JANUARY 2022

EAST BAY PLAIN SUBBASIN GROUNDWATER SUSTAINABILITY PLAN

APPENDIX 2

PREPARED FOR

East Bay Municipal Utility District GSA and
City of Hayward GSA

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APPENDIX 2. PLAN AREA AND BASIN SETTING

2.A. Technical Memoranda and Data

2.A.a. Subtask 4.1 TM Data Compilation and Data Gaps Analysis and Subtask 4.3 TM Model Objectives and Selection

LSCE TEAM

Letter of Transmittal

June 22, 2020

Mr. Ken Minn, Project Manager
East Bay Municipal Utility District
375 Eleventh Street, First Floor
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Mr. Alex Ameri, Director of Public Works
City of Hayward
777 B Street
Hayward, CA 94541

Subject: **LSCE Team Final TMs for Subtask 4.1, Subtask 4.3, and Responses to TAC Comments for East Bay Plain Subbasin Groundwater Sustainability Plan**

Dear Mr. Minn and Mr. Ameri:

Luhdorff & Scalmanini Consulting Engineers (LSCE), Geosyntec (GS), Brown and Caldwell (BC), Environmental Science Associates (ESA), Dr. Jean Moran, and Farallon Geographics (FG), collectively referred to as the LSCE Team, are pleased to submit these Final Technical Memorandums (TMs) documenting work conducted for Subtasks 4.1 and 4.3 in our scope of work for the East Bay Plain Subbasin Groundwater Sustainability Plan (GSP). These TMs document work completed to compile data and conduct a data gaps analysis (4.1) and the basis for model selection (4.3) relative to preparation of the East Bay Plain Subbasin GSP. Draft TMs dated March 2020 were submitted to the Technical Advisory Committee (TAC) for review and comments; these Final TMs were prepared following the TAC review period and a meeting with the TAC held in early May to discuss the TMs. This transmittal also includes responses to written and verbal TAC comments received during the Draft TM review period and TAC meeting.

We appreciate the opportunity to submit these documents and look forward to our continued work efforts on the East Bay Plain Subbasin GSP.

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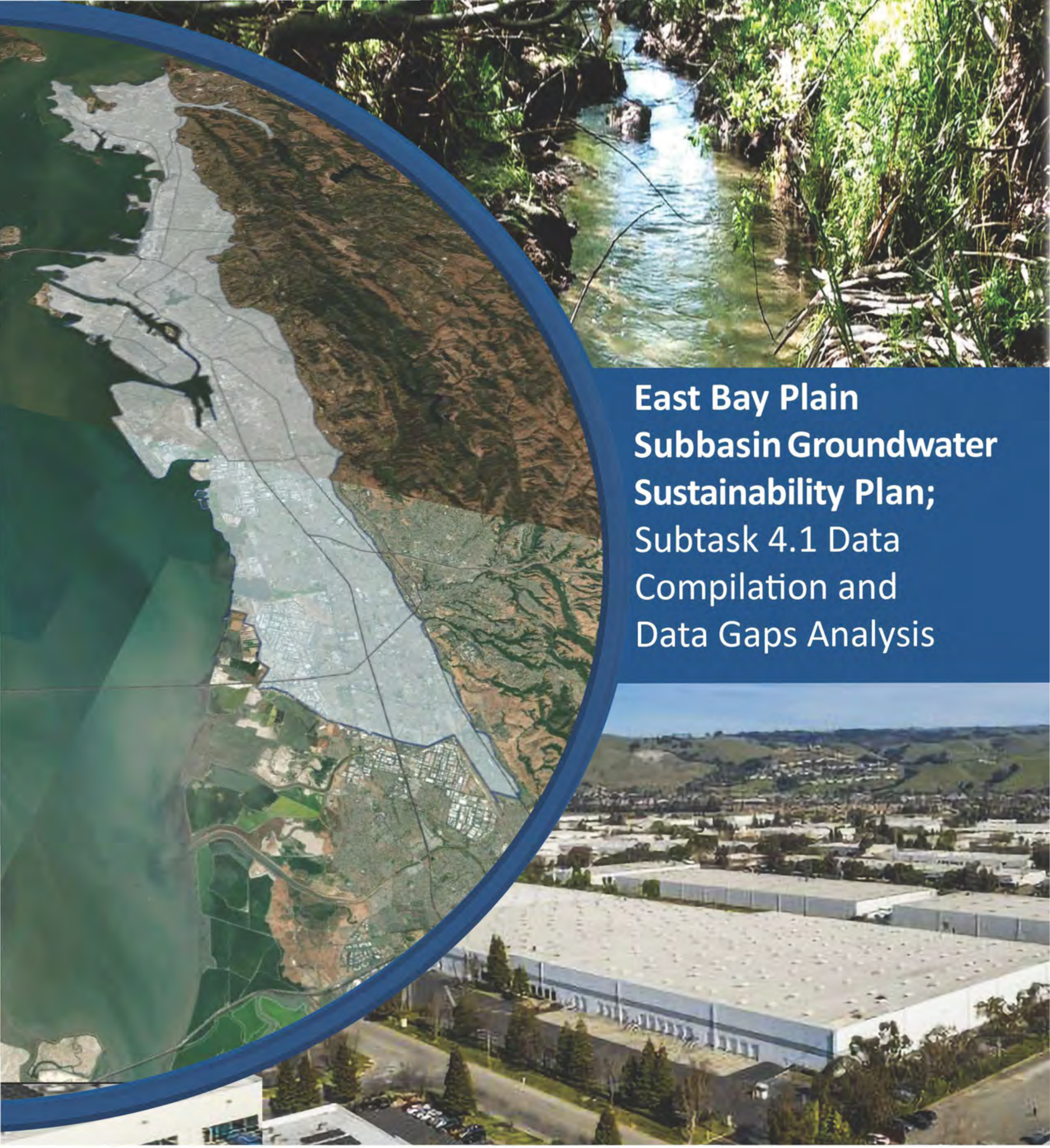

East Bay Plain Subbasin Groundwater Sustainability Plan; Subtask 4.1 Data Compilation and Data Gaps Analysis

Prepared by

LSCE TEAM

June, 2020

EBMUD

HAYWARD

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LIST OF ABBREVIATIONS AND ACRONYMS

ACWD	Alameda County Water District
ACPWA	Alameda County Public Works Agency
As	Arsenic
ASR	Aquifer Storage and Recovery
B	Benzene
bgs	Below ground surface
CalSim II	California Water Resources Simulation Model II
CASGEM	California Statewide Groundwater Elevation Monitoring Program
CDEC	California Data Exchange Center
CDFW	California Department of Fish & Wildlife
Cl	Chloride
CIMIS	California Irrigation Management Information System
CoCoRaHS	Community Collaborative Rain, Hail and Snow Network
CrVI	Hexavalent Chromium
DDW	California Division of Drinking Water
DWR	California Department of Water Resources
E	Ethylbenzene
EBMUD	East Bay Municipal Utility District
EBP	East Bay Plain
EDF	Environmental Defense Fund
EPA	U.S. Environmental Protection Agency
ET	Evapotranspiration
ft	feet or foot
GAMA	Groundwater Ambient Monitoring and Assessment
GDEs	Groundwater Dependent Ecosystem
GIS	Geographic Information Systems
GSP	Groundwater Sustainability Plan
HARD	Hayward Area Recreation District
Hayward	City of Hayward
HCM	Hydrogeologic Conceptual Model
HCFC	Hydochlorofluorocarbons
HFCs	Hydrofluocarbons
iGDE	Groundwater Dependent Ecosystem Indicators
K	Hydraulic Conductivity
LSCE	Luhdorff & Scalmanini Consulting Engineers
LSCE Team	Luhdorff & Scalmanini Consulting Engineers and Team of Subconsultants
Mn	Manganese
MTBE	Methyl tert-butyl ether
NCCAG	Natural Communities Commonly Associated with groundwater

NLCD	National Land Cover Dataset
NO3-N	Nitrate
NRCS	Natural Resources Conservation Service
NWI	National Wetland Inventory
PBO	Plate Boundary Observatory
PCE	Perchlorethene
RAWS	Remote Automated Weather Stations
S	Storage Coefficient
SFPUC	San Francisco Public Utilities Commission
SGMA	Sustainable Groundwater Management Act
SSURGO	Soils Survey Geographic Database
Sy	Specific Yield
T	Transmissivity
TCE	Trichlorethene
TDS	Total Dissolved Solids
TM	Technical Memorandum
TPH	Total Petroleum Hydrocarbons
TRS	Township Range Sections
USDA	United States Department of Agriculture
USGS	US Geological Survey
VOC	Volatile Organic Compound
WCRs	Well Completion Reports
X	Xylenes

1 INTRODUCTION AND BACKGROUND

Luhdorff & Scalmanini Consulting Engineers (LSCE) and a team of subconsultants (the LSCE Team) are working with the East Bay Municipal Utility District (EBMUD) and the City of Hayward (Hayward) to develop a groundwater sustainability plan (GSP) for the East Bay Plain (EBP) Subbasin, in compliance with the requirements of the California Sustainable Groundwater Management Act (SGMA) and the Groundwater Sustainability Plan regulations. The LSCE Team has conducted a preliminary compilation and review of the hydrogeological data, and we have evaluated and compiled data to conduct a data gaps analysis. This technical memorandum (TM) documents the compilation of available hydrogeologic data, evaluation of the spatial and temporal distribution of each data component, and assessment of the primary data gaps in accordance with Subtask 4.1 of Exhibit A-1 of the consulting and professional services Agreement dated January 25, 2019.

There are many different types of hydrogeologic data needed to support development of a basin-wide groundwater model and to prepare a GSP. This TM is prepared in compliance with the requirements of SGMA and presents compiled data for the hydrogeologic conceptual model (i.e., geologic conditions) in Section 2, groundwater conditions in Section 3, and the water budget in Section 4. The analysis of data gaps for the various data components is presented in Section 5 of the is TM.

The EBP Subbasin is located along the east side of San Francisco Bay in Alameda and Contra Costa Counties (**Figure 1-1**). It is bordered by San Francisco Bay on the west and north, the East Bay Hills (Diablo Range) on the east, and the Niles Cone Subbasin on the south. Prior to 1950, there were significant areas of agricultural development in the southern portion of the groundwater basin. However, the entire region has since become heavily urbanized with a combination of industrial, commercial, and residential development. Prior to 1930, groundwater was a primary source of water supply (along with development of local surface water resources). Subsequently, EBMUD has imported surface water supplies from the Sierras. Similarly, beginning in 1950, San Francisco Public Utilities Commission (SFPUC) imported surface water supplies from the Hetch Hetchy reservoir that provided water supply for the City of Hayward. After 1963, these surface water supplies constituted essentially the entire water supply for Hayward. Groundwater continued to be a major source of water supply for industrial and residential (irrigation) uses after 1930 until at least the 1970s. Groundwater use in the EBP Subbasin has been modest from the 1980s until today.

Historical groundwater usage correlates to fluctuations in groundwater levels with historical lows (and maximum pumping) generally occurring in the 1960s. Because of increased surface water use (and declining groundwater use) since the early 1960s, groundwater levels recovered from historical lows through the 1990s. Groundwater levels have been stable since about 2000, which has also been a time period of stable and very modest amounts of groundwater pumping (i.e., on the order of 3,000 AFY).

2 DATA COMPILATION

A variety of different resources were utilized during the data compilation process. Data were gathered for the analysis of geologic, groundwater, and environmental conditions and for water budget components. These data sources are described in more detail below. Use of the term hydrogeologic conceptual model traditionally has included geologic and hydrogeologic characterization, groundwater conditions, and the water balance. However, GSP Regulations essentially define the term hydrogeologic conceptual model to refer solely to geologic hydrogeologic characterization, with groundwater conditions and the water balance as separate and distinct items from the hydrogeologic conceptual model. The outline of this Data Compilation section follows the GSP Regulation guidelines.

2.1 Hydrogeologic Conceptual Model (Geologic and Hydrogeologic Characterization)

2.1.1 Well Completion Reports

The California Department of Water Resources (DWR) maintains a database of Well Completion Reports (WCRs). Known issues include missing and duplicate records, missing values, incorrect values, and limited spatial resolution. Some issues can be resolved based on review of the original WCR, however original WCRs are also susceptible to missing values and limited data. A data request was sent to DWR to obtain unredacted versions of all WCRs for the EBP Subbasin. For purposes of that request, an additional area beyond the boundary of the Subbasin was included that was two miles in the north, east, and west directions and to Highway 84/Decoto Road in the South **(Figure 2-1)**. The WCR request resulted in the retrieval of 22,433 records, which were summarized in a spreadsheet provided by DWR. This summary included information such as well location, year drilled, depth, Township/Range/Section (TRS), and well type for many of the WCRs. However, this information was not present for all the wells listed and was manually entered for wells of interest during the data compilation and analysis.

2.1.2 Geophysical Logs

Geophysical logs, also known as electric logs, contain resistivity records that can be utilized to differentiate between subsurface formations. Resistance increases as grain size increases and can therefore be used to delineate productive formations (consisting of sands and gravels) from clays and silts that display low resistivity. These logs supplement the lithologic and other information provided by WCRs and can be used in conjunction with WCRs to develop cross sections and subsurface models. Consequently, the WCRs were also used to identify wells with geophysical logs.

Geophysical logs for eleven wells were available as attachments to the WCRs. A request for 30 additional wells with missing attachments was also sent to DWR (a response was received and additional data are being incorporated into Subtask 4.2 TM). Geophysical logs were also obtained from consultant reports provided by EBMUD, LSCE files for City of Hayward projects, and from other previous reports for the EBP and Niles Cone Subbasins (e.g., SCI/Todd, 1999; United States Geological Survey (USGS), 2015; Alameda County Water District (ACWD), 2006).

2.1.3 Previous Geologic Cross Sections

Over the years, a number of hydrogeological investigations and studies were completed in the EBP subbasin area for different objectives. These investigations and studies included several geologic cross sections of portions of the EBP Subbasin. Several previous studies with geologic cross sections that emphasized the intermediate to deeper aquifer zones (summarized in **Table 2-1**) include: Maslonkowski (1984), Rogers/Figuers (1991), Muir (1993), Figuers (1998), SCI/Todd (1999), Fugro (1998), CH2M Hill (2000, 2001), Fugro/Cal Trans (2001), LSCE (2003), ACWD (2006), USGS (2006), and DWR (1960, 1963).

Table 2-1: Sources of Existing Geologic Cross Sections

Source	Area Covered
DWR (1960)	Niles Cone/San Lorenzo Cone
DWR (1963)	Niles Cone/San Lorenzo Cone
DWR (1967)	Niles Cone/San Lorenzo Cone
Maslonkowski (1984)	Southern East Bay Plain
Rogers/Figuers (1991)	Port of Oakland/Bay Bridge Area
Muir (1993)	East Bay Plain (Berkeley to Hayward)
Figuers (1998)	East Bay Plain
SCI/Todd (1999)	Port of Oakland/Bay Bridge Area
Fugro (1998)	Oakland Area
CH2M Hill (2000)	Southern East Bay Plain
CH2M Hill (2001)	Northern East Bay Plain
Fugro/Cal Trans (2001)	Port of Oakland/Bay Bridge Area
LSCE (2003)	Southern East Bay Plain
ACWD (2006)	Transition Zone Area
USGS (2006)	Southern East Bay Plain

2.1.4 Surface Geologic Maps

Surface geology maps of the EBP Subbasin were obtained from two standard/primary USGS sources: USGS 1:250,000 quadrangle geologic maps and surficial geologic mapping by Jennings, et. al., 1977.

2.1.5 Aquifer Properties

Aquifer properties include transmissivity (T), hydraulic conductivity (K), specific yield (S_y), and storage coefficient (S). Transmissivity and hydraulic conductivity help to characterize the permeability and rate of flow through sediments, whereas specific yield (for unconfined aquifers) and storage coefficient (for confined aquifers) are used to characterize the volume of water removed/added from/to the aquifer for a given decline/rise in hydraulic head (i.e., groundwater levels.) Aquifer properties are used in groundwater models (and other analytical calculations) to quantify movement of groundwater in aquifer systems, changes or fluctuations in groundwater levels, the amount of groundwater in storage, and changes in storage over time.

Aquifer property data can be derived from specific capacity tests from WCRs and other sources (e.g., well pump efficiency tests), regional aquifer tests (i.e., pumping tests) conducted by LSCE (2003) and Fugro (2011), individual well aquifer tests on various EBMUD wells (e.g., Davis Street wells, Farmhouse wells) and Hayward wells (e.g., Well B, Well C), and aquifer tests from various previous studies (e.g., SCI/Todd, 1999) within the EBP subbasin. Slug tests and core sample permeability tests were also conducted by Fugro (1999) and USGS (2015) on selected EBMUD wells.

In general, aquifer tests that include observation well(s) provide the most useful and accurate data for quantifying aquifer parameters, because they sample a sufficiently representative volume of the aquifer and allow for calculation of storage parameters in addition to transmissivity and hydraulic conductivity. Data from slug tests may be useful as supplementary data for transmissivity and hydraulic conductivity, but these tests require significant review and QA/QC to ensure that they are representative of the aquifer material. Lab permeability tests (USGS, 2015) are generally most useful in obtaining vertical hydraulic conductivity values for fine-grained layers.

2.2 Groundwater Conditions

2.2.1 Groundwater Level

Groundwater level data were gathered from Alameda County Public Works Agency (ACPWA), ACWD, DWR, EBMUD, Port of Oakland, USGS, and LSCE files for City of Hayward. Data were provided as periodic water level measurements and/or continuous transducer measurements. These data also included historical data from previously conducted studies in the EBP Subbasin. Groundwater level data were reported as either depth to water or groundwater elevations (and in some cases, both). Based on the reported ground surface elevation or reference point elevation data, water surface elevations were calculated as necessary for depth to water measurements for inclusion in a water surface elevation database. It should be noted that different vertical survey datums may have been used to obtain elevation data, thus some uncertainty is present in the water surface elevation database. In addition, subsidence data were also collected from the USGS database, and the UNAVCO Plate Boundary Observatory (PBO) and USGS databases.

2.2.2 Groundwater Quality

Water quality data were primarily obtained from the online GAMA database, which includes data from the Division of Drinking Water (DDW), DWR, Environmental Defense Fund (EDF), and the USGS. Additional data were retrieved from the USGS National Water Information System (NWIS) database directly, Bayside-(LIMIS), an Alameda County Public Works Agency (ACPWA) report (Hickenbottom and Muir, 1988), the Port of Oakland study (SCI and Todd Engineers, 1999), and LSCE files for the City of Hayward.

Groundwater level and quality data collected as part of this effort are summarized in **Table 2-2**, along with the period of record and a brief description of the dataset.

2.2.3 Isotopic Data

Isotope data were collected from various sources and are summarized in Section 3.

2.2.4 Groundwater Contamination

A review of environmental sites was conducted to evaluate groundwater contamination in the EBP Subbasin related to key organic constituents, and is further summarized in Section 3.2.3.

2.3 Water Budget

To develop a water budget, precipitation, evapotranspiration, land use, soils, and streamflow data were collected. These collected data and sources are summarized in **Table 2-3**. Land use data were gathered from DWR, National Land Cover Dataset (NLCD), and United States Department of Agriculture (USDA) Cropscape. Precipitation data were collected from numerous sources such as California Data Exchange Center (CDEC), California Irrigation Management Information System (CIMIS), Community Collaborative Rain, Hail and Snow Network (CoCoRaHS), Global Historical Climatology Network (GHCN)-Daily, and Remote Automated Weather Stations (RAWS). CIMIS was also used to retrieve evapotranspiration data (ET) and related weather station data. The Natural Resources Conservation Service (NRCS) Soil Survey Geographic Database (SSURGO) was utilized to retrieve mapped soil characteristics. Streamflow data were retrieved from CDEC and the USGS.

3 BASIN SETTING

The Basin Setting as defined in GSP Regulations includes the hydrogeologic conceptual model, groundwater conditions, the water balance, and management areas. As described previously, GSP Regulations use a narrow definition of the term "hydrogeologic conceptual model" to only include geologic and hydrogeologic characterization, with groundwater conditions and the water balance described separately. Management areas will be addressed in later subtasks. Within the overall framework of a GSP, the Basin Setting is critical since it provides the basic foundation for evaluation of basin conditions, development of a groundwater model, evaluation of sustainability indicators and corresponding criteria, and assessment of sustainable yield.

The EBP Subbasin is bounded by San Francisco Bay to the west and north, and Niles Cone Subbasin borders the EBP Subbasin to the south. The East Bay Hills border the EBP Subbasin to the east. The EBP Subbasin covers approximately 111 square miles and is fed by a 174-square mile watershed (**Figure 3-1)**. The contributing watershed includes three main streams (San Pablo Creek, San Leandro Creek, and San Lorenzo Creek), two main reservoirs (San Pablo Reservoir on San Pablo Creek and Upper San Leandro Reservoir on San Leandro Creek), and several smaller streams. The watershed surrounding the groundwater basin is an integral part of the assessment of the water balance because it is a source of potential recharge to the groundwater basin via streamflow infiltration and bedrock inflow.

3.1 Hydrogeologic Conceptual Model (Geologic and Hydrogeologic Characterization)

Data compilation related to geologic conditions included DWR WCRs, geophysical logs, surface geologic maps, geologic cross sections, and aquifer properties.

3.1.1 Analysis of Well Completion Reports

The WCRs have been synthesized to assess various information about the EBP Subbasin. The 22,433 WCRs were individually analyzed initially to identify those with depths of greater than 200 feet (ft). WCRs deeper than 200 ft generally comprise wells used for water supply purposes. Filtering the large WCR database using 200 ft as a cut-off also allows development of a manageable database that retains the most important WCRs, while also providing lithologic information for the upper 200 ft of the subsurface system. Those records were examined in more detail to examine the type (e.g., borehole, new well, well destruction) and quality of the records (e.g., detail and quality of lithologic descriptions). Wells with depths greater than 200 ft bgs were mapped as accurately as possible using Google Earth, and maps and coordinates included in the WCRs. Locations of wells deeper than 200 ft in the EBP Subbasin (and adjacent areas in the East Bay Hills and northern portion of Niles Cone Subbasin) were reviewed to evaluate data gaps using the 200 ft cutoff criterion. Areas with data gaps, primarily in the northern portion of the EBP Subbasin, were further reviewed and supplemented with additional WCRs for wells between 100 and 200 ft deep, which helps address areas of the EBP Subbasin that may be less than 200 ft bgs and/or generally lack wells deeper than 200 ft bgs for other reasons (e.g., was never developed for water supply purposes). The final tally of WCRs retained for further evaluation was 848 records. In addition to well depths, information on pumping tests (including pumping rates and drawdown recorded on the WCRs) and geophysical logs were compiled into tables.

The remaining 848 WCRs were organized according to relative completeness and quality to create a list of wells for purposes of updating previous cross sections, creating new cross sections, and as input for the development of the 3D geologic model. During this process, logs for abandoned wells and those lacking sufficient lithologic details were eliminated from further consideration. Eliminating wells that were abandoned and lacking sufficient information resulted in 642 logs that were mapped and digitized (**Figure 3-2**). Some logs could only be located by township/range/section and, therefore, were mapped at the centroid of the section; consequently, some well symbols on **Figure 3-2** and related maps (e.g., **Appendix A**) represent multiple wells.

These filtered logs were further analyzed by depths to visualize the distribution of wells with different depths across the EBP Subbasin (and adjacent areas). The three different depth categories used in this analysis were 100 ft below ground surface (bgs) or greater, 200 ft bgs or greater, and 400 ft bgs or greater. The total number of WCRs available for each classification is summarized in **Table 3-1**. **Figure 3-3** depicts wells classified as 400 ft or deeper; most of these wells exist in the City of San Leandro and City of Hayward, in southern portion of the EBP Subbasin. Wells classified as 200 ft or deeper provides better coverage across the EBP Subbasin. The majority of the wells 200 ft and deeper are distributed across the southern portion of the EBP Subbasin with some coverage in the Richmond and San Pablo region (**Figure 3-4**).

Table 3-1: WCR Summary By Depth

Number of WCRs	
100 ft or greater	642
200 ft or greater	557
400 ft or greater	232

Within these three categories, maps were created to better illustrate the locations of wells with WCRs. Each WCR was reviewed for driller maps, latitude/longitude, and/or further information pertaining to the township, range, and section to locate the WCRs more accurately. **Appendix A** provides zoomed in maps depicting locations for wells deeper than 100 ft, 200 ft, and 400 ft.

3.1.2 Geophysical Logs, Surface Geologic Maps, Cross Sections

A map with locations of the 50 geophysical well logs compiled to date is provided in **Figure 3-5**. As noted in Section 2, this map will be updated with additional geophysical logs that may be obtained from a pending data request with DWR and during work being conducted on Subtask 4.2. Review of **Figure 3-5** indicates that several geophysical logs are available in the southern portion of the EBP Subbasin south of San Leandro Creek and in the west central portion of the EBP Subbasin in Oakland and Alameda. There are no geophysical logs available in the northern portion of the EBP Subbasin north of Oakland.

The surface geologic map from Jennings, et.al. (**Figure 3-6a & 3-6b**) indicates the EBP Subbasin consists of Quaternary alluvium and marine deposits. The second geologic map (**Appendix B**) from USGS 1:250,000 quadrangle geologic maps shows more detailed geologic units within the EBP Subbasin. Map units in the EBP Subbasin include alluvium, artificial fill, intertidal deposits, older alluvium, and dune sand. Older alluvium is most prominent in the central portion of the EBP Subbasin in the Oakland and Berkeley areas, whereas (younger) alluvium is the predominant surface geologic unit in the more northern and southern areas of the EBP Subbasin. Dune sand deposits are present on Alameda Island and adjacent areas of Oakland, and intertidal deposits and artificial fill are prominent in areas adjacent to the bay from Oakland to Hayward.

Locations of previous geologic cross sections from three key reports (CH2M Hill, 2000; CH2M Hill, 2001; LSCE, 2003) are shown in **Figure 3-7**. These reports generally represent the most recent work pertaining to development of geologic cross sections. Several other older reports also provide geologic cross sections for portions of the EBP Subbasin. While these previous geologic cross sections/studies tend to focus on the central to southern portions of the EBP Subbasin, some geologic information is available for the northern portion of the EBP Subbasin in CH2M Hill (2001). Many of these studies also provide information and discussion on the depositional environments, stratigraphy, and geologic structure of the EBP Subbasin. The geologic cross sections and other geologic information provided in these reports will be incorporated in the HCM presented in the future technical memorandum planned as part of Subtask 4.2.

No significant updates on geologic cross sections have been conducted over the past 20 years or so. Given that the scope of work for this project includes obtaining well completion reports from DWR, additional geologic cross sections will be developed using available data – especially for the northern portion of the EBP Subbasin. In addition, data collected for this study will be reviewed for potential additional recent WCRs and/or geophysical logs to supplement previous cross section development in the southern portion of the EBP Subbasin.

3.1.3 Aquifer Properties

Locations of wells with specific capacity data are shown on **Figure 3-8**. Wells with specific capacity data are divided into North EBP, South EBP, North East Bay Hills, South East Bay Hills, and Niles Cone. In general, specific capacity data availability is good in the southern portion of the EBP Subbasin, and limited to poor in the central and northern portions of the EBP Subbasin.

Aquifer testing data include estimates of aquifer parameters from individual pumped wells, from pumping wells paired with single observation wells (e.g., EBMUD Davis Street and Farmhouse sites, Hayward Well B), and three regional pumping tests (Hayward Well C, Hayward Well E, and EBMUD Bayside ASR Well). Locations of wells with aquifer tests are displayed in **Figure 3-9**. These aquifer test data are being reviewed in detail and will be further evaluated relative to the HCM to be presented in the subtask 4.2 TM. In general, aquifer test data availability is good in the southern portion of the EBP Subbasin; data availability is limited to poor in the central and northern portions of the EBP Subbasin.

3.2 Groundwater Conditions

Groundwater conditions include groundwater levels, groundwater quality, subsidence, surface water-groundwater interaction, and groundwater dependent ecosystems (GDEs). The initial review of available data for each item is described in this section. Wells are generally divided into shallow (0 to 200 ft below ground surface (bgs)), intermediate (200 to 450 ft bgs), and deep (450 ft bgs and deeper) zones. Shallow wells screened only within the upper 50 ft are considered to represent the water table and are categorized separately from shallow wells deeper than 50 ft.

3.2.1 Groundwater Levels

Shallow water level data for wells screened in the upper 50 ft are important for evaluating shallow water table conditions and for assessment of surface water-groundwater interaction and GDEs (e.g., wetland with hydraulic connection to a groundwater source). The primary source of shallow water level data was Geotracker because Geotracker contains data from wells less than 50 ft bgs at environmental sites that generally do not represent the primary aquifers for water supply development in the EBP Subbasin (**Figure 3-10**). Groundwater level data for wells shallower than 50 ft is generally limited to after the late 1990s. Geotracker also includes data from some environmental site wells ranging in depth from 50 to 150 ft, which likely are representative of the shallow aquifer used for water supply in some areas. The maps discussed below incorporate water level data for wells deeper than 50 ft to evaluate overall availability of data to describe primary aquifers in the EBP Subbasin used for water supply development.

Water level data for the primary aquifers in the EBP Subbasin were gathered from California Statewide Groundwater Elevation Monitoring Program (CASGEM) and USGS databases, as well as from local sources (ACPWA, ACWD, EBMUD, City of Hayward, and Port of Oakland study) (**Figure 3-11**). Water level data are available in the basin from 1949 through 2019. The longest period of record for a single well is 52 years. The oldest measurements are available in the southern portion of the EBP Subbasin, while little to no water level monitoring has occurred in primary aquifer zones in the northern portion of the EBP Subbasin. Many wells have short periods of record (less than 5 years), and long-term monitoring (20 years or more) has been limited to the southern portion of the EBP Subbasin (**Figure 3-12**).

From 1949 through the 1960s, monitoring in EBP was limited to the southern portion of the EBP Subbasin (**Figures 3-13 through 3-15**). In the 1970s (**Figure 3-16**), monitoring continued in the southern portion of the EBP Subbasin and began in the vicinity of Alameda and Berkeley. In the 1980s, monitoring occurred primarily in the southern portion of EBP and in Alameda, with limited monitoring in Oakland and Berkeley (**Figure 3-17**). In the 1990s and 2000s, monitoring occurred across the southern and central portions of the EBP Subbasin (**Figure 3-18 and Figure 3-19**). In the 2010s, monitoring was limited to the southern portion of the EBP Subbasin, with a few wells in the northern portion of the EBP Subbasin (**Figure 3-20**).

A compilation of water level data available in the EBP Subbasin is presented in **Appendix C**.

3.2.2 Groundwater Quality – Primary Drinking Water Constituents

Similar to groundwater levels, shallow wells screened only within the upper 50 ft are categorized separately from shallow wells deeper than 50 ft with respect to groundwater quality assessment (**Figure 3-21**). Water quality data for the primary aquifer zones (deeper than 50 ft.) in the EBP Subbasin were gathered from DDW, DWR, Geotracker, and USGS through the GAMA database, as well as from local sources (ACPWA, City of Hayward, EBMUD) (**Figure 3-22**). Water quality data are available in the basin from 1955 through 2019. The longest period of record for groundwater quality data for a single well is 48 years. The majority of water quality monitoring has occurred in the shallow aquifer zone (**Figure 3-23**).

Monitoring has occurred for a wide range of constituents, but a subset of the constituents, presented in **Table 3-2**, are of primary interest (e.g., relative to drinking water standards and seawater intrusion) in developing the EBP Subbasin HCM.

Table 3-2: Summary of Primary Groundwater Quality Constituents

Groundwater Quality Constituents	
Alkalinity	Magnesium
Arsenic*	Manganese*
Calcium	Nitrate*
Chloride*	pH
Chromium (VI)	Potassium
Conductivity	Sodium
Hardness	Sulfate
Iron	Total Dissolved Solids*

*Constituents highlighted in detail in this TM.

Total dissolved solids (TDS) has been monitored in the EBP Subbasin since 1955, with the earliest measurements occurring in the southern portion of the EBP Subbasin (**Figure 3-24**). Recent monitoring has been primarily focused in the northern portion of the EBP Subbasin, although this is likely due to the presence of environmental site monitoring wells from 50 to 100 ft bgs (**Figure 3-25**). A majority of wells have only 10 TDS measurements or fewer (**Figure 3-26**). Many wells have short periods of record (less than 5 years); long-term monitoring has been limited to the southern portion and northern edges of the EBP Subbasin (**Figure 3-27**).

Chloride (Cl) has been monitored in the EBP Subbasin since 1955, with the earliest measurements occurring in the central and southern portions of the EBP Subbasin (**Figure 3-28**). Recent measurements have occurred across the entire EBP Subbasin (**Figure 3-29**). A majority of wells have only 10 chloride measurements or fewer (**Figure 3-30**). Many wells have short periods of record (less than 5 years), while long-term monitoring has been limited to the southern portion of the EBP Subbasin (**Figure 3-31**).

Nitrate (NO_3-N) has been monitored in the EBP Subbasin since 1972, with the earliest measurements occurring in the southern portion of the EBP Subbasin (**Figure 3-32**). Recent measurements have occurred across the entire EBP Subbasin (**Figure 3-33**). A majority of wells have only 10 nitrate measurements or fewer (**Figure 3-34**), and short periods of record of less than 10 years (**Figure 3-35**).

Arsenic (As) has been monitored in the EBP Subbasin since 1975, with the earliest measurements occurring in the southern portion of the EBP Subbasin (**Figure 3-36**). Recent measurements have occurred primarily in the northern and central portions of the EBP Subbasin (**Figure 3-37**). A majority of wells have 10 arsenic measurements or fewer (**Figure 3-38**), and short periods of record of less than 5 years (**Figure 3-39**).

Manganese (Mn) has been monitored in the EBP Subbasin since 1975, with the earliest measurements occurring in the southern portion of the EBPSubbasin (**Figure 3-40**). Recent measurements have occurred primarily in the northern and central portions of the EBP Subbasin (**Figure 3-41**). A majority of wells have only 10 manganese measurements or fewer (**Figure 3-42**), and short periods of record of less than 5 years (**Figure 3-43**).

A compilation of groundwater quality data available in EBP Subbasin is presented in **Appendix C**.

3.2.3 Groundwater Quality - Environmental Sites

A long history of commercial and industrial activities in the EBP Subbasin has resulted in the release of pollutants into the soil and groundwater system. To characterize the extent of contamination, a review of publicly available data from State of California databases was conducted. DWR's GeoTracker database is the State Water Boards' data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater. GeoTracker was used to query groundwater contamination data within the EBP Subbasin. The query parameters included contamination data within the past year for the following parameters:

- Perchloroethene (PCE)
- Trichloroethene (TCE)
- Total petroleum hydrocarbons (TPH)
- Benzene (B)
- Toluene (T)
- Ethylbenzene (E)
- Xylenes (X)
- Methyl tert-butyl ether (MTBE)
- Hexavalent Chromium (CrVI)

The contaminants and dates selected for the query were based on the need to understand current conditions for the most common and potentially impactful contaminants. Generally, the vast majority (by number of sites) of the groundwater contamination sites present in the EBP Subbasin are a result of the release of fuel-related contaminants (gasoline, benzene, toluene, ethylbenzene, xylenes, and methyl tert-butyl ether) from leaking underground storage tanks. These fuel-related contaminants are typically found in the shallow groundwater system as their density is lighter than that of water and they tend to "float" on the water table. As such, they pose less of a concern to groundwater resources than chlorinated solvents (e.g., TCE, PCE), which tend to sink as their density is heavier than water.

Results of this data query show that TCE and PCE are present at multiple locations within the EBP Subbasin. According to the US. Environmental Protection Agency (USEPA), TCE is used as a solvent, as an intermediate for refrigerant manufacture, and as a spotting agent in dry cleaning facilities. The majority (about 84 percent) of TCE is used in a closed system as an intermediate chemical for manufacturing refrigerant chemicals. Much of the remainder (about 15 percent) is used as a solvent for metals degreasing; this leaves a small percentage of TCE that accounts for other uses, including use as a spotting agent in dry cleaning and in consumer products. Perchloroethylene (also known as Perchlorethene; 1,1,2,2-tetrachloroethene; tetrachloroethylene; and PCE) is a volatile organic compound (VOC) that is used as a solvent in a wide range of industrial, commercial, and consumer applications. The primary use for PCE is to produce fluorinated compounds, such as hydrofluorocarbons (HFCs) and hydrochlorofluorocarbons (HCFCs), as a solvent in dry cleaning, and vapor degreasing solvents. Other uses include a variety of commercial and/or consumer products such as automotive care products, cleaning and furniture care products, lubricants and greases, adhesives and sealants, paints and coatings. The locations and concentrations of contaminants at environmental sites will be mapped and described in more detail in the Hydrogeologic Conceptual Model (HCM) technical memorandum (Subtask 4.2).

3.2.4 Groundwater Quality - Isotopes

Isotope data can be used to understand the origin of groundwater, groundwater age, flow velocity, and interrelations between surface water and groundwater. Isotope measurements have been recorded in the EBP watershed by DDW, USGS, and the City of Hayward (**Figure 3-44**).

The USGS has recently published a report using isotope data titled “Hydrogeologic Controls and Geochemical Indicators of Groundwater Movement in the Niles Cone and Southern East Bay Plain Groundwater Subbasins, Alameda County, California” by Teague et al., 2018. Isotope data are available from 1997 through 2017, with the longest period of record for a single well of 13 years. Isotope measurements have occurred primarily in the southern portion of EBP and have been distributed across the shallow, intermediate, and deep aquifer zones (**Figure 3-45**). Monitoring has occurred for a range of isotopes, but the primary isotopes of interest relative to the EBP HCM include deuterium (^{2}H)/hydrogen (^{1}H) ratio, , tritium (^{3}H), carbon-13 (^{13}C)/Carbon-12 (^{12}C) ratio, carbon-14 (^{14}C), and Oxygen-18 (^{18}O)/Oxygen-16 (^{16}O) ratio.

Stable isotopes of the water molecule ($^{2}H/^{1}H$) and $^{18}O/^{16}O$ ratios) have been measured in the EBP Watershed since 1997, with most measurements occurring in the southern portion of the EBP Subbasin (**Figure 3-46 and Figure 3-50**). Recent monitoring has been primarily focused along the basin boundary in the south, and in the hills east of the EBP Subbasin. A majority of wells only have one or two H2/H1 ratio measurements. Tritium (^{3}H) has been measured in the EBP Watershed since 1997, with most measurements occurring in the southern portion of the EBP Subbasin (**Figure 3-47**). A majority of wells only have one or two ^{3}H measurements.

$^{13}C/^{12}C$ ratio has been measured in the EBP Subbasin watershed between 1997 and 2007, with most measurements occurring in the southern portion of the EBP Subbasin (**Figure 3-48**). A majority of wells only have one $^{13}C/^{12}C$ ratio measurement. ^{14}C has been measured in the EBP Subbasin since 1997, with measurements occurring in the central-southern portion of the EBP Subbasin (**Figure 3-49**). A majority of wells only have one or two ^{14}C measurements.

A summary of isotope data available in EBP Subbasin is presented in **Appendix C**.

3.2.5 Subsidence

Subsidence data in the EBP Subbasin watershed were gathered from the USGS and UNAVCO PBO (**Figure 3-51.** Subsidence monitoring by the USGS is conducted by paired extensometer and water level monitoring in the southern portion of the EBP Subbasin near the EBMUD Bayside ASR well (San Lorenzo Area). Two extensometers exist at the site, one shallow and one deep. Extensometer data are available from 2008 through 2019, with over 90,000 measurements. Paired water level data are available from a nested monitoring well on site completed at five depths, with data from 2006 through 2019 and over 85 measurements for each nested well completion.

Subsidence monitoring by PBO is conducted by GPS at two sites in the EBP Subbasin watershed: one is located in the northern portion of the EBP Subbasin near Richmond and one is in the southern portion of the EBP Subbasin near Hayward. Data are available from 1996 through 2019, with over 7,000 measurements.

A summary of subsidence data available in EBP is presented in **Table 3-3**.

3.2.6 Surface Water-Groundwater Interactions and Groundwater Dependent Ecosystems

The characterization of surface water-groundwater interactions depends on availability of streamflow data, shallow groundwater level data, and stratigraphic relationships. Available data have been compiled relative to these three key data components as described in previous sections of this TM. Under the Hydrogeologic Conceptual Model (HCM) (Subtask 4.2), data analysis will be conducted to evaluate surface water-groundwater interactions, which will be used for assessment of the groundwater dependent ecosystems (GDEs).

Available sources for GDEs in the EBP Subbasin were reviewed, and data were compiled on potential GDEs. Both vegetation and wetland layers of the Natural Communities Commonly Associated with Groundwater (NCCAG) dataset (DWR 2019) were used as the baseline mapping for the locations of potential GDEs. The NCCAG dataset is the same dataset as the statewide GDE indicators (iGDE) database referred to in the *Groundwater Dependent Ecosystems under the Sustainable Groundwater Management Act* guidance document (TNC, 2018). The publicly available data compiled into the NCCAG dataset include several large-scale vegetation and wetland mapping efforts that conform to established State or federal mapping standards, and one large-scale seeps and springs mapping effort is a component of the National Map. The data sources used to compile the NCCAG dataset include the following:

1. VEGCAMP – The Vegetation Classification and Mapping Program, California Department of Fish and Wildlife (CDFW)
2. CALVEG – Classification and Assessment with LANDSAT of Visible Ecological Groupings, USDA Forest Service
3. NWI V 2.0. – National Wetlands Inventory (Version 2.0), United States Fish and Wildlife Service
4. FVEG – California Department of Forestry and Fire Protection, Fire and Resources Assessment Program (Calfire FRAP)

5. NHD - USGS National Hydrography Dataset

In addition, the National Wetland Inventory (NWI) dataset was used to identify areas not included in the NCCAG data but which contained riverine channels, riparian, or wetland vegetation. Additional review included habitat and wildlife/fisheries information available through an inventory of local projects; however, this review did not identify additional potential GDEs beyond those identified from the sources above.

Using aerial imagery (Google Earth Pro 2018), the next step will be to verify, add, or eliminate potential GDE polygons within the NCCAG dataset. Aerial imagery will be used to expand upon or reduce the existing NCCAG data based on vegetative cover and/or land use. For example, GDE polygons that were mapped in recently developed areas, concrete lined channels, or barren areas may be eliminated. Further, areas where monitoring and other data show that there is no surface water-groundwater connectivity would be eliminated. Human-made features such as detention basins, golf courses, reservoirs, and drainage ditches appearing to support riparian or wetland vegetation may be retained.

Added polygons could include areas where riparian woodland or alluvial scrub habitats that were already mapped as potential GDE polygons need to be revised or added based on the vegetative cover shown on the aerial imagery.

The results of the initial potential GDE mapping efforts are displayed in **Figure 3-52**. Small areas of potential GDEs are indicated to be present along the three major streams, certain minor streams, and in certain areas near the margin of San Francisco Bay. These potential GDE areas will be further evaluated in Subtask 4.2.

4 WATER BUDGET

This section discusses the various datasets needed for evaluation of the EBP Subbasin water budget.

4.1 Precipitation

Precipitation data in the EBP watershed were gathered from CIMIS, CDEC, CoCoRaHS, GHCN-Daily, and RAWS databases. Precipitation data are available from 1893 through 2019, with the longest period of record for a single station of 126 years. Almost all precipitation is reported on a daily basis, with the exception of some CDEC stations, which are reported at hourly, monthly, or event time steps. **Figure 4-1** shows the spatial distribution of precipitation stations within the EBP watershed. Stations are well distributed throughout the watershed. A summary of precipitation data available in the EBP watershed are presented in **Table 4-1**.

4.2 Evapotranspiration

Evapotranspiration (ET) data in the EBP watershed was gathered from the CIMIS database. ET data is available from 1999 through 2019 at a daily time step, with the longest period of record for a single station of 17 years. **Figure 4-1** shows the spatial distribution of ET stations within the EBP watershed. ET stations are limited to the northern and central portions of the watershed. A summary of ET data available in the EBP watershed is presented in **Table 4-2**.

4.3 Streamflow

Streamflow data in the EBP watershed were gathered from the CDEC and USGS databases. Streamflow data are available from 1924 through 2019, with the longest period of record for a single station of 95 years. **Figure 4-2** shows the spatial distribution of streamflow stations within the EBP watershed. Notably, San Lorenzo Creek is found to be well monitored, San Pablo Creek has limited monitoring data, and San Leandro Creek is not monitored. A summary of streamflow data available in the EBP watershed is presented in **Table 4-3**.

4.4 Land Use

Land use data were gathered from DWR County Surveys, DWR Land IQ, USDA CropScape, and NLCD. The EBP Subbasin is primarily an urban area, and available land use datasets represent the urban environment to varying details, some of which will not be useful in water budget development.

DWR County Surveys are available for Contra Costa County in 1995 and Alameda County in 2006 (**Figure 4-3**). The urban environment is divided into six groups: urban, commercial, industrial, landscape, residential, and vacant. The majority of EBP Subbasin is classified as urban.

DWR's Land IQ dataset (2014) does not categorize the urban environment with any detail (**Figure 4-4**). Similarly, USDA's CropScape dataset (2016) does not provide any detail on the urban environment (**Figure 4-5**). However, the CropScape land use map includes details on native vegetation in the hills outside the EBP Subbasin but within the watershed.

The NLCD datasets (available for 2011 in **Figure 4-6** and 2016 in **Figure 4-7**) categorize the urban environment by level of development. The EBP Subbasin is primarily classified as medium to high intensity development. NLCD also provides details on the native environment vegetation in the hills outside the EBP Subbasin but within the watershed.

4.5 Soils

The NRCS SSURGO has categorized soils within the EBP Subbasin watershed based on hydrologic soil groups (**Figure 4-8**). The northern portion of the EBP Subbasin has primarily hydrologic soil groups C and D, although significant areas of the EBP Subbasin are uncategorized. The central and southern portions of the EBP Subbasin have a range of hydrologic soil groups from A to D, with significant areas being uncategorized. The pockets of highest permeability soils (hydrologic soil group A) occur in Alameda and the vicinity of the Oakland Airport, and low permeability soils (hydrologic soil group D) occur along the western and southern edges of the southern portion of the EBP Subbasin. Soils in the hills east the EBP Subbasin but within the watershed are primarily categorized as hydrologic soils groups C and D, with some areas of hydrologic soil group B.

4.6 Groundwater Pumping

Initial information on groundwater pumping in the EBP Subbasin is available from various sources including an August 2018 letter from EBMUD and the City of Hayward to DWR regarding basin reprioritization, a series of working Excel spreadsheets provided by EBMUD to support the analysis of pumping data provided in the DWR letter, an Excel spreadsheet provided by EBMUD containing locations for domestic wells with backflow devices and newly discovered domestic wells without backflow devices, groundwater model inputs, and various previous studies. A request has also been made to the Hayward Area Recreation District (HARD) for information on their groundwater use.

Annual water supply deliveries were obtained for the City of Hayward from 1931 to 1987. These data included groundwater pumping from 1931 to 1963, after which groundwater was no longer used as a water supply. A letter from EBMUD and the City of Hayward to DWR provides average annual estimates of EBP Subbasin groundwater pumping from three previous studies conducted between 1999 and 2013, and additional evaluations conducted by EBMUD/Hayward. There are additional estimates of annual groundwater pumping available from various previous studies (Muir, 1996; CH2M Hill, 2000; WRIME, 2005). Additional evaluation of pumping data will be conducted as part of the Hydrogeologic Conceptual Model (Subtask 4.2).

4.7 Surface and Recycled Water Deliveries and Stormwater

Readily available water supply data were compiled from the following sources:

- EBMUD Urban Water Management Plan 2015
- EBMUD's Water Supply Management Program 2040
- South East Bay Plain Basin Groundwater Management Plan
- EBMUD Urban Water Management Plan 2010

- CUWA's Water Supply Reliability Sheet

The water supply data obtained so far are summarized below:

EBMUD

- Annual data for Recycled water: years 1990, 1995, 2000, 2005, 2010, 2015, 2020 – 2044
- Annual data for Imported/Delivered water: years 1990, 1995, 2000, 2005, 2010-2044
- Annual data for Stormwater: years 1990, 1995, 2000, 2005, 2010-2044

City of Hayward

- Annual data for Recycled water: years 1988-2010, 2015, 2020 – 2039
- Annual data for Imported/Delivered water: years 2000, 2005 – 2010, 2015, 2020 – 2039
- Annual data for Stormwater: years 1988 - 2072

Additional water supply data have been requested from EBMUD and Hayward, including monthly data for recycled water, imported/delivered water, and stormwater for the years from 1988 to 2072.

5 DATA GAP ANALYSIS

A data gap analysis was conducted to evaluate available data for assessment of geologic conditions, groundwater conditions, and the water budget. These data will be used to develop the HCM in the Hydrogeologic Conceptual Model (HCM) (Subtask 4.2), which will serve as the basis for groundwater model development. The data gap analysis was based on availability of data within a grid based on township, range, and section.

5.1 Hydrogeologic Conceptual Model – Geologic Conditions

All WCRs for wells that are 200 ft or deeper were mapped to highlight areas with data gaps, which were supplemented with WCRs for wells between 100 and 200 ft deep. Data gap areas are displayed as township, range, and sections where any section that did not contain a WCR (or a WCR in an adjacent section within 0.1 mile); these will be further evaluated to assess data needs. As seen in **Figure 5-1,** these potential data gap areas primarily exist in the region between Richmond and Berkeley. Other potential data gap areas include the Oakland airport vicinity and along the eastern boundary of the EBP Subbasin between Oakland and Piedmont.

Review of **Figure 3-5** from Section 3.1.2 indicates that geophysical log coverage in the southern portion of the EBP Subbasin south of San Leandro Creek is good. In addition, several geophysical logs are available along the western portion of the EBP Subbasin in the Oakland/Alameda area. In contrast, no geophysical logs were available in the northern portion of the EBP Subbasin. Thus, potential data gap areas for further evaluation for geophysical logs include the entire northern portion of the EBP Subbasin north of Oakland and the central eastern portion of the EBP Subbasin from Oakland to San Leandro.

As indicated in **Figure 3-7** in Section 3.1.2 (and confirmed by review of cross section locations from other references not displayed in **Figure 3-7**), previous work on cross sections has been conducted throughout the EBP Subbasin, but there has been much greater emphasis on the southern portion of the EBP Subbasin. The greater emphasis on the southern portion of the EBP Subbasin is due to a greater number of WCRs and geophysical logs being available and the fact that the EBP Subbasin is considerably deeper in the south, and the greater emphasis on groundwater supply development in the south. The WCRs retrieved from DWR are being evaluated to construct five to ten additional cross sections where sufficient well coverage is available.

The distribution of specific capacity data shown in **Figure 3-8** of Section 3.1.3 shows several data points in the southern portion of the EBP Subbasin from approximately San Leandro to Hayward. There are also a number of data points in the bedrock watershed to the east of the EBP Subbasin. Very limited data are available from Oakland north to Richmond, including no data between Berkeley and Richmond. There are also no data available in a large area centered on central and eastern Oakland. The availability of aquifer test data (**Figure 3-9**) follows a similar pattern as for specific capacity data.

5.2 Groundwater Conditions

5.2.1 Groundwater Levels

Wells with recent water level measurements (2010 or later) for the primary aquifers (well depths greater than 50 ft) were mapped to evaluate potential data gap areas in water level measurements within the EBP Subbasin. Potential data gap areas were identified using units based on the section level. Sections that did not include a well with relevant data, or within 0.1 miles of a well with relevant data, were marked as potential data gaps. This process was repeated for wells 50 ft bgs or less (**Figure 5-2**), wells deeper than 50 ft (**Figure 5-3**), and wells deeper than 200 ft (**Figure 5-4**). Areas with several connected section units were considered to be the primary (i.e., major) potential data gap areas for further evaluation.

Results of the very shallow zone (50 ft bgs or less) water level data gap evaluation show good coverage throughout the EBP Subbasin with no major (i.e., areas with several connected sections with no data) potential data gap areas. Recent water level measurements for wells deeper than 50 ft are limited when compared to data for the very shallow zone. The primary potential data gap areas identified for further evaluation include: the northern portion of the EBP Subbasin from Berkeley to Richmond, the area from the Oakland Airport vicinity and northeast to the East Bay hills, and an area between the Bay margin and East Bay hills in the southern portion of the EBP Subbasin. Significant potential data gap areas for future evaluation exist for water level monitoring throughout the EBP Subbasin for wells deeper than 200 ft.

5.2.2 Groundwater Quality

Wells with recent (2010 or later) water quality measurements, and known existing wells that could be sampled but do not currently have recent data, were mapped to evaluate potential water quality data gap areas within the EBP Subbasin. Mapping of the combination of wells with recent data (2010 or later) and known existing wells that could be sampled is intended to identify potential locations for future new wells for collecting groundwater quality data. Potential data gap areas were identified by displaying data available at the section level. Sections that did not include a well with relevant data, or are within 0.1 miles of a well with relevant data, were marked as potential data gaps. This process was focused on wells deeper than 50 ft for the water quality data gap analysis. Results of the water quality data gap evaluation for key constituents (i.e., TDS, chloride, nitrate, arsenic and manganese) are presented in **Figures 5-5 through 5-9**. These maps show the well depth designation as shallow (less than 200 ft deep), intermediate (200 to 450 ft deep), and deep (greater than 450 ft deep).

Recent TDS measurements in the shallow zone wells (50 to 200 ft bgs) are primarily concentrated in the northern portion of the EBP Subbasin near Richmond and in limited areas in the central portion of the EBP Subbasin. There is only one area in the central portion of the subbasin with recent TDS measurements in the intermediate zone. Recent TDS measurements in the deep zone are limited to the southwestern portion of the EBP Subbasin near San Lorenzo and Hayward. Significant data gap areas requiring further evaluation for TDS monitoring were identified in the northern portion of the EBP Subbasin from Berkeley to Richmond, in Alameda and central Oakland, and in large portions of the southern portion of the EBP Subbasin.

The potential data gap areas for further evaluation for chloride are similar to TDS results with only minor differences. The primary difference between data availability for chloride vs. TDS is that there are more recent chloride data available in the central portion of the EBP Subbasin, although many of these additional data locations are for wells with unknown screen intervals/depths.

Recent nitrate measurements in the shallow zone are available in the northern portion of the EBP Subbasin near Richmond, in the central portion in Alameda/Oakland, and in the southern portion of the EBP Subbasin in San Lorenzo/Hayward. There are no recent nitrate measurements in the intermediate zone, except one area near the border of Oakland and San Leandro. Recent nitrate measurements in the deep zone are confined to the southwestern portion of the basin near San Lorenzo/Hayward. Significant data gap areas for further evaluation in nitrate monitoring exist in the northern portion of the EBP Subbasin between Berkeley and El Cerrito, and in some areas of the southern portion of the EBP Subbasin (Oakland Airport/San Leandro, parts of Hayward).

Recent arsenic measurements in the shallow zone are primarily concentrated in the northern portion of the EBP Subbasin in Richmond. Two locations with recent arsenic measurements are available in the intermediate zone in the southern portion of the EBP Subbasin. A few recent arsenic measurements in the deep zone are available in the southernmost portion of the EBP Subbasin. The primary data gap areas for further evaluation in arsenic monitoring occur between Oakland and Richmond, and various areas in the southern portion of the EBP Subbasin.

Recent manganese measurement distribution and potential data gap areas for further evaluation are similar to arsenic as described above. The primary difference between arsenic and manganese data gap areas occurs in the central portion of the EBP Subbasin (Oakland/Emeryville area), where potential data gap areas differ slightly.

Review of isotope data for potential data gaps and preliminary recommendations was conducted by Dr. Jean Moran and is presented in **Appendix D**.

5.3 Water Budget

Available precipitation and evapotranspiration stations were previously introduced on **Figure 4-1,** and data were summarized in **Table 4-1**. Precipitation station locations are well distributed throughout the EBP Subbasin and contributing watershed, although periods of record are limited at most stations. However, relatively long periods of record are available at stations in Richmond, Berkeley, and Oakland within the EBP Subbasin, and at Newark in the adjacent Niles Cone Groundwater Subbasin to the south. The available precipitation datasets are generally adequate for water budget purposes.

Available evapotranspiration stations were previously introduced in **Figure 4-1,** and data were summarized in **Table 4-2**. Evapotranspiration station locations are limited with short time periods of data collection. Available stations are located in Oakland near San Francisco Bay, in the Oakland foothills near the east edge of the EBP Subbasin, in El Cerrito in the hills east of the EBP Subbasin, and in the town of Moraga.

The evapotranspiration datasets are limited in terms of available data prior to 1999. Further evaluation is required to determine whether available data within the EBP Subbasin can be extrapolated to prior years, or if stations with longer periods of record outside but near the EBP Subbasin can be utilized to inform historical hydrologic conditions.

Existing streamflow gauging stations were previously introduced in **Figure 4-2** and available data were summarized in **Table 4-3**. Some stream gauge data are available for San Pablo Creek and Wildcat Creek in the north, San Lorenzo Creek in the south, and some smaller creeks. Streamflow gauging station locations and overall periods of record for streamflow data at several existing stations are limited in the EBP Subbasin. A substantial period of record and recent data are available only for San Lorenzo Creek.

Several different sources of land use data are available and were previously introduced in **Figures 4-3 through 4-7**. The major issue with land use mapping is often defining urban land use under a single category. However, two datasets (for 2011 and 2016) shown in **Figures 4-6 and 4-7** provided a greater level of detail that may be helpful in water budget analyses.

6 SUMMARY

6.1 Geologic Conditions

Data to evaluate geologic conditions is generally adequate in the southern and west central portions of the EBP Subbasin. The data gap areas for further evaluation are primarily in the northern portion of the EBP Subbasin north of Oakland and the far east central portion of the EBP Subbasin.

6.2 Groundwater Conditions

Potential data gap areas for groundwater conditions (water level and water quality data) characterization are more extensive than data gap areas for geologic conditions. While the same potential data gap areas noted for geologic conditions (northern and east central portions of the EBP Subbasin) also apply to groundwater conditions, there are additional potential data gap areas within the southern portion of the EBP Subbasin. The potential data gap areas for groundwater conditions are greater when considering only data for intermediate and deep wells.

6.3 Water Budget

The distribution of precipitation stations and periods of record are generally adequate for water budget purposes. Evapotranspiration station locations and periods of record are limited, but these ET data may be adequate in combination with temperature data and/or ET stations located outside the EBP Subbasin. Streamflow gauging stations are very limited, both in terms of distribution and periods of records. The most notable data gap for streamflow data is the lack of any gauging stations on San Leandro Creek, which is one of the three major creeks in the EBP Subbasin. There are also very limited data for San Pablo Creek, which is one of the three major creeks in the EBP Subbasin. Sources of groundwater pumping data are limited for the EBP Subbasin, particularly in terms of specific locations and amounts of pumping. Groundwater pumping in the EBP Subbasin has evolved and changed significantly since the 1950s/1960s, including significant reductions in pumping after the 1960s. Additional work will be conducted in the Hydrogeologic Conceptual Model (Subtask 4.2) to further evaluate groundwater pumping throughout the EBP Subbasin and changes in pumping over time.

Table 6-1. Summary of Data Gap Analysis

Data Need		Area of EBP Subbasin North	Area of EBP Subbasin South
Geologic/Hydrogeologic Characterization	Well Completion Reports	Poor	Good
	Geophysical Logs	Poor	Fair to Good
	Aquifer Properties	Poor	Fair to Good
Groundwater Conditions	Levels	Poor; except for recent time period in upper 50 feet	Poor to Fair; varies by aquifer/time period
	Quality	Poor; except for recent time period in upper 50 feet	Poor to Fair; varies by aquifer/time period
	Isotopes	Poor	Fair
	Subsidence	Poor	Poor to Fair
	SW-GW Interactions	Poor	Poor
Water Budget	Precipitation	Good	Fair
	Evapotranspiration	Poor to Fair	Poor to Fair
	Streamflow	Poor	Poor
	Land Use	Good	Good
	Surficial Soils	Fair	Fair
	Groundwater Pumping	Poor to Fair	Poor to Fair
	Surface & Recycled Water Deliveries	Fair to Good	Fair to Good

Notes: Excellent: No further data needed; Good: Small data gap areas with limited data needs; Fair: One or two major data gap areas; Poor: Large areas with no data

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Tables

Table 2-2: Summary of Hydrogeologic Conceptual Model Data Acquired – Groundwater Conditions

Entity	Data Type	Data Description	Period of Record
UNAVCO PBO	Subsidence	Subsidence data available in UNAVCO PBO database	1996-2019
USGS	Subsidence	Subsidence data and water levels available in USGS database and from local sources	2006-2019
ACPWA	Water Levels	Water levels available from local sources and previous reports	1949-2003
ACWD	Water Levels	Water levels available from local sources	1961-2019
DWR	Water Levels	Water levels available in CASGEM database	1949-2019
EBMUD	Water Levels	Water levels (transducer measurements) available from local sources	2014-2019
Port of Oakland	Water Levels	Water levels available from previous reports	1974-1997
USGS	Water Levels	Water levels available in USGS database	1958-2019
Bayside-LIMIS	Water Quality	Water levels available from local sources	2003-2018
GAMA-DDW	Water Quality	Water quality available in GAMA database (DDW)	1988-2017
GAMA-DWR	Water Quality	Water quality available in GAMA database (DWR)	1949-1990
GAMA-EDF	Water Quality	Water quality available in GAMA database (EDF)	2001-2019
GAMA-USGS	Water Quality	Water quality available in GAMA database (USGS)	2007-2017
Hickenbottom	Water Quality	Water levels available from local sources and previous reports	1955-1986
USGS	Water Quality	Water quality available in USGS database and from local sources	1952-2017

Table 2-3: Summary of Hydrogeologic Conceptual Model Data Acquired – Water Budget Components

Entity	Data Type	Data Description	Period of Record
CIMIS	Evapotranspiration	CIMIS station weather data include: ETo, precipitation, solar radiation, average vapor pressure, minimum/maximum/average air temperature, minimum/maximum/average relative humidity, dewpoint, average wind speed, wind run, average soil temperature	1999-2019
DWR	Land Use	County surveys for Alameda and Contra Costa; Land IQ dataset	1995, 2006, 2014
NLCD	Land Use	California coverage of land usage by crop	2011, 2016
USDA CropScape	Land Use	Land usage data with crop delineations and crop-pixel linkages	2016
CDEC	Precipitation	Monthly, Daily, Hourly, and Event precipitation data	1971-2019
CIMIS	Precipitation	CIMIS station weather data include: ETo, precipitation, solar radiation, average vapor pressure, minimum/maximum/average air temperature, minimum/maximum/average relative humidity, dewpoint, average wind speed, wind run, average soil temperature	1999-2019
CoCoRaHS	Precipitation	Daily precipitation data	1998-2019
GHCN-Daily	Precipitation	Daily precipitation data	1893-2019
RAWS	Precipitation	Daily precipitation data	1992-2019
NRCS SSURGO	Soils	Mapped soil characteristics	
CDEC	Streamflow	River stage data available in CDEC database	2019
USGS	Streamflow	Gage height and streamflow data available in USGS database	1924-2019

CDEC - California Data Exchange Center; CIMIS - California Irrigation Management Information System; CoCoRaHS - Community Collaborative Rain, Hail and Snow Network; DWR - Department of Water Resources; GHCN - Global Historical Climatology Network; NLCD - National Land Cover Data; NRCS SSURGO - Natural Resources Conservation Service Soil Survey Geographic Database; RAWS - Remote Automated Weather Stations; USDA - United States Department of Agriculture; USGS - United States Geological Survey;

Table 3-3: Summary of Subsidence Data

Station ID	Station Name	Well Depth	Station Type	Subsidence				Water Level				Source
				First Msmt.	Last Msmt.	Period of Record	Msmt. Count	First Msmt.	Last Msmt.	Period of Record	Msmt. Count	
WINT	WINT_BARD_CN1991	-	GPS	1996	2019	23	7,121	-	-	-	-	PBO
P181	MillerKnoxCN2005	-	GPS	2005	2019	14	4,961	-	-	-	-	PBO
374004122092001	03S/03W-14K15	598	Extensometer	2008	2019	11	91,652	-	-	-	-	USGS
374005122092001	03S/03W-14K16	980	Extensometer	2008	2019	11	89,307	-	-	-	-	USGS
374004122092102	03S/03W-14K18	860	Well	-	-	-	-	2006	2019	13	88	USGS
374004122092103	03S/03W-14K19	640	Well	-	-	-	-	2006	2019	13	88	USGS
374004122092104	03S/03W-14K20	318	Well	-	-	-	-	2006	2019	13	87	USGS
374004122092105	03S/03W-14K21	138	Well	-	-	-	-	2006	2019	13	85	USGS
374004122092106	03S/03W-14K22	45	Well	-	-	-	-	2006	2019	13	89	USGS

Table 4-1: Summary of Precipitation Data

Station ID	Station Name	Source	First Measurement	Last Measurement	Period of Record	Measurement Count	Data Duration
OKM	Oakland Museum	CDEC	1971	2000	29	348	Monthly
ONO	Oakland North	CDEC	1992	2019	27	234,322	Hourly
OSO	Oakland South	CDEC	2003	2019	16	5,811	Daily
RHL	Richmond City Hall	CDEC	2015	2019	4	1,429	Daily
SLE	San Leandro Bay	CDEC	1996	2019	23	9,609	Event
TLD	Tilden Park	CDEC	2004	2019	15	157,824	Event
149	Oakland Foothills	CIMIS	1999	2013	14	5,255	Daily
178	Moraga	CIMIS	2002	2019	17	6,393	Daily
213	El Cerrito	CIMIS	2013	2019	6	2,048	Daily
254	Oakland Metro	CIMIS	2018	2019	1	541	Daily
CA-AL-1	Piedmont 1.0 SE, CA US	CoCoRaHS	2008	2019	11	3,953	Daily
CA-AL-11	San Lorenzo 0.5 NNW, CA US	CoCoRaHS	2010	2019	9	2,543	Daily
CA-AL-15	Oakland 1.0 NE, CA US	CoCoRaHS	2013	2015	2	397	Daily
CA-AL-16	Oakland 7.8 SE, CA US	CoCoRaHS	1998	2016	18	1,016	Daily
CA-AL-17	Oakland 5.0 NNE, CA US	CoCoRaHS	2013	2015	2	894	Daily
CA-AL-18	Berkeley 4.0 E, CA US	CoCoRaHS	2013	2019	6	2,029	Daily
CA-AL-2	Castro Valley 0.5 WSW, CA US	CoCoRaHS	2008	2012	4	959	Daily
CA-AL-20	Berkeley 0.9 NE, CA US	CoCoRaHS	2014	2015	1	697	Daily
CA-AL-25	Albany 1.7 E, CA US	CoCoRaHS	2015	2019	4	1,172	Daily
CA-AL-3	Castro Valley 0.4 NNE, CA US	CoCoRaHS	2009	2019	10	3,480	Daily
CA-AL-30	Oakland 1.2 ENE, CA US	CoCoRaHS	2015	2019	4	1,356	Daily
CA-AL-33	Castro Valley 2.0 SW, CA US	CoCoRaHS	2016	2018	2	690	Daily
CA-AL-39	Berkeley 0.9 SSE, CA US	CoCoRaHS	2017	2019	2	264	Daily
CA-AL-45	Oakland 4.9 NNE, CA US	CoCoRaHS	2018	2019	1	175	Daily
CA-AL-6	Oakland 4.4 NNW, CA US	CoCoRaHS	2010	2019	9	500	Daily
CA-AL-8	Berkeley 3.8 ESE, CA US	CoCoRaHS	2010	2013	3	1,161	Daily
CA-CC-25	Moraga 2.4 NNW, CA US	CoCoRaHS	2012	2019	7	1,560	Daily
CA-CC-28	El Cerrito 1.3 NW, CA US	CoCoRaHS	2013	2019	6	2,187	Daily
CA-CC-35	Richmond 3.6 SE, CA US	CoCoRaHS	2015	2019	4	287	Daily
CA-CC-40	El Cerrito 0.3 WNW, CA US	CoCoRaHS	2017	2019	2	640	Daily
USC00040693	Berkeley, CA US	GHCN-Daily	1893	2019	126	41,267	Daily
USC00043244	Fremont, CA US	GHCN-Daily	1996	2019	23	8,180	Daily
USC00043652	Round Top, CA US	GHCN-Daily	1943	1960	17	6,096	Daily
USC00043862	Hayward, CA US	GHCN-Daily	1906	1930	24	2,357	Daily
USC00043863	Hayward 4 ESE, CA US	GHCN-Daily	1948	1951	3	1,180	Daily
USC00046144	Newark, CA US	GHCN-Daily	1906	2019	113	27,417	Daily
USC00046201	Niles, CA US	GHCN-Daily	1893	1898	5	1,887	Daily
USC00046332	Oakland, CA US	GHCN-Daily	1894	1958	64	20,944	Daily
USC00046333	Oakland City Hall, CA US	GHCN-Daily	1949	1954	5	1,681	Daily
USC00046336	Oakland Museum, CA US	GHCN-Daily	1970	2019	49	16,577	Daily
USC00046502	Orinda Bowman, CA US	GHCN-Daily	1944	1960	16	5,770	Daily
USC00047414	Richmond, CA US	GHCN-Daily	1950	2019	69	24,108	Daily
USC00047416	Richmond Field Station, CA US	GHCN-Daily	1955	1959	4	1,421	Daily
USC00047661	Saint Marys College, CA US	GHCN-Daily	1942	1981	39	14,051	Daily
USC00049185	Upper San Leandro Filters, CA US	GHCN-Daily	1948	2019	71	22,927	Daily
USW00023230	Oakland Metropolitan, CA US	GHCN-Daily	1948	2019	71	20,061	Daily
USW00023239	Alameda Nas, CA US	GHCN-Daily	1945	1996	51	18,898	Daily
USW00093211	Oakland Nas, CA US	GHCN-Daily	1949	1951	2	404	Daily
USW00093228	Hayward Air Terminal, CA US	GHCN-Daily	1998	2019	21	7,625	Daily
COKN	Oakland North	RAWS	1992	2019	27	9,565	Daily
COKS	Oakland South	RAWS	1992	2019	27	9,378	Daily

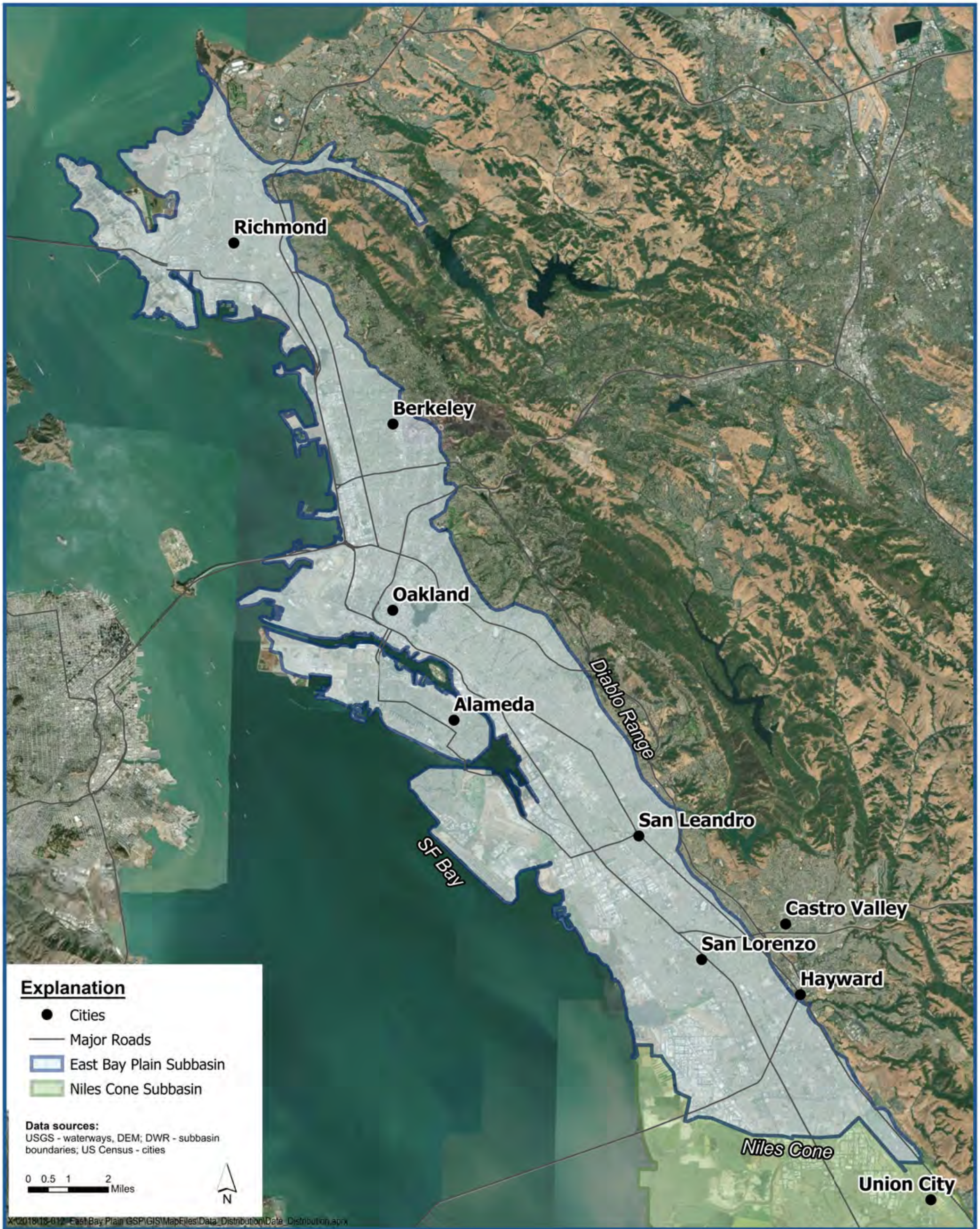
Table 4-2: Summary of Evapotranspiration Data

Station ID	Station Name	Source	First Measurement	Last Measurement	Period of Record	Measurement Count	Data Duration
213	El Cerrito	CIMIS	2013	2019	6	2,048	Daily
178	Moraga	CIMIS	2002	2019	17	6,393	Daily
149	Oakland Foothills	CIMIS	1999	2013	14	5,255	Daily
254	Oakland Metro	CIMIS	2018	2019	1	541	Daily

Table 4-3: Summary of Streamflow Data

Station ID	Station Name	Source	First Measurement	Last Measurement	Period of Record	Measurement Count
CVC	Castro Valley Cr at Hayward CA	CDEC	2019	2019	0	49
PSP	Pinole Creek at San Pablo	CDEC	2019	2019	0	49
RHW	Rodeo Creek at Hawthorne Drive	CDEC	2019	2019	0	49
VBR	WildCat Creek at Vale	CDEC	2019	2019	0	49
SNP	San Pablo Creek at La Honda Road	CDEC			0	0
11172945	Alameda C Ab Div Dam Nr Sunol CA	USGS	1994	2019	25	250
11172955	Alameda C Bl Div Dam Nr Sunol CA	USGS	2010	2019	9	112
11173500	Calaveras C Nr Sunol CA	USGS	2002	2019	17	194
11173510	Alameda C Bl Calaveras C Nr Sunol CA	USGS	1995	2019	24	253
11173575	Alameda C Bl Welch C Nr Sunol CA	USGS	1999	2019	20	243
11173800	Indian C Nr Sunol CA	USGS	2014	2019	5	63
11174000	San Antonio C Nr Sunol CA	USGS	1960	2019	59	256
11174060	Alameda C A Hwy 680 Nr Sunol CA	USGS	1999	2002	3	24
11176000	Arroyo Mocho Nr Livermore CA	USGS	1967	2001	34	128
11176200	Arroyo Mocho Nr Pleasanton CA	USGS	2000	2017	17	3
11176325	Arroyo Mocho A Hopyard Rd A Pleasanton CA	USGS	2000	2002	2	12
11176400	Arroyo Valle Bl Lang Cyn Nr Livermore CA	USGS	1974	2019	45	263
11176500	Arroyo Valle Nr Livermore CA	USGS	1955	2019	64	468
11176600	Arroyo Valle A Pleasanton CA	USGS	2000	2002	2	9
11176710	Arroyo De La Laguna A Bernal Ave A Pleasanton CA	USGS	2000	2002	2	12
11176900	Arroyo De La Laguna A Verona CA	USGS	2003	2019	16	216
11177000	Arroyo De La Laguna Nr Pleasanton CA	USGS	1969	2003	34	330
11177200	Vallecitos C A Sunol CA	USGS	1988	2015	27	59
11179000	Alameda C Nr Niles CA	USGS	1924	2019	95	406
11179100	Alameda C Nr Fremont CA	USGS	2012	2019	7	133
11180500	Dry C A Union City CA	USGS	1960	2019	59	215
11180700	Alameda C Flood Channel A Union City CA	USGS	1959	2019	60	483
11180810	Palomares C Nr Hayward CA	USGS	1997	2003	6	47
11180825	San Lorenzo C Ab Don Castro Res Nr Castro V CA	USGS	1984	2019	35	307
11180900	Crow C Nr Hayward CA	USGS	1997	2019	22	221
11180960	Cull C Ab Cull C Res Nr Castro Valley CA	USGS	1979	2019	40	297
11181000	San Lorenzo C A Hayward CA	USGS	1940	2019	79	664
11181006	Castro Valley C A Knox St At Castro Val CA	USGS	1980	1999	19	42
11181008	Castro Valley C A Hayward CA	USGS	1971	2019	48	270
11181040	San Lorenzo C A San Lorenzo CA	USGS	1968	2019	51	322
11181330	Temescal C Ab Lk Temescal A Oakland CA	USGS	1979	1993	14	52
11181390	Wildcat C A Vale Rd At Richmond CA	USGS	1975	1996	21	191
11181400	Wildcat C A Richmond CA	USGS	1964	1975	11	47
11182030	Rheem C A San Pablo CA	USGS	1960	1990	30	276
373434121482801	Indian C A Indian Creek Road Nr Sunol CA	USGS	2015	2019	4	47
373507121472101	San Antonio C A Indian Creek Road Nr Sunol CA	USGS	2014	2019	5	49
373636122045801	Alameda C A Hersperian Blvd A Union City CA	USGS	1998	2000	2	4
373728122041401	Ward C A Folsom Ave A Hayward CA	USGS	1998	2002	4	8
374120122041501	Castro Valley C A Watson St A Castro Valley CA	USGS	1999	2003	4	5
374128122045601	Chabot C A Norbridge Ave A Castro Valley CA	USGS	1998	2000	2	3

Figures



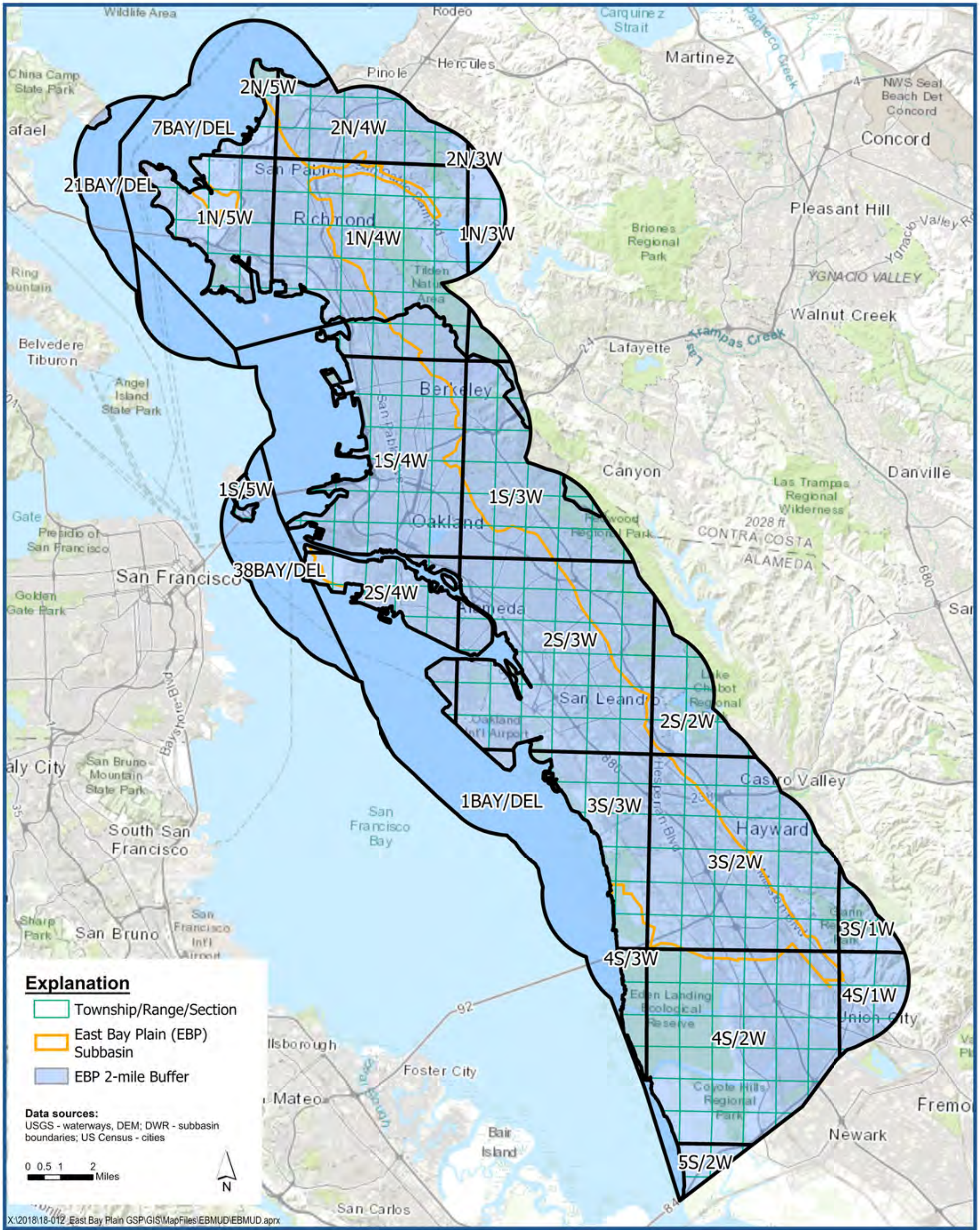
Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

LSCE TEAM

East Bay Plain Subbasin Location Map

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 1-1



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

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LSCE TEAM

DWR Well Log Request Area for East Bay Plain Subbasin

Figure 2-1

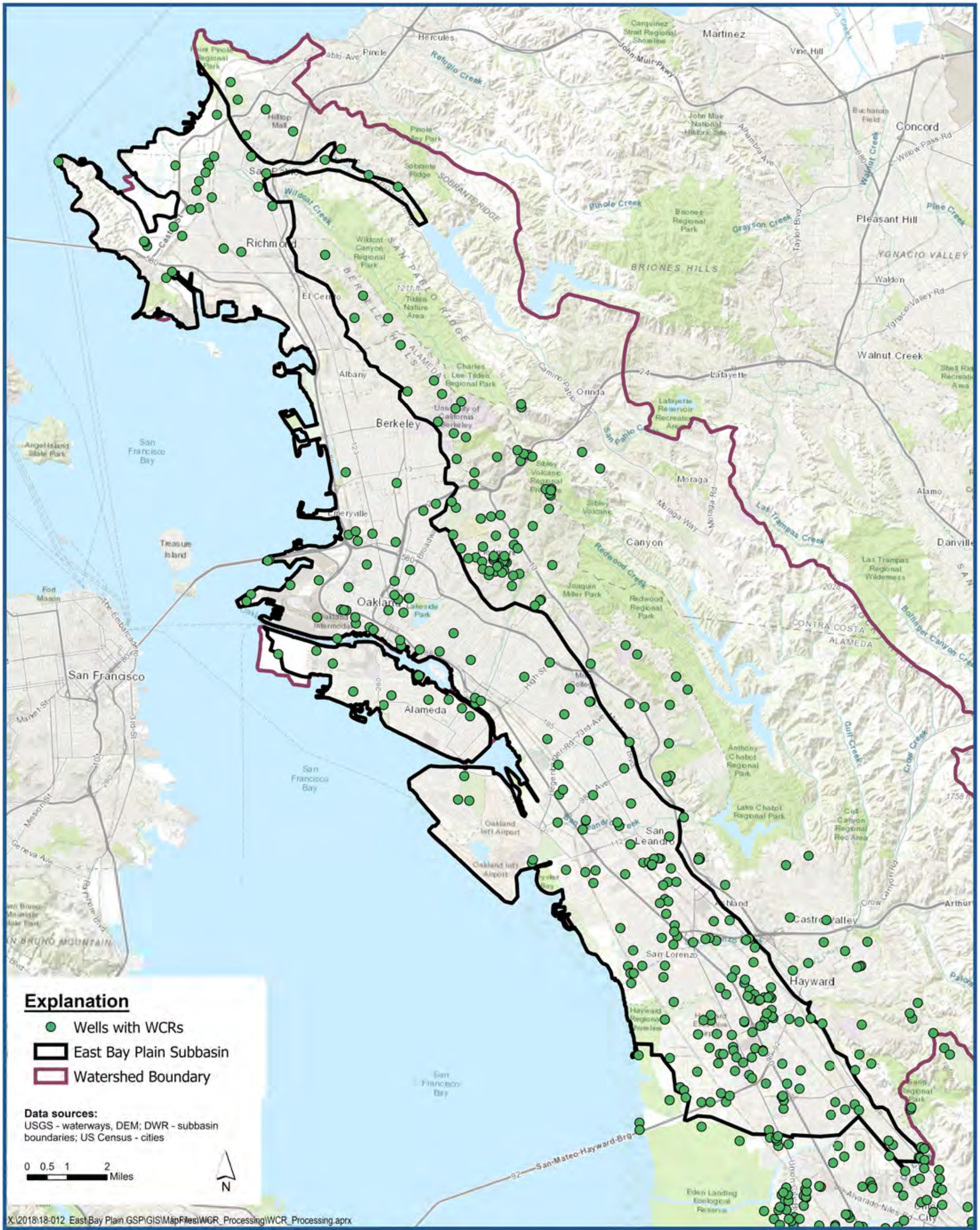
East Bay Plain Subbasin Groundwater Sustainability Plan

LSCE TEAM

East Bay Plain Subbasin Watershed Boundary

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-1

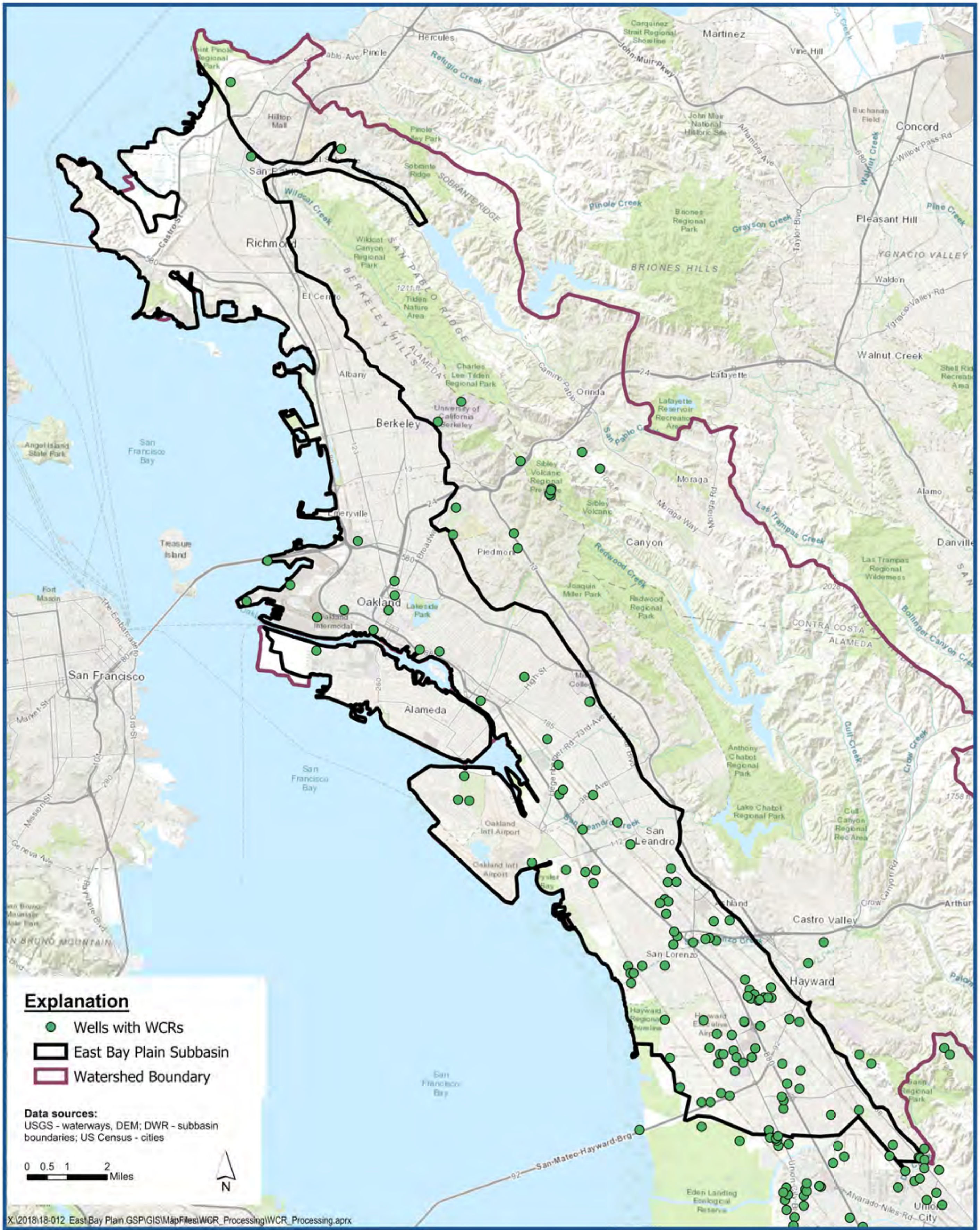


LSCE TEAM

Wells with WCRs Equal or Deeper than 100 feet

Figure 3-2

East Bay Plain Subbasin
Groundwater Sustainability Plan

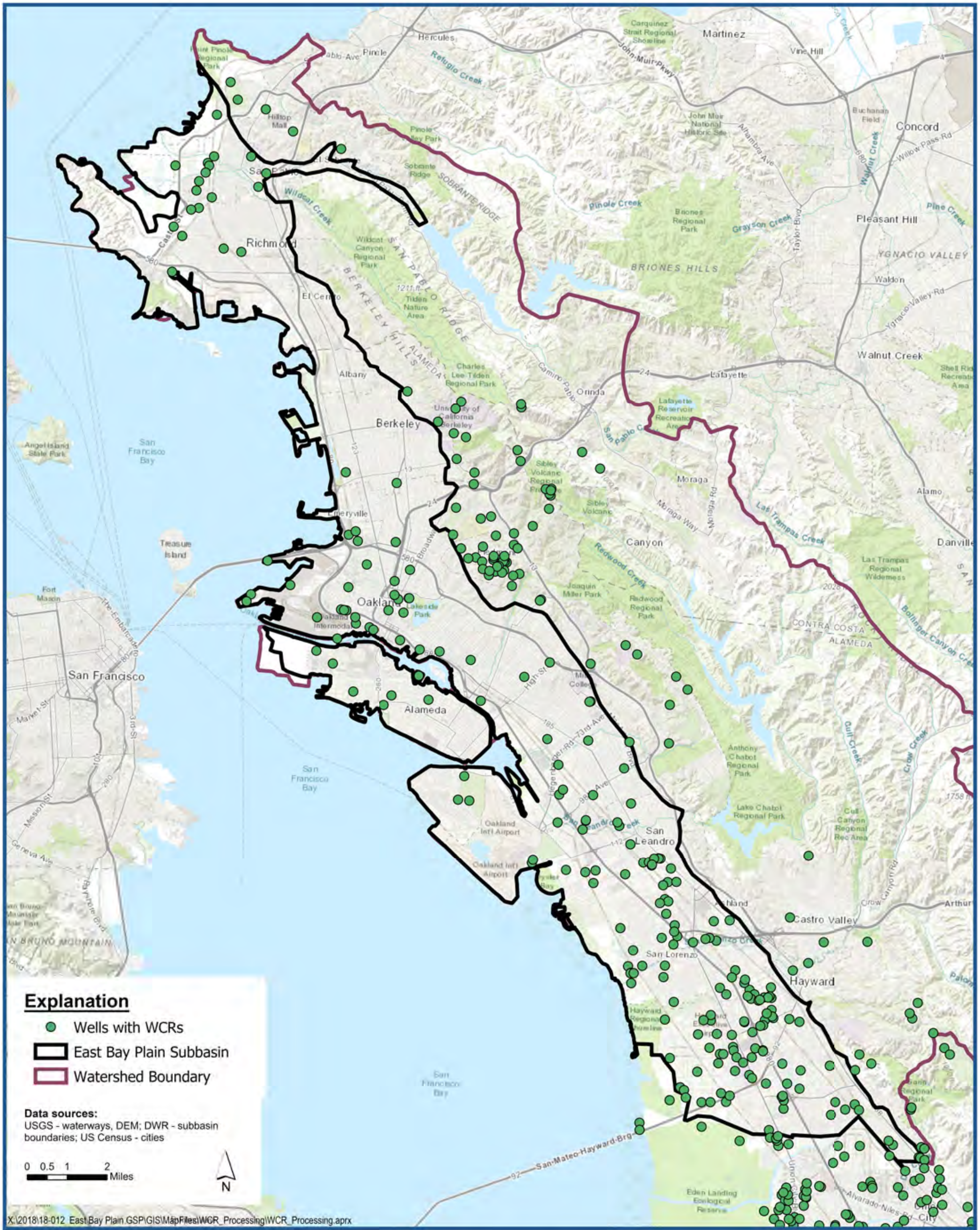


LSCE TEAM

Wells with WCRs Equal or Deeper than 400 feet

Figure 3-3

East Bay Plain Subbasin
Groundwater Sustainability Plan



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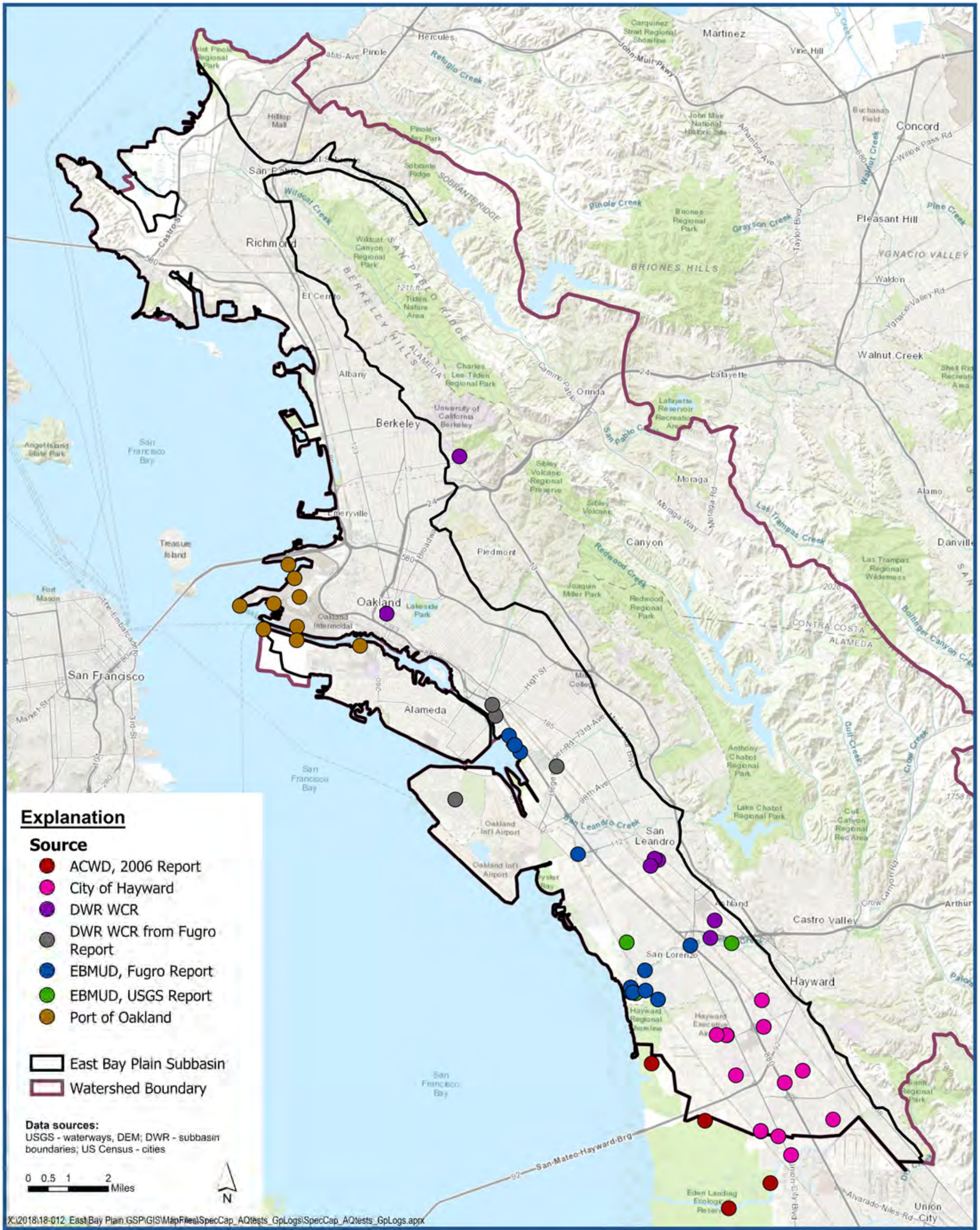
LSCE TEAM

Wells with WCRs Equal or Deeper than 200 feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-4

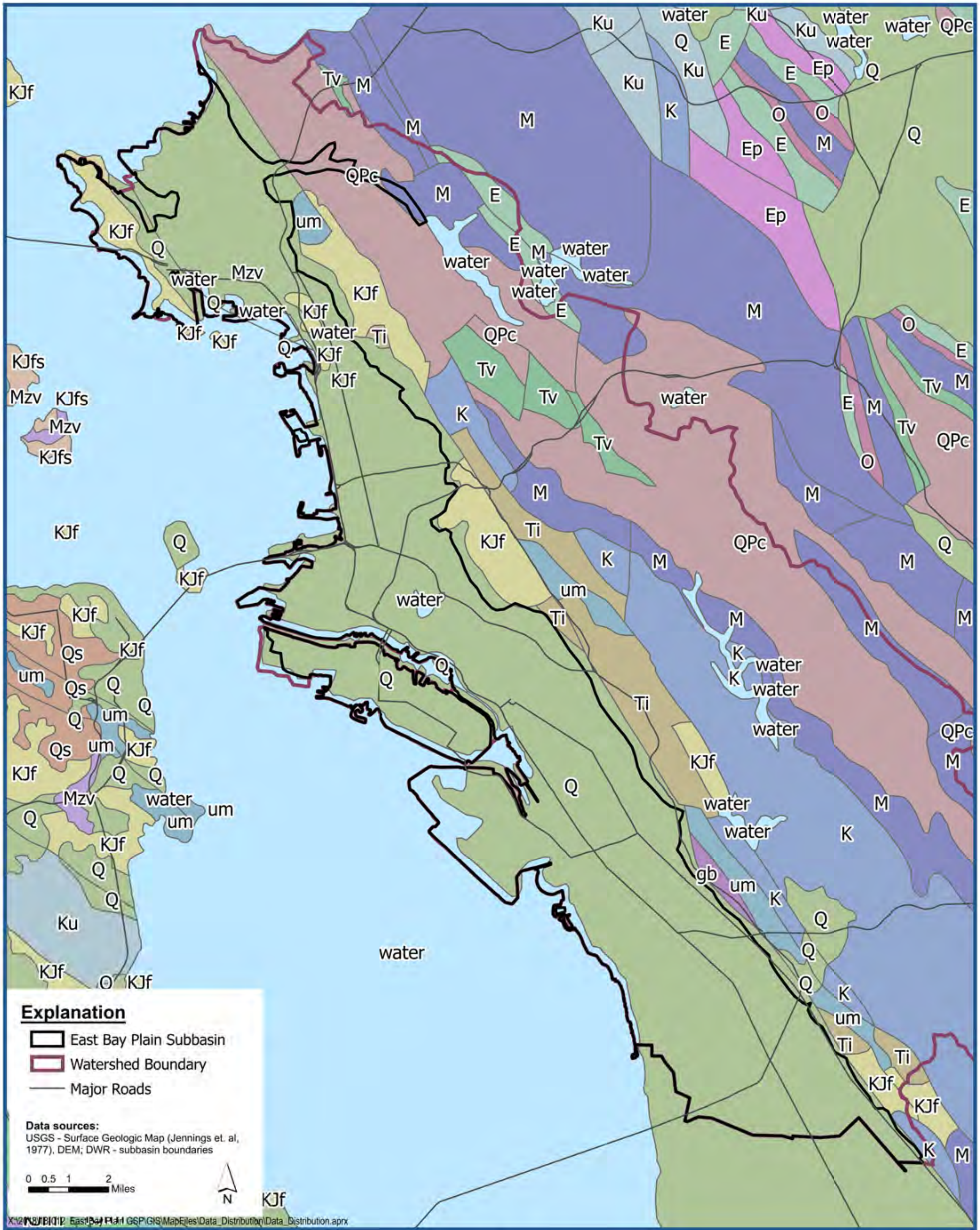


LSCE TEAM

Wells/Boreholes with Geophysical Logs

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-5



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LSCE TEAM

Surface Geologic Map
USGS - Jennings et. al, 1977

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-6a

Explanation

🟩	E	Eocene marine rocks
🟪	Ep	Paleocene marine rocks
🟥	J	Jurassic marine rocks
🟦	K	Cretaceous marine rocks (in part nonmarine)
🟨	KJf	Franciscan Complex
🟩	KJfm	Franciscan melange
🟫	KJfs	Franciscan schist
🟪	Kl	Lower Cretaceous marine rocks
🟦	Ku	Upper Cretaceous marine rocks
🟦	M	Miocene marine rocks
🟪	Mzv	Mesozoic volcanic rocks
🟪	O	Oligocene marine rocks
🟦	P	Pliocene marine rocks
🟩	Q	Quaternary alluvium and marine deposits
🟫	QPc	Plio-Pleistocene and Pliocene loosely consolidated deposits
🟫	Qs	Quaternary sand deposits
🟫	Ti	Tertiary intrusive rocks (hypabyssal)
🟩	Tv	Tertiary volcanic flow rocks
🟪	Tvp	Tertiary pyroclastic and volcanic mudflow deposits
🟪	gb	Mesozoic gabbroic rocks
🟦	grMz	Mesozoic granitic rocks
🟦	um	Ultramafic rocks, chiefly Mesozoic
🟦	Water	

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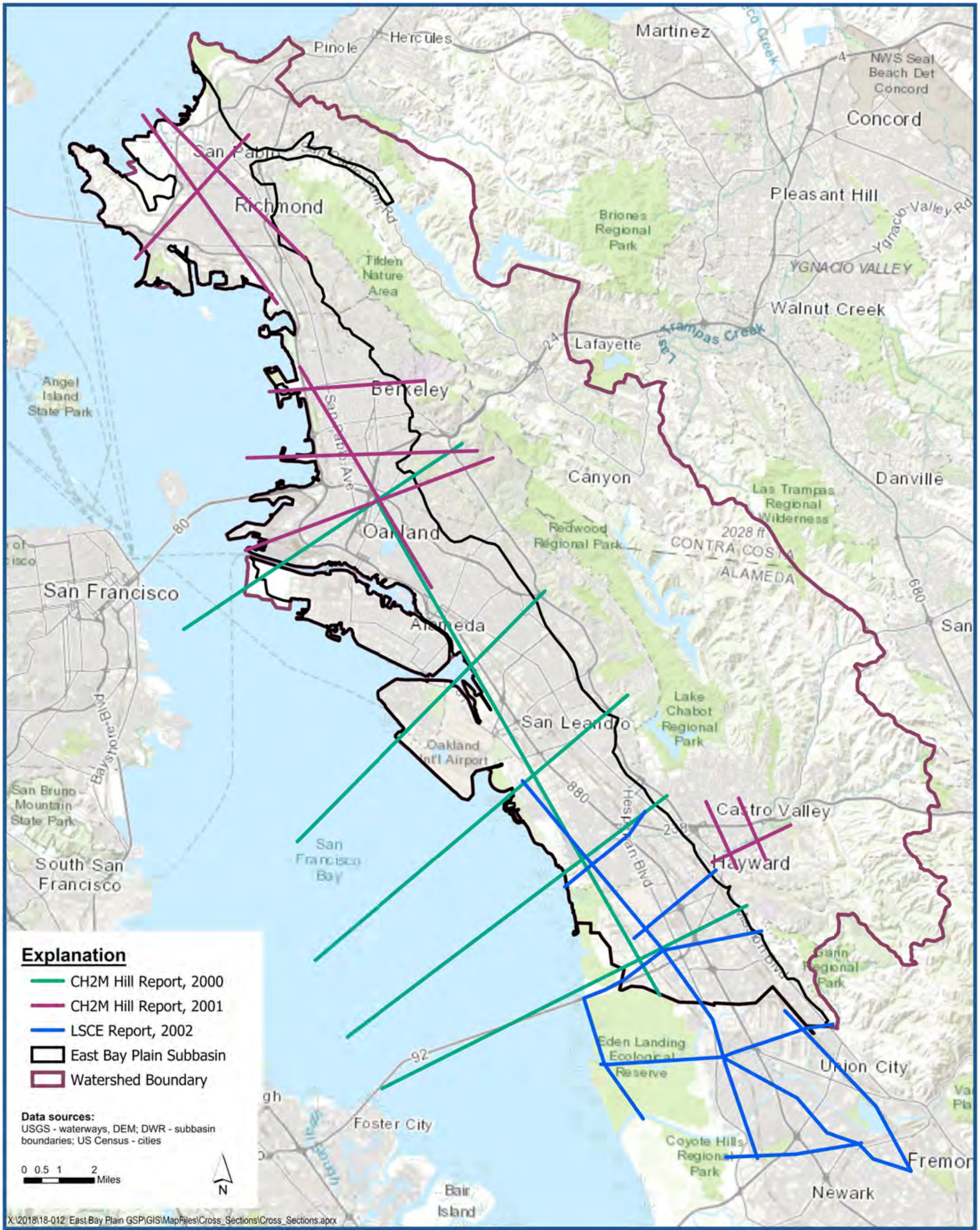
LSCE TEAM

Surface Geologic Map - Legend
USGS - Jennings et. al, 1977

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-6b

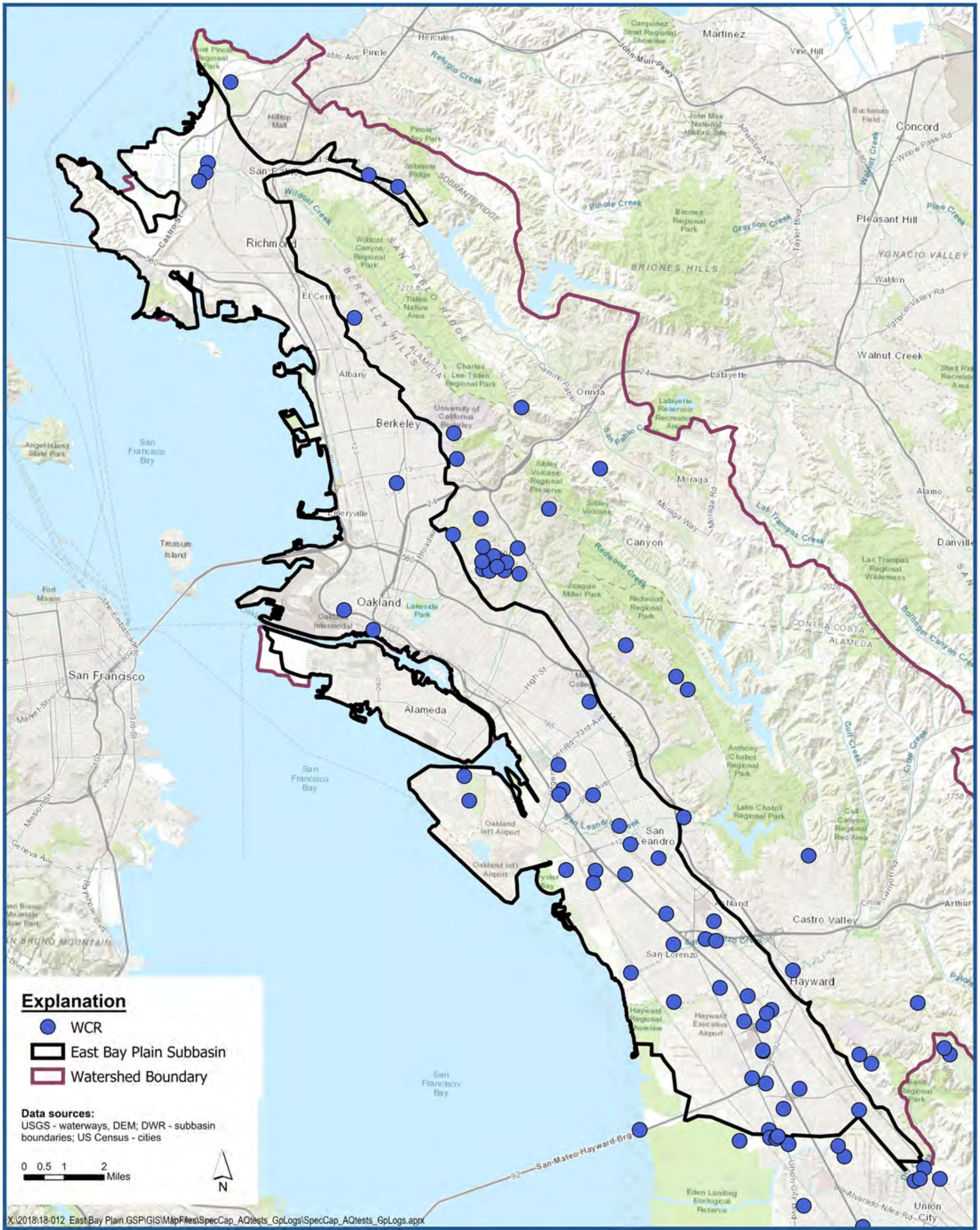


LSCE TEAM

Locations of Selected Existing Geologic Cross-Sections

Figure 3-7

East Bay Plain Subbasin
Groundwater Sustainability Plan

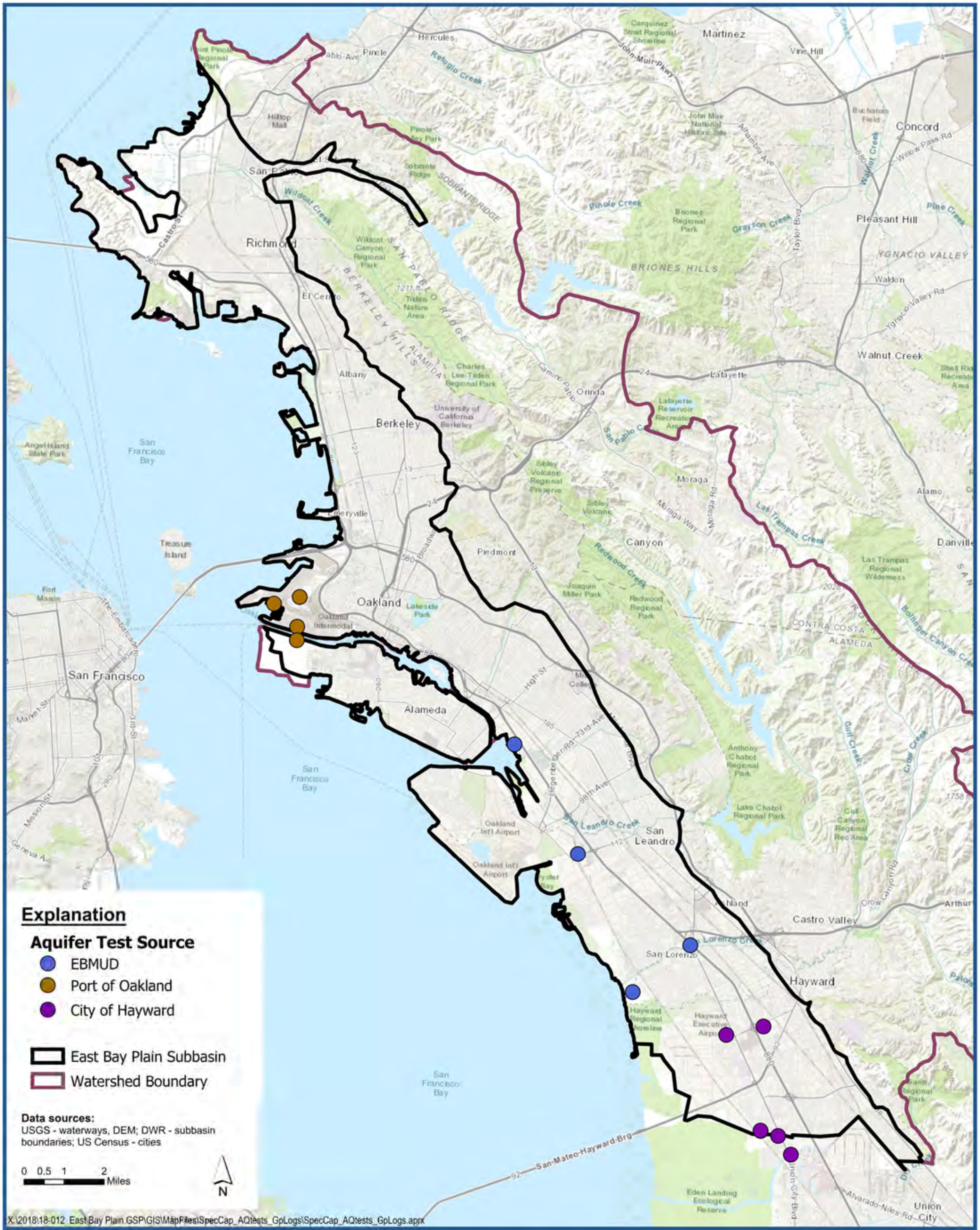


LSCE TEAM

WCRs with Specific Capacity Data

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-8

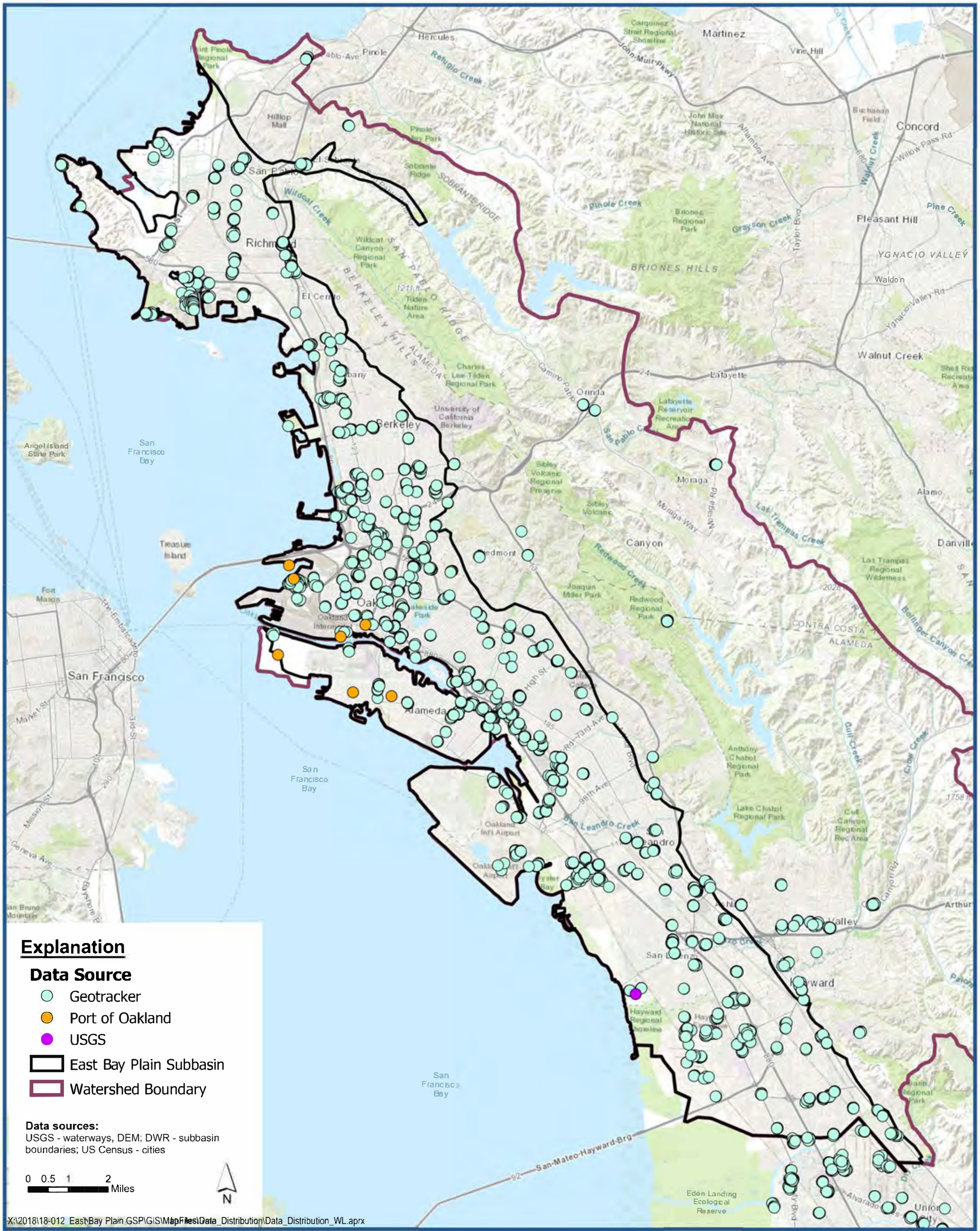


LSCE TEAM

Wells with Aquifer Test Data

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-9

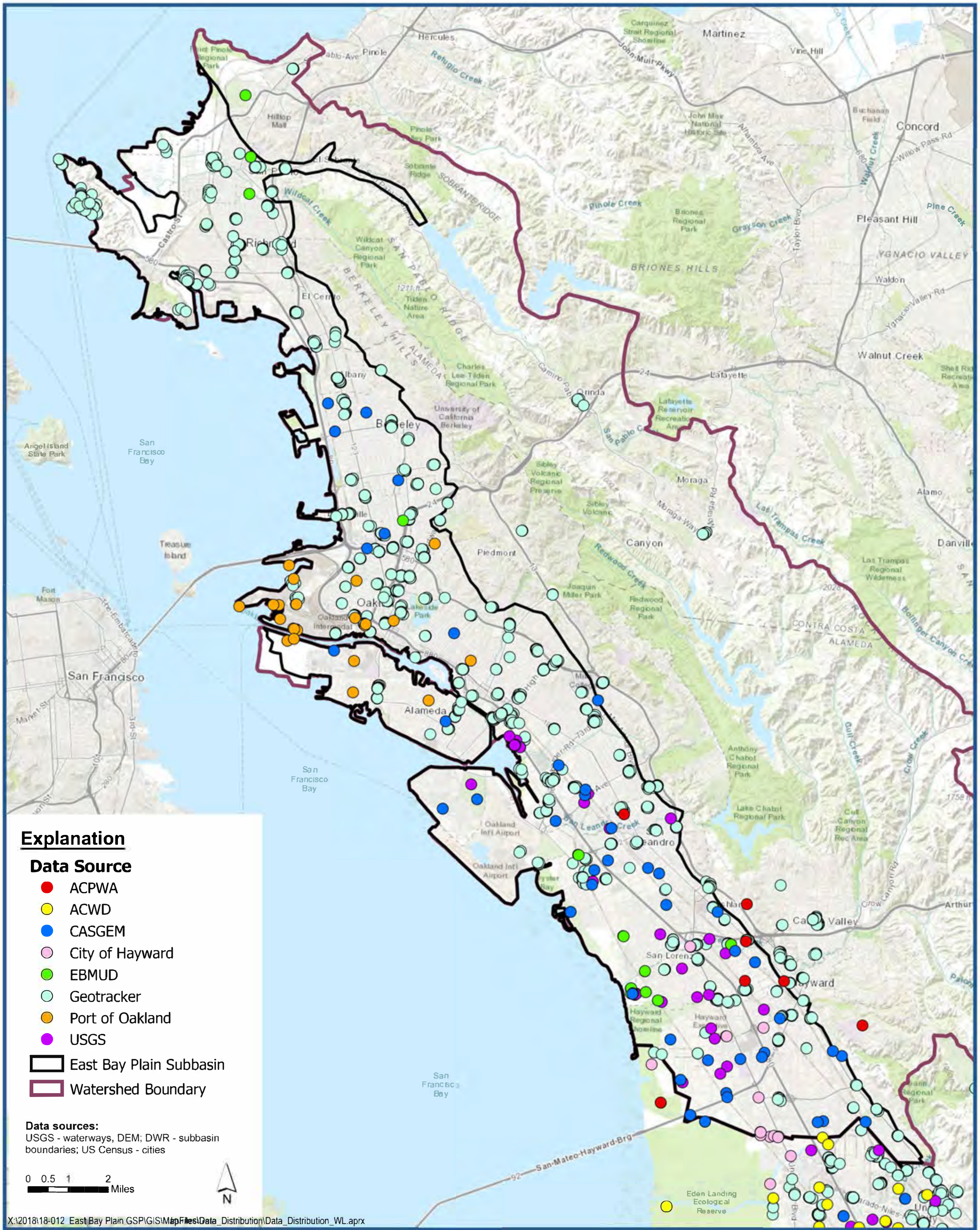


LSCE TEAM

Wells 50 Feet Deep or Less with Groundwater Level Data

Figure 3-10

East Bay Plain Subbasin
Groundwater Sustainability Plan



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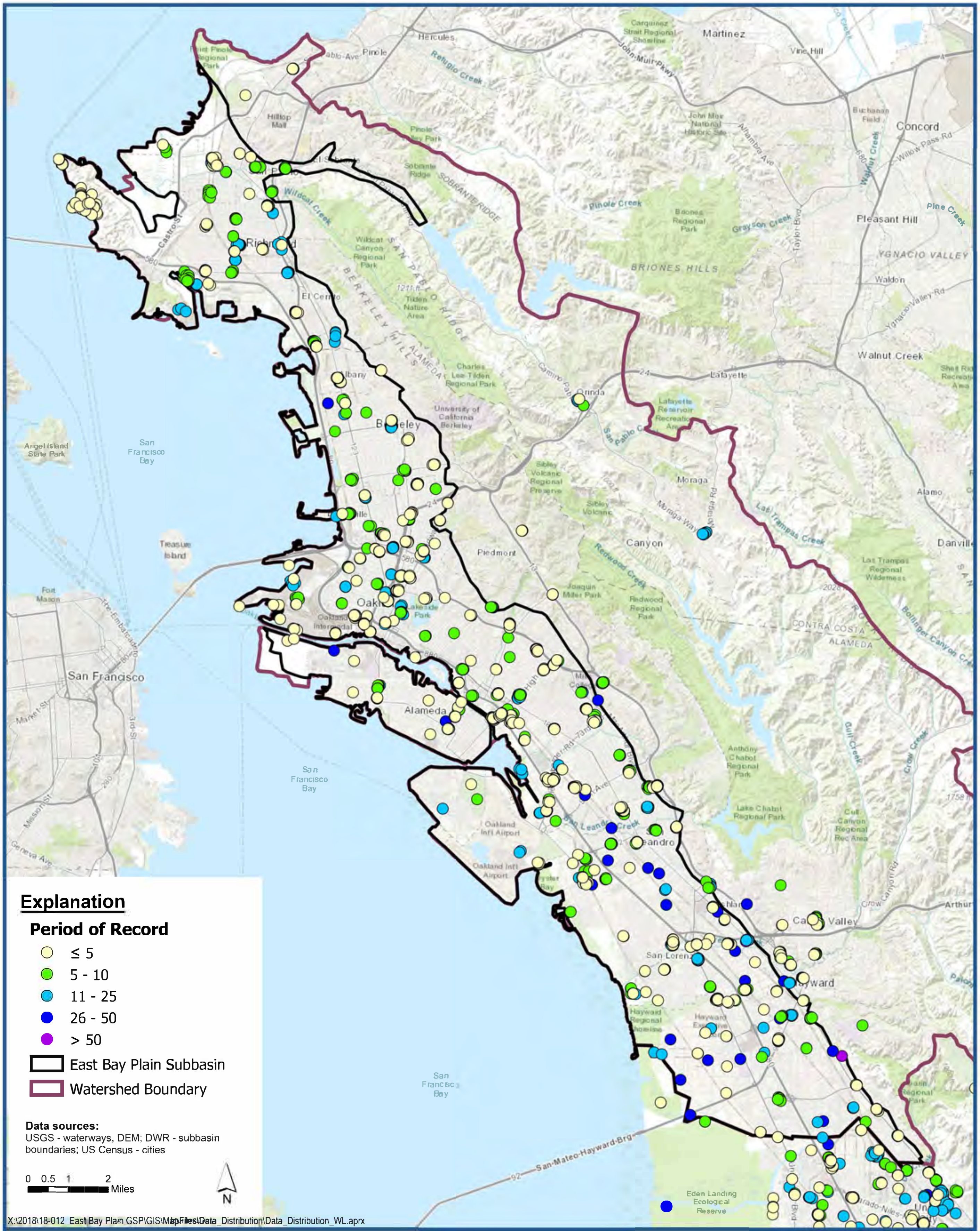
LSCE TEAM

Wells Deeper than 50 Feet with Groundwater Level Data

East Bay Plain Subbasin
Groundwater Sustainability Plan

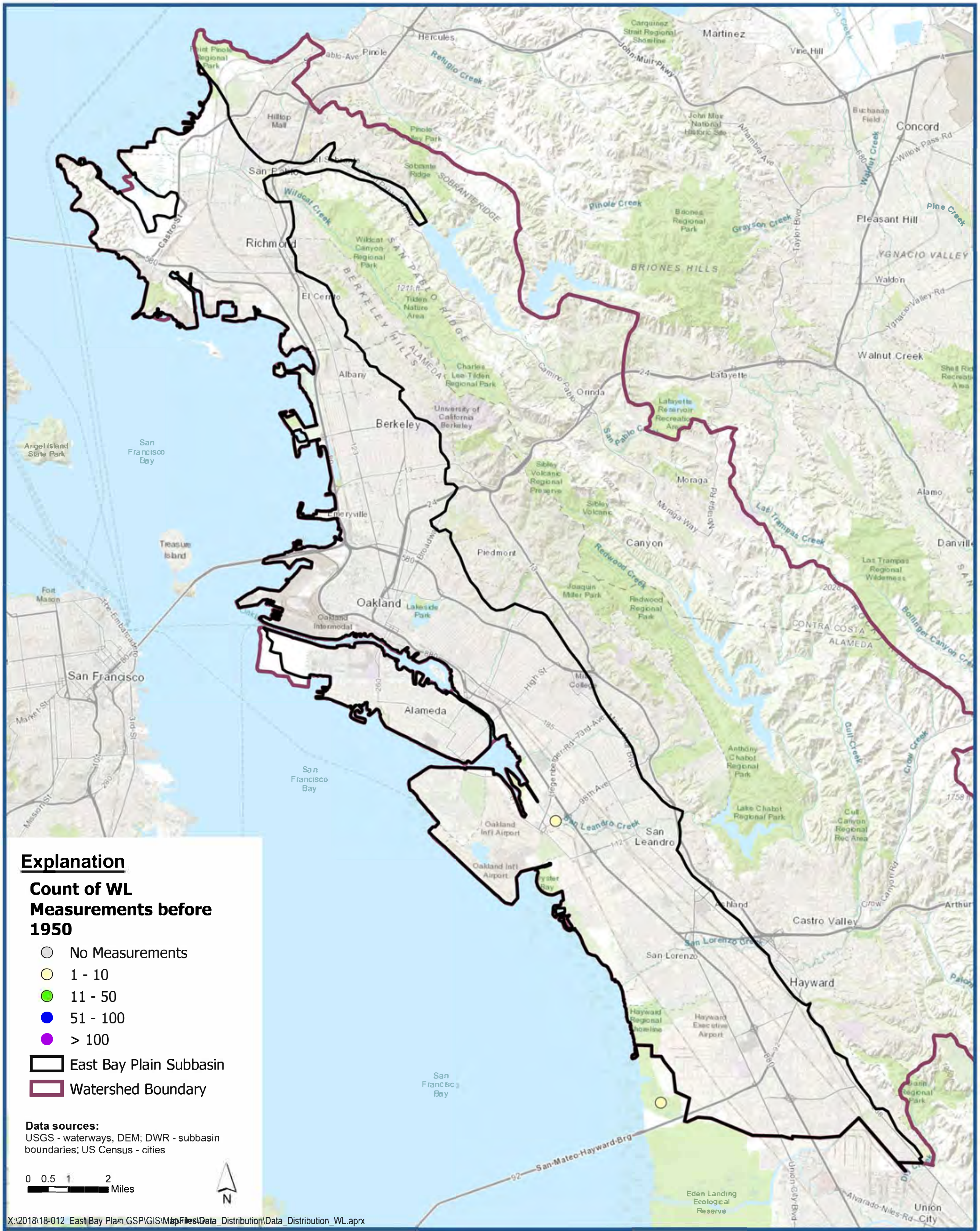
Figure 3-11



Period of Record for Groundwater Level Measurements

East Bay Plain Subbasin
Groundwater Sustainability Plan

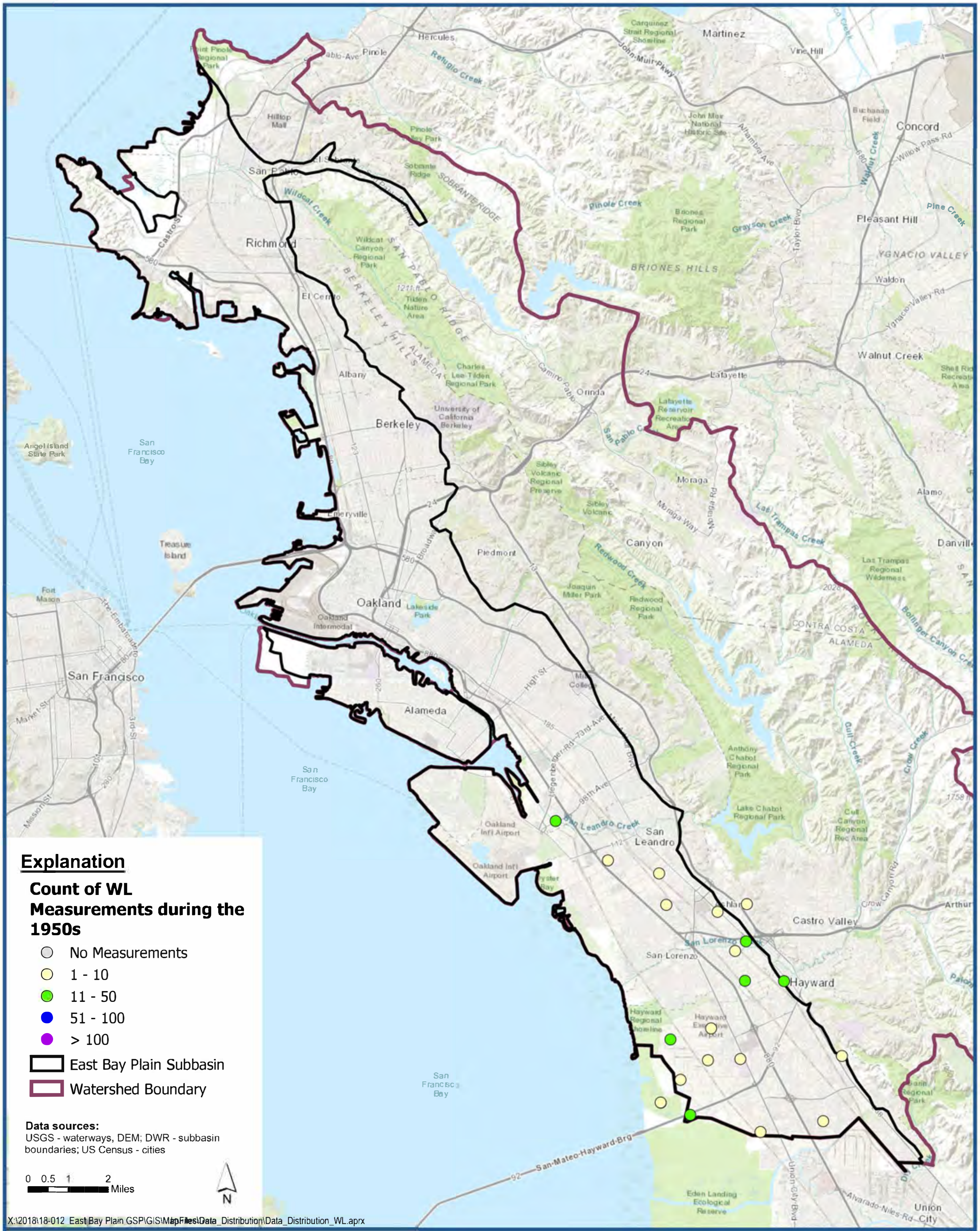
Figure 3-12



Wells with Groundwater Level Measurements Before 1950

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-13



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

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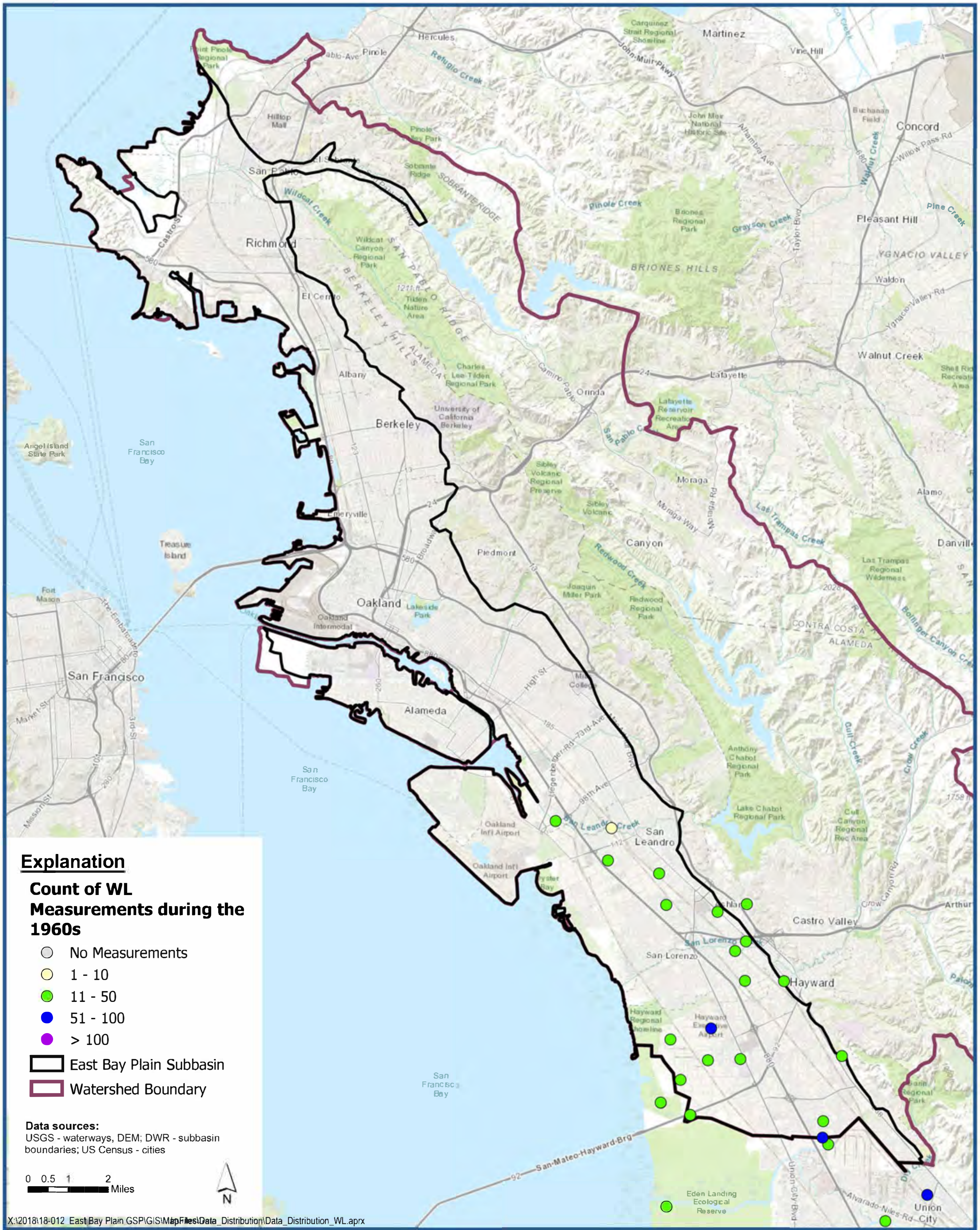
LSCE TEAM

Wells with Groundwater Level Measurements During the 1950s

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-14

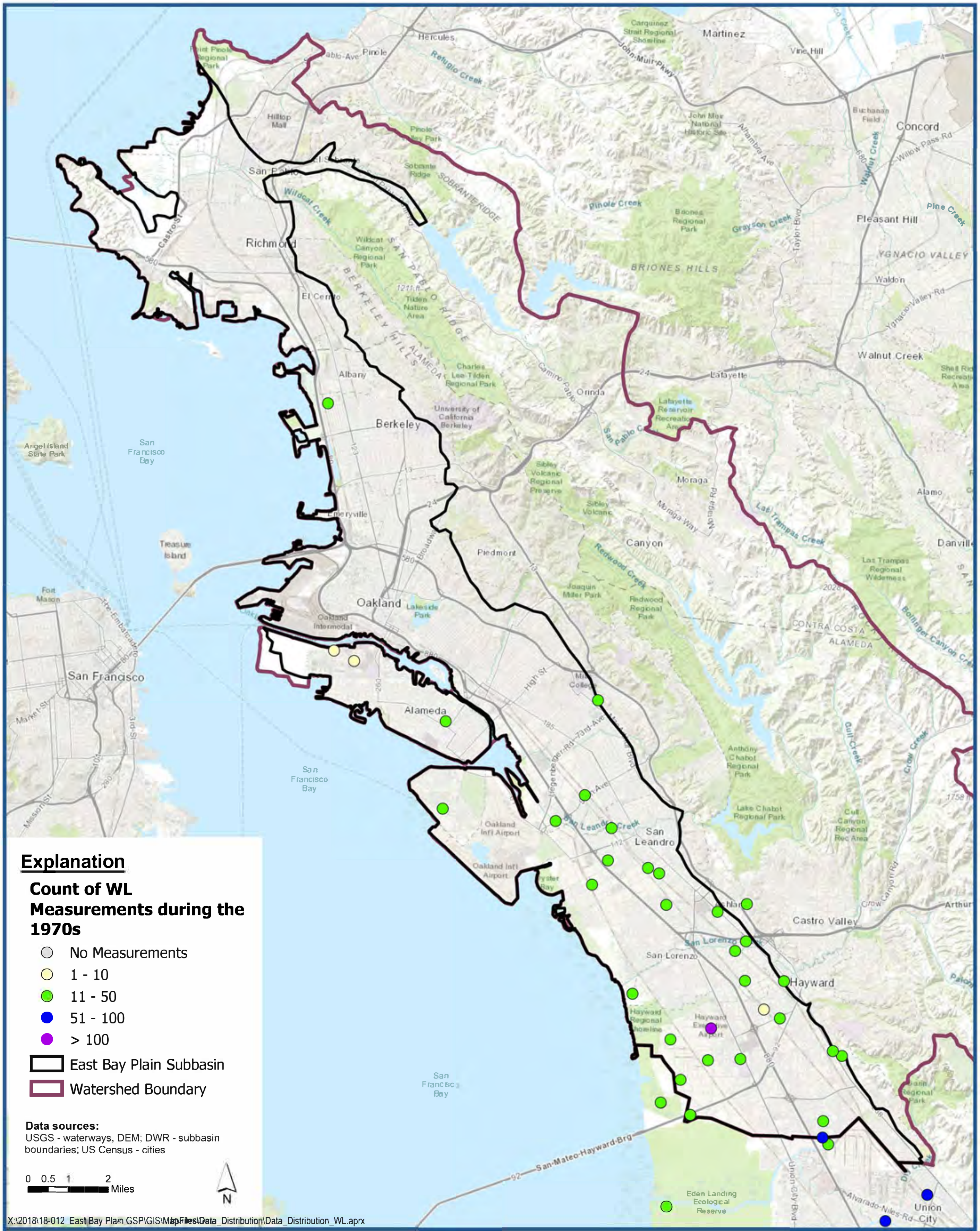


LSCE TEAM

Wells with Groundwater Level Measurements During the 1960s

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-15



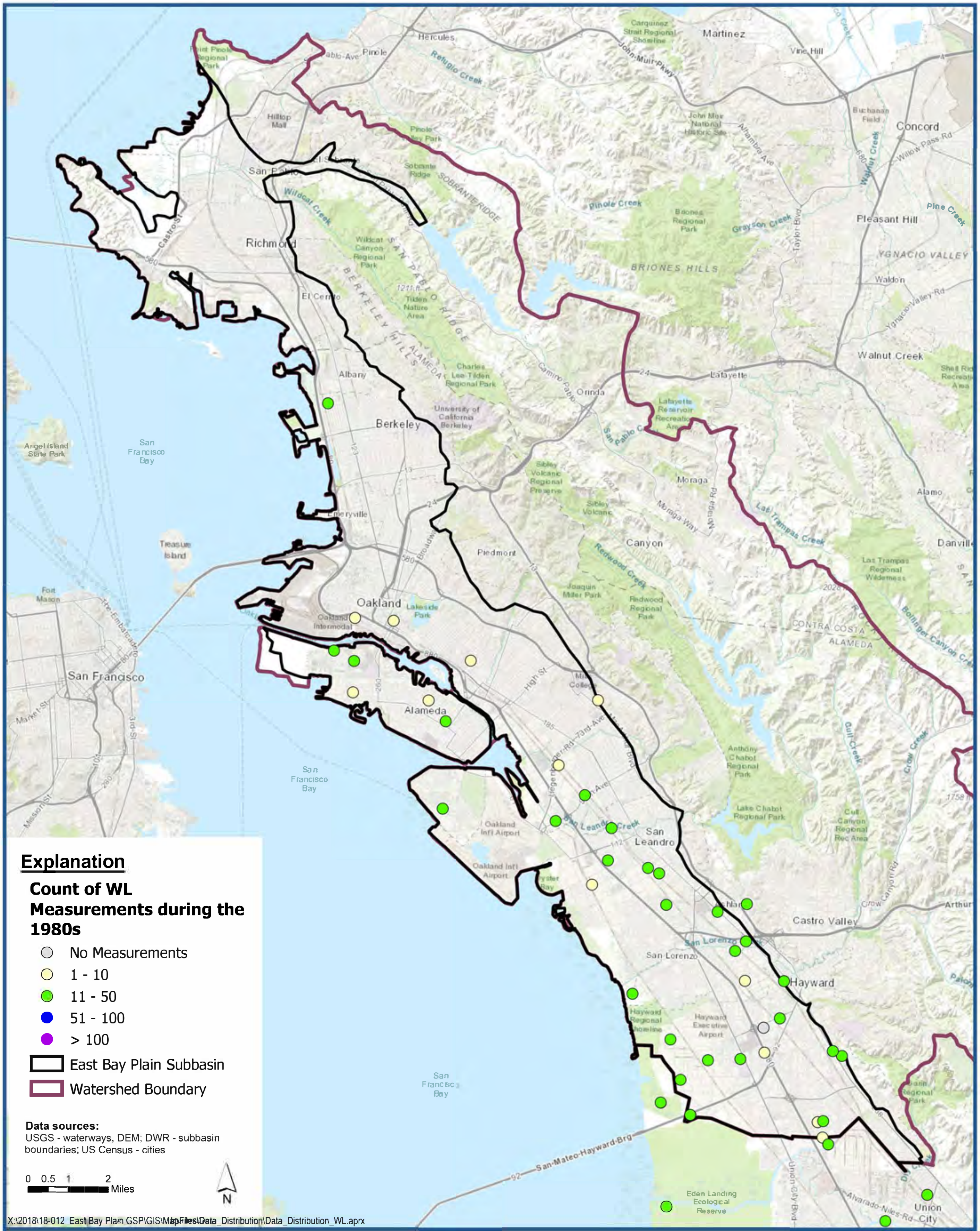
X:\2018\18-012 East Bay Plain GSP\GIS\MapFiles\Data_Distribution\Data_Distribution_WL.aprx

LSCE TEAM

Wells with Groundwater Level Measurements During the 1970s

Figure 3-16

East Bay Plain Subbasin
Groundwater Sustainability Plan

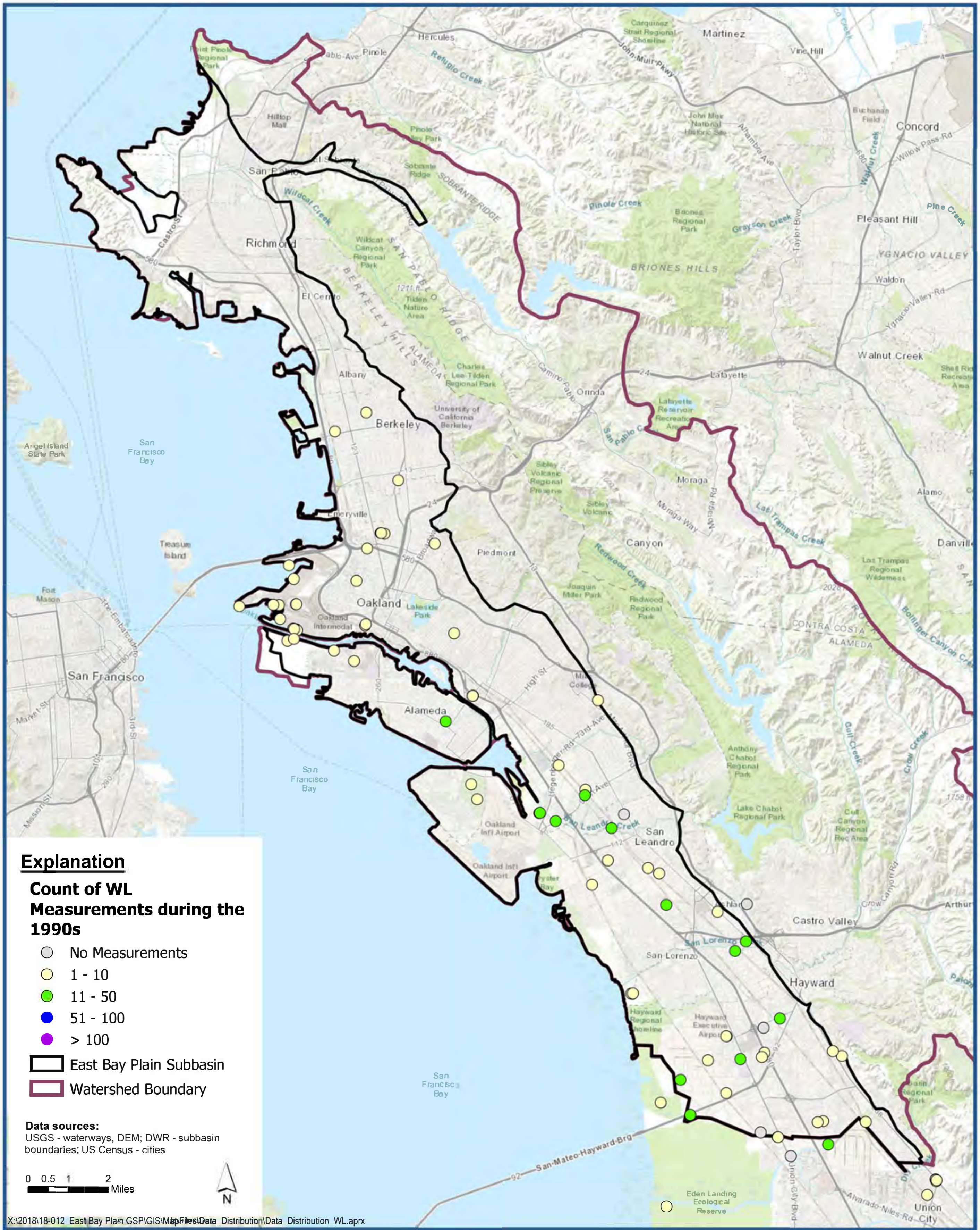


LSCE TEAM

Wells with Groundwater Level Measurements During the 1980s

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-17

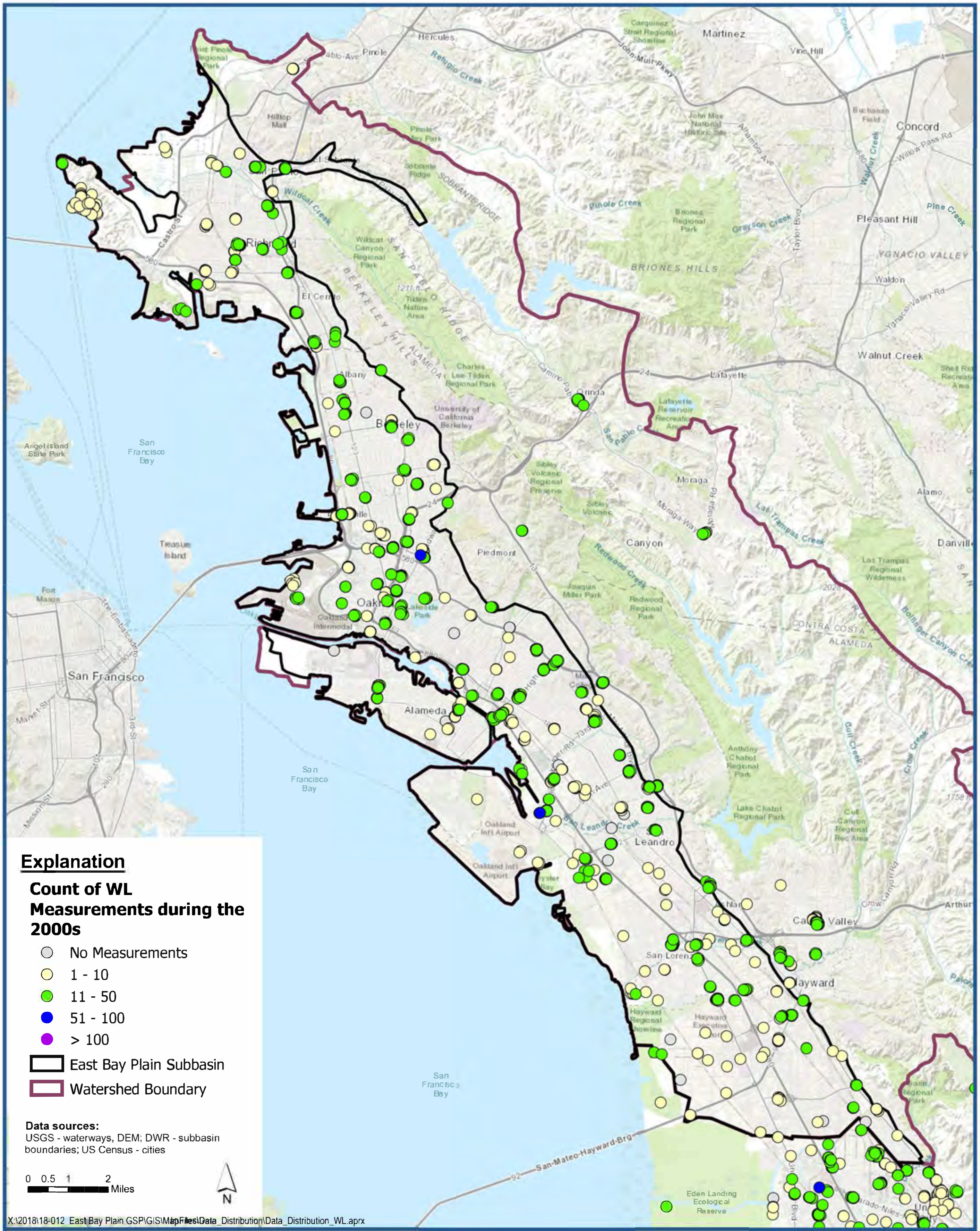


LSCE TEAM

Wells with Groundwater Level Measurements During the 1990s

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-18

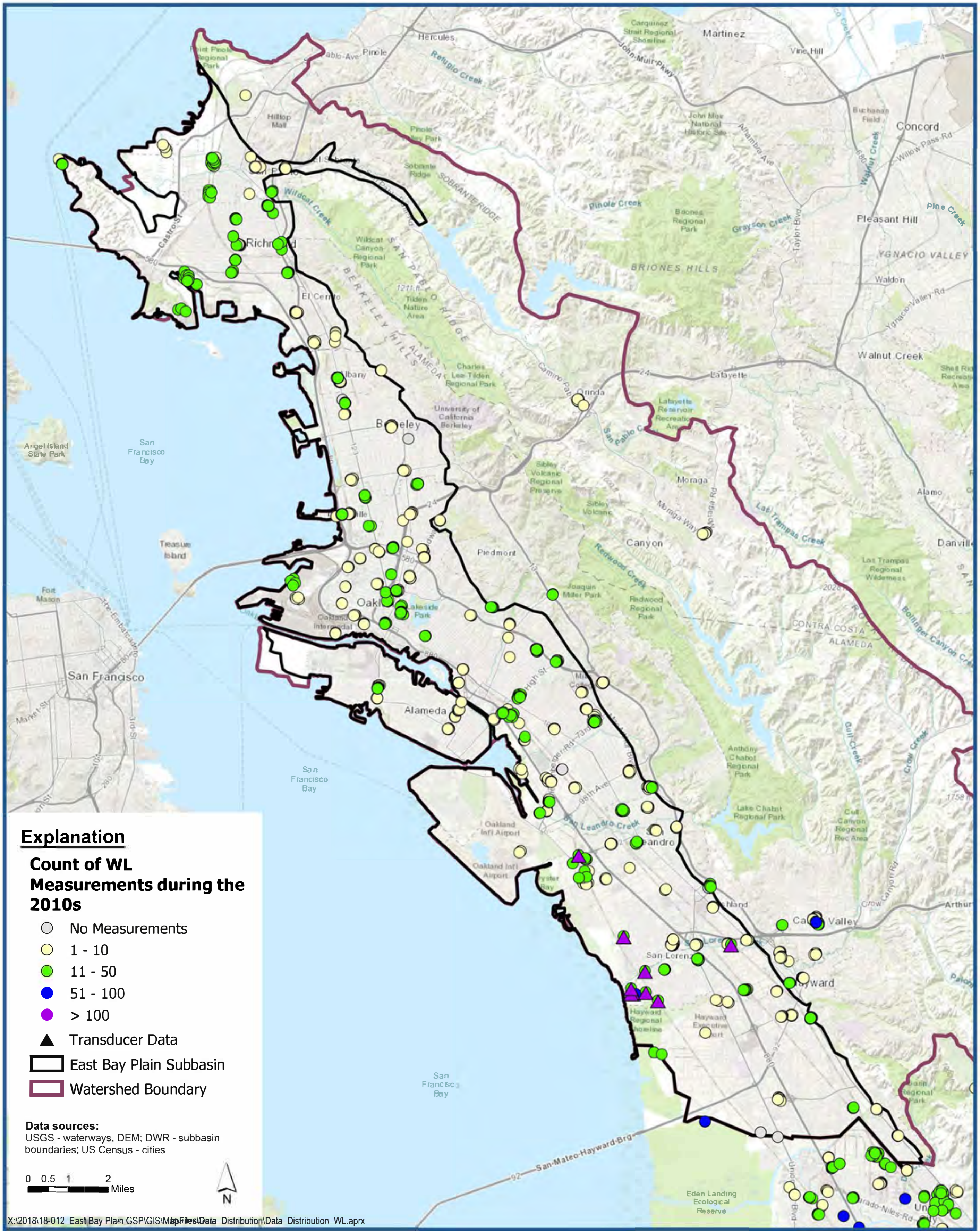


Wells with Groundwater Level Measurements During the 2000s

East Bay Plain Subbasin
Groundwater Sustainability Plan

LSCE TEAM

Figure 3-19



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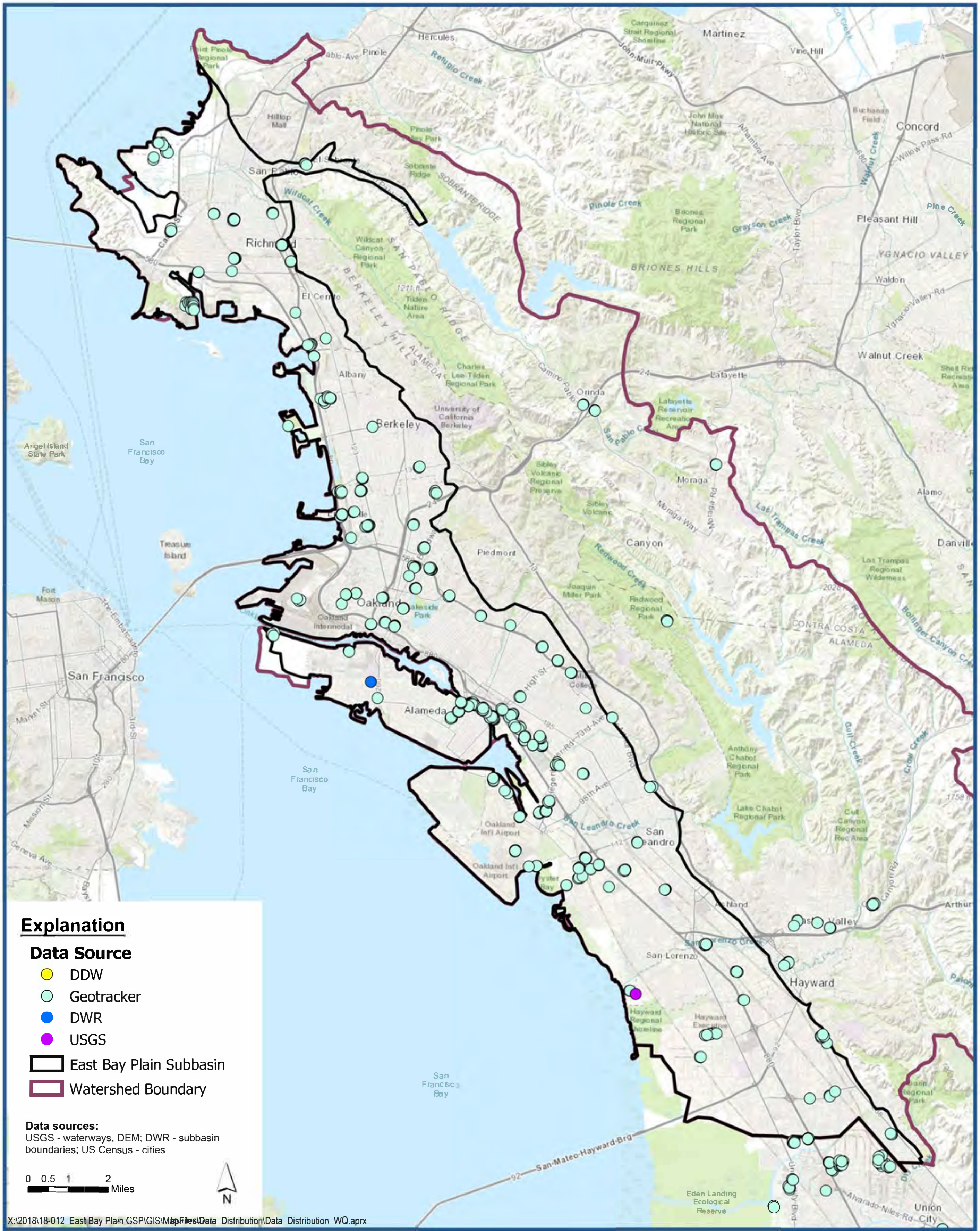
Wells with Groundwater Level Measurements During the 2010s

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-20



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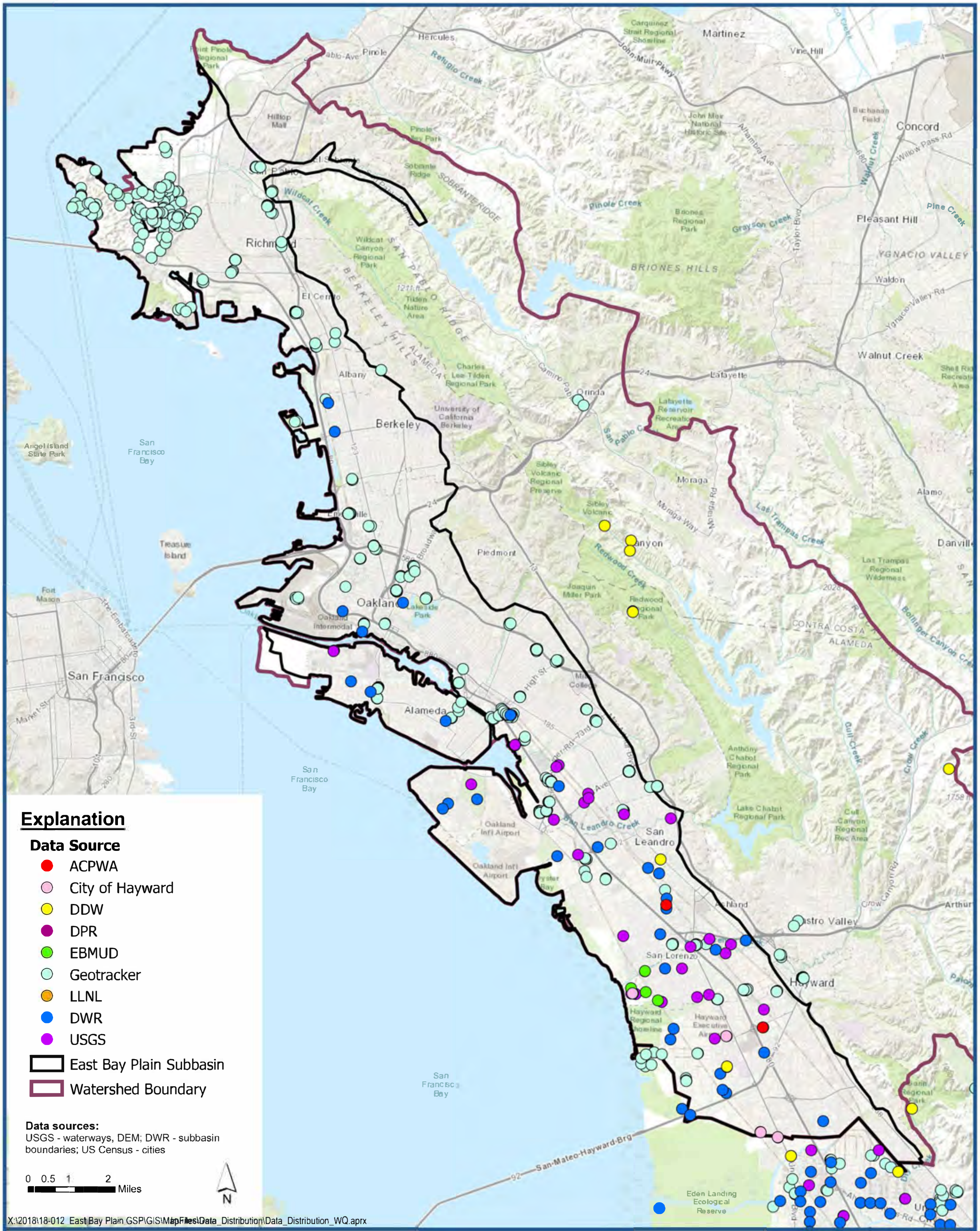
LSCE TEAM

Wells 50 Feet Deep or Less with Groundwater Quality Data

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-21

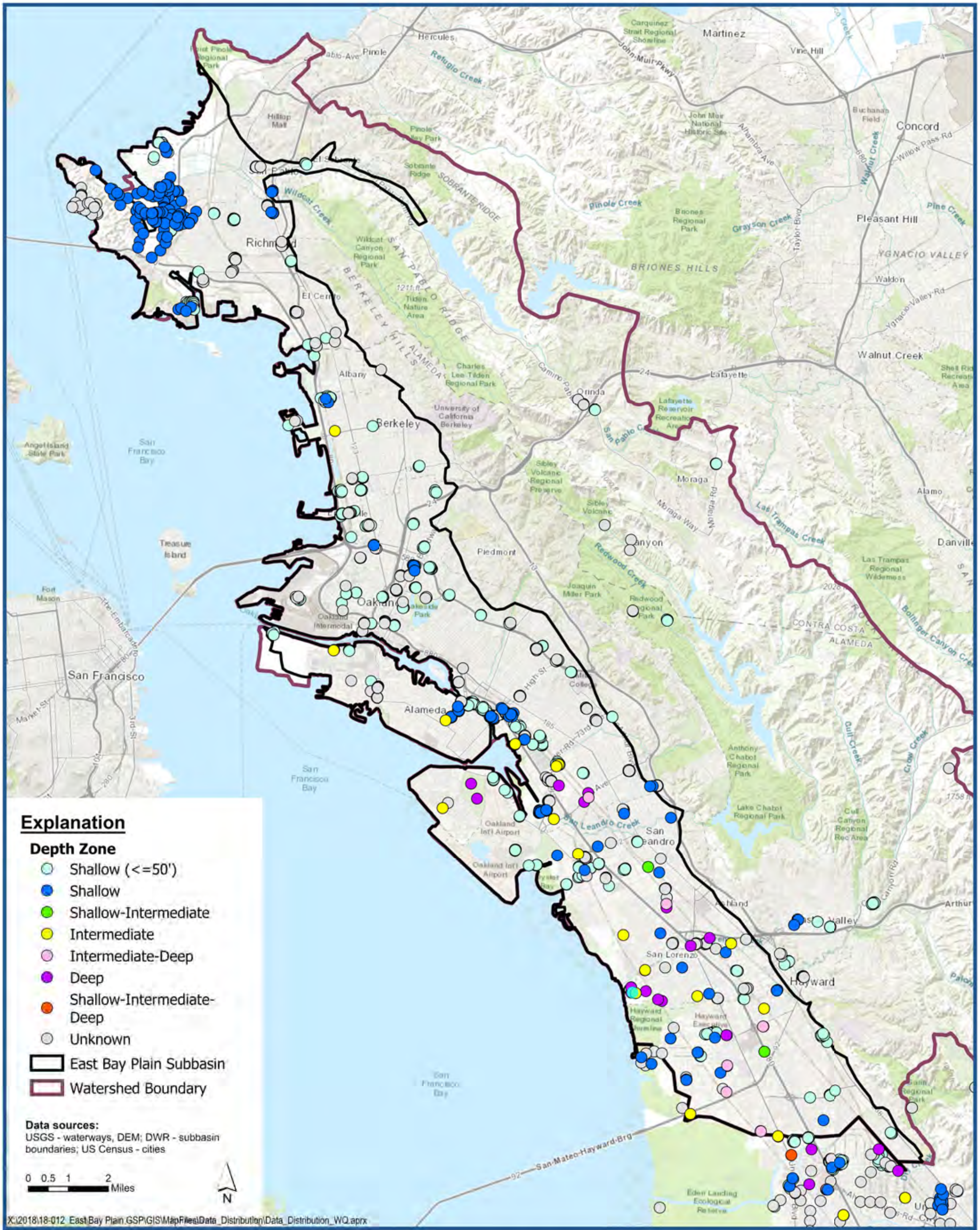


Wells Greater than 50 Feet Deep with Groundwater Quality Data

LSCE TEAM

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-22

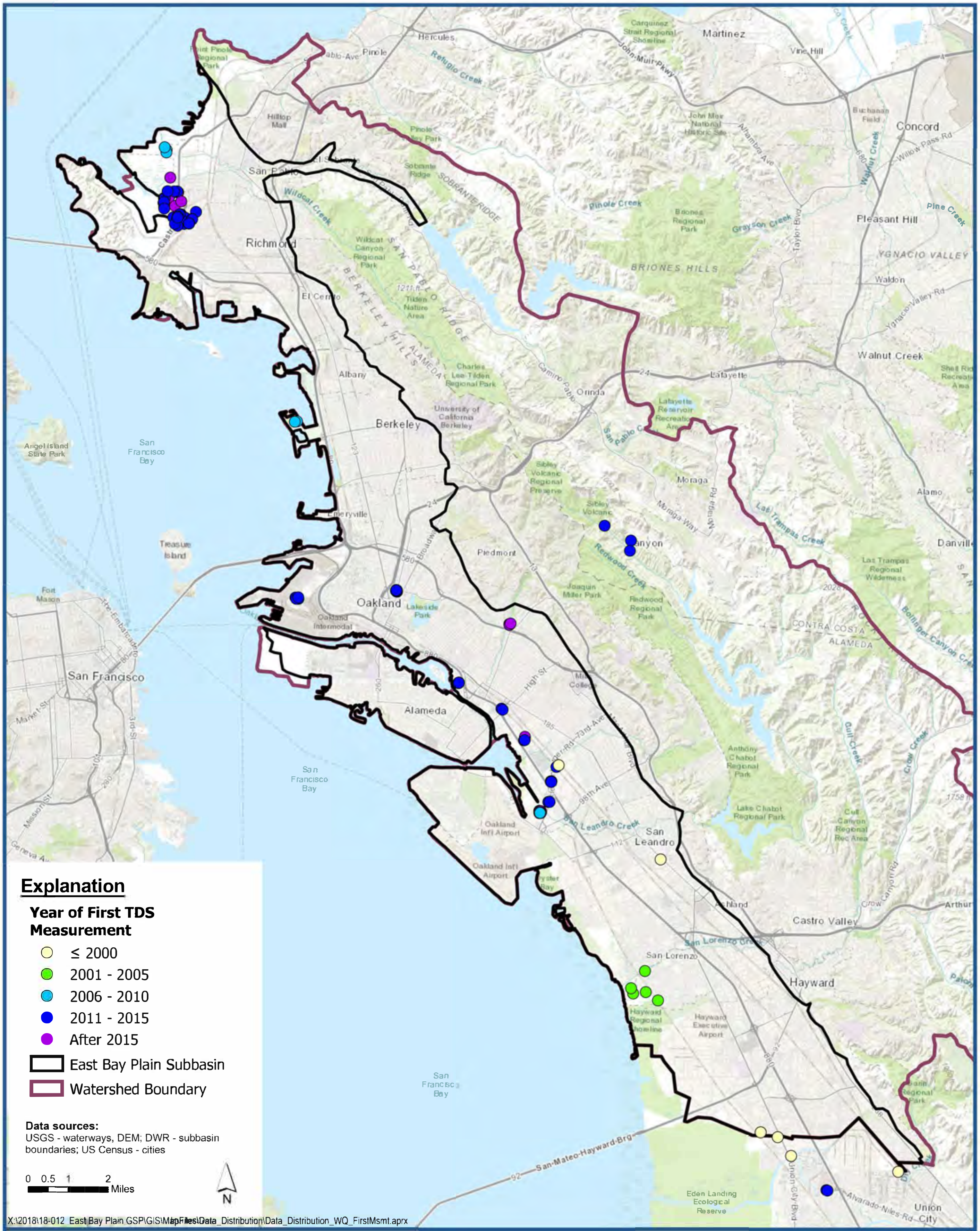


LSCE TEAM

Wells with Groundwater Quality Data by Depth Zone

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-23



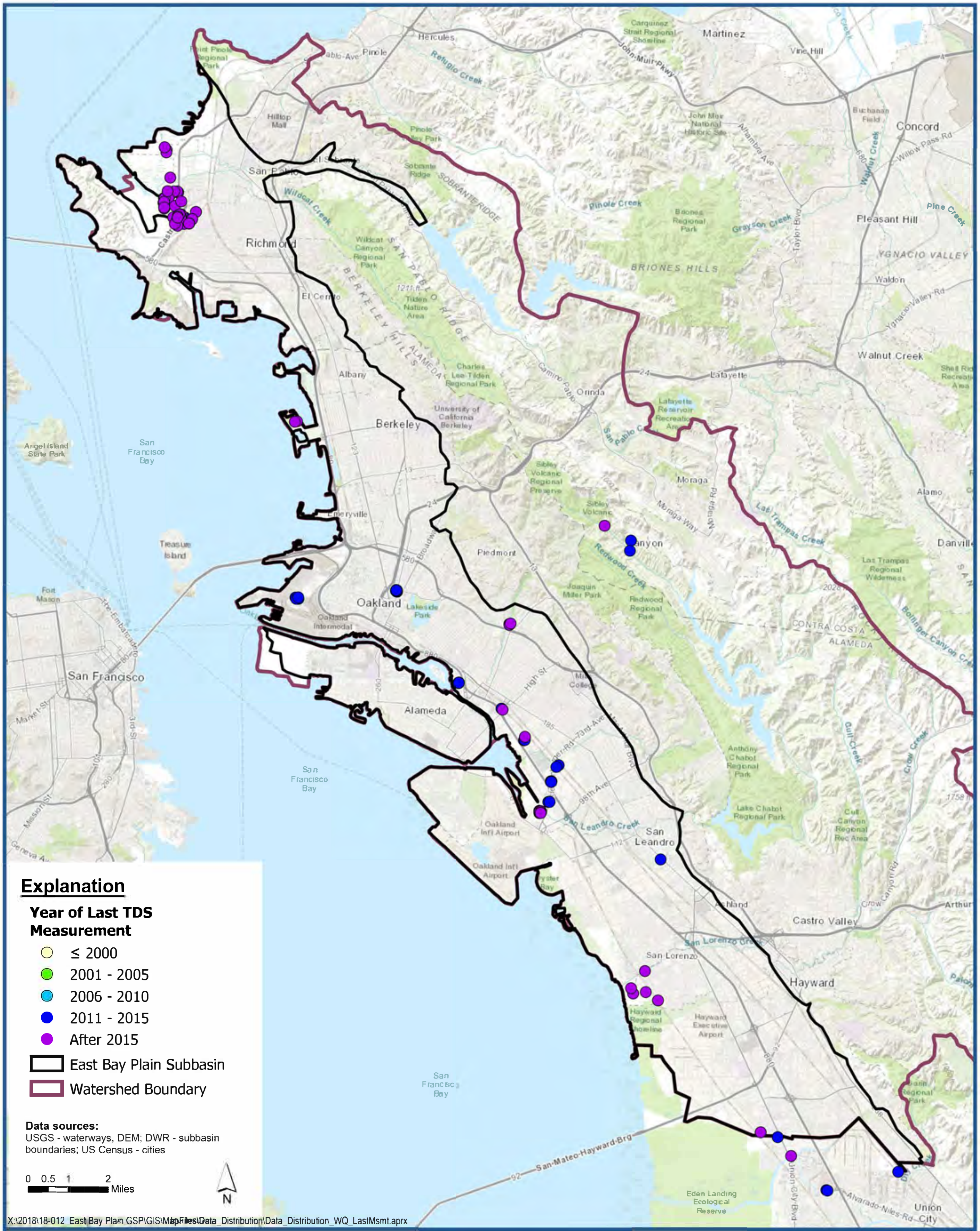
X:\2018\18-012 East Bay Plain GSP\GIS\MapFiles\Data_Distribution\Data_Distribution_WQ_FirstMsmt.aprx

LSCE TEAM

Earliest Total Dissolved Solids (TDS) Measurement for Wells Deeper than 50 Feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-24

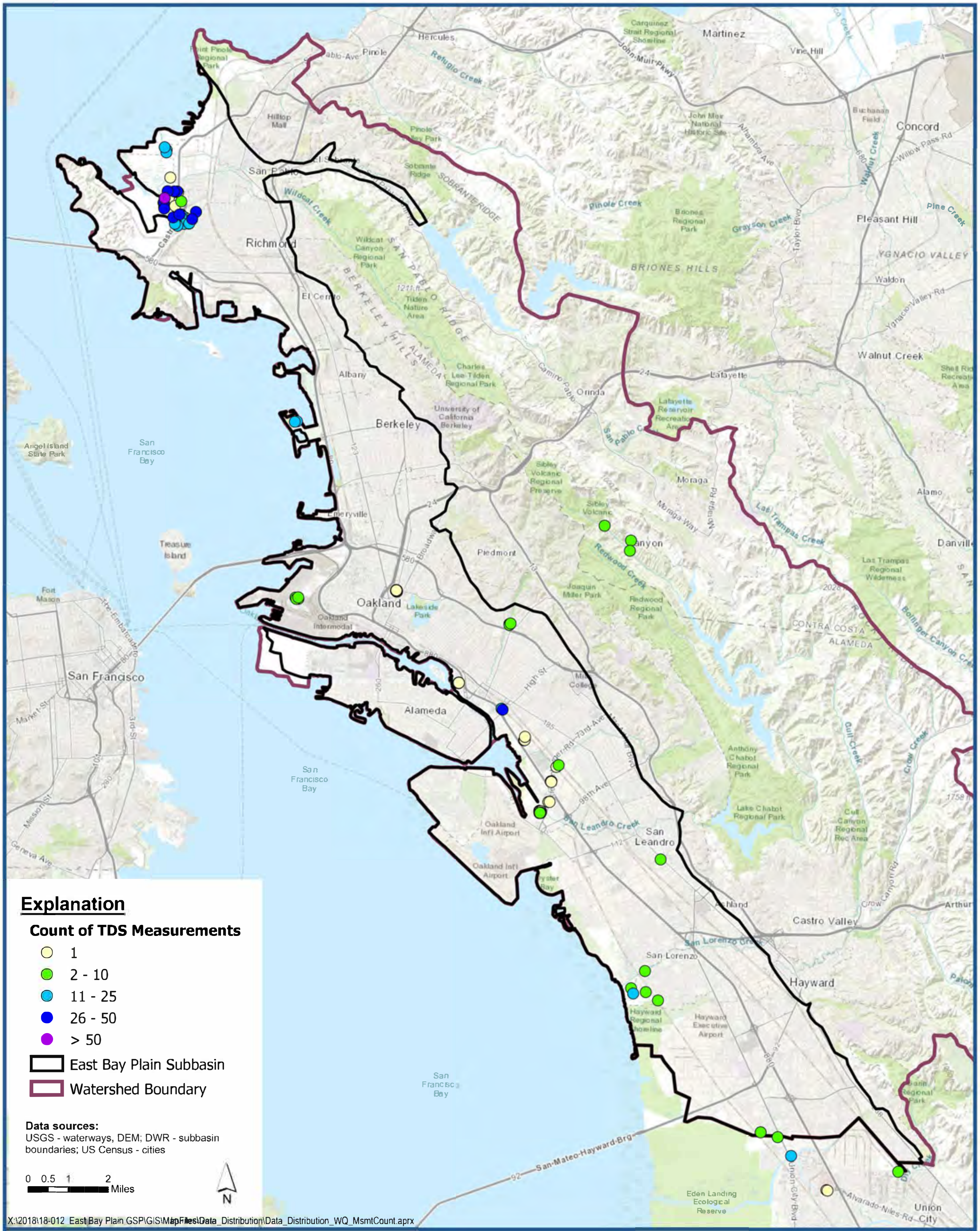


LSCE TEAM

Most Recent Total Dissolved Solids (TDS) Measurement for Wells Deeper than 50 Feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

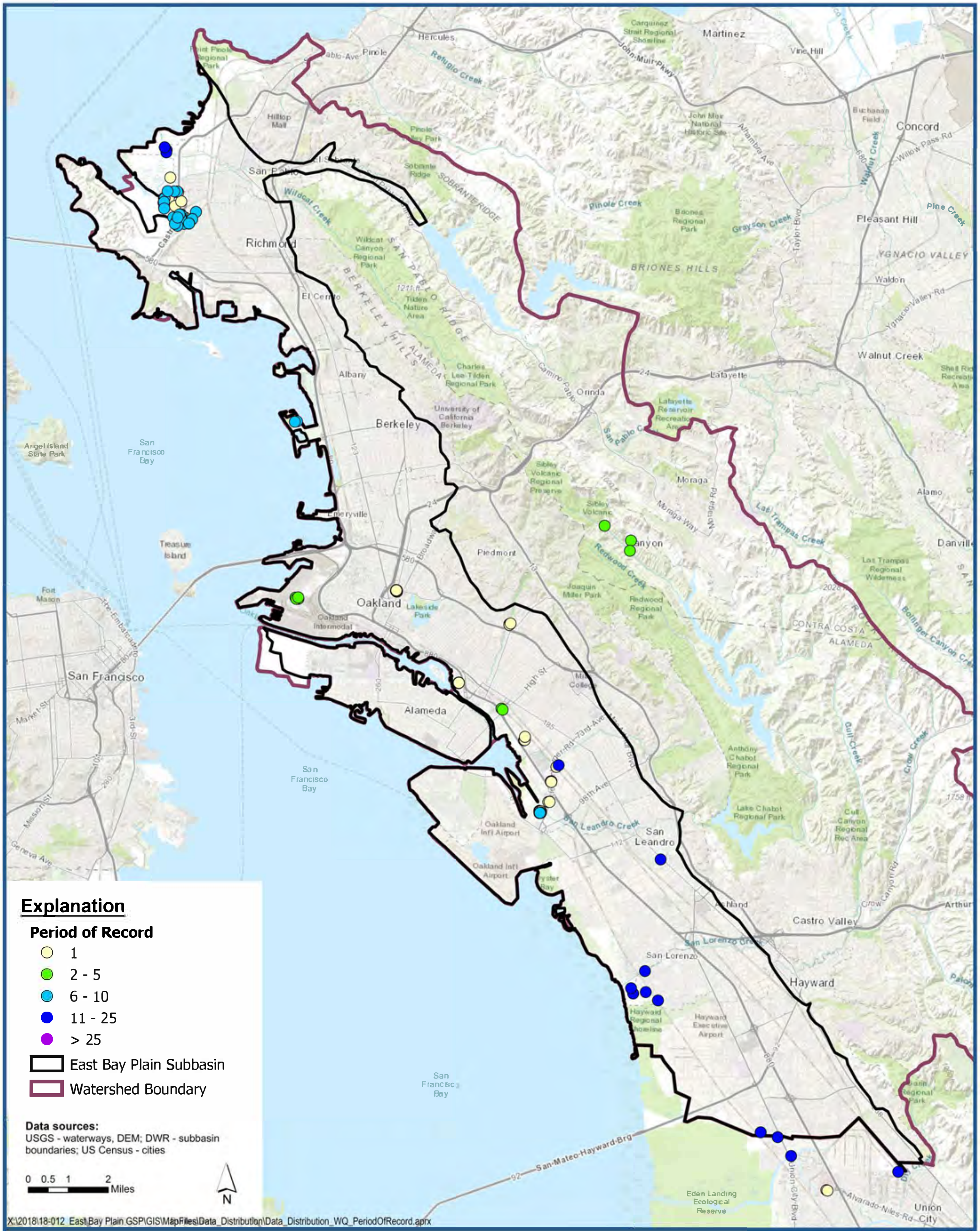
Figure 3-25



Count of Total Dissolved Solids (TDS) Measurements for Wells Deeper than 50 Feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-26

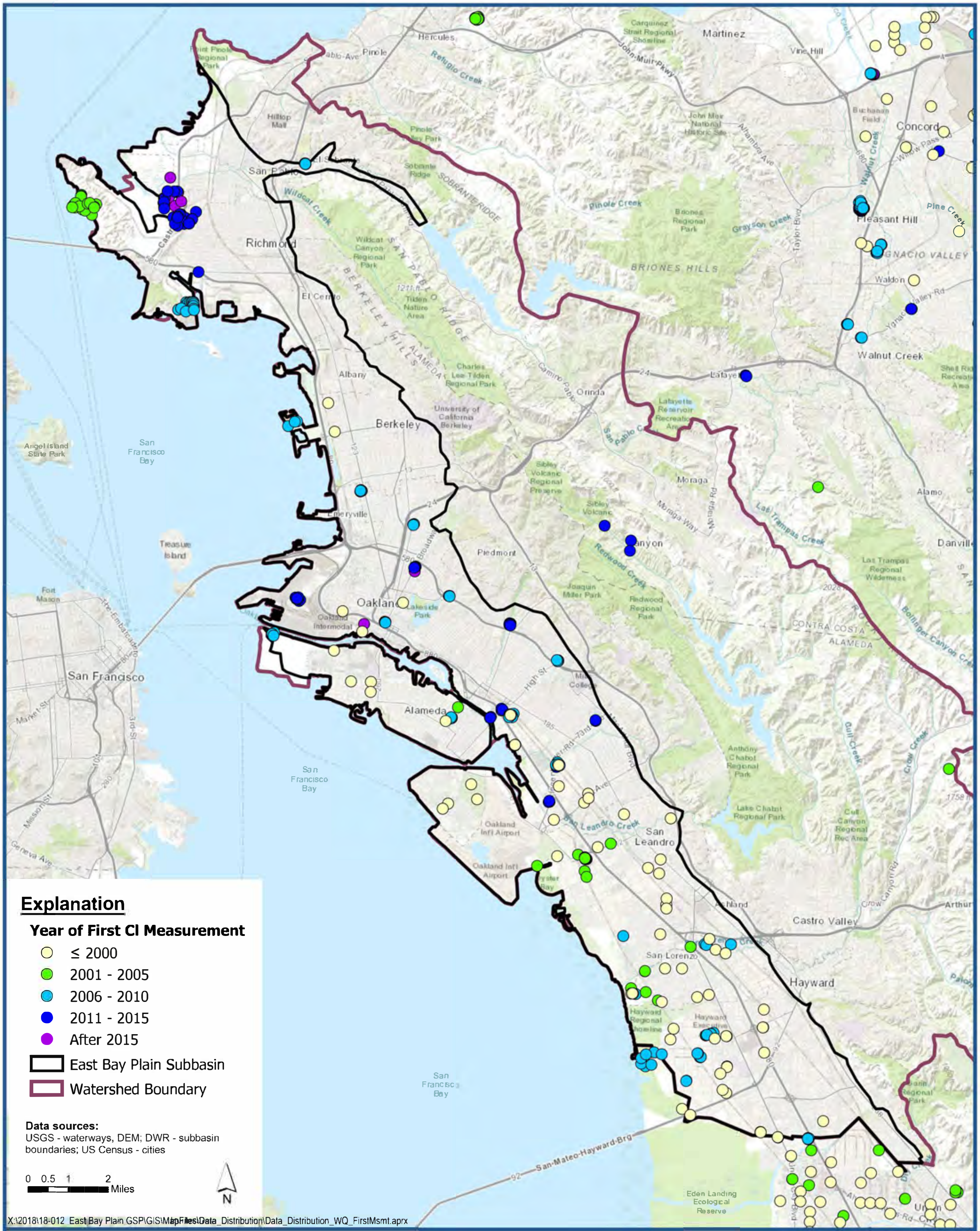


LSCE TEAM

Period of Record for Total Dissolved Solids (TDS) Measurements for Wells Deeper than 50 Feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-27

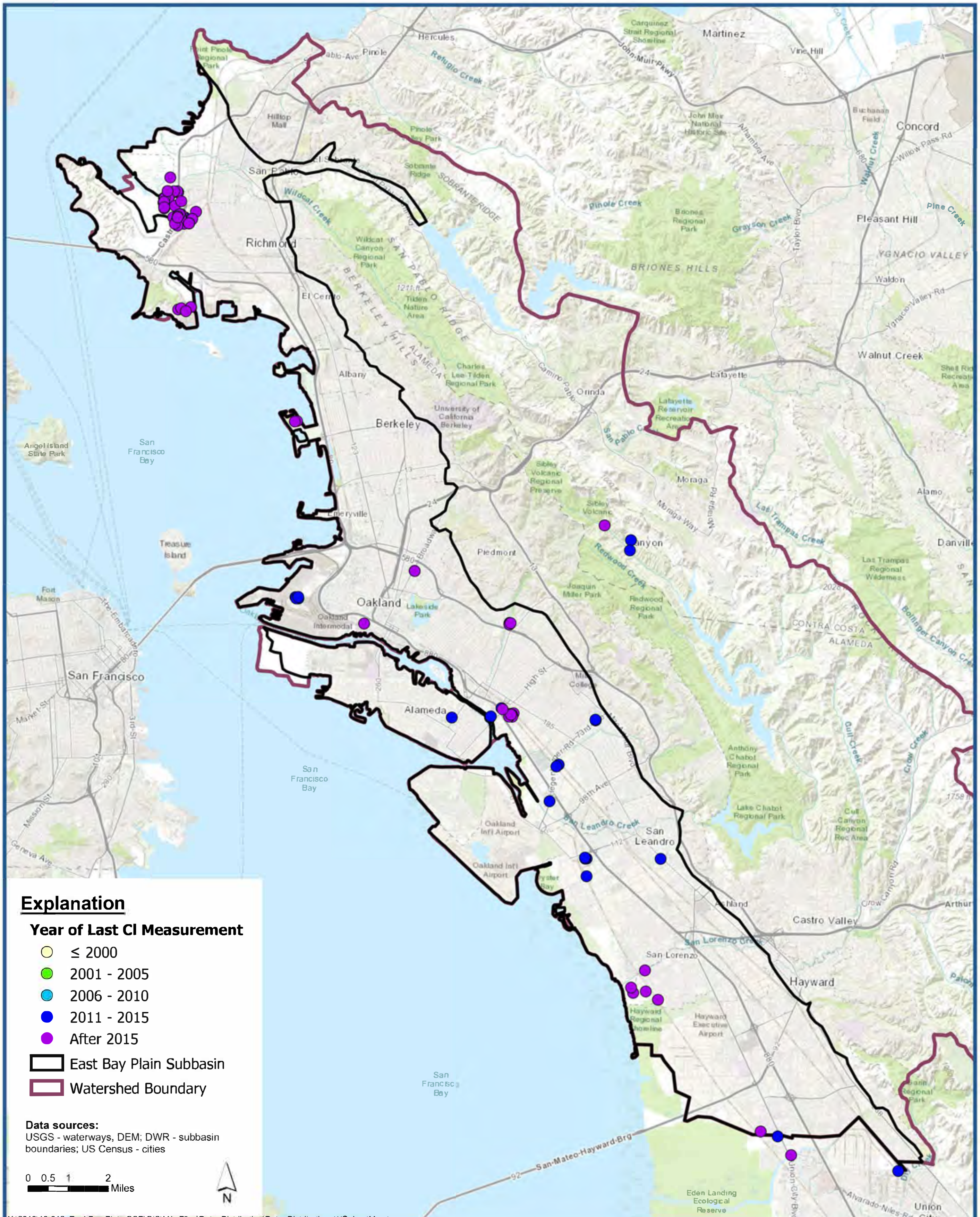


LSCE TEAM

Earliest Chloride (Cl) Measurement for Wells Deeper than 50 Feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-28



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

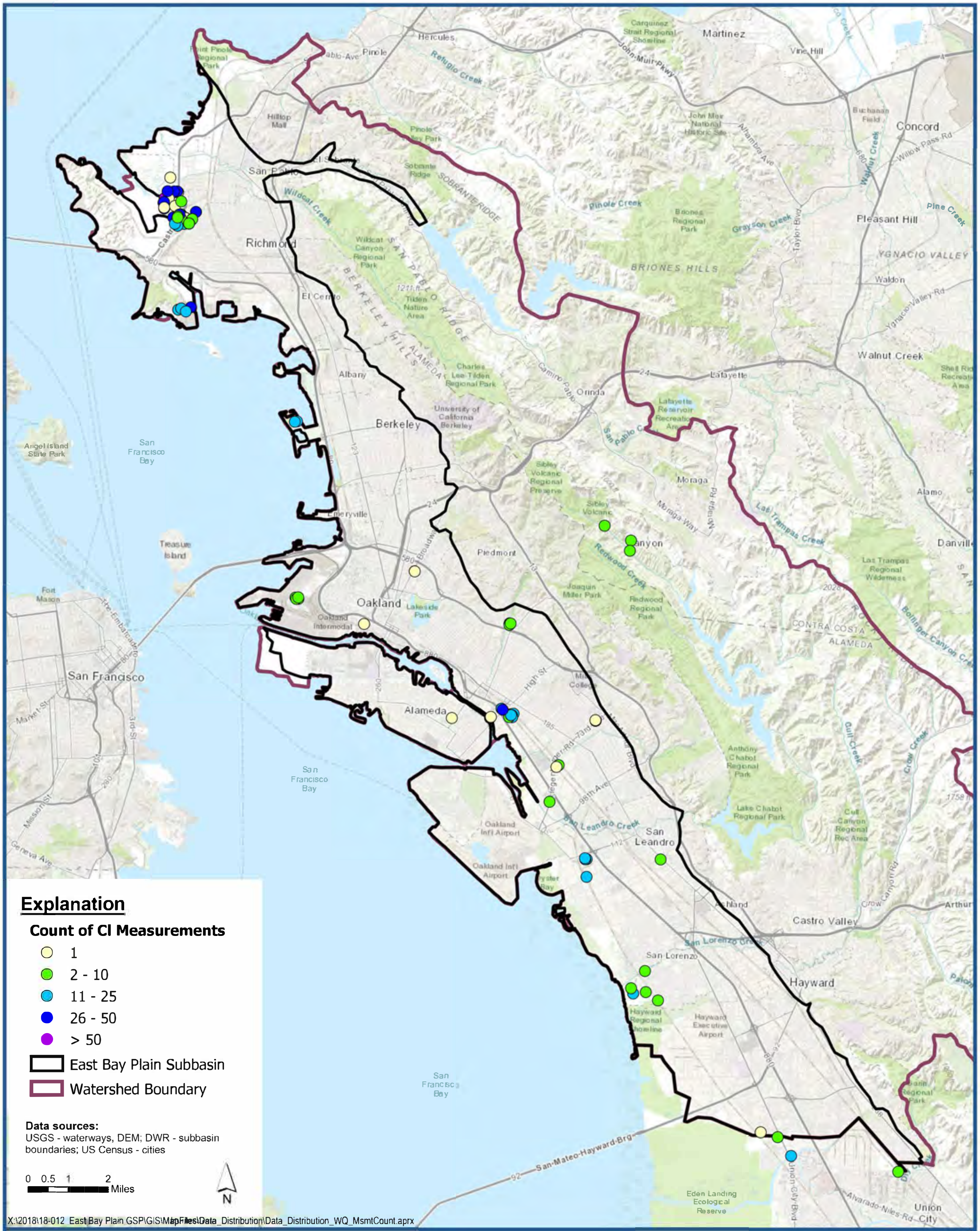
X:\2018\18-012_East Bay Plain GSP\GIS\MapFiles\Data_Distribution\Data_Distribution_WQ_LastMsmt.aprx

LSCE TEAM

Most Recent Chloride (Cl) Measurement for Wells Deeper than 50 Feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-29

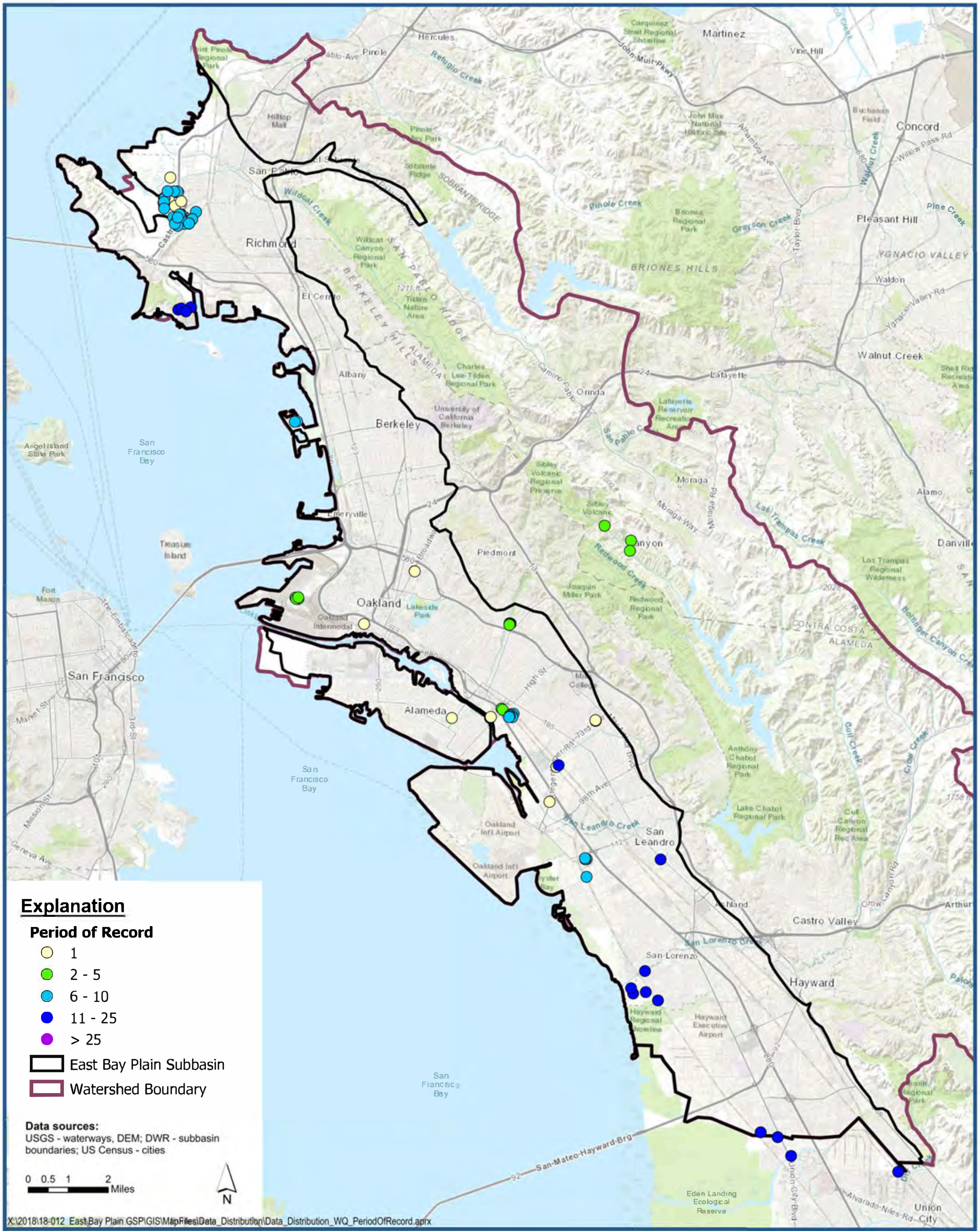


LSCE TEAM

Count of Chloride (Cl) Measurements for Wells Deeper than 50 Feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-30

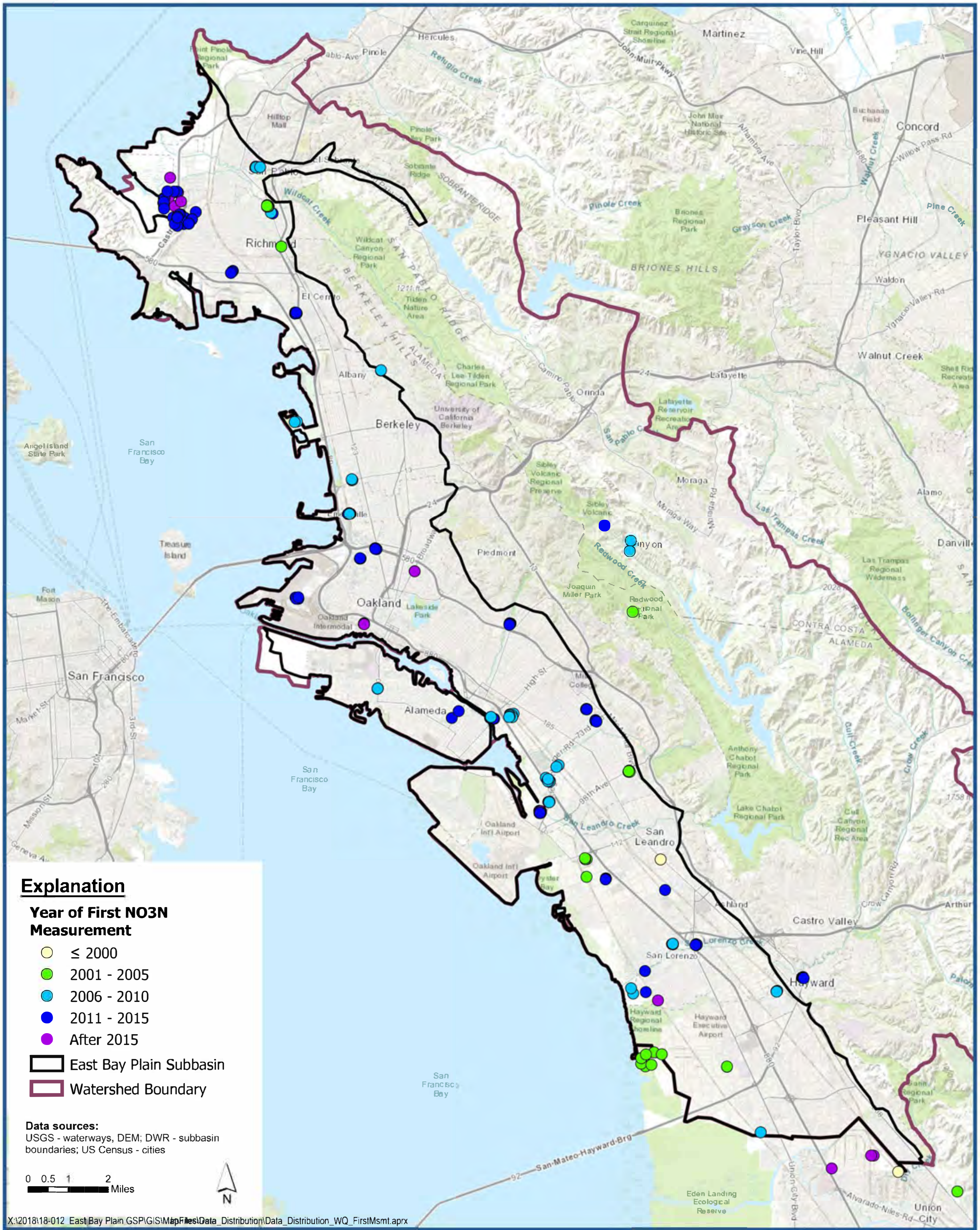


Period of Record for Chloride (Cl) Measurements for Wells Deeper than 50 Feet

LSCE TEAM

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-31



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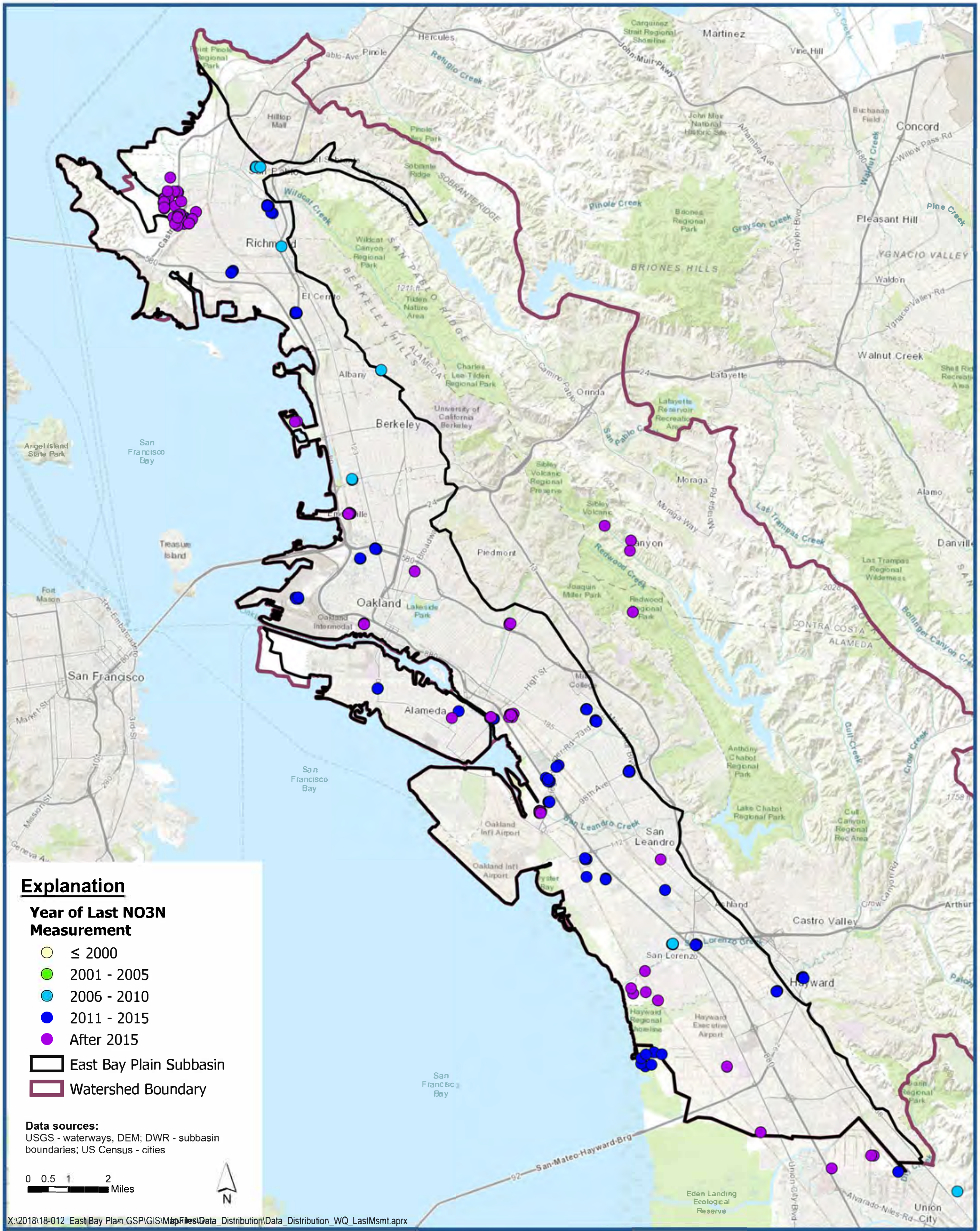
LSCE TEAM

Earliest Nitrate (NO3N) Measurement for Wells Deeper than 50 Feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-32



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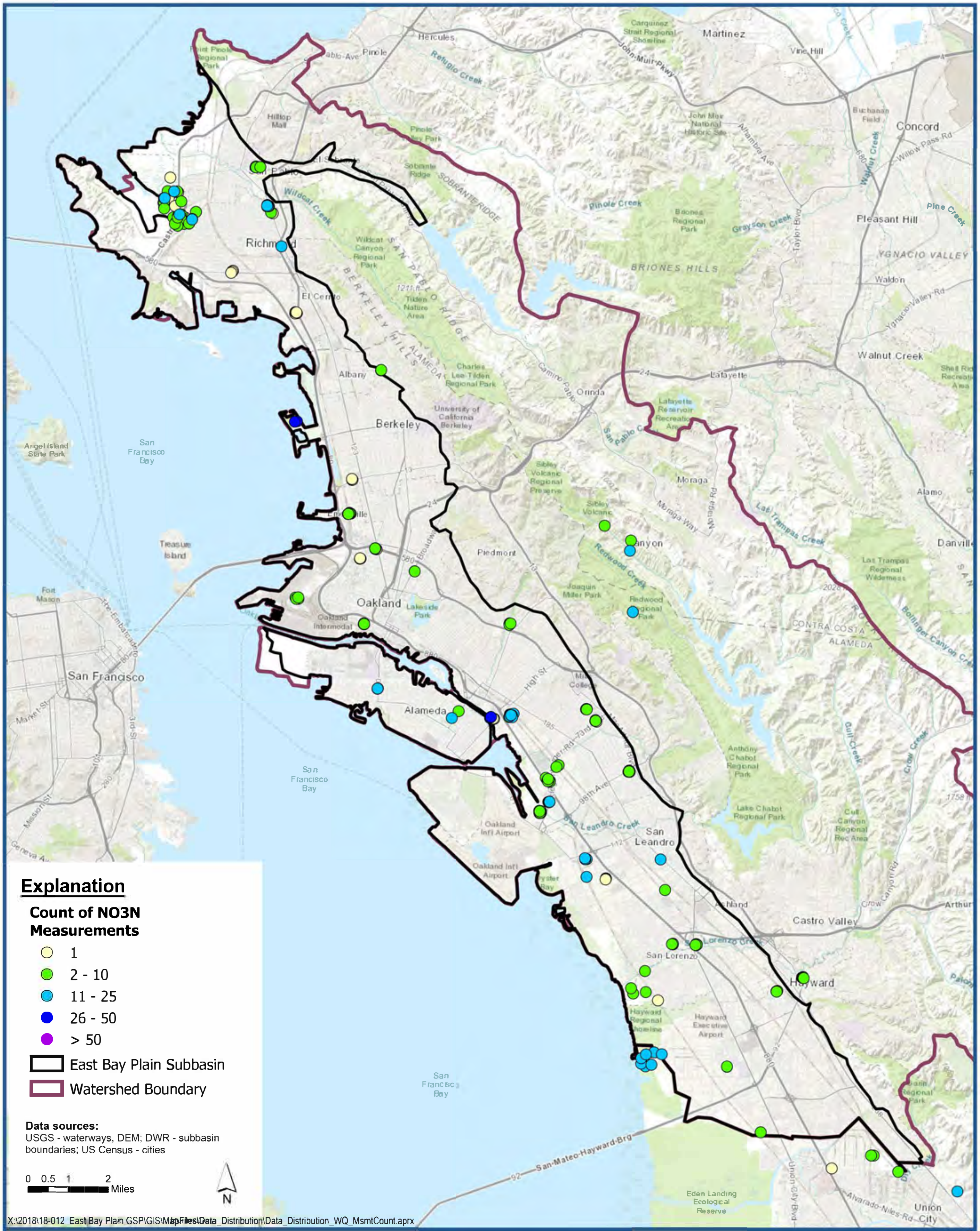
LSCE TEAM

Most Recent Nitrate (NO3N) Measurement for Wells Deeper than 50 Feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-33



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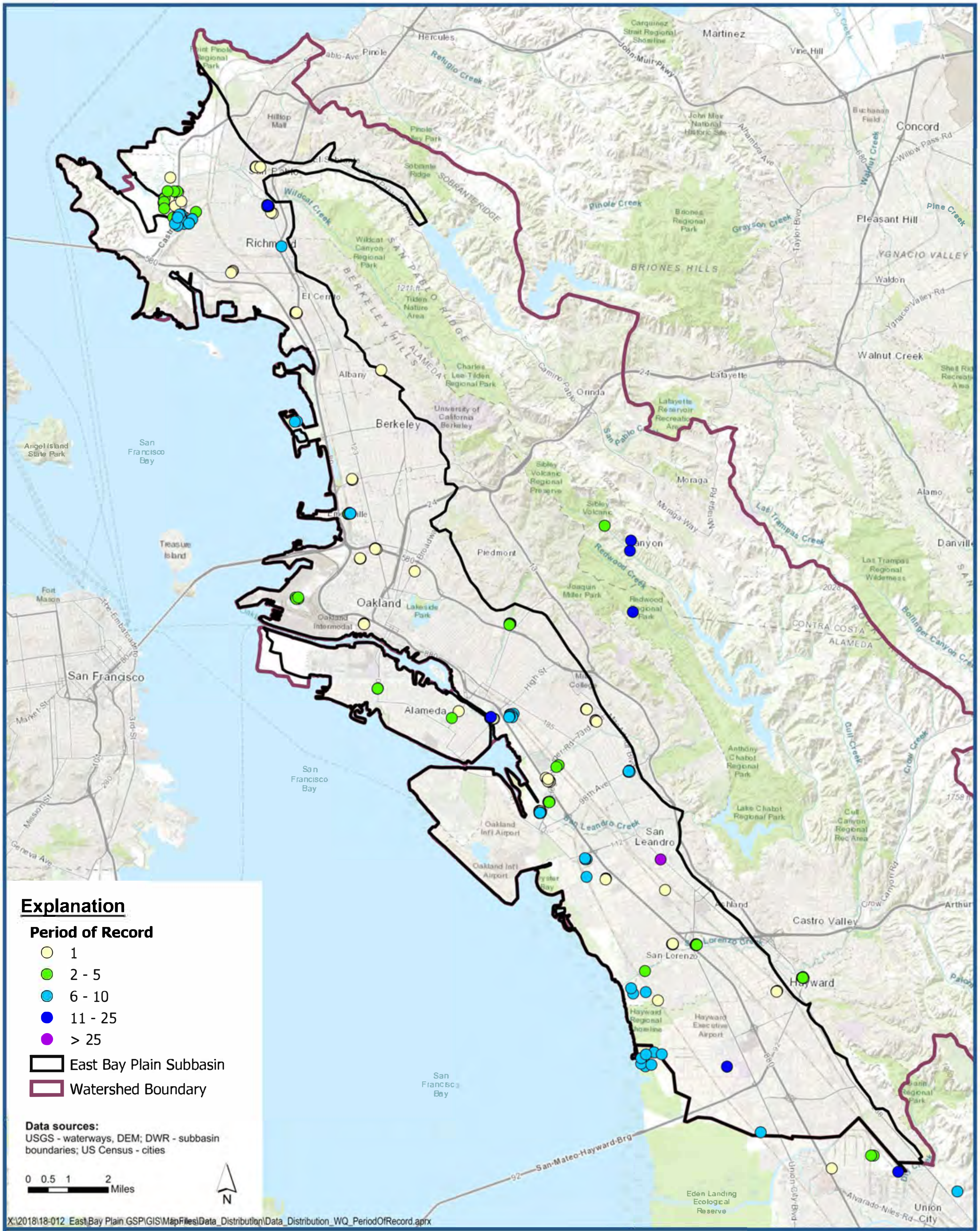
LSCE TEAM

Count of Nitrate (NO3N) Measurements for Wells Deeper than 50 Feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-34

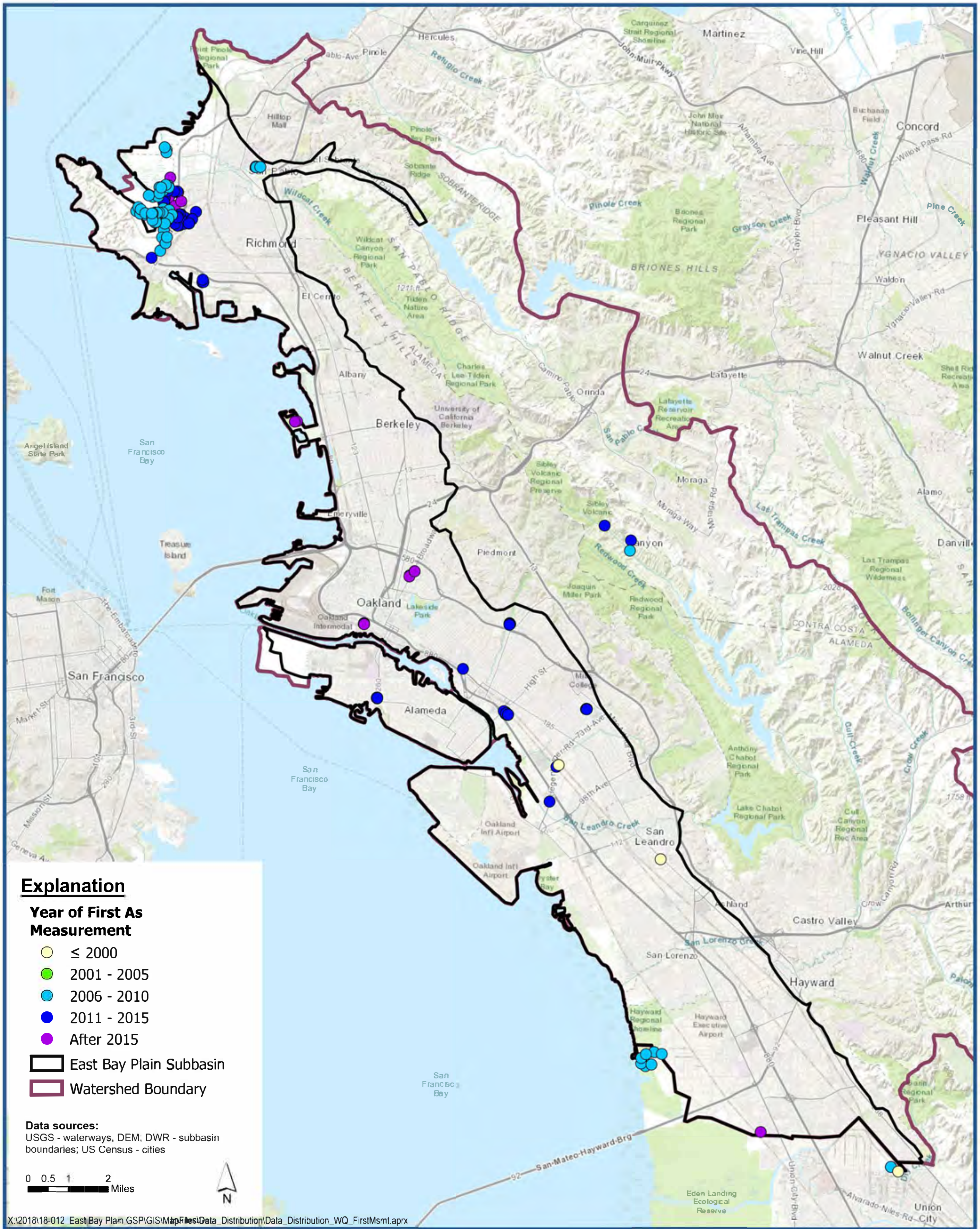


LSCE TEAM

Period of Record for Nitrate (NO3N) Measurements for Wells Deeper than 50 Feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-35

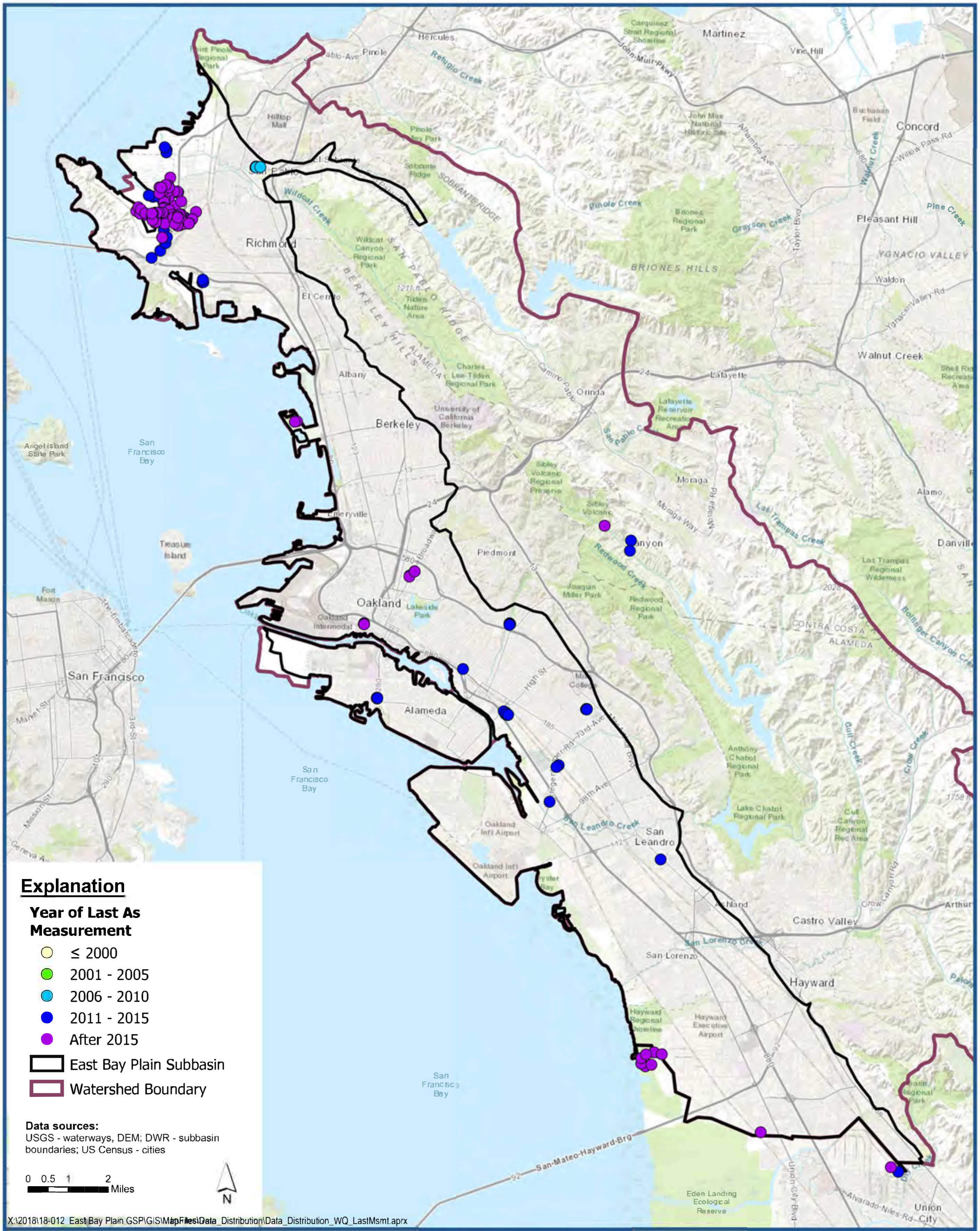


Earliest Arsenic (As) Measurement for Wells Deeper than 50 Feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

LSCE TEAM

Figure 3-36

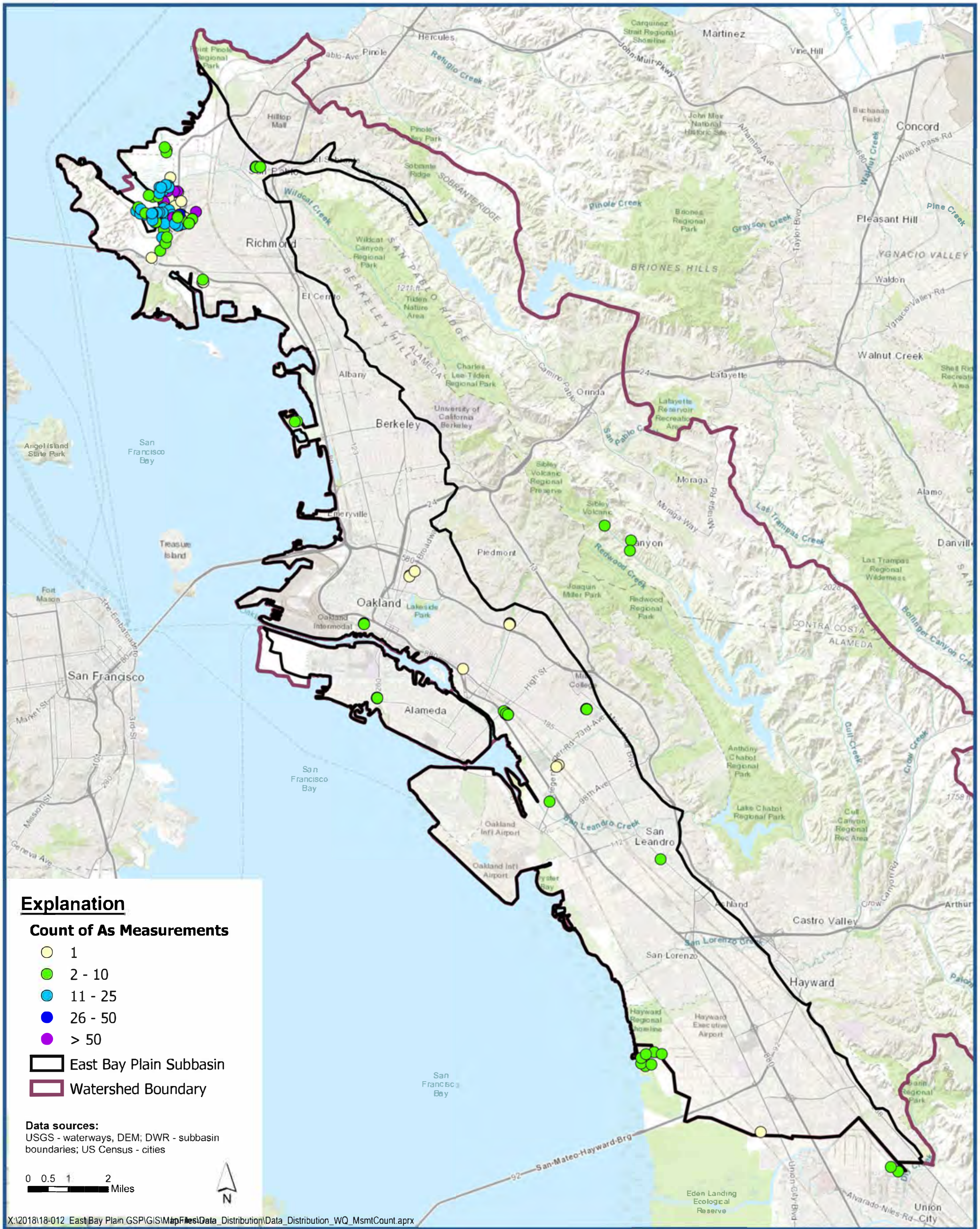


Most Recent Arsenic (As) Measurement for Wells Deeper than 50 Feet

LSCE TEAM

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-37

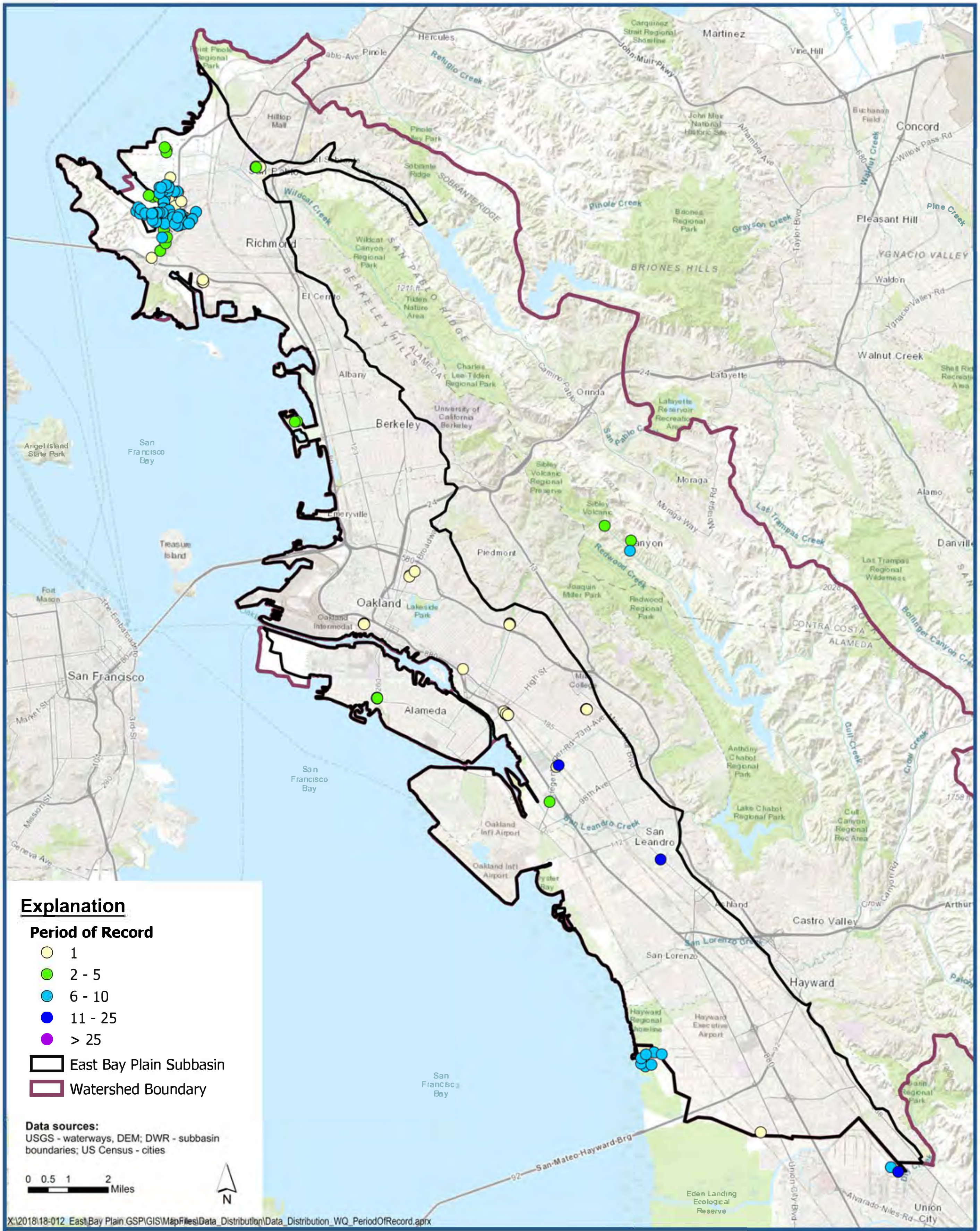


Count of Arsenic (As) Measurements for Wells Deeper than 50 Feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-38

LSCE TEAM

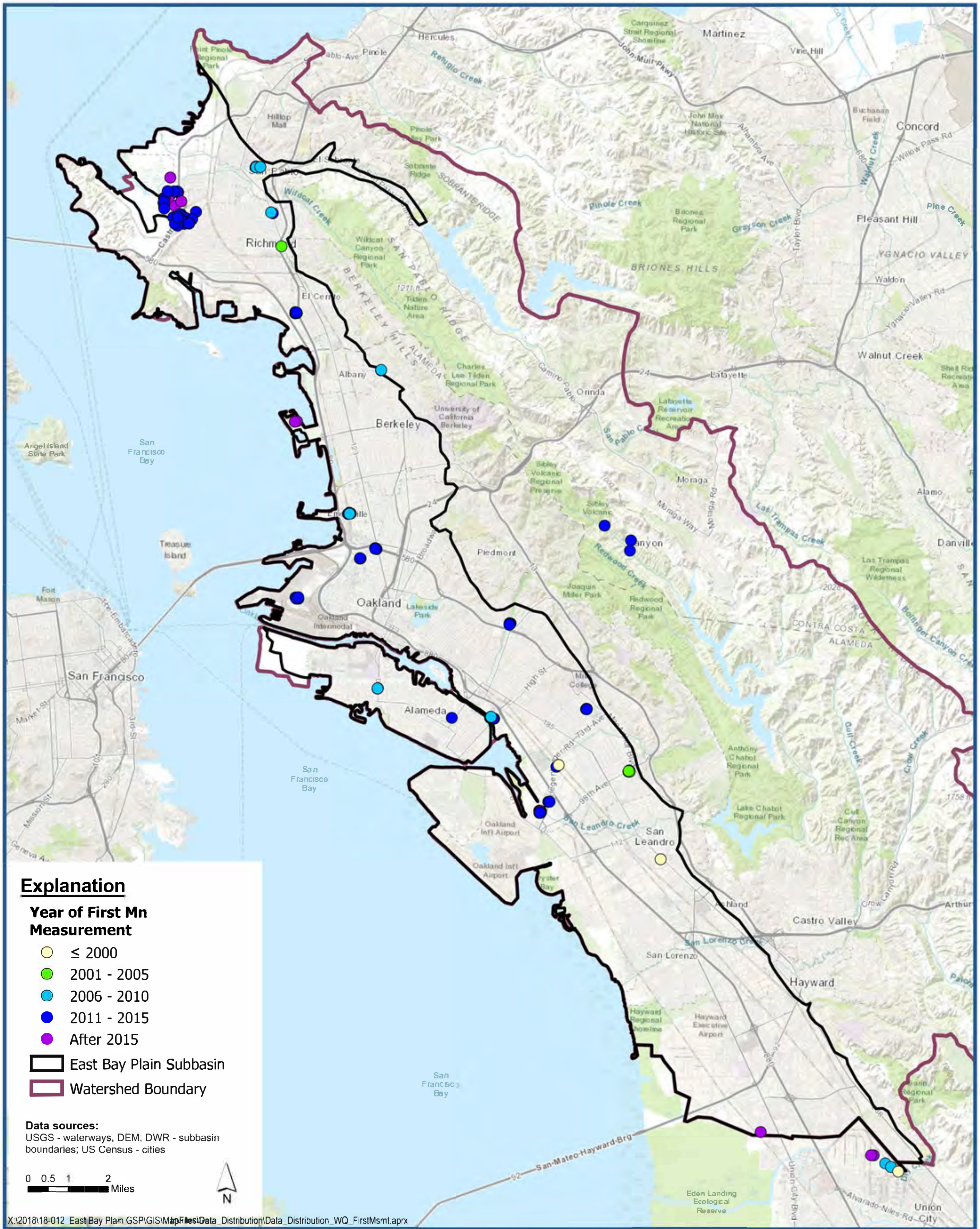


LSCE TEAM

Period of Record for Arsenic (As) Measurements for Wells Deeper than 50 Feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-39



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

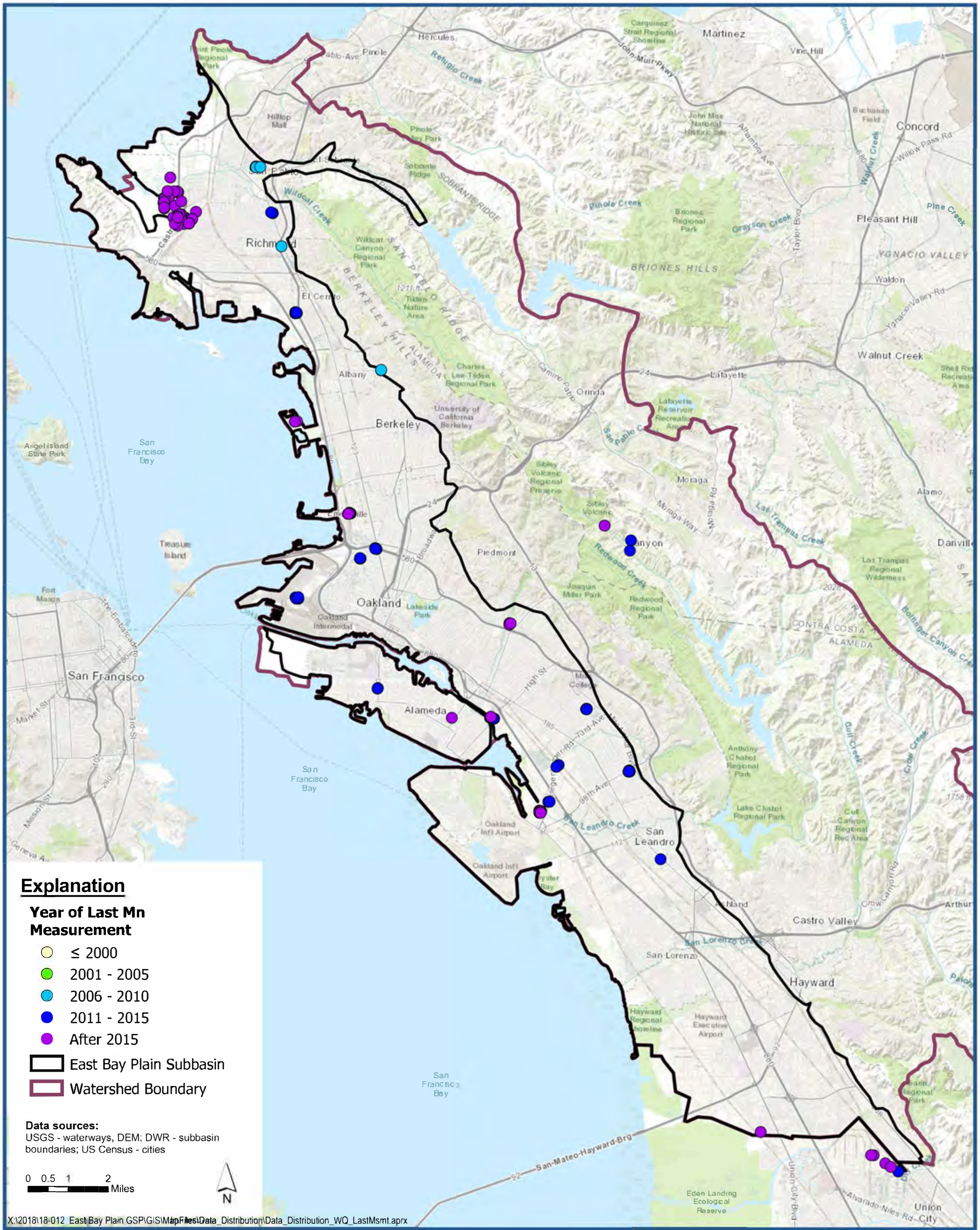
X:\2018\18-012 East Bay Plain GSP\GIS\MapFiles\Data_Distribution\Data_Distribution_WQ_FirstMsmt.aprx

LSCE TEAM

Earliest Manganese (Mn) Measurement for Wells Deeper than 50 Feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-40

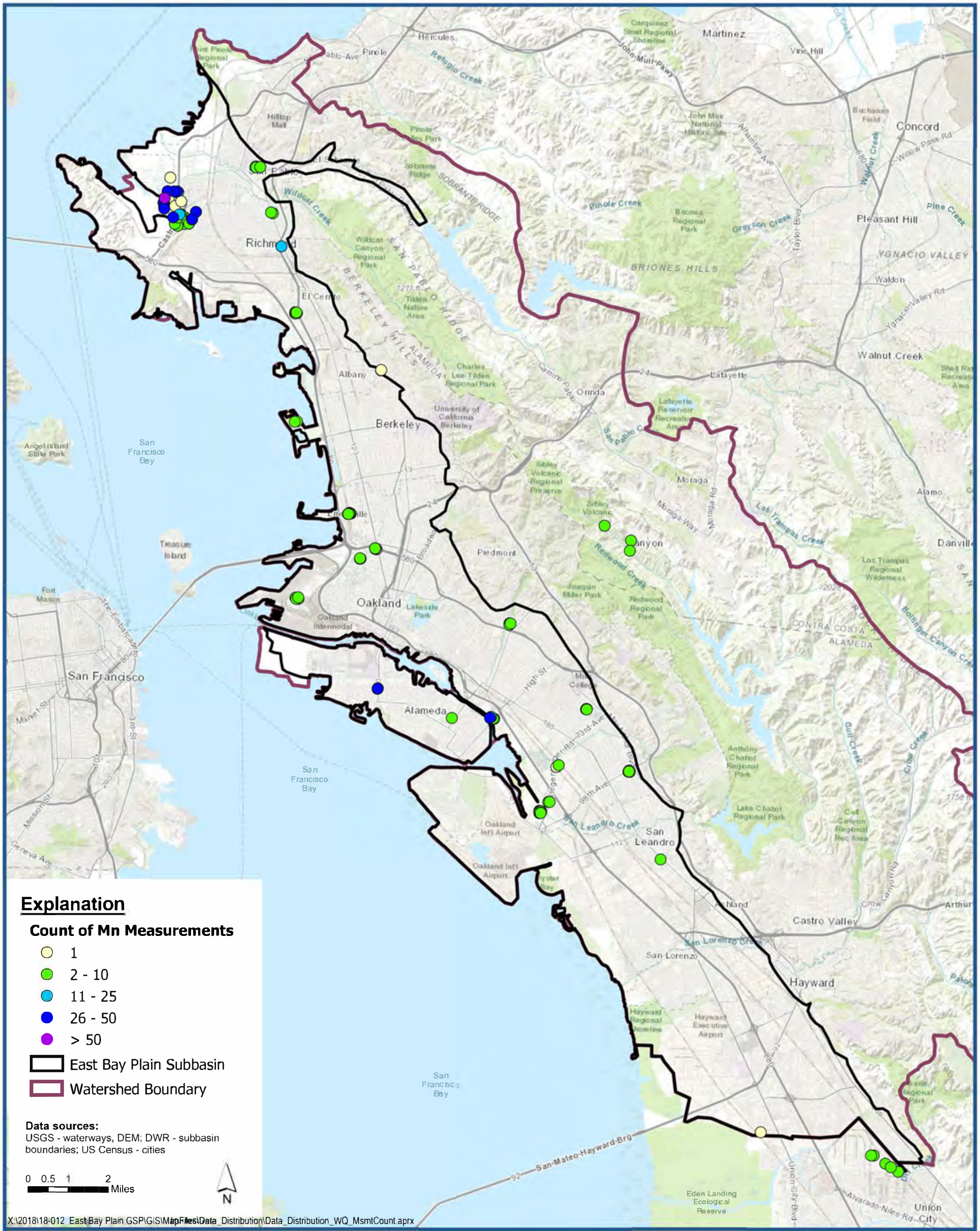


Most Recent Manganese (Mn) Measurement for Wells Deeper than 50 Feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

LSCE TEAM

Figure 3-41



Explanation

Count of Mn Measurements

- ● 1
- ● 2 - 10
- ● 11 - 25
- ● 26 - 50
- ● > 50

▭ East Bay Plain Subbasin

▭ Watershed Boundary

Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

0 0.5 1 2 Miles

N

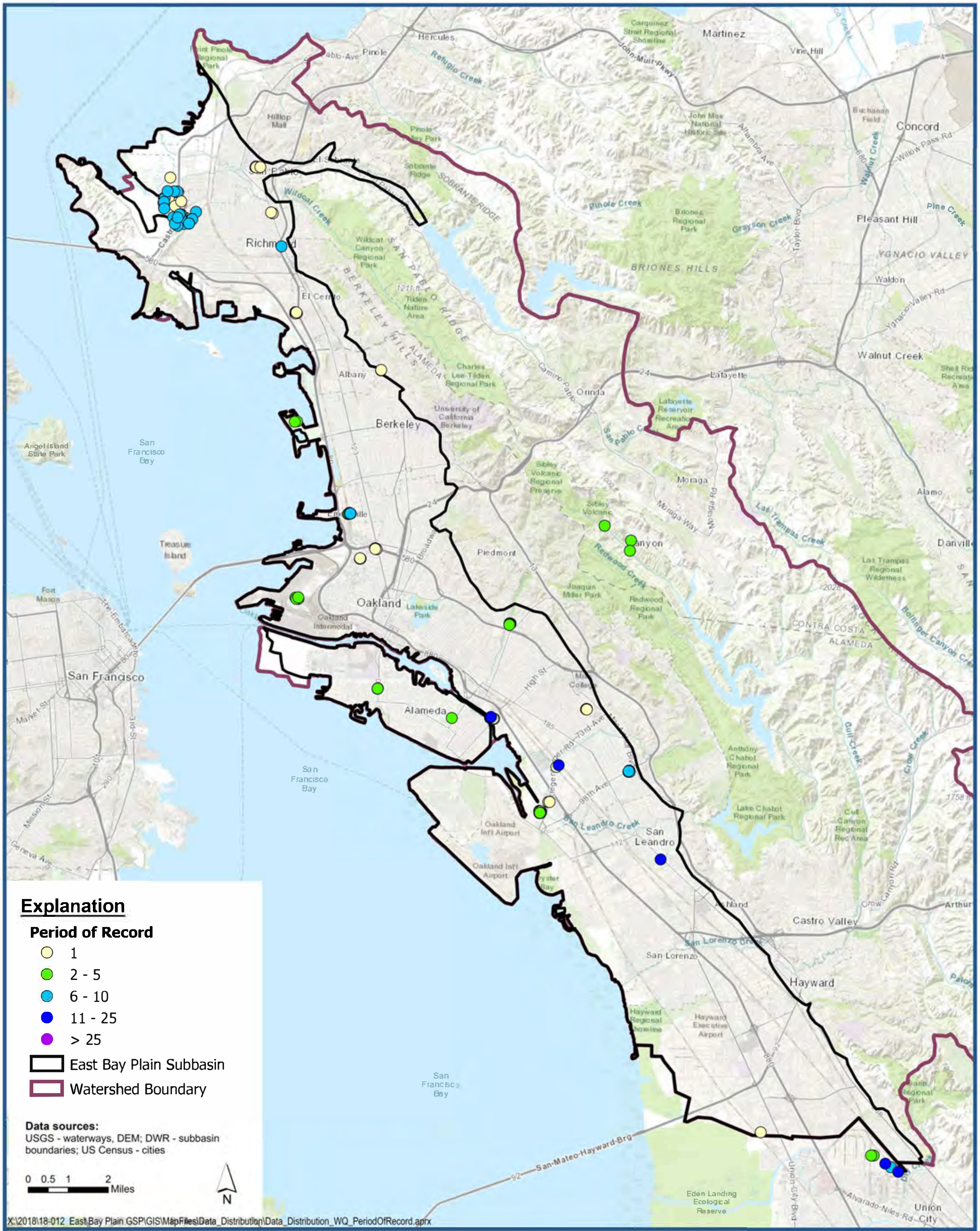
X:\2018\18-012 East Bay Plain GSP\GIS\MapFiles\Data_Distribution\Data_Distribution_WQ_MsmtCount.aprx

LSCE TEAM

Count of Manganese (Mn) Measurements for Wells Deeper than 50 Feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-42



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

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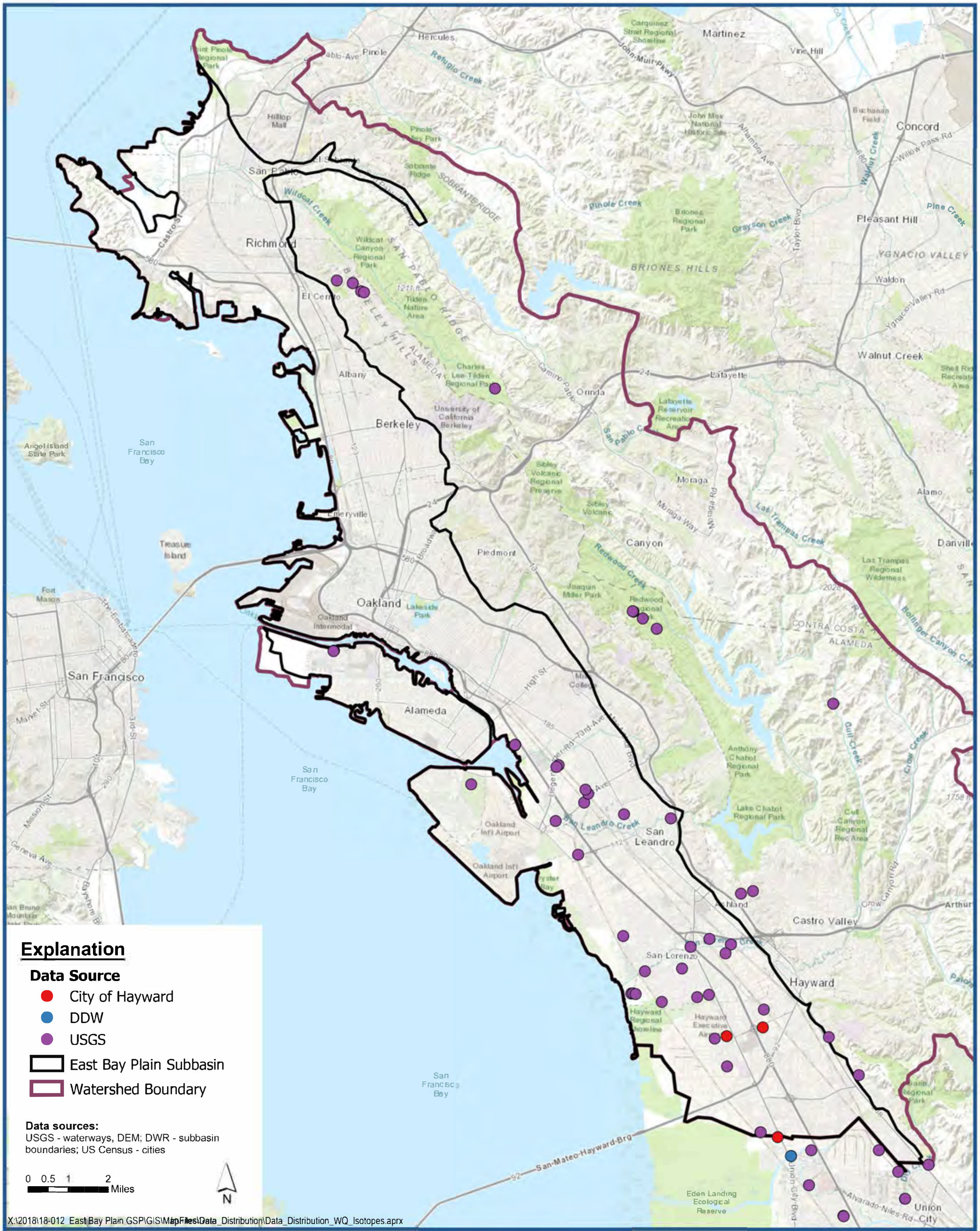
LSCE TEAM

Period of Record for Manganese (Mn) Measurements for Wells Deeper than 50 Feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-43



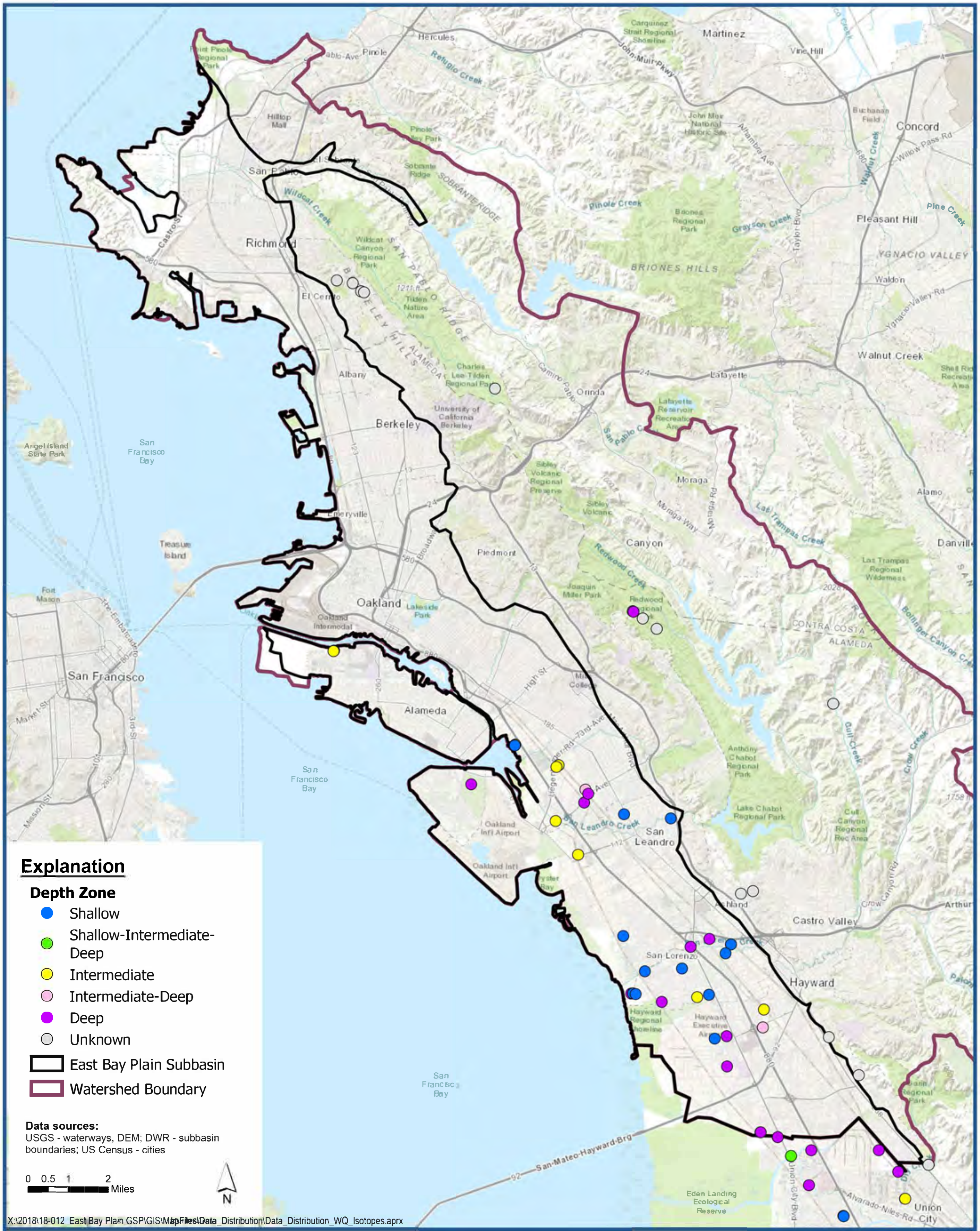
X:\2018\18-012 East Bay Plain GSP\GIS\MapFiles\Data_Distribution\Data_Distribution_WQ_Isotopes.aprx

LSCE TEAM

Wells with Isotope Data

East Bay Plain Subbasin
Groundwater Sustainability Plan

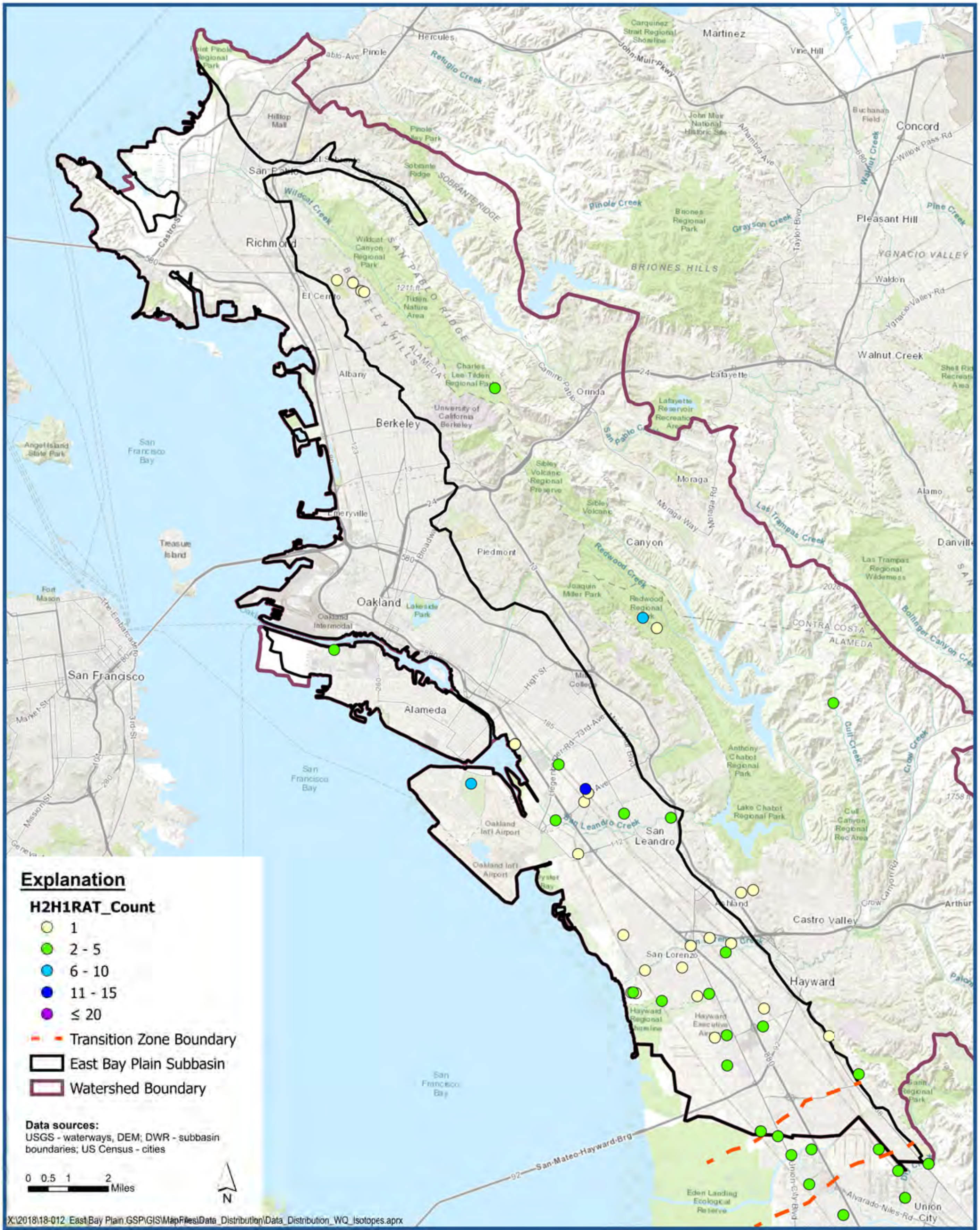
Figure 3-44



Wells with Isotope Data by Depth Zone

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-45



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

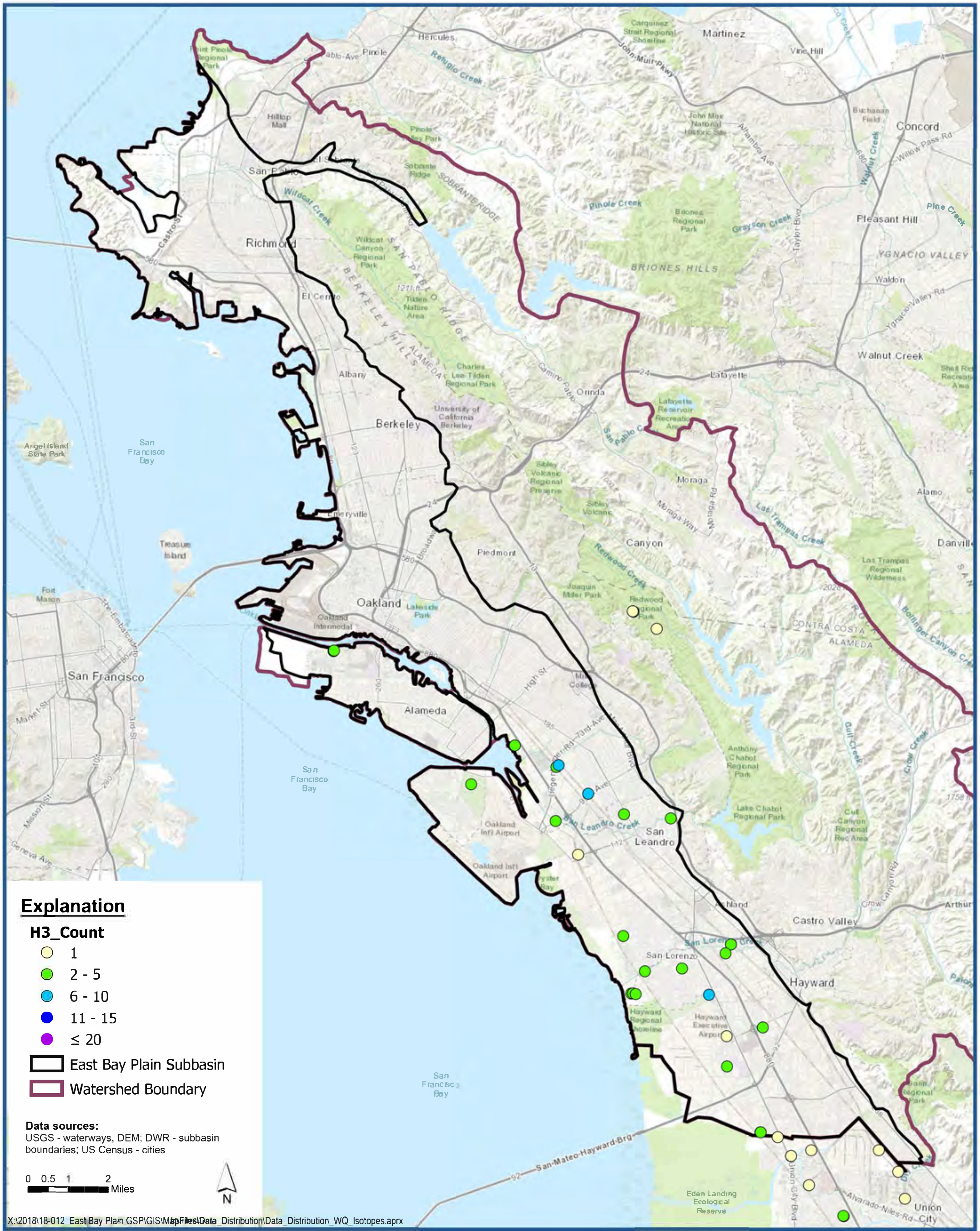
X:\2018\18-012 East Bay Plain GSP\GIS\MapFiles\Data_Distribution\Data_Distribution_WQ_Isotopes.aprx

LSCE TEAM

Count of Deuterium/Hydrogen Measurements

Figure 3-46

East Bay Plain Subbasin
Groundwater Sustainability Plan

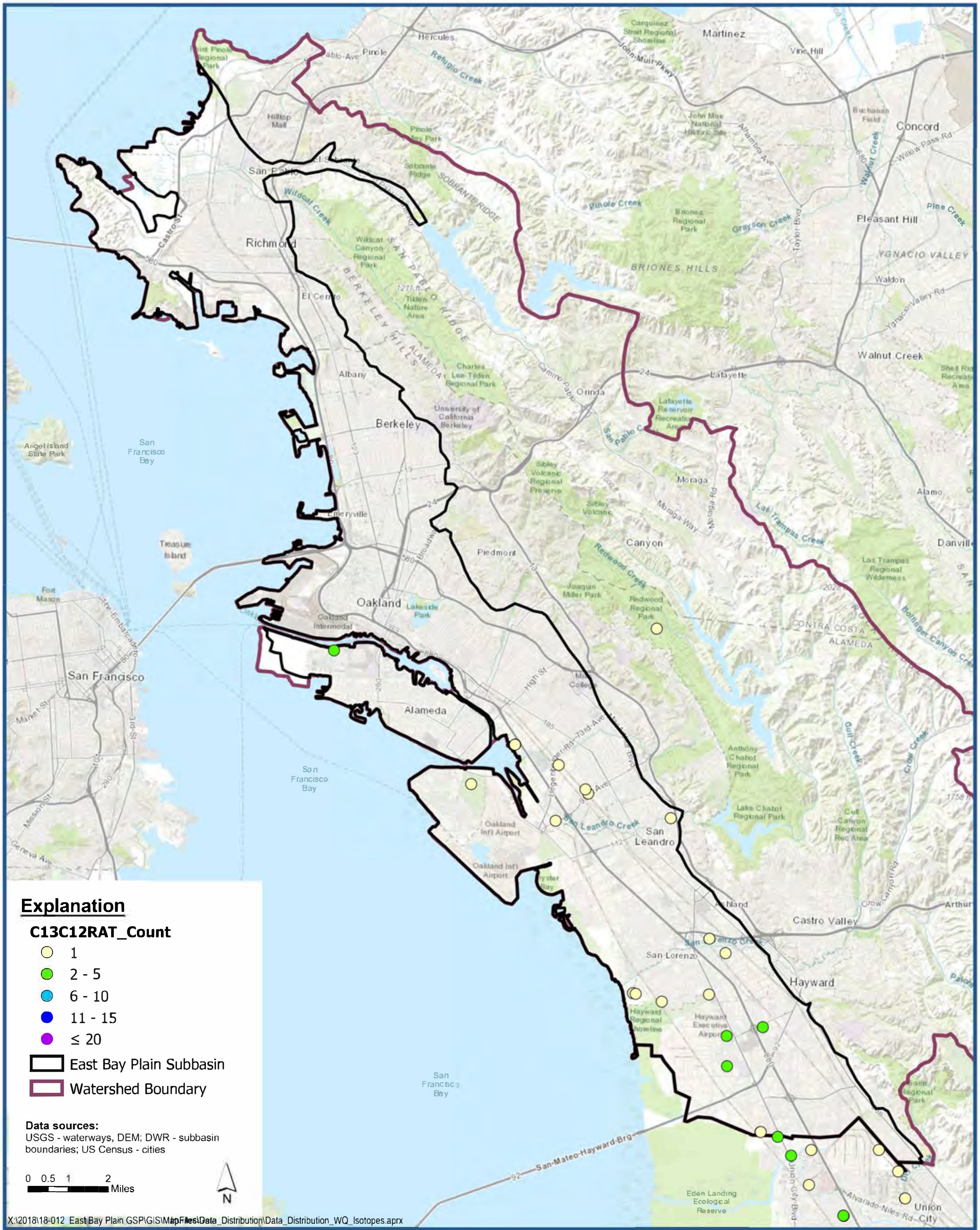


Count of Tritium Measurements

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-47

LSCE TEAM

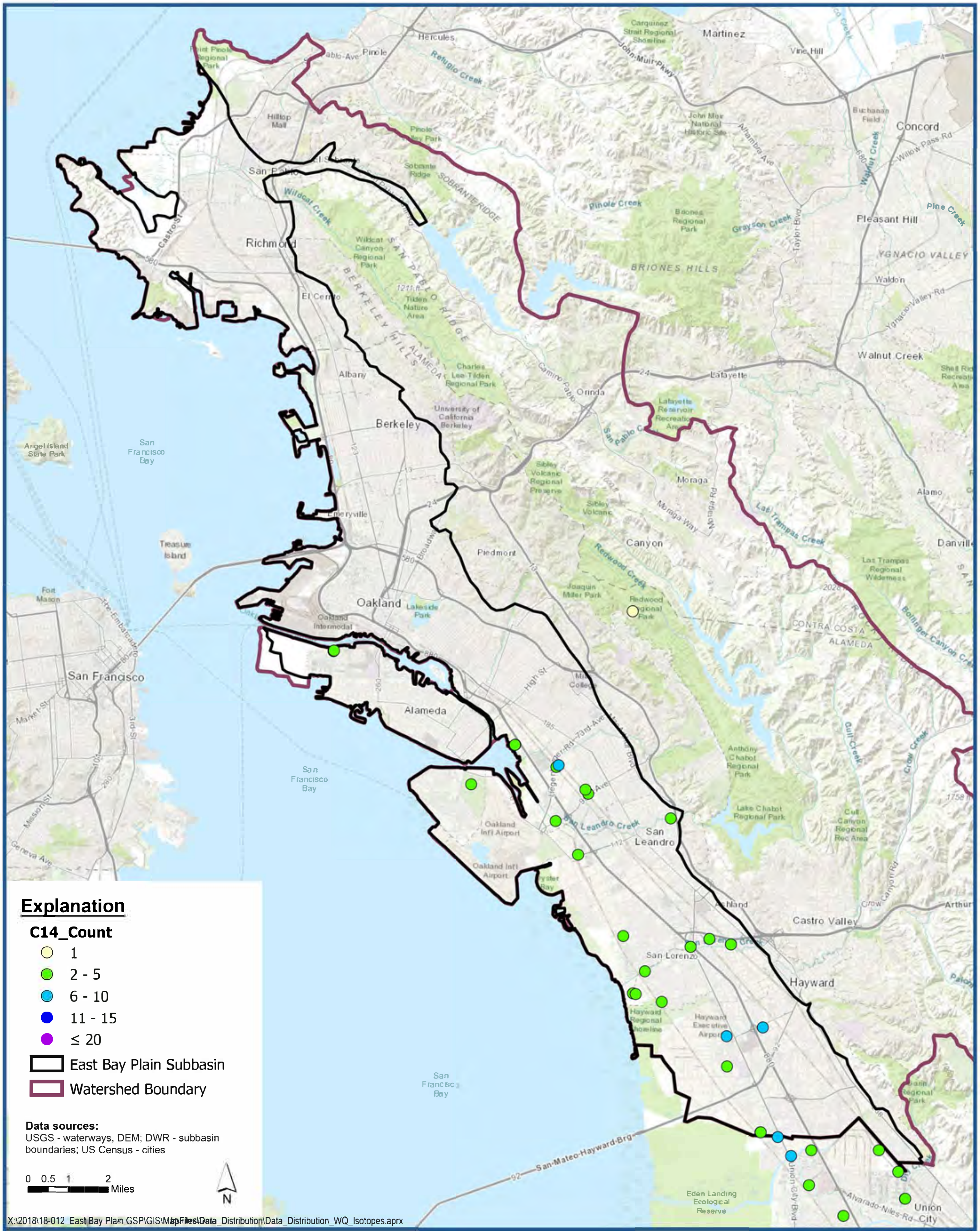


LSCE TEAM

Count of Carbon-13/Carbon-12 Measurements

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-48



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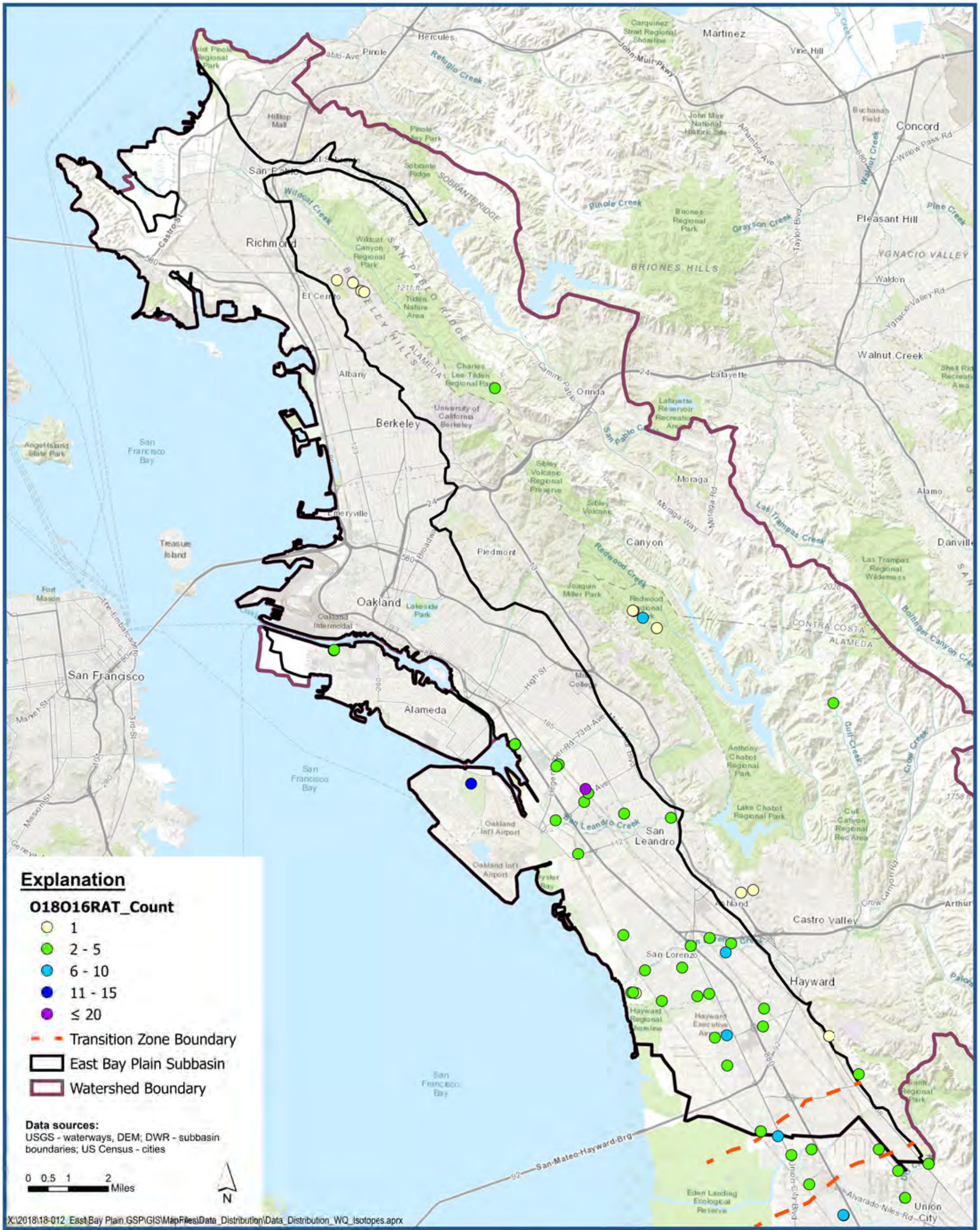
LSCE TEAM

Count of Carbon-14 Measurements

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-49



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

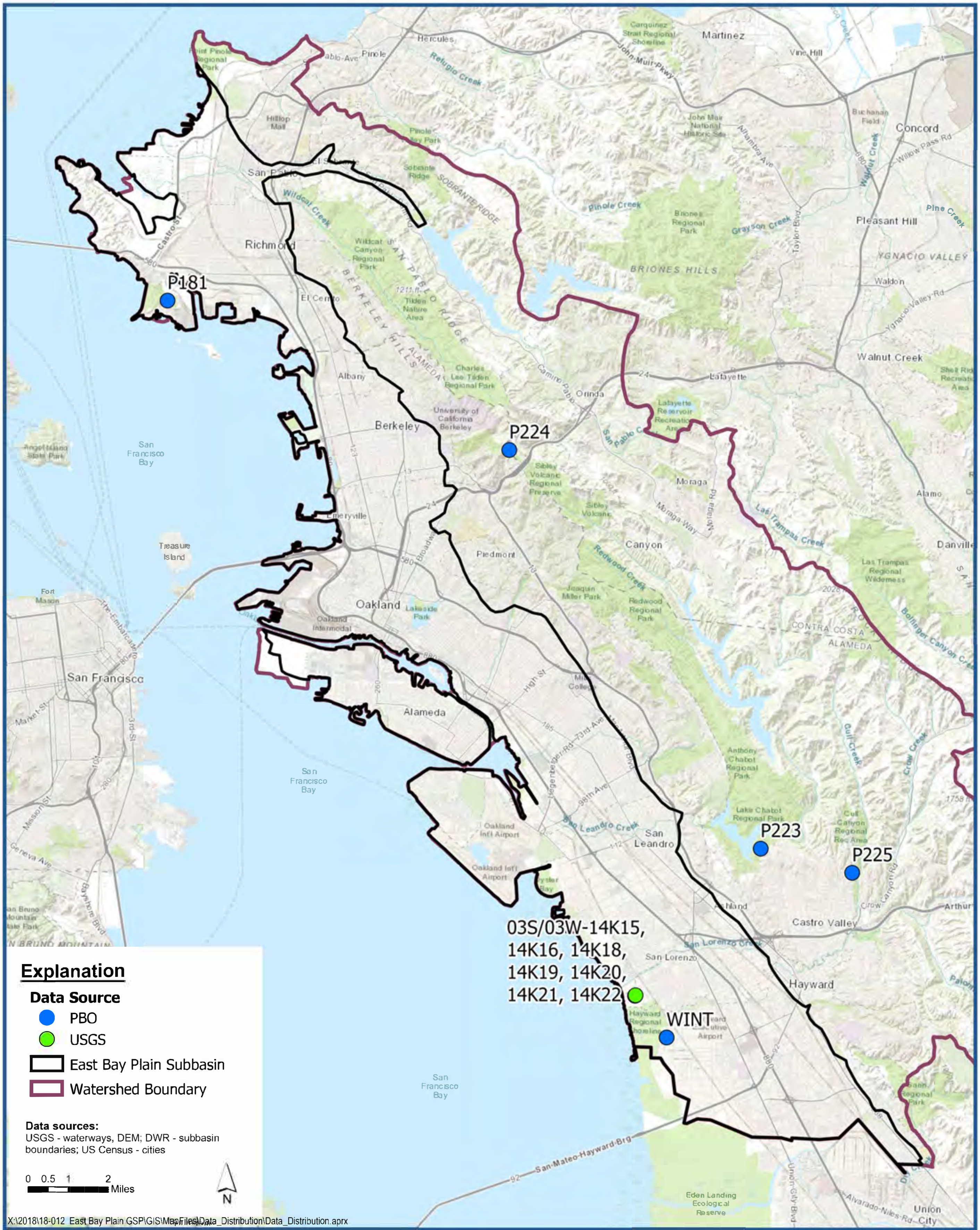
X:\2018\18-012 East Bay Plain GSP\GIS\MapFiles\Data_Distribution\Data_Distribution_WQ_Isotopes.aprx

LSCE TEAM

Count of Oxygen-18/Oxygen-16 Measurements

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-50



LSCE TEAM

Subsidence Stations

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-51

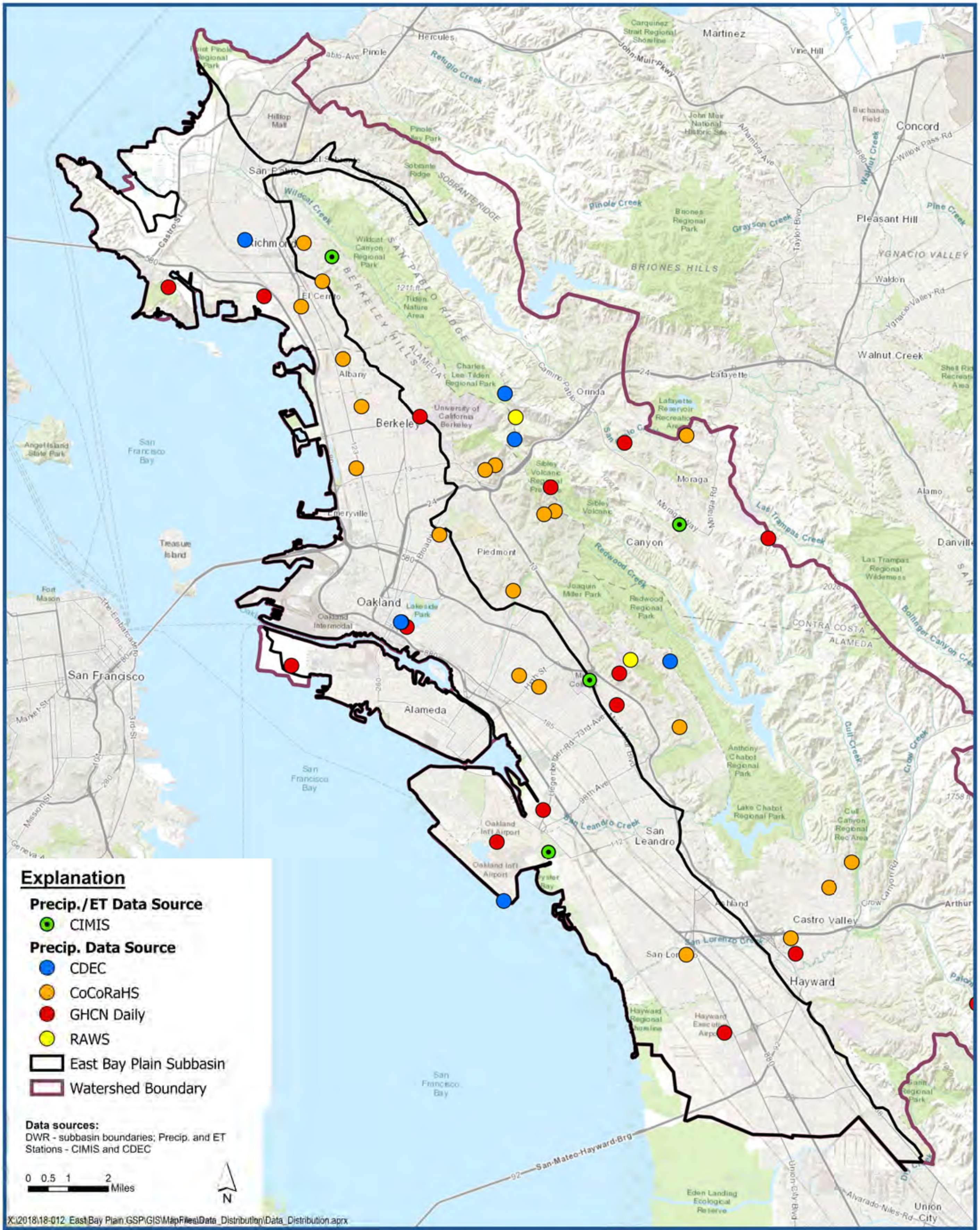
X:\2018\18-012 East Bay Plain GSP\GIS\MapFiles\GDEs\GDEs.aprx

LSCE TEAM

Potential Groundwater Dependent Ecosystems

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 3-52

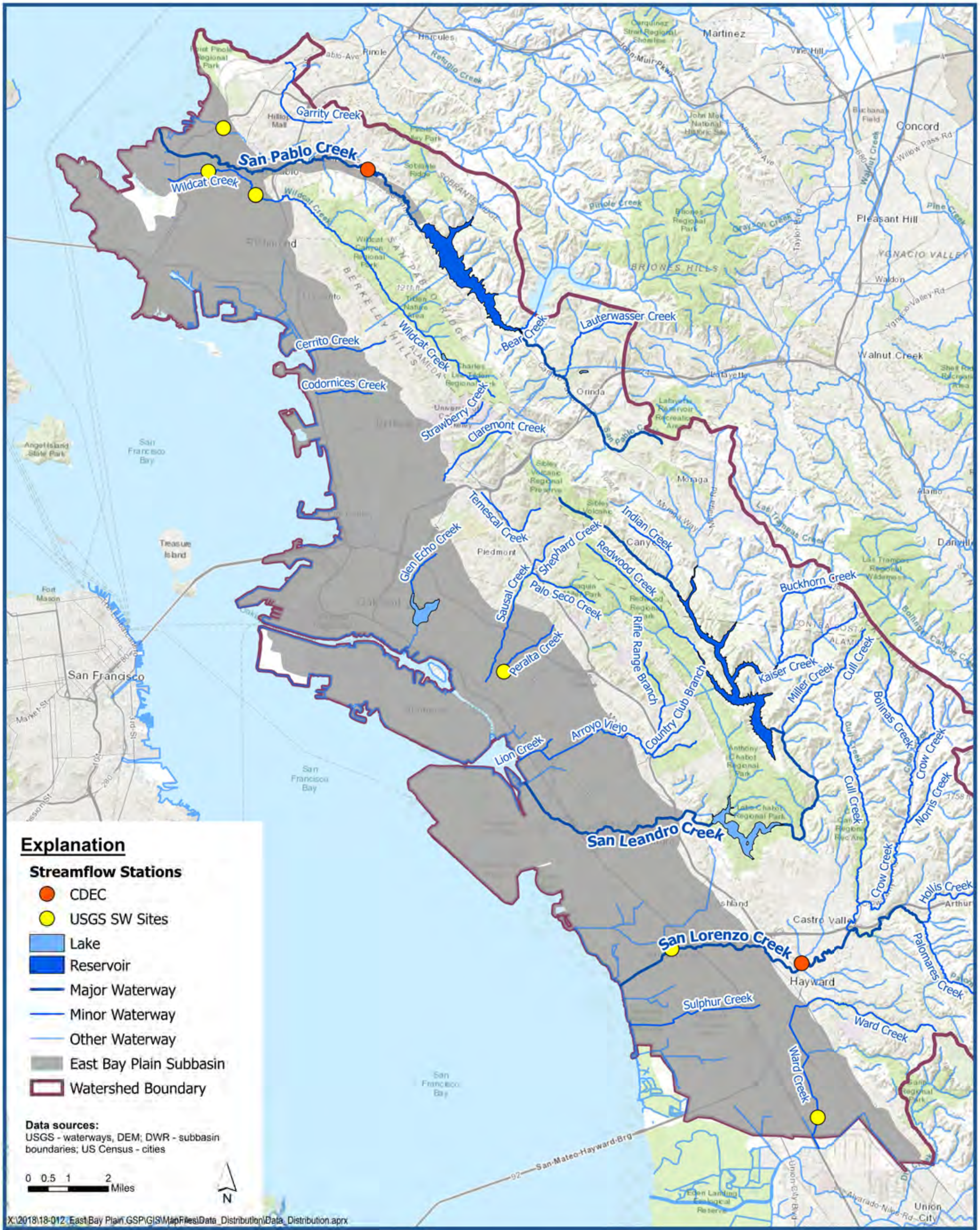


LSCE TEAM

Locations of Precipitation and Evapotranspiration Stations

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 4-1

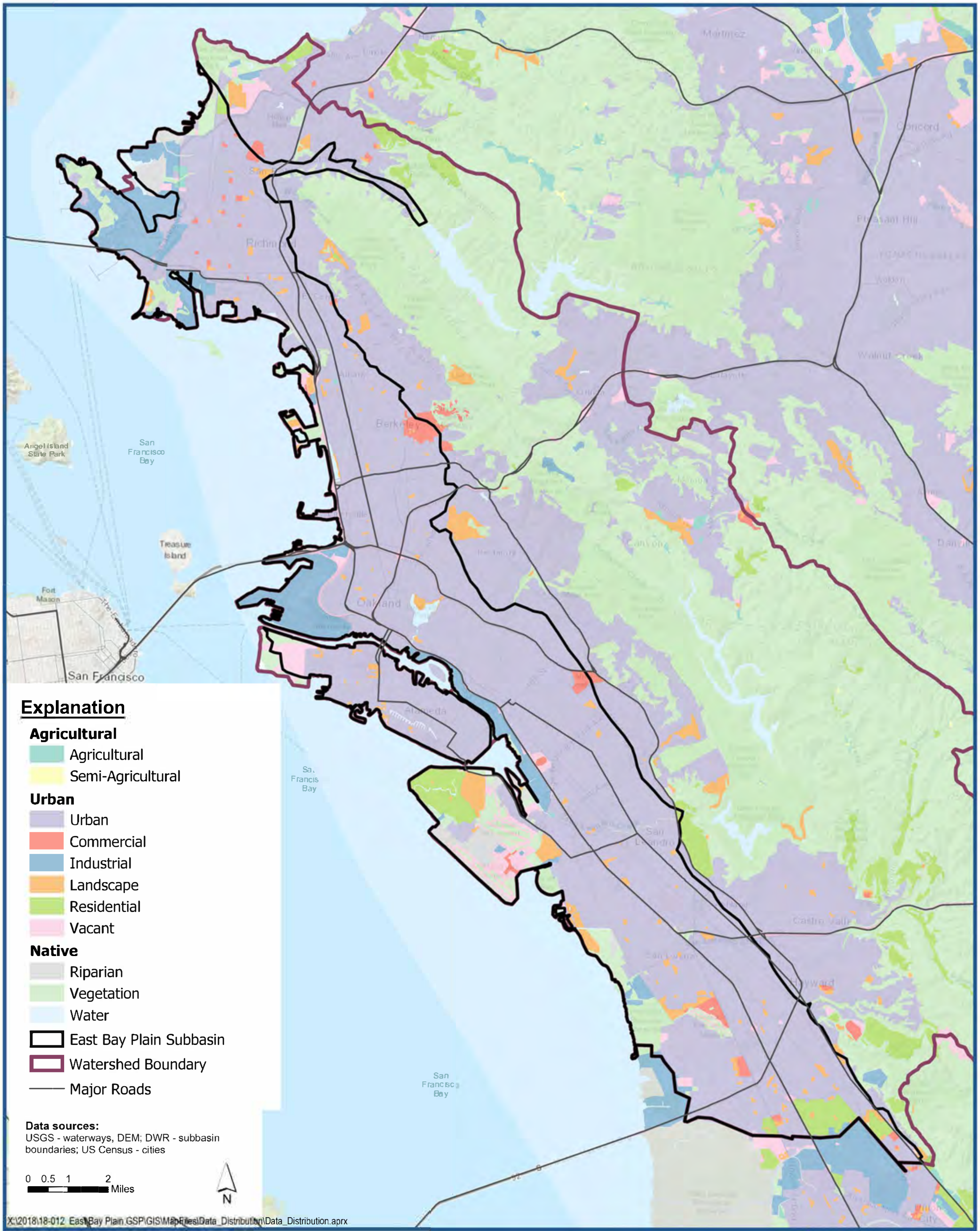


LSCE TEAM

Locations of Streamflow Stations

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 4-2



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

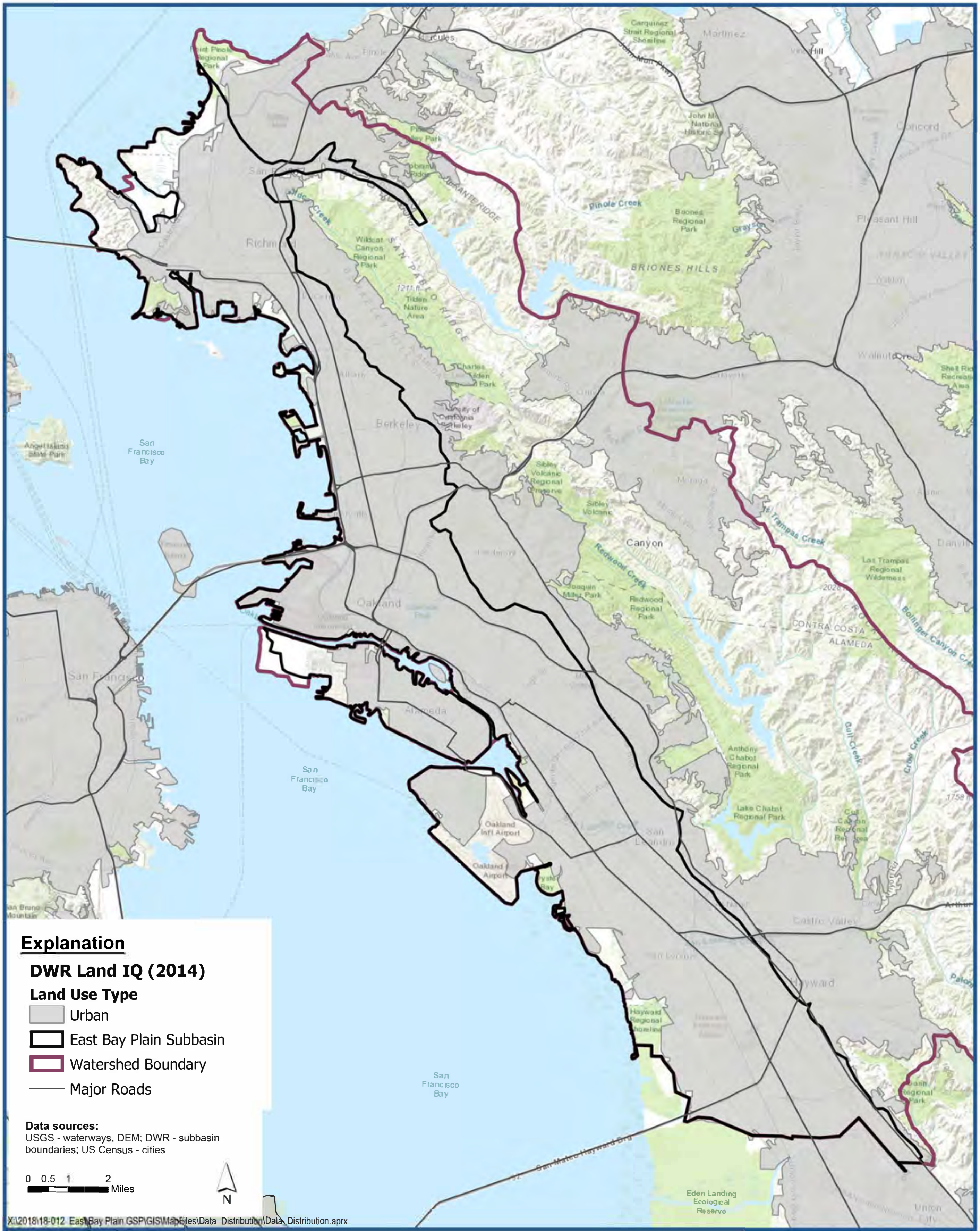
X:\2018\18-012 East Bay Plain GSP\GIS\MapFiles\Data_Distribution\Data_Distribution.aprx

LSCE TEAM

Land Use - DWR County Surveys

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 4-3



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

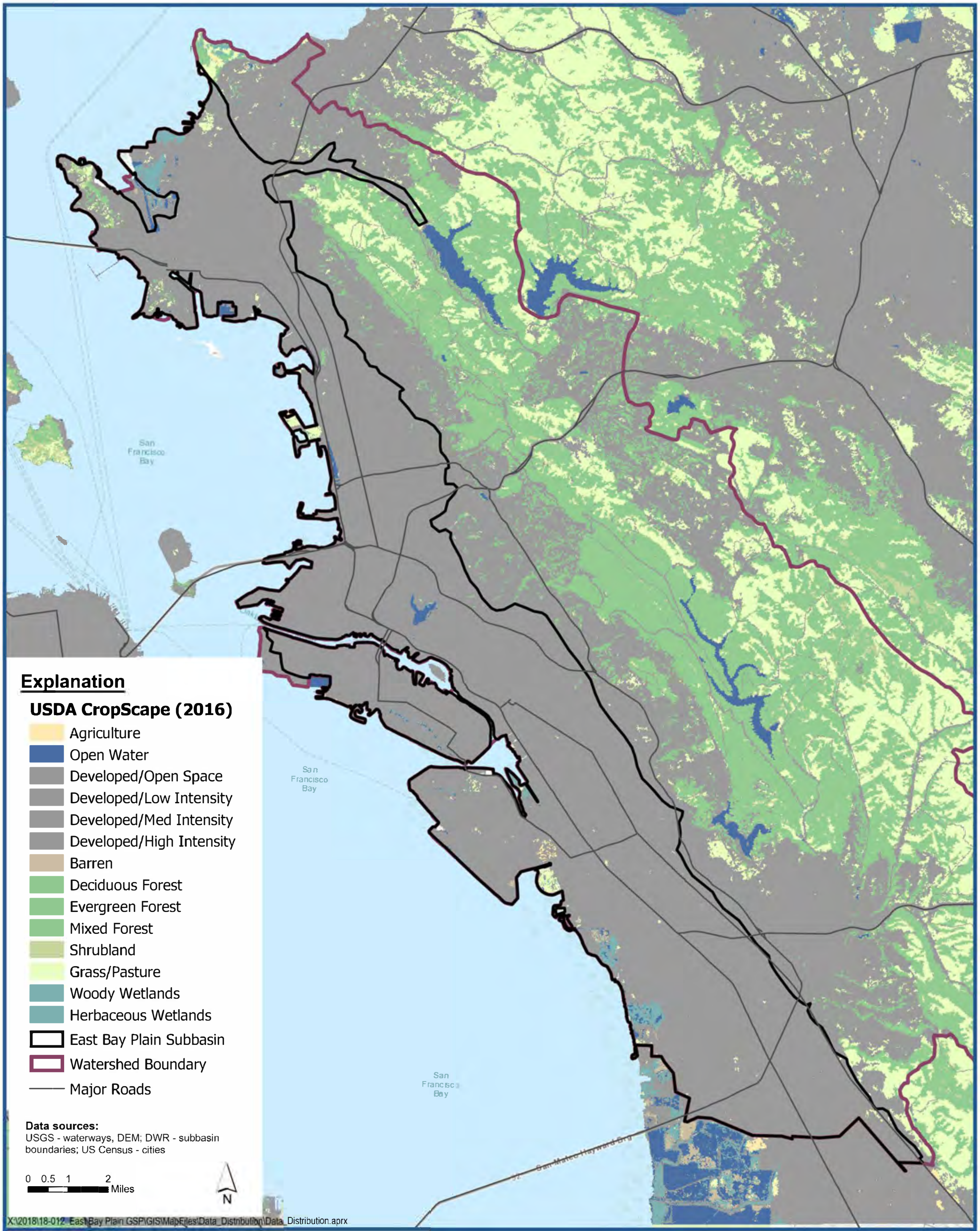
X:\2018\18-012 East Bay Plain GSP\GIS\MapFiles\Data_Distribution\Data_Distribution.aprx

LSCE TEAM

Land Use - Land IQ

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 4-4



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

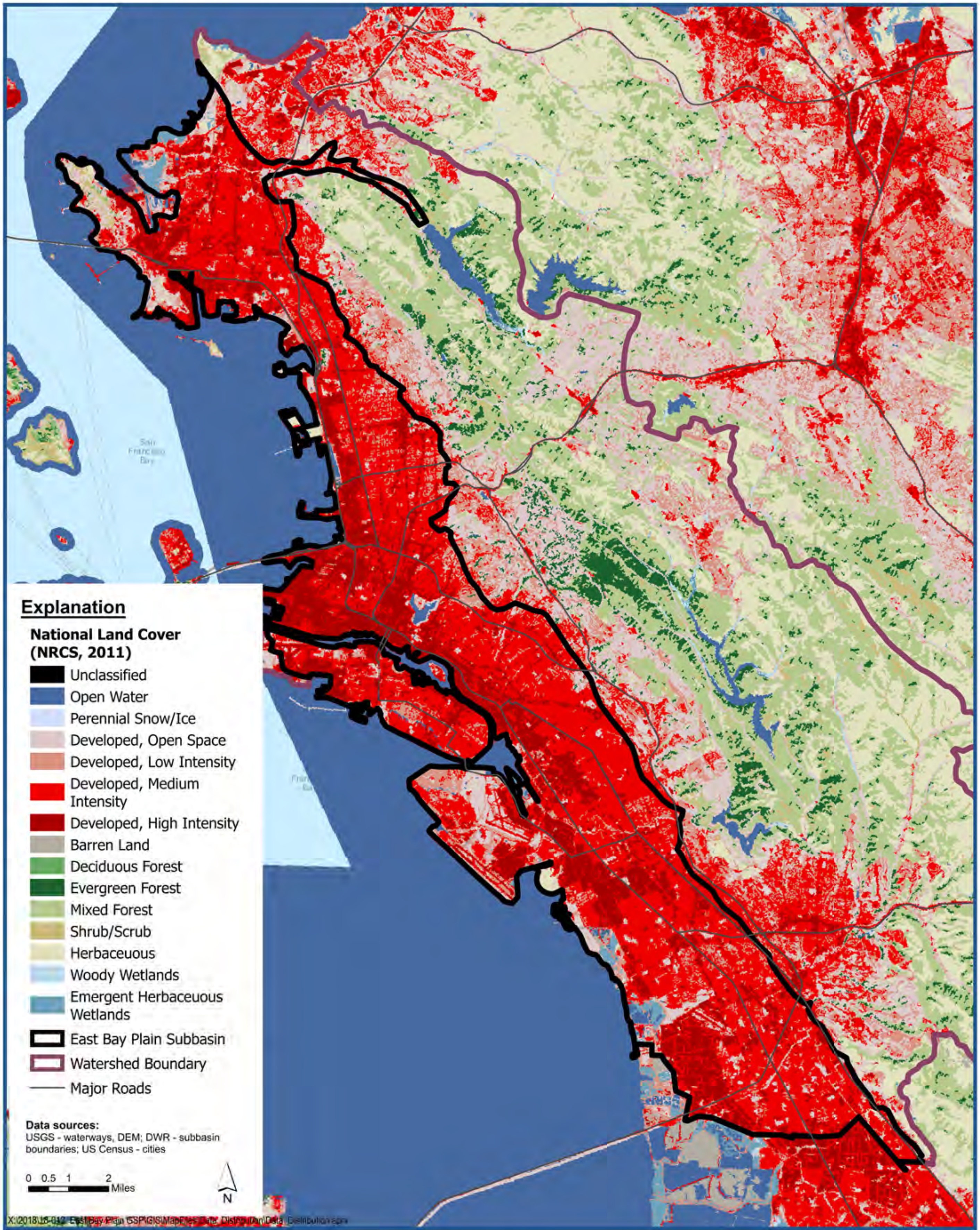
X:\2018\18-012 East Bay Plain GSP\GIS\MapFiles\Data_Distribution\Data_Distribution.aprx

LSCE TEAM

Land Use - Crop Scape

East Bay Plain Subbasin
Groundwater Sustainability Plan

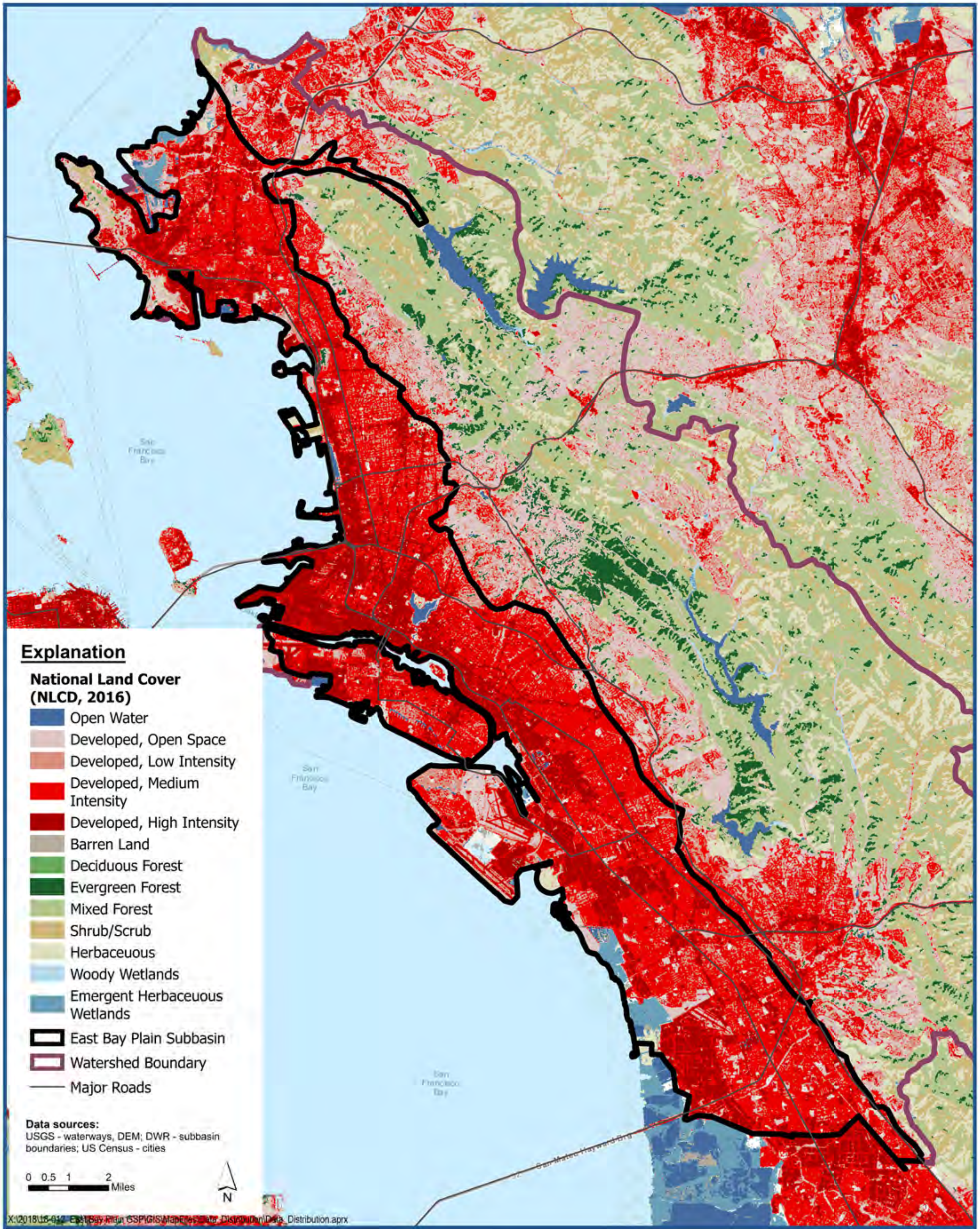
Figure 4-5



Land Use - NRCS, 2011

Figure 4-6

East Bay Plain Subbasin
Groundwater Sustainability Plan



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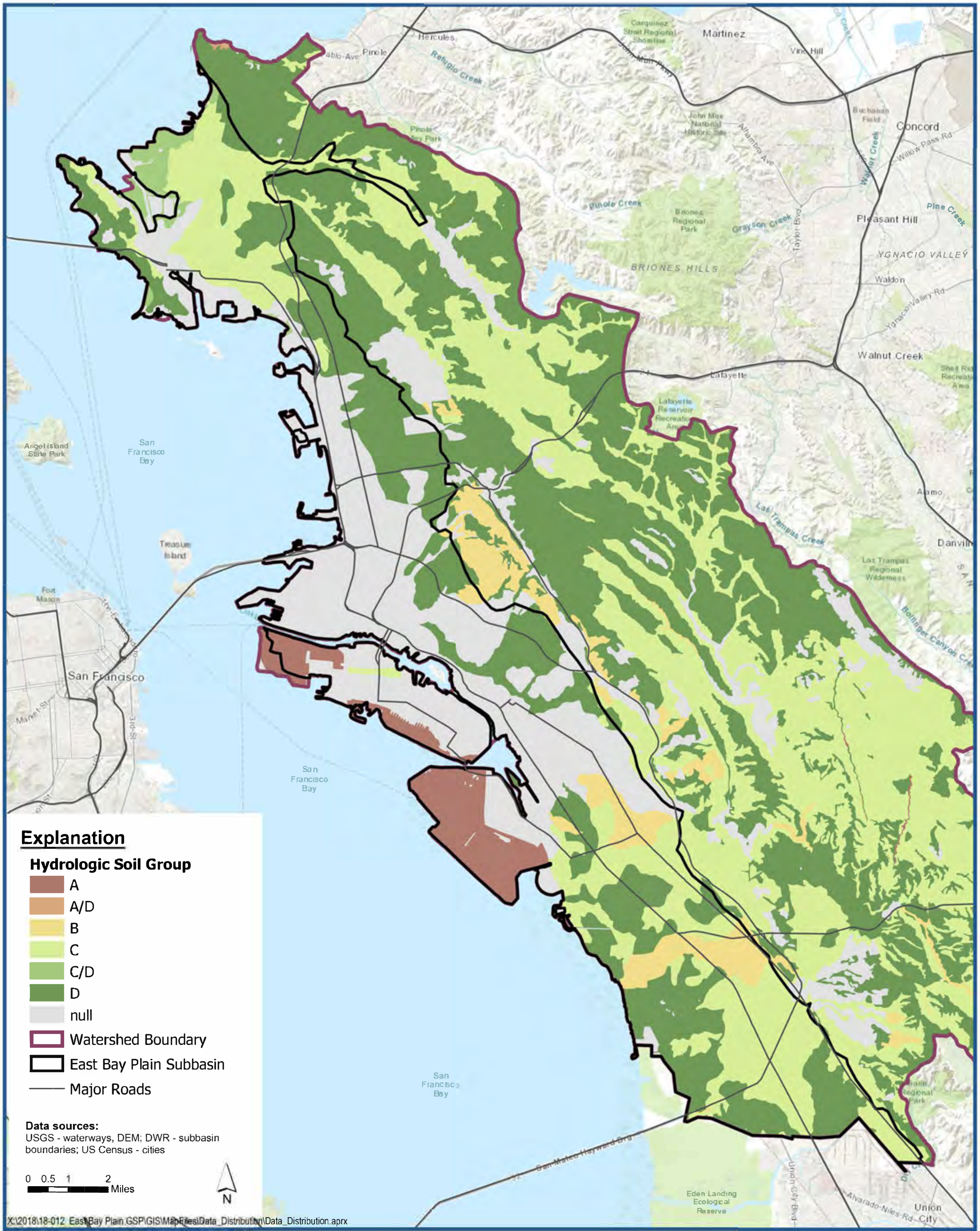
Land Use - NLCD, 2016

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 4-7



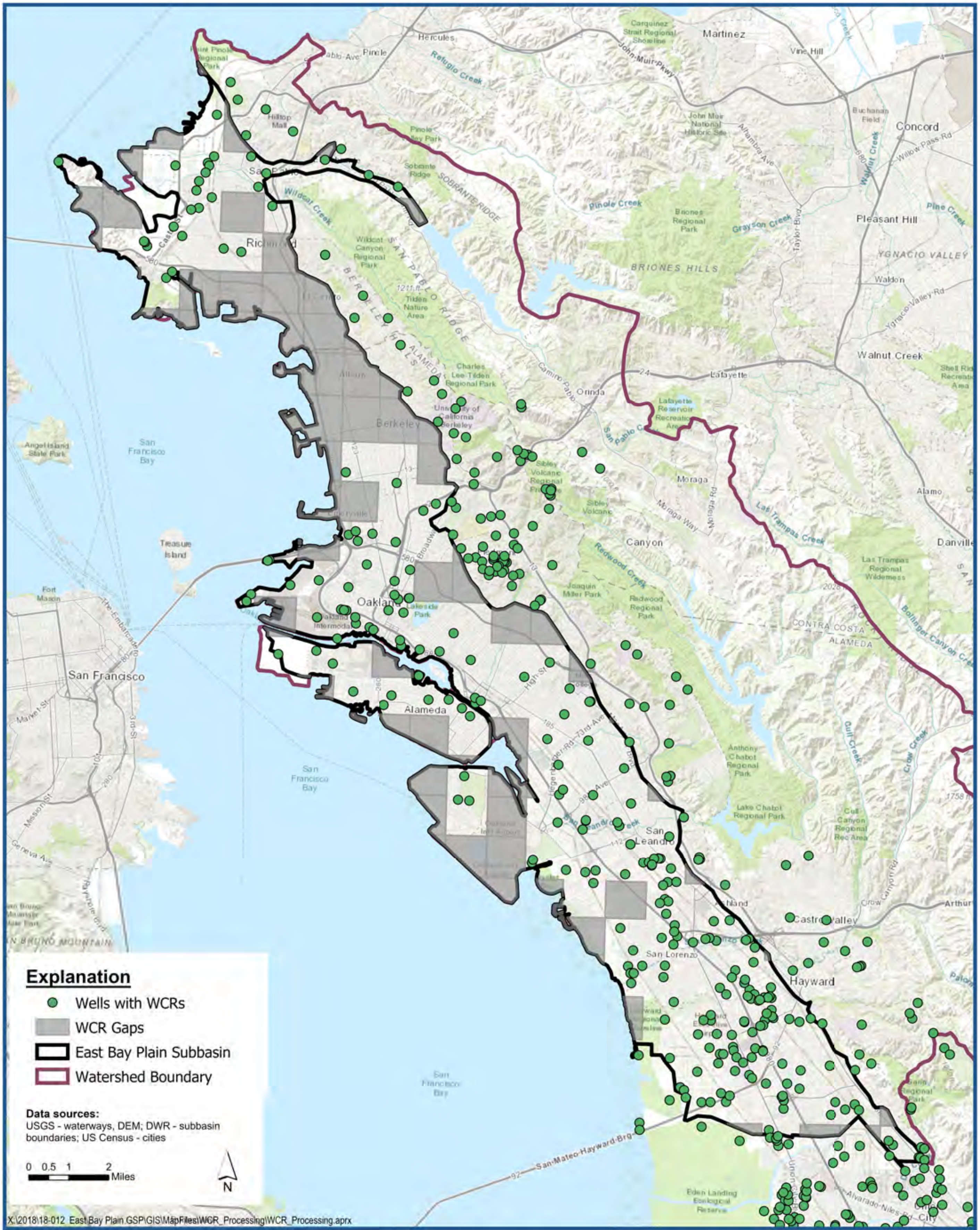
Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

LSCE TEAM

Hydrologic Soil Groups

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 4-8

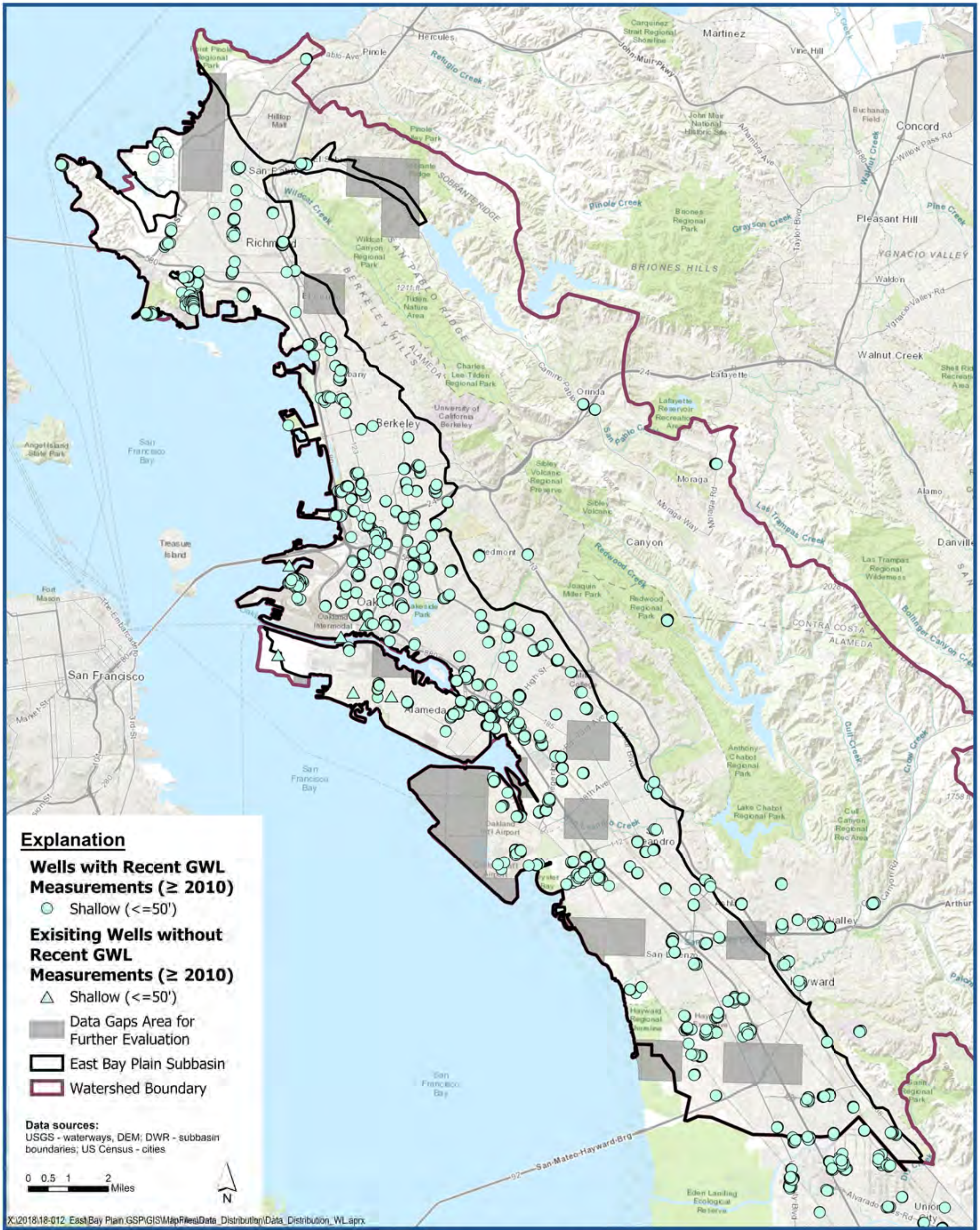


LSCE TEAM

Well Completion Reports Data Gap Areas for Further Evaluation

East Bay Plain Subbasin
Groundwater Sustainability Plan

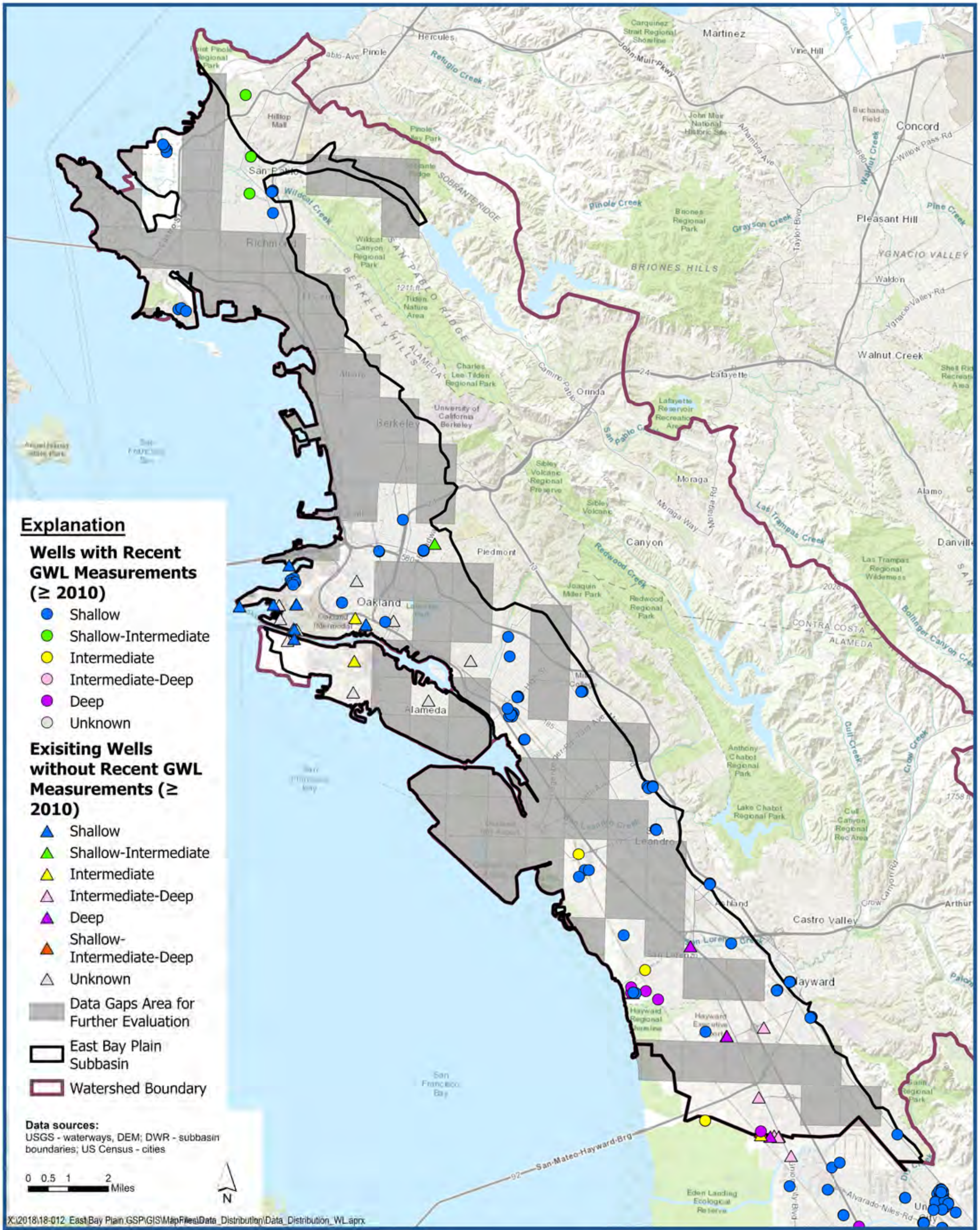
Figure 5-1



Water Level Measurement Data Gap Areas for Further Evaluation - Wells 50 Feet Deep or Less

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 2-2



Water Level Measurement Data Gap Areas for Further Evaluation - Wells Deeper than 50 Feet

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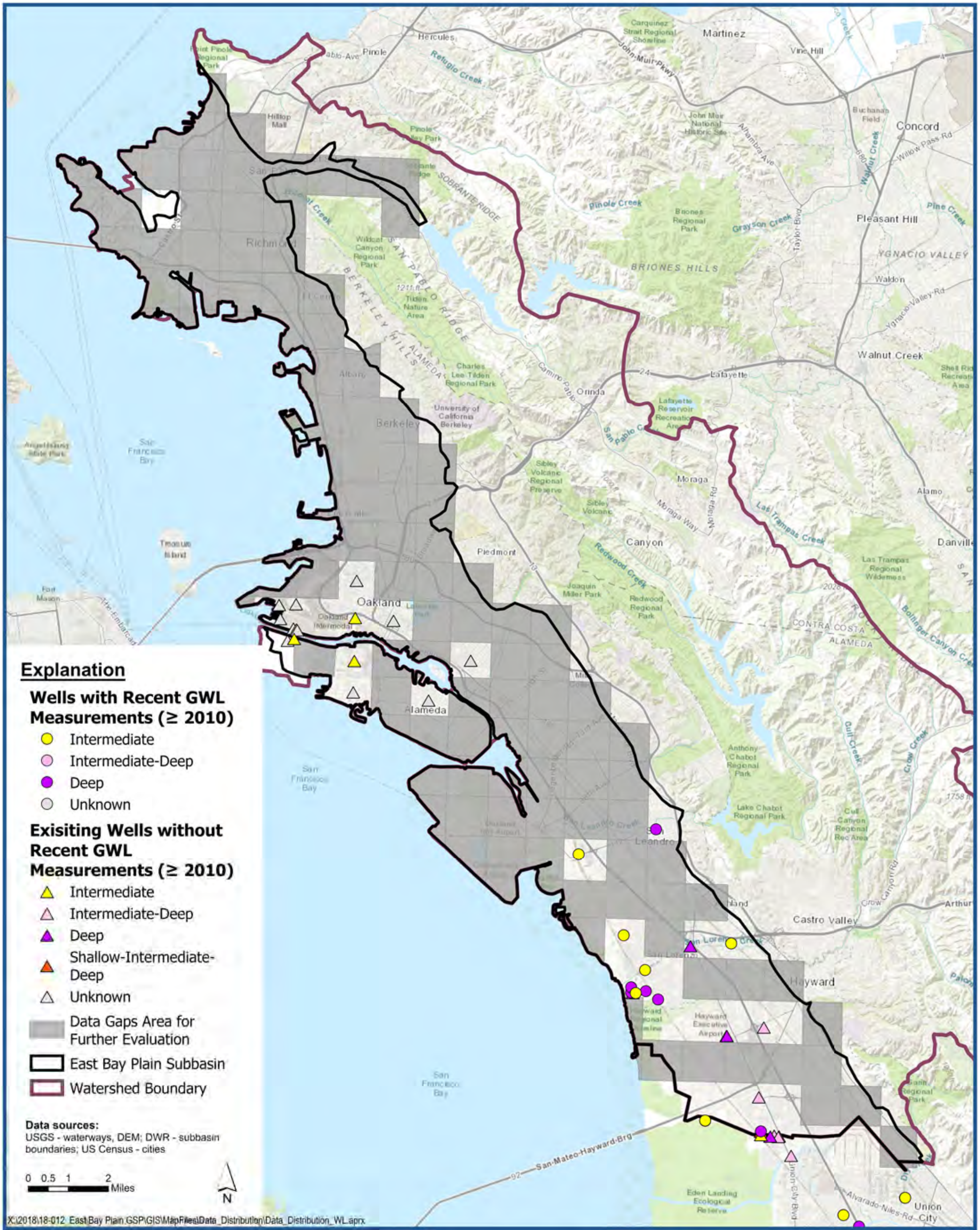
Figure 5-3

East Bay Plain Subbasin
Groundwater Sustainability Plan



Water Level Measurement Data Gap Areas for Further Evaluation - Wells Deeper than 200 Feet

Figure 5-4

East Bay Plain Subbasin
Groundwater Sustainability Plan

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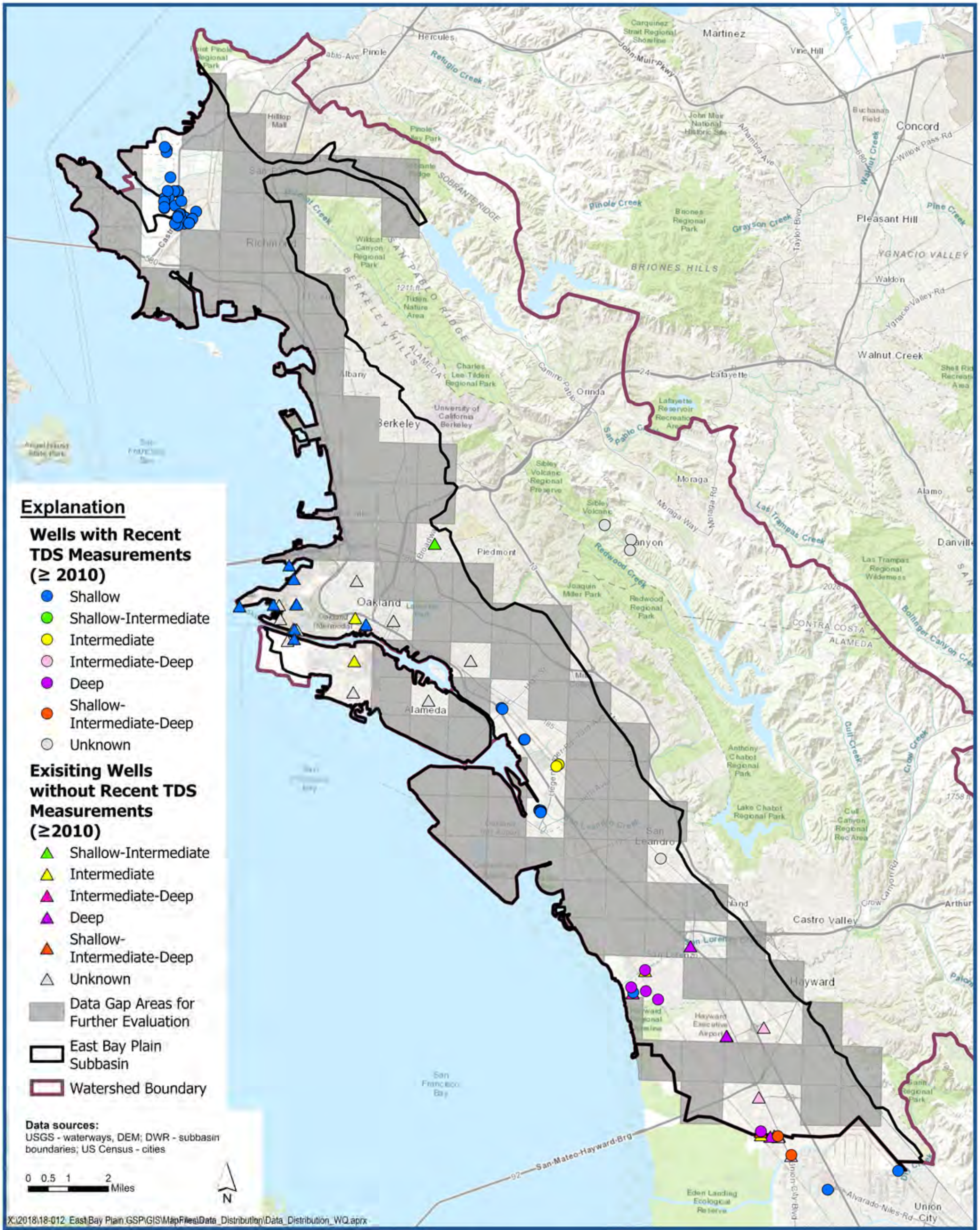

Water Quality Measurement Data Gap Areas for Further Evaluation for Wells Deeper than 50-feet - TDS

East Bay Plain Subbasin
Groundwater Sustainability Plan

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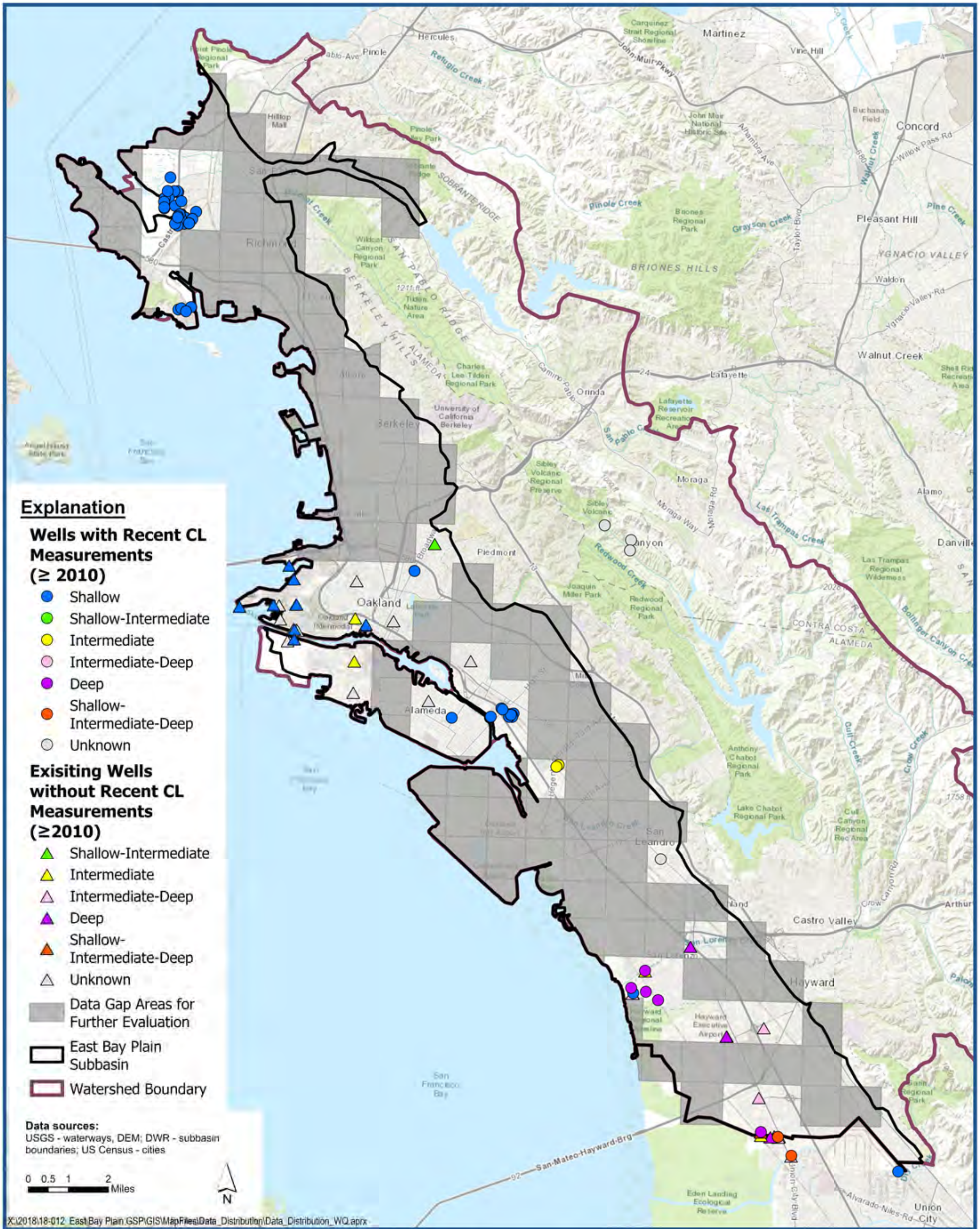
Figure 5-5

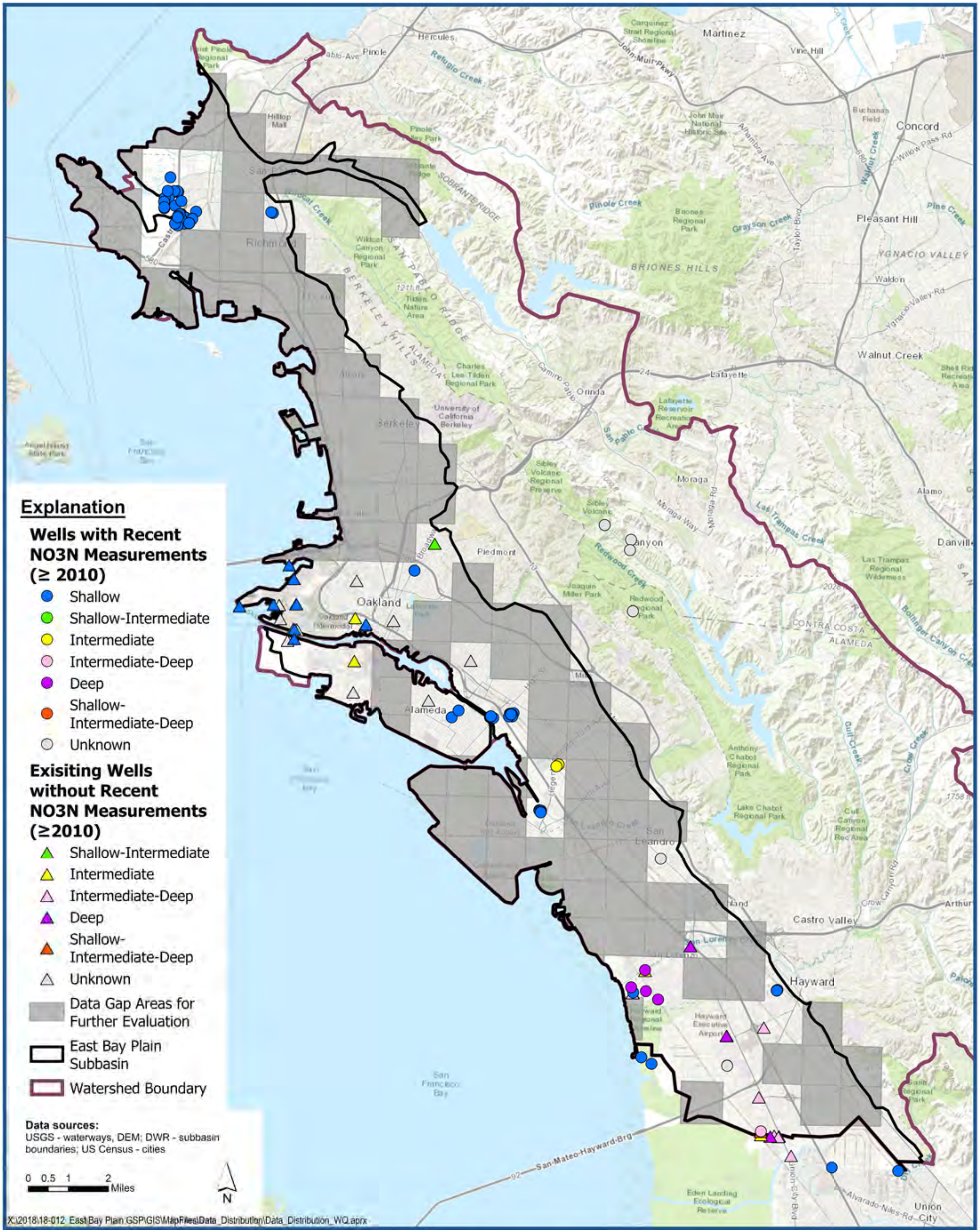


LSCE TEAM

Water Quality Measurement Data Gap Areas for Further Evaluation for Wells Deeper than 50-feet - CL

Figure 5-6

East Bay Plain Subbasin
Groundwater Sustainability Plan



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

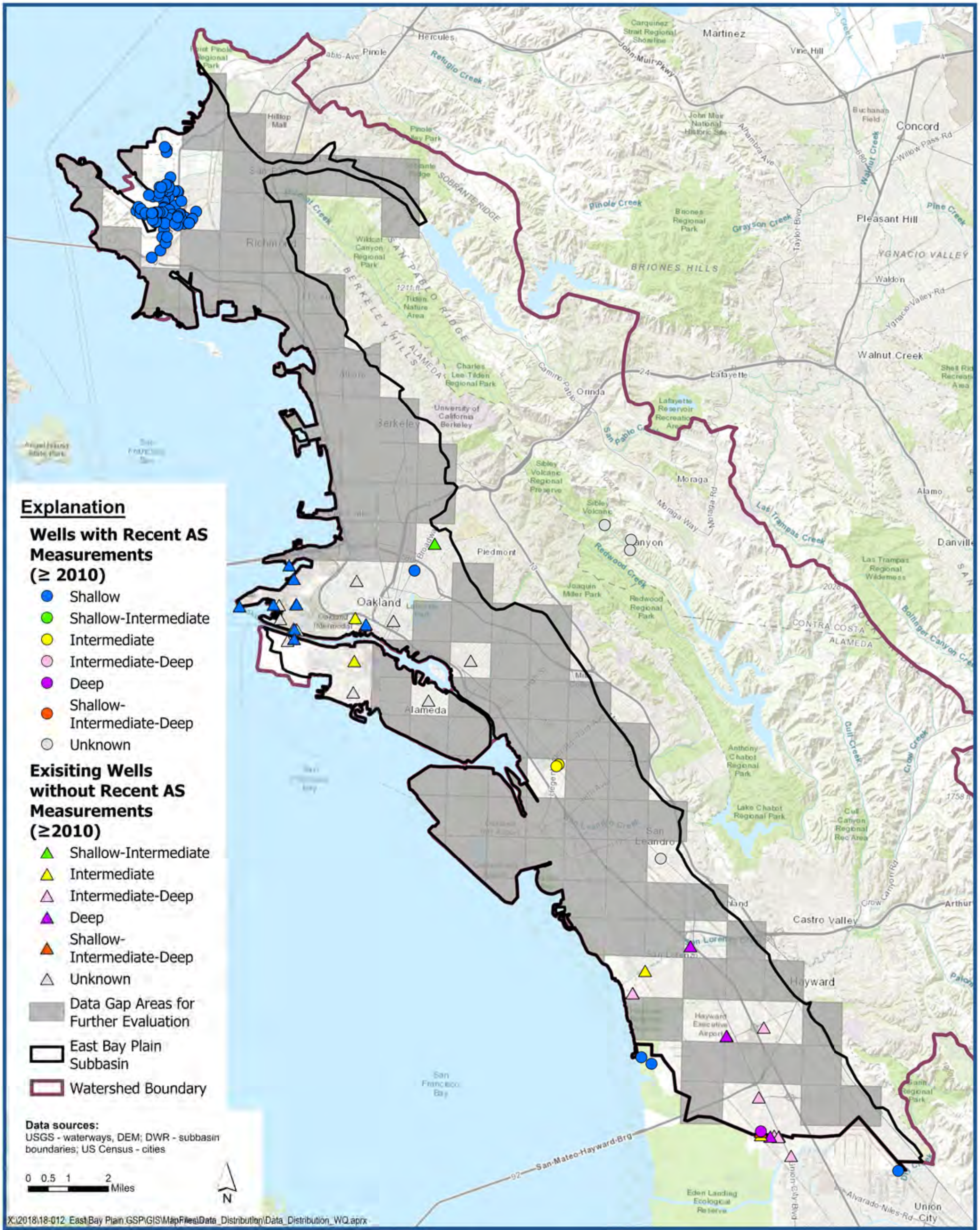
X:\2018\18-012 East Bay Plain GSP\GIS\MapFiles\Data_Distribution\Data_Distribution_WQ.aprx

LSCE TEAM

Water Quality Measurement Data Gap Areas for Further Evaluation for Wells Deeper than 50-feet - NO3N

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-7

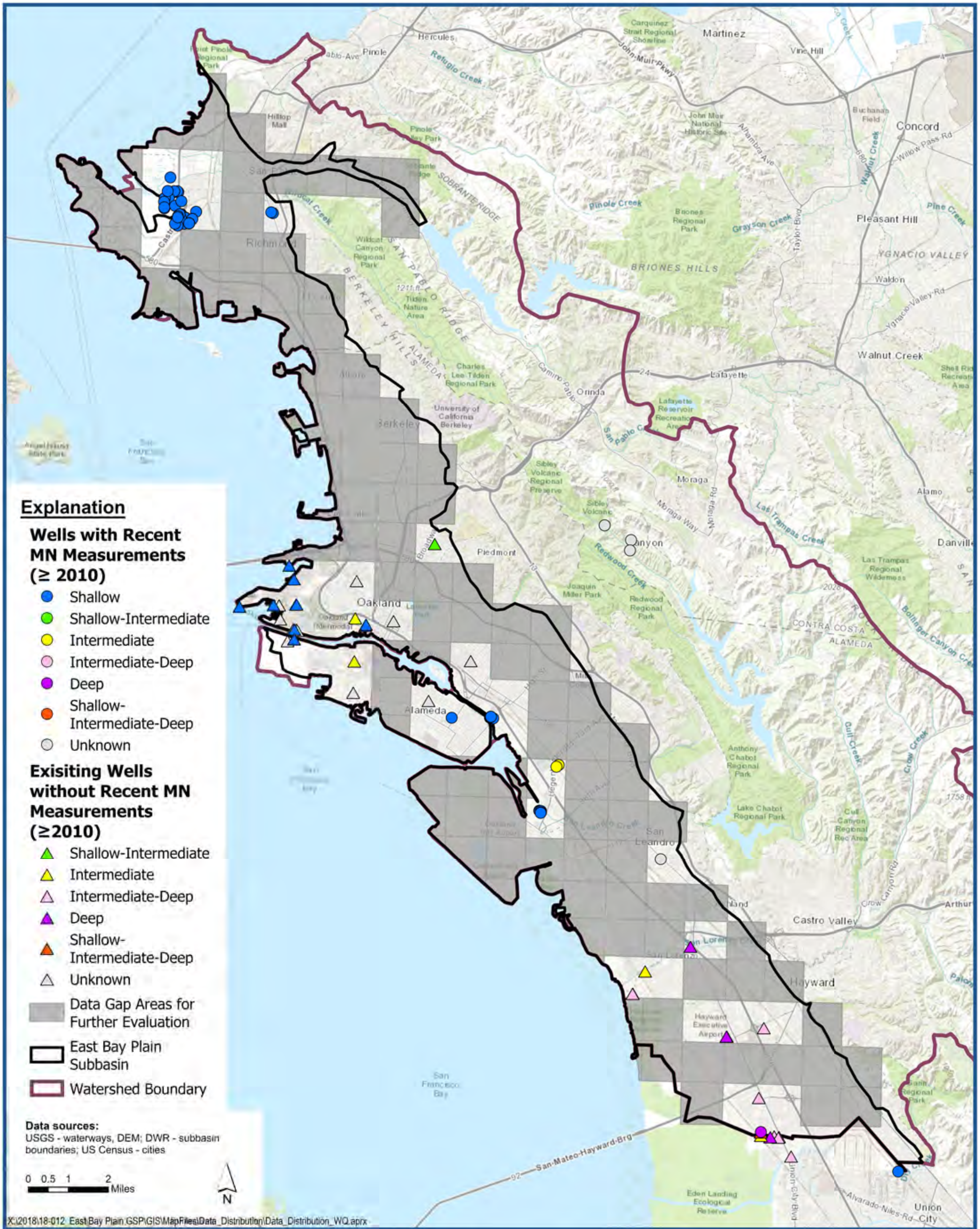


LSCE TEAM

Water Quality Measurement Data Gap Areas for Further Evaluation for Wells Deeper than 50-feet - AS

Figure 5-8

East Bay Plain Subbasin
Groundwater Sustainability Plan



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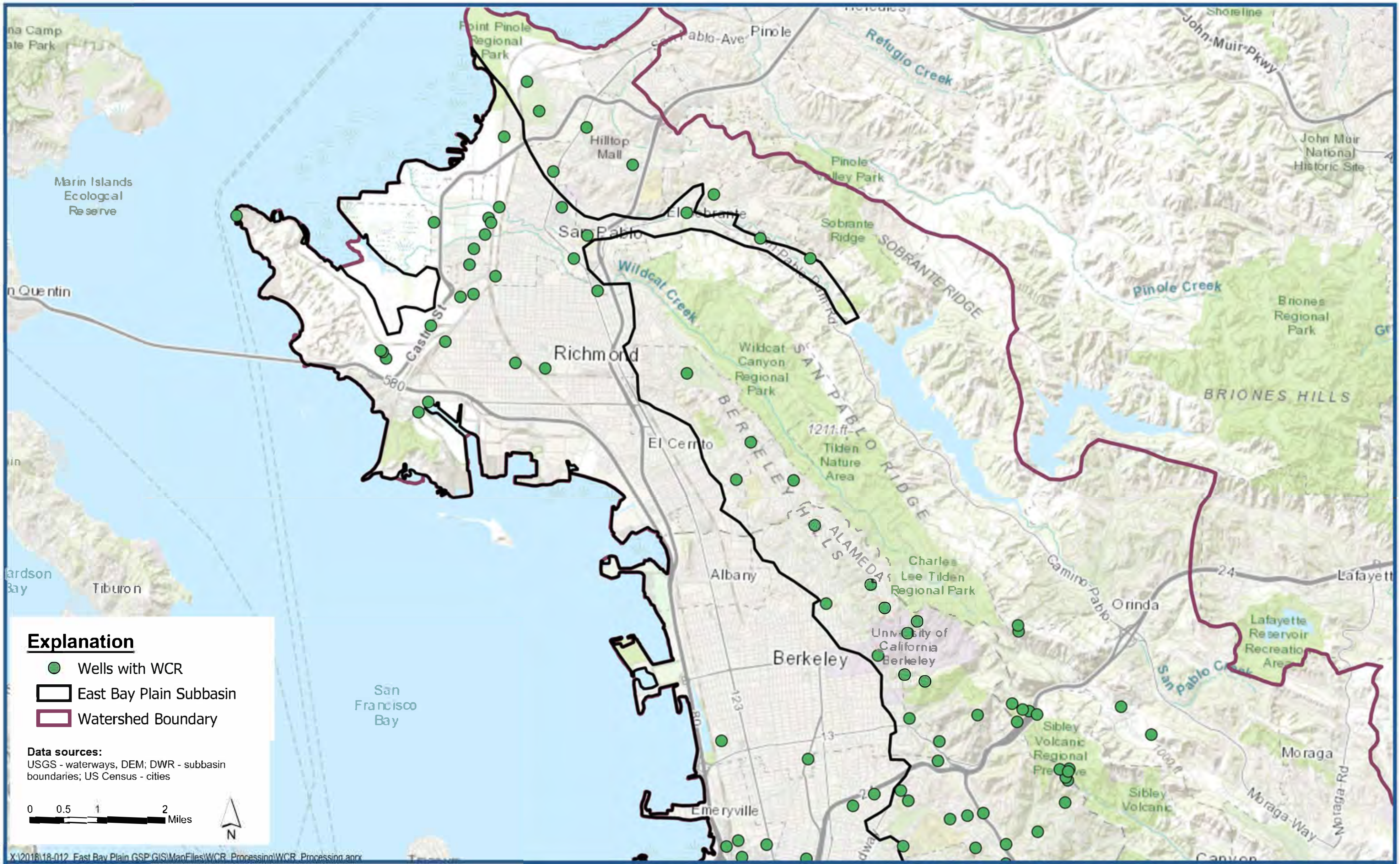
Water Quality Measurement Data Gap Areas for Further Evaluation for Wells Deeper than 50-feet - MN

Figure 5-9

East Bay Plain Subbasin
Groundwater Sustainability Plan

Appendix A

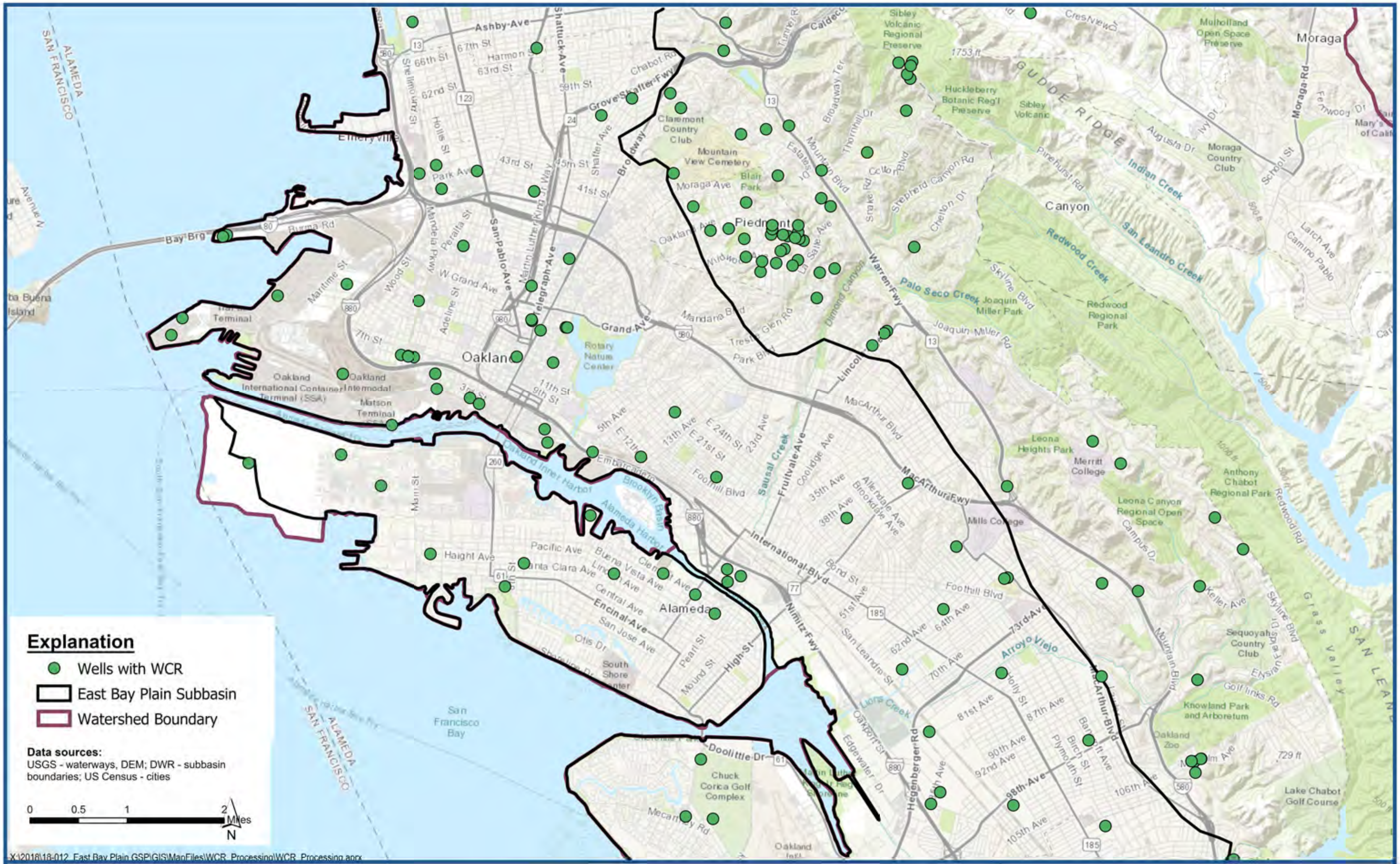


Wells with WCRs Equal or Deeper than 100 feet: North Region

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure A-1

LSCE TEAM



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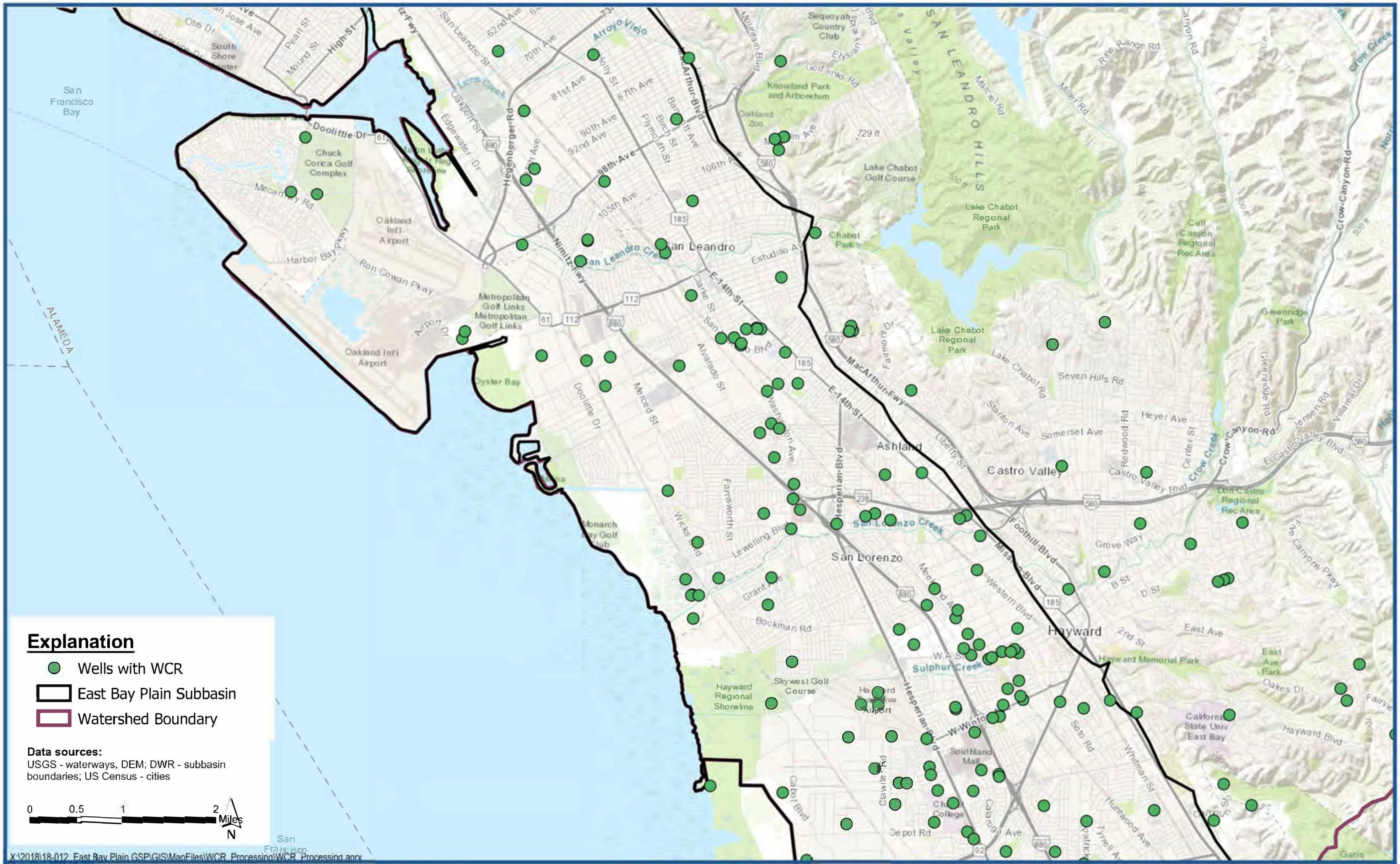
Wells with WCRs Equal or Deeper than 100 feet: Oakland Region

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure A-2



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

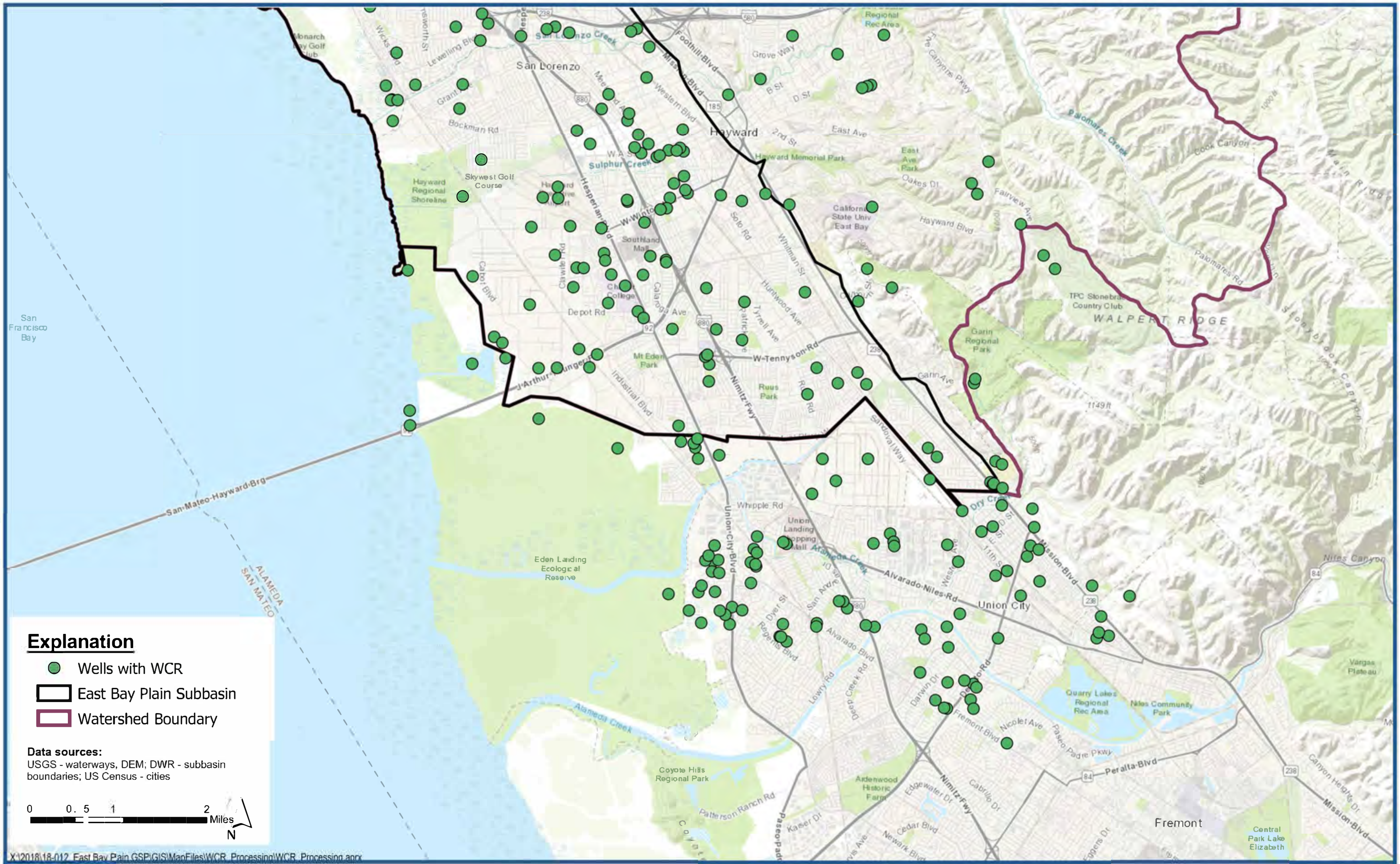
X:\2018\18-012_East Bay Plain GSP\GIS\MapFiles\WCR_Processing\WCR_Processing.aprx

LSCE TEAM

Wells with WCRs Equal or Deeper than 100 feet: San Leandro/San Lorenzo Region

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure A-3



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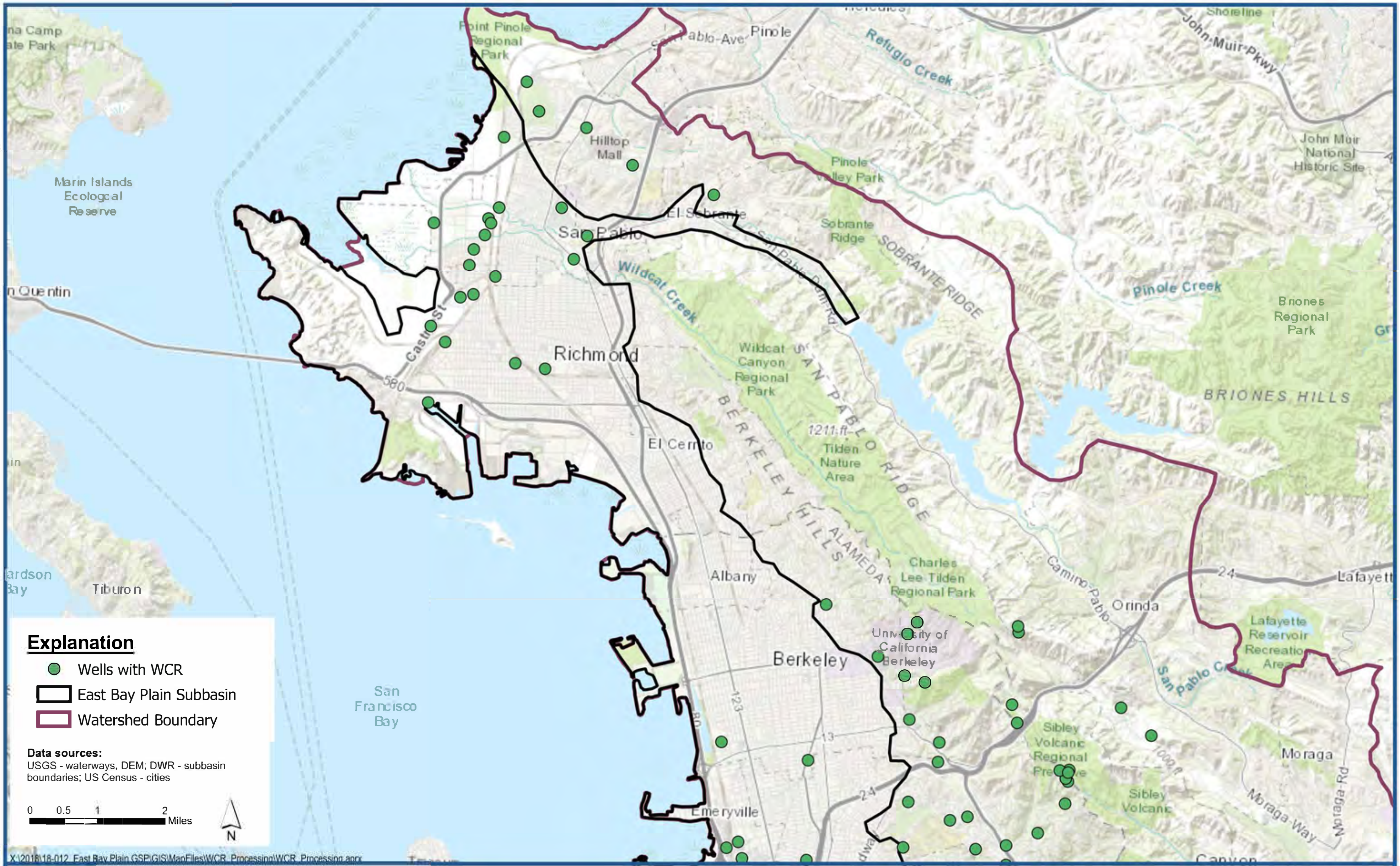
LSCE TEAM

Wells with WCRs Equal or Deeper than 100 feet: Hayward Region

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure A-4

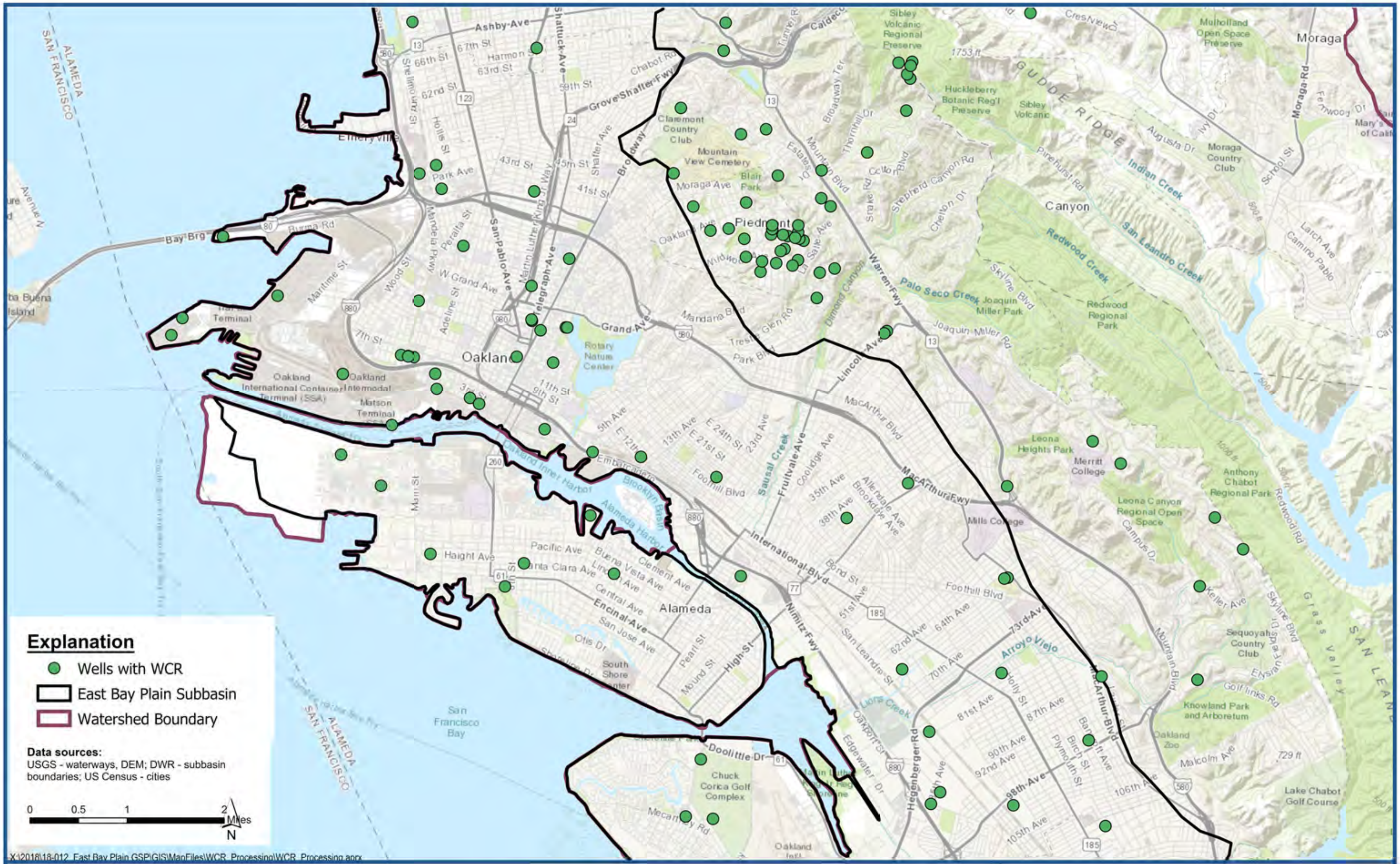


LSCE TEAM

Wells with WCRs Equal or Deeper than 200 feet: North Region

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure A-5



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

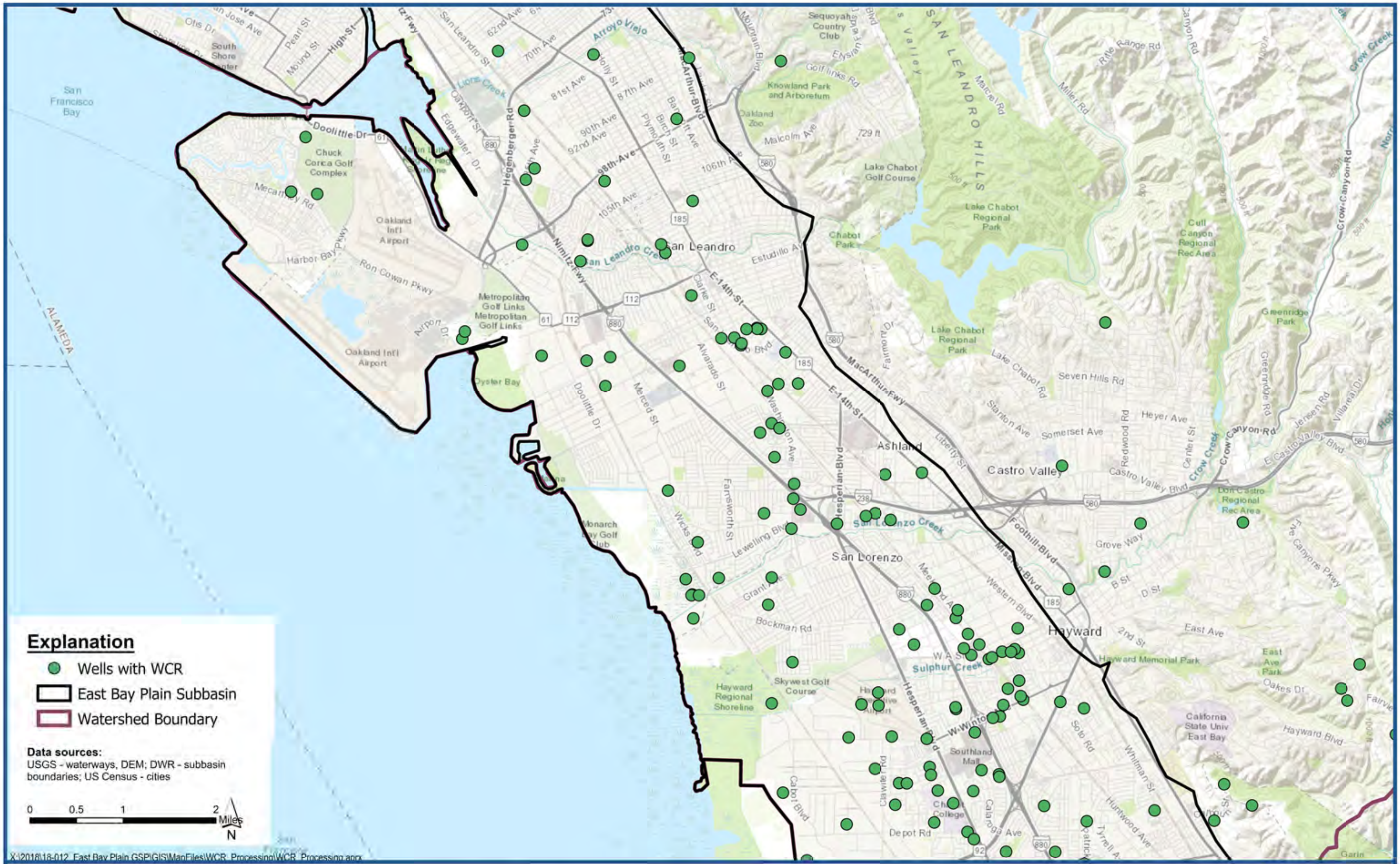
X:\2018\18-012_East Bay Plain GSP\GIS\MapFiles\WCR_Processing\WCR_Processing.aprx

LSCE TEAM

Wells with WCRs Equal or Deeper than 200 feet: Oakland Region

Figure A-6

East Bay Plain Subbasin
Groundwater Sustainability Plan

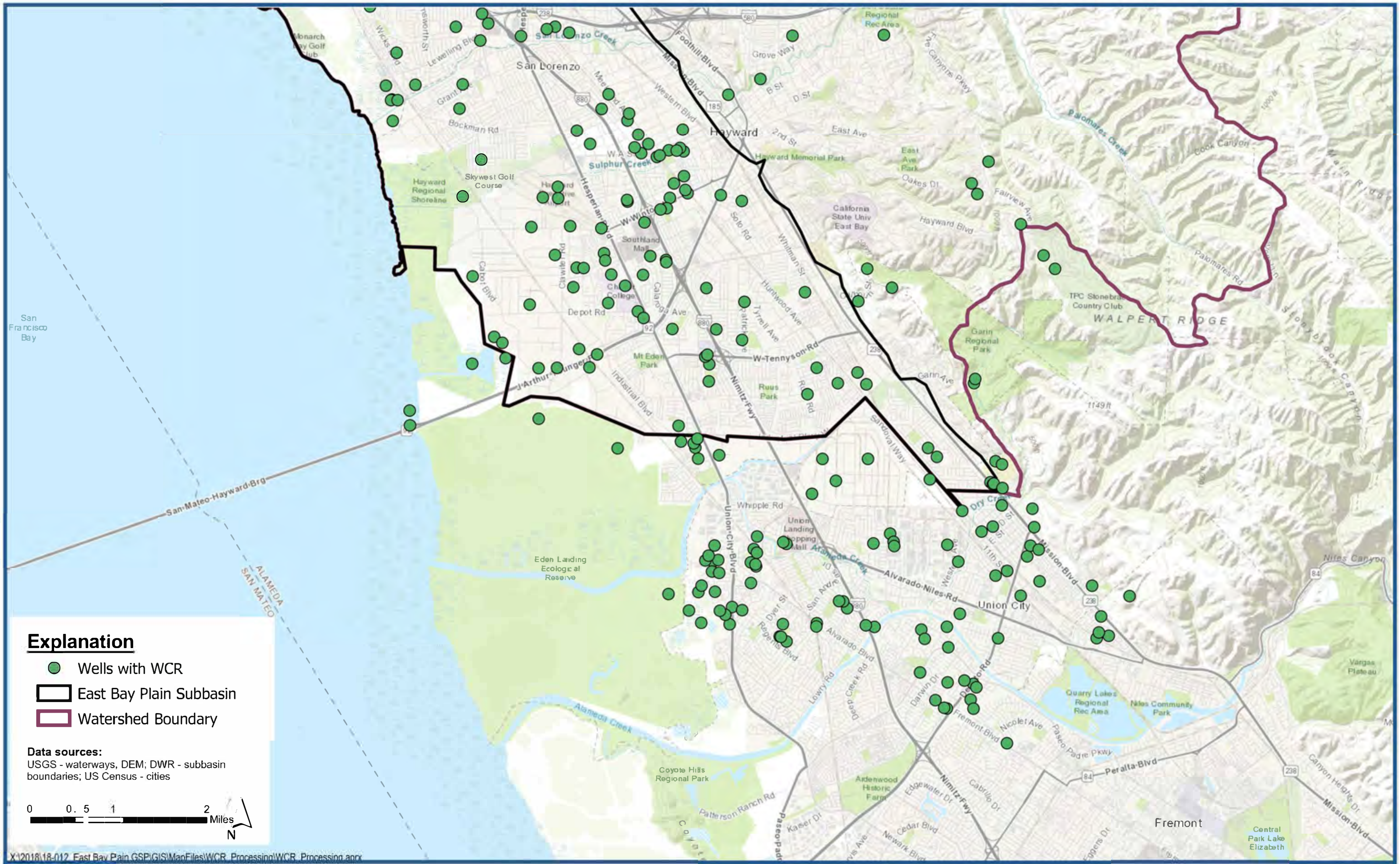


LSCE TEAM

Wells with WCRs Equal or Deeper than 200 feet: San Leandro/San Lorenzo Region

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure A-7



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

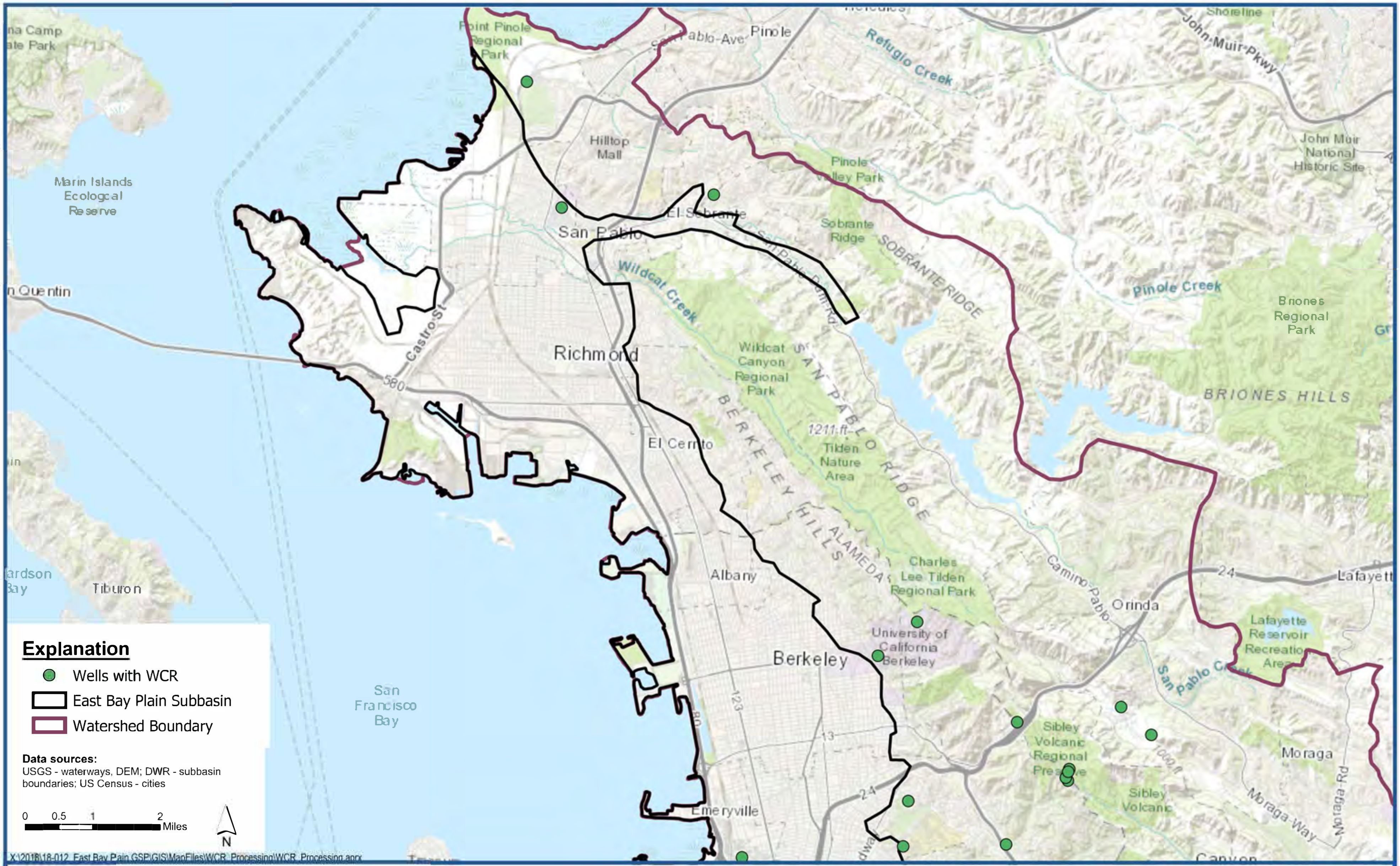
X:\2018\18-012_East Bay Plain GSP\GIS\MapFiles\WCR_Processing\WCR_Processing.aprx

LSCE TEAM

Wells with WCRs Equal or Deeper than 200 feet: Hayward Region

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure A-8

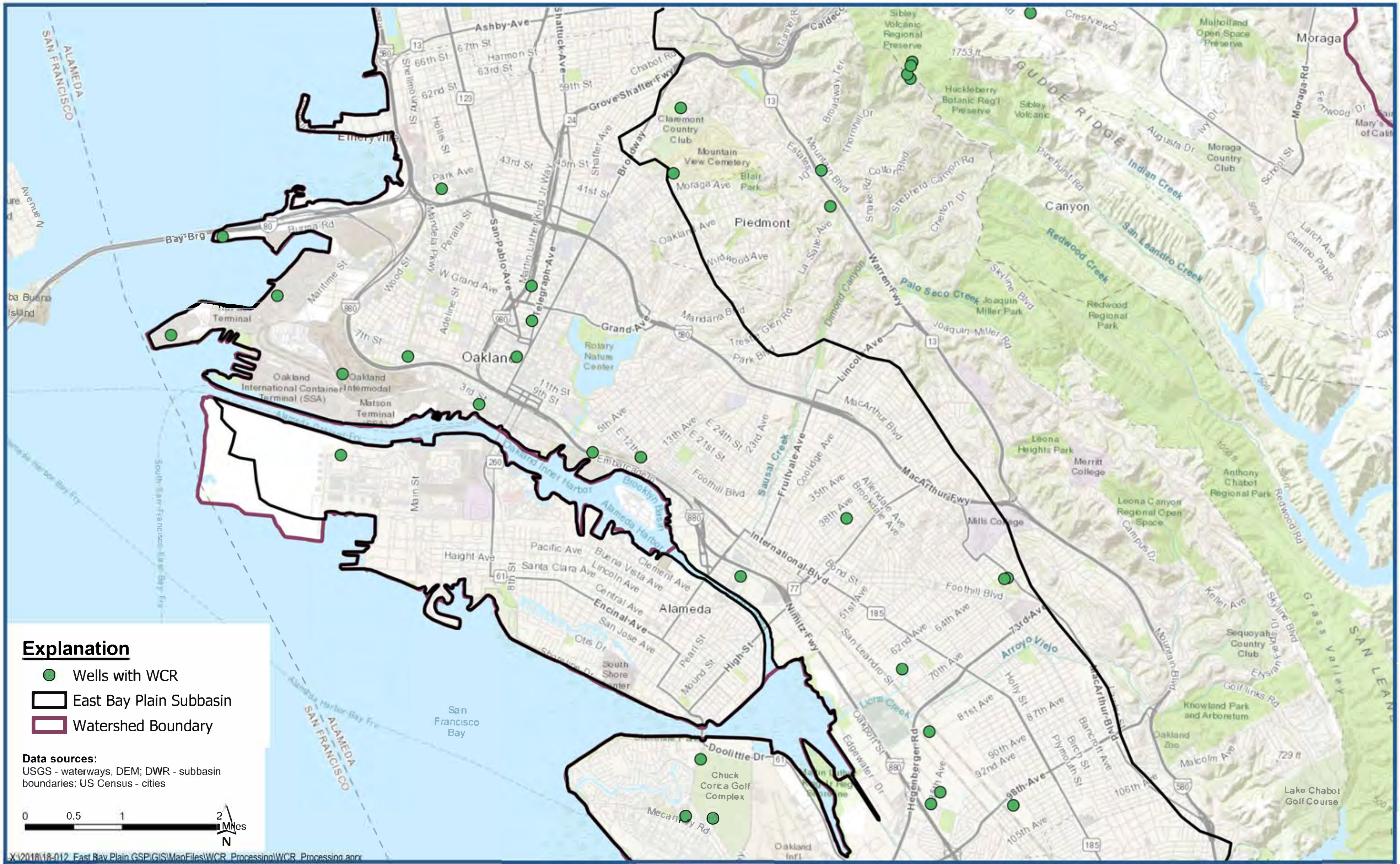


LSCE TEAM

Wells with WCRs Equal or Deeper than 400 feet: North Region

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure A-9

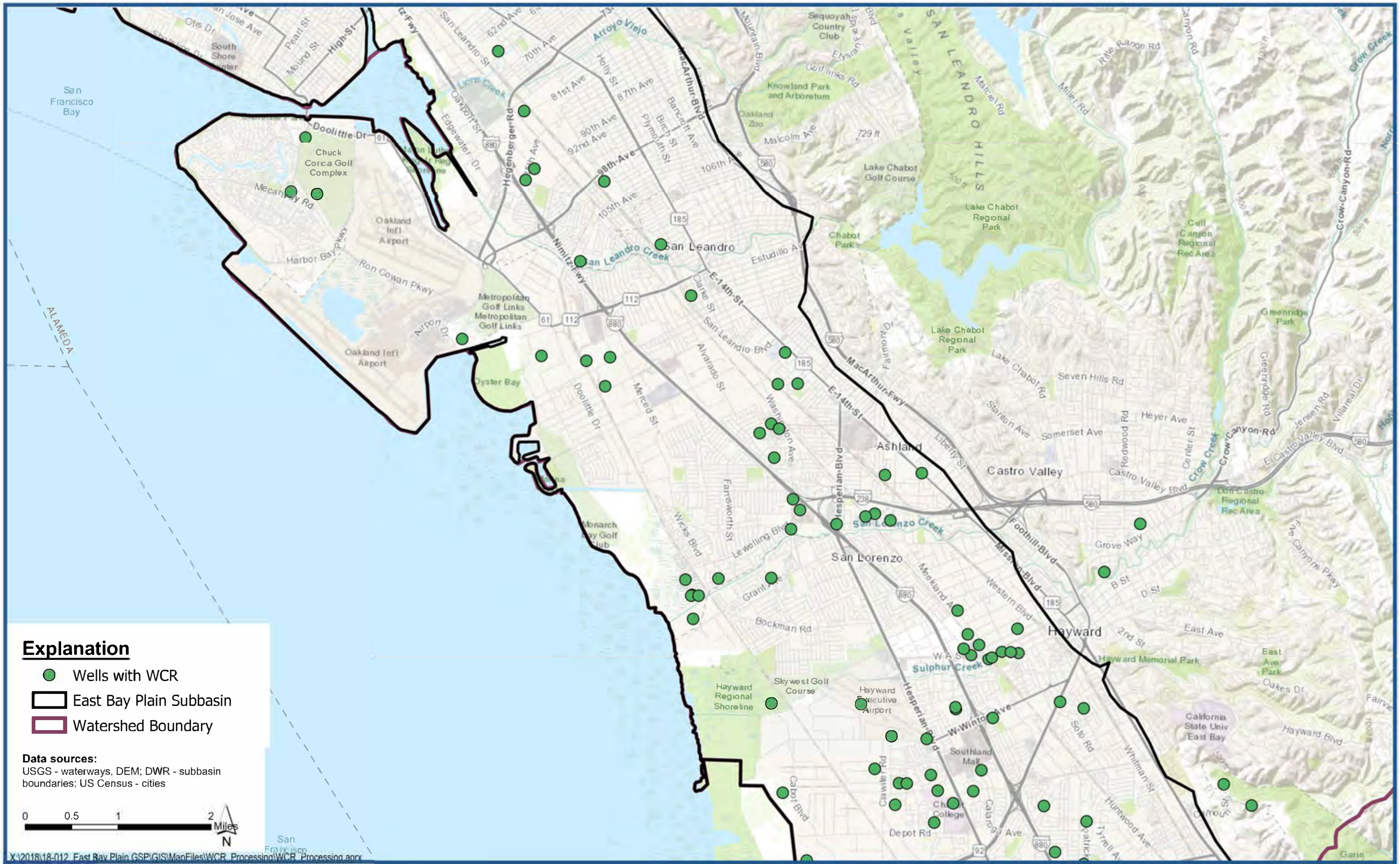


Wells with WCRs Equal or Deeper than 400 feet: Oakland Region

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure A-10

LSCE TEAM



Explanation

● Wells with WCR

☐ East Bay Plain Subbasin

☐ Watershed Boundary

Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

0 0.5 1 2 Miles N

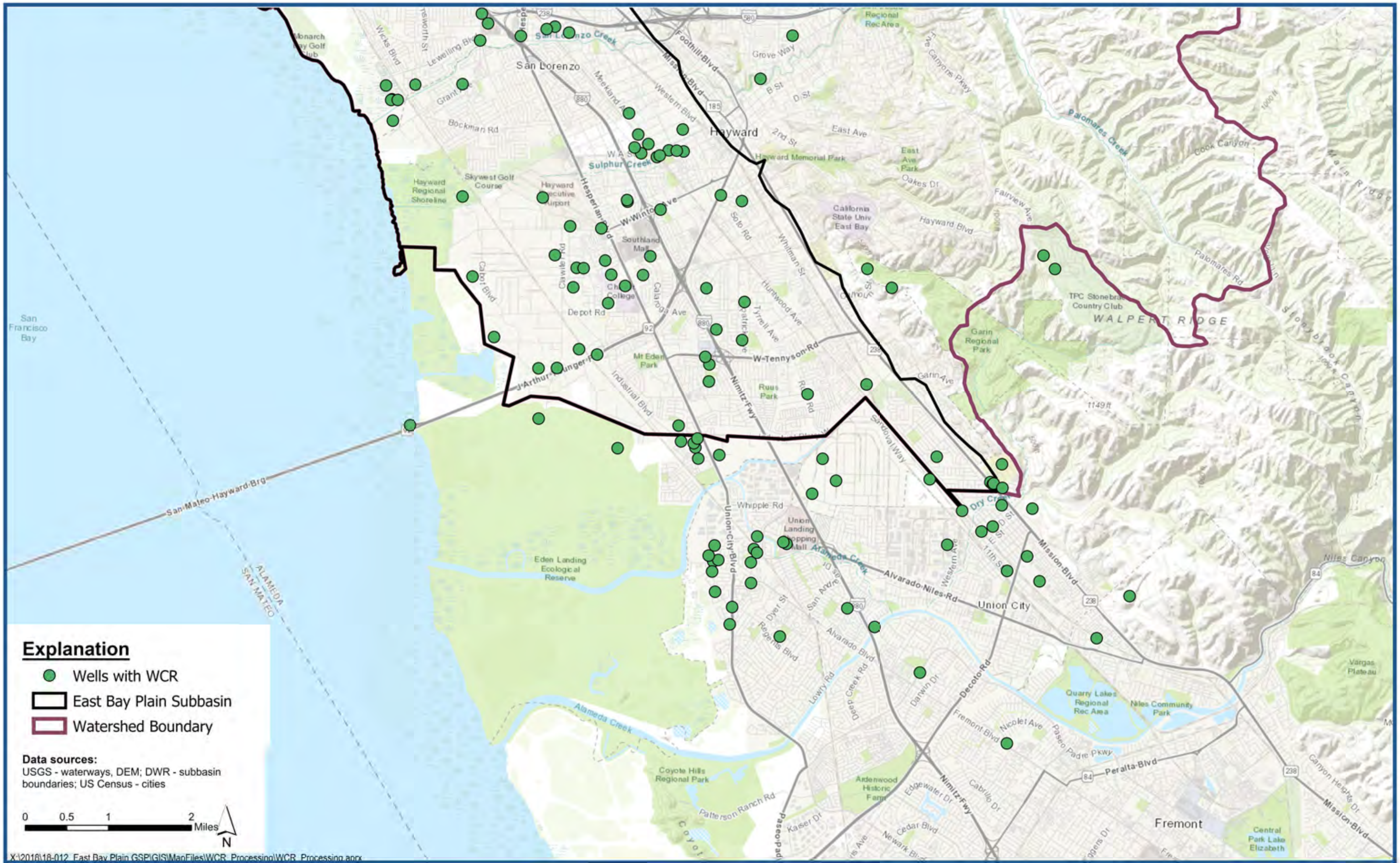
X:\2018\18-012_East Bay Plain GSP\GIS\MapFiles\WCR_Processing\WCR_Processing.aprx

LSCE TEAM

Wells with WCRs Equal or Deeper than 400 feet: San Leandro/San Lorenzo Region

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure A-11



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

X:\2018\18-012_East Bay Plain GSP\GIS\MapFiles\WCR_Processing\WCR_Processing.aprx

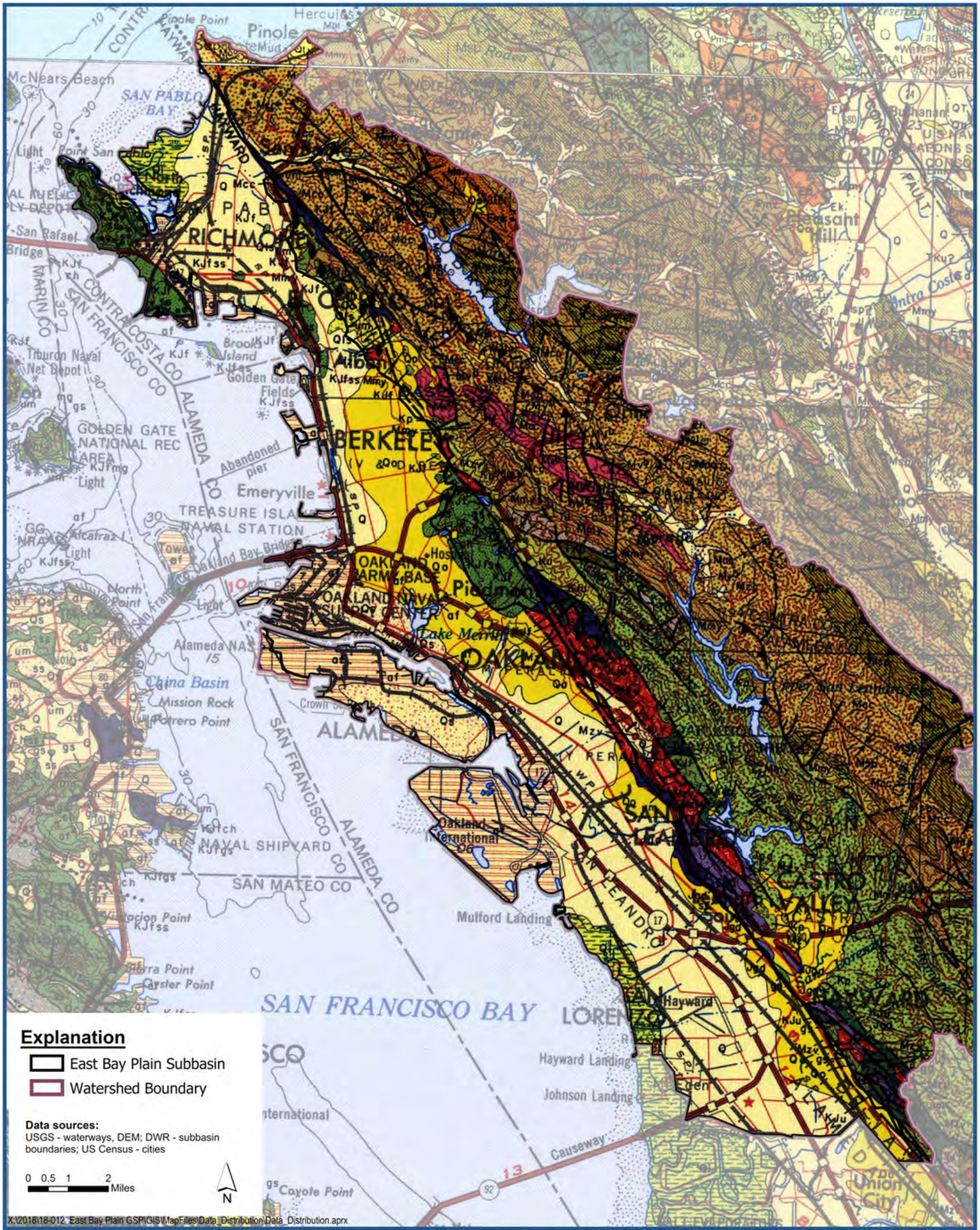
LSCE TEAM

Wells with WCRs Equal or Deeper than 400 feet: Hayward Region

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure A-12

Appendix B



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

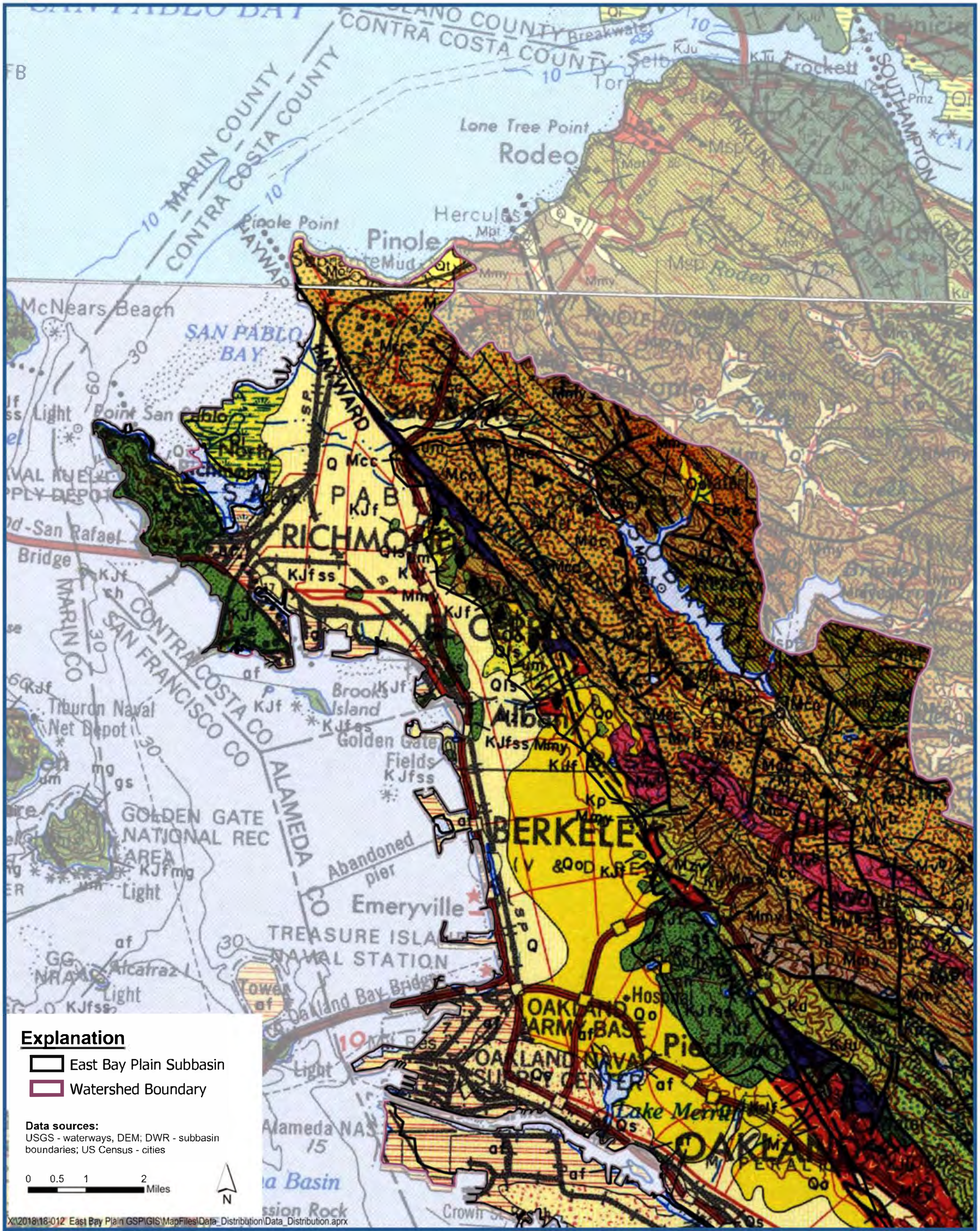
X:\2018\18-012_East Bay Plain GSP\GIS\MapFiles\Data_Distribution\Data_Distribution.aprx

LSCE TEAM

Surface Geologic Map (USGS Quads)

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure B-1



Explanation

- ▭ East Bay Plain Subbasin
- ▭ Watershed Boundary

Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

0 0.5 1 2 Miles

N

X:\2018\18-012 East Bay Plain GSP\GIS\MapFiles\Data_Distribution\Data_Distribution.aprx

LSCE TEAM

Surface Geologic Map (USGS Quads): North Region

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure B-2

Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

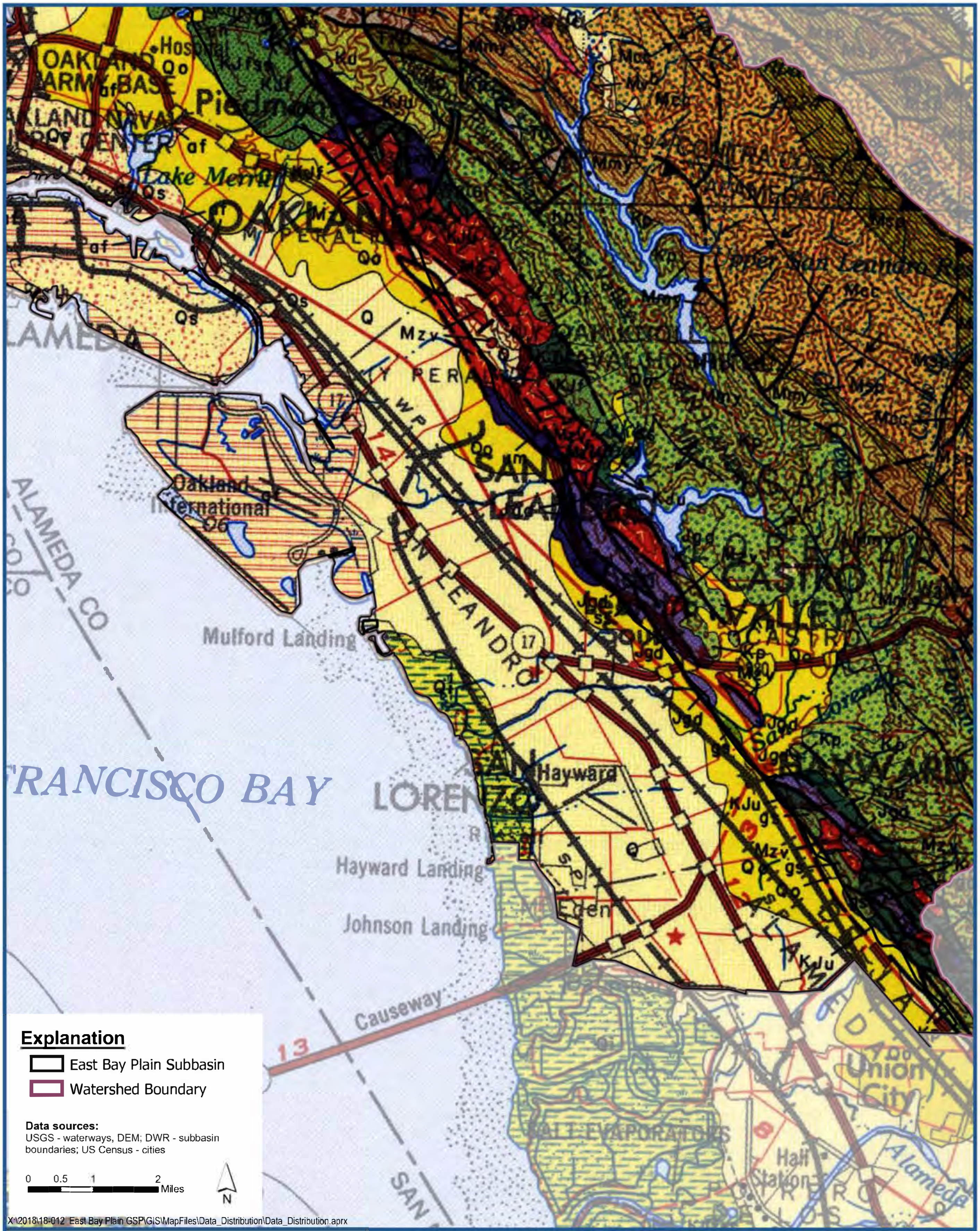
X:\2018\18-012 East Bay Plain GSP\GIS\MapFiles\Data_Distribution\Data_Distribution.aprx

LSCE TEAM

Surface Geologic Map (USGS Quads): Oakland Region

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure B-3



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

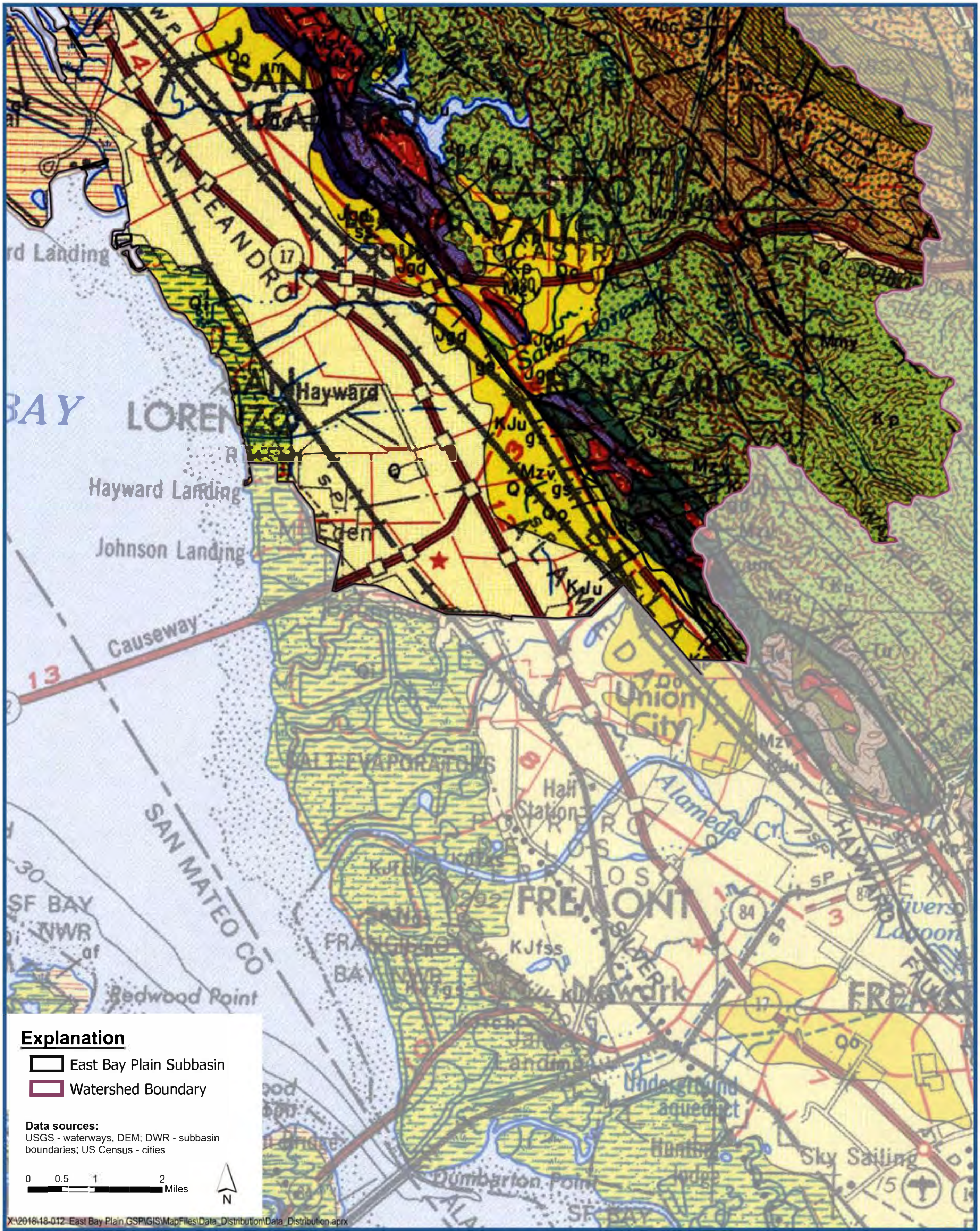
X:\2018\18-012 East Bay Plain GSP\GIS\MapFiles\Data_Distribution\Data_Distribution.aprx

LSCE TEAM

Surface Geologic Map (USGS Quads):
San Leandro/San Lorenzo Region

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure B-4



Explanation

▭ East Bay Plain Subbasin

▭ Watershed Boundary

Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

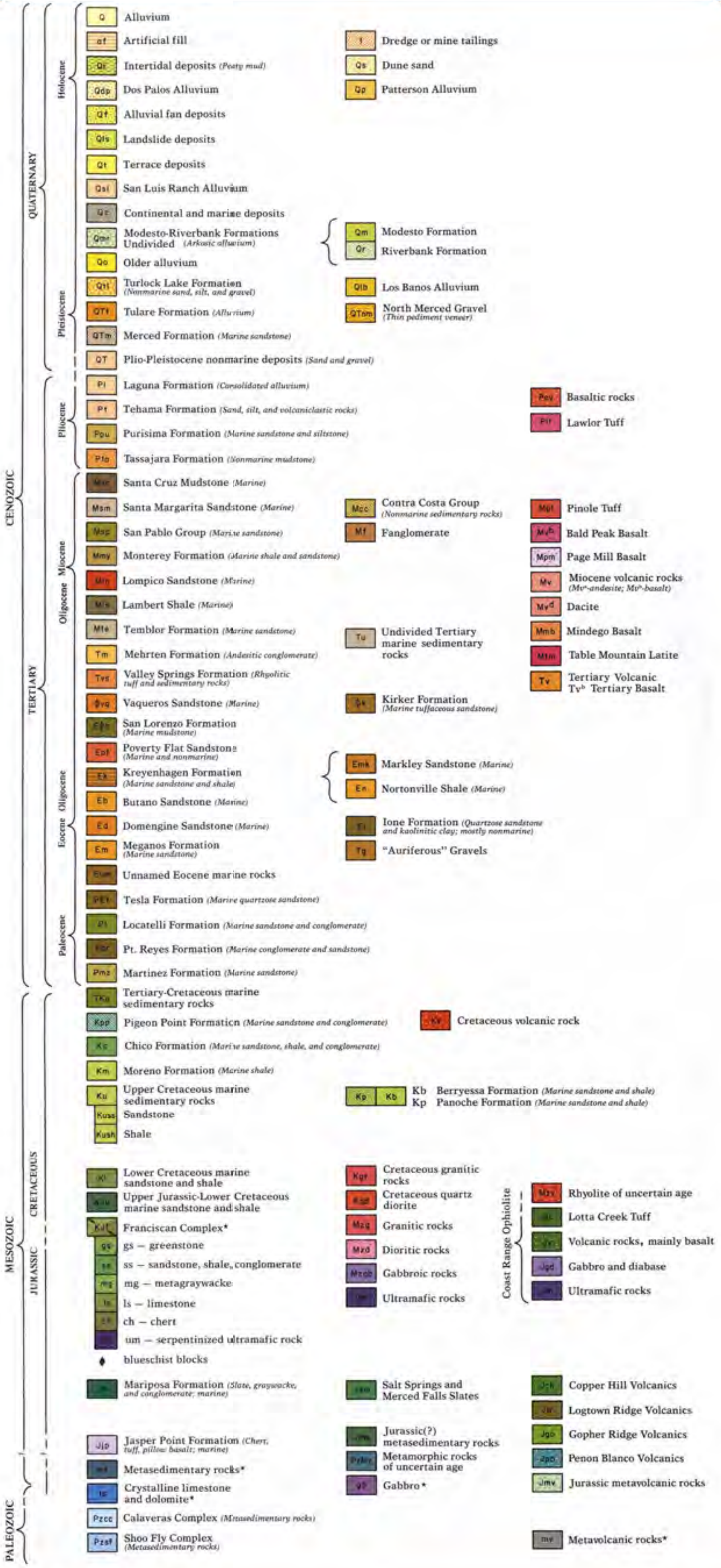
X:\2018\18-012 East Bay Plain GSP\GIS\MapFiles\Data_Distribution\Data_Distribution.aprx

LSCE TEAM

Surface Geologic Map (USGS Quads): Hayward Region

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure B-5



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LSCE TEAM

Surface Geologic Map (USGS Quads) - Legend

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure B-6

Appendix C

Table C-1. Summary of Groundwater Level Data

Well ID	Subbasin	Well Use	Total Depth	Perforations	Depth Zone	Dataset	First Measurement	Last Measurement	Period of Record	Measurement Count
01S/03W-31N01	East Bay Plain	Residential	160	100-160	Shallow	CASGEM	1993	2001	8	6
01S/04W-03H01	East Bay Plain	Irrigation	125		Shallow	CASGEM	1993	2001	8	3
01S/04W-04A01	East Bay Plain	Industrial	200		Shallow	CASGEM	1974	2001	27	26
01S/04W-04R01	East Bay Plain	Industrial	320	220-320	Intermediate	CASGEM	1993	2001	8	9
01S/04W-11K01	East Bay Plain	Irrigation	200	50-200	Shallow	CASGEM	1993	2001	8	10
01S/04W-22J01	East Bay Plain	Industrial	163		Shallow	CASGEM	1993	2001	8	4
01S/04W-23E01	East Bay Plain	Industrial	575		Deep	CASGEM	1993	2001	8	7
01S/04W-24H02	East Bay Plain	Unknown		141-361	Shallow-Intermediate	Port of Oakland	1991	1991	0	1
01S/04W-27Q01	East Bay Plain	Unknown			Unknown	Port of Oakland	1992	1992	0	1
01S/04W-35Ea	East Bay Plain	Unknown			Unknown	Port of Oakland	1982	1982	0	1
01S/04W-35Eb	East Bay Plain	Unknown			Unknown	Port of Oakland	1982	1982	0	1
01S/04W-35H01	East Bay Plain	Unknown			Unknown	Port of Oakland	1982	1982	0	1
02S/03W-06N01a	East Bay Plain	Unknown			Unknown	Port of Oakland	1982	1982	0	1
02S/03W-06N02b	East Bay Plain	Unknown			Unknown	Port of Oakland	1982	1982	0	1
02S/03W-10G01	East Bay Plain	Irrigation	440	127-437	Intermediate	CASGEM	1974	2001	27	22
02S/03W-16R01	East Bay Plain	Industrial	495	424-439, 449-464, 474-479	Intermediate	CASGEM	1989	2001	12	8
02S/03W-19Q01	East Bay Plain	Irrigation	518		Deep	CASGEM	1993	2001	8	9
02S/03W-19Q03	East Bay Plain	Unknown	1000		Deep	USGS	1999	1999	0	1
02S/03W-22P03	East Bay Plain	Industrial	300		Intermediate	CASGEM	1974	2001	27	90
02S/03W-22Q02	East Bay Plain	Industrial	944	272-944	Intermediate-Deep	CASGEM	1999	2001	2	4
02S/03W-26C03	East Bay Plain	Unknown	100		Shallow	ACPWA	1993	2001	8	0
02S/03W-27H08	East Bay Plain	Irrigation			Unknown	CASGEM	1967	2001	34	49
02S/03W-28G01	East Bay Plain	Irrigation	250		Intermediate	CASGEM	1949	2001	52	92
02S/03W-28G02	East Bay Plain	Unknown			Unknown	CASGEM	1993	2001	8	7
02S/03W-34F01	East Bay Plain	Unknown	490		Intermediate	USGS	2000	2000	0	1
02S/03W-34K07	East Bay Plain	Industrial	475	230-450	Intermediate	CASGEM	2000	2001	1	5
02S/03W-35E01	East Bay Plain	Irrigation	224	25-143	Shallow	CASGEM	1958	2001	43	62
02S/03W-35H06	East Bay Plain	Industrial	150		Shallow	CASGEM	1975	2001	26	42
02S/03W-36L01	East Bay Plain	Irrigation	120	72-114	Shallow	CASGEM	1951	2000	49	69
02S/03W-36M02	East Bay Plain	Industrial	308	116-292	Shallow-Intermediate	CASGEM	1974	2001	27	32
02S/04W-03E01	East Bay Plain	Irrigation	353	269-345	Intermediate	CASGEM	1974	2001	27	28
02S/04W-03F01	East Bay Plain	Unknown			Unknown	Port of Oakland	1982	1982	0	1
02S/04W-10H	East Bay Plain	Unknown			Unknown	Port of Oakland	1982	1982	0	1
02S/04W-12D	East Bay Plain	Unknown			Unknown	Port of Oakland	1982	1982	0	1
02S/04W-12R01	East Bay Plain	Residential	325		Intermediate	CASGEM	1974	2001	27	72
02S/04W-25A01	East Bay Plain	Irrigation	325		Intermediate	CASGEM	1974	1986	12	26
03S/02E-08R05	East Bay Plain	Unknown	85		Shallow	ACPWA	1950	2001	51	80
03S/02W-06R02	East Bay Plain	Irrigation	440	200-410	Intermediate	CASGEM	1951	2001	50	69
03S/02W-07E01	East Bay Plain	Unknown	540		Deep	USGS	2002	2007	5	3
03S/02W-07E02	East Bay Plain	Unknown	540		Deep	USGS	2002	2007	5	2
03S/02W-07G12	East Bay Plain	Unknown	595		Deep	USGS	2002	2002	0	1
03S/02W-08E01	East Bay Plain	Unknown	335		Intermediate	USGS	2008	2008	0	1
03S/02W-08E02	East Bay Plain	Unknown	210		Shallow	USGS	2008	2008	0	1
03S/02W-08E03	East Bay Plain	Unknown	120		Shallow	USGS	2008	2008	0	1
03S/02W-08L03	East Bay Plain	Irrigation	211		Intermediate	CASGEM	1958	2002	44	97
03S/02W-08R05	East Bay Plain	Residential	85		Shallow	CASGEM	2000	2002	2	3
03S/02W-17Q02	East Bay Plain	Unknown	505		Intermediate	ACPWA	1952	1980	28	53
03S/02W-19J01	East Bay Plain	Unknown	87		Shallow	USGS	1958	1978	20	192
03S/02W-20L20	East Bay Plain	Unknown	600	500-585	Deep	USGS	2002	2003	1	4
03S/02W-21D03	East Bay Plain	Unknown	220		Intermediate	USGS	1978	1978	0	1
03S/02W-21E13	East Bay Plain	Unknown	550	245-265; 440-450; 475-530	Intermediate-Deep	ACPWA	2000	2003	3	4
03S/02W-21G04	East Bay Plain	Irrigation	135		Shallow	CASGEM	1974	2002	28	72
03S/02W-27A01	East Bay Plain	Irrigation	300		Intermediate	CASGEM	1951	2002	51	77
03S/02W-27A03	East Bay Plain	Irrigation	92		Shallow	CASGEM	1972	2002	30	45
03S/02W-28D03	East Bay Plain	Residential	232	152-232	Shallow-Intermediate	CASGEM	1989	2002	13	11
03S/02W-29A03	East Bay Plain	Industrial	429	116-362	Shallow-Intermediate	CASGEM	1993	2002	9	8
03S/02W-29F04	East Bay Plain	Irrigation	120		Shallow	CASGEM	1958	2001	43	86
03S/02W-29L06	East Bay Plain	Unknown	600		Deep	USGS	2002	2002	0	1
03S/02W-30G05	East Bay Plain	Residential	75		Shallow	CASGEM	1958	2001	43	71
03S/02W-32D02	East Bay Plain	Irrigation	560	431-550	Intermediate-Deep	CASGEM	1999	2002	3	9
03S/02W-34P06	East Bay Plain	Residential	92	33-84	Shallow	CASGEM	1958	2001	43	62
03S/02W-34Q22	East Bay Plain	Unknown	80		Shallow	CASGEM	1989	2001	12	12
03S/02W-35R01	East Bay Plain	Irrigation	570	114-565	Shallow-Intermediate-Deep	CASGEM	1993	2001	8	1
03S/03W-01G01	East Bay Plain	Irrigation	701	351-685	Intermediate-Deep	CASGEM	1957	2001	44	70
03S/03W-03L23	East Bay Plain	Irrigation	630	290-610	Intermediate-Deep	CASGEM	1993	2002	9	0
03S/03W-11F01	East Bay Plain	Unknown	610		Deep	USGS	2008	2008	0	1
03S/03W-11F02	East Bay Plain	Unknown	360		Intermediate	USGS	2008	2008	0	1
03S/03W-11F03	East Bay Plain	Unknown	120		Shallow	USGS	2008	2008	0	1
03S/03W-13D07	East Bay Plain	Unknown	640		Deep	USGS	2007	2007	0	1

Table C-1. Summary of Groundwater Level Data

Well ID	Subbasin	Well Use	Total Depth	Perforations	Depth Zone	Dataset	First Measurement	Last Measurement	Period of Record	Measurement Count
03S/03W-13D08	East Bay Plain	Unknown	325		Intermediate	USGS	2008	2008	0	1
03S/03W-13D09	East Bay Plain	Unknown	210		Shallow	USGS	2008	2008	0	1
03S/03W-13M04	East Bay Plain	Unknown	655		Deep	USGS	2003	2007	4	3
03S/03W-13P05	East Bay Plain	Unknown	640		Deep	USGS	2002	2007	5	2
03S/03W-14K02	East Bay Plain	Industrial	993	162-990	Shallow-Intermediate-Deep	CASGEM	1972	2002	30	50
03S/03W-14K05	East Bay Plain	Unknown	662		Deep	USGS	2002	2002	0	2
03S/03W-14K06	East Bay Plain	Unknown	660		Deep	USGS	2000	2007	7	4
03S/03W-14K07	East Bay Plain	Unknown	660		Deep	USGS	1999	2007	8	5
03S/03W-14K08	East Bay Plain	Unknown	650		Deep	USGS	2000	2007	7	4
03S/03W-14K09	East Bay Plain	Unknown	660		Deep	USGS	1997	2000	3	3
03S/03W-14K10	East Bay Plain	Unknown	200		Shallow	USGS	2000	2007	7	4
03S/03W-14K11	East Bay Plain	Unknown	60		Shallow	USGS	2000	2002	2	3
03S/03W-14K12	East Bay Plain	Unknown	650		Deep	USGS	2000	2007	7	3
03S/03W-14K18	East Bay Plain	Unknown	860		Deep	USGS	2006	2019	13	88
03S/03W-14K19	East Bay Plain	Unknown	640		Deep	USGS	2006	2019	13	88
03S/03W-14K20	East Bay Plain	Unknown	318		Intermediate	USGS	2006	2019	13	87
03S/03W-14K21	East Bay Plain	Unknown	138		Shallow	USGS	2006	2019	13	85
03S/03W-24Q02	East Bay Plain	Residential	80		Shallow	CASGEM	1952	2001	49	64
03S/03W-25R03	East Bay Plain	Industrial	114		Shallow	CASGEM	1958	2001	43	69
03S/03W-36R02	East Bay Plain	Industrial	265		Intermediate	CASGEM	1965	2002	37	63
03S/03W-36R03	East Bay Plain	Industrial	350	303-327	Intermediate	CASGEM	1952	2002	50	170
04S/02W-04E01	East Bay Plain	Unknown	535		Deep	USGS	2002	2003	1	3
04S/02W-05A01	East Bay Plain	Unknown	535		Deep	USGS	2017	2017	0	0
176.1 (IH-150)	East Bay Plain	Observation	150	130-150	Shallow	Port of Oakland	1997	1997	0	7
176.2 (IH-50)	East Bay Plain	Observation	50	47-52	Shallow	Port of Oakland	1997	1997	0	7
211.12D2	East Bay Plain	Unknown		40-200?	Shallow	Port of Oakland	1989	1989	0	1
221.A1-MW09	East Bay Plain	Observation			Unknown	Port of Oakland	1997	1997	0	5
221.A2-MW01	East Bay Plain	Observation			Unknown	Port of Oakland	1997	1997	0	5
223.34F4	East Bay Plain	Unknown		200-380	Intermediate	Port of Oakland	1982	1982	0	1
223.3E1	East Bay Plain	Unknown		269-292; 343-345	Intermediate	Port of Oakland	1974	1995	21	29
245.A2-MW12	East Bay Plain	Observation			Unknown	Port of Oakland	1997	1997	0	5
245.A2-MW13	East Bay Plain	Observation			Unknown	Port of Oakland	1997	1997	0	3
245.BW-MW22	East Bay Plain	Observation			Unknown	Port of Oakland	1997	1997	0	4
245.PZ-11	East Bay Plain	Observation			Unknown	Port of Oakland	1997	1997	0	3
263.M-101-C	East Bay Plain	Observation			Unknown	Port of Oakland	1997	1997	0	7
EBMUD MW-1*	East Bay Plain	Observation	665	520-550: 570-590; 620-640	Deep	EBMUD	2014	2019	5	39,699
EBMUD MW-2I*	East Bay Plain	Observation	210	160-190	Shallow	EBMUD	2014	2019	5	40,356
EBMUD MW-2S	East Bay Plain	Observation	210	40-60	Shallow	EBMUD	2014	2019	5	52,869
EBMUD MW-3*	East Bay Plain	Observation	665	520-650	Deep	EBMUD	2014	2019	5	40,419
EBMUD MW-4*	East Bay Plain	Observation	705	520-650	Deep	EBMUD	2014	2019	5	40,429
EBMUD MW-5D*	East Bay Plain	Observation	1025	500-630	Deep	EBMUD	2014	2019	5	42,375
EBMUD MW-5I*	East Bay Plain	Observation	460	315-325	Intermediate	EBMUD	2014	2019	5	42,237
EBMUD MW-5S*	East Bay Plain	Observation	460	200-210	Intermediate	EBMUD	2014	2019	5	39,831
EBMUD MW-6*	East Bay Plain	Observation	1000	480-650	Deep	EBMUD	2014	2019	5	49,790
EBMUD MW-7*	East Bay Plain	Observation	680	510-630	Deep	EBMUD	2015	2019	4	121,590
EBMUD MW-8D*	East Bay Plain	Observation	910	420-480	Intermediate	EBMUD	2016	2018	2	6,953
EBMUD MW-9D*	East Bay Plain	Observation	460	325-335	Intermediate	EBMUD	2014	2019	5	42,219
EBMUD MW-9I*	East Bay Plain	Observation	460	200-210	Intermediate	EBMUD	2016	2018	2	4,962
EBMUD MW-9S*	East Bay Plain	Observation	460	110-120	Shallow	EBMUD	2016	2018	2	6,325
EBMUD MW-10D*	East Bay Plain	Observation	680	590-610	Deep	EBMUD	2014	2019	5	40,328
EBMUD MW-10I*	East Bay Plain	Observation	680	340-360	Intermediate	EBMUD	2014	2019	5	42,221
EBMUD MW-10S*	East Bay Plain	Observation	680	100-120	Shallow	EBMUD	2016	2018	2	7,000
EBMUD OW-1	East Bay Plain	Observation	300	140-220; 240-300	Shallow-Intermediate	EBMUD	2015	2018	3	7
EBMUD OW-2	East Bay Plain	Observation	400	135-195; 235-315; 335-395	Shallow-Intermediate	EBMUD	2015	2018	3	7
EBMUD OW-3	East Bay Plain	Observation	240	120-130; 150-200; 210-230	Shallow-Intermediate	EBMUD	2015	2018	3	7
EBMUD OW-4	East Bay Plain	Observation	125	28-38; 65-120	Shallow	EBMUD	2015	2018	3	7
Hayward Well 9	East Bay Plain	Unknown		156-201; 225-320; 344-363; 411-434; 481-526	Shallow-Intermediate-Deep	City of Hayward	1956	1956	0	3
Hayward Well A	East Bay Plain	Unknown			Unknown	City of Hayward	1989	1989	0	4
Hayward Well D1	East Bay Plain	Unknown			Unknown	City of Hayward	1996	1996	0	1
Hayward Well D2	East Bay Plain	Unknown		500-585	Deep	City of Hayward	1996	1996	0	12
Hayward Well E	East Bay Plain	Unknown		470-490; 500-525	Intermediate-Deep	City of Hayward	1999	1999	0	4
MW1C	East Bay Plain	Observation	157	142-152	Shallow	Port of Oakland	1997	1997	0	7
MW2C	East Bay Plain	Observation	153	138-158	Shallow	Port of Oakland	1997	1997	0	7
MW3B	East Bay Plain	Observation	85	60-80	Shallow	Port of Oakland	1997	1997	0	6
MW3C	East Bay Plain	Observation	210	185-205	Shallow	Port of Oakland	1997	1997	0	6
MW4B	East Bay Plain	Observation	85	60-80	Shallow	Port of Oakland	1997	1997	0	4
MW4C	East Bay Plain	Observation	185	160-180	Shallow	Port of Oakland	1997	1997	0	7
MW5B	East Bay Plain	Observation	85	60-80	Shallow	Port of Oakland	1997	1997	0	7
MW5C	East Bay Plain	Observation	185	160-180	Shallow	Port of Oakland	1997	1997	0	7
MW6B	East Bay Plain	Observation	85	70-80	Shallow	Port of Oakland	1997	1997	0	7
MW6C	East Bay Plain	Observation	183	168-178	Shallow	Port of Oakland	1997	1997	0	7
MW7B	East Bay Plain	Observation	85	70-80	Shallow	Port of Oakland	1997	1997	0	7

Table C-1. Summary of Groundwater Level Data

Well ID	Subbasin	Well Use	Total Depth	Perforations	Depth Zone	Dataset	First Measurement	Last Measurement	Period of Record	Measurement Count
MW7C	East Bay Plain	Observation	224	199-219	Intermediate	Port of Oakland	1997	1997	0	7
Site 433 MW-11	East Bay Plain	Observation			Unknown	Port of Oakland	1985	1985	0	0
Site 433 MW-7	East Bay Plain	Observation			Unknown	Port of Oakland	1985	1985	0	0
Site 470 W-17	East Bay Plain	Observation			Unknown	Port of Oakland	1983	1983	0	0
Site 470 W-18	East Bay Plain	Observation			Unknown	Port of Oakland	1983	1983	0	0
Site 470 W-20	East Bay Plain	Observation			Unknown	Port of Oakland	1983	1983	0	0
Site 470 W-24	East Bay Plain	Observation			Unknown	Port of Oakland	1983	1983	0	0
T0600100534-EA1	East Bay Plain	Observation			Unknown	Geotracker	2001	2001	0	2
T0600100534-EA3	East Bay Plain	Observation			Unknown	Geotracker	2001	2001	0	2
T0600100534-EA4	East Bay Plain	Observation			Unknown	Geotracker	2001	2001	0	2
T0600100534-EA5	East Bay Plain	Observation			Unknown	Geotracker	2001	2001	0	2
L10001617019-WW-10	East Bay Plain	Observation			Unknown	Geotracker	2007	2019	12	48
L10001617019-WW-5R	East Bay Plain	Observation			Unknown	Geotracker	2007	2019	12	48
L10007627566-E-21R1	East Bay Plain	Observation		50.6-55	Shallow	Geotracker	2008	2015	7	2
T0600100534-EA6	East Bay Plain	Observation			Unknown	Geotracker	2001	2001	0	2
T0600100534-EA7	East Bay Plain	Observation			Unknown	Geotracker	2001	2001	0	2
L10007627566-M-71	East Bay Plain	Observation		10-58	Shallow	Geotracker	2008	2015	7	4
L10007627566-M-72	East Bay Plain	Observation		5-56	Shallow	Geotracker	2008	2015	7	4
T0600100534-EA8	East Bay Plain	Observation			Unknown	Geotracker	2001	2001	0	2
T0600100534-EA9	East Bay Plain	Observation			Unknown	Geotracker	2001	2001	0	2
SL0600114143-MW-A1	East Bay Plain	Observation			Unknown	Geotracker	2004	2014	10	34
SL0600114143-MW-A2	East Bay Plain	Observation			Unknown	Geotracker	2004	2014	10	34
SL0600114143-MW-B1	East Bay Plain	Observation			Unknown	Geotracker	2004	2014	10	35
SL0600114143-MW-B2	East Bay Plain	Observation			Unknown	Geotracker	2004	2014	10	35
SL0600114143-MW-F1	East Bay Plain	Observation			Unknown	Geotracker	2005	2014	9	32
SL0600114143-MW-F2	East Bay Plain	Observation		44.9-60	Shallow	Geotracker	2005	2014	9	32
SL0600114143-MW-G1	East Bay Plain	Observation			Unknown	Geotracker	2005	2014	9	32
T0600100534-MW11	East Bay Plain	Observation			Unknown	Geotracker	2001	2001	0	2
T0600100534-PZ1	East Bay Plain	Observation			Unknown	Geotracker	2001	2001	0	2
T0600102136-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
T0609592137-BR02-18	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
SL0600161821-MW-21R	East Bay Plain	Observation	69.2	60-70	Shallow	Geotracker	2010	2016	6	12
SL0600161821-MW-23R	East Bay Plain	Observation	69.5	60-70	Shallow	Geotracker	2010	2016	6	12
SL0600161821-MW-25R	East Bay Plain	Observation	68	60-70	Shallow	Geotracker	2010	2016	6	12
SL0600161821-MW-28	East Bay Plain	Observation	59.05	50-60	Shallow	Geotracker	2010	2016	6	15
SL0600161821-MW-29	East Bay Plain	Observation	69.37	60-70	Shallow	Geotracker	2010	2016	6	15
SL0600161821-MW-31	East Bay Plain	Observation	59.59	49.5-60	Shallow	Geotracker	2010	2016	6	15
SL0600161821-MW-33	East Bay Plain	Observation	65.3	53-63	Shallow	Geotracker	2010	2016	6	15
SL0600161821-MW-35	East Bay Plain	Observation	70.21	55-65	Shallow	Geotracker	2010	2016	6	15
SL0600161821-MW-37	East Bay Plain	Observation	71.13	59-69	Shallow	Geotracker	2010	2016	6	12
SL0600161821-MW-38	East Bay Plain	Observation	68.7	60-70	Shallow	Geotracker	2011	2016	5	15
T0609592137-BR02-20	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
T0609592137-CHT12-03	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
T0609592137-MW01-01	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
T0609592137-MW01-02	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
T0609592137-MW02-06R	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
T0609592137-MW02-07	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
T0609592137-MW02-16	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
T0609592137-MW02-17	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
T0609592137-MW02-21	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
T0609592137-MW03-01	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
T0609592137-MW04-02	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
T0609592137-MW04-03	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
T0609592137-MW07-01	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
T0609592137-MW10-04	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
SL0601373182-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2013	2017	4	2
SL0601373182-MW2	East Bay Plain	Observation			Unknown	Geotracker	2013	2017	4	2
SL0601373182-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	20
SL0601373182-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2013	2017	4	2
SL0601373182-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2013	2017	4	14
SL0601373182-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2013	2017	4	14
SL0601373182-S-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	20
SL0601373182-S-10	East Bay Plain	Observation			Unknown	Geotracker	2015	2017	2	9
SL0601373182-S-11	East Bay Plain	Observation			Unknown	Geotracker	2015	2017	2	10
SL0601373182-S-12	East Bay Plain	Observation			Unknown	Geotracker	2015	2017	2	7
SL0601373182-S-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	17
SL0601373182-S-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	19
SL0601373182-S-4	East Bay Plain	Observation			Unknown	Geotracker	2013	2017	4	15
SL0601373182-S-5	East Bay Plain	Observation			Unknown	Geotracker	2013	2017	4	15
SL0601373182-S-6	East Bay Plain	Observation			Unknown	Geotracker	2013	2017	4	13
SL0601373182-S-7	East Bay Plain	Observation			Unknown	Geotracker	2013	2017	4	14
SL0601373182-S-8	East Bay Plain	Observation			Unknown	Geotracker	2013	2017	4	15
SL0601373182-S-9	East Bay Plain	Observation			Unknown	Geotracker	2013	2017	4	14
T0609592137-MW10-05	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
T0609592137-MW10-08	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
T0609592137-MW10-09	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
T0609592137-MW10-10	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
T0609592137-MW10-21	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
T0609592137-MW11-02	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
T0609592137-MW11-04	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
T0609592137-MW11-05	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1

Table C-1. Summary of Groundwater Level Data

Well ID	Subbasin	Well Use	Total Depth	Perforations	Depth Zone	Dataset	First Measurement	Last Measurement	Period of Record	Measurement Count
T0609592137-MW11-06	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
T0609592137-MW11-19	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
T0609592137-MW11-57	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
T0609592137-MW11-80	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
SL1823N1137-MW-3	East Bay Plain	Observation	72		Shallow	Geotracker	2009	2013	4	8
SL1823N1137-MW-4	East Bay Plain	Observation	64.5		Shallow	Geotracker	2009	2013	4	8
T0609592137-MW11-82	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
SL18332752-MW-2C	East Bay Plain	Observation		138-158	Shallow	Geotracker	2006	2018	12	21
SL18332752-MW-37C	East Bay Plain	Observation		60-65	Shallow	Geotracker	2005	2018	13	25
SL18332752-MW-42C	East Bay Plain	Observation		60-65	Shallow	Geotracker	2005	2018	13	19
SL18332752-MW-46C	East Bay Plain	Observation		60-65	Shallow	Geotracker	2005	2018	13	23
SL18332752-MW-48C	East Bay Plain	Observation		60-65	Shallow	Geotracker	2005	2018	13	21
SL18344764-FHS MW-10	East Bay Plain	Observation	51.94		Shallow	Geotracker	2007	2017	10	13
SL18344764-FHS MW-11	East Bay Plain	Observation	64		Shallow	Geotracker	2007	2014	7	12
T0609592137-MW11-83	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
T0609592137-MW11-86	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
T0609592137-MW11-88	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
T0609592137-MWT02-02	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
T0609592137-MWT06-03	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
T0609592137-MWT08-04	East Bay Plain	Observation			Unknown	Geotracker	2002	2002	0	1
T0600140375-C3B001	East Bay Plain	Observation			Unknown	Geotracker	2003	2003	0	6
T0601300708-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2003	2003	0	4
T0600101039-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2004	2004	0	1
SL20244862-AMW-10B	East Bay Plain	Observation			Unknown	Geotracker	2006	2010	4	14
SL20244862-AMW-11B	East Bay Plain	Observation			Unknown	Geotracker	2007	2010	3	7
SL20244862-AMW-12B	East Bay Plain	Observation			Unknown	Geotracker	2006	2010	4	14
SL20244862-AMW-13A	East Bay Plain	Observation			Unknown	Geotracker	2006	2007	1	7
SL20244862-AMW-2A	East Bay Plain	Observation			Unknown	Geotracker	2006	2007	1	18
SL20244862-AMW-5A	East Bay Plain	Observation			Unknown	Geotracker	2006	2010	4	9
SL20244862-AS-1	East Bay Plain	Observation			Unknown	Geotracker	2006	2006	0	1
SL20244862-AS-10	East Bay Plain	Observation			Unknown	Geotracker	2006	2006	0	1
SL20244862-AS-11	East Bay Plain	Observation			Unknown	Geotracker	2006	2006	0	1
SL20244862-AS-12	East Bay Plain	Observation			Unknown	Geotracker	2006	2006	0	1
SL20244862-AS-13	East Bay Plain	Observation			Unknown	Geotracker	2006	2006	0	1
SL20244862-AS-14	East Bay Plain	Observation			Unknown	Geotracker	2006	2006	0	1
SL20244862-AS-15	East Bay Plain	Observation			Unknown	Geotracker	2006	2006	0	1
SL20244862-AS-2	East Bay Plain	Observation			Unknown	Geotracker	2006	2006	0	1
SL20244862-AS-3	East Bay Plain	Observation			Unknown	Geotracker	2006	2006	0	1
SL20244862-AS-4	East Bay Plain	Observation			Unknown	Geotracker	2006	2006	0	1
SL20244862-AS-5	East Bay Plain	Observation			Unknown	Geotracker	2006	2006	0	1
SL20244862-AS-6	East Bay Plain	Observation			Unknown	Geotracker	2006	2006	0	1
SL20244862-AS-7	East Bay Plain	Observation			Unknown	Geotracker	2006	2006	0	1
SL20244862-AS-9	East Bay Plain	Observation			Unknown	Geotracker	2006	2006	0	1
T0600194276-FM-01	East Bay Plain	Observation			Unknown	Geotracker	2006	2006	0	1
T0600194276-FM-02	East Bay Plain	Observation			Unknown	Geotracker	2006	2006	0	1
T0600194276-FM-03	East Bay Plain	Observation			Unknown	Geotracker	2006	2006	0	1
SL20260878-MW-13B	East Bay Plain	Observation	50.5		Shallow	Geotracker	2005	2011	6	29
SL20260878-MW-17B	East Bay Plain	Observation	16.04	54.93-65	Shallow	Geotracker	2005	2016	11	41
SL372291176-B-7	East Bay Plain	Observation			Unknown	Geotracker	2005	2017	12	37
SL372291176-B-8	East Bay Plain	Observation			Unknown	Geotracker	2005	2017	12	44
SL599992806-SMP-1	East Bay Plain	Observation			Unknown	Geotracker	2005	2006	1	3
SL599992806-SMP-2	East Bay Plain	Observation			Unknown	Geotracker	2005	2006	1	3
SL599992806-SMP-3	East Bay Plain	Observation			Unknown	Geotracker	2005	2006	1	3
SL599992806-SMP-4	East Bay Plain	Observation			Unknown	Geotracker	2005	2006	1	3
SL600192808-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2005	2007	2	10
SL600192808-MW-10	East Bay Plain	Observation			Unknown	Geotracker	2005	2015	10	40
SL600192808-MW-11	East Bay Plain	Observation			Unknown	Geotracker	2005	2015	10	31
SL600192808-MW-12	East Bay Plain	Observation			Unknown	Geotracker	2005	2015	10	40
SL600192808-MW-13	East Bay Plain	Observation			Unknown	Geotracker	2005	2015	10	39
SL600192808-MW-14	East Bay Plain	Observation			Unknown	Geotracker	2005	2015	10	40
SL600192808-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2005	2015	10	29
SL600192808-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2005	2015	10	40
SL600192808-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2005	2015	10	39
SL600192808-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2005	2015	10	40
SL600192808-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2005	2015	10	28
SL600192808-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2005	2015	10	29
SL600192808-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2005	2008	3	11
SL600192808-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2005	2015	10	40
SL600192808-RW-1	East Bay Plain	Observation			Unknown	Geotracker	2013	2014	1	5
SL600192808-SVP-1	East Bay Plain	Observation			Unknown	Geotracker	2013	2014	1	2
SLT19735483-MW-01	East Bay Plain	Observation			Unknown	Geotracker	2008	2017	9	10
SLT19735483-MW-02	East Bay Plain	Observation			Unknown	Geotracker	2008	2017	9	10
SLT19735483-MW-03	East Bay Plain	Observation			Unknown	Geotracker	2008	2017	9	10
SLT19735483-MW-04	East Bay Plain	Observation			Unknown	Geotracker	2008	2017	9	10
SLT2O07076-MW-17	East Bay Plain	Observation			Unknown	Geotracker	2009	2018	9	9
SLT2O07076-MW-18	East Bay Plain	Observation			Unknown	Geotracker	2009	2018	9	12
SLT2O07076-MW-19A	East Bay Plain	Observation			Unknown	Geotracker	2009	2018	9	11
SLT2O07076-MWX-10A	East Bay Plain	Observation			Unknown	Geotracker	2009	2018	9	9
SLT2O07076-MWX-11A	East Bay Plain	Observation			Unknown	Geotracker	2009	2015	6	8
SLT2O07076-MWX-2	East Bay Plain	Observation			Unknown	Geotracker	2009	2015	6	7
SLT2O07076-MWX-3	East Bay Plain	Observation			Unknown	Geotracker	2009	2018	9	8

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Well ID	Subbasin	Well Use	Total Depth	Perforations	Depth Zone	Dataset	First Measurement	Last Measurement	Period of Record	Measurement Count
SLT2O07076-MWX-6	East Bay Plain	Observation			Unknown	Geotracker	2009	2018	9	9
SLT2O07076-MWX-8	East Bay Plain	Observation			Unknown	Geotracker	2009	2018	9	9
SLT2O07076-MWX-9	East Bay Plain	Observation			Unknown	Geotracker	2009	2018	9	8
SLT2O235331-MW-31	East Bay Plain	Observation			Unknown	Geotracker	2013	2019	6	12
SLT2O235331-MW-32	East Bay Plain	Observation			Unknown	Geotracker	2013	2019	6	11
SLT2O235331-MW-33	East Bay Plain	Observation			Unknown	Geotracker	2013	2019	6	11
SLT2O235331-MW-34	East Bay Plain	Observation			Unknown	Geotracker	2013	2019	6	11
SLT2O235331-MW-35	East Bay Plain	Observation			Unknown	Geotracker	2013	2019	6	9
SLT2O235331-OW-1	East Bay Plain	Observation			Unknown	Geotracker	2013	2019	6	7
SLT2O235331-OW-12	East Bay Plain	Observation			Unknown	Geotracker	2013	2019	6	9
SLT2O235331-OW-17	East Bay Plain	Observation			Unknown	Geotracker	2013	2019	6	11
SLT2O235331-OW-18	East Bay Plain	Observation			Unknown	Geotracker	2013	2019	6	11
SLT2O235331-OW-19	East Bay Plain	Observation			Unknown	Geotracker	2013	2019	6	12
SLT2O235331-OW-21	East Bay Plain	Observation			Unknown	Geotracker	2013	2019	6	12
SLT2O235331-OW-23	East Bay Plain	Observation			Unknown	Geotracker	2013	2019	6	12
SLT2O235331-OW-24	East Bay Plain	Observation			Unknown	Geotracker	2013	2019	6	12
SLT2O235331-OW-8	East Bay Plain	Observation			Unknown	Geotracker	2013	2019	6	11
SLT2O235331-OW-9	East Bay Plain	Observation			Unknown	Geotracker	2013	2019	6	11
T0600100069-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2001	2009	8	32
T0600100069-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2001	2009	8	32
T0600100069-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2001	2009	8	31
T0600100069-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2001	2009	8	31
T0600100069-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2005	2009	4	16
T0600100081-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	23
T0600100081-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	23
T0600100081-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	23
T0600100081-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	23
T0600100081-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	23
T0600100081-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	23
T0600100081-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2009	2013	4	10
T0600100081-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2009	2013	4	10
T0600100081-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2009	2013	4	10
T0600100081-RW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	23
T0600100081-S-5	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	20
T0600100083-A-1	East Bay Plain	Observation			Unknown	Geotracker	2006	2011	5	3
T0600100083-A-2	East Bay Plain	Observation			Unknown	Geotracker	2006	2011	5	3
T0600100083-A-3	East Bay Plain	Observation			Unknown	Geotracker	2010	2011	1	1
T0600100083-A-4	East Bay Plain	Observation			Unknown	Geotracker	2006	2011	5	3
T0600100083-A-5	East Bay Plain	Observation			Unknown	Geotracker	2006	2011	5	3
T0600100092-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2003	2005	2	12
T0600100092-MW-10	East Bay Plain	Observation			Unknown	Geotracker	2003	2005	2	12
T0600100092-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2003	2005	2	12
T0600100092-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2003	2005	2	12
T0600100092-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2003	2005	2	12
T0600100092-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2003	2005	2	12
T0600100092-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2003	2005	2	12
T0600100092-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2003	2005	2	12
T0600100093-MW-11	East Bay Plain	Observation			Unknown	Geotracker	2002	2004	2	6
T0600100094-A-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2008	6	22
T0600100094-A-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2010	8	28
T0600100094-A-4	East Bay Plain	Observation			Unknown	Geotracker	2002	2010	8	28
T0600100094-A-5	East Bay Plain	Observation			Unknown	Geotracker	2002	2010	8	25
T0600100094-AR-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2008	6	22
T0600100097-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	38
T0600100097-MW-10	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	38
T0600100097-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	38
T0600100097-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	38
T0600100097-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	38
T0600100097-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	38
T0600100097-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	38
T0600100097-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	38
T0600100097-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	30
T0600100097-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	38
T0600100097-RW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	37
T0600100103-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2009	7	18
T0600100103-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2009	7	18
T0600100103-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2009	7	18
T0600100103-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2002	2009	7	18
T0600100103-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2002	2009	7	16
T0600100103-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2002	2009	7	18
T0600100103-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2002	2009	7	18
T0600100104-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2007	5	17
T0600100104-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2007	5	17
T0600100104-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2002	2007	5	17
T0600100104-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2002	2007	5	17
T0600100104-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2002	2007	5	17
T0600100104-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2002	2007	5	17
T0600100104-RW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2007	5	17
T0600100106-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2019	17	49
T0600100106-MW-10	East Bay Plain	Observation			Unknown	Geotracker	2018	2019	1	2
T0600100106-MW-11	East Bay Plain	Observation			Unknown	Geotracker	2018	2019	1	2

Table C-1. Summary of Groundwater Level Data

Well ID	Subbasin	Well Use	Total Depth	Perforations	Depth Zone	Dataset	First Measurement	Last Measurement	Period of Record	Measurement Count
T0600100106-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2019	17	49
T0600100106-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2019	17	49
T0600100106-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2002	2019	17	48
T0600100106-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2002	2019	17	44
T0600100106-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2002	2019	17	43
T0600100106-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2010	2019	9	17
T0600100106-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2010	2019	9	17
T0600100106-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2010	2019	9	17
T0600100108-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	40
T0600100108-MW-10	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	40
T0600100108-MW-11	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	40
T0600100108-MW-12	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	40
T0600100108-MW-13	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	40
T0600100108-MW-14	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	40
T0600100108-MW-15	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	40
T0600100108-MW-16	East Bay Plain	Observation			Unknown	Geotracker	2009	2014	5	11
T0600100108-MW-17	East Bay Plain	Observation			Unknown	Geotracker	2009	2014	5	11
T0600100108-MW-18	East Bay Plain	Observation			Unknown	Geotracker	2009	2014	5	11
T0600100108-MW-19	East Bay Plain	Observation			Unknown	Geotracker	2009	2014	5	10
T0600100108-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	40
T0600100108-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	39
T0600100108-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	40
T0600100108-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	40
T0600100108-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	33
T0600100108-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	33
T0600100108-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	38
T0600100108-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	40
T0600100110-A-10	East Bay Plain	Observation			Unknown	Geotracker	2004	2017	13	37
T0600100110-A-11	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	36
T0600100110-A-12	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	38
T0600100110-A-13	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	32
T0600100110-A-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	44
T0600100110-A-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	45
T0600100110-A-4	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	44
T0600100110-A-5	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	44
T0600100110-A-7	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	45
T0600100110-A-8	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	43
T0600100110-A-9	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	38
T0600100110-AR-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	42
T0600100110-AR-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	33
T0600100110-AR-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	41
T0600100112-A-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2010	8	21
T0600100112-A-4	East Bay Plain	Observation			Unknown	Geotracker	2002	2010	8	21
T0600100112-AR-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2010	8	19
T0600100140-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2003	2017	14	38
T0600100140-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2003	2017	14	37
T0600100196-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2005	2017	12	32
T0600100196-MW-1A	East Bay Plain	Observation			Unknown	Geotracker	2010	2014	4	9
T0600100196-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2005	2017	12	32
T0600100196-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2010	2017	7	14
T0600100196-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2005	2017	12	32
T0600100196-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2005	2017	12	32
T0600100201-DPE-1	East Bay Plain	Observation			Unknown	Geotracker	2008	2014	6	7
T0600100201-DPE-2	East Bay Plain	Observation			Unknown	Geotracker	2008	2011	3	6
T0600100201-DPE-3	East Bay Plain	Observation			Unknown	Geotracker	2008	2011	3	6
T0600100201-DPE-4	East Bay Plain	Observation			Unknown	Geotracker	2008	2011	3	6
T0600100201-EX-1	East Bay Plain	Observation			Unknown	Geotracker	2004	2014	10	31
T0600100201-EX-2	East Bay Plain	Observation			Unknown	Geotracker	2004	2014	10	30
T0600100201-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2001	2014	13	39
T0600100201-MW-10	East Bay Plain	Observation			Unknown	Geotracker	2001	2014	13	41
T0600100201-MW-11	East Bay Plain	Observation			Unknown	Geotracker	2008	2014	6	16
T0600100201-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2001	2007	6	25
T0600100201-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2001	2014	13	41
T0600100201-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2001	2014	13	43
T0600100201-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2001	2014	13	39
T0600100201-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2001	2014	13	37
T0600100201-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2001	2014	13	40
T0600100201-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2001	2014	13	41
T0600100207-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2006	2010	4	4
T0600100207-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2006	2010	4	4
T0600100207-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2006	2010	4	4
T0600100207-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2006	2010	4	4
T0600100207-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2006	2010	4	4
T0600100207-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2006	2010	4	3
T0600100207-RW-1	East Bay Plain	Observation			Unknown	Geotracker	2009	2010	1	3
T0600100208-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2001	2019	18	48
T0600100208-MW-12	East Bay Plain	Observation			Unknown	Geotracker	2015	2019	4	4
T0600100208-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2019	17	47
T0600100208-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2001	2019	18	48
T0600100208-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2001	2019	18	48
T0600100208-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2001	2019	18	44

Table C-1. Summary of Groundwater Level Data

Well ID	Subbasin	Well Use	Total Depth	Perforations	Depth Zone	Dataset	First Measurement	Last Measurement	Period of Record	Measurement Count
T0600100208-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2001	2019	18	47
T0600100208-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2001	2019	18	48
T0600100208-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2001	2019	18	48
T0600100208-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2001	2019	18	48
T0600100210-AW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	22
T0600100210-AW-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	22
T0600100210-AW-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	22
T0600100210-AW-4	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	21
T0600100210-AW-5	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	22
T0600100210-AW-6	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	22
T0600100210-AW-8	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	16
T0600100210-AW-9	East Bay Plain	Observation			Unknown	Geotracker	2007	2011	4	12
T0600100210-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	22
T0600100210-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	22
T0600100210-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	22
T0600100210-RW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	22
T0600100213-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2001	2019	18	59
T0600100213-MW-10	East Bay Plain	Observation			Unknown	Geotracker	2001	2015	14	51
T0600100213-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2001	2019	18	56
T0600100213-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2001	2019	18	51
T0600100213-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2001	2019	18	52
T0600100213-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2001	2019	18	49
T0600100213-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2001	2019	18	45
T0600100213-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2001	2019	18	51
T0600100213-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2001	2019	18	52
T0600100213-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2001	2019	18	55
T0600100213-OW-1	East Bay Plain	Observation			Unknown	Geotracker	2016	2019	3	6
T0600100213-RW-1	East Bay Plain	Observation			Unknown	Geotracker	2001	2019	18	57
T0600100217-MW-10	East Bay Plain	Observation			Unknown	Geotracker	2009	2019	10	25
T0600100217-MW-11	East Bay Plain	Observation			Unknown	Geotracker	2009	2019	10	22
T0600100217-MW-12	East Bay Plain	Observation			Unknown	Geotracker	2009	2019	10	22
T0600100217-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2019	17	9
T0600100217-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2019	17	35
T0600100217-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2002	2019	17	35
T0600100217-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2002	2019	17	42
T0600100217-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2002	2019	17	35
T0600100217-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2002	2019	17	35
T0600100217-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2002	2019	17	29
T0600100217-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2002	2019	17	32
T0600100233-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2009	2014	5	11
T0600100233-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2009	2014	5	11
T0600100249-E1	East Bay Plain	Observation			Unknown	Geotracker	2006	2008	2	5
T0600100249-E2	East Bay Plain	Observation			Unknown	Geotracker	2006	2008	2	5
T0600100249-E3	East Bay Plain	Observation			Unknown	Geotracker	2006	2008	2	5
T0600100249-E4	East Bay Plain	Observation			Unknown	Geotracker	2007	2008	1	5
T0600100249-E6	East Bay Plain	Observation			Unknown	Geotracker	2006	2008	2	5
T0600100249-E7	East Bay Plain	Observation			Unknown	Geotracker	2006	2008	2	4
T0600100249-E8	East Bay Plain	Observation			Unknown	Geotracker	2007	2008	1	5
T0600100249-E9	East Bay Plain	Observation			Unknown	Geotracker	2007	2008	1	5
T0600100249-I1	East Bay Plain	Observation			Unknown	Geotracker	2006	2008	2	5
T0600100249-MW1	East Bay Plain	Observation			Unknown	Geotracker	2003	2008	5	7
T0600100249-MW2	East Bay Plain	Observation			Unknown	Geotracker	2003	2008	5	7
T0600100249-MW4	East Bay Plain	Observation			Unknown	Geotracker	2007	2008	1	5
T0600100249-MW5	East Bay Plain	Observation			Unknown	Geotracker	2007	2008	1	5
T0600100249-MW6	East Bay Plain	Observation			Unknown	Geotracker	2007	2008	1	5
T0600100258-OW-1	East Bay Plain	Observation			Unknown	Geotracker	2004	2009	5	10
T0600100258-OW-2	East Bay Plain	Observation			Unknown	Geotracker	2004	2009	5	10
T0600100258-OW-5	East Bay Plain	Observation			Unknown	Geotracker	2004	2009	5	10
T0600100258-OW-6	East Bay Plain	Observation			Unknown	Geotracker	2004	2009	5	10
T0600100258-OW-7	East Bay Plain	Observation			Unknown	Geotracker	2004	2009	5	10
T0600100258-OW-8	East Bay Plain	Observation			Unknown	Geotracker	2004	2009	5	10
T0600100292-C-12	East Bay Plain	Observation			Unknown	Geotracker	2002	2010	8	15
T0600100292-C-17	East Bay Plain	Observation			Unknown	Geotracker	2002	2008	6	4
T0600100292-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2010	8	15
T0600100302-C-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	26
T0600100302-C-10	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	31
T0600100302-C-11	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	31
T0600100302-C-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	28
T0600100302-C-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	26
T0600100302-C-7	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	26
T0600100302-C-8	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	26
T0600100302-C-9	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	31
T0600100328-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2002	2007	5	9
T0600100334-B-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2006	4	54
T0600100339-C-5	East Bay Plain	Observation			Unknown	Geotracker	2002	2019	17	50
T0600100339-C-6	East Bay Plain	Observation	53.65		Shallow	Geotracker	2002	2019	17	50
T0600100339-C-7	East Bay Plain	Observation	50.93		Shallow	Geotracker	2002	2019	17	45
T0600100339-C-8	East Bay Plain	Observation	56.01		Shallow	Geotracker	2002	2019	17	52
T0600100339-C-9	East Bay Plain	Observation			Unknown	Geotracker	2002	2019	17	44
T0600100375-MW-18	East Bay Plain	Observation			Unknown	Geotracker	2003	2017	14	2
T0600100379-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2007	2012	5	13

Table C-1. Summary of Groundwater Level Data

Well ID	Subbasin	Well Use	Total Depth	Perforations	Depth Zone	Dataset	First Measurement	Last Measurement	Period of Record	Measurement Count
T0600100379-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2007	2012	5	13
T0600100379-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2007	2012	5	13
T0600100379-W-IND	East Bay Plain	Observation			Unknown	Geotracker	2007	2012	5	13
T0600100472-EW-1	East Bay Plain	Observation			Unknown	Geotracker	2007	2019	12	36
T0600100472-MW-V	East Bay Plain	Observation			Unknown	Geotracker	2002	2019	17	58
T0600100472-MW-W	East Bay Plain	Observation			Unknown	Geotracker	2002	2019	17	53
T0600100472-MW-X	East Bay Plain	Observation			Unknown	Geotracker	2002	2019	17	60
T0600100472-MW-Y	East Bay Plain	Observation			Unknown	Geotracker	2002	2019	17	59
T0600100472-MW-Z	East Bay Plain	Observation			Unknown	Geotracker	2002	2019	17	58
T0600100483-MW-1A	East Bay Plain	Observation			Unknown	Geotracker	2002	2008	6	21
T0600100483-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2006	4	12
T0600100483-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2002	2008	6	21
T0600100552-MW1	East Bay Plain	Observation			Unknown	Geotracker	2002	2007	5	12
T0600100552-MW14	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	36
T0600100552-MW2	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	34
T0600100552-MW3	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	37
T0600100552-MW6	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	33
T0600100555-EW1	East Bay Plain	Observation			Unknown	Geotracker	2003	2011	8	25
T0600100555-EW3	East Bay Plain	Observation			Unknown	Geotracker	2003	2011	8	27
T0600100555-EW5	East Bay Plain	Observation			Unknown	Geotracker	2003	2011	8	27
T0600100555-MW1	East Bay Plain	Observation			Unknown	Geotracker	2001	2011	10	32
T0600100555-MW11	East Bay Plain	Observation			Unknown	Geotracker	2001	2011	10	31
T0600100555-MW2	East Bay Plain	Observation			Unknown	Geotracker	2001	2011	10	31
T0600100555-MW3	East Bay Plain	Observation			Unknown	Geotracker	2001	2011	10	32
T0600100555-MW4	East Bay Plain	Observation			Unknown	Geotracker	2001	2011	10	32
T0600100555-MW6	East Bay Plain	Observation			Unknown	Geotracker	2001	2011	10	32
T0600100555-MW7	East Bay Plain	Observation			Unknown	Geotracker	2001	2011	10	32
T0600100555-MW8	East Bay Plain	Observation			Unknown	Geotracker	2001	2011	10	31
T0600100555-MW9	East Bay Plain	Observation			Unknown	Geotracker	2001	2011	10	31
T0600100629-FD-1	East Bay Plain	Observation			Unknown	Geotracker	2009	2011	2	4
T0600100629-FD-2	East Bay Plain	Observation			Unknown	Geotracker	2009	2011	2	4
T0600100629-FD-3	East Bay Plain	Observation			Unknown	Geotracker	2009	2011	2	4
T0600100629-FD-4	East Bay Plain	Observation			Unknown	Geotracker	2009	2011	2	4
T0600100629-MW-1R	East Bay Plain	Observation			Unknown	Geotracker	2004	2009	5	19
T0600100639-MW-10	East Bay Plain	Observation			Unknown	Geotracker	2004	2019	15	31
T0600100639-MW-11	East Bay Plain	Observation			Unknown	Geotracker	2010	2019	9	25
T0600100639-MW-12	East Bay Plain	Observation			Unknown	Geotracker	2010	2019	9	19
T0600100639-MW-13	East Bay Plain	Observation			Unknown	Geotracker	2010	2019	9	22
T0600100639-MW-14	East Bay Plain	Observation			Unknown	Geotracker	2010	2019	9	24
T0600100639-MW-15	East Bay Plain	Observation			Unknown	Geotracker	2015	2019	4	15
T0600100639-MW-1A	East Bay Plain	Observation			Unknown	Geotracker	2010	2019	9	25
T0600100639-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2010	2019	9	24
T0600100639-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2010	2019	9	24
T0600100639-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2010	2019	9	18
T0600100639-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2010	2019	9	25
T0600100639-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2010	2019	9	25
T0600101263-AS-1	East Bay Plain	Observation			Unknown	Geotracker	2008	2008	0	2
T0600101263-S-14	East Bay Plain	Observation			Unknown	Geotracker	2008	2008	0	2
T0600101263-S-15	East Bay Plain	Observation			Unknown	Geotracker	2008	2008	0	2
T0600100666-BC-01	East Bay Plain	Observation			Unknown	Geotracker	2008	2019	11	16
T0600100666-BC-02	East Bay Plain	Observation			Unknown	Geotracker	2008	2019	11	17
T0600100666-BC-03	East Bay Plain	Observation			Unknown	Geotracker	2008	2019	11	17
T0600100672-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2008	2010	2	5
T0600100672-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2008	2010	2	5
T0600100672-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2008	2010	2	5
T0600101263-S-16	East Bay Plain	Observation			Unknown	Geotracker	2008	2008	0	2
T0600100682-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	43
T0600100682-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	44
T0600100682-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	46
T0600100682-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	46
T0600100682-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2002	2018	16	47
T0600100682-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	46
T0600100682-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2011	2017	6	14
T0600100685-MW-10	East Bay Plain	Observation		35-55	Shallow	Geotracker	2010	2018	8	15
T0600100685-MW-11	East Bay Plain	Observation		35-55	Shallow	Geotracker	2010	2018	8	15
T0600100685-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2010	2018	8	14
T0600100685-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2010	2018	8	14
T0600100685-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2010	2018	8	14
T0600100685-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2010	2018	8	15
T0600100685-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2010	2018	8	15
T0600100709-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2008	2009	1	3
T0600100709-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2008	2009	1	3
T0600100709-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2008	2009	1	3
T0600100766-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2005	2010	5	6
T0600100766-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2005	2014	9	27
T0600100766-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2005	2014	9	27
T0600100766-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2005	2014	9	25
T0600100766-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2005	2010	5	6
T0600100766-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2005	2014	9	27
T0600100766-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2007	2014	7	21
T0600100766-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2007	2014	7	21

Table C-1. Summary of Groundwater Level Data

Well ID	Subbasin	Well Use	Total Depth	Perforations	Depth Zone	Dataset	First Measurement	Last Measurement	Period of Record	Measurement Count
T0600100787-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2001	2003	2	5
T0600100787-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2001	2003	2	5
T0600100787-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2001	2003	2	5
T0600100787-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2001	2003	2	5
T0600100787-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2001	2003	2	5
T0600100787-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2001	2003	2	5
T0600100787-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2001	2003	2	5
T0600100787-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2001	2003	2	5
T0600100916-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2010	8	9
T0600100916-MW-10	East Bay Plain	Observation			Unknown	Geotracker	2002	2010	8	9
T0600100916-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2010	8	9
T0600100916-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2010	8	9
T0600100916-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2002	2010	8	9
T0600100916-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2002	2010	8	9
T0600100916-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2002	2010	8	9
T0600100916-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2002	2010	8	9
T0600100919-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2004	2009	5	20
T0600100919-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2004	2009	5	20
T0600100919-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2004	2009	5	20
T0600100919-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2007	2009	2	12
T0600100919-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2007	2009	2	12
T0600100939-MW-2	East Bay Plain	Observation			Unknown	Geotracker	1990	2017	27	116
T0600100939-MW-3	East Bay Plain	Observation			Unknown	Geotracker	1990	2017	27	114
T0600100939-OW-1	East Bay Plain	Observation			Unknown	Geotracker	1997	2017	20	100
T0600100992-MW1-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2003	1	2
T0600100992-MW1-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2003	1	2
T0600100992-MW2-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2003	1	2
T0600101039-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2012	10	12
T0600101039-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2003	2012	9	10
T0600101039-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2003	2012	9	10
SL0601392884-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2009	2009	0	2
T0600101039-VRW-1	East Bay Plain	Observation			Unknown	Geotracker	2003	2012	9	9
T0600101039-VRW-2	East Bay Plain	Observation			Unknown	Geotracker	2003	2012	9	9
T0600101039-VRW-3	East Bay Plain	Observation			Unknown	Geotracker	2003	2012	9	9
T0600101039-VRW-4	East Bay Plain	Observation			Unknown	Geotracker	2003	2012	9	8
T0600101039-VRW-5	East Bay Plain	Observation			Unknown	Geotracker	2003	2009	6	8
T0600101039-VRW-6	East Bay Plain	Observation			Unknown	Geotracker	2003	2012	9	8
T0600101039-VRW-7	East Bay Plain	Observation			Unknown	Geotracker	2003	2012	9	9
T0600101039-VRW-8	East Bay Plain	Observation			Unknown	Geotracker	2003	2012	9	9
T0600101039-VRW-9	East Bay Plain	Observation			Unknown	Geotracker	2003	2009	6	8
T0600101043-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	12
T0600101043-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	8
SL0601392884-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2009	2009	0	2
T0600101062-OW-1	East Bay Plain	Observation			Unknown	Geotracker	2009	2017	8	12
T0600101062-OW-2	East Bay Plain	Observation			Unknown	Geotracker	2009	2017	8	12
T0600101065-S-6	East Bay Plain	Observation			Unknown	Geotracker	2007	2019	12	30
T0600101065-S-7	East Bay Plain	Observation			Unknown	Geotracker	2007	2019	12	30
T0600101065-S-8	East Bay Plain	Observation			Unknown	Geotracker	2007	2019	12	30
T0600101065-S-9	East Bay Plain	Observation			Unknown	Geotracker	2007	2019	12	28
T0600101108-MW-10	East Bay Plain	Observation	62.64		Shallow	Geotracker	2007	2012	5	13
T0600101108-MW-4	East Bay Plain	Observation	64.01		Shallow	Geotracker	2007	2012	5	14
T0600101108-MW-6	East Bay Plain	Observation	64.7		Shallow	Geotracker	2007	2012	5	11
T0600101108-MW-7	East Bay Plain	Observation	64.93		Shallow	Geotracker	2007	2012	5	14
T0600101108-MW-9	East Bay Plain	Observation	64.8		Shallow	Geotracker	2007	2012	5	13
T0600101131-EX1	East Bay Plain	Observation			Unknown	Geotracker	2002	2012	10	31
T0600101131-EX2	East Bay Plain	Observation			Unknown	Geotracker	2002	2012	10	33
T0600101131-EX3	East Bay Plain	Observation			Unknown	Geotracker	2002	2012	10	34
T0600101131-EX4	East Bay Plain	Observation			Unknown	Geotracker	2002	2012	10	34
T0600101131-MW2	East Bay Plain	Observation			Unknown	Geotracker	2002	2012	10	33
T0600101131-MW3	East Bay Plain	Observation			Unknown	Geotracker	2002	2012	10	34
T0600101131-MW4	East Bay Plain	Observation			Unknown	Geotracker	2002	2012	10	33
T0600101224-IW-1	East Bay Plain	Observation			Unknown	Geotracker	2001	2010	9	30
T0600101224-MW-1	East Bay Plain	Observation	59.5		Shallow	Geotracker	2001	2008	7	27
T0600101224-MW-2	East Bay Plain	Observation	59.84		Shallow	Geotracker	2001	2008	7	27
T0600101224-MW-3	East Bay Plain	Observation	58.2		Shallow	Geotracker	2001	2008	7	27
T0600101224-MW-4	East Bay Plain	Observation	55.25		Shallow	Geotracker	2001	2008	7	27
T0600101224-MW-5	East Bay Plain	Observation	4965		Deep	Geotracker	2001	2010	9	32
T0600101224-MW-6	East Bay Plain	Observation	50.05		Shallow	Geotracker	2001	2010	9	32
T0600101224-MW-8	East Bay Plain	Observation	50.02		Shallow	Geotracker	2001	2010	9	32
T0600101226-SV-1	East Bay Plain	Observation			Unknown	Geotracker	2004	2006	2	1
T0600101227-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2001	2008	7	22
T0600101227-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2001	2012	11	29
T0600101227-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2001	2012	11	23
T0600101227-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2001	2012	11	34
T0600101231-S-13	East Bay Plain	Observation			Unknown	Geotracker	2001	2015	14	13
T0600101236-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2001	2005	4	4
T0600101238-EW-1	East Bay Plain	Observation			Unknown	Geotracker	2003	2006	3	1
T0600101238-MW-13	East Bay Plain	Observation			Unknown	Geotracker	2001	2006	5	13
T0600101238-MW-14	East Bay Plain	Observation			Unknown	Geotracker	2001	2006	5	13
T0600101238-MW-16	East Bay Plain	Observation			Unknown	Geotracker	2001	2011	10	20
T0600101238-MW-21	East Bay Plain	Observation			Unknown	Geotracker	2001	2006	5	10

Table C-1. Summary of Groundwater Level Data

Well ID	Subbasin	Well Use	Total Depth	Perforations	Depth Zone	Dataset	First Measurement	Last Measurement	Period of Record	Measurement Count
T0600101238-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2001	2006	5	11
T0600101238-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2001	2006	5	11
T0600101238-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2001	2005	4	12
T0600101244-S-1	East Bay Plain	Observation			Unknown	Geotracker	2001	2007	6	9
T0600101244-S-10	East Bay Plain	Observation			Unknown	Geotracker	2001	2007	6	9
T0600101244-S-3R	East Bay Plain	Observation			Unknown	Geotracker	2006	2008	2	9
T0600101244-S-4	East Bay Plain	Observation			Unknown	Geotracker	2001	2008	7	9
T0600101244-S-5	East Bay Plain	Observation			Unknown	Geotracker	2001	2008	7	9
T0600101244-S-6	East Bay Plain	Observation			Unknown	Geotracker	2001	2008	7	20
T0600101244-S-8	East Bay Plain	Observation			Unknown	Geotracker	2001	2008	7	19
T0600101244-SR-1	East Bay Plain	Observation			Unknown	Geotracker	2001	2007	6	8
T0600101245-AS-1	East Bay Plain	Observation			Unknown	Geotracker	2001	2006	5	9
T0600101245-AS-2	East Bay Plain	Observation			Unknown	Geotracker	2001	2006	5	9
T0600101245-MW-11	East Bay Plain	Observation			Unknown	Geotracker	2001	2012	11	25
T0600101245-MW-12	East Bay Plain	Observation			Unknown	Geotracker	2001	2012	11	25
T0600101245-MW-13	East Bay Plain	Observation			Unknown	Geotracker	2001	2012	11	25
T0600101247-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2003	2011	8	17
T0600101247-TW-1	East Bay Plain	Observation			Unknown	Geotracker	2001	2009	8	22
T0600101255-S-1	East Bay Plain	Observation			Unknown	Geotracker	2001	2006	5	20
T0600101255-S-2	East Bay Plain	Observation			Unknown	Geotracker	2001	2006	5	20
T0600101255-S-3	East Bay Plain	Observation			Unknown	Geotracker	2001	2006	5	20
T0600101255-S-4	East Bay Plain	Observation			Unknown	Geotracker	2001	2006	5	20
T0600101255-S-5	East Bay Plain	Observation			Unknown	Geotracker	2001	2006	5	19
T0600101261-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2001	2018	17	47
T0600101261-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2001	2018	17	44
T0600101261-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2001	2018	17	49
T0600101261-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2001	2018	17	49
T0600101261-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2002	2018	16	45
T0600101263-S-24	East Bay Plain	Observation			Unknown	Geotracker	2017	2019	2	8
T0600101263-S-25	East Bay Plain	Observation			Unknown	Geotracker	2017	2019	2	8
T0600101263-S-26	East Bay Plain	Observation		20-55	Shallow	Geotracker	2015	2019	4	12
T0600101263-S-4	East Bay Plain	Observation			Unknown	Geotracker	2001	2019	18	49
T0600101263-S-5	East Bay Plain	Observation			Unknown	Geotracker	2001	2019	18	48
T0600101263-S-6	East Bay Plain	Observation			Unknown	Geotracker	2001	2019	18	58
T0600101265-EW-1	East Bay Plain	Observation			Unknown	Geotracker	2001	2006	5	11
T0600101265-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2001	2006	5	12
T0600101265-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2001	2006	5	12
T0600101265-OMW-10	East Bay Plain	Observation			Unknown	Geotracker	2001	2006	5	12
T0600101265-OMW-11	East Bay Plain	Observation			Unknown	Geotracker	2001	2006	5	9
T0600101265-OMW-12	East Bay Plain	Observation			Unknown	Geotracker	2001	2006	5	12
T0600101265-OMW-6	East Bay Plain	Observation			Unknown	Geotracker	2001	2012	11	24
T0600101272-T-1	East Bay Plain	Observation			Unknown	Geotracker	2001	2009	8	1
T0600101272-T-2	East Bay Plain	Observation			Unknown	Geotracker	2001	2009	8	1
T0600101273-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2001	2006	5	18
T0600101273-MW-10	East Bay Plain	Observation			Unknown	Geotracker	2001	2006	5	16
T0600101273-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2001	2006	5	16
T0600101273-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2001	2006	5	18
T0600101273-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2001	2006	5	17
T0600101273-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2001	2006	5	18
T0600101273-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2001	2006	5	18
T0600101273-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2001	2006	5	18
T0600101273-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2001	2006	5	16
T0600101273-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2001	2006	5	16
T0600101277-S-7	East Bay Plain	Observation			Unknown	Geotracker	2001	2013	12	15
T0600100672-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2010	2010	0	2
T0600100672-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2010	2010	0	2
T0600101294-MW-1	East Bay Plain	Observation		25-70	Shallow	Geotracker	2003	2012	9	7
T0600101333-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	35
T0600101333-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	35
T0600101333-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	35
T0600101333-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	35
T0600101333-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	35
T0600101333-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	35
T0600101333-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	35
T0600101333-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	21
T0600101333-W-11	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	32
T0600101333-W-12	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	22
T0600101343-MW9A	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	33
T0600101343-MW9B	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	32
T0600101343-MW9C	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	32
T0600101343-MW9D	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	31
T0600101343-MW9F	East Bay Plain	Observation			Unknown	Geotracker	2002	2009	7	15
T0600101343-MW9G	East Bay Plain	Observation			Unknown	Geotracker	2002	2009	7	15
T0600101343-MW9H	East Bay Plain	Observation			Unknown	Geotracker	2002	2009	7	15
T0600101343-MW9I	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	32
T0600101354-MW6B	East Bay Plain	Observation			Unknown	Geotracker	2002	2018	16	44
T0600101354-MW6E	East Bay Plain	Observation			Unknown	Geotracker	2002	2018	16	44
T0600101354-MW6F	East Bay Plain	Observation			Unknown	Geotracker	2002	2018	16	43
T0600101354-MW6G	East Bay Plain	Observation			Unknown	Geotracker	2002	2018	16	44
T0600101354-MW6H	East Bay Plain	Observation			Unknown	Geotracker	2002	2018	16	44
T0600101354-MW6I	East Bay Plain	Observation			Unknown	Geotracker	2002	2018	16	43

Table C-1. Summary of Groundwater Level Data

Well ID	Subbasin	Well Use	Total Depth	Perforations	Depth Zone	Dataset	First Measurement	Last Measurement	Period of Record	Measurement Count
T0600101354-MW6J	East Bay Plain	Observation			Unknown	Geotracker	2002	2018	16	37
T0600101354-MW6KA	East Bay Plain	Observation			Unknown	Geotracker	2013	2018	5	5
T0600101354-MW6KB	East Bay Plain	Observation			Unknown	Geotracker	2013	2018	5	11
T0600101354-MW6LA	East Bay Plain	Observation			Unknown	Geotracker	2013	2018	5	6
T0600101354-MW6LB	East Bay Plain	Observation			Unknown	Geotracker	2013	2018	5	11
T0600101354-RW1	East Bay Plain	Observation			Unknown	Geotracker	2002	2018	16	44
T0600101354-RW2	East Bay Plain	Observation			Unknown	Geotracker	2002	2018	16	44
T0600101354-RW3A	East Bay Plain	Observation			Unknown	Geotracker	2002	2018	16	44
T0600101365-MW-1	East Bay Plain	Observation	17.77	31.55-52	Shallow	Geotracker	2005	2013	8	23
T0600101365-MW-3	East Bay Plain	Observation	24.13	31.15-51	Shallow	Geotracker	2005	2013	8	23
T0600101368-A-10	East Bay Plain	Observation			Unknown	Geotracker	2003	2008	5	15
T0600101368-A-4	East Bay Plain	Observation			Unknown	Geotracker	2003	2008	5	15
T0600101368-A-5	East Bay Plain	Observation			Unknown	Geotracker	2003	2008	5	14
T0600101368-A-6	East Bay Plain	Observation			Unknown	Geotracker	2003	2008	5	16
T0600101368-A-7	East Bay Plain	Observation			Unknown	Geotracker	2003	2008	5	16
T0600101368-A-8	East Bay Plain	Observation			Unknown	Geotracker	2003	2008	5	16
T0600101368-A-9	East Bay Plain	Observation			Unknown	Geotracker	2003	2008	5	16
T0600101368-AR-1	East Bay Plain	Observation			Unknown	Geotracker	2003	2008	5	15
T0600101368-AR-2	East Bay Plain	Observation			Unknown	Geotracker	2003	2008	5	15
T0600101368-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2003	2008	5	15
T0600101368-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2003	2008	5	16
T0600101368-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2003	2008	5	16
T0600101414-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2004	2	8
T0600101423-UAL-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2003	2018	15	6
T0600101423-UAL-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2003	2018	15	6
T0600101469-U-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2007	5	11
T0600101469-U-1R	East Bay Plain	Observation			Unknown	Geotracker	2007	2014	7	18
T0600101469-U-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	26
T0600101469-U-3R	East Bay Plain	Observation			Unknown	Geotracker	2007	2014	7	18
T0600101469-U-4	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	29
T0600101469-U-5	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	29
T0600101469-U-6	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	21
T0600101469-U-7	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	18
T0600101469-U-8	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	29
T0600101469-U-9	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	29
T0600101476-MW-11	East Bay Plain	Observation			Unknown	Geotracker	2010	2018	8	28
T0600101476-MW-12	East Bay Plain	Observation			Unknown	Geotracker	2010	2014	4	16
T0600101476-MW-12A	East Bay Plain	Observation			Unknown	Geotracker	2010	2014	4	15
T0600101476-MW-13	East Bay Plain	Observation			Unknown	Geotracker	2010	2018	8	28
T0600101476-MW-14	East Bay Plain	Observation			Unknown	Geotracker	2011	2015	4	16
T0600101476-MW-15	East Bay Plain	Observation			Unknown	Geotracker	2011	2018	7	25
T0600101476-MW-16	East Bay Plain	Observation			Unknown	Geotracker	2011	2018	7	25
T0600101476-MW-17	East Bay Plain	Observation			Unknown	Geotracker	2011	2014	3	13
T0600101479-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	24
T0600101479-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	24
T0600101479-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	24
T0600101479-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	24
T0600101479-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	24
T0600101479-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	24
T0600101479-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	24
T0600101479-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	24
T0600101479-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	18
T0600101487-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2008	2011	3	3
T0600101557-EW1	East Bay Plain	Observation			Unknown	Geotracker	2004	2019	15	20
T0600101557-MW1	East Bay Plain	Observation			Unknown	Geotracker	2001	2019	18	40
T0600101557-MW2	East Bay Plain	Observation			Unknown	Geotracker	2001	2019	18	40
T0600101557-OW1	East Bay Plain	Observation			Unknown	Geotracker	2001	2019	18	38
T0600101557-P1	East Bay Plain	Observation			Unknown	Geotracker	2001	2019	18	40
T0600101557-TEW3	East Bay Plain	Observation			Unknown	Geotracker	2017	2019	2	3
T0600101557-TEW4	East Bay Plain	Observation			Unknown	Geotracker	2001	2019	18	40
T0600101592-9MW1	East Bay Plain	Observation			Unknown	Geotracker	2007	2008	1	2
T0600101592-9MW2	East Bay Plain	Observation			Unknown	Geotracker	2007	2008	1	2
T0600101592-9MW3	East Bay Plain	Observation			Unknown	Geotracker	2007	2008	1	2
T0600101592-9MW4	East Bay Plain	Observation			Unknown	Geotracker	2007	2008	1	2
T0600101592-9MW5	East Bay Plain	Observation			Unknown	Geotracker	2007	2008	1	2
T0600101592-E-1	East Bay Plain	Observation			Unknown	Geotracker	2011	2013	2	4
T0600101592-E-10	East Bay Plain	Observation			Unknown	Geotracker	2011	2012	1	2
T0600101592-E-11	East Bay Plain	Observation			Unknown	Geotracker	2011	2013	2	4
T0600101592-E-12	East Bay Plain	Observation			Unknown	Geotracker	2011	2013	2	4
T0600101592-E-2	East Bay Plain	Observation			Unknown	Geotracker	2010	2013	3	6
T0600101592-E-3	East Bay Plain	Observation			Unknown	Geotracker	2011	2013	2	4
T0600101592-E-4	East Bay Plain	Observation			Unknown	Geotracker	2011	2013	2	4
T0600101592-E-5	East Bay Plain	Observation			Unknown	Geotracker	2011	2013	2	4
T0600101592-E-6	East Bay Plain	Observation			Unknown	Geotracker	2011	2013	2	4
T0600101592-E-7	East Bay Plain	Observation			Unknown	Geotracker	2010	2013	3	6
T0600101592-E-8	East Bay Plain	Observation			Unknown	Geotracker	2010	2013	3	6
T0600101592-E-9	East Bay Plain	Observation			Unknown	Geotracker	2011	2013	2	4
T0600101592-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2010	2012	2	6
T0600101644-MW8	East Bay Plain	Observation			Unknown	Geotracker	2009	2013	4	14
T0600101651-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	23
T0600101651-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	22

Table C-1. Summary of Groundwater Level Data

Well ID	Subbasin	Well Use	Total Depth	Perforations	Depth Zone	Dataset	First Measurement	Last Measurement	Period of Record	Measurement Count
T0600101651-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	21
T0600101651-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	22
T0600101651-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2002	2012	10	13
T0600101651-RW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	23
T0600101659-MW-B1	East Bay Plain	Observation			Unknown	Geotracker	1993	2005	12	10
T0600101659-MW-LD4	East Bay Plain	Observation			Unknown	Geotracker	1993	1999	6	8
T0600101665-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2001	2009	8	19
T0600101665-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2001	2009	8	19
T0600101665-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2001	2009	8	19
T0600101665-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2001	2009	8	19
T0600101665-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2001	2009	8	19
T0600101665-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2001	2009	8	19
T0600101665-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2001	2009	8	19
T0600101680-FDC	East Bay Plain	Observation			Unknown	Geotracker	2002	2009	7	21
T0600101680-FDE	East Bay Plain	Observation			Unknown	Geotracker	2002	2009	7	21
T0600101680-FDW	East Bay Plain	Observation			Unknown	Geotracker	2002	2009	7	21
T0600101680-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2009	7	23
T0600101680-MW-10	East Bay Plain	Observation			Unknown	Geotracker	2002	2009	7	23
T0600101680-MW-11	East Bay Plain	Observation			Unknown	Geotracker	2002	2009	7	5
T0600101680-MW-12	East Bay Plain	Observation			Unknown	Geotracker	2002	2009	7	23
T0600101680-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2009	7	23
T0600101680-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2009	7	23
T0600101680-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2002	2005	3	5
T0600101680-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2002	2009	7	23
T0600101680-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2002	2009	7	23
T0600101680-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2002	2009	7	23
T0600101680-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2002	2009	7	23
T0600100083-AR-1	East Bay Plain	Observation			Unknown	Geotracker	2011	2011	0	1
T0600100083-AR-2	East Bay Plain	Observation			Unknown	Geotracker	2011	2011	0	1
T0600167672-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2011	2011	0	2
T0600101692-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2010	2011	1	5
T0600101692-MW-10	East Bay Plain	Observation			Unknown	Geotracker	2010	2011	1	5
T0600101692-MW-11	East Bay Plain	Observation			Unknown	Geotracker	2010	2011	1	5
T0600101692-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2010	2011	1	5
T0600101692-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2010	2011	1	6
T0600101692-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2010	2011	1	5
T0600101692-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2010	2011	1	5
T0600101692-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2010	2011	1	5
T0600101692-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2010	2011	1	5
T0600101692-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2010	2011	1	5
T0600101692-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2010	2011	1	5
T0600101696-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2005	2014	9	4
T0600101696-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2005	2014	9	3
T0600101696-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2005	2014	9	4
T0600101696-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2005	2014	9	4
T0600101696-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2005	2014	9	3
T0600101710-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2018	2019	1	4
T0600101710-MW-10	East Bay Plain	Observation			Unknown	Geotracker	2018	2019	1	4
T0600101710-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2018	2019	1	2
T0600101710-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2018	2019	1	4
T0600101710-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2018	2019	1	4
T0600101710-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2018	2019	1	4
T0600101710-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2018	2019	1	4
T0600101710-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2018	2019	1	4
T0600101710-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2018	2019	1	4
T0600101710-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2018	2019	1	4
T0600101748-MW1	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	34
T0600101748-MW2	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	35
T0600101748-MW3	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	34
T0600101748-MW4	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	34
T0600101748-MW5	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	35
T0600101748-MW6	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	20
T0600101748-MW7	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	34
T0600101748-MW8	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	34
T0600101748-MW9	East Bay Plain	Observation			Unknown	Geotracker	2002	2011	9	34
T0600101764-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	39
T0600101764-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	39
T0600101764-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	39
T0600101764-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	39
T0600101764-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	39
T0600101764-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	39
T0600101764-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	39
T0600101764-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2004	2014	10	31
T0600101775-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2004	2	10
T0600101775-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2004	2	8
T0600101775-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2004	2	10
T0600101775-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2002	2004	2	8
T0600101775-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2002	2004	2	8
T0600101804-MW-1R	East Bay Plain	Observation			Unknown	Geotracker	2004	2017	13	31
T0600101804-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2001	2017	16	36
T0600101804-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2001	2017	16	36

Table C-1. Summary of Groundwater Level Data

Well ID	Subbasin	Well Use	Total Depth	Perforations	Depth Zone	Dataset	First Measurement	Last Measurement	Period of Record	Measurement Count
T0600101804-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2001	2017	16	34
T0600101827-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2011	2012	1	2
T0600101827-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2011	2012	1	3
T0600101827-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2011	2012	1	3
T0600101827-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2011	2012	1	3
T0600101827-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2011	2012	1	3
T0600101827-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2011	2012	1	3
T0600101827-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2011	2012	1	3
T0600101855-MW6	East Bay Plain	Observation			Unknown	Geotracker	2014	2019	5	13
T0600101855-MW7	East Bay Plain	Observation			Unknown	Geotracker	2014	2019	5	12
T0600101855-MW8	East Bay Plain	Observation			Unknown	Geotracker	2014	2019	5	13
T0600101866-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2004	2013	9	21
T0600101866-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2004	2013	9	20
T0600101866-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2004	2013	9	21
T0600101866-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2004	2013	9	20
T0600101866-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2004	2013	9	19
T0600101866-MW-8A	East Bay Plain	Observation			Unknown	Geotracker	2004	2013	9	20
T0600101876-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2006	2019	13	33
T0600101876-V-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2019	17	47
T0600101876-V-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2019	17	49
T0600101888-MW1	East Bay Plain	Observation			Unknown	Geotracker	2002	2016	14	31
T0600101888-MW2	East Bay Plain	Observation			Unknown	Geotracker	2002	2016	14	32
T0600101888-MW3	East Bay Plain	Observation			Unknown	Geotracker	2002	2016	14	32
T0600101888-MW4	East Bay Plain	Observation			Unknown	Geotracker	2002	2016	14	31
T0600101888-MW5	East Bay Plain	Observation			Unknown	Geotracker	2002	2016	14	31
T0600101888-MW6	East Bay Plain	Observation			Unknown	Geotracker	2002	2016	14	32
T0600101888-MW7	East Bay Plain	Observation			Unknown	Geotracker	2002	2016	14	28
T0600101888-MW8	East Bay Plain	Observation			Unknown	Geotracker	2002	2016	14	31
T0600101888-MW9	East Bay Plain	Observation			Unknown	Geotracker	2002	2016	14	32
T0600102076-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2002	2004	2	9
T0600102079-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2019	17	70
T0600102079-MW-11	East Bay Plain	Observation			Unknown	Geotracker	2017	2019	2	5
T0600102079-MW-12	East Bay Plain	Observation			Unknown	Geotracker	2017	2019	2	8
T0600102079-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2019	17	68
T0600102079-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2019	17	67
T0600102079-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2002	2019	17	70
T0600102079-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2002	2019	17	68
T0600102079-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2002	2019	17	65
T0600102079-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2005	2019	14	57
T0600102093-MW-1	East Bay Plain	Observation	86.9		Shallow	Geotracker	2001	2012	11	39
T0600102093-MW-2	East Bay Plain	Observation	84.84		Shallow	Geotracker	2001	2012	11	39
T0600102093-MW-3	East Bay Plain	Observation	88.57		Shallow	Geotracker	2001	2012	11	39
T0600102093-MW-4	East Bay Plain	Observation	84.46		Shallow	Geotracker	2001	2012	11	38
T0600102093-MW-5	East Bay Plain	Observation	85.39		Shallow	Geotracker	2002	2012	10	37
T0600102095-B-10R	East Bay Plain	Observation			Unknown	Geotracker	2010	2016	6	6
T0600102095-B-8R	East Bay Plain	Observation			Unknown	Geotracker	2009	2016	7	7
T0600102095-MPE-1	East Bay Plain	Observation			Unknown	Geotracker	2009	2016	7	7
T0600101827-MW-10	East Bay Plain	Observation			Unknown	Geotracker	2012	2012	0	1
T0600101827-MW-1R	East Bay Plain	Observation			Unknown	Geotracker	2012	2012	0	1
T0600101827-MW-2R	East Bay Plain	Observation			Unknown	Geotracker	2012	2012	0	1
T0600102114-MW-01	East Bay Plain	Observation			Unknown	Geotracker	1999	2009	10	35
T0600102114-MW-02	East Bay Plain	Observation			Unknown	Geotracker	1999	2009	10	35
T0600102114-MW-03	East Bay Plain	Observation			Unknown	Geotracker	1999	2006	7	7
T0600102114-MW-04	East Bay Plain	Observation			Unknown	Geotracker	1999	2006	7	7
T0600102114-MW-05	East Bay Plain	Observation			Unknown	Geotracker	1999	2006	7	7
T0600102114-MW-06	East Bay Plain	Observation			Unknown	Geotracker	2000	2009	9	35
T0600102114-MW-07	East Bay Plain	Observation			Unknown	Geotracker	2001	2009	8	35
T0600102114-MW-08	East Bay Plain	Observation			Unknown	Geotracker	2000	2009	9	36
T0600102114-MW-09	East Bay Plain	Observation			Unknown	Geotracker	2001	2009	8	30
T0600102114-MW-10	East Bay Plain	Observation			Unknown	Geotracker	2001	2009	8	30
T0600102114-MW-11	East Bay Plain	Observation			Unknown	Geotracker	2001	2009	8	29
T0600101827-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2012	2012	0	1
T0600102059-EW-1	East Bay Plain	Observation			Unknown	Geotracker	2012	2012	0	1
T0600102121-T-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2006	4	1
T0600102121-T-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2006	4	1
T0600102123-BW-A	East Bay Plain	Observation			Unknown	Geotracker	2002	2006	4	3
T0600102123-BW-B	East Bay Plain	Observation			Unknown	Geotracker	2001	2006	5	5
T0600102123-BW-C	East Bay Plain	Observation			Unknown	Geotracker	2002	2006	4	3
T0600102136-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	37
T0600102136-MW-10	East Bay Plain	Observation			Unknown	Geotracker	2002	2003	1	6
T0600102136-MW12	East Bay Plain	Observation			Unknown	Geotracker	2004	2013	9	23
T0600102136-MW13	East Bay Plain	Observation			Unknown	Geotracker	2004	2013	9	23
T0600102136-MW16	East Bay Plain	Observation			Unknown	Geotracker	2007	2013	6	11
T0600102136-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2002	2003	1	6
T0600102136-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2002	2003	1	6
T0600102136-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2002	2003	1	6
T0600102136-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2002	2003	1	6
T0600102136-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	37
T0600102154-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2005	2019	14	27
T0600102154-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2005	2019	14	27
T0600102154-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2005	2019	14	27

Table C-1. Summary of Groundwater Level Data

Well ID	Subbasin	Well Use	Total Depth	Perforations	Depth Zone	Dataset	First Measurement	Last Measurement	Period of Record	Measurement Count
T0600102154-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2006	2019	13	23
T0600102154-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2006	2018	12	21
T0600102156-MW-7	East Bay Plain	Observation	54.75	40-55	Shallow	Geotracker	2007	2013	6	18
T0601300483-MW-17	East Bay Plain	Observation			Unknown	Geotracker	2012	2012	0	2
T0600102210-SCIMW-11	East Bay Plain	Observation			Unknown	Geotracker	2001	2006	5	8
T0600102230-MW-10	East Bay Plain	Observation	57.54		Shallow	Geotracker	2007	2013	6	16
T0600102230-MW-12	East Bay Plain	Observation	55.91		Shallow	Geotracker	2007	2013	6	16
T0600102230-MW-14	East Bay Plain	Observation	56.53		Shallow	Geotracker	2007	2013	6	16
T0600102230-MW-16	East Bay Plain	Observation	56.88		Shallow	Geotracker	2007	2013	6	16
T0600102230-MW-17	East Bay Plain	Observation	71.26		Shallow	Geotracker	2007	2013	6	16
T0600102236-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2003	2005	2	8
T0600102236-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2003	2005	2	8
T0600102236-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2003	2005	2	8
T0600102238-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	41
T0600102238-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2012	10	40
T0600102243-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2003	2016	13	31
T0600102243-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2003	2016	13	31
T0600102243-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2003	2016	13	31
T0600102243-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2003	2016	13	31
T0600102243-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2003	2016	13	25
T0600102243-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2003	2016	13	26
T0600102243-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2003	2016	13	25
T0600102243-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2003	2016	13	27
T0600102256-EX-1	East Bay Plain	Observation			Unknown	Geotracker	2011	2019	8	10
T0600102256-EX-2	East Bay Plain	Observation			Unknown	Geotracker	2011	2019	8	17
T0600102256-EX-3	East Bay Plain	Observation			Unknown	Geotracker	2011	2019	8	16
T0600102256-EX-4	East Bay Plain	Observation			Unknown	Geotracker	2014	2019	5	10
T0600102256-EX-5	East Bay Plain	Observation			Unknown	Geotracker	2014	2019	5	8
T0600102256-EX-6	East Bay Plain	Observation			Unknown	Geotracker	2014	2019	5	9
T0600102256-EX-7	East Bay Plain	Observation			Unknown	Geotracker	2014	2019	5	10
T0600102256-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2007	2019	12	29
T0600102256-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2007	2019	12	29
T0600102256-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2007	2019	12	28
T0600102256-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2010	2019	9	15
T0600102256-MW-5A	East Bay Plain	Observation			Unknown	Geotracker	2014	2019	5	14
T0600102256-MW-5B	East Bay Plain	Observation			Unknown	Geotracker	2014	2019	5	10
T0600102256-MW-6A	East Bay Plain	Observation			Unknown	Geotracker	2014	2019	5	14
T0600102256-MW-6B	East Bay Plain	Observation			Unknown	Geotracker	2014	2019	5	10
T0600102263-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2015	13	48
T0600102263-MW-10	East Bay Plain	Observation			Unknown	Geotracker	2009	2015	6	21
T0600102263-MW-11	East Bay Plain	Observation			Unknown	Geotracker	2009	2015	6	21
T0600102263-MW-1AR	East Bay Plain	Observation			Unknown	Geotracker	2009	2015	6	21
T0600102263-MW-1BR	East Bay Plain	Observation			Unknown	Geotracker	2009	2015	6	21
T0600102263-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2015	13	47
T0600102263-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2002	2015	13	49
T0600102263-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2002	2015	13	47
T0600102263-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2002	2015	13	47
T0600102263-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2009	2015	6	21
T0600102263-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2009	2015	6	21
T0600102263-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2009	2015	6	21
T0600102279-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2010	8	32
T0600102279-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2010	8	33
T0600102279-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2010	8	33
T0600102279-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2002	2010	8	33
T0600102279-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2002	2010	8	30
T0600102279-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2008	2010	2	8
T0600102286-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2009	2013	4	10
T0600102286-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2009	2013	4	10
T0600102286-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2009	2013	4	10
T0600102286-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2009	2013	4	9
T0600102286-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2009	2013	4	10
T0600102286-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2009	2013	4	10
T0600102288-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2005	3	9
T0600102288-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2005	3	9
T0600102288-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2005	3	9
T0600102288-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2002	2005	3	7
T0600102288-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2002	2005	3	7
T0600102288-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2002	2005	3	7
T0600102288-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2004	2005	1	2
T0600102288-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2004	2005	1	2
T0600103398-MW-1	East Bay Plain	Observation	54.12		Shallow	Geotracker	2009	2011	2	10
T0600103398-MW-2	East Bay Plain	Observation	54.21		Shallow	Geotracker	2009	2011	2	10
T0600103398-MW-3	East Bay Plain	Observation	52.14		Shallow	Geotracker	2009	2011	2	10
T0600108312-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2003	2010	7	26
T0600108312-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2003	2010	7	25
T0600108312-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2003	2010	7	26
T0600108312-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2003	2010	7	26
T0600108312-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2003	2010	7	26
T0600108312-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2003	2010	7	26
T0600108312-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2003	2010	7	23
T0600108312-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2003	2010	7	25

Table C-1. Summary of Groundwater Level Data

Well ID	Subbasin	Well Use	Total Depth	Perforations	Depth Zone	Dataset	First Measurement	Last Measurement	Period of Record	Measurement Count
T0600108312-RW-1	East Bay Plain	Observation			Unknown	Geotracker	2003	2010	7	25
T0600108312-WGR-3	East Bay Plain	Observation			Unknown	Geotracker	2003	2010	7	26
T0600100227-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2013	2013	0	1
T0600100227-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2013	2013	0	1
T0600100227-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2013	2013	0	1
T0600100227-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2013	2013	0	1
T0600100227-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2013	2013	0	1
T0600100227-VW-1	East Bay Plain	Observation			Unknown	Geotracker	2013	2013	0	1
T0600118567-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2001	2008	7	23
T0600118567-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2001	2008	7	23
T0600118567-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2001	2008	7	24
T0600118567-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2001	2008	7	24
T0600118567-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2001	2008	7	24
T0600118567-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2001	2008	7	24
T0600118672-W-1	East Bay Plain	Observation			Unknown	Geotracker	2005	2014	9	19
T0600118672-W-3	East Bay Plain	Observation			Unknown	Geotracker	2005	2014	9	19
T0600118672-W-4	East Bay Plain	Observation			Unknown	Geotracker	2005	2014	9	19
T0600119604-MW-10	East Bay Plain	Observation			Unknown	Geotracker	2010	2011	1	4
T0600119604-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2010	2011	1	4
T0600121471-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2007	2010	3	10
T0600121471-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2007	2010	3	10
T0600121471-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2007	2010	3	10
T0600121471-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2007	2010	3	10
T0600100227-VW-2	East Bay Plain	Observation			Unknown	Geotracker	2013	2013	0	1
T0600100227-VW-3	East Bay Plain	Observation			Unknown	Geotracker	2013	2013	0	1
T0600101592-MW-10	East Bay Plain	Observation			Unknown	Geotracker	2013	2013	0	1
T0600101592-MW-11	East Bay Plain	Observation			Unknown	Geotracker	2013	2013	0	1
T0600101592-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2013	2013	0	1
T0600143649-MW-10D	East Bay Plain	Observation		42-52	Shallow	Geotracker	2008	2015	7	7
T0600158157-BG-003MW	East Bay Plain	Observation		51.5-62	Shallow	Geotracker	2009	2011	2	4
T0600170016-MW-11	East Bay Plain	Observation	64.2	55-65	Shallow	Geotracker	2009	2012	3	8
T0600174667-EW-1	East Bay Plain	Observation			Unknown	Geotracker	2011	2018	7	20
T0600174667-EW-2	East Bay Plain	Observation			Unknown	Geotracker	2011	2018	7	20
T0600174667-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2011	2018	7	19
T0600174667-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2011	2018	7	20
T0600174667-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2011	2018	7	20
T0600174667-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2011	2018	7	20
T0600174667-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2011	2017	6	15
T0600174667-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2011	2018	7	18
T0600177342-DW-1	East Bay Plain	Observation			Unknown	Geotracker	2009	2010	1	5
T0600177342-MW-101	East Bay Plain	Observation			Unknown	Geotracker	2009	2012	3	10
T0600177342-MW-102	East Bay Plain	Observation			Unknown	Geotracker	2009	2012	3	10
T0600177342-MW-103	East Bay Plain	Observation			Unknown	Geotracker	2009	2012	3	10
T0600177342-MW-104	East Bay Plain	Observation			Unknown	Geotracker	2009	2012	3	10
T0600187562-EX-1	East Bay Plain	Observation			Unknown	Geotracker	2012	2016	4	6
T0600187562-EX-2	East Bay Plain	Observation			Unknown	Geotracker	2012	2016	4	6
T0600187562-MW-12	East Bay Plain	Observation			Unknown	Geotracker	2012	2019	7	13
T0600187562-MW-13	East Bay Plain	Observation			Unknown	Geotracker	2012	2019	7	13
T0600187562-MW-14	East Bay Plain	Observation			Unknown	Geotracker	2012	2019	7	14
T0600187562-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2012	2019	7	12
T0600191154-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2001	2008	7	31
T0600191154-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2001	2008	7	33
T0600191668-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2004	2017	13	12
T0600191668-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2004	2017	13	12
T0600191668-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2004	2017	13	12
T0600191668-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2004	2017	13	11
T0600191668-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2004	2017	13	11
T0600191668-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2004	2017	13	11
T0601300002-GWE-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	25
T0601300002-GWE-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	26
T0601300002-IMW-01	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	26
T0601300002-MW-10	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	22
T0601300002-MW-11	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	23
T0601300002-MW-12	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	26
T0601300002-MW-13	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	26
T0601300002-MW-15	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	26
T0601300002-MW-16	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	31
T0601300002-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	25
T0601300002-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	26
T0601300002-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	26
T0601300002-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	26
T0601300002-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	26
T0601300002-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	26
T0601300002-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	26
T0601300002-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2002	2014	12	26
T0601300018-AS-1	East Bay Plain	Observation			Unknown	Geotracker	2004	2019	15	15
T0601300018-BC-4	East Bay Plain	Observation		60-75	Shallow	Geotracker	2002	2019	17	30
T0601300018-VE-2	East Bay Plain	Observation			Unknown	Geotracker	2004	2019	15	17
T0601300019-AS-1	East Bay Plain	Observation			Unknown	Geotracker	2011	2019	8	14
T0601300019-AS-2	East Bay Plain	Observation			Unknown	Geotracker	2011	2019	8	13
T0601300019-VE-1	East Bay Plain	Observation			Unknown	Geotracker	2011	2019	8	15

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Well ID	Subbasin	Well Use	Total Depth	Perforations	Depth Zone	Dataset	First Measurement	Last Measurement	Period of Record	Measurement Count
T0601300019-VE-2	East Bay Plain	Observation			Unknown	Geotracker	2011	2019	8	15
T0601300023-MW-6U	East Bay Plain	Observation		55-80	Shallow	Geotracker	2006	2019	13	52
T0601300023-MW-7U	East Bay Plain	Observation		55-80	Shallow	Geotracker	2006	2019	13	54
T0601300023-MW-8U	East Bay Plain	Observation		110-135	Shallow	Geotracker	2006	2019	13	54
T0601300025-EB-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2007	5	5
T0601300025-EB-4	East Bay Plain	Observation			Unknown	Geotracker	2002	2006	4	2
T0601300033-MW-1R	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	46
T0601300033-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	46
T0601300033-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	40
T0601300033-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	42
T0601300033-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	45
T0601300033-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2002	2017	15	43
T0601300036-EX-1	East Bay Plain	Observation			Unknown	Geotracker	2001	2005	4	6
T0601300036-MW-17	East Bay Plain	Observation			Unknown	Geotracker	2001	2019	18	48
T0601300036-MW-18	East Bay Plain	Observation			Unknown	Geotracker	2001	2019	18	49
T0601300036-MW-19	East Bay Plain	Observation			Unknown	Geotracker	2001	2019	18	48
T0601300036-MW-20	East Bay Plain	Observation			Unknown	Geotracker	2001	2019	18	49
T0601300036-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2001	2005	4	5
T0601300111-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2003	1	3
T0601300111-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2003	1	2
T0601300111-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2003	1	3
T0601300111-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2002	2003	1	3
T0601300111-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2002	2003	1	3
T0601300111-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2002	2003	1	3
T0601300300-MW1	East Bay Plain	Observation			Unknown	Geotracker	2001	2013	12	38
T0601300300-MW10	East Bay Plain	Observation			Unknown	Geotracker	2001	2013	12	38
T0601300300-MW11	East Bay Plain	Observation			Unknown	Geotracker	2001	2010	9	27
T0601300300-MW13	East Bay Plain	Observation			Unknown	Geotracker	2001	2013	12	31
T0601300300-MW14	East Bay Plain	Observation			Unknown	Geotracker	2001	2013	12	38
T0601300300-MW2	East Bay Plain	Observation			Unknown	Geotracker	2001	2013	12	38
T0601300300-MW3	East Bay Plain	Observation			Unknown	Geotracker	2001	2013	12	37
T0601300300-MW4	East Bay Plain	Observation			Unknown	Geotracker	2001	2013	12	38
T0601300300-MW5	East Bay Plain	Observation			Unknown	Geotracker	2001	2013	12	35
T0601300300-MW6	East Bay Plain	Observation			Unknown	Geotracker	2001	2013	12	38
T0601300300-MW7	East Bay Plain	Observation			Unknown	Geotracker	2001	2013	12	38
T0601300300-MW8	East Bay Plain	Observation			Unknown	Geotracker	2001	2013	12	38
T0601300300-MW9	East Bay Plain	Observation			Unknown	Geotracker	2001	2013	12	38
T0601300345-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2003	2011	8	28
T0601300345-MW-10	East Bay Plain	Observation			Unknown	Geotracker	2003	2011	8	25
T0601300345-MW-11	East Bay Plain	Observation			Unknown	Geotracker	2003	2011	8	27
T0601300345-MW-12	East Bay Plain	Observation			Unknown	Geotracker	2003	2011	8	28
T0601300345-MW-13	East Bay Plain	Observation			Unknown	Geotracker	2003	2011	8	27
T0601300345-MW-14	East Bay Plain	Observation			Unknown	Geotracker	2003	2011	8	28
T0601300345-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2003	2011	8	26
T0601300345-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2003	2011	8	25
T0601300345-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2003	2011	8	26
T0601300345-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2003	2011	8	26
T0601300345-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2003	2011	8	27
T0601300345-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2003	2011	8	28
T0601300345-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2003	2011	8	26
T0601300345-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2003	2011	8	26
T0601300350-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2003	1	6
T0601300350-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2003	1	6
T0601300350-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2003	1	6
T0601300350-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2002	2003	1	6
T0601300483-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2005	2012	7	24
T0601300483-MW-10	East Bay Plain	Observation			Unknown	Geotracker	2007	2012	5	18
T0601300483-MW-11	East Bay Plain	Observation			Unknown	Geotracker	2007	2012	5	18
T0601300483-MW-12	East Bay Plain	Observation			Unknown	Geotracker	2007	2012	5	18
T0601300483-MW-13	East Bay Plain	Observation			Unknown	Geotracker	2007	2012	5	18
T0601300483-MW-14	East Bay Plain	Observation			Unknown	Geotracker	2007	2012	5	18
T0601300483-MW-15	East Bay Plain	Observation			Unknown	Geotracker	2008	2012	4	11
T0601300483-MW-16	East Bay Plain	Observation			Unknown	Geotracker	2008	2012	4	9
T0601300483-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2005	2012	7	24
T0601300483-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2005	2012	7	25
T0601300483-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2005	2012	7	25
T0601300483-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2005	2012	7	25
T0601300483-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2007	2012	5	18
T0601300483-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2007	2010	3	10
T0601300483-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2007	2012	5	18
T0601300612-MW1	East Bay Plain	Observation			Unknown	Geotracker	2002	2006	4	9
T0601300612-MW2	East Bay Plain	Observation			Unknown	Geotracker	2002	2006	4	7
T0601300612-MW3	East Bay Plain	Observation			Unknown	Geotracker	2002	2006	4	9
T0601300612-MW4	East Bay Plain	Observation			Unknown	Geotracker	2002	2006	4	9
T0601300612-MW5	East Bay Plain	Observation			Unknown	Geotracker	2002	2006	4	9
T0601300612-MW6	East Bay Plain	Observation			Unknown	Geotracker	2002	2006	4	9
T0601300612-MW7	East Bay Plain	Observation			Unknown	Geotracker	2002	2006	4	9
T0601300612-MW8	East Bay Plain	Observation			Unknown	Geotracker	2002	2006	4	9
T0601300687-EX-1	East Bay Plain	Observation			Unknown	Geotracker	2003	2010	7	25
T0601300687-FDN	East Bay Plain	Observation			Unknown	Geotracker	2003	2010	7	25
T0601300687-FDS	East Bay Plain	Observation			Unknown	Geotracker	2003	2010	7	18

Table C-1. Summary of Groundwater Level Data

Well ID	Subbasin	Well Use	Total Depth	Perforations	Depth Zone	Dataset	First Measurement	Last Measurement	Period of Record	Measurement Count
T0601300687-FDW	East Bay Plain	Observation			Unknown	Geotracker	2003	2010	7	24
T0601300687-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2003	2010	7	25
T0601300687-MW-10	East Bay Plain	Observation			Unknown	Geotracker	2003	2010	7	24
T0601300687-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2003	2010	7	24
T0601300687-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2003	2010	7	25
T0601300687-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2003	2010	7	25
T0601300687-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2003	2010	7	24
T0601300687-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2003	2010	7	25
T0601300687-MW-7R	East Bay Plain	Observation			Unknown	Geotracker	2004	2010	6	22
T0601300687-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2003	2010	7	25
T0601300687-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2003	2010	7	22
T0601300693-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2008	6	20
T0601300693-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2008	6	16
T0601300693-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2008	6	20
T0601300693-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2002	2008	6	14
T0600100431-MW-4A	East Bay Plain	Observation			Unknown	Geotracker	2014	2014	0	1
T0601300702-MW-10	East Bay Plain	Observation			Unknown	Geotracker	2006	2013	7	20
T0601300702-MW-11	East Bay Plain	Observation			Unknown	Geotracker	2006	2013	7	20
T0601300702-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	31
T0601300702-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	32
T0601300702-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	30
T0601300702-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	32
T0601300702-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	32
T0601300702-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	26
T0601300702-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	26
T0601300702-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2006	2013	7	20
T0601300702-SGI-IW-13	East Bay Plain	Observation			Unknown	Geotracker	2010	2013	3	6
T0601300702-SGI-IW-14	East Bay Plain	Observation			Unknown	Geotracker	2010	2013	3	7
T0601300702-SGI-IW-15	East Bay Plain	Observation			Unknown	Geotracker	2010	2013	3	7
T0601300702-SGI-IW-16	East Bay Plain	Observation			Unknown	Geotracker	2010	2013	3	7
T0601300702-SGI-IW-17	East Bay Plain	Observation			Unknown	Geotracker	2010	2013	3	6
T0601300702-SGI-IW-18	East Bay Plain	Observation			Unknown	Geotracker	2010	2013	3	8
T0601300702-SGI-IW-19	East Bay Plain	Observation			Unknown	Geotracker	2010	2013	3	7
T0601300702-SGI-MW-12	East Bay Plain	Observation			Unknown	Geotracker	2008	2013	5	13
T0601300708-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2001	2003	2	9
T0601300708-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2001	2003	2	9
T0601300708-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2001	2003	2	9
T0601300708-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2001	2003	2	9
T0601300708-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2001	2003	2	9
T0600100552-MW20	East Bay Plain	Observation			Unknown	Geotracker	2014	2014	0	2
T0601300710-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2006	4	17
T0601300710-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2006	4	18
T0601300710-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2006	4	18
T0601300710-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2002	2006	4	17
T0601300710-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2002	2006	4	18
T0601300712-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2008	2019	11	25
T0601300712-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2008	2019	11	26
T0601300712-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2008	2019	11	25
T0601300712-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2009	2019	10	20
T0601300712-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2009	2019	10	21
T0601300712-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2009	2019	10	21
T0601300712-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2009	2019	10	19
T0601300717-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2008	2019	11	30
T0601300717-MW-10	East Bay Plain	Observation			Unknown	Geotracker	2010	2019	9	19
T0601300717-MW-11	East Bay Plain	Observation			Unknown	Geotracker	2010	2019	9	21
T0601300717-MW-12	East Bay Plain	Observation			Unknown	Geotracker	2010	2019	9	21
T0601300717-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2008	2019	11	30
T0601300717-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2008	2019	11	30
T0601300717-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2008	2019	11	30
T0601300717-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2009	2019	10	26
T0601300717-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2009	2019	10	26
T0601300717-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2009	2019	10	26
T0601300717-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2009	2019	10	26
T0601300717-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2010	2019	9	21
T0601307808-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2019	17	51
T0601307808-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2019	17	51
T0601307808-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2019	17	51
T0601307808-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2004	2019	15	46
T0601307808-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2004	2019	15	45
T0601307808-MW-6	East Bay Plain	Observation			Unknown	Geotracker	2004	2019	15	46
T0601307808-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2004	2019	15	44
T0601307808-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2004	2019	15	44
T0601316740-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2006	2008	2	6
T0601316740-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2006	2008	2	6
T0601316740-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2006	2008	2	6
T0600100552-MW21	East Bay Plain	Observation			Unknown	Geotracker	2014	2014	0	2
T0601391856-S-1	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	37
T0601391856-S-2	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	38
T0601391856-S-3	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	36
T0601391856-S-4	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	36
T0601391856-S-5	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	38

Table C-1. Summary of Groundwater Level Data

Well ID	Subbasin	Well Use	Total Depth	Perforations	Depth Zone	Dataset	First Measurement	Last Measurement	Period of Record	Measurement Count
T0601391856-S-6	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	38
T0601391856-S-7	East Bay Plain	Observation			Unknown	Geotracker	2002	2013	11	36
T0601391856-S-8	East Bay Plain	Observation			Unknown	Geotracker	2005	2013	8	25
T0601391856-S-9	East Bay Plain	Observation			Unknown	Geotracker	2005	2013	8	26
L10007627566-M-42	East Bay Plain	Observation		53.76-58	Shallow	Geotracker	2015	2015	0	2
T06019734306-MW-11A	East Bay Plain	Observation			Unknown	Geotracker	2009	2014	5	12
T06019734306-MW-11B	East Bay Plain	Observation			Unknown	Geotracker	2009	2014	5	13
T06019734306-MW-12A	East Bay Plain	Observation			Unknown	Geotracker	2009	2014	5	13
T06019734306-MW-12B	East Bay Plain	Observation			Unknown	Geotracker	2009	2014	5	13
T06019734306-MW-13A	East Bay Plain	Observation			Unknown	Geotracker	2009	2014	5	13
T06019734306-MW-13B	East Bay Plain	Observation			Unknown	Geotracker	2009	2014	5	13
T06019741226-MW1	East Bay Plain	Observation			Unknown	Geotracker	2015	2017	2	5
T06019741226-MW2	East Bay Plain	Observation			Unknown	Geotracker	2015	2017	2	5
T06019741226-MW3	East Bay Plain	Observation			Unknown	Geotracker	2015	2017	2	5
T06019744728-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2009	2010	1	6
T0600101969-APLMW-1	East Bay Plain	Observation			Unknown	Geotracker	2015	2015	0	1
T0600101969-APLMW-2	East Bay Plain	Observation			Unknown	Geotracker	2015	2015	0	1
T0600101969-APLMW-3	East Bay Plain	Observation			Unknown	Geotracker	2015	2015	0	1
T06019771096-B-1	East Bay Plain	Observation			Unknown	Geotracker	2012	2013	1	2
T06019771096-TW-2	East Bay Plain	Observation			Unknown	Geotracker	2012	2013	1	1
T06019771096-TW-3	East Bay Plain	Observation			Unknown	Geotracker	2012	2013	1	2
T06019771096-W-1	East Bay Plain	Observation			Unknown	Geotracker	2012	2013	1	2
T06019771096-W-10	East Bay Plain	Observation			Unknown	Geotracker	2012	2013	1	2
T06019771096-W-3	East Bay Plain	Observation			Unknown	Geotracker	2012	2013	1	2
T06019771096-W-4	East Bay Plain	Observation			Unknown	Geotracker	2012	2013	1	2
T06019771096-W-5	East Bay Plain	Observation			Unknown	Geotracker	2012	2013	1	2
T06019771096-W-6	East Bay Plain	Observation			Unknown	Geotracker	2012	2013	1	2
T06019771096-W-7	East Bay Plain	Observation			Unknown	Geotracker	2012	2013	1	2
T06019771096-W-8	East Bay Plain	Observation			Unknown	Geotracker	2012	2013	1	2
T06019771096-W-9	East Bay Plain	Observation			Unknown	Geotracker	2012	2013	1	2
T0619716673-MW1	East Bay Plain	Observation			Unknown	Geotracker	2011	2019	8	20
T0619716673-MW2	East Bay Plain	Observation			Unknown	Geotracker	2011	2019	8	20
T0619716673-MW3	East Bay Plain	Observation			Unknown	Geotracker	2011	2019	8	20
T0619716673-MW3A	East Bay Plain	Observation			Unknown	Geotracker	2012	2019	7	15
T0619716673-MW4	East Bay Plain	Observation			Unknown	Geotracker	2011	2019	8	21
T0619716673-MW5	East Bay Plain	Observation			Unknown	Geotracker	2011	2019	8	20
T0619716673-MW6	East Bay Plain	Observation			Unknown	Geotracker	2011	2019	8	20
T0619716673-MW7	East Bay Plain	Observation			Unknown	Geotracker	2014	2019	5	10
T0619716673-MW8	East Bay Plain	Observation			Unknown	Geotracker	2014	2019	5	10
T0619716673-MW9	East Bay Plain	Observation			Unknown	Geotracker	2015	2019	4	9
T0619716673-SVE1	East Bay Plain	Observation			Unknown	Geotracker	2012	2017	5	11
T0619716673-SVE4	East Bay Plain	Observation			Unknown	Geotracker	2015	2016	1	3
T0619716673-SVE5	East Bay Plain	Observation			Unknown	Geotracker	2015	2016	1	3
T0619716673-SVE6	East Bay Plain	Observation			Unknown	Geotracker	2015	2018	3	5
T0619716673-SVE7	East Bay Plain	Observation			Unknown	Geotracker	2015	2018	3	5
T0619718179-MW-10	East Bay Plain	Observation			Unknown	Geotracker	2011	2012	1	5
T0619718179-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2011	2012	1	5
T0619718179-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2011	2012	1	5
T0619718179-MW-9	East Bay Plain	Observation			Unknown	Geotracker	2011	2012	1	5
T10000000088-VMW-1	East Bay Plain	Observation			Unknown	Geotracker	2003	2015	12	35
T10000000088-VMW-2	East Bay Plain	Observation			Unknown	Geotracker	2003	2015	12	35
T10000000088-VMW-3	East Bay Plain	Observation			Unknown	Geotracker	2003	2014	11	30
T10000000088-VMW-4	East Bay Plain	Observation			Unknown	Geotracker	2010	2015	5	21
T10000000088-VMW-5	East Bay Plain	Observation			Unknown	Geotracker	2010	2015	5	21
T10000000088-VMW-6	East Bay Plain	Observation			Unknown	Geotracker	2013	2014	1	5
T10000000088-VMW-7	East Bay Plain	Observation			Unknown	Geotracker	2013	2014	1	5
T10000000088-VMW-8	East Bay Plain	Observation			Unknown	Geotracker	2013	2014	1	5
T10000000417-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2009	2013	4	11
T10000000417-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2009	2013	4	10
T10000000417-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2009	2013	4	11
T10000001001-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2009	2010	1	4
T10000001001-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2009	2010	1	4
T10000001001-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2009	2010	1	4
T10000001026-SGI-MW-1	East Bay Plain	Observation			Unknown	Geotracker	2010	2019	9	18
T10000001026-SGI-MW-2	East Bay Plain	Observation			Unknown	Geotracker	2010	2019	9	18
T10000001026-SGI-MW-3	East Bay Plain	Observation			Unknown	Geotracker	2010	2019	9	18
T10000001026-SGI-MW-4	East Bay Plain	Observation			Unknown	Geotracker	2010	2019	9	18
T10000001026-SGI-MW-5	East Bay Plain	Observation			Unknown	Geotracker	2010	2019	9	16
T10000001026-SGI-MW-7	East Bay Plain	Observation			Unknown	Geotracker	2010	2019	9	18
T10000001026-SGI-MW-8	East Bay Plain	Observation			Unknown	Geotracker	2010	2019	9	17
T10000001544-NCW-05A	East Bay Plain	Observation			Unknown	Geotracker	2013	2017	4	7
T10000001544-NCW-06A	East Bay Plain	Observation			Unknown	Geotracker	2013	2017	4	8
T10000001544-NCW-06B	East Bay Plain	Observation			Unknown	Geotracker	2013	2017	4	7
T10000001544-NCW-08A	East Bay Plain	Observation			Unknown	Geotracker	2013	2017	4	8
T10000001544-NCW-09A	East Bay Plain	Observation			Unknown	Geotracker	2013	2017	4	8
T10000006351-MW-3A	East Bay Plain	Observation			Unknown	Geotracker	2016	2019	3	9
T10000006351-MW-4A	East Bay Plain	Observation			Unknown	Geotracker	2016	2019	3	9
T10000006351-MW-5A	East Bay Plain	Observation			Unknown	Geotracker	2016	2019	3	9
T10000006351-MW-6A	East Bay Plain	Observation			Unknown	Geotracker	2018	2019	1	3
T10000008040-MW-01	East Bay Plain	Observation			Unknown	Geotracker	2017	2018	1	3
T10000008040-MW-02	East Bay Plain	Observation			Unknown	Geotracker	2017	2018	1	3

Table C-1. Summary of Groundwater Level Data

Well ID	Subbasin	Well Use	Total Depth	Perforations	Depth Zone	Dataset	First Measurement	Last Measurement	Period of Record	Measurement Count
T10000008040-MW-03	East Bay Plain	Observation			Unknown	Geotracker	2017	2018	1	3
T10000008040-MW-04	East Bay Plain	Observation			Unknown	Geotracker	2017	2018	1	3
T10000008040-MW-05	East Bay Plain	Observation			Unknown	Geotracker	2017	2018	1	3
T10000008417-MW4	East Bay Plain	Observation			Unknown	Geotracker	2016	2017	1	2
T10000008417-MW6	East Bay Plain	Observation			Unknown	Geotracker	2016	2017	1	2
T0600100213-MW-12	East Bay Plain	Observation			Unknown	Geotracker	2019	2019	0	1
T0600100213-MW-13	East Bay Plain	Observation			Unknown	Geotracker	2019	2019	0	1
T0619716673-MW1A	East Bay Plain	Observation			Unknown	Geotracker	2019	2019	0	1
T0619716673-MW2A	East Bay Plain	Observation			Unknown	Geotracker	2019	2019	0	1
T0619716673-MW4A	East Bay Plain	Observation			Unknown	Geotracker	2019	2019	0	1
T0619716673-MW5A	East Bay Plain	Observation			Unknown	Geotracker	2019	2019	0	1
T0619716673-MW6A	East Bay Plain	Observation			Unknown	Geotracker	2019	2019	0	1
T10000010738-EX-1	East Bay Plain	Observation			Unknown	Geotracker	2017	2018	1	3
T10000010738-EX-2	East Bay Plain	Observation			Unknown	Geotracker	2017	2018	1	3
T10000010738-EX-3	East Bay Plain	Observation			Unknown	Geotracker	2017	2018	1	3
T10000010738-OB-2	East Bay Plain	Observation			Unknown	Geotracker	2017	2018	1	3
T10000010738-OB-4	East Bay Plain	Observation			Unknown	Geotracker	2017	2018	1	3
T10000010738-OB-5	East Bay Plain	Observation			Unknown	Geotracker	2017	2018	1	3

*Transducer Data

Table C-2. Summary of Groundwater Quality Data

Well ID	Subbasin	Well Use	Total Depth	Perf. Top	Perf. Bottom	Depth Zone	Dataset	ALL CONSTITUENTS				Total Dissolved Solids (TDS)				Chloride (Cl)				Nitrate (NO3-N)				Arsenic (As)				Manganese (Mn)			
								First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count
0103039-001	East Bay Plain	Municipal	-	-	-	Unknown	DDW	1997	1997	0	13	1997	1997	0	1	1997	1997	0	1	1997	1997	0	1	1997	1997	0	1	1997	1997	0	1
0103039-002	East Bay Plain	Municipal	-	-	-	Unknown	DDW	2006	2010	4	15	2006	2006	0	1	2006	2006	0	1	2006	2010	4	2	2006	2006	0	1	2006	2006	0	1
0103039-004	East Bay Plain	Municipal	-	0	100	Shallow	DDW	2001	2017	16	37	2003	2006	3	2	2003	2006	3	2	2001	2017	16	10	2003	2006	3	2	2003	2006	3	2
0103041-001	East Bay Plain	Municipal	-	-	-	Unknown	DDW	1990	2016	26	129	1990	2015	25	8	1990	2015	25	8	1990	2016	26	22	1990	2015	25	8	1990	2015	25	8
0110006-003	East Bay Plain	Municipal	-	-	-	Unknown	DDW	1999	2008	9	26	1999	2006	7	2	1999	2006	7	2	1999	2006	7	2	1999	2006	7	2	1999	2006	7	2
0110006-006	East Bay Plain	Municipal	-	-	-	Unknown	DDW	1999	2008	9	26	1999	2006	7	2	1999	2006	7	2	1999	2006	7	2	1999	2006	7	2	1999	2006	7	2
0110006-007	East Bay Plain	Municipal	-	-	-	Unknown	DDW	1999	2008	9	33	1999	2006	7	2	1999	2006	7	2	1999	2006	7	2	1999	2006	7	3	1999	2006	7	3
01S/04W-04A01	East Bay Plain	Unknown	200	-	-	Shallow	DWR	1967	1981	14	29	1979	1979	0	1	1967	1981	14	7	1977	1977	0	1	-	-	-	-	-	-	-	-
01S/04W-04R01	East Bay Plain	Unknown	320	220	320	Intermediate	DWR	1989	1989	0	5	-	-	-	-	1989	1989	0	1	-	-	-	-	-	-	-	-	-	-	-	-
01S/04W-34F02	East Bay Plain	Unknown	-	-	-	Unknown	DWR	1973	1973	0	8	1973	1973	0	1	1973	1973	0	1	1973	1973	0	1	-	-	-	-	-	-	-	-
01S/04W-34F04	East Bay Plain	Unknown	-	-	-	Unknown	DWR	1975	1988	13	35	1975	1975	0	1	1975	1988	13	8	1975	1977	2	2	-	-	-	-	-	-	-	-
01S/04W-34R02	East Bay Plain	Unknown	-	-	-	Unknown	DWR	1967	1967	0	4	-	-	-	-	1967	1967	0	1	-	-	-	-	-	-	-	-	-	-	-	-
01S/04W-35A02	East Bay Plain	Unknown	-	-	-	Unknown	DWR	1982	1982	0	2	-	-	-	-	1982	1982	0	1	-	-	-	-	-	-	-	-	-	-	-	-
02S/03W-08Q01	East Bay Plain	Unknown	-	-	-	Unknown	DWR	1967	1967	0	4	-	-	-	-	1967	1967	0	1	-	-	-	-	-	-	-	-	-	-	-	-
02S/03W-16R01	East Bay Plain	Unknown	495	324	479	Intermediate	USGS	1998	2011	13	50	1998	2011	13	4	1998	2011	13	3	2007	2011	4	2	1998	2011	13	1	1998	2011	13	2
02S/03W-17K01	East Bay Plain	Unknown	205	-	-	Shallow	USGS	1998	1998	0	28	1998	1998	0	2	1998	1998	0	1	1998	1998	0	2	1998	1998	0	1	1998	1998	0	1
02S/03W-17K02	East Bay Plain	Unknown	85	-	-	Shallow	USGS	1998	1998	0	26	1998	1998	0	2	1998	1998	0	1	1998	1998	0	1	1998	1998	0	1	1998	1998	0	1
02S/03W-17K03	East Bay Plain	Unknown	360	-	-	Intermediate	USGS	1999	1999	0	28	1999	1999	0	2	1999	1999	0	1	1999	1999	0	2	1999	1999	0	1	1999	1999	0	1
02S/03W-17K04	East Bay Plain	Unknown	555	-	-	Deep	USGS	1999	1999	0	24	1999	1999	0	2	1999	1999	0	1	1999	1999	0	1	1999	1999	0	1	1999	1999	0	1
02S/03W-19Q01	East Bay Plain	Unknown	518	-	-	Deep	DWR	1966	1989	23	134	1966	1985	19	14	1966	1989	23	21	1972	1977	5	2	-	-	-	-	-	-	-	-
02S/03W-19Q03	East Bay Plain	Unknown	1,000	-	-	Deep	USGS	1998	1999	1	137	1998	1999	1	9	1998	1999	1	7	1998	1999	1	4	1998	1999	1	2	1998	1999	1	7
02S/03W-21J01	East Bay Plain	Unknown	1,000	-	-	Deep	DWR	1959	1976	17	114	1959	1976	17	12	1959	1976	17	16	-	-	-	-	-	-	-	-	-	-	-	-
02S/03W-21J02	East Bay Plain	Unknown	1,000	-	-	Deep	DWR	1978	1980	2	28	1978	1980	2	3	1978	1980	2	4	1978	1978	0	1	-	-	-	-	-	-	-	-
02S/03W-22K08	East Bay Plain	Unknown	551	-	-	Deep	USGS	1998	1998	0	5	-	-	-	-	1998	1998	0	1	-	-	-	-	-	-	-	-	-	-	-	-
02S/03W-22L03	East Bay Plain	Unknown	945	-	-	Deep	USGS	1998	1999	1	31	1998	1998	0	2	1998	1998	0	2	-	-	-	-	1998	1998	0	1	1998	1998	0	1
02S/03W-22Q02	East Bay Plain	Unknown	944	272	944	Intermediate-Deep	USGS	1999	1999	0	208	1999	1999	0	11	1999	1999	0	10	1999	1999	0	21	1999	1999	0	1	1999	1999	0	11
02S/03W-25B03	East Bay Plain	Unknown	88	-	-	Shallow	USGS	1998	1999	1	12	-	-	-	-	1998	1998	0	1	-	-	-	-	-	-	-	-	-	-	-	-
02S/03W-26C03	East Bay Plain	Unknown	100	-	-	Shallow	USGS	1998	1999	1	15	-	-	-	-	1998	1999	1	2	-	-	-	-	-	-	-	-	-	-	-	-
02S/03W-28G01	East Bay Plain	Unknown	250	-	-	Intermediate	USGS	1955	1999	44	259	1955	1999	44	25	1955	1999	44	35	1975	1999	24	4	1999	1999	0	1	1999	1999	0	1
02S/03W-30D02	East Bay Plain	Unknown	-	-	-	Unknown	DWR	1967	1972	5	6	-	-	-	-	1967	1972	5	2	-	-	-	-	-	-	-	-	-	-	-	-
02S/03W-33H03	East Bay Plain	Unknown	180	-	-	Shallow	DWR	1959	1989	30	217	1959	1985	26	23	1959	1989	30	31	1972	1977	5	2	-	-	-	-	-	-	-	-
02S/03W-34F01	East Bay Plain	Unknown	490	-	-	Intermediate	USGS	2000	2000	0	21	2000	2000	0	1	2000	2000	0	1	2000	2000	0	1	2000	2000	0	1	2000	2000	0	1
02S/03W-36L01	East Bay Plain	Unknown	120	72	114	Shallow	DWR	1974	1988	14	78	1974	1986	12	8	1974	1988	14	13	1974	1978	4	2	-	-	-	-	-	-	-	-
02S/03W-36M02	East Bay Plain	Unknown	306	116	292	Shallow-Intermediate	DWR	1974	1989	15	84	1974	1985	11	8	1974	1989	15	14	1974	1978	4	2	-	-	-	-	-	-	-	-
02S/04W-03E01	East Bay Plain	Unknown	353	269	345	Intermediate	USGS	1959	2007	48	252	1959	1999	40	26	1959	1999	40	35	1972	2007	35	3	1999	1999	0	1	1999	1999	0	1
02S/04W-10B01	East Bay Plain	Unknown	-	-	-	Unknown	DWR	1982	1982	0	2	-	-	-	-	1982	1982	0	1	-	-	-	-	-	-	-	-	-	-	-	-
02S/04W-11D01	East Bay Plain	Unknown	-	-	-	Unknown	DWR	1982	1982	0	2	-	-	-	-	1982	1982	0	1	-	-	-	-	-	-	-	-	-	-	-	-
02S/04W-11E01	East Bay Plain	Unknown	-	-	-	Unknown	DWR	1982	1982	0	2	-	-	-	-	1982	1982	0	1	-	-	-	-	-	-	-	-	-	-	-	-
02S/04W-12R01	East Bay Plain	Unknown	325	-	-	Intermediate	DWR	1967	1971	4	8	-	-	-	-	1967	1971	4	2	-	-	-	-	-	-	-	-	-	-	-	-
02S/04W-25A01	East Bay Plain	Unknown	325	-	-	Intermediate	DWR	1959	1981	22	171	1959	1981	22	18	1959	1981	22	24	1973	1977	4	2	-	-	-	-	-	-	-	-
03S/02W-07E01	East Bay Plain	Unknown	540	-	-	Deep	USGS	2000	2000	0	22	2000	2000	0	2	2000	2000	0	1	2000	2000	0	1	2000	2000	0	1	2000	2000	0	1
03S/02W-07G12	East Bay Plain	Unknown	595	-	-	Deep	USGS	1999	1999	0	25	1999	1999	0	2	1999	1999	0	1	1999	1999	0	2	1999	1999	0	1	1999	1999	0	1
03S/02W-07J01	East Bay Plain	Unknown	-	-	-	Unknown	DWR	1967	1973	6	11	-	-	-	-	1967	1973	6	3	-	-	-	-	-	-	-	-	-	-	-	-
03S/02W-08E01	East Bay Plain	Unknown	335	-	-	Intermediate	USGS	2008	2008	0	19	2008	2008	0	2	2008	2008	0	1	-	-	-	-	2008	2008	0	1	2008	2008	0	1
03S/02W-08E02	East Bay Plain	Unknown	210	-	-	Shallow	USGS	2008	2008	0	19	2008	2008	0	2	2008	2008	0	1	-	-	-	-	2008	2008	0	1	2008	2008	0	1
03S/02W-08E03	East Bay Plain	Unknown	120	-	-	Shallow	USGS	2008	2008	0	20	2008	2008	0	2	2008	2008	0	1	-	-	-	-	2008	2008	0	1	2008	2008	0	1
03S/02W-08M03	East Bay Plain	Unknown	85	-	-	Shallow	USGS	1975	1999	24	108	1975	1987	12	9	1975	1999	24	17	1975	1977	2	2	-	-	-	-	-	-	-	-
03S/02W-18K03	East Bay Plain	Unknown	155	-	-	Shallow	USGS	1998	2007	9	31	1999	1999	0	2	1998	1999	1	2	1999	2007	8	2	1999	1999	0	0	1999	1999	0	1
03S/02W-18L01	East Bay Plain	Unknown	300	-	-	Intermediate	USGS	1999	1999	0	5	-	-	-	-	1999	1999	0	1	-	-	-	-	-	-	-	-	-	-	-	-
03S/02W-19R04	East Bay Plain	Unknown	112	-	-	Shallow	USGS	1959	1998	39	217	1959	1984	25	22	1959	1998	39	31	1972	1978	6	2	1975	1975	0	1	1975	1975	0	1
03S/02W-20L20	East Bay Plain	Unknown	600	500	585	Deep	USGS	1993	2006	13	73	1993	2006	13	9	1993	2006	13	6	2002	2002	0	3	2002	2002	0	3	1993	2006	13	7
03S/02W-20L20	East Bay Plain	Unknown	600	-	-	Deep	USGS	1993	2006	13	73	1993	2006	13	9	1993	2006	13	6	2002	2002	0	3	2002	2002	0	3	1993	2006	13	7
03S/02W-21D03	East Bay Plain	Unknown	220	-	-	Intermediate	USGS	1999	1999	0	5	-	-	-	-	1999	1999	0	1	-	-	-	-	-	-	-	-	-	-	-	-
03S/02W-21E13	East Bay Plain	Unknown	550	245	530	Intermediate-Deep	ACPWA	1989	2006	17	72	1989	2006	17	8	1989	2006	17	9	1999	1999	0	1	1998	1999	1	3	1989	2006	17	7
03S/02W-21E13	East Bay Plain	Unknown	550	-	-	Intermediate-Deep	USGS	1989	2006	17	72	1989	2006	17	8	1989	2006	17	9	1999	1999	0	1	1998	1999	1	3	1989	2006	17	7
03S/02W-28D03	East Bay Plain	Unknown	232	152	232	Shallow-Intermediate	DWR	1989	1989	0	5	-	-	-	-	1989	1989	0	1	-	-	-	-	-	-	-	-	-	-	-	-
03S/02W-29L06	East Bay Plain	Unknown	600	-	-	Deep	USGS	2002	2007	5	25	2002	2002	0	2	2002	2002	0	1	2002	2007	5	2	2002	2002	0	1	2002	2002	0	1
03S/02W-30R14	East Bay Plain	Unknown	80	-	-	Shallow	DWR	1960	1989	29	215	1960	1987	27	23	1960	1989	29	30	1972	1977	5	2	-	-	-	-	-	-	-	-
03S/02W-32D02	East Bay Plain	Unknown	560	431	550	Intermediate-Deep	DWR	1955	1988	33	224	1955	1986	31	24	1955	1988	33	32	1977	1977	0	1	-	-	-	-	-	-	-	-
03S/02W-32D03	East Bay Plain	Unknown	-	-	-	Unknown	DWR	1967	1967	0	4	-	-	-	-	1967	1967	0	1	-	-	-	-	-	-	-	-	-	-	-	-
03S/02W-34P06	East Bay Plain	Unknown	92	33	84	Shallow	DWR	1974	1988	14	88	1974	1986	12	9	1974	1988	14	15	1974	1978	4	2	-	-	-	-	-	-	-	-
03S/03W-01G01	East Bay Plain	Unknown	701	351	685	Intermediate-Deep	ACPWA	1959	1981	22	162	1959	1981	22	18	1959	1981	22	18	-	-	-	-	-	-	-	-	-	-	-	-
03S/03W-01G03	East Bay Plain	Unknown	-	-	-	Unknown	DWR	1967	1972	5	12	1972	1972	0	1	1967	1972	5	2	1972	1972	0	1	-	-	-	-	-	-	-	-
03S/03W-01K01	East Bay Plain	Unknown	-	-	-	Unknown	DWR	1974	1981	7	17	-	-	-	-	1974	1981	7	5	1977	1977	0	1	-	-	-	-	-	-	-	-
03S/03W-11F01	East Bay Plain	Unknown	610	-	-	Deep	USGS	2008	2008	0	18	2008	2008	0	2	2008	2008	0	1	-	-	-	-	2008	2008	0	1	2008	2008	0	1
03S/03W-11F02	East Bay Plain	Unknown	360	-	-	Intermediate	USGS	2008	2008	0	17	2008	2008	0	2	2008	2008	0	1	-	-	-	-	2008	2008	0	1	2008	2008	0	1
03S/03W-11F03	East Bay Plain	Unknown	120	-	-	Shallow	USGS	2008	2008	0	18	2008	2008	0	2	2008	2008	0	1	-	-	-	-	2008	2008	0	1	2008	2008	0	1
03S/03W-12C01	East Bay Plain	Unknown	106	-	-	Shallow	DWR	1985	1989	4	18	1985	1985	0	2	1985	1989	4	3	-	-	-	-	-	-	-	-	-	-	-	-
03S/03W-13A05	East Bay Plain	Unknown	90	-	-	Shallow	USGS	1998	1998	0	26	1998	1998	0	2	1998	1998	0	1	1998	1998	0	1	1998	1998	0	1	1998	1998	0	1
03S/03W-13B02	East Bay Plain	Unknown	-	-	-	Unknown	DWR	1955	1987	32	218	1955	1987	32	25	1955	1987	32	30	1972	1977	5	2	-	-	-	-	-	-	-	-
03S/03W-13B03	East Bay Plain	Unknown	-	-	-	Unknown	DWR	1967	1967	0	4	-	-	-	-	1967	1967	0	1	-	-	-	-	-	-	-	-	-	-	-	-
03S/03W-13D08	East Bay Plain	Unknown	325	-	-	Intermediate	USGS	2008	2008	0	19	2008	2008	0	2	2008	2008	0	1	-	-	-	-	2008	2008	0	1	2008	2008	0	1
03S/03W-13D09	East Bay Plain	Unknown	210	-	-	Shallow	USGS	2008	2008	0	19	2008	2008	0	2	2008	2008	0	1	-	-	-	-	2008	2008	0	1	2008	2008	0	1
03S/03W-14K07	East Bay Plain	Unknown	660	-	-	Deep	USGS	1998	1998	0	26	1998	1998	0	2	1998	1998	0	1	1998	1998	0	2	1998	1998	0	1	1998	1998	0	1
03S/03W-14K09	East Bay Plain	Unknown	660	-	-	Deep	USGS	1997	1997	0	23	1997	1997	0	1	1997	1997	0	1	1997	1997	0	1	-	-	-	-	1997	1997	0	1
03S/03W-14K10	East Bay Plain	Unknown	200	-	-	Shallow	USGS	1998	1998	0	23	1998	1998	0	2	1998	1998	0	1	1998	1998	0	1	1998	1998	0	1	1998	1998	0	1
03S/03W-14K11	East Bay Plain	Unknown	60	-	-	Shallow	USGS	1998	1998	0	26	1998	1998	0	2	1998	1998	0	1	1998	1998	0	1	1998	1998	0	1	1998	1998	0	1
03S/03W-14K17	East Bay Plain	Unknown	1,010	-	-	Deep	USGS	2007	2007	0	20	2007	2007	0	1	2007	2007	0	1	-	-	-	-	2007	2007	0	1	2007	2007	0	1

Table C-2. Summary of Groundwater Quality Data

Well ID	Subbasin	Well Use	Total Depth	Perf. Top	Perf. Bottom	Depth Zone	Dataset	ALL CONSTITUENTS				Total Dissolved Solids (TDS)				Chloride (Cl)				Nitrate (NO3-N)				Arsenic (As)				Manganese (Mn)			
								First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count
03S/03W-14K18	East Bay Plain	Unknown	860	-	-	Deep	USGS	2007	2007	0	19	2007	2007	0	2	2007	2007	0	1	-	-	-	-	2007	2007	0	1	2007	2007	0	1
03S/03W-14K19	East Bay Plain	Unknown	640	-	-	Deep	USGS	2007	2007	0	21	2007	2007	0	2	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1
03S/03W-14K20	East Bay Plain	Unknown	318	-	-	Intermediate	USGS	2007	2007	0	20	2007	2007	0	2	2007	2007	0	1	-	-	-	-	2007	2007	0	1	2007	2007	0	1
03S/03W-14K21	East Bay Plain	Unknown	138	-	-	Shallow	USGS	2007	2007	0	20	2007	2007	0	2	2007	2007	0	1	-	-	-	-	2007	2007	0	1	2007	2007	0	1
03S/03W-15M19	East Bay Plain	Unknown	600	-	-	Deep	USGS	1998	1999	1	26	1999	1999	0	2	1998	1999	1	2	1999	1999	0	1	1999	1999	0	1	1999	1999	0	1
03S/03W-24J01	East Bay Plain	Unknown	-	-	-	Unknown	DWR	1955	1984	29	147	1955	1984	29	16	1955	1984	29	21	1974	1978	4	2	-	-	-	-	-	-	-	-
03S/03W-24Q02	East Bay Plain	Unknown	80	-	-	Shallow	DWR	1956	1987	31	208	1956	1987	31	23	1956	1987	31	30	1978	1978	0	1	-	-	-	-	-	-	-	-
03S/03W-36R03	East Bay Plain	Unknown	360	303	327	Intermediate	DWR	1974	1982	8	60	1974	1982	8	6	1974	1982	8	10	1974	1978	4	2	-	-	-	-	-	-	-	-
04S/02W-04E01	East Bay Plain	Unknown	535	-	-	Deep	USGS	2002	2002	0	20	2002	2002	0	2	2002	2002	0	1	2002	2002	0	1	2002	2002	0	1	2002	2002	0	1
04S/02W-05A01	East Bay Plain	Unknown	535	-	-	Deep	USGS	2017	2017	0	18	2017	2017	0	1	2017	2017	0	1	-	-	-	-	2017	2017	0	1	2017	2017	0	1
EBMUD MW-1	East Bay Plain	Monitoring	665	-	-	Deep	EBMUD	2003	2003	0	7	2003	2003	0	1	2003	2003	0	1	-	-	-	-	2003	2003	0	1	-	-	-	-
EBMUD MW-2I	East Bay Plain	Monitoring	210	-	-	Shallow	EBMUD	2009	2018	9	100	2009	2018	9	10	2009	2018	9	10	2009	2018	9	10	-	-	-	-	-	-	-	-
EBMUD MW-2S	East Bay Plain	Monitoring	210	-	-	Shallow	EBMUD	2003	2018	15	107	2003	2018	15	11	2003	2018	15	11	2009	2018	9	10	2003	2003	0	1	-	-	-	-
EBMUD MW-4	East Bay Plain	Monitoring	705	-	-	Deep	EBMUD	2003	2018	15	99	2003	2018	15	10	2003	2018	15	10	2009	2018	9	9	2003	2003	0	1	-	-	-	-
EBMUD MW-5D	East Bay Plain	Monitoring	1,025	-	-	Deep	EBMUD	2003	2018	15	57	2003	2018	15	6	2003	2018	15	6	2014	2018	4	5	2003	2003	0	1	-	-	-	-
EBMUD MW-5D	East Bay Plain	Monitoring	1,025	-	-	Deep	EBMUD	2003	2018	15	57	2003	2018	15	6	2003	2018	15	6	2014	2018	4	5	2003	2003	0	1	-	-	-	-
EBMUD MW-5S	East Bay Plain	Monitoring	460	-	-	Intermediate	EBMUD	2003	2003	0	7	2003	2003	0	1	2003	2003	0	1	-	-	-	-	2003	2003	0	1	-	-	-	-
EBMUD MW-6	East Bay Plain	Monitoring	1,000	-	-	Deep	EBMUD	2003	2018	15	64	2003	2018	15	7	2003	2018	15	7	2012	2018	6	5	2003	2003	0	2	-	-	-	-
EBMUD MW-7	East Bay Plain	Monitoring	680	-	-	Deep	EBMUD	2003	2018	15	17	2003	2018	15	2	2003	2018	15	2	2018	2018	0	1	2003	2003	0	1	-	-	-	-
Hayward Well 9	East Bay Plain	Unknown	-	156	526	Shallow-Intermediate-Deep	City of Hayward	1959	1991	32	34	1985	1991	6	2	1959	1991	32	3	-	-	-	-	1991	1991	0	0	1985	1991	6	2
Hayward Well D	East Bay Plain	Unknown	-	-	-	Unknown	City of Hayward	1993	1993	0	14	1993	1993	0	1	1993	1993	0	1	-	-	-	-	1993	1993	0	1	1993	1993	0	1
Hayward Well E	East Bay Plain	Unknown	-	470	525	Intermediate-Deep	City of Hayward	1999	2018	19	39	1999	2018	19	8	1999	2018	19	8	-	-	-	-	1999	1999	0	1	1999	2006	7	4
L10001617019-WW-10	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2005	2016	11	19	2008	2008	0	1	2008	2008	0	1	2005	2012	7	16	2006	2016	10	4	2008	2008	0	1
L10001617019-WW-5R	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2005	2016	11	18	2008	2008	0	1	2008	2008	0	1	2005	2012	7	17	2006	2016	10	3	2008	2008	0	1
L10006224883-L-4	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2018	8	129	2010	2018	8	15	2010	2018	8	15	2010	2018	8	30	2016	2018	2	6	2016	2018	2	6
L10006224883-L-5	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2018	8	129	2010	2018	8	15	2010	2018	8	15	2010	2018	8	30	2016	2018	2	6	2016	2018	2	6
L10007627566-E-21R1	East Bay Plain	Monitoring	-	50	54	Shallow	Geotracker	2007	2018	11	23	2007	2018	11	21	-	-	-	-	-	-	-	-	2008	2013	5	2	-	-	-	-
L10007627566-M-71	East Bay Plain	Monitoring	-	10	57	Shallow	Geotracker	2007	2018	11	24	2007	2018	11	22	-	-	-	-	-	-	-	-	2008	2013	5	2	-	-	-	-
L10007627566-M-72	East Bay Plain	Monitoring	-	5	56	Shallow	Geotracker	2007	2018	11	24	2007	2018	11	22	-	-	-	-	-	-	-	-	2008	2013	5	2	-	-	-	-
L10009353957-CW-9	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2018	7	240	2011	2018	7	30	2011	2018	7	30	2013	2018	5	6	2011	2018	7	60	2011	2018	7	30
L10009353957-GW-1B-1	East Bay Plain	Monitoring	-	111	131	Shallow	Geotracker	2016	2016	0	7	2016	2016	0	1	2016	2016	0	1	2016	2016	0	1	2016	2016	0	1	2016	2016	0	1
L10009353957-GW-1B-2	East Bay Plain	Monitoring	-	118	133	Shallow	Geotracker	2016	2016	0	7	2016	2016	0	1	2016	2016	0	1	2016	2016	0	1	2016	2016	0	1	2016	2016	0	1
L10009353957-GW-5B	East Bay Plain	Monitoring	-	102	122	Shallow	Geotracker	2016	2016	0	11	2016	2016	0	2	2016	2016	0	2	2016	2016	0	2	2016	2016	0	1	2016	2016	0	1
L10009353957-GW-65B	East Bay Plain	Monitoring	-	117	127	Shallow	Geotracker	2016	2016	0	7	2016	2016	0	1	2016	2016	0	1	2016	2016	0	1	2016	2016	0	1	2016	2016	0	1
SF-38	East Bay Plain	Municipal	535	-	-	Intermediate-Deep	USGS	2007	2017	10	19	2017	2017	0	1	2017	2017	0	1	2007	2017	10	2	2017	2017	0	1	2017	2017	0	1
SF-39	East Bay Plain	Municipal	600	480	580	Intermediate-Deep	USGS	2007	2007	0	4	-	-	-	-	-	-	-	-	2007	2007	0	1	-	-	-	-	-	-	-	-
SF-40	East Bay Plain	Municipal	550	245	530	Intermediate-Deep	USGS	2007	2007	0	4	-	-	-	-	-	-	-	-	2007	2007	0	1	-	-	-	-	-	-	-	-
SF-41	East Bay Plain	Municipal	155	35	155	Shallow	USGS	2007	2007	0	4	-	-	-	-	-	-	-	-	2007	2007	0	1	-	-	-	-	-	-	-	-
SF-42	East Bay Plain	Municipal	495	324	479	Intermediate	USGS	2007	2011	4	19	2011	2011	0	1	2011	2011	0	1	2007	2011	4	2	2011	2011	0	1	2011	2011	0	1
SF-43	East Bay Plain	Municipal	353	262	300	Intermediate	USGS	2007	2007	0	4	-	-	-	-	-	-	-	-	2007	2007	0	1	-	-	-	-	-	-	-	-
SFM-F1	East Bay Plain	Municipal	1,010	990	1,010	Deep	USGS	2007	2007	0	15	-	-	-	-	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1
SFM-F2	East Bay Plain	Municipal	860	830	860	Deep	USGS	2007	2007	0	16	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1
SFM-F3	East Bay Plain	Municipal	640	530	640	Deep	USGS	2007	2007	0	16	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1
SFM-F4	East Bay Plain	Municipal	318	298	318	Intermediate	USGS	2007	2007	0	16	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1
SFM-F5	East Bay Plain	Municipal	138	128	138	Shallow	USGS	2007	2007	0	16	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1
SL0600114143-MW-A1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2005	2014	9	90	-	-	-	-	2005	2014	9	24	2005	2011	6	21	-	-	-	-	-	-	-	-
SL0600114143-MW-A2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2005	2007	2	28	-	-	-	-	2005	2007	2	7	2005	2007	2	7	-	-	-	-	-	-	-	-
SL0600114143-MW-B1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2005	2014	9	90	-	-	-	-	2005	2014	9	24	2005	2011	6	21	-	-	-	-	-	-	-	-
SL0600114143-MW-B2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2005	2007	2	24	-	-	-	-	2005	2007	2	6	2005	2007	2	6	-	-	-	-	-	-	-	-
SL0600114143-MW-F1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2005	2014	9	90	-	-	-	-	2005	2014	9	24	2005	2011	6	21	-	-	-	-	-	-	-	-
SL0600114143-MW-F2	East Bay Plain	Monitoring	-	45	60	Shallow	Geotracker	2005	2007	2	28	-	-	-	-	2005	2007	2	7	2005	2007	2	7	-	-	-	-	-	-	-	-
SL0600114143-MW-G1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2005	2014	9	90	-	-	-	-	2005	2014	9	24	2005	2011	6	21	-	-	-	-	-	-	-	-
SL0600161821-MW-21R	East Bay Plain	Monitoring	69	60	70	Shallow	Geotracker	2010	2016	6	25	-	-	-	-	2011	2016	5	9	2010	2016	6	10	-	-	-	-	-	-	-	-
SL0600161821-MW-23R	East Bay Plain	Monitoring	70	60	70	Shallow	Geotracker	2010	2016	6	25	-	-	-	-	2011	2016	5	9	2010	2016	6	10	-	-	-	-	-	-	-	-
SL0600161821-MW-25	East Bay Plain	Monitoring	-	39	50	Shallow	Geotracker	2006	2010	4	21	-	-	-	-	2010	2010	0	4	2006	2010	4	7	-	-	-	-	2006	2007	1	2
SL0600161821-MW-25R	East Bay Plain	Monitoring	68	60	70	Shallow	Geotracker	2010	2016	6	25	-	-	-	-	2011	2016	5	9	2010	2016	6	10	-	-	-	-	-	-	-	-
SL0600161821-MW-28	East Bay Plain	Monitoring	59	50	60	Shallow	Geotracker	2010	2016	6	36	-	-	-	-	2010	2016	6	13	2010	2016	6	13	-	-	-	-	-	-	-	-
SL0600161821-MW-29	East Bay Plain	Monitoring	69	60	70	Shallow	Geotracker	2010	2016	6	35	-	-	-	-	2010	2016	6	12	2010	2016	6	13	-	-	-	-	-	-	-	-
SL0600161821-MW-31	East Bay Plain	Monitoring	60	50	60	Shallow	Geotracker	2010	2016	6	36	-	-	-	-	2010	2016	6	13	2010	2016	6	13	-	-	-	-	-	-	-	-
SL0600161821-MW-33	East Bay Plain	Monitoring	65	53	63	Shallow	Geotracker	2010	2016	6	35	-	-	-	-	2010	2016	6	12	2010	2016	6	13	-	-	-	-	-	-	-	-
SL0600161821-MW-35	East Bay Plain	Monitoring	70	55	65	Shallow	Geotracker	2010	2016	6	36	-	-	-	-	2010	2016	6	13	2010	2016	6	13	-	-	-	-	-	-	-	-
SL0600161821-MW-37	East Bay Plain	Monitoring	71	59	69	Shallow	Geotracker	2010	2016	6	26	-	-	-	-	2010	2016	6	10	2010	2016	6	10	-	-	-	-	-	-	-	-
SL0600161821-MW-38	East Bay Plain	Monitoring	69	60	70	Shallow	Geotracker	2011	2016	5	30	-	-	-	-	2011	2016	5	12	2011	2016	5	12	-	-	-	-	-	-	-	-
SL18236654-106C	East Bay Plain	Monitoring	-	60	80	Shallow	Geotracker	2010	2014	4	4	-	-	-	-	-	-	-	-	-	-	-	-	2010	2014	4	3	-	-	-	-
SL18236654-236C	East Bay Plain	Monitoring	-	50	60	Shallow	Geotracker	2008	2017	9	19	-	-	-	-	-	-	-	-	-	-	-	-	2008	2017	9	18	-	-	-	-
SL18236654-569C	East Bay Plain	Monitoring	-	41	51	Shallow	Geotracker	2008	2017	9	23	-	-	-	-	-	-	-	-	-	-	-	-	2008	2017	9	18	-	-	-	-
SL18236654-685C	East Bay Plain	Monitoring	-	62	80	Shallow	Geotracker	2008	2017	9	19	-	-	-	-	-	-	-	-	-	-	-	-	2008	2017	9	15	-	-	-	-
SL1823N1137-MW-3	East Bay Plain	Monitoring	72	-	64	Shallow	Geotracker	2011	2011	0	1	2011	2011	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SL18244665-A	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2018	7	54	-	-	-	-	-	-	-	-	-	-	-	-	2011	2018	7	54	-	-	-	-
SL18244665-A-B3	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2018	7	56	-	-	-	-	-	-	-	-	-	-	-	-	2011	2018	7	56	-	-	-	-
SL18244665-B2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2018	7	58	-	-	-	-	-	-	-	-	-	-	-	-	2011	2018	7	58	-	-	-	-
SL18244665-C	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2018	7	143	-	-	-	-	-	-	-	-	-	-	-	-	2011	2018	7	143	-	-	-	-
SL18244665-C2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2018	7	58	-	-	-	-	-	-	-	-	-	-	-	-	2011	2018	7	58	-	-	-	-
SL18244665-D	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2018	7	58	-	-	-	-	-	-	-	-	-	-	-	-	2011	2018	7	58	-	-	-	-
SL18244665-E	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2018	7	58	-	-	-	-	-	-	-	-	-	-	-	-	2011	2018	7	58	-	-	-	-
SL18244665-F	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2018	7	58	-	-	-	-	-	-	-	-	-	-	-	-	2011	2018	7	58	-	-	-	-
SL18244665-GW-10B	East Bay Plain	Monitoring	-	120	140	Shallow	Geotracker	2011	2016	5	36	2011	2016	5	6	2011	2016	5	6	2011	2016	5	6	2011	2016	5	6	2011	2016	5	6
SL18244665-GW-14C	East Bay Plain	Monitoring	-	38	57	Shallow	Geotracker	2015	2015	0	6	2015	2015	0	1	2015	2015	0	1	2015	2015	0	1	2015	2015	0	1	2015	2015	0	1

Table C-2. Summary of Groundwater Quality Data

Well ID	Subbasin	Well Use	Total Depth	Perf. Top	Perf. Bottom	Depth Zone	Dataset	ALL CONSTITUENTS				Total Dissolved Solids (TDS)				Chloride (Cl)				Nitrate (NO3-N)				Arsenic (As)				Manganese (Mn)			
								First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count
SL18244665-GW-15C	East Bay Plain	Monitoring	-	45	62	Shallow	Geotracker	2011	2018	7	66	2011	2018	7	15	2011	2018	7	15	2011	2017	6	7	2011	2018	7	15	2011	2017	6	7
SL18244665-GW-19C	East Bay Plain	Monitoring	-	43	62	Shallow	Geotracker	2011	2017	6	42	2011	2017	6	7	2011	2017	6	7	2011	2017	6	7	2011	2017	6	7	2011	2017	6	7
SL18244665-GW-21C	East Bay Plain	Monitoring	-	48	67	Shallow	Geotracker	2011	2017	6	42	2011	2017	6	7	2011	2017	6	7	2011	2017	6	7	2011	2017	6	7	2011	2017	6	7
SL18244665-GW-22C	East Bay Plain	Monitoring	-	43	63	Shallow	Geotracker	2011	2018	7	66	2011	2018	7	15	2011	2018	7	15	2011	2017	6	7	2011	2018	7	15	2011	2017	6	7
SL18244665-GW-23C	East Bay Plain	Monitoring	-	43	63	Shallow	Geotracker	2011	2018	7	66	2011	2018	7	15	2011	2018	7	15	2011	2017	6	7	2011	2018	7	15	2011	2017	6	7
SL18244665-GW-25C	East Bay Plain	Monitoring	-	54	74	Shallow	Geotracker	2011	2018	7	66	2011	2018	7	15	2011	2018	7	15	2011	2017	6	7	2011	2018	7	15	2011	2017	6	7
SL18244665-GW-26C	East Bay Plain	Monitoring	-	65	75	Shallow	Geotracker	2011	2018	7	66	2011	2018	7	15	2011	2018	7	15	2011	2017	6	7	2011	2018	7	15	2011	2017	6	7
SL18244665-GW-6B-2	East Bay Plain	Monitoring	-	108	128	Shallow	Geotracker	2011	2016	5	43	2011	2016	5	7	2011	2016	5	7	2011	2016	5	6	2011	2016	5	7	2011	2016	5	7
SL18244665-GW-7B	East Bay Plain	Monitoring	-	121	137	Shallow	Geotracker	2011	2017	6	111	2011	2017	6	21	2011	2017	6	21	2011	2017	6	18	2011	2017	6	19	2011	2017	6	20
SL18244665-GW-7C	East Bay Plain	Monitoring	-	33	53	Shallow	Geotracker	2011	2017	6	42	2011	2017	6	7	2011	2017	6	7	2011	2017	6	7	2011	2017	6	7	2011	2017	6	7
SL18244665-GW-8B	East Bay Plain	Monitoring	-	88	107	Shallow	Geotracker	2015	2015	0	6	2015	2015	0	1	2015	2015	0	1	2015	2015	0	1	2015	2015	0	1	2015	2015	0	1
SL18244665-GW-8C	East Bay Plain	Monitoring	-	43	63	Shallow	Geotracker	2011	2017	6	42	2011	2017	6	7	2011	2017	6	7	2011	2017	6	7	2011	2017	6	7	2011	2017	6	7
SL20244862-AMW-11BR	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2018	2018	0	5	-	-	-	-	-	-	-	-	2018	2018	0	1	-	-	-	-	2018	2018	0	2
SL20244862-AMW-13B	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2018	9	6	-	-	-	-	-	-	-	-	2009	2018	9	2	-	-	-	-	2018	2018	0	2
SL20244862-AMW-18B	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2019	8	18	-	-	-	-	-	-	-	-	2011	2019	8	3	-	-	-	-	2011	2019	8	6
SL20244862-AMW-1A	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2019	10	12	-	-	-	-	-	-	-	-	2009	2019	10	3	-	-	-	-	2018	2019	1	4
SL20244862-AMW-1B	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2006	2019	13	25	-	-	-	-	-	-	-	-	2009	2019	10	4	-	-	-	-	2018	2019	1	6
SL20244862-AMW-2B	East Bay Plain	Monitoring	-	28	-	Unknown	Geotracker	2006	2019	13	25	-	-	-	-	-	-	-	-	2009	2019	10	3	-	-	-	-	2018	2019	1	4
SL20244862-AMW-3A	East Bay Plain	Monitoring	-	8	-	Unknown	Geotracker	2006	2009	3	10	-	-	-	-	-	-	-	-	2009	2009	0	1	-	-	-	-	-	-	-	-
SL20244862-AMW-3B	East Bay Plain	Monitoring	-	22	-	Unknown	Geotracker	2006	2019	13	30	-	-	-	-	-	-	-	-	2009	2019	10	4	-	-	-	-	2018	2019	1	6
SL20244862-AMW-4A	East Bay Plain	Monitoring	-	7	-	Unknown	Geotracker	2006	2019	13	10	-	-	-	-	-	-	-	-	2009	2019	10	2	-	-	-	-	2019	2019	0	2
SL20244862-AMW-4B	East Bay Plain	Monitoring	-	23	-	Unknown	Geotracker	2006	2019	13	30	-	-	-	-	-	-	-	-	2009	2019	10	4	-	-	-	-	2018	2019	1	6
SL20244862-AMW-5B	East Bay Plain	Monitoring	-	23	-	Unknown	Geotracker	2006	2019	13	24	-	-	-	-	-	-	-	-	2018	2019	1	2	-	-	-	-	2018	2019	1	4
SL20244862-AMW-9B	East Bay Plain	Monitoring	-	24	-	Unknown	Geotracker	2006	2019	13	38	-	-	-	-	-	-	-	-	2009	2019	10	4	-	-	-	-	2011	2019	8	6
SL20244862-APZ-1B	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2019	10	14	-	-	-	-	-	-	-	-	2009	2019	10	3	-	-	-	-	2011	2019	8	4
SL20244862-IW-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2012	1	8	-	-	-	-	-	-	-	-	2011	2011	0	1	-	-	-	-	2011	2011	0	2
SL20244862-IW-2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2012	1	8	-	-	-	-	-	-	-	-	2011	2011	0	1	-	-	-	-	2011	2011	0	2
SL20244862-PZ-2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2018	2019	1	9	-	-	-	-	-	-	-	-	2018	2019	1	2	-	-	-	-	2018	2019	1	4
SLT2O07076-MW-17	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2018	8	18	-	-	-	-	-	-	-	-	2010	2018	8	6	-	-	-	-	2010	2018	8	6
SLT2O07076-MW-18	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2018	8	24	-	-	-	-	-	-	-	-	2010	2018	8	8	-	-	-	-	2010	2018	8	8
SLT2O07076-MW-19A	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2018	8	18	-	-	-	-	-	-	-	-	2010	2018	8	6	-	-	-	-	2010	2018	8	6
SLT2O07076-MWX-10A	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2015	2018	3	6	-	-	-	-	-	-	-	-	2015	2018	3	2	-	-	-	-	2015	2018	3	2
SLT2O07076-MWX-11A	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2015	2015	0	3	-	-	-	-	-	-	-	-	2015	2015	0	1	-	-	-	-	2015	2015	0	1
SLT2O07076-MWX-3	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2012	2018	6	9	-	-	-	-	-	-	-	-	2012	2018	6	3	-	-	-	-	2012	2018	6	3
SLT2O07076-MWX-6	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2015	2018	3	6	-	-	-	-	-	-	-	-	2015	2018	3	2	-	-	-	-	2015	2018	3	2
SLT2O07076-MWX-8	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2015	2018	3	6	-	-	-	-	-	-	-	-	2015	2018	3	2	-	-	-	-	2015	2018	3	2
SLT2O07076-MWX-9	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2015	2018	3	6	-	-	-	-	-	-	-	-	2015	2018	3	2	-	-	-	-	2015	2018	3	2
T0600100108-MW-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2010	1	2	-	-	-	-	-	-	-	-	2009	2010	1	2	-	-	-	-	-	-	-	-
T0600100108-MW-16	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2010	1	3	-	-	-	-	-	-	-	-	2009	2010	1	3	-	-	-	-	-	-	-	-
T0600100108-MW-17	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2010	1	3	-	-	-	-	-	-	-	-	2009	2010	1	3	-	-	-	-	-	-	-	-
T0600100108-MW-18	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2010	1	2	-	-	-	-	-	-	-	-	2009	2010	1	2	-	-	-	-	-	-	-	-
T0600100108-MW-19	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2009	0	1	-	-	-	-	-	-	-	-	2009	2009	0	1	-	-	-	-	-	-	-	-
T0600100108-MW-2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2010	0	1	-	-	-	-	-	-	-	-	2010	2010	0	1	-	-	-	-	-	-	-	-
T0600100108-MW-3	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2010	1	3	-	-	-	-	-	-	-	-	2009	2010	1	3	-	-	-	-	-	-	-	-
T0600100108-MW-4	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2010	0	1	-	-	-	-	-	-	-	-	2010	2010	0	1	-	-	-	-	-	-	-	-
T0600100108-MW-5	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2010	0	1	-	-	-	-	-	-	-	-	2010	2010	0	1	-	-	-	-	-	-	-	-
T0600100108-MW-8	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2009	0	1	-	-	-	-	-	-	-	-	2009	2009	0	1	-	-	-	-	-	-	-	-
T0600100201-DPE-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2011	0	4	-	-	-	-	2011	2011	0	1	2011	2011	0	2	-	-	-	-	-	-	-	-
T0600100201-DPE-4	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2011	0	4	-	-	-	-	2011	2011	0	1	2011	2011	0	2	-	-	-	-	-	-	-	-
T0600100201-DPE-5	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2011	0	4	-	-	-	-	2011	2011	0	1	2011	2011	0	2	-	-	-	-	-	-	-	-
T0600100201-EX-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2012	1	6	-	-	-	-	2011	2011	0	1	2011	2012	1	3	-	-	-	-	-	-	-	-
T0600100201-EX-2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2012	1	6	-	-	-	-	2011	2011	0	1	2011	2012	1	3	-	-	-	-	-	-	-	-
T0600100201-MW-11	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2012	2012	0	2	-	-	-	-	-	-	-	-	2012	2012	0	1	-	-	-	-	-	-	-	-
T0600100201-MW-4	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2012	2012	0	11	-	-	-	-	-	-	-	-	2012	2012	0	3	-	-	-	-	-	-	-	-
T0600100201-MW-9	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2012	2012	0	2	-	-	-	-	-	-	-	-	2012	2012	0	1	-	-	-	-	-	-	-	-
T0600100210-AW-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2005	2011	6	22	2005	2005	0	1	-	-	-	-	2005	2011	6	8	-	-	-	-	2005	2011	6	8
T0600100210-AW-2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2008	2011	3	15	-	-	-	-	-	-	-	-	2008	2011	3	7	-	-	-	-	2008	2011	3	7
T0600100210-AW-4	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2005	2011	6	22	2005	2005	0	1	-	-	-	-	2005	2011	6	8	-	-	-	-	2005	2011	6	8
T0600100210-AW-5	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2008	2011	3	15	-	-	-	-	-	-	-	-	2008	2011	3	7	-	-	-	-	2008	2011	3	7
T0600100210-AW-6	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2008	2011	3	15	-	-	-	-	-	-	-	-	2008	2011	3	7	-	-	-	-	2008	2011	3	7
T0600100210-MW-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2005	2011	6	22	2005	2005	0	1	-	-	-	-	2005	2011	6	8	-	-	-	-	2005	2011	6	8
T0600100210-MW-2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2005	2005	0	7	2005	2005	0	1	-	-	-	-	2005	2005	0	1	-	-	-	-	2005	2005	0	1
T0600100210-MW-3	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2008	2011	3	15	-	-	-	-	-	-	-	-	2008	2011	3	7	-	-	-	-	2008	2011	3	7
T0600100210-RW-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2008	2011	3	15	-	-	-	-	-	-	-	-	2008	2011	3	7	-	-	-	-	2008	2011	3	7
T0600100213-MW-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2008	2008	0	2	-	-	-	-	-	-	-	-	2008	2008	0	1	-	-	-	-	2008	2008	0	1
T0600100213-MW-10	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2008	2009	1	8	-	-	-	-	-	-	-	-	2008	2009	1	4	-	-	-	-	2008	2009	1	4
T0600100213-MW-2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2008	2009	1	6	-	-	-	-	-	-	-	-	2008	2009	1	3	-	-	-	-	2008	2009	1	3
T0600100213-MW-3	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2009	0	2	-	-	-	-	-	-	-	-	2009	2009	0	1	-	-	-	-	2009	2009	0	1
T0600100213-MW-4	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2009	0	2	-	-	-	-	-	-	-	-	2009	2009	0	1	-	-	-	-	2009	2009	0	1
T0600100213-MW-5	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2008	2009	1	8	-	-	-	-	-	-	-	-	2008	2009	1	4	-	-	-	-	2008	2009	1	4
T0600100213-MW-6	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2009	0	2	-	-	-	-	-	-	-	-	2009	2009	0	1	-	-	-	-	2009	2009	0	1
T0600100213-MW-7	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2009	0	2	-	-	-	-	-	-	-	-	2009	2009	0	1	-	-	-	-	2009	2009	0	1
T0600100213-MW-8	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2009	0	4	-	-	-	-	-	-	-	-	2009	2009	0	2	-	-	-	-	2009	2009	0	2
T0600100213-MW-9	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2008	2009	1	8	-	-	-	-	-	-	-	-	2008	2009	1	4	-	-	-	-	2008	2009	1	4
T0600100213-RW-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2008	2008	0	2	-	-	-	-	-	-	-	-	2008	2008	0	1	-	-	-	-	2008	2008	0	1
T0600100379-GP-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2011	0	2	-	-	-	-	-	-	-	-	2011	2011	0	1	-	-	-	-	2011	2011	0	1
T0600100379-GP-11	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2011	0	4	-	-	-	-	-	-	-	-	2011	2011	0	2	-	-	-	-	2011	2011	0	2
T0600100379-GP-2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2011	0	2	-	-	-	-	-	-	-	-	2011	2011	0	1	-	-	-	-	2011	2011	0	1

Table C-2. Summary of Groundwater Quality Data

Well ID	Subbasin	Well Use	Total Depth	Perf. Top	Perf. Bottom	Depth Zone	Dataset	ALL CONSTITUENTS				Total Dissolved Solids (TDS)				Chloride (Cl)				Nitrate (NO3-N)				Arsenic (As)				Manganese (Mn)			
								First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count
T0600100379-GP-3	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2011	0	4	-	-	-	-	-	-	-	-	2011	2011	0	2	-	-	-	-	2011	2011	0	2
T0600100379-GP-4	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2011	0	4	-	-	-	-	-	-	-	-	2011	2011	0	2	-	-	-	-	2011	2011	0	2
T0600100379-GP-5	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2011	0	2	-	-	-	-	-	-	-	-	2011	2011	0	1	-	-	-	-	2011	2011	0	1
T0600100379-GP-8	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2011	0	4	-	-	-	-	-	-	-	-	2011	2011	0	2	-	-	-	-	2011	2011	0	2
T0600100379-GP-9	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2011	0	4	-	-	-	-	-	-	-	-	2011	2011	0	2	-	-	-	-	2011	2011	0	2
T0600100379-MW-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2011	0	2	-	-	-	-	-	-	-	-	2011	2011	0	1	-	-	-	-	2011	2011	0	1
T0600100379-MW-2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2011	0	2	-	-	-	-	-	-	-	-	2011	2011	0	1	-	-	-	-	2011	2011	0	1
T0600100379-MW-3	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2011	0	2	-	-	-	-	-	-	-	-	2011	2011	0	1	-	-	-	-	2011	2011	0	1
T0600100379-W-IND	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2011	0	2	-	-	-	-	-	-	-	-	2011	2011	0	1	-	-	-	-	2011	2011	0	1
T0600100766-MW-2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2013	2	14	-	-	-	-	-	-	-	-	-	-	-	-	2011	2013	2	5	-	-	-	-
T0600100766-MW-3	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2013	4	22	-	-	-	-	-	-	-	-	2009	2009	0	4	2011	2013	2	5	-	-	-	-
T0600100766-MW-4	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2013	2	14	-	-	-	-	-	-	-	-	-	-	-	-	2011	2013	2	5	-	-	-	-
T0600100766-MW-6	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2013	2	14	-	-	-	-	-	-	-	-	-	-	-	-	2011	2013	2	5	-	-	-	-
T0600100766-MW-7	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2013	2	14	-	-	-	-	-	-	-	-	-	-	-	-	2011	2013	2	5	-	-	-	-
T0600100766-MW-8	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2013	2	14	-	-	-	-	-	-	-	-	-	-	-	-	2011	2013	2	5	-	-	-	-
T0600100939-MW-2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2016	6	24	2010	2016	6	8	-	-	-	-	2012	2014	2	4	-	-	-	-	2014	2014	0	2
T0600100939-MW-3	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2018	8	32	2010	2018	8	10	-	-	-	-	2012	2018	6	5	-	-	-	-	2013	2018	5	3
T0600100939-OW-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2012	2	8	2010	2012	2	3	-	-	-	-	2012	2012	0	1	-	-	-	-	-	-	-	-
T0600101043-MW-5	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2012	2012	0	2	-	-	-	-	-	-	-	-	2012	2012	0	2	-	-	-	-	-	-	-	-
T0600101062-OW-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2017	2017	0	1	2017	2017	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101062-OW-2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2017	2017	0	1	2017	2017	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101065-S-6	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2007	2007	0	1	2007	2007	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101065-S-7	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2007	2007	0	1	2007	2007	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101065-S-8	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2007	2007	0	1	2007	2007	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101065-S-9	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2007	2007	0	1	2007	2007	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101244-S-3R	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2006	2006	0	2	2006	2006	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101244-S-6	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2006	2006	0	2	2006	2006	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101244-S-8	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2006	2006	0	2	2006	2006	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101245-AS-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2001	2003	2	4	-	-	-	-	-	-	-	-	2001	2003	2	3	-	-	-	-	-	-	-	-
T0600101245-AS-2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2001	2003	2	6	-	-	-	-	-	-	-	-	2001	2003	2	5	-	-	-	-	-	-	-	-
T0600101245-AS-3	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2001	2003	2	2	-	-	-	-	-	-	-	-	2001	2003	2	2	-	-	-	-	-	-	-	-
T0600101245-MW-11	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2002	0	1	-	-	-	-	-	-	-	-	2002	2002	0	1	-	-	-	-	-	-	-	-
T0600101245-MW-12	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2002	0	1	-	-	-	-	-	-	-	-	2002	2002	0	1	-	-	-	-	-	-	-	-
T0600101245-MW-13	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2002	0	2	-	-	-	-	-	-	-	-	2002	2002	0	2	-	-	-	-	-	-	-	-
T0600101255-S-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2005	2005	0	1	2005	2005	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101255-S-2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2005	2005	0	1	2005	2005	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101255-S-3	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2005	2005	0	1	2005	2005	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101255-S-4	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2005	2005	0	1	2005	2005	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101261-MW-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2003	2005	2	9	-	-	-	-	-	-	-	-	2003	2005	2	3	-	-	-	-	-	-	-	-
T0600101261-MW-2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2003	2005	2	6	-	-	-	-	-	-	-	-	2003	2005	2	2	-	-	-	-	-	-	-	-
T0600101261-MW-3	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2003	2005	2	6	-	-	-	-	-	-	-	-	2003	2005	2	2	-	-	-	-	-	-	-	-
T0600101261-MW-4	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2003	2005	2	9	-	-	-	-	-	-	-	-	2003	2005	2	3	-	-	-	-	-	-	-	-
T0600101261-MW-5	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2003	2005	2	9	-	-	-	-	-	-	-	-	2003	2005	2	3	-	-	-	-	-	-	-	-
T0600101273-MW-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2004	2004	0	1	2004	2004	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101273-MW-3	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2004	2004	0	1	2004	2004	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101273-MW-5	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2004	2004	0	1	2004	2004	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101273-MW-6	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2004	2004	0	1	2004	2004	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101273-MW-7	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2004	2004	0	1	2004	2004	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101305-GB005	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2013	2013	0	2	-	-	-	-	-	-	-	-	-	-	-	-	2013	2013	0	1	-	-	-	-
T0600101305-GB006	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2013	2013	0	2	-	-	-	-	-	-	-	-	-	-	-	-	2013	2013	0	1	-	-	-	-
T0600101305-GB007	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2013	2013	0	2	-	-	-	-	-	-	-	-	-	-	-	-	2013	2013	0	1	-	-	-	-
T0600101305-GB011	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2013	2013	0	2	-	-	-	-	-	-	-	-	-	-	-	-	2013	2013	0	1	-	-	-	-
T0600101305-GB018	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2013	2013	0	2	-	-	-	-	-	-	-	-	-	-	-	-	2013	2013	0	1	-	-	-	-
T0600101305-GB024	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2013	2013	0	2	-	-	-	-	-	-	-	-	-	-	-	-	2013	2013	0	1	-	-	-	-
T0600101305-GB026	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2013	2013	0	2	-	-	-	-	-	-	-	-	-	-	-	-	2013	2013	0	1	-	-	-	-
T0600101305-GB027	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2013	2013	0	2	-	-	-	-	-	-	-	-	-	-	-	-	2013	2013	0	1	-	-	-	-
T0600101305-GB028	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2013	2013	0	2	-	-	-	-	-	-	-	-	-	-	-	-	2013	2013	0	1	-	-	-	-
T0600101305-GB029	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2013	2013	0	2	-	-	-	-	-	-	-	-	-	-	-	-	2013	2013	0	1	-	-	-	-
T0600101305-GB035	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2015	2015	0	3	-	-	-	-	-	-	-	-	-	-	-	-	2015	2015	0	2	-	-	-	-
T0600101305-GB036	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2015	2015	0	1	-	-	-	-	-	-	-	-	-	-	-	-	2015	2015	0	1	-	-	-	-
T0600101305-GB037	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2015	2015	0	1	-	-	-	-	-	-	-	-	-	-	-	-	2015	2015	0	1	-	-	-	-
T0600101305-GB038	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2015	2015	0	2	-	-	-	-	-	-	-	-	-	-	-	-	2015	2015	0	1	-	-	-	-
T0600101305-GB039	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2015	2015	0	2	-	-	-	-	-	-	-	-	-	-	-	-	2015	2015	0	1	-	-	-	-
T0600101305-GB041	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2015	2015	0	2	-	-	-	-	-	-	-	-	-	-	-	-	2015	2015	0	1	-	-	-	-
T0600101305-GB042	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2015	2015	0	1	-	-	-	-	-	-	-	-	-	-	-	-	2015	2015	0	1	-	-	-	-
T0600101305-GB043	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2015	2015	0	2	-	-	-	-	-	-	-	-	-	-	-	-	2015	2015	0	1	-	-	-	-
T0600101305-GB045	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2015	2015	0	2	-	-	-	-	-	-	-	-	-	-	-	-	2015	2015	0	1	-	-	-	-
T0600101305-GB046	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2015	2015	0	3	-	-	-	-	-	-	-	-	-	-	-	-	2015	2015	0	1	-	-	-	-
T0600101305-GB047	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2015	2015	0	2	-	-	-	-	-	-	-	-	-	-	-	-	2015	2015	0	1	-	-	-	-
T0600101305-GB048	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2015	2015	0	1	-	-	-	-	-	-	-	-	-	-	-	-	2015	2015	0	1	-	-	-	-
T0600101305-GB049	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2015	2015	0	2	-	-	-	-	-	-	-	-	-	-	-	-	2015	2015	0	1	-	-	-	-
T0600101305-MW-01	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2015	2015	0	8	-	-	-	-	-	-	-	-	-	-	-	-	2015	2015	0	8	-	-	-	-
T0600101305-MW-02	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2015	2015	0	5	-	-	-	-	-	-	-	-	-	-	-	-	2015	2015	0	5	-	-	-	-
T0600101305-MW-03	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2015	2015	0	5	-	-	-	-	-	-	-	-	-	-	-	-	2015	2015	0	5	-	-	-	-
T0600101305-MW-04	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2015	2015	0	5	-	-	-	-	-	-	-	-	-	-	-	-	2015	2015	0	5	-	-	-	-
T0600101305-MW-05	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2015	2015	0	5	-	-	-	-	-	-	-	-	-	-	-	-	2015	2015	0	5	-	-	-	-
T0600101333-MW-2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2010	0	3	-	-	-	-	-	-	-	-	2010	2010	0	1	-	-	-	-	-	-	-	-
T0600101333-MW-4	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2010	0	3	-	-	-	-	-	-	-	-	2010	2010	0	1	-	-	-	-	-	-	-	-

Table C-2. Summary of Groundwater Quality Data

Well ID	Subbasin	Well Use	Total Depth	Perf. Top	Perf. Bottom	Depth Zone	Dataset	ALL CONSTITUENTS				Total Dissolved Solids (TDS)				Chloride (Cl)				Nitrate (NO3-N)				Arsenic (As)				Manganese (Mn)			
								First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count
T0600101333-MW-5	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2010	0	3	-	-	-	-	-	-	-	-	2010	2010	0	1	-	-	-	-	-	-	-	-
T0600101343-MW9C	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2011	0	1	-	-	-	-	-	-	-	-	-	-	-	-	2011	2011	0	1	-	-	-	-
T0600101354-MW6B	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2012	2012	0	1	2012	2012	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101354-MW6E	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2012	2012	0	1	2012	2012	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101354-MW6F	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2012	2012	0	1	2012	2012	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101354-MW6G	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2012	2012	0	1	2012	2012	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101354-MW6H	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2012	2012	0	1	2012	2012	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101354-MW6I	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2012	2012	0	1	2012	2012	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101354-MW6J	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2012	2012	0	1	2012	2012	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101354-RW1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2012	2012	0	1	2012	2012	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101354-RW2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2012	2012	0	1	2012	2012	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101354-RW3A	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2012	2012	0	1	2012	2012	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101368-A-7	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2003	2004	1	5	-	-	-	-	-	-	-	-	2003	2004	1	2	-	-	-	-	-	-	-	-
T0600101368-AR-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2003	2004	1	5	-	-	-	-	-	-	-	-	2003	2004	1	2	-	-	-	-	-	-	-	-
T0600101368-AR-2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2003	2004	1	5	-	-	-	-	-	-	-	-	2003	2004	1	2	-	-	-	-	-	-	-	-
T0600101368-MW-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2003	2004	1	5	-	-	-	-	-	-	-	-	2003	2004	1	2	-	-	-	-	-	-	-	-
T0600101368-MW-2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2003	2004	1	5	-	-	-	-	-	-	-	-	2003	2004	1	2	-	-	-	-	-	-	-	-
T0600101414-MW-3	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2006	2006	0	2	-	-	-	-	2006	2006	0	1	-	-	-	-	-	-	-	-	-	-	-	-
T0600101469-U-1R	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2012	2014	2	10	-	-	-	-	-	-	-	-	2012	2014	2	5	-	-	-	-	-	-	-	-
T0600101469-U-3R	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2012	2014	2	10	-	-	-	-	-	-	-	-	2012	2014	2	5	-	-	-	-	-	-	-	-
T0600101469-U-5	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2013	2014	1	4	-	-	-	-	-	-	-	-	2013	2014	1	2	-	-	-	-	-	-	-	-
T0600101469-U-6	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2012	2014	2	10	-	-	-	-	-	-	-	-	2012	2014	2	5	-	-	-	-	-	-	-	-
T0600101469-U-7	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2012	2014	2	10	-	-	-	-	-	-	-	-	2012	2014	2	5	-	-	-	-	-	-	-	-
T0600101469-U-8	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2012	2014	2	10	-	-	-	-	-	-	-	-	2012	2014	2	5	-	-	-	-	-	-	-	-
T0600101469-U-9	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2013	2014	1	4	-	-	-	-	-	-	-	-	2013	2014	1	2	-	-	-	-	-	-	-	-
T0600101476-MW-11	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2012	2	12	-	-	-	-	-	-	-	-	2010	2012	2	8	-	-	-	-	-	-	-	-
T0600101476-MW-12	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2014	4	28	2012	2012	0	1	2011	2011	0	2	2010	2012	2	11	2011	2014	3	3	2011	2012	1	3
T0600101476-MW-12A	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2012	2	12	-	-	-	-	-	-	-	-	2010	2012	2	8	-	-	-	-	-	-	-	-
T0600101476-MW-13	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2012	2	12	-	-	-	-	-	-	-	-	2010	2012	2	8	-	-	-	-	-	-	-	-
T0600101476-MW-14	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2012	1	10	2012	2012	0	1	-	-	-	-	2011	2012	1	6	-	-	-	-	2012	2012	0	2
T0600101476-MW-15	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2012	1	4	-	-	-	-	-	-	-	-	2011	2012	1	4	-	-	-	-	-	-	-	-
T0600101476-MW-16	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2012	1	4	-	-	-	-	-	-	-	-	2011	2012	1	4	-	-	-	-	-	-	-	-
T0600101476-MW-17	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2012	1	10	2012	2012	0	1	-	-	-	-	2011	2012	1	6	-	-	-	-	2012	2012	0	2
T0600101692-MW-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2011	1	5	-	-	-	-	-	-	-	-	2010	2011	1	5	-	-	-	-	-	-	-	-
T0600101692-MW-10	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2011	1	5	-	-	-	-	-	-	-	-	2010	2011	1	5	-	-	-	-	-	-	-	-
T0600101692-MW-11	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2011	1	5	-	-	-	-	-	-	-	-	2010	2011	1	5	-	-	-	-	-	-	-	-
T0600101692-MW-2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2011	1	5	-	-	-	-	-	-	-	-	2010	2011	1	5	-	-	-	-	-	-	-	-
T0600101692-MW-3	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2011	1	5	-	-	-	-	-	-	-	-	2010	2011	1	5	-	-	-	-	-	-	-	-
T0600101692-MW-4	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2011	1	5	-	-	-	-	-	-	-	-	2010	2011	1	5	-	-	-	-	-	-	-	-
T0600101692-MW-5	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2011	1	5	-	-	-	-	-	-	-	-	2010	2011	1	5	-	-	-	-	-	-	-	-
T0600101692-MW-6	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2011	1	5	-	-	-	-	-	-	-	-	2010	2011	1	5	-	-	-	-	-	-	-	-
T0600101692-MW-7	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2011	1	5	-	-	-	-	-	-	-	-	2010	2011	1	5	-	-	-	-	-	-	-	-
T0600101692-MW-8	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2011	1	5	-	-	-	-	-	-	-	-	2010	2011	1	5	-	-	-	-	-	-	-	-
T0600101692-MW-9	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2011	1	5	-	-	-	-	-	-	-	-	2010	2011	1	5	-	-	-	-	-	-	-	-
T0600101696-MW-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2012	2012	0	1	2012	2012	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101696-MW-2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2012	2012	0	1	2012	2012	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101696-MW-3	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2012	2012	0	1	2012	2012	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101696-MW-4	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2012	2012	0	1	2012	2012	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101696-MW-5	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2012	2012	0	1	2012	2012	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101748-MW1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2011	0	1	-	-	-	-	-	-	-	-	2011	2011	0	1	-	-	-	-	-	-	-	-
T0600101748-MW2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2011	0	1	-	-	-	-	-	-	-	-	2011	2011	0	1	-	-	-	-	-	-	-	-
T0600101748-MW5	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2011	0	1	-	-	-	-	-	-	-	-	2011	2011	0	1	-	-	-	-	-	-	-	-
T0600101764-MW-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2003	2003	0	12	2003	2003	0	1	2003	2003	0	1	-	-	-	-	-	-	-	-	2003	2003	0	1
T0600101866-MW-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2013	2	20	2011	2013	2	2	2011	2013	2	2	2011	2013	2	2	-	-	-	-	2011	2013	2	2
T0600101866-MW-2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2013	2	30	2011	2013	2	3	2011	2013	2	3	2011	2013	2	3	-	-	-	-	2011	2013	2	3
T0600101866-MW-4	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2013	2	30	2011	2013	2	3	2011	2013	2	3	2011	2013	2	3	-	-	-	-	2011	2013	2	3
T0600101866-MW-5	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2013	2	30	2011	2013	2	3	2011	2013	2	3	2011	2013	2	3	-	-	-	-	2011	2013	2	3
T0600101866-MW-8A	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2013	2	30	2011	2013	2	3	2011	2013	2	3	2011	2013	2	3	-	-	-	-	2011	2013	2	3
T0600101922-MW-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2008	2008	0	1	2008	2008	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101922-MW-2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2008	2008	0	3	2008	2008	0	1	2008	2008	0	1	-	-	-	-	-	-	-	-	-	-	-	-
T0600101922-MW-3	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2008	2008	0	1	2008	2008	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600102230-MW-3	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2011	1	4	-	-	-	-	-	-	-	-	2010	2011	1	4	-	-	-	-	-	-	-	-
T0600102230-MW-4	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2011	1	4	-	-	-	-	-	-	-	-	2010	2011	1	4	-	-	-	-	-	-	-	-
T0600102263-MW-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2013	4	73	-	-	-	-	-	-	-	-	2009	2013	4	14	-	-	-	-	2009	2013	4	30
T0600102263-MW-10	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2013	4	80	-	-	-	-	-	-	-	-	2009	2013	4	16	-	-	-	-	2009	2013	4	32
T0600102263-MW-11	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2013	4	75	-	-	-	-	-	-	-	-	2009	2013	4	15	-	-	-	-	2009	2013	4	30
T0600102263-MW-1AR	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2013	4	78	-	-	-	-	-	-	-	-	2009	2013	4	15	-	-	-	-	2009	2013	4	32
T0600102263-MW-1BR	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2013	4	75	-	-	-	-	-	-	-	-	2009	2013	4	15	-	-	-	-	2009	2013	4	30
T0600102263-MW-3	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2013	4	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2009	2009	0	2
T0600102263-MW-4	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2013	4	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2009	2009	0	2
T0600102263-MW-5	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2013	4	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2009	2009	0	2
T0600102263-MW-6	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2013	4	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2009	2009	0	2
T0600102263-MW-7	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2013	4	74	-	-	-	-	-	-	-	-	2009	2013	4	15	-	-	-	-	2009	2013	4	29
T0600102263-MW-8	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2013	4	83	-	-	-	-	-	-	-	-	2009	2013	4	16	-	-	-	-	2009	2013	4	34
T0600102263-MW-9	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2013	4	78	-	-	-	-	-	-	-	-	2009	2013	4	15	-	-	-	-	2009	2013	4	32
T0600102263-TSP-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2009	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2009	2009	0	2
T0600102279-MW-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2009	0	7	-	-	-	-	2009	2009	0	1	2009	2009	0	1	-	-	-	-	2009	2009	0	2
T0600102279-MW-2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2009	0	7	-	-	-	-	2009	2009	0	1	2009	2009	0	1	-	-	-	-	2009	2009	0	2

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								First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count
T0600102279-MW-3	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2009	0	7	-	-	-	-	2009	2009	0	1	2009	2009	0	1	-	-	-	-	2009	2009	0	2
T0600102279-MW-4	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2009	0	7	-	-	-	-	2009	2009	0	1	2009	2009	0	1	-	-	-	-	2009	2009	0	2
T0600102279-MW-6	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2009	0	7	-	-	-	-	2009	2009	0	1	2009	2009	0	1	-	-	-	-	2009	2009	0	2
T0600102279-MW-8	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2009	2009	0	7	-	-	-	-	2009	2009	0	1	2009	2009	0	1	-	-	-	-	2009	2009	0	2
T0600102286-MW-2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2011	0	28	-	-	-	-	-	-	-	-	2011	2011	0	4	2011	2011	0	4	2011	2011	0	4
T0600102286-MW-4	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2011	0	28	-	-	-	-	-	-	-	-	2011	2011	0	4	2011	2011	0	4	2011	2011	0	4
T0600102286-MW-5	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2011	0	28	-	-	-	-	-	-	-	-	2011	2011	0	4	2011	2011	0	4	2011	2011	0	4
T0600102286-MW-6	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2011	0	28	-	-	-	-	-	-	-	-	2011	2011	0	4	2011	2011	0	4	2011	2011	0	4
T0600103398-MW-1	East Bay Plain	Monitoring	54	-	-	Shallow	Geotracker	2010	2011	1	4	-	-	-	-	-	-	-	-	2010	2011	1	4	-	-	-	-	-	-	-	-
T0600103398-MW-2	East Bay Plain	Monitoring	54	-	-	Shallow	Geotracker	2010	2011	1	7	-	-	-	-	-	-	-	-	2010	2011	1	7	-	-	-	-	-	-	-	-
T0600103398-MW-3	East Bay Plain	Monitoring	52	-	-	Shallow	Geotracker	2010	2011	1	4	-	-	-	-	-	-	-	-	2010	2011	1	4	-	-	-	-	-	-	-	-
T0600118672-W-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2005	2005	0	2	-	-	-	-	-	-	-	-	2005	2005	0	2	-	-	-	-	-	-	-	-
T0600118672-W-3	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2005	2005	0	1	-	-	-	-	-	-	-	-	2005	2005	0	1	-	-	-	-	-	-	-	-
T0600118672-W-4	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2005	2005	0	1	-	-	-	-	-	-	-	-	2005	2005	0	1	-	-	-	-	-	-	-	-
T0600177342-MW-101	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2012	2012	0	1	2012	2012	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600177342-MW-102	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2012	2012	0	1	2012	2012	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600177342-MW-103	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2012	2012	0	1	2012	2012	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600177342-MW-104	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2012	2012	0	1	2012	2012	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600191668-MW-5	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2006	2006	0	1	2006	2006	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600191668-MW-6	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2006	2006	0	1	2006	2006	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600194276-FM-01	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2007	2009	2	11	-	-	-	-	2008	2009	1	3	2007	2009	2	8	-	-	-	-	2007	2009	2	4
T0600194276-FM-02	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2007	2009	2	11	-	-	-	-	2008	2009	1	3	2007	2009	2	8	-	-	-	-	2007	2009	2	4
T0600194276-FM-03	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2007	2009	2	11	-	-	-	-	2008	2009	1	3	2007	2009	2	8	-	-	-	-	2007	2009	2	4
T0601300018-BC-4	East Bay Plain	Monitoring	-	60	75	Shallow	Geotracker	2011	2011	0	3	-	-	-	-	-	-	-	-	2011	2011	0	1	-	-	-	-	2011	2011	0	2
T0601300023-MW-6U	East Bay Plain	Monitoring	-	55	80	Shallow	Geotracker	2007	2018	11	14	-	-	-	-	2007	2018	11	12	-	-	-	-	-	-	-	-	-	-	-	-
T0601300023-MW-7U	East Bay Plain	Monitoring	-	55	80	Shallow	Geotracker	2007	2018	11	16	-	-	-	-	2007	2018	11	13	-	-	-	-	-	-	-	-	-	-	-	-
T0601300023-MW-8U	East Bay Plain	Monitoring	-	110	135	Shallow	Geotracker	2007	2018	11	16	-	-	-	-	2007	2018	11	13	-	-	-	-	-	-	-	-	-	-	-	-
T0601300033-MW-1R	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2008	2008	0	2	-	-	-	-	-	-	-	-	2008	2008	0	1	-	-	-	-	-	-	-	-
T0601300033-MW-2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2008	2008	0	2	-	-	-	-	-	-	-	-	2008	2008	0	1	-	-	-	-	-	-	-	-
T0601300033-MW-3	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2008	2008	0	2	-	-	-	-	-	-	-	-	2008	2008	0	1	-	-	-	-	-	-	-	-
T0601300033-MW-4	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2008	2008	0	2	-	-	-	-	-	-	-	-	2008	2008	0	1	-	-	-	-	-	-	-	-
T0601300033-MW-5	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2008	2008	0	2	-	-	-	-	-	-	-	-	2008	2008	0	1	-	-	-	-	-	-	-	-
T0601300033-MW-6	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2008	2008	0	2	-	-	-	-	-	-	-	-	2008	2008	0	1	-	-	-	-	-	-	-	-
T0601300036-EX-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2003	2003	0	2	-	-	-	-	-	-	-	-	2003	2003	0	1	-	-	-	-	2003	2003	0	1
T0601300036-MW-17	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2003	2018	15	36	-	-	-	-	-	-	-	-	2003	2010	7	11	-	-	-	-	2003	2010	7	11
T0601300036-MW-19	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2002	0	2	-	-	-	-	-	-	-	-	2002	2002	0	1	-	-	-	-	-	-	-	-
T0601300111-MW-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2002	0	1	-	-	-	-	-	-	-	-	2002	2002	0	1	-	-	-	-	-	-	-	-
T0601300111-MW-2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2002	0	1	-	-	-	-	-	-	-	-	2002	2002	0	1	-	-	-	-	-	-	-	-
T0601300111-MW-3	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2002	0	1	-	-	-	-	-	-	-	-	2002	2002	0	1	-	-	-	-	-	-	-	-
T0601300111-MW-4	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2002	0	1	-	-	-	-	-	-	-	-	2002	2002	0	1	-	-	-	-	-	-	-	-
T0601300111-MW-5	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2002	0	1	-	-	-	-	-	-	-	-	2002	2002	0	1	-	-	-	-	-	-	-	-
T0601300111-MW-6	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2002	0	1	-	-	-	-	-	-	-	-	2002	2002	0	1	-	-	-	-	-	-	-	-
T0601300345-MW-10	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2010	0	28	-	-	-	-	-	-	-	-	2010	2010	0	4	2010	2010	0	4	2010	2010	0	4
T0601300345-MW-11	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2010	0	28	-	-	-	-	-	-	-	-	2010	2010	0	4	2010	2010	0	4	2010	2010	0	4
T0601300345-MW-3	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2010	0	28	-	-	-	-	-	-	-	-	2010	2010	0	4	2010	2010	0	4	2010	2010	0	4
T0601300345-MW-4	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2010	0	28	-	-	-	-	-	-	-	-	2010	2010	0	4	2010	2010	0	4	2010	2010	0	4
T0601300345-MW-5	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2007	2010	3	29	-	-	-	-	-	-	-	-	2010	2010	0	4	2007	2010	3	5	2010	2010	0	4
T0601300345-MW-6	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2010	0	28	-	-	-	-	-	-	-	-	2010	2010	0	4	2010	2010	0	4	2010	2010	0	4
T0601300483-MW-10	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2008	2011	3	8	-	-	-	-	-	-	-	-	2011	2011	0	1	-	-	-	-	2011	2011	0	2
T0601300483-MW-13	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2008	2011	3	8	-	-	-	-	-	-	-	-	2011	2011	0	1	-	-	-	-	2011	2011	0	2
T0601300483-MW-3	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2008	2011	3	8	-	-	-	-	-	-	-	-	2011	2011	0	1	-	-	-	-	2011	2011	0	2
T0601300483-MW-5	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2008	2011	3	8	-	-	-	-	-	-	-	-	2011	2011	0	1	-	-	-	-	2011	2011	0	2
T0601300483-MW-9	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2008	2011	3	8	-	-	-	-	-	-	-	-	2011	2011	0	1	-	-	-	-	2011	2011	0	2
T0601300702-MW-10	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2007	2013	6	5	-	-	-	-	-	-	-	-	2007	2013	6	5	-	-	-	-	-	-	-	-
T0601300702-MW-11	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2007	2013	6	9	-	-	-	-	-	-	-	-	2007	2013	6	9	-	-	-	-	-	-	-	-
T0601300702-MW-2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2013	11	18	-	-	-	-	-	-	-	-	2002	2010	8	16	-	-	-	-	-	-	-	-
T0601300702-MW-3	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2013	11	23	-	-	-	-	-	-	-	-	2002	2013	11	22	-	-	-	-	-	-	-	-
T0601300702-MW-4	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2013	11	15	-	-	-	-	-	-	-	-	2002	2010	8	13	-	-	-	-	-	-	-	-
T0601300702-MW-5	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2013	11	21	-	-	-	-	-	-	-	-	2002	2013	11	21	-	-	-	-	-	-	-	-
T0601300702-MW-6	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2013	11	15	-	-	-	-	-	-	-	-	2002	2010	8	13	-	-	-	-	-	-	-	-
T0601300702-MW-7	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2013	11	12	-	-	-	-	-	-	-	-	2003	2010	7	10	-	-	-	-	-	-	-	-
T0601300702-MW-8	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2013	11	15	-	-	-	-	-	-	-	-	2003	2010	7	13	-	-	-	-	-	-	-	-
T0601300702-MW-9	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2007	2013	6	7	-	-	-	-	-	-	-	-	2007	2013	6	7	-	-	-	-	-	-	-	-
T0601300702-SGI-IW-13	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2013	3	3	-	-	-	-	-	-	-	-	2010	2012	2	2	-	-	-	-	-	-	-	-
T0601300702-SGI-IW-14	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2013	3	5	-	-	-	-	-	-	-	-	2010	2012	2	4	-	-	-	-	-	-	-	-
T0601300702-SGI-IW-15	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2013	3	4	-	-	-	-	-	-	-	-	2010	2012	2	3	-	-	-	-	-	-	-	-
T0601300702-SGI-IW-16	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2013	3	5	-	-	-	-	-	-	-	-	2010	2012	2	4	-	-	-	-	-	-	-	-
T0601300702-SGI-IW-17	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2013	3	3	-	-	-	-	-	-	-	-	2010	2012	2	2	-	-	-	-	-	-	-	-
T0601300702-SGI-IW-18	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2013	3	6	-	-	-	-	-	-	-	-	2010	2012	2	5	-	-	-	-	-	-	-	-
T0601300702-SGI-IW-19	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2013	3	4	-	-	-	-	-	-	-	-	2010	2012	2	3	-	-	-	-	-	-	-	-
T0601300702-SGI-MW-12	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2010	2013	3	2	-	-	-	-	-	-	-	-	2010	2010	0	1	-	-	-	-	-	-	-	-
T0601300712-MW-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2011	0	3	-	-	-	-	-	-	-	-	2011	2011	0	1	-	-	-	-	-	-	-	-
T0601300712-MW-4	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2011	0	3	-	-	-	-	-	-	-	-	2011	2011	0	1	-	-	-	-	-	-	-	-
T0601300712-MW-5	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2011	0	3	-	-	-	-	-	-	-	-	2011	2011	0	1	-	-	-	-	-	-	-	-
T0601300712-MW-6	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2011	0	3	-	-	-	-	-	-	-	-	2011	2011	0	1	-	-	-	-	-	-	-	-
T0601300712-MW-8	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2011	2011	0	3	-	-	-	-	-	-	-	-	2011	2011	0	1	-	-	-	-	-	-	-	-
T0601391856-S-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2004	2004	0	1	2004	2004	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0601391856-S-3	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2004	2004	0	1	2004	2004	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table C-2. Summary of Groundwater Quality Data

Well ID	Subbasin	Well Use	Total Depth	Perf. Top	Perf. Bottom	Depth Zone	Dataset	ALL CONSTITUENTS				Total Dissolved Solids (TDS)				Chloride (Cl)				Nitrate (NO3-N)				Arsenic (As)				Manganese (Mn)			
								First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count
T0601391856-S-5	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2004	2004	0	1	2004	2004	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0601391856-S-7	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2004	2004	0	1	2004	2004	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T06019741226-MW1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2015	2015	0	5	-	-	-	-	-	-	-	-	2015	2015	0	1	-	-	-	-	2015	2015	0	2
T06019741226-MW2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2015	2015	0	5	-	-	-	-	-	-	-	-	2015	2015	0	1	-	-	-	-	2015	2015	0	2
T06019741226-MW3	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2015	2015	0	5	-	-	-	-	-	-	-	-	2015	2015	0	1	-	-	-	-	2015	2015	0	2
T06019744728-MW-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2008	2008	0	1	-	-	-	-	-	-	-	-	-	-	-	-	2008	2008	0	1	-	-	-	-
T0609592137-BR02-18	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2006	4	96	2002	2004	2	7	2002	2004	2	7	2002	2004	2	7	2002	2005	3	9	2002	2006	4	11
T0609592137-BR02-20	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2004	2	14	2002	2004	2	5	2003	2003	0	1	2003	2003	0	1	2003	2003	0	1	2003	2003	0	1
T0609592137-MW01-01	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2004	2	5	2002	2004	2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0609592137-MW01-02	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2004	2	3	2002	2004	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0609592137-MW02-06R	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2003	1	45	2002	2003	1	3	2002	2003	1	3	2002	2003	1	2	2002	2003	1	5	2002	2003	1	5
T0609592137-MW02-07	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2004	2	5	2002	2004	2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0609592137-MW02-16	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2004	2	4	2002	2004	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0609592137-MW02-17	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2004	2	4	2002	2004	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0609592137-MW02-21	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2006	4	159	2002	2004	2	11	2002	2004	2	10	2002	2004	2	9	2002	2005	3	15	2002	2006	4	18
T0609592137-MW07-01	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2002	0	1	2002	2002	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0609592137-MW10-04	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2004	2	4	2002	2004	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0609592137-MW10-05	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2004	2	11	2002	2004	2	3	2002	2004	2	3	2002	2004	2	3	-	-	-	-	2002	2002	0	1
T0609592137-MW10-08	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2004	2	4	2002	2004	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0609592137-MW10-09	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2004	2	4	2002	2004	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0609592137-MW10-10	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2004	2	17	2002	2004	2	5	2002	2004	2	5	2002	2004	2	5	-	-	-	-	2002	2002	0	1
T0609592137-MW10-21	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2004	2004	0	2	-	-	-	-	2004	2004	0	1	2004	2004	0	1	-	-	-	-	-	-	-	-
T0609592137-MW11-04	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2004	2	14	2002	2004	2	4	2002	2004	2	4	2002	2004	2	4	-	-	-	-	2002	2002	0	1
T0609592137-MW11-05	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2004	2	14	2002	2004	2	4	2002	2004	2	4	2002	2004	2	4	-	-	-	-	2002	2002	0	1
T0609592137-MW11-06	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2004	2	17	2002	2004	2	5	2002	2004	2	5	2002	2004	2	5	-	-	-	-	2002	2002	0	1
T0609592137-MW11-19	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2004	2	18	2002	2004	2	6	2002	2004	2	5	2002	2004	2	5	-	-	-	-	2002	2002	0	1
T0609592137-MW11-57	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2004	2	17	2002	2004	2	5	2002	2004	2	5	2002	2004	2	4	-	-	-	-	2002	2002	0	1
T0609592137-MW11-80	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2003	2004	1	9	2003	2004	1	3	2003	2004	1	3	2003	2004	1	3	-	-	-	-	-	-	-	-
T0609592137-MW11-83	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2004	2	14	2002	2004	2	4	2002	2004	2	4	2002	2004	2	4	-	-	-	-	2002	2002	0	1
T0609592137-MW11-88	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2004	2	14	2002	2004	2	4	2002	2004	2	4	2002	2004	2	4	-	-	-	-	2002	2002	0	1
T0609592137-MWT02-02	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2004	2	10	-	-	-	-	2002	2004	2	4	2002	2004	2	4	-	-	-	-	2002	2002	0	1
T0609592137-MWT06-03	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2003	1	6	-	-	-	-	2002	2003	1	2	2002	2003	1	2	-	-	-	-	2002	2002	0	1
T0609592137-MWT08-04	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2004	2005	1	12	2005	2005	0	1	2004	2005	1	2	2004	2005	1	2	2005	2005	0	1	2005	2005	0	1
T0609592137-PZ11-76	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2004	2004	0	4	-	-	-	-	2004	2004	0	2	2004	2004	0	2	-	-	-	-	-	-	-	-
T0609592137-SW02-04	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2002	2002	0	15	2002	2002	0	1	2002	2002	0	1	2002	2002	0	1	2002	2002	0	1	2002	2002	0	1
T10000001544-NCW-05A	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2015	2015	0	7	-	-	-	-	2015	2015	0	1	2015	2015	0	1	2015	2015	0	1	2015	2015	0	1
T10000001544-NCW-06A	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2015	2017	2	21	2017	2017	0	2	2015	2017	2	3	2015	2017	2	3	2015	2015	0	1	2015	2017	2	3
T10000001544-NCW-06B	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2015	2015	0	7	-	-	-	-	2015	2015	0	1	2015	2015	0	1	2015	2015	0	1	2015	2015	0	1
T10000001544-NCW-08A	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2015	2017	2	20	2017	2017	0	2	2015	2017	2	3	2015	2017	2	3	2015	2015	0	1	2015	2017	2	3
T10000001544-NCW-09A	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2015	2017	2	21	2017	2017	0	2	2015	2017	2	3	2015	2017	2	3	2015	2015	0	1	2015	2017	2	3
T10000001544-NCW-11A	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2016	2017	1	28	2016	2017	1	4	2016	2017	1	4	2016	2017	1	4	-	-	-	-	2016	2017	1	4
T10000003501-MW-1	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2014	2014	0	1	-	-	-	-	-	-	-	-	-	-	-	-	2014	2014	0	1	-	-	-	-
T10000003501-MW-2	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2014	2014	0	1	-	-	-	-	-	-	-	-	-	-	-	-	2014	2014	0	1	-	-	-	-
T10000003501-MW-4	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2014	2014	0	2	-	-	-	-	-	-	-	-	-	-	-	-	2014	2014	0	2	-	-	-	-
T10000008040-MW-01	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2017	2018	1	8	-	-	-	-	-	-	-	-	2017	2017	0	1	2017	2018	1	4	-	-	-	-
T10000008040-MW-02	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2017	2018	1	11	-	-	-	-	2017	2017	0	1	2017	2017	0	2	2017	2018	1	5	-	-	-	-
T10000008040-MW-03	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2017	2018	1	8	-	-	-	-	-	-	-	-	2017	2017	0	1	2017	2018	1	4	-	-	-	-
T10000008040-MW-04	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2017	2018	1	11	-	-	-	-	-	-	-	-	2017	2017	0	1	2017	2018	1	5	-	-	-	-
T10000008040-MW-05	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2017	2018	1	10	-	-	-	-	-	-	-	-	2017	2017	0	1	2017	2018	1	4	-	-	-	-
T10000008417-MW4	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2016	2016	0	1	-	-	-	-	-	-	-	-	-	-	-	-	2016	2016	0	1	-	-	-	-
T10000008417-MW6	East Bay Plain	Monitoring	-	-	-	Unknown	Geotracker	2016	2016	0	1	-	-	-	-	-	-	-	-	-	-	-	-	2016	2016	0	1	-	-	-	-

Table C-3. Summary of Isotope Data

Well ID	Subbasin	Well Use	Depth Zone	Dataset	H2/H1				Deuterium (H2)				Tritium (H3)				C13/C12				Carbon-14 (C14)				Oxygen-18 (O18)				O18/O16			
					First Msmt.	Last Msmt.	Period of Record	Msmt. Count	First Msmt.	Last Msmt.	Period of Record	Msmt. Count	First Msmt.	Last Msmt.	Period of Record	Msmt. Count	First Msmt.	Last Msmt.	Period of Record	Msmt. Count	First Msmt.	Last Msmt.	Period of Record	Msmt. Count	First Msmt.	Last Msmt.	Period of Record	Msmt. Count	First Msmt.	Last Msmt.	Period of Record	Msmt. Count
02S/03W-16R01	East Bay Plain	Industrial	Intermediate	USGS	1998	2011	13	3	-	-	-	-	1998	2011	13	8	2007	2007	0	1	1998	2011	13	6	-	-	-	-	1998	2011	13	3
02S/03W-17K01	East Bay Plain	Unknown	Shallow	USGS	1998	1998	0	1	-	-	-	-	1998	1998	0	2	-	-	-	-	-	-	-	-	-	-	-	-	1998	1998	0	2
02S/03W-17K02	East Bay Plain	Unknown	Shallow	USGS	1998	1998	0	1	-	-	-	-	1998	1998	0	3	-	-	-	-	-	-	-	-	-	-	-	-	1998	1998	0	2
02S/03W-17K03	East Bay Plain	Unknown	Intermediate	USGS	1999	1999	0	1	-	-	-	-	-	-	-	-	1999	1999	0	1	1999	1999	0	2	-	-	-	-	1999	1999	0	2
02S/03W-17K04	East Bay Plain	Unknown	Deep	USGS	1999	1999	0	1	-	-	-	-	-	-	-	-	1999	1999	0	1	1999	1999	0	2	-	-	-	-	1999	1999	0	2
02S/03W-19Q03	East Bay Plain	Unknown	Deep	USGS	1998	1999	1	7	-	-	-	-	1998	1998	0	3	1998	1998	0	1	1998	1998	0	2	-	-	-	-	1998	1999	1	14
02S/03W-22K08	East Bay Plain	Unknown	Deep	USGS	1998	1998	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1998	1998	0	2
02S/03W-22L03	East Bay Plain	Unknown	Deep	USGS	1998	1998	0	1	-	-	-	-	1998	1999	1	6	1998	1998	0	1	1998	1998	0	2	-	-	-	-	1998	1998	0	3
02S/03W-22Q02	East Bay Plain	Industrial	Intermediate-Deep	USGS	1999	1999	0	11	-	-	-	-	-	-	-	-	1999	1999	0	1	1999	1999	0	2	-	-	-	-	1999	1999	0	20
02S/03W-25B03	East Bay Plain	Unknown	Shallow	USGS	1998	1998	0	2	-	-	-	-	1998	1998	0	5	1998	1998	0	1	1999	1999	0	2	-	-	-	-	1998	1998	0	3
02S/03W-26C03	East Bay Plain	Unknown	Shallow	USGS	1998	1999	1	2	-	-	-	-	1999	1999	0	3	-	-	-	-	-	-	-	-	-	-	-	-	1998	1999	1	4
02S/03W-28G01	East Bay Plain	Irrigation	Intermediate	USGS	1998	1999	1	2	-	-	-	-	1999	1999	0	3	1999	1999	0	1	1999	1999	0	2	-	-	-	-	1998	1999	1	4
02S/03W-34F01	East Bay Plain	Unknown	Intermediate	USGS	2000	2000	0	1	-	-	-	-	2000	2000	0	1	-	-	-	-	2000	2000	0	2	-	-	-	-	2000	2000	0	2
02S/04W-03E01	East Bay Plain	Irrigation	Intermediate	USGS	1998	2007	9	3	-	-	-	-	1999	2007	8	4	1999	2007	8	2	1999	2007	8	4	-	-	-	-	1998	2007	9	3
03S/02W-07E01	East Bay Plain	Unknown	Deep	USGS	2000	2000	0	1	-	-	-	-	-	-	-	-	-	-	-	-	2000	2000	0	2	-	-	-	-	2000	2000	0	2
03S/02W-07G12	East Bay Plain	Unknown	Deep	USGS	1999	1999	0	1	-	-	-	-	-	-	-	-	1999	1999	0	1	1999	1999	0	2	-	-	-	-	1999	1999	0	2
03S/02W-08E01	East Bay Plain	Unknown	Intermediate	USGS	2008	2008	0	1	-	-	-	-	2008	2008	0	2	-	-	-	-	2008	2008	0	2	-	-	-	-	2008	2008	0	2
03S/02W-08E02	East Bay Plain	Unknown	Shallow	USGS	2008	2008	0	1	-	-	-	-	2008	2008	0	2	-	-	-	-	2008	2008	0	2	-	-	-	-	2008	2008	0	2
03S/02W-08E03	East Bay Plain	Unknown	Shallow	USGS	2008	2008	0	1	-	-	-	-	2008	2008	0	2	-	-	-	-	2008	2008	0	2	-	-	-	-	2008	2008	0	2
03S/02W-08M03	East Bay Plain	Unknown	Shallow	USGS	1998	1999	1	3	-	-	-	-	1998	1998	0	5	1998	1998	0	1	-	-	-	-	-	-	-	-	1998	1999	1	6
03S/02W-18K03	East Bay Plain	Unknown	Shallow	USGS	1998	2007	9	3	-	-	-	-	1999	2007	8	6	2007	2007	0	1	-	-	-	-	-	-	-	-	1998	2007	9	3
03S/02W-18L01	East Bay Plain	Unknown	Intermediate	USGS	1999	1999	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1999	1999	0	2
03S/02W-19R04	East Bay Plain	Unknown	Shallow	USGS	1998	1998	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1998	1998	0	2
03S/02W-20L20	East Bay Plain	Unknown	Deep	City of Hayward	2002	2002	0	3	2002	2002	0	2	2002	2002	0	1	2002	2002	0	3	2002	2002	0	10	2002	2002	0	2	2002	2002	0	7
03S/02W-21D03	East Bay Plain	Unknown	Intermediate	USGS	1999	1999	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1999	1999	0	2
03S/02W-21E13	East Bay Plain	Unknown	Intermediate-Deep	City of Hayward	1998	2007	9	3	1998	1999	1	4	1999	2007	8	5	1999	2007	8	2	1999	1999	0	10	1998	1999	1	4	1998	2007	9	3
03S/02W-29L06	East Bay Plain	Unknown	Deep	USGS	2002	2007	5	3	-	-	-	-	2002	2007	5	4	2002	2007	5	2	2002	2007	5	4	-	-	-	-	2002	2007	5	3
03S/03W-11F01	East Bay Plain	Unknown	Deep	USGS	2008	2008	0	1	-	-	-	-	2008	2008	0	2	-	-	-	-	2008	2008	0	2	-	-	-	-	2008	2008	0	2
03S/03W-11F02	East Bay Plain	Unknown	Intermediate	USGS	2008	2008	0	1	-	-	-	-	2008	2008	0	2	-	-	-	-	2008	2008	0	2	-	-	-	-	2008	2008	0	2
03S/03W-11F03	East Bay Plain	Unknown	Shallow	USGS	-	-	-	-	-	-	-	-	2008	2008	0	2	-	-	-	-	2008	2008	0	2	-	-	-	-	-	-	-	-
03S/03W-13A05	East Bay Plain	Unknown	Shallow	USGS	1998	1998	0	1	-	-	-	-	1998	1998	0	2	-	-	-	-	-	-	-	-	-	-	-	-	1998	1998	0	2
03S/03W-13D08	East Bay Plain	Unknown	Intermediate	USGS	2008	2008	0	1	-	-	-	-	2008	2008	0	2	-	-	-	-	2008	2008	0	2	-	-	-	-	2008	2008	0	2
03S/03W-13D09	East Bay Plain	Unknown	Shallow	USGS	-	-	-	-	-	-	-	-	2008	2008	0	2	-	-	-	-	2008	2008	0	2	-	-	-	-	-	-	-	-
03S/03W-14K07	East Bay Plain	Unknown	Deep	USGS	1998	1998	0	1	-	-	-	-	1998	1998	0	3	-	-	-	-	-	-	-	-	-	-	-	-	1998	1998	0	2
03S/03W-14K09	East Bay Plain	Unknown	Deep	USGS	1997	1998	1	2	-	-	-	-	1997	1997	0	2	1997	1997	0	1	1997	1997	0	2	-	-	-	-	1997	1998	1	4
03S/03W-14K10	East Bay Plain	Unknown	Shallow	USGS	1998	1998	0	1	-	-	-	-	1998	1998	0	3	-	-	-	-	-	-	-	-	-	-	-	-	1998	1998	0	2
03S/03W-14K11	East Bay Plain	Unknown	Shallow	USGS	1998	1998	0	1	-	-	-	-	1998	1998	0	2	-	-	-	-	-	-	-	-	-	-	-	-	1998	1998	0	2
03S/03W-14K17	East Bay Plain	Unknown	Deep	USGS	2007	2007	0	1	-	-	-	-	2007	2007	0	3	2007	2007	0	1	2007	2007	0	2	-	-	-	-	2007	2007	0	1
03S/03W-14K18	East Bay Plain	Unknown	Deep	USGS	2007	2007	0	1	-	-	-	-	2007	2007	0	3	2007	2007	0	1	2007	2007	0	2	-	-	-	-	2007	2007	0	1
03S/03W-14K19	East Bay Plain	Unknown	Deep	USGS	2007	2007	0	1	-	-	-	-	2007	2007	0	3	2007	2007	0	1	2007	2007	0	2	-	-	-	-	2007	2007	0	1
03S/03W-14K20	East Bay Plain	Unknown	Intermediate	USGS	2007	2007	0	1	-	-	-	-	2007	2007	0	3	2007	2007	0	1	2007	2007	0	2	-	-	-	-	2007	2007	0	1
03S/03W-14K21	East Bay Plain	Unknown	Shallow	USGS	2007	2007	0	1	-	-	-	-	2007	2007	0	3	2007	2007	0	1	2007	2007	0	2	-	-	-	-	2007	2007	0	1
03S/03W-14K22	East Bay Plain	Unknown	Shallow	USGS	2007	2007	0	1	-	-	-	-	2007	2007	0	2	2007	2007	0	1	2007	2007	0	2	-	-	-	-	2007	2007	0	1
03S/03W-15M19	East Bay Plain	Unknown	Deep	USGS	1998	1999	1	2	-	-	-	-	-	-	-	-	1999	1999	0	1	1999	1999	0	2	-	-	-	-	1998	1999	1	4
04S/02W-04E01	East Bay Plain	Unknown	Deep	USGS	2002	2002	0	2	-	-	-	-	2002	2002	0	1	2002	2002	0	1	2002	2002	0	2	-	-	-	-	2002	2002	0	3
04S/02W-05A01	East Bay Plain	Unknown	Deep	USGS	2007	2017	10	2	-	-	-	-	2007	2017	10	3	2007	2007	0	1	2017	2017	0	2	-	-	-	-	2007	2017	10	2
SF-38	East Bay Plain	Municipal	Intermediate-Deep	GAMA-USGS	-	-	-	-	-	-	-	-	2007	2017	10	2	-	-	-	-	2007	2017	10	2	-	-	-	-	2007	2017	10	2
SF-39	East Bay Plain	Municipal	Intermediate-Deep	GAMA-USGS	-	-	-	-	-	-	-	-	2007	2007	0	1	-	-	-	-	2007	2007	0	1	-	-	-	-	2007	2007	0	1
SF-40	East Bay Plain	Municipal	Intermediate-Deep	GAMA-USGS	-	-	-	-	-	-	-	-	2007	2007	0	1	-	-	-	-	2007	2007	0	1	-	-	-	-	2007	2007	0	1
SF-41	East Bay Plain	Municipal	Shallow	GAMA-USGS	-	-	-	-	-	-	-	-	2007	2007	0	1	-	-	-	-	-	-	-	-	-	-	-	-	2007	2007	0	1
SF-42	East Bay Plain	Municipal	Intermediate	GAMA-USGS	-	-	-	-	-	-	-	-	2007	2011	4	2	-	-	-	-	2007	2011	4	2	-	-	-	-	2007	2011	4	2
SF-43	East Bay Plain	Municipal	Intermediate	GAMA-USGS	-	-	-	-	-	-	-	-	2007	2007	0	1	-	-	-	-	2007	2007	0	1	-	-	-	-	2007	2007	0	1
SFM-F1	East Bay Plain	Municipal	Deep	GAMA-USGS	-	-	-	-	-	-	-	-	2007	2007	0	1	-	-	-	-	2007	2007	0	1	-	-	-	-	2007	2007	0	1
SFM-F2	East Bay Plain	Municipal	Deep	GAMA-USGS	-	-	-	-	-	-	-	-	2007	2007	0	1	-	-	-	-	2007	2007	0	1	-	-	-	-	2007	2007	0	1
SFM-F3	East Bay Plain	Municipal	Deep	GAMA-USGS	-	-	-	-	-	-	-	-	2007	2007	0	1	-	-	-	-	2007	2007	0	1	-	-	-	-	2007	2007	0	1
SFM-F4	East Bay Plain	Municipal	Intermediate	GAMA-USGS	-	-	-	-	-	-	-	-	2007	2007	0	1	-	-	-	-	2007	2007	0	1	-	-	-	-	2007	2007	0	1
SFM-F5	East Bay Plain	Municipal	Shallow	GAMA-USGS	-	-	-	-	-	-	-	-	2007	2007	0	1	-	-	-	-	2007	2007	0	1	-	-	-	-	2007	2007	0	1
SFM-F6	East Bay Plain	Municipal	Shallow	GAMA-USGS	-	-	-	-	-	-	-	-	2007	2007	0	1	-	-	-	-	2007	2007	0	1	-	-	-	-	2007	2007	0	1

Appendix D

DRAFT

Isotope Data Review and Data Gap Analysis

Jean Moran, Sept 24, 2019

1. Introduction

The purpose of this memo is to identify data gaps for isotopic analytes in the East Bay Plain (EBP) Subbasin. Existing isotopic data in the EBP Subbasin were collected under the statewide priority basin Groundwater Ambient Monitoring and Assessment Program (GAMA) program, or for local studies conducted by the USGS or others in which isotopic tracers were applied to examine recharge sources and groundwater residence time. These data were compiled in a spreadsheet delivered to Luhdorff & Scalmanini Consulting Engineers (LSCE) for use in development of the Groundwater Sustainability Plan (GSP). Identification of data gaps is predicated on the notion that water managers find isotopic tracers useful in answering outstanding questions about water sources and transport in the EBP Subbasin. The general lack of previous regional-scale groundwater studies in the Subbasin, and to a lesser extent, the lack of suitable sampling locations, means that data gaps are widespread and that potential applications of isotopic tracers may not be identified by a cursory examination of existing data.

The isotopic tracers can be categorized as tracers of water source or recharge location (stable isotopes of the water molecule ($\delta^{18}O$ and δD) and noble gas recharge temperatures), or of subsurface residence time (tritium, tritium-helium, ^{14}Carbon). In addition, these same tracers, along with dissolved radon, and stable isotopes of nitrate and inorganic carbon, have been applied in studies of surface water-groundwater interaction in EBP Subbasin creeks, and in examination of sources of nitrate.

2. Stable isotopes of the water molecule

Existing data: 160 sample results from these sources: Izbicki et al., 2003, Teague et al., 2018, California State University East Bay (CSUEB) M.S. theses by Beitz, van der Meulen and Grande, GAMA San Francisco (SF) Bay, other NWIS. In addition, Tipple et al. (2017) reported $\delta^{18}O$ and δD in tap water from 57 sites in the EBP Subbasin, with 13 of the sites sampled six times each from Spring 2014 to Summer 2015.

Potential utility: Stable isotopes are particularly powerful as tracers of water sources in the EBP Subbasin because of the high contrast in isotopic signatures between locally-derived and imported water sources. The contrast in $\delta^{18}O$ for these end members is up to 7‰, while the analytical uncertainty is 0.3‰. Better characterization of the local and imported end members and of background conditions in groundwater is necessary if they are to be applied to detect locations where imported water is a significant source of recharge (*either incidental or purposeful*). Potential applications of stable isotope data including the following:

1. Characterize background prior to artificial recharge of imported water
2. Identify the presence of imported water and track the movement of artificially recharged imported water
3. Examine surface water-groundwater interaction during runoff events
4. Identify source of baseflow to streams and perform hydrograph separation

5. Monitor evaporative losses at individual reservoirs or in the distribution system as a whole

The data gaps based on potential applications outlined above include:

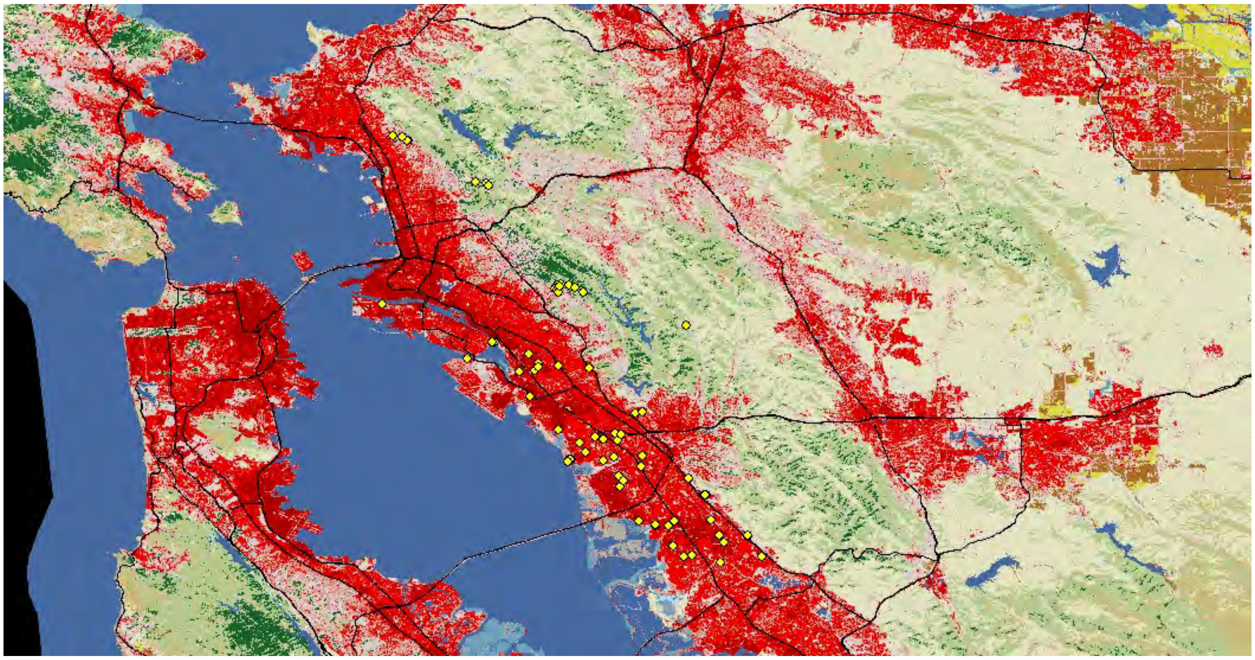
1. In order to utilize the power of stable isotopes as a tracer and to improve precision in determination of water source fractions, further isotopic characterization of 'end members' including precipitation, reservoirs, and distributed water is necessary. Filling the gap would involve sampling storm events using an automated precipitation sampler, and analyzing samples from EBMUD reservoirs and distribution system at a frequency that captures changes in water sources in supplies and deliveries.

2. Higher spatial density of sampling is needed for characterization of background conditions with respect to water source(s) present. For example, tracking the movement of water injected at the Bayside site could be expanded and refined with installation of additional nested monitoring wells near the facility and e.g., monthly sampling to determine arrival times and extent of transport of recharged, imported water.

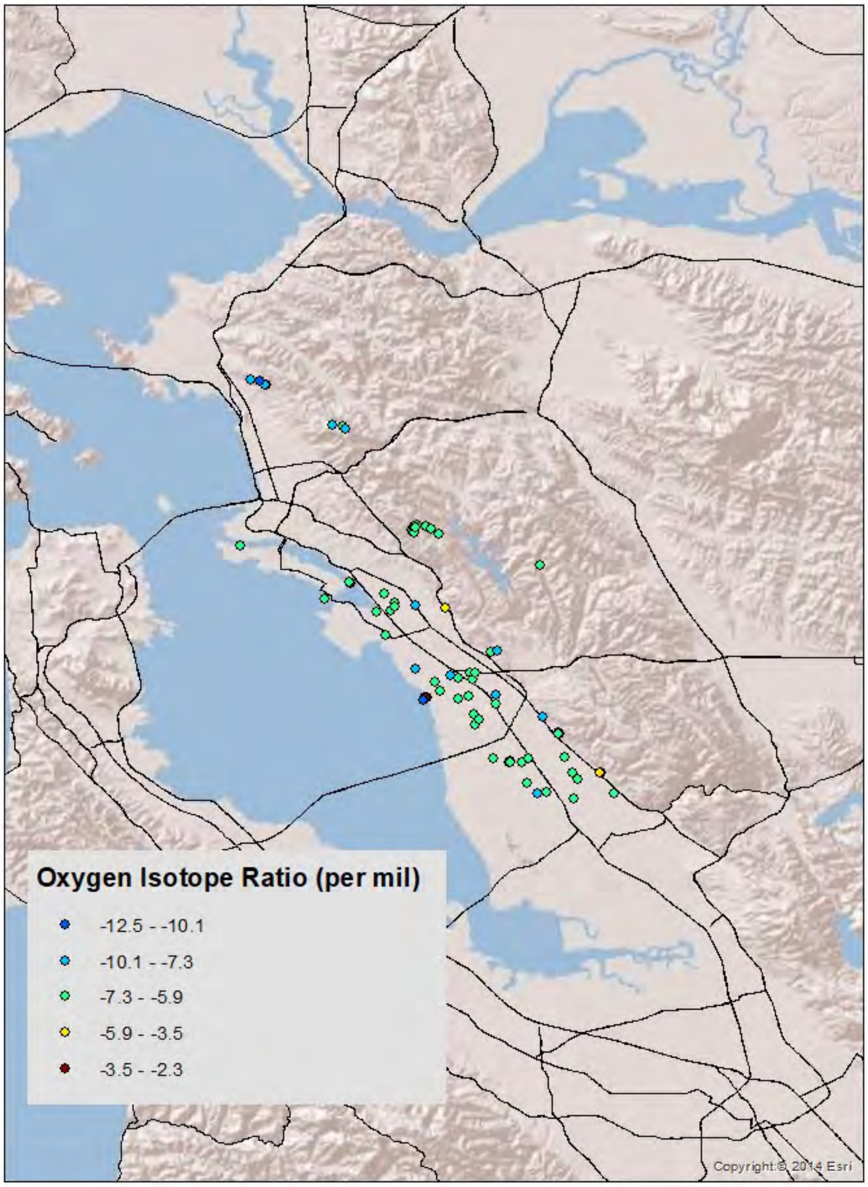
3. More samples with depth control (nested wells or short-screened wells) are needed to examine the depth to which incidentally recharged imported water penetrates in different areas of the basin.

4. Examination of surface water-groundwater interaction using stable isotopes would require high frequency sampling of streams during runoff events. Collection of precipitation samples in the watershed during events is also necessary to perform hydrograph separation.

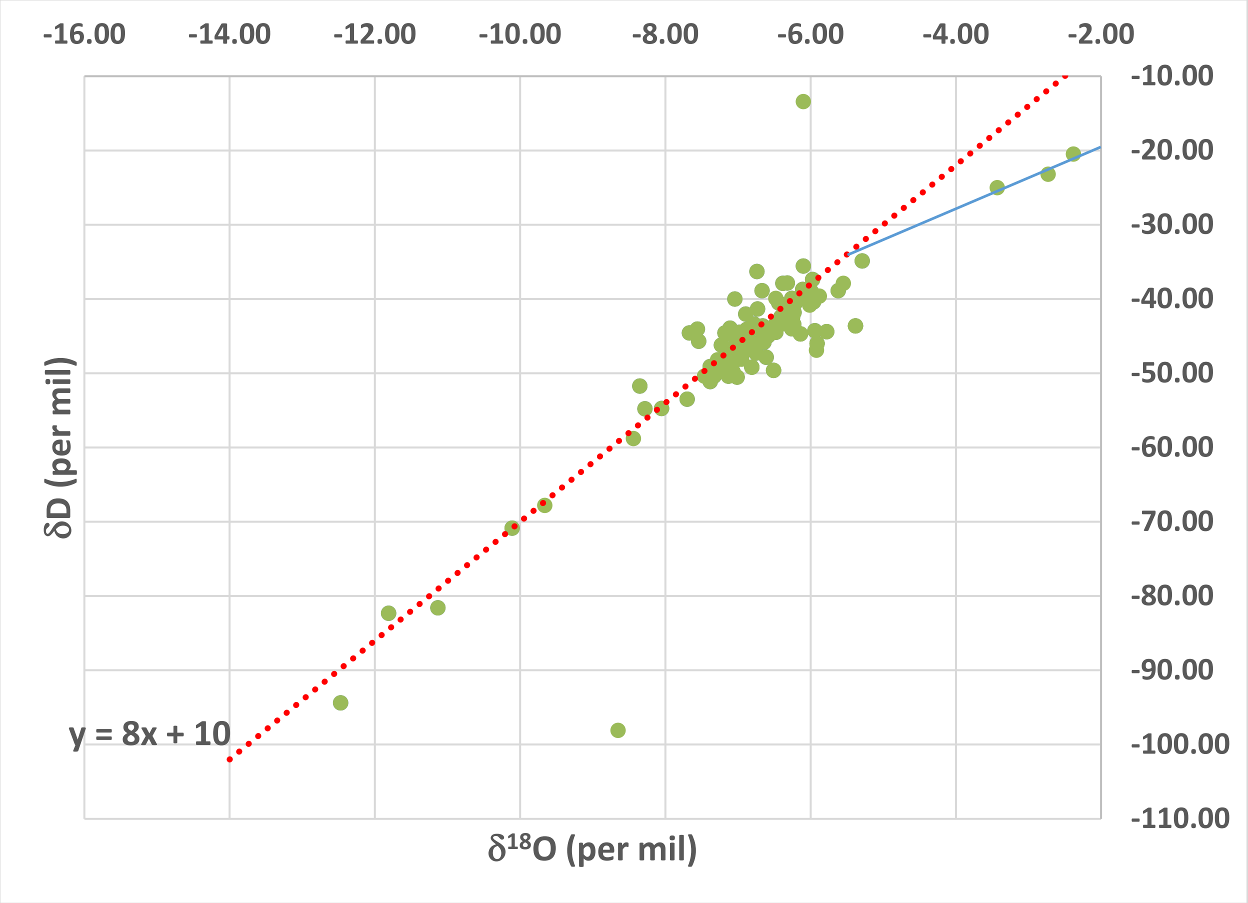
5. Correlation of recharge source(s) and water quality requires more extensive sampling and analysis of multiple constituents in each sample. Existing wells could serve as the main data set, but distributed, nested monitoring wells would provide an image of recharge sources which could be correlated with water quality.



Map showing locations of all wells and springs with any type of isotopic result (includes stable isotopes of the water molecule, tritium, ^{14}C, $\delta^{13}C$, radon, and noble gases. Basemap is National Land Cover Data (NLCD) land use.



Well and spring locations with $^{18}O/^{16}O$ result. Most samples fall in the range expected for local precipitation, with some isotopically lighter (more negative) samples indicating the presence of at least a component of imported water.



Results for stable isotopes of the water molecule. Red line is the Global Meteoric Water Line; blue line is an evaporative trend that intersects the GMWL at the original isotopic values.

3. Residence time indicators

Existing data: 84 ^{14}C and 55 δ^{13}C, 72 ^{3}H, 51 radiogenic ^{4}He and recharge temperature, 38 Rn, 16 ^{3}H-^{3}He age.

Potential utility: Residence time indicators provide valuable information regarding key groundwater characteristics, allowing assessment of contamination vulnerability and sustainability of groundwater abstraction. Groundwater age can inform understanding of basin characteristics and recharge dynamics which can provide information related to groundwater sustainability strategies, help with model calibration, or increase confidence in model results. In as much as apparent groundwater ages based on environmental tracer data reflect the mean residence time of groundwater, or its inverse, the turnover rate, groundwater age, in combination with recharge rate, may be construed as a direct measure of sustainability. In a sustainable system, the volume of storage does not change over a defined time period, and the residence time can be compared to the water volume divided by the flux (recharge or discharge rate). Comparisons between residence times determined from storage and flux with residence times determined from isotopic tracers of groundwater age could provide insight into data quality, model reliability, and system sustainability. Potential applications of residence time indicators include the following:

1. Identify areas of active recharge, vigorous flow, and relatively high contamination vulnerability via samples having young groundwater age

2. Identify areas of stagnation, isolation, and low contamination vulnerability via samples having very old groundwater age.

3. Calibrate or validate groundwater flow model using ages along individual groundwater flow paths (ages may also be used to verify flow paths)

4. Calibrate or validate basin water budget by comparing budget-based residence times with isotopically-determined residence times

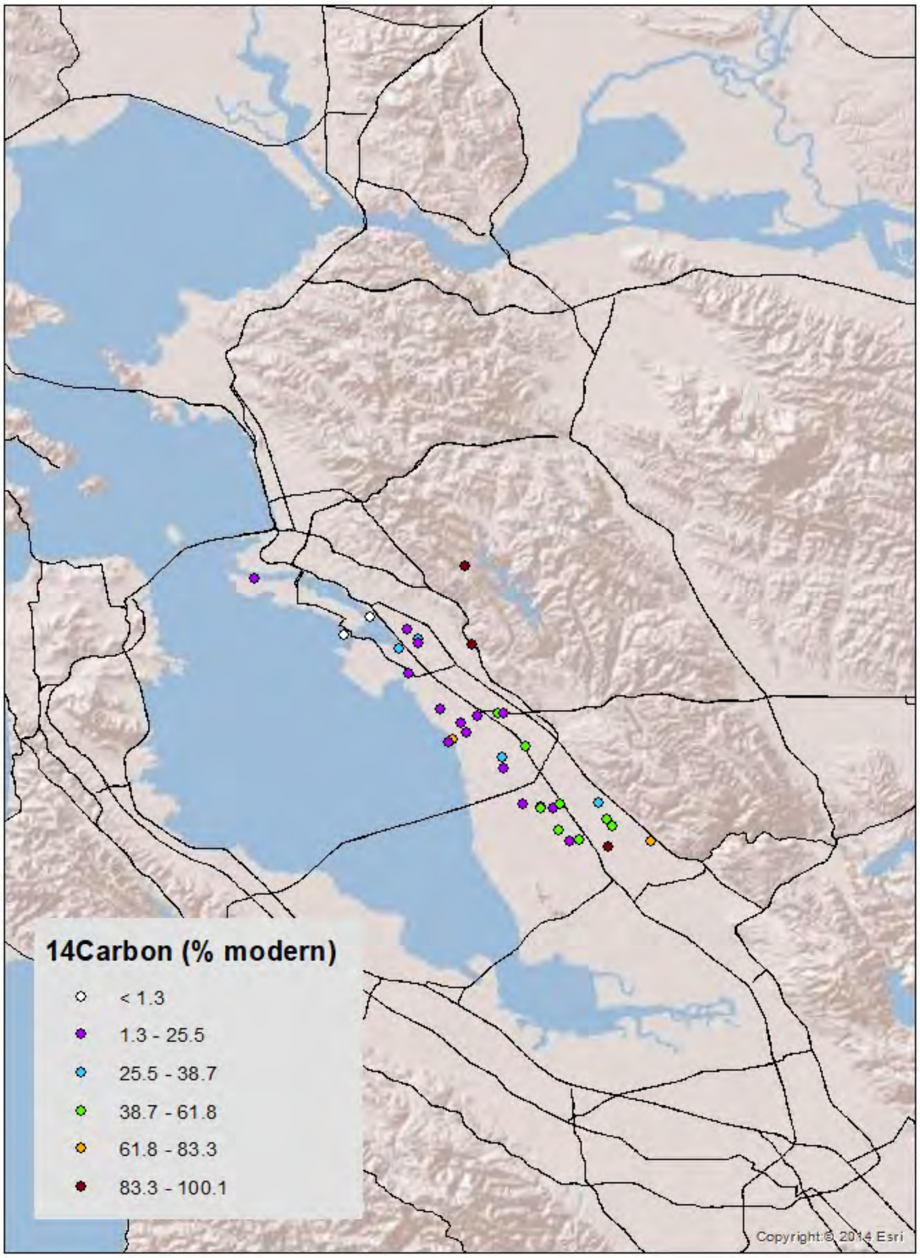
5. Examine degree of confinement of layered aquifer systems, which would manifest as highly contrasting ages (along with other chemical indicators)

The data gaps based on potential applications outlined above include the following:

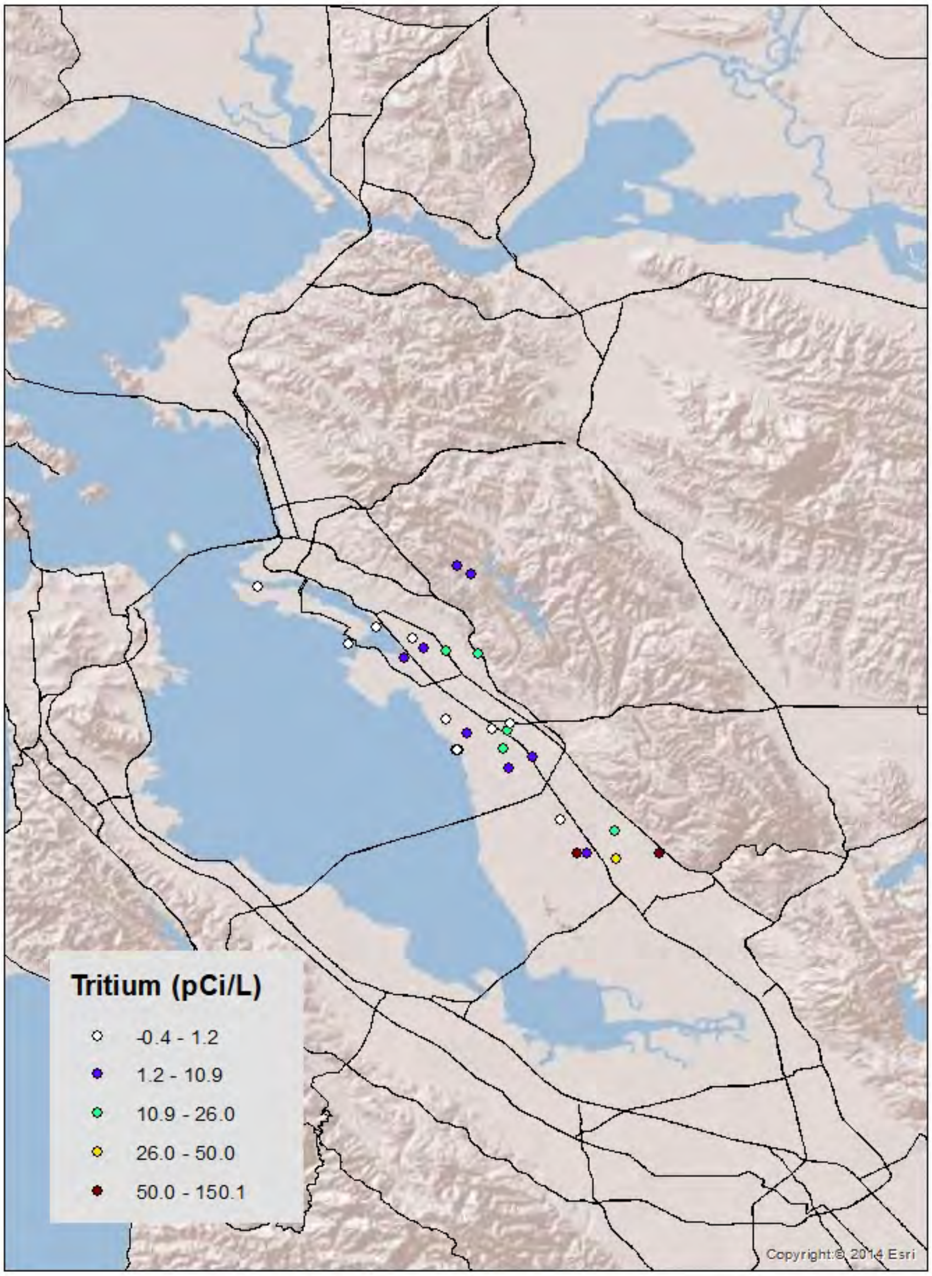
1. For young water applications, more residence time results from samples along the ‘mountain front’ in the EBP Subbasin are necessary. Tritium activity in these wells and springs would delineate recharge areas. In addition, the shallow aquifer system along predicted flow paths and near creeks likely providing recharge could be targeted for tritium-helium sampling.

2. Further and more precise characterization of the residence time in the deep aquifer system could be accomplished by sampling wells screened exclusively in deep/confined aquifers for multiple tracers that are applied in tritium-dead groundwater, which dominates the EBP Subbasin.

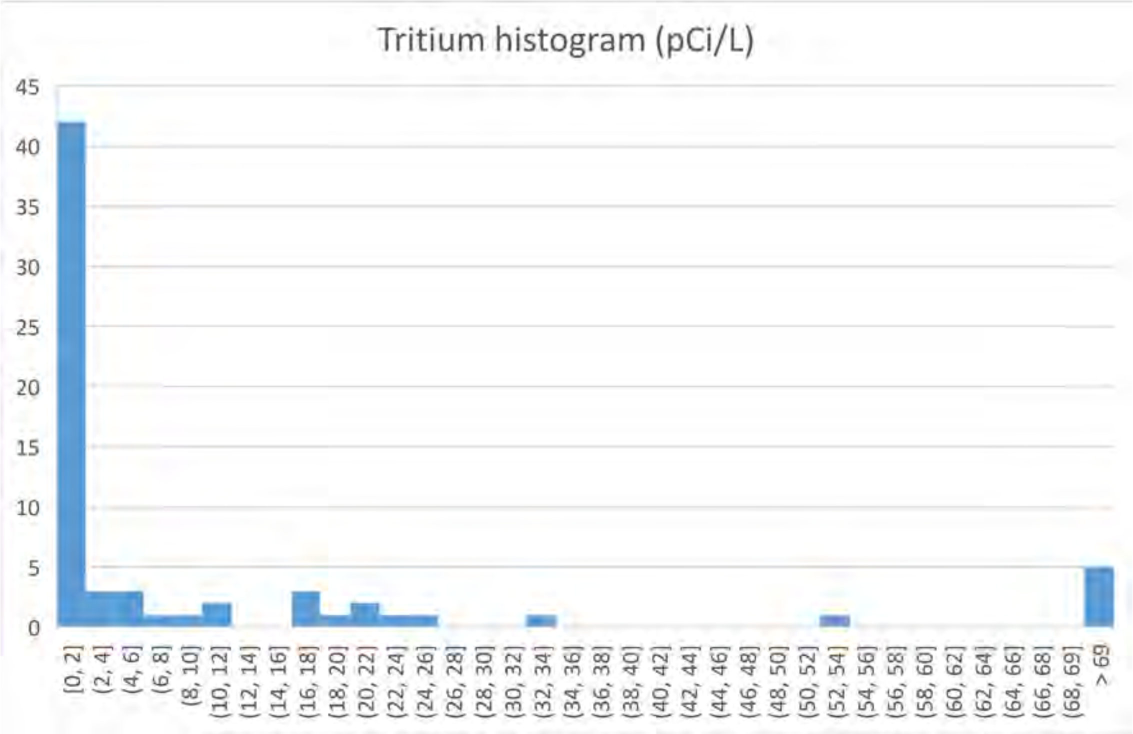
3. Use of isotopically-determined residence times to validate the GSP’s water budget and model would require widespread sampling for multiple tracers and significant resources and effort.



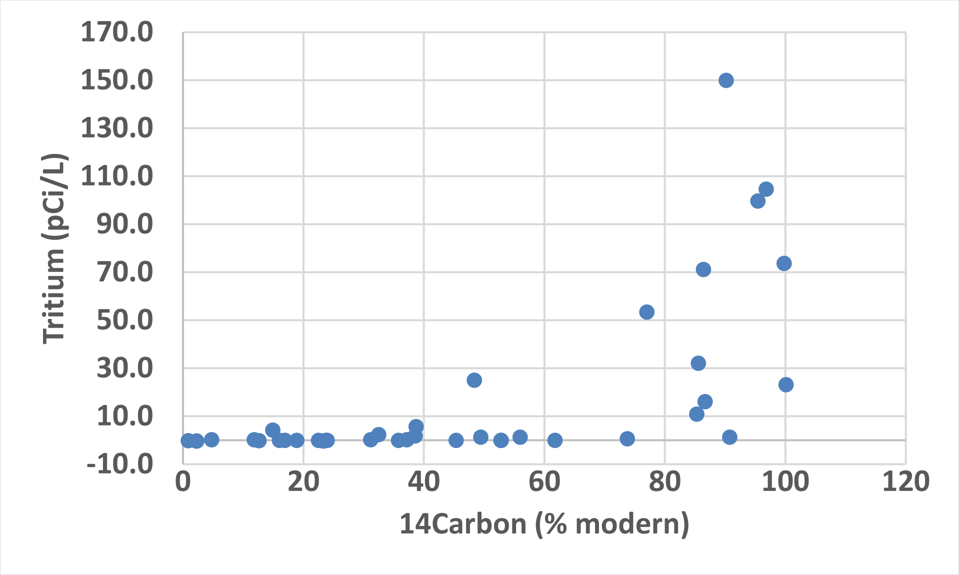
^{14}Carbon activity in EBP Subbasin wells, showing a predominance of very old water, especially in the downgradient portion of the basin.



Tritium activity in EB Plain wells, where about 2/3 of samples have <2 pCi/L ^{3}H, indicating little or no recently recharged water.



Histogram of tritium activity values for all existing well and spring samples. The dominance of ‘old’ groundwater (tritium < 2 pCi/L) is notable, as is the presence of some very high activities in the nested Rowland and Kraftile wells in Niles Cone Subbasin near the southern boundary of the EBP Subbasin.



Old groundwater manifests as both low tritium and low ^{14}Carbon activity, with only a few wells showing higher activities that indicate more recent recharge.

Technical Memorandum

DATE: June 22, 2020 PROJECT: 18-1-012

TO: Ken Minn, EBMUD

FROM: Julie Chambon and Gordon Thrupp, Geosyntec Consultants
Peter Leffler, Vicki Kretsinger Grabert, and Mohamed Nassar, LSCE

SUBJECT: **SUBTASK 4.3 MODEL OBJECTIVES AND SELECTION EAST BAY PLAIN SUBBASIN GROUNDWATER SUSTAINABILITY PLAN**

Luhdorff & Scalmanini Consulting Engineers (LSCE) and a team of subconsultants (the LSCE Team) are working with the East Bay Municipal Utility District (EBMUD) and the City of Hayward (Hayward) to develop a groundwater sustainability plan (GSP) for the East Bay Plain (EBP) Subbasin, in compliance with the requirements of the California Sustainable Groundwater Management Act (SGMA) and the Groundwater Sustainability Plan regulations. Based on a preliminary compilation and review of the hydrogeological data, and SGMA requirements for development of the GSP for the EBP Subbasin, the LSCE Team has prepared this technical memorandum that summarizes the groundwater model purpose, model objectives, and recommended model framework to meet the identified objectives. This technical memorandum was prepared in accordance with Subtask 4.3 of Exhibit A-1 (Description of the Consultant Services) of the Master Agreement dated January 25, 2019.

1 MODEL OBJECTIVES

Sustainable management of the EBP Subbasin will require a numerical groundwater flow model capable of simulating groundwater and surface water interaction. In accordance with the Best Management Practices (BMP) guidance document for modeling published by the California Department of Water Resources (DWR, 2016), the EBP Subbasin groundwater model will provide an important framework that brings together conceptual understanding, available data, and science. The model will be used to support the development of the GSP by providing a tool to help meet the following objectives:

- Quantify annual water budgets and sustainable yield;
- Evaluate potential projects and management actions needed to maintain sustainability of the EBP Subbasin, including consideration of changing climate conditions;
- Analyze groundwater-surface water interactions including recharge areas and groundwater dependent ecosystems; and

- Define undesirable results and sustainable management criteria (particularly minimum thresholds and measurable objectives) to comply with GSP regulations and ensure groundwater sustainability.
- Support development of a monitoring network

Based on these objectives, compilation and review of hydrogeological data for the EBP Subbasin, and identification of the main processes influencing groundwater flow and water budgets, the numerical model needs to include capabilities to represent and/or help address the following:

1) Porous media heterogeneity and anisotropy in three dimensions;
2) Confined and unconfined aquifers;
3) Groundwater pumping and injection (well hydraulics);
4) Aquifer storage capacity and temporal change in storage;
5) Fault structures;
6) Groundwater - surface water interactions (e.g., streams, lakes, springs, etc.);
7) Areal precipitation and recharge;
8) Evapotranspiration;
9) Comparison between modeled and observed data to facilitate model calibration; also, conducting sensitivity analyses that may include evaluation of historical pumping rates/water levels from the late 1950s to early 1970s;
10) Groundwater fluxes and water budget;
11) Potential changes in groundwater quality, including seawater intrusion; and
12) Potential subsidence from declining groundwater levels associated with groundwater pumping.

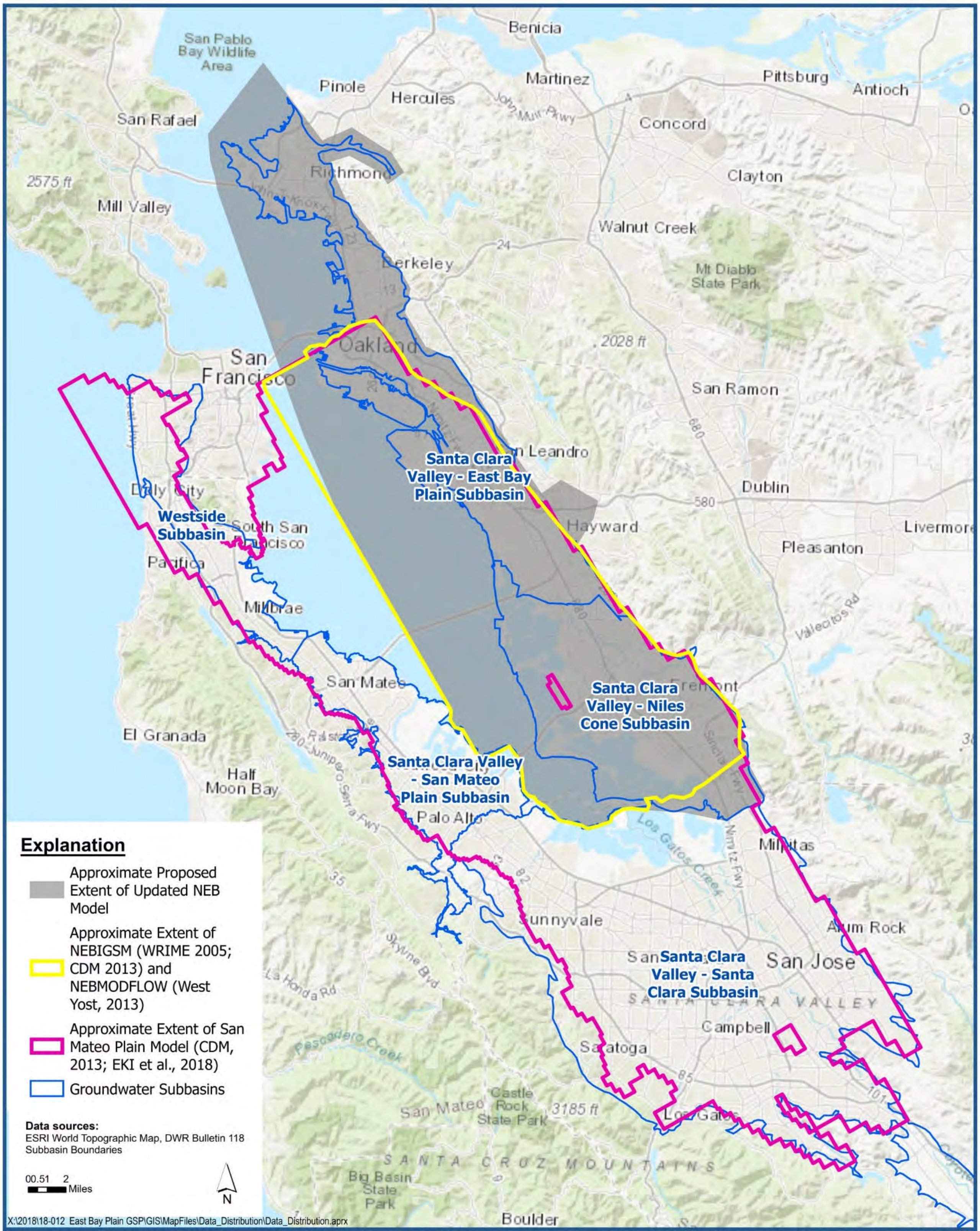
2 EXISTING MODELS IN PROJECT VICINITY

The LSCE Team has reviewed regional numerical groundwater models prepared by others in the EBP Subbasin and other nearby groundwater basins. Previously developed groundwater models that overlap or partially overlap the EBP Subbasin area include:

1) the Niles Cone and South East Bay Plain Integrated Groundwater and Surface Water Model (NEBIGSM),
2) the Niles Cone and South East Bay Plain MODFLOW Model (NEB MODFLOW), and

3) the San Mateo Plain Groundwater MODFLOW Model (SMPGM).

Figure 1 below shows the extent of these three model domains that include the EBP and the approximate proposed domain for the new EBP Subbasin model. **Figure 2** below shows the extent of two additional regional models in the SF Bay Region that are also used as tools for management of groundwater resources: Westside Basin MODFLOW model and Santa Clara Valley MODFLOW Model. **Table 2-1** provides a summary of the software used for each basin, the objectives of the modeling effort, and timing; more detailed discussion of each follows. As shown in **Table 2-1**, nearly all groundwater modeling in the project vicinity since the early 2000s uses MODFLOW.



Data sources:
ESRI World Topographic Map, DWR Bulletin 118 Subbasin Boundaries

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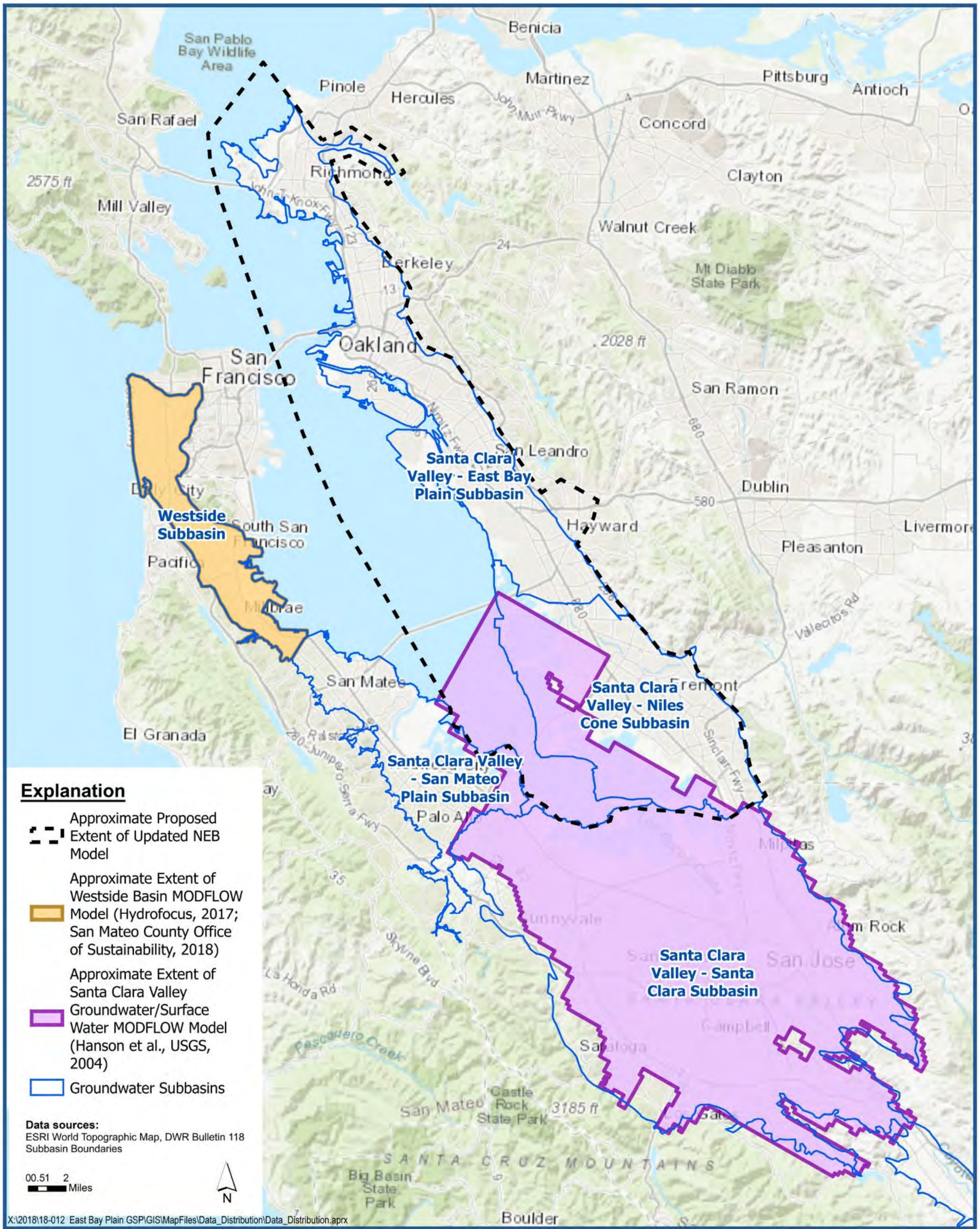
LSCE TEAM

Groundwater Model Domains that Include the East Bay Plain

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 1



Data sources:
ESRI World Topographic Map, DWR Bulletin 118 Subbasin Boundaries

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LSCE TEAM

Additional Regional Models in the San Francisco Bay Area

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 2

Table 2-1: Summary of Groundwater Modeling Software used in the Project Vicinity

Software	Locations	Year	Key Objectives
IGSM	Niles Cone; southern East Bay Plain	1991; 2005	Primarily for management of Niles Cone Groundwater Basin; secondary purpose for application to EBMUD Bayside ASR Well EIR.
MODFLOW	Southern East Bay Plain	2001	Used for evaluation of EBMUD Bayside ASR project
MODFLOW	San Mateo Plain	2018	General basin management
MODFLOW	Santa Clara Valley	1990s; periodically updated	General basin management
MODFLOW	Westside Basin – San Francisco/San Mateo Counties	2007; periodically updated	General basin management

2.1 Niles Cone and South East Bay Plain Models

In 2004/2005, EBMUD, Alameda County Water District (ACWD), and Hayward developed a model for the South East Bay Plain and Niles Cone groundwater basins in the southeastern portion of the San Francisco Bay Area (WRIME, 2005). This model was based on previous models developed by ACWD and EBMUD for the southern portion of the East Bay Plain and the Niles Cone Subbasins. The NEBIGSM was developed using the Integrated Groundwater Surface Water Model version 6 (IGSM). IGSM is a proprietary, finite-element-based software developed in the 1970s (Montgomery Watson, 1995). The NEBIGSM consists of four layers representing the four main aquifers, and indirectly simulates overlying aquitards in each aquifer model layer.

Review of the IGSM (version 5) software revealed some fundamental problems with computation techniques and potential significant inaccuracies that raise questions about the validity of IGSM-based model applications (e.g., LaBolle et al., 2002). While some of the problems with the software have been corrected in more recent versions, IGSM is not listed by DWR in their Modeling BMP document (DWR, 2016) as one of the commonly used groundwater model codes appropriate for developing GSPs for sustainable groundwater management. The upgraded version of the NEBIGSM is used by ACWD as a tool for management of groundwater resources. We understand that ACWD is considering further upgrades and conversion of their model from the proprietary IGSM modeling code to IWFM (Integrated Water Flow Model)[1], which is public-domain software supported by the DWR.

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[1] https://water.ca.gov/Library/Modeling-and-Analysis/Modeling-Platforms/Integrated-Water-Flow-Model

In 2013, EBMUD converted the NEBIGSM from the IGSM modeling code to the public-domain MODFLOW modeling code (e.g., Harbaugh, 2005), which is a modular, finite-difference software platform that is widely used, formally validated, and supported by the United States Geological Survey (USGS). Like the NEBIGSM, the NEB MODFLOW model represents three primary hydrogeologic units:

- Shallow Aquifer Zone (from the ground surface to depths ranging up to approximately 200 feet);
- Intermediate Aquifer Zone (at depths ranging from approximately 200 to as much as 500 feet below ground surface [bgs]); and
- Deep Aquifer Zone (at depths ranging from approximately from 400 to 500 feet to more than 660 feet bgs).

The NEB MODFLOW model consists of seven layers that represent these aquifers and intervening aquitards, and it includes some refinement of hydraulic properties in the southern portion of the EBP Subbasin based on additional data compilation (EBMUD, 2013).

2.2 San Mateo Plain Model

The San Mateo Plain Groundwater Model (SMPGM) was developed using MODFLOW by the Bay Area Water Supply Conservation Agency (BAWSCA) and San Mateo County to support the evaluation of options for brackish groundwater desalination and the development of groundwater management strategies for the San Mateo Plain Groundwater Subbasin (CDM, 2013, 2015; EKI et al., 2017, 2018). The model domain covers the majority of San Francisco Bay and the surrounding coastal plains and includes the portion of the EBP Subbasin from Hayward to Oakland. (**Figure 1**).

2.3 Westside Basin Model

Westside Basin (DWR Basin 2-35) extends along western portion of San Francisco and southeast into San Mateo County to San Francisco Bay. The portions of the basin in San Francisco and San Mateo Counties are referred to as the North and South Westside Basins, respectively. A MODLOW model of the Westside Basin originally developed in 2003 has been updated several times (Hydrofocus, 2017) and is used a tool for groundwater management for both the North Westside Basin (SFPUC, 2005; LSCE, 2010) the South Westside Basin (WRIME, 2012). The Westside Basin MODFLOW model has been an important tool for planning development of groundwater resources and building consensus among stakeholders that include the SFPUC, Daly City, City of San Bruno, and California Water Service[2]. The extent of the West Basin Groundwater Model is shown on **Figure 2**.

2.4 Santa Clara Valley Model

The Santa Clara Valley Model extends approximately 20 miles southeast of the southern end of San Francisco Bay. The regional alluvial aquifer system of the Santa Clara Valley is an important source of

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[2] https://www.smcsustainability.org/download/energy-water/groundwater/Westside-Basin-Groundwater-Modeling.pdf

groundwater that has supported agricultural and urban development. In 2004, an updated regional groundwater/surface water MODFLOW Santa Clara Valley model (SCVM) was developed by the USGS (Hanson et al., 2004) in collaboration with the Santa Clara Valley Water District (now Valley Water) as a tool for water resources management. The 2004 model builds on the original Santa Clara Valley MODFLOW model (CH2M Hill, 1991). The most recent modeling efforts include additional model refinements and recalibration for indirect potable reuse studies in the southern Santa Clara Plain Groundwater Basin (Todd, 2017a and 2017b) and in the Palo Alto area (Todd, 2018). The extent of the SCVM is shown on **Figure 2**. The northern portion of the SCVM overlaps with the Niles Cone and South East Bay Plain models (NEBIGSM and NEB MODFLOW) and the San Mateo Plain Model (CDM, 2013, 2015; EKI et al., 2017, 2018).

3 RECOMMENDED MODELING SOFTWARE

The LSCE Team recommends using MODFLOW for simulating groundwater flow and interaction between surface water and groundwater. MODFLOW is widely used in the project vicinity and, therefore, familiar to potential stakeholders associated with the EBP Subbasin GSP, and MODFLOW can simulate the necessary hydrogeological processes and features required for the EBP Subbasin model as outlined in Section 1 and as discussed in Section 4 below. MODFLOW is well-suited for a robust numerical groundwater flow model that fulfills the objectives defined above.

With MODFLOW as the modeling code, the Department of Defense Groundwater Modeling System (GMS, Aquaveo, 2018) and Arc Hydro Groundwater (AHGW, Jones and Strassberg, 2008) are planned to be used as the graphical user interface (GUI) for pre-and post-processing of MODFLOW files and storing the fundamental information that comprises the conceptual model, including databases of aquifer properties, groundwater levels, pumping rates, and sources (i.e., inflows) and sinks (i.e., outflows). GMS will be used primarily for pre-and post-processing of data and AHGW will be used for managing, visualizing, and storing groundwater data within an ArcGIS environment. GMS and AHGW were selected for various reasons including seamless integration of the 3-D geologic model being developed for the project with MODFLOW and because they provide an excellent interface for mapping files/data in ArcGIS (which is also the GIS system used by Hayward and EBMUD). As further discussed in Section 4, both GMS and AHGW will facilitate the development of tables and graphics necessary for achieving the model objectives and communicating with potential EBP Subbasin stakeholders.

MODFLOW (e.g., Harbaugh et al., 2000; Harbaugh, 2005; Niswonger, et. al., 2011) and related programs such as MODPATH (USGS, 2012) are the most widely used software for simulating groundwater flow, particularly in the San Francisco Bay Area (see **Table 2-1**). MODFLOW meets the SGMA guidelines (DWR, 2016) for model software transparency and documentation:

- Documentation is publicly available at no cost from the website maintained by the USGS[3].
- The mathematical foundation of physical processes simulated by MODFLOW and related programs have been subjected to the rigorous USGS review process and also have been independently peer-reviewed and validated, and their limitations are well documented.

Moreover, DWR reports in the Modeling BMP for the Sustainable Management of Groundwater (DWR, 2016) that MODFLOW is appropriate software for developing GSPs.

MODFLOW uses a finite-difference method to solve the governing groundwater flow equation. This method represents a system of discrete locations, which are the finite difference grid cells. The size of the finite-difference grid cells determines the model resolution and influences practical aspects, including size of model files and computational run time.

MODFLOW can simulate a series of transient (time-varying) conditions where inflow and outflow components of the groundwater system change with time, or steady-state (equilibrium) conditions for which inflow and outflow components are in balance so there is no change in storage and groundwater levels are constant with time. Both steady-state and transient model simulations will be used with MODFLOW in developing the EBP Subbasin GSP.

Steady-state models are useful for simulation of groundwater conditions for different average pumping and/or recharge rates, which is useful for evaluating hypothetical groundwater pumping and/or recharge quantities, or determining the sustainability of potential pumping without considering the time required to achieve an equilibrium condition. Steady-state models also are commonly used to represent baseline conditions that are subsequently used to establish starting conditions for transient runs.

Transient model simulations of groundwater conditions simulate varying inflow and outflow conditions and the associated change in hydraulic gradients and change in groundwater storage with time. In MODFLOW, simulation time is partitioned into stress periods during which the specified inputs or outputs (pumping rates, recharge, etc.) for the model remain constant. Time steps are specified for a transient MODFLOW model to achieve the desired precision in the mass-balance and resolution of change in conditions with time during stress periods.

4 SUITABILITY OF MODFLOW FOR EBP SUBBASIN MODELING NEEDS

This section presents discussion of the suitability of MODFLOW, GMS, and AHGW to meet the modeling needs for the EBP Subbasin.

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[3] https://www.usgs.gov/mission-areas/water-resources/science/modflow-and-related-programs?qt-science_center_objects=3#qt-science_center_objects
https://www.usgs.gov/software/modflow-2005-usgs-three-dimensional-finite-difference-ground-water-model

4.1 Porous Media Heterogeneity and Anisotropy

The model will need to represent the hydrogeologic parameters associated with a range of lithologies and soil types within the EBP Subbasin. Moreover, the model will need to represent the location-dependent relationships between differing media.

The attributes of the three-dimensional geological model developed as part of the hydrogeologic conceptual model (HCM) can be seamlessly incorporated in the multi-layer grid structure of MODFLOW. In addition, GMS is integrated with ArcGIS and AHGW, which will be used to develop the HCM and three-dimensional geological model, and includes automated refinement options and geoprocessing tools that offer flexibility and efficiency to design the model layers and interpolate heterogeneous properties to the numerical model grid.

4.2 Confined and Unconfined Aquifers

MODFLOW has several options for specifying properties that control flow between cells, including the Block Center Flow (BCF), Layer Property Flow (LPF), Hydrogeologic Unit Flow Package (HUF2), or Upstream Weighting Package (UPW) packages. All versions of MODFLOW facilitate simulation of confined and unconfined (phreatic) groundwater conditions and allow transition between confined and unconfined conditions and vice-versa.

4.3 Groundwater Pumping and Injection/Well Hydraulics

Withdrawal or injection is most commonly represented in MODFLOW as specified flux using the well (WEL) package. The Multi-Node Well Package (MNW2) or Multi-Aquifer Well Package (MAW) can also be used to simulate wells that include more than one node of the grid; both allow better representation of wells that partially penetrate a layer, non-vertical wells, and head losses within wells. The MAW package relates the contribution to total discharge from each layer penetrated by a multi-aquifer well to the hydraulic conductance and the head difference between the well and the aquifer (Langevin et al., 2017; Neville and Tonkin, 2004). The WEL and MNW2 (Konikow et al., 2009) packages are supported by all standard current versions of MODFLOW, and the MAW package is supported by MODFLOW 6 (Langevin, et al., 2017).

4.4 Aquifer Storage Capacity and Temporal Change in Storage

Transient model simulations with MODFLOW can represent groundwater being removed or added to storage within aquifers. The two physical mechanisms of aquifer storage (specific storage or pressurization under confined conditions and filling of pore space in the vadose zone under phreatic conditions) can both be simulated with MODFLOW.

4.5 Fault Structures

Faults and other potential barriers to groundwater flow can be represented with MODFLOW using the horizontal-flow barrier (HFB) package, or by local variation in assigned hydraulic conductivity distribution.

4.6 Groundwater/Surface Water Interaction and Surface Water Routing

The EBP Subbasin includes San Lorenzo, San Leandro, and Alameda, and other creeks that have gaining and losing reaches, and recharge ponds in the vicinity of Hayward near Alameda Creek.

MODFLOW has several options to simulate surface water flow, and flow between groundwater and surface water:

- The drain (DRN) package simulates the withdrawal of groundwater by a drain (only outflow from groundwater to the drain);
- The river (RIV) package simulates head-dependent inflow/outflow between a river and the underlying groundwater;
- The lake (LAK) and reservoir (RES) packages simulate flux between groundwater and surface water bodies with a uniform surface water elevation;
- The Streamflow Routing Package (SFR2, Niswonger and Prudic, 2005), which is an update to the STR and SFR1 Packages, simulates inflow/outflow between surface and groundwater, and one- dimensional unidirectional surface water flow for conditions where the flow rate is a function of the slope of the channel. In addition to simulating streams and rivers, the SFR2 Package can be used to simulate groundwater discharge to springs and drains, and groundwater interactions with canals. For streams with reaches that are hydraulically disconnected from underlying aquifers, SFR2 includes the ability to simulate unsaturated flow beneath streams. SFR2 also provides options for addition or subtraction of water from stream reaches at user-specified rates.
- The Surface Water Routing Process (SWR1, Hughes et al., 2012) was developed for MODFLOW– 2005 to supplement the SFR package capabilities. The SFR2 Package and the SWR1 Process both route surface water based on a solution to the continuity equation. However, the SWR1 Process has the added capability to account for backwater (tailwater) effects, bidirectional surface-water flow, and management of surface water using control structures.
- Specified head boundaries assigned in MODFLOW can also be used to simulate flux between groundwater and surface water.

Although the primary water source in the EBP Subbasin service areas is surface water imported from outside the basin, the application of surface water for irrigation (golf courses, parks, lawns, etc.) and other means of surface water recharge (e.g., reservoirs and leaking pipes) will be evaluated outside of the groundwater model via a water balance analysis and represented in the MODFLOW model as appropriate. Simulation of variably saturated flow within the vadose zone will not be conducted and is not necessary for the purpose of the GSP and future groundwater management in the EBP Subbasin where the water table is generally shallow. Readily available MODLOW packages can provide more than adequate simulation of interaction between surface water and groundwater in the EBP Subbasin for GSP purposes.

4.7 Areal Recharge and Evapotranspiration

Geographic information for spatially varying properties such as precipitation, land use, and surficial soil distribution will be interpolated to the MODFLOW grid. The HCM will provide an initial estimate of the spatial distribution of the ratio between precipitation and recharge to groundwater. The recharge flux will be simulated within MODFLOW using the recharge (RCH) package.

Evapotranspiration from the unsaturated zone will be evaluated in a water balance outside the model and will be subsequently integrated with the recharge component. Existing geographic data from past potential evapotranspiration (PET) studies as well as vegetation distribution data can be assigned to the model grid to represent evapotranspiration (ET) from the shallow water table within the EBP Subbasin. The evapotranspiration (EVT) package in MODFLOW (Harbaugh et al., 2000) simulates ET and accounts for maximum ET rate, which can vary seasonally, and maximum ET depth (i.e., extinction depth), which depends on vegetation type. Typically, shallow groundwater is associated with higher ET rates.

4.8 Comparison between Simulations and Observations to Facilitate Calibration

Groundwater models are calibrated by iteratively modifying assigned parameter values to reduce the discrepancies between model-generated and observed values such as groundwater head or flux rates. Calibration can be performed manually and using automated parameter estimation software such as PEST (Doherty, 2015) and UCODE (Banta, 2011; Hill and Tiedman, 2000; Hill et al., 2000a,b; Poeter et al., 2014).

GMS allows efficient integration of automated calibration software with MODFLOW. Observed water levels and observed flows will be incorporated directly into the model and used to calibrate the model simulated values to observed values in accordance with the GSP Regulations (§352.4(f)(2)) and with consideration of other groundwater modeling guidance documents (e.g. Reilly and Harbaugh, 2004; ASTM, 1998; Middlemis, 2000; DWR, 2016). GMS provides an efficient method for graphically representing quantiles and residual error at observation locations, which facilitates communicating the results and comparing observed and model-predicted head values. GMS also includes automated methods for generating calibration metrics, including summary statistics, scatter plots, and time-series hydrographs to compare observed and model-simulated groundwater levels.

Sensitivity analyses will be used to evaluate the influence of parameter uncertainty on model predictions and design a range of predictive scenarios. The sensitivity analyses will also provide the basis for understanding uncertainty when estimating sustainable yield and developing groundwater management strategies. In addition, if sufficient data are available, other sensitivity analyses that may be conducted such as evaluation of cumulative groundwater pumping rates in the southern portion of the EBP Subbasin in comparison to available groundwater level data from the late 1950s to early 1970s.

4.9 Quantifying Groundwater Fluxes and Water Budget

MODFLOW calculates water budgets for the entire model domain for each time step, and the user can specify the frequency (or specific time steps) for water budget output. The water budget output is provided as a text file for the entire model domain and as a binary file for each model cell. The text file can be read with any word processor, spreadsheet such as Excel, or a database. GMS and other pre- and post-software for MODFLOW include options for efficient zone budget accounting to facilitate calculation of fluxes between subsets of the model domain, including:

- Groundwater flow between aquifers;
- Flow to and from boundary conditions and source/sink terms (e.g., streams, lakes, San Francisco Bay, wells, recharge, evapotranspiration);
- Flow between individual or groups of model grid cells; and
- Change in storage.

4.10 Seawater Intrusion

The proposed western boundary of the model is near the middle of the bay. Representation of the bay as either a lake or as a portion of an added upper layer with constant water level will facilitate computation of rate of influx of water from the bay to the interfacing aquifers. A water budget approach will be used initially to evaluate the potential for seawater intrusion for different groundwater pumping scenarios because, in most cases, the influence of density variation (seawater vs. groundwater) is negligible compared to the hydraulic gradient caused by pumping. Additionally, for the EBP Subbasin GSP purposes, uncertainties in hydraulic conductivity, which varies by orders of magnitude, are relatively more important than variable density with salinity because seawater is only approximately 2.5% more dense than freshwater.

If necessary, potential options for simulating seawater intrusion associated with density variation in a MODFLOW model include the Seawater Intrusion Package for MODFLOW (SWI2, Bakker et al., 2013), the solute transport code MT3DMS, or a SEAWAT model.

The SWI2 package facilitates simulation of vertically integrated variable-density groundwater flow within individual MODFLOW layers. Density zones are separated by interfaces or density isosurfaces. Density within each zone can be uniform or linearly vertically varying between the interfaces. After the groundwater flow equation is solved, a separate solution is required to simulate horizontal and vertical movement of surfaces separating zones of different densities. SWI2 makes it possible to simulate vertically integrated variable-density groundwater flow using one model layer per aquifer. Seawater intrusion can be simulated in existing MODFLOW-2005, MODFLOW-NWT, and MODFLOW 6 models with limited modifications. The solute transport code MT3DMS can be used to estimate changing chloride concentration with time in the aquifers. A SEAWAT model, which explicitly simulates variable-density groundwater flow and dispersive solute transport, can also be developed from the MODFLOW model.

Although it may be unnecessary for the EBP Subbasin, another option is to preliminarily assess the influence of variable density from salinity on potential seawater intrusion by developing a separate relatively simple analytical or cross-sectional SEAWAT model based on the three-dimensional MODFLOW model.

4.11 Subsidence

An initial assessment of subsidence and compilation of subsidence data/studies in the EBP Subbasin will be conducted in Subtask 4.2 as part of HCM development. Subsidence is the gradual lowering of ground surface elevation due to compaction of underlying geologic materials. Subsidence in California has been associated with groundwater pumping (Sneed et al., 2018; Brandt et al., 2017), which lowers hydrostatic pressure in the aquifer. Hydrostatic pressure in an aquifer counteracts the gravitational force of overlying sediments in aquifers, so when it is lowered, the result is both elastic and inelastic compaction of sediments, which can result in subsidence of the land surface.

Assessment of historical groundwater levels, occurrence (or lack thereof) of historical subsidence, available extensometer data, and soil/sediment properties will be reviewed. Available lithologic data and geologic cross sections will be used to cross check the occurrence and physical properties of clay layers that may cause inelastic (i.e., irreversible) subsidence. Groundwater elevation data from wells in areas where land subsidence could be a future concern will be used to determine historical groundwater level lows, the exceedance of which has the potential to cause compaction of inelastic clay layers. An initial screening level evaluation of the potential for subsidence will be conducted based on geotechnical properties of the soil and aquifer materials and model simulations of change in groundwater levels. The LSCE Team plans to review data from the USGS Bayside Groundwater Project extensometers in evaluating the potential for compaction and subsidence.

Based on the screening level assessment of potential for subsidence using water levels and geotechnical properties of the soil, model simulations will be run using the subsidence module of MODFLOW to further evaluate the potential for both elastic and inelastic subsidence as appropriate. MODFLOW includes the ability to simulate clay interbeds with time-delayed subsidence, a phenomenon observed in thicker clay beds, in addition to simulating instantaneous compaction, which can occur in thinner clay beds (e.g. Harter and Hubert, 2013).

4.12 Simulation of Agricultural Irrigation Processes Not Needed for EBP

The Integrated Water Flow Model[4] (IWFM), which is supported by DWR, and One-Water Hydrologic Model (MODFLOW OWHM, Hanson et al., 2014), which is supported by the USGS, are both integrated hydrologic models that simulate agricultural crop demands and irrigation supplies in addition to groundwater flow (Dogrul et al., 2011; Harter and Hubert, 2013; USGS, 2017). These integrated hydrologic modeling programs were developed for agricultural groundwater basins such as the Central Valley and Salinas Valley to predict agricultural water demands and dynamically simulate acquisition and routing of available water supplies in terms of surface water diversions and groundwater pumping, and irrigation of crops to meet demands. However, simulation of surface water routing and model determination of water demands for different crop types is not needed for the EBP Subbasin where the setting is mostly suburban and urban.

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[4] https://water.ca.gov/Library/Modeling-and-Analysis/Modeling-Platforms/Integrated-Water-Flow-Model

The LSCE Team will estimate irrigation demands for the EBP Subbasin using available data for golf courses, parks, and suburban neighborhoods. Crop water-demand models, such as the IWFM Demand Calculator developed by DWR (2017), will also be utilized as appropriate to evaluate irrigation needs for the EBP Subbasin.

4.13 Other Advantages of MODFLOW

In addition to being able to efficiently meet the modeling objectives for the EBP Subbasin, MODFLOW has other advantages for this project, several of which are discussed below.

4.13.1 Accessibility to Stakeholders

Multiple stakeholders are involved in the development of the EBP Subbasin GSP. MODFLOW is developed and maintained by the USGS, it is publicly available, and the model files can be shared easily and used with other commercial software for MODFLOW as well as standard USGS public domain software.

The files for a MODFLOW model comprise a series of files, or packages. Many of the files are written in American Standard Code for Information Interchange (ASCII) and some are in binary format. Both public domain and commercial GUIs are readily available for pre- and post-processing of MODFLOW ASCII and binary input and output files. GMS facilitates the generation of standard MODFLOW files that can be used with the public domain MODFLOW software or imported into other MODFLOW GUIs.

In addition, MODFLOW meets the GSP regulation §352.4(f)(3), which specifies that the model developed in support of a GSP after the effective date of the regulations shall consist of public domain open-source software.

4.13.2 Stable Estimate of Water Budget

The calculated groundwater flow budget and subset zone budget accounting are critical components for estimating groundwater sustainability and a key component of the EBP Subbasin groundwater flow model. Finite-difference models like MODFLOW can more readily achieve a stable “closed water budget” than finite-element models, because finite-difference calculations are better able to quantify cell-by-cell flow (e.g., Kumar, 2019).

4.13.3 Modeling for Regional Groundwater Management in Project Vicinity

MODFLOW has a long history of use for groundwater management in California (USGS, 2018), including the San Francisco Bay Area. Previous models developed with MODFLOW for this purpose include NEB MODFLOW used to support the South East Bay Plain Basin Groundwater Management Plan and SMPGM used to support the development of groundwater management strategies for the San Mateo Plain Groundwater Subbasin (Section 2). Thus, MODFLOW was used for two of the existing models that overlap the EBP Subbasin. In addition, other models within the general San Francisco Bay Area have been developed with MODFLOW, including the Sonoma Valley Area Model (USGS, 2006), Santa Clara Valley Regional Ground-Water/Surface-Water Flow Model (USGS, 2004), and Westside Basin Groundwater-Flow

Model (Hydrofocus, 2017). In addition, MODFLOW can simulate the processes included in the IGSM model previously developed for the Nile Cones and South East Bay Plain.

4.13.4 Post Processing and Visualization

GMS and AHGW smoothly integrate with GIS and facilitate efficient visualization with two- and three-dimensional mapping using programs like ArcGIS and ArcScene.

4.13.5 Incorporation of Other Processes

MODFLOW can also simulate other processes such as subsidence (SUB and/or SWT package), particle tracking (MODPATH), solute transport (MT3DMS or MT3D-USGS), geochemical reactions (RT3D, in conjunction with PHREEQC, or PHT3D), and variable-density groundwater flow (SWI2 package for MODFLOW-2005; SEAWAT).

MODFLOW files can be readily adapted in the future (as needed) to run with MODFLOW-SURFACT[5], which can simulate variably saturated flow within the vadose zone. However, because groundwater is generally shallow in the NEB area, the primary objectives of the EBP Subbasin model do not include variably saturated flow processes and residence time of water flowing within the vadose zone between surface water and groundwater.

5 SUMMARY

The LSCE Team recommends MODFLOW for simulating groundwater flow and interaction between surface water and groundwater for the EBP Subbasin. We also recommend GMS as the GUI for pre-and post-processing of MODFLOW files and data, and AHGW for managing, visualizing, and storing groundwater data within an ArcGIS environment.

MODFLOW is the most versatile and widely used software for groundwater modeling and is well-suited for simulating groundwater flow and developing the EBP Subbasin GSP. Moreover, MODFLOW is public-domain software supported and extensively documented by the USGS. GMS and AHGW are powerful pre- and post-processing platforms for MODFLOW that can efficiently couple the numerical groundwater flow model with the three-dimensional geologic model and available data. The MODFLOW model will also serve as an important tool for planning of future groundwater development and management in the EBP Subbasin.

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[5] https://www.hgl.com/softwareproducts-new/modflow-surfact/
https://www.waterloohydrogeologic.com/modflow-surfact-flow/

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STAKEHOLDER COMMENTS AND RESPONSES

Comment #	Comment By	Comment Date	Subtask, TM Section	Comment	Responses	Action Taken/Date Completed
1	Jo Farmer, Grolutions Horticultural Landscaping	4/30/20	Subtask 4.1 TM, Section 3.2.6	We should also analyze strategic opportunities to develop further groundwater-based ecosystems, i.e. stream daylighting. There is mention of analyzing gaining/losing "stretches," yet both gaining and losing stretches of a watercourse should have healthy groundwater all around them. Any such area with relative dryness to what is naturally expected —and, therefore, likely attainable— is a likely indicator of areas whose ecological restoration would have *maximum benefit for our water resources*.	SGMA requires identifying and considering how groundwater management affects groundwater dependent ecosystems (GDEs), which the consultant team will complete by analyzing GDEs in the GSP area using available sources and field investigations. However, restoration of GDEs is not part of the GSP development scope.	Comment addressed in response.
2	Jo Farmer, Grolutions Horticultural Landscaping	4/30/20	Subtask 4.3 TM, Section 4.10	I believe that the 'water budget approach' for monitoring seawater intrusion should be expanded to at least include analysis of *where the likely points of salinity / seawater intrusion are*. Knowing those locations would inform strategic decisions on where to focus GW recharge projects in order to push back salinity.	Seawater intrusion will be addressed in greater detail in Subtask 4.2 and other upcoming tasks.	Comment will be further addressed in future GSP subtasks.
3	Jo Farmer, Grolutions Horticultural Landscaping	4/30/20	Subtask 4.1 TM, Section 3.2.5; Subtask 4.3 TM, Section 4.11	The discussion of subsidence seems to be good and fairly comprehensive. I think that one beneficial addition to the scope of data analysis would be to ascertain *if subsidence has already occurred,* and, if so, to what degree and with what effects; this data could be vital to properly direct GW recharge efforts to where it may be needed most to protect East Bay lands.	Additional discussion of subsidence and groundwater levels will be provided in the Subtask 4.2 TM.	Comment will be further addressed in future GSP subtasks.
4	Jo Farmer, Grolutions Horticultural Landscaping	4/30/20	Subtask 4.1 and 4.3 TMs	I had heard that there had been, at least in the recent past, contemplation of selling water to nearby basins. I believe *it is justifiable to acquire data about options to extract for sale/transfer,* under current conditions and/or future scenarios where groundwater volumes have expanded well beyond threshold levels of sustainability.	We are not aware of projects proposing to sell groundwater from the East Bay Plain Subbasin to other nearby basins.	Comment will be further addressed in future GSP subtasks.

5	Jo Farmer, Grolutions Horticultural Landscaping	4/30/20	Subtask 4.1 and 4.3 TMs	Urban homesteading, along with the desirability to dig wells and be resilient in all ways, has sharply increased among the general populace. Therefore, I believe it is only prudent, for this reason alone, to acquire data & analysis on options for extraction. Data and analysis would be beneficial for: (i) how significantly increased runoff from "residential-agricultural" irrigation could be projected to flow and (ii) where well extraction is sustainable & at what maximum quantities / in what conditions/scenarios.	The potential for increased groundwater extraction and the potential influence on the overall sustainable yield will be evaluated under future GSP subtasks.	Comment will be further addressed in future GSP subtasks.
6	Karineh Samkian, City of San Pablo	5/2/20	Subtask 4.3 TM, Section 1, page 2	Under Model Objective what is meant by bullet 4? What is an undesirable result?	An undesirable result occurs when conditions related to one or more of the sustainability indicators becomes significant and unreasonable, and is based on minimum threshold exceedances. The GSP is required to define when an undesirable result is triggered. Undesirable results will be defined as part of Task 5.2, currently scheduled to be completed by June 30, 2021.	Comment addressed in response.
7	Karineh Samkian, City of San Pablo	5/2/20	Subtask 4.1 TM, Section 3.1.1	It states that areas with data gaps were supplemented with additional WCR. Does that mean new data was collected? If so, how many and is that amount enough for accurate modeling?	New data were not collected. The database containing 22,000 WCRs was further analyzed to identify those that could be used to fill data gaps identified for wells shallower than the original 200 feet criterion. This overall effort resulted in 642 WCRs being included in the database for more detailed analysis. The groundwater modeling being conducted for the GSP is an initial effort that can be based only on existing data. The model will be improved over time as additional data are collected to fill data gaps and incorporated into future updates of the model.	Comment addressed in response.
8	Karineh Samkian, City of San Pablo	5/2/20	Subtask 4.1 TM, Section 5.1	It states that there is less data in the North as there was more emphasis on groundwater supply development in the South. Is this a result of politics, other factors, or is it just because the south has deeper wells?	The aquifers in the southern part of the East Bay Plain Subbasin are thicker, deeper, and more permeable than in the north, and capable of sustaining much greater pumping rates, making the southern portion of the basin a better source of groundwater. Consequently, the southern portion of the EBP Subbasin has been studied in much more detail.	Comment addressed in response.
9	Karineh Samkian, City of San Pablo	5/2/20	4.1 TM, Section 6.2	It states that water condition data gaps are more extensive. Does that mean more data will be collected in Subtask 4.2 as is suggested for pumping under 6.3?	More detailed information on groundwater conditions will be presented in the Subtask 4.2 TM. However, the general statement of greater data gaps for groundwater conditions' data compared to geologic conditions' data is correct. The data gaps will be addressed with future monitoring networks and data collection efforts after the GSP is completed. The additional networks and data collection efforts will then be used in future GSP updates.	Comment will be further addressed in future GSP subtasks.
10	Preston Jordan, LBNL	5/4/20	Subtask 4.1 TM, Section 3.1.1	Because bedrock is shallower than 100 feet or even 50 feet in the central portion of the basin, would it be useful for the well selection depth filter to vary across the basin?	A depth filter shallower than 100 feet would generally not provide useful information relative to the main goals of the GSP. The WCRs retained for the project database include data from the ground surface to the total depth drilled for each WCR. The approach has been to vary the depth filter in targeted areas where data gaps are prevalent in the database for wells 200 feet and deeper. A depth filter of 100 feet was applied in these data	Compile well logs less than 100 feet deep in areas of subbasin less

STAKEHOLDER COMMENTS AND RESPONSES

					gap areas to incorporate additional well logs. The vast majority of the EBP Subbasin has depths of unconsolidated alluvium greater than 100 feet. The primary area that has been identified as potentially less than 100 feet is within the portion of the Subbasin north of Berkeley and south of Richmond. This area is being investigated further with regard to well logs less than 100 feet deep to allow for potential incorporation of wells less than 100 feet deep.	than 100 feet deep/In Progress
11	Preston Jordan, LBNL	5/4/20	Subtask 4.1 TM, Section 3.1.1	A less-than-50-feet category is shown on one of the slides. Is it true that shallow wells to 50 feet depth were filtered out/not advanced to further consideration? This question may only regard WCRs selected for construction of the hydrostratigraphy. Specifically, Figures 3-2 through 3-4 do not show WCRs for wells less than 100 feet deep. Please clarify.	Yes, wells with less than 50 feet of depth were filtered out and not considered further for construction of the hydrostratigraphy (i.e., the structure of the subsurface) because there was sufficient coverage using wells that were deeper than 200 feet that also had hydrostratigraphic data up to ground level (i.e., the same area that would have been covered by wells less than 50-feet deep). Hence, Figures 3-2 through 3-4 do not show WCRs for wells less than 100 feet deep. However, water level data for shallow wells with less than 50 feet depth were compiled and, if appropriate, will be used for GDE analysis.	Comment addressed in response.
12	Preston Jordan, LBNL	5/4/20	Subtask 4.1 TM, Section 3.2.6	Was consideration given to the potential for existing Groundwater Dependent Ecosystems (GDEs) to occur along all perennial streams? Will perennial and seasonal creeks be included in GDE analysis?	The GDE analysis is a starting point, and will be ongoing. The starting point was the comprehensive GDE mapping conducted by TNC supplemented by other sources. The overall ongoing GDE analysis will be conducted in general accordance with guidelines published by TNC and continue beyond completion of the GSP, but it will ultimately involve refinement based on available local data and hydrogeologic conditions defined during development of the GSP.	Comment will be further addressed in future GSP subtasks.
13	Peter Nico, LBNL	5/4/20	Subtask 4.1 TM, Section 3.2.6	Related to GDEs and riparian corridors, could you please provide more detailed maps if The Nature Conservancy's mapping is used?	The GDE analysis is ongoing and additional information related to GDE mapping will be provided as part of the Task 4.2 TM.	Comment will be further addressed in future GSP subtasks.
14	Preston Jordan, LBNL	5/4/20	Subtask 4.1 TM, Section 3.2.6	Will GSAs work with local organizations that monitor and measure GDE's?	The TAC and the broader stakeholder meetings are the opportunities for GSAs to interact with basin stakeholders, and in return, they can help identify resources or suggest areas of interest that they want GSAs to look into. As we move forward with the TAC and GSP development, there will be more opportunities to engage with various groups on the GDE topic. Also as a reminder, SGMA has very specific guidance and criteria along with a limited schedule and statutory deadlines. The GSP needs to incorporate plans for GDE monitoring, as applicable to the EBP Subbasin. Within those limitations, we will look into all applicable information and resources. The GSP is a living document that will have to be periodically reviewed and updated.	Comment will be further addressed in future GSP subtasks.

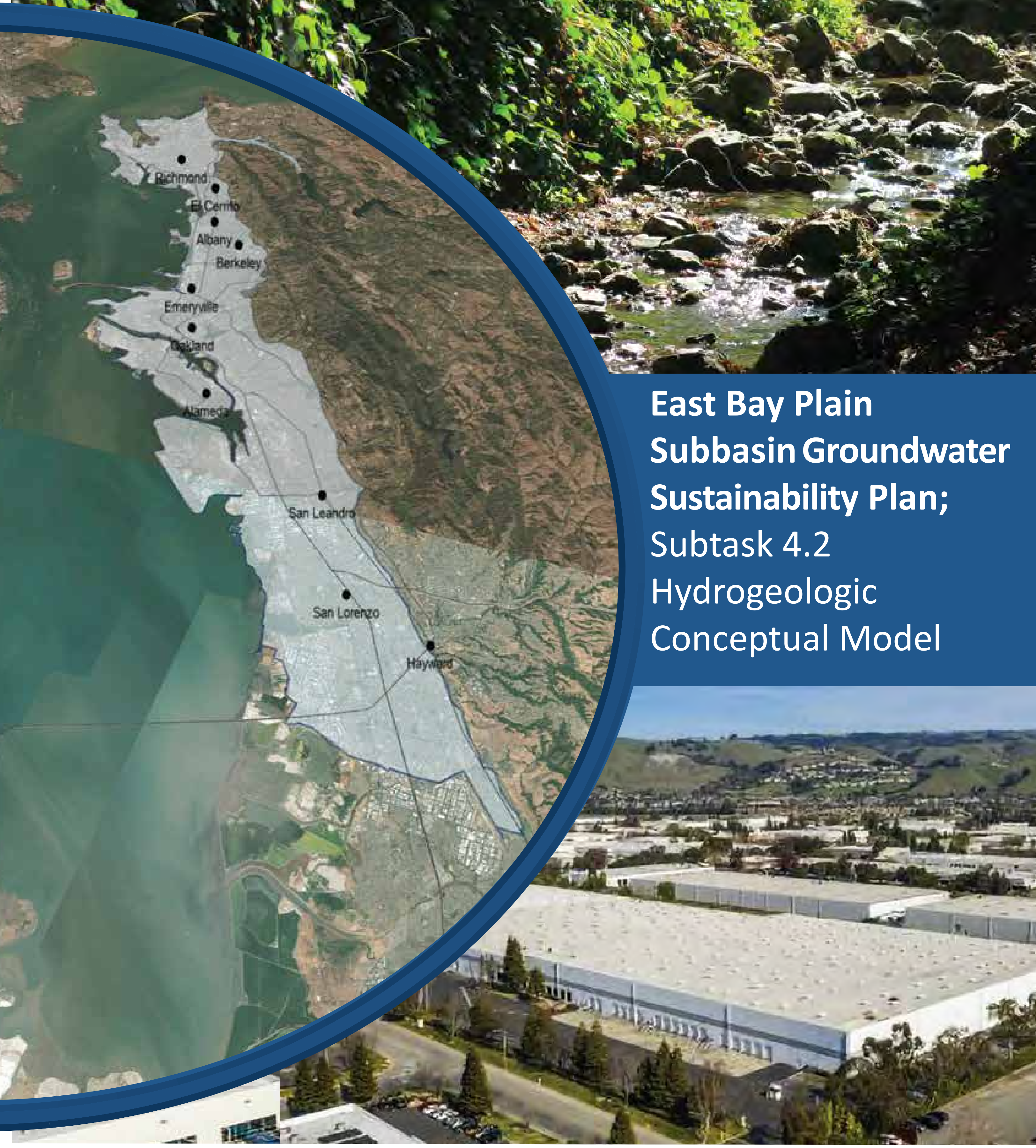
15	Peter Nico, LBNL	5/4/20	Subtask 4.3 TM	Although the shallower vadose zone lessens the impact, unsaturated flow could be important for any aquifer recharge activities. Will it be analyzed? Will further justification be provided for not accounting for unsaturated flow as these are important to both the quantity and quality of unsaturated/saturated flow?	Although the unsaturated (or vadose) zone is important relative to groundwater recharge, it is not nearly as important in this basin as in other basins due to a very shallow depth to groundwater. This minimizes travel time through the vadose zone. There could be examples where it is more important (such as creation of a thicker vadose zone where groundwater is over pumped). In addition, it should be recognized that the GSP groundwater model is a starting point, and the model will be subject to further updates and refinements even after the GSP is completed. If existing and future work on the GSP determine that unsaturated zone modeling is critical despite the minimal vadose zone, additional field data collection efforts will need to occur to provide parameter input data for such modeling. There is a proprietary version of MODFLOW “add-on” that has the capability to model unsaturated flow, along with other software that could be utilized in conjunction with MODFLOW.	Comment addressed in response.
16	Michelle Newcomer, or Erica, LBNL	5/4/20	Subtask 4.3 TM	MODFLOW’s analytical capabilities relating to groundwater chemistry are low. Will it be hard to use MODFLOW to address GW quality issues?	There are additional packages that can be added in MODFLOW to significantly enhance its ability to address various groundwater quality issues. These packages may be considered in future model refinements subsequent to completion of the GSP if it is determined that there are key groundwater quality issues that warrant solute transport modeling.	Comment addressed in response.
17	Preston Jordan, LBNL	5/4/20	Subtask 4.1 TM	From a field perspective, bioretention basins are being added daily. These are designed in part to enhance recharge. The impact of these basins on concentrations of different constituents in groundwater is unclear. Will the GSP address these issues?	The focus of groundwater model development for the GSP is to provide representation of regional subbasin-wide groundwater conditions. If necessary, future updates and refinements, subsequent to completion of the GSP, could be done to address specific groundwater quality constituents and/or more localized issues in the subbasin. The EBP Subbasin GSP groundwater model may also be useful in providing boundary conditions for more localized modeling efforts conducted by others. In addition, measurement of inflows and monitoring of groundwater levels and quality around such bioretention basins by cities and local agencies would be helpful in providing key information for potential future modeling efforts.	Comment addressed in response.
18	Preston Jordan, LBNL	5/4/20	Subtask 4.1 TM	In response to the RWQCB requirements, will the effects of green infrastructure scaled over time be considered in the GSP?	Assessing the benefits and vulnerabilities from green infrastructure is not the purpose of developing a GSP. However, the groundwater model created to support development of the GSP could be a tool to help develop monitoring programs to address green infrastructure more specifically. The GSAs will be continuing to coordinate with the local planning agencies and cities to assess land use planning activities, including green infrastructure in their areas. The GSP will touch on current and future effects of these land use activities.	Comment addressed in response.
19	Margo Schuler, Berkeley Public works commission,	5/4/20	Subtask 4.1 TM	I understand GSAs will be coordinating with the land use planning agencies but how about sea level rise? Even in the Berkeley area, it could be up to 8 feet? What would be the impact to the groundwater basin?	The GSP will account for climate change, including sea level rise. However, assessing the effects of climate change is complex and widely varied. We will be using DWR’s Guidance for Climate Change Data Use for GSP development as the primary source of technical input to account for	Comment will be further addressed in future GSP subtasks.

	and Sierra Club				climate change, including sea level rise, in groundwater modeling and water budget calculations.	
20	Jo Farmer, Law Student	5/4/20	Subtask 4.3 TM, Section 4.10	How are we looking at saltwater intrusion? In the tech memo that was sent out, the discussion included that there was certain metrics that were going to be considered over other zones to monitor saltwater intrusion. How are we going to analyze and model seawater intrusion? Also, my suggestion is that it would be helpful to analyze the modeling software to try to locate the points of seawater intrusion to potentially earmark those areas for bioremediation or treatment process, knowing what those areas are.	Seawater intrusion is a potential threat to local groundwater, and it is one of the six key sustainability indicators required to be addressed under SGMA. The first step for the GSP is to identify the degree of vulnerability this basin has to seawater intrusion. While there are some historical data to provide an indication of basin vulnerability under much higher pumping stresses, we have very limited data along the shoreline. We are evaluating seawater intrusion in a phased approach and additional information will be presented in the Subtask 4.2 TM. We will be able to answer this question in more detail as we collect and process more data/information during the development of the GSP.	Comment will be further addressed in future GSP subtasks.
21	Jo Farmer, Law Student	5/4/20	Subtask 4.3 TM, Section 4.10	Is the water budgeting model going to be the only metric by which we measure? Or are there going to be other methods used as well?	SGMA and BMP guidelines provide options for how metrics for the various sustainability indicators may be addressed. This work has not started yet and will be addressed under Task 5.	Comment will be further addressed in future GSP subtasks.
22	Preston Jordan, LBNL	5/4/20	Subtask 4.3 TM	What initial condition will be used to drive the simulations? How will a dynamic equilibrium be obtained for the beginning of the transient simulations, and what mechanism will be used to quantify model convergence?	The basis for initial conditions and model convergence criteria are still under development, and these will be presented/discussed at a future TAC meeting once Task 4.4 is completed.	Comment will be further addressed in future GSP subtasks.
23	Karineh Samkian, City of San Pablo	5/4/20	Subtask 4.1 and 4.3 TMs	Before we wrap up, what are the next steps in Subtask 4.2.?	The GSAs are currently reviewing an admin draft of the Subtask 4.2 Hydrogeologic Conceptual Model technical memorandum (TM), and anticipate making a draft available for TAC review soon. Subtask 4.1 and Subtask 4.3 TMs will be finalized and posted to the website for review by stakeholders, and to share with neighboring basins. The GSP consultant team has begun building the groundwater model.	Comment addressed in response.

APPENDIX 2. PLAN AREA AND BASIN SETTING

2.A. Technical Memoranda and Data

2.A.b. Subtask 4.2 TM Hydrogeologic Conceptual Model



East Bay Plain Subbasin Groundwater Sustainability Plan;

Subtask 4.2 Hydrogeologic Conceptual Model

EBMUD

HAYWARD

Prepared by

LSCE TEAM

September, 2021

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LIST OF ABBREVIATIONS AND ACRONYMS

ACWD	Alameda County Water District
AF	Acre-Feet
ACPWA	Alameda County Public Works Agency
As	Arsenic
B	Benzene
bgs	Below ground surface
CalSim II	California Water Resources Simulation Model II
CASGEM	California Statewide Groundwater Elevation Monitoring Program
CDEC	California Data Exchange Center
CDFW	California Department of Fish & Wildlife
Cl	Chloride
CIMIS	California Irrigation Management Information System
CoCoRaHS	Community Collaborative Rain, Hail and Snow Network
CrVI	Hexavalent Chromium
DDW	California Division of Drinking Water
DSRSD	Dublin San Ramon Services District
DTSC	Department of Toxic Substances Control
DWR	California Department of Water Resources
E	Ethylbenzene
EBMUD	East Bay Municipal Utility District
EBP	East Bay Plain
EDF	Environmental Defense Fund
EPA	U.S. Environmental Protection Agency
ET	Evapotranspiration
ft	ft or foot
ft/d	Feet/day
GAMA	Groundwater Ambient Monitoring and Assessment
GDEs	Groundwater Dependent Ecosystems

GIS	Geographic Information Systems
GPS	Global Positioning System
GSP	Groundwater Sustainability Plan
HARD	Hayward Area Recreation District
Hayward	City of Hayward
HCM	Hydrogeologic Conceptual Model
HCFC	Hydrochlorofluorocarbons
HFCs	Hydrofluorocarbons
iGDE	Groundwater Dependent Ecosystem Indicators
InSAR	Interferometric Synthetic Aperture Radar
K	Hydraulic Conductivity
LSCE	Luhdorff & Scalmanini Consulting Engineers
LSCE Team	Luhdorff & Scalmanini Consulting Engineers and Team of Subconsultants
MGD	Million Gallons Per Day
Mn	Manganese
msl	Mean Sea Level
MTBE	Methyl tert-butyl ether
MWWTP	Main Wastewater Treatment Plant
NCC	Natural Communities Commonly Associated with Groundwater
NEBIGSM	Niles Cone and East Bay Plain Integrated Groundwater and Surface Water Model
NEBMODFLOW	Niles Cone and East Bay Plain Modular Finite Difference Flow Model
NLCD	National Land Cover Dataset
NO3-N	Nitrate
NRCS	Natural Resources Conservation Service
NRWRP	North Richmond Water Recycling Project
NWI	National Wetland Inventory
PBO	Plate Boundary Observatory
PCE	Perchloroethylene, Tetrachloroethylene
RARE	Richmond Advanced Recycled Expansion

RAWS	Remote Automated Weather Stations
RWMP	Recycled Water Master Plan
RMSD	Richmond Municipal Sewer District
S	Storage Coefficient
SAGBI	Soil Agricultural Groundwater Banking Index
SSD	Stege Sanitary District
SFPUC	San Francisco Public Utilities Commission
SGMA	Sustainable Groundwater Management Act
SRVRWP	San Ramon Valley Recycle Water Program
SSURGO	Soils Survey Geographic Database
Sy	Specific Yield
T	Transmissivity
TCE	Trichloroethylene
TDS	Total Dissolved Solids
TM	Technical Memorandum
TPH	Total Petroleum Hydrocarbons
TRS	Township Range Sections
UNAVCO	University NAVSTAR Consortium
USDA	United States Department of Agriculture
USGS	US Geological Survey
VOC	Volatile Organic Compound
WCRs	Well Completion Reports
WPCP	Water Pollution Control Plant
WTP	Water Treatment Plant
X	Xylenes

ES EXECUTIVE SUMMARY

In September 2014, the California legislature passed the Sustainable Groundwater Management Act (SGMA) that established new measures for groundwater management and regulation statewide. SGMA provides for local control of groundwater resources while requiring sustainable management of the state's groundwater basins. Under the provisions of SGMA, local agencies must establish governance of their subbasins by forming Groundwater Sustainability Agencies (GSAs) with the authority to develop, adopt, and implement a Groundwater Sustainability Plan (GSP) for the subbasin. Luhdorff & Scalmanini Consulting Engineers (LSCE) and a team of subconsultants (the LSCE Team)[1] are working with the East Bay Municipal Utility District (EBMUD) and the City of Hayward (Hayward) GSAs to develop a GSP for the East Bay Plain (EBP) Subbasin.

> *This Technical Memorandum (TM) has been prepared to address the Basin Setting requirements under the GSP regulations related to the hydrogeologic conceptual model (HCM) (§354.14(a)), groundwater conditions (§354.16), and the water balance. (§354.18).*

This Technical Memorandum (TM)[2] has been prepared to address the Basin Setting requirements under the GSP regulations related to the hydrogeologic conceptual model (HCM) (§354.14(a)), groundwater conditions (§354.16), and the water balance (§354.18). These three major components of the Basin Setting provide the foundation for subsequent groundwater modeling tasks and various other GSP development tasks. Development of this TM involved review and analysis of over twenty thousand well completion reports, significant amounts of data and information compiled in this TM and in previous tasks to develop the HCM, characterization of groundwater conditions, and quantification of the components of the preliminary water balance. This TM is also intended to serve as a "repository" of data and information that may be used in subsequent subtasks in GSP development, future refinement of the GSP, and for other studies that may be conducted in the Subbasin.

This TM includes:

- Section 1: an introduction and background information,
- Section 2: brief summary of the Data Collection and Data Gap Analysis TM,
- Section 3: review and summary of previous studies,
- Sections 4 and 7: hydrogeological conceptual model,

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[1] LSCE Team includes Geosyntec, ESA, Brown and Caldwell, Jean Moran, Farallon Geographics, and Kearns & West.

[2] The LSCE Team prepared this Technical Memorandum under Subtask 4.2 of the GSP development work.

- Section 5: groundwater conditions, and
- Section 6: water balance.

A summary of key findings relative to the HCM, groundwater conditions, and the water balance are provided in the following paragraphs.

ES.1 Hydrogeologic Conceptual Model

The EBP Subbasin is bordered by the East Bay Hills on the east, San Francisco Bay on the west and north, and Niles Cone Subbasin on the south. The EBP Subbasin has been geographically demarcated into northern and southern portions that are generally separated by Highway 24/I-580 in Oakland (**Figure ES-1**). The demarcation was made because the northern EBP Subbasin is generally shallower and less studied than the southern EBP. The northern EBP Subbasin generally includes areas from Emeryville and Berkeley to Richmond, while the southern EBP Subbasin includes areas from Oakland to Hayward. The southern EBP Subbasin has unconsolidated deposits extending up to 1,000 feet (ft) or more below ground surface (bgs), while most areas of the northern EBP Subbasin have unconsolidated deposits shallower than 500 ft. Three major depth zones are defined for the EBP Subbasin: Shallow Aquifer Zone (less than 200 ft bgs), Intermediate Aquifer Zone (200 to 400 ft bgs), and Deep Aquifer Zone (over 400 ft bgs). Coarse-grained sediments in the Deep Aquifer Zone are particularly well developed and continuous in the southern portion of the EBP Subbasin between southern San Leandro and Hayward (**Figure ES-2**). Several high-yield production wells have been developed within the Deep Aquifer Zone and lower portion of the Intermediate Aquifer Zone in the southern EBP Subbasin. The Shallow Aquifer Zone and upper to middle portions of the Intermediate Aquifer Zone tend to have more isolated lenses of coarse-grained deposits that result in lower yielding wells. Overall, the unconsolidated deposits have a significantly greater proportion of fine-grained deposits in all depth zones.

The southern EBP Subbasin has unconsolidated deposits extending up to 1,000 feet (ft) or more below ground surface (bgs), while most areas of the northern EBP Subbasin have unconsolidated deposits shallower than 500 ft bgs. Three major depth zones are defined for the EBP Subbasin: Shallow Aquifer Zone (less than 200 ft bgs), Intermediate Aquifer Zone (200 to 400 ft bgs), and Deep Aquifer Zone (over 400 ft bgs).

The occurrence of a much shallower depth to bedrock and less frequent occurrence of coarse-grained units in the northern EBP Subbasin is illustrated in **Figure ES-3** for the Richmond area and in **Figure ES-4** for the area around Berkeley and Emeryville. These three cross sections also illustrate the occurrence of only the Shallow or Shallow/Intermediate Zones in the northern EBP Subbasin, as compared to the presence of all three depth zones over most of the southern EBP Subbasin.

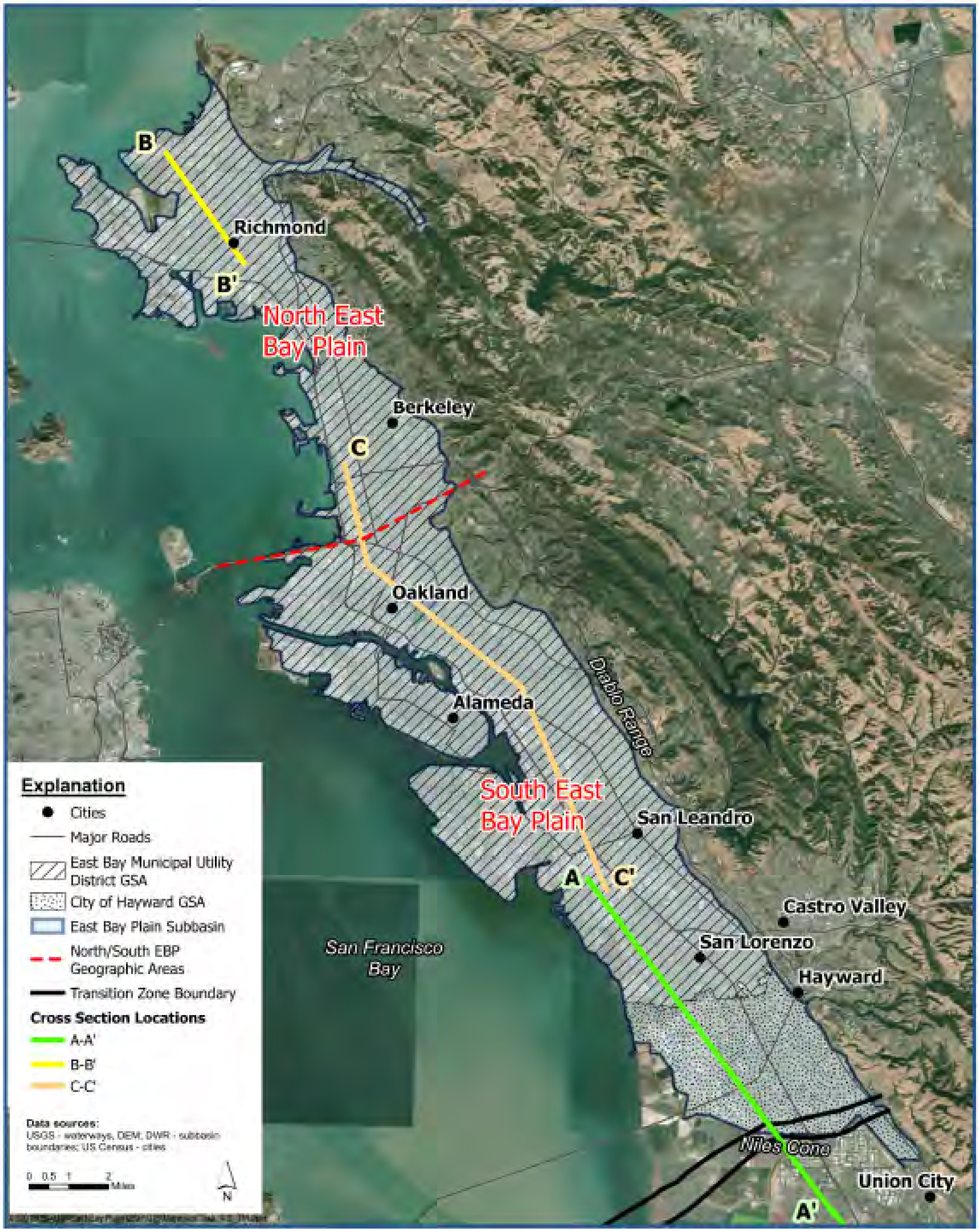


Figure ES-1. East Bay Plain Subbasin Location Map

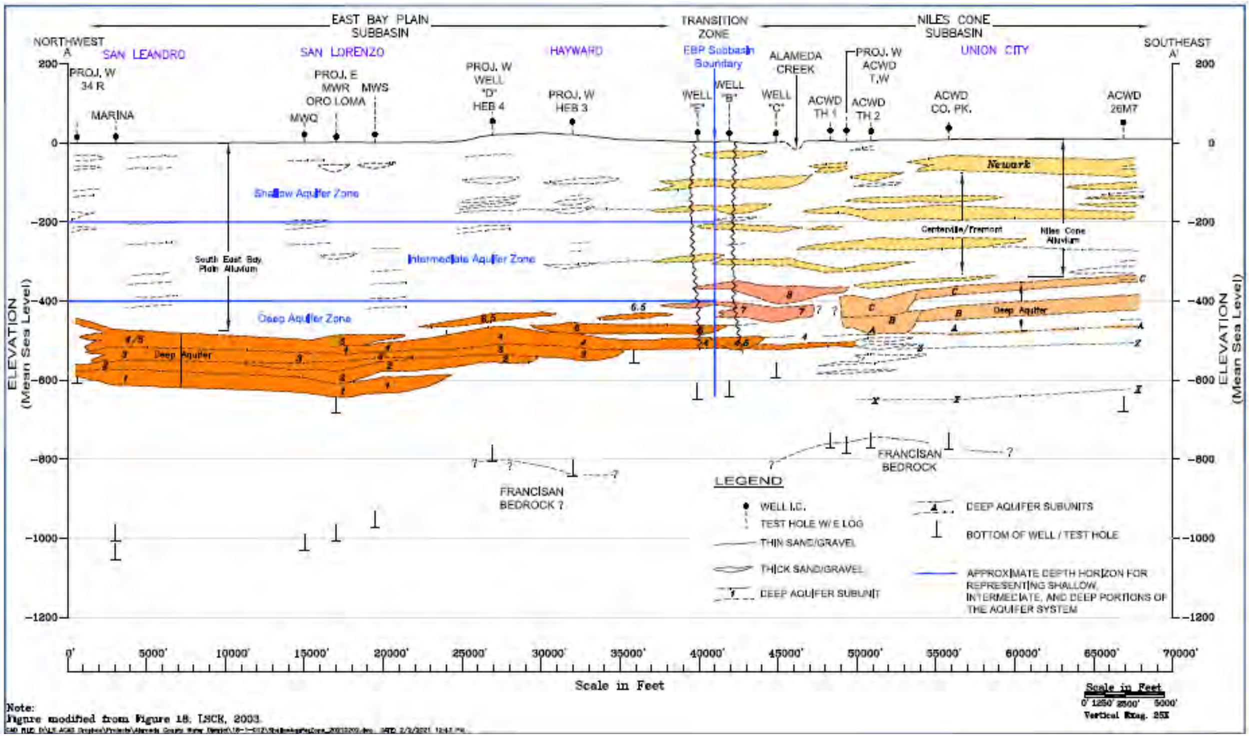
A 3-D geologic model database was developed based on an analysis of Department of Water Resources (DWR) Well Completion Reports (WCRs). Lithology by depth interval from approximately 650 WCRs were entered into an electronic database to provide the foundational database for the 3-D geologic model. The 3-D geologic model will be utilized during the development of the groundwater model and can also be used in the future to generate additional geologic cross sections in the basin.

Aquifer test and specific capacity data were reviewed and analyzed for aquifer properties. **Table ES-1** summarizes the range of transmissivity values observed in the northern and southern EBP Subbasin for the various aquifer zones.

Table ES-1: Summary of Aquifer Transmissivity Values

Subbasin Area	Aquifer Zone	Transmissivity (gpd/ft)	Data Source
North	Shallow	1,200	Specific Capacity Data
North	Intermediate	Not Available	No Data Available
North	Deep	Not Available	No Data Available
South	Shallow	160 – 7,900	Port of Oakland Aquifer Tests
South	Intermediate	13,100 – 16,900	Specific Capacity Data
South	Deep	9,000 – 132,000	Hayward and EBMUD Aquifer Tests

The southern boundary of the EBP Subbasin with the Niles Cone Subbasin has been evaluated in detail based on available geologic data (e.g., cross-sections), hydraulic data (e.g., regional pumping tests), and isotope data. All three major data sources indicate a partial to significant barrier to groundwater flow is present in the Deep Aquifer Zone, which is the major source of groundwater for the EBP Subbasin. This partial to significant barrier to groundwater flow in the Deep Aquifer Zone is located between Hayward Wells E and Well B (**Figure ES-2**).



Note:
Figure modified from Figure 18, LSCE, 2003.

Figure ES-2. Geologic Cross Section A-A' of Southern East Bay Plain Subbasin

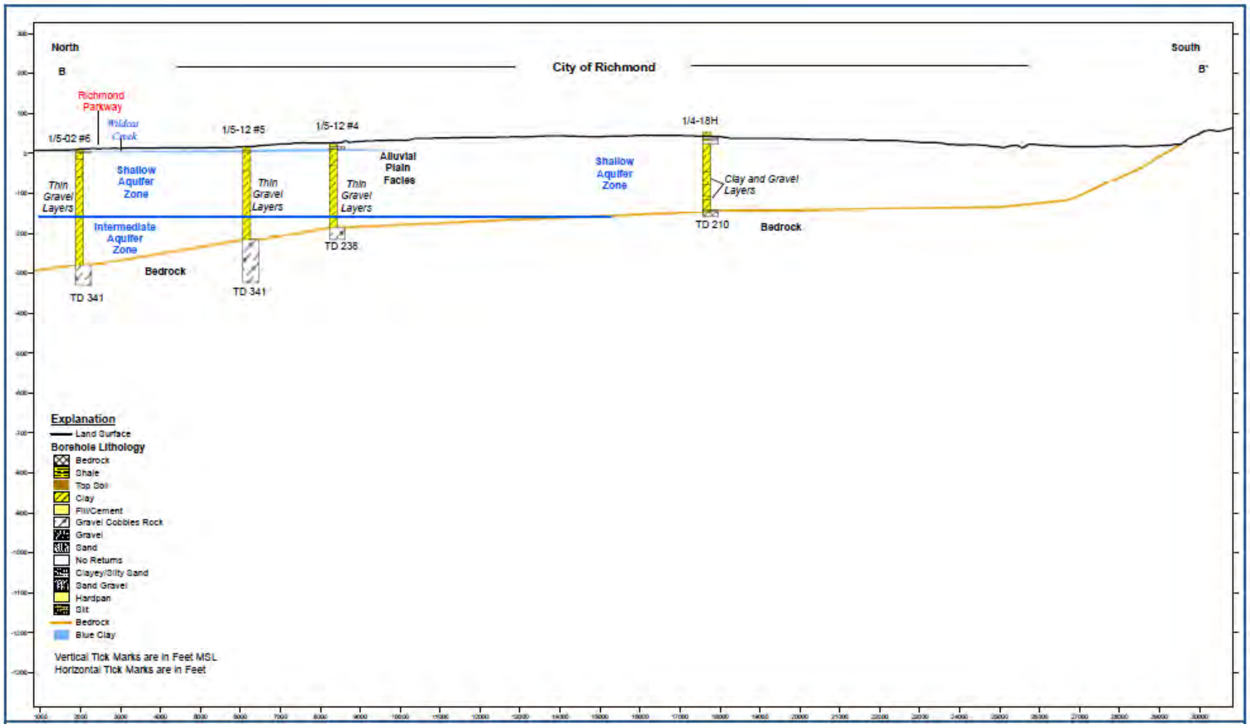
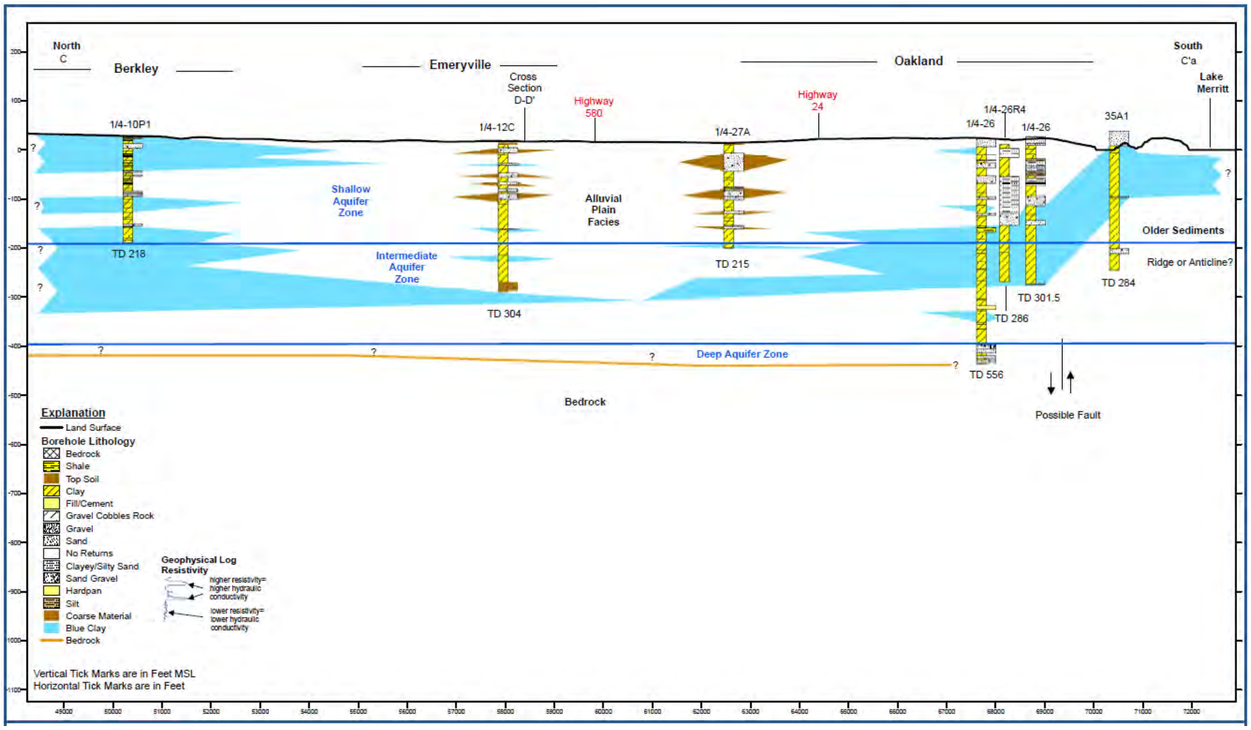


Figure ES-3. Geologic Cross Section B-B' of Northern East Bay Plain Subbasin



Figures ES-4. Geologic Cross Section C-C'a of Northern East Bay Plain Subbasin

ES.2 Groundwater Conditions

Groundwater conditions include groundwater levels, groundwater storage, groundwater quality, groundwater pollutants, groundwater-surface water interactions and groundwater dependent ecosystems (GDEs), seawater intrusion, and subsidence.

ES.2.1 Groundwater Levels

Groundwater pumping in the late 1950s to early 1960s was greatest in the Intermediate and Deep Aquifer Zones in the southern portion of the EBP Subbasin, and groundwater level data generally showed groundwater elevations that had declined several tens to over 100 ft below mean sea level (MSL) (**Figure ES-3**). These groundwater levels recovered between the mid-1960s and 1990s due to substantial reductions in groundwater pumping; groundwater elevations have generally been stable since the early 2000s. While historical groundwater elevations in the Intermediate and Deep Aquifer Zones declined substantially when subjected to heavy groundwater pumping, Shallow Aquifer Zone groundwater levels generally remained steady or had minimal declines (**Figures ES-5** and **ES-6**).

> *While historical groundwater elevations in the Intermediate and Deep Aquifer Zones declined substantially when subjected to heavy groundwater pumping, Shallow Aquifer Zone groundwater levels generally remained steady or had minimal declines.*

An evaluation of depth to water was conducted using wells screened in the Shallow Aquifer Zone between ground surface and 50 ft bgs (referred to here as the Water Table Aquifer). In general, the Water Table Aquifer depths to groundwater are less than 20 ft over most of the EBP Subbasin, although there are some areas with groundwater levels between 20-30 ft bgs or more. Overall, the depth to groundwater generally decreases from northeast (near the East Bay hills) to southwest (San Francisco Bay) across the Subbasin.

ES.2.2 Groundwater Storage

The total volume of groundwater storage (i.e., from the water table to the base of unconsolidated sediments) in the EBP Subbasin was estimated by DWR (1994) to be over two million acre-feet (AF). However, this previous study by DWR, which defined useable groundwater storage as the amount above mean sea level, estimated useable groundwater storage within the EBP Subbasin at 80,000 AF, which is substantially lower than the estimated total groundwater storage of over two million AF. Historical groundwater basin development suggests useable groundwater storage may be greater than this previous estimate of 80,000 AF and additional evaluation of groundwater storage will be conducted using the groundwater model under development for the GSP.

ES.2.3 Groundwater Quality

Overall groundwater quality in the EBP Subbasin has been evaluated in detail for several major constituents, including total dissolved solids (TDS), chloride, nitrate, arsenic, and manganese.

- TDS: Average concentrations are generally less than 1,000 mg/L except in localized areas near San Francisco Bay (primarily in the Shallow Aquifer Zone).
- Chloride: The distribution of chloride concentrations, which can serve as a potential indicator for seawater intrusion, generally mimics the pattern for TDS concentrations with elevated values (greater than 500 mg/L) observed primarily near San Francisco Bay and in the Shallow Aquifer Zone.
- Nitrate: Available data for wells known to be screened in the Intermediate and Deep Aquifer Zones indicate that nitrate concentrations are below the primary maximum contaminant level[3] (MCL) of 10 mg/L for nitrate as nitrogen. However, there are a limited number of Shallow Aquifer Zone wells distributed throughout the EBP Subbasin that have elevated nitrate concentrations exceeding the MCL.

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[3] Maximum Contaminant Level or MCL: "The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water." Maximum Contaminant Level Goal or MCLG: "The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency." Public Health Goal or PHG: "The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency." (California Code of Regulations, 2019).

- Arsenic: Most wells with data have arsenic concentrations below the arsenic primary MCL of 10 ug/L; however, there are one or more wells in each depth zone with an average arsenic concentration above the MCL.
- Manganese: Manganese is a commonly occurring natural constituent in groundwater, and the majority of wells tested in the EBP Subbasin have manganese concentrations exceeding the secondary MCL (no primary MCL has been established for manganese since it is not a health concern) in all three aquifer depth zones.

ES.2.4 Groundwater Pollutants

Historical commercial and industrial activities in the EBP Subbasin have resulted in release of pollutants to the soil and groundwater system. The pollutants selected for more detailed analysis were based on the need to establish current baseline conditions for the most common and potentially impactful contaminants. Environmental (i.e., contaminant) sites were reviewed using the State Water Resources Control Board's GeoTracker database; the review focused on the following most prevalent contaminants:

- perchloroethene (PCE),
- trichloroethene (TCE),
- total petroleum hydrocarbons (TPH),
- benzene,
- toluene,
- ethylbenzene,
- xylenes,
- methyl tert-butyl ether (MTBE), and
- hexavalent chromium (generally considered a naturally occurring constituent, but included here to account for potential industrial sources).

A total of fourteen sites with existing PCE, TCE, and/or hexavalent chromium concentrations above the MCL were identified at locations throughout the EBP Subbasin from Richmond to Hayward. The depth of contamination was limited to the upper 50 ft bgs at all sites except one (located in Richmond), where monitoring well depths extended to 120 ft bgs. Other sites with minor contamination are present throughout the Subbasin; review of these sites generally indicated environmental site contamination is limited to the upper portion (i.e., upper 120 ft) of the Shallow Aquifer Zone. The overall results of this review indicate that the Intermediate and Deep Aquifer Zones (depth intervals greater than 200 ft bgs) are generally not impacted by contaminants attributed to environmental sites.

ES.2.5 Isotope Data

Previous sampling for isotopes has been conducted in the southern portion of the EBP Subbasin and the contributing watersheds in the East Bay Hills. These previous isotope studies have provided some preliminary insights on sources of recharge, movement of groundwater along a flow path, and groundwater ages that can be utilized in conjunction with other hydrogeologic data. For example, the long residence times of groundwater in the Deep Aquifer Zone in the southern EBP Subbasin indicate a very large storage volume and generally effective confining units. In addition, recent isotope studies near small streams in the northern portion of the Subbasin indicate that imported water from leakage and/or excess irrigation may contribute significantly to recharge in these northern areas. Additional studies using isotopes in the future will continue to add to the overall understanding of EBP Subbasin hydrogeology.

ES.2.6 Groundwater-Surface Water Interactions and GDEs

Based on hydrogeologic conditions in the Subbasin, the potential for surface water - groundwater connection increases from east to west. In addition, where there are surface water - groundwater connections, it can be expected that losing conditions (infiltration from the stream to the underlying groundwater system) are more likely to occur in the eastern portion of the basin and gaining conditions (discharge of groundwater to the stream system) have more potential to occur in the western portion of the Subbasin. The nature of surface water - groundwater interaction will be further evaluated in subsequent tasks for GSP development.

The available data sources were also reviewed to identify potential GDEs in the Subbasin. Based on these data sources, small areas of potential GDEs were indicated to be present along several creeks and a small wetland area. Additional evaluation will be conducted in subsequent tasks to further evaluate and confirm which of the potential GDEs are considered actual GDEs.

ES.2.7 Seawater Intrusion

Review of the distribution of fine and coarse-grained sediments in the EBP Subbasin indicates a predominance of fine-grained sediments, particularly in the Shallow and Intermediate depth zones. Coarse-grained units in the upper 400 ft tend to occur as discontinuous layers within an overall fine-grained matrix, especially along the San Francisco Bay margin. This sediment distribution allows for significant protection against the potential for seawater intrusion in the Deep Aquifer Zone, which serves as the primary aquifer for water supply development in the southern portion of the EBP Subbasin. Much greater groundwater pumping occurred in the 1950s and early 1960s with groundwater levels in the Intermediate and Deep Aquifer Zones far below sea level, yet seawater intrusion did not occur in the Intermediate/Deep Aquifer Zones at that time. However, there were indications that historical pumping in the Shallow Aquifer Zone near San Francisco Bay caused areas of local seawater intrusion in the Shallow Aquifer Zone prior to 1930. In general, these historical observations are consistent with EBP Subbasin hydrogeologic understanding of unconfined conditions in the Shallow Aquifer Zone and confined conditions in the Intermediate and Deep Aquifer Zones, where the unconfined Shallow Aquifer Zone is more susceptible to seawater intrusion.

ES.2.8 Subsidence

Review of previous reports and available subsidence data indicate that the EBP Subbasin has not been subject to significant subsidence despite occurrence of much greater groundwater pumping and lower groundwater levels in the past. In addition, subsidence (extensometer) data collected during the two-month regional aquifer test in 2010 showed only a minimal amount of elastic subsidence. However, additional monitoring and evaluation of subsidence will be needed in the future as projects and management actions are implemented.

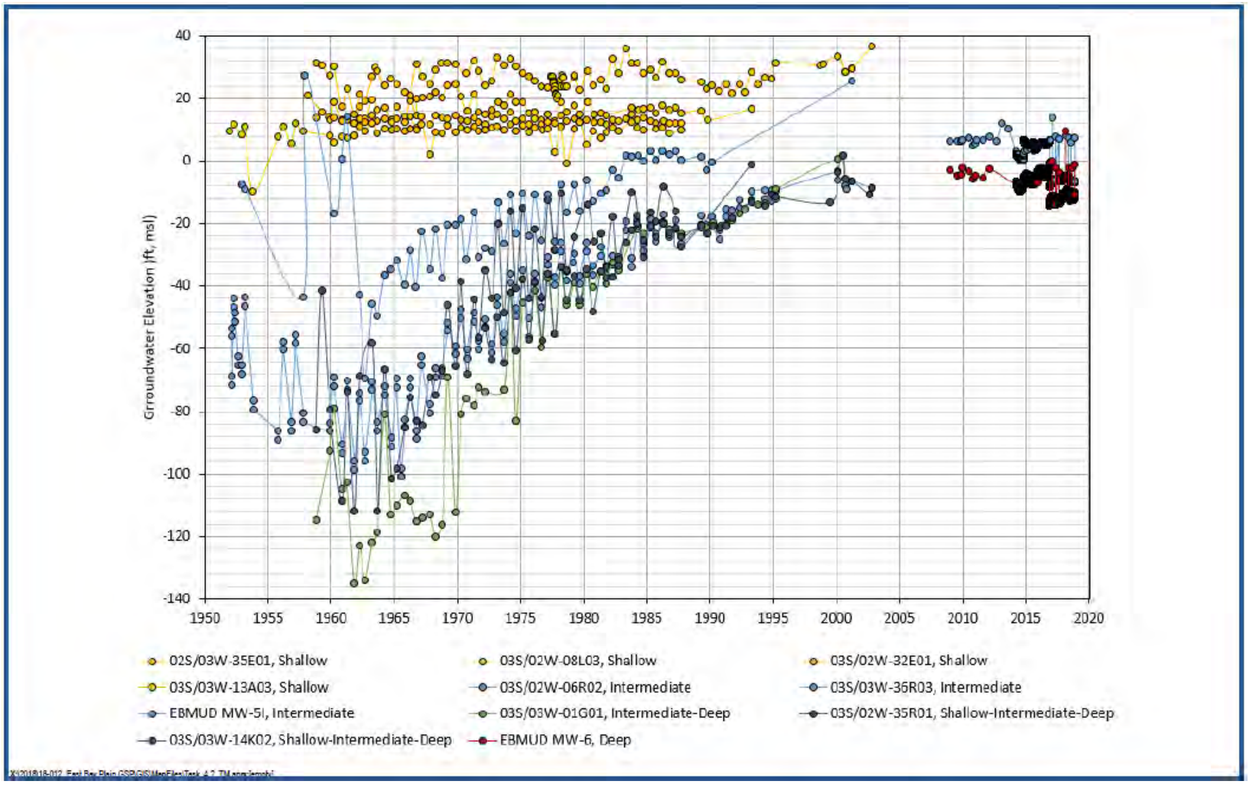

Figure ES-5. Composite Groundwater Hydrograph for Shallow, Intermediate, and Deep Zones in the Southern EBP Subbasin

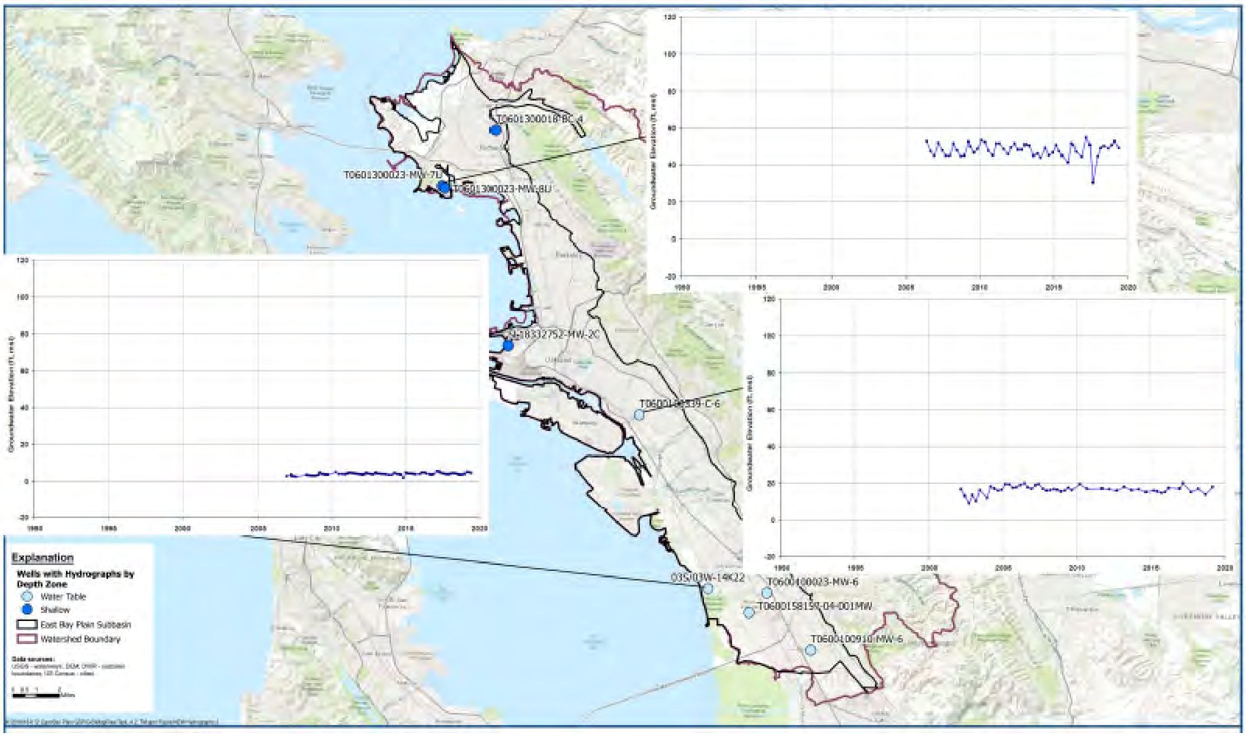

Figure ES-6. Selected Groundwater Hydrographs for Shallow Zone in the EBP Subbasin

ES.3 Water Budget

The water budget evaluated in this study included the following seven components:

- precipitation recharge,
- irrigation recharge,
- leaking water and sewer pipes,
- streamflow infiltration,
- bedrock inflow,
- groundwater pumping, and
- lateral subsurface inflow/outflow.

Inflows	Average Annual (AFY)
Precipitation Recharge	4,800
Excess Irrigation Recharge – Large Parcels	750
Excess Irrigation Recharge – Residential Parcels	1,600
Water Pipe Leaks	4,350
Sewer Pipe Leaks	3,000
Stream Infiltration	2,350
Bedrock Inflow	2,600
Recharge Totals	**19,450**

Total recharge to the EBP Subbasin was estimated to be an average of approximately 19,500 AFY distributed among five major components, while a similar amount of groundwater discharge is estimated to occur via groundwater pumping, subsurface outflow to San Francisco Bay, stream discharge, and sewer pipe outflow. This recharge estimate represents a long-term (i.e., 25 years) average, and the amount of recharge can be expected to vary considerably from year to year. Evaluation of the water balance and review of historical groundwater levels indicates that the EBP Subbasin is in balance with total groundwater recharge approximately equal to total groundwater discharge with no net storage change on an average annual basis. These water budget components will provide the basis for initial inputs to the groundwater model being developed for the GSP, but they will be subject to further evaluation and potential modification during model calibration efforts.

Table ES-2: Summary of Average Annual Historical Water Balance Recharge Components

Inflows	Average Annual (AFY)
Precipitation Recharge	4,800
Excess Irrigation Recharge – Large Parcels	750
Excess Irrigation Recharge – Residential Parcels	1,600
Water Pipe Leaks	4,350
Sewer Pipe Leaks	3,000
Stream Infiltration	2,350
Bedrock Inflow	2,600
Recharge Totals	**19,450**

Table ES-3: Summary of Average Annual Historical Water Balance Discharge Components

Outflows	Average Annual (AFY)
Groundwater Pumping	3,150
Subsurface Outflow to San Francisco Bay	13,500
Stream Discharge and Sewer Pipe Outflow	2,800
Discharge Totals	**19,450**

The future water balance will be evaluated using the model, which will include simulations of EBP Subbasin conditions under scenarios with increased groundwater pumping. It is anticipated that a certain level of increased groundwater pumping can occur under sustainable basin conditions, with commensurate reductions in subsurface outflow to San Francisco Bay and/or stream discharge that do not lead to undesirable results.

1 INTRODUCTION

1.1 Background

Luhdorff & Scalmanini Consulting Engineers (LSCE) and a team of subconsultants (LSCE Team) are working with the East Bay Municipal Utility District (EBMUD) and the City of Hayward (Hayward) to develop a groundwater sustainability plan (GSP) for the East Bay Plain (EBP) Subbasin, which is consistent with the requirements of the California Sustainable Groundwater Management Act (SGMA) and the GSP regulations. SGMA legislation, which was passed in 2014 and initiated in 2015, established a robust framework for sustainable management of groundwater resources by local agencies. EBMUD and Hayward are the two Groundwater Sustainability Agencies (GSAs) covering the EBP Subbasin (established as GSAs in 2016 and 2017, respectively), and are tasked with development, implementation, and enforcement of the GSP for the Subbasin.

GSP regulations (California Code of Regulations, Title 23, Division 2, Chapter 1.5, Subchapter 2, Article 5, Sub article 2) require a description of the Basin Setting, which includes the hydrogeologic conceptual model (HCM; §354.14), groundwater conditions (§354.16), and the water budget (§354.18). In describing the Basin Setting, the LSCE Team has compiled and synthesized available hydrogeological data for the EBP Subbasin. The compiled data were evaluated to conduct a data gaps analysis, and the findings from this analysis were documented in the Subtask 4.1 Technical Memorandum (LSCE, 2020). The purpose of this Subtask 4.2 TM is to document the HCM, groundwater conditions, and the water budget for the EBP Subbasin to comply with the GSP regulations.

This TM is organized to present:

- Section 1: an introduction and background information,
- Section 2: a brief summary of the data sources,
- Section 3: a review and summary of existing reports,
- Section 4: the hydrogeologic conceptual model (i.e., geologic conditions),
- Section 5: groundwater conditions,
- Section 6: the water budget,
- Section 7: an evaluation of the southern EBP Subbasin boundary, and
- Section 8: summary/recommendations.

1.2 Basin Setting

The EBP Subbasin is located along the east side of San Francisco Bay in Alameda and Contra Costa Counties (**Figure 1-1**). It is bordered by San Francisco Bay on the west and north, the East Bay Hills (Diablo Range) on the east, and the Niles Cone Subbasin on the south. The northern EBP Subbasin is generally the area located north of Highway 24/I-580, which runs through Oakland. The southern EBP Subbasin is generally the area located south of Highway 24/I-580. This line of demarcation was selected since it occurs in the middle of the EBP Subbasin and separates an area of generally thicker unconsolidated sediments and greater historical development of groundwater supplies (the southern EBP Subbasin) from an area of thinner unconsolidated sediments with more limited historical groundwater supply development (the northern EBP Subbasin).

Prior to 1950, there was significant agricultural land use in the southern portion of the groundwater basin. However, the entire EBP Subbasin has since become urbanized with a combination of industrial, commercial, and residential development. Groundwater was a primary source of water supply prior to 1930 (along with development of local surface water resources). In the summer of 1929, EBMUD began importing surface water supplies from the Sierras, which have served as a primary source of water supply for most of the EBP Subbasin. Similarly, Hayward depended on groundwater as a primary source of water supply until 1950, when Hayward started receiving surface water supplies from the San Francisco Public Utilities Commission (SFPUC) Hetch Hetchy system. After 1963, this Hetch Hetchy water became essentially the entire municipal water supply and groundwater supply wells were no longer used by the City of Hayward. Groundwater remained a major source of water supply for industrial and residential (irrigation) uses until at least the 1970s. Since the 1980s, groundwater use in the EBP Subbasin has been relatively low to modest, accounting for only about three percent of the total water supply used in the EBP Subbasin.

Based on available data, historical groundwater usage can be correlated to significant decreasing trends in groundwater levels from the pre-1950s (for which minimal data are available) until the mid-1960s. Groundwater levels subsequently recovered through the 1970s, 1980s, and into the 1990s; groundwater levels have been relatively stable since about 2000. As described in Section 2, the availability of certain data (e.g., groundwater levels) reflects historical concerns with declining groundwater levels (prior to the 1990s) compared to more recent years with stable groundwater levels. Historically, groundwater development largely occurred in the southern portion of the groundwater basin, where basin unconsolidated sediments are generally thicker and allow for development of higher capacity wells.

2 DATA SOURCES

Subtask 4.1 involved data compilation and data gaps analyses for the EBP Subbasin. This previous work compiled the data necessary to develop the HCM, groundwater conditions characterization, and the water budget, which are presented herein. The HCM represents geologic conditions in the EBP Subbasin interpreted from the compiled data listed in **Table 2-1** below, which also provides data sources used in characterizing groundwater conditions and the water budget. Please refer to Subtask 4.1 TM for additional information on the data, data quality, and data gaps (LSCE Team, 2020).

Table 2-1: Data Used for Interpreting the HCM

Basin Setting	Data Sources Used
Geologic Conditions (i.e., Hydrogeologic Conceptual Model)	• DWR well completion reports (WCRs)[4] • geophysical logs • previous geologic cross-sections • surface geologic maps, and aquifer properties
Groundwater Conditions	• groundwater levels • groundwater quality and isotopes • subsidence • surface water-groundwater interactions • potential groundwater dependent ecosystems (GDEs)
Water Budget	• precipitation • evapotranspiration • streamflow • land use • soils • groundwater pumping • surface water, recycled water, and stormwater • previous studies

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[4] As a part of the data analysis and interpretation, 22,433 WCRs were analyzed and synthesized to assess the conditions of the EBP Subbasin.

3 REVIEW AND SUMMARY OF EXISTING STUDIES

A variety of studies of the EBP Subbasin have been conducted by the California Department of Water Resources (DWR), United States Geological Survey (USGS), and various consultants (often on behalf of EBMUD, Hayward, and/or Alameda Water District (ACWD), and others). Summaries of several reports are provided in **Appendix A**. The studies noted below provided data and analyses particularly integral to the development of the full Basin Setting for the EBP Subbasin.

3.1 DWR Studies

DWR conducted investigations that were published in the 1960s and 1970s. While these DWR studies primarily focused on seawater intrusion in the Niles Cone Subbasin, several of these studies also covered limited areas of the southern-most portion of the EBP Subbasin and provided general characterization of:

- aquifers and aquitards,
- groundwater levels,
- groundwater quality, and
- evaluation of seawater intrusion mechanisms.

DWR did not conduct any extensive studies for the entire EBP Subbasin.

3.2 USGS Studies

USGS conducted studies of the southern EBP Subbasin in the 2000s and 2010s. These studies included:

- evaluation of geologic conditions, including geophysical studies (seismic reflection survey);
- drilling of borings and construction of monitoring wells;
- drilling and construction of an extensometer station; and
- evaluation of geochemistry and isotopes.

A USGS extensometer station located near the EBMUD Bayside Well provided long-term subsidence monitoring data and valuable short-term subsidence data during an 8-week duration regional aquifer test conducted in 2010. Isotopic analyses conducted by USGS in 2002 and 2003 provided some additional characterization of the transition zone boundary between the EBP Subbasin and the Niles Cone Subbasin. The USGS also drilled boreholes and installed monitoring wells in the southern EBP Subbasin that provided data necessary to develop the Basin Setting.

3.3 Consultant Studies

Important agency/consultant studies were conducted between 1980 and 2015. Some of the key studies include:

- a series of reports prepared by Ken Muir for Alameda County (Berkeley through Hayward portion of the EBP Subbasin) in the late 1980s and 1990s regarding EBP Subbasin hydrogeologic conditions and the water balance,

- a 1998 report prepared by Sandy Figuers of Norfleet consultants documenting the history of water supply development and an analysis of sedimentary depositional environments throughout the entire EBP Subbasin,
- a 2003 report prepared by LSCE in 2003 on behalf of ACWD, City of Hayward, and EBMUD regarding geologic conditions in the southern EBP Subbasin and regional aquifer testing focused on the boundary between EBP and Niles Cone Subbasins, and
- a 2011 report prepared by Fugro Consultants for EBMUD documenting a regional long-term aquifer test in the southern EBP Subbasin.

3.4 Application of Existing Studies

The above-described existing studies of the EBP Subbasin provide a good basis and starting point for the description of the HCM, characterization of groundwater conditions, and quantification of the water balance that are required under SGMA. These existing data and analyses are heavily utilized for the EBP Subbasin GSP, as described in subsequent sections of the TM, along with additional supplemental data acquired and analyzed for this study. A complete list of studies and reports are provided in **Appendix A** and in the References section.

4 HYDROGEOLOGIC CONCEPTUAL MODEL (HCM)

The GSP regulations require a HCM (i.e., physical description of geologic conditions) as a part of the GSP development process. DWR's Best Management Practices (BMP) for a HCM outlines the standard features/components of a HCM. This HCM is developed consistent with these regulations and the BMP, and it is based on technical studies, geologic cross sections, and qualified maps that characterize the physical components and geologic system. Along with geological cross sections and qualified maps, the HCM describes the following:

- regional geologic and structural setting of the basin, and as necessary, the immediate surrounding area for geologic consistency;
- lateral basin boundaries, including major geologic features that significantly affect groundwater flow;
- definable bottom of the basin; and
- principal aquifers and aquitards.

The HCM is particularly important for developing the groundwater model that will be used to help evaluate potential groundwater management actions in the GSP. Each element of the HCM, including the three-dimensional geologic model developed for this study, is described in detail in the following sections of this TM.

4.1 Regional Geologic and Structural Setting

A general surface geologic map (**Figures 4-1a and b**) for the study area delineates surficial sediments in the EBP Subbasin as Quaternary alluvium and marine deposits. **Appendix B** provides more detailed descriptions of the Quaternary alluvium and marine deposits within the Subbasin. Surface geologic units in the EBP Subbasin shown in **Appendix B** include alluvium, artificial fill, intertidal deposits, older alluvium, and dune sand. Older alluvium is most prominent in the Oakland and Berkeley areas, whereas (younger) alluvium is the predominant surface geologic unit in the more northern and southern areas of the Subbasin. Dune sand deposits are present on Alameda Island and adjacent areas of Oakland, and intertidal deposits and artificial fill are prominent in Alameda and areas adjacent to the Bay from Oakland to Hayward.

The regional geologic and structural setting was described in several previous studies; the most comprehensive description was by Figuers (NorFleet Consultants, 1998), which provided a synthesis of many previous studies. Figuers defined three geologic basins in the San Francisco Bay Area: San Pablo Basin, San Francisco Basin, and Santa Clara Basin (**Figure 4-2**). Relative to the EBP Subbasin, the San Pablo Basin incorporates the Richmond area, while the San Francisco Basin incorporates the remainder of the EBP Subbasin.

The regional structural trend is northwest-southeast with the Hayward Fault forming the eastern boundary and the San Andreas Fault along the San Francisco Peninsula forming the western boundary (**Figure 4-3**). San Francisco Bay is situated along the Franciscan synform, which exerted a strong influence over early sediment depositional patterns (**Figure 4-3**). Basement rocks in the study area include graywacke, shale, sandstone, greenstone, mélange, and ultramafic rocks. Figuers stated that a regional structural analysis indicated local uplift west of the Hayward Fault in the Oakland-Berkeley area.

The unconsolidated fill within the San Francisco Basin has an overall thickness of 800 to about 1,000 ft over much of the area, but it is asymmetrical with the deepest portion occurring along the San Francisco Bay shoreline between San Leandro and San Lorenzo. From this deepest portion, the basement surface rises gradually to the west and steeply to the east. The lower 300-500 ft of sediments consists of continental alluvial fan/plain deposits of Merced and Santa Clara Formations and equivalent time units, whereas the overlying sediments are a series of alternating estuarine and alluvial deposits. The unconsolidated fill in the Richmond portion of the San Pablo Basin consists primarily of continental units, but it also has marine and freshwater clay layers in the upper portion of the stratigraphic section.

Figuers (1998) notes that the term *"Alameda Formation"* is used only to apply to the sequence of estuarine muds interbedded with alluvial fan deposits beneath the Bay, and it does not include the alluvial fan units between the Bay and the hills. The Alameda Formation is underlain by continental units of the Santa Clara/Merced Formations consisting of alluvial fan units interbedded with lake, swamp, river channel, and floodplain deposits. Figuers further states,

> *"The deeper alluvial fan material along the east side of the bay has historically been mapped as part of the Alameda, San Antonio, or Temescal Formations. These units are equivalent in time, depositional environment, and lithology with the Santa Clara and/or Merced Formations. Correlations have not yet been made, but we suggest that these units are outcrops of the Santa Clara (and possibly the Merced) Formations. DWR (1967, p. 21) recognized this equivalence, but continued using the traditional names."*

Figuers (1998) includes a series of lithofacies maps, with the earliest map representing Santa Clara/Merced Formation time (**Figure 4-4**). It shows a depositional center beneath the San Lorenzo/San Leandro/Hayward areas that generally corresponds well to the extent of the Deep Aquifer (defined as coarse-grained unconsolidated alluvium at depths greater than 400 ft bgs) in the EPB Subbasin. The report described depositional conditions during this time as being similar to the Sacramento Valley today, with streams carrying sediment from the surrounding hills and depositing it in the depositional center shown on **Figure 4-4**. Coarse-grained material would have been deposited in alluvial fans along the edges of the depocenter with fine-grained sediments being carried to the center of the depocenter.

Depositional conditions in San Francisco Bay and the East Bay Plain shifted after Santa Clara Formation time to be more similar to the pattern seen today. During Alameda Formation time (marine incursion and continental deposits shown in **Figures 4-5 and 4-6**), the outlet to San Francisco Bay was thought to occur via the Colma Channel through South San Francisco and Daly City and north through the western side of San Francisco along the San Andreas Fault. The San Lorenzo, San Leandro, and San Pablo alluvial cones were being deposited at this time along with an unnamed alluvial cone in the Oakland area. Niles Cone was forming to the south and extending to the southern boundary of the EBP Subbasin. The recent and present day depositional lithofacies map is shown in **Figure 4-7**, with the San Francisco Bay outlet through the Golden Gate.

Considerably less is known about the San Pablo Basin to the north that encompasses the Richmond area of EBP Subbasin. Deep boreholes drilled in the 1990s indicate the southern portion of San Pablo Basin is filled primarily by alluvial fan deposits, with estuarine deposits of limited extent. Information on depth to bedrock is limited, but a portion of the Richmond area is apparently up to 600 ft deep. The southern portion of the Richmond area has some bedrock highs that serve to somewhat separate it from the San Francisco Basin to the south. Available boring logs in the Richmond area suggest estuarine clays are present in some areas from 60-125 ft bgs, but they are not likely continuous across the Richmond area. There may not be sufficiently continuous clay layers to create distinct upper and lower aquifers in this area. The primary historical well fields (San Pablo Well Fields 1 and 2) were located between Wildcat and San Pablo Creeks. Recent deep borings suggest a significant gravel layer is present between 100-150 ft bgs that may have been the major aquifer for the well fields, but the lateral extent of the gravel layer was not defined. These well fields lasted only 12 to 16 years due to the localized occurrence of brackish/saltwater intrusion (Figuers, 1998).

In summary, regional geology and structural setting for the EBP Subbasin, along with the depositional history, were described in detail in a previous report (Figuers, 1998). The EBP Subbasin has a major regional fault (Hayward Fault) along its eastern margin, and it lies within a geologic depression that resulted in deposition of unconsolidated sediments and formation of San Francisco Bay along the western margin of the Subbasin. The study conducted by Figuers also described the depositional history of the EBP Subbasin, showing the locations of the major depositional centers and alluvial cones over geologic time. This depositional history differentiates the likely different sources for Deep Aquifer Zone sediments in the EBP Subbasin (depocenter in **Figure 4-4**) versus the Niles Cone Subbasin (Niles Cone in **Figures 4-5, 4-6, and 4-7**). It also helps substantiate structural differences (confined vs. unconfined) and stratigraphic relationships in the transition zone between the two subbasins (described further in Section 7).

4.2 3-D Geologic Model Database

The 3-D geologic model database developed for Subtask 4.2 builds upon work conducted and presented in the Subtask 4.1 TM. A subset of DWR WCRs obtained for the EBP Subbasin were digitized into an Excel database, which forms the foundation for the 3-D geologic model database (LSCE, 2020). The geographic distribution of these WCRs is displayed in **Figure 4-8** and **Appendix C-1**. Additional description of the 3-D geologic model database is provided in **Appendix C-2**.

4.3 Subbasin Boundaries

The lateral boundaries of the EBP Subbasin were defined by DWR's evaluation and interpretation of hydrogeologic and jurisdictional boundaries. The vertical boundaries can be defined by lithologic logs from drilling boreholes, wells, and delineation of aquifers and aquitards. The lateral and vertical EBP Subbasin boundaries are described in more detail below.

4.3.1 Lateral Boundaries

DWR defines the lateral Subbasin boundaries as follows,

> *"…a northwest trending alluvial plain bounded on the north by San Pablo Bay, on the east by the contact with Franciscan Basement rock, on the south by the Niles Cone Groundwater Basin. The East Bay Plain Basin extends beneath San Francisco Bay to the west."* (DWR, 2003).

A map of topography for the EBP Subbasin and surrounding watershed is provided in **Figure 4-9** with an outline of the Subbasin boundaries. A surface geology map of the EBP Subbasin was also reviewed in comparison to EBP Subbasin boundaries defined by DWR, as displayed in **Figure 4-1**.

The actual western hydrogeologic boundaries of the EBP Subbasin aquifers beneath San Francisco Bay are not well defined. It is likely that the Deep Aquifer Zone extends a significant distance to the west beneath San Francisco Bay in the southern portion of the EBP Subbasin, while shallower aquifers likely do not extend as far to the west beneath the Bay. To the east, the Hayward Fault generally separates older consolidated/fractured bedrock from more recent unconsolidated alluvium and forms the distinct eastern boundary of the subbasin. The southern hydrogeologic boundary of the subbasin occurs within the transition zone defined by LSCE (2003). However, a recent jurisdictional basin boundary modification (2016) moved the boundary farther north along the western portion of the southern boundary. Additional discussion of the southern EBP Subbasin hydrogeologic boundary is provided in Section 7.

4.3.2 Vertical Boundaries

DWR states, *"The East Bay Plain subbasin aquifer system consists of unconsolidated sediments of Quaternary age…The cumulative thickness of the unconsolidated sediments is about 1,000 ft…"* (DWR, 2003). The vertical extent of the Subbasin was further evaluated in terms of the depth to bedrock and relative to delineation of major aquifers/aquitards. A map of top of bedrock elevation contours beneath the subbasin is provided in **Figure 4-10**. The map of bedrock elevation contours generally shows that the deepest portion of the Subbasin is located along the San Francisco Bay shoreline between Bay Farm Island and Hayward, with depths slightly greater than 1,000 ft bgs. The area of greatest depths to bedrock are south of Oakland and extend beneath San Francisco Bay to the west. Between Bay Farm Island and Hayward, the depths to bedrock gradually decrease towards the east to about 600 ft bgs, and then decrease rapidly from that point to the Hayward Fault, which forms the eastern boundary of the Subbasin. Subbasin areas north of Oakland are generally less than 400 ft deep and in much of the northern EBP Subbasin less than 200 ft to bedrock. The shallowest portion of the basin occurs in Albany and El Cerrito, and then it deepens somewhat in the Richmond area where depths to about 600 ft to bedrock are present in some areas.

In the southern portion of the Subbasin (south of Alameda Island), the Deep Aquifer (i.e., primary coarse-grained sediments within the Deep Aquifer Zone) generally is considered to be the deepest aquifer present in the EBP Subbasin. Depths to the base of the Deep Aquifer generally range up to 650 ft bgs. At several locations where deeper boreholes were drilled, sediments below the Deep Aquifer were generally described (and/or indicated on geophysical logs) as fine-grained, although some thin discontinuous beds of coarse-grained units are indicated on some logs.

4.4 Major Aquifers and Aquitards

Major aquifers and aquitards were identified using available WCRs, geophysical logs (**Figure 4-11**), and key cross-sections from previous studies (see **Appendices D-1 through D-3)**. Geophysical logs were used extensively (where available) in development of cross-sections and assessment of the aquifers and aquitards in the work summarized in **Appendix D**. It is important to note, for example, that although geophysical log resistivity curves (i.e., electrical logs or Elogs) are not shown explicitly in the final work products in **Appendix D2** (LSCE, 2003), Elogs were instrumental in delineating the distribution of fine- and coarse-grained units/packages depicted in those cross-sections. A description of aquifers and aquitards within the southern and northern portions of the EBP Subbasin is provided below.

The water-bearing deposits in the EBP Subbasin are generally comprised of unconsolidated alluvium ranging in depth from less than 100 ft to slightly greater than 1,000 ft. The unconsolidated alluvium consists of clay, silt, sand, and gravel, along with various combinations of these major sediment size categories. The primary aquifers are comprised of the coarser-grained sand and gravel deposits. The sand and gravel layers are generally discontinuous and interbedded with more abundant fine-grained clay and silt layers.

The one major exception to this description of the unconsolidated alluvium is the occurrence of the relatively thick and continuous Deep Aquifer unit between southern San Leandro and Hayward. Sediments comprising the Deep Aquifer Zone in the EBP Subbasin appear to occur within the upper portion of the Santa Clara Formation equivalent time period, and they were deposited in a depositional center located along the eastern portion of San Francisco Bay and the western portion of the EBP Subbasin south of Oakland (**Figure 4-4**).

4.4.1 Description of Aquifers and Aquitards in the Southern EBP Subbasin

The unconsolidated alluvium in the Southern EBP Subbasin has been divided into a Shallow Aquifer Zone (0-200 ft bgs), an Intermediate Aquifer Zone (200-400 ft bgs), and a Deep Aquifer Zone (greater than 400 ft bgs). The aquifers (i.e., coarse-grained units) in the shallow and intermediate zones are generally limited in occurrence and discontinuous in extent. While significant historical production was achieved in the Shallow Aquifer Zone in some areas of the EBP Subbasin in certain wellfields near San Francisco Bay as documented by Figuers (1998), it was generally necessary to install several wells in each wellfield to achieve significant overall production. Furthermore, some of these shallow wellfields experienced seawater intrusion that limited their production or caused abandonment of the wellfield.

The primary aquifers within the upper 400 ft of sediments in the southern portion of the EBP Subbasin are associated with alluvial cone sediments deposited during the Alameda Formation time period (**Figures 4-5** and **4-6**). The San Lorenzo alluvial cone extends from EBMUD monitoring wells (MW-5 and MW-7) on the west, to Farmhouse monitoring well and slightly beyond on the north, to Hayward Well D on the south, and incorporates EBMUD monitoring well MW-9 in the northeastern portion of the cone. There is about a 1.5 mile perpendicular width and 3.5 miles longitudinal length of overlap with the Santa Clara Formation time period depocenter.

The western extent of the San Leandro alluvial cone is just east of EBMUD monitoring well MW-8, just southeast of the Oakland Coliseum (EBMUD Oakport site is about 0.5 to 1 mile northwest of the cone), and generally bounded by 90th Avenue on the north and Dutton Avenue on the south in the eastern area of the cone. There is about a one mile perpendicular width and three miles longitudinal length of overlap with the Santa Clara Formation time period depocenter.

More extensive coarse-grained units are present in the deep zone, which is the primary depth zone screened in historical and current production wells in the southern EBP Subbasin. Coarse-grained units are particularly productive in the deep zone between southern San Leandro and Hayward, where the Deep Aquifer is continuous and hydraulically connected. EBMUD's Bayside Well and Hayward's production wells are primarily screened in the Deep Aquifer Zone.

The southern EBP Subbasin has been well characterized by geologic cross-sections from previous reports (e.g., reports prepared by CH2M Hill (**Appendix D-1**) and LSCE (**Appendix D-2**). The CH2M Hill (2000) report (**Appendix D-1**) includes six geologic cross-sections with A-A' extending from Oakland in the northwest to Hayward in the southeast. CH2M Hill geologic cross-sections from San Francisco Bay to the Hayward Fault include B-B' through the Alameda/Oakland area in the north to F-F' along the San Mateo Bridge/Hayward area in the south. Cross-Section B-B' in the Alameda/Oakland area (**Appendix D-1**) shows a relatively large area of coarse-grained deposits from ground surface to depths of about 100 ft in the western portion that represents the Merritt Sand. Another coarse-grained unit is present in the middle portion of the cross-section at about 200 to 350 ft bgs, while the maximum depth to bedrock is at elevation -500 ft MSL.

CH2M Hill geologic cross-sections C-C' through E-E' (**Appendix D-1**) cover the San Leandro/San Lorenzo areas and indicate several coarse-grained units with variable continuity are present in the depth interval from about 200 to 800 ft bgs, with more limited coarse-grained units in the upper 200 ft. The base of unconsolidated deposits extends to as deep as -1,000 ft MSL in these three cross-sections. A notable feature of all these cross-sections is that there is generally a thick zone of fine-grained sediments between the bottom of San Francisco Bay and the primary aquifer units in the intermediate and deep zones.

The southernmost CH2M Hill geologic cross-section F-F' (**Appendix D-1**) is aligned with the San Mateo Bridge in the Hayward area. It utilizes borehole data along the bridge and provides an indication of sediment characteristics beneath San Francisco Bay. This cross-section shows several coarse-grained units in the depth interval from about 250 to 600 ft bgs. Two prominent coarse-grained units are indicated to be continuous extending beneath San Francisco Bay from Hayward between -400 and -600 ft MSL; however, there is a long distance between boreholes indicating uncertainty in this correlation.

CH2M Hill geologic cross-section A-A' (**Appendix D-1**) extends from the Lake Merritt area of Oakland in the north to Hayward in the south. This cross-section demonstrates the continuity of coarse-grained units in the Deep Aquifer Zone; these units are most prominent in the zone from about -500 ft to -650 ft MSL in the Bayside Well (Oro Loma) area and shallower towards the south and in the depth interval from -375 to -525 ft MSL at the southern end of the cross-section. Coarse-grained units in the shallow and intermediate depth zones (less than 400 ft bgs) are generally thinner and less continuous, with the exception of a thick coarse-grained unit in the -100 to -250 ft msl interval in the Oakland area adjacent to the southern end of Alameda Island.

The geologic cross-sections developed by LSCE (2003) are more detailed in terms of subdividing units within a coarse-grained unit, particularly for the Deep Aquifer. This study also identified the presence of the transition zone at the boundary between EBP Subbasin and Niles Cone Subbasin. These cross-sections are provided in **Appendix D-2**, which also includes the detailed description of these cross-sections provided in LSCE (2003). These previous LSCE cross-sections are also described in more detail in Section 7 of this TM.

The Deep Aquifer is the primary water supply aquifer in the southern EBP Subbasin, and the estimated extent of the continuous portion of the EBP Subbasin Deep Aquifer within the southern EBP Subbasin is shown in **Figure 4-12.** As shown in **Figure 4-12**, the Deep Aquifer was not found to be present at EBMUD MW-9 (approximately three miles east of Bayside Well) where bedrock was encountered at approximately 400 ft bgs. Thus, the Deep Aquifer appears to pinch out between EBMUD Farmhouse monitoring well and EBMUD MW-9. The Deep Aquifer is well developed and hydraulically connected at EBMUD MW-10 (approximately 1.25 miles north of Bayside Well) and appears to be potentially present at shallower depths at the EBMUD Davis Street monitoring well (MW-8). However, EBMUD regional pumping test results indicated that hydraulic connection with the Davis Street monitoring well (approximately 3.7 miles north of Bayside Well) does not exist. Accordingly, the main portion of the Deep Aquifer appears to pinch out between EBMUD MW-10 and the Davis Street well, or approximately two to three miles north of the Bayside Well. The Deep Aquifer likely extends at least a similar distance to the west of the Bayside Well beneath San Francisco Bay. The EBP Subbasin Deep Aquifer extends to the south-southeast approximately 4.5 to 5 miles before encountering the transition zone at the southern boundary of the Subbasin.

The extent of the Deep Aquifer in the southern EBP Subbasin and in the transition zone between EBP Subbasin and Niles Cone Subbasin was studied in detail by LSCE (2003), Fugro (2011), and in this Subtask 4.2 TM (Section 7). Geologic cross-sections and hydraulic data clearly indicate the Deep Aquifer is continuous to the transition zone defined by LSCE (2003). LSCE (2003) geologic cross sections (**Appendix D-2**) showed that the Deep Aquifer passes through a transition zone where the Deep Aquifer layers within the EBP Subbasin appear to pinch out but are interbedded and overlain by Deep Aquifer layers of the Niles Cone Subbasin. The southern hydrogeologic boundary is discussed in greater detail in Section 7 of this TM.

4.4.2 Description of Aquifers and Aquitards in the Northern EBP Subbasin

Available data for the northern portion of the EBP Subbasin were analyzed to evaluate the distribution of aquifers and aquitards in this area. The cross-section location map and each cross-section are provided in **Appendix D-3**. Three available cross-sections in the Richmond area (CH2M Hill, 2001, Figures 3-6, 3-7, and 3-8) show multiple discontinuous coarse-grained units extending from elevations of approximately -50 to 400 ft MSL, with a maximum depth of unconsolidated deposits between -500 and -600 ft MSL. A notable relatively thick and continuous (over at least two miles) coarse-grained unit is present in Cross-Section B-B' (Figure 3-7 of CH2M Hill 2001) between -200 and -300 ft MSL.

Two cross-sections in the Emeryville/Berkeley area (CH2M Hill, 2001, Figures 6-7 and 6-8) have very limited borehole data but show multiple discontinuous coarse-grained units extending from elevations of approximately -25 to -300 ft MSL, with a maximum depth of unconsolidated deposits extending to -400 ft MSL. Between Berkeley and Richmond, the depth to bedrock in the northern EBP Subbasin is less than 200 ft as shown on **Figure 4-10**. Previous studies reviewed for this study do not include geologic cross-sections in this area of shallow depth to bedrock. Data reviewed for this study indicate that borehole data are generally lacking in this area and insufficient to develop cross-sections.

Planned installation of nested monitoring wells in 2021 will provide additional data to refine the current understanding of aquifers and aquitards in the northern and southern EBP Subbasin.

4.4.3 Summary of Major Aquifers and Aquitards

The major aquifers and aquitards of the EBP Subbasin have been subdivided into a Shallow Aquifer Zone (0 to 200 ft bgs), Intermediate Aquifer Zone (200 to 400 ft bgs), and Deep Aquifer Zone (greater than 400 ft bgs). In general, all three zones are present in the southern EBP Subbasin; however, only the Shallow Zone or the Shallow and Intermediate Zones are present over most of the northern EBP Subbasin. Within each designated zone, there are combinations of fine- and coarse-grained units, with the coarse-grained units generally being discontinuous and comprising a smaller portion of the total sediment thickness. The major exception to this is in the upper portion of the Deep Aquifer Zone in the southern EBP Subbasin, where coarse-grained units (i.e., the Deep Aquifer) tend to be relatively thick and continuous (**Figure 4-13**). The occurrence of a much shallower depth to bedrock and less frequent occurrence of coarse-grained units in the northern EBP Subbasin is illustrated in **Figure 4-14** for the Richmond area and in northern portion of **Figure 4-15**, which covers the area between Berkeley (in the northern EBP Subbasin) and San Leandro (in the southern EBP Subbasin). These three cross sections also illustrate the occurrence of only the Shallow or Shallow/Intermediate Zones in the northern EBP Subbasin, as compared to the presence of all three depth zones over most of the southern EBP Subbasin. This designation of Shallow, Intermediate, and Deep Aquifer Zones is applied in Section 5 to classify groundwater level and quality data, and will be a starting point for evaluation of model layering in Subtask 4.4 (Model Development and Calibration).

4.5 Aquifer Parameters

Aquifer parameters (e.g., transmissivity, hydraulic conductivity and storativity) are key elements of the HCM. A description of the data used to evaluate aquifer parameters follow.

Aquifer property data include data from specific capacity tests from WCRs and other sources, regional aquifer tests conducted by LSCE (2003) and Fugro (2011), individual well aquifer tests on EBMUD test wells with paired observation wells (e.g., Davis Street wells, Farmhouse wells) and Hayward wells (e.g., Well B, Well C), and aquifer tests from previous studies (e.g., SCI/Todd, 1999). Slug tests and core sample permeability tests were also conducted by USGS on selected EBMUD wells, which were are also incorporated into the interpretation of the basin setting.

4.5.1 Laboratory and Slug Test Data

The USGS (2015) conducted laboratory tests of vertical hydraulic conductivity and slug tests for horizontal hydraulic conductivity in various EBMUD monitoring wells. Laboratory core testing by USGS was conducted on the EBAY nested monitoring well borehole located adjacent to the extensometer. Lab tests of vertical K were conducted on 20 samples of clay, silty clay, sandy clay, and gravelly clay at depths ranging from 39 to 1,034 ft bgs. Lab results ranged from 0.0006 to 23.7 centimeters/day (cm/d) or 0.00002 to 0.8 ft/d, with a geometric mean of 0.04 cm/d (0.0013 ft/d). It should be noted that these laboratory K values are for clay dominated zones in the stratigraphic column and may not account for larger scale preferential vertical flow paths nor do they account for the possible influence of improperly abandoned wells.

Slug tests were performed by USGS (2015) in several monitoring wells including nine wells in the primary coarse-grained unit in the Deep Aquifer Zone, three wells in the Shallow Aquifer Zone, and one well in the Intermediate Aquifer Zone. Shallow Aquifer Zone slug test results provided a range in K values from 0.34 to 5.6 ft/d, with a geometric mean of 2.0 ft/d. The one Intermediate Aquifer Zone well yielded a K value of 14 ft/d. Slug tests in the monitoring wells screened in the coarse-grained unit of the Deep Aquifer Zone provided a range of K values from 9 to 120 ft/d, with a geometric mean of 28 ft/d. In addition, one monitoring well (at the EBAY site) screened in the (finer-grained) deeper portion of the Deep Aquifer Zone (830 to 860 ft bgs) provided a K value of 9.6 ft/d. All of the monitoring wells used for slug tests by USGS were located within about 3,700 ft of the Bayside well, with the exception of the Farmhouse well located about 10,000 ft east of the Bayside well. The slug test results generally yielded lower K values than are indicated by aquifer test results for the coarse-grained unit in the Deep Aquifer Zone.

4.5.2 Specific Capacity Data

Locations of wells with specific capacity data are shown on **Figure 4-16**. Wells with specific capacity data are divided into North EBP, South EBP, North East Bay Hills, South East Bay Hills, and Niles Cone, and the data are summarized in **Table 4-1**. Highway 580/24 is used as the demarcation line between North EBP and South EBP and between North East Bay Hills and South East Bay Hills. In general, specific capacity data availability is good in the southern portion of the Subbasin; but it is limited to poor in the northern portions of the Subbasin.

4.5.2.1 Specific Capacity Data for Bedrock Wells

Specific capacity data for bedrock wells were separated from specific capacity data for wells screened in unconsolidated alluvium within the defined groundwater subbasin boundaries. The bedrock specific capacity data were categorized into East Bay Hills North (north of Highway 24) and East Bay Hills South (South of Highway 24). Specific capacity data for low-yielding bedrock wells were converted to transmissivity values by multiplying specific capacity values by 1,000 to yield transmissivity in gpd/ft. The transmissivity values were then divided by screen interval lengths (distance between top of screen and bottom of screen intervals) to obtain hydraulic conductivity values. A total of six bedrock wells located within the East Bay Hills North area yielded a geometric mean hydraulic conductivity value of approximately 0.2 ft/day. A total of 27 bedrock wells located in the East Bay Hills South area yielded a geometric mean hydraulic conductivity value of about 0.2 ft/day. These calculated K values are used in Section 6 to develop an estimate of inflow from fractured bedrock to the Subbasin.

Table 4-1: Summary of Specific Capacity Data

Well Log ID	Township / Range	Section	Subbasin Location	Date	Flow rate (gpm)	SWL (ft bgs)	Drawdown (ft)	Specific Capacity (gpm/ft)	Duration (hours)	Transmissivity (gallons/day/foot)	Top Perforation (ft bgs)	Bottom Perforation (ft bgs)	Hydraulic Conductivity 1 (ft/day)	Perforation Length (ft)	Hydraulic Conductivity 2 (ft/day)
42253	01N03W	32Q	East Bay Hills North	4/23/1981	1.25	30	160	0.01	2	8	40	200	0.01	160	0.01
103077	01N04W	2	East Bay Hills North	8/15/1977	5	30	25	0.20		200	20	100	0.33	80	0.33
168562	01N04W	22D	East Bay Hills North	10/26/1987	2	16	84	0.02	4	24	10	100	0.04	90	0.04
33165	01S03W	6N2	East Bay Hills North	8/8/1978	13	135	69	0.19	1.5	188	156	200	0.57	44	0.57
340582	01S04W	12H2	East Bay Hills North	1/19/1991	44.16	30	29.8	1.48	2	1,482	70	180	1.80	50	3.96
942315	02N04W		East Bay Hills North	9/5/2008	20	94	63	0.32	4	317	140	300	0.27	140	0.30
66218	01S03W	16L2	East Bay Hills South	7/3/1980	40	7	193	0.21	1	207	215	275	0.46	60	0.46
17305	01S03W	29D8	East Bay Hills South	12/14/1988	60	50	160	0.38	1	375	98	218	0.42	120	0.42
210795	01S03W	20N7	East Bay Hills South	7/29/1988	17	63	138	0.12	1	123	107	187	0.21	80	0.21
210447	01S03W	29C2	East Bay Hills South	8/19/1988	50	79	68	0.74	1.5	735	80	146	1.49	46	2.14
17269	01S03W	20P6	East Bay Hills South	3/17/1989	60	84	132	0.45	1	455	131	232	0.60	101	0.60
291317	01S03W	30B2	East Bay Hills South	3/21/1989	13	30	200	0.07	1	65	110	230	0.07	100	0.09
345813	01S03W	30A5	East Bay Hills South	3/28/1991	25	30	50	0.50	1	500	40	200	0.42	160	0.42
375954	01S03W	20N9	East Bay Hills South	11/5/1991	50	29	151	0.33	0.5	331	57	197	0.32	120	0.37
375971	01S03W	29D11	East Bay Hills South	5/17/1991	75	65	115	0.65	0.5	652	75	185	0.79	100	0.87
428849	01S03W	9	East Bay Hills South	12/13/1991	80	84.5	132	0.61	72	606	200	510	0.26	270	0.30
410339	01S03W	18Q1	East Bay Hills South	12/23/1992	20	38	100	0.20	4	200	65	185	0.22	60	0.45
413120	01S03W	20K3	East Bay Hills South	6/26/1992	25	60	200	0.13	1	125	65	405	0.05	340	0.05
413184	01S03W	19Q5	East Bay Hills South	11/4/1992	100	51	225	0.44	1	444	55	275	0.27	220	0.27
945651	01S03W	19K	East Bay Hills South	5/19/2009	35	115	300	0.12	2	117	220	300	0.19	80	0.19
376013A	01S04W	24H1	East Bay Hills South	5/7/1991	100	70	285	0.35	3	351	141	361	0.21	220	0.21
271570	02S02W	34D1	East Bay Hills South	6/7/1988	45	50	170	0.26	1	265	95	235	0.25	140	0.25
345861	02S02W	30D04M	East Bay Hills South	7/21/1991	20	30	120	0.17	1	167	40	160	0.19	120	0.19
299140	02S03W	1K1	East Bay Hills South	6/14/1988	25	30	120	0.21	1	208	50	230	0.15	100	0.28
323461	02S03W	1Q3	East Bay Hills South	9/21/1989	18	185	35	0.51	1	514	208	268	1.15	60	1.15
291724	02S03W	2C1	East Bay Hills South	7/11/1990	20	34	266	0.08	1	75	40	300	0.04	260	0.04
WCR2017-000963	03S01W	30	East Bay Hills South	3/22/2017	80	148	75.3	1.06	8	1,062	160	600	0.32	340	0.42
WCR2016-005984	03S01W	30	East Bay Hills South	5/26/2016	41	80	185	0.22	3	222	100	580	0.06	400	0.07
WCR2017-001248	03S01W	29	East Bay Hills South	4/20/2017	58.5	93.4	88.6	0.66	8	660	180	460	0.32	260	0.34
84841	03S02W	26G1	East Bay Hills South	8/1/1980	12	185	95	0.13	3	126	148	402	0.07	152	0.11
62544	03S02W	4H2	East Bay Hills South	8/22/1980	18	36	34	0.53	1	529	30	220	0.37	190	0.37
162805	03S02W	26H1	East Bay Hills South	9/10/1984	5	100	405	0.01	1.5	12	105	525	0.00	80	0.02
237634	03S02W	16A2	East Bay Hills South	1/23/1984	15	6.75	70.17	0.21	8	214	113	143	0.95	30	0.95
149304	01N04W	3	EBP North	4/14/1978	200	2	10	20.00	8	40,000	162	243	66.02	45	118.84
811709	01N04W		EBP North	9/19/2003	0.5	20	140	0.00	4	7	50	140	0.01	90	0.01
7479	01N05W	12F	EBP North	10/14/1954	150	16	54	2.78	8	5,556	100	250	4.95	112	6.63

Table 4-1: Summary of Specific Capacity Data

Well Log ID	Township / Range	Section	Subbasin Location	Date	Flow rate (gpm)	SWL (ft bgs)	Drawdown (ft)	Specific Capacity (gpm/ft)	Duration (hours)	Transmissivity (gallons/day/foot)	Top Perforation (ft bgs)	Bottom Perforation (ft bgs)	Hydraulic Conductivity 1 (ft/day)	Perforation Length (ft)	Hydraulic Conductivity 2 (ft/day)
162141	01N05W	1P	EBP North	8/1/1984	20	6	4	5.00	72	10,000	22	200	7.51	178	7.51
42252	01S04W	11K1	EBP North	12/15/1980	12	35	155	0.08	4	155	50	200	0.14	150	0.14
34558	01S04W		EBP South	11/21/1955	20	56	144	0.14	72	278	154	708	0.07	175	0.21
33557	01S04W	34F4	EBP South	8/18/1962	800		107	7.48	26.5	14,953	200	380	11.11	180	11.11
122158	02S03W	19D	EBP South	7/26/1966	1150		115	10.00	208	20,000	156	576	6.37	216	12.38
01-1337	02S03W	34L	EBP South	8/9/1952	137.5	60	178	0.77	172.5	1,545	175	598	0.49	255	0.81
88207	02S03W	21J2	EBP South	10/26/1976	930	59	161	5.78	72	11,553	130	240	14.04	110	14.04
01-1306	02S03W	10Q1	EBP South	3/9/1951	310	96	96	3.23	30	6,458	90	393	2.85	303	2.85
01-1325	02S03W	21J/R	EBP South	10/29/1952	1060	62	71	14.93		29,859	200	584	10.40	384	10.40
01-1359	02S03W	36M	EBP South	4/5/1952	162.5	34	88	1.85	36	3,693	46	342	1.67	84	5.88
24537	02S03W	26Q2	EBP South	7/1/1954	990		126	7.86	170	15,714	150	694	3.86	544	3.86
26386	02S03W	19K1	EBP South	10/25/1955	1600	85	116	13.79	96	27,586	200	502	12.21	302	12.21
122173	02S03W	26E	EBP South	11/8/1966	530		80	6.63	52	13,250	113	293	9.84	130	13.63
123408	02S03W	16R1	EBP South	11/7/1977	1000	92.5	132	7.58	2	15,152	324	479	13.07	45	45.01
4391	02S03W	22Q1	EBP South	9/19/1956	1200	115	40	30.00	12	60,000	175	592	19.24	417	19.24
33160	02S03W	35P1	EBP South	9/6/1978	250	15	30	8.33	65	16,667	40	272	9.60	72	30.95
181508	02S03W	34K7	EBP South	4/21/1986	142	46.88	11.22	12.66	2	25,312	230	450	15.38	170	19.91
325232	02S03W	34R	EBP South	1/17/1990	275	20	103	2.67	5	5,340	58	142	8.50	46	15.52
496849	02S03W	34R12	EBP South	2/22/1993	300	39	148	2.03	24	4,054	210	610	1.35	60	9.03
62505	03S02W	28P4	EBP South	3/28/1978	170	12	9	18.89	3	37,778	25	200	28.86	175	28.86
88171	03S02W	21E4	EBP South	10/11/1974	225		35	6.43		12,857	67	165	17.61	82	20.89
24187	03S02W	34G4	EBP South	12/28/1956	850		29	29.31	55.5	58,621	117	510	19.94	197	39.78
6318	03S02W	32H2	EBP South	10/27/1956	800	125	24	33.33	24	66,667	450	521	125.53	49	181.89
01-1572	03S02W		EBP South	12/16/1948	750	120	80	9.38		18,750	227	732	4.96	505	4.96
34534	03S02W	29A3	EBP South	11/21/1955	190		120	1.58	143	3,167	116	362	1.72	78	5.43
01-1582	03S02W	21F1	EBP South	5/7/1951	250	61	98	2.55	8	5,102	70	306	2.89	76	8.97
62507	03S02W	21D3	EBP South	5/26/1978	135	36	30	4.50	6	9,000	40	220	6.68	180	6.68
107558	03S02W	17K2	EBP South	7/1/1965	790	125	79	10.00	30	20,000	250	510	10.28	105	25.46
ACWD1771	03S02W	7G3	EBP South	9/21/1951	213	20	98	2.17	144	4,337	142	250	5.37	42	13.80
01-1544	03S02W	18J	EBP South	9/18/1953	20	55	1	20.00	24	40,000	175	190	356.51	15	356.51
6323	03S02W	35R1	EBP South	9/11/1957	955	39	258	3.70	60	7,403	114	565	2.19	47	21.06
305413	03S02W		EBP South	2/1/1989	30	49	6	5.00	4	10,000	152	232	16.71	80	16.71
364914	03S02W	6R4	EBP South	1/9/1991	75	24	15	5.00	34	10,000	274	304	44.56	20	66.84
378635	03S02W	7G11	EBP South	8/12/1991	350	52	41	8.54	24	17,073	250	590	6.71	160	14.27
494869	03S02W	29R9	EBP South	9/29/1993	60	23	60	1.00	1	2,000	65	205	1.91	40	6.68
120852	03S03W	12Q	EBP South	10/20/1964	750		25	30.00	25	60,000	136	460	24.76	218	36.80

Table 4-1: Summary of Specific Capacity Data

Well Log ID	Township / Range	Section	Subbasin Location	Date	Flow rate (gpm)	SWL (ft bgs)	Drawdown (ft)	Specific Capacity (gpm/ft)	Duration (hours)	Transmissivity (gallons/day/foot)	Top Perforation (ft bgs)	Bottom Perforation (ft bgs)	Hydraulic Conductivity 1 (ft/day)	Perforation Length (ft)	Hydraulic Conductivity 2 (ft/day)
62015	03S03W	1R	EBP South	1/25/1962	1160		13	89.23	55	178,462	112	576	51.42	80	298.23
271573--002	03S03W	14H4	EBP South	6/13/1988	135	12	23	5.87	1	11,739	60	320	6.04	100	15.69
WCR2017-000320	03S03W	24	EBP South	8/15/2016	75	0	126	0.60	1.5	1,190	120	195	2.12	65	2.45
01_2929	04S02W	4D	EBP South	10/1/1941	844		58.4	14.45	0.5	28,904	433	442	429.35	9	429.35
62420	04S03W		EBP South	4/15/1964	120		12	10.00	69.25	20,000	200	496	9.03	156	17.14
7382	04S01W	7R	Niles Cone	2/8/1955	700	102	38	18.42	8	36,842	102	220	41.74	60	82.09
56652	04S02W	10N	Niles Cone	7/1/1959	2000	49	17	117.65	24	235,294	275	568	107.36	95	331.12
01_2924	04S02W	4C5	Niles Cone	1/9/1940	830	33	18.7	44.39		88,770	302	523	53.70	27	439.54
120873	04S02W	12H1	Niles Cone	6/24/1965	1800		15	120.00	91.5	240,000	171	518	92.47	220	145.84
120863	04S02W	12A	Niles Cone	3/12/1965	450	140	62	7.26	337.5	14,516	213	422	9.29	44	44.11
24177	04S02W	14Q3	Niles Cone	8/29/1956	825	65	11	75.00	48	150,000	271	449	112.66	42	477.46
62018	04S02W	12C1	Niles Cone	1/2/1962	1300	155	120	10.83	650.5	21,667	95	487	7.39	95	30.49
01_2930	04S02W	4E1	Niles Cone	1/4/1939	770	31	13.8	55.80		111,594	299	554	58.51	44	339.07
16657	04S02W	2N1	Niles Cone	9/5/1977	178	32.05	1.01	175.80	0.5	351,605	350	410	783.43	60	783.43
45880	04S02W	12A	Niles Cone	6/25/1970	272	143	126	2.16	26	4,317	377	494	4.93	100	5.77
24178	04S02W	5A14	Niles Cone	9/6/1956	1800		56	32.14	371	64,286	150	523	23.04	228	37.69
210368--001	04S02W	3L1	Niles Cone	10/6/1988	600	33.72	10.28	58.37	6	116,732	367	442	208.08	60	260.10
421201	04S02W	4F6	Niles Cone	8/13/1992	1900	25	255	7.45	12	14,902	358	372	142.30	14	142.30
497073	04S02W	4F6	Niles Cone	8/13/1992	1900	25	255	7.45	12	14,902	372	534	12.30	78	25.54

4.5.2.2 Specific Capacity Data for Alluvium Wells

Specific capacity data obtained from WCRs for wells screened in unconsolidated alluvium were reviewed, and specific capacity data were converted to transmissivity and hydraulic conductivity (**Table 4-1**). These data do not include any wells screened exclusively in the Deep Aquifer of the EBP Subbasin; however, more reliable pumping tests and aquifer test data are available for the Deep Aquifer as described below. Generally, the specific capacity data are more valuable for Shallow and Intermediate Aquifer Zones due to lack of aquifer testing data. Evaluation of wells screened in the Shallow and Shallow to Intermediate Aquifer Zones indicate transmissivity geometric mean values of 6,700 to 7,900 gpd/ft (geometric mean K values of 5 to 14 ft/day) in the southern portion of the EBP Subbasin. Evaluation of Intermediate and Intermediate to Deep Aquifer Zone wells indicates transmissivity values of 13,100 to 16,900 gpd/ft (geometric mean K values of 8 to 41 ft/day) in the southern portion of the EBP Subbasin. The northern EBP Subbasin only has specific capacity data for wells screened in the Shallow and Shallow to Intermediate Aquifer Zone, which have a geometric mean transmissivity of 1,200 gpd/ft and a geometric mean K value of 1.3 ft/day.

4.5.3 Aquifer Testing Data

Aquifer testing data include estimates of aquifer parameters from production wells without any observation wells (e.g., Hayward Wells D2 and E), pumping wells paired with single observation wells (e.g., EBMUD Davis Street and Farmhouse sites, Hayward Well B), and three regional pumping tests with several observation wells (Hayward Well C, Hayward Well E, and EBMUD Bayside Well). Locations of wells with aquifer tests are shown in **Figure 4-17**. Wells with aquifer testing data are located in the southern EBP Subbasin and Niles Cone Subbasin, and the data are summarized in the following **Tables 4-2** through **4-4**. In general, aquifer testing data availability is good for the Deep Aquifer Zone in the southern portion of the EBP Subbasin and northern portion of Niles Cone Subbasin; but it is poor for the Shallow and Intermediate Aquifer Zones in the southern EBP Subbasin and for all zones in the northern portion of the Subbasin.

4.5.3.1 Aquifer Testing at EBMUD Wells

The EBMUD Bayside Well is located in San Lorenzo and EBMUD monitoring wells MW-1 through MW-7 are located nearby along with the nested monitoring well adjacent to the USGS extensometer. Multiple aquifer tests have been conducted in the area using a test well and the Bayside Well. These tests have resulted in estimated transmissivity values ranging from about 90,000 to 150,000 gpd/ft for the Deep Aquifer between 500-650 ft bgs. The EBMUD Farmhouse well site is located approximately two to the northeast of the Oro Loma site and includes a test well and observation well. The transmissivity at the Farmhouse well site was 52,000 gpd/ft for the Deep Aquifer between 500-530 ft bgs. Evidently, the Deep Aquifer has thinned out considerably at the Farmhouse site area with a thickness of only 30 ft, which likely accounts for the reduction in transmissivity being only about half the value observed at the Bayside Well area. The EBMUD Davis Street well site (MW-8) is located approximately 3.7 miles north-northwest of the Oro Loma site and also included a test well and observation well. Aquifer testing at the Davis Street site indicated a transmissivity value of about 9,000 gpd/ft for the aquifer between 420-480 ft bgs at this location. Review of observation well data for the 2010 EBMUD regional aquifer test and the 2002 Hayward Well E aquifer test indicated the Farmhouse well site is part the regional Deep Aquifer system, whereas the Davis Street site is apparently not connected to the regional Deep Aquifer system in the southern EBP Subbasin.

The regional 2010 EBMUD aquifer test further confirmed that relatively high transmissivity values extend throughout a large portion of the EBP Subbasin Deep Aquifer system. Observation wells from MW-10 in the north, MW-5 on the east, and the Mt. Eden and Hayward Well E on the south demonstrate transmissivity values ranging from about 75,000 to 140,000 gpd/ft. These regional aquifer testing parameter results are consistent with other more localized testing as indicated in **Table 4-2**, as well as the Well E regional aquifer testing conducted in 2002 that yielded an average transmissivity value of 106,000 gpd/ft. Regional and local aquifer testing indicate that the Deep Aquifer system thins towards the Hayward Fault as demonstrated by the EBMUD Farmhouse site and MW-9 and City of Hayward Well A. While observation wells for Deep Aquifer groundwater level responses were not available to define the Deep Aquifer system response beneath San Francisco Bay, test results indicate the Deep Aquifer likely extends a significant distance westward beneath the Bay. Deep Aquifer storage coefficient values for local EBMUD aquifer tests ranged from 0.002 to 0.00002, with a geometric mean of 0.00065. The regional EBMUD aquifer test provided a storage coefficient value of 0.00015 for the Deep Aquifer.

Table 4-2: Summary of Aquifer Test Data for EBMUD Wells

Study	Pumping Rate (gpm)	Duration (Hours)	Range of T Values for EBP (gpd/ft)	Average T Value for EBP (gpd/ft)	Range of S Values for EBP	Average S Value for EBP
Fugro, 1998 (Bayside Well area)	383	72	90,000-130,000	109,000	0.0003-0.004	0.002
Fugro, 1998 (Bayside Well area)	1,500	24	110,000-112,000	111,000	0.005-0.008	0.0065
Fugro, 1999? (Bayside Well area)	1,600	52	111,000-112,000	111,500	0.0009-0.002	0.0015
Fugro, 2000 (Farmhouse site)	248	72	NA	52,000	NA	0.00002
Fugro, 2000 (Davis St. Site)	380	72	8,400 – 9,700	9,000	0.000011 – 0.000056	0.00003
Fugro, 2005 (Bayside Well area)	1,200	4	115,000-158,000	132,000	0.0001-0.00035	0.0002
Fugro, 2011 (San Leandro to Union City)	1,400	8 weeks	74,000-141,000	103,000	0.00004-0.0004	0.00015

4.5.3.2 Aquifer Testing at City of Hayward Wells

Extensive well and regional aquifer testing have been conducted on City of Hayward production wells (**Table 4-3**). Well A was tested at three different pumping rates ranging from 220 to 1,000 gpm. The resulting transmissivity values for Well A (EBP Subbasin) were the lowest among Hayward wells and ranged from 6,450 to 12,540 gpd/ft (Well A has 65 ft of screen in Deep Aquifer Zone and 20 ft of screen in Intermediate Aquifer Zone). Wells B and C (Niles Cone Subbasin) had the highest transmissivity among City of Hayward wells at 133,000 to 190,000 gpd/ft. The regional aquifer test that involved pumping of Well E (EBP Subbasin) for two weeks continuously indicated a Deep Aquifer transmissivity in the East Bay Plain of 106,000 gpd/ft in the Hayward area. Regional aquifer testing of Hayward Wells C and E also indicated a partial barrier to groundwater flow is present between Hayward Wells B and E. The EBP Subbasin Deep Aquifer appears to thin towards the Hayward Fault, including in the Well A area where the transmissivity is an order of magnitude lower. Deep Aquifer storage coefficient values were 0.0002 for the Well E test and 0.0001 for aquifer tests on Wells B and C.

Table 4-3: Summary of Aquifer Test Data for Hayward Wells

Well	Test Date	Pumping Rate (gpm)	Duration (Hours)	Range of T Values (gpd/ft)	Average T Value (gpd/ft)	Range of S Values	Average S Value
Well A	6/21/89	220	24	NA	6,450	NA	NA
Well A	8/19/89	570	72	NA	12,540	NA	NA
Well A	8/25/92	1,000	2	NA	7,550	NA	NA
Well B	8/13/92	1,900	14	NA	133,000	NA	NA
Well B	3/22/02	1,750	2	NA	190,000	NA	0.0001
Well C	4/18/96	2,200	12	NA	160,000	NA	NA
Well C	5/29/02	3,300	2 weeks	140,000-170,000	160,000	Not Provided	0.0001
Well D2	6/17/96	1,250	8	NA	38,800 (?)	NA	NA
Well E	6/16/99	2,000	10	NA	11,500 (?)	NA	NA
Well E	7/7/02	2,200	2 weeks	Not Provided	106,000	Not Provided	0.0002
Well 9	3/11/85	1,207	18	29,000 – 35,400		NA	NA

4.5.3.3 Aquifer Testing at the Port of Oakland Wells

Pumping test data available for other wells include pumping tests conducted at the Port of Oakland in the Shallow Aquifer Zone and the upper portion of the Intermediate Aquifer Zone (**Table 4-4**). Estimated hydraulic conductivity values from the pumping tests varied from about 1 to 60 ft/day, generally reflecting the lithology of the 10 to 20 foot interval screened in each pumping well.

Table 4-4: Summary of Aquifer Test Data for Port of Oakland Wells

Study	Test Date	Pumping Rate (gpm)	Duration (Hours)	Range of T Values (gpd/ft)	Average T Value (gpd/ft)	Screen Interval (ft bgs)	Lithology of Screen Interval	Range of K Values (ft/day)
MW-4C; Port of Oakland (SCI/Todd, 1999)		20	8	165	165	160-180	Silty Clay; Sand with silt and gravel	1.1
MW-5B; Port of Oakland (SCI/Todd, 1999)	10/3/97	20	5	1,320 - 2,110		60-80	Sand with lenses of sandy clay	8.5 – 14.1
MW-6B; Port of Oakland (SCI/Todd, 1999)	10/1/97	20	3	1,175 – 2,640		70-80	Sand	17 - 57
MW-7C; Port of Oakland (SCI/Todd, 1999)	9/30/97	40	6	190 - 260		199-219	Clay; Sand with clay	1.1 – 1.7

4.5.4 Aquifer Parameter Summary

A map showing Deep Aquifer transmissivity values for the continuous portion of the Deep Aquifer in the EBP Subbasin is provided in **Figure 4-18**. The map generally shows relatively high transmissivity values on the order of 100,000 gpd/ft through the center of the Deep Aquifer depositional center along the western EBP Subbasin from south of San Leandro to Hayward. The Deep Aquifer transmissivity declines to the east towards the Hayward Fault as the aquifer thins and pinches out.

In summary, local and regional aquifer testing combined with extensive and detailed work on geologic cross sections validate that the East Bay Plain Deep Aquifer is continuous from the south of Davis Street in San Leandro to Hayward and from near the Hayward Fault to beneath San Francisco Bay with high transmissivity values ranging from 50,000 to greater than 100,000 gpd/ft over much of the Deep Aquifer extent (although transmissivity values of 10,000 gpd/ft occur along the eastern edges of the Deep Aquifer near the Hayward Fault). Additional discussion of the Deep Aquifer southern boundary condition is provided in Section 7 of this Subtask 4.2 TM. Aquifer parameter data for the Shallow and Intermediate Aquifer Zones in the southern portion of the Subbasin are generally limited to specific capacity data, which indicate transmissivities typically in the range of 5,000 to 10,000 gpd/ft for the Shallow Aquifer Zone, and 10,000 to 20,000 gpd/ft for the Intermediate Aquifer Zone. Aquifer parameter data for the Shallow and Intermediate Aquifer Zones in the northern portion of the Subbasin are limited to specific capacity data (only available for five wells total), which indicate transmissivities ranging widely from about 10 to 40,000 gpd/ft, with a geometric mean of about 1,200 gpd/ft.

4.6 Recharge and Discharge Areas

Groundwater recharge areas were evaluated based on the recharge mechanisms, soil types, and surface geologic data. The primary mechanisms for vertical recharge include precipitation and excess irrigation recharge, streamflow infiltration, and leaking pipes. The area with potential for recharge from rainfall/irrigation water and leaking pipes essentially covers the entire Subbasin, whereas streamflow infiltration potential is limited to where stream channels are present.

Mapping of soils by hydrologic groups A, B, C, and D provides a good indication of recharge potential. Hydrologic group A soils have high infiltration rates, group B soils have moderate infiltration rates, group C soils have slow infiltration rates, and group D soils have very slow infiltration rates. If a soil is placed in group D because of a high water table, it may have a dual designation such as B/D (first letter represents soil's infiltration rate if soil is drained).

The hydrologic group soils mapping (**Figure 4-19**) generally shows three relatively large areas of group B soils that appear to be associated with San Leandro and San Lorenzo Creek alluvial fans and an area south of San Lorenzo Creek. These group B soils are generally in the middle to eastern portion of the subbasin. Large areas of group A soils are present on Alameda Island and in the western Oakland and northwestern San Leandro areas, primarily corresponding with locations of Merritt Sand deposits indicated on geologic maps. Hydrologic group C soils cover most of the remaining central and eastern areas of the southern portion of the subbasin, and hydrologic group D soils cover most of the remaining western portions of the southern portion of the subbasin. The portion of the EBP Subbasin north of Oakland is predominantly comprised of hydrologic group C and D soils, with a greater proportion of hydrologic group C soils occurs in the Richmond area.

Overall, significant recharge can generally be expected to occur in areas with hydrologic group A, B, and C soils, with highest infiltration rate in group A to lowest rate in group C (all other factors being equal). Specifically, the best recharge areas occur in the central to eastern portions of the southern EBP Subbasin between Oakland and Hayward and in areas with group A and B soils and a sufficiently deep water table. The Richmond area in the northernmost portion of the EBP Subbasin is the next best recharge area, while the western portion of the entire subbasin and the area between Oakland and Richmond have the lowest potential for recharge.

Recharge potential was also evaluated using the Soil Agricultural Groundwater Banking Index (SAGBI) (O'Green, et al., 2015) mapping tool. The SAGBI Index was developed for use as a suitability index for groundwater recharge on agricultural land by UC Davis. It is based on five factors considered critical for groundwater banking: deep percolation, root zone residence time, topography, chemical limitations, and soil surface condition. The most relevant factor for EBP Subbasin recharge potential is deep percolation, which is derived from the soil horizon with the lowest saturated K value. There are SAGBI Index maps for unmodified (i.e., not accounting for deep tillage) and modified (theoretical map assuming restrictive soil layers have been modified by deep tillage) factors. The most relevant SAGBI Index map for EBP Subbasin recharge potential is unmodified deep percolation (**Figure 4-20**). The SAGBI Index deep percolation map generally aligns with the hydrologic soils group map in **Figure 4-19**, but provides better definition of recharge potential in unmapped (null) areas shown on **Figure 4-19**.

4.7 Surface Water Bodies and Sources of Local and Imported Water Supplies

EBMUD and Hayward are the sole water suppliers in the EBP Subbasin. The following sections describe each entity's water supply systems based primarily on each agency's respective 2015 Urban Water Management Plans (EBMUD, 2016; Hayward, 2016) and EBMUD's recently updated water demand study (Hazen, 2020). Wastewater systems, recycled water projects, and smaller independent sanitary districts located within EBP Subbasin are also described below.

4.7.1 City of Hayward

Hayward operates a water system, wastewater collection and treatment facilities, and produces recycled water. The various water services provided by Hayward are described below.

4.7.1.1 Water Supply

Water service is provided by Hayward for residential, commercial, industrial, governmental, and fire suppression uses. Local production wells were originally used to supply Hayward with water. During the 1950s, the well water was supplemented by water purchased from San Francisco's Hetch Hetchy system, owned and operated by the SFPUC. In 1962, Hayward entered into an agreement with the SFPUC to purchase their entire water supply from the SFPUC. Subsequently, Hayward constructed over 20 miles of aqueduct in order to deliver Hetch Hetchy water and ceased providing groundwater in 1963.

In 2015, Hayward purchased approximately 5,000 million gallons (15,345 AF) of water from SFPUC. The water is delivered into the Hayward system through an intertie with the SFPUC. The system comprises two turnouts, 14 reservoirs (29.4 million gallons (MG) of total storage), 7 pump stations, 380 miles of pipeline, and 35 pressure reducing stations. **Figure 4-21** provides an overview of Hayward's potable supply system.

Hayward also has an emergency water supply system that comprises five emergency groundwater supply wells (14 mgd potential yield), and interties with ACWD and EBMUD (30 mgd capacity). The emergency groundwater supply wells were installed between the late 1980's and mid 1990's and are intended for use in the event of surface water supply disruptions. The wells have not yet been needed to provide water to customers, but each well is pumped for a few hours each month to maintain equipment in good working order.

4.7.1.2 Wastewater

Hayward owns and operates the wastewater collection system that collects wastewater from almost all of the residential, commercial, and industrial users within the incorporated City limits. The City also serves a small number of properties in unincorporated areas of Alameda County. The wastewater collection system comprises about 350 miles of sewer mains, 9 sewage lift stations, and 2.5 miles of force mains.

The total volume of wastewater collected in 2015 was 3,830 MG (11,755 AF). The wastewater treatment plant provides for a secondary level of treatment with disinfection. Treated wastewater is conveyed to the East Bay Dischargers Authority for final dichlorination and discharge via an outfall to San Francisco Bay. A portion of the treated wastewater is delivered to Calpine's Energy Center for further treatment and use in its cooling process as described below (City of Hayward, 2015).

4.7.1.3 Recycled Water

Hayward's current recycled water system provides secondary treated wastewater to the Russell City Energy Center (RCEC) for cooling. The RCEC, located adjacent to the City's Water Pollution Control Facility (WPCF), is a 600-megawatt natural gas-fired combined cycle energy generation facility. In 2015, Hayward delivered 569 MG to the RCEC, an average of 1.5 mgd. During the peak summer months (June through September), deliveries averaged about 2.1 mgd. There is potential for increased volumes, and Hayward estimates average deliveries to RCEC of 2.5 mgd in the future.

In addition to recycled water use at RCEC, Hayward is implementing a Recycled Water Project to deliver tertiary treated wastewater to other customers within an approximately 2-mile radius of the WPCF. The Recycled Water Project includes construction of a storage tank and pump station, in addition to the distribution pipeline, and installation of customer laterals and connections. Hayward plans to reach agreement with Calpine Corporation to receive surplus tertiary treated water from the RCEC. If agreement is not reached and/or the demand for recycled water exceeds the amount that RCEC can provide, Hayward will construct a tertiary treatment facility at the WPCF. The Project could deliver an estimated 90 MG of recycled water per year, an annualized average of about 250,000 gpd, to 22 customers, primarily for irrigation, with some industrial uses for cooling towers and boilers. **Figure 4-22** provides an overview of the Recycled Water Project.

Table 4-5 provides a summary of Hayward's actual and projected water supplies. Demands are projected to almost double by the year 2040; and would be met by increases in both imported and recycled water supplies. It should be noted that only the northern and western portions of Hayward are included within EBP Subbasin boundaries. It is assumed that 50 percent of potable water supply for the City is delivered within the EBP Subbasin portion of Hayward.

Table 4-5: Hayward Water Supply, Actual and Projected

Water Supply	Source	2015	2020	2025	2030	2035	2040
		Volume (MG)					
Imported	SFPUC	4,963	7,850	8,320	8,600	8,820	9,260
Recycled	Local	569	1,000	1,000	1,000	1,000	1,000
Stormwater	Local	0	0	0	0	0	0
Total		5,532	8,850	9,320	9,600	9,820	10,260

4.7.2 East Bay Municipal Utilities District

EBMUD operates a water system, wastewater collection and treatment facilities, and produces recycled water for its customers. The various components of the EBMUD water system are described in this section.

4.7.2.1 Water Supply

The EBMUD water supply system collects, transmits, treats, and distributes water from its primary water source, the Mokelumne River, to its customers in the San Francisco East Bay Area (see **Figure 4-23**). The Mokelumne Aqueducts convey the Mokelumne River supply from Pardee Reservoir across the Sacramento-San Joaquin River Delta (Delta) to local storage and treatment facilities.

After treatment, water is distributed to the incorporated cities and unincorporated communities in Alameda and Contra Costa Counties that EBMUD serves. The 46 U.S. Census cities, towns, and Census Designated Places that are entirely or partially within EBMUD's service area are Acalanes Ridge, Alameda, Alamo, Albany, Ashland, Bayview, Berkeley, Blackhawk, Camino Tassajara, Castle Hill, Castro Valley, Cherryland, Crockett, Danville, Diablo, East Richmond Heights, El Cerrito, El Sobrante, Emeryville, Fairview, Hayward, Hercules, Kensington, Lafayette, Montalvin Manor, Moraga, Norris Canyon, North Richmond, Oakland, Orinda, Piedmont, Pinole, Pleasant Hill, Reliez Valley, Richmond, Rodeo, Rollingwood, San Leandro, San Lorenzo, San Miguel, San Pablo, San Ramon, Saranap, Shell Ridge, Tara Hills, and Walnut Creek. Cities and towns located within the EBP Subbasin portion of the EBMUD service area include Alameda, Albany, Berkeley, El Cerrito, Emeryville, North Richmond, Oakland, Richmond, San Leandro, San Lorenzo, and San Pablo.

EBMUD's secondary water supply source is local runoff from the East Bay area watersheds, which is stored in the terminal reservoirs within EBMUD's service area. The availability of water from local runoff depends on two factors: hydrologic conditions and terminal reservoir storage availability. In dry years, evaporation can exceed runoff, resulting in net loss of local supply. Local runoff, on average, supplies the East Bay with 15 (16,800 AFY) to 25 mgd (28,000 AFY) during normal hydrologic years and with almost no runoff during dry hydrologic years.

In 1970, EBMUD executed a contract with the United States Bureau of Reclamation (USBR) for delivery of Central Valley Project (CVP) water from the American River to meet emergency supply demands. In 2000, USBR, EBMUD, and Sacramento region parties reached an agreement to modify the contract and to develop a joint water supply intake on the Sacramento River rather than the American River. This agreement led to the construction of the Freeport Project. In 2006, EBMUD signed a Long-Term Renewal Contract (LTRC) with USBR that modified its original contract for CVP supplies. The LTRC provides for delivery of up to 133,000 AF in a single qualifying year, not to exceed a total of 165,000 AF in three consecutive qualifying years. EBMUD received 18,641 and 33,250 AF of CVP supply in 2014 and 2015, respectively.

EBMUD's water supply system consists of a network of reservoirs, aqueducts (pipelines), water treatment plants (WTP), pumping plants, and other distribution facilities and pipelines that convey Mokelumne River water from Pardee Reservoir to EBMUD customers.

Pardee Dam & Reservoir

Pardee Reservoir is used principally for EBMUD's municipal water supply, power generation, and as a supply source for Jackson Valley Irrigation District. Pardee Dam and Reservoir are located approximately 38 miles northeast of Stockton near the town of Valley Springs, downstream from Pacific Gas and Electric Company's Mokelumne River Hydroelectric Project. Pardee Dam, constructed in 1929, is a concrete gravity arch structure rising 345 ft above the riverbed. The reservoir has 37 miles of shoreline, a surface area of 2,222 acres, and a current capacity of 203,795 AF at spillway crest elevation (licensed quantity is 209,950 AFY). A 23.6-megawatt (MW) Pardee Powerhouse (based on generator nameplate capacity), located at the base of the dam, was placed in service in 1930 and generates 140 million kilowatt hours (kWh) during a median runoff year.

Camanche Dam & Reservoir

Camanche Reservoir is operated jointly with Pardee Reservoir to maintain numerous downstream obligations, including streamflow regulation, water for fisheries and riparian habitat, flood control, and obligations to downstream diverters. Camanche Dam is located on the Mokelumne River approximately 10 miles downstream from Pardee Dam. Camanche Dam, constructed in 1964, is a zoned earthen structure. Camanche Reservoir has 63 miles of shoreline, a surface area of 7,470 acres, and a current capacity of 417,120 AF at spillway crest elevation (licensed quantity is 431,500 AFY). The 10.7-MW Camanche Powerhouse (based on generator nameplate capacity), located at the base of the dam, was placed in service in 1983 and generates 46 million kWh during a median runoff year.

Mokelumne Aqueduct System

Untreated water from Pardee Reservoir is transported approximately 91 miles to EBMUD water treatment plants (WTPs) and terminal reservoirs through the Pardee Tunnel, the Mokelumne Aqueducts, and the Lafayette Aqueducts. Water flowing by gravity from Pardee Reservoir takes 30 to 45 hours to reach EBMUD's service area. The Pardee Tunnel is a 2.2 mile, 8-foot-high horseshoe structure constructed in 1929. The Mokelumne Aqueducts are comprised of three 82-mile long pipelines that transport water from the end of Pardee Tunnel in Campo Seco to Walnut Creek at the east end of the two Lafayette Aqueducts. The Mokelumne Aqueducts have a total capacity of 200 mgd by gravity flow and up to 325 mgd with pumping at the Walnut Creek pumping plant.

Water Treatment Infrastructure

Water from Pardee Reservoir is transported to the EBMUD service area via the Mokelumne Aqueducts, which terminate in Walnut Creek. From Walnut Creek, the water is sent directly to EBMUD's three inline filtration WTPs or to one of the EBMUD terminal reservoirs (**Figure 4-23**). The inline WTPs that receive water directly from Pardee Reservoir are Walnut Creek WTP, Lafayette WTP, and Orinda WTP. Walnut Creek WTP and Lafayette WTP serve primarily the area east of Oakland-Berkeley Hills and Orinda WTP serves primarily the central parts of the area west of the Oakland-Berkeley Hills. The three conventional WTPs – Upper San Leandro WTP, San Pablo WTP, and Sobrante WTP – treat water from EBMUD's terminal reservoirs. These three plants serve the northern and southern parts of the EBMUD distribution system west of the Oakland-Berkeley Hills. **Table 4-6** summarizes the permitted capacity of each plant.

Table 4-6: EBMUD Water Treatment Plant Permitted Capacities

Water Treatment Plant	Permitted Capacity (mgd)
Orinda WTP	175
Walnut Creek WTP	115
Lafayette WTP	35
Sobrante WTP	60
San Pablo WTP	50
Upper San Leandro WTP	60

Water Supply Reservoirs

EBMUD operates five local water supply reservoirs (referred to as the terminal reservoirs): Briones, Chabot, Lafayette, San Pablo, and Upper San Leandro reservoirs. The total capacity of these reservoirs is 151,066 AF. The terminal reservoirs serve multiple functions that include:

- regulating EBMUD’s Mokelumne River supply in winter and spring, as the aqueduct flow does not always exactly match customer demands;
- augmenting EBMUD’s Mokelumne River water supply with local runoff;
- providing emergency supply during extended drought or in the event of interruption in delivery of the Mokelumne River supply;
- providing local supply during high turbidity events upstream;
- providing environmental and recreational benefits to East Bay communities; and
- minimizing flooding.

Upper San Leandro, San Pablo and Briones reservoirs provide water supply for EBMUD customers throughout the year, whereas Lafayette Reservoir and Chabot Reservoir are available to provide emergency standby supplies and are not currently connected to the WTPs. Chabot Reservoir also provides untreated water supply to two golf courses. Lafayette and Chabot reservoirs are not used for regular domestic supplies and are used for public recreation (e.g., fishing, sailing, canoeing, hiking, jogging, bicycling, picnicking, walking, and nature observations). San Pablo Reservoir is also used for public recreation. **Table 4-7** provides the capacities and water sources of the terminal reservoirs.

Table 4-7: EBMUD Terminal Reservoir Characteristics

Reservoir	Year Built	Capacity (af)	Source Water
Briones	1964	58,961	Mokelumne River, Bear Creek
Chabot	1875	10,350	San Leandro Creek, Upper San Leandro Reservoir, Miller Creek
Lafayette	1933	4,250	Lafayette Creek
San Pablo	1920	38,600	Mokelumne River, San Pablo Creek, Bear Creek, Briones Reservoir
Upper San Leandro	1926	38,905	Mokelumne River, San Leandro Creek & Tributaries

Distribution Facilities

After the water is treated at one of the WTPs, it is distributed throughout EBMUD's service area, which is divided into more than 130 pressure zones ranging in elevation from sea level to 1,450 ft. Approximately 50 percent of treated water is distributed to customers purely by gravity. The water distribution network includes 4,200 miles of pipe, 125 pumping plants, and 165 water distribution reservoirs. Water distribution reservoirs (having a total system-wide capacity of 830 million gallons) are located throughout EBMUD's service area and are typically enclosed tanks.

Freeport Regional Water Project

The Freeport Regional Water Authority (FRWA) is a joint powers agency created by EBMUD and the SCWA in 2002 to implement the development of the Freeport Regional Water Project. In 2011, EBMUD brought the Freeport Regional Water Project online to allow delivery of water from the Sacramento River to customers during dry years.

Bayside Groundwater Project

The Bayside Groundwater Project currently includes one injection/extraction well, and is currently permitted as a 1 MGD facility. The project allows for injection of treated drinking water from EBMUD's distribution system during wet years for aquifer storage and extraction during dry years. Limited injection has occurred since 2009. Extraction occurred during the 2010 8-week pumping test, but it has not yet been used to deliver water to customers.

4.7.2.2 Wastewater

EBMUD owns and operates a wastewater collection system that collects wastewater from half of the residential, commercial, and industrial users within EBMUD limits. Within the EBMUD GSA, wastewater is collected and treated by EBMUD Special District No. 1, and four other wastewater districts: City of Richmond Sanitary District, Stege Sanitary District (City of El Cerrito), City of San Leandro, and Oro Lomo Sanitary District (San Lorenzo area). EBMUD Special District No. 1 treats approximately 70 percent of total wastewater collected within the EBMUD GSA (EBMUD, 2016).

The EBMUD Special District No. 1 wastewater collection system is comprised of about 29 miles of large diameter interceptor system pipelines (one to nine ft in diameter), 1,400 miles of sewer mains, and 15 interceptor system pumping stations. Wastewater is treated at EBMUD's Main Wastewater Treatment

Plant (MWWTP), located in Oakland near the Bay Bridge. The MWWTP provides secondary treatment for 54 mgd (as of 2015), which is subsequently discharged to San Francisco Bay via an outfall pipe one mile into San Francisco Bay from the East Bay shoreline (EBMUD,2016).

4.7.2.3 Recycled Water System

EBMUD's recycled water program is described in their Urban Water Management Plan (2016) and in a recently completed update to their Recycled Water Master Plan (RWMP) (Woodard & Curran and Brown and Caldwell, 2019). EBMUD's recycled water program has grown significantly since EBMUD began using recycled water at its Main Wastewater Treatment Plant (MWWTP) in 1971. The program has expanded to provide more recycled water to a diverse array of customers for a variety of uses. Currently, EBMUD supplies recycled water produced from the effluent of four different wastewater treatment plants. **Figure 4-24** provides an overview of EBMUD's recycled water system and recycled water projects.

Water Recycling at EBMUD's Main Wastewater Treatment Plant

In 1971, EBMUD constructed treatment facilities to maximize the use of recycled water for plant processes and landscape irrigation at its MWWTP. In addition, recycled water for use as equipment wash down and construction projects was made available at the plant in the 1970s and during 1987-1994 when EBMUD implemented a Drought Management Program. EBMUD continues to use recycled water for in-plant processes and landscape irrigation. In 2015, the average in-plant recycled water use was 2.3 mgd.

San Leandro Reclamation Facility

In 1988, EBMUD constructed the San Leandro Reclamation Facility (SLRF) to serve EBMUD customers with recycled water produced by the San Leandro Water Pollution Control Plant (WPCP). In 1988, EBMUD began serving the Metropolitan Golf Links (formerly Galbraith Golf Course) for irrigation backup to their groundwater wells or for blending. In 1991, EBMUD extended the SLRF to include the Chuck Corica Golf Complex (formerly Alameda Golf Complex). This project delivered an average of 0.03 mgd to the Golf Complex in 2015. As part of the SLRF expansion, EBMUD also added piping to serve the nearby Harbor Bay Parkway and the average delivery was 0.003 mgd for roadway greenbelt irrigation in 2015. In 2015, EBMUD made recycled water available for a construction site at the Oakland Airport via a temporary connection. The temporary construction site used a total of about 3.9 MG of recycled water for runway improvement activities. The RWMP (2019) indicates this project, which provided a total of 0.1 MGD of recycled water in 2015, was no longer providing any recycled water for irrigation as of 2017. The Chuck Corica Golf Complex is currently using only a combination of surface water and groundwater to meet irrigation demands and Metropolitan Gold Links is currently using only groundwater for irrigation.

North Richmond Water Recycling Project

In 1996, EBMUD started the North Richmond Water Recycling Project (NRWRP) to deliver recycled water to the Chevron refinery in Richmond for use in its cooling towers. The average use of recycled water has increased from 2 mgd in 2004 to 4 mgd in 2015, and has a design capacity of 5.4 MGD. The RWMP (2019) indicates that this project had an interruption of influent supply due to a construction shutdown, and EBMUD had to supplement with potable water in 2016 and 2017. The NRWRP was expected to be back in service by late 2018.

East Bayshore Recycled Water Project

EBMUD's East Bayshore Recycled Water Project produces high-quality recycled water at the EBMUD wastewater treatment plant, located at the foot of the Bay Bridge. The project also distributes this water through a system of transmission pipelines that will eventually serve areas of Oakland, Emeryville, Alameda, Albany, and Berkeley. In 2015, the project provided an average of 0.14 mgd of recycled water to customers. The RWMP (2019) indicates this project provides recycled water for irrigation in Oakland and Emeryville with 2017 demands remaining at 0.14 MGD and a current project capacity of 0.2 MGD.

RARE Water Project

In 2010, EBMUD brought online the Richmond Advanced Recycled Expansion (RARE) Water Project to provide high purity recycled water for boilers at the Chevron Richmond refinery. In 2015, RARE delivered 2.9 mgd of recycled water to Chevron. The RARE project can produce up to 3.5 MGD and be easily expanded to 4 MGD. Less than 10 percent of RARE's recycled water demand has been supplemented with potable water due to water supply and quality issues (RWMP, 2019).

San Ramon Valley Recycled Water Program

The San Ramon Valley Recycled Water Program (SRVRWP) is a partnership between EBMUD and the Dublin San Ramon Services District (DSRSD) to provide recycled water to both agencies' customers. DSRSD treats wastewater from its main wastewater treatment plant for unrestricted use. The project provides tertiary treated recycled water to large landscape irrigation customers, including municipal parks, golf courses, business parks, greenbelts, and roadways. In 2015, the SRVRWP delivered an average of 0.5 mgd of recycled water to EBMUD customers. Also, in 2015, construction began on the distribution system expansion into the Bishop Ranch business park and surrounding area. EBMUD evaluated the future expansion of this program and has identified an additional 0.3 MGD demand beyond the originally planned 2.4 mgd build-out project. The recently completed RWMP (2019) indicates recent completion of Phase 2B brings the current capacity is 0.8 MGD, and Phase 2A (in progress of early 2019) will bring total recycled water capacity to 1.3 MGD.

Recycled Water Commercial Truck Program

In 2008, as part of its 2008-2010 Drought Management Program, EBMUD developed a recycled water commercial truck program to make recycled water available to commercial truck customers for approved uses. In 2015, the program provided approximately 9 MG of recycled water to customers.

4.7.2.4 Summary of EBMUD Water Supplies

Table 4-8 provides a summary of recent recycled water use by EBMUD. Total demand/deliveries for the five listed recycled water projects have ranged from a high of 8.0 MGD in 2013 and 2014 to a low of 4.2 MGD in 2016 and 2017. Additional recycled water uses occur at the EBMUD main wastewater treatment plant (2.3 MGD in 2015) and for the commercial truck program (9 MG during 2015, average of 0.025 MGD). **Table 4-9** provides a summary of actual water supplies for EBMUD as of 2015. Recycled water provided about 5 percent of total water demand in 2015. Demands are projected to increase by approximately 21 percent from 2018 to 2050; demands would be met by increases in both imported and recycled water supplies (**Table 4-10**). It should be noted that only a portion of the EBMUD service area is included within

EBP Subbasin boundaries. As of 2015, it is estimated that approximately 50 percent of potable water supply for EBMUD is delivered to cities that are located entirely or partially within the EBP Subbasin.

Table 4-8: Summary of Recent EBMUD Recycled Water Use

Project	Water Use	Capacity (MGD)	2013	2014	2015	2016	2017
DERWA/San Ramon Valley Phase 1 and 2B	Landscape Irrigation	0.8[a]	0.69	0.64	0.5	0.5	0.67
East Bayshore Phase 1A	Irrigation, Toilet Flushing, Industrial	0.2	0.15	0.16	0.14	0.13	0.14
San Leandro WRP	Golf Course and Landscape Irrigation	0.2	0.31	0.29	0.1	0.01	0
North Richmond WRP	Chevron Refinery Cooling Towers	4.0	3.64	3.64	4.0	0.5	0
RARE	Chevron Refinery Boiler Makeup	3.5	3.25	3.26	1.8	3.1	3.4
Total		8.7	8.0	8.0	6.5	4.2	4.2

a. Capacity is expected to increase to 1.3 MGD with completion of Phase 2A; total capacity would increase to 9.2 MGD.

Table 4-9: EBMUD Water Supply, Actual

Water Supply	Source	2015[a] (MGY)
Imported	EBMUD	69,350
Recycled	Local	3,221
Stormwater	Local	0
Total		72,571

a. Data derived from the 2015 Urban Water Management Plan.

Table 4-10: EBMUD Water Supply, Projected

Forecast[a]	2018	2020	2025	2030	2035	2040	2045	2050
Water Demand[b]	65,700	66,795	70,445	73,730	77,745	82,490	86,140	89,790
Recycled Water[c]	0	0	0	365	1,460	2,920	2,920	2,920
Water Conservation[d]	0	730	2,555	4,015	5,475	6,205	6,935	7,300
Planning Level of Demand	65,700	66,065	67,890	69,350	70,810	73,365	76,285	79,570

a. Projected data derived from the 2050 Water Demand Study.

b. Water Demand includes: historical water conservation 1995 to 2018, non-revenue water, water treatment plant wash water, and untreated water users.

c. Projected recycled water data do not include existing recycled water use of 5 MGD (1,835 MGY), and are conservative because they assume total recycled water use is 4 MGD (1,450 MGY) less than may actually occur.

d. Represents projected additional water conservation beyond the current level of water conservation.

4.7.3 Other Sanitary Districts

The EBP Subbasin includes four smaller sanitary districts in addition to Hayward and EBMUD Special District No. 1. Each of the smaller sanitary districts is described in this section.

4.7.3.1 City of Richmond Sanitary District

The City of Richmond (and its contract operator Veolia Water) operates the Richmond Municipal Sewer District (RMSD) wastewater collection system, which provides service for the majority of the City of Richmond and a small unincorporated area within Contra Costa County. The sewer collection system is comprised of 187 miles of gravity sewer pipelines (4 to 66 inches in diameter), 15 miles of pressure pipelines, and 14 pump stations. Sewer flows are conveyed to the Richmond Sanitary Sewer District No. 1 (RSSD) wastewater treatment plant, which manages treatment and disposal of treated wastewater. Three of the 14 pump stations owned by the City of Richmond discharge to the adjacent Stege Sanitary District, and these are considered to be outside of the RMSD service area. The average dry weather flow was measured to be 6.3 mgd as of 2010 (West Yost, 2011; Carollo, 2016) .

4.7.3.2 Stege Sanitary District

The Stege Sanitary District (SSD) operates a wastewater collection system in the City of El Cerrito, Kensington, and a portion of the City of Richmond. SSD serves more than 35,000 residents with 148 miles of sanitary sewers and two pump stations. Wastewater treatment and disposal services are provided by EBMUD Special District No. 1 (Stege Sanitary District website, accessed September 2020).

4.7.3.3 City of San Leandro

The City of San Leandro wastewater collection and treatment system serves approximately two-thirds of the City (the northern portion), and it includes 130 miles of pipeline ranging from 6 to 42 inches in diameter and 13 lift stations. The City wastewater treatment plant produces secondary treated effluent at a rate of 4.6 to 4.8 mgd (City of San Leandro, 2017).

4.7.3.4 Oro Loma Sanitary District

Oro Loma Sanitary District collects and treats wastewater for unincorporated portions of Alameda County that include San Lorenzo, Ashland, Cherryland, the Fairview portions of Castro Valley and certain areas of the Cities of San Leandro and Hayward. It serves approximately 47,000 customers, of which approximately 97% are residential and the remaining 3% are commercial/industrial. Oro Loma facilities include 273 miles of sewer lines and 13 sewerage lift stations. An average of 12.4 to 14 MGD (average dry season flows) of wastewater are treated to a secondary level, and recycling activities include use of 60 MG per year (184 AFY) for irrigation at Skywest Golf Course (Oro Loma Sanitary District website, accessed September 2020).

4.7.4 Water Supply Summary

EBMUD and Hayward provide nearly the entire water supply for the EBP Subbasin, which is primarily surface water. EBMUD has imported surface water from the Mokelumne River system and local reservoirs in the East Bay Hills. EBMUD also has an additional CVP water supply source from the Sacramento River to meet emergency (dry year) demands, and has developed the Bayside Groundwater Project for potential use during dry years. Hayward obtains surface water from the SFPUC Tuolumne River system, and has developed an emergency groundwater supply well system for potential use in the event of surface water supply disruptions.

EBMUD and Hayward have extensive wastewater collection and treatment systems that cover the majority of the EBP Subbasin. Additional wastewater collection and treatment facilities are operated by City of Richmond, Stege Sanitary District, City of San Leandro, and Oro Loma Sanitary District. Most treated wastewater is discharged to the San Francisco Bay. The remaining treated wastewater is part of recycled water systems for EBMUD and Hayward, and recycled water uses include large-scale irrigation projects (e.g., parks, golf courses) and industrial facilities (e.g., energy facility and refinery cooling).

5 CURRENT AND HISTORICAL GROUNDWATER CONDITIONS

Groundwater conditions under SGMA are essentially a description of the hydrologic conditions in the subbasin. The groundwater conditions include groundwater levels, groundwater storage, groundwater quality, groundwater pollutants, isotopic data, seawater intrusion, land subsidence, groundwater-surface water interaction, and groundwater dependent ecosystems. Each element of groundwater conditions is described in detail in the following sections.

5.1 Groundwater Levels

Groundwater level data were compiled from a variety of sources, including GeoTracker, CASGEM, USGS, ACPWA, ACWD, EBMUD, Hayward, and various other reports (LSCE Team, 2020). In general, water level data are available in the basin from 1949 through 2019, but spatial coverage for a given aquifer at any given time (e.g., spring or fall) is limited. Intermediate and Deep Aquifer Zone measurements are limited to the southern portions of the Subbasin, while little to no water level monitoring has occurred in primary aquifer zones in the northern portion of the Subbasin. Groundwater elevation maps for selected years for each aquifer and groundwater hydrographs are described below.

5.1.1 Water Table Aquifer Zone – Upper 50 Ft

Review of available groundwater level data indicated the Water Table Aquifer Zone (upper 50 ft of sediments) has generally remained saturated (i.e., the water table has not dropped more than 50 ft below ground surface). To provide the most accurate depiction of the shallow water table, groundwater elevation contour maps were prepared using wells with total depths and screens within the upper 50 ft. Data for such wells are generally not widely available until the late 1990s/early 2000s. Groundwater elevation contour maps were prepared for selected representative years as described further below.

Groundwater elevation contour maps for Spring and Fall 2002 (**Figures 5-1 and 5-2**) generally show elevations ranging from 30-40 ft msl near the East Bay Hills to less than 10 ft msl near the Bay in the southern half of the subbasin. Groundwater elevations in the northern half of the Subbasin range from 60-80 ft msl near the East Bay Hills to less than 10 ft msl near the Bay. The overall pattern of groundwater flow in the Water Table Aquifer Zone is from northeast to southwest following topography, although localized influences (e.g., utility trenches, streams, dewatering operations) tend to impact localized flow directions in the Water Table Aquifer Zone. Groundwater elevation contour maps for Spring/Fall of 2008 (**Figures 5-3 and 5-4**), 2012 (**Figures 5-5 and 5-6**), and 2018 (**Figures 5-7 and 5-8**) show similar elevations and groundwater flow patterns as maps for 2002.

Groundwater level hydrographs for the Water Table Aquifer Zone generally only have data available from 2005 to present (**Appendix E-1**). Groundwater level fluctuations over this time frame generally range over less than five ft for a given year and less than 10 ft over the period of record. For the water table aquifer, groundwater elevations are fairly stable over the period of record for most wells, but some wells show slightly lower elevations at the end of the drought in 2014 and 2015 with recovery in subsequent years.

5.1.2 Shallow Aquifer Zone – 50 to 200 Ft

Groundwater elevation contour maps were prepared for the Shallow Aquifer Zone for representative years based on wells between 50-200 ft deep. Data points for Spring/Fall 1959 are limited to the southernmost portion of the Subbasin, and these are interpreted to generally show groundwater flow from the East Bay Hills towards San Francisco Bay and towards the southern boundary of the Subbasin (**Figures 5-9 and 5-10**). Groundwater elevations in 1959 ranged from greater than 30 ft msl adjacent to the East Bay Hills to slightly below sea level near the Bay and southern boundary of the Subbasin. The availability of data and general pattern of groundwater flow for Spring/Fall 1965 are generally similar to 1959, although the lowest elevations near the Bay and southern boundary are slightly higher than in 1959 (**Figures 5-11 and 5-12**).

A greater number of data points are available for Spring/Fall 1975 groundwater elevation contour maps, although almost all are located south of San Leandro Creek (**Figures 5-13 and 5-14**). The general pattern of groundwater flow in the Shallow Aquifer Zone remains the same as for previous years; the flow direction is from the East Bay Hills towards the Bay and southern boundary. Groundwater elevations for Spring 1975 range from near 40 ft msl adjacent to the East Bay Hills to 0.6 ft msl near the Bay/southern boundary. There is one data point in the Berkeley/Albany area near the Bay at 13.7 ft msl. Groundwater elevations for Fall 1975 generally range from near 40 ft msl near the East Bay Hills to -2.8 ft msl near the Bay/southern boundary, although one well just southeast of Oakland Airport may indicate a localized depression caused by groundwater extraction.

Data for Spring/Fall 1985 in the Shallow Aquifer Zone are sparse compared to data for 1975, but the data show the similar general groundwater flow pattern (**Figures 5-15 and 5-16**). The groundwater levels in the one well in the Berkeley/Albany area are significantly lower in elevation at 0.3 and -13.8 ft msl for spring and fall, respectively.

Available data for Spring 1993 are also limited to the area south of San Leandro Creek and indicate a similar groundwater flow pattern as previous years (**Figure 5-17**). A low groundwater elevation of -6.5 ft msl was recorded for a well near the Bay/southern boundary. Groundwater elevation data for Fall 1993 (**Figure 5-18)** are more limited south of San Leandro Creek and show elevations slightly lower (2 to 4 ft) than for Spring 1993. The Fall 1993 map also has one data point in the northern portion of the Subbasin with an elevation of 72 ft msl.

Shallow Aquifer Zone groundwater level data are less available after 2000 when the County discontinued its groundwater monitoring program. Data for Spring 2002 are particularly sparse with no well data for the area south of San Leandro Creek. Isolated data points are available adjacent to the East Bay Hills in the southern and northern portions of the Subbasin, which show groundwater elevations slightly above 80 ft msl. A few data points are available for the Fall 2002; these data range from near 40 ft msl near the East Bay Hills to near sea level close to the Bay (**Figures 5-19 and 5-20**). Groundwater elevation data for Spring/Fall 2018 are sparse, but these data generally show similar elevations to previous years where data points are available (**Figures 5-21 and 5-22**).

Groundwater hydrographs for Shallow Aquifer Zone wells are provided in **Appendix E-2**. A relatively long period of record from the 1950s to about 2000 is available for a few wells (e.g., 2S/3W-36L1, 3S/2E-8R5, 3S/2W-29F4, 3S/2W-30G5, 3S/3W-25R3). Other wells have 25 to 40 year periods of record within the 1950 to 2000 time frame (e.g., 1S/4W-4A1, 2S/3W-35E1, 2S/3W-35H6, 3S/2W-21G4, 3S/2W-27A3, 3S/2W-34P6, 3S/3W-24Q2). Most of these wells are located in the area between San Leandro and Hayward. One well (1S/4W-4A1) is located in Berkeley.

Wells showing a more significant rise in groundwater elevations include 2S/3W-35H6 and 2S/3W-36L1. Well 35H6's groundwater elevations increase from between -20 – -40 ft msl in the mid to late 1970s to 20-40 ft msl in the late 1990s to early 2000s. Well 36L1's groundwater elevations increased from a low of about 5 ft msl in the early 1960s to about 25 ft msl in 2000. Most Shallow Aquifer Zone well hydrographs show groundwater elevations consistently above sea level, although there are some shallow zone wells that fluctuate slightly below sea level (e.g., 3S/3W-24Q2). In summary, groundwater elevations in Shallow Aquifer Zone over this 50-year period were generally stable with some wells showing a modest rise in groundwater elevations.

5.1.3 Intermediate Aquifer Zone – 200 to 400 Ft

Groundwater elevation contour maps were prepared for several representative years based on review of available data. Available data are sparse and generally limited to the southern portion of the subbasin. Available data for Spring/Fall 1953 indicate that Intermediate Aquifer Zone groundwater elevations were generally below sea level with elevations highest near the East Bay Hills and lowest closest to the Bay shoreline (**Figures 5-23 and 5-24**). Groundwater elevations along the shoreline in 1953 ranged from about -50 ft msl in the Spring 1953 to -75 ft msl in Fall 1953.

Intermediate Aquifer Zone groundwater elevation data for Spring/Fall 1965 showed even greater declines in water levels with recorded groundwater elevations of -134 ft msl in the spring and -149 ft msl in the fall (**Figures 5-25 and 5-26**). As in 1953, the groundwater elevation contour maps for 1965 generally show groundwater flow from east to west with groundwater elevations below sea level over most of the area based on available data (approximately from Bay Farm Island south to Hayward).

Intermediate Aquifer Zone groundwater elevations for Spring/Fall 1975 showed some recovery from the 1960s with lowest groundwater elevation near the Bay shoreline ranging from -40 ft msl in the spring and close to -100 ft msl in the fall (**Figures 5-27 and 5-28**). Groundwater elevations continued their recovery into 1982, particularly for the fall, with lowest elevations of approximately -40 ft msl for both spring and fall (**Figures 5-29 and 5-30**). The gradual recovery in Intermediate Aquifer Zone groundwater elevations continued into the early 1990s, with lowest groundwater elevations in the range of -20 – -30 ft msl for both spring and fall (**Figures 5-31 and 5-32**).

After the 1990s, Alameda County discontinued its groundwater monitoring program and groundwater level data for the Intermediate Aquifer Zone became sparser than in previous years. To the extent that water level data are available after 2000, groundwater level elevations are indicated to generally be above sea level (**Figures 5-33, 5-34, 5-35**).

Groundwater hydrographs for intermediate zone wells are provided in **Appendix E-3.** A relatively long period of record from the 1950s to about 2000 is available for a few wells (e.g.,2S/3W-28G1, 3S/2W-6R2, 3S/2W-8L3, 3S/2W-27A1, 3S/3W-36R3). Other wells have 25 to 40 year periods of record within the 1950 to 2000 time frame (e.g., 2S/3W-22P3, 3S/3W-36R2). These wells are located in the area between San Leandro and Hayward.

The long-term trend for the Intermediate Aquifer Zone is best illustrated in wells 28G1, 6R2, 36R2, and 36R3. These wells generally show spring groundwater elevations between -40 to -70 ft msl in the early 1960s rising to between -15 to above sea level by 2000. One well (27A1) reported to have a total depth of 300 ft bgs (but no screen interval information) shows stable groundwater elevations fluctuating between approximately 30 to 50 ft msl between the early 1950s and the early 2000s. It appears that this well includes screens within the Shallow Aquifer Zone, and groundwater elevations were significantly influenced by Shallow Aquifer Zone groundwater levels, or that the area where the well is located (City of Hayward at the eastern margin of EBP Subbasin near the East Bay Hills) had less pumping stress than subbasin areas to the northwest and west of this well location. In summary, groundwater elevations in Intermediate Aquifer Zone over this 50-year period generally show a significant rise from low groundwater elevations in the early to mid-1960s to highest elevations at the end of the period of record (mostly around 2000).

5.1.4 Deep Aquifer Zone – Greater than 400 Ft

Available groundwater level data are so sparse for wells with depths greater than 400 ft that only one or two data points are available for many years. Thus, maps were prepared with available data plotted to provide some indication of groundwater levels, but groundwater elevations were not contoured. In general, the available data were limited to the southern portion of the Subbasin.

A single data point was available for Spring/Fall 1965, which indicated groundwater elevations ranging from approximately -100 to -110 ft msl at a location in the Hayward area east of I-880 (**Figures 5-36 and 5-37**). Although no data were available for the same location in the Intermediate Aquifer Zone, the groundwater elevation contour map for the Intermediate Aquifer Zone suggests that groundwater elevations at this location may have been in the range of -10 to -30 ft msl at this time. This suggests that Deep Aquifer Zone groundwater elevations may have been substantially lower than for the Intermediate Aquifer Zone in 1965.

The same well with a single data point that was available for Spring/Fall 1965 also had data available for 1975; the data indicated groundwater levels had recovered substantially in the Deep Aquifer at this location with elevations ranging from approximately -33 to 0 ft msl (**Figures 5-38 and 5-39**). Although no data were available for the same location in the Intermediate Aquifer Zone, the groundwater elevation contour map for the Intermediate Aquifer Zone suggests that groundwater elevations at this location may have been in the range of -10 to 10 ft msl. This suggests that Deep Aquifer Zone groundwater elevations remained somewhat lower than for the Intermediate Aquifer Zone during this time.

Deep Aquifer Zone groundwater elevations for Fall 1993 include only two data points, one located in the north Oakland/Emeryville area with an elevation of 46 ft msl and one on Bayfarm Island with an elevation of -15 ft msl (**Figure 5-40).** The well in north Oakland/Emeryville is 575 ft deep, but well screen intervals are unknown; thus, it is not certain if the relatively high groundwater elevation for the Deep Aquifer Zone at this location may reflect in part well screen intervals shallower than 400 ft bgs.

A greater number of data points were available for the Deep Aquifer Zone starting in 2000, although available data were still limited to the southern one third of the Subbasin. Data for Spring/Fall 2002 indicated groundwater elevations ranged from about 30 ft msl to about -10 ft msl (**Figures 5-41** and **5-42**). The Spring 2002 map has limited data points, but the data generally show higher elevations near San Leandro Creek with decreasing elevations (and groundwater flow) towards the south in the Hayward and Union City areas. The Fall 2002 map is generally similar to Spring 2002, but more available data points in the southern EBP Subbasin indicate a component of flow towards the Bay as well as towards the south within EBP Subbasin.

Groundwater elevations in the Deep Aquifer Zone for Spring 2018 show a relatively narrow range of groundwater elevations from about -5 to 10 ft msl for most wells. The hydraulic gradient has a relatively gentle slope from east to west (**Figure 5-43**). Deep Aquifer Zone groundwater elevations for the Fall 2018 generally ranged from -20 to 0 ft msl with most data points clustered between -4 to 1 ft msl (**Figure 5-44**).

Groundwater hydrographs for Deep Aquifer Zone wells are provided in **Appendix E-4**. Groundwater level data are very limited for Deep Aquifer Zone wells, with the longest available record covering from the early 1950s to about 1980 (3S/2W-17Q2). The hydrograph for 17Q2 indicates lowest elevations occurred in the mid-1960s with significant recovery occurring through the end of the period of record in 1980. The hydrograph for well 2S/3W-19Q1 shows groundwater elevations increasing from about -14 ft msl in the early to mid-1990s to about 0 ft msl in the early 2000s.

In summary, groundwater elevation trends in Deep Aquifer Zone over this 50-year period might be considered inconclusive as only one or two groundwater level data points for Deep Aquifer Zone wells with depths greater than 400 ft are available for many years. However, other wells screened in the Intermediate Aquifer Zone, screened across multiple zones including the Deep Aquifer Zone, and wells with unknown construction details suggest the Deep Aquifer Zone over this 50-year period generally shows a significant rise from low groundwater elevations in the early to mid-1960s to highest elevations at the end of the period of record (mostly around 2000).

5.1.5 Multiple Aquifer Zone and Unknown Aquifer Wells

Some wells with construction details are screened across multiple aquifer zones, and hydrographs for these wells are presented in **Appendix E-5**. One such well with a relatively long period of record is 3S/3W-1G1, which has screen intervals between 351-685 ft. The screened interval indicates this well represents primarily the Deep Aquifer Zone. The period of record from the late 1950s to early 2000s shows a groundwater elevation of approximately 20 ft msl in the late 1950s that dropped rapidly to lows of between -120 to -140 ft msl in the early 1960s. Groundwater elevations then recovered gradually from the 1960s through the end of the period of record to a groundwater elevation of approximately 0 ft msl. It appears likely that groundwater levels continued to recover after the end of the period of record.

Another well with a relatively long period of record is 3S/3W-14K2, which has multiple screen intervals between 162-990 ft. The period of record extends from the early 1970s to the early 2000s. The lowest elevations between -50 to -65 ft msl occur at the beginning of the period of record, and the highest elevations occur in the early 2000s between -10 to 0 ft msl. It appears likely that groundwater elevations continued to rise after the period of record ended.

5.1.6 Groundwater Levels Summary

Groundwater elevations can vary with depth, so the aquifer system is divided into four depth intervals for characterization of groundwater levels and flow: 0 to 50 ft bgs (upper portion of Shallow Aquifer Zone where stream-aquifer interaction occurs), 50 to 200 ft bgs (middle to lower portion of Shallow Aquifer Zone , 200 to 400 ft bgs (Intermediate Aquifer Zone), and greater than 400 ft bgs (Deep Aquifer Zone). Most groundwater supply wells are screened at depth intervals somewhere between the lower portion of the Shallow Aquifer Zone to the bottom of the Deep Aquifer Zone, and aquifer productivity generally increases with depth. The spatial (geographic) and temporal (over time) distribution of historical groundwater level data are limited for all aquifer/depth zones. In general, the majority of wells with historical groundwater level data from the late 1950s to 1990s are for groundwater supply wells in the southern EBP Subbasin. The majority of water level data since 2000 are from monitoring wells screened in the Shallow Aquifer Zone throughout the entire Subbasin, although some data are available for the Intermediate and Deep Aquifer Zones from EBMUD and Hayward monitoring and production wells in the southern EBP Subbasin over the last 20 years as well. In general, the overall groundwater flow is from the East Bay Hills towards San Francisco Bay with local influences from pumping depressions.

A map with inset groundwater level hydrographs and a composite hydrograph illustrate how groundwater levels have fluctuated over time in the EBP Subbasin (**Figures 5-45a and 5-45b**). Heavy groundwater pumping in the 1950s and early 1960s resulted in groundwater elevations in the Intermediate and Deep Aquifer Zones that were well below sea level in the southern portion of the Subbasin. Substantial reductions in groundwater pumping beginning in the mid-1960s (by Hayward and for other industrial/irrigation uses) resulted in long-term recovery in groundwater levels in the Intermediate and Deep Aquifer Zones from the mid-1960s to the 1990s as shown on **Figures 5-45a** and **5-45b**. **Figures 5-45a and 5-45b** also demonstrate that while groundwater elevations in the Intermediate and Deep Aquifer Zones were substantially below sea level in the 1960s and 1970s during a time of considerably greater groundwater pumping than currently exists, Shallow Aquifer Zone groundwater elevations were substantially higher and generally maintained above sea level during the 1960s/1970s and continuing until today.

Generally, groundwater elevations in all aquifers have been relatively stable (at or above mean sea level) over the past 10 to 20 years. The composite hydrograph (**Figure 5-45b**) provides further indication of the hydraulic isolation of the Intermediate and Deep Aquifer Zones from the Shallow Aquifer Zone that is illustrated in geologic cross-sections described in Section 4.4 of this TM. A map with inset groundwater level hydrographs and composite hydrograph for Shallow Aquifer Zone water levels throughout the EBP Subbasin over the past 20 years are provided in **Figures 5-46a** and **5-46b**. These hydrograph figures demonstrate that shallow groundwater levels in both the northern and southern portions of the EBP Subbasin have been maintained above sea level in recent years.

5.2 Groundwater Storage

DWR (1994) provided estimates of total groundwater storage capacity (from ground surface to base of alluvium), total groundwater in storage (from water table to base of alluvium), and total usable groundwater storage capacity (volume of groundwater in storage above sea level). The total groundwater storage capacity was estimated to be 2,670,000 AF, which is based on an average equivalent specific yield of about 6 percent. The total groundwater volume in storage was estimated to be 2,560,000 AF, which is based on an average depth to water of 25 ft (range of 5-40 ft) and an average specific yield of 6 percent. The total usable storage capacity was estimated to be 80,000 AF.

The area covered by DWR's calculations is significantly different than the EBP Subbasin as defined in this GSP (**Figure 5-47**). The DWR (1994) study incorporated an area to the south formerly included in the EBMUD Subbasin prior to the Bulletin 118 basin boundary modification in 2016; this area is now part of the Niles Cone Subbasin after the 2016 jurisdictional boundary modification. The DWR study also covered a portion of Castro Valley that is outside the EBP Subbasin boundary. In addition, the EBP Subbasin area north of Albany (a portion of the northern EBP Subbasin as defined in this study) was not included in the DWR groundwater storage estimate. Overall, the DWR study area for the groundwater storage calculations was approximately five percent larger than the current area of EBP Subbasin.

The general approach to calculate groundwater storage change utilized by DWR (1994) was applied to the area for the current EBP Subbasin boundaries. This approach included use of a specific yield of 6 percent, and separate calculations for the groundwater storage capacity (to ground surface) and for an assumed volume beneath the water table at an average depth of 25 ft bgs. The depth of alluvium was derived from the base of alluvium contour map provided in **Figure 4-10**. The calculated total groundwater storage capacity for the entire EBP Subbasin is 2,280,000 AF, and the total groundwater in storage beneath the water table was calculated to be 2,173,000 AF.

The total usable storage capacity calculated by DWR is likely underestimated given that groundwater levels in the Intermediate and Deep Aquifer Zones have historically been drawn down more than 100 ft below sea level for an extended period of years without causing seawater intrusion (see discussion in Section 5.4). To define a more detailed and comprehensive total usable groundwater storage, the calibrated groundwater model being developed under Subtask 4.4 will be utilized to calculate a groundwater storage capacity that accounts for hydrogeologic characteristics of the Subbasin as well as considering useable groundwater storage capacity in relation to historical groundwater basin development.

5.3 Groundwater Quality

SGMA defines the significant and unreasonable degraded water quality, including the migration of contaminant plumes that impair water supplies, as one of six sustainability indicators. The GSP and GSAs are not responsible for remediation of existing poor groundwater quality in the EBP Subbasin, as regulated sites are addressed through other ongoing programs and under the jurisdictions of regulatory agencies such as Regional Water Quality Control Board (RWCQB) and Department of Toxic Substances Control (DTSC). However, the GSP will document baseline conditions and management actions that avoid significant and unreasonable degradation of groundwater quality due to groundwater extraction or other projects planned for ongoing groundwater sustainability.

As described in the Subtask 4.1 TM, groundwater quality data were compiled from a variety of publicly available data sources, including GeoTracker, CASGEM, USGS, ACPWA, ACWD, EBMUD, Hayward, and various other reports. In general, groundwater quality data are available in the basin from 1955 through 2019, but spatial coverage of the data for a given aquifer at any given time (e.g., spring or fall) is limited. Intermediate and Deep Aquifer Zone measurements are limited to the southern portion of the Subbasin, while little groundwater quality monitoring has occurred in primary aquifer zones in the northern portion of the Subbasin. Groundwater quality maps for selected constituents are described below.

5.3.1 Major Inorganic Constituents

For the purposes of this study, the major inorganic constituents have been defined as listed in **Table 5-1**. Detailed information is provided for these key constituents: TDS, chloride, nitrate, arsenic, and manganese. TDS is a key constituent as it provides a general indication of the overall quality of the groundwater and the ability to use it for municipal and domestic water supply, industrial, irrigation, and other purposes. Chloride concentrations provide a useful indicator regarding the occurrence of seawater intrusion. Nitrate is a common anthropogenic contaminant that is introduced at the surface through various activities such as wastewater treatment/disposal (e.g., septic tanks, percolation ponds), fertilizer application, and livestock operations. Arsenic is a naturally occurring constituent that tends to be more prevalent in certain types of sediments; it became a significantly greater concern for drinking water when the MCL was lowered approximately 20 years ago from 50 to 10 µg /L. Manganese is perhaps the most common of the naturally occurring constituents in groundwater that can be problematic for drinking water, and it has a secondary MCL that often requires treatment for drinking water wells.

Table 5-1: Inorganic Groundwater Quality Constituents of Primary Concern

Inorganic Groundwater Quality Constituents	
Alkalinity	Magnesium
Arsenic*	Manganese*
Calcium	Nitrate*
Chloride*	pH
Chromium (VI)	Potassium
Conductivity	Sodium
Hardness	Sulfate
Iron	Total Dissolved Solids*

*Constituents highlighted in detail in this TM.

Wells with groundwater quality data were classified with four different depth categories in the same manner as for groundwater level data: less than 50 ft bgs (Water Table Aquifer Zone), 50-200 ft bgs

(Shallow Aquifer Zone), 200-400 ft bgs (Intermediate Aquifer Zone), and deeper than 400 ft (Deep Aquifer Zone). Separate maps were prepared for each of the three different aquifer depth zones, and a single map was also prepared showing all wells deeper than 50 ft. The map for wells deeper than 50 ft includes wells with unknown well construction and composite wells. Five primary inorganic constituents were evaluated in detail with maps showing the distribution of each constituent in the Subbasin by aquifer for TDS, chloride, nitrate, arsenic, and manganese. Maps were prepared to show average and maximum concentrations for each of the five constituents for the Shallow, Intermediate, and Deep Aquifer Zones. The water quality maps are provided in **Appendix F**.

5.3.1.1 Total Dissolved Solids (TDS)

Total dissolved solids (TDS) provide a good indication of overall groundwater quality, and it may provide indications of naturally occurring saline water, seawater intrusion, and/or anthropogenic sources of salt loading (e.g., treated wastewater disposal, irrigated lands, etc.). The average and maximum TDS concentration maps for the Shallow Aquifer Zone indicate some wells with elevated TDS concentrations (i.e., greater than 1,500 mg/L) in the Richmond area at the northern end of the Subbasin, near the Bay between Alameda and Bay Farm Islands, and near the Bay in the southern portion of the Subbasin. The Intermediate Aquifer Zone has more limited data than for the Shallow Aquifer Zone, but this zone generally exhibits relatively good water quality in terms of TDS, although two wells with slightly elevated TDS concentrations between 1,000 and 1,500 mg/L occur near Bay Farm Island. Data for Deep Aquifer Zone TDS are limited to south of Alameda Island, but these data show relatively low average concentrations (less than 1,000 mg/L) and maximum concentrations less than 1,500 mg/L except for one well near Bay Farm Island (**Appendix F-1**). The map of average TDS concentrations for all wells deeper than 50 ft (including wells with unknown depths) indicates areas of elevated TDS include just south of the transition zone, in the northwest corner of Niles Cone Subbasin north of San Mateo Bridge adjacent to the EBP Subbasin, along the shoreline in western EBP Subbasin between Alameda Island and Bay Farm Island, in the middle to western portion of central Oakland, and in the Richmond area.

5.3.2.1 Chloride (Cl)

Chloride (Cl) concentrations can provide an indication of potential seawater intrusion and/or other sources of salinity. Average chloride concentrations for the Shallow Aquifer Zone in the southern half of the Subbasin were generally less than 250 mg/L for the majority of wells, but there were four wells greater than 250 mg/L. The highest average chloride concentrations in the Shallow Aquifer Zone occurred near the Bay between Alameda and Bay Farm Island, near the Bay immediately north and south of Hayward Regional Shoreline, and in the transition zone at the southern end of the Subbasin. Chloride data available for several wells in the Shallow Aquifer Zone in the Richmond area showed quite variable chloride concentrations ranging from less than 50 mg/L to greater than 250 mg/L in close proximity to each other. Intermediate Aquifer Zone chloride concentrations were generally less than 100 mg/L, except for two wells located near the Bay and Bay Farm Island with concentrations greater than 250 mg/L. Average and maximum Deep Aquifer Zone chloride concentrations were below 250 mg/L except for three wells on/near Bay Farm Island (**Appendix F-2**). The map of average chloride concentrations for all wells deeper than 50 ft (including wells with unknown depths) indicates areas of elevated chloride generally mimic those described above for TDS.

5.3.1.3 Nitrate (as NO3)

As would be expected, nitrate (as N) concentrations are generally greatest in the Shallow Aquifer Zone and lowest in the Deep Aquifer Zone. Multiple wells are indicated to have average and/or maximum concentrations of nitrate over the MCL (10 mg/L) in the Shallow Aquifer Zone, but no wells classified as Deep Aquifer Zone have nitrate concentrations greater than 10 mg/L (**Appendix F-3**). Potential sources of nitrate in the Subbasin include historical agricultural land uses, disposal of treated wastewater, and septic tanks. The map of average nitrate concentrations for all wells deeper than 50 ft (including wells with unknown depths) indicates several wells exceeding the MCL throughout the Subbasin; however, a greater number of wells have nitrate concentrations below the MCL. It is likely that most of the wells with unknown construction data shown on this map are screened in the upper 200 ft.

5.3.1.4 Arsenic

Arsenic data for the Shallow Aquifer Zone are limited in the southern portion of the Subbasin, but arsenic concentrations are generally less than 10 µg/L where data points are available. One well near the Bay and Hayward Regional Shoreline had arsenic exceeding 10 µg/L in the Shallow Aquifer Zone. There are several wells in the Shallow Aquifer Zone with arsenic data clustered together in the Richmond area. The vast majority of these wells have arsenic concentration that are less than 10 µg/L, but there were a couple wells with arsenic greater than 10 µg/L in this area. Arsenic data for the Intermediate Aquifer Zone are more limited than for the Shallow Aquifer Zone; seven wells located south of Oakland have arsenic results. Six of the seven locations had arsenic below 10 µg/L; the only location exceeding 10 µg/L is located in the San Lorenzo area (**Appendix F-4**). Deep Aquifer Zone arsenic data are only available south of Alameda Island and most of the wells showed arsenic concentrations less than 10 µg/L. Wells with arsenic concentrations above 10 µg/L in the Deep Aquifer Zone are located on/near Bay Farm Island and near Hayward Regional Shoreline. The map of average arsenic concentrations for all wells deeper than 50 ft (including wells with unknown depths) indicates generally isolated wells exceeding the MCL throughout the subbasin; however, the vast majority of wells have arsenic below the MCL.

5.3.1.5 Manganese

Manganese data for the Shallow Aquifer Zone are available for the Richmond area and in the southern part of the subbasin. Manganese data for the Intermediate and Deep Aquifer Zones are only available in the southern half of the subbasin. Average manganese concentrations (**Appendix F-5**) for all aquifer zones are generally above the 50 µg/L MCL. Only the Shallow Aquifer Zone has a few wells with average manganese concentrations below the MCL. Review of the map of average manganese concentrations for all wells deeper than 50 ft (includes wells with unknown depths also) indicates some additional wells with manganese concentrations less than the 50 µg/L MCL, but the majority of wells have manganese concentration that exceed the MCL. Manganese is a common naturally occurring constituent and often requires treatment in water supply wells.

5.3.2 Isotopes

The isotopic composition of groundwater can be used as tracers of water source or recharge location (stable isotopes of the water molecule (δ^{18}O and δD) and noble gas recharge temperatures), or as indicators of subsurface residence time (tritium, tritium-helium, ^{14}Carbon, radiogenic ^{4}Helium). Evaluation of isotopes relative to water source, recharge location, and residence time is described below. In addition, these same tracers, along with dissolved radon and stable isotopes of nitrate and inorganic carbon, have been applied in studies of surface water-groundwater interaction in EBP Subbasin creeks and in examination of water quality, especially nutrients (see Section 5.6).

5.3.2.1 Stable Isotopes of H_2O

Stable isotopes are particularly powerful as tracers of water sources in the EBP Subbasin because of the high contrast in isotopic signatures between locally-derived and imported water sources. The contrast in $\delta^{18}O$ for these end members is up to 7‰, while the analytical uncertainty is 0.3‰ (thus, the contrast is much greater than the uncertainty in the lab results).

The large majority of well water samples in the EBP Subbasin have $\delta^{18}O$ values that fall between -5.6‰ and -7.3‰, in the range expected for local, meteoric water (**Figures 5-48 and 5-49**). As noted in Izbicki et al., 2003, there is no apparent evidence for widespread leakage of imported water to groundwater based on the existing stable isotope analyses in wells within the EBP Subbasin. Only 10 of the 155 samples with results for $\delta^{18}O$ have values <-8‰; of these samples; 4 are easily explained as they are from wells influenced by the Bayside Well, another 4 are from springs along the Hayward Fault (one that falls well below the Global Meteoric Water Line may be incorrectly reported). It may be that the wells tested, even those screened in the shallow aquifers, are too deep for an imported water signal to be detected.

Alternatively, most leakage from infrastructure carrying imported water may be concentrated in highly urbanized areas where few wells with stable isotope results are located. As noted below, baseflow samples (presumably fed by shallow groundwater) from Codornices Creek at the highly urbanized Berkeley-Albany boundary shows isotopic evidence for a significant component of imported water contributing to streamflow. Similarly, isotopic analyses of Wildcat Creek in Tilden Park, where a golf course is irrigated with imported water, indicate that a significant portion of streamflow downstream of the golf course comprises imported water. These results indicate additional sampling from shallow wells in urban areas would be necessary to better understand contributions to recharge from imported surface water sources.

Nearly all of the stable isotope samples from the EBP Subbasin fall on or close to the Global Meteoric Water Line (GMWL), but a few show signs of evaporation, and fall below the GMWL on a line with a lower slope (**Figure 5-49**). These few wells are shallow with very high chloride concentrations that are influenced by estuarine sediments.

Because there is a gradient in precipitation and similarly, in the stable isotope signature of precipitation, from west to east across the EBP Subbasin, there is an opportunity to use stable isotopes to differentiate recharge in the East Bay Hills from recharge related to more local precipitation in wells. More data in shallow wells in the southern portion of the Subbasin are needed to establish whether a gradient is present in groundwater. Similarly, more shallow wells near streams, and in perpendicular transects across the main streams, are needed to delineate and quantify stream recharge. Existing data indicate that local precipitation is the likely source of recharge in the southern portion of the Subbasin, at least to wells where stable isotopes have been measured. Recent studies near small streams in the northern portion of the Subbasin indicate that imported water from leakage and/or excess irrigation may contribute significantly to recharge in these northern areas.

5.3.2.2 Groundwater Age

Residence time indicators provide valuable information regarding key groundwater characteristics, which can be used to assess contamination vulnerability and sustainability of groundwater pumping. Groundwater age can also inform understanding of basin characteristics and recharge dynamics, which can provide information related to groundwater sustainability strategies, help with model calibration, or increase confidence in model results. In as much as apparent groundwater ages based on environmental tracer data reflect the mean residence time of groundwater, groundwater age (in combination with recharge rate) provides a measure of sustainability.

Tritium (^{3}H) is a very low abundance (around 1 part in 10^{17} of total hydrogen), radioactive isotope of hydrogen with a half-life of 12.34 years. Natural tritium is produced in the earth's atmosphere by cosmic radiation. Atmospheric nuclear weapons testing in the 1950s and early 1960s released tritium to the atmosphere at levels several orders of magnitude above the background concentration (**Figure 5-50**). This atmospheric tritium enters groundwater (as H_2O, with one hydrogen atom as tritium) during recharge. Tritium concentration in groundwater is reported in units of picoCuries per liter (pCi/L), and it has a regulatory limit (MCL) of 20,000 pCi/L. In recent decades, tritium has returned to nearly pre-nuclear levels, and precipitation in the East Bay has a tritium activity of approximately 12 pCi/L. Its concentration in groundwater decreases by radioactive decay, mixing and dilution with older non-tritiated groundwater, and dispersion.

Compiled tritium data reveal a preponderance of pre-modern water in the EBP Subbasin (**Figure 5-51**). This is consistent with the Izbicki et al. (2003) finding that tritium-bearing water, indicating at least a component recharged in the last 60 years, is found only shallower than a depth of approximately 250 ft and only within about 3 miles of the mountain front recharge area. However, an examination of tritium in wells near San Leandro Creek and San Lorenzo Creek, at greater distances from the mountain front, could reveal recent recharge from those streams in shallow alluvium in the western portion of the subbasin.

The highest tritium concentrations reported in Izbicki et al. and in USGS Groundwater Ambient Monitoring & Assessment (GAMA) reports are consistent with tritium concentrations in precipitation. However, some high tritium activities (>69 pCi/L) in wells near the southern boundary of the EBP Subbasin (reported in Teague et al., 2019) are unusual (**Figure 5-52)**. These high tritium activities could have a more recent local source, and potentially could be exploited as a tracer of groundwater flow. It should be noted that these "high" tritium activities are still two orders of magnitude below the MCL for tritium in drinking water.

Tritium and its daughter product ^{3}He can be used to calculate a groundwater age with relatively low uncertainty of +/- 2 years in most cases. In the EBP Subbasin, only 15 wells have reported ^{3}H-^{3}He ages, ranging from 6 to 58 years. Very young water (<10 years) is found in only one well (4S/1W-17M8, a shallow monitoring well in the southern portion of the basin), while ages in the 20 to 40 year range are found in shallow wells near the mountain front.

For wells devoid of tritium, the longer-lived ^{14}C, and accumulated radiogenic ^{4}He, are useful markers of older groundwater. Only 20 wells in the EBP Subbasin have the full suite of noble gas analyses that allow calculation of radiogenic ^{4}He. Wells screened in the Shallow Aquifer Zone have very low ^{4}He concentrations, while wells in the Deep Aquifer Zone have very high concentrations. This is expected, because deep aquifers host groundwater with longer residence times during which ^{4}He accumulates due to the slow decay of Uranium and Thorium. However, the ^{4}He concentrations observed in EBP Subbasin Deep Aquifer Zone are at least one order of magnitude higher than expected considering the age of host sediments (Plio-Pleistocene) and compared to ^{14}C groundwater ages. This may be explained by a high basal flux of ^{4}He from Franciscan bedrock to overlying aquifer sediments. Application of radiogenic ^{4}He in groundwater age dating is complex even without the additional complication of basal flux; therefore, determination of absolute groundwater ages from radiogenic ^{4}He is unlikely to yield satisfactory results in the EBP Subbasin.

^{14}C data are available for 48 wells in the EBP subbasin, which a large number considering the expense involved in the analysis of low level ^{14}C (**Figure 5-53**). As discussed in Section 7.3 below, absolute ages determined from raw ^{14}C data involve significant corrections because of the complex chemistry of dissolved inorganic carbon in soil and groundwater. Relative ages and spatial patterns in raw ^{14}C activity are more likely to be reliably interpreted than absolute ages. As shown in **Figure 5-54**, samples with relatively high tritium activity typically have greater than 80 percent modern Carbon. Samples with low or non-detectable tritium have <80 percent modern Carbon, which translate to a wide range in interpreted ages, from 2,100 to 31,000 years. In mixed-age samples, ^{3}H-^{3}He ages (0-60 years) represent the mean, apparent age of the young (tritium-containing) portion of the sampled groundwater, while ^{14}C represents the apparent age of the oldest component.

In summary, tritium activity in groundwater in the southern portion of the Subbasin is consistent with recharge in the East Bay Hills portion of the Subbasin, and long groundwater residence times in the deeper aquifers. Given the moderate rates of both recharge to and discharge from the Deep Aquifer Zone in the southern portion of the Subbasin, the long residence times indicate a very large storage volume and generally effective confining units. The large storage volume is a positive sign for sustainability of groundwater use in the southern portion of the Subbasin. More information on recharge rates and vertical transport would refine the assessment of sustainability. The long residence times and confining units in the southern portion are also a good indicator of low susceptibility for contamination from near-surface sources.

5.3.3 Environmental Sites

A long history of commercial and industrial activities in the East Bay Plain has resulted in the release of pollutants into the soil and groundwater system. To characterize the extent of contamination, a review of publicly available data from State of California databases was conducted. DWR's GeoTracker database is the Water Boards' data management system for sites that impact, or have the potential to impact, water quality in California, with an emphasis on groundwater.

GeoTracker was used to plot the location of open contaminant sites by site type in the subbasin (**Figure 5-55**). Although contaminant sites are distributed throughout the entire subbasin, there is a denser concentration of sites in the Emeryville, Oakland, Alameda, and northern San Leandro areas compared to the rest of the subbasin area. Most contaminant sites are classified as Cleanup Program Sites and Leaking Underground Storage Tank (LUST) Cleanup Sites; however, there are also several military-related sites in western Alameda and western Oakland.

GeoTracker was also used to query groundwater quality data for contamination sites of greatest concern within the EBP Subbasin. The query parameters included contamination data within the past year (2018-2019) for the following contaminants:

- perchloroethene (PCE)
- trichloroethene (TCE)
- total petroleum hydrocarbons (TPH)
- benzene (B)
- toluene (T)
- ethylbenzene (E)
- xylenes (X)
- methyl tert-butyl ether (MTBE)
- hexavalent Chromium (CrVI)

The contaminants and dates selected for the query were based on the need to establish current baseline conditions for the most common and potentially impactful contaminants. The vast majority (by number of sites) of the groundwater contamination sites present in the East Bay Plain are a result of the release of fuel-related contaminants (gasoline, benzene, toluene, ethylbenzene, xylenes, and methyl tert-butyl ether) from leaking underground storage tanks. These fuel-related contaminants are typically found in the shallow groundwater system as their density is lighter than water and they tend to "float" on the water table. As such, they pose less of a concern to groundwater resources than chlorinated solvents, which tend to sink as their density is greater than that of water. **Appendix G** provides maps and tabulated data of the TPH, BTEX, and MTBE groundwater contamination in the East Bay Plain in 2018-2019.

TCE and PCE are present at multiple locations within the East Bay Plain. According to the EPA, TCE is used as a solvent, as an intermediate for refrigerant manufacture, and as a spot removal agent in dry cleaning facilities. The majority (about 84 percent) of TCE is used in a closed system as an intermediate chemical for manufacturing refrigerant chemicals. Much of the remainder (about 15 percent) is used as a solvent for metals degreasing, leaving a small percentage to account for other uses, including use as a spotting agent in dry cleaning and in consumer products. Perchloroethylene (also known as, 1,1,2,2-tetrachloroethane, tetrachloroethylene; and PCE) is a volatile organic compound (VOC) that is used as a solvent in a wide range of industrial, commercial, and consumer applications. The primary use for perchloroethylene is to produce fluorinated compounds, such as hydrofluorocarbons (HFCs) and hydrochlorofluorocarbons (HCFCs), as a solvent in dry cleaning, and vapor degreasing solvents. Other uses include in a variety of commercial and/or consumer products such as automotive care products, cleaning and furniture care products, lubricants and greases, adhesives and sealants, paints, and coatings.

A summary of the sites with current TCE and PCE concentrations above the MCL of 5 µg/L are provided in **Table 5-2** and **Appendix G**. Current PCE and TCE groundwater contaminant concentrations in the East Bay Plain range from 0 to 8,800 µg/L and occur at depths between approximately 3-121 ft bgs. The highest concentrations occur at the Chevron Chemical site in the city of Richmond.

Table 5-2: Sites with Existing TCE, PCE, and Hexavalent Chromium Groundwater Contamination

Site #	Site Name	City Zip Code	GeoTracker #	Chemicals	Well Depths (ft)	Concentration (µg/L)	Case Status/Type
1	Davis Court	Hayward 94545	T10000011211	PCE	13-15	1.3-15	Open - Site Assessment as of 1/22/2018 Voluntary Remedial Action Agreement
2	Young's Cleaners	Oakland 94605	SL18344764	PCE TCE	25-50	0.5-3100 0-96	Open - Assessment and Interim Remedial Action as of 1/10/2014 Cleanup Program Site
3	Berkeley Business Center	Berkeley 94710	T0600100174	PCE TCE	20-29	0-198 0-2,830	Open - Site Assessment as of 8/1/2017 LUST Cleanup Site
4	Cargill Salt	Alameda 94501	SL0600177511	PCE TCE	9-19	0-160 0-14	Open - Inactive as of 12/20/2017 Cleanup Program Site
5	Plaza Car Wash	Albany 94706	T0600101089	PCE TCE	11-15	0-110 0-55	Open - Verification Monitoring as of 8/6/2018 LUST Cleanup Site
6	Chevron Chemical	Richmond 94801	SL18244665	PCE TCE	3-121	0-220 0-8,800	Open - Verification Monitoring

Site #	Site Name	City Zip Code	GeoTracker #	Chemicals	Well Depths (ft)	Concentration (µg/L)	Case Status/Type
							as of 9/1/2009 Cleanup Program Site
7	Chevron	Emeryville 94608	SLT2O07076	PCE TCE	13-17	0-6 0-35	Open - Site Assessment as of 12/13/1995 Cleanup Program Site
8	411 High Street	Oakland 94601	SL20244862	PCE TCE	6-28	0-160 0-160	Open - Remediation as of 4/29/2009 Cleanup Program Site
9	Exxon	Albany 94706	T0619716673	PCE TCE	40-45	0-32 0-8.7	Open - Assessment and Interim Remedial Action as of 1/31/2012 LUST Cleanup Site
10	Xtra Oil	Alameda 94501	T0600101803	PCE TCE	5-20	0-730 0-320	Open - Assessment and Interim Remedial Action as of 3/6/2007 LUST Cleanup Site
11	McGrath Steel Company	Emeryville 94608	T0600102099	TCE	6-22	0-39	Open - Assessment and Interim Remedial Action as of 5/2/2012 LUST Cleanup Site

Site #	Site Name	City Zip Code	GeoTracker #	Chemicals	Well Depths (ft)	Concentration (µg/L)	Case Status/Type
12	Mel Senna Brake Service	Oakland 94601	T0600101212	TCE	4-8	0-42	Open - Assessment and Interim Remedial Action as of 3/1/1991 LUST Cleanup Site
13	Grimit Auto Repair & Service	Oakland 94621	T0600100667	TCE	5-18	0-12	Open – Verification Monitoring as of 3/20/2018
14	WRE/ColorTech	Berkeley 94710	SL20228846	Chrome VI	15-21	0-2,500	Open – Assessment and Interim Remedial Action as of 5/31/2019

Notes:

µg/L, micrograms per liter

Case Status definitions

1) Open – Assessment & Interim Remedial Action
An “interim” remedial action is occurring at the site AND additional activities such as site characterization, investigation, risk evaluation, and/or site conceptual model development are occurring.

2) Open – Inactive
No regulatory oversight activities are being conducted by the Lead Agency.

3) Open – Remediation
An approved remedy or remedies has/have been selected for the impacted media at the site and the responsible party (RP) is implementing one or more remedies under an approved cleanup plan for the site. This includes any ongoing remedy that is either passive or active or uses a combination of technologies. For example, a site implementing only a long-term groundwater monitoring program, or a “monitored natural attenuation” (MNA) remedy without any active groundwater treatment as part of the remedy, is considered an open case under remediation until site closure is completed.

4) Open – Site Assessment
Site characterization, investigation, risk evaluation, and/or site conceptual model development are occurring at the site. Examples of site assessment activities include, but are not limited to, the following: 1) identification of the contaminants and the investigation of their potential impacts; 2) determination of the threats/impacts to water quality; 3) evaluation of the risk to humans and ecology; 4) delineation of the nature and extent of contamination; 5) delineation of the contaminant plume(s); and 6) development of the Site Conceptual Model.

5) Open – Verification Monitoring (use only for UST, Chapter 16 regulated cases)

> Remediation phases are essentially complete, and a monitoring/sampling program is occurring to confirm successful completion of cleanup at the Site. (e.g., No "active" remediation is considered necessary or no additional "active" remediation is anticipated as needed. Active remediation system(s) has/have been shut-off and the potential for a rebound in contaminant concentrations is under evaluation).

A summary of each site listed in **Table 5-2** is provided in the following sections.

5.3.3.1 Site 1: 2230 & 2242 Davis Court (GeoTracker number T10000011211)

Site 1 is in an industrial area of Hayward and has an open status of "site assessment" as of 1/22/2018. This site was identified as having groundwater contamination in 2017 and the responsible party is currently addressing data gaps. There are four groundwater monitoring wells at the site with depths ranging from 13-15 ft. The primary groundwater contaminants include diesel, lead, PAHs, PCE, and waste oil. PCE concentrations in groundwater range between 1.3 and 15 µg/L.

5.3.3.2 Site 2: Young's Cleaners (GeoTracker number SL18344764)

Site 2 is in a commercial shopping center in Oakland, is approximately 13.5 acres in size, and has an open status of "assessment and interim remedial action" as of 1/10/2014. There are 12 groundwater monitoring wells at this site with depths ranging from 25-50 ft. The primary groundwater contaminants include PCE and TCE. PCE and TCE concentrations in groundwater range between 0.5 and 3,100 µg/L, and 0 and 96 µg/L, respectively. Large volumes of contaminated soil have been removed from the site and a horizontal extraction piping, sub-slab depressurization system, and soil vapor extraction system were installed and began operation in January 2014.

5.3.3.3 Site 3: Berkeley Business Center (GeoTracker number T0600100174)

Site 3 is a LUST cleanup site located at a 10.5-acre industrial site in Berkeley and has an open status of "site assessment" as of 8/1/2017. There are six groundwater monitoring wells at this site with depths ranging from 20-29 ft. The primary groundwater contaminants include: TPH, PCE, and TCE. PCE and TCE concentrations in groundwater range between 0 and 198 µg/L, and 0 and 2,830 µg/L, respectively. There is a likely orphaned TCE groundwater plume at the Site whose source nature and extent have not been defined as of 9/1/16.

5.3.3.4 Site 4: Cargill Salt (GeoTracker number SL0600177511)

Site 4 is in Alameda and has an open status of "inactive" as of 12/20/2017. There are four groundwater monitoring wells at the site with depths ranging from 9-19 ft. The primary groundwater contaminants include: PCE, TCE, and cis-1,2-DCE, with concentrations exceeding their respective MCLs. PCE and TCE concentrations in groundwater range between 0 and 160 µg/L, and 0 and 14 µg/L, respectively. A phytoremediation project was implemented to cleanup PCE in groundwater in June 2005 and groundwater monitoring has continued to assess the effectiveness of the phytoremediation project.

5.3.3.5 Site 5: Plaza Car Wash (GeoTracker number T0600101089)

Site 5 is a LUST cleanup site located in Albany and has an open status of "verification monitoring" as of 8/6/2018. There are eight groundwater monitoring wells at the site with depths ranging from 11-15 ft. The primary groundwater contaminants include: PCE, TCE, diesel, and gasoline. PCE and TCE concentrations in groundwater range between 0 and 110 µg/L, and 0 and 55 µg/L, respectively. Currently verification monitoring is ongoing to determine if additional remedial investigation should be conducted.

5.3.3.6 Site 6: Chevron Chemical (GeoTracker number SL18244665)

Site 6 is a former RCRA site in Richmond and was administered by the DTSC until transfer in 1997 to the Regional Board. This site has a long history of site investigation, remediation, and monitoring, and has an open status of "verification monitoring" as of 9/1/2009. From 1937 to 1997, the site was used for production of pesticides and gasoline additives and the contaminants of concern include: PCE, TCE, benzene, pesticides, and toluene. There are 30 groundwater monitoring wells at the site with well depths ranging from 3-121 ft. PCE and TCE concentrations in groundwater range between 0 and 220 µg/L, and 0 and 8,800 µg/L, respectively. Currently verification monitoring is ongoing to determine if additional remedial investigation should be conducted.

5.3.3.7 Site 7: Chevron #20-6265 (GeoTracker number SLT2O07076)

Site 7 is a former Chevron bulk asphalt plant terminal located in Emeryville and has an open status of "site assessment" as of 12/13/1995. There are 20 wells at the site with depths ranging from 13-17 ft. The primary groundwater contaminants include TCE, PCE, benzene, and gasoline. PCE and TCE concentrations in groundwater range between 0 and 6 µg/L, and 0 and 35 µg/L, respectively.

5.3.3.8 Site 8: 411 High Street (GeoTracker number SL20244862)

Site 8 is located in Oakland and operated as a bulk terminal for storing, shipping, and receiving chemical products (petroleum primarily) on the property from 1946 to 1975. The site is co-located with 401 High Street, another bulk petroleum terminal that operated roughly during the same period. The site has an open status of "remediation" as of 4/29/2009. Well depths at the site range from 6-28 ft and contaminants of concern include: PCE, TCE, benzene, diesel, gasoline, toluene, and xylene. PCE and TCE concentrations in groundwater range between 0 and 160 µg/L for both. Investigations at the property have revealed that soil and groundwater have been impacted by various solvent chemicals and petroleum constituents associated with the former ARCO and possibly Foster Chemical operations. Multiple remediation activities are ongoing.

5.3.3.9 Site 9: Exxon Gasoline Station (GeoTracker number T0619716673)

Site 9 is a LUST cleanup site, former Exxon gasoline station, located in Albany and has an open status of "assessment and interim remedial action" as of 1/31/2012. There are 15 groundwater monitoring wells at the site with depths ranging from 40-45 ft. The contaminants of concern include: PCE, TCE, benzene, gasoline, and diesel. PCE and TCE concentrations in groundwater range between 0 and 32 µg/L, and 0 and 8.7 µg/L, respectively. Numerous soil vapor extraction wells have been installed for the purpose of remediation and have been in continuous operation since 2018.

5.3.3.10 Site 10: Xtra Oil (GeoTracker number T0600101803)

Site 10 is a LUST cleanup site and currently operating gasoline service station located in Alameda with an open status of "assessment and interim remedial action" as of 3/6/2007. There are four groundwater monitoring wells with depths ranging from 5-20 ft. The primary contaminants of concern include PCE, TCE, benzene, diesel, ethylbenzene, gasoline, toluene, and xylene. PCE and TCE concentrations in groundwater range between 0 and 730 µg/L, and 0 and 320 µg/L, respectively. Numerous interim remedial actions and pilot studies have been implemented but were found not to be effective. Ozone injection is planned for implementation.

5.3.3.11 Site 11: McGrath Steel Company (GeoTracker number T0600102099)

Site 11 is a LUST cleanup site in Emeryville and has an open status of "assessment and interim remedial action" as of 5/2/2012. There are 13 groundwater monitoring points at the site with depths ranging from 6-22 ft. The primary groundwater contaminants of concern include: TCE, benzene, diesel, and gasoline. TCE concentrations in groundwater range between 0 and 39 µg/L. Interim Remedial Actions have been proposed and approved based on the potential for vapor intrusion at and downgradient of the site.

5.3.3.12 Site 12: Mel Senna Brake Service (GeoTracker number T0600101212)

Site 12 is a LUST cleanup site in Oakland and has an open status of "assessment and interim remedial action" as of 3/1/1991. There are nine groundwater monitoring wells at the site with depths ranging from 4-8 ft. The primary groundwater contaminants of concern include: TCE, diesel, gasoline, and waste oil. TCE concentrations in groundwater range between 0 and 42 µg/L. Substantial secondary and residual source remains in the former UST's excavation areas and corrective actions are required.

5.3.3.13 Site 13: Grimit Auto Repair & Service (GeoTracker number T0600100667)

Site 13 is a LUST cleanup site in Oakland and has an open status of "verification monitoring" as of 3/20/2018. There are nine groundwater monitoring wells at the site with depths ranging from 5-18 ft. The primary groundwater contaminants of concern include: TCE, benzene, ethylbenzene, gasoline, toluene, xylene, and waste oil. TCE concentrations in groundwater range between 0 and 12 µg/L.

5.3.3.14 Site 14: WRE/ColorTech (GeoTracker number SL20228846)

Site 14 is an active plating and engraving facility located in Berkeley and has an open status of "assessment and interim remedial action" as of 5/31/2019. There are 16 wells at the site with depths ranging from 15-21 ft. The primary groundwater contaminant of concern is hexavalent chromium (CrVI), with concentrations in groundwater ranging between 0 and 2,500 µg/L. The site is currently undergoing remedial activities.

5.4 Seawater Intrusion

Generally, aquifers interfacing with seawater have the potential for seawater intrusion when groundwater levels decline below mean sea level. However, geologic conditions and the connection between aquifers and the seabed are equally important in determining the potential occurrence of seawater intrusion. Thus, an evaluation of seawater intrusion potential requires a detailed understanding of both groundwater level conditions and geologic conditions relating to the nature and occurrence of aquifers and aquitards.

Figure 5-56 depicts seawater intrusion scenarios for aquifers of a costal basin. Typically, an unconfined aquifer in a coastal groundwater basin can be subject to seawater intrusion when groundwater levels fall below sea level. In this case, there is no hydraulic barrier of fine-grained units to slow or prevent inland migration of saline water to pumping wells. In multi-layered aquifer/aquitard systems where an unconfined aquifer is underlain by confined aquifers, potential for seawater intrusion is a function of both groundwater elevations (or pressure head in a confined aquifer) and stratigraphic relationships. If the confined aquifer outcrops or intersects the seabed, significant potential for seawater intrusion still exists when confined aquifer pressure heads are maintained below sea level. A confined aquifer is also susceptible to seawater intrusion when the confining layer(s) have thin spots or “holes” and/or when improperly abandoned wells form conduits between an upper unconfined aquifer that may be intruded and the confined aquifer. However, if a confined aquifer does not intersect the seabed and has adequate confining layer(s), it may be able to withstand long-term pressure heads below sea level without experiencing seawater intrusion.

A hydrogeologic study conducted by USGS (2003) included some analyses that relate to potential for seawater intrusion in the EBP Subbasin. These components of the USGS study involved review of the tidal response and groundwater levels, which indicated that vertical hydraulic conductivity is very low and areally extensive confining layers limit vertical movement of groundwater between aquifers. Furthermore, USGS determined that the lateral extent of the lower aquifer beneath San Francisco Bay is greater than for the upper aquifer system. A review of the history of seawater intrusion in the EBP Subbasin compared with the Niles Cone Subbasin helps to further illustrate some of these hydrogeologic features as they relate to potential for seawater intrusion. Both the Niles Cone Subbasin and the EBP Subbasin experienced extensive groundwater pumping for water supply from the early 1900s through the 1960s. The importation of surface water from outside the EBP and Niles Cone Subbasin watersheds by the 1960s resulted in greatly reduced and/or balancing of groundwater pumping after the 1960s. Groundwater elevations declined below sea level in all aquifers in the Niles Cone Subbasin and in the Intermediate to Deep Aquifer Zones of the EBP Subbasin during at least the 1950s and 1960s (and likely prior to this time as well). Although data are limited, apparently shallower aquifer groundwater levels in certain areas of the East Bay Plain near the Bay shoreline were also drawn down below sea level during this time.

In the Niles Cone Subbasin, the occurrence of groundwater levels below sea level resulted in extensive seawater intrusion throughout a large portion of the entire multi-aquifer system below the Hayward Fault. While the Shallow Aquifer Zone was the primary intruded aquifer initially, seawater intrusion was able to migrate inland far enough to reach areas with thin or no aquitards overlying lower aquifers; this allowed underlying aquifers to be intruded by seawater. It is also possible that seawater intrusion may have migrated downward through areas with thinner aquitards and/or through improperly abandoned wells closer to the Bay margin.

In the case of the EBP Subbasin, the occurrence of aquifers and aquitards is quite different than in Niles Cone Subbasin. While Niles Cone has multiple extensive and relatively continuous aquifers at different depth intervals, including the relatively shallow zone (Newark Aquifer in upper 150 ft bgs), the shallow and intermediate depth zones in the EBP Subbasin only have relatively isolated and discontinuous coarse-grained layers. The shallow and intermediate zones are primarily fine-grained without well-defined aquifers in the EBP Subbasin. As a result, saline Bay water that may flow into the EBP Subbasin encounters shallow disconnected coarse-grained zones that limit lateral inland flow and substantial impedance to vertical flow due to the presence of thick layers of fine-grained sediments such as clay.

While seawater intrusion has occurred in locally small areas of the Shallow Aquifer Zone near the Bay margin in the EBP Subbasin, seawater was unable to migrate downward into Intermediate and Deep Aquifer Zones due to the presence of relatively thick and continuous clay layers. Groundwater elevations from at least the 1950s through 1970s were substantially below sea level in the Intermediate and Deep Aquifer Zones in the EBP Subbasin as documented in Section 5.1; however, this extended period of low groundwater elevations did not result in seawater intrusion in the EBP Subbasin Intermediate and Deep Aquifer Zones.

Norfleet Consultants (1998) report described localized reports of saline or brackish water intrusion in shallow aquifers in the EBP Subbasin, including: the High Street well field in Alameda in 1892, Merritt sands along east side of Alameda Island in the 1890s, west Berkeley in 1893, the San Pablo well fields 1 and 2 in Richmond from 1916 to 1919, and the Alvarado and Fitchburg areas in 1924. After 1930, the well fields north of Alvarado, which is located in the northern portion of the Niles Cone Subbasin, were shut down due to availability of surface water. Figuers noted, “Even though the Niles Cone area continued to experience salt water intrusion in the 1930’s, 1950’s, and 1960’s, there is no indication that salt water intrusion occurred to the north after the 1920’s.” Figuers further noted that salt water intrusion in the deeper aquifers was a localized problem in the Niles Cone, but that it was unlikely that saltwater intrusion in the deeper aquifers occurred in the East Bay Plain.

Regarding saltwater intrusion in the San Leandro Cone, the DWR (1967) report states,

> *“Because water levels in the upper portion of the cone tend to remain above sea level throughout the year, only a few shallow wells near the southeastern edge of the cone show any evidence of salt water intrusion from San Francisco Bay. The draft of aquifers in the upper 200 ft of the cone has not been sufficient to lower water levels to a point where salt water could intrude into the permeable area at the apex of San Leandro cone and thence move downward to greater depths. Deeper aquifers are protected from salt water intrusion from San Francisco Bay because of the high clay content in the overlying alluvium, even though the pressure head in these aquifers is considerably below sea level.”*

DWR (1968) noted salinity was elevated (i.e., unsuitable for use) in individual deep aquifer wells in the northeast portion of the City of Newark and in the Alvarado area. The Alvarado area is located in the southern portion of the transition zone defined by LSCE (2003) between wells 4S/2W-9F14 and 4S/2W-10E4. The presence of high salinity in Niles Cone Deep Aquifer wells at this location in the 1960s may be related to previous heavy pumping from the Alvarado wellfield documented in Figuers (1998). The Alvarado wellfield location documented by Figuers (1998) appears to be located approximately 7,500-8,000 ft southeast of Hayward Well E.

Review of the ACWD groundwater monitoring report with 2015 field data (ACWD, 2016) indicates two Deep Aquifer Zone wells with elevated TDS (1,300-1,600 mg/L) and chloride (580-639 mg/L) levels (4S/2W-5G3 screened from 550-590 ft bgs and located north of transition zone; 4S/2W-9F14 screened from 390-450 ft bgs and located in the southern portion of transition zone). ACWD well 4S/2W-5G2 is screened from 400-440 ft bgs at the same location as 4S/2W-5G3 and has relatively low TDS (440 mg/L) and chloride (80 mg/L) concentrations. Hayward Wells C and E both had TDS of 500 mg/L and chloride concentrations of about 120 mg/L when sampled in 2015.

Given the historical occurrence of EBP Subbasin Intermediate and Deep Aquifer Zones having sustained groundwater elevations of -100 ft msl or deeper, the amount of groundwater pumping in the EBP Subbasin during this time (i.e., prior to 1965) may serve as a guide to sustainable pumping within EBP Subbasin related to the potential for seawater intrusion. There are limited data available regarding groundwater pumping in the EBP Subbasin prior to 1965; however, available data sources described in Section 6 indicate groundwater pumping during this time was at least 10,000 AFY and more likely substantially greater. The potential for seawater intrusion is an important consideration, and one of the six undesirable results under SGMA, that must be accounted for in establishing the sustainable yield of the subbasin. Review of subbasin geologic and historical groundwater conditions indicate the potential for seawater intrusion in the EBP Subbasin is significantly less than in the Niles Cone Subbasin to the south. Thus, seawater intrusion may not be the primary limiting criterion for establishing the sustainable yield for the EBP Subbasin. Nonetheless, the potential for seawater intrusion will be further evaluated in subsequent tasks of GSP development.

5.5 Land Subsidence

Land subsidence is a decline in ground surface elevation, which can occur from natural or human-induced causes. Natural causes of land subsidence include natural consolidation of sediment and tectonics (seismic activity), while human-induced causes are numerous and include hydrocarbon extraction, geothermal energy development, and groundwater pumping (LSCE, et.al., 2014). Groundwater pumping induced subsidence occurs when pumping causes a reduction in fluid pressure that causes fine-grained materials (clay/silt particles) to be rearranged (flatten), thereby causing compaction (reduction in thickness) of a fine-grained layer (**Figure 5-57**). The groundwater pumping induced compaction causing land subsidence can be either elastic or inelastic. Elastic compaction or deformation means that it is reversible when fluid pressures increase again, whereas inelastic deformation means that the compaction at lower fluid pressures is permanent and will not be reversed with future increases in fluid pressure. Small amounts of seasonal elastic deformation are quite common and typically do not cause problems with infrastructure (e.g., production wells, canals, buildings), but significant amounts of inelastic land subsidence have been and are occurring in various groundwater basins in California. Permanent land subsidence can result if current groundwater pumping lowers groundwater levels below historically low levels as discussed below.

Over geologic time, the unconsolidated sediments of an alluvial basin are compacted naturally due to the weight of overlying sediments. This natural compaction results in a decrease in thickness and an associated lowering of the ground surface elevation. Although the natural compaction process is driven by the weight of overlying sediment (with greater weight experienced by deeper layers), the effective weight on a layer is balanced by the pore-fluid pressure in the layer. The pore-fluid pressure supports the soil structure and counteracts the weight of overlying soil. Therefore, the net weight felt by any sand or clay layer, termed the "effective stress," is equal to the weight of overlying soil minus the weight of overlying water.

Excessive groundwater pumping can cause land subsidence by compaction of sub-surface clay layers as groundwater levels decline to depths greater than the historical maximum (USGS, 1999). This process is due to this relationship between effective stress and pore-fluid pressure, whereby a decrease in groundwater level results in an increase in the effective stress. The increased effective stress may then cause compaction of clay layers, depending on the soil properties of the fine-grained unit experiencing an increase in effective stress.

As groundwater levels fluctuate in response to pumping, seasonal precipitation, and climatic cycles, the changes in effective stress will cause some amount of reversible (elastic) deformation in all aquifers and can cause irreversible (inelastic) compaction under certain circumstances. When the weight of overlying soil and overlying groundwater are within the range of historical conditions, the soil layers will generally respond elastically by alternately compressing and expanding in response to groundwater level changes. These reversible deformations are typically very small and do not result in perceivable impacts at the ground surface. However, when groundwater levels decrease below the maximum historical depth, there is the potential for clay layers to undergo significant, irreversible compaction as the clay minerals rearrange. This inelastic compaction causes a decrease in thickness of clay layers that results in an equivalent permanent lowering of ground surface elevation referred to as subsidence.

Similar to seawater intrusion, land subsidence is a potential undesirable result that can occur with certain groundwater level and geologic conditions. While the groundwater level conditions that can lead to seawater intrusion are similar to those that can lead to land subsidence (i.e., significant declines in groundwater elevation), the geologic conditions conducive to land subsidence are different. In general, thick and continuous clay layers can serve as important aquitards to help prevent seawater intrusion; however, these same thick/continuous clay layers may provide geologic conditions susceptible to subsidence. It is important to recognize that some clay layers are much more susceptible to compaction (and therefore land subsidence) than others. Some groundwater basins have 200 ft or more of decline in groundwater elevations, but still have no significant subsidence. Thus, it is very important to understand the properties of clay layers when evaluating subsidence.

Although land subsidence has not been documented historically or reported as being a problem in the EBP Subbasin, the potential for future increased pumping of the Deep Aquifer system within the East Bay Plain does require further evaluation and management of the potential for land subsidence. In the nearby northern Santa Clara Valley, land subsidence was significant in the post-World War II era (1945-1970) due to extensive groundwater pumping associated with irrigated orchards. However, there were no reports of significant subsidence in the Niles Cone groundwater basin, which is adjacent to the EBP, despite long periods with groundwater levels significantly below sea level (-60 ft msl) due to groundwater pumping prior to the mid-1960s. Documented subsidence during the time of maximum overdraft in Niles Cone Subbasin was less than one foot. The future potential for land subsidence in the EBP Subbasin due to groundwater withdrawal would only exist in areas where future groundwater levels are drawn down to below the lowest historical groundwater elevation. Information available to evaluate potential for subsidence in EBP Subbasin includes: conditions when groundwater levels were at historical lows; extensometer data collected during the eight-week regional pumping test; well logs and geologic cross-sections; and clay properties documented in USGS (2015).

Subsidence data in the EBP Subbasin watershed were gathered from the USGS and UNAVCO PBO (**Figure 5-58).** USGS subsidence monitoring is conducted by paired extensometer and water level monitoring in the southern portion of the Subbasin near the EBMUD Bayside Well (San Lorenzo area). Two extensometers exist at the site at depths of approximately 700 and 1,040 ft bgs. Extensometer data are available from 2008 through 2019. Subsidence monitoring by PBO is conducted by GPS at two sites in the EBP Subbasin watershed (east of the Hayward Fault): one is located in the northern portion of the Subbasin near Richmond and one is in the southern portion of the Subbasin near Hayward. Data are available from 1996 through 2019.

The potential for elastic or inelastic deformation in the EBP was investigated by the USGS and EBMUD in 2007 and 2008 (USGS, 2015). The USGS installed two extensometers located approximately 420 ft from the EBMUD Bayside Well (**Figure 5-59**) due to concerns raised during the Bayside Well CEQA process. The two extensometers were installed at the same location to depths of approximately 700 and 1,040 ft bgs. The extensometers allow for very detailed and accurate monitoring of compaction and subsidence at this location. Nested monitoring wells with separate well casings screened at five different depths were also installed by USGS at the extensometer site. The field investigation of aquifer-system deformation associated with groundwater-level changes was performed in conjunction with a pilot test of the Bayside Groundwater Project, a proposed 1 MGD aquifer storage and recovery project in San Lorenzo. The investigation included the collection of geophysical, hydrogeologic, and geochemical data from boreholes, piezometers, and extensometers constructed to a depth of up to 1,000 ft. Monitoring of the extensometers indicated elastic deformation of less than 0.005 foot (1.5 mm) associated with water level fluctuations of approximately 5 ft, and no measured inelastic compaction. Core samples indicated that sediments were normally consolidated at depths greater than 135 ft, with greater elastic specific storage and less inelastic specific storage than samples collected from the San Joaquin Valley.

The 8-week continuous pumping test of the Deep Aquifer (at 1,400 gpm) conducted by EBMUD in 2010 generated approximately 23 ft of drawdown in the Deep Aquifer at the extensometer location. This pumping test resulted in 0.015 ft (0.18 inches) of elastic compaction (i.e., the compaction was reversed following cessation of pumping) at the end of the eight week pumping period (**Figure 5-60**). Review of the data suggest that a continuous pumping period of six months may generate 0.043 ft (0.52 inches) of compaction. This elastic compaction can be expected to be slightly greater closer to the Bayside Well (but not more than about 0.02 ft greater over eight weeks of continuous pumping if compaction is proportional to drawdown), with less elastic compaction further from the Bayside Well. As stated above, the available extensometer data indicate only small amounts of elastic compaction and no inelastic compaction within the general range of pumping magnitude and duration encompassed by available data.

With regard to subsidence, it is important to evaluate historical declines in groundwater levels and develop an understanding of the previous occurrence (or lack thereof) of subsidence associated with certain groundwater levels. This is particularly important in the EBP Subbasin because the Intermediate and Deep Aquifer Zones historically experienced considerably more groundwater pumping than under current conditions. While overall historical groundwater level data are limited, there are adequate data in the southern portion of the subbasin to demonstrate that historical groundwater level declines in Intermediate and Deep Aquifer Zones were on the order of 100 ft below msl for several wells and ranged up to as much as 180-200 ft below mean sea level for some wells (**Figures 5-23 to 5-44** and **Appendices E-3 and E-4**). This general range of groundwater level declines likely occurred for an extended period of time (5 to 10 years or more), which is important from a perspective of the lag times typically associated with groundwater level declines and subsidence. In general, the longer that groundwater level declines are maintained at a certain level, the greater the total amount of inelastic subsidence (assuming that any occurs) that is going to be "squeezed" out of the system. When this is the case, historical low groundwater levels must be exceeded (i.e., even greater declines in groundwater levels needs to occur) to generate future inelastic subsidence.

The data discussed above indicate that the EBP Subbasin is not particularly susceptible to subsidence. Nonetheless, subsidence has at least a potential to occur if pumping causes groundwater levels below historical lows in areas of the EBP where thick clayey intervals overlie aquifers. The 3-D geologic and numerical groundwater models being developed for the EBP Subbasin GSP can be used to further evaluate areas that may be susceptible to subsidence with development of groundwater resources. Monitoring programs for subsidence will be recommended as appropriate as part of further GSP tasks.

5.6 Groundwater – Surface Water Interaction

The characterization of surface water-groundwater interactions is dependent on availability of streamflow data, shallow groundwater level data, and an understanding of stratigraphic relationships within the EBP Subbasin. Available data relative to these three key data components are described in other sections of this TM and in the Subtask 4.1 Data Gap Analysis TM. This section provides a review of the evaluation of surface water-groundwater interactions, which is a key sustainability indicator and is also important for assessment of groundwater dependent ecosystems (GDEs). Additional information on groundwater – surface water interactions within watersheds east of the EBP Subbasin is provided in **Appendix H**.

The general occurrence and distribution of the major aquifers and aquitards in the EBP Subbasin are described in Section 4.4. The Water Table Aquifer Zone (i.e., upper 50 ft of sediments) where the streams most directly interact with and recharge/discharge to shallow groundwater can generally be characterized as having a greater proportion of fine-grained sediments (clay and silt) with interbedded and generally discontinuous lenses of coarse-grained deposits (sand and gravel). Review of lithologic logs for shallow boreholes that emphasize characterization of the shallow zone lithology (e.g., environmental sites) more so than deeper water supply well logs indicates that shallow zone stratigraphy is quite variable among different streams and also quite variable at different locations along the same stream.

As described in Section 5.1, available groundwater level data have been evaluated for four different depth zones: 0-50 ft, 50-200 ft, 200-400 ft, and greater than 400 ft. Overall review of hydrogeologic conditions in the Subbasin in terms of geology and groundwater levels indicates that occurrence of perched aquifers is likely quite limited, although there may be local occurrences of perched/mounded aquifers. The distinction between a perched aquifer and what is referred to here as a perched/mounded aquifer is that a truly perched aquifer has an unsaturated zone beneath it, whereas a perched/mounded aquifer lies on top of a shallow clay layer (that may cause elevated local groundwater levels compared to the surrounding area) that does not have an unsaturated zone beneath it. Both conditions may result in shallow groundwater levels that interact with streams; however, only the perched/mounded aquifer has any potential to be impacted by pumping from the Intermediate and Deep Aquifer Zones. The potential for regional groundwater pumping to impact perched/mounded aquifers may be quite limited depending on geologic conditions, but this potential connection does require further evaluation.

An evaluation of depth to water (**Figures 5-61** and **5-62**) was conducted for wells screened in the shallow zone between ground surface and 50 ft bgs (referred to here as the Water Table Aquifer Zone). In general, the Water Table Aquifer depths to groundwater are less than 20 ft over most of the EBP Subbasin, although there are some areas with groundwater levels between 20-30 ft bgs or more. Overall, the depth to groundwater generally decreases from northeast (near the East Bay hills) to southwest (San Francisco Bay) across the subbasin (albeit with significant local variations). Thus, it can be expected that the potential for surface water – groundwater connection increases from east to west. In addition, where there is surface water - groundwater connection it can be expected that losing conditions are more likely to occur in the eastern portion of the basin and gaining conditions have more potential to occur in the western portion of the subbasin. The nature of groundwater – surface water interaction will be further evaluated in subsequent tasks for GSP development.

5.7 Groundwater Dependent Ecosystems (GDEs)

SGMA requires GSAs to identify GDEs within their GSPs and to consider impacts to GDEs when managing groundwater. GDEs are defined under SGMA as “ecological communities of species that depend on groundwater emerging from aquifers or on groundwater occurring near the ground surface” (23 CCR § 351(m)). GDE types include seeps and springs; wetlands and lakes; terrestrial vegetation connected to shallow groundwater; and rivers, streams, and estuaries.

To assist in the identification of GDEs, the Nature Conservancy (TNC) published a *Groundwater Dependent Ecosystems under the Sustainable Groundwater Management Act* guidance document to assist in a structured and uniform process for defining and identifying GDEs that may be applied throughout the State (TNC, 2018). The mapping process in Step 1.1 of the TNC guidance begins with the publicly available statewide GDE indicators (iGDE) database that was developed by the TNC in partnership with the California Department of Fish and Wildlife (CDFW) and DWR using the best available statewide data on vegetation, springs and seeps, wetlands, and riparian mapping. This statewide database identifies polygons where GDEs may be present. These polygons may be refined further using local information and site specific data to ensure the map accurately reflects local conditions. Aerial photos and local knowledge may be used to refine the data specific to local regions, resulting in addition, removal, and modifications to polygons. To confirm whether the GDE polygons are connected to groundwater, local hydrologic information may be used. For hydrologic data that are missing or insufficient, TNC guidance provides a list of questions to assess whether iGDE polygons are connected to groundwater. These questions include the following from Worksheet 1 of the guidance:

1. Is the iGDE underlain by a shallow unconfined or perched aquifer that has been delineated as being part of a principal aquifer in the basin?
2. Is the depth to groundwater under the iGDE less than 30 ft?
3. Is the iGDE located in an area known to discharge groundwater (e.g., springs/seeps)?

If the answer is yes to any of these three questions, per TNC guidance, it is likely a GDE.

This section describes the application of Step 1.1, Map GDEs, methodology to identify and map potential GDEs within the EBP Subbasin.

5.7.1 Methodology of GDE Analysis

The following discussion describes the steps and data sources used to verify, add, or eliminate potential GDE polygons from the iGDE dataset, restricted to the EBP Subbasin boundary, in accordance with Step 1.1 of the TNC guidance on identifying GDEs. Spatial data were analyzed and assembled in ArcMap v.10.6.1. Data were exported as Keyhole Markup Language (KML) files that were zipped (i.e., saved as KMZs), and these files (**Appendix I**) will be utilized for further analysis in the GSP.

Hydrology data, including streams (CDFW, 2019), lined-channels (see Section 6 of this TM) and minimum depth to groundwater (**Figures 5-61 and 5-62**), were used to assess the GDE polygons' connection to groundwater. Using the depth to groundwater data, polygons having 30 ft or less below ground surface (bgs) to groundwater were identified as potential GDEs in accordance with the Worksheet 1 of the Groundwater Dependent Ecosystems under SGMA.

High resolution aerial imagery (Google Earth, 2019) was used to review the iGDE data to identify which areas may be GDEs. Based on aerial imagery signatures of vegetative cover and/or land use, the existing iGDE data spatial boundaries were expanded or reduced to create a potential GDE layer. When available, imagery from Google Maps Street View (Google Maps, 2019) was used to further assess vegetation structure and species and identify structures that may not be visible from aerial imagery. This aerial imagery analysis was used to identify polygons that would not meet the definition of GDEs as defined under SGMA, such as:

- Upland habitats that were planted or landscaped, and/or are currently supported by irrigation;
- Wetland habitats that are mostly reliant on surface water inputs and are not groundwater dependent (e.g., vernal pools);
- Human-made features maintained by management of surface flows (i.e., intakes/outlets) such as golf course ponds, detention basins, concrete-lined channels, open water reservoir/lakes and associated riparian/wetland vegetation;

- Areas that were originally mapped as naturally occurring, but have since been developed (e.g., recent urban, commercial, or industrial development).

For polygons where dominant vegetation species were either provided in existing GDE attribute data or were discernable in imagery, the maximum rooting depth (TNC, 2019) of dominant species was compared against minimum depth to groundwater within the polygon. Polygons containing dominant species with rooting depths shallower than the minimum groundwater levels were either excluded or flagged for further review. Habitat type and/or vegetation included in GDE attribute data were compared with other landcover datasets, such as California Lands Network 2.0 Vegetation dataset (California Lands Network, 2019). The purpose of this was to cross check the data for dominant vegetation types and/or species.

After an assessment of imagery, depth to groundwater, and vegetation communities, mapped GDE features were categorized by their likelihood to meet the definition of a GDE, as defined by SGMA. An attribute field was added to indicate the potential of the feature to be a GDE (Yes, No, Maybe). Features were flagged as “Maybe” if they were found to require more information, such as a field assessment, to be categorized as a GDE. Groups of adjacent polygons where polygon features were determined to meet GDE definitions were consolidated and merged into single features.

As a preliminary step to addressing ecological condition of GDEs, Step 1.2 of the TNC guidance, GDE polygons were assessed for the presence of special-status species occurrence records. Special-status species are plant and animal species that are considered sufficiently rare that they require special consideration and/or protection under state or federal law or according to local policies and regulations. Using occurrence data from the California Natural Diversity Database Rarefind 5 dataset (CDFW, 2019a), aquatic or otherwise wetland or riparian-reliant special-status species were identified where occurrence records overlapped mapped GDEs.

5.7.2 Results of Potential GDE Analysis

The iGDE database source data includes an estimated 728 acres of potential GDEs. Vegetation types associated with this dataset included: Coast Live Oak (*Quercus agrifolia*), Tule-Cattail (*Schoenoplectus* sp. – *Typha* sp.), and Mixed Riparian Hardwood. Habitat classifications within the dataset included: Freshwater Emergent Wetland, Freshwater Forested/Shrub Wetland, Freshwater Pond, and Riverine.

After review of aerial imagery, a total of 38 acres of potential GDEs were excluded from the original iGDE database, 537 acres were flagged as needing additional data (e.g., field assessments), and 154 were verified as potential GDEs (**Appendix I - KMZ 1**). Verified potential GDEs were consolidated and merged if they were in close proximity or appeared to be connected to the same hydrologic feature. In addition, polygons were expanded or contracted, as necessary, depending on features such as vegetation or developed urban boundaries visible in aerial imagery (**Appendix I - KMZ 2**). The resulting edited potential GDEs (**Appendix I - KMZ 3**) totaled 147 acres (**Table 5-3 and Figure 5-63**). The area was reduced primarily due to polygon feature overlap in the original iGDE database layer. Potential GDEs were concentrated around four waterways: San Pablo Creek; San Leandro Creek; Wildcat Creek; and Arroyo Viejo; and, to a lesser extent, in wetlands located in Richmond. San Pablo Creek made up the majority of potential GDE area, totaling 127 acres.

GDE features that were excluded from the dataset included vernal pools and wetlands that were determined to be primarily reliant on surface water, concrete lined channels, covered channels (waterways flowing under developed areas), uplands, and tidal marshes along the edge of San Francisco Bay. GDE features that were flagged as needing additional data included some ephemeral wetlands, riparian mixed shrub/hardwood, live oak woodland, tule-cattail marsh, and some riparian mixed hardwood areas where imagery and/or hydrologic data were not sufficient to determine if they could be defined as GDEs. For example, marshes appearing to look like tidal salt marshes but classified by NCCAG as tule-cattail marshes would require additional investigation to verify vegetation type and groundwater or other freshwater inputs. Verified potential GDEs were comprised of riparian mixed hardwood, riparian mixed shrub/hardwood, and riparian oak woodland.

Habitat type and aerial image assessment for human-made features were primarily used for assessing GDE potential. No GDEs were excluded based on depth to groundwater. Depth to groundwater, based on Fall 2014 data, was 30 ft or less across the East Bay Subbasin (although data are lacking for most areas along the eastern margin of EBP Subbasin where depth to water may be greatest). Vegetation was often not identifiable to species in imagery, and it was assumed that most, if not all, of the areas mapped as riparian hardwood could include the common native species coast live oak. The roots of coast live oak have a maximum rooting depth of 35 ft (Schenk and Jackson, 2002; Canadell, et. al., 1996; Cannon, 1914). As such, depth to groundwater was not used to exclude any features during this analysis. Additional field investigations to determine dominant plant species would allow for further screening of flagged GDE features against depth to groundwater data.

Table 5-3: Potential Groundwater Dependent Ecosystems

Waterway/Tributary	Habitat Classification Based on Imagery Analysis	Area (acres)
San Leandro Creek	Riparian Mixed Shrub/Hardwood	7.1
San Pablo Creek	Riparian Mixed Hardwood	32.2
Unnamed wetland	Riparian Mixed Hardwood	1.4
Wildcat Creek	Riparian Mixed Hardwood	1.3
San Pablo Creek	Riparian Mixed Hardwood	5.7
San Pablo Creek	Riparian Mixed Hardwood	19.9
San Pablo Creek	Riparian Mixed Hardwood	60.5
San Pablo Creek	Riparian Oak Woodland	8.9
Arroyo Viejo	Riparian Mixed Hardwood	6.9
Arroyo Viejo	Riparian Mixed Hardwood	2.8
Total		**147**

Table 5-4 includes a list of special-status aquatic species and other special-status species frequently associated with wetland/riparian habitats with occurrence records overlapping mapped GDEs. These GDE locations and the associated data from CNDDB occurrence records can be found in **Appendix I (KMZ 4**). Only one species, San Pablo song sparrow (*Melospiza melodia samuelis*), was associated with verified GDEs.

Table 5-4: Special-Status Species within Mapped GDE Polygons

Common Name	Scientific Name	Status[1] (Federal /State/ Other)	Habitat Requirements	GDE locations
Birds				
San Pablo Song Sparrow	*Melospiza melodia samuelis*	-/SSC/BCC	Found in the brackish marshes vegetated with pickleweed and gumplant along San Pablo Bay.	San Pablo Creek Wildcat Creek
Alameda song sparrow	*Melospiza melodia pusillula*	-/SSC/BCC	Found in the brackish marshes vegetated with pickleweed along the southern portion of the San Francisco Bay.	San Lorenzo Creek*
California Ridgway's rail	*Rallus obsoletus*	FE/SE/-	Ranges along the Pacific Coast within Monterey and San Luis Obispo Counties. Found in the tidal mudflats and sloughs of the San Francisco Bay-Delta.	Salt marsh north of Sulphur Creek* San Lorenzo Shoreline marshes* Bay Shore in Richmond*
Fish				
Longfin smelt	*Spirinchus thaleichthys*	FC/ST/-	Juvenile and subadults predominately inhabit brackish water areas of the estuary and nearshore coastal waters. Adults return to spawn in the freshwater regions of the lower Sacramento River, near or downstream of Rio Vista, and the lower San Joaquin River downstream of Medford Island.	Occurrence records in South San Francisco Bay (may overlap GDEs mapped along bay edge)*

Common Name	Scientific Name	Status[1] (Federal /State/ Other)	Habitat Requirements	GDE locations
Mammals				
Salt marsh harvest mouse	*Reithrodontomys raviventris*	FT/SSC/-	Inhabit pickleweed habitat and other salt marsh vegetation within the greater San Francisco Bay region.	Salt marsh north of Sulphur Creek* San Lorenzo diked wetland*
Salt marsh wandering shrew	*Sorex vagrans halicoetes*	--/SSC/--	Salt marsh habitat 6-8 ft above sea level, with abundant pickleweed and driftwood.	Johnson and Hayward Landings* Oakland Airport*

NOTES:

[1] Description of status codes:

ESU = Evolutionarily Significant Unit, DPS = Distinct Population Segment

* These occurrence records were associated with GDE features that were flagged for further review

Federal Listings

FE = Listed as endangered under the FESA
FT = Listed as threatened under the FESA
FC = Candidate for listing under the FESA
BCC = Bird of Conservation Concern (USFWS)

State Listings

SE = Listed as endangered under the CESA
ST= Listed as threatened under the CESA
SSC = Species of Special Concern (CDFW)
CE = Candidate Endangered (CDFW)
FP = Fully Protected (CDFW)

Special status species with occurrence records overlapping GDEs requiring further investigation include Alameda song sparrow (*Melospiza melodia pusillula*), California Ridgway's rail (*Rallus obsoletus obsoletus*), Longfin smelt (*Spirinchus thaleichthys*), salt marsh harvest mouse (*Reithrodontomys raviventris*), and salt marsh wandering shrew (*Sorex vagrans halicoetes*). Habitat requirements for each species, included in **Table 5-4**, may be indicative of habitat present within potential GDEs and can be taken into account if further assessments are conducted. Several records for foothill yellow-legged frog (*Rana boylii*) intersected GDEs, but are not included here as all populations associated with these records are presumed to be extirpated.

5.7.3 Summary and Conclusions of Potential GDE Analysis

An estimated 147 acres of potential GDEs have been documented within the EBP Subbasin. The **KMZ 2** database provides geographic locations for each distinct GDE, as well as potential GDEs that require further review and features that were included in the original iGDE database but excluded as GDEs. The potential GDEs are primarily composed of riparian corridors with the majority being concentrated around San Pablo Creek.

This analysis did not include field investigations. While imagery analysis was sufficient to determine general habitat classifications, individual plant species were often not discernable in imagery. As a result, a detailed comparison of individual species rooting depths to groundwater depths could not be conducted for all features included in the iGDE dataset. Field investigations for the 537 acres of features flagged as needing additional data are recommended in the future (after submittal of the GSP) to better assess vegetation communities and hydrologic inputs.

Step 1.2 of the TNC guidance recommends characterizing the ecological value of potential GDE units to assist with GDE prioritization. The ecological value of a GDE is higher for those that possess more natural or near-natural conditions or include species or habitats that have legal protection (Serov et al., 2012). Occurrence records for a total of six special-status aquatic or otherwise riparian-dependent special-status species were documented as overlapping GDE polygons. Five of these species were only documented as overlapping GDE features that require further review. Any future field investigations of potential GDEs should consider habitat requirements and suitability for these species.

Available data indicate that historical groundwater pumping from the Intermediate and Deep Aquifer Zones in the southern EBP Subbasin may have had minimal effects on the shallow zone groundwater levels; however, there is no historical data on groundwater pumping and shallow groundwater levels for a similar assessment in the northern EBP Subbasin. The next step is to utilize the calibrated groundwater model to evaluate the potential impacts of various potential projects and management actions on surface water – groundwater interactions and potential GDEs. This modeling analysis will allow for comparison of potential GDE impacts to historical observations in the southern EBP Subbasin and provide for an initial assessment of the potential for GDE impacts in the northern EBP Subbasin.

6 WATER BUDGET

A water budget is a tabulation of all the components of inflow (recharge) and outflow (discharge) from the groundwater basin. Data collected in relation to water budget calculations were summarized in the Subtask 4.1 TM (LSCE Team, 2020). Previous studies and reports, including water budget data and analyses for the EBP Subbasin and other nearby groundwater basins, are summarized in **Appendix A** of this TM. This section provides a discussion of previous water budget studies, the water budget analysis approach, the water budget analysis period, quantification of recharge and discharge components, historical water budget analyses, and current water budget analyses.

6.1 Previous Water Budget Studies

The results of two previous water balance studies for the EBP Subbasin are summarized in **Appendix A** (Sections A-3.5 and A-3.12). Muir conducted a series of relatively detailed water balance studies using available data (Muir 1994, 1996a/b). WRIME developed water balance components for the southern portion of the EBP Subbasin when they expanded the Niles Cone Subbasin IGSM model to the north (WRIME, 2005). **Tables 6-1 through 6-3** below summarize the results of these two previous water balances for the EBP Subbasin. As indicated in the summary tables, there are substantial differences in the two water balances, Muir derived a total average annual recharge estimate of 20,200 AFY, while WRIME calculated a total average annual recharge estimate of approximately 6,700 AFY. The Muir study area was larger; thus, subtracting recharge for the Berkeley alluvial plain not included in the WRIME study decreases the Muir average annual recharge estimate to 16,600 AFY; this is still a substantial difference from the WRIME study. Building upon these previous studies, the water balance for the EBP Subbasin was further evaluated using additional data compiled for this GSP.

Table 6-1: Groundwater Recharge Components from Muir (Units are AFY)

Subbasin Area	Rainfall Infiltration	Stream Seepage	Subsurface Inflow	Agricultural Return Water	Wage Pipe Leakage	Sewer Pipe Leakage	Total
Berkeley Alluvial Plain	700	1,400			800	700	3,600
Oakland Upland, Alluvial Plain, Merritt Sand	2,200	1,300			2,900	2,400	8,800
San Leandro Cone	600	1,900			600	500	3,600
San Lorenzo Cone	200	1,600			1,100	900	3,800
Not Specified			200	200			400
Subtotals	**3,700**	**6,200**	**200**	**200**	**5,400**	**4,500**	**20,200**

The rainfall/irrigation recharge for the study area calculated by Muir was approximately 3,900 AFY, which equates to about 0.05 ft or 0.65 inches on average over 73,000 acres, or approximately 3 percent of an average rainfall of 20 inches/year. This can generally be considered a relatively conservative (low) estimate for precipitation/irrigation recharge. The WRIME (2005) estimate of rainfall/irrigation recharge of 6,350 AFY over 38,400 acres amounts to 0.17 ft or 2.0 inches/year (approximately 10 percent of average annual rainfall) for the Niles Cone and East Bay Plain Integrated Groundwater and Surface Water Model (NEBIGSM). A comparison to other nearby groundwater subbasins (described further below) includes the San Mateo Plain, where rainfall/irrigation recharge amounted to 0.1 ft/year or 1.15 inches/year (about 6 percent of average annual rainfall).

Table 6-2: Groundwater Discharge Components from Muir (Units are AFY)

Subbasin Area	Agricultural Pumping	Domestic Pumping	Industrial Pumping	Discharge at Bay Margin (Upper 200 Ft)	Discharge at Bay margin (200-600 Ft)	Total
Berkeley Alluvial Plain				949	1,601	2,550
Oakland Upland, Alluvial Plain, Merritt Sand				2,351	2,902	5,253
San Leandro Cone				1,011	1,635	2,646
San Lorenzo Cone				1,832	1,390	3,222
Not Specified	910	620	1,820			3,350
Subtotals	**910**	**620**	**1,820**	**6,143**	**7,528**	**17,021**

Table 6-3: NEBIGSM Groundwater Balance for 1965 to 2000

Subbasin Area	Net Deep Percolation	Stream Seepage	Boundary Inflow	Agricultural Return Water	Wage Pipe Leakage	Sewer Pipe Leakage	Total
Hayward North	981	0	42				1,023
San Leandro	4,125	139	324				4,588
Oakland, Lake Merritt, Alameda Island	1,244	0	-67				1,177
Not Specified							
Subtotals	**6,350**	**139**	**299**	**Included in Deep Percolation**	**Not Included**	**Not Included**	**6,788**

Muir conducted a detailed assessment of 12 streams/creeks for streamflow infiltration that resulted in 6,200 AFY of streamflow infiltration between Berkeley and Hayward. WRIME (2005) only evaluated two streams within EBP Subbasin, for which they assumed that the entirety of both the San Lorenzo and San Leandro Creeks within the EBP Subbasin were concrete-lined; this essentially negated any possibility of significant stream infiltration. Review of stream channel lining for this TM is provided in **Figure 6-1** and indicates that, while portions of San Lorenzo and San Leandro Creeks are lined, the overall assumption made by WRIME (2005) was generally incorrect. Thus, it can reasonably be expected these two creeks, and others, potentially provide for some significant streamflow infiltration.

It is also useful to review overall results of water balance studies conducted for groundwater basins with relatively similar conditions: Westside Groundwater Basin in San Francisco and San Mateo Counties, San Mateo Groundwater Basin, Santa Clara Plain Groundwater Basin, and Niles Cone Groundwater Basin. A summary of water balance results for water balance studies of nearby groundwater basins is provided in **Table 6-4**.

Table 6-4: Comparison of Recharge Estimates for San Francisco Bay Area Groundwater Basins

Groundwater Subbasin; Study Period; Report Date	Net Deep Perc (AFY)	Stream Seepage (AFY)	Bedrock Inflow (AFY)	Net Lateral Subsurface Inflow (AFY)	Pipe Leakage (AFY)	Basin Area (acres)	Total Recharge (AFY)	Total Average Recharge (ft/ year)
Westside; 1959-2005; 2007						26,080	16,010	0.61
San Mateo; 1984-2015; 2018	3,600	1,300	600	1,200	1,200	37,708	7,900	0.21
City of San Francisco; 1987-1988; USGS, 1993						29,496	16,489	0.56
Palo Alto Area of Santa Clara Plain; 2018	9,600	4,700	900	0	2,200	47,486	17,400	0.37
South East Bay Plain; San Lorenzo and Hayward; DWR, 1963						18,141	5,000 (Safe Yield)	0.28
East Bay Plain – Berkeley to Hayward; 1990's, 1993; Muir	3,900	6,200	0	200	9,900	72,960	20,200	0.28
East Bay Plain; 1965-2000; 2005; NEBIGSM	6,350	139	0	299	0	38,400	6,788	0.18

Given that the areas of each study vary, it is more useful to compare the average recharge per acre in units of ft/year. The Muir (1993) water balance results show 0.28 ft/year of recharge from all sources for the study area covered in his study, and the WRIME (2005) water balance indicates 0.18 ft/year within the EBP Subbasin portion of the model. These average annual per acre recharge values for the EBP Subbasin are significantly less (one-third to one-half) of the per acre estimated recharge for San Francisco and the Westside Groundwater Basin (from San Francisco south to Millbrae), but they are similar to the estimated per acre recharge for San Mateo Groundwater Subbasin (**Table 6-4**).

6.2 Water Budget Analysis Approach

The water budget evaluation for this GSP is based on results of previous studies and additional analyses to verify and/or update previous calculations. Water budget components that can be derived independent of the groundwater model to be developed for EBP Subbasin are described in this Subtask 4.2 TM. These water budget components will be used as initial input to the groundwater model and may be subsequently modified during the model calibration process. As certain water budget components require output from a model (e.g., stream discharge/sewer pipe outflow, lateral subsurface inflow/outflow), the current water budget will be further analyzed during model development.

Review of previous studies suggests that the primary groundwater recharge components are rainfall infiltration, streamflow infiltration, leaking pipes, and irrigation return flows. The primary components of groundwater discharge addressed in previous studies include groundwater pumping and subsurface outflow to the west (underneath and to San Francisco Bay). One component either not addressed or dismissed as negligible in previous studies is groundwater inflow from fractured bedrock of the East Bay Hills. Based on LSCE Team experience with studies in other basins and review of DWR well logs for the East Bay Hills, it was found that groundwater is present in fractures and should be considered as a component of inflow to the groundwater basin. Evaluation of this groundwater recharge component from fractured bedrock is included in the water budget analyses conducted for this GSP.

6.3 Water Budget Analysis Period

Precipitation records for four stations with relatively long periods of record were reviewed with regard to average annual precipitation and the occurrence of wet, normal, and dry years. The four stations are located in Richmond, Berkeley, San Leandro, and Newark as shown on **Figure 6-2**. Average annual precipitation for the three stations within EBP Subbasin were considerably greater (23 to 24 inches/year) than the station located in Niles Cone Subbasin (13 inches/year). The substantially greater precipitation for the EBP Subbasin stations is due primarily to their locations further north and at higher elevations (for Berkeley and San Leandro stations).

Cumulative departure from mean curves were prepared to evaluate the occurrence of different water year types and to select a representative hydrologic period (**Appendix J**). Review of precipitation data since 1950 for the three EBP Subbasin stations generally shows an average rainfall period from 1951 to 1958 followed by sequences of overall dry and wet years. Dry year sequences occurred 1959-1966, 1974-1977, 1984-1994, and 2007-2015. Wet year sequences occurred 1967-1973, 1978-1983, 1995-2006, and 2016-2019. In general, it is desirable to select a representative hydrologic period that begins and ends with dry years, in order to avoid having significant soil moisture in transit that may occur during a wet year. It is also generally desirable to select a representative hydrologic period that has approximately average rainfall, which would occur on the departure from mean curves when the starting and ending dates have approximately the same departure value (axis on right side of plot). For water balance and groundwater modeling purposes, it is preferred to select a time period that is on the order of 20 to 30 years in length.

Based on review of the departure from mean curves and the desired criteria for selection of a representative hydrologic time period, the period from 1990 to 2015 is recommended. This 26-year period begins and ends in a dry year, has an average annual rainfall similar to the long-term average, and contains a range of wet, average, and dry years.

Beyond the criteria described and addressed above, a feature specific to the EBP Subbasin that warrants consideration is the pumping history in the Subbasin. While detailed data are generally lacking, general knowledge of historical land use and groundwater levels generally demonstrate that overall pumping in the Subbasin was much greater in the 1950s and 1960s, during which time agricultural and industrial pumping were significantly greater than in subsequent years and Hayward conducted municipal groundwater pumping prior to 1963. After development and calibration of the groundwater model to available groundwater level data within the anticipated model calibration period (1990 to 2015) as well as calibration to regional aquifer testing data, model sensitivity analyses can include further evaluation of likely ranges of historical pumping stresses in the EBP Subbasin relative to available historical groundwater level data.

6.4 Quantification of Recharge and Discharge Components

The primary recharge components in the EBP Subbasin that require quantification are rainfall infiltration, excess applied irrigation water infiltration, streamflow infiltration, pipe leakage, bedrock inflow, and lateral subsurface inflows. The primary discharge components in the EBP Subbasin that require quantification are agricultural, industrial, and domestic groundwater pumping, lateral subsurface outflows, and discharge to streams. Most of these recharge and discharge components are initially quantified in this section to provide input to the groundwater model. Each water balance component will be further evaluated during groundwater model development and calibration.

6.4.1 Precipitation Recharge

Historical studies using soil moisture balance calculations of groundwater recharge from precipitation and irrigation water range from 3,900 AFY (Muir, 1994) over an area from Berkeley to Hayward to 6,350 AFY (WRIME, 2005) for an area from the southern part of Oakland to Hayward. The average annual amount of recharge from precipitation and irrigation across the portion of the EBP Subbasin covered in these studies amounts to between 0.65 and 2 inches per year.

A detailed summary of the Muir (1994) report soil moisture balance calculations for rainfall recharge is provided in **Table 6-5**. Overall, the Muir (1994) soil moisture balance calculations are relatively conservative (low) with an overall average of about 5 percent of rainfall becoming recharge with the areas designated by Muir as good to fair recharge areas. If the entire subbasin area covered by the Muir study is incorporated, his estimated 3,700 AFY of rainfall and excess irrigation recharge amounts to only about 3 percent of total rainfall.

A more detailed review of the Muir soil moisture budget by subarea indicates particularly low estimates of recharge in the San Lorenzo Cone and San Leandro Cone. Review of the model water balance conducted by WRIME (which focuses on the San Lorenzo and San Leandro areas) and review of available data for the subbasin and other studies in the region, it is apparent that Muir's soil moisture recharge estimates for the San Leandro and San Lorenzo areas are significantly underestimated. To provide more realistic estimates of soil moisture balance recharge, the overall average for percent of rainfall becoming groundwater recharge (5.4 percent) was applied to these two subareas. In addition, the Richmond area north of Albany was not covered in the Muir study and has been added in to the EBP Subbasin soil moisture balance estimated as summarized in **Table 6-6**. The updated rainfall recharge for the San Lorenzo/San Leandro areas along with inclusion of the Richmond area resulted in a total estimate of rainfall recharge of 5,170 AFY for the EBP Subbasin.

Table 6-5: Summary of Muir Soil Moisture Balance Evaluation for Rainfall Recharge

GW Subarea	Subarea Recharge Area (acres)	Average Annual Rainfall (inches)	Average Annual Rainfall Volume (ac-ft)	Runoff Percent	Runoff Volume (ac-ft)	ET Percent	ET Volume (ac-ft)	Recharge (ac-ft)	Recharge Percent
San Lorenzo Cone	9,728	19	15,565	57	8,872	41.9	6,518	200	1.3
San Leandro Cone - Bayfarm / Airport	3,200	18	4,800	51	2,448	44.7	2,144	200	4.2
San Leandro Cone – Plain Area	5,504	21	9,907	59	5,845	37.2	3,688	400	4.0
Merritt Sand Outcrop	4,352	20	7,398	55	4,069	39.4	2,916	400	5.4
Oakland Upland /Plain	10,816	24	21,632	58	12,547	33.5	7,247	1,800	8.3
Berkeley Plain	4,864	23	9,242	57	5,268	35.3	3,259	700	7.6
Muir Totals /Averages	**38,464**	**21.4**	**68,544**	**57.0**	**39,049**	**37.6**	**25,772**	**3,700**	**5.4**

Table 6-6: Updated Soil Moisture Balance Evaluation for Rainfall Recharge

GW Subarea	Subarea Recharge Area (acres)	Average Annual Rainfall (inches)	Average Annual Rainfall Volume (ac-ft)	Runoff Percent	Runoff Volume (ac-ft)	ET Percent	ET Volume (ac-ft)	Recharge (ac-ft)	Recharge Percent
San Lorenzo Cone – Niles Cone	4,294	19	6,799					370	5.4
San Lorenzo Cone - EBP	5,434	19	8,604					465	5.4
San Leandro Cone - Bayfarm / Airport	3,200	18	4,800	51	2,448	44.7	2,144	200	4.2
San Leandro Cone – Plain Area	5,504	21	9,907					535	5.4
Merritt Sand Outcrop	4,352	20	7,398	55	4,069	39.4	2,916	400	5.4
Oakland Upland /Plain	10,816	24	21,632	58	12,547	33.5	7,247	1,800	8.3
Berkeley Plain	4,864	23	9,242	57	5,268	35.3	3,259	700	7.6
Richmond	6,400	24	12,800					700	5.4
Updated Muir Totals /Averages	38,464	21.4	68,382	57.0	39,049	37.6	25,772	4,470	6.5
Totals/ Averages for EBP	**44,864**		**81,182**					**4,800**	**6.4**

6.4.2 Irrigation Return Flows

Irrigation return flows are typically a major component of water budgets for California groundwater basins. Numerous USGS and consultant studies of California groundwater basins, including those in the San Francisco Bay Area, have included irrigation return flows in the water balance (e.g., Phillips, et.al, 1993; Yates, et.al., 1990; EKI, et.al., 2018; HydroFocus and Yates, 2007, Woodard & Curran and Todd Groundwater, 2018). Previous studies in the EBP Subbasin and local data are used to evaluate irrigation return flows from both large irrigated parcels (e.g., parks, golf courses) and residential parcels for this study.

The recharge estimate summarized in **Table 6-6** includes only rainfall recharge and does not include excess irrigation recharge. Muir's assumptions regarding agricultural return flows (excess irrigation recharge) were based on 14 acres of row crops and nurseries as of 1994, along with golf courses and parks that he stated resulted in a total of 1,000 irrigated acres within the study area. Muir estimated there were 200 AFY of return flows from irrigation of these 1,000 acres. Assuming applied water for these 1,000 acres is likely in the 2 to 3 AFA range, the percentage of return flows assumed by Muir would have been 7 to 10 percent. Excess irrigation recharge was included in WRIME's (2005) groundwater model water balance with rainfall recharge as net deep percolation, and the two components were not separated out individually.

Additional review of EBP Subbasin for irrigated areas was conducted as part of this Subtask 4.2 TM. The major irrigated areas were derived from available land use mapping (DWR County Land Use Surveys) and included golf courses, parks, cemeteries, nurseries, and row crops (**Figure 6-3**). The total irrigated areas were quantified for the EBP Subbasin as a whole and by subareas designated by Muir. Based on an estimate of 15 percent of applied water becoming recharge to the subbasin, the total amount of irrigation return flows is summarized in **Table 6-7**.

Table 6-7: Summary of Irrigation Return Flows for Large Irrigated Parcels

GW Subarea	Irrigated Area (acres)	Applied Water (ft)	Average Annual Irrigation Volume (ac-ft)	Return Flow Percent	Recharge (ac-ft)
San Lorenzo Cone	537	2.5	1,343	15	201
San Leandro Cone	739	2.5	1,848	15	277
Merritt Sand Outcrop	140	2.5	350	15	53
Oakland Upland /Plain	309	2.5	773	15	116
Berkeley Plain	120	2.5	300	15	45
Richmond	152	2.5	380	15	57
Totals/ Averages	**1,997**	**2.5**	**4,994**	**15**	**749**

Irrigation return flows for residential properties were evaluated separately from irrigation return flows from larger community parcels summarized above. The area for residential properties with irrigation were mapped as distinct from urban/industrial areas with no significant irrigated landscaping (**Figure 6-4**). The area occupied by impervious features (e.g., home/building roof tops, roads, sidewalk) were removed from the total residential area. The remaining potential pervious residential area was then totaled and summarized in **Table 6-8**. Based on general review of residential areas on Google Earth images, it was estimated conservatively that one-third of the potentially pervious residential areas constituted irrigated lawn and landscape areas. Assigning the proper percentage that represents irrigated areas is complicated by the presence of many large trees, which tend to obscure areas beneath/around them. A conservative (i.e., likely low) estimate was used for the irrigated area shown in **Table 6-8**. It was assumed that applied water to residential lawns/landscaping is slightly less (2.0 ft vs. 2.5 ft) than for large community parcels. It was also assumed that the amount of applied water becoming return flows was slightly less (10 percent vs. 15 percent) than for large community parcels. Tabulation of irrigation return flows for residential areas was conducted by groundwater subarea (as defined by Muir) and for the subbasin as a whole; the total amount of residential return flows was estimated to be approximately 1,600 AFY (**Table 6-8**).

Table 6-8: Summary of Irrigation Return Flows for Residential Parcels

Muir Groundwater Subarea	Pervious Residential Area (acres)	Irrigated Area (acres)	Applied Water (ft)	Average Annual Irrigation Volume (ac-ft)	Return Flow Percent	Recharge (ac-ft)
San Lorenzo Cone	5,999	2,000	2.0	4,000	10	400
San Leandro Cone	3,606	1,202	2.0	2,404	10	240
Merritt Sand Outcrop	1,580	527	2.0	1,054	10	105
Oakland Upland /Plain	5,567	1,855	2.0	3,710	10	371
Berkeley Plain	3,134	1,045	2.0	2,090	10	209
Richmond	4,005	1,335	2.0	2,670	10	267
Totals/ Averages	**23,891**	**7,964**	**2.0**	**15,928**	**10**	**1,592**

6.4.3 Streamflow Infiltration

For many groundwater basins in California, streamflow infiltration is often a major source of recharge. Streams can serve as both sources of recharge and sources of discharge depending on groundwater elevations relative to stream thalweg elevations. Some streams have some segments that provide recharge to groundwater and other segments that provide for discharge of groundwater. In urban areas, such as the EBP Subbasin, there also needs to be consideration of lining of stream channels that may limit both recharge and discharge along such segments. Previous studies and local data have been evaluated for this study to evaluate streamflow infiltration/recharge along several stream channels between Richmond and Hayward.

Previous studies of streamflow infiltration estimates in the EBP Subbasin range from as much as 6,200 AFY (Muir, 1994) over an area from Berkeley to Hayward (**Figure 6-5**) to as little as 140 AFY (WRIME, 2005) from San Leandro to Hayward. The Muir study included a larger area and significantly greater number of streams (12) than the WRIME study. The WRIME study only considered two streams (San Leandro and San Lorenzo Creeks), and their study assumed the entire San Leandro Creek channel within the EBP Subbasin was lined. However, a large portion of San Leandro Creek is not lined; thus, the WRIME stream infiltration estimates may be significantly underestimated. Muir's estimate for streamflow infiltration for just San Leandro and San Lorenzo Creeks was 1,960 AFY.

Other studies relating to streamflow infiltration rates and streamflow recharge in the San Francisco Bay Area include USGS/Metzger (2002), USGS/Teague et. al. (2019), the Palo Alto Area study (2018), and the San Mateo Plain study (2018). The USGS study of San Francisquito Creek in the Palo Alto/Menlo Park area found net infiltration rates of 4.3 cfs over a distance of 4.3 miles (1.0 cfs/mile) and then a net gain to the creek of 0.3 cfs over the final 1.4 miles of the study reach close to the Bay during April 1996. Alameda Creek had a net infiltration of 1.78 cfs over a reach distance of 0.9 miles (2.0 cfs/mile) followed by a net gain to the creek of 2.45 cfs over a creek length of 2.3 miles during April 2002. The significant gaining reach may be related to shallow groundwater recharge emanating from the quarry lakes recharge facility. The Palo Alto Area and San Mateo Plain studies included some limited synoptic field measurements in April 2016 and June 2017 and review of other studies in the area; from these measurements/studies it was concluded that streamflow infiltration rates of 0.3 to 0.5 cfs/mile were representative for most streams in those study areas.

Although stream gauging data to specifically evaluate gaining and losing reaches in the EBP Subbasin were not available, Muir (1994) conducted a fairly detailed analysis of streamflow infiltration on most of the major creeks in the EBP Subbasin (except for the Richmond area that was north of his study area). Muir's analysis was generally based on wetted area of each stream, number of days with streamflow, and estimated infiltration rates based on soil types. The Muir (1994) report states, "It was estimated from stream flow data for San Lorenzo Creek and long-term rainfall patterns that, on the average, there would be sufficient flow in the streams to induce seepage during the period December 1 thru March 31. This 121 day period, although based on somewhat meager data, probably is near the long-term average." The results indicated average annual recharge from stream seepage of about 6,200 AFY. The Muir (1994) study estimated 1,016 AFY of stream infiltration specifically attributed to San Lorenzo Creek. The WRIME (2005) report generally does not evaluate streamflow or streamflow infiltration in the East Bay Plain except for San Lorenzo Creek, and the calibrated model shows only a total of 139 AFY as average annual streamflow infiltration. The two primary previous studies for the EBP Subbasin that included water balance results have widely varying results for streamflow recharge.

Based on review of available studies within and near the EBP Subbasin, streamflow infiltration in EBP Subbasin is likely to be in between the estimates provided in WRIME (2005) and Muir (1994). Review of studies in nearby groundwater basins suggests a range of streamflow infiltration ranging from 0.3 to 0.5

cfs/mile for smaller streams to as much as 1 to 2 cfs/mile for larger streams. Muir's data indicate equivalent rates of streamflow infiltration ranging from about 0.8 to 2.3 cfs/mile, with most streamflow infiltration rates between 1.0 and 1.9 cfs/mile. Available data indicate Muir's streamflow infiltration rates may have been too high; thus, reduced streamflow infiltration rates were used in this analysis for EBP Subbasin streams (**Table 6-9**). The reduced streamflow infiltration rates for this analysis were 0.5 cfs/mile for smaller streams and 0.8 cfs/mile for larger streams in the EBP subbasin, which are generally about one half to one quarter of the rates used by Muir.

Neither Muir (1994) nor WRIME (2005) included streams north of the Berkeley/Albany area. The primary streams in this northern portion of the EBP Subbasin are Wildcat Creek and San Pablo Creek in the Richmond area. The unlined length of each of these two major streams were determined and each was assigned a streamflow infiltration rate of 0.8 cfs/mile (**Table 6-9**).

Available data indicate that most streamflow infiltration does not occur near the San Francisco Bay shoreline, and streams are more likely to be gaining in these areas. Each stream was reviewed for unlined portions in close proximity to the Bay margin, and those stream lengths were removed from the calculation of stream infiltration amounts provided in **Table 6-9**. Since it is likely some of the unlined lengths of stream near the Bay have gaining stream conditions, this mechanism of potential groundwater discharge will be further evaluated in model development and calibration efforts. **Table 6-9** also does not include the length of San Pablo Creek upstream of the main groundwater basin, which will need further evaluation during model development and calibration.

Table 6-9: Streamflow Infiltration Evaluation

Stream	Muir GW Subarea	Muir Unlined Stream Length (Miles)	Muir Infiltration Rate (cfs/mi)	Muir Stream Recharge (AFY)	Updated Unlined Stream Length (Miles)	Updated Infiltration Rate (cfs/mi)	Updated Stream Recharge (AFY)	Total by GW Subarea (AFY)
Old Alameda	San Lorenzo	1.89	0.99	448	1.89	0.99	448	Outside EBP
Ward-Steile	San Lorenzo	0.47	1.28	145	0.47	0.5	56	
Zone 4, Line A	San Lorenzo	0.13	0.77	24	0.13	0.77	24	
San Lorenzo	San Lorenzo	2.31	1.83	1,016	0	0.8	0	80
San Leandro	San Leandro	2.08	1.89	944	2.97	0.8	570	
Elmhurst	San Leandro	1.14	1.90	520	1.14	0.5	137	
Arroyo Viejo	San Leandro	0.98	1.90	448	0.98	0.5	118	825
Peralta	Oakland	1.06	2.33	592	1.06	0.5	127	
Sausal	Oakland	1.33	2.24	714	1.33	0.5	160	287
Codornices	Berkeley	1.02	1.73	424	1.02	0.5	122	
Cerrito	Berkeley	1.33	1.52	484	1.33	0.5	160	
Strawberry	Berkeley	1.33	1.63	520	1.33	0.5	160	442
Wildcat	Richmond	NA	NA	NA	2.0	0.8	384	
San Pablo	Richmond	NA	NA	NA	1.8	0.8	346	730
Totals				6,200			2,812	2,364
Totals (within EBP)				**5,752**			**2,364**	

Note: Calculations based on Muir estimate of 121 days/year with streamflow available for infiltration.

6.4.4 Bedrock Subsurface Inflow

Groundwater can exist within fractures in bedrock, and bedrock wells often allow sufficient water for domestic uses. DWR (1967) noted that although the bordering highlands are comprised of essentially non-water bearing rocks, they do support many springs and seeps during dry periods. The DWR report also states, “It is likely that the nonwater-bearing rocks transmit small quantities of groundwater to adjacent water-bearing sediments in the form of subsurface underflow.” Muir and Hickenbottom (1988) noted that some groundwater flows across the Hayward Fault from Castro Valley and that some groundwater flows from bedrock into Older alluvium, although neither was quantified.

The evaluation and incorporation of groundwater inflow from adjacent watershed areas comprised of fractured bedrock is an important but sometimes overlooked component of the water balance for a groundwater basin. While fractured bedrock permeabilities are typically quite low compared to unconsolidated deposits, basins with a significant length of adjacent fractured bedrock area generally warrant evaluation and incorporation in the water balance. The occurrence of groundwater in fractured bedrock and groundwater flow through fractured bedrock into adjacent groundwater basins has been documented and evaluated in several textbooks, journals, consultant studies, and California groundwater basin adjudications (e.g., Singhal and Gupta, 2010; Wilson and Guan, 2004; EKI, et.al., 2018; Woodard & Curran and Todd Groundwater, 2018; Antelope Valley Groundwater Basin Adjudication). This component of groundwater recharge has been evaluated for the East Bay Hills watershed bordering the EBP Subbasin based on available local data and standard methods of calculating bedrock inflow.

Studies conducted on bedrock in other areas generally show the water table in bedrock mimics topography and that bedrock inflow to groundwater basins bordered by bedrock areas often contributes to the overall basin water budget. Several wells have been drilled into fractured bedrock in the East Bay Hills within the contributing watershed to the EBP Subbasin. Some of those wells contain specific capacity information that can be used to estimate transmissivity and hydraulic conductivity values (**Table 4-1**). Review of available data for the watershed area indicates an average saturated thickness in fractured bedrock wells of 125 (northern East Bay Hills) to 230 ft (southern East Bay Hills) with a geometric mean K value of 0.2 ft/day for the northern portion of the subbasin to 0.2 ft/day for the southern portion of the subbasin. The length of bedrock hills bordering the EBP Subbasin is approximately 28 miles or 148,000 ft. Review of topographic maps indicates that the typical range of slopes along the west side of the East Bay Hills is approximately 0.06 to 0.13 ft/ft; the bedrock groundwater gradient is likely close to but somewhat less than the land surface gradient. A bedrock gradient of 0.07 ft/ft was utilized for calculations. Given that bedrock K values typically decrease with depth, it was assumed that a saturated thickness of 150 ft applies to the K value derived from specific capacity data. The length of East Bay Hills (148,000 ft) times the saturated thickness (150 ft) provides a bedrock groundwater flow cross-sectional area of 22.2 million square ft. A Darcy's Law calculation of K (ft/day) x Area (ft squared) x gradient yields an estimated bedrock inflow of about 7.15 AF per day. This yields a total estimate of about 2,600 AFY of bedrock inflow.

A second method of estimating the potential contribution of bedrock inflow to a groundwater basin is to evaluate the amount of precipitation recharge occurring within the bedrock watershed area contributing subsurface inflow to the groundwater basin. This method involves determination of the bedrock watershed area (126,740 acres), estimating total precipitation over the bedrock watershed area (22.9 inches/year), and evaluating the percentage of total precipitation that becomes recharge to bedrock groundwater and subsequently follows a subsurface flow path into the groundwater basin (1%). This analysis yields a total of about 2,400 AFY of bedrock inflow.

Overall, the two different methods of calculating groundwater inflow from fractured bedrock in the groundwater basin watershed yield estimates ranging from 2,400 to 2,600 AFY.

6.4.5 Leaking Pipes

Water pipe leakage is a significant potential source of recharge in urban areas, with the average pipe leakage in the United States estimated to be approximately 10 percent. Various USGS and consultant studies in the San Francisco Bay Area have evaluated leaking water and sewer pipes and found it to be an important component of the overall recharge in the water balance (e.g., Phillips, et.al, 1993; Yates, et.al., 1990; EKI, et.al., 2018; HydroFocus and Yates, 2007; Woodard & Curran and Todd Groundwater, 2018). The EBP Subbasin is densely urbanized with a vast network of water and sewer pipes. Previous studies and available local data from the two primary water suppliers in the EBP Subbasin (EBMUD and Hayward) were utilized to evaluate groundwater recharge from leaking pipes.

Muir (1994) evaluated the contribution of leaking pipes to groundwater recharge in the East Bay Plain based on an estimated leakage rate of five percent, which may be on the low end of the potential leakage rate given an average of 10 percent across the United States.

Muir evaluated data from EBMUD for 1993 that indicated delivery of 92,800 AF of water to communities in the study area; this results in a total leakage estimate of 4,600 AF in 1993. Hayward was delivering about 15,300 AFY as of the mid-1990s, which results in calculated water pipe leakage of 770 AFY for the Hayward area. The total pipe leakage was estimated by Muir to be approximately 5,400 AFY. The report states that the amount of pipe leakage recharging groundwater is unknown, and Muir acknowledges that some pipe leakage likely migrates into storm drains and discharges into the Bay.

Based on review of annual imported water delivery records for EBMUD over the study period, the amount of pipe leakage is estimated to have been fairly constant over the 1990 to 2015 study period.

Based on evaluation of various features of the EBP Subbasin and based on review and consideration of previous studies that evaluated pipe leakage for the San Mateo Plain and Westside Groundwater Basins, it is estimated that not all of the pipe leakage provides recharge the groundwater basin. Pipe leakage "losses" are expected to occur via various pathways, including: seepage into utility trenches with subsequent migration out of the basin, daylighting at the surface and runoff to storm drains, evapotranspiration by tree roots, and lateral migration to stream channels (e.g., see **Appendix H**) and subsequent flow out of the basin. Overall, it can be reasonably anticipated that approximately 50 percent of total pipe leakage provides recharge to the groundwater basin. On this basis, the estimate of water pipe leakage from Muir's analysis would be revised to 2,700 AFY.

Additional analyses of potential water pipe leakage were conducted using 2017 pipe leakage audit reports for the EBMUD and Hayward water systems. The EBMUD water audit for 2017 indicated real losses of approximately 7,400 million gallons per year (22,700 AFY) for the entire water system, which includes areas outside of the EBP Subbasin. This equates to a leakage rate of about 12.4 percent for the overall EBMUD water system in 2017. Approximately half of the total EBMUD water system demand occurs within or immediately adjacent to the EBP Subbasin, which indicates that a total leakage of approximately 11,350 AFY may potentially impact the EBP Subbasin. The Hayward water audit for 2017 indicated real losses of approximately 390 million gallons per year (1,200 AFY) for the entire water system, which includes areas outside of the EBP Subbasin. This equates to a leakage rate of about 7.7 percent for the overall Hayward water system in 2017. It is assumed that approximately 50 percent or 600 AFY may impact the EBP Subbasin.

The maximum combined water pipe leakage within the EBP Subbasin is estimated to be approximately 12,000 AFY for both the EBMUD and Hayward water systems. However, it is likely that a substantial portion of this total is lost to various pathways as described above. Utilizing the 2017 water audit data and the assumptions described above, a total pipe leakage estimate for 2017 may be on the order of approximately 6,000 AFY. Using an average from the Muir study (2,700 AFY) and the 2017 water audit data (6,000 AFY), the total estimated water pipe leakage for this study was estimated to be 4,350 AFY.

Sewer pipe leakage in the 1990's was estimated by Muir (1994) based upon discharge records from four sewer treatment plants and records of potable water usage. The estimated national average sewer pipe leakage rate of 5 percent was used to calculate a total of 4,500 AFY of sewer pipe leakage. Leakage from storm drains was not included due to storm drains only having flow for brief periods of time. Assuming that 33 percent of this total sewer pipe leakage is lost to the groundwater basin, the estimate of sewer pipe leakage from Muir's study would be revised to a total of 3,000 AFY.

The total amount of sewer flow to wastewater treatment plants in the EBP Subbasin for 2015 was estimated at 77.6 MGD or 86,900 AFY within the EBMUD GSA area (EBMUD 2015 UWMP). Sewer inflow to the Hayward wastewater treatment plant is estimated at about 3,830 MG per year or 11,750 AFY (City of Hayward, 2016), of which approximately 50 percent or 5,875 AFY is assumed to occur within the EBP Subbasin. Based on the 5 percent sewer pipe leakage rate cited above, total sewer pipe leakage in the EBMUD GSA of EBP Subbasin in 2015 is estimated to be approximately 4,350 AFY, and total sewer pipe leakage in the Hayward GSA area of the EBP Subbasin in 2015 is estimated at 300 AFY. Assuming that 33 percent of this total sewer pipe leakage is lost to the groundwater basin, a total of 3,100 AFY of sewer pipe leakage may be occurring in the EBP Subbasin as of 2015. Based on review of the Muir study and more recent data, a total sewer pipe leakage of 3,000 AFY was assigned to this recharge component for EBP Subbasin.

6.4.6 Groundwater Pumping

Information on groundwater pumping in the EBP Subbasin is available from various sources, including previous studies by Muir, CH2M Hill, and WRIME, an August 2018 letter from EBMUD and Hayward to DWR regarding basin reprioritization, a series of working Excel spreadsheets provided by EBMUD to support the analysis of pumping data provided in the DWR letter, and groundwater model inputs (NEBMODFLOW and NEBIGSM). Annual water supply deliveries were obtained for Hayward from 1931 to 1987. These data included groundwater pumping from 1931 to 1963, after which groundwater was no longer used as a water supply.

The Muir (1996a) report on groundwater discharge in the EBP Subbasin included groundwater pumping as of 1995 classified as domestic, industrial, and agricultural, and these data are summarized in **Appendix A** (Section A-3.5). Muir estimated total groundwater pumping to be 3,350 AFY as of 1995. Although Muir did not specifically state his estimate of groundwater pumping for the mid-1960s, review of his stated total inflows and outflows for that time suggest he estimated total groundwater pumping to be in the range of 35,000 to 50,000 AFY in the early 1960s. Subsequent changes in land use (e.g., conversion of 15,000 acres of agricultural lands to urban uses) and greater availability of surface water supplies rapidly reduced groundwater pumping in the subbasin after the 1960s, resulting in an extended recovery period for groundwater levels in the Intermediate and Deep Aquifer Zones from the mid-1960s until at least the 1990s.

The NEBIGSM 2005 report notes, "…groundwater pumping data in the IGSM can be allocated to individual wells or to elements in the finite element grid. The groundwater pumping data in the NEBIGSM were allocated to specific pumping wells where possible, with other pumping distributed to the appropriate elements for which a lack of information prevented allocation of such pumping to specific wells." The report further notes, "For the SEBP, measurements of well pumping for the 1965-2000 period were scarce, and thus virtually all of the SEBP pumping for the 1965-2000 period had to be estimated." The NEBIGSM report indicates that groundwater pumping in the East Bay Plain portion of the model was estimated to be approximately 10,000 AFY for 1965 to 1972, and then it declined to about 6,300 AFY in 1973-1974, with a gradual decline from 6,000 AFY in 1975 to about 3,200 AFY in 2000. The majority of the East Bay Plain groundwater pumping was attributed to industrial uses in the early years of the time period (nearly 8,000 AFY from 1965-1972), with industrial pumping declining to about 1,000 AFY by the end of the calibration time period. These groundwater pumping values were adjusted during NEBIGSM calibration.

Comparison of Muir pumping estimates to NEBIGSM pumping estimates in the EBP Subbasin for the 1960s indicates substantial differences. It is possible that the Muir estimates were more applicable to the early 1960s, whereas by 1965 when the NEBIGSM model calibration period started the groundwater pumping had already declined significantly. Groundwater pumping estimates for the 1990s for the two studies are relatively consistent.

In response to DWR's draft prioritization findings, EBMUD and Hayward submitted a comment letter (August 15, 2018) that included an evaluation of groundwater pumping in the EBP Subbasin. The letter cited groundwater pumping estimates derived from the EBMUD Groundwater Management Plan (2013), which covered a time period from 1993 to 2002 and found that groundwater pumping ranged from 2,661 to 3,549 AFY. The average groundwater pumping over this time period was estimated to be 3,154 AFY, which is generally consistent with the findings of Muir (1996a). The SF RWQCB Beneficial Use study (1999) groundwater pumping estimate was 3,400 AFY.

Groundwater pumping and injection in the East Bay Plain (and Niles Cone) have been compiled for previous groundwater models of the region, including the NEBIGSM model and the NEBMODFLOW model. NEBMODFLOW model was setup based on NEBIGSM model (updated through 2013); therefore, groundwater pumping and recharge are practically identical in the NEBIGSM model and the NEBMODFLOW model, except for six wells defined in the most recent NEBIGSM model files received from ACWD that do not appear in the NEBMODFLOW model (**Figure 6-6**). Groundwater pumping is represented in the NEBMODFLOW model with one of three types of wells:

1. Extraction wells with detailed well screen information: 165 wells are defined in the NEBMODFLOW model using well screen elevation information.

2. Extraction wells with limited well screen information: 163 wells are defined in the NEBMODFLOW model and assigned pumping by model layer based on limited well screen elevation information. **Figures 6-7** and **6-8** show wells of this type and type 1 with nonzero pumping rates during water year 2013.
3. Extraction by areas: 1,253 wells replicated the element-distributed extraction (and recharge) that was implemented in the NEBIGSM model based on land use in regions that lacked specific information about well locations. Extraction/recharge areas were applied to the ACWD artificial recharge area above and below the Hayward fault, as wells as areas with estimated agricultural and urban pumping, as shown in **Figure 6-9**.

The distribution of wells and pumping amounts currently included in the NEBMODFLOW model will be further reviewed during model development to evaluate consistency with information contained in other reports and other available data collected during HCM development.

In summary, groundwater pumping in the EBP Subbasin in the 1950s to early 1960s was likely in the range of 35,000 to 50,000 AFY, with pumping occurring for municipal (Hayward), industrial, irrigation, and domestic uses. The vast majority of this pumping occurred in the southern portion of the Subbasin. Since the mid-1960s groundwater pumping was reduced substantially, with an estimated 3,350 AFY occurring as of 1995. For the time period from 1993 to 2002, it was estimated that groundwater pumping ranged from 2,660 to 3,550 AFY with an average of 3,150 AFY. Groundwater pumping from 2002 to 2015 has likely been similar to the range and average calculated for the 1990s and early 2000s. These changes in groundwater pumping over time are reflected in the groundwater levels for the Intermediate and Deep Aquifer Zones described in Section 5.1 of this TM.

6.4.7 Lateral Subsurface Inflow/Outflow

Lateral groundwater inflow/outflow can potentially occur to the west (San Francisco Bay) or south (Niles Cone Subbasin). The northern and eastern portions of the EBP Subbasin are bordered by bedrock and associated flows are addressed in Section 6.4.4.

Muir (1996a) estimated subsurface outflow to the west beneath/to San Francisco Bay based on Darcy's Law calculations. Muir's analysis is summarized in **Appendix A** (Section A-3.5). Muir's estimate of total net subsurface outflow to the west as of 1995 was 13,500 AFY. The amount of surface outflow to the west can be expected to vary substantially and in proportion to total groundwater pumping in the subbasin and will generally require groundwater modeling to evaluate this discharge component in more detail.

Lateral subsurface inflow/outflow to the south across the boundary with Niles Cone Subbasin has not previously been evaluated in any significant detail. Muir stated that limited available groundwater level data indicated flow to the south in the shallow zone and flow to the north in the deep zone in the vicinity of Union City. Muir stated there were insufficient data to calculate subsurface inflow and outflow, but he estimated a total net subsurface inflow of 200 AFY with no breakdown between shallow and deep zones. WRIME estimated a total net subsurface inflow to EBP Subbasin of about 300 AFY. Previous studies indicate this component of inflow/outflow across the southern EBP Subbasin boundary is relatively small;

however, this flow component will be further evaluated with the groundwater model being constructed for the current study and planned nested monitoring wells.

6.5 Historical Water Budget Analysis

As described above, the historical water balance was evaluated for a representative time period from 1990 to 2015. The initial water balance analysis provided in this TM is intended to provide initial input to the groundwater model and will be further evaluated and refined during groundwater model development and calibration. **Tables 6-10** and **6-11** present the average initial average annual estimates for the various recharge and discharge components. Some of these inflow components can generally be expected to be the same from year to year regardless of fluctuations in precipitation, including irrigation recharge, water pipe leaks, sewer pipe leaks, and bedrock inflow. The other two primary recharge components, precipitation recharge and streamflow infiltration, will tend to vary with climate conditions from year to year. The annual distribution of these two components will be further evaluated during groundwater model development and calibration. The subsurface outflow (and possibly stream discharge/sewer pipe outflow) component of groundwater discharge will fluctuate with changes in groundwater pumping.

Table 6-10: Summary of Average Annual Historical Water Balance Recharge Components

Inflows	Average Annual (AFY)	Potential Range (AFY)	Comments
Precipitation Recharge	4,800	3,000 to 8,000	Builds on Muir analysis with refinements to the San Lorenzo/San Leandro areas, and inclusion of the Richmond area.
Excess Irrigation Recharge – Large Parcels	750	500 to 1,000	Based only on area of relatively large irrigated parcels (e.g., parks, golf courses, cemeteries, etc.), 2.5 ft of applied irrigation water, 15% return flows
Excess Irrigation Recharge – Residential Parcels	1,600	1,000 to 2,000	Based only on area of residential properties, after removal of building/road area assume one-third of remaining area irrigated, 2.0 ft of applied irrigation water, 10% return flows
Water Pipe Leaks	4,350	2,000 to 7,500	Based on Muir analysis for 1990s and water audit data for 2017 . Assumes 50% of annual leakage is lost to ET by trees, utility trench inflow, runoff to storm drains, etc.
Sewer Pipe Leaks	3,000	1,500 to 5,000	Based on Muir analysis for 1990s, wastewater treatment plant data for 2015, and a sewer pipe leak rate estimated to be 5%. The estimate was reduced by 1/3 to account for losses via ET, utility trench inflow, etc.
Stream Infiltration	2,350	1,000 to 5,000	Based on review of previous studies and data, estimated infiltration rates of 0.5 to 0.8 cfs/mile for unlined stream channels.
Bedrock Inflow	2,600	1,000 to 4,000	Darcy's Law calculation based on bedrock WCR specific capacity data. For comparison, 2,600 AFY of bedrock inflow equates to 0.9 inches per year of recharge over 34,000 acres of hills bordering the subbasin (3 to 4% of average annual rainfall) in adjacent bedrock areas.
Recharge Totals	**19,450**	**10,000 to 32,500**	

Table 6-11: Summary of Average Annual Historical Water Balance Discharge Components

Outflows	Average Annual (AFY)	Potential Range (AFY)	Comments
Groundwater Pumping	3,150	2,000 to 4,000	Based on analyses conducted by Muir, EBMUD, and WRIME
Subsurface Outflow to San Francisco Bay	13,500	8,000 to 17,000	Based on estimate by Muir; will be determined during model development/calibration; value can vary widely (and possibly outside listed range) depending on amount of groundwater pumping
Stream Discharge and Sewer Pipe Outflow	2,800	500 to 4,000	Calculated as residual of water balance; will be determined during model development and calibration; value can vary widely (and possibly outside listed range) depending on amount of groundwater pumping
Discharge Totals	**19,450**	**10,500 to 25,000**	

6.6 Current Water Budget Analysis

The EBP Subbasin has not undergone significant changes since 1990, either in terms of land use or other factors that may result in significant changes to the water balance. The subbasin area was largely fully developed in terms of urban, commercial, and industrial uses by 1990, and changes since then have been relatively minor. Sources of water supply for the subbasin were dominated by imported surface water supplies by EBMUD and Hetch Hetchy (for Hayward) as of 1990 and have continued until today. Groundwater pumping for industrial, agricultural/irrigation, and domestic uses has remained relatively steady from 1990 to present. Therefore, the current water budget is essentially the same as the historical water budget.

It should be noted that there is potential increased interest for use of groundwater for irrigation and industrial uses in the future. For example, a Contra Costa grand jury report recommended evaluation of the potential for greater use of local groundwater for landscape irrigation and emergency purposes (Contra Costa County Grand Jury, 2016). Alameda County Public Works has not necessarily seen increased well permit applications in recent years; however, there are some indications of potential future use of groundwater for cannabis irrigation and increased private landowner irrigation. In addition, while construction dewatering operations do not require well permits, there are indications of increased construction dewatering operations in recent years (personal communication, James Yoo).

6.7 Water Budget Summary

The historical water budget summarized in **Tables 6-10** and **6-11** provides the basis for initial inputs to the groundwater model in Subtask 4.4 (groundwater model development and calibration). Some additional work will be conducted as part of model development to develop annual variation in rainfall recharge based on fluctuations to total rainfall over the model calibration base period. In addition, stream recharge and discharge are not direct inputs to the model, but rather are implemented as head dependent boundary conditions. Stream recharge and discharge are more of an output from the modeling calibration effort than an input during model development, which is also the case for determination of the amount of subsurface outflow to San Francisco Bay. Overall, the total recharge (and discharge) in the EBP Subbasin is estimated to be approximately 19,500 AFY under historical (1990 to 2015) and current conditions. Modifications to various components of the water balance will likely occur as part of the model calibration phase, and the final water balance will be derived from the calibrated groundwater flow model in Subtask 4.4.

7 SOUTHERN EBP SUBBASIN BOUNDARY EVALUATION

The nature of the hydrogeologic boundary along the border between the EBP Subbasin and Niles Cone Subbasin has been investigated in various ways in previous studies. The most significant previous studies relative to subbasin boundary evaluation include: DWR (1967), Figuers (1998), LSCE (2003), Koltermann and Gorelick (2006), Fugro (2011), and USGS (2018). These studies are summarized in **Appendix A** of this Subtask 4.2 TM. The data available to evaluate the southern EBP Subbasin boundary include: sediment depositional history (DWR, Koltermann and Gorelick, Figuers, LSCE), geologic cross sections (DWR, LSCE), regional aquifer testing (LSCE, Fugro), and isotope studies (USGS). This section discusses a comprehensive subbasin boundary evaluation based on analyses of previous studies, geologic conditions (sediment depositional history and geologic cross sections), hydraulic conditions (regional aquifer testing), and groundwater chemistry (isotope studies).

7.1 Geologic Conditions

7.1.1 Geologic History and Sediment Depositional Patterns

Figuers (1998) described the geologic history and sediment depositional patterns in the San Francisco Bay area encompassing the entire EBP Subbasin from Richmond to Hayward and farther south and west. The San Francisco Basin as defined by Figuers comprises the area south of Richmond to the Coyote Hills, the San Pablo Basin includes Richmond and areas to the north, and the Santa Clara Basin comprises the area southwest of Coyote Hills (**Figure 4-2**). The lower portion of the San Francisco Basin was filled with several hundred ft of continental alluvial fan/plain deposits stated to be Santa Clara Formation or equivalent units. The Alameda Formation, consisting of alternating estuarine and alluvial deposits, was then deposited on top of Santa Clara/equivalent units. The Alameda Formation is believed to be comprised of six to eight marine transgressions into San Francisco Bay, although only the most recent two transgressions are well defined. The more recent units within the Alameda Formation have been named (from top to bottom): Temescal, Young Bay Mud, Posey, Merritt, San Antonio, and Yerba Buena/Old Bay Mud. These units range up to approximately 200 ft thick. Figuers noted that the deeper alluvial fan sediments have been historically mapped as part of the Alameda, San Antonio, or Temescal Formations/Members; these units are equivalent in time, depositional environment, and lithology with Santa Clara and/or Merced Formations. Figuers characterizes the Alameda Formation as being from 100 ft thick (near Richmond) to more than 400 ft thick (near San Mateo Bridge) and underlying continental sediments of the Santa Clara/Merced Formations as ranging from 300-600 ft thick (alluvial fan units interfingered with lake, swamp, river channel, and flood plain deposits). In terms of delineation of aquifers and aquitards, Figuers noted that aquifers deeper than 400 ft likely correlate with the Santa Clara Formation or equivalent units.

Figuers noted that various DWR publications (1967, 1973, and 1994) have placed the boundary between Niles Cone Subbasin and EBP Subbasin between Highway 92/San Mateo Bridge on the north and Alameda Creek on the south. The transition zone defined by LSCE (2003) occurred in the middle of this former DWR boundary zone. Figuers estimated the maximum depth to bedrock at between 1,000-1,200 ft below sea level along the East Bay shoreline between approximately Bay Farm Island and San Mateo Bridge (see **Figure 4-10**). For most of the EBP Subbasin, the Hayward Fault is coincident with the bedrock/alluvium contact, and the bedrock forms the eastern boundary of the groundwater basin.

Figuers (1998) prepared a series of lithofacies maps for different time periods of sediment accumulation in the EBP Subbasin area (**Figures 4-4 to 4-7**). A lithofacies is a sediment/rock unit comprised of distinctive lithologic features (e.g., composition, grain size, bedding, sedimentary structures). Lithofacies may be grouped into assemblages or associations that are characteristic of particular depositional environments that tend to be cyclic.

Figuers described the Santa Clara/Merced Continental Deposits lithofacies depositional environment (**Figure 4-4**) as being similar to the Sacramento Valley today, with streams carrying sediment to a main depositional center area beneath present day San Leandro/San Lorenzo/Hayward and eastern San Francisco Bay. Coarse-grained material was deposited in a band of alluvial fans along the edges of the depositional center and fine-grained sediments were carried to the middle of the depositional center. Figuers describes Alameda Deposits (Marine and Continental) as being comprised of estuarine muds deposited in the Bay (during times of marine incursion) and alluvial fan deposits around the edges of the basin that extend further towards the center of the Bay during times of receding sea level (**Figures 4-5 and 4-6**).

DWR (1967) characterizes the Santa Clara Formation as being of Plio-Pleistocene age and distinct from Quaternary Alluvium of Pleistocene and Recent age. The Santa Clara Formation sediments vary at different locations where it is exposed but include: poorly sorted pebbly sandstone, siltstone, and clay between Warm Springs and Penitencia Creek and well sorted gravel lenses with no fines and several feet thick in the Mission Upland sand and gravel quarries (and including bones of some mammals of lower Pleistocene age). Mission Upland sediment characteristics indicate stream deposition and lack of marine deposits (i.e., continental deposits).

Overall observations from Santa Clara Formation outcrops from the western and eastern San Francisco Bay region outcrops indicate that Santa Clara Formation becomes coarser and more permeable with time, and formation permeability increases from west to east across the San Francisco Bay region.

7.1.2 Geology of Deep Aquifers

When their studies were conducted in the 1960s, DWR had limited information on deep aquifers in the Niles Cone, which they defined as greater than 400 ft deep. DWR (1967) had noted that Deep Aquifers,

> *"…may extend beyond the limits in the Niles subarea and thus act as conductive layers for the migration of ground water out of the Niles subarea. The configuration of water levels in wells tapping the deeper aquifers shows a gradient toward the north. This suggests that ground water moves toward the north beneath the boundary between the Niles subarea and the adjacent San Leandro Cone. It apparently moves toward the pumping depression caused by the deep municipal wells in Hayward."*

Although DWR (1967) did not provide a groundwater contour map for specific water level data for the Deep Aquifer, they had presumably based this observation on data from the early 1960s. The following paragraphs describe more recent analyses that indicate DWR's 1967 suggestion/conclusion regarding

Deep Aquifers appears to be inaccurate in light of subsequent studies that were not available at the time of DWR's 1967 review.

It is important to note that available data/information indicate the historical Hayward wellfield (Well 4, 5, 7 and 8), which was referenced in DWR's 1967 report, had wells located in the transition zone between East Bay Plain and Niles Cone Subbasins. More specifically, these wells were on and between the sites of current Hayward Wells B and E. Old Hayward Well 9 was on same parcel as Well E (EBP Subbasin), Well 7 was on same parcel as Well B (Niles Cone Subbasin), and Wells 4, 5, and 8 were between Wells E and B (**Figure 7-1**). Available well construction data for historical and existing City of Hayward production wells are summarized in **Table 7-1**. Two key aspects of Hayward's historical wells include: 1) All of these wells are screened at least in part in the Deep Aquifer; and 2) some of these wells are located within the EBP Subbasin and some are in the Niles Cone Subbasin. Thus, it might be reasonable to expect pumping of the older Hayward wells may have contributed to a northward gradient within the Niles Cone Deep Aquifer. The observed groundwater flow direction in the Deep Aquifer led DWR to speculate that the Niles Cone Deep Aquifers were recharged by streamflow infiltration along Alameda Creek in the eastern Niles Cone area.

Table 7-1: Summary of Historical and Existing City of Hayward Wells in Transition Zone Area

Well I.D.	T/R/S	Date Drilled	Total Depth Drilled	Well Screen Intervals	Total Well Depth	Aquifer(s) Screened	Subbasin
Well E	4S/2W-4E1	1999	545	470-490; 500-525	535	Deep	EBP
Well 9		1956	607	150-195; 219-314; 338-357; 405-428; 477-523	550	Shallow, Intermediate, Deep	EBP
Well 8		1945	505	289-301; 471.5-488		Intermediate, Deep	EBP?
Well 4	4S/2W-4E	1925	575	436.5-442.5; 505-513.5; 546-554	575	Deep	Niles Cone?
Well 5	4S/2W-4C5	1936	710	305.5-313; 444.5-448.5; 515-525	710	Intermediate, Deep	Niles Cone?
Well 7	4S/2W-4C6	1942	550	363-375; 443-453; 512-524	550	Intermediate, Deep	Niles Cone
Well B	4S/2W-4F6	1992	555	358-372; 440-450; 504-524	534	Intermediate, Deep	Niles Cone
Well C	4S/2W-4R1	1996	480	368-408; 420-454	464	Intermediate, Deep	Niles Cone

Review of the available data/reports indicates it is likely that pumping of the older Hayward supply wells located within Niles Cone portion of the transition zone contributed to the northward flow component observed by DWR (1967) within the Niles Cone Deep Aquifer. However, this likely did not result in flow across the hydrogeologic boundary between the two subbasins, because the Hayward wells within the EBP Subbasin appear to have created a historical southward flow direction within the Deep Aquifer. The fact that the older and existing Hayward Wells are located in close proximity but on either side of the subbasin hydrogeologic boundary within the transition zone appears to have resulted in southward groundwater flow in the EBP Subbasin Deep Aquifer and northward flow in the Niles Cone Subbasin Deep Aquifer.

DWR (1967) noted that the Coyote Hills barrier and relatively shallow bedrock to the west are important because streams were unable to deposit significant thicknesses of the sediments in this western area. DWR states, "As bedrock adjacent to Coyote Hills is at a depth of less than 500 ft, it is reasonable to assume that the sediments east of Coyote Hills below 500 ft could be correlative to the Santa Clara Formation." DWR goes on to note a thick zone of coarse-grained deposits along the San Mateo Bridge alignment at depths of 400-550 ft containing water of good quality, and that this zone is likely part of the extensive coarse-grained deposits that "…underlie the bay north of the area of investigation." DWR states, "It appears likely that the portion of the valley floor in the vicinity of the San Mateo Bridge was a boundary zone between alluvium deposited primarily under subareal conditions to the south and sediments primarily of marine origin to the north." DWR describes groundwater flow being to the south beneath the Bay due to lowered groundwater levels in Niles Cone and notes a difference in grain size (coarse sand and gravel for aquifers in Niles Cone vs. well-sorted sand beneath the Bay).

DWR (1967) suggested two potential explanations for the origin of the Deep Aquifers: 1) Alameda Creek alluvial fan is superimposed on older formations (the deeper aquifers) that have a different origin (i.e., not Alameda Creek alluvial fan deposits); 2) older sediments (deeper aquifers) are Alameda Creek alluvial fan deposits shifted further north by fault movements to a position, "…halfway between San Leandro Cone and the present location of the Alameda Creek alluvial fan." DWR was particularly concerned with the nature of the connection between deep aquifers in the Niles Cone area with the San Leandro Cone area because of potential for salt water intrusion in the Niles Cone to impact areas within the San Leandro Cone. Although DWR (1967) was inconclusive on hydraulic connection, it did establish some differences in depositional patterns between Niles Cone and EBP Subbasins as discussed below.

7.1.3 Geology of San Leandro Cone

In terms of the San Leandro Cone, DWR (1967) noted an upper (water-bearing sequence to a depth of 400 ft) and lower zone. The upper zone had two main aquifers comprised of fine gravel; the upper aquifer is at a depth of approximately 60 ft and thought to be equivalent to the Newark aquifer of the Niles Cone area. The lower aquifer is at a depth of about 250 ft and thought to be equivalent to the Centerville aquifer in the Niles Cone area. However, DWR stated, "The two aquifers in the San Leandro cone are separated from their counterparts in the Niles subarea by fine-grained zones", and "…a ground water condition exists that is largely independent of adjacent areas, with the result that little lateral movement of groundwater occurs into or out of the cone in this upper cone." With respect to the lower zone (below 400 ft), DWR notes that the lower zone contains considerably greater thicknesses of coarse-grained deposits and, "The thickness of aquifers in the lower zone does not materially decrease near the edge of the cone. This information together with the configuration of water levels in wells tapping this zone, suggest that the origin of the lower zone may be totally unrelated to that of the upper zone."

DWR (1967) described the San Leandro Cone upper zone aquifers within 200 ft of ground surface as always having heads above sea level in the upper reaches of the cone, with groundwater contours being fan-shaped; this indicates recharge from San Leandro Creek at the apex of the cone. DWR states that groundwater contours suggest a small amount of groundwater movement to the south into the Niles Cone area from the San Leandro Cone.

DWR (1967) stated, "Investigators of ground water conditions in the San Leandro cone have long held that aquifers in the lower zone are replenished by deep aquifers in the Niles subarea,", although "…some replenishment of these deep aquifers also occurs from the lowermost portions of the San Leandro Cone." With regard to San Leandro Cone DWR also noted, "…only a few shallow wells near the southeastern edge of the cone show any evidence of salt water intrusion…" and "Deeper aquifers are protected from salt water intrusion from San Francisco Bay because of high clay content in the overlying alluvium, even though the pressure head in these aquifers is considerably below sea level."

7.1.4 Characterization of Transition Zone

A gravity survey conducted for the DWR (1967) study revealed three potential hidden faults beneath alluvium that were not otherwise known. One of these faults (in Franciscan bedrock) occurs between Alameda Creek and the San Mateo Bridge, (**Figure 7-1)**. This concealed fault runs parallel to and about 1,500 ft southeast of the northern transition zone boundary line defined by LSCE (2003), and the concealed fault runs near Hayward Wells E and B. Vertical offset along the fault (down dropped to the northwest) may help explain the occurrence of the transition zone with Deep Aquifer coarse-grained layers at deeper depths northwest of the fault line.

Given recent evidence from geologic cross sections and regional pumping tests, DWR's description of the southwestern boundary of Niles Cone with San Jose subarea may be applicable to the Niles Cone – EBP Subbasin boundary. Essentially, DWR describes coarse-grained units thinning and pinching out towards the south in Niles Cone and towards the north in San Jose Subarea; this results in disconnected coarse-grained deposits within close proximity to one another (i.e., separated by relatively thin clay layers). This allows very limited flow of groundwater across the basin boundary regardless of the magnitude of the hydraulic gradient.

Koltermann and Gorelick (2006) modeled sediment deposition of the Alameda Creek alluvial fan. They identified six major coarse-grained depositional events (one coarse layer for each glacial cycle) over approximately the last 600,000 years in the Niles Cone. They postulated that continued subsidence provided an ever-deepening basin for deposition of Alameda Creek sediments. They stated the rapid and continuous subsidence resulted in formation of a marsh plain instead of a delta in San Francisco Bay. Their study was aimed at evaluating the impacts of tectonics and climate on sediment deposition. It was estimated there was approximately 750 ft of vertical offset (down-dropping to the west) and horizontal offset of 3.5 to 4 miles over the last 600,000 years (for reference, the southern boundary of the LSCE transition zone is located about 4 miles north of the Alameda Creek quarry ponds and about 5 miles north of the point where Alameda Creek exits the Diablo Hills). This horizontal offset of 1 centimeter/year (noted as being close to the geodetic average) was required to match the location of deep coarse-grained deposits on the northwest side of the alluvial fan. The vertical displacement across the fault was estimated by realignment of both sides after accounting for horizontal translation. Although not stated by Koltermann and Gorelick, it is likely the six coarse-grained units referenced in their paper represent (from top to bottom): Newark Aquifer, Centerville Aquifer, Fremont Aquifer, and the three coarse-grained units in the Niles Cone Deep Aquifer system below 400 ft. LSCE Team review of results of Koltermann and Gorelick (2006) suggest northward movement along the Hayward Fault was insufficient to explain the extent of the EBP Subbasin Deep Aquifer; the amount of northward movement west of the Hayward Fault over the past 600,000 years (estimated to be about 3.5 miles) is not nearly enough to explain the northern extent of the East Bay Plain Deep Aquifer (which is approximately 13 miles north of the Alameda Creek quarry pond area).

CH2M Hill (2000) defined a stratigraphic layer 4 as the continental deposited portion of the Alameda Formation, which is comprised of alluvial fan deposits interbedded with lake, swamp, river channel, and flood plain deposits. The report stated its thickness ranges from 10 ft along the eastern margin to 450 ft along the southern bay margin of the EBP Subbasin. This Lower Alameda Formation is correlative to or has been referred to in other studies as the Santa Clara Formation and Merced Formation. The report stated the EBP Subbasin Deep Aquifer is present at the top of this unit, but it does not extend north of San Leandro. The Deep Aquifer appears to extend towards the middle of the Bay based on San Mateo Bridge lithologic logs, although grain size is expected to decrease towards the center of the Bay. Overall, approximately the upper 100-150 ft of this Lower Alameda Formation unit (Santa Clara Formation) is considered an aquifer and the remaining underlying portions an aquitard.

In terms of the Santa Clara time depositional center defined by Figuers (1998), several observations can be made.

- First, the southern end of the Santa Clara time depositional center is located in the transition zone area and overlaps with the northern extent of the Niles Cone alluvium within the transition zone (see **Figure 7-2)**.
- Second, the Santa Clara time depositional center generally overlaps with the area where the relatively continuous Deep Aquifer is present at depths from 500-650 ft in the EBP Subbasin from Hayward Well E on the south (which is technically just outside the depocenter boundary) to the area between EBMUD Wells MW-10 and MW-8 on the north (a distance of about seven miles from Well E).
- Third, the middle of the Santa Clara depocenter is approximately 1.25 miles west of the EBMUD Bayside well beneath San Francisco Bay, and the eastern edge of the depocenter is approximately 2 miles east of the EBMUD Bayside well near the Farmhouse well (where Deep Aquifer thickness is reduced to only 30 ft).

- Fourth, it appears that the southern depocenter likely extends slightly further east in the Hayward area to encompass the Hayward Well E, the Mt. Eden well, and Hayward B6 and B7/Well A.

LSCE (2003) prepared detailed geologic cross sections in the southern portion of the EBP Subbasin, northern portion of the Niles Cone Subbasin, and within the area that came to be defined as a transition zone between the two subbasins. The regional scale geologic cross section in LSCE (2003) demonstrates a relatively thick and continuous Deep Aquifer in the EBP Subbasin from approximately San Leandro/San Lorenzo to Hayward (**Figure 4-13**). The EBP Subbasin Deep Aquifer appears to be at its deepest depths in the EBMUD Bayside Well area, with gradual upward shifting south (within EBP Subbasin) to the transition zone. The Deep Aquifer units appear to become disconnected, with upward stair-stepping of the coarse-grained units, through the transition zone defined by LSCE (2003). The regional cross section suggests that Deep Aquifer units of the Niles Cone Subbasin are generally disconnected from the Deep Aquifer units of the EBP Subbasin.

In describing the stratigraphy in the transition zone displayed in their Figures 4 and 18 (see **Appendix K**), LSCE (2003) stated, "Subunits of the Deep SEBP Aquifer appear to rise and extend further southward than preceding subunits resulting in a continuous 'stair-step' toward the transition with the Deep NCGWB Aquifer", and "The bottom of the Deep SEBP Aquifer appears to be about 100 to 150 lower in elevation than the Deep NCGWB Aquifer."

The detailed geologic cross section through the transition zone (LSCE 2003 Figure 4 in **Appendix D-2**) that incorporates Hayward Wells B, C, and E, and other wells demonstrates an upward, stair-stepping shift in Deep Aquifer coarse-grained units from north to south. The north and south vertical boundaries of the transition zone are curved, such that Hayward Well E occurs well within the transition zone at ground surface but Well E has screens in Deep Aquifer beds north of the vertical transition zone boundary and in the East Bay Plain. Hayward Wells B and C are indicated to be screened fully within the transition zone. Figure 4 in LSCE (2003) indicates that screen intervals in Hayward Well C are connected with Well B screens, but not connected with screen intervals in Hayward Well E. Hayward Well B, located between Wells C and E, appears to show a partial connection to both Well C and Well E. These connections (or lack thereof) were further evaluated in aquifer testing conducted by LSCE (2003) and Fugro (2011), which is described further in Section 7.2.

7.1.5 Summary of Geologic Conditions

The East Bay Plain Deep Aquifer appears to be associated with alluvial fan/plain deposits (the Santa Clara/Merced Formation equivalent units) beneath the Alameda Formation. These EBP Subbasin Deep Aquifer sediments are continental deposits of alluvial fan units interfingered with lake, swamp, river channel, and floodplain deposits. Conversely, the Deep Aquifer in Niles Cone is associated with a different depositional environment related to Alameda Creek alluvial fan deposits.

Lithofacies maps prepared for the Santa Clara time (**Figure 4-4**) and Alameda time (**Figures 4-5 and 4-6**) show that the southern edge of the Santa Clara time depositional center overlaps with the north edge of the Niles Cone alluvial fan deposited during Alameda time in the area of the transition zone (**Figure 7-2**). As stated above, it is likely that the Deep Aquifer in the East Bay Plain is comprised of Santa Clara/Merced

Formation equivalent units, whereas the Deep Aquifer in the Niles Cone is comprised of Alameda time alluvial fan deposits. This would explain the interfingering/stair-step pattern as shown in LSCE (2003) cross sections and the formation of a partial barrier to groundwater flow at this location in the transition zone.

7.2 Hydraulic Conditions

Figuers (1998) observed that the best method to distinguish "hydrogeologically distinct zones within alluvial fans" was through detailed pumping tests. To date, multiple regional aquifer tests were conducted to better understand hydraulic connections between EBP and Niles Cone Subbasins. The empirical data from these regional aquifer tests will be applied in conceptualizing and modeling the EBP Subbasin and transition zone for this GSP. The following sections provide discussion of these previous regional aquifer tests.

7.2.1 Regional Aquifer Testing with City of Hayward Production Wells C and E

Regional aquifer testing conducted by LSCE in 2002 on behalf of Hayward, ACWD, and EBMUD is described in detail in the report summary provided in **Appendix A** (Section A-3.11). Wells C and E, which are located in the transition zone area identified by LSCE, were each pumped separately at their respective capacities for two weeks each. Pumping (drawdown) and subsequent recovery water level data were collected from an extensive network of monitoring wells located north of, within, and south of the transition zone area. The regional aquifer test results for pumping of Well C generally showed observation well drawdowns as would be expected within a connected Deep Aquifer system for Well B and observation wells located south of Well C, plus Well B to the north. Observation wells north of Well B generally showed delays in response time and drawdowns of approximately half the amount that would be expected given their distance from Well C. Drawdown curves for observation wells located north of Well B (e.g., Mt. Eden well, Well E) suggested that, "…these wells are not completed in the same aquifer as the pumped well."

Similarly, observation wells north of Well E reflected expected drawdowns during pumping of Well E, while observation wells south of Well E (including Well B) showed approximately half the expected drawdown during pumping of Well E. These results generally indicated a partial barrier to groundwater flow in the Deep Aquifer between the East Bay Plain and Niles Cone Subbasins across the transition zone when pumping production wells located within the transition zone. LSCE (2003) stated, "An apparent consequence of the interpreted transition between the SEBP and NCGWB is an attenuation of pumping impacts from one basin to the other." This is demonstrated by the table provided in **Appendix K** that provides a comparison of predicted vs. actual drawdowns in observation wells for the aquifer tests conducted on City of Hayward Wells C and E.

7.2.2 Regional Aquifer Testing with EBMUD Bayside Well

Regional aquifer testing conducted by Fugro Consultants in 2010 on behalf of EBMUD is described in detail in the report summary provided in **Appendix A** (Section A-3.15). The EBMUD Bayside Well, which is located approximately 25,000 ft north of the transition zone and well within the EBP Subbasin, was pumped at 1,400 gpm for eight weeks continuously. Pumping (drawdown) and subsequent recovery water level data were collected from an extensive network of monitoring wells in the EBP Subbasin, Niles Cone Subbasin, and within and near the transition zone. ACWD provided data for key monitoring wells within and near the transition zone, Hayward provided access to selected wells to record water levels, and EBMUD monitoring wells and other wells were included in the overall monitoring network for water levels during the pumping test. The regional pumping test results generally showed observation well drawdowns as would be expected within a well connected to the Deep Aquifer system, and for Deep Aquifer observation wells ranging from Hayward Well E on the south to EBMUD MW-10 on the north. However, observation wells south of Hayward Well E (including nearby Hayward Well B) showed minimal drawdown (i.e., indistinguishable from background fluctuations) from pumping the EBMUD Bayside well, which suggests a significant barrier to groundwater flow within the transition zone between Hayward Wells E and B. On the north, the lack of deep aquifer response in EBMUD MW-8 indicated the continuous Deep Aquifer zone may pinch out between EBMUD wells MW-10 and MW-8. The pumping influence from the regional aquifer test also extended east at least as far as EBMUD MW-9, although the Deep Aquifer itself did not appear to be present at this location (the deepest monitoring well at this location appears to correlate with the intermediate zone).

These results generally indicated a fairly significant barrier to groundwater flow in the Deep Aquifer between the East Bay Plain and Niles Cone Subbasins across the transition zone between Hayward Wells E and B. This conclusion differs slightly from observations of drawdown during the LSCE regional aquifer testing only in terms of the potential degree of the partial barrier to flow. Both sets of regional aquifer tests showed that at least a partial barrier to flow is present, but the Fugro test confirmed a greater impedance than was indicated in the LSCE test. This slight discrepancy may relate to the details of the specific coarse-grained units screened in each of the three pumping wells and their related degree of interconnection with coarse-grained units spanning the transition zone boundary.

The regional aquifer test conducted in 2010 using the EBMUD Bayside Well pumping continuously at 1,400 gpm for two months provided significant insights regarding the EBP Subbasin Deep Aquifer system. The regional aquifer test helped to define the extent of the Deep Aquifer to the north, east, and south, provided information on aquifer parameters, and provided significant insights on the southern EBP Subbasin hydrogeologic boundary condition in the transition zone that was previously identified and characterized by LSCE (2003).

While pumping at Well E for two weeks by LSCE (2003) showed muted drawdown effects across the transition zone boundary in the Niles Cone Subbasin to the south, the pumping at the EBMUD Bayside Well for two months (Fugro, 2011) showed significant drawdowns after two months of pumping within the EBP Subbasin and right up to the northern boundary of the transition zone as reflected in the response at Well E. However, all wells south of Well E displayed no discernible response to pumping of the Bayside Well even though a significant response would be expected. The aquifer test results are provided in **Figures 7-3 and 7-4**. The amounts of drawdowns at several Deep Aquifer observation wells are provided in **Figure 7-3**, which shows drawdowns ranging from 9-11 ft about one mile north of the transition zone and drawdown of 7 ft (Well E) at the northern boundary of the transition zone. However, beginning less than a half mile farther south (Well B), which is located in Niles Cone Subbasin, no discernible drawdown response to pumping of the Bayside Well was observed. The observation well drawdown response and distance from the Bayside pumping well are also displayed in **Figure 7-4**, which shows the generally expected response in wells north of the transition zone along with the lack of response at the nearest well south of Well E within the transition zone.

7.2.3 Summary of Previous Regional Aquifer Testing Results

While the responses in observation wells from the regional aquifer tests conducted by LSCE (2003) and Fugro (2011) both indicated at least a partial barrier to groundwater flow across the transition zone, a greater barrier to flow seems to have been demonstrated in the Fugro (2011) test. It appears that there is a difference between pumping a well located within the transition zone defined by LSCE (2003) compared to pumping a well located north of the transition zone boundary. These data suggest that either one of the well screens in Well E is screened in a subunit with some limited continuity across the transition zone, or that at least one of the well screens in Well E is screened in a coarse-grained unit in the EBP Subbasin Deep Aquifer with a relatively thin fine-grained unit separating it from a coarse-grained subunit within he Niles Cone Deep Aquifer. Pumping of a production well at a higher rate and located within or very close to the transition zone and screened in the EBP Subbasin Deep Aquifer (such as Well E) may also induce enough aquifer system stress to transmit at least some drawdown response across the stratigraphic pinch outs occurring within the transition zone, whereas pumping of EBP Subbasin wells at high rates farther north is not sufficient to induce a significant response across the transition zone. It would be beneficial to conduct additional regional aquifer testing on both sides of the transition zone to further evaluate the nature of the southern EBP Subbasin boundary.

As a part of the subbasin characterization effort, a regional aquifer test is planned to further investigate the hydraulic connection between East Bay Plain and Niles Cone Subbasins in 2021. The results from this test will be incorporated in future GSP modeling efforts and refinement of the GSP. Analyses and application of these aquifer test data in groundwater modeling will be instrumental in evaluating the degree of hydraulic connection between two Subbasins.

7.3 Supplemental Evaluation of Geologic and Hydraulic Conditions

As part of this GSP development effort, additional review of geologic data in conjunction with regional aquifer testing data was conducted to further refine the vertical extent of the continuous portion of the Deep Aquifer, and location and width of the transition zone. These efforts led to development of maps of the top and bottom of coarse-grained units comprising the Deep Aquifer in the area between southern San Leandro and northern Union City, and development of two additional geologic cross-sections. The two new geologic cross-sections supplement previous cross-sections (LSCE, 2003) for this area. The new cross-sections run approximately parallel to the San Francisco Bay shoreline and are located northeast and southwest of the cross-section shown in **Figure 4-13**. The correlations shown on these two new cross-sections are based on a combination of geologic and hydraulic data (**Figures 7-5 through 7-7**). For example, hydraulic data from the EBMUD Bayside Well Test (Fugro, 2011) clearly showed an unimpeded hydraulic connection between the coarse-grained layer from 490 to 530 ft bgs in Well 3S/3W-25C020 and the coarse-grained layer from 400 to 440 ft bgs in Well 4S/2W-5G002. On the other hand, hydraulic data showed there was no hydraulic connection between the coarse-grained layer from 400 to 440 ft bgs in Well 4S/2W-5G002 and the coarse-grained layer from 425 to 445 ft bgs in Well 4S/2W-8Q1. The combined geologic and hydraulic data correlations of coarse-grained layers are indicated on **Figures 7-6 and 7-7**.

Borehole lithology data were also reviewed for several borings/wells drilled into the Deep Aquifer Zone to characterize the top and bottom of coarse-grained layers comprising the Deep Aquifer in the area between San Leandro and Union City. It should be noted that the coarse-grained units are not necessarily vertically continuous at a given boring/well location and are often separated by fine-grained layers between individual coarse-grained layers. The maps developed from this effort for the top (**Figure 7-8**) and bottom (**Figure 7-9**) of Deep Aquifer coarse-grained units incorporate fine-grained layers that may be present between individual coarse-grained layers comprising the Deep Aquifer. These maps should be considered approximate and generalized representations of the top and bottom surfaces of the Deep Aquifer coarse-grained units in the southern EBP Subbasin.

Figures 7-8 and 7-9 indicate the coarse-grained units of the Deep Aquifer occur at their greatest depths in the general area of the EBMUD Bayside Well in San Lorenzo. The top and bottom of the Deep Aquifer coarse-grained units are deepest within a trough area extending southeast from the EBMUD Bayside Well towards Hayward Well E, and they become shallower towards EBMUD MW-8 to the north-northwest, towards the Hayward Fault to the northeast, and to the south along the SF Bay margin. The greatest depths to the top of the Deep Aquifer coarse-grained units are indicated to range from about 520 ft bgs at the EBMUD Bayside Well to about 470 ft bgs at Hayward Well E, with depths ranging from about 400 to 420 ft south of the Transition Zone. The greatest depths to the bottom of the Deep Aquifer coarse-grained units range from about 650 ft bgs near the EBMUD Bayside Well to about 520 ft near Hayward Well E. The base of Deep Aquifer coarse-grained units is indicated to range from 440 to 470 ft bgs immediately south of the transition zone.

7.4 Isotope and Groundwater Chemistry Data Evaluation

The USGS conducted a groundwater chemistry and isotope study to investigate the movement of a component of recharge water from Niles Cone Subbasin quarry lakes towards the north through the transition zone within the EBP Subbasin (Teague, et.al., 2019). Data utilized in the study included groundwater levels, InSAR, water chemistry, and isotopes (tritium/helium-3, helium-4, and carbon-14 age dating). A detailed summary of the study is provided in **Appendix A** (Section A-2.4).

The concluding statement in the Executive Summary of the USGS study is that the observations made from analysis of data,

> *"…may result from water recharged from different sources converging in flow paths north of the transition zone, or a boundary to flow between the Niles Cone and southern East Bay Plain groundwater subbasins, likely owing to changes in lithology caused by depositional patterns."*

This conclusion agrees with the observation of groundwater flow to the south in the Deep Aquifer within EBP Subbasin and groundwater flow to the north within the Deep Aquifer of Niles Cone Subbasin.

Groundwater levels were collected for the study during Spring/Fall of 2002. Both the Upper Aquifer system and Lower Aquifer system groundwater contour maps show radial flow away from the quarry pits (northwest, west, south, and southeast), with steeper contours to the south and southeast towards

Aquifer Reclamation Project (ARP) wells and the Mowry Well Field. Heads in Upper Aquifer system are generally on the order of 20 ft higher than in Lower Aquifer System. The study indicates a lack of Upper Aquifer System wells being available north of Old Alameda Creek because of the dominance of fine-grained sediments in this depth zone over this area.

The primary purpose of water sample collection/analysis was to evaluate the effects of managed aquifer recharge on groundwater in Niles Cone and EBP Subbasins. The USGS report states, “Water recharged at Quarry Lakes primarily affects the uppermost and adjacent wells…The major-ion and chloride-to-iodide data for water from Deep aquifer wells adjacent to Quarry Lakes is characteristic of groundwater intruded by seawater, indicating that water recharged at Quarry Lakes is not a major source of recharge to the Deep aquifer.” However, based on noble gas analysis, “Presently, the Deep aquifer wells near Quarry Lakes are recharged from the shallow aquifer…” Noble gas analysis also indicates, “… recharge in area south of San Lorenzo Creek is from areal recharge from precipitation.” Groundwater to the north of study area was indicated to be recharged (based on noble gases) from San Lorenzo and San Leandro Creeks (USGS, 2003). ^{18}O and deuterium data indicate groundwater in the southern EBP Subbasin is from areal recharge (i.e., precipitation).

Some of the key findings of the USGS isotope study were:

- “The largest changes in Major-ion composition, accompanied by increases in pH, occur between wells 4F3 (MW-B-Deep) and 4E1 (Well E).”
- “Groundwater velocities calculated from interpreted carbon-14 ages range from 3 to 12 ft/yr in the Deep aquifer of the Niles Cone groundwater subbasin and decrease to as little as 0.5 ft/yr near the transition to the southern East Bay Plain groundwater subbasin.”
- “These results are consistent with lithologic changes (LSCE, 2003) within the transition zone that separates the two groundwater subbasins and acts as a barrier to flow between the Niles Cone and southern East Bay Plain groundwater subbasins. Because the converging flow paths and lithologic changes at the transition zone restrict movement of groundwater from the Niles Cone groundwater subbasin into the East Bay Plain groundwater subbasin, water recharged at the Quarry Lakes likely remains within the Niles Cone groundwater subbasin.”
- “Changes in the slope of the water-level contours near the transition zone between the Niles Cone and southern East Bay Plain groundwater subbasins are consistent with changes in lithology, or could indicate structural features such as faults or folds that impede groundwater flow.”
- “…water recharged at Quarry Lakes directly affects water levels and water quality in wells in the vicinity of the recharge facility, and that water likely remains within the subbasin.”

The overall conclusion of the study was that multiple lines of evidence show that there is at least a partial barrier to groundwater flow between Hayward Wells B (located in the Niles Cone Subbasin) and Well E (located in the EBP Subbasin).

The LSCE Team has reviewed the USGS isotope study data and interpretations in greater detail. The purpose was to evaluate the analysis and interpretation of the southern EBP Subbasin boundary conditions that rely upon isotopic data. Much of the data and interpretations are presented in the USGS report by Teague et al., 2019 (Hydrogeologic Controls and Geochemical Indicators of Groundwater Movement in the Niles Cone and Southern East Bay Plain Groundwater Subbasins, Alameda County, California) described above.

As described above, the southern EBP Subbasin boundary is interpreted as a transition zone. It is somewhat unusual to use the interpretation of isotopic data to define or to characterize a lateral hydrologic boundary (vertical boundaries are frequently characterized by highly contrasting groundwater ages or distinct geochemical signatures above and below the boundary). In this case, the transition zone is delineated as a region where groundwater ages in wells along flow paths indicate a significant decrease in groundwater velocity (i.e., a significant increase in groundwater age) over a relatively short distance.

Isotopic data from samples collected by USGS in 2002 and considered here include stable isotopes of H (δD) and O (δ^{18}O), tritium (^{3}H), ^{14}Carbon and stable isotopes of C (δ^{13}C), dissolved noble gas concentrations, and helium isotopes. Stable isotopes of the water molecule are typically applied to identify water source area or recharge location. Groundwater ages are calculated from ^{3}H and its daughter product ^{3}He (when ^{3}H is above the detection limit), ^{14}C activity (often using δ^{13}C to correct ^{14}C ages), and accumulated radiogenic ^{4}He. In general, the ^{3}H-^{3}He method, which applies only over a time period of six decades prior to the time of sampling, is much more reliable with respect to accuracy and precision, than the ^{14}C or radiogenic ^{4}He methods, which apply over much longer time periods, up to 40,000 years and 100s of thousands of years, respectively. However, the large number of wells in the EBP Subbasin producing water with very low or no tritium activity, and the likelihood that mixed ages are produced at wells, necessitates application of the old groundwater tracers, especially in the Deep Aquifer systems.

Although the complications associated with application of these groundwater age dating methods are mentioned in Teague et al. (2019), they are worth highlighting here. The ^{3}H-^{3}He method gives a relatively robust estimate of the time since recharge for the portion of groundwater containing tritium. In mixed-aged samples, old groundwater components that are devoid of tritium cause dilution of tritium and may skew mean apparent ages toward a very old part of the distribution depending on mixing patterns and variable age distributions. The ^{14}C method is highly susceptible to producing inaccurate ages because of biogeochemical reactions that alter the initial ^{14}C activity prior to recharge and because of geochemical reactions (especially carbonate dissolution) that alter ^{14}C activity in dissolved inorganic carbon during groundwater transport. Accumulation of radiogenic ^{4}He typically suffers from lack of calibration since the production and release rate of ^{4}He from U and Th in host formations varies significantly from aquifer system to aquifer system and depends on aquifer sediment mineralogy and effective porosity. Furthermore, sources of ^{4}He other than the radiogenic component used in age dating, such as a deep crustal flux, may contribute to the ^{4}He concentration in a groundwater sample.

Despite a very wide range of reported ages, all of the reported δD and δ^{18}O values fall within a very narrow range, especially for the set of wells screened in the Deep Aquifer away from the influence of ACWD recharge ponds (δ^{18}O -6.9 to -7.3‰; δD -45.3 to -50.4‰). This important result indicates that the source of recharge to these wells has not changed over the long time period defined by the groundwater ages, and the source is predominantly local precipitation. The long term, volume-weighted mean of δD and $\delta^{18}O$ in precipitation is within the range of the groundwater results. An evaporated water signature, attributed to water from Quarry Lakes recharge facilities, is evident mainly in shallow aquifer system wells near the recharge facilities. An evaporated water signature is also observed (more subtly) in the Deep Aquifer in wells 17M and 13P.

Tritium is found in all of the shallow wells tested but only in 5 of the 14 deep wells tested. Thus, in general, groundwater in the Deep Aquifer is pre-modern and recharged before about 1950. However, Deep Aquifer wells 20L20, 17M6, and 13P5 produce a significant component of modern water (as evidenced by the presence of tritium and very little radiogenic ^{4}He), which is an indication of leakage from the shallower system at those locations. Well 12C1 (the second well along the flow path delineated in the Deep Aquifer), shows strong evidence for a mixed groundwater age, with a tritium activity indicating recent recharge (as noted on p. 33 of Teague et. al.). The leakage to the Deep Aquifer could be because of a non-natural conduit such as an improperly abandoned well, a leaky aquitard near a pumping well, or a natural geologic conduit.

For wells devoid of tritium, ^{14}C and radiogenic ^{4}He are applied to get information about groundwater residence time. Although these methods are geochemically and radiologically independent, Teague et al. (2019) ‘calibrated’ ^{4}He using ^{14}C results since raw ^{4}He ages are unrealistically old (much older than host sediments). Typically, the best match between ^{14}C and ^{4}He ages is found when a large deep crustal flux is subtracted from measured ^{4}He concentrations. Reported ^{14}C ages were also corrected using the reactive transport program NETPATH. The carbonate evolution of many groundwaters involves dissolution of soil CO_2 and subsequent dissolution of sedimentary carbonate, and NETPATH predicts the geochemical and isotopic evolution of groundwater using an integrated mass balance approach with several constraints from the chemical and isotopic composition of initial and final water samples. In addition, since some samples from the Deep Aquifer contain tritium indicating a young water component, the initial ^{14}C activity was taken as the highest ^{14}C level observed in this subset of wells. The absolute ^{14}C and ^{4}He ages that are reported have a high level of associated uncertainty and could over or underestimate actual residence times by as much as an order of magnitude. However, the observed patterns (as opposed to absolute numbers) in both raw and corrected ^{14}C and ^{4}He results can be interpreted with greater certainty.

A Deep Aquifer flow path through the transition zone was delineated in Teague et al. (2019) using wells 12K8, 12C1, 3L1, 4F3, 4E1, and 29L6 (USGS Report Table 7-1 and Figure 16). Later, the notion that groundwater flows from the area of 20L20-29L6 southeastward toward the transition zone is introduced, which would lead to converging flow paths in the transition zone. Using the defined flow path to calculate distances, and groundwater ages (travel times) based on corrected ^{14}C, flow rates are calculated, which show a sharp decrease in the rate of groundwater flow at the transition zone. This interpretation by Teague et. al. (2019) is consistent with other data showing southward groundwater flow in the Deep Aquifer in the EBP Subbasin and northward groundwater flow in the Deep Aquifer in the Niles Cone Subbasin.

The conclusions and evidence for groundwater flow path delineation in the six wells along the flow path evaluated by USGS should consider the associated uncertainty. For example, a progression from less chemically evolved to more chemically evolved water along the flow path is not evident in the many parameters with available data. Geochemical evolution along a groundwater flow path typically involves mineral dissolution and cation exchange reactions, but the expected progressions are not discernible along the flow path used to calculate flow rates (although it is recognized a lack of progression may be due to presence of partial barriers to flow, residual salt water intrusion, and/or wells in flow path screened in different Deep Aquifer units). Furthermore, results for wells 2H1, 10E4, and 4R1 (all screened in the Deep Aquifer and on the cross section in USGS Report Figure 4) are not included in flow path/age analysis, and would not follow the expected progression for ^{14}C age (2H1) or for ^{4}He (2H1, 10E4, and 4R1). The mixing of groundwater of different ages, either during transport, or in the wellbore, is a likely reason for the lack of a clear signal of geochemical and isotopic progression along the flow path. The mixed ages make the calculated groundwater flow rates uncertain.

Although uncertainty exists in the absolute groundwater ages and in calculated groundwater flow rates, the geochemical and isotopic data clearly show that wells 4E1 (Hayward Well E) and 29L6 (located in EBP Subbasin about 1.85 miles north of Hayward Well E) are geochemically and isotopically distinct from wells 12K8 (located in Niles Cone south of transition zone), 12C1 (located in Niles Cone south of transition zone), 3L1 (located in Niles Cone portion of transition zone) and 4F3 (Hayward Well B deep monitoring well), with multiple indications of a longer residence time in the two northern wells (4E1 and 29L6). Although these six wells are not likely along a flow path, they are screened at similar depths in the Deep Aquifer and the boundary between the two water types coincides with the location of the hydrogeologic subbasin boundary within the transition zone. Most significantly, ^{14}C activity shows an abrupt decrease from about 50 percent modern Carbon in the southerly wells to 23 percent modern Carbon in the northerly wells. Radiogenic ^{4}He is relatively high in the two northerly wells, indicating very old groundwater, although a progressive pattern in ^{4}He along the defined flow path is not clear. The northerly wells are also distinct with respect to (higher) recharge temperatures and (lighter) $\delta^{13}C$.

Aquifer testing described in Section 7.2 indicates that well 4R1 (Hayward Well C) is screened in Niles Cone Deep Aquifer sediments, with limited hydraulic connection to the EBP Subbasin Deep Aquifer, while well 4E1 (Hayward Well E) is screened in the EBP Subbasin Deep Aquifer with limited hydraulic connection to the Niles Cone Deep Aquifer (LSCE, 2003; Fugro, 2011). These two wells were sampled for geochemical and isotopic constituents and show the contrast described above. Hayward Well B, which our review of lithologic logs and aquifer test data indicate is screened in Niles Cone Deep Aquifer sediments within the transition zone, was not sampled for geochemical and isotopic constituents. However, the immediately adjacent deep monitoring well (4F3) was sampled for geochemical and isotopic constituents and the results fall in the Niles Cone Deep Aquifer group.

Progressive patterns include a decrease in hardness (Ca+Mg) and increase in Na+K from south to north. 4E1 stands out as having higher B, Br, I, SO_4 and Fe concentrations, and somewhat lighter (more negative) $\delta^{18}O$ and $\delta^{13}C$. 4R1 stands out as having more 'excess air' (from noble gas analysis). Overall, there are more similarities between 4F3 (Hayward Well B Deep Monitoring Well) and 4R1 (Hayward Well C) than between other pairs. The most important progression is in the ^{14}C raw activity and ^{14}C calculated age, which goes from 62 percent modern Carbon (3,900 years) in 4R1 (Hayward Well C), to 50 percent modern Carbon

(5600 years) in 4F3 (Hayward Well B Deep Monitoring Well), to 23 percent modern Carbon (12,000 years) in 4E1 (Hayward Well E). The latter age would indicate recharge during the Pleistocene epoch under different climatic conditions. The EBP Subbasin Deep Aquifer is significantly more isolated from shallower aquifers compared to Niles Cone Subbasin Deep Aquifer, which is consistent with well 4E1 in the EBP Subbasin having older water compared to the two wells further south (4F3 and 4R1) in the Niles Cone Subbasin.

7.4.1 Summary of Geochemical and Isotope Data Interpretation

The cause of the distinct groundwater types and the nature of the transition zone are not well defined or characterized by isotope data alone; possible causes include converging groundwater flow paths, a structural feature like a fault, or changes in lithology/stratigraphy related to changes in the depositional paleoenvironment. The transition zone coincides with a big meander in Old Alameda Creek, which in turn could be related to a structural feature. A fault boundary at this location is potentially supported by evidence cited by DWR (1967) and aquifer test analyses. Similarities among other parameters, especially δD and $\delta^{18}O$ among all of the wells, suggest that water source/converging flow paths are not the reason for the transition zone. A change in the sediment characteristics, with potential offset of Deep Aquifer coarse-grained units between the two subbasins, could result in a longer groundwater residence time in the Deep Aquifer north of the transition zone. This may be the most likely reason for the observed contrast in groundwater age on either side of the transition zone.

In summary, the geochemical and isotopic results for Deep Aquifer wells reported and interpreted in Teague et al. (2019) are generally consistent and compatible with the findings from analyses of regional aquifer test results. Water from two wells to the north of the transition zone have similar geochemical characteristics and very old groundwater ages, which contrasts with three wells to the south of the transition zone with younger groundwater ages (though pre-modern). Depiction of the wells as being along a flow path may not necessarily be well-supported by the data, because some samples exhibit evidence of being a mixture of younger and older groundwater and flow rates determined from ages are uncertain. In general, evidence from geologic (Section 7.1) and hydraulic (Section 7.2) interpretations should be given greater weight than geochemical or isotopic interpretations in delineating and defining the characteristics of the transition zone. However, geochemical and isotopic data and interpretations are a completely independent method of confirming conclusions reached from other types of data.

7.5 Synthesis of Available Data to Characterize Southern EBP Subbasin Boundary

The overall evaluation of the southern EBP Subbasin hydrogeologic boundary finds that multiple lines of evidence point to at least a partial barrier (and potentially a significant barrier) to groundwater flow between Hayward Wells B and E, which is consistent with the results described under hydraulic testing related to regional pumping tests above. This finding is also consistent with detailed geologic cross sections through the transition zone and evaluation of geochemical/isotopic data.

Lines of evidence regarding the nature of the southern EBP Subbasin boundary include the following:

1) **Depositional environments** indicate the sediments of the EBP Subbasin Deep Aquifer were deposited within a depositional center that aligns well with the extent of the EBP Subbasin Deep Aquifer during the

time period of Santa Clara Formation deposits in the San Francisco Bay Area. The Niles Cone Deep Aquifer sediments were deposited as Alameda Creek alluvial fan sediments, with a depositional pattern that overlaps with the Santa Clara time depositional center in the transition zone.

2) Review of lithologic and geophysical logs, along with construction of geologic cross sections (LSCE, 2003) reveals an EBP Subbasin Deep Aquifer of continuous extent from San Leandro to Hayward at depths from 500-650 ft bgs. The EBP Subbasin Deep Aquifer coarse-grained units begin to shift upward as it approaches the transition zone, where the coarse-grained units then begin to discontinuously overlap in an upward stair-step fashion. The geologic cross section through the transition zone indicates discontinuity in Deep Aquifer coarse-grained units of the EBP Subbasin compared to the Niles Cone Subbasin.

3) Review of regional aquifer testing data from LSCE (2003) indicates that pumping of production wells within the transition zone results in muted drawdown effects across an apparent hydrogeologic boundary that occurs between Hayward Wells E and B. This apparent hydrogeologic boundary observed in the two pumping tests corresponds well with observations from geologic cross section work also provided in LSCE (2003).

4) Review of regional aquifer testing data from Fugro (2011) provides additional hydraulic information that demonstrates pumping of a large-scale production well north of the transition zone over a long period of time (8 weeks) results in very distinct drawdown in EBP Subbasin observation wells that abruptly stops upon encountering observation wells in the transition zone south of Hayward Well E. The pattern of observation well drawdown from this long-term test further confirms the presence of a significant barrier to flow between Hayward Wells E and B within the transition zone.

5) Review of geochemical and isotopic data indicates groundwater from two wells to the north of the transition zone have similar geochemical characteristics and very old groundwater ages; this contrasts with three wells to the south of the transition zone with younger groundwater ages. While geochemical/isotopic data collected to date are noted to have greater uncertainty than other data types applied to this analysis, these data provide independent confirmation and support of the overall conclusions of this subbasin boundary evaluation.

7.6 Transition Zone Conceptualization for Development of Groundwater Model

The overall conclusion of the basin boundary evaluation is that multiple lines of evidence point to a partial to significant barrier to groundwater flow in the transition zone between Hayward Wells B and E. The hydraulic (aquifer test) data from the LSCE (2003) and Fugro (2011) studies combined with the depositional environment, geologic data, and geochemical/isotopic data from various studies provide an excellent overall dataset for input and calibration of the groundwater model to be developed for the GSP. In particular, part of the EBP Subbasin model calibration work can utilize regional aquifer testing observation well data for improving the overall model calibration and simulation of the effects of the partial barrier within the transition zone. The available observation well data from three different regional aquifer tests will provide independent datasets for calibration. The knowledge gained from geologic cross section work can help determine the appropriate model feature to use in simulating the partial barrier to flow in the transition zone.

In summary, the groundwater model being developed for the EBP Subbasin in this GSP should benefit greatly from the significant body of hydrogeologic work conducted in the transition zone area and represent up-to-date scientific knowledge accumulated over last twenty years. In addition, future updates to the groundwater model (e.g., 2027 5 Year GSP Update) will benefit from additional transition zone data (e.g., new monitoring wells, regional aquifer testing, isotope studies) being collected as part of a recently obtained DWR Prop 68 grant.

8 SUMMARY

8.1 Hydrogeologic Conceptual Model

Consistent with DWR's Best Management Practices for the Hydrogeologic Conceptual Model (HCM), the HCM for the EBP Subbasin includes a description of the regional geologic and structural setting, lateral and vertical basin boundaries, major aquifers and aquitards, aquifer parameters, recharge and discharge areas, surface water bodies, and imported water delivery points.

The regional geologic/structural setting for the EBP Subbasin involved formation of a basin for deposition of unconsolidated sediments over approximately the past 600 thousand years to depths exceeding 1,000 ft in some areas. Depositional environments varied over time with areas of uplift and subsidence along with rising and falling sea levels due to the ice ages. The early depositional environment associated with Santa Clara Formation sediments may have been analogous to the modern day Central Valley (on a much smaller scale though) with an oval shaped depositional center that incorporated the present day EBP Subbasin land area and the middle to eastern portion of present day San Francisco Bay (primarily south of the Bay Bridge). This early depositional environment was followed by the Continental and Marine deposits of the Alameda Formation, which included several alluvial cones emanating from the East Bay Hills. The rise and fall of sea level during Alameda time resulted in alternating deposition of widespread fine-grained deposits (during warm periods with high sea levels that were sometimes higher than today), and widespread deposition of coarse-grained deposits (especially associated with the Niles Cone alluvial fan) during cooler periods with greater precipitation.

The sequence of depositional environments resulted in a prevalence of fine-grained deposits in the Shallow and Intermediate Aquifer Zones (upper 400 ft) within the EBP Subbasin, which include multiple but discontinuous coarse-grained lenses. The sediments of the Deep Aquifer Zone below 400 ft were deposited in a different depositional environment that resulted in relatively thick and continuous coarse-grained deposits in an area from southern San Leandro to Hayward. Coarse-grained deposits in the Deep Aquifer Zone north of southern San Leandro tend to be discontinuous beds. Meanwhile, deposition to the south of the EBP Subbasin in the Niles Cone resulted in multiple distinct and relatively continuous aquifer/aquitard zones. Thus, there are distinct differences in the occurrence and continuity of aquifers in the EBP Subbasin vs. the Niles Cone Subbasin.

Although there are many small-scale residential irrigation wells that primarily tap the Shallow Aquifer Zone, the focus of groundwater development in the EBP Subbasin over the past 30 years or so has been the Deep Aquifer in the southern portion of the Subbasin. The Deep Aquifer is the zone tapped by the EBMUD Bayside Well and the majority of screens in City of Hayward Emergency wells (some Hayward wells also are partially screened in the lower Intermediate Aquifer Zone). The Deep Aquifer is also the primary zone tapped by industrial supply wells and large-scale irrigation wells. While it is generally clear that Shallow and Intermediate Aquifer Zones in the EBP Subbasin are laterally discontinuous and do not connect with aquifers in the same depth zone in Niles Cone, historically there has been some uncertainty regarding the possible connection of the Deep Aquifer in the southern EBP Subbasin with the Deep Aquifer in the Niles Cone Subbasin.

The potential for connection of the Deep Aquifer between the two subbasins was methodically evaluated in this Subtask 4.2 TM based on available data related to: geology/stratigraphy, regional aquifer test data, and groundwater chemistry/isotope data. The overall conclusion is that there is a partial to significant barrier to flow through the Deep Aquifer transition zone located south of the San Mateo Bridge, which will be further evaluated in subsequent GSP development tasks.

8.2 Groundwater Conditions

Groundwater conditions for the EBP Subbasin include a description and analysis of groundwater levels, groundwater storage, groundwater quality, seawater intrusion, subsidence, groundwater – surface water interaction, and GDEs.

Groundwater levels likely reached their low point in the early 1960s, and levels underwent significant recovery between the mid-1960s and late 1990s. Groundwater levels have fluctuated seasonally and with wet and dry year sequences, but overall they have remained relatively steady since 2000. During the 1960s to late 1990s, the greatest historical fluctuations in groundwater levels occurred in the Intermediate and Deep Aquifer Zones. Groundwater level data for the Water Table Aquifer zone (upper 50 ft) were very sparse prior to 2000, but data over the past 20 years indicate generally shallow depths to water (less than 30 ft) over most of the EBP Subbasin except in some places near the East Bay Hills. Total groundwater storage estimates for the subbasin are in excess of two million acre-ft, although useable groundwater storage estimates (80,000 acre-ft) are only a fraction of these total groundwater storage estimates.

Available groundwater quality data are generally limited, particularly for the deeper aquifer zones that supply most of the potable water pumped in the subbasin. However, available data are sufficient to characterize basin groundwater quality as generally good for potable supplies from the Intermediate and Deep Aquifer Zones, although manganese treatment is likely needed for most wells for drinking water uses. Although seawater intrusion has historically been a major issue for the Niles Cone Subbasin to the south, it has not been a significant issue for the EBP Subbasin in the Intermediate and Deep Aquifer Zones despite having historical groundwater levels substantially below sea level for extended periods of time. This historical observation in the EBP Subbasin is likely due to the presence of protective clay layers overlying the Intermediate and Deep Aquifer Zones.

8.3 Water Budget

The water budget for the EBP Subbasin evaluates the key recharge and discharge components. The key recharge components include rainfall recharge, excess irrigation recharge, streamflow infiltration, pipe leakage, bedrock inflow, and lateral subsurface inflow. The key discharge components are groundwater pumping, discharge to streams, and lateral subsurface outflow. Most of the recharge and discharge components have been initially quantified in this Subtask 4.2 TM; however, certain components (e.g., lateral subsurface inflow/outflow and stream discharge/sewer pipe outflow) will only be quantified using the groundwater model being developed for the GSP. The quantification of recharge and discharge components in this TM will provide initial input to the groundwater model, and then these components will be subject to further refinement during groundwater model calibration.

The groundwater recharge components estimated in this TM included precipitation recharge (4,800 AFY), large community parcel irrigation recharge (750 AFY), residential parcel irrigation recharge (1,600 AFY), leaking water supply pipes (4,350 AFY), leaking sewer pipes (3,000 AFY), streamflow infiltration (2,350 AFY), and bedrock inflow (2,600 AFY). The total estimated recharge for the entire EBP Subbasin from all sources was estimated to be 19,450 AFY.

The groundwater discharge components estimated in this TM primarily include groundwater pumping and subsurface outflow to the west. Four previous studies (Muir, 1996a; RWQCB, 1999; WRIME, 2005 EBMUD, 2013) provided groundwater pumping estimates ranging from 3,150 to 3,400 AFY for various time periods within the 1990 to 2015 base period. Muir (1996a) estimated groundwater outflow to the west to be approximately 13,500 AFY. Assuming an average annual groundwater pumping estimate of 3,150 AFY combined with 13,500 AFY of outflow to the west yields a total groundwater discharge for these two components of 16,650 AFY. An estimated 2,800 AFY of groundwater discharge (possibly to stream channels near the Bay) would result in a total 19,450 AFY of groundwater discharge to balance the estimated 19,450 AFY of recharge for the Subbasin.

The water balance evaluated for the 1990 to 2015 historical time period in this TM, along with consideration of historical groundwater pumping, groundwater levels, and groundwater quality data going back to the 1950s, indicates that additional groundwater pumping (as compared to the amount pumped over the 1990 to 2015 period) can occur while remaining within the EBP Subbasin sustainable yield. Additional groundwater pumping would be balanced by reductions in lateral subsurface outflow and/or stream discharge. The potential for increased groundwater pumping from the EBP Subbasin in the future will be further evaluated using the groundwater model and documented in Subtask 4.6.

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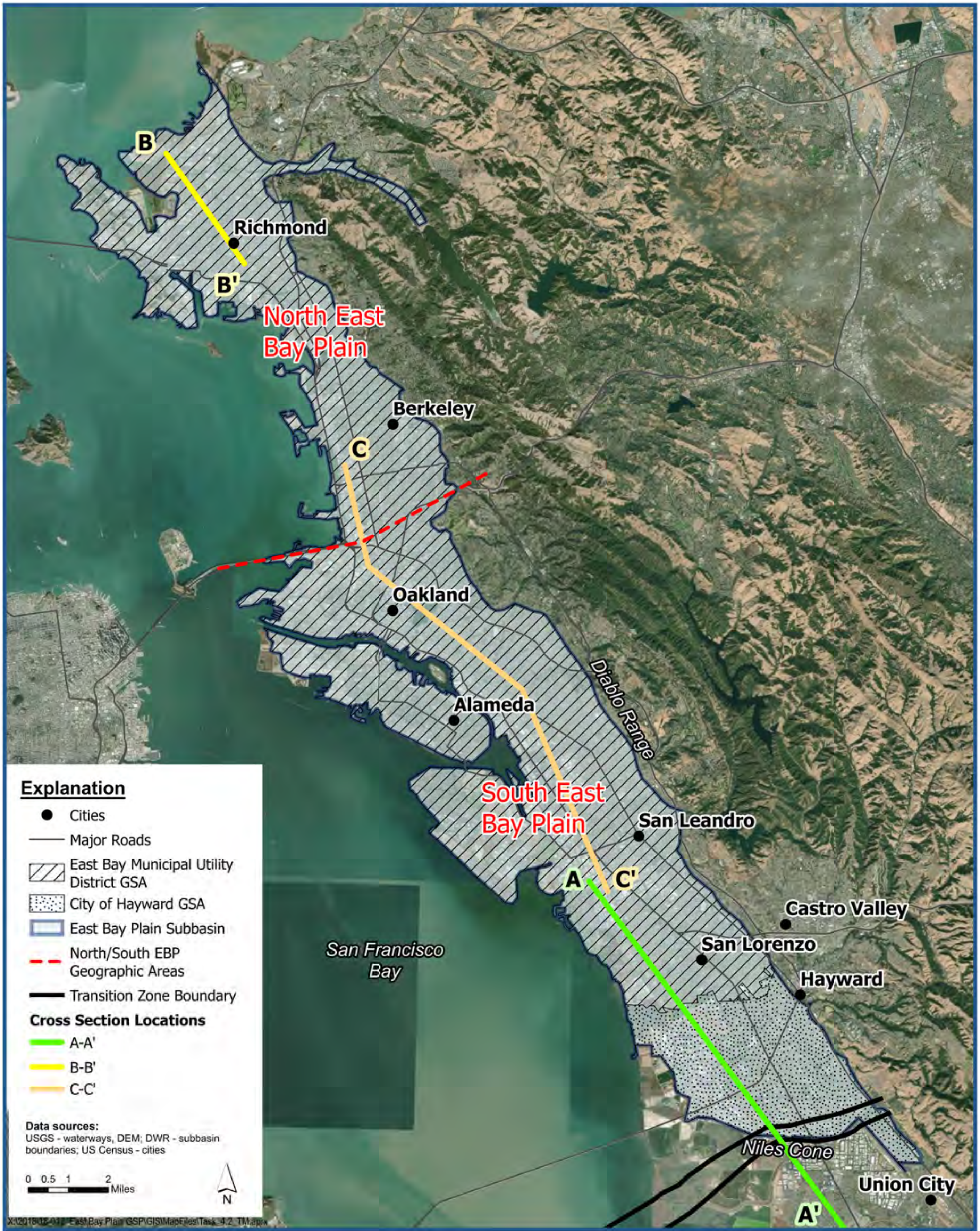
Figures



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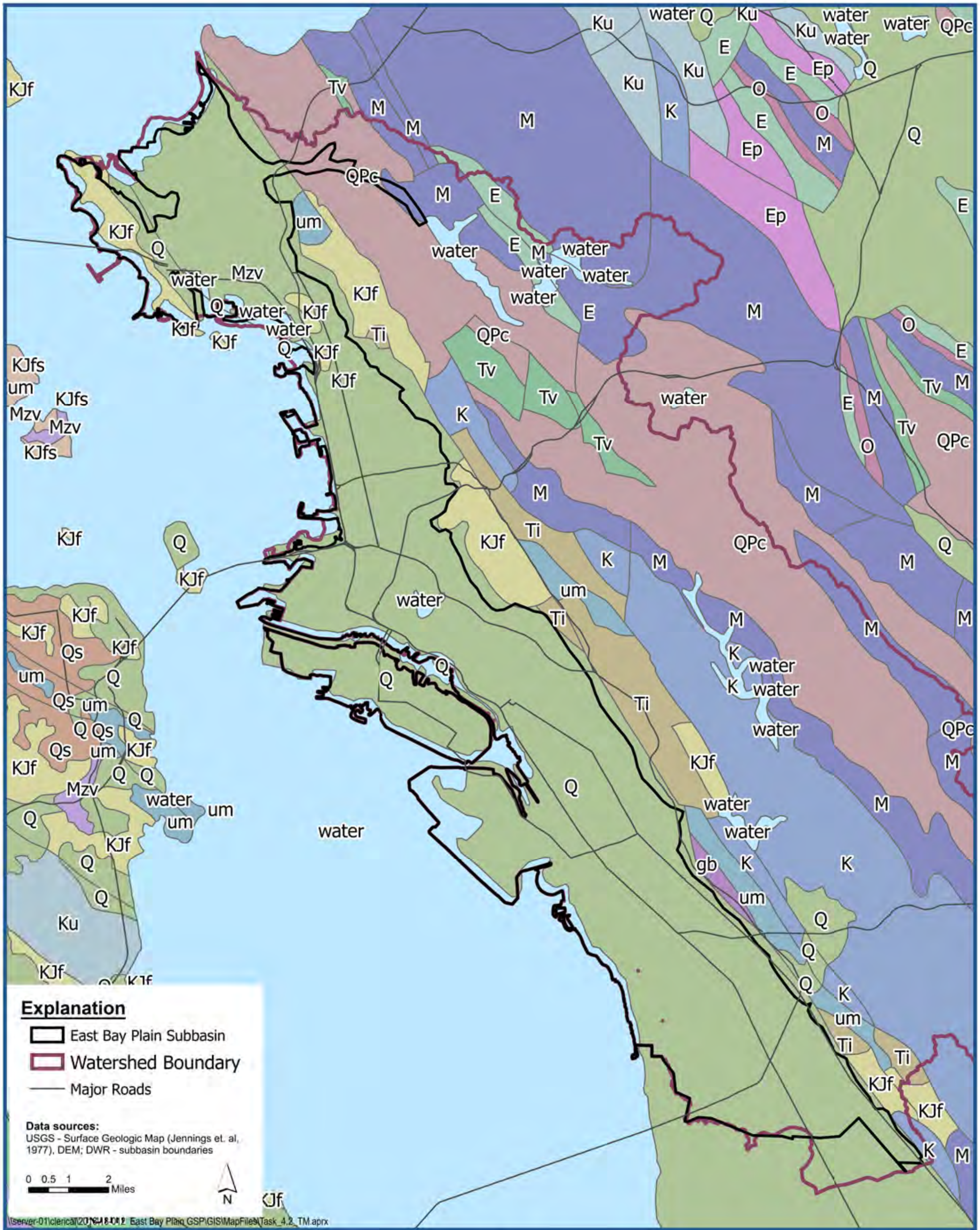
East Bay Plain Subbasin Location Map

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 1-1



Data sources:
USGS - Surface Geologic Map (Jennings et. al, 1977), DEM; DWR - subbasin boundaries

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Surface Geologic Map
USGS - Jennings et. al, 1977

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 4-1a

Explanation

🟩	E	Eocene marine rocks
🟪	Ep	Paleocene marine rocks
🟥	J	Jurassic marine rocks
🟦	K	Cretaceous marine rocks (in part nonmarine)
🟨	KJf	Franciscan Complex
🟩	KJfm	Franciscan melange
🟫	KJfs	Franciscan schist
🟪	Kl	Lower Cretaceous marine rocks
🟦	Ku	Upper Cretaceous marine rocks
🟦	M	Miocene marine rocks
🟪	Mzv	Mesozoic volcanic rocks
🟪	O	Oligocene marine rocks
🟦	P	Pliocene marine rocks
🟩	Q	Quaternary alluvium and marine deposits
🟫	QPc	Plio-Pleistocene and Pliocene loosely consolidated deposits
🟫	Qs	Quaternary sand deposits
🟫	Ti	Tertiary intrusive rocks (hypabyssal)
🟩	Tv	Tertiary volcanic flow rocks
🟪	Tvp	Tertiary pyroclastic and volcanic mudflow deposits
🟪	gb	Mesozoic gabbroic rocks
🟦	grMz	Mesozoic granitic rocks
🟦	um	Ultramafic rocks, chiefly Mesozoic
🟦	Water	

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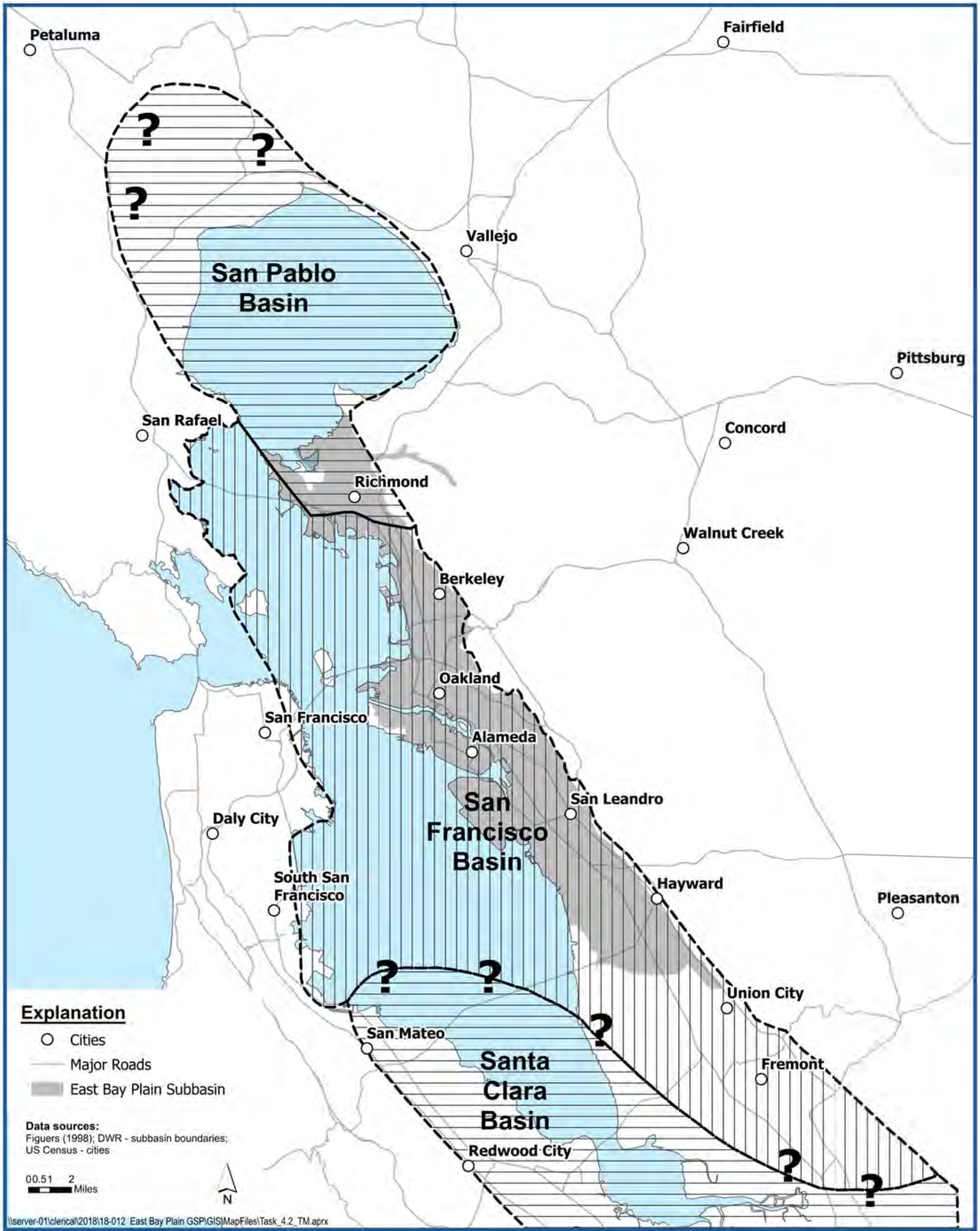
Surface Geologic Map - Legend
USGS - Jennings et. al, 1977

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 4-1b



Data sources:
Figuers (1998); DWR - subbasin boundaries;
US Census - cities

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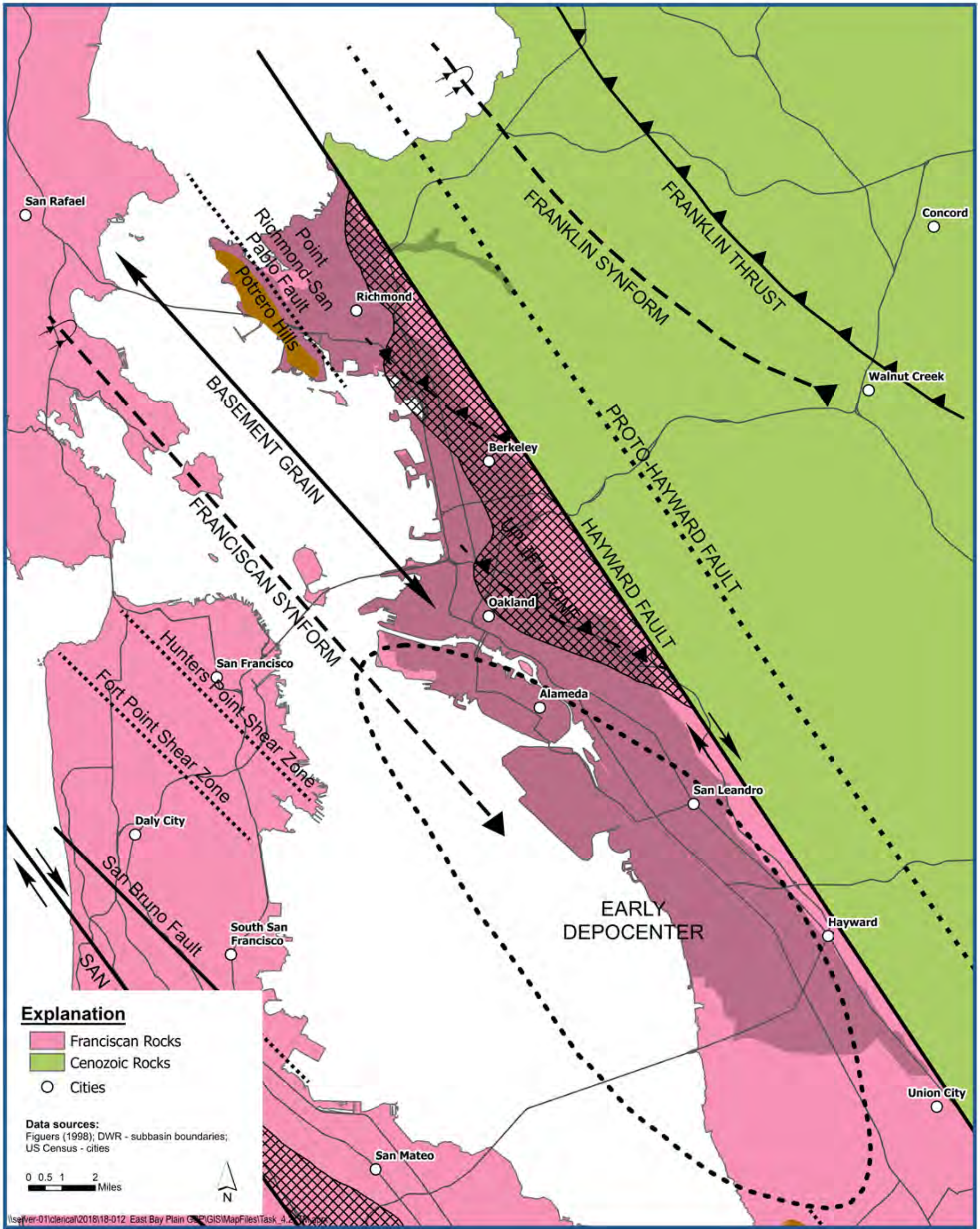
LSCE TEAM

Geologic Basins in San Francisco Bay Area

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 4-2



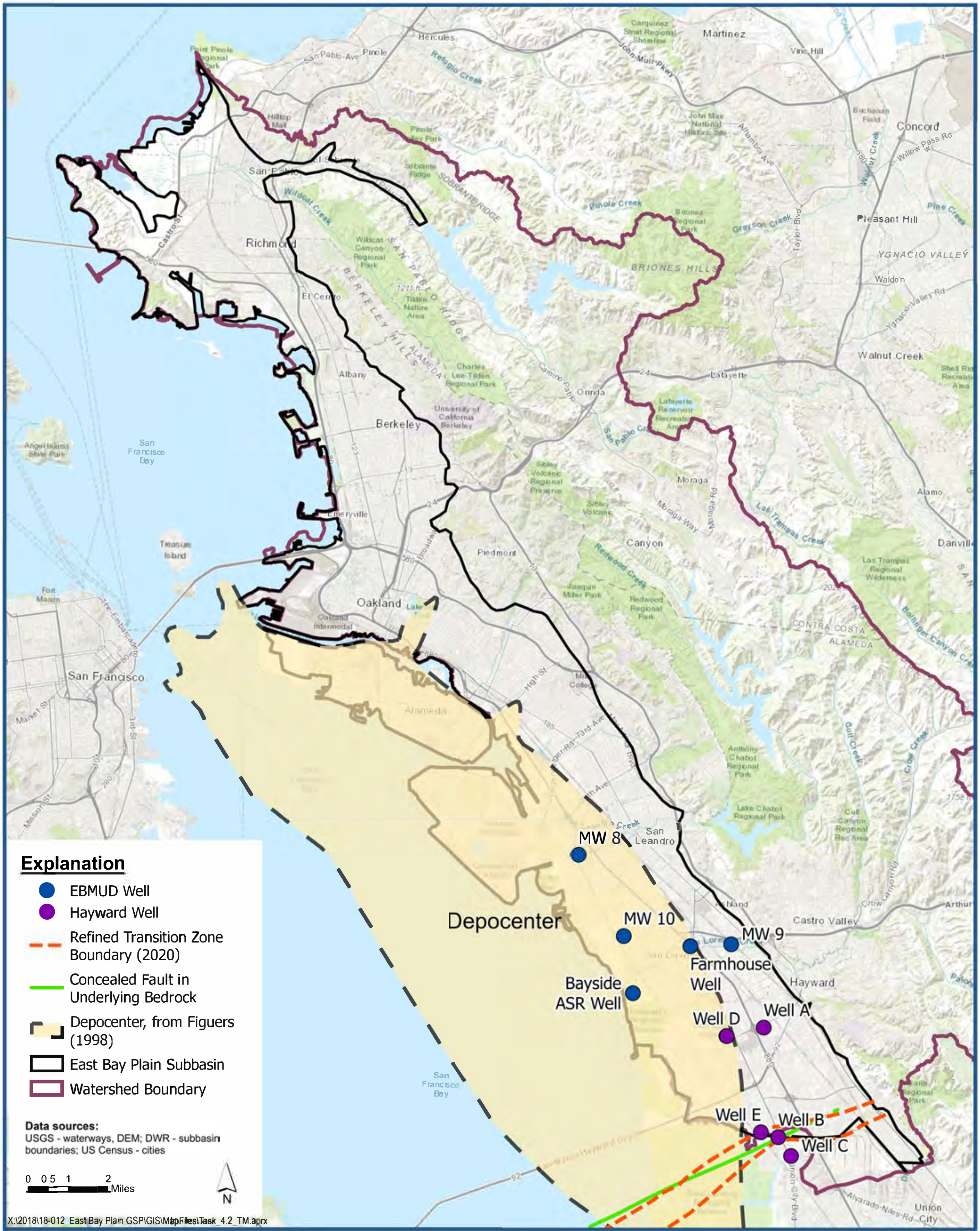
Data sources:
Figuers (1998); DWR - subbasin boundaries;
US Census - cities

LSCE TEAM

Structural Geology of the San Francisco Bay Area

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 4-3



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

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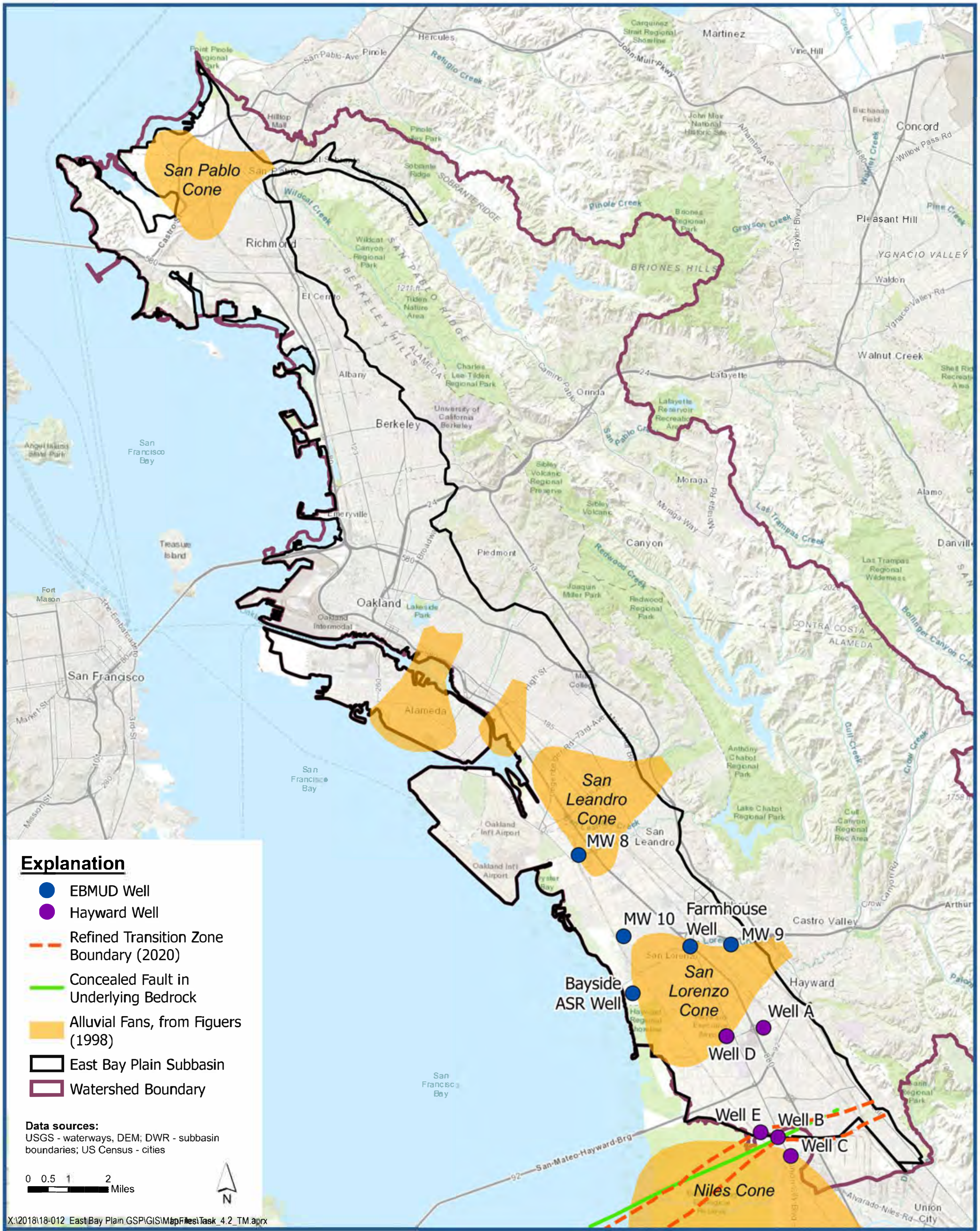
LSCE TEAM

Depositional Environment - Santa Clara Time

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 4-4



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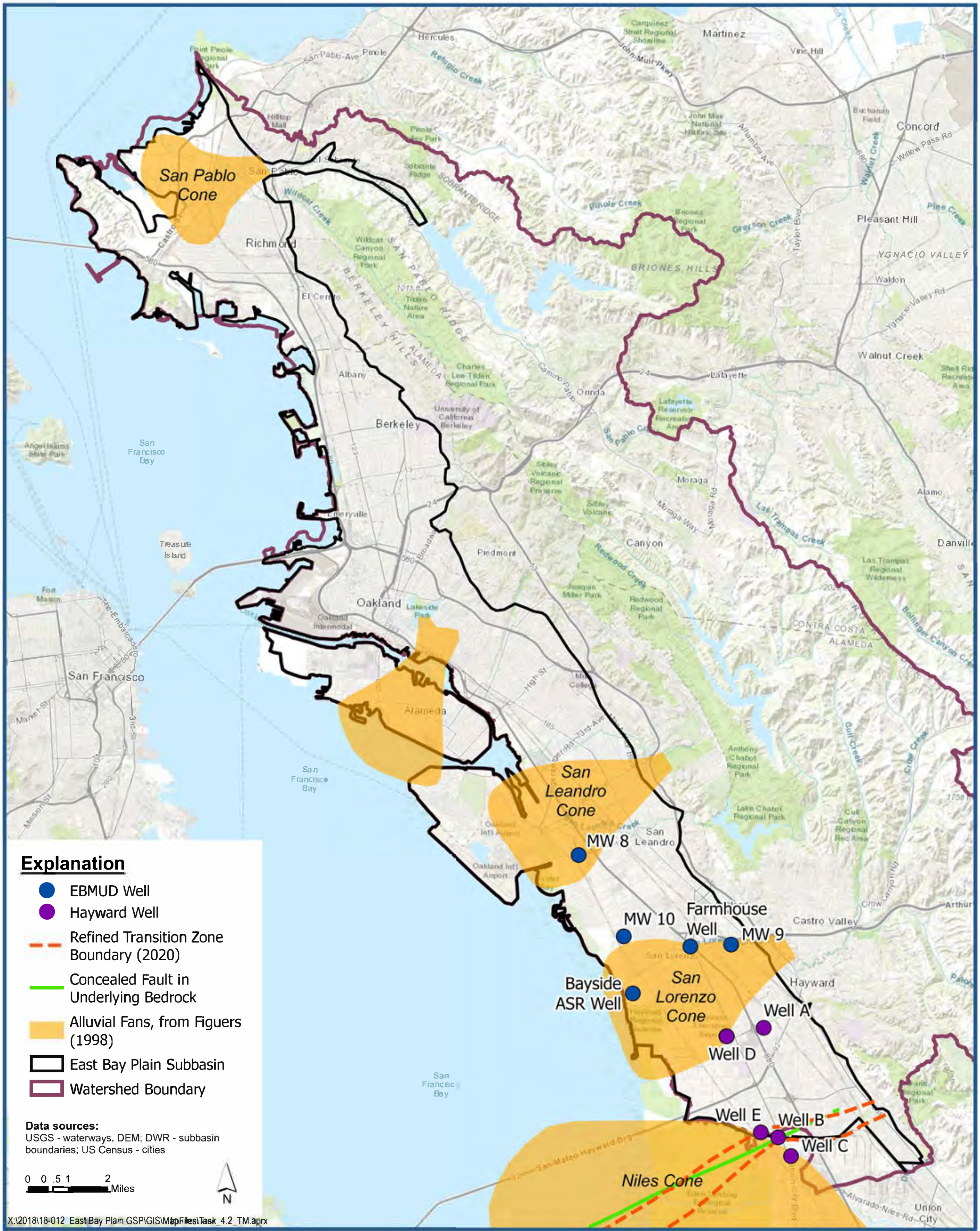
Depositional Environment - Alameda Formation Marine

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 4-5



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

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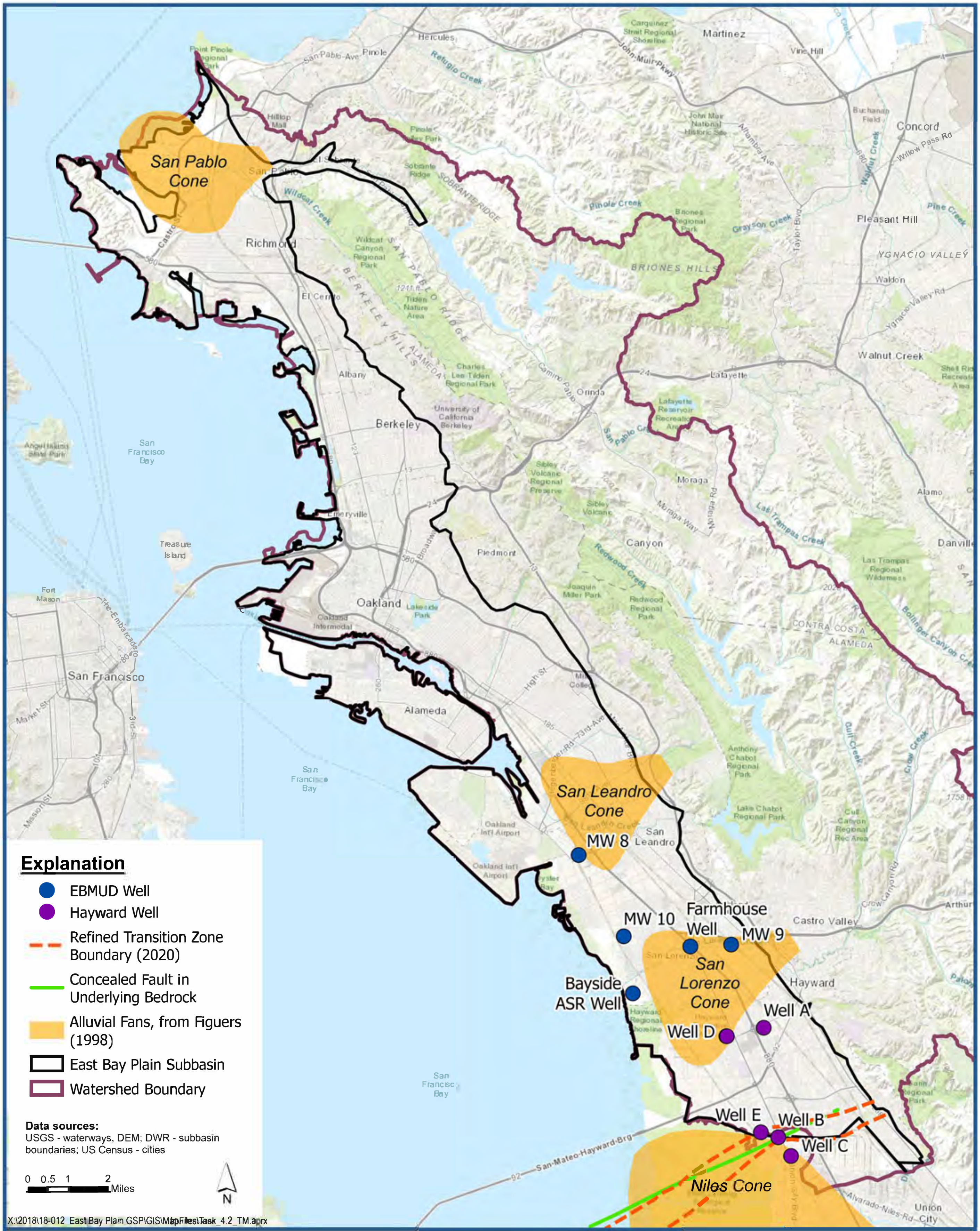
Depositional Environment - Alameda Formation Continental

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 4-6



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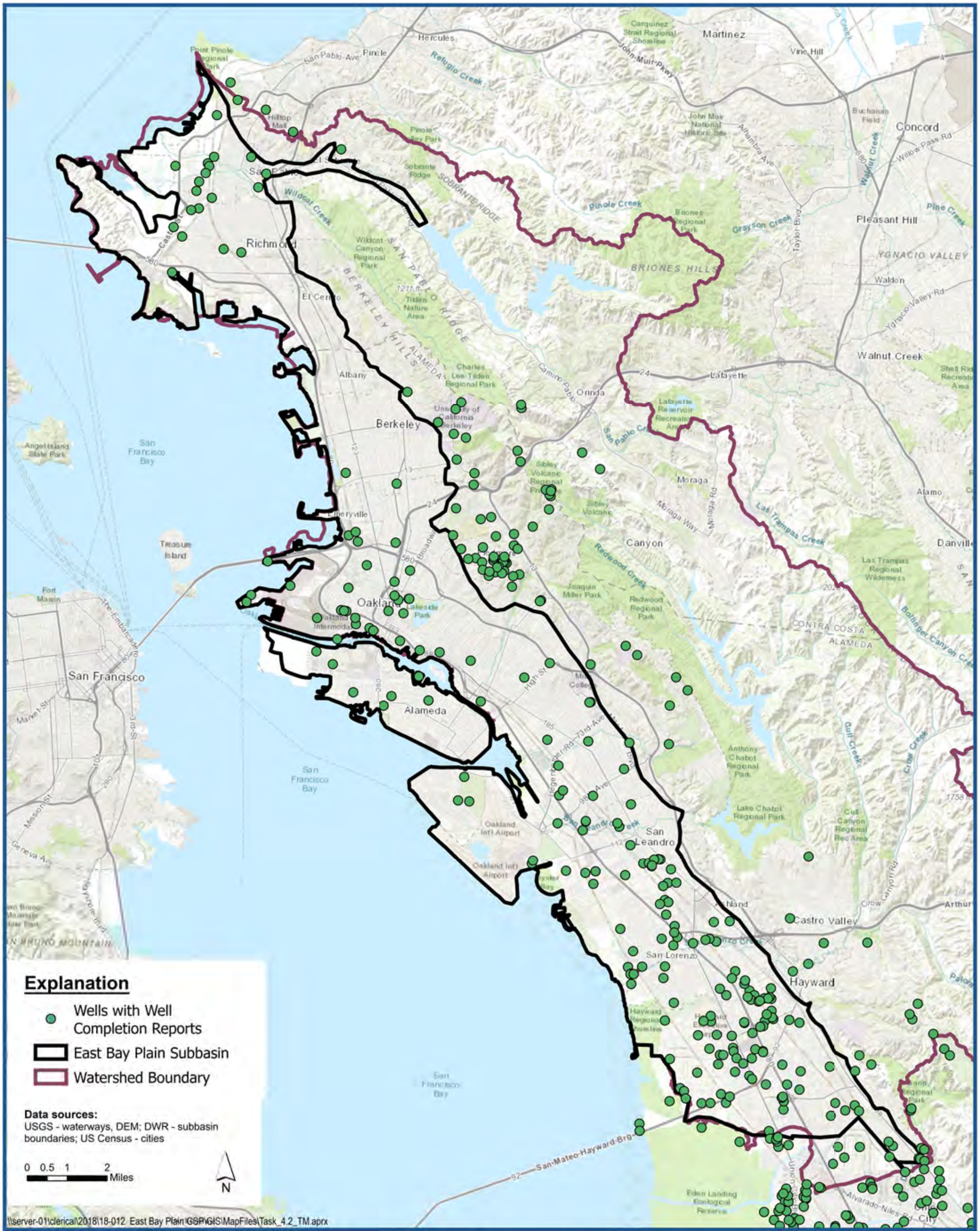
Depositional Environment - Present Day

East Bay Plain Subbasin
Groundwater Sustainability Plan

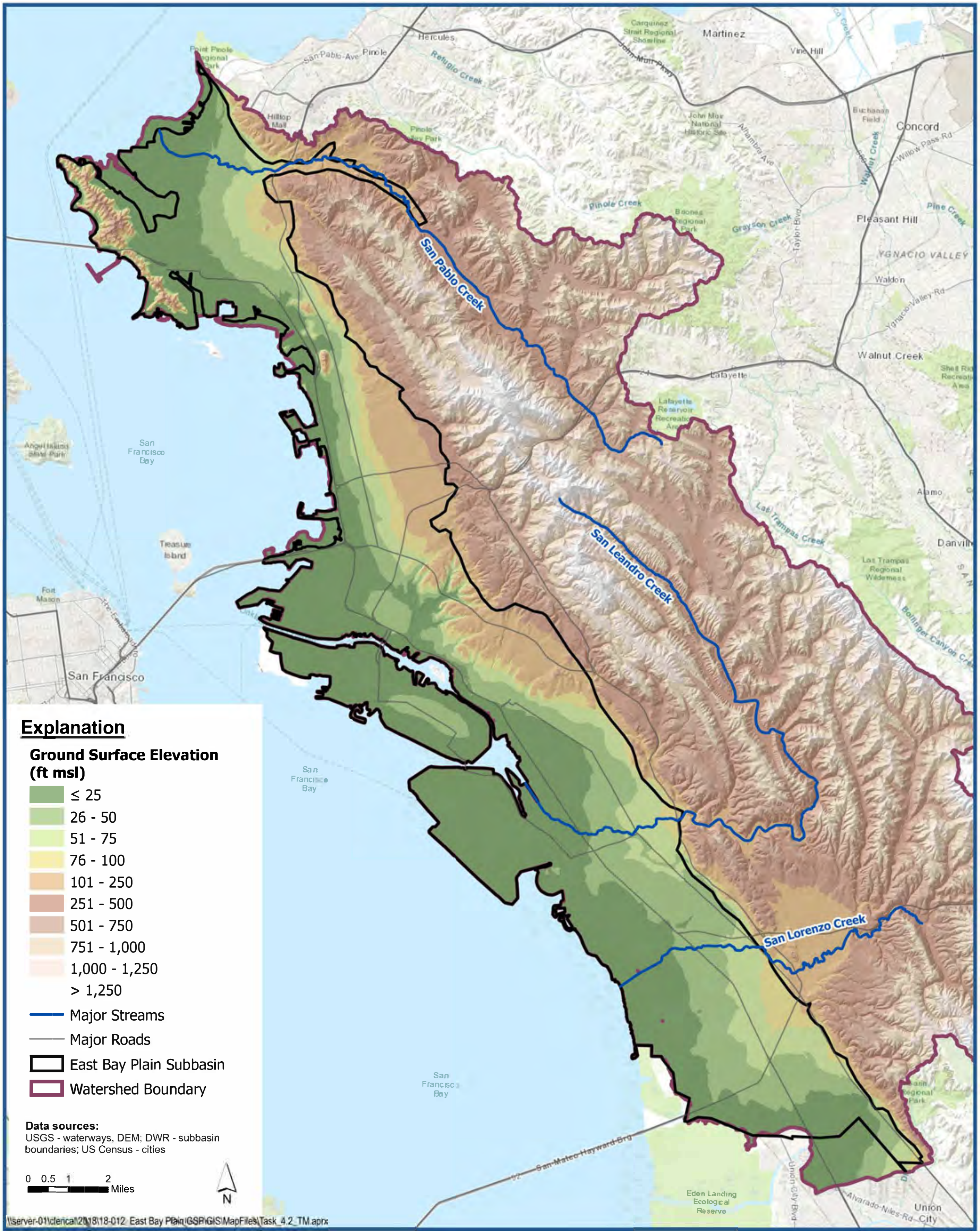
Figure 4-7



Wells with Well Completion Reports Equal or Deeper than 200 feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 4-8



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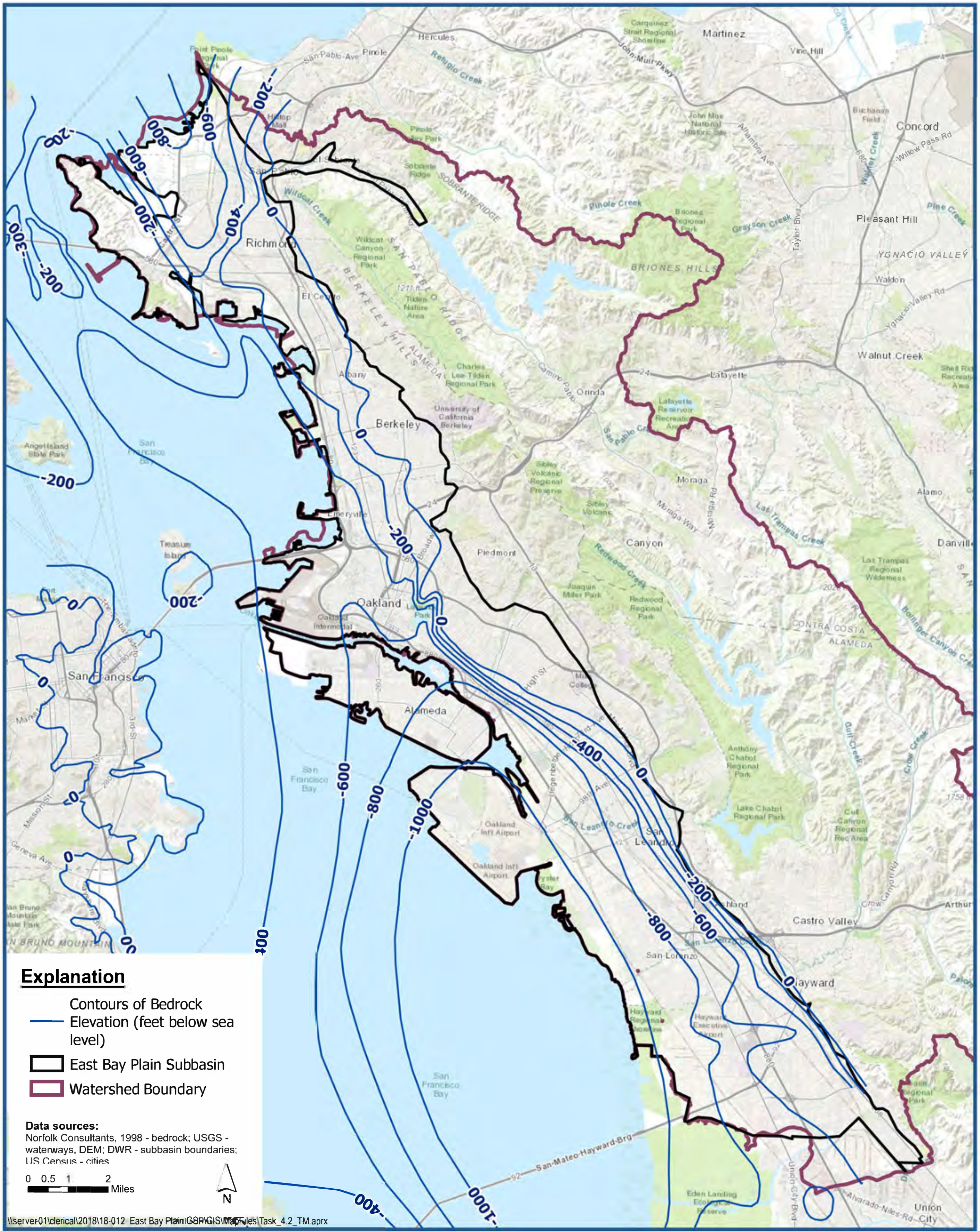
Topography of East Bay Plain Subbasin and Surrounding Watershed

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 4-9



Data sources: Norfolk Consultants, 1998 - bedrock; USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

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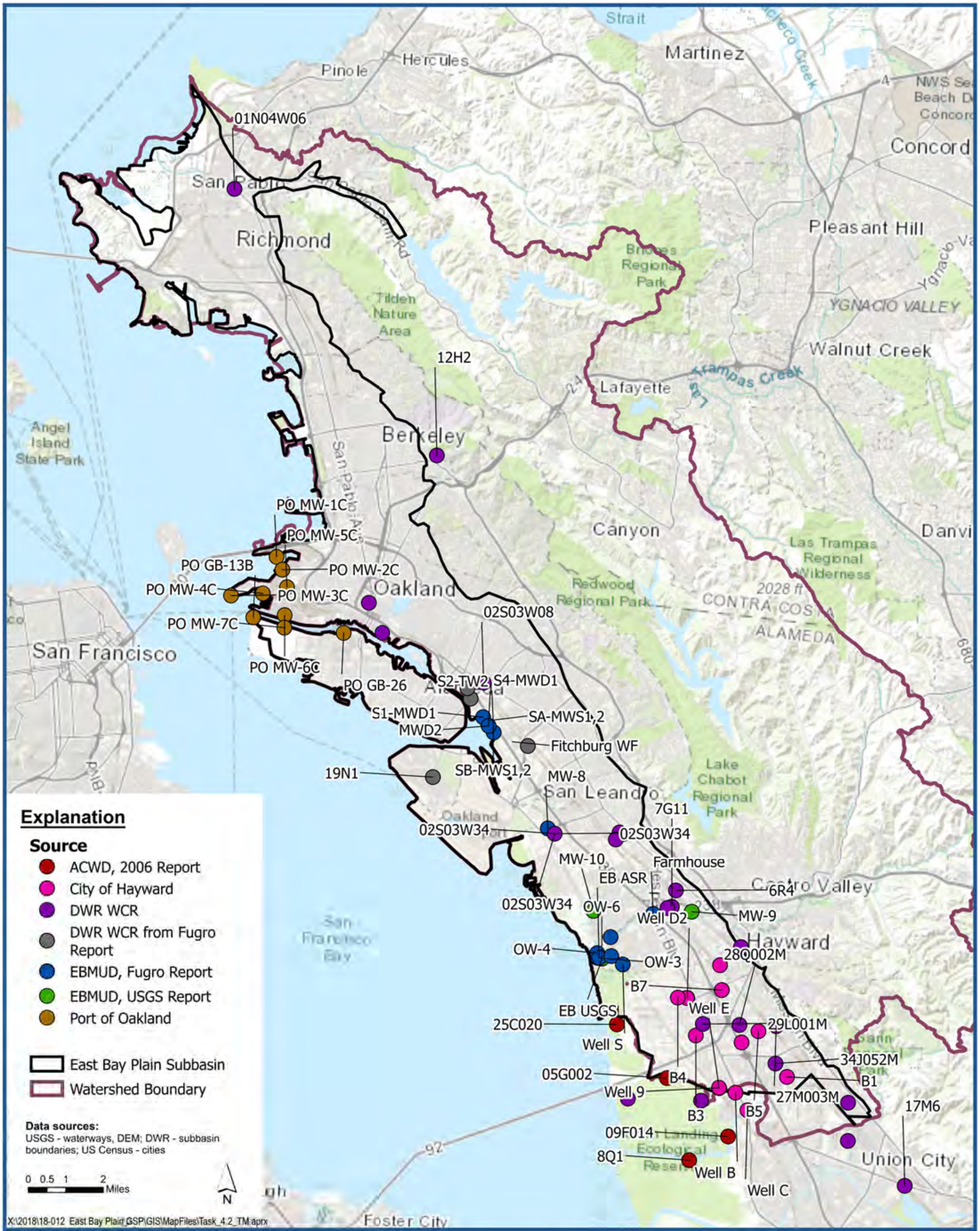
Map of Bedrock Elevation in East Bay Plain Subbasin

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 4-10



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Wells/Boreholes with Geophysical Logs

East Bay Plain Subbasin
Groundwater Sustainability Plan

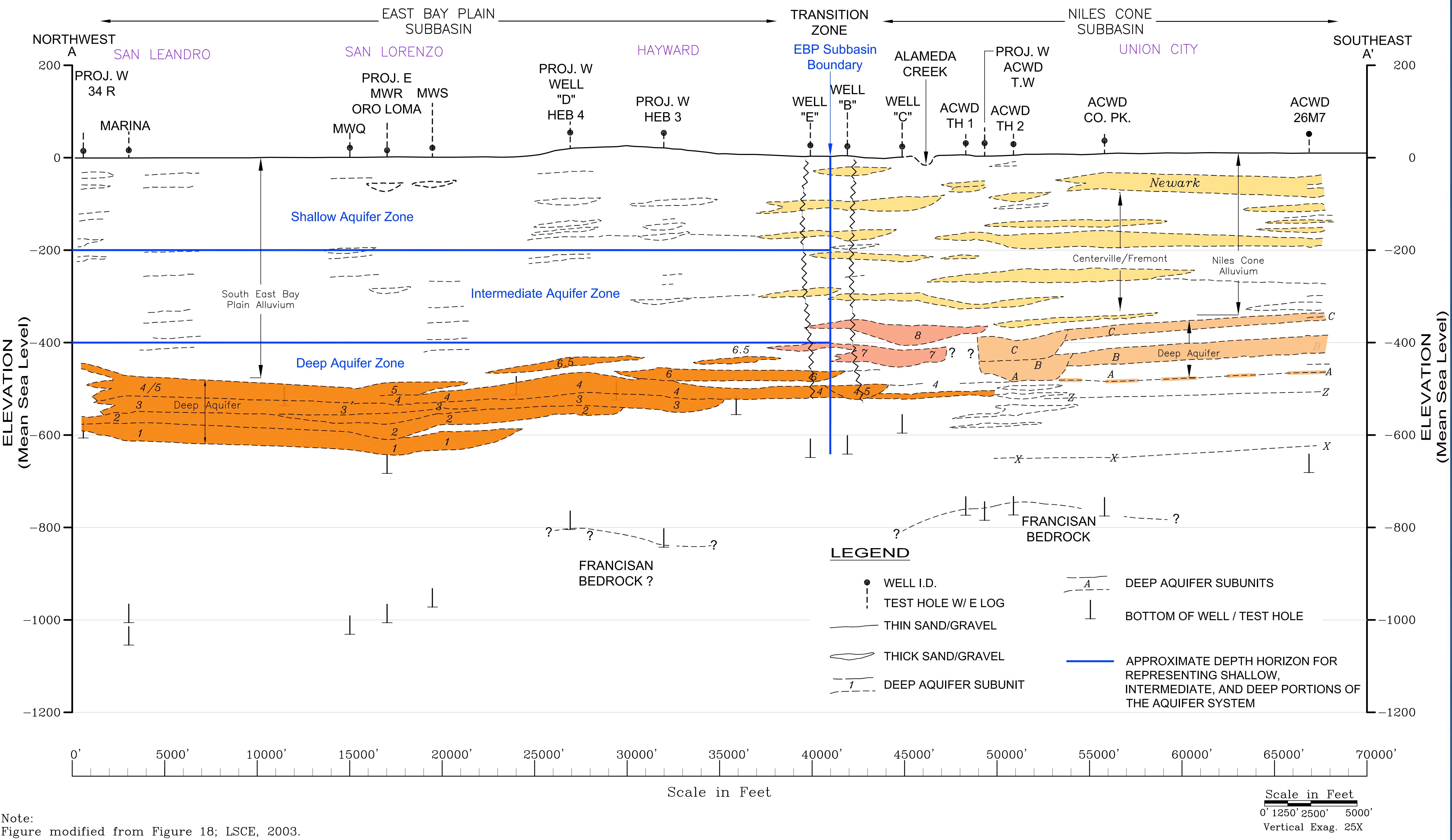
Figure 4-11

LSCE TEAM

Generalized Extent of Deep Aquifer

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 4-12



Note:
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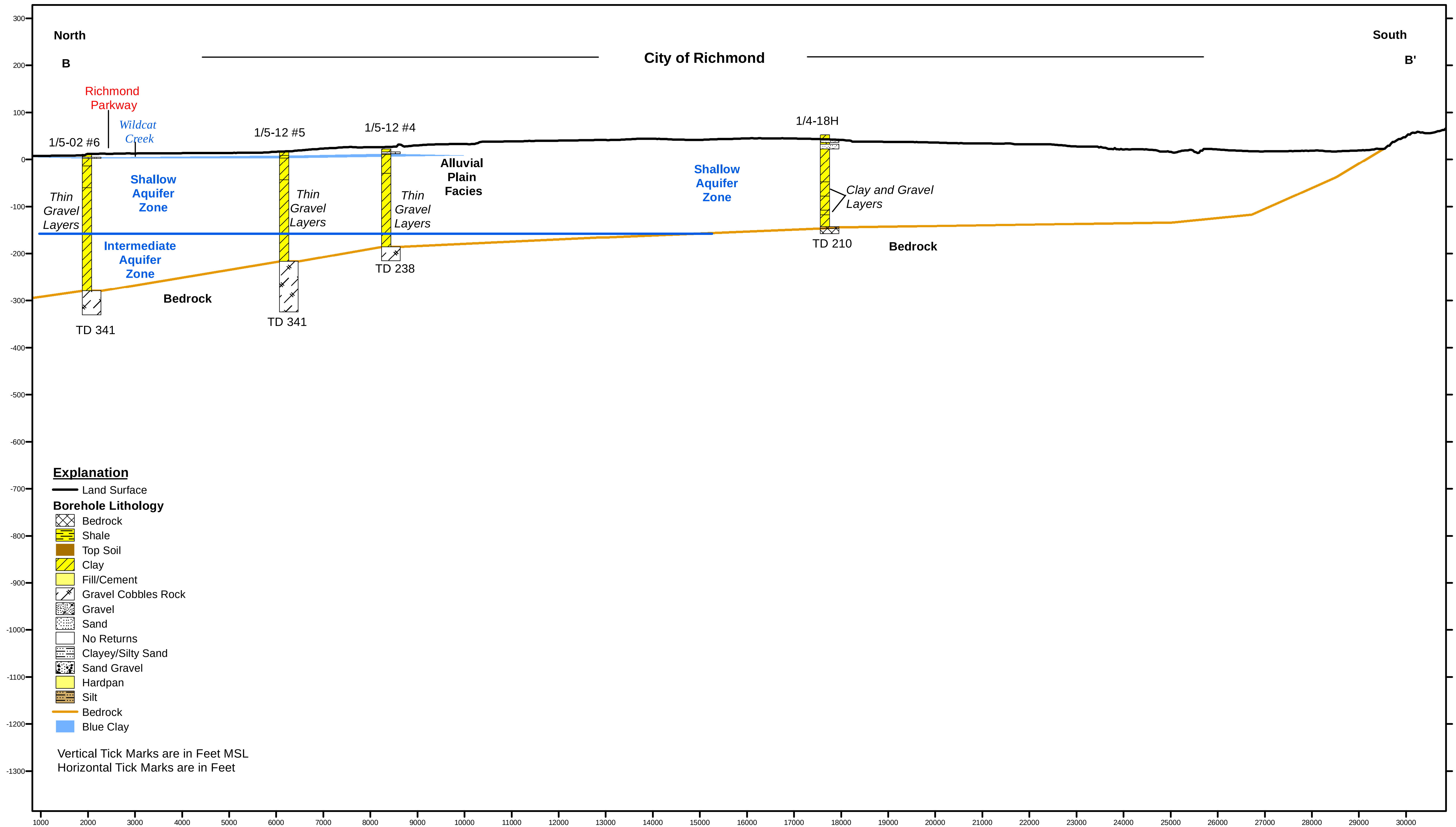
LSCE TEAM

Geologic Cross Section A-A' of Southern East Bay Plain

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 4-13

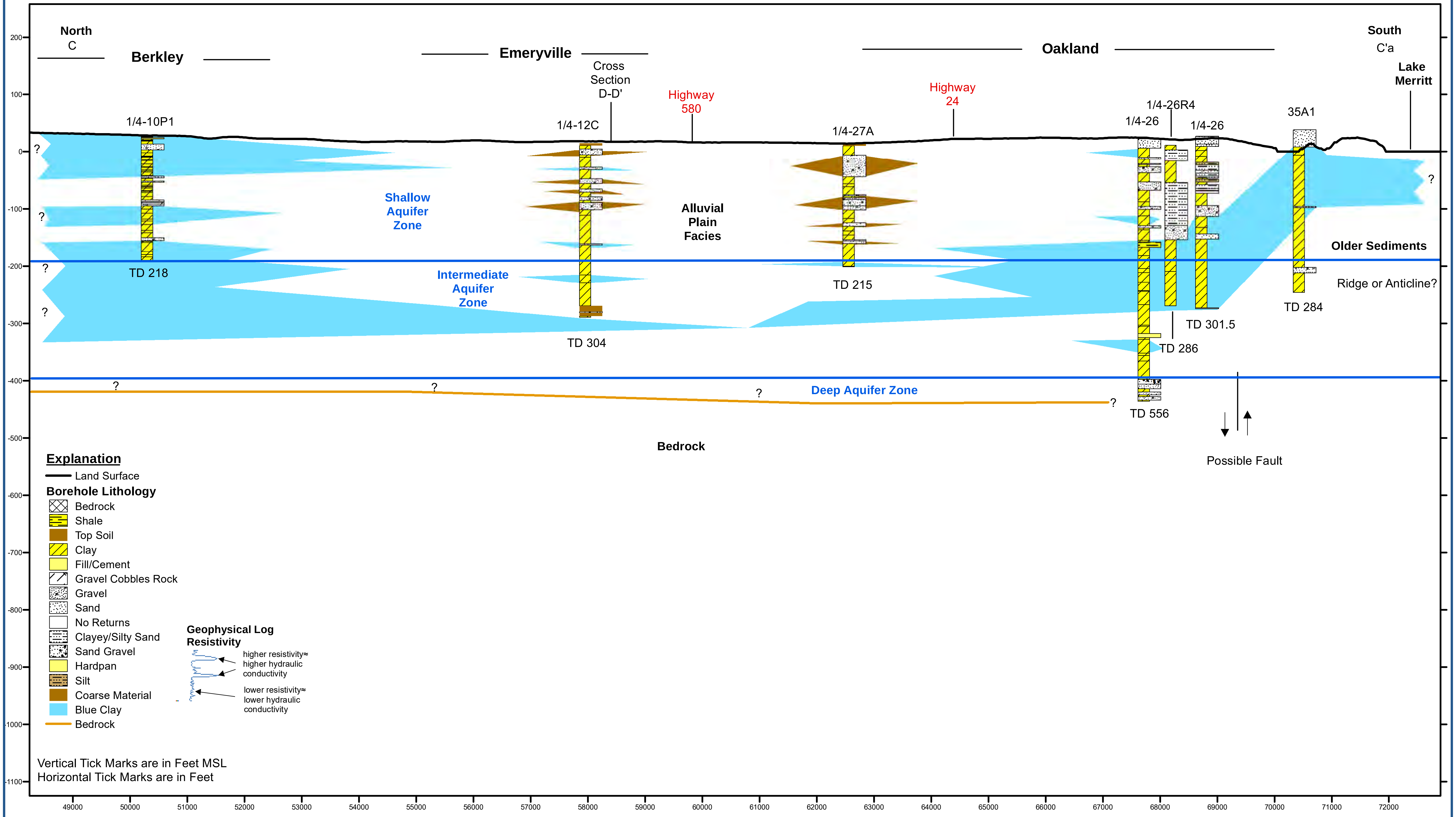


Luhdorff & Scalmanini
Consulting Engineers

Geologic Cross Section B-B'

East Bay Plain Subbasin
Groundwater Sustainability Plan

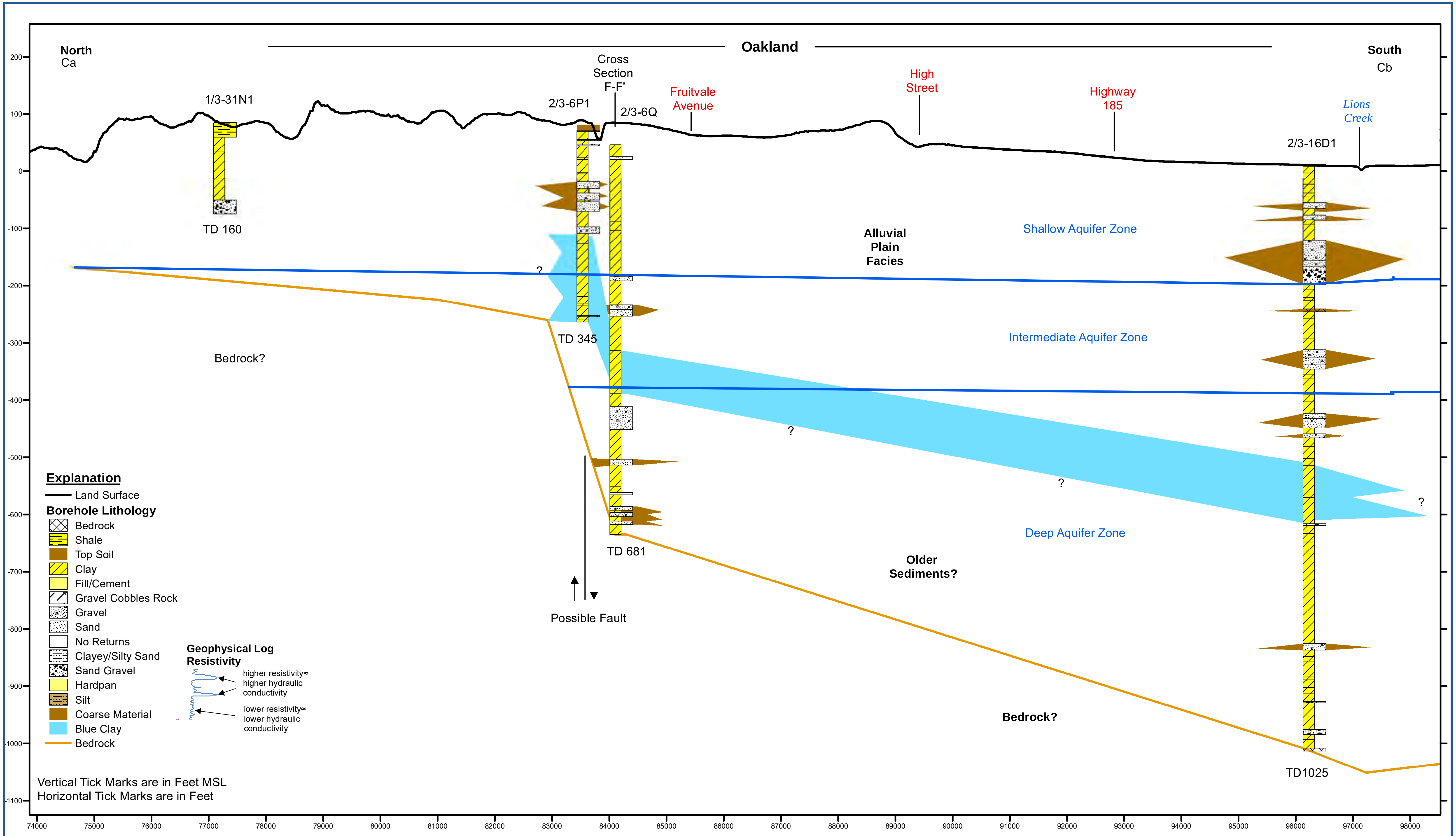
Figure 4-14



Geological Cross Section C-C'a

East Bay Subbasin
Groundwater Sustainability Plan

Figure 4-15a



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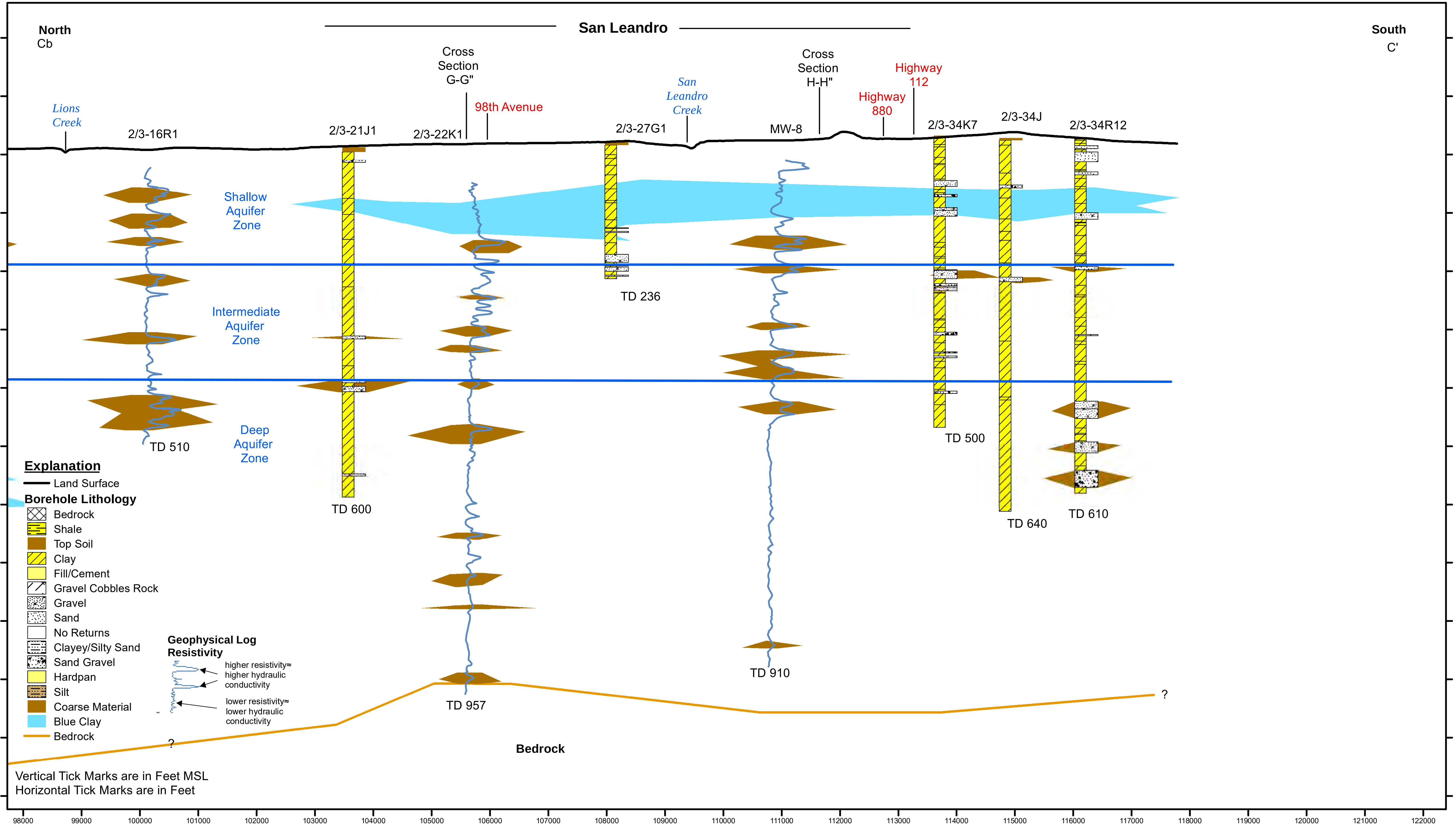
Geological Cross Section C-C'b

East Bay Subbasin
Groundwater Sustainability Plan

Figure 4-15b



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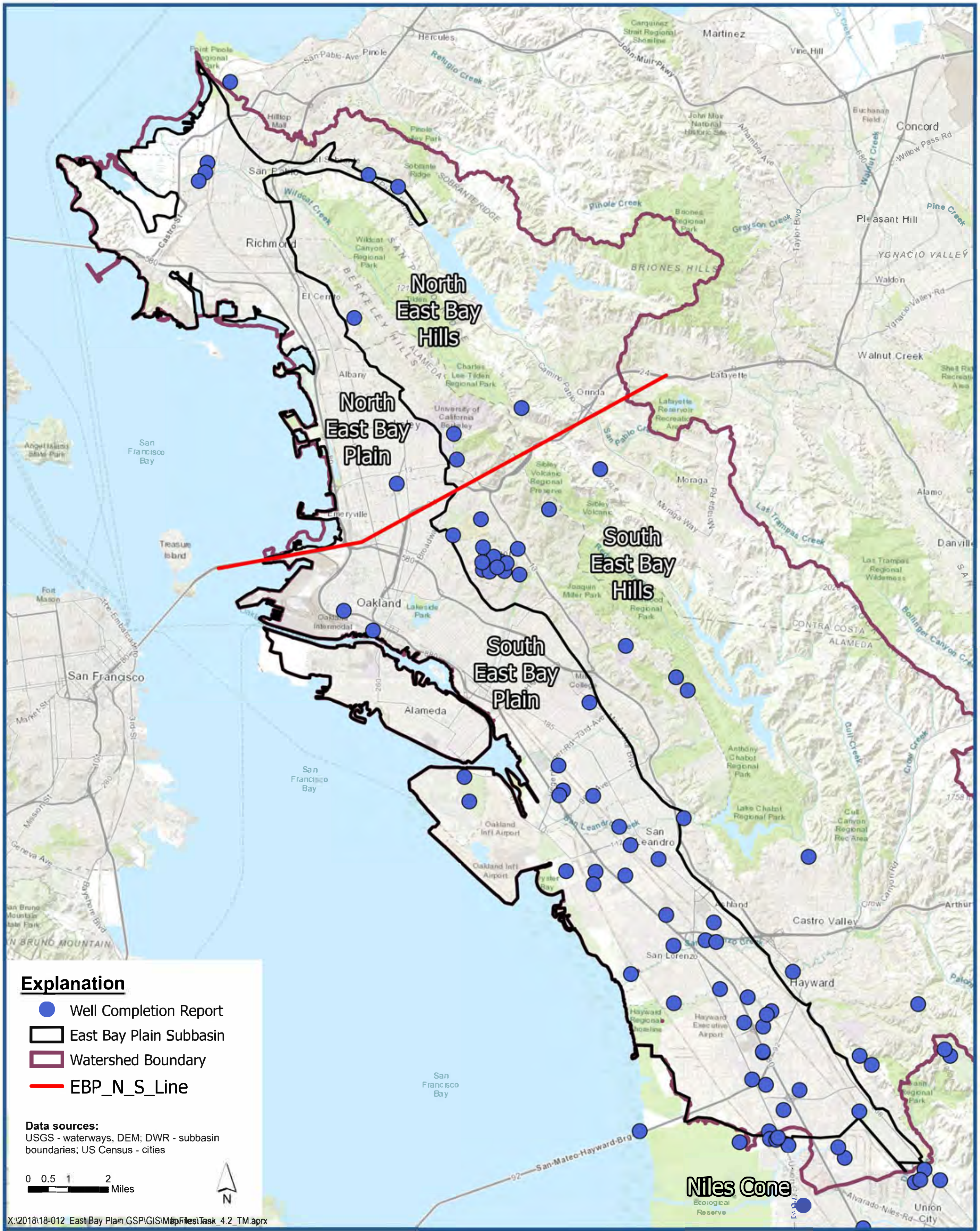
Geological Cross Section C-C'c

East Bay Subbasin
Groundwater Sustainability Plan

Figure 4-15c

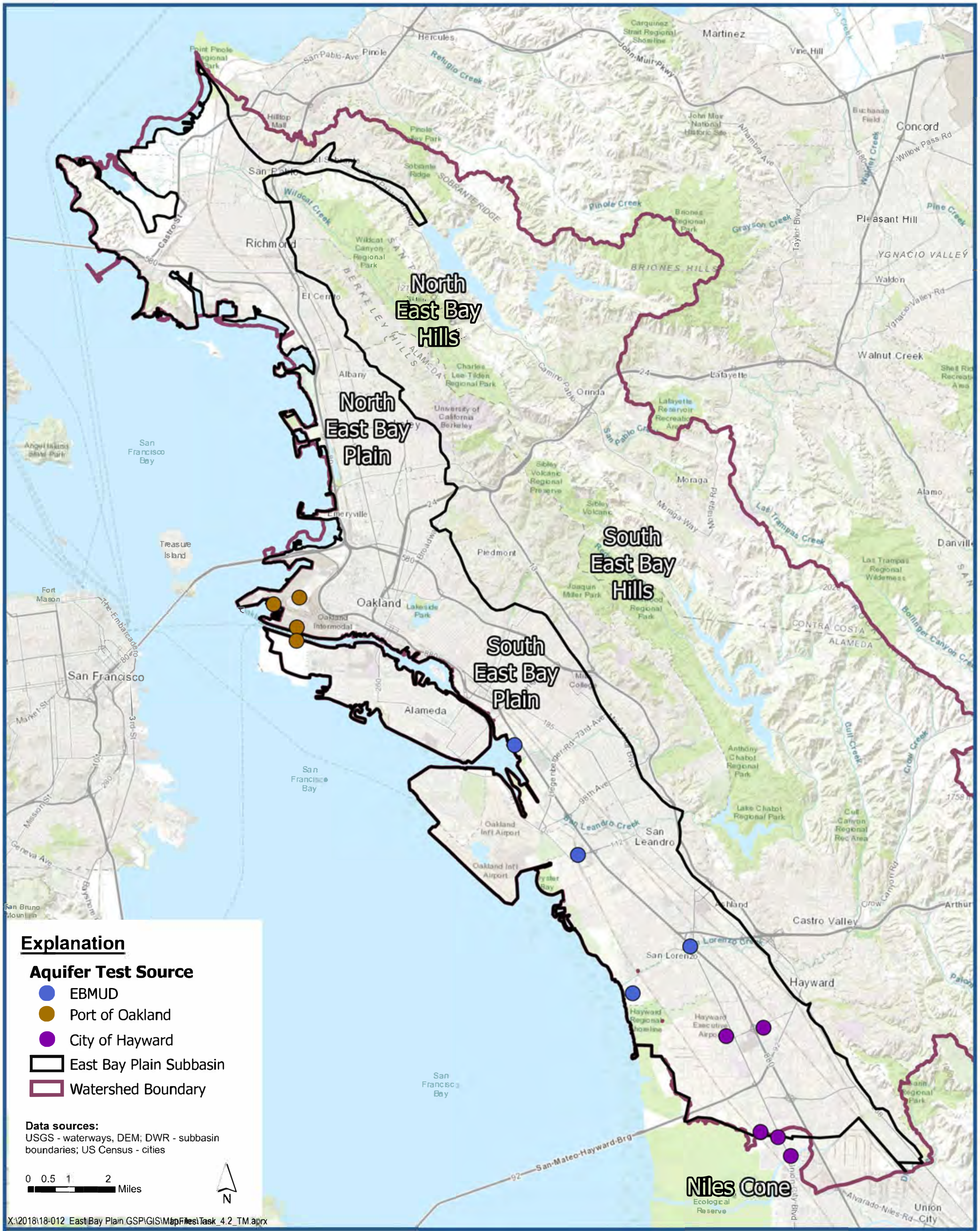


LSCE TEAM

Well Completion Reports with Specific Capacity Data

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 4-16



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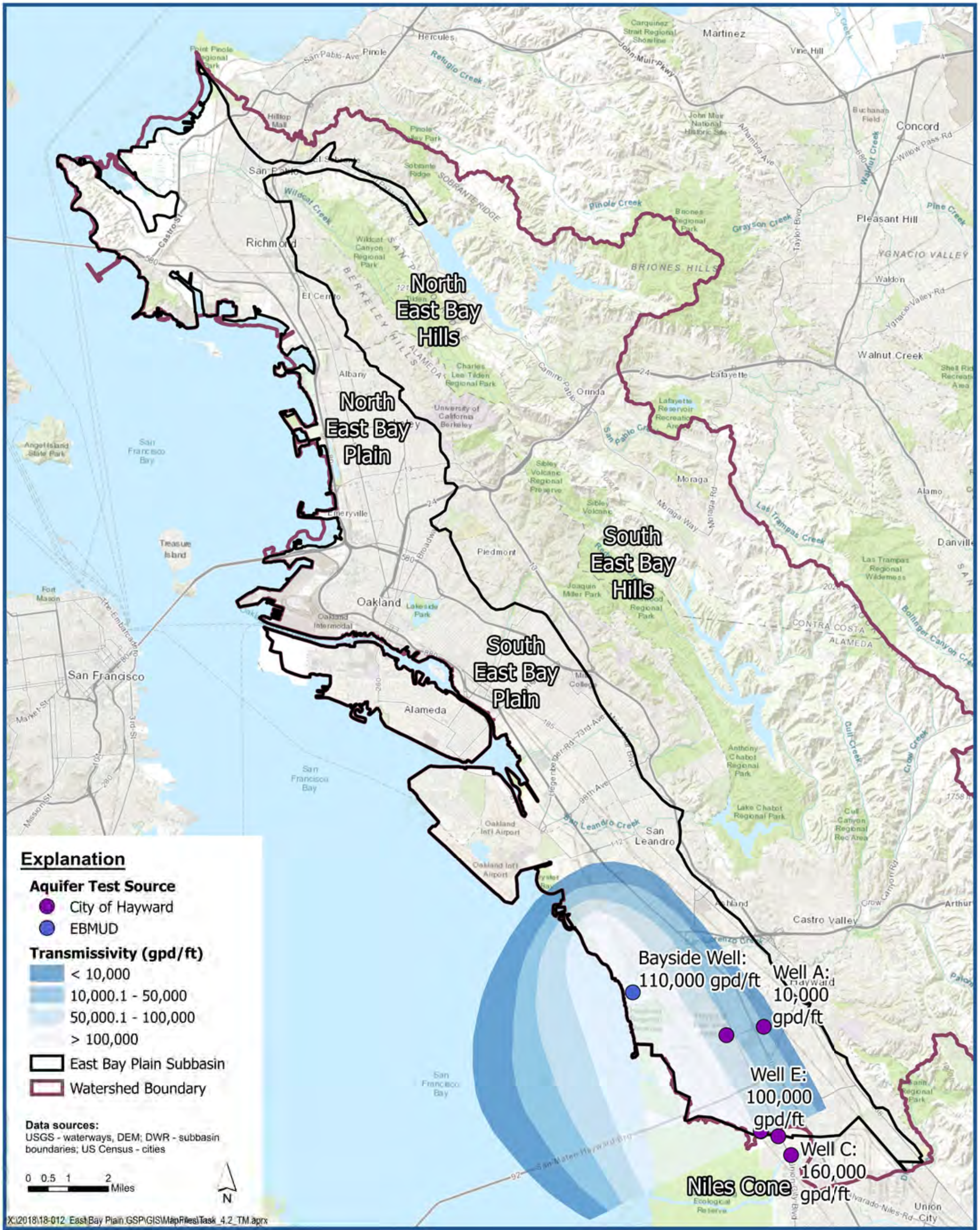
Wells with Aquifer Test Data

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 4-17



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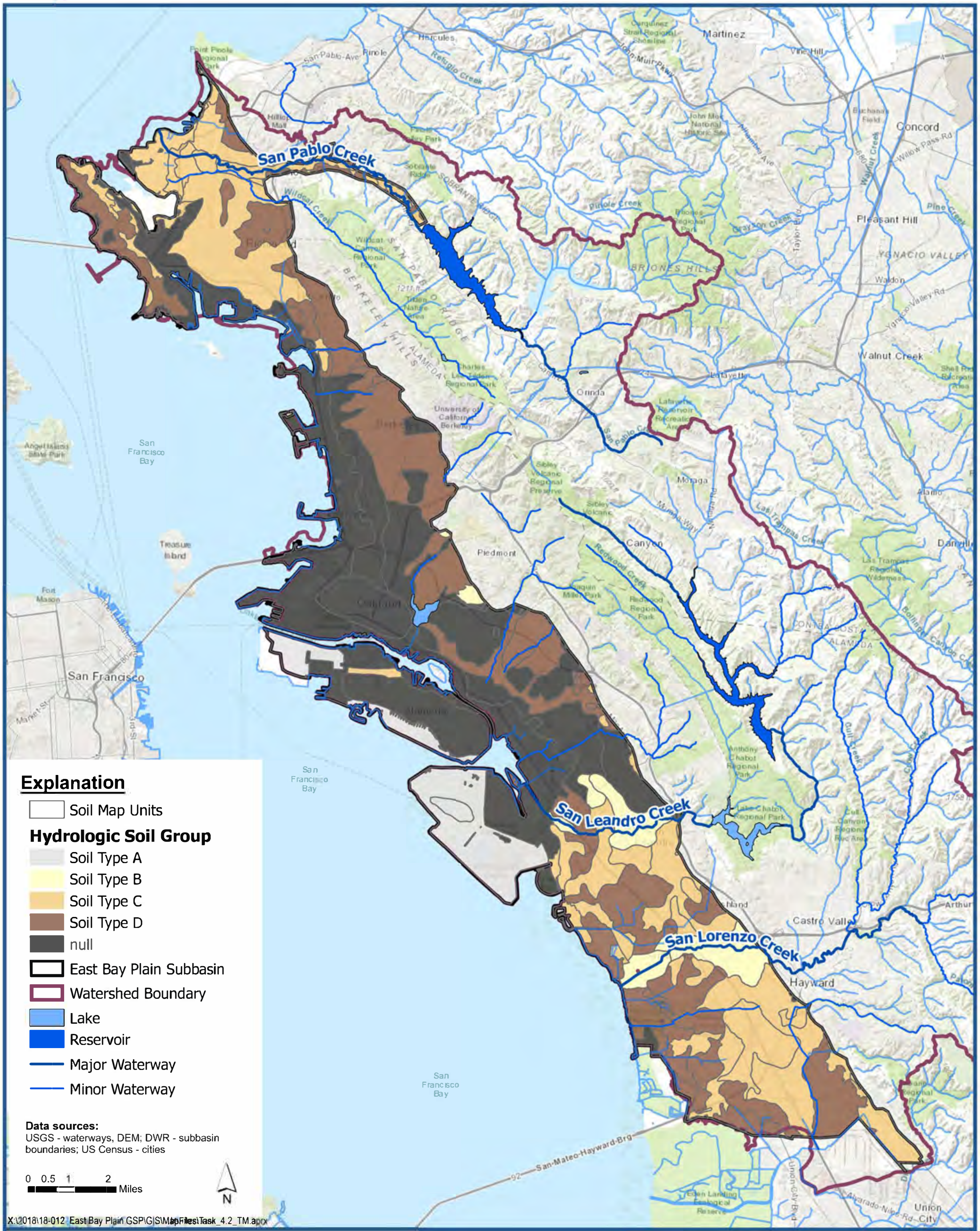
Distribution of Transmissivity Values in Deep Aquifer

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 4-18



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

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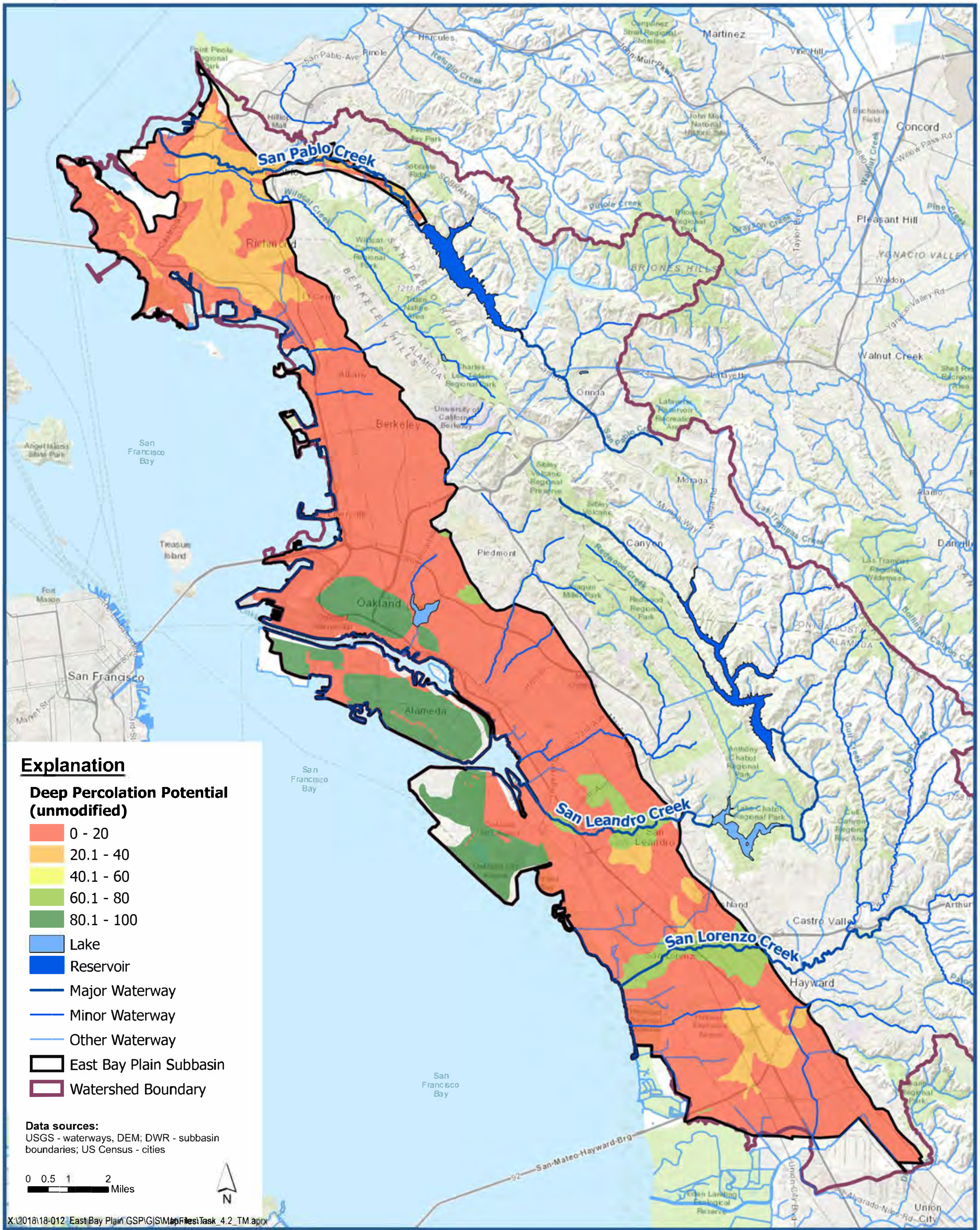
Mapping of the Distribution of Hydrologic Soils Groups

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 4-19

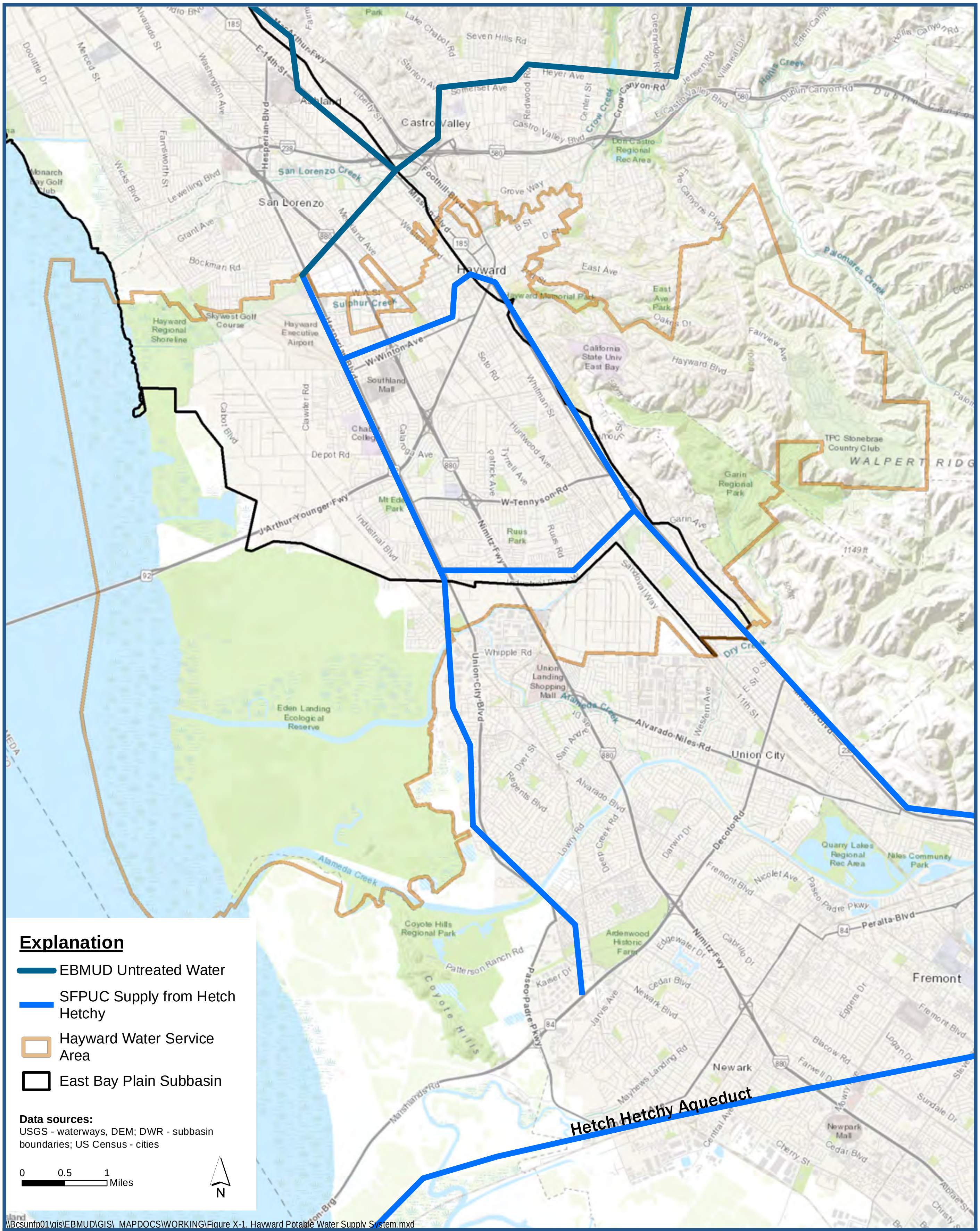


SAGBI Deep Percolation Potential

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 4-20

LSCE TEAM

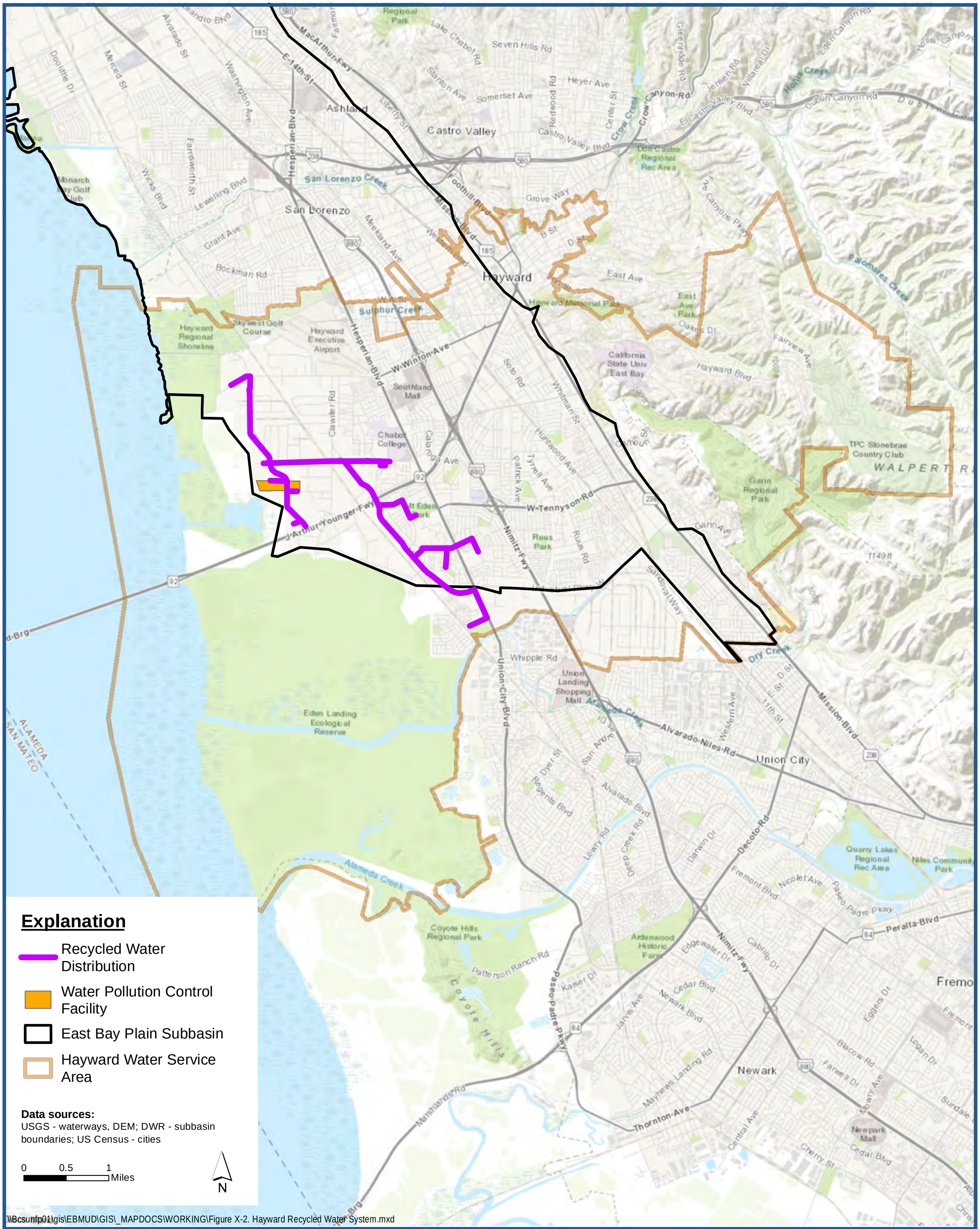


LSCE TEAM

Hayward Water Potable Supply System

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 4-21



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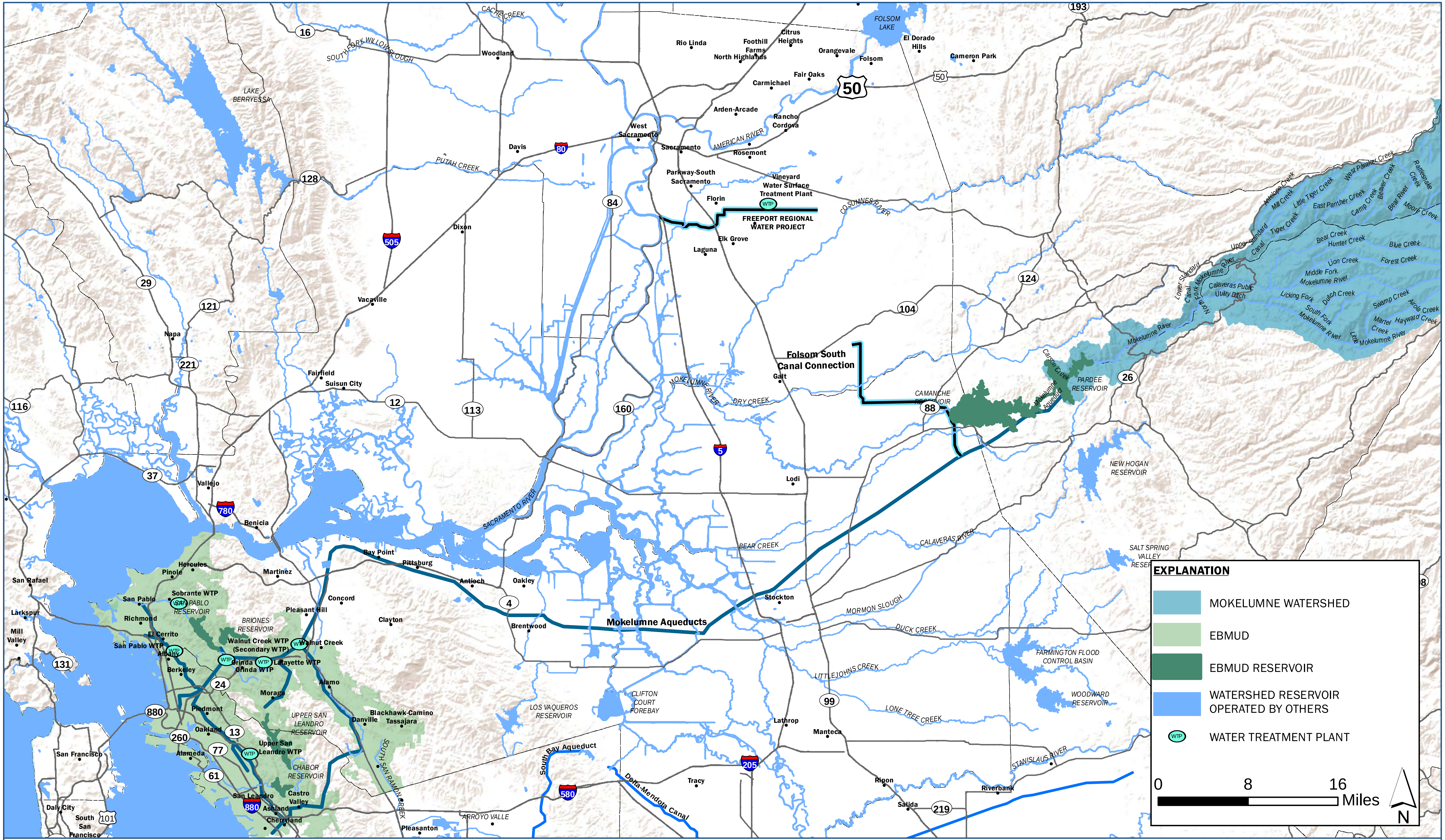
LSCE TEAM

Hayward Recycled Water Project Phase 1

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 4-22



EBMUD WATER SUPPLY SYSTEM

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 4-23

LSCE TEAM

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Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries;
US Census - cities

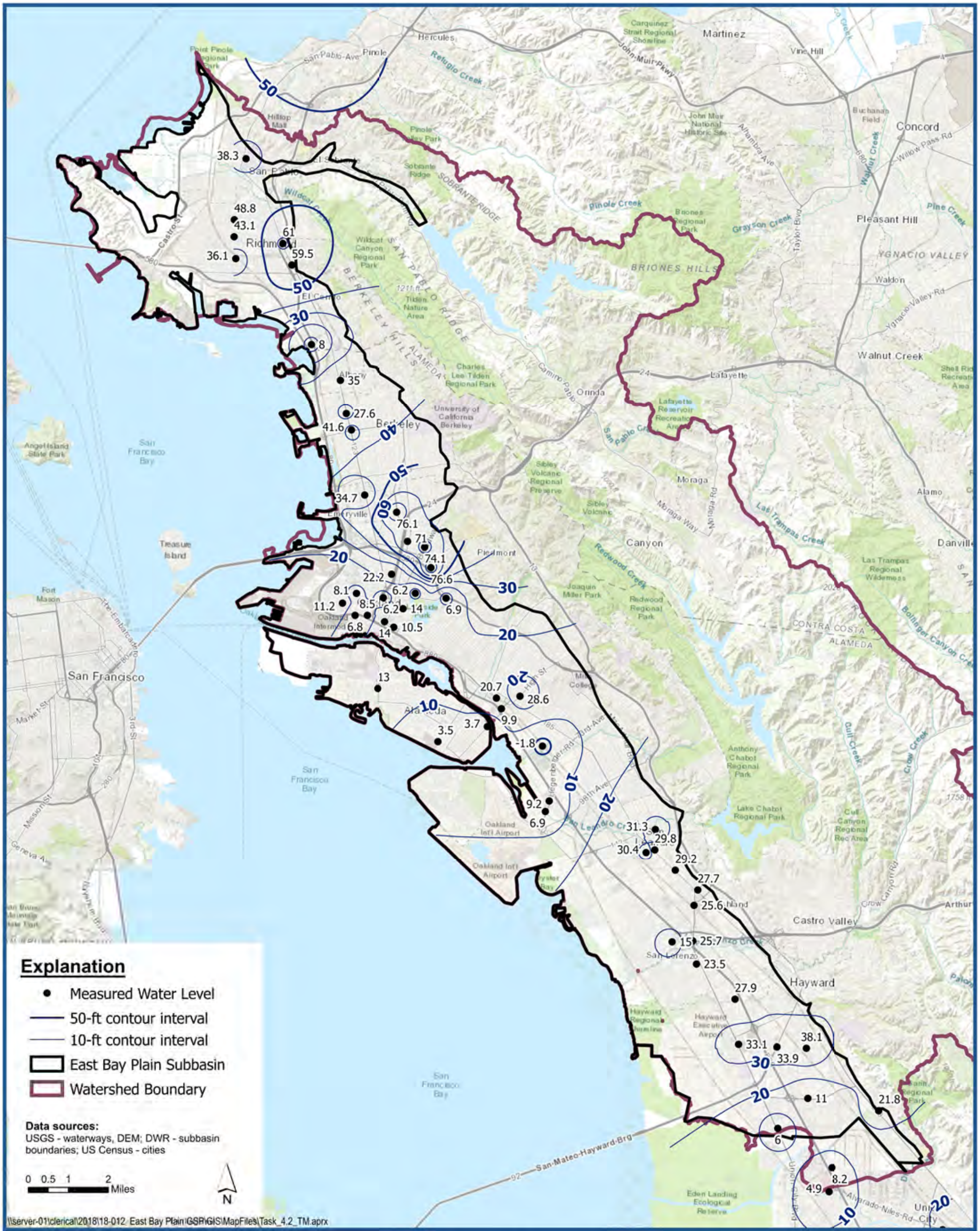
\\Bcsunfp01\gis\EBMUD\GIS_MAPDOCS\WORKING\Figure X-4. Recycled and Non-Potable Water Projects wel.mxd

LSCE TEAM

EBMUD Recycled and Non-Potable Water Projects

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 4-24

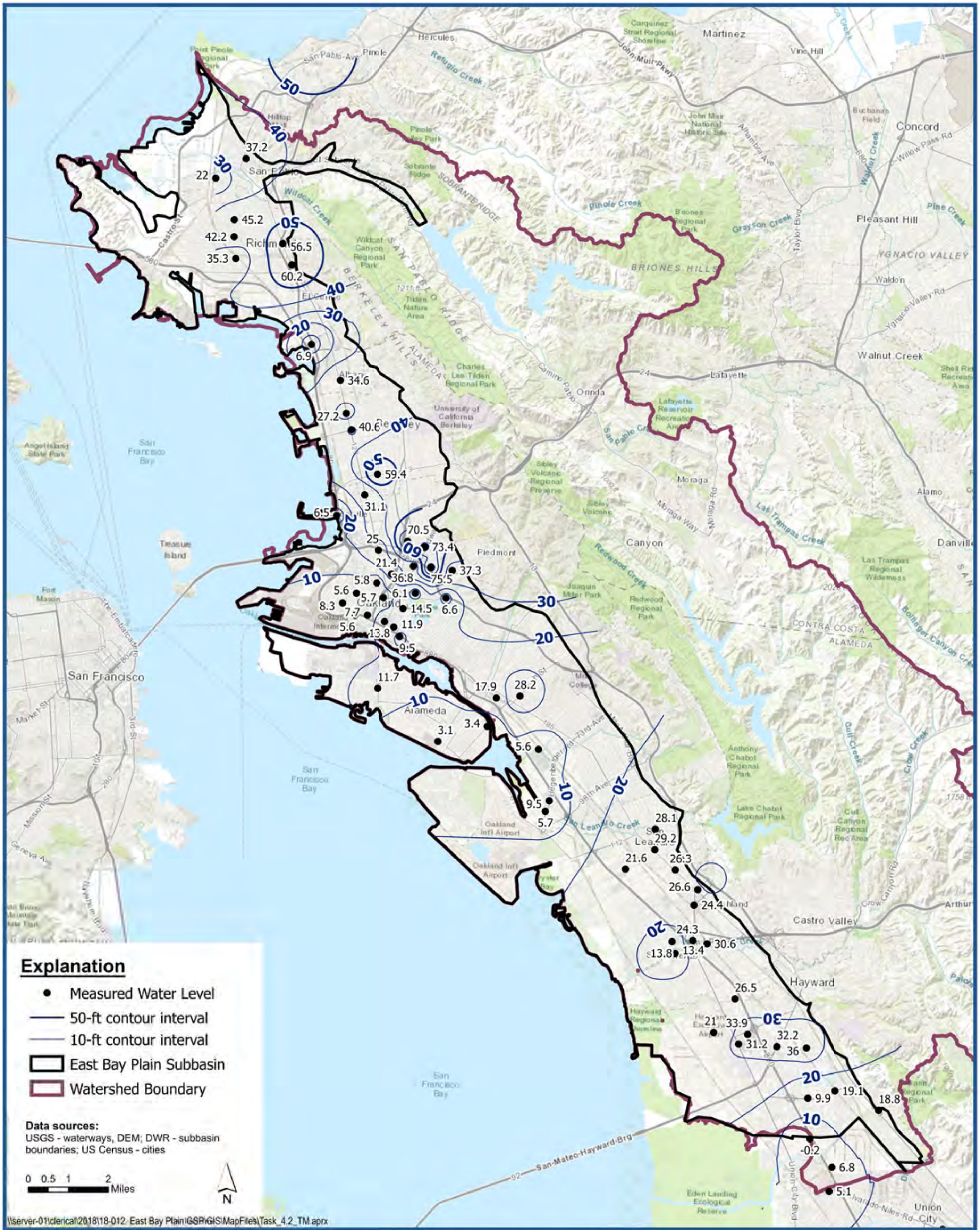


Water Table Aquifer Groundwater Elevation Contour Map – Spring 2002

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-1

LSCE TEAM



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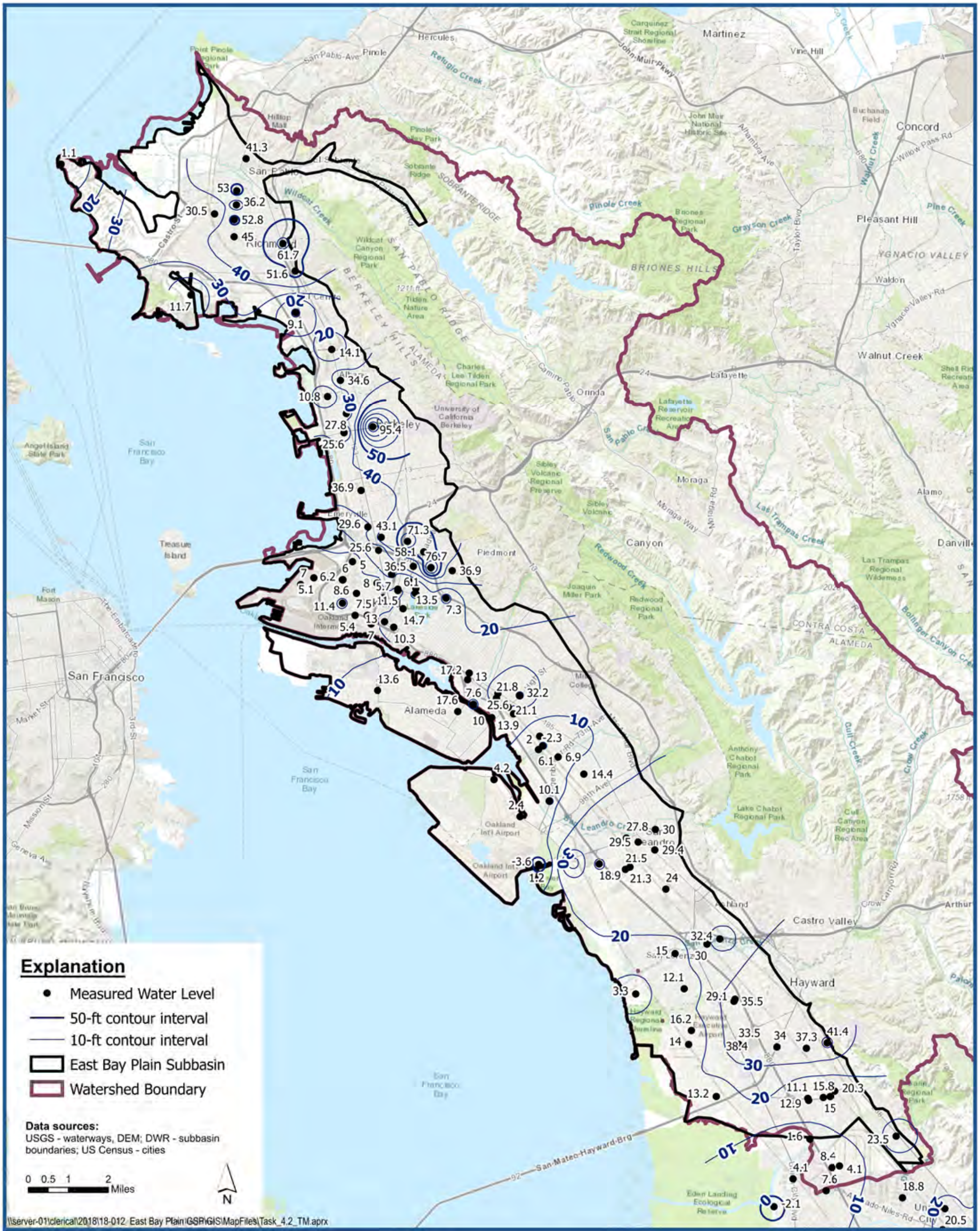
LSCE TEAM

Water Table Aquifer Groundwater Elevation Contour Map – Fall 2002

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-2



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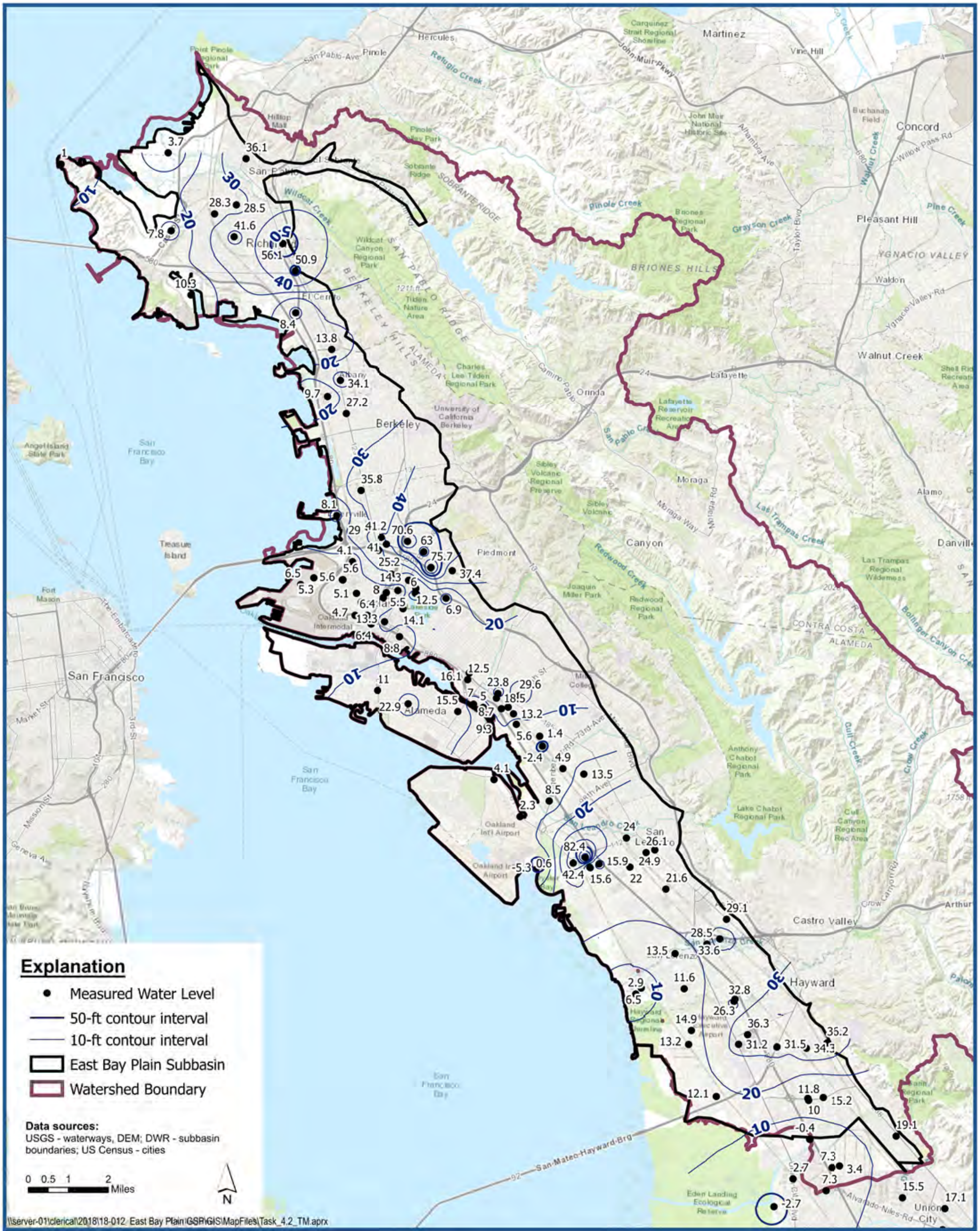
LSCE TEAM

Water Table Aquifer Groundwater Elevation Contour Map – Spring 2008

Figure 5-3

East Bay Plain Subbasin
Groundwater Sustainability Plan

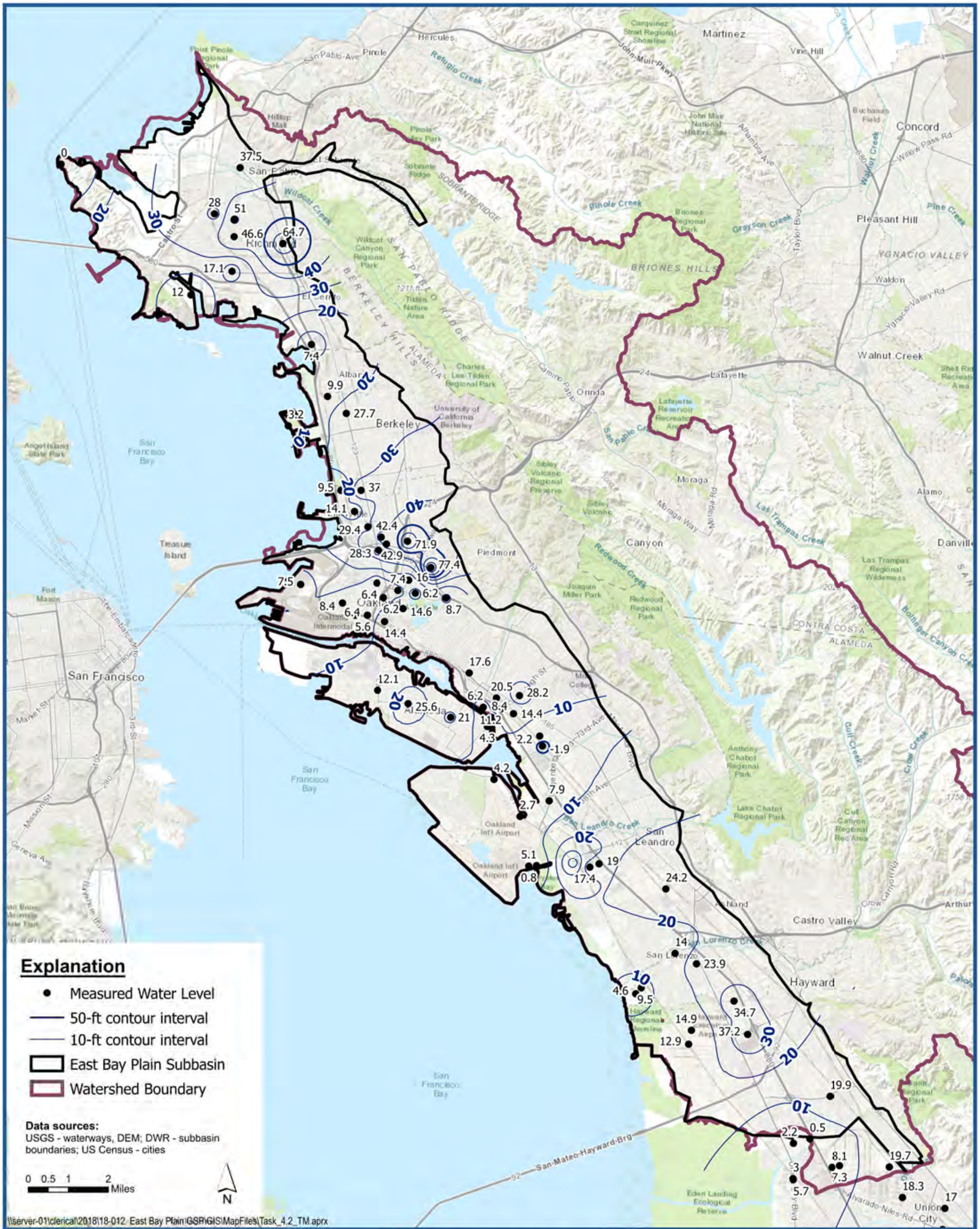


LSCE TEAM

Water Table Aquifer Groundwater Elevation Contour Map – Fall 2008

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-4



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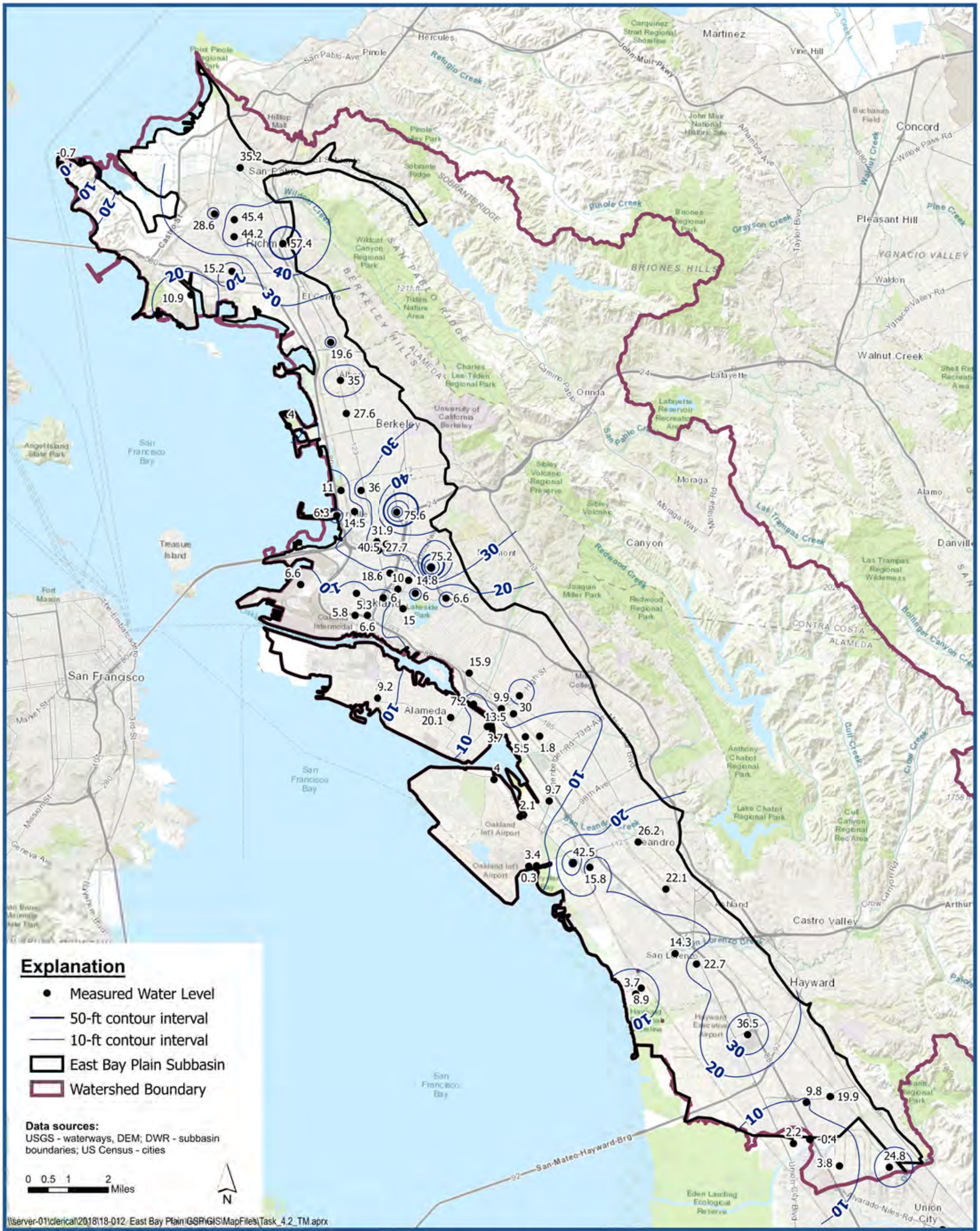
LSCE TEAM

Water Table Aquifer Groundwater Elevation Contour Map – Spring 2012

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-5



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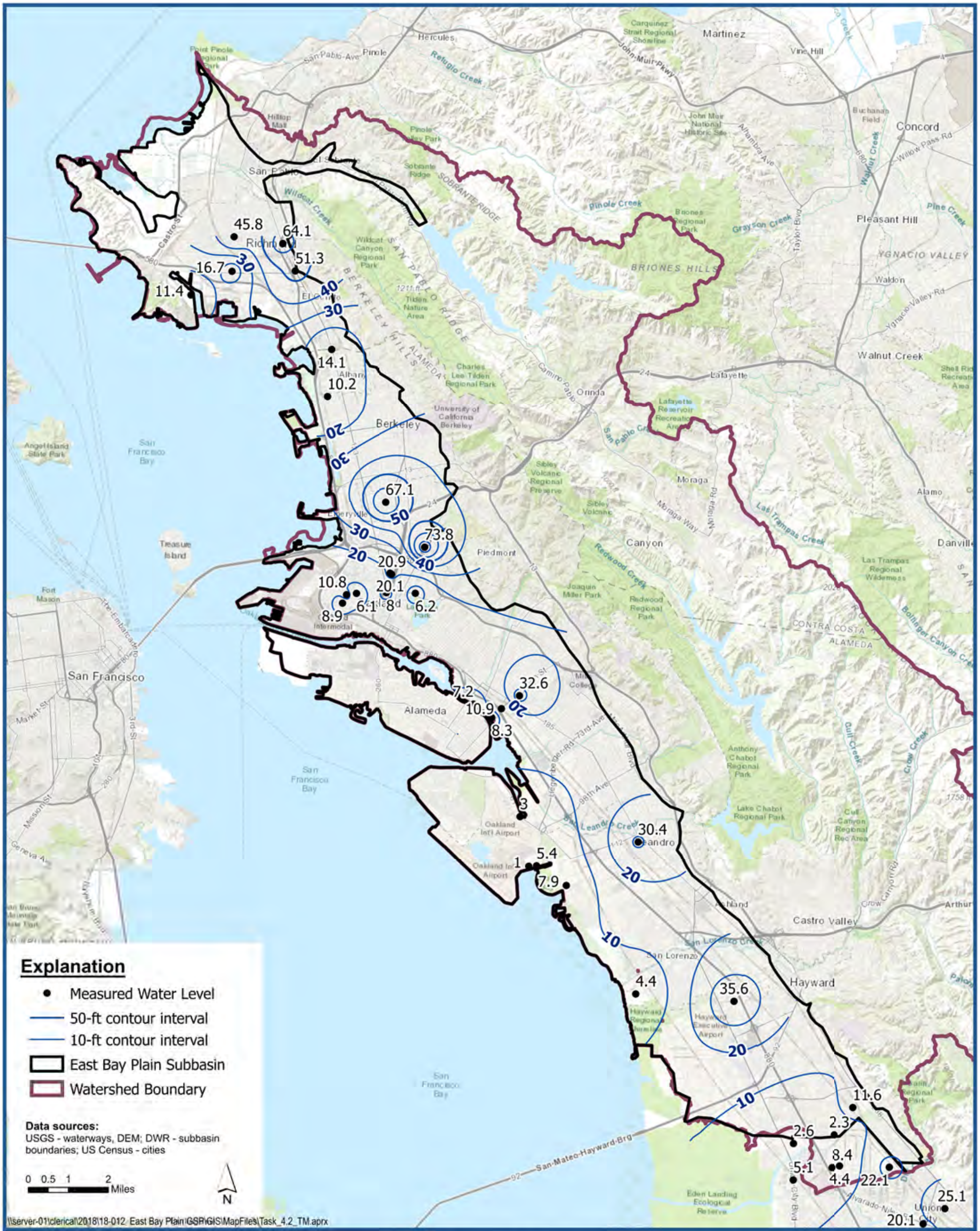
LSCE TEAM

Water Table Aquifer Groundwater Elevation Contour Map – Fall 2012

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-6

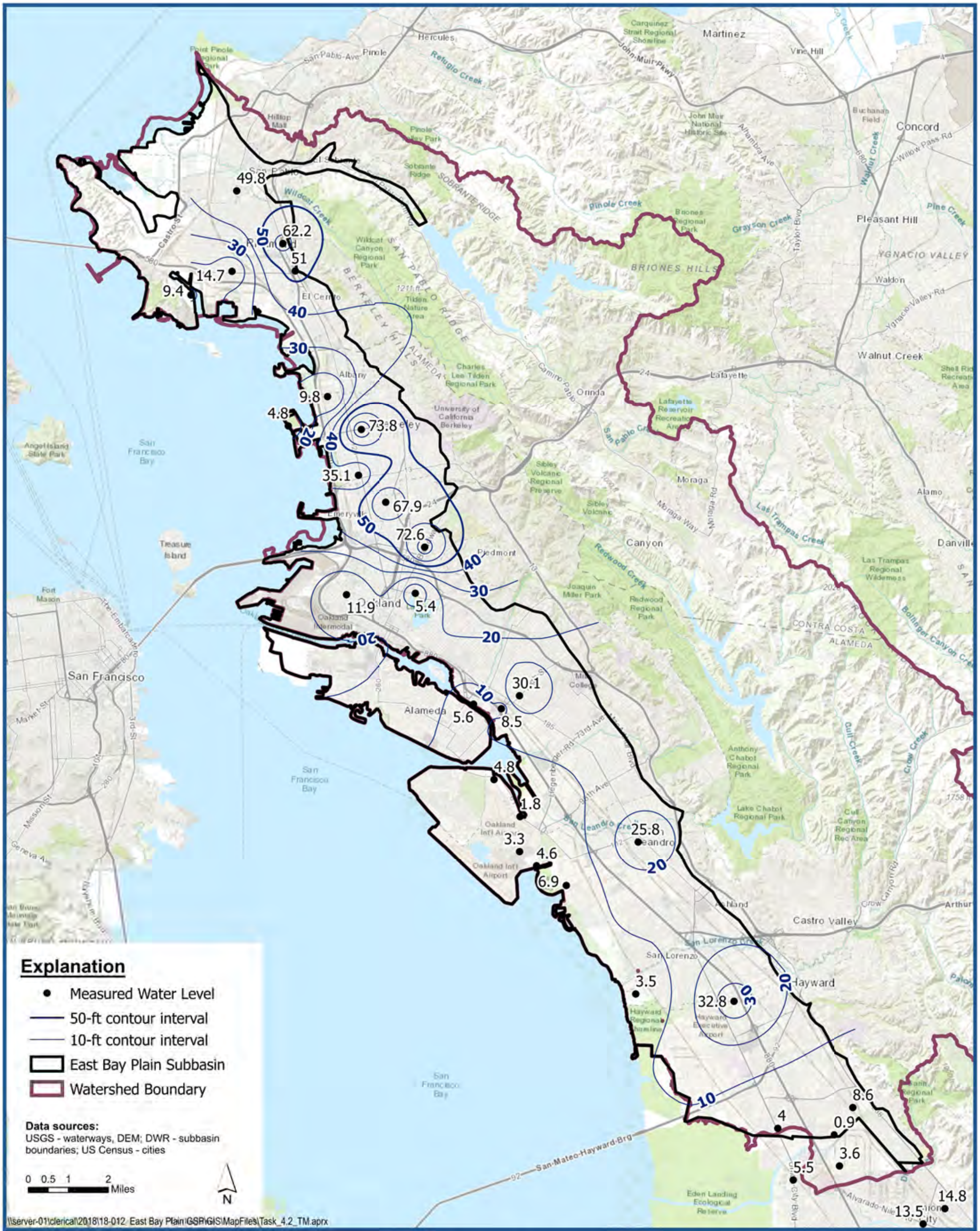


LSCE TEAM

Water Table Aquifer Groundwater Elevation Contour Map – Spring 2018

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-7



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

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LSCE TEAM

Water Table Aquifer Groundwater Elevation Contour Map – Fall 2018

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-8

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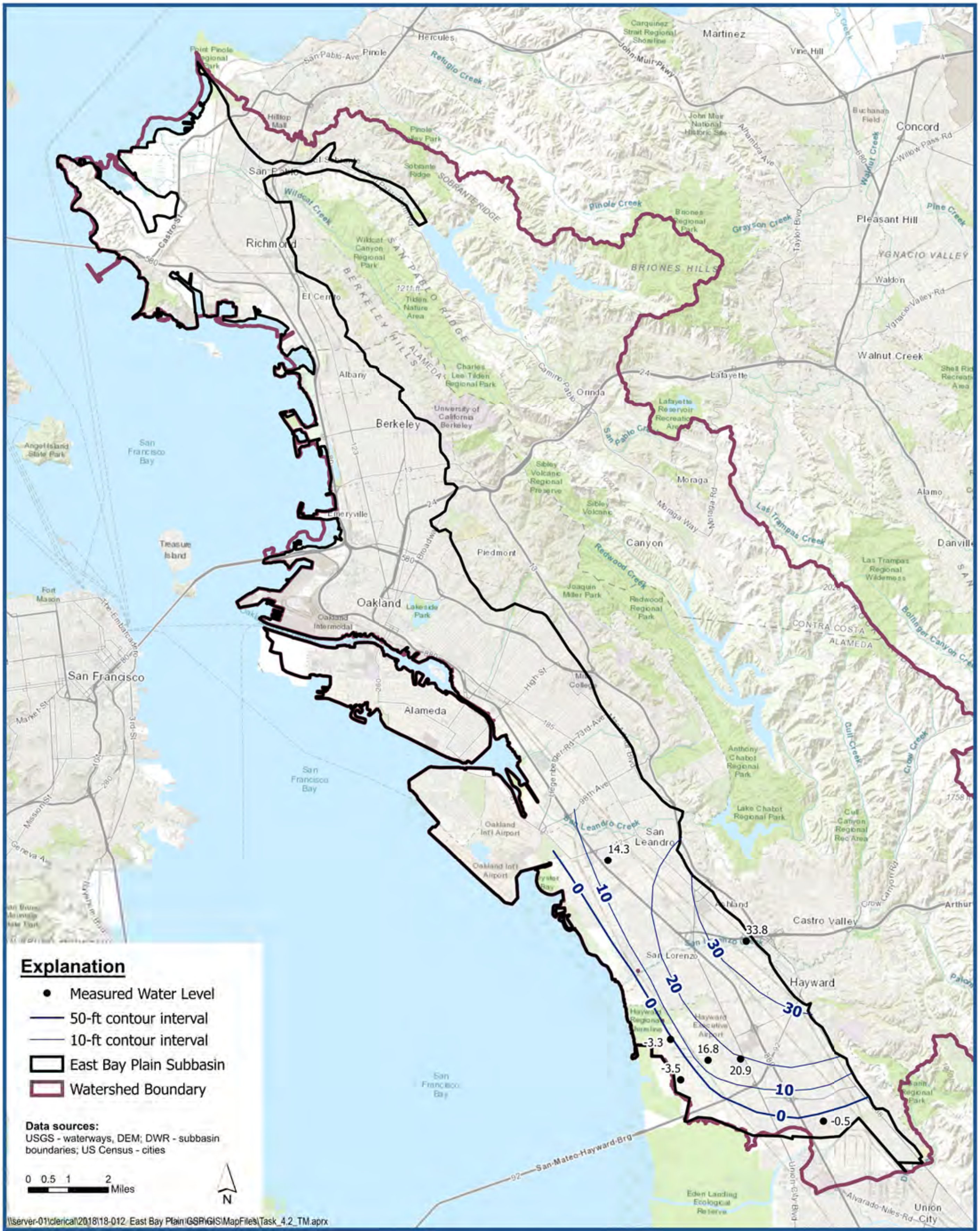
LSCE TEAM

Shallow Aquifer Groundwater Elevation Contour Map – Spring 1959

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-9



LSCE TEAM

Shallow Aquifer Groundwater Elevation Contour Map – Fall 1959

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-10

Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

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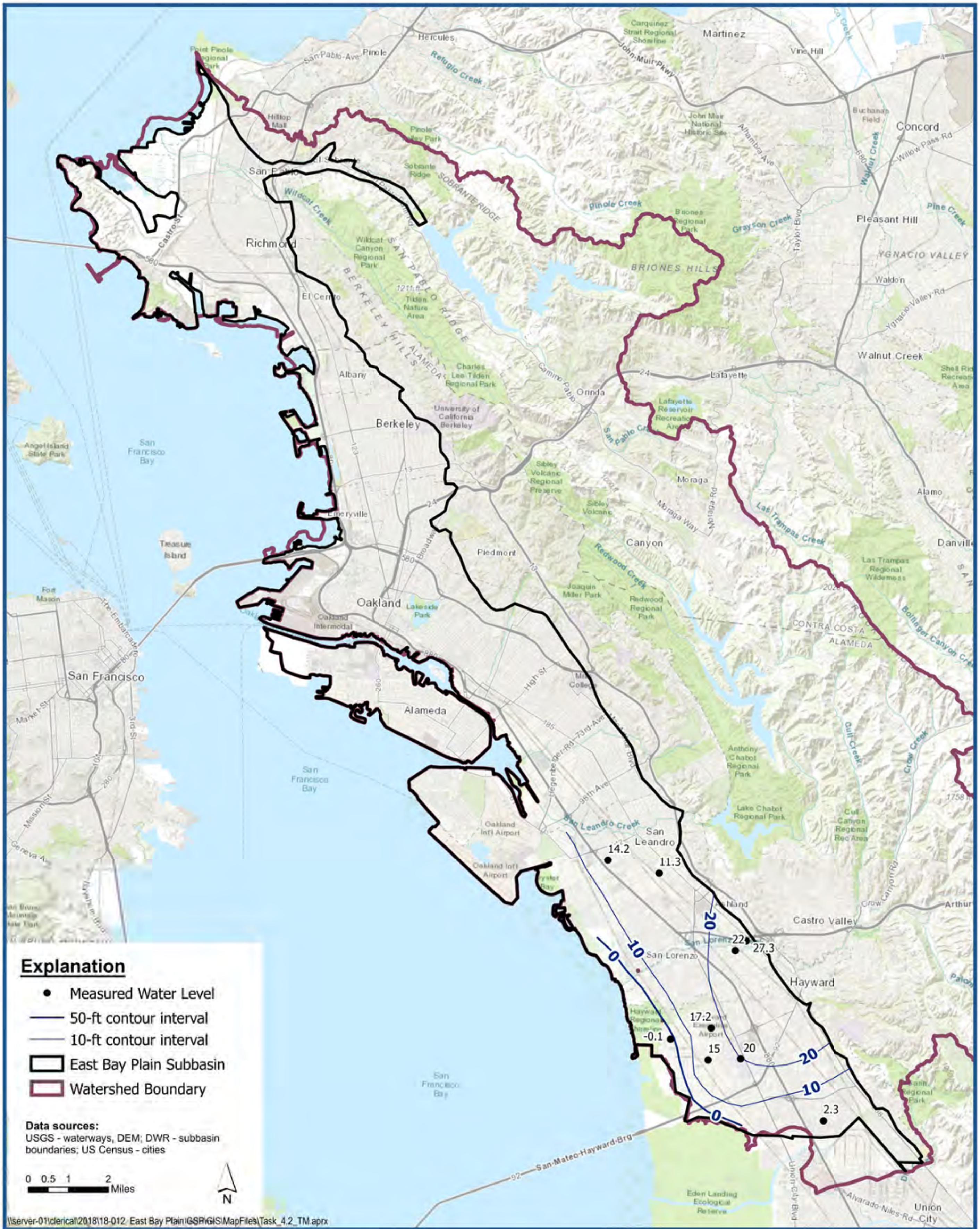
LSCE TEAM

Shallow Aquifer Groundwater Elevation Contour Map – Spring 1965

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-11

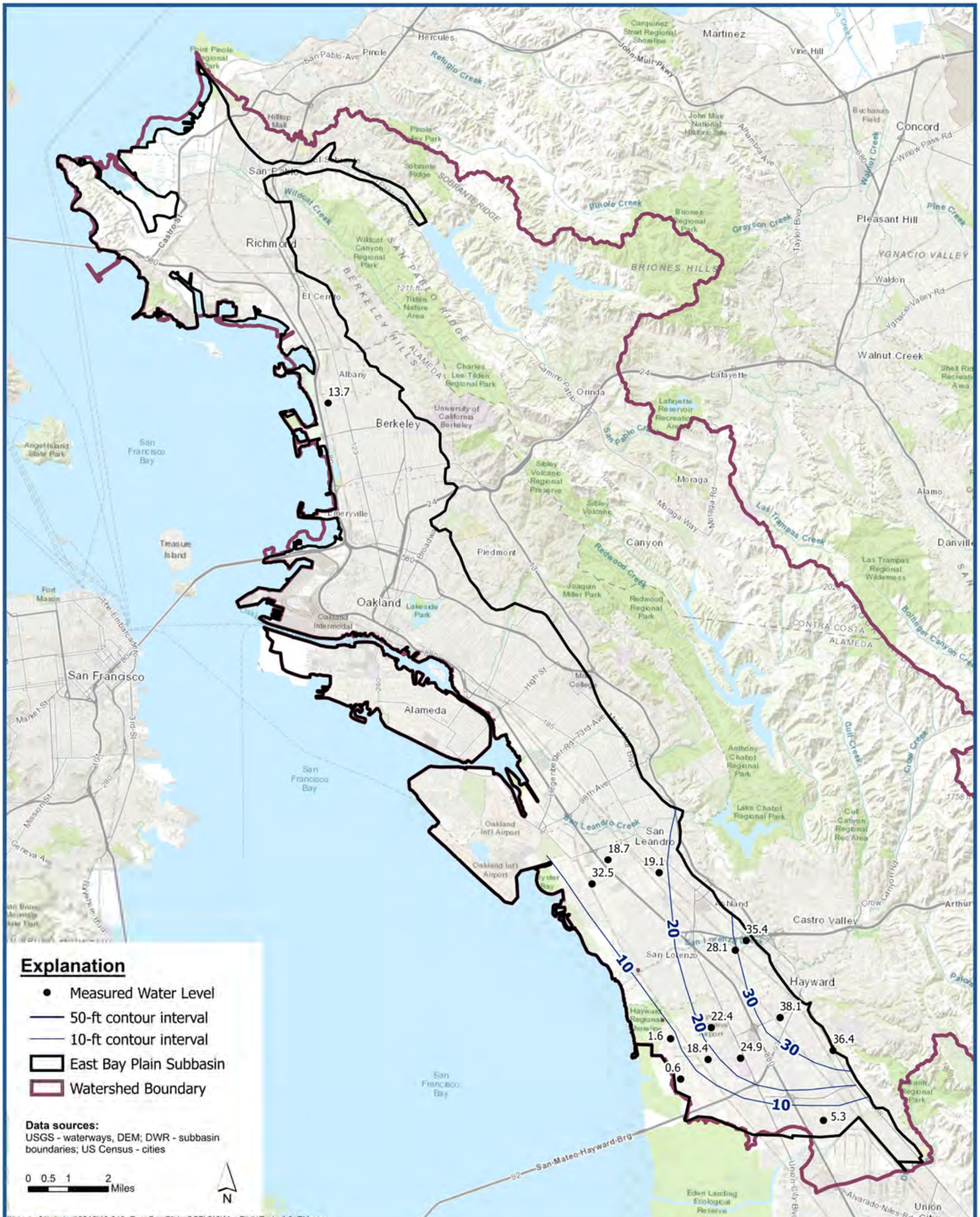


LSCE TEAM

Shallow Aquifer Groundwater Elevation Contour Map – Fall 1965

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-12



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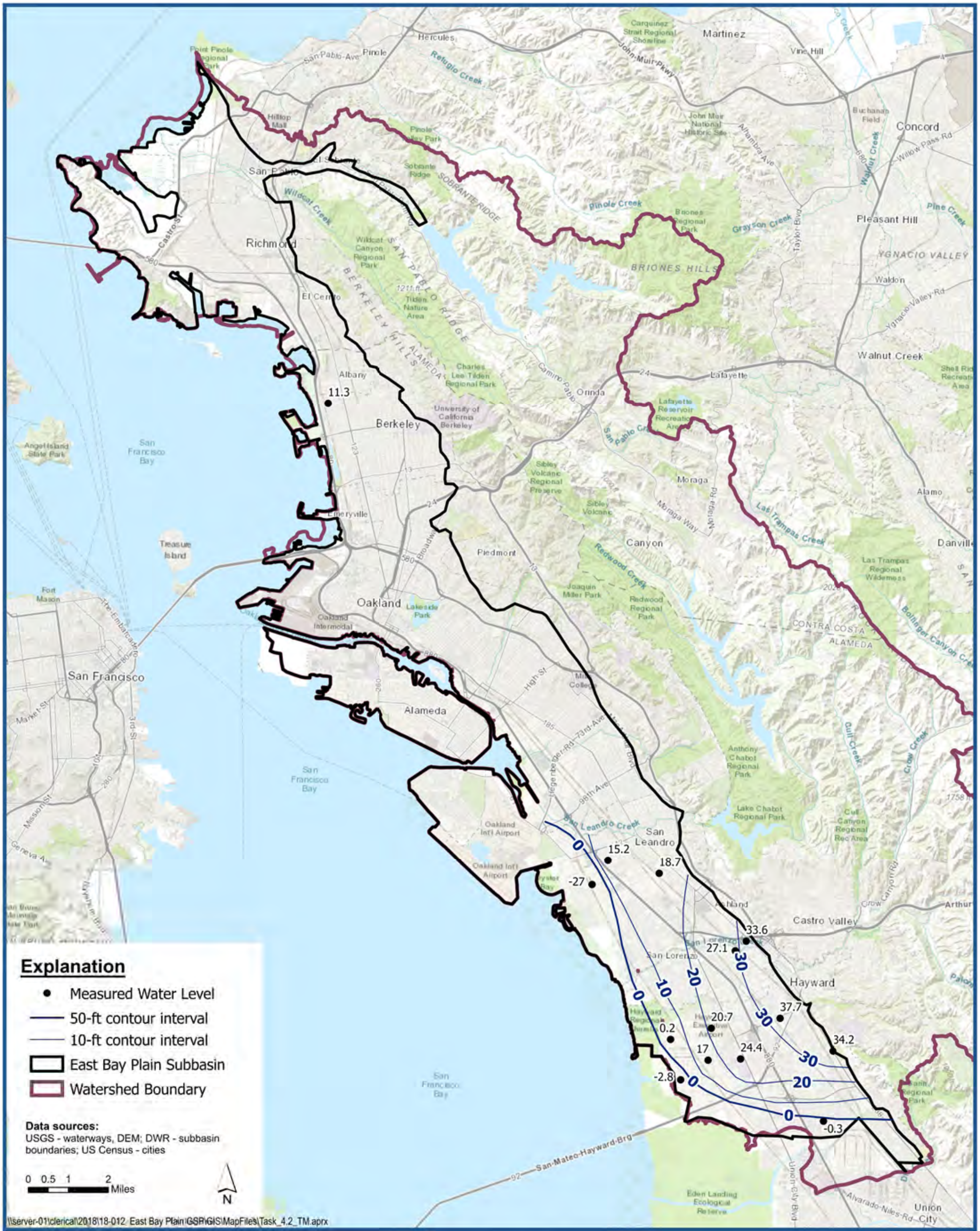
Shallow Aquifer Groundwater Elevation Contour Map – Spring 1975

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-13



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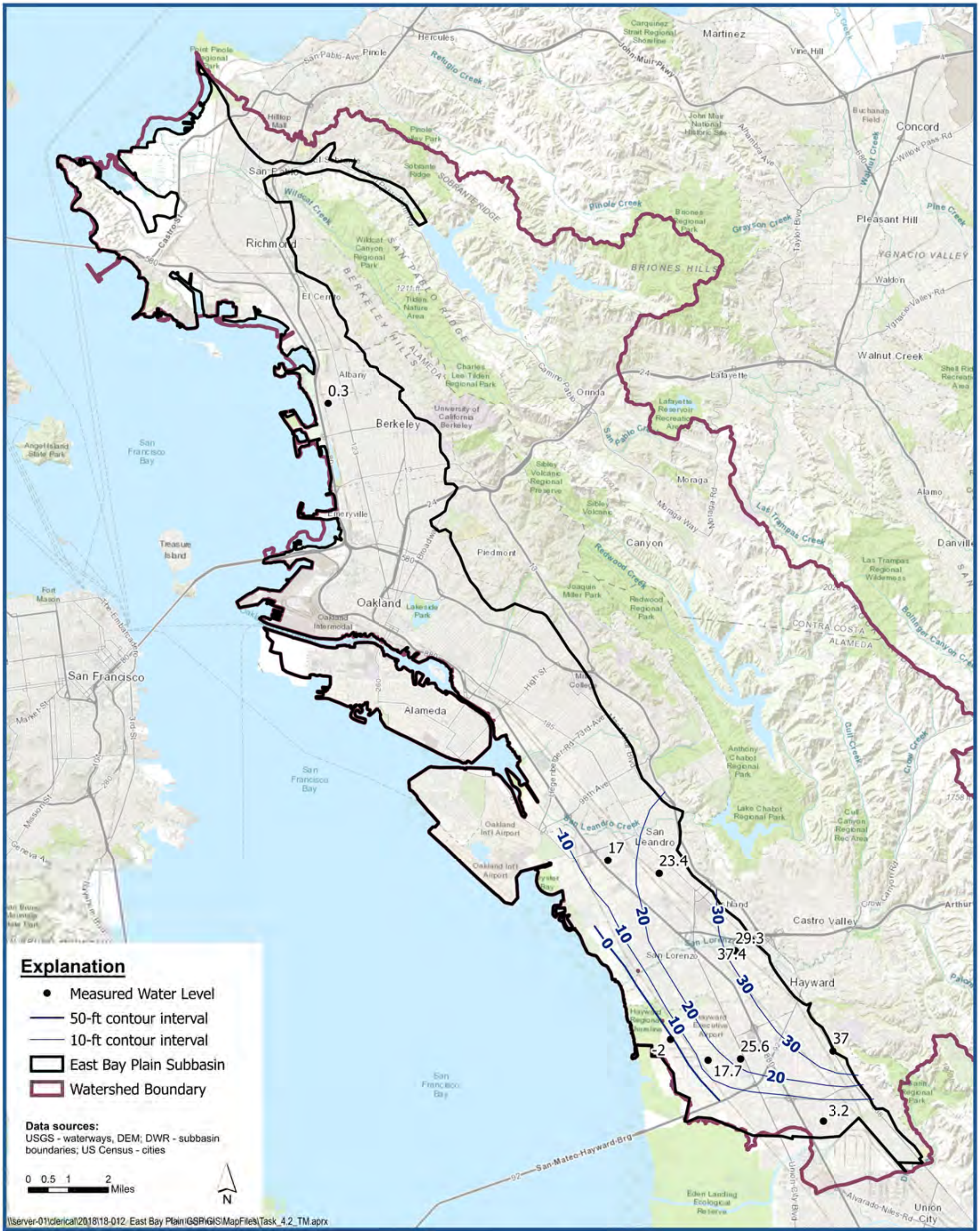
Shallow Aquifer Groundwater Elevation Contour Map – Fall 1975

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-14



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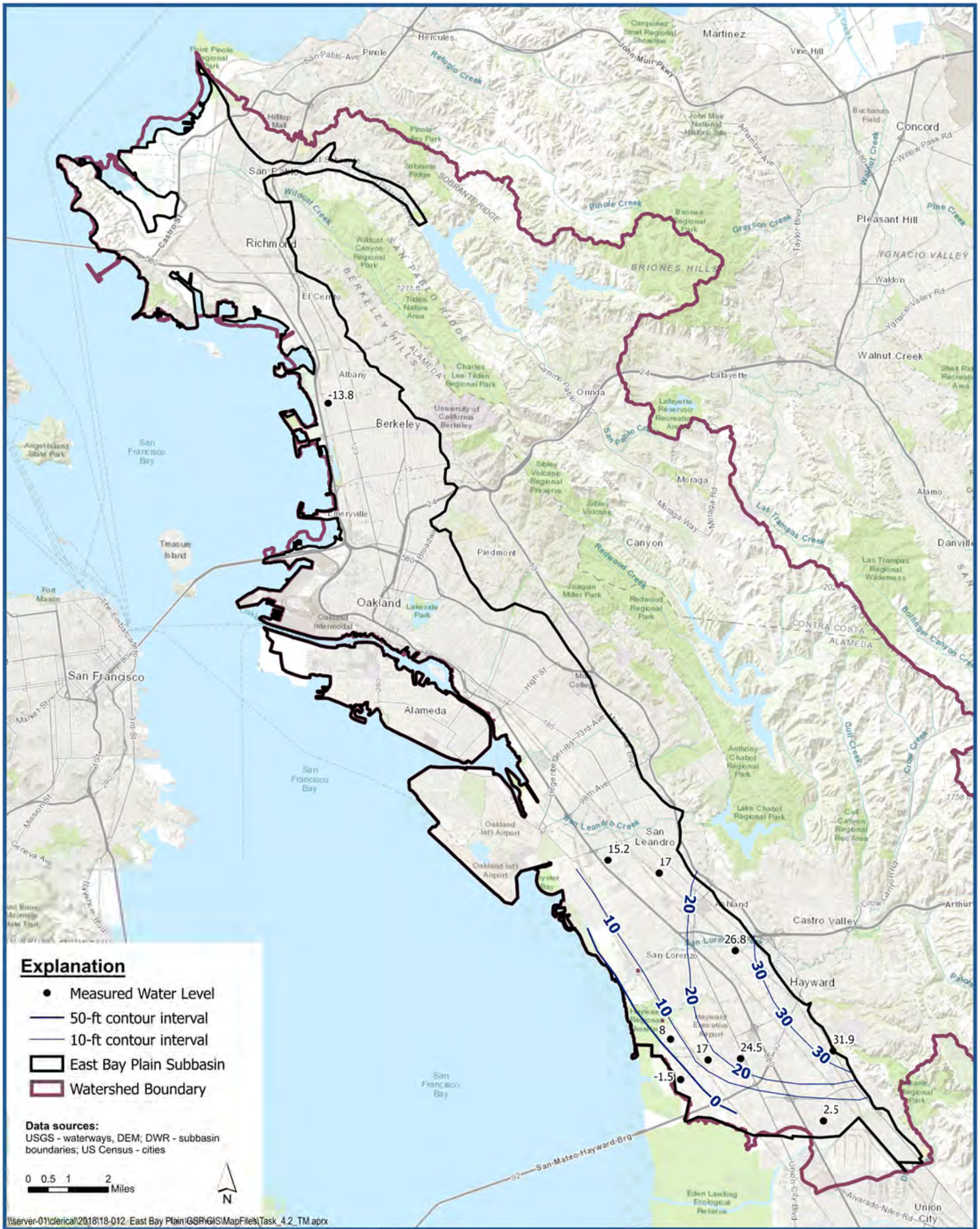
Shallow Aquifer Groundwater Elevation Contour Map – Spring 1985

Figure 5-15

East Bay Plain Subbasin
Groundwater Sustainability Plan



Shallow Aquifer Groundwater Elevation Contour Map – Fall 1985

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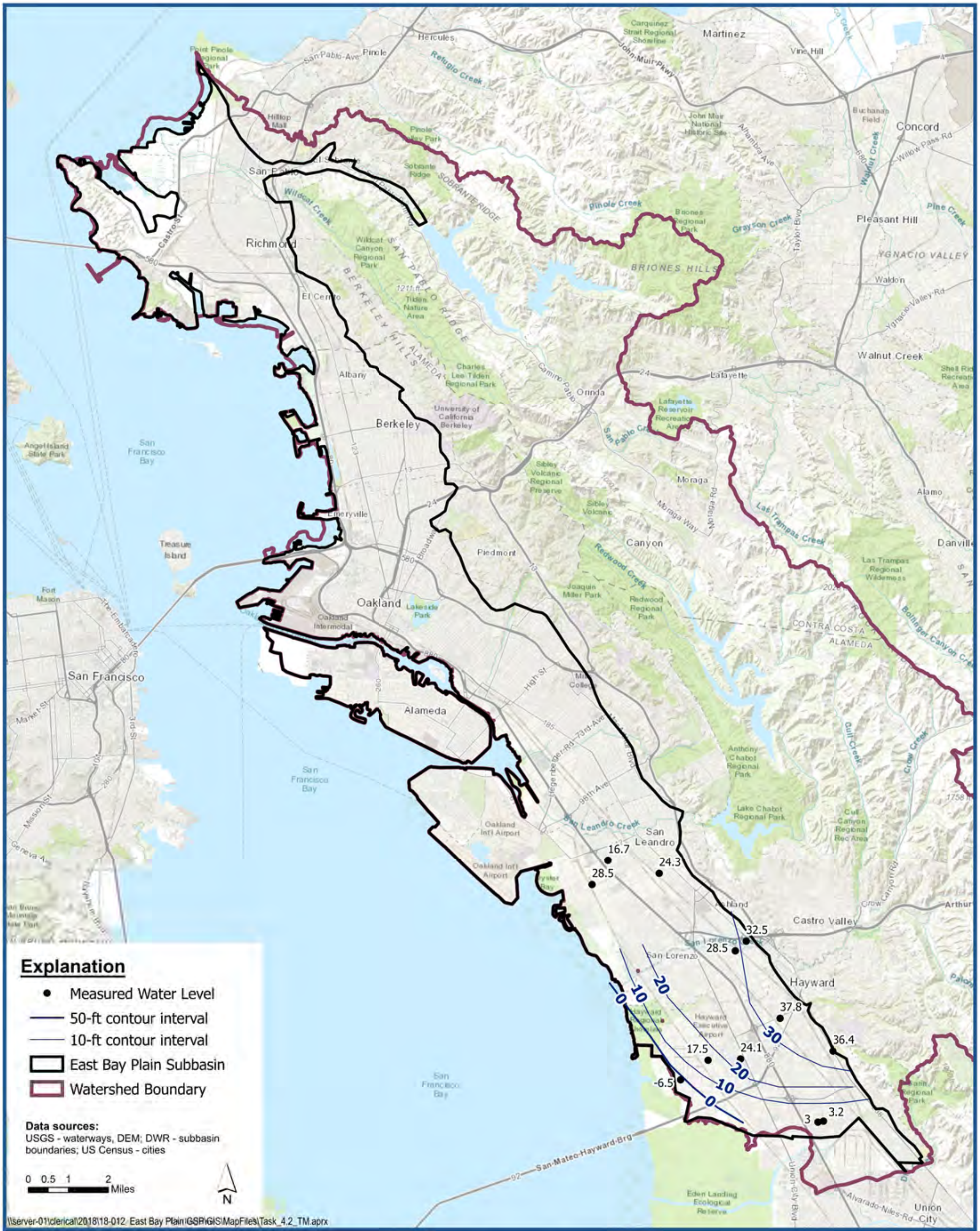
East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-16



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Shallow Aquifer Groundwater Elevation Contour Map – Spring 1993

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-17

Shallow Aquifer Groundwater Elevation Contour Map – Fall 1993

East Bay Plain Subbasin
Groundwater Sustainability Plan

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Figure 5-18

Explanation

● Measured Water Level

▭ East Bay Plain Subbasin

▭ Watershed Boundary

Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

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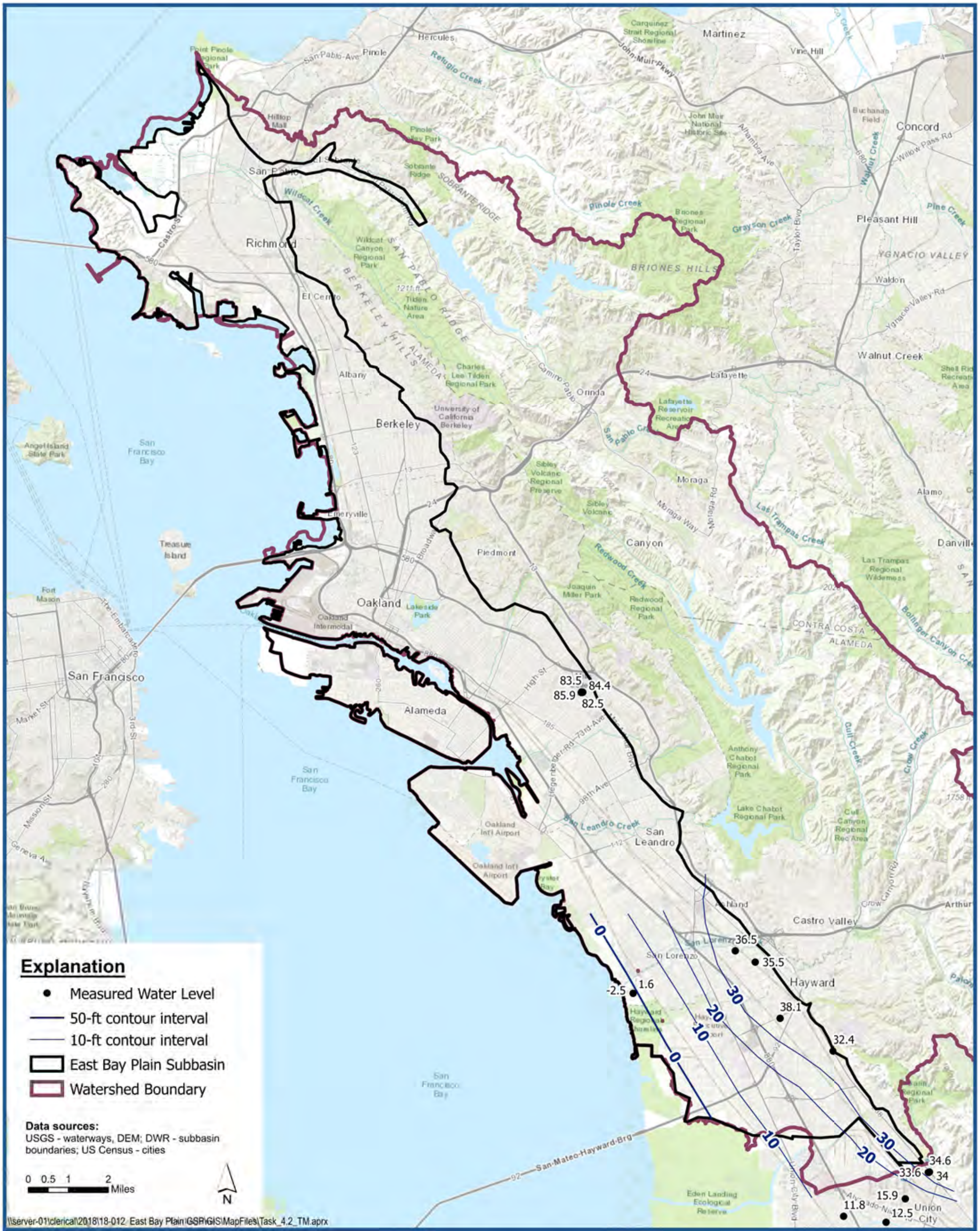
Shallow Aquifer Groundwater Elevation Contour Map – Spring 2002

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-19



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

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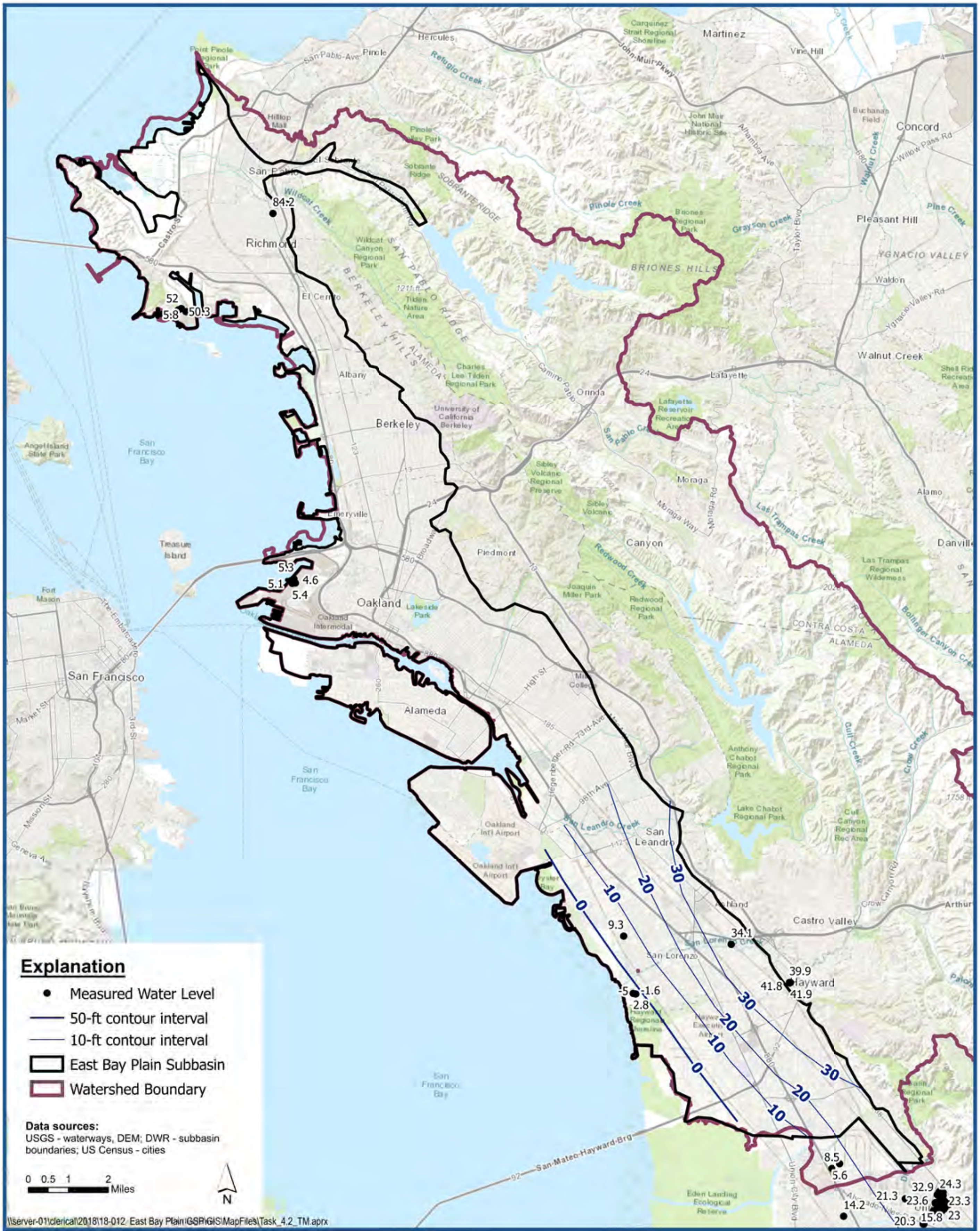
Shallow Aquifer Groundwater Elevation Contour Map – Fall 2002

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-20



Shallow Aquifer Groundwater Elevation Contour Map – Spring 2018

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-21

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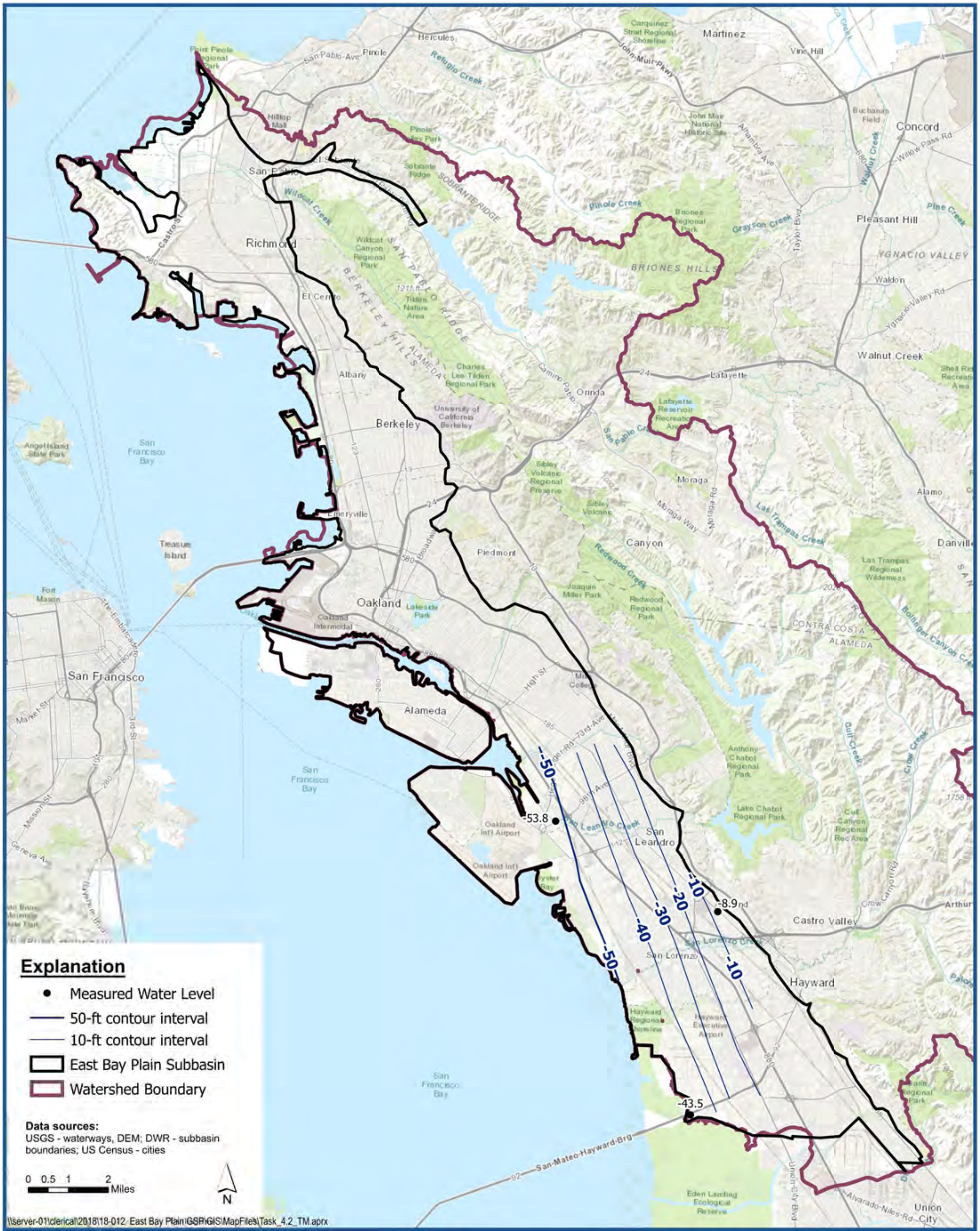
Shallow Aquifer Groundwater Elevation Contour Map – Fall 2018

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-22



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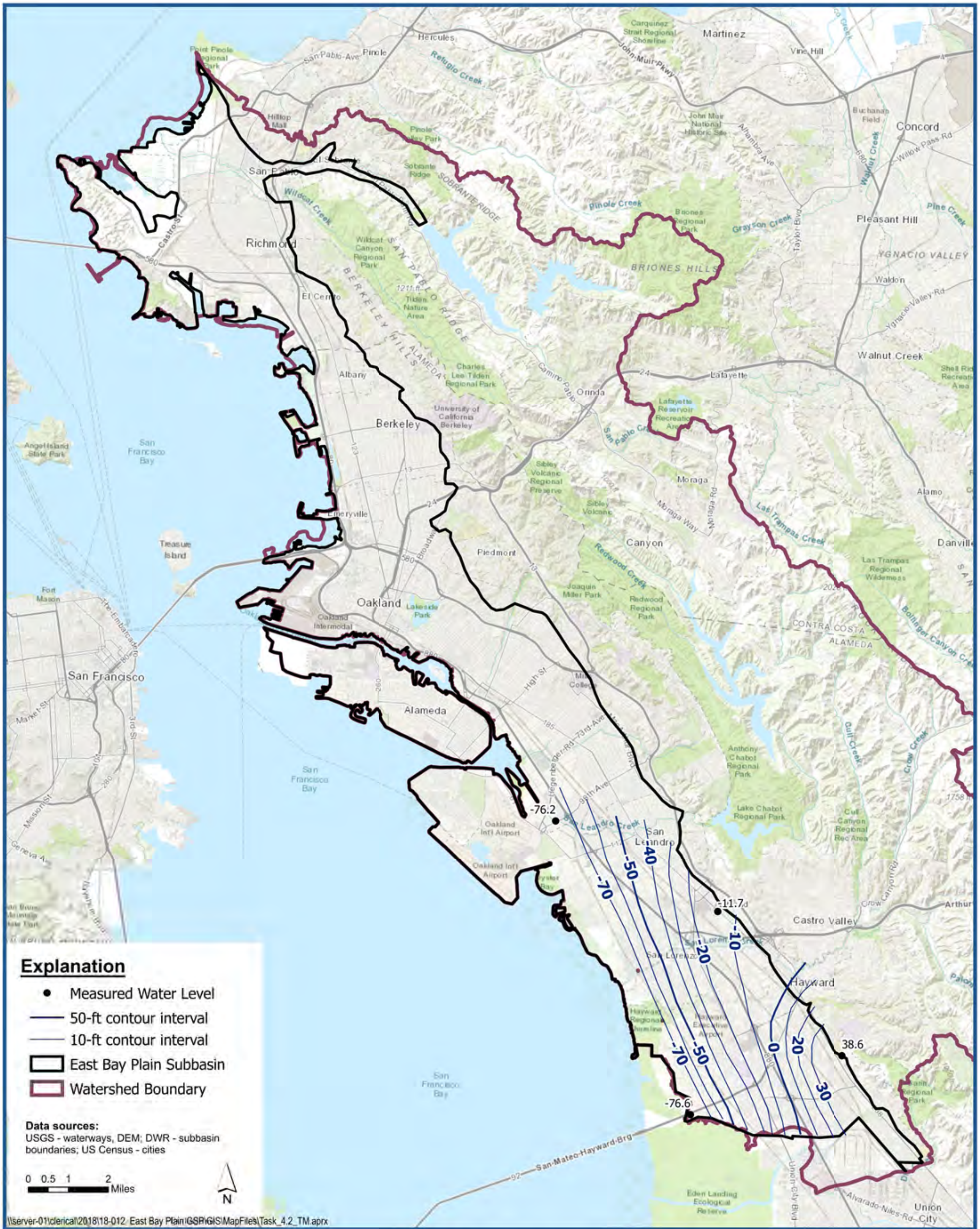
Intermediate Aquifer Groundwater Elevation Contour Map – Spring 1953

Figure 5-23

East Bay Plain Subbasin
Groundwater Sustainability Plan



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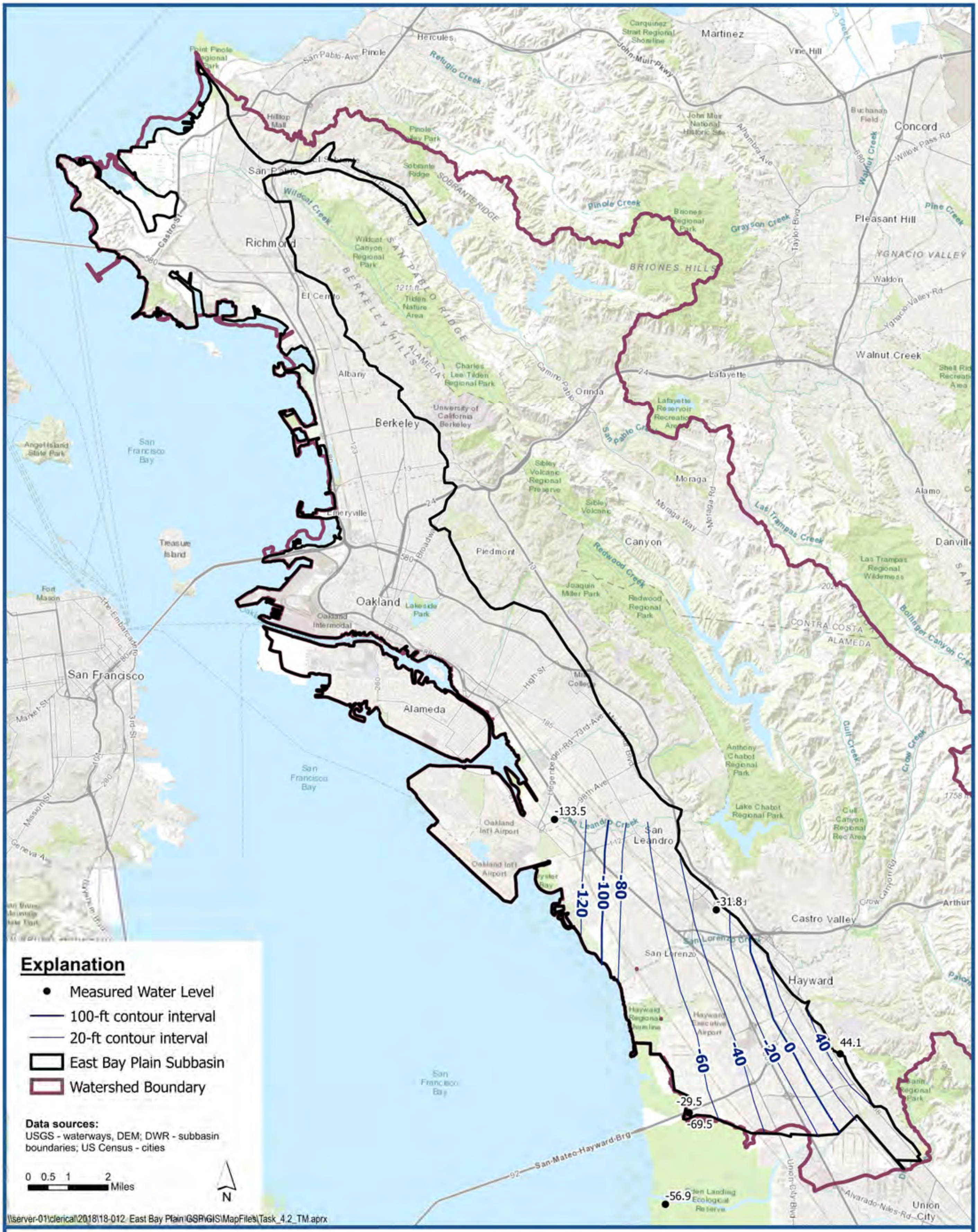
Intermediate Aquifer Groundwater Elevation Contour Map – Fall 1953

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-24



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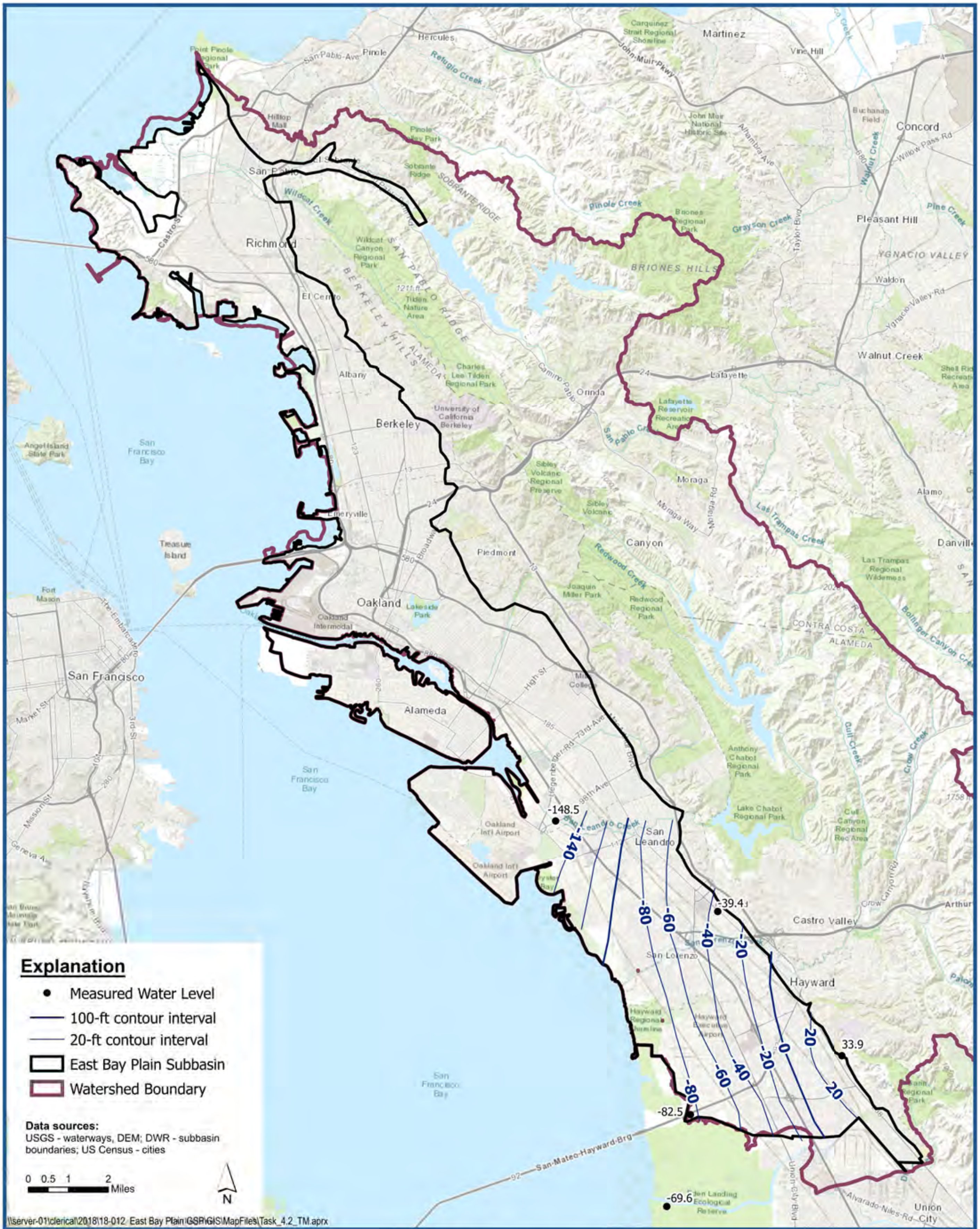
Intermediate Aquifer Groundwater Elevation Contour Map – Spring 1965

Figure 5-25

East Bay Plain Subbasin
Groundwater Sustainability Plan



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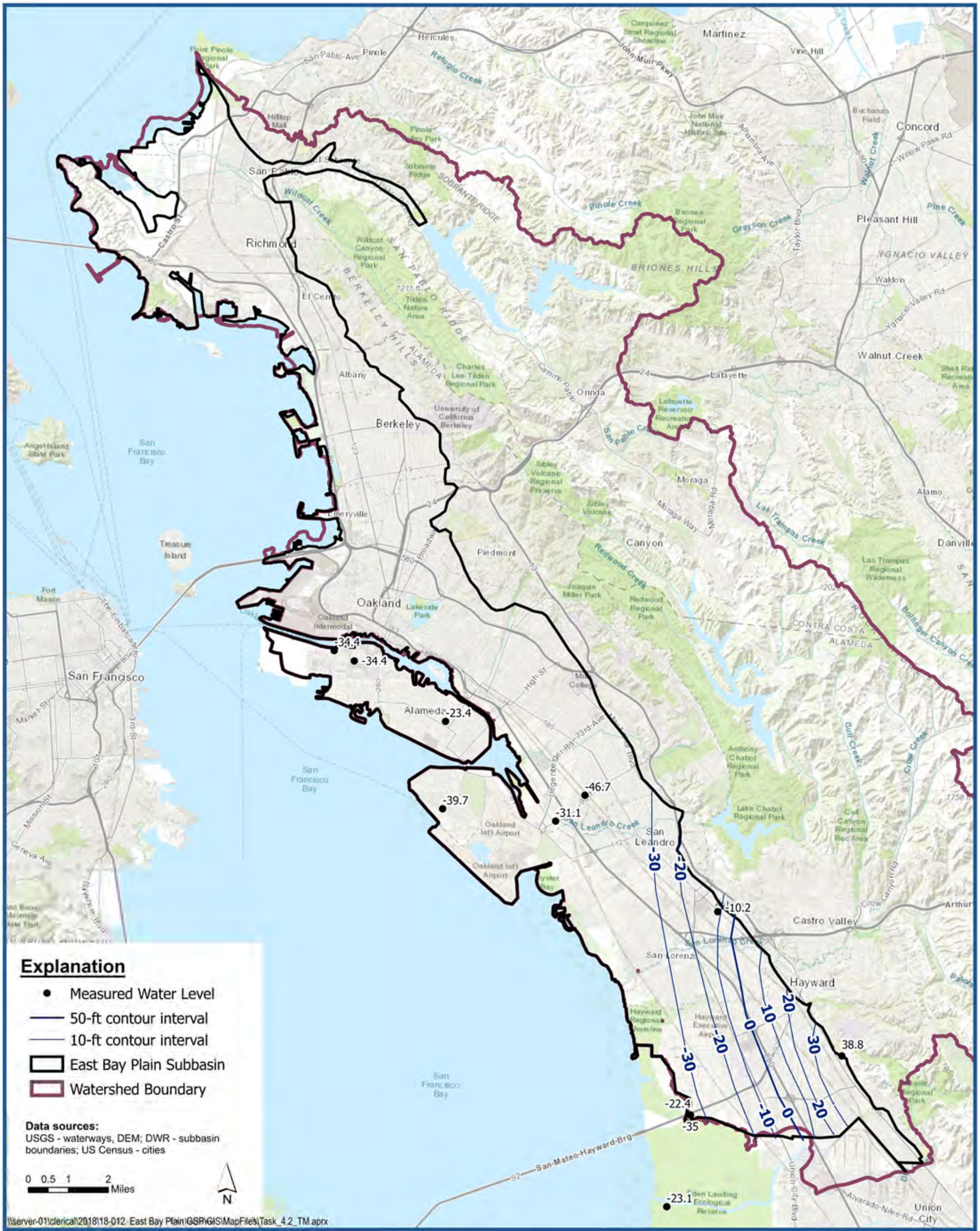
Intermediate Aquifer Groundwater Elevation Contour Map – Fall 1965

East Bay Plain Subbasin
Groundwater Sustainability Plan

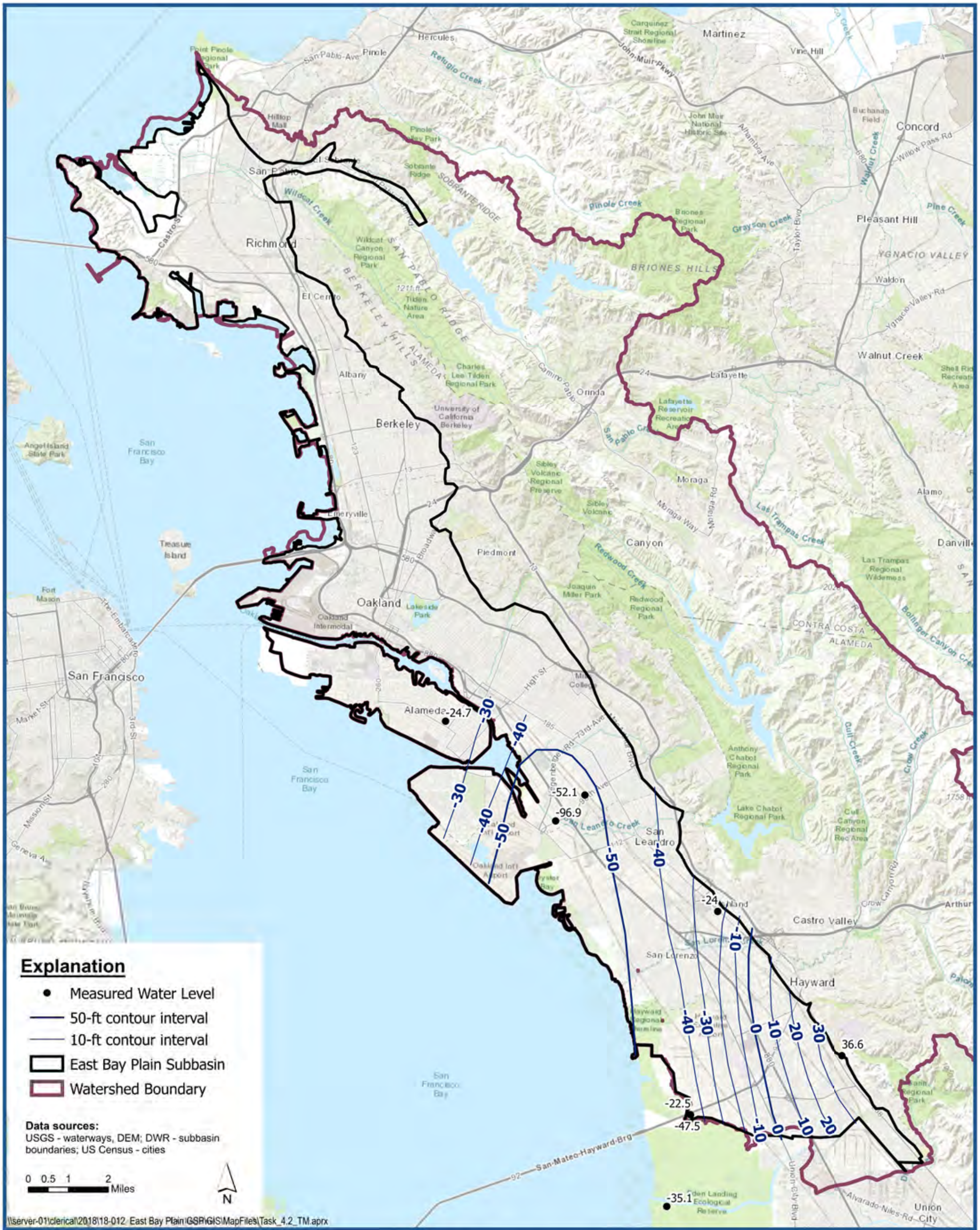
Figure 5-26



Intermediate Aquifer Groundwater Elevation Contour Map – Spring 1975

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-27



Intermediate Aquifer Groundwater Elevation Contour Map – Fall 1975

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-28

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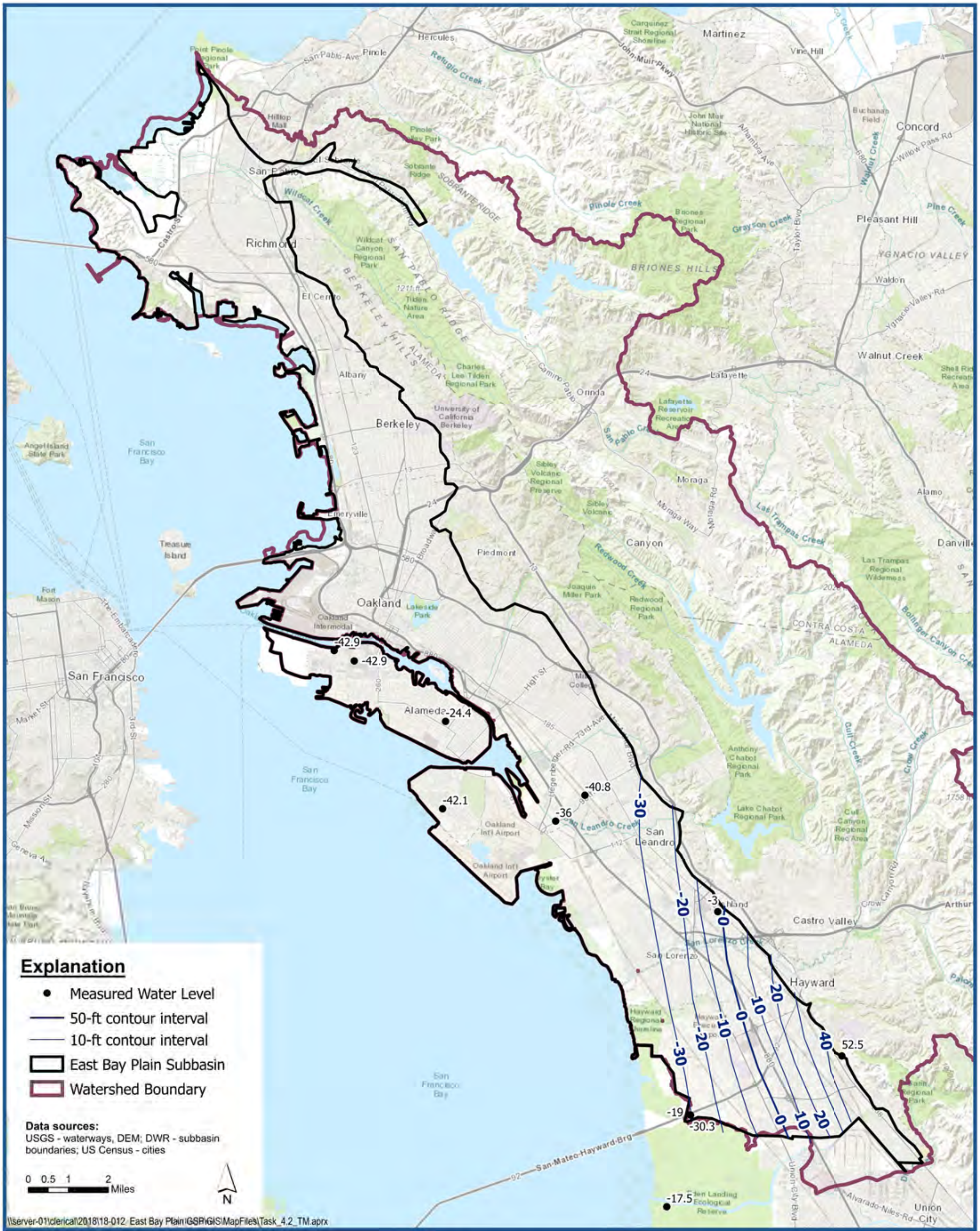

Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

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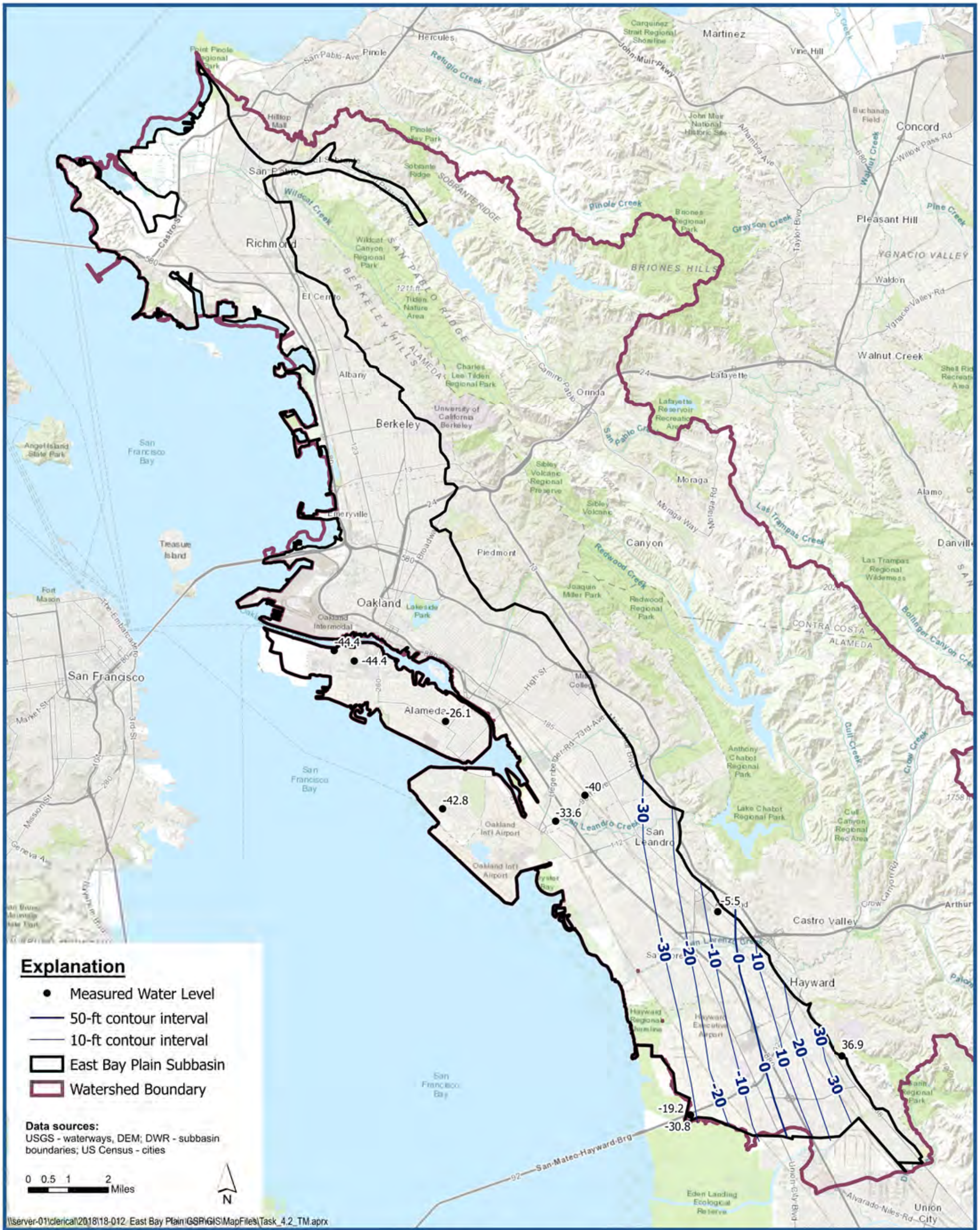
Intermediate Aquifer Groundwater Elevation Contour Map – Spring 1982

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-29



Intermediate Aquifer Groundwater Elevation Contour Map – Fall 1982

East Bay Plain Subbasin
Groundwater Sustainability Plan

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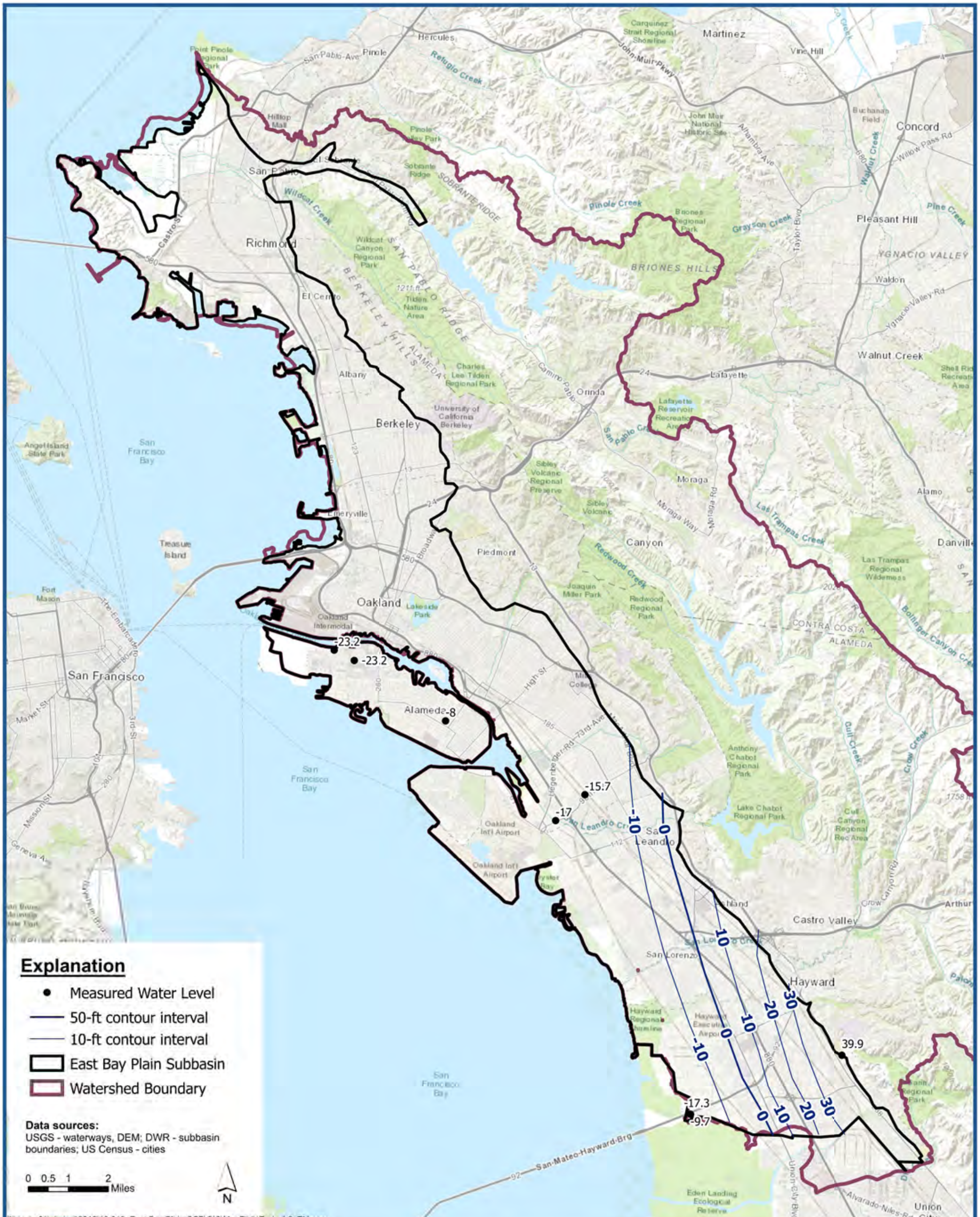
Figure 5-30



Explanation

- ● Measured Water Level
- 50-ft contour interval
- 10-ft contour interval
- East Bay Plain Subbasin
- Watershed Boundary

Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

0 0.5 1 2 Miles

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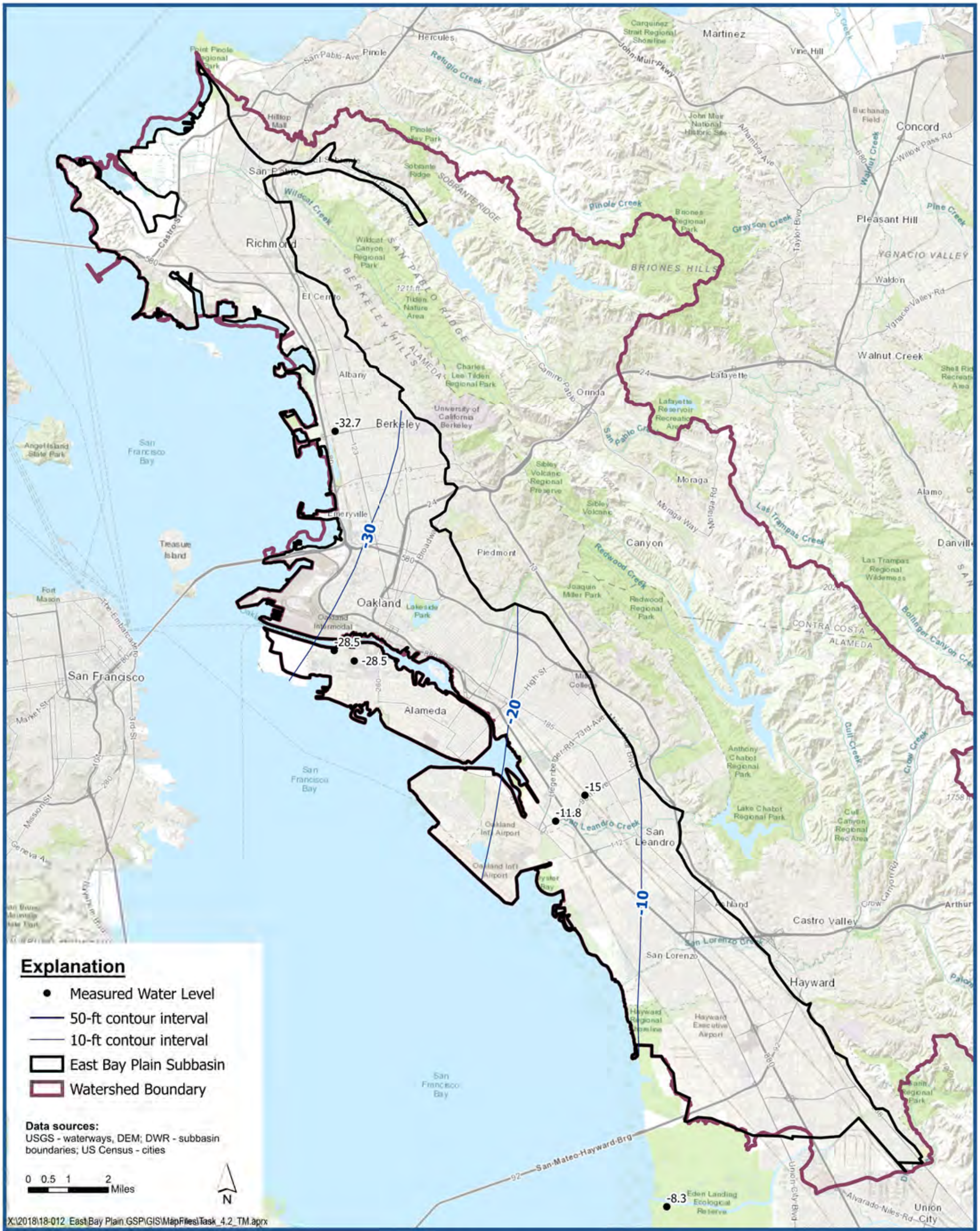
Intermediate Aquifer Groundwater Elevation Contour Map – Spring 1993

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-31



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

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Intermediate Aquifer Groundwater Elevation Contour Map – Fall 1993

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-32

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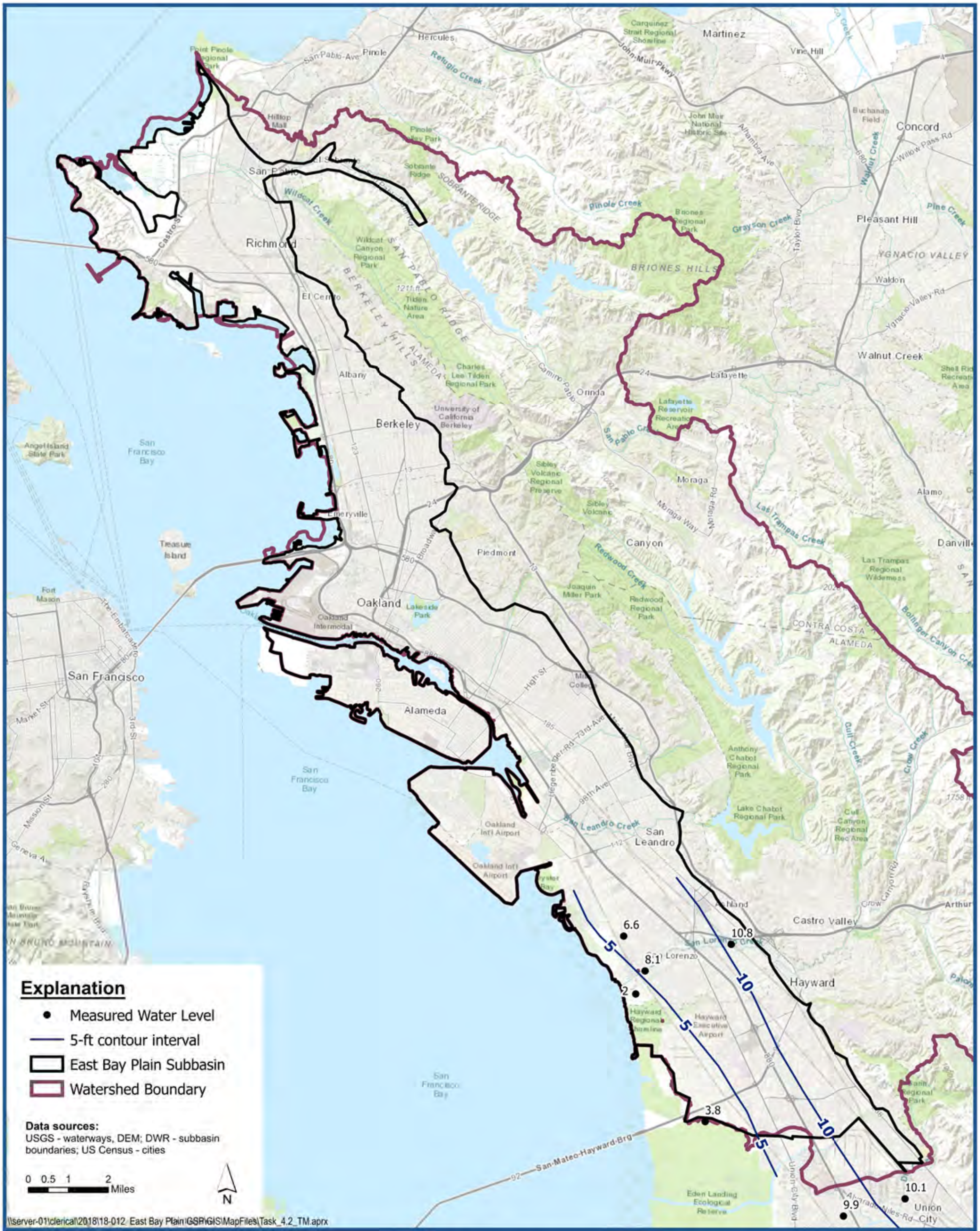
Intermediate Aquifer Groundwater Elevation Contour Map – Fall 2002

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-33



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Intermediate Aquifer Groundwater Elevation Contour Map – Spring 2018

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-34

Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

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Intermediate Aquifer Groundwater Elevation Contour Map – Fall 2018

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-35

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Deep Aquifer Groundwater Elevation Contour Map Spring 1965

Figure 5-36

East Bay Plain Subbasin
Groundwater Sustainability Plan

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Deep Aquifer Groundwater Elevation Contour Map
Fall 1965

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-37

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Deep Aquifer Groundwater Elevation Contour Map Spring 1975

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-38

Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

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Deep Aquifer Groundwater Elevation Contour Map Fall 1975

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-39

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Deep Aquifer Groundwater Elevation Contour Map Fall 1993

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-40

Deep Aquifer Groundwater Elevation Contour Map Spring 2002

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-41

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Deep Aquifer Groundwater Elevation Contour Map
Fall 2002

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-42

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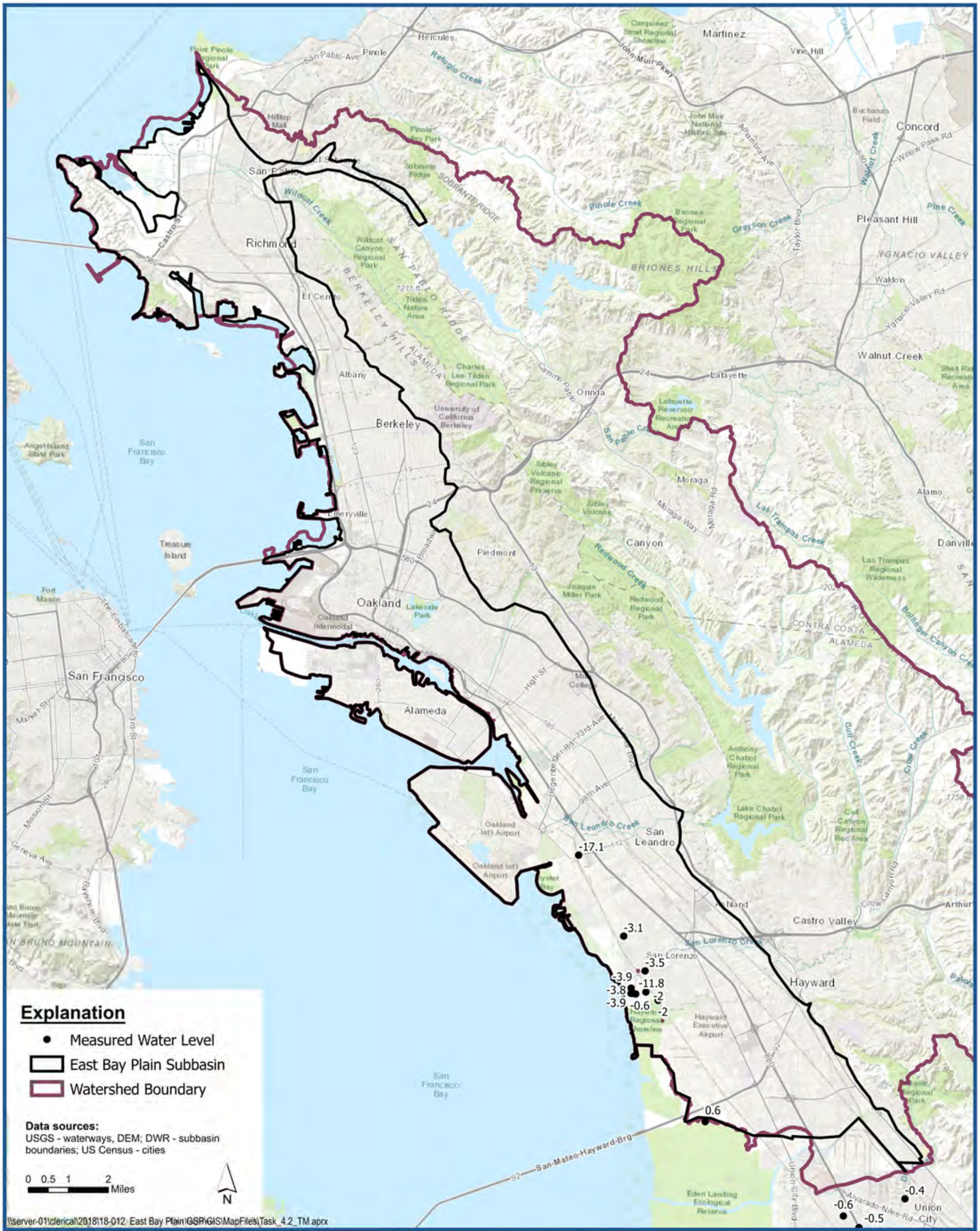
Deep Aquifer Groundwater Elevation Contour Map Spring 2018

Figure 5-43

East Bay Plain Subbasin
Groundwater Sustainability Plan



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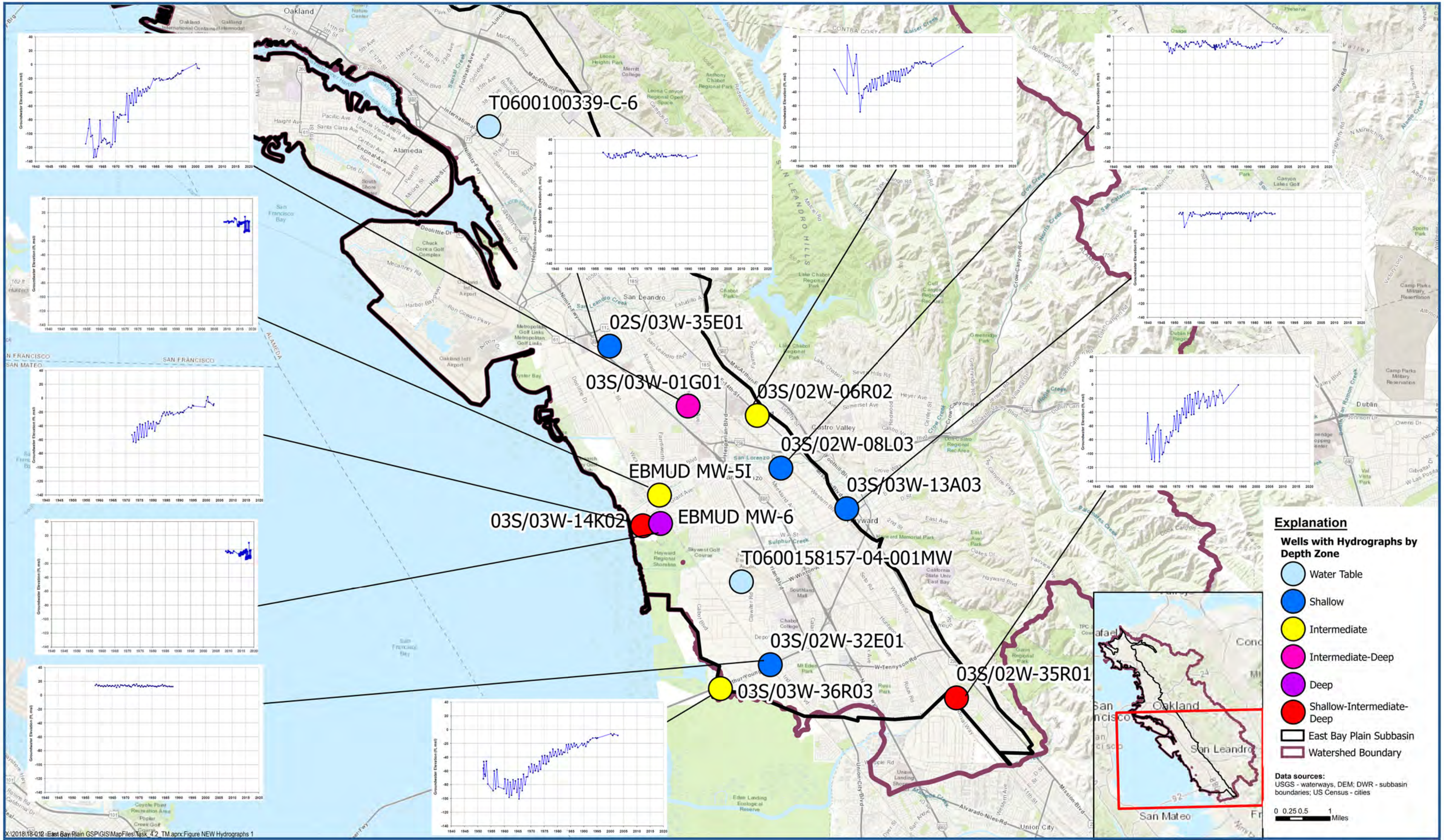
Deep Aquifer Groundwater Elevation Contour Map Fall 2018

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-44



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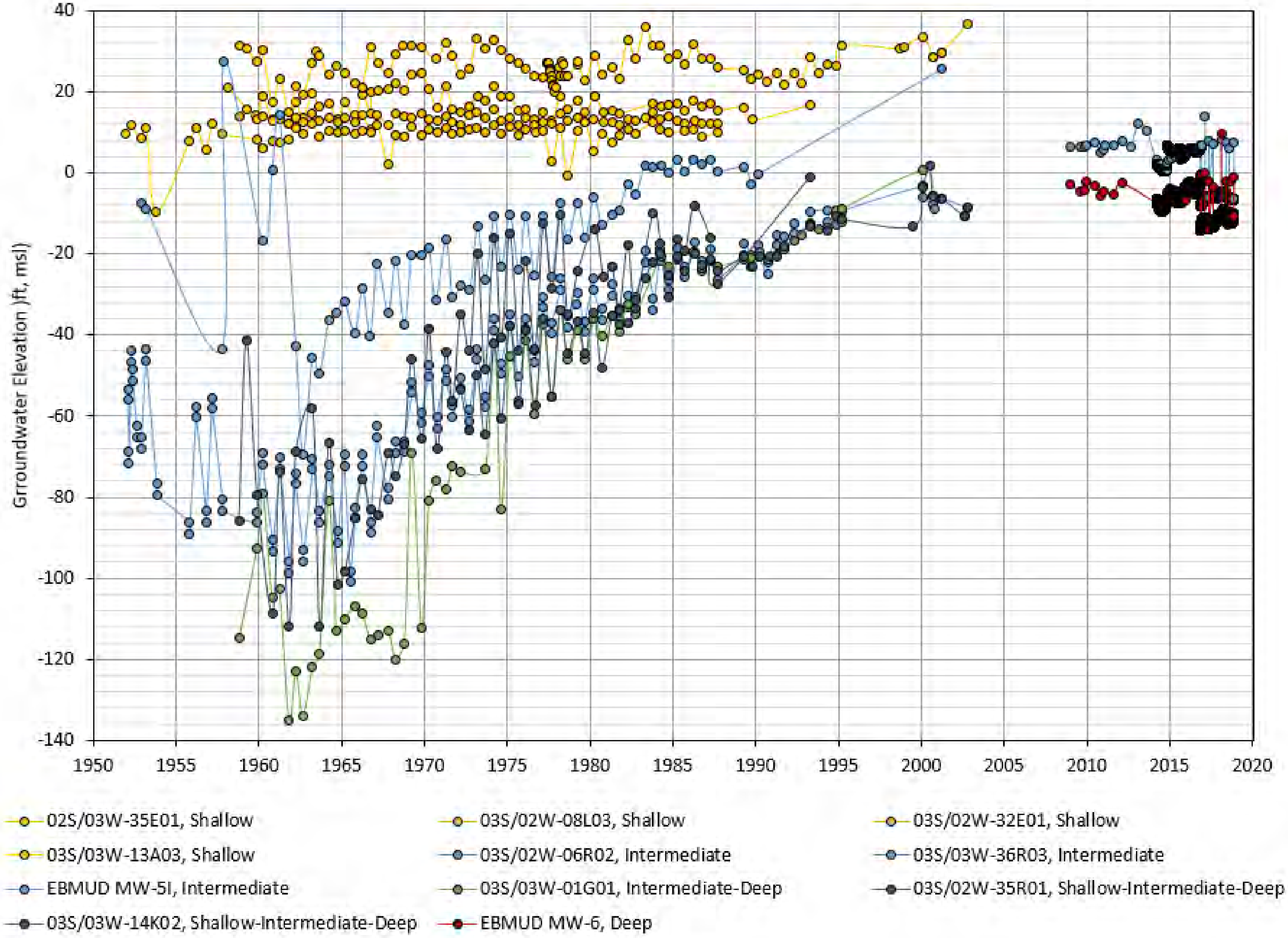
Selected Groundwater Hydrographs for Shallow, Intermediate, and Deep Zones in Southern EBP Subbasin

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-45a



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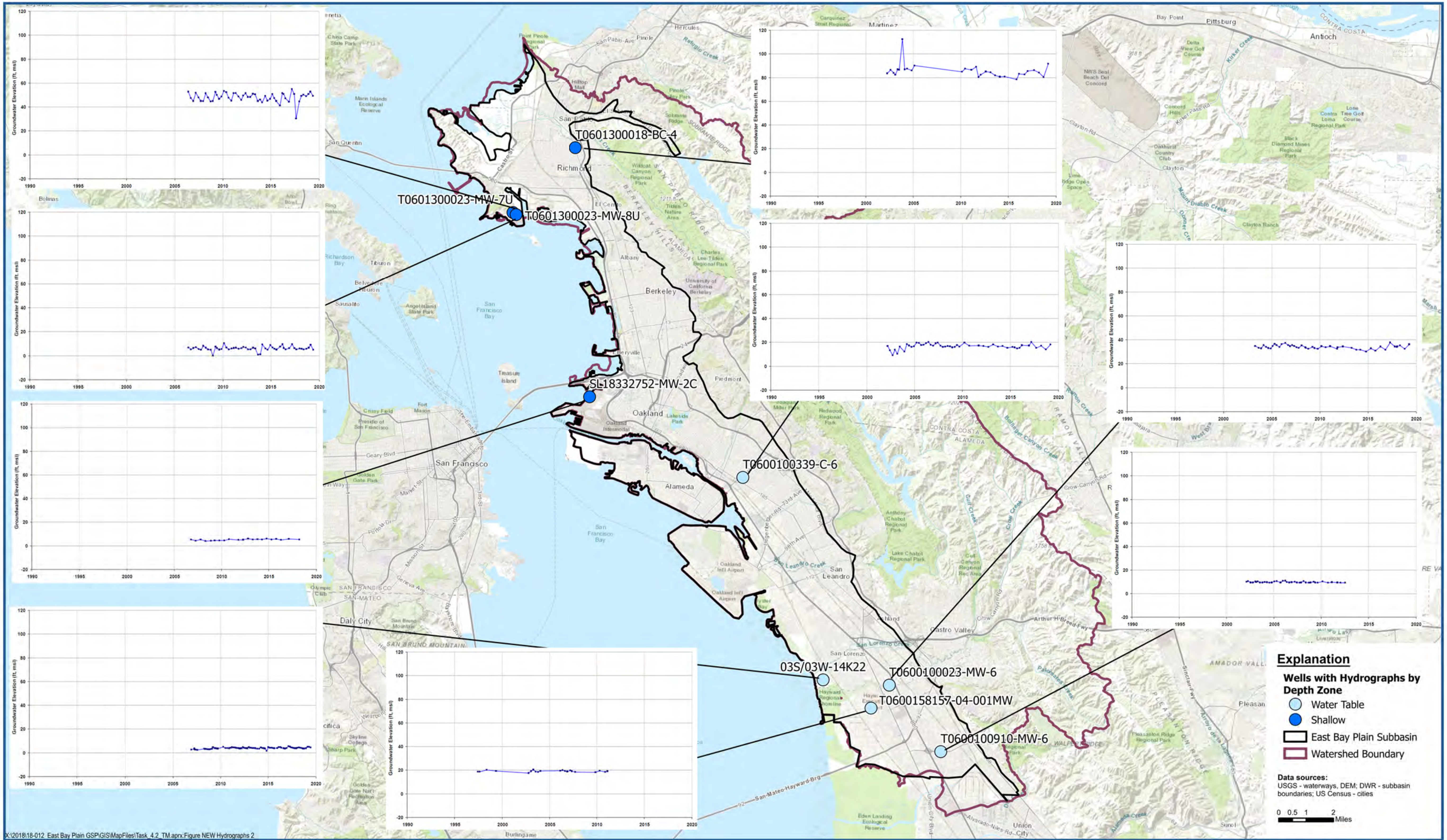
Composite Groundwater Hydrograph for Shallow, Intermediate, and Deep Zones in Southern EBP Subbasin

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-45b



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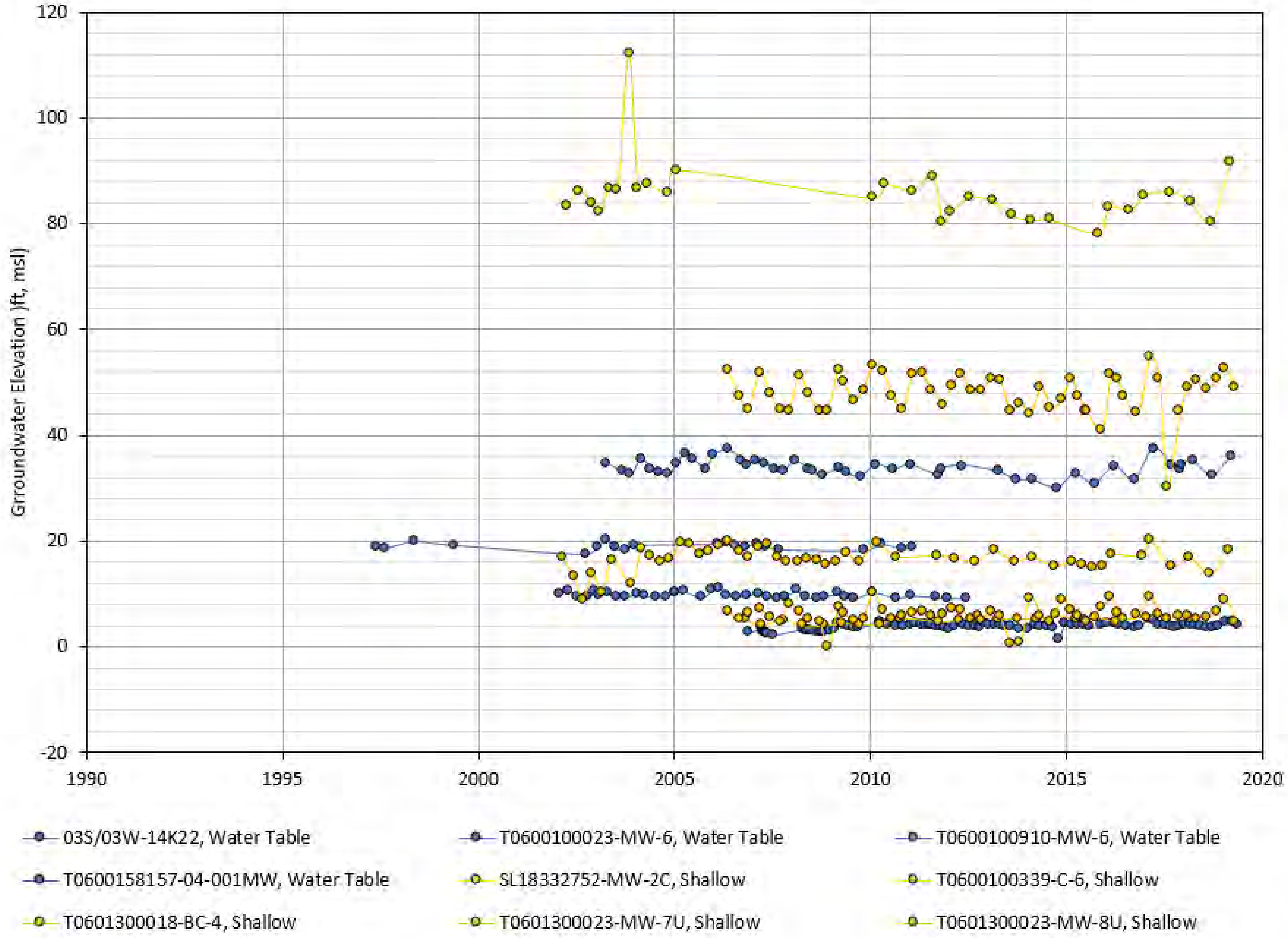
Selected Groundwater Hydrographs for Shallow Zone in EBP Subbasin

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-46a



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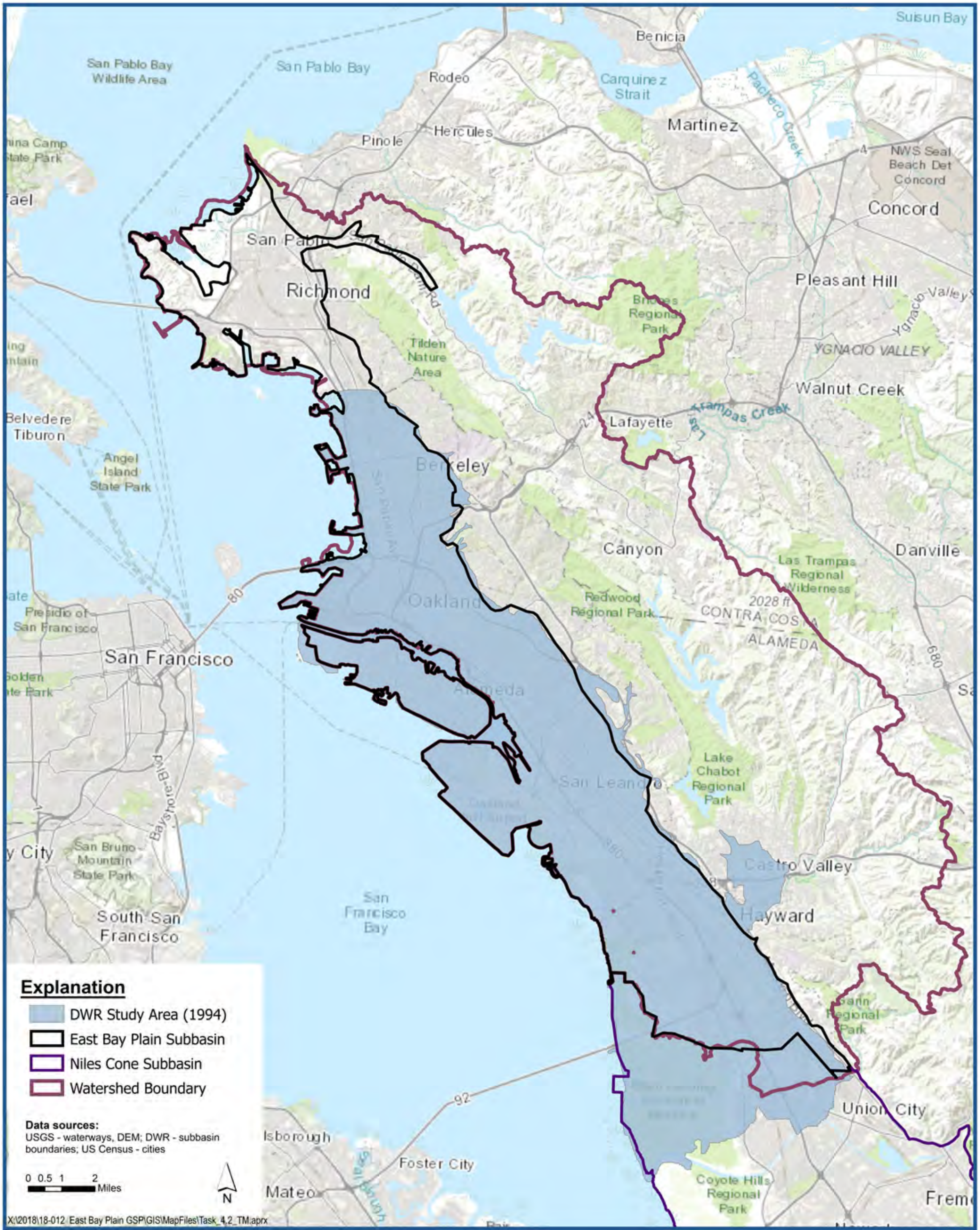
Composite Groundwater Hydrograph for Shallow Zone in EBP Subbasin

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-46b



Comparison of EBP Subbasin Area to DWR Study Area for Groundwater Storage Calculations

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-47

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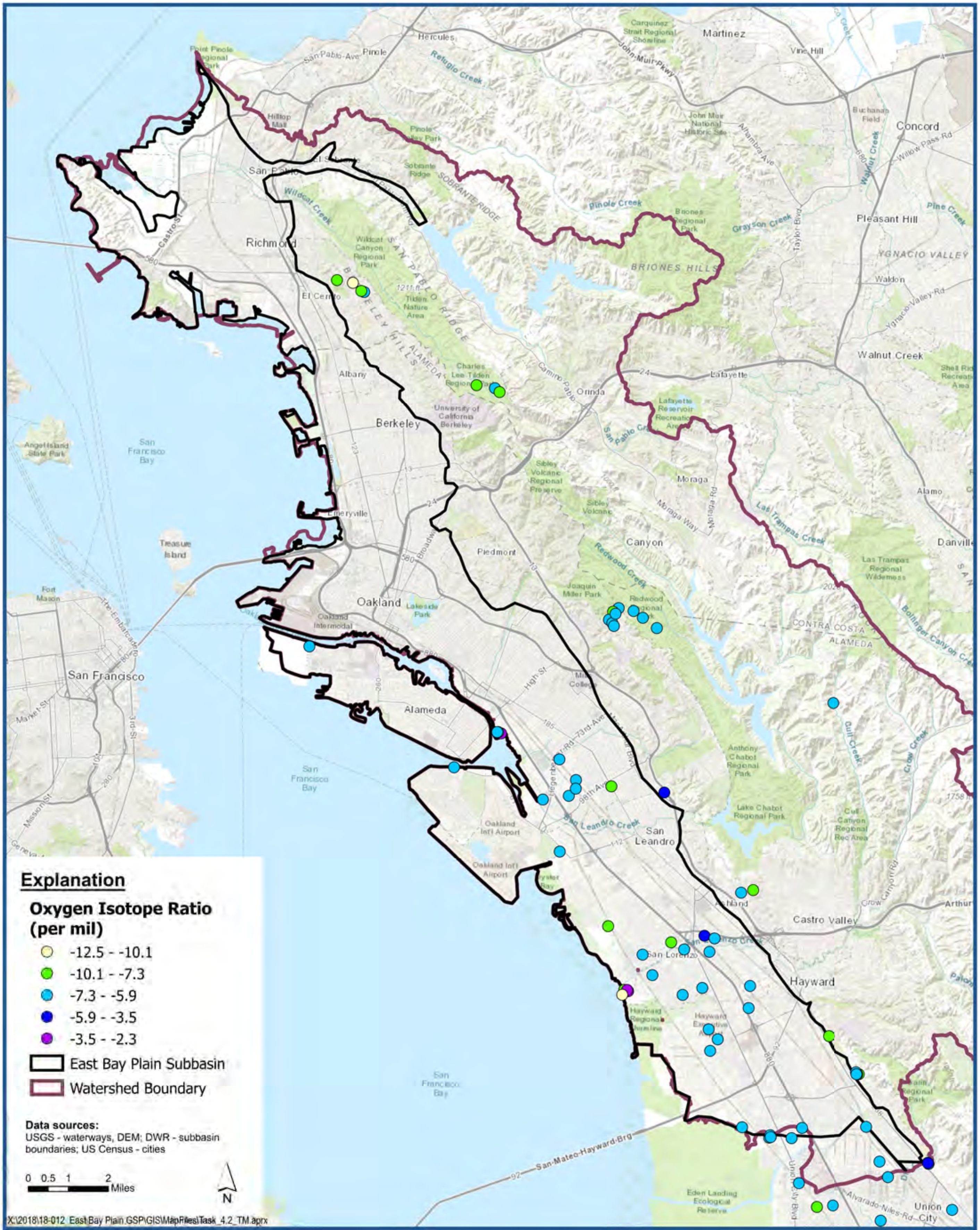

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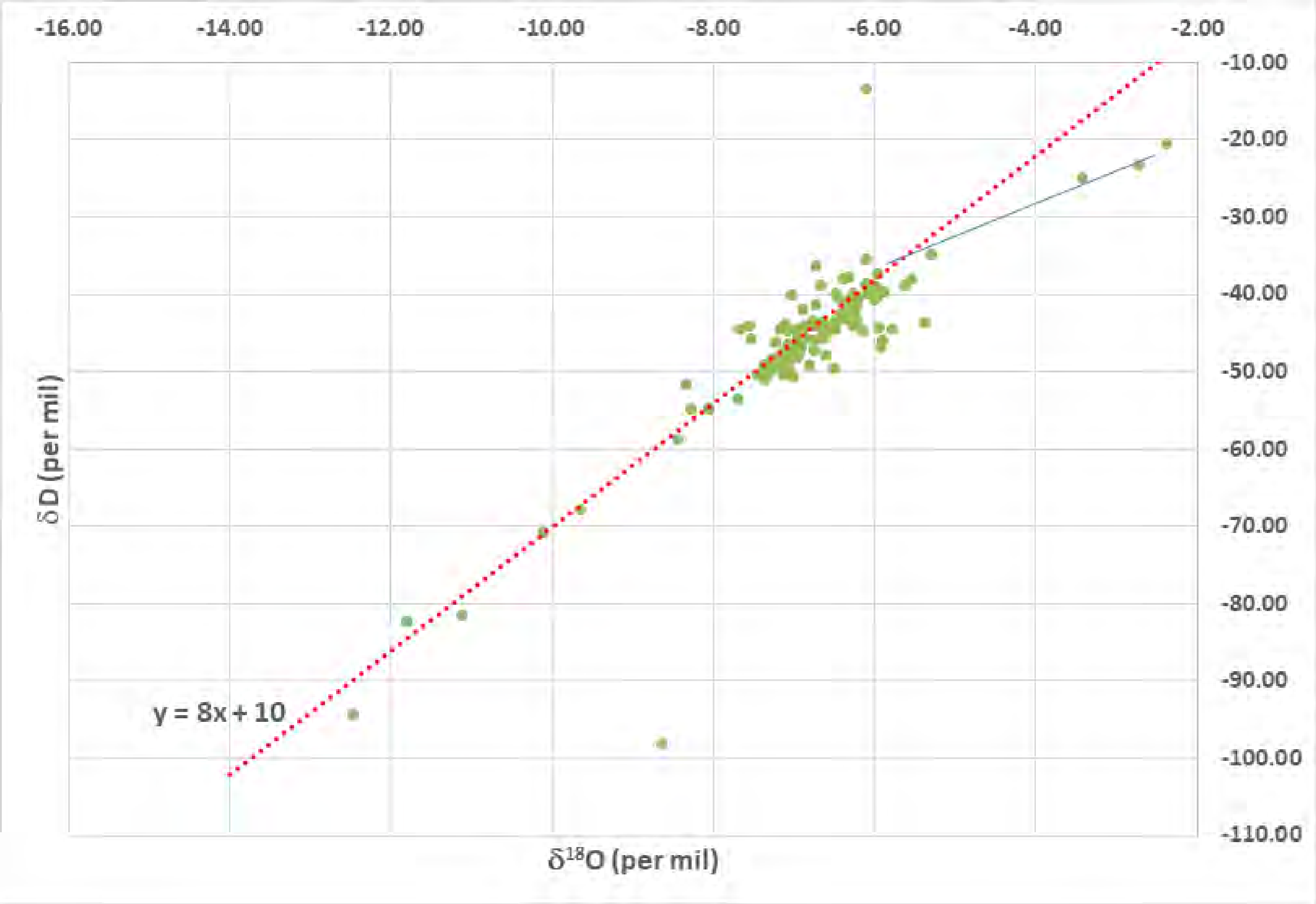
Map of Well and Spring Locations with O18/O16 Results

Figure 5-48

East Bay Plain Subbasin
Groundwater Sustainability Plan



Red line is the Global Meteoric Water Line (GMWL); blue line is an evaporative trend that intersects the GMWL at the original isotopic values.

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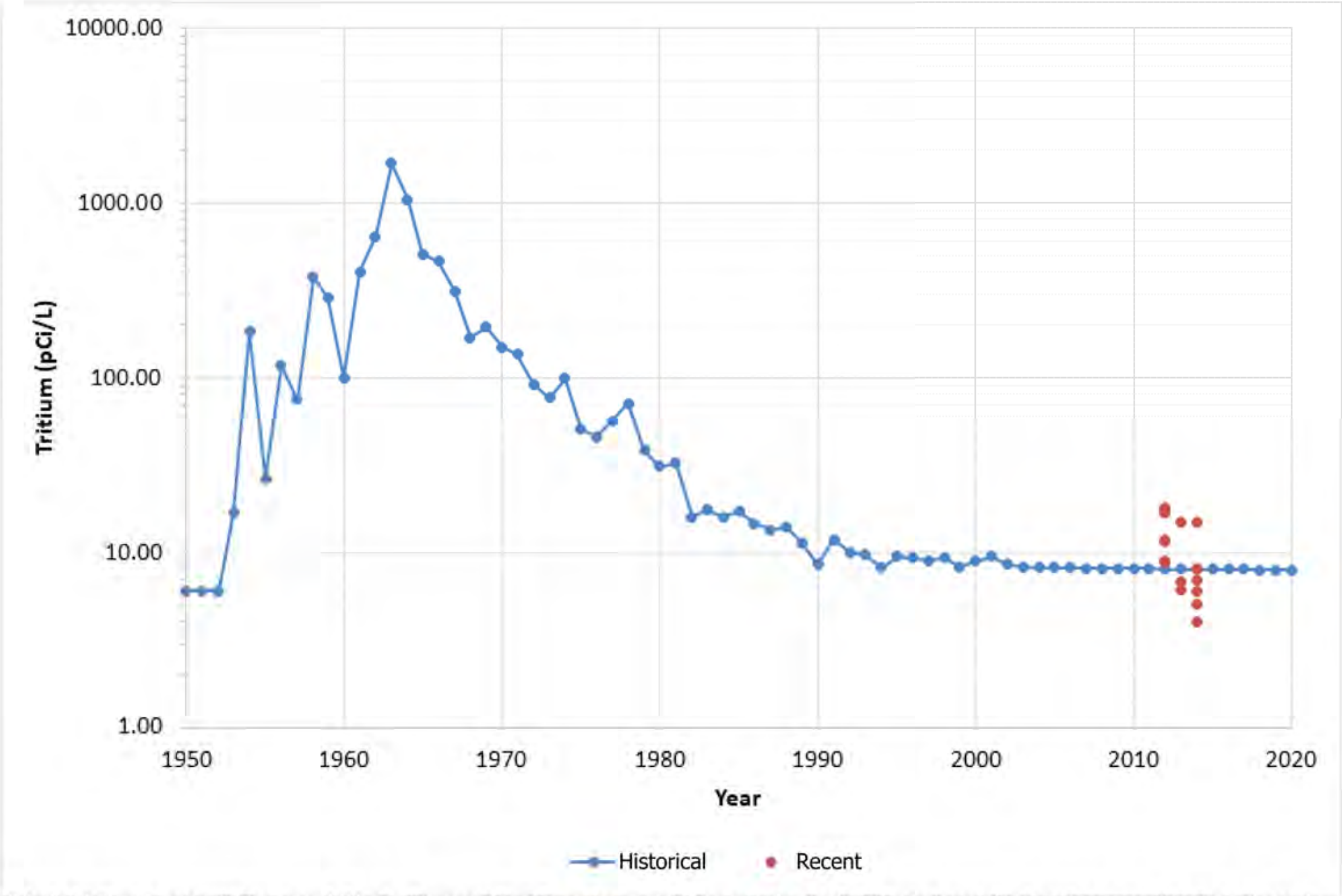
Plot of Stable Isotope Results

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-49



Historical tritium in precipitation record (blue) with recent East Bay area precipitation samples (red). Historical record is based on a combination of records from Menlo Park, California, Portland, Oregon, Ottawa, Canada, and projection by exponential function.

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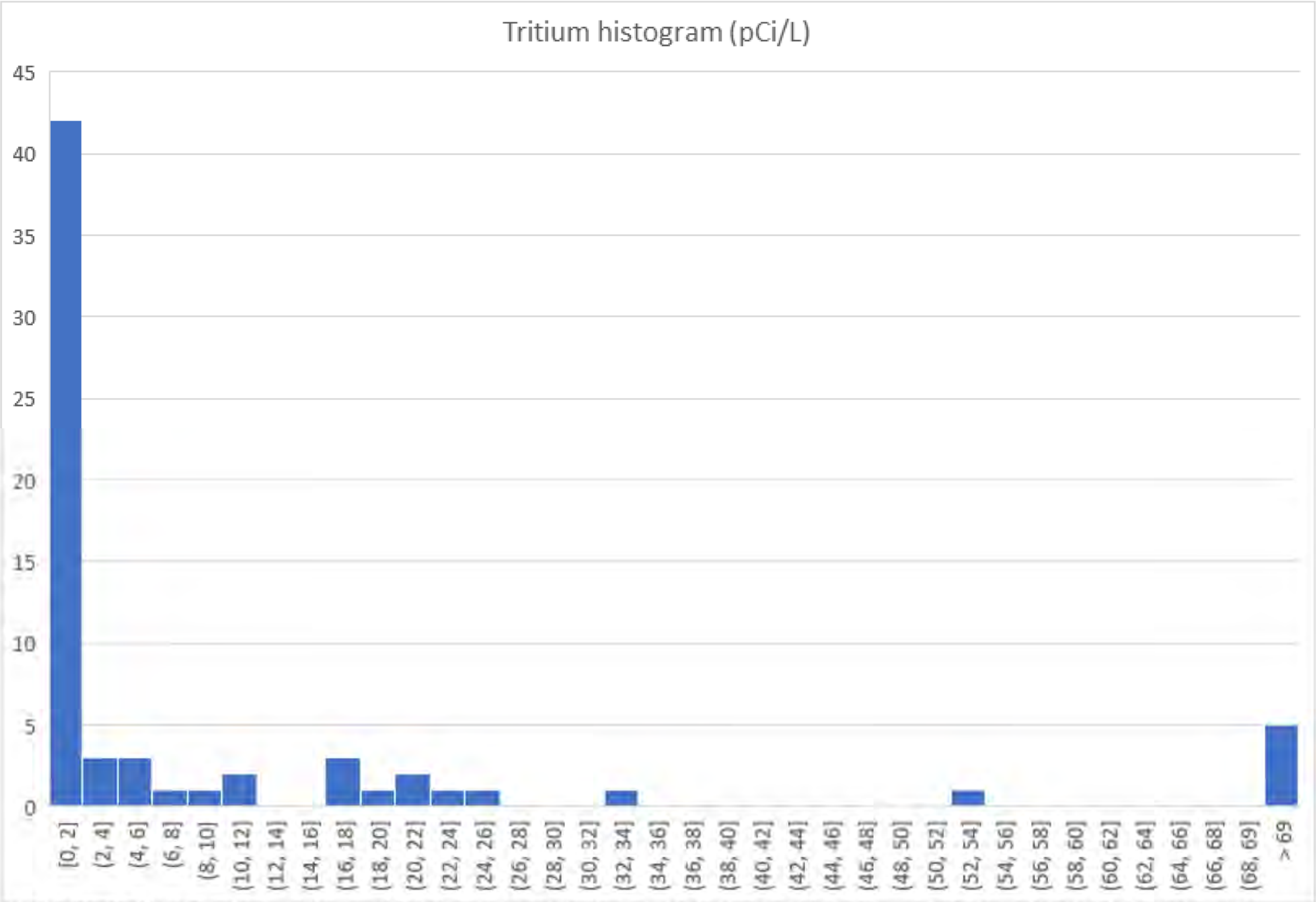
Record of Historical Tritium in Precipitation

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-50



The dominance of 'old' groundwater (tritium < 2 pCi/L) is notable, as is the presence of some very high activities in the nested Rowland and Kraftile wells in Niles Cone Subbasin near the southern boundary of the EBP Subbasin.

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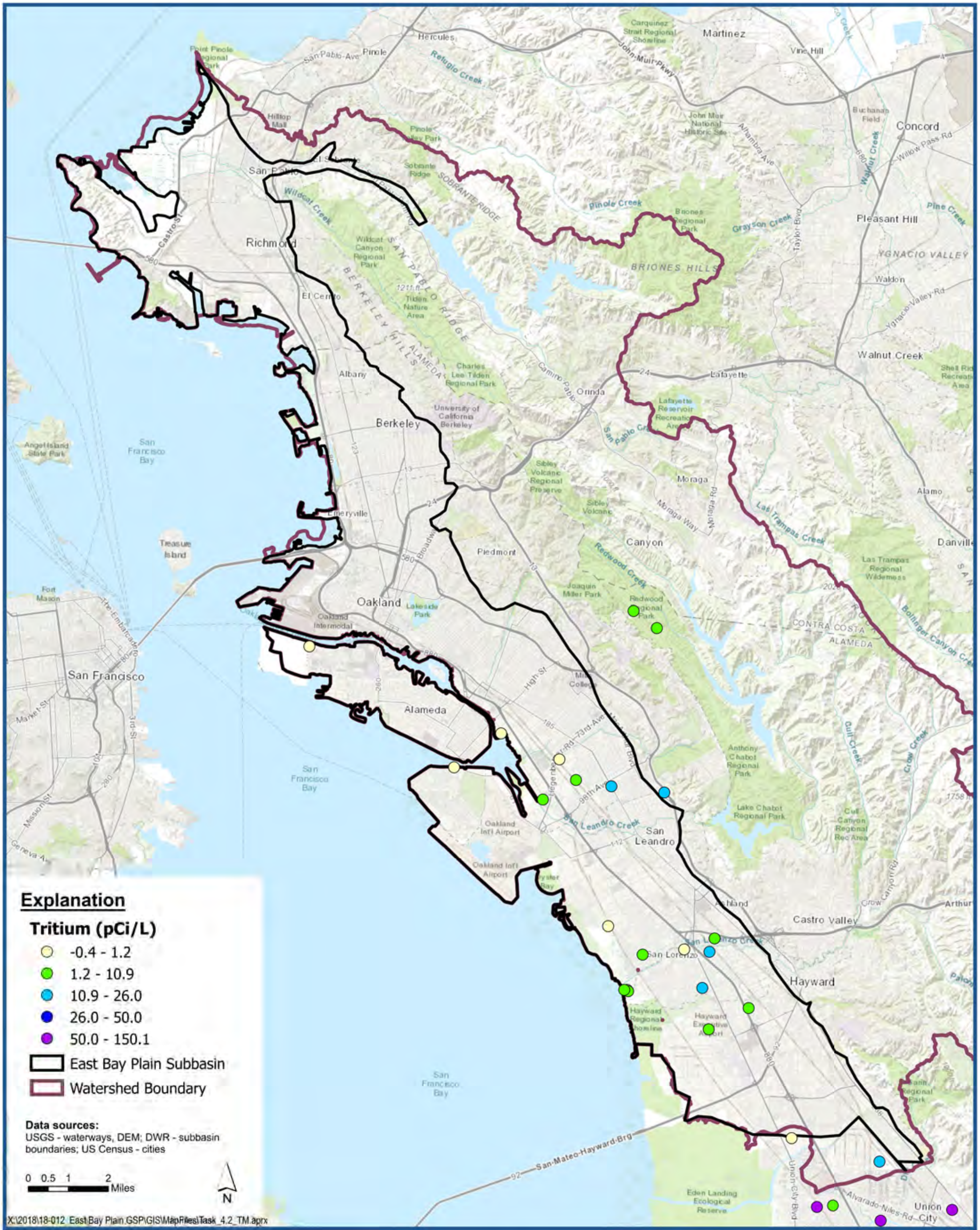
Histogram of Tritium Activity Results for Well and Spring Samples

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-51



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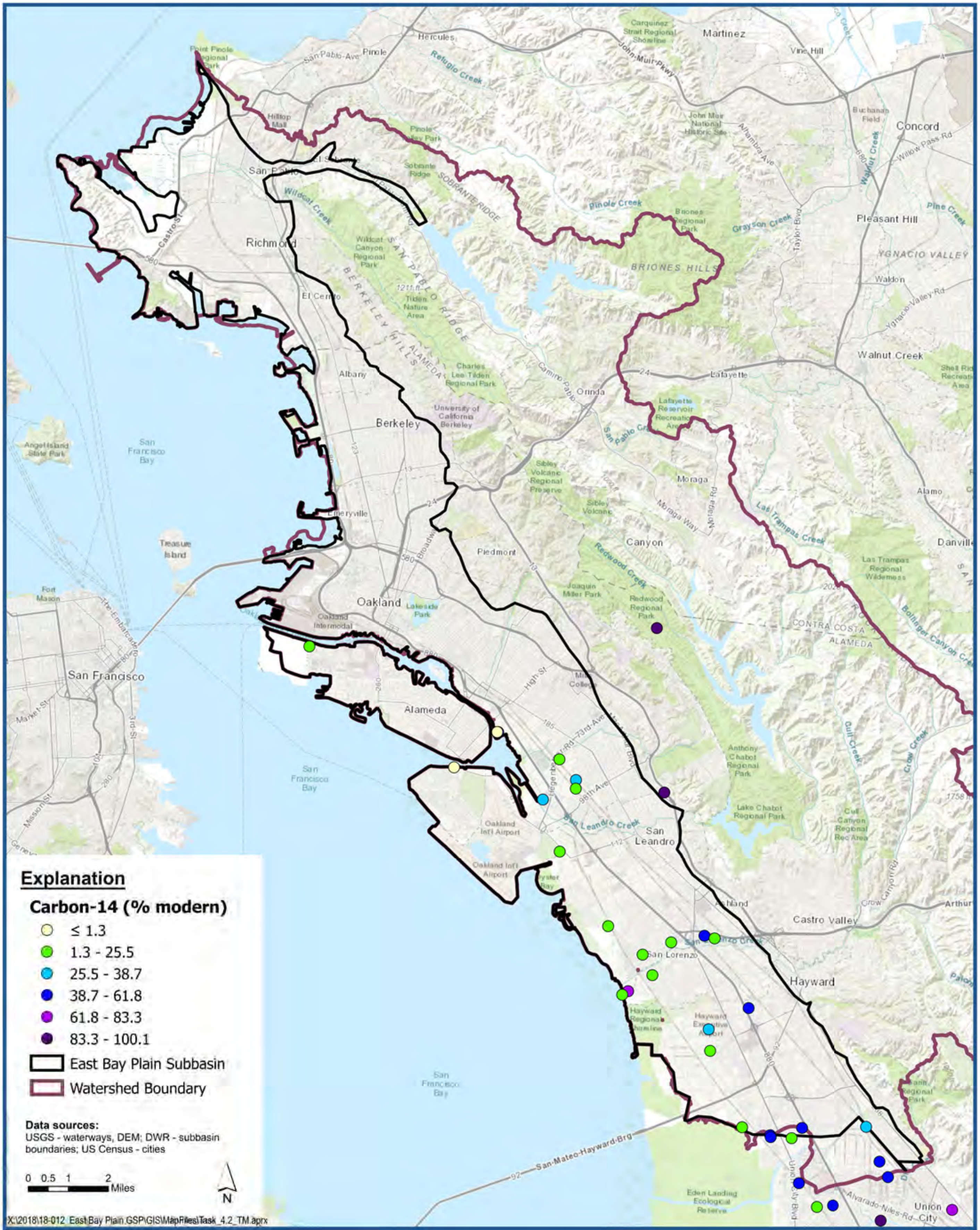
Map of Tritium Results

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-52



Map of Carbon-14 Results for Well Locations

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-53

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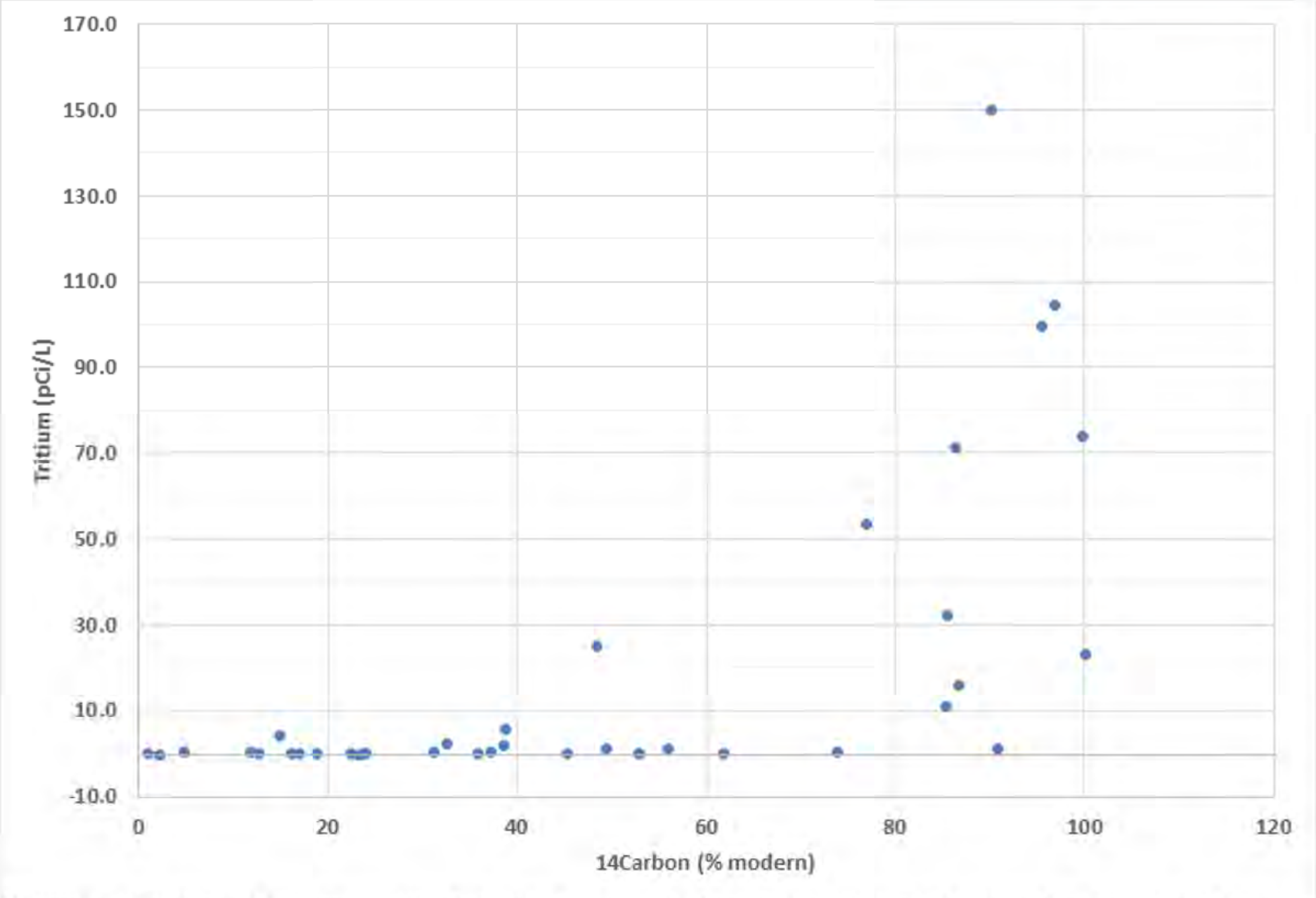

Old groundwater manifests as both low tritium and low Carbon-14 activity, with only a few wells showing higher activities that indicate more recent recharge.

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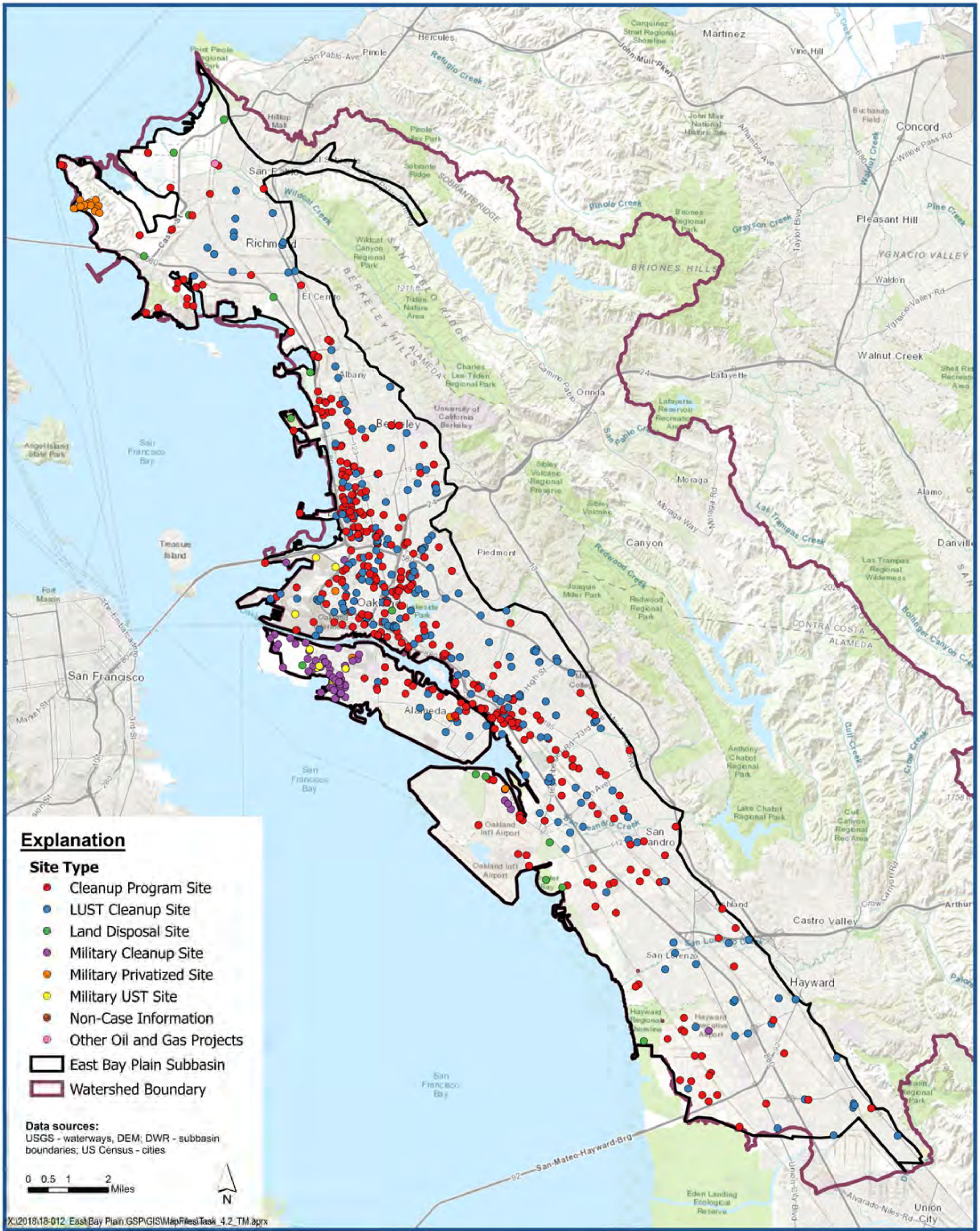
Plot of Tritium and Carbon-14 Results

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-54



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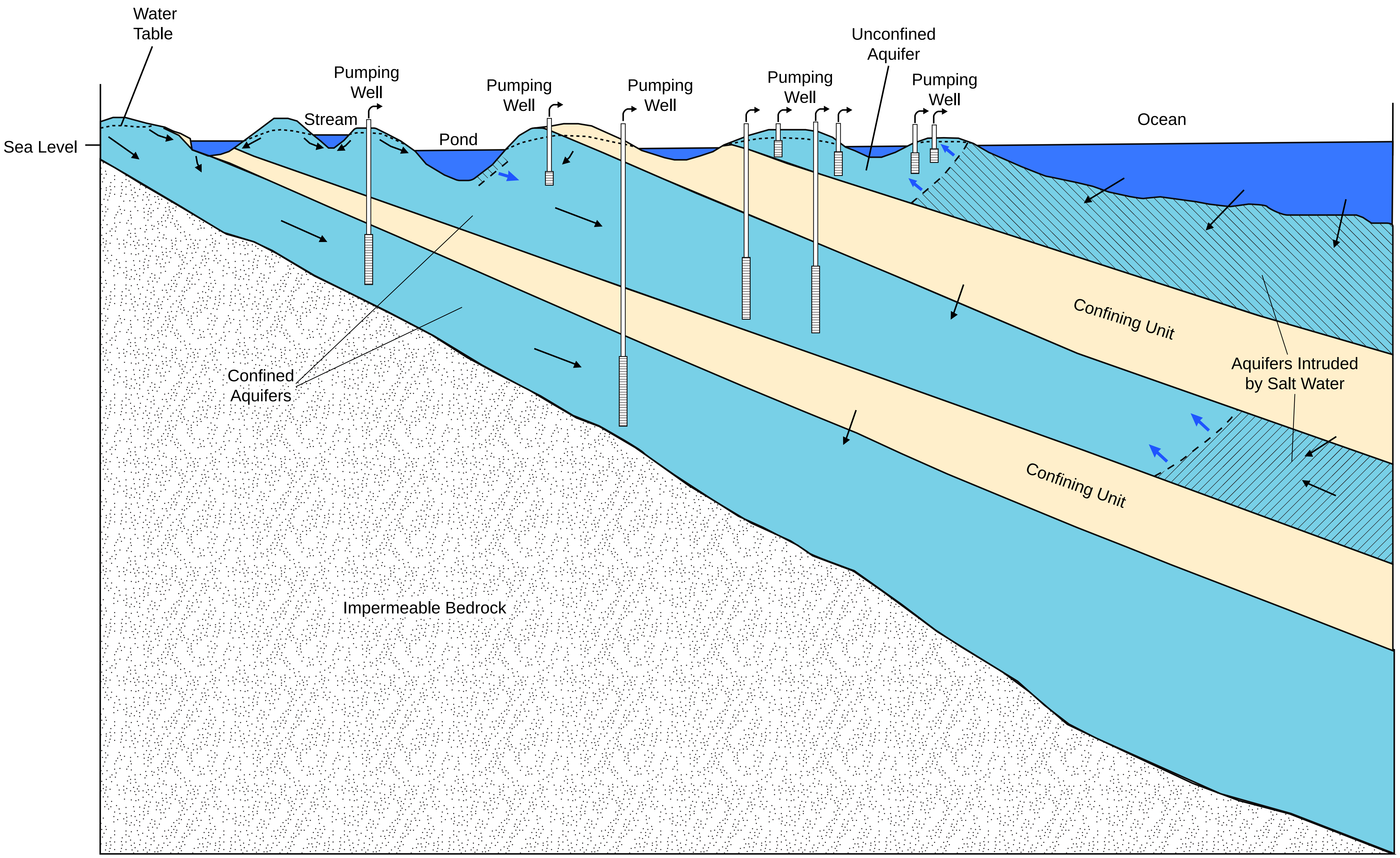
Map of Environmental Site Locations

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-55



Notes:
- This figure illustrates the concept of salt water intrusion (SWI) into aquifers in a coastal margin setting, but is not intended to represent the East Bay Plain.
- In this example, the shallow aquifer has a good hydraulic connection to the ocean, so the inward gradient driven by pumping causes salt water intrusion.
- Intervening confining units (aquitards) reduce the hydraulic connection between the deeper aquifers and the ocean and shallow aquifer and reduce the possibility of salt water. Consequently the deeper aquifers are less susceptible to salt water intrusion.
- Adapted from Barlow, 2003, USGS Circular 1262 pubs.usgs.gov/circ/2003/circ1262/

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Example Conceptual Cross-Section of Salt Water Intrusion of Coastal Margin Aquifers

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-56

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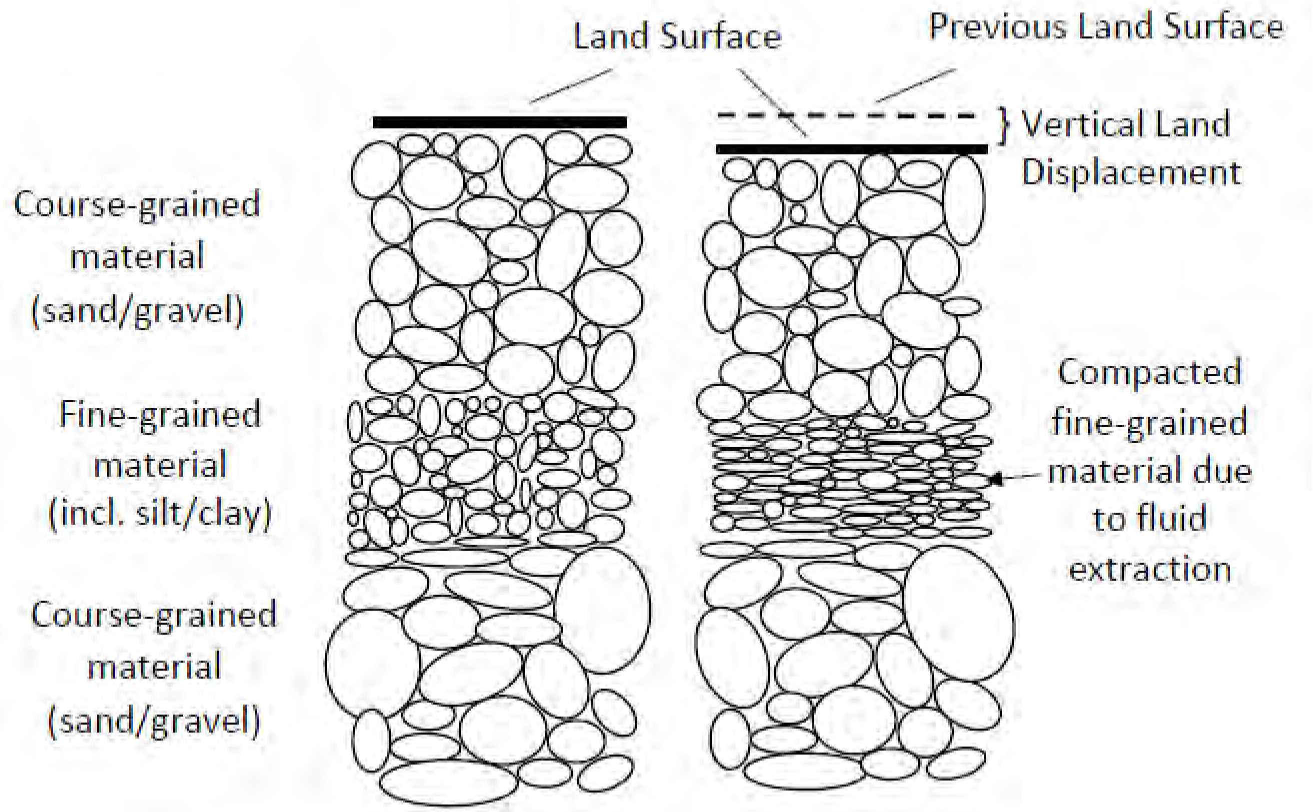

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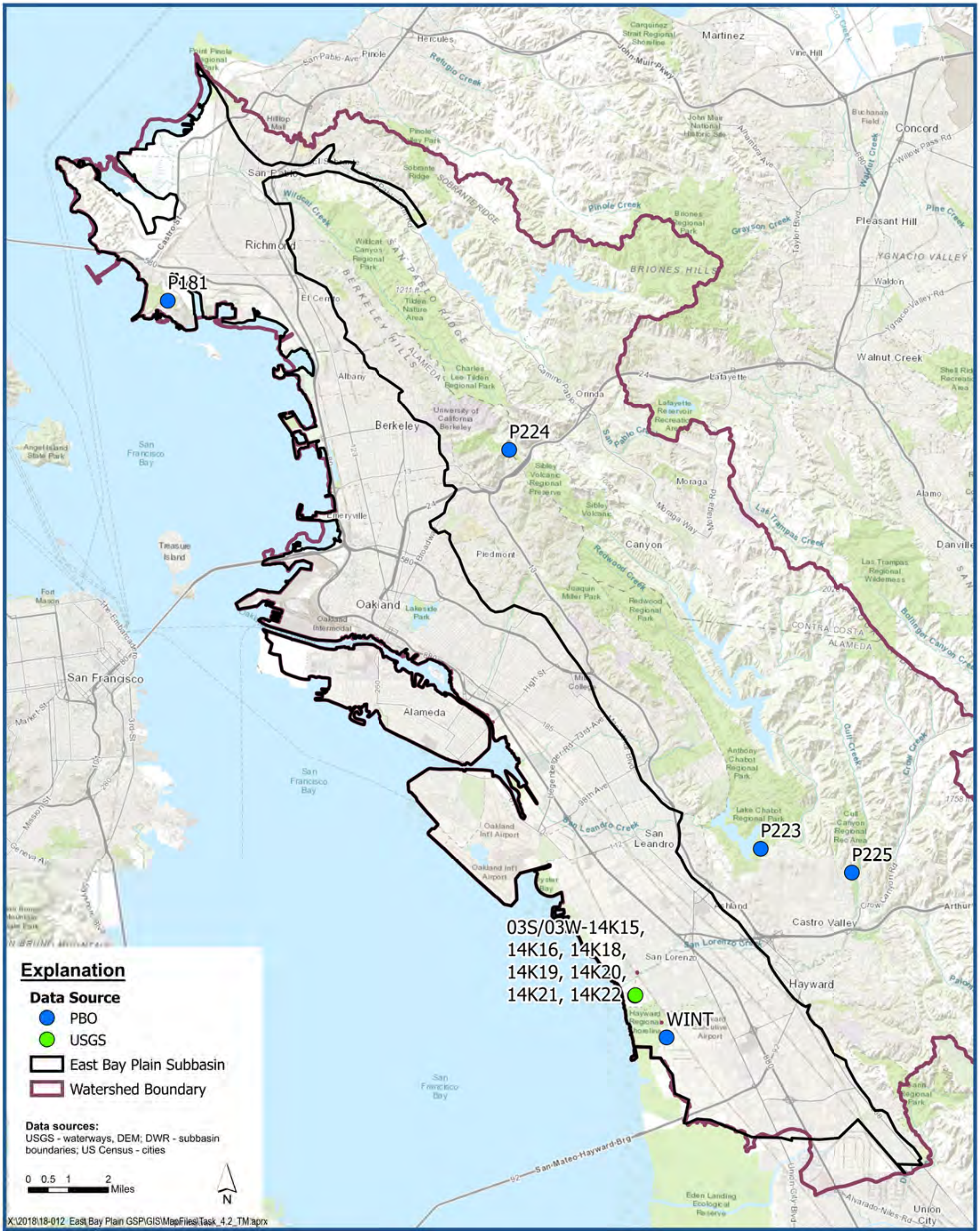
Compaction Diagram

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-57



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Map of Sites with Subsidence Data

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-58

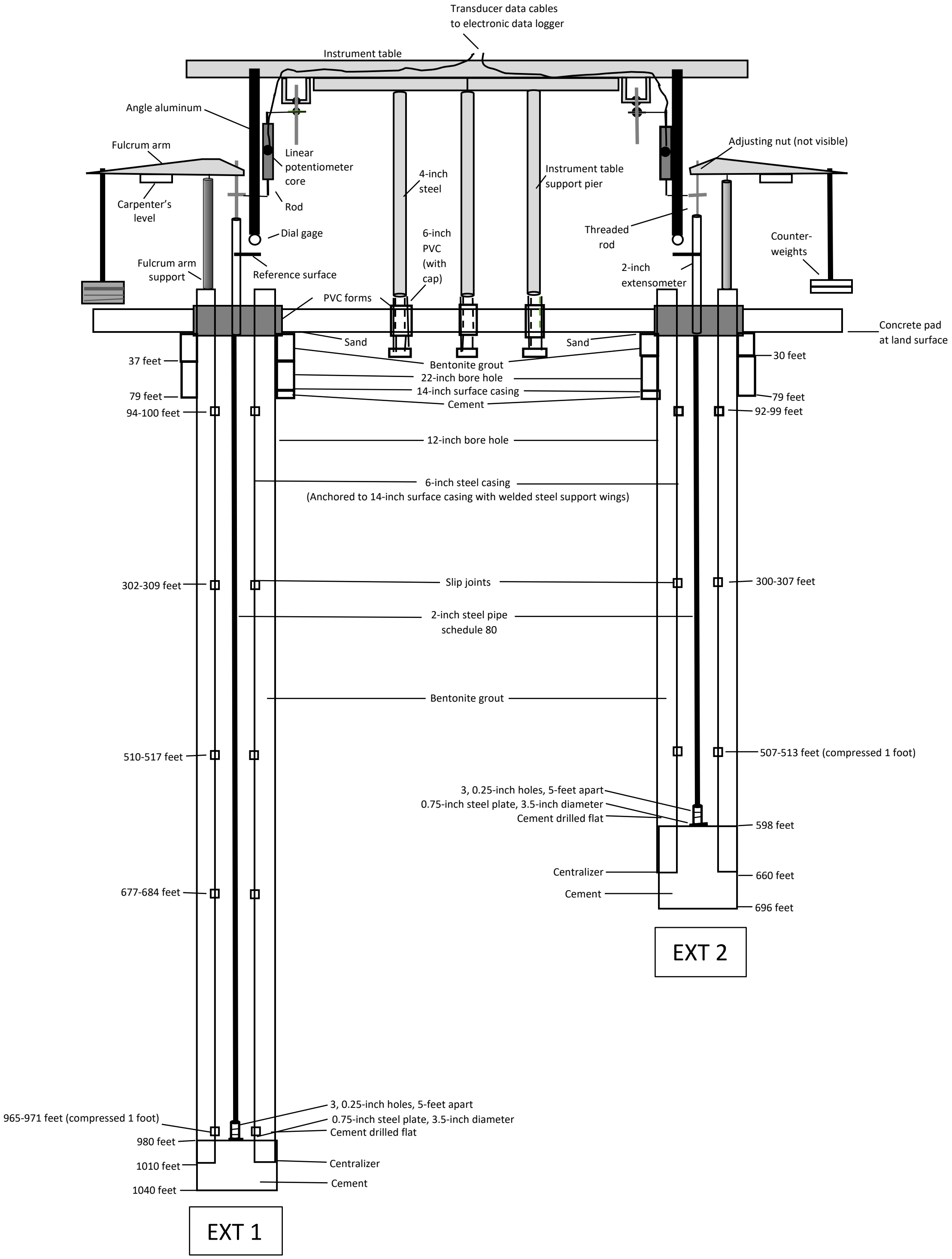

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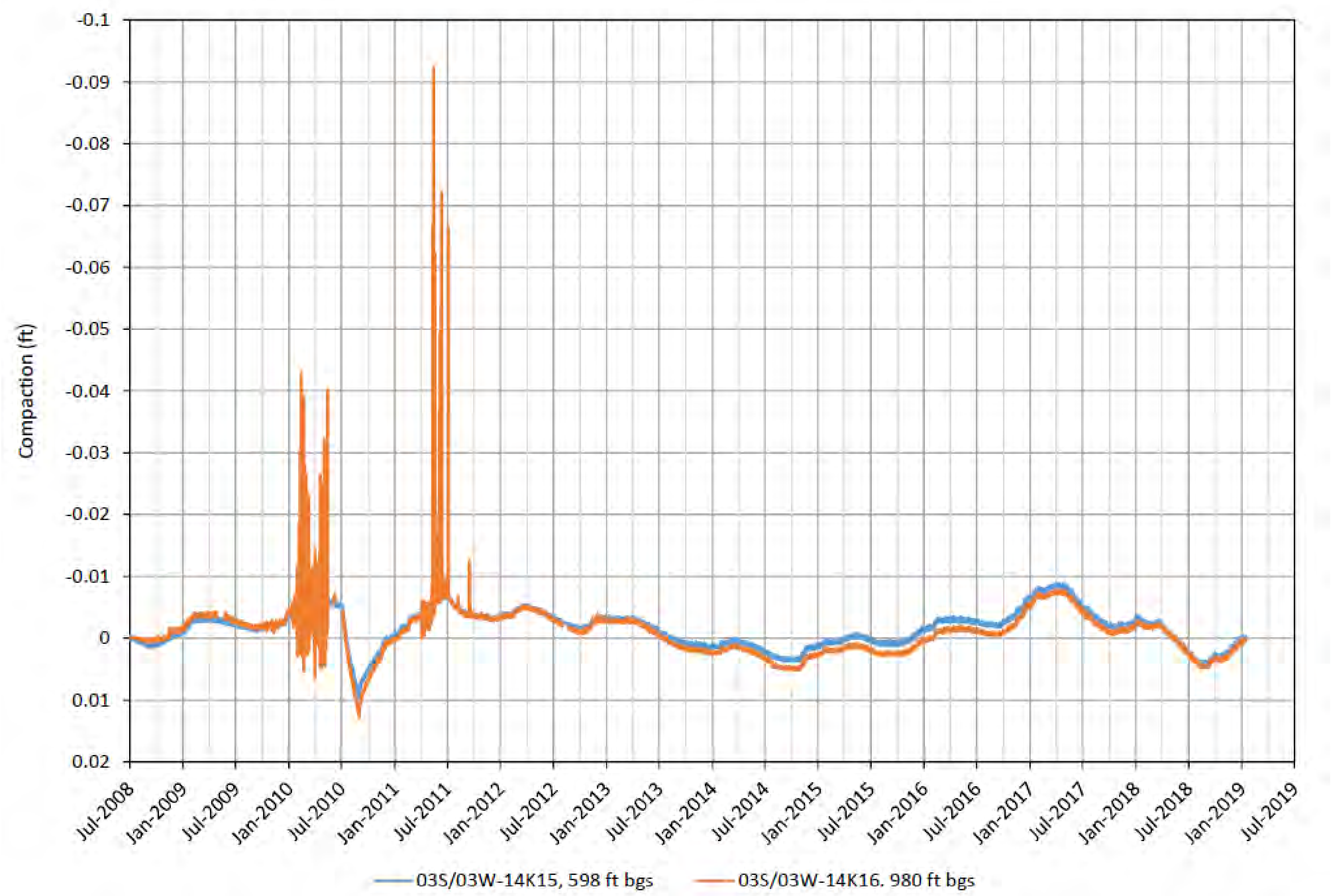
Diagram of USGS Extensometer

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-59



Positive values indicate net compaction, negative values indicate net expansion.

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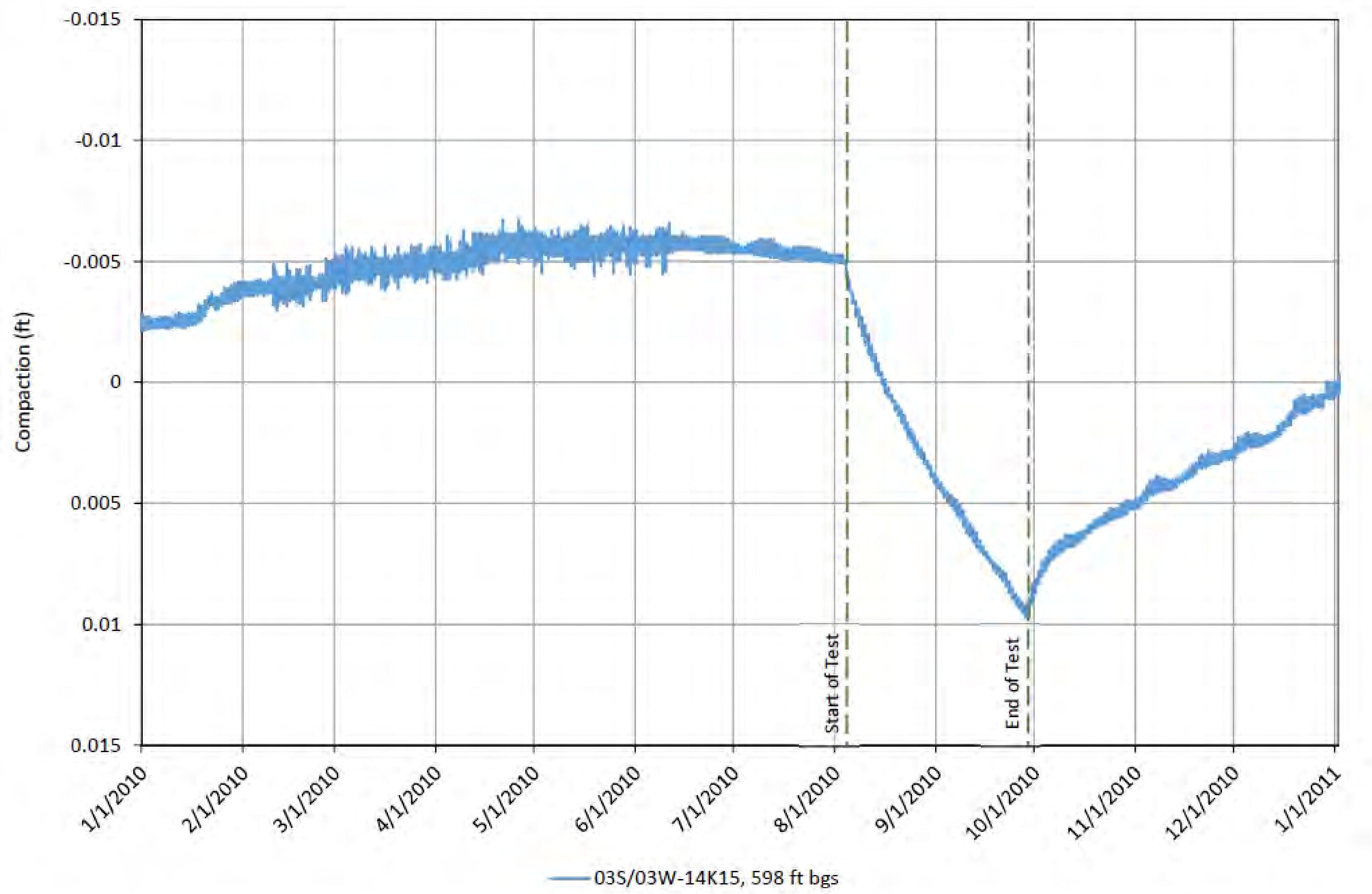
USGS Extensometer Data - Period of Record

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-60a



Positive values indicate net compaction, negative values indicate net expansion.

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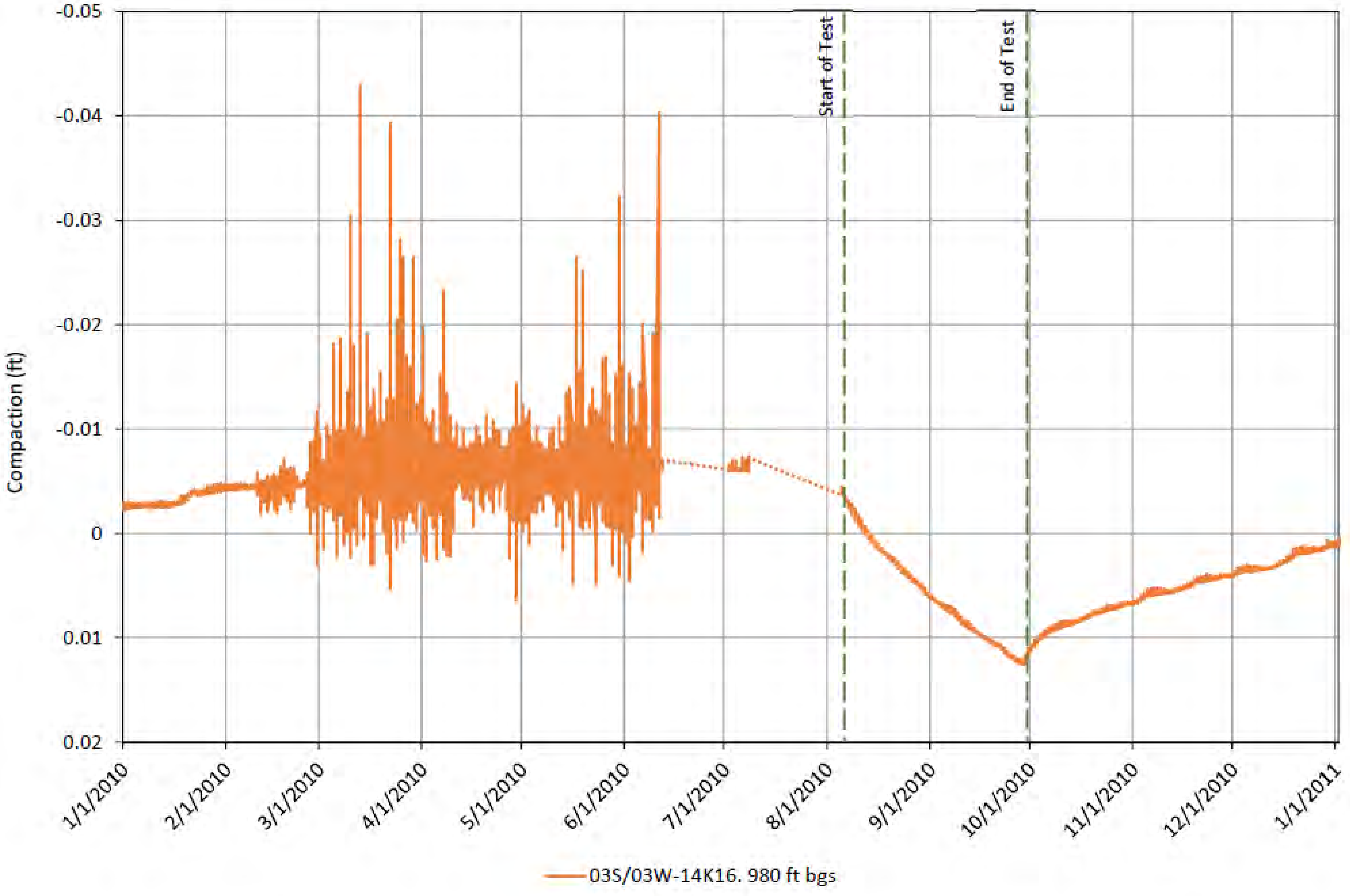
USGS Extensometer Record during 2010 Calendar Year with 8-week Aquifer Test (August 4, 2010 - September 29, 2010)

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-60b



Positive values indicate net compaction, negative values indicate net expansion.

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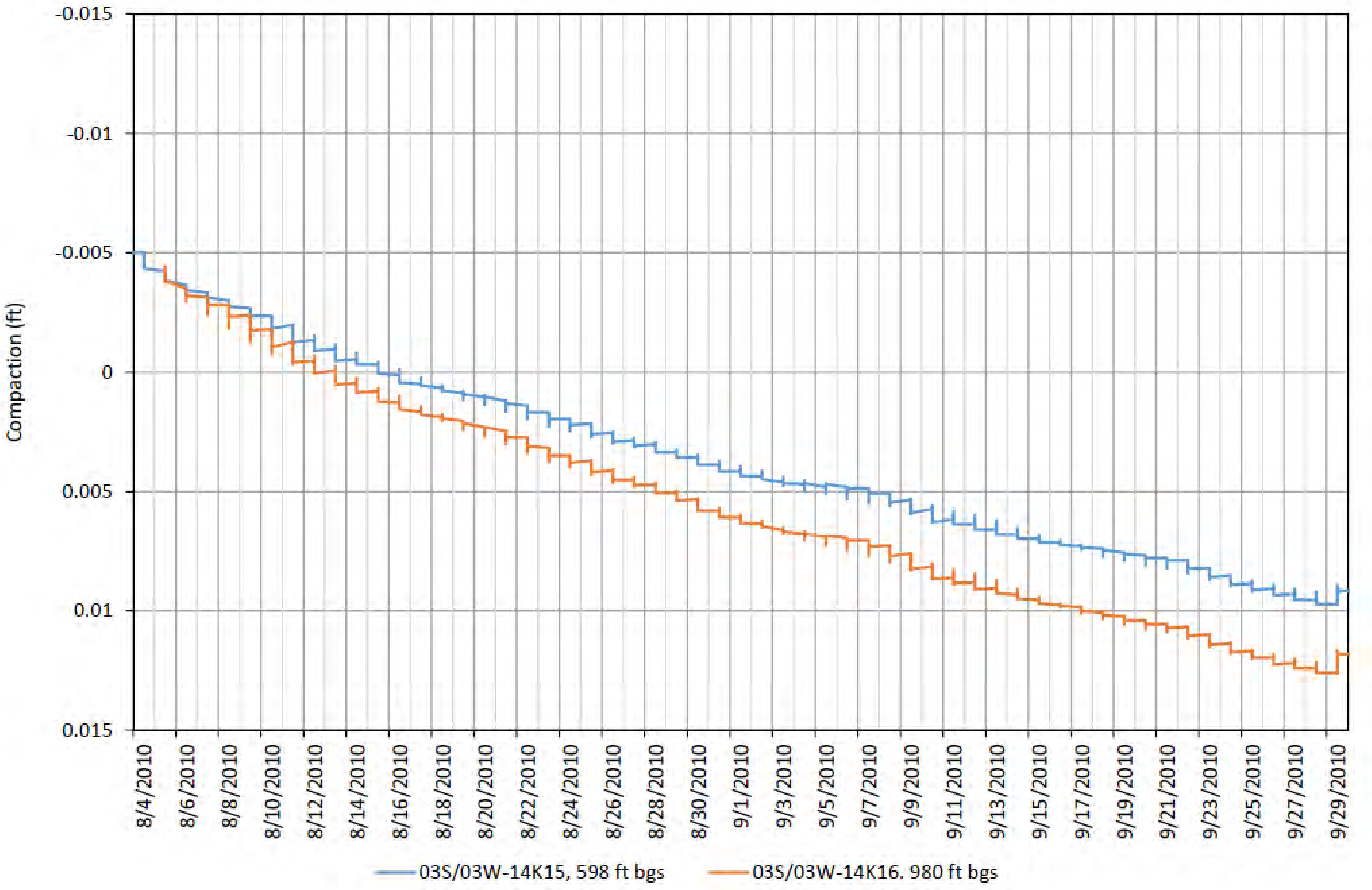
USGS Extensometer Record during 2010 Calendar Year with 8-week Aquifer Test (August 4, 2010 - September 29, 2010)

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-60c



Positive values indicate net compaction, negative values indicate net expansion.

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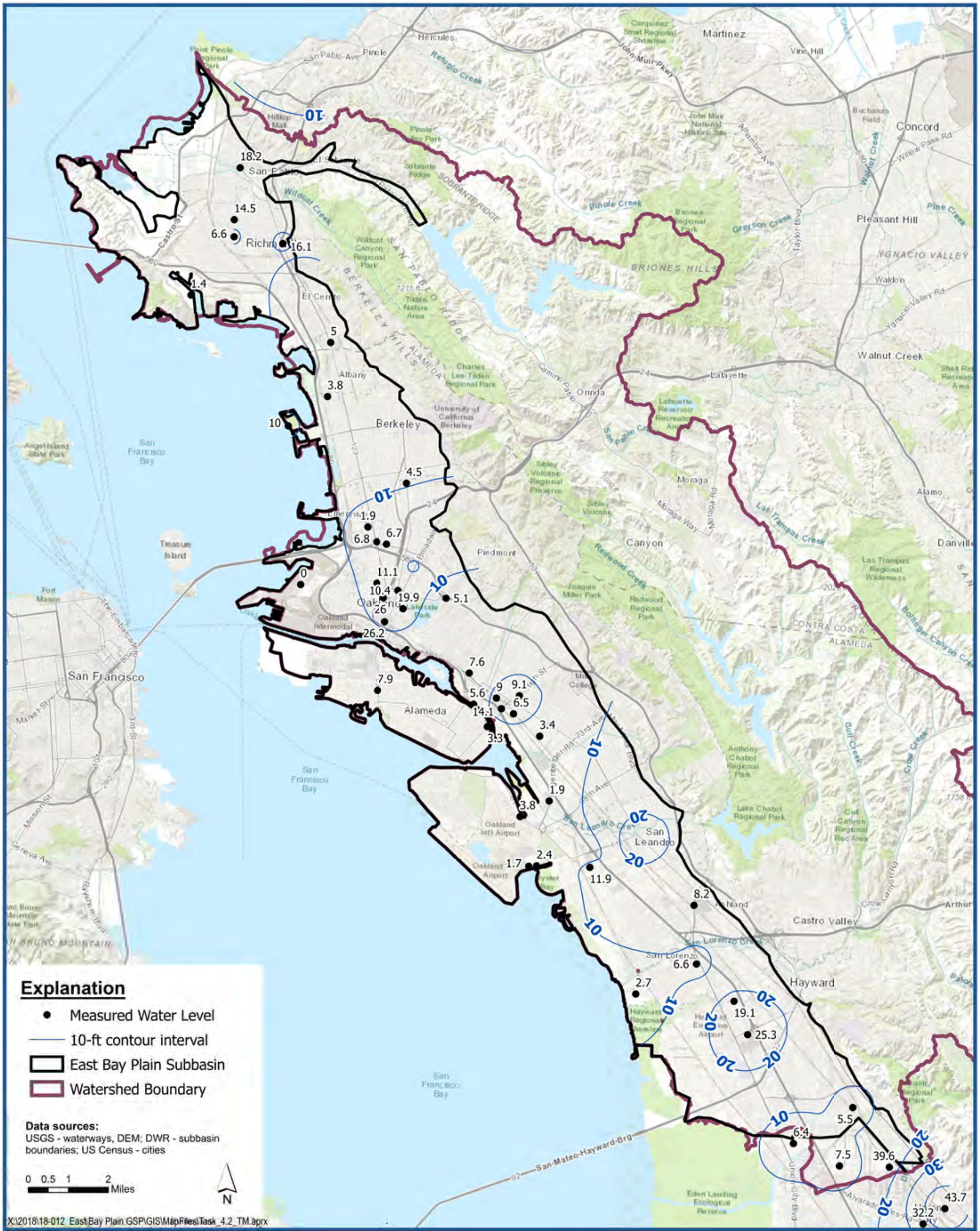
USGS Extensometer Record during 8-week Aquifer Test
August 4, 2010 - September 29, 2010

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-60d



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Map of Depth to Water Table – Fall 2014

East Bay Plain Subbasin
Groundwater Sustainability Plan

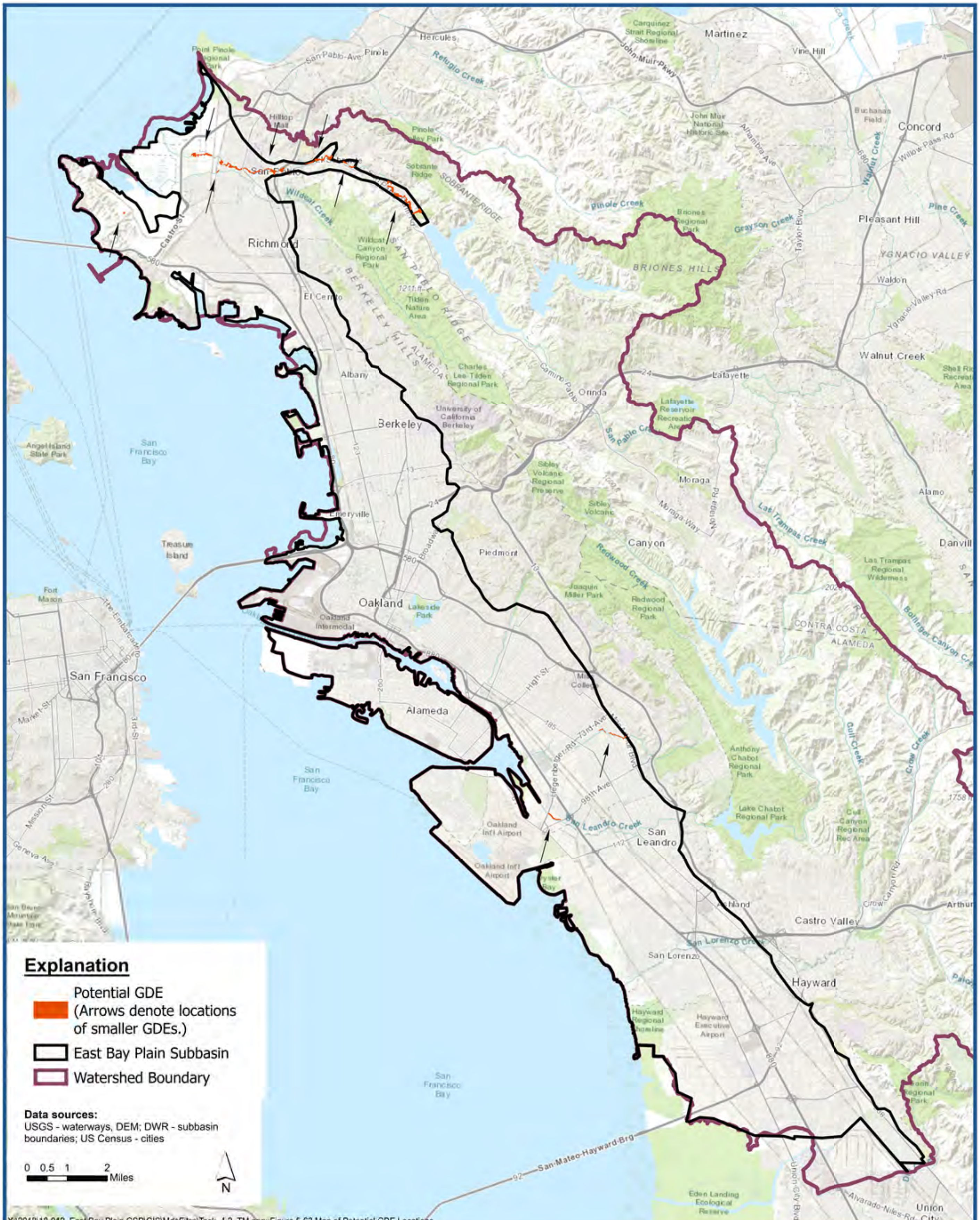
Figure 5-61

LSCE TEAM

Map of Depth to Water Table – Spring 2015

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 5-62



X:\2018\18-012_East Bay Plain GSP\GIS\MapFiles\Task_4.2_TM.aprx:Figure 5-63 Map of Potential GDE Locations

Luhdorff & Scalmanini
Consulting Engineers

Map of Potential Groundwater Dependent Ecosystem (GDE) Locations

Groundwater Sustainability Plan
EBMUD/East Bay Plain Subbasin

Figure 5-63

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Map Showing Lining of Stream Channels

East Bay Plain Subbasin
Groundwater Sustainability Plan

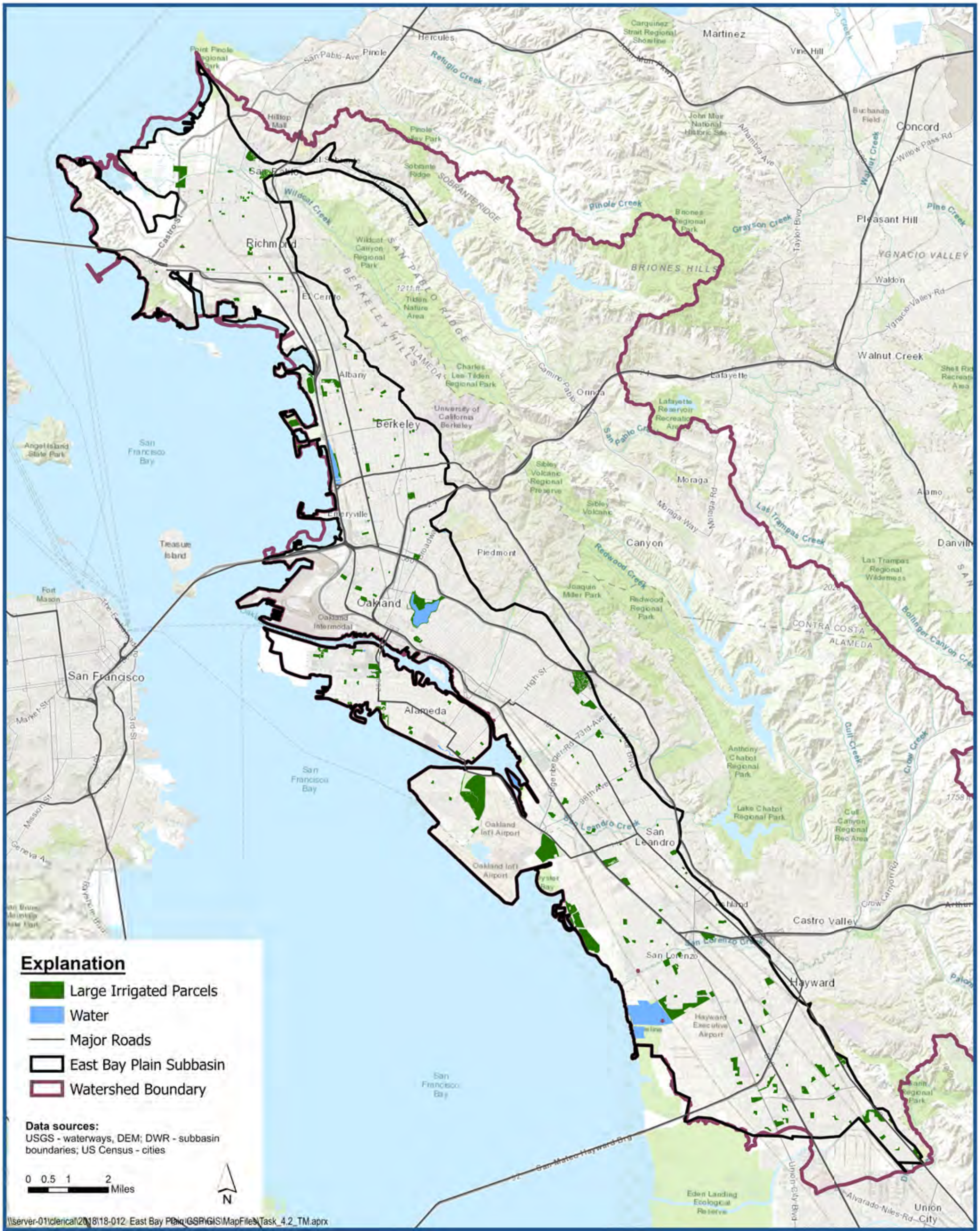
Figure 6-1

LSCE TEAM

Locations of Precipitation Stations with Departure from Mean Plots

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 6-2

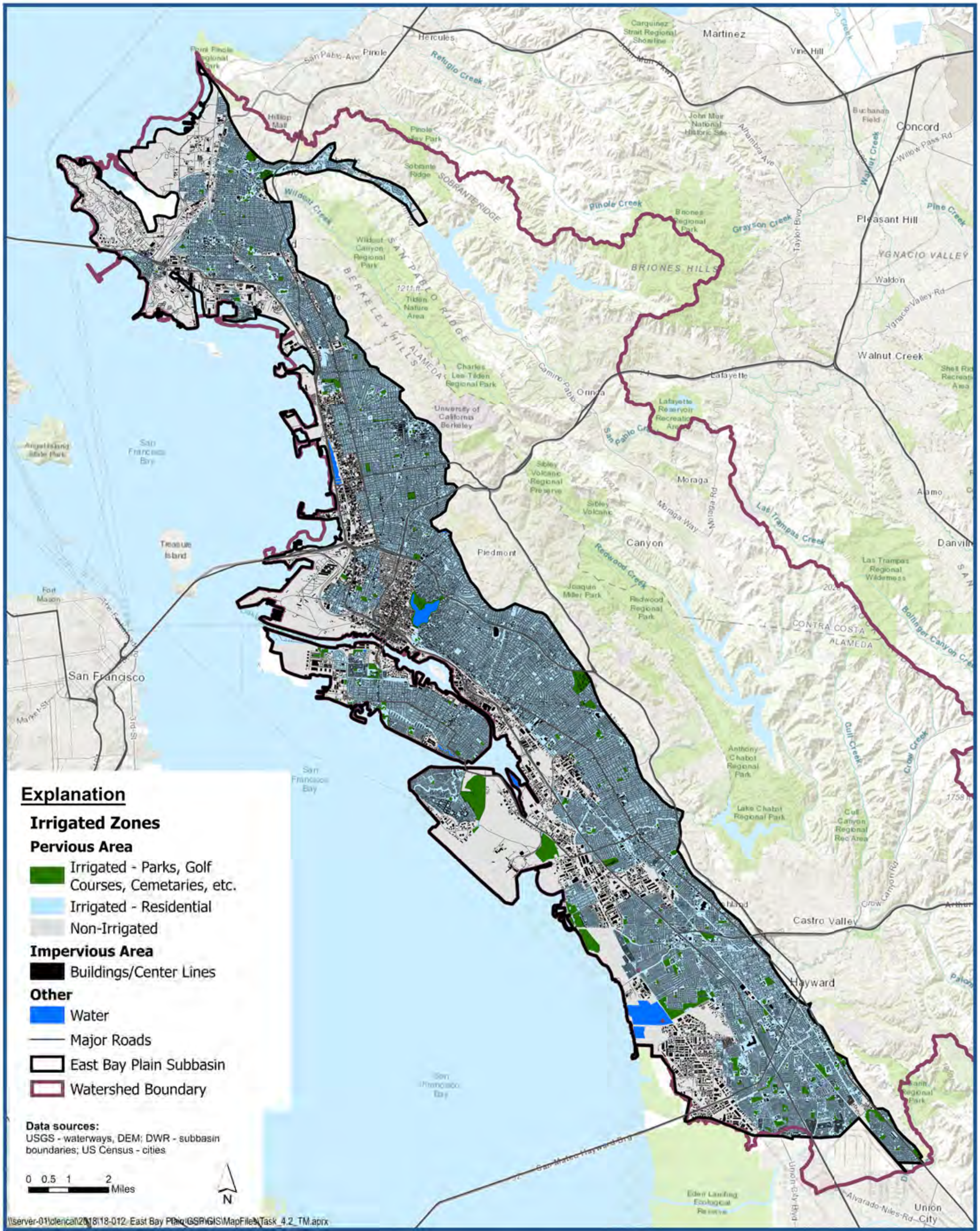


LSCE TEAM

Locations of Large Irrigated Parcels

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 6-3

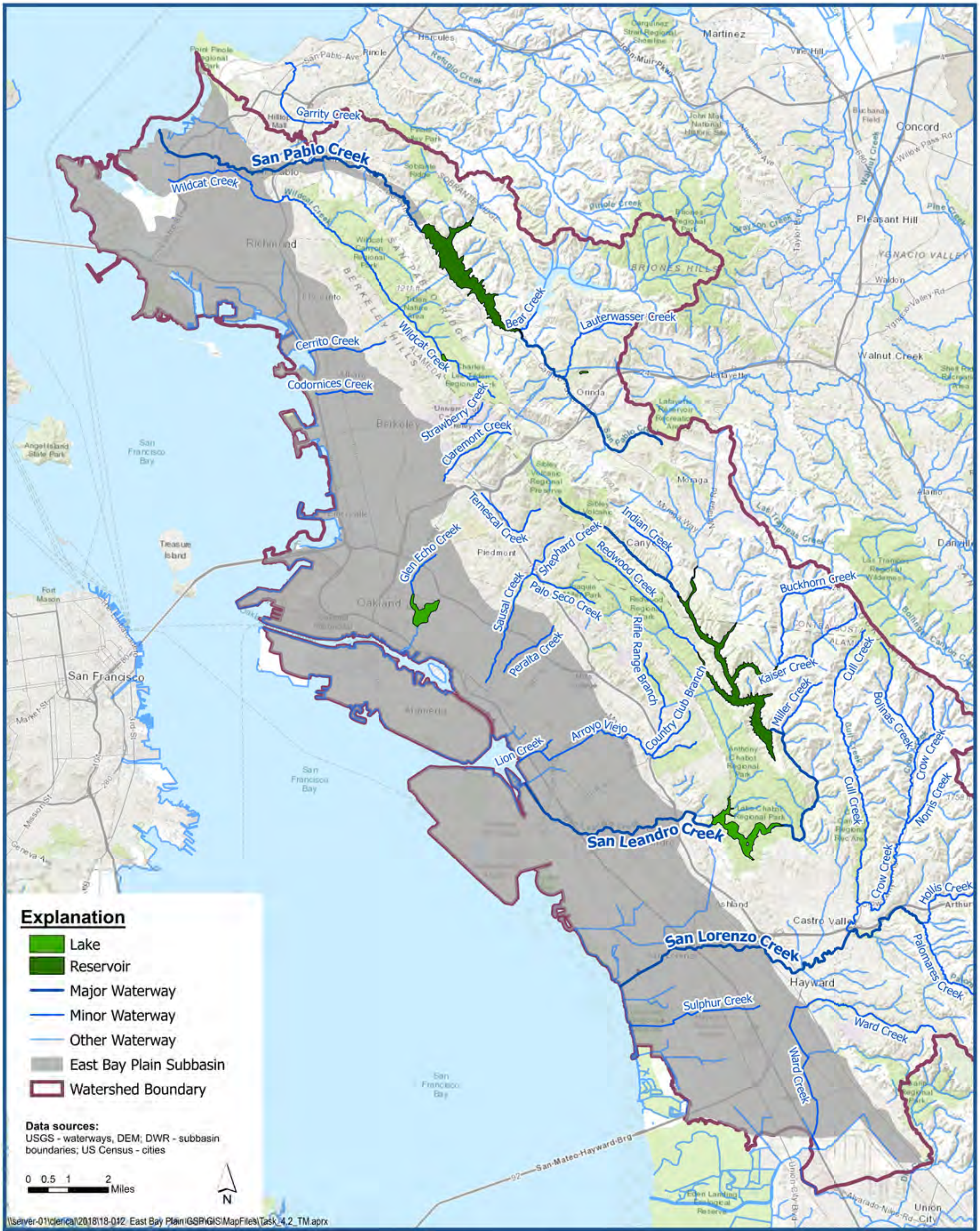


LSCE TEAM

Map of Irrigated Residential Areas

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 6-4



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

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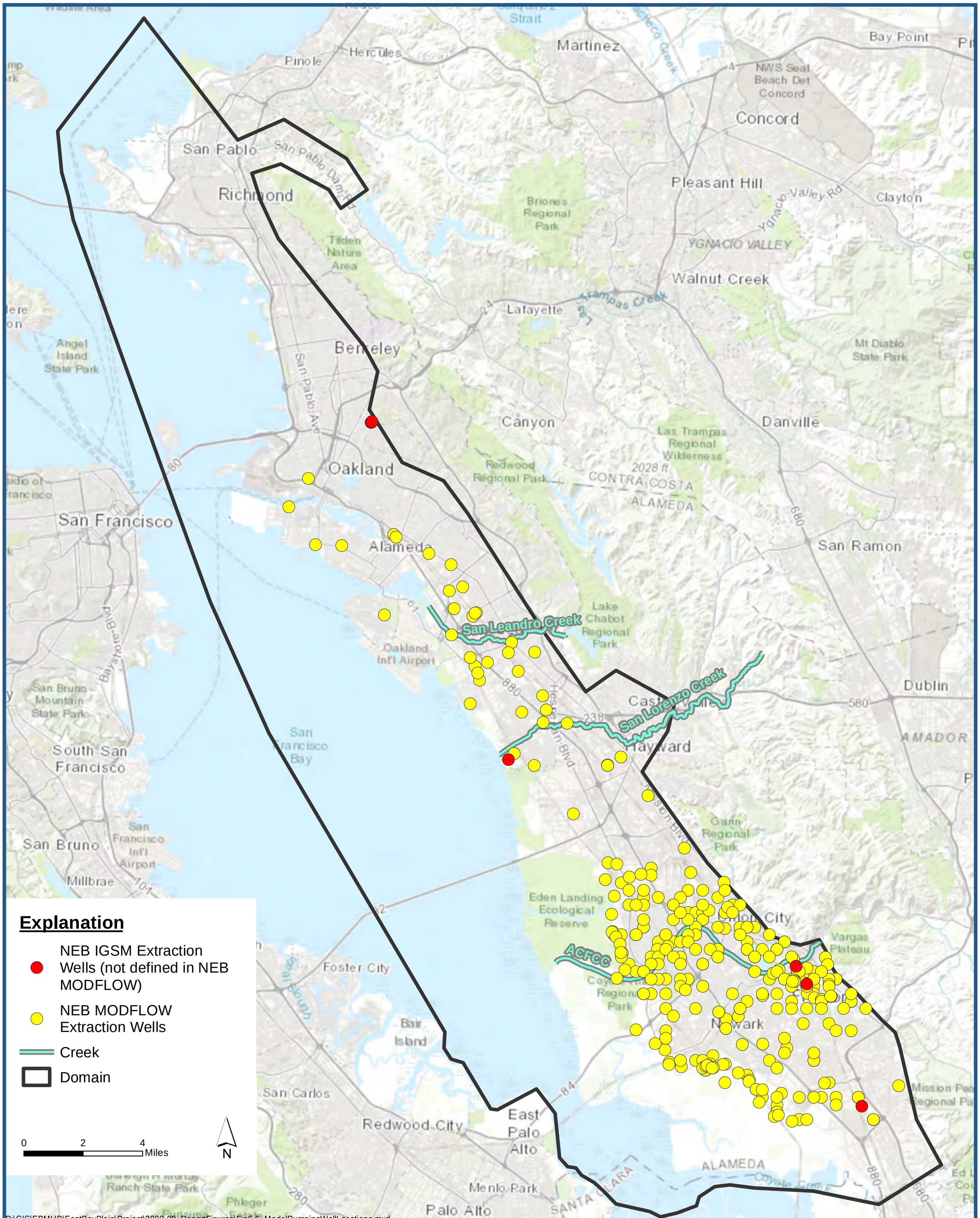
Streams included in Muir Streamflow Recharge Analysis

Figure 6-5

East Bay Plain Subbasin
Groundwater Sustainability Plan



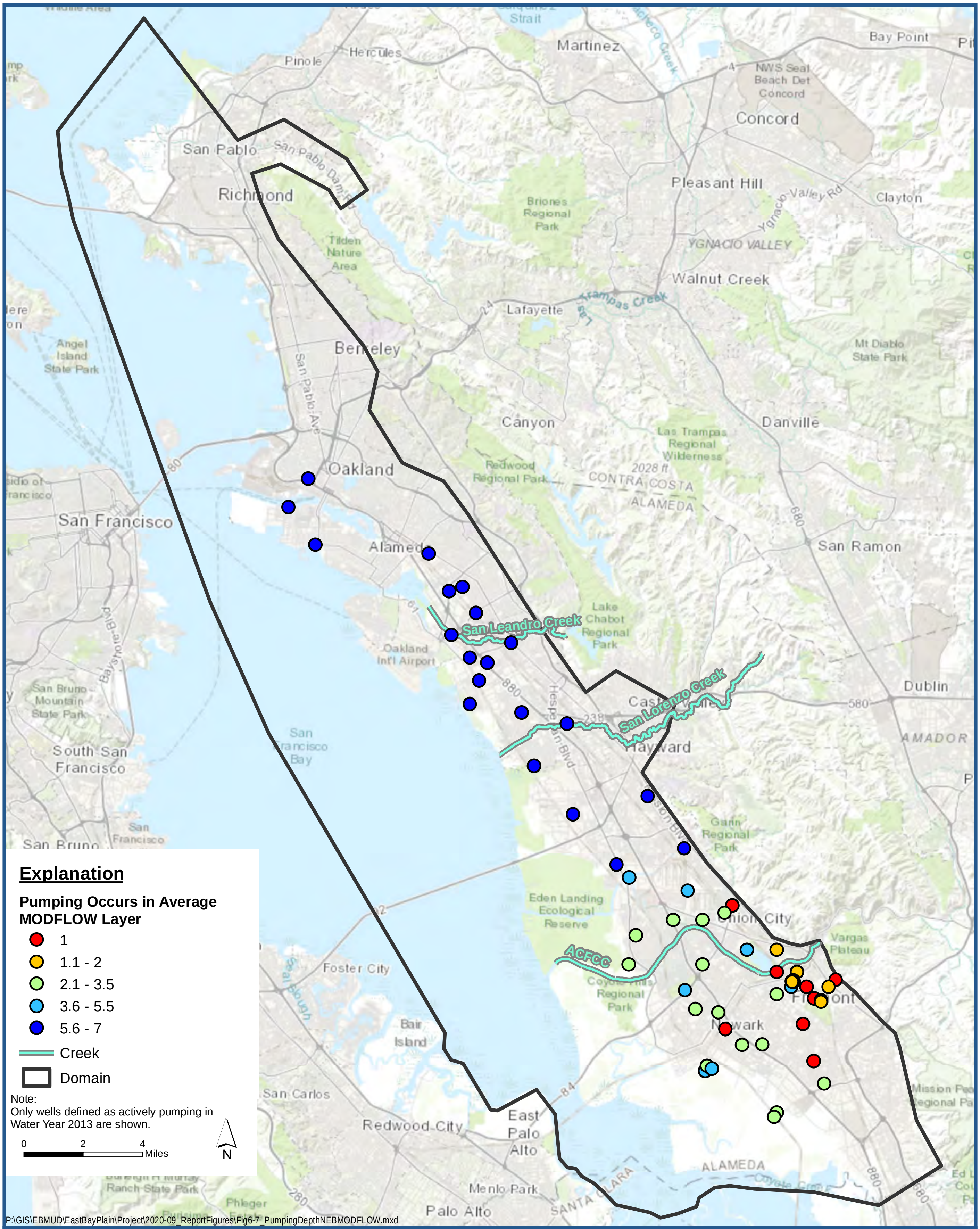
P:\GIS\EBMUD\EastBayPlain\Project\2020-09_ReportFigures\Fig6-6_ModelPumpingWellLocations.mxd

LSCE TEAM

NEBMODFLOW and NEBIGSM Defined Pumping Well Locations

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 6-6



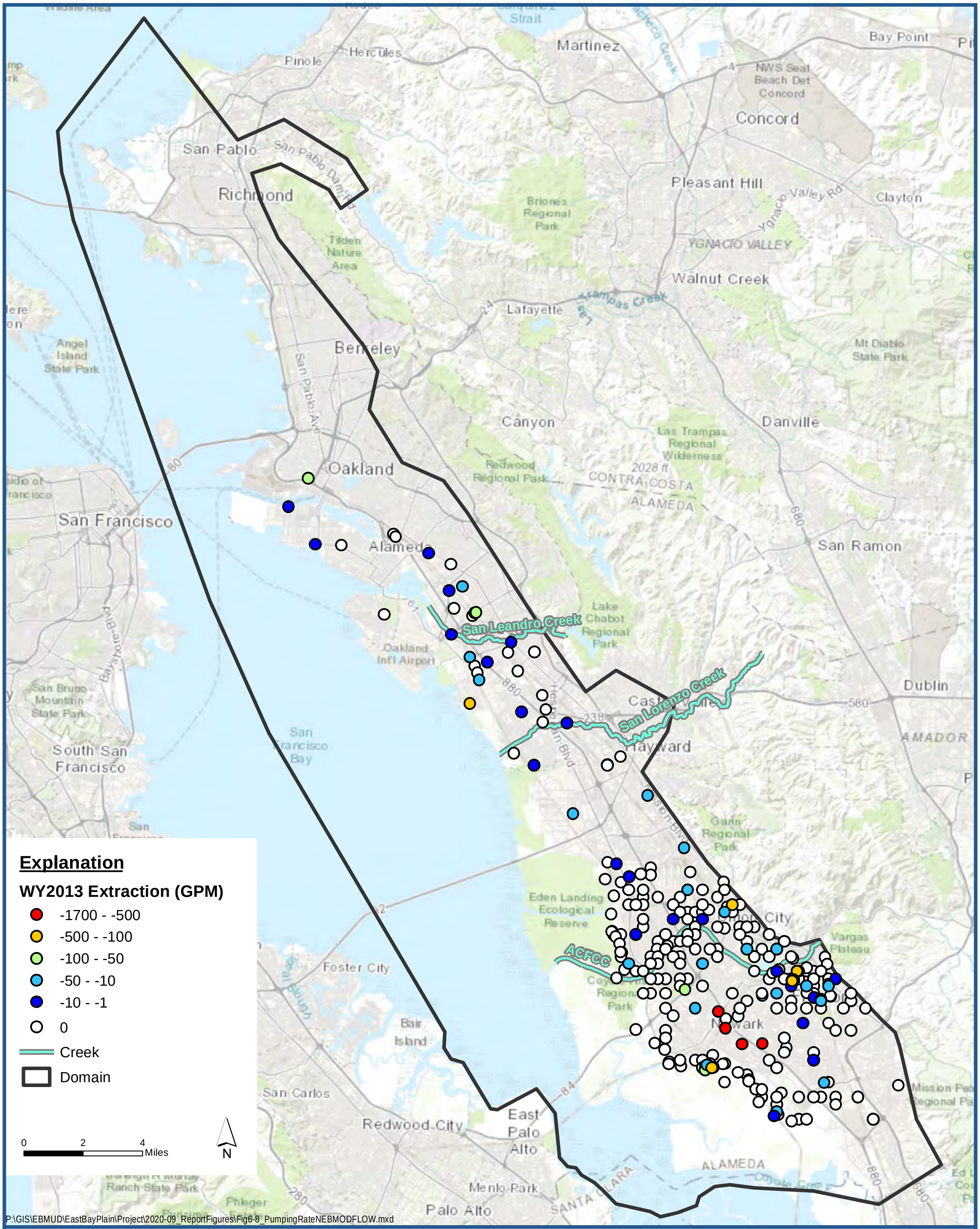
P:\GIS\EBMUD\EastBayPlain\Project\2020-09_ReportFigures\Fig6-7_PumpingDepthNEBMODFLOW.mxd

LSCE TEAM

Depth of Pumping for NEBMODFLOW Defined Pumping Wells

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 6-7

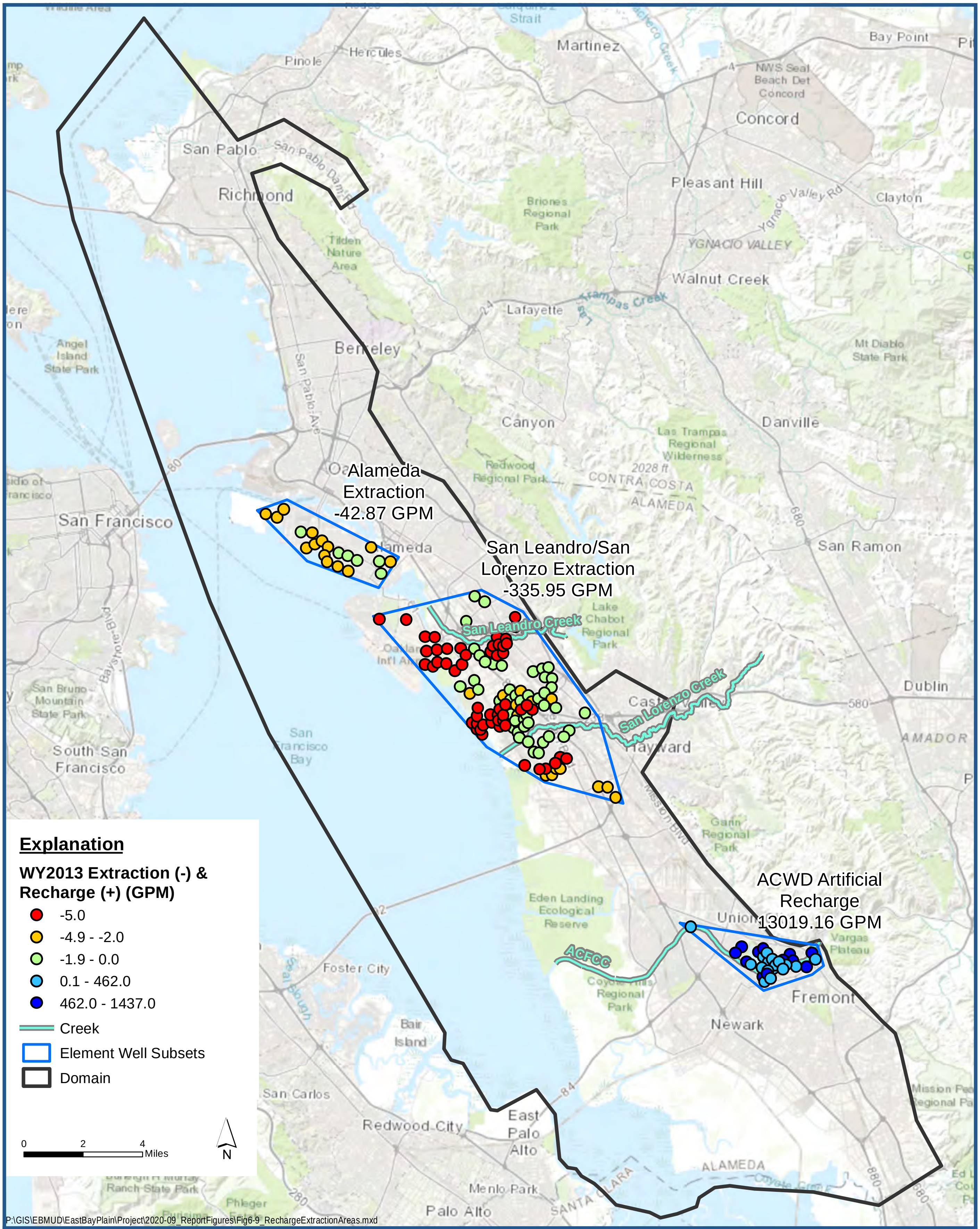


LSCE TEAM

Pumping Rate for NEBMODLOW Defined Pumping Wells

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 6-8

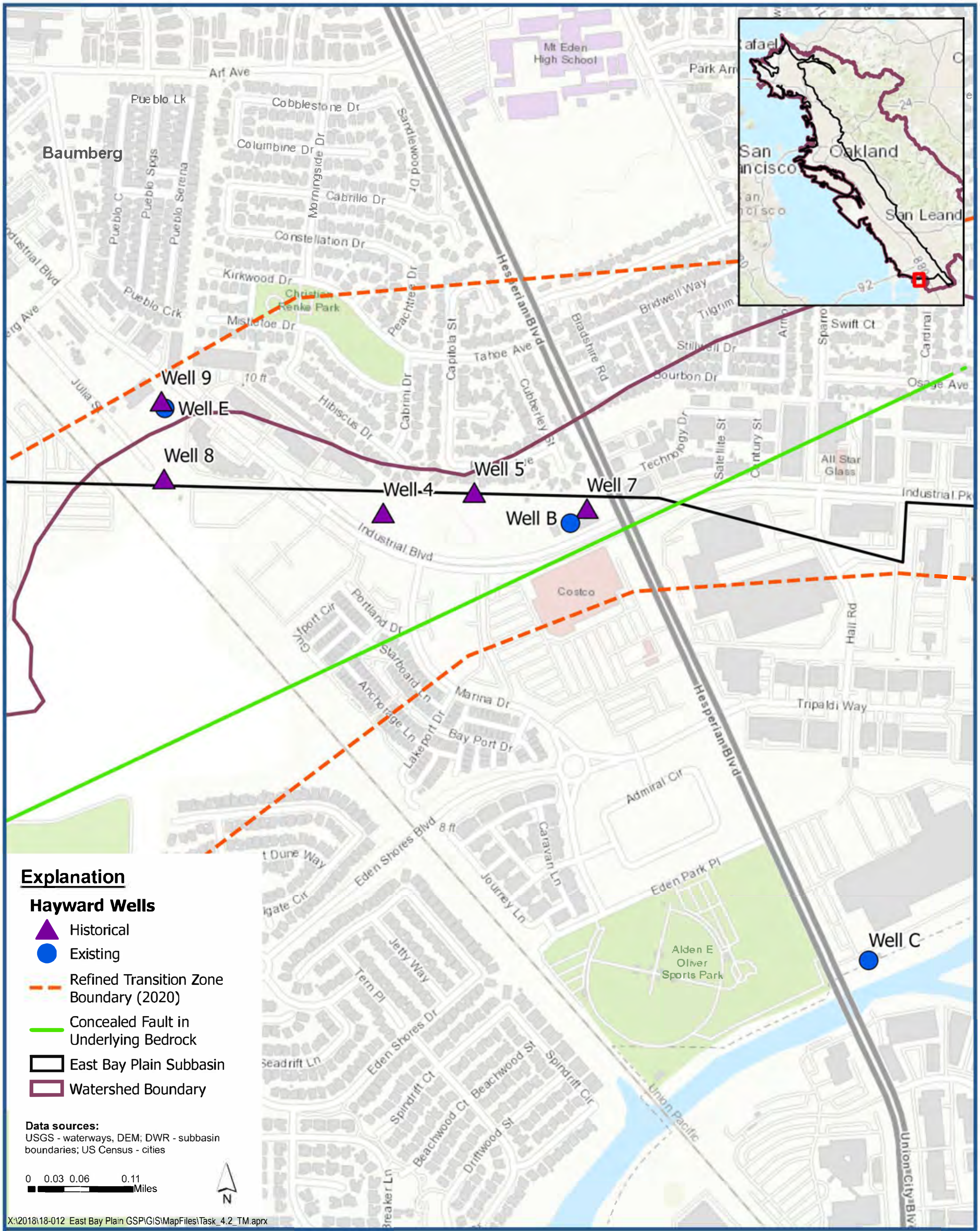


LSCE TEAM

Definition of Recharge/Extraction Areas in NEBMODFLOW Based on Land Use and Area

Figure 6-9

East Bay Plain Subbasin
Groundwater Sustainability Plan

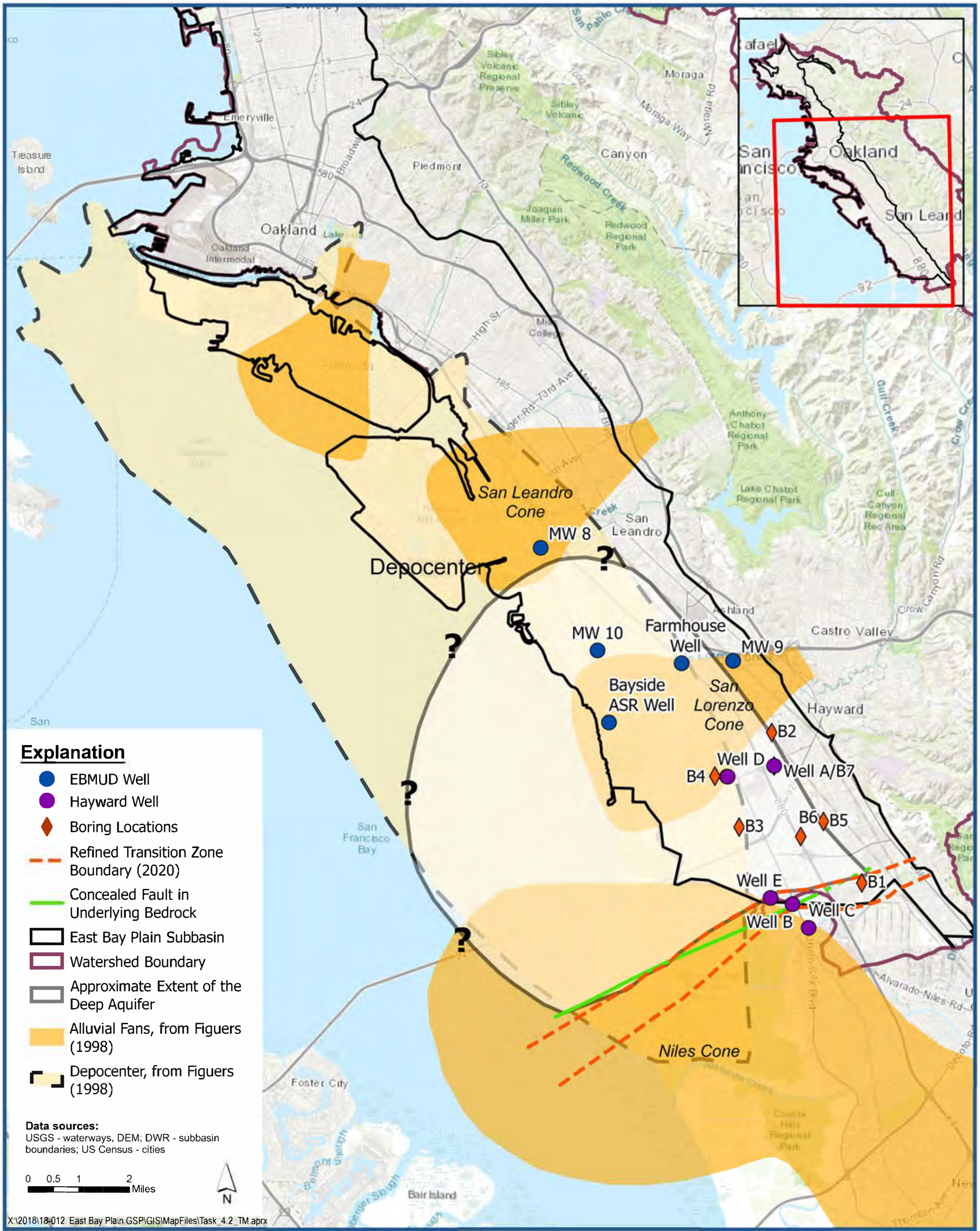


LSCE TEAM

Map of Historical and Existing City of Hayward Well Locations

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 7-1

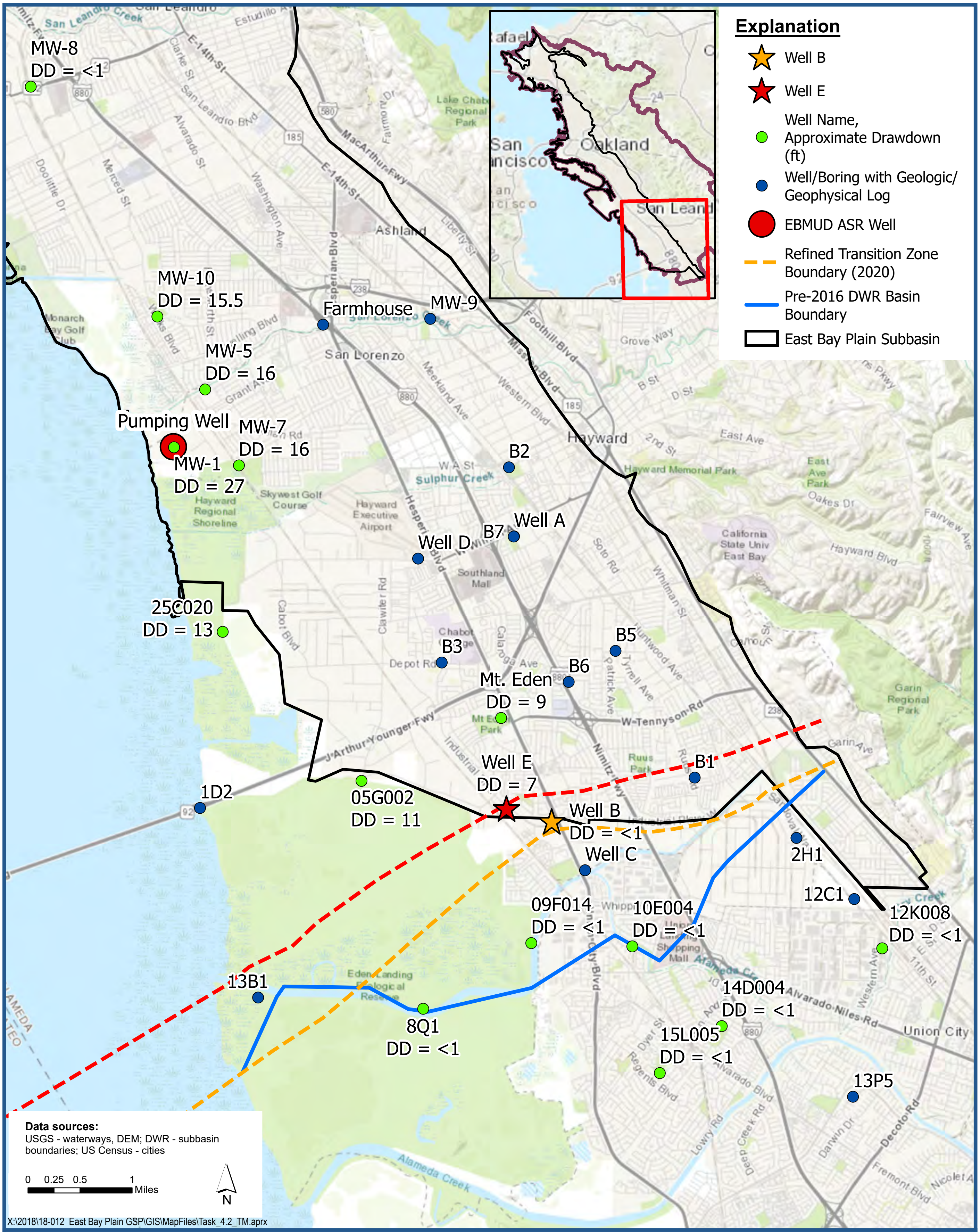


Map of Depositional Centers and Deep Aquifer Extent

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 7-2

LSCE TEAM

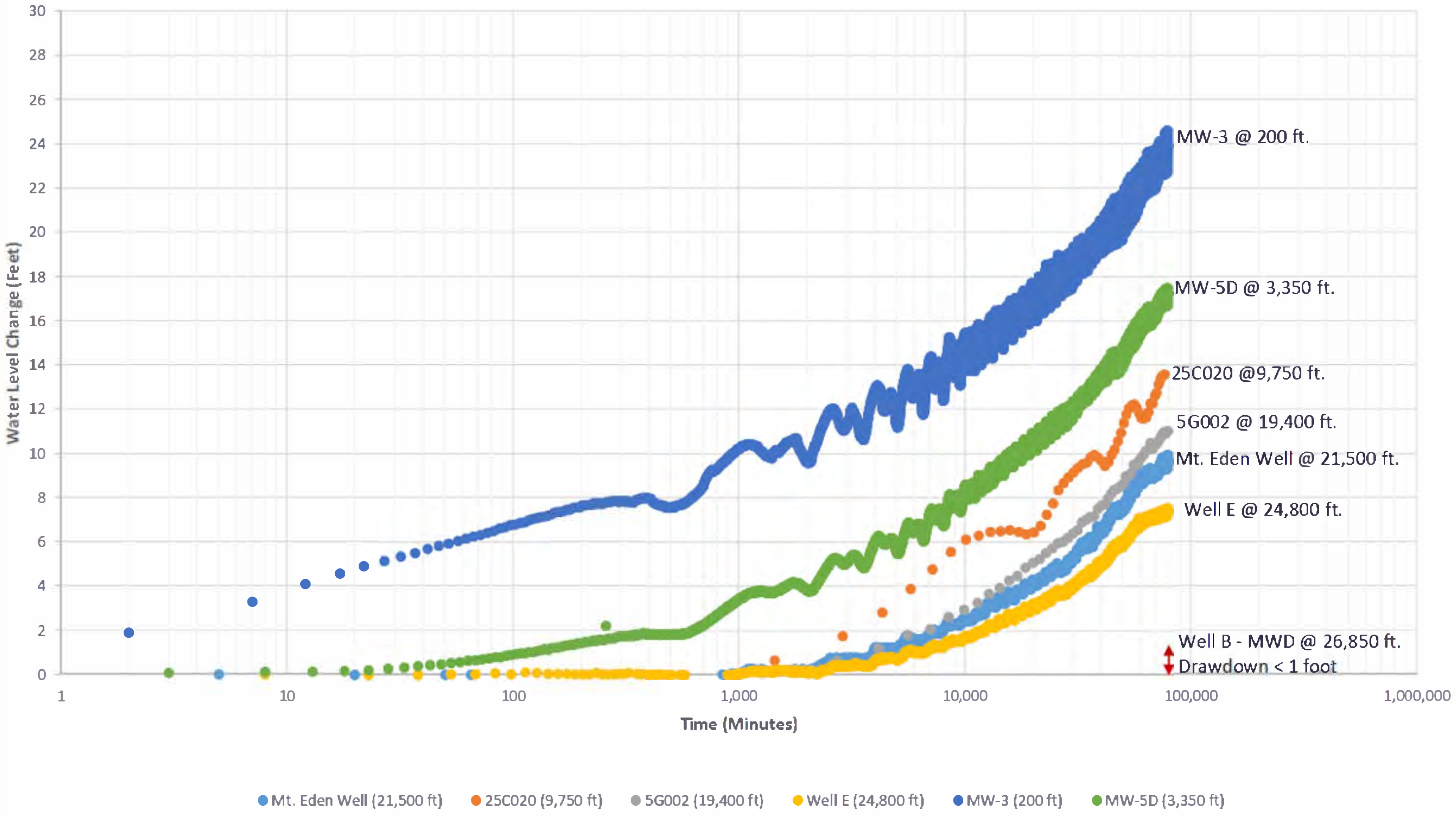


LSCE TEAM

Map of Drawdowns During 2010 EBMUD Regional Aquifer Test

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 7-3



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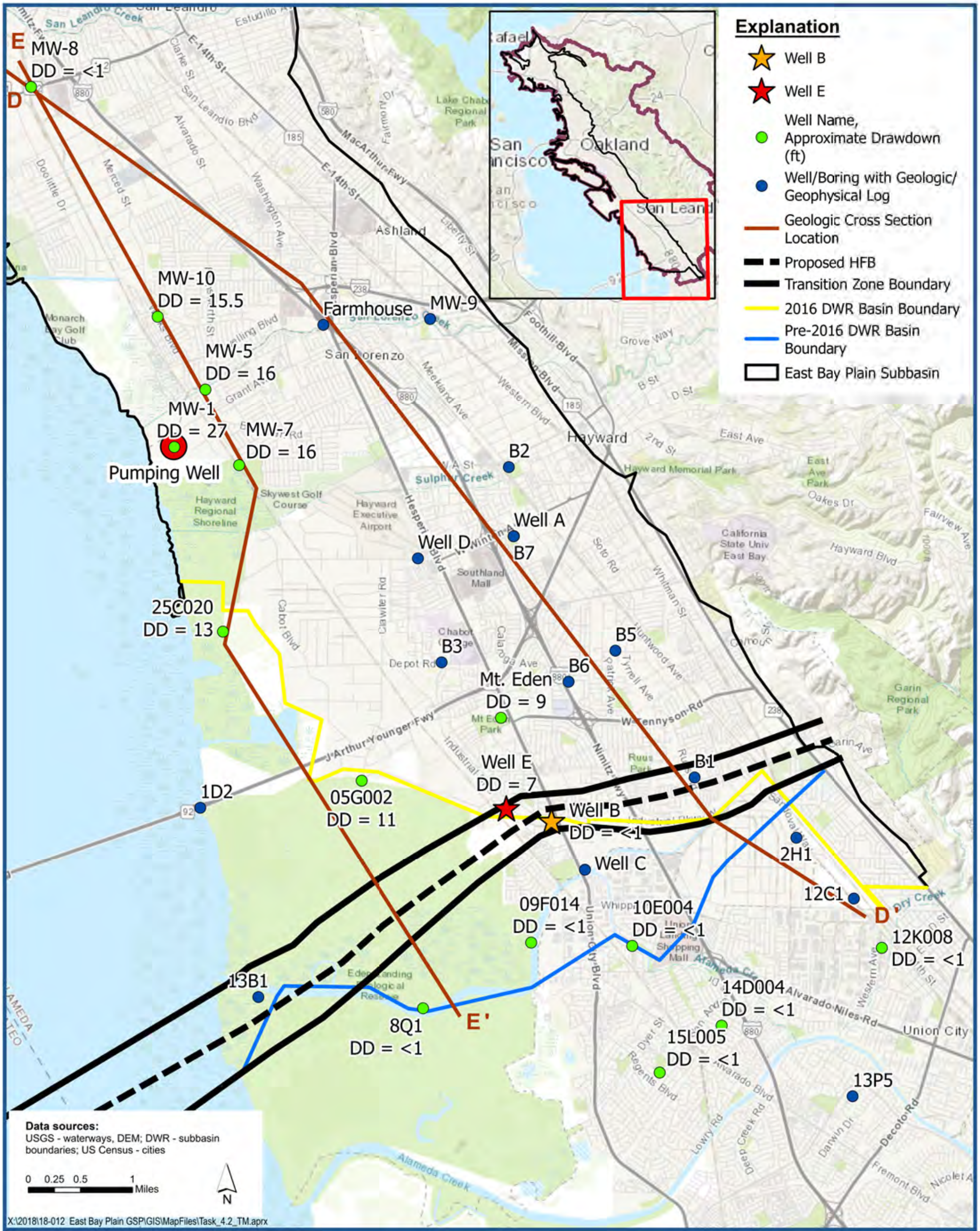
LSCE TEAM

Plot of Drawdowns During 2010 EBMUD Regional Aquifer Test

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 7-4

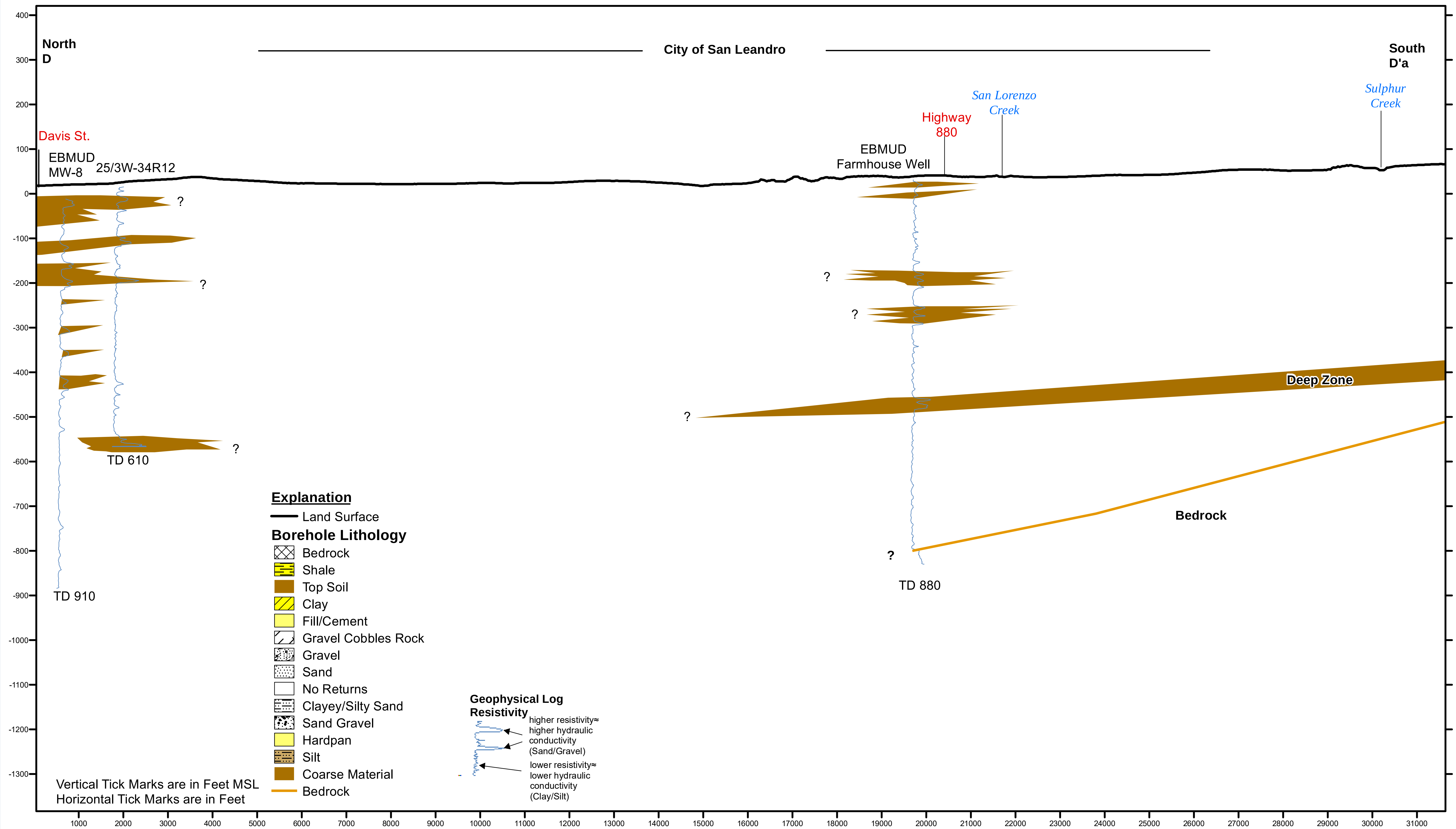


LSCE TEAM

Southern EBP Subbasin Geologic Cross Section Location Map

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 7-5



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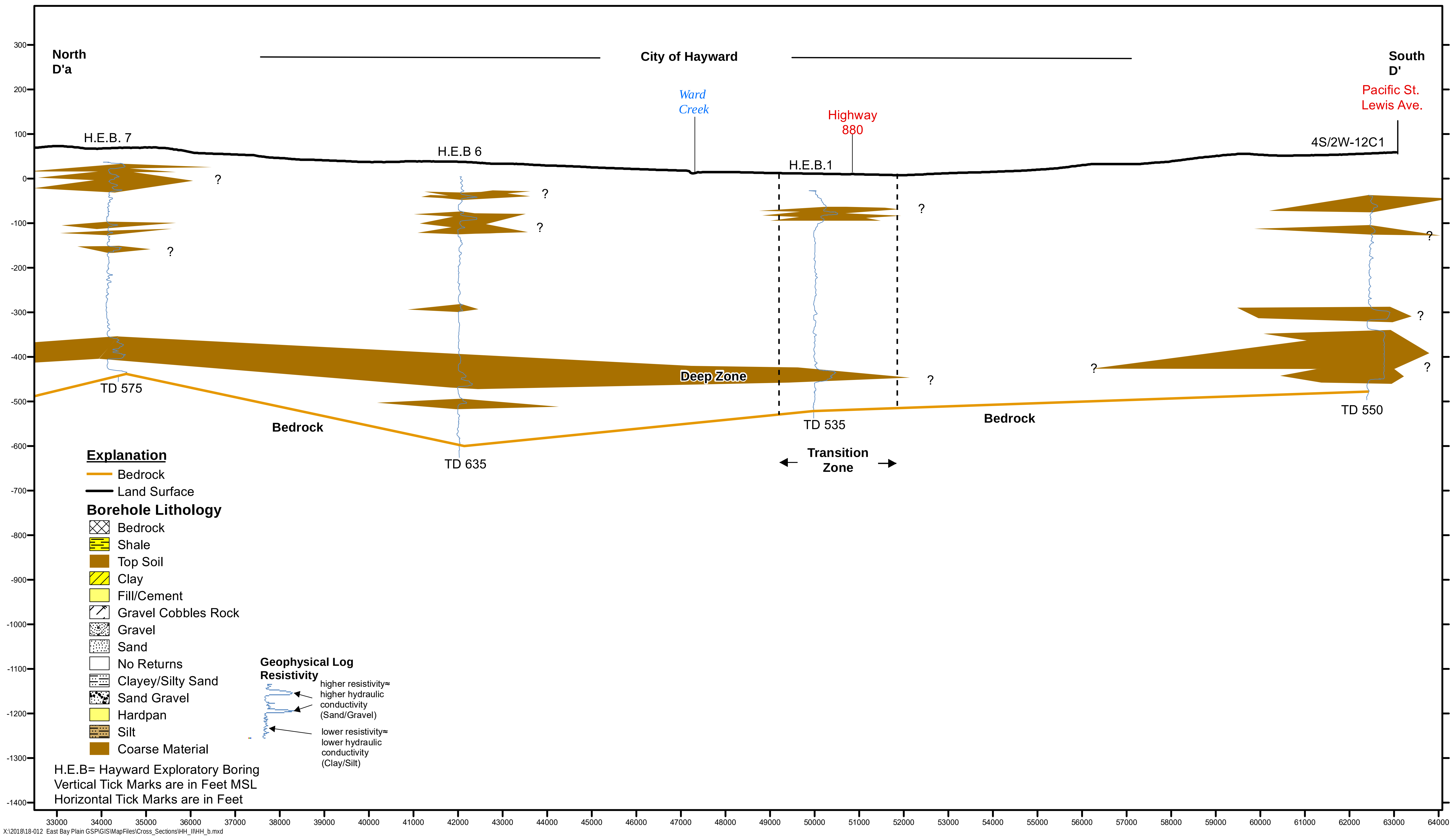
Consulting Engineers

Geological Cross Section D-D' of Southern EBP Subbasin

East Bay Subbasin
Groundwater Sustainability Plan

Figure 7-6a

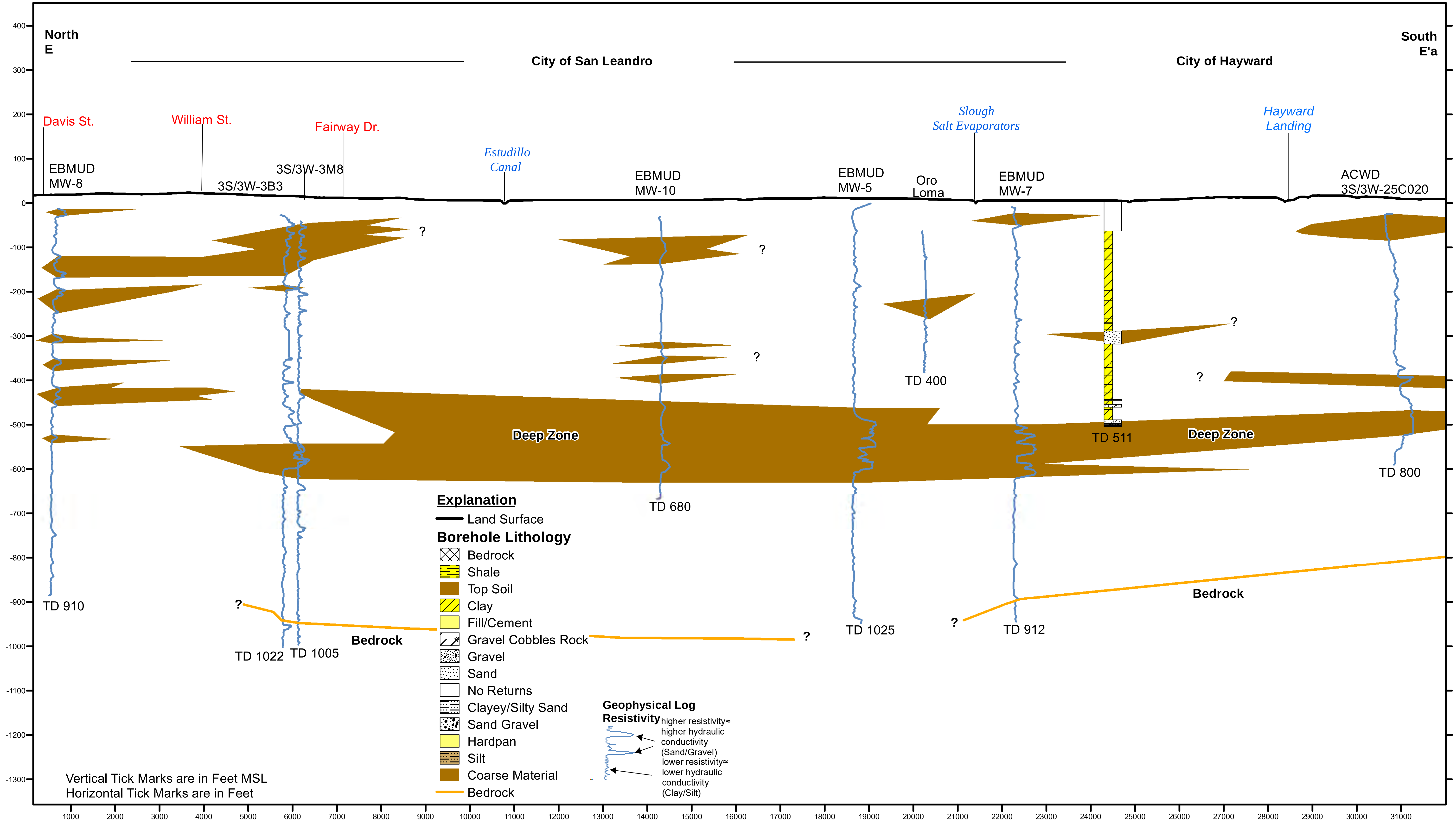


Luhdorff & Scalmanini
Consulting Engineers

Geological Cross Section D-D' of Southern EBP Subbasin

East Bay Subbasin
Groundwater Sustainability Plan

Figure 7-6b



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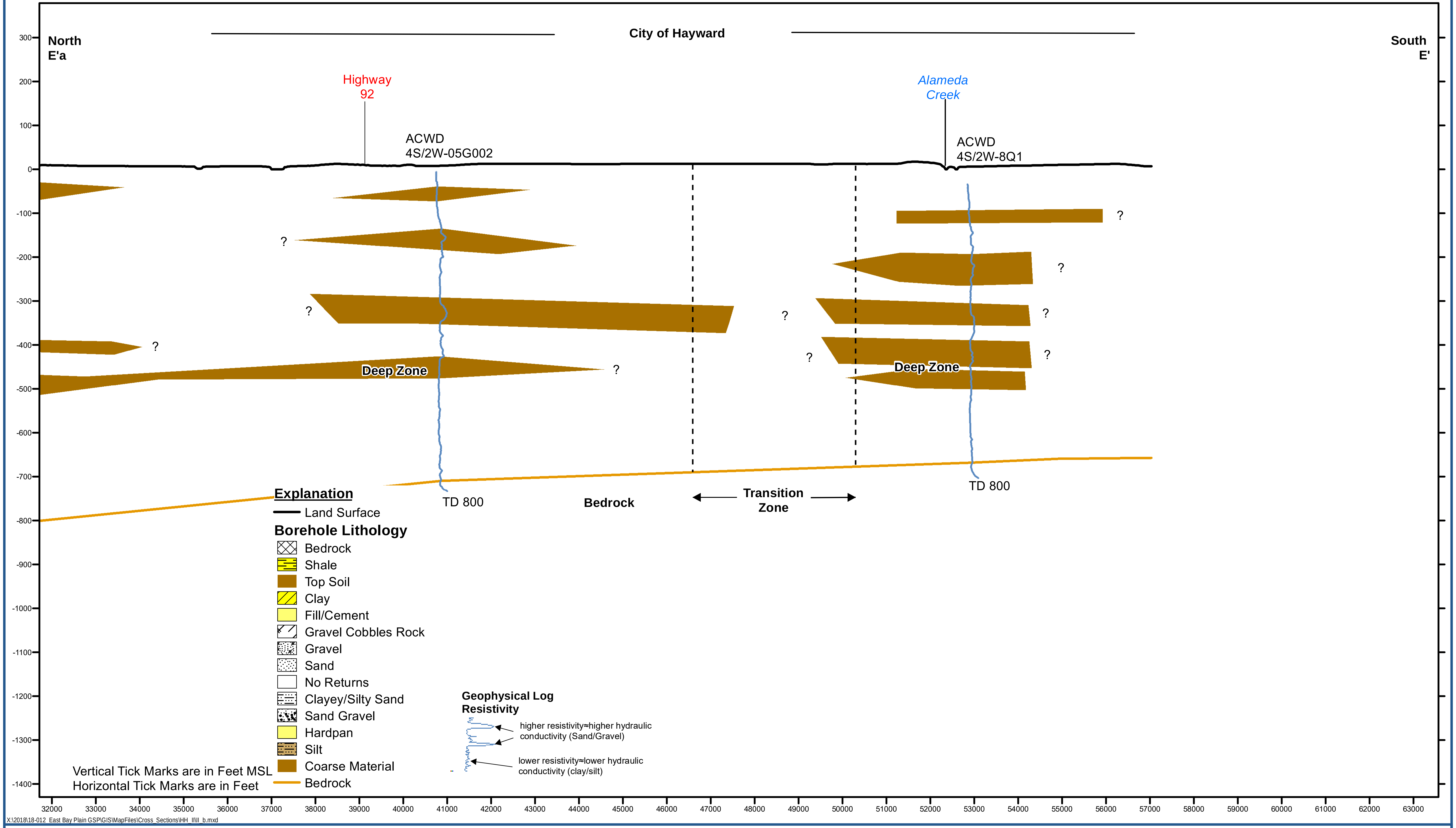
Luhdorff & Scalmanini
Consulting Engineers

Geological Cross Section E-E' of Southern EBP Subbasin

East Bay Subbasin
Groundwater Sustainability Plan

Figure 7-7a

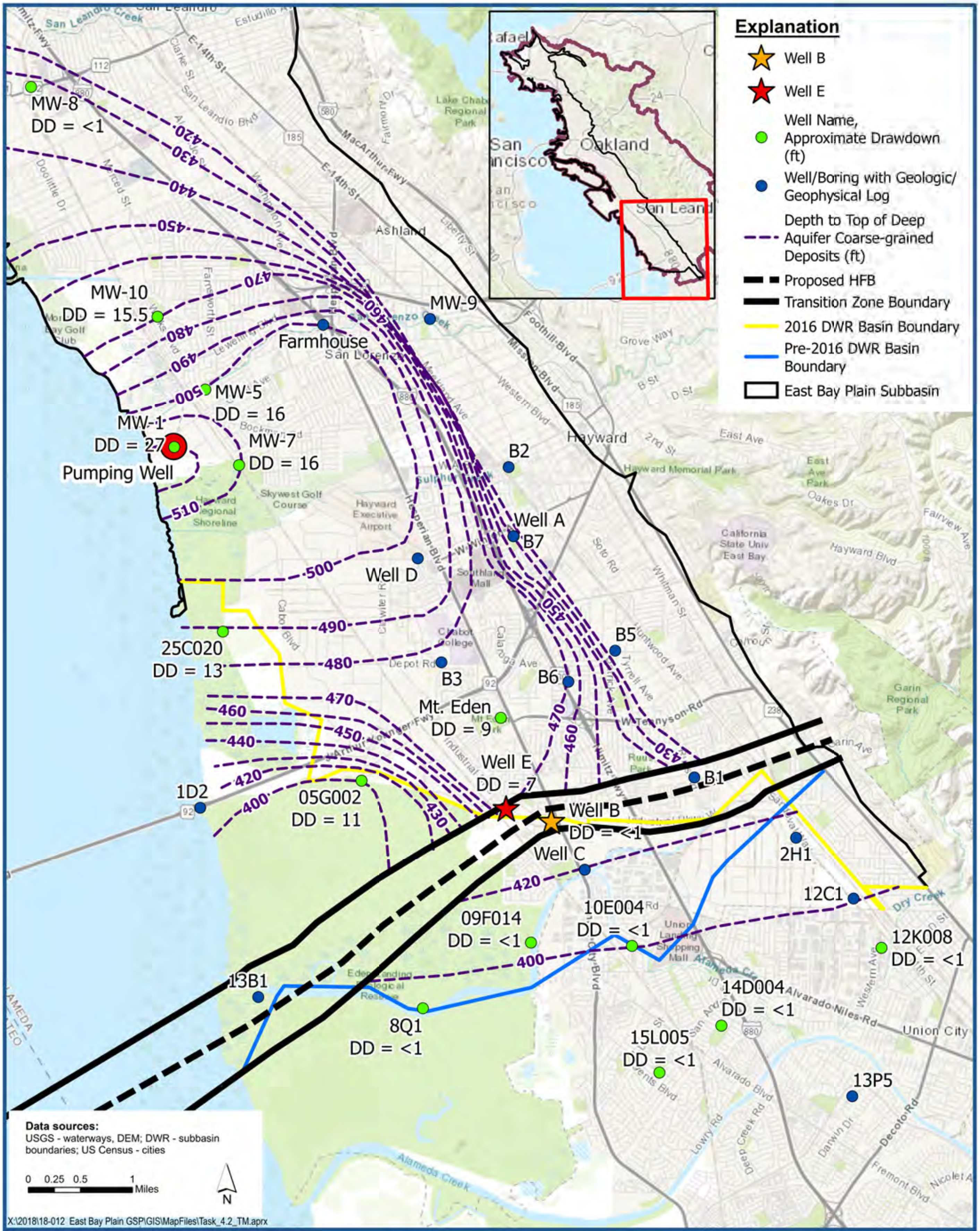


Luhdorff & Scalmanini
Consulting Engineers

Geological Cross Section E-E' of Southern EBP Subbasin

East Bay Subbasin
Groundwater Sustainability Plan

Figure 7-7b



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

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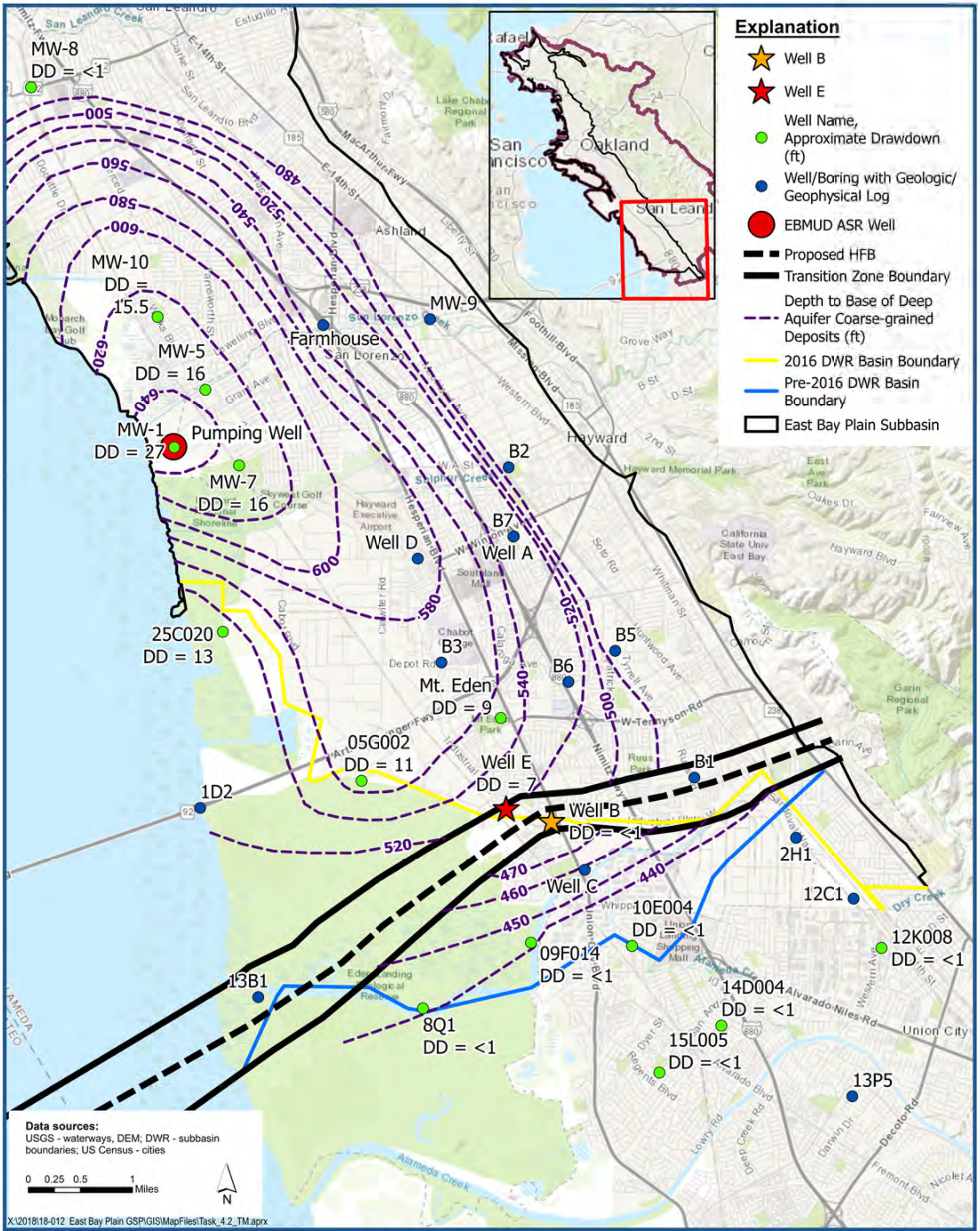
LSCE TEAM

Map of Depth to Top of Deep Aquifer Coarse-Grained Units

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 7-8



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

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LSCE TEAM

Map of Depth to Base of Deep Aquifer Coarse-Grained Units

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 7-9

APPENDICES

APPENDIX A

LIST OF PREVIOUS REPORTS SUMMARIZED IN APPENDIX A

Report Title	Report No. and/or Date	Author
Section A-1: DWR Reports		
Intrusion of Salt Water into Groundwater Basins of Southern Alameda County	Bulletin No. 81; 1960	DWR
Recommended Minimum Water Well Construction and Sealing Standards for the Protection of Groundwater Quality, Alameda County	Bulletin No. 74-2; 1962	DWR
Alameda County Investigation	Bulletin No. 13; 1963	DWR
Evaluation of Ground Water Resources, South Bay, Appendix A: Geology	Bulletin No. 118-1; 1967	DWR
Evaluation of Ground Water Resources, South Bay, Volume 1: Fremont Study Area	Bulletin No. 118-1; 1968	DWR
Ground Water Storage Capacity of a Portion of the East Bay Plain, Alameda County, California	1994	DWR
Section A-2: USGS Reports		
Hydrogeology and Geochemistry of Aquifers Underlying the San Lorenzo and San Leandro Areas of the East Bay Plain, Alameda County, California	WRI Report 02-4259; 2003	USGS
Subsurface Structure of the East Bay Plain Ground-Water Basin: San Francisco Bay to the Hayward Fault, Alameda County, California	Open-File Report 2006-1084; 2006	USGS
Lithostratigraphic Borehole-Geophysical, Hydrogeologic, and Hydrochemical Data from the East Bay Plain, Alameda County, California	Data Series 890; 2015	USGS
Hydrogeologic Controls and Geochemical Indicators of Groundwater Movement in the Niles Cone and Southern East Bay Plain Groundwater Subbasins, Alameda County, California	SIR Report 2018-5003; 2019	USGS
Section A-3; Consultant/Other Reports		
Groundwater in the San Leandro and San Lorenzo Alluvial Cones of the East Bay Plain of Alameda County	1984	Maslonkowski
Groundwater Resources Reports for the City of Hayward	1984 and 1986	Brown and Caldwell
Geohydrology and Groundwater Quality Overview, East Bay Plain Area, Alameda County, California	205(J) Report, 1988	Hickenbottom and Muir
Groundwater Recharge in the East Bay Plain Area, Alameda County, California	1994	Muir
Groundwater Discharge in the East Bay Plain Area, Alameda County, California	1996a	Muir
Groundwater Yield in the East Bay Plain Area, Alameda County, California	1996b	Muir

Groundwater Study and Water Supply History of the East Bay Plain, Alameda and Contra Costa Counties, California	1998	Norfleet Consultants
Hydrogeologic Investigation, Oakland Harbor Navigation Improvement (-50 Foot) Project, Port of Oakland, Oakland and Alameda, California	1999	SCI and Todd Engineers
Regional Hydrogeologic Investigation, South East Bay Plain	2000	CH2M Hill
Regional Hydrogeologic Investigation, Outer Basins, San Ramon, Richmond, Ygnacio/Clayton, Castro Valley, Berkeley	2001	CH2M Hill
East Bay Plain Aquifer Test Project, South East Bay Plain and Niles Cone Ground-Water Basins	2003	LSCE
Niles Cone and South East Bay Plain Integrated Groundwater and Surface Water Model (NEBIGSM), Model Development and Calibration	2005	WRIME
Proposed Phase 1 and Phase 2 Bayside Groundwater Project FEIR, 2005, ACWD Comments	2005	ACWD
Paleoclimatic Signature in Terrestrial Flood Deposits	Science, Vol. 256; June 2006	Koltermann and Gorelick
The Bayside Groundwater Project, 2010 Phase 1 Aquifer Test	2011	Fugro
San Mateo Plain Groundwater Basin Assessment	2018	EKI, Todd, Hydrofocus
South East Bay Plain Basin Groundwater Management Plan	2013	EBMUD

Section A-1

Summary of Previous DWR Studies

Section A-1

DWR has conducted many of the initial key groundwater basin studies in California dating back to the 1950s and 1960s. Along the eastern portion of San Francisco Bay, these DWR studies focused primarily on the Niles Cone Subbasin due to occurrence of substantial seawater intrusion in this subbasin dating back to the 1920s. However, some of these DWR studies also extended into the southern portion of the East Bay Plain Subbasin. The key DWR studies relative to the EBP Subbasin were reviewed and are summarized below.

A-1.1 Intrusion of Salt Water into Groundwater Basins of Southern Alameda County, Bulletin No. 81, 1960

This report covers the San Leandro, San Lorenzo, and Niles Cone areas, with greater focus on the Niles Cone area since this was identified as the primary area of seawater intrusion. The report noted that in the Niles Cone area of southern Alameda County wells had been gradually degraded by salt water from 1920 to 1960; most impacts were shallow wells. However, deeper wells were drilled as shallow wells had become degraded and were abandoned over the 10 years from 1950 to 1960. The report objective was to determine the extent/causes of saltwater intrusion in the Niles Cone area.

Niles Cone was reported to have groundwater levels below sea level since 1913, and saltwater intrusion began to be noted as a problem as of 1920. Seawater intrusion in the shallow aquifer was quite extensive by 1950; this was mostly in the area south of Old Alameda Creek. Prior to 1950, significant degradation of the deeper Centerville Aquifer in Niles Cone had not occurred. However, by 1959 it was found that 3,000 acres of Centerville Aquifer area (extending to over five miles inland) had been impacted by saltwater intrusion.

The study area was divided into subareas based upon presence of “faults or other geologic conditions that restrict lateral movement of ground water.” The three main subareas were San Leandro, San Lorenzo, and Niles Cones. Groundwater generally was found to occur under confined conditions in San Leandro and San Lorenzo Cones; water bearing deposits occurred to depths up to 1,000 ft. Aquifers in San Leandro/San Lorenzo Cones were stated to be thinner and less extensive than in Niles Cone. It was noted that wells in San Leandro and San Lorenzo Cones were typically drilled deeper than in Niles Cone. The report defined an upper confined aquifer to a depth of 150 ft, another aquifer between 150-250 ft, and a third aquifer at a depth of about 300 ft. These two subareas were not studied as extensively as Niles Cone “…since no evidence of salt-water bearing intrusion was found.”

It was estimated that there were 4,400 wells in the San Leandro/San Lorenzo Cones’ areas. It was found that almost every residence had a shallow well for lawn/garden irrigation. About 4,000 of these wells were estimated to be less than 50 ft deep, 315 wells were 50-200 ft deep, and 100 wells were deeper than 200 ft.

Groundwater levels for the study were collected from Fall 1957 through Spring 1959. In Fall 1958, upper aquifer groundwater levels San Leandro/San Lorenzo Cones ranged from 45 ft mean sea level (msl) near foothills south of Hayward to 5 ft msl near San Francisco Bay. During this time, deeper aquifer water levels were 90 ft below msl near Tennyson Road in Palma Ceia Village and 100 ft below msl near the mouth of San Lorenzo Creek (these appeared to be the deepest water levels measured at the time in San Leandro/San Lorenzo Cones' areas).

Groundwater in San Leandro/San Lorenzo Cones' areas was generally calcium bicarbonate to calcium-sodium bicarbonate type with chloride concentrations less than 150 milligrams per liter (mg/L) for wells deeper than 50 ft bgs. This study defined saltwater intrusion impact areas as those with chloride concentrations exceeding 350 mg/L.

A-1.2 Recommended Minimum Water Well Construction and Sealing Standards for the Protection of Groundwater Quality, Alameda County (Bulletin No. 74-2, 1962)

This study was conducted concurrently with DWR Bulletin No. 81. The report noted that agriculture in Alameda County was limited to primarily dry farming until the beginning of the 1900s when rural electricity became more readily available and improvements in irrigation pumps allowed a transition to irrigated agriculture. Irrigated agriculture expanded until about 1960. Meanwhile, industry and commerce greatly expanded in the Bay Area, including in the east bay where industry/commerce/residential uses were starting to displace remaining agricultural areas. At the time of this study, industry and urban development extended south to Hayward. Most of the water supply for this metropolitan area was provided by EBMUD surface water sources; however, many industries used wells and many shallow domestic wells were used for lawn/garden irrigation. South of Hayward, the major source of water was groundwater and the major land use was agriculture (although industry and urban development were expanding in this area). At this time the City of Hayward was obtaining approximately 15% of its water supplies from groundwater and the remainder was from SFPUC/Hetch Hetchy system. Delivery of water from the Central Valley via the South Bay Aqueduct started in June 1962 for the Niles Cone area south of Hayward. ACWD provided the municipal water supply for the area south of Hayward, while industry and agriculture in this area relied on groundwater from private wells. Niles Cone and Decoto were served by Citizens Utilities Company, which obtained its supply from groundwater. Castro Valley was supplied by EBMUD, and groundwater use was limited to domestic wells for lawn/garden irrigation.

The report delineated the following subbasins within the east bay portion of the Santa Clara Valley Groundwater Basin: Berkeley Alluvial Plain, Oakland Upland, Merritt Sand, San Leandro Cone Confined Ground Water Area, San Lorenzo Cone Confined Ground Water Area, Niles Cone Confined Ground Water Area, and Niles Cone Forebay Area and Newark Aquifer. The primary water bearing unit described was unconsolidated late Quaternary alluvium. The primary non-water bearing rocks described were consolidated rocks, mostly of pre-Tertiary age in the hills and beneath the alluvium, which may yield limited quantities of water where fractured. Recharge to unconfined aquifers was stated to be infiltration of precipitation, streamflow, and return irrigation water, plus artificial recharge from spreading ponds and injection wells. Confined aquifers were stated to be recharged primarily from underflow from adjacent groundwater bodies.

The major water quality problem identified was seawater intrusion in the southern part of the Bay Plain (Niles Cone area). The primary standard for evaluation of chloride concentrations was 350 mg/l based on irrigation suitability, although it was also noted that 250 mg/l is the threshold of concern for drinking water.

In the recent geologic past, the Bay Plain was subjected to multiple periods of marine inundation, which resulted in deposition of regionally continuous clay layers. These clay layers separated coarse-grained sands/gravels and resulted in formation of several confined aquifers. The Hayward Fault was recognized as a key structural feature that forms a barrier to groundwater flow. The Bay Plain (the report uses this term for both East Bay Plain and Niles Cone) was divided into 10 subareas, which were delineated based on faults, geologic structures, or conditions that impede groundwater movement. The largest and most important of these 10 subareas are San Leandro, San Lorenzo, and Niles Cones. Relatively continuous marine clays confine aquifers in the Berkeley Alluvial Plain, San Leandro Cone, San Lorenzo Cone, and Niles Cone. The Oakland Uplands were also listed as likely having confined aquifers, whereas the Merritt Sand was considered an area with an unconfined aquifer.

A-1.3 Alameda County Investigation (Bulletin No. 13, 1963)

This report documents a fairly comprehensive hydrologic and geologic study involving evaluation of climate/precipitation data, streamflow data, land use and water demands, soils, and geology. The area of investigation included the entire drainage area of Alameda County tributary to San Francisco Bay between San Lorenzo Creek drainage on the north and Coyote Creek on the south. Field work was conducted between 1949 and 1953. Precipitation between Hayward and Berkeley was indicated to range from about 20 to 23 inches/year. Surface water flows in San Lorenzo Creek at City of Hayward from water years 1949 through 1952 ranged from 3,800 to 28,900 AFY; the average flow was about 15,400 AFY (compared to a mean of 78,300 AFY on Alameda Creek).

The Oakland Water Company (predecessor to EBMUD) provided water to a portion of the City of Oakland from groundwater wells near Alvarado. EBMUD also utilized groundwater for water supply from a well field at Robert’s Landing (along the Bay margin in San Lorenzo). Use of these groundwater wells was discontinued in 1930 with completion of the Mokelumne Aqueduct. EBMUD water supplies prior to 1930 also included local surface water reservoirs: Chabot and Upper San Leandro Reservoirs on San Leandro Creek. The City of Hayward began obtaining surface water from the Hetch Hetchy system in 1950, surface water use increased from 1,000 AFY in 1950 to 7,950 AFY in 1961. At the time of this study, groundwater provided for nearly all agricultural irrigation needs and, also the portion of municipal/industrial water supply needs not met by surface water.

Streamflow Infiltration was considered to be the primary source of recharge. Secondary recharge sources were stated to include: precipitation recharge, excess irrigation recharge, subsurface inflow from adjacent uplands, and inflow from beneath the Bay.

The Castro Valley area consists of late Quaternary alluvium to a maximum thickness of 80 ft. The few water supply wells in Castro Valley were primarily for domestic use. The Bay Plain (the report uses this term for both East Bay Plain and Niles Cone) is comprised of an alluvial area (alluvial cone area) and a marshland area about three miles wide between the Bay and the alluvial area. The boundary between the marshland and alluvial areas approximately coincided with the western extent of development of agricultural areas. In the subsurface, marshland (predominantly blue-gray clays) and alluvial sediments (brown clay, silt, sand, gravel) interfinger over a relatively large area due to past changes in sea level and climatic conditions.

A minor perched aquifer was identified in the Valle Vista area between Mt. Eden and Decoto and overlapping the boundary between Niles Cone and San Lorenzo Cone. This perched aquifer was tapped by wells less than 50 ft deep. In the San Leandro/San Lorenzo Cones' areas, the report defined an upper confined aquifer to a depth of 150 ft, another aquifer between 150-250 ft, and a third aquifer at a depth of about 300 ft. The report states that "Confined aquifers below a depth of 400 ft are believed to be relatively continuous across the San Leandro, San Lorenzo, and Niles cones and the Warm Springs alluvial plain. There are three or more aquifers in the Niles Cone below this depth, each of which appears to be a separate hydraulic unit." The report further states that aquifers below 400 ft in the San Leandro/San Lorenzo Cones were, "probably also recharged by percolation of water from deeper aquifers underlying the Niles Cone." However, the report contains no other discussion or documentation of groundwater in deep aquifers in the San Lorenzo/San Leandro Cones' areas and does little to evaluate deep aquifers overall, which were not a major concern with regard to saltwater intrusion at this time.

Groundwater level contours for the shallow zone in the San Leandro/San Lorenzo Cones' area during Spring 1961 ranged from 30 ft above msl near the foothills south of Hayward to sea level at the Bay. Groundwater levels in deeper aquifers ranged from 30 ft above msl near Hayward to over 80 ft below msl in the central and southern portions of San Lorenzo Cone. A groundwater level hydrograph for Well 4S/2W-4D2 (referred to as a deep well) in the Hayward area from 1922 through 1953 shows groundwater levels ranging from about -33 to -100 ft msl in the fall and from about -5 to -55 ft msl in the spring. The lowest levels occurred around 1950.

The safe yield of the Bay Plain area was estimated to be 27,000 AFY over a total study area of about 85,000 acres; 22,000 AFY; as this safe yield estimate was allocated to the area of ACWD (i.e., Niles Cone Groundwater Basin) and 5,000 AFY was allocated to the Bay Plain area (approximately 18,000 acres) north of ACWD (i.e., San Lorenzo Cone area).

EBMUD water deliveries to the cities of San Leandro, San Lorenzo, Castro Valley, and unincorporated areas ranged from about 10,360 AFY to 22,100 AFY between 1952 and 1961. The City of Hayward supplied 7,671 connections in 1950 from its own wells. Hayward subsequently added surface water from Hetch Hetchy to its water supply sources. Hayward pumped 900 AF of water in 1951 and used 1,600 AF of surface water. As of 1961, the City of Hayward delivered 9,100 AF, including 7,950 AF of surface water and presumably the remaining 1,150 AF was from groundwater supplies.

A-1.4 Evaluation of Ground Water Resources, South Bay, Appendix A: Geology, Bulletin No. 118-1, 1967)

This report provided a detailed assessment of geologic conditions. The report described that, while DWR studies of saltwater intrusion were focused on the Niles Cone Groundwater Basin, the overall study area extended northward into the southern portion of the EBP Subbasin.

In terms of depositional environments, the report stated that Santa Clara Formation (South Bay Area) and Alameda Formation (North Bay area) were being deposited as fans and outwash plains in the subsiding Santa Clara Valley depression during late Pliocene time. The streams depositing sediments of the Santa Clara/Alameda Formation likely flowed out to the ocean in a valley south of San Francisco through Lake Merced. A series of glacial and interglacial events has occurred over the past one million years during Pleistocene time. The most recent glacial events were the Wisconsin glacial event from 15,000 to 60,000 years ago; the Illinoian glacial event from 185,000 to 285,000 years ago; and the Kansan glacial event from 560,000 to 660,000 years ago. The major aquifers in the area (e.g., Newark, Centerville, Fremont aquifers) were likely deposited during the glacial periods with low-standing sea level, while blue clay layers were deposited during interglacial high sea level events. The size and permeability of alluvial areas is generally dependent on the size of the tributary watershed area.

Non-water bearing sediments/rocks are generally comprised of formations older than Pliocene. These formations are generally considered to be bedrock, which may have fractures that yield small quantities of groundwater potentially sufficient only for domestic uses and also yield water to springs that may provide dry-season flows in streams draining the hills. The report states, “It is likely that the nonwater-bearing rocks transmit small quantities of groundwater to adjacent water-bearing sediments in the form of subsurface underflow.”

Water-bearing Quaternary alluvium is comprised of unconsolidated gravel, sand, silt, clay, and various mixtures of these grain sizes. Extensive continuous layers of blue clay were deposited during interglacial periods in a similar manner as is occurring with present day deposition on the bottom of San Francisco Bay. Beneath San Francisco Bay, blue clay layers are separated by relatively thin but widespread sand and gravel layers that were likely deposited during interglacial periods with much lower sea levels that allowed streams to extend out into the present day Bay. This depositional pattern resulted in relatively isolated aquifers in the Niles Cone area.

Faulting in bedrock beneath the basin has resulted in a series of blocks, some of which have subsided and some of which have risen. The Hayward Fault has a relatively impermeable clay gouge zone associated with it that likely limits groundwater movement where it cuts across unconsolidated alluvium in the Niles Cone. A gravity survey conducted for the study revealed three hidden faults beneath alluvium that were not otherwise known. One of these faults (in Franciscan bedrock) occurs between Alameda Creek and the San Mateo Bridge.

A series of 10 test holes and piezometers were installed in the South Bay as part of the investigation. One of the piezometers was drilled at the Bay margin where Alameda Creek meets the Bay (4S/3W-13B) to a depth of 441 ft, and another one was drilled along the western extent of the San Mateo Bridge (4S/3W-

7P; also referred to as 4S/3W-7Q) to a depth of 525 ft. Piezometers were screened in primary aquifers in three different zones: 33-70, 153-186, and 305-372 ft below ground surface (bgs) in 13B and 142-163, 212-272, 361-416 ft bgs in 7P/Q.

Recharge occurs along the eastern edge of the basin via infiltration along streambeds draining the highlands and moves towards pumping centers to the west. With increasing distance westward, the thickness and grain size of the aquifers generally decreases while intervening clay beds become thicker. This results in an overall reduction in transmissive characteristics to the west. Within the Niles Cone area, the three uppermost aquifers were first named in Bulletin No. 81 as the Newark, Centerville, and Fremont Aquifers. Deeper aquifers were also previously identified in Bulletin No. 81 (now known to be extensive) are referred to in this report as the 400-ft and 500-ft aquifers according to their average depth in the Niles Cone Subbasin.

The Newark Aquifer, generally present between 60-140 ft bgs, was determined to be the main conductor of saltwater eastward from the Bay. The top of the Centerville Aquifer generally occurs between 180 and 200 ft bgs and it is 10-100 ft thick; a relatively continuous and extensive clay layer occurs between the Newark and Centerville Aquifers. However, several thin zones in the intervening aquiclude may be present that potentially allow downward movement of saline water. The Centerville Aquifer continues beneath San Francisco Bay. The Fremont Aquifer varies from 300-390 ft bgs, and exists primarily east of the Coyote Hills. The Fremont Aquifer is separated from the Centerville Aquifer by a clay aquitard. However, groundwater levels were not substantially different between the Centerville and Fremont Aquifers. The Centerville/Fremont Aquifer zone from 170-400 ft was the most productive and primary zone of pumping during the time of this study.

The report described groundwater elevations in the southern portion of the EBP Subbasin for the time period before the early 1960s. Groundwater level contours for the shallow zone in the San Leandro/San Lorenzo area during Spring 1961 ranged from 30 ft msl near the foothills south of Hayward to sea level at the Bay. Groundwater levels in deeper aquifers ranged from 30 ft above msl near Hayward to over 80 ft below sea level in the central and southern portions of San Lorenzo cone. A groundwater level hydrograph for Well 4S/2W-4D2 (referred to as a deep well) in the Hayward area from 1922 through 1953 shows groundwater levels ranging from about -33 – -100 ft msl in the fall and from about -5 - -55 ft msl in the spring. The lowest levels occurred around 1950

The report notes that deep aquifers, "…may extend beyond the limits in the Niles subarea and thus act as conductive layers for the migration of ground water out of the Niles subarea. The configuration of water levels in wells tapping the deeper aquifers shows a gradient toward the north. This suggests that ground water moves toward the north beneath the boundary between the Niles subarea and the adjacent San Leandro Cone. It apparently moves toward the pumping depression caused by the deep municipal wells in Hayward."

The report offers two alternatives for origin of the deep aquifers: 1) Alameda Creek alluvial fan aquifers are superimposed on older formations (containing the deep aquifers) with different origins; 2) the deep aquifers are older Alameda Creek deposits shifted northward by movement along the Hayward Fault to a position halfway between San Leandro Cone and present location of Alameda Creek alluvial fan. The report notes an important point regarding the deep aquifers, "The extent of the deeper aquifers is important because, if the Niles subarea became degraded by salt water to considerable depths, the outward movement of ground water might also degrade the quality of water in adjacent deeper areas. Thus, since some communities north of the Niles subarea use ground water from these deeper aquifers, any sea water intrusion into the Niles subarea could migrate toward pumping depressions and consequently degrade groundwater in these latter areas."

The report suggests that because bedrock adjacent to Coyote Hills is present at depths less than 500 ft, sediments east of Coyote Hills may be correlative to the Santa Clara Formation. A profile along the San Mateo Bridge shows a thick sand aquifer present between 400-550 ft bgs with good quality groundwater. "The aquifer is undoubtedly a part of the extensive sand deposits which underlie the bay north of the area of investigation. In fact, it may be part of the Alameda Formation reported by Trask and Rolston to be present as far north as the San Francisco-Oakland Bay Bridge." The report goes on to say, "It appears likely that the portion of the valley floor in the vicinity of the San Mateo Bridge was a boundary zone between alluvium deposited primarily under subareal conditions to the south, and sediments primarily of marine origin to the north." Furthermore, "In aquifers beneath the main portion of the bay, ground water may move southward toward the Niles subarea, in response to lowered water levels."

As described in this report, the Niles Cone area is bounded by the San Leandro Cone on the north. This designation of the San Leandro Cone included both the San Lorenzo and San Leandro Cones described in other reports. The San Leandro Cone includes unconsolidated sediments ranging from 400 ft thick on the east to 1,000 ft thick on the west beneath the Bay Plain area. San Leandro Cone specific capacities were generally characterized as being less than 20 gallons per minute per foot (gpm/ft), although deep wells were characterized as "highly productive". The San Leandro Cone was divided into upper and lower zones; the upper zone extends to depths of about 400 ft. Upper and Lower Aquifers were identified in the upper zone at depths of 60 and 250 ft, comprised of discontinuous beds of fine gravel not easily correlated on well logs. These depth intervals were considered "equivalent" to the Newark and Centerville Aquifers to the south, but they are separated from Niles Cone aquifers by fine-grained zones. The percentage of coarse-grained aquifer materials of the total sediment thickness in the San Leandro Cone was characterized as ranging from 25% on the west to 10% on the east. The occurrence of groundwater in the upper zone of the San Leandro Cone was determined to be "…largely independent of adjacent areas, with the result that little lateral movement of groundwater occurs into or out of the cone in the upper zone."

The lower zone of the San Leandro Cone was characterized as being comprised of, "…considerably more aquifers than the upper zone and nearly all of the high yielding wells draw their supply from it." The report stated the lower zone generally contains more than 30% sand and gravel. The report states, "The thickness of aquifers in the lower zone does not materially decrease near the edge of the cone. This information together with the configuration of water levels in wells tapping this zone, suggests that the origin of the lower zone may be totally unrelated to that of the upper zone." In addition, the report states, "Within the upper zone, aquifers to a depth of 200 ft have a pressure head that always stands above sea level in the upper reaches of the cone. Contours of equal elevation of ground water in wells tapping this interval are characteristically fan shaped, indicating that recharge occurs at the apex of the cone from infiltration along San Leandro Creek. A small amount of ground water may move from aquifers in the upper 200 ft of the San Leandro cone southward into the Newark aquifer of the Niles subarea."

Aquifer depths greater than 200 ft deep in the San Leandro Cone were reported to have groundwater elevations below sea level at the time of this report. The report goes on to say, "Investigators of ground water conditions in the San Leandro Cone have long held that aquifers in the lower zone are replenished by deep aquifers in the Niles subarea. The investigation leading up to Bulletin No. 81 tended to support this view and further suggested that some replenishment of these deep aquifers also occurs from the lowermost portions of the San Leandro Cone."

Regarding saltwater intrusion in the San Leandro Cone, the report states, "Because water levels in the upper portion of the cone tend to remain above sea level throughout the year, only a few shallow wells near the southeastern edge of the cone show any evidence of salt water intrusion from San Francisco Bay. The draft of aquifers in the upper 200 ft of the cone has not been sufficient to lower water levels to a point where saltwater could intrude into the permeable area at the apex of San Leandro cone and thence move downward to greater depths. Deeper aquifers are protected from salt water intrusion from San Francisco Bay because of the high clay content in the overlying alluvium, even though the pressure head in these aquifers is considerably below sea level."

The mechanism of saltwater intrusion in the Niles Cone was described as follows. In the area south of the northernmost extent of Alameda Creek, groundwater levels in the Newark Aquifer ranged from 0 at the Bay to -45 ft msl adjacent to the Hayward Fault. This resulted in migration of salt water throughout the Newark Aquifer from the Bay to the Hayward Fault. Downward migration of saline water from the Newark Aquifer to the underlying aquifers occurred near the Hayward Fault where the intervening aquitards are thin or missing. The lowest groundwater levels in the underlying aquifers were located just to the east of the Coyote Hills and to the west of the Hayward Fault. Thus, the saline water that migrated vertically downward from the Newark Aquifer subsequently flowed back to the west in the underlying aquifers. There may also have been migration of saline water vertically downward through improperly constructed or improperly abandoned wells.

Besides San Francisco Bay, another potential source of saline water that was identified was the salt evaporation ponds. Thin aquiclude areas may exist along the Dumbarton Straight shipping channel and beneath the salt ponds. It is also possible that the hydraulic gradient across the Newark Aquiclude is sufficient to cause widespread migration of salt water vertically downward even though the leakage rate per square foot is small.

The report notes that although the bordering highlands are comprised of essentially non-water bearing rocks, they do support many springs and seeps during dry periods.

A-1.5 Evaluation of Ground Water Resources, South Bay, Volume 1: Fremont Study Area, Bulletin No. 118-1, 1968

This report restates many of the main points described in the DWR 1967 study described above. With regard to the deep aquifers, the report states, “The configuration of water levels in wells tapping the deeper aquifers shows a gradient towards the northwestern boundary of the Niles subarea. This suggests that ground water in the Niles subarea moves toward the north to meet water moving outward from the adjacent San Leandro Cone. The deeper aquifers appear to be recharged by infiltration of water from both Alameda and San Lorenzo creeks.” The report reemphasized the importance of understanding the nature of the connection between deep aquifers in the Niles Cone and East Bay Plain, because saline water that migrates into the deep aquifers in the Niles Cone may have potential to migrate into the East Bay Plain.

The report calculated recharge from precipitation as being 0.12 to 0.20 acre-ft per acre (AFA) for irrigated land (0.20 AFA), non-irrigated land (0.12 AFA), and municipal land (0.20 AFA). An index of wetness was developed that accounts for the effect of above/below normal precipitation. The total annual estimated precipitation recharge is 8,550 AFY over the 16-year study period from 1949 to 1965. In addition, a total of 11,500 AFY became recharge out of an average annual runoff of 69,550 AFY along Alameda Creek during the 16-year study period; an additional 2,000 AFY recharge occurred from other stream channels. Subsurface outflow to the north was considered negligible because water level data were not conclusive, and the amount was considered minor. Imported water from the Hetch Hetchy system was accounted for as recharge of applied water. Recharge from applied water to municipal land was determined to be 0.20 AFA. Recharge from applied water to agricultural land was calculated as 30 percent of applied water. Industrial lands were assumed to have no applied water recharge. Total average annual applied water recharge was estimated at 10,700 AFY for the 1949 to 1965 time period.

The report noted salinity was elevated (i.e., unsuitable for use) in individual deep aquifer wells in the northeast portion of the City of Newark and in the Alvarado area. The Alvarado area is located in the southern portion of the transition zone defined by LSCE (2003) between wells 4S/2W-9F14 and 4S/2W-10E4. The presence of high salinity in Niles Cone Deep Aquifer wells at this location in the 1960s may be related to previous heavy pumping from the Alvarado wellfield documents in Figuers (1998).

A-1.6 Ground Water Storage Capacity of a Portion of the East Bay Plain, Alameda County, California, 1994

This study provided estimates of total groundwater storage capacity (from ground surface to base of alluvium), total groundwater in storage (from water table to base of alluvium), and total usable storage capacity (volume of groundwater in storage above sea level). The methodology was based on a modified version of a method used by DWR previously, which is partially based on methods used by the USGS (Davis, 1959).

The total groundwater storage capacity was estimated to be 2,670,000 AF based on an average equivalent specific yield of about 6 percent. The total groundwater in storage was estimated to be 2,560,000 AF based on depth to water average of 25 ft (range of 5 to 40 ft) and average specific yield of 6 percent. The total usable storage capacity was estimated as 80,000 AF based on the portion of the aquifer above sea level.

Section A-2

Summary of Previous USGS Studies

Section A-2

The USGS has conducted several key groundwater basin studies in the East Bay Plain and Niles Cone Subbasins prior to and especially since 2000. EBMUD, along with the City of Hayward and ACWD, have worked with the USGS to sponsor many of these studies Several key USGS studies were reviewed and are summarized below.

A-2.1 Hydrogeology and Geochemistry of Aquifers Underlying the San Lorenzo and San Leandro Areas of the East Bay Plain, Alameda County, California, Water-Resources Investigations Report 02-4259, Izbicki, et.al., 2003

The study area of this report extended from the southern portion of Oakland to Hayward. This report characterizes an upper aquifer system to depths of 250 ft bgs and a lower aquifer system from depths of 250 to greater than 650 ft bgs; hydraulic, geochemical, and isotopic data were used to evaluate isolation of deeper aquifers. Review of groundwater responses as related to tidal change data indicated that thick clay layers effectively isolate the deeper aquifer system in the northern portion of the study area and the areal extent of shallow and deep aquifers beneath the Bay may be limited in the northern portion of the study area. The report states, “Ground-water recharge processes from infiltration of winter streamflow and more diffuse recharge processes from infiltration of precipitation occur within the study area.” The study also concluded that recharge of imported water via leaking pipes was less significant than estimated by Muir based on isotope data analysis. Isotope data also indicated relatively young water recharged after 1952 in the upper aquifer system with older water in the lower aquifer system. Groundwater from the Deep Aquifer at the EBMUD ASR site was estimated to be 9,400 years old based on isotope data; this indicates isolation from surface sources of recharge and groundwater contamination.

The main streams in the study area are San Leandro and San Lorenzo Creeks, which drain upland areas of 43 and 44 square miles, respectively. The purpose of the study was to evaluate hydrogeologic and geochemical conditions in aquifers underlying the study area, including sources of recharge, integrity of confining layers, and water quality. The study scope included: review of geophysical logs, collection of water level data, and collection of depth dependent water quality and isotope data from existing wells.

The report refers to previous studies using aquifer system terminology from Niles Cone to name EBP Subbasin aquifer units as “time-equivalent” but that “…it is not known if they are hydraulically connected to aquifers in the Niles Cone basin.” The report notes that the Fremont Aquifer in the Niles Cone encompasses sand and gravel deposits in the depth interval from 240-400 ft bgs, but this aquifer name also has been applied to sand and gravel layers as deep as 500 ft in the study area. The Deep Aquifer was defined as occurring between 500-650 ft within the study area. For the purposes of this report (and similar to shallow and deep zones as described by Muir), the upper aquifer system includes time-equivalent Newark and Centerville Aquifers and the lower aquifer system is comprised of time-equivalent Fremont Aquifer and Deep Aquifer units.

The report describes pre-development natural recharge being composed of streamflow infiltration and rainfall recharge, which Muir had previously estimated for San Leandro and San Lorenzo Cones as amounting to approximately 3,500 and 800 AFY, respectively. The report also notes, “Some recharge may have occurred to deeper aquifers as ground-water movement from the Niles Cone basin to the south." While Muir estimated 3,100 AFY of recharge from leaking pipes in the San Leandro/San Lorenzo Cones' areas, the report states, "…data presented in this report suggest that recharge from leaking pipes may be less important than reported by Muir (1996a) or may not be uniformly distributed across the study area."

Groundwater level contours for the water table between 1998 and 2000 indicate recharge from San Leandro/San Lorenzo Creeks to the aquifer system. Figure 4 of the report provides locations of major contaminant plumes and historical well fields. Review of the tidal response and groundwater levels indicated that vertical hydraulic conductivity (K) is very low and that areally extensive confining layers limit vertical movement of groundwater between aquifers; the lateral extent of the lower aquifer beneath San Francisco Bay is greater than the extended of the upper aquifer system.

The report states, "The absence of imported water in shallow wells completed in water-table aquifers underlying the East Bay Plain suggests that large amounts of recharge are not due to leaky pipes or irrigation return from lawn watering with imported water." However, the report also states that isotope data indicate possible mixing of native water with imported water; it is also possible that leaking pipe recharge is significantly greater in older urban areas and not uniformly distributed across the study area. The report states that isotope data from one of the shallow wells tested indicates irrigation return flow from lawn watering. Later in the report the authors state, "…the chemical and isotopic composition of recharge water may have been altered by partial evaporation prior to recharge and by mixing with septic discharges or irrigation return from lawn-watering with imported water."

The highest tritium values were detected in shallow wells near the mountain front and were generally absent in wells from the lower aquifer system. The report also notes, "Water within the tritium/helium-3 dating range was present only in the upper aquifer system and extended about 3 mi downgradient from recharge areas near the mountain front." In addition, carbon-14 activities were higher in the upper aquifer system near recharge areas; carbon-14 activities decreased with increasing depth and were generally lower in deep downgradient wells. In terms of major cations/anions, sodium and chloride concentrations increase while calcium/magnesium/sulfate concentrations decrease with increasing distance from recharge areas.

A-2.2 Subsurface Structure of the East Bay Plain Ground-Water Basin: San Francisco Bay to the Hayward Fault, Alameda County, California, Open-File Report 2006-1084, Catchings, et.al., 2006

This report describes a series of high resolution seismic reflection and refraction profiles near San Leandro collected in 2002. The report describes the Deep Aquifer as being thickest and most continuous south of San Leandro. The authors noted that LSCE (2003), "…proposed that a stratigraphic or structural transition partly restricts hydraulic interconnection within the Deep aquifer between the East Bay Plain and Niles Cone…" (page 3). The report further describes that LSCE (2003) identified eight distinct coarse-grained units within/adjacent to the transition zone, and that Deep Aquifer sediments may have been deposited by ancestral Alameda Creek and then moved northwest by movement along the Hayward Fault (citation to Maslonkowski, 1988; and Koltermann and Gorelick, 1992). The report also states, "Considerable hydraulic connection between the two ground-water basins has been demonstrated only in the Deep

Aquifer…", with citation to LSCE (2003). Groundwater flow in units above the Deep Aquifer were reported to be east to west towards the Bay, whereas a potential component of groundwater flow towards the north may be present in the Deep Aquifer.

A seismic transect was conducted along San Lorenzo Creek from the Bay to between I-880 and Highway 238, and it then diverged from the creek to extend perpendicular to the Hayward Fault. The seismic reflection images suggested that non-layered bedrock (likely Franciscan rock) occurs at about 650 to 2,600 ft bgs. Figure 13 from the report shows the seismic reflection profile with either lithologic or geophysical data from nearby wells. The report states, "On the basis of our correlations, we suggest that the sedimentary sequences that contain the aquifer materials in some places are continuous across the East Bay Plain, but some layers are disrupted (vertically offset) in multiple locations. Although these sedimentary sequences appear continuous across much of the East Bay Plain, we emphasize that their compositions (grain size, lithology, etc.) may vary significantly along the seismic profile. These sedimentary sequences also vary in depth, but the Deep Aquifer along profiles SL-1 and SL-6 suggest that additional thick sedimentary sequences underlie the Deep aquifer, but the water-yielding potential of these sediments cannot be obtained from the seismic data."

The authors developed a 2-D gravity profile along a transect adjacent to the seismic reflection profile, as displayed in Figure 15 of the report. It demonstrates depth to Franciscan bedrock as being approximately 3,000 ft bgs from the Bay shoreline to approximately 5,000 ft bgs inland from the Bay, where it abruptly rises to about 1,300 ft bgs from about 5,000 to 7,200 ft inland the Bay. The depth to Franciscan bedrock based on the gravity profile varies farther inland from here between about 650-1,300 ft bgs until near the Hayward Fault where it abruptly rises to about 165 ft bgs. These offsets in depth to Franciscan bedrock based on the gravity profile were attributed to faults. In general, the length of these faults could not be evaluated in this study, although the potential length of the primary fault identified is discussed further below.

Overall, the study concluded that there is evidence for several buried faults along the seismic profile, as shown by reflectors that are vertically offset. The most significant fault was identified 4,300 ft inland of the Bay shoreline, which is considered to be the fault bounding the San Leandro Basin. This is suggested to be a possible extension of the Silver Creek fault zone identified farther to the south within Santa Clara Valley.

Based on results of this study, significant coarse-grained aquifer units were not identified above the Deep Aquifer at depths that may be considered time-correlative to the Newark, Centerville, and Fremont Aquifers that are prominent in the Niles Cone Subbasin to the south. However, the correlation between well logs and the seismic reflection profile for the Deep Aquifer were strong, and the thickest section of Deep Aquifer was identified near the Bay. Farther to the northeast near San Leandro High School, study results indicated there may be fewer coarse-grained layers within the Deep Aquifer.

A-2.3 Lithostratigraphic, Borehole-Geophysical, Hydrogeologic, and Hydrochemical Data from the East Bay Plain, Alameda County, California, Data Series 890, Sneed, et.al., 2015

This report describes the drilling, logging, and installation of nested monitoring wells at four locations, drilling and installation of an extensometer station, groundwater quality and isotope sampling, and various lab tests. Nested monitoring wells were installed at two new locations (subsequently designated by EBMUD as MW-9 and MW-10), one existing location (MW-5) to supplement an existing Deep Aquifer well with shallower wells, and adjacent to the new extensometer station.

The report describes the Deep Aquifer as a 98-ft thick sequence of coarse-grained sediments, which are overlain by 500 ft of fine-grained sediments and underlain by fine-grained sediments. The Deep Aquifer is further described as being up to 140-ft thick (including fine-grained layers between coarse-grained units) and occurring within the depth interval from 500-650 ft bgs. The Deep Aquifer is thickest and most continuous south of San Leandro. The report states that EBMUD is required to show its Aquifer Storage and Recovery (ASR) project will not cause permanent subsidence or adversely impact nearby groundwater management or salinity levels. Therefore, the study objectives were to evaluate the potential for compaction/expansion of the aquifer system and establish a groundwater quality baseline at the ASR site and vicinity.

The extensometer site is located 420 ft east of the Bayside ASR wells and included three boreholes: one has an extensometer installed to 700 ft, one has an extensometer installed to 1,040 ft, and one consists of a nested well with six separate monitoring well casings. Three nested wells were installed at the Stenzel Park site (located 7,625 ft north of the Bayside ASR well) in a borehole drilled to a depth of 680 ft, three nested wells were installed at the EBMUD Yard in a borehole (located 14,600 ft east of the Bayside ASR well) drilled to a depth of 460 ft, and two nested wells were installed at the existing MW-5D (located 3,350 ft east of the Bayside ASR well) in a borehole drilled to a depth of 460 ft. Drill cuttings were collected at 5- and 10-ft intervals, and a suite of geophysical logs was collected in each borehole. Selected core samples were also collected from two of the extensometer site boreholes.

Laboratory testing included vertical K measurements, bulk density, porosity, water content, saturation values, and consolidation potential. Results from consolidation tests were used to calculate elastic and inelastic specific storages. Nine core samples were tested to determine deposition or burial ages. Cores were also inspected for foraminifera and diatom fossils to further assist with age determination. In addition, 16 core samples were evaluated for mineralogical content via x-ray diffraction, and 17 samples were evaluated using electron microscopy and inductively coupled plasma-mass spectroscopy. Pore water quality was evaluated from 20 core samples.

Slug tests were conducted in several monitoring wells; results indicated average K values of 32 ft/day in the Deep Aquifer and a K range from 0.34 to 120 ft/day in other monitoring wells. Laboratory vertical K values ranged from 0.0004 to 23.7 centimeters per day (cm/d). Consolidation test results yielded elastic specific storage values of 5.5×10^{-6} to 5.8×10^{-5} per ft with geometric mean of 1.6×10^{-5} per ft; inelastic specific storage values ranged from 7.7×10^{-5} to 8.6×10^{-4} per ft with a geometric mean of 1.9×10^{-4} per ft. The report states, “The fairly small ratios of past maximum stress to calculated effective stress indicated that, normally, the sediments are consolidated below about 135 ft." (page 32). Table 14 in the report provides detailed results for consolidation tests. Sediment ages ranged from 27,800 years old at 39 ft bgs to 169,000 years old at 163 ft bgs. The dominant clay minerals were illite and smectite. Pore water quality was generally similar to monitoring well water quality. Salinity decreased significantly below depths of 70 to 90 ft bgs, and elevated iron/manganese was detected in the Deep Aquifer. Aquifer system compaction and expansion correlated closely to groundwater level fluctuations. Sediments were normally consolidated below a depth of 135 ft bgs. The report describes time-equivalent (to Niles Cone) aquifers, and states, "It is not known if they are hydraulically connected to aquifers in the Niles Cone basin…"

A-2.4 Hydrogeologic Controls and Geochemical Indicators of Groundwater Movement in the Niles Cone and Southern East Bay Plain Groundwater Subbasins, Alameda County, California, Scientific Investigations Report 2018-5003, Teague, et.al., 2018, Version 1.1, February 2019

The primary focus of this study was to investigate the movement of a component of recharge water from Niles Cone Subbasin quarry lakes towards the north through the transition zone in the East Bay Plain Subbasin. Data utilized in the study included groundwater levels, Interferometric Synthetic Aperture Radar (InSAR), water chemistry, and isotopes (tritium/helium-3, helium-4, and carbon-14 age dating).

The concluding statement in the Executive Summary states that the observations made from analysis of data, "…may result from water recharged from different sources converging in flowpaths north of the transition zone, or a boundary to flow between the Niles Cone and southern East Bay Plain groundwater Subbasins, likely owing to changes in lithology caused by depositional patterns."

The report summarized some conclusions from previous USGS studies in the EBP Subbasin (Izbicki, 2003, Sneed, 2015): 1) most recent recharge to aquifer system was to shallow aquifers near the mountain front; 2) recharge occurs as streamflow infiltration, precipitation infiltration, irrigation infiltration, and septic discharge; and 3) large amounts of recharge from imported water in leaking pipes is not apparent (or is diffuse across the basin). The current work extends the previous work by the USGS farther south.

This study refers to Newark, Centerville, and Fremont Aquifers (essentially the upper 400 ft) as the Upper Aquifer System. The study states that Fremont-age sediments have moved 1.5 miles to the northwest from Niles Cone into EBP due to movement along the Hayward Fault (citing Maslonkowski, 1988 and Koltermann/Gorelick, 1992). Deep Aquifer sand and gravel beds are shallowest in Niles Cone (as shallow as 400 ft bgs) and deepen to the north in EBP (typically 500-650 ft bgs). Citing Koltermann and Gorelick (1992), the study authors suggest that the source of Deep Aquifer coarse-grained sediments in the EBP Subbasin is Alameda Creek (with fault movement shifting sediments to the north).

Predevelopment recharge was stated to be from streamflow infiltration from San Leandro, San Lorenzo, and Alameda Creeks and precipitation recharge. The study cites Muir 1996 estimates of 3,500 AFY streamflow recharge and 800 AFY precipitation recharge for the San Leandro/San Lorenzo Cones' areas, 14,000 AFY for Alameda Creek recharge, and 0 to 7,400 AFY precipitation recharge in Niles Cone.

As the region became more urbanized over time, surface water supplies from outside the basins were developed, agricultural pumping using groundwater decreased, recharge from landscape irrigation with imported water increased, and groundwater levels recovered. In 1917, 1,450 wells in Niles Cone pumped 19,000 AFY of groundwater. In 1960, 1,042 wells in Niles Cone pumped 46,500 AFY of groundwater. In 1990, it was estimated that groundwater pumping in Niles Cone was 32,000 AFY.

Groundwater levels were collected for the study during Spring/Fall 2002. Both the Upper Aquifer system and Lower Aquifer system groundwater contour maps show radial flow away from the quarry pits (northwest, west, south, and southeast) with steeper contours to the south and southeast towards Aquifer Reclamation Project (ARP) wells and Mowry Well Field. Heads in Upper Aquifer system are generally on the order of 20 ft higher than in Lower Aquifer System. The study indicates a lack of Upper Aquifer System wells being available north of Old Alameda Creek because of dominance of fine-grained sediments in this depth zone in this area.

ACWD dewatered the quarry ponds by pumping 7,700 AF of pond water to Alameda Creek between April 10, 1997 and July 29, 1997. After pond reconstruction, ponds were refilled with water from Alameda Creek, ARP well pumping was reduced, and a wet winter ensued in 1997-1998. Groundwater levels in the shallow and deep aquifer systems in Niles Cone increased about 20 ft from Summer 1997 to Winter 1998.

Synoptic streamflow monitoring during April 2002 indicated a losing reach near the quarry ponds and gaining reach downstream of the quarry ponds with a net gain to Alameda Creek of 3.5 cfs (to stream or aquifer), which translates to 1,270 AFY (compared to total basin recharge estimate of about 30,000 AFY).

The primary purpose of water sample collection/analysis was to evaluate the effects of managed aquifer recharge (MAR) on groundwater in the Niles Cone and EBP Subbasins. “Water recharged at Quarry Lakes primarily affects the uppermost and adjacent wells…The major-ion and chloride-to-iodide data for water from Deep aquifer wells adjacent to Quarry Lakes is characteristic of groundwater intruded by seawater, indicating that water recharged at Quarry Lakes is not a major source of recharge to the Deep aquifer.” However, based on noble gas analysis, “Presently, the Deep aquifer wells near Quarry Lakes are recharged from the shallow aquifer…” Noble gas analysis also indicates, “… recharge in the area south of San Lorenzo Creek is from areal recharge from precipitation.” Groundwater to the north of study area was indicated to be recharged (based on noble gases) from San Lorenzo and San Leandro Creeks (USGS, 2003). O^{18} and deuterium data indicate groundwater in southern EBP Subbasin is from areal recharge (i.e., precipitation) rather than Quarry Lakes recharge.

Overall, the key findings and conclusions of the study were:

- “The largest changes in Major-ion composition, accompanied by increases in pH, occur between wells 4F3 (MW-B-Deep) and 4E1 (Well E).”
- “Groundwater velocities calculated from interpreted carbon-14 ages range from 3 to 12 ft/yr in the Deep aquifer of the Niles Cone groundwater subbasin and decrease to as little as 0.5 ft/yr near the transition to the southern East Bay Plain groundwater subbasin.”

- “These results are consistent with lithologic changes (LSCE, 2003) within the transition zone that separates the two groundwater subbasins and acts to limit flow between the Niles Cone and southern East Bay Plain groundwater subbasins. Because the converging flowpaths and lithologic changes at the transition zone restrict movement of groundwater from the Niles Cone groundwater subbasin into the East Bay Plain groundwater subbasin, water recharged at the Quarry Lakes likely remains within the Niles Cone groundwater subbasin.”
- “Changes in the slope of the water-level contours near the transition zone between the Niles Cone and southern East Bay Plain groundwater subbasins are consistent with changes in lithology, or could indicate structural features such as faults or folds that restrict groundwater flow.”
- “…water recharged at Quarry Lakes directly affects water levels and water quality in wells in the vicinity of the recharge facility, and that water likely remains within the subbasin.”

Section A-3

Summary of Previous Agency/Consultant Studies

Section A-3

In addition to studies conducted by DWR and USGS, there have been many important consultant hydrogeologic studies conducted in the East Bay Plain Subbasin (and the neighboring Niles Cone Subbasin). Many of these studies were conducted on behalf of EBMUD, City of Hayward, and ACWD. There are also some important academic-related references conducted for the East Bay Plain and Niles Cone Subbasins. Some of the key consultant and academic studies are summarized below.

A-3.1 Groundwater in the San Leandro and San Lorenzo Alluvial Cones of the East Bay Plain of Alameda County, Maslonkowski, 1984

Maslonkowski (1984) described aquifers in the San Leandro and San Lorenzo alluvial cones as being comprised of two zones: the upper zone in the upper 400 ft of sediments is comprised of three confined aquifers considered equivalent to the Newark, Centerville, and Fremont Aquifers in Niles Cone to the south; and the lower zone below 400 ft containing a greater thickness of water-bearing deposits. The upper zone was described as consisting of discontinuous sand and gravel units extending westward under San Francisco Bay and capped by clay layers. The lower zone was characterized as thickening to the south and interpreted as possibly being sourced from the ancestral Alameda Creek combined with northward movement along the Hayward Fault.

The report noted that groundwater levels in the shallow zone were stable over the previous 30 years, while groundwater elevations in the lower aquifers had been gradually increasing over the past 20 years (i.e., mid-1960s to mid-1980s). The report classified aquifer zones within the San Leandro/San Lorenzo Cones as shallow aquifers less than 50 ft deep, the Newark-equivalent Aquifer from 30 to 100 ft deep, the Centerville-equivalent Aquifer from 130 to 220 ft deep, the Fremont-equivalent Aquifer from 250 to 400 ft deep, and deeper aquifers greater than 400 ft deep. Aquifers within the upper 400 ft were noted to be confined to their respective alluvial cones in terms of lateral extent, whereas aquifers deeper than 400 ft were noted to extend across subarea boundaries.

Shallow aquifers in the upper 50 ft were noted to be comprised primarily of silty sand with many small capacity irrigation wells (for lawn and garden irrigation) tapping this zone having well capacities of less than 35 gpm. The report cites a specific typical well in this zone (2S/3W-26H1) with a perforation interval of 20 to 30 ft bgs having a well yield of 20 gpm with drawdown of 14 ft. This well production equates to a specific capacity of 1.4 gpm/ft and an estimated transmissivity of about 2,000 gpm/foot for an unconfined aquifer. Recharge to shallow aquifers was indicated to be primarily from rainfall recharge, irrigation recharge, and streamflow infiltration.

The Newark-equivalent Aquifer was stated to be capped by a 25 to 60 ft clay layer, and is comprised of interfingering sand and gravel lenses separated by 5-10 foot thick clay beds. Typical well yields are 20 to 100 gpm, with a cited typical well (3S/2W-34K6) with perforations 84 to 96 ft bgs having a well yield of 80 gpm with 60 ft of drawdown. This equates to a specific capacity of 1.3 gpm/foot and an associated transmissivity of about 2,500 gpd/ft for a confined aquifer. This aquifer zone was considered to receive recharge from stream infiltration in the upper portion of the cone, leakage across the clay layer, and seepage across the Hayward Fault Zone. The report also stated, “Provision was made for recharge from the concrete-lined channel portion of San Lorenzo Creek.”

The Centerville-equivalent Aquifer was stated to occur between -100 and -250 ft msl, and the Fremont-equivalent Aquifer between -250 and -375 ft msl. These depth zones were stated to be comprised of individual 5 to 60 ft thick sand and gravel lenses. These sand/gravel aquifer units were considered to be confined and possibly extend beneath San Francisco Bay. These aquifer zones were characterized as being deposited under much higher rainfall and stream discharge conditions, thereby resulting in thicker and more continuous sand/gravel units. Typical well yields from these aquifer units were stated to be 200 to 600 gpm. A typical Centerville-equivalent Aquifer was cited as well 2S/3W-26M1, with perforations from 113 to 293 ft bgs and a well yield of 530 gpm with drawdown of 80 ft. This well had a specific capacity of 6.6 gpm/ft and an estimated transmissivity of about 13,000 gpd/ft. Recharge to these aquifer zones was considered to be leakage from overlying units and lateral flow from adjacent “groundwater bodies.”

Aquifers below 400 ft were noted to be comprised of relatively thick and continuous sand and gravel units with well capacities ranging from 200 to 2,000 gpm. A typical deep aquifer well was cited as Well 3S/2W-32H2, with perforations from 450 to 520 ft bgs and a well capacity of 800 gpm with 24 ft of drawdown. This equates to a specific capacity of 33 gpm/ft and transmissivity of 66,000 gpd/ft. Recharge to deeper aquifers was stated to occur via leakage from overlying aquifers and lateral subsurface flow from adjacent areas. Groundwater levels in the Newark-equivalent Aquifer were described as fairly constant over the last 30 years (i.e., mid-1950s to mid-1980s), whereas lower aquifers had gradually rising groundwater elevations over the last 20 years (i.e., mid-1960s to mid-1980s). The rise in lower aquifer groundwater levels was attributed to decreasing agricultural pumping due to expansion of urban development.

A-3.2 Groundwater Resources Reports for City of Hayward, Brown and Caldwell, 1984 and 1986

Brown and Caldwell (BC, 1984 and 1986) conducted groundwater resource studies for the City of Hayward as part of an overall feasibility study for installation of emergency water supply wells. BC described the City of Hayward as being located in the middle of the San Lorenzo alluvial cone, bordered to the north by the San Leandro alluvial cone, and bordered to the south by the Niles alluvial cone. BC described groundwater as occurring primarily in discontinuous sand and gravel beds confined by overlying and interbedded clay layers. Some localized occurrences of shallow unconfined groundwater occur along the base of the East Bay Hills and at higher alluvial fan elevations. BC referenced the upper zone stratigraphy described by Maslonkowski, and noted the Niles Cone “equivalent” aquifers were notably less productive than in the Niles Cone due to smaller areal extent and thinner coarse-grained layers. Upper zone aquifers in the San Lorenzo Cone were indicated to be hydraulically separate from Niles Cone upper aquifers. BC noted that deeper zone aquifers for San Lorenzo Cone and Niles Cone exhibit similar characteristics. BC defined the upper and lower zones slightly differently than Maslonkowski; the upper zone was described as being the upper 300 ft of sediments and the lower zone as being the 300-600 ft depth interval.

Upper zone wells were reported to have well yields generally less than 250 gpm. Lower zone and composite (screened in both upper and lower zones) wells were reported to generally have well yields between 500 and 1,000 gpm, although some lower/composite zone wells yielded greater than 1,000 gpm. Specific capacities for upper zone wells were reported to range from 1 and 20 gpm/ft with an average of 6 gpm/ft. Specific capacities for composite zone wells ranged from 3 to 89 gpm/ft with an average of 27 gpm/ft. Specific capacities for lower zone wells ranged from 33 to 49 gpm/ft with an average of 42 gpm/ft. Using a conversion factor of 2,000 times specific capacity, transmissivity values were estimated to average 12,000 gpd/ft for the upper zone, 84,000 gpd/ft for the lower zone in the southwestern portion for the City of Hayward, and 54,000 gpd/ft for composite wells.

Groundwater quality data for upper and lower zone wells were available primarily for wells in the western portion of the study area. Upper zone wells were indicated to have TDS concentrations in the range of 540 to 1,860 mg/L, whereas lower zone wells had TDS in the range of 250 to 630 mg/L. Nitrate concentrations were quite variable in the upper zone wells (with some exceeding the MCL), while nitrate concentrations were relatively low in lower zone wells.

The BC 1986 report describes the drilling of seven borings and geophysical logging in the City of Hayward and pumping tests conducted on existing Well 9. The borings were drilled to determine the best sites for potential new emergency production wells. The Deep Aquifer (described in the report as the “Hayward Unit”) was found to be present at borings B1, B3, B4, B6, and B7. Borings B2 and B5 are located in the eastern portion of the City of Hayward and encountered bedrock at depths of 356 and 429 ft bgs.

The report described hydrostratigraphy of the San Lorenzo Cone using naming conventions that denoted various units as “equivalent” to nomenclature developed for the Niles Cone. The hydrostratigraphy was described as an Upper Zone from ground surface to an elevation of -295 ft msl, which included a Shallow Unit (bottom elevation -55 ft msl), Newark Unit (bottom elevation -125 ft msl), and Centerville Unit (bottom elevation -295 ft msl). The Lower Zone included the Fremont Unit (bottom elevation -415 ft msl), Hayward Unit (bottom elevation -535 ft msl), and Lower Unit (bottom elevation -820 ft msl). The term “Hayward Unit” was used to refer to “Deeper Aquifers” described in other reports.

The report also documented step-drawdown and constant rate pumping tests conducted on the existing Hayward Well 9. Well 9 was drilled in 1956 with multiple perforation intervals ranging from 156 to 536 ft bgs. Step test pumping rates ranged from 567 to 2,076 gpm (90 minute duration per step), and the constant rate test pumping rate was 1,202 gpm (for a duration of 18 hours). Step test specific capacities were 33 gpm/ft at the lowest rate and 21 gpm/ft at the highest rate, and the constant rate test specific capacity was 26.5 gpm/ft. BC calculated transmissivity values for the constant rate test were 29,000 to 35,400 gpd/ft, although they estimated an actual transmissivity value of 50,000 to 60,000 gpd/ft after accounting for well inefficiency (and agreed with transmissivity value determined from the first step of the step drawdown test). A water quality sample collected from Well 9 during the pumping test showed a TDS concentration of 378 mg/L, chloride at 27 mg/L, nitrate (as NO3) at 0.9 mg/L, and manganese above the MCL at 0.090 mg/L.

A-3.3 Geohydrology and Groundwater Quality Overview, East Bay Plain Area, Alameda County, California, 205(J) Report, Hickenbottom and Muir, 1988

The overall objective of this study was to evaluate vulnerability of the basin to contamination from leaking underground storage tanks. The East Bay Plain study area defined in this report comprised about 222 square miles, with 108 square miles of mountainous uplands and 114 square miles of relatively flat alluviated lowlands from Hayward to Albany. The study states that, at this time (1987), most groundwater pumping in the EBP Subbasin was used for irrigation or industrial purposes, whereas little groundwater was pumped for domestic purposes and municipal water was provided from surface water outside the basin by EBMUD and Hayward. The report states saltwater intrusion occurred in limited areas, mostly within the San Leandro and San Lorenzo areas. Groundwater levels were noted to have recovered by 95 ft between 1962 and 1987.

ACFCD collected rainfall data from 67 stations; 17 of these were recording rain gages. An isohyetal map showed 16 to 22 inches/year over the lowland areas and up to greater than 26 inches in the mountains/hills. The average precipitation over the entire area was estimated at 23 inches/year. There were four available streamflow data stations operated by ACFCD/USGS: Castro Valley Creek, Cull Creek (above reservoir), San Leandro Creek (above reservoir), and San Lorenzo Creek at Washington Blvd.

Four small water systems known at this time included: Trailer Haven Mobile Park, 2399 E. 14th St., San Leandro, 165 connections; Norris Canyon Water System, 8217 Norris Canyon Rd, Castro Valley; The Sequoians, 11200 Cull Canyon Rd., Castro Valley; Mohrland Mutual Water, 25256 Monte Vista St., Hayward. There were records of 545 domestic wells on file with ACFCD with depths from 40 – 596 ft and located primarily in unincorporated areas; it was not known how many were in use at the time of this study. It was noted there were an estimated 900 irrigation wells; many of these wells were drilled in 1976-77 drought and included deeper irrigation wells used by nurseries, golf courses, parks, and agriculture. Records of 100 industrial wells from 25 – 487 ft deep, located mostly in the northern part of study area, were used for cooling/processing of food products and washing down equipment/work areas.

Geologic cross-sections through San Lorenzo and San Leandro Cones show depth to bedrock ranging from 400 – 500 ft bgs near Hayward Fault and about 1,000 ft bgs near the Bay margin. The geologic cross-section through Oakland shows Hayward Fault within bedrock area, and the eastern edge of the alluvium is less than 100 ft thick to about 750 ft thick near the Bay margin. The geologic cross-section through Berkeley shows a thickness of alluvium from about 100 ft near Hayward Fault to about 250 ft thick near the Bay margin. A regional East-West geologic cross-section through San Francisco Bay to the west bay shows an asymmetric basin that is deepest near the East Bay Plain bay margin. Holocene geologic units included Younger alluvium, Fluvial deposits, Interfluvial basin deposits, and Bay mud, which are all either low permeability and/or shallow units (generally each unit is less than 50 ft thick) with limited saturation. Pleistocene units include Merritt Sand (up to 65 ft) and Older alluvium (up to 1,100 ft thick). The Older alluvium is the primary water bearing unit throughout the basin. Pliocene and older rocks are bedrock of low permeability related to fractures and include sandstone, shale, chert, volcanic rock, serpentine, and conglomerate (Tertiary, Cretaceous, and Jurassic age). Wells with yields of several gallons per minute for domestic/stock use have been developed in bedrock areas.

The Older alluvium is comprised of poorly consolidated to unconsolidated clay, silt, sand, and gravel derived from successive coalescing alluvial fans. Estuarine and marine deposits are found near the base of Older alluvium near the Bay. Muir generally characterized the Older alluvium as made of a series of thin clay, sand, and gravel beds towards the east portion of the EBP near the Hayward Fault, whereas there were fewer but thicker sand/gravel beds in the central/western portion of the EBP separated by thick clay beds. Older alluvium is thickest (1,100 ft) beneath San Lorenzo/San Leandro and decreases to 700 – 800 ft thick beneath the Oakland area and to only 200 ft thick in Berkeley. Muir also indicated that sand/gravel beds in central/western areas contain less clay/silt. Two example lithologic/geophysical logs are provided for 3S/2W-16P2 and 3S/2W-29L2. The lowest yields in Older alluvium are in the northern portion of EBP and the highest yields are in the central/southern areas.

The Hayward Fault has brought bedrock into contact with unconsolidated alluvium thereby forming a low permeability eastern boundary to groundwater movement. The Castro Valley area east of the Hayward Fault has Older alluvium up to 80 ft thick. Muir characterized it as primarily fine sand and silt with lesser areas of coarser sand in upstream areas. Castro Valley wells likely would provide enough water for lawn/garden irrigation. Muir references DWR (1960) characterizing the Niles Cone as having the Newark/Centerville/Fremont Aquifers in the upper 400 ft of the groundwater system and the Lower Aquifers being below 400 ft.

Groundwater occurrence is primarily limited to Older Alluvium. Smaller amounts of groundwater can be obtained from Merritt Sand, Older alluvium in Castro Valley, and Younger alluvium; however, such water should only be used for lawn/garden irrigation and other non-potable uses due to thin, permeable, near surface deposits susceptible to contamination from sewer systems, storm runoff, leaking tanks, etc. Small amounts of groundwater for domestic supply are obtained by some from bedrock. Most groundwater available in the EBP Subbasin comes from Older alluvium in the San Lorenzo and San Leandro Cones' areas. A considerable amount of groundwater was thought to occur in Older alluvium under the Bay, which is protected from seawater intrusion by the overlying Bay Mud. Review of well logs and pumping yields indicated the most productive sand/gravel beds occur in the lower two-thirds of the Older alluvium.

Groundwater in the Merritt Sand, Younger alluvium, and Older Alluvium in Castro Valley occurs under unconfined conditions. Most groundwater in the Older alluvium in the EBP Subbasin occurs under confined conditions; the possible exception to this is unconfined to semi-confined groundwater along the eastern edge adjacent to the Hayward Fault.

Under natural pre-development conditions (1920s), groundwater flowed west and southwestward from the Hayward Fault to San Francisco Bay. Heads in confined aquifers were above ground surface at the Bay margin and resulted in upward movement of groundwater through overlying clay layers. As of Spring 1987, groundwater levels in the upper 200 ft ranged from highs of 30 ft msl near the Hayward Fault to 20 ft msl or less in the middle to western portion of the basin. Groundwater levels below 200 ft depths were about -20 ft msl in the central portion of the basin with lower elevations in the western portion of the basin near the Bay. Muir noted that sand/gravel beds are generally more continuous in the lower part of the Older alluvium than in the upper part. The predevelopment upward flow direction within Older alluvium was noted to have been reversed to a downward vertical flow direction for many years (as of 1988). As of 1987, a head difference of about 40 ft was noted from the upper to lower portions of the Older alluvium. Muir noted that some groundwater flows across the Hayward Fault from Castro Valley and some groundwater flows from bedrock into Older alluvium, although neither of these hypotheses was quantified.

Muir noted that recharge is derived from rainfall on the East Bay Plain and surrounding hills; main components include: stream seepage, soil infiltration, subsurface inflow from adjacent areas and bedrock, excess irrigation water, lawn and garden watering, and leaking sewer lines. The unconfined aquifers (Merritt Sand and Younger alluvium) receive recharge from most of these sources. The confined aquifers in the Older alluvium receive direct recharge from stream seepage near the apex of San Leandro/San Lorenzo Cones (near Hayward Fault), from near the fault in the Oakland/Berkeley areas, and also potentially from lateral subsurface inflow. Muir indicated that extensive clay deposits overlying deep aquifers in the Older alluvium may limit seepage from upper zone sand/gravel units.

Muir stated that the controlling factors for rainfall infiltration and stream seepage are land/stream slope, soil/streambed type, and geology beneath soil zone/streambed. Other elements affecting recharge include: vegetation, paving, rainfall duration/intensity, angle of rainfall to land surface, and soil moisture conditions prior to rainfall events.

Muir characterized groundwater discharge as natural (evapotranspiration, stream discharge, subsurface outflow to Bay, and spring discharge) and artificial (pumping). Under undeveloped conditions, subsurface outflow to the Bay was probably the primary source of discharge. Historical references refer to freshwater boils and springs in the Bay. Increased groundwater pumping for irrigation and public supply occurred from 1920 through 1960; this resulted in declining groundwater levels and reduced natural discharge. Groundwater pumping declined since the 1960s, resulting in groundwater level recovery in the basin. At one time, groundwater was the main source of water within the basin and large amounts were pumped; however, EBMUD became the primary domestic/industrial water supplier for the basin using surface water sources developed outside the basin. Urban development replaced farms and the amount of water used for irrigation decreased substantially. The main use of groundwater for irrigation as of 1988 was for nurseries and golf courses. A few small water systems also (as of 1988) used groundwater for their water supply.

Selected hydrographs show groundwater levels generally from 8 to 12 ft msl for a well screened in the upper 120 ft and near the Bay; levels were not substantially impacted by historical groundwater pumping. An intermediate zone well screened 303-327 ft bgs shows low elevations of -100 ft msl in the early to mid-1960s; groundwater elevations were recovering to -20 to -25 ft msl by 1987. An intermediate-deep zone well screened 350-685 ft bgs showed low elevations of -135 ft msl in the early 1960s; groundwater elevations were recovering to -20 to -25 by 1987.

Muir looked at long-term historical groundwater level data from DWR Bulletin 13 (1963) and more recent (as of 1988) Alameda County groundwater level data for the lower portion of aquifer system and noted the following:

1) Water level decline of about 10 ft between 1920 and 1935;
2) Water level rise of about 8 ft between 1935 and 1943;
3) Water level decline of about 120 ft from 1943 to 1962; and
4) Water level rise of about 95 ft from 1962 to 1987.

The above represents a net decline of about 25-30 ft from 1920 to 1987. As of 1987, depth to water in shallow wells ranged from 5-20 ft, whereas depth to water in deep wells ranged from 20-60 ft bgs (with shallower depths to water occurring near the Bay).

Muir's review of data from well drillers showed specific capacities from less than 1 gpm/ft to greater than 30 gpm/ft and well yields from less than 1 gpm to greater than 2,000 gpm. These data showed highest values for intermediate to deep zones in Older alluvium and lowest values for Merritt Sand and Younger alluvium.

Muir made a rough estimate of usable groundwater storage by including only water stored above mean sea level (assumed 10 ft), area of EBP (114 square miles), and specific yield (7 percent). This results in approximately 51,000 AF. Some seawater intrusion was noted historically in the San Leandro/San Lorenzo areas in the shallow aquifer near the Bay and in the Merritt Sand in the Oakland/Alameda area. Overall groundwater quality was noted to have TDS concentrations ranging from 300 to 1,000 mg/L; the water type was dominantly calcium-sodium bicarbonate. Shallow aquifers at some locations have also been impacted by nitrate, although the distribution/source of nitrate is not well documented.

As of 1988, ACFCD was monitoring 12 wells for levels and quality, 16 wells for levels only, and 8 wells for quality only. Water levels were being measured twice a year and quality samples are collected every two years. Well construction data were available for 13 of the 36 monitoring wells in the network, and well depths were available for most of the other monitoring wells. DWR had established this monitoring network in the 1950s/1960s for saltwater intrusion studies being conducted at that time.

The ACFCD database of wells shows the following: 545 domestic wells from 40-596 ft deep, 945 irrigation wells from 80-834 ft deep, 121 industrial wells from 25-487 ft deep, and 12 municipal wells from 40-1,025 ft deep.

Alameda County groundwater protection ordinance No. 73-68 was enacted in July 1973, and this sets standards for construction, repair, reconstruction, destruction/abandonment of wells. It is administered by ACFCWCD Zone 7. Well construction for City of Emeryville and City of Berkeley are regulated by City Building Codes.

A-3.4 Groundwater Recharge in the East Bay Plain Area, Alameda County, California, K. Muir, 1994

This study was conducted for Alameda County Flood Control and Water Conservation District. The study area encompassed approximately 222 square miles in Alameda and Contra Costa Counties, including about 108 square miles of uplands and 114 square miles in the lowlands (about 73,000 acres) in the East

Bay Plain area of Alameda County (about 73,000 acres). The study area extended from the Hayward Fault on the east to San Francisco Bay on the west, and from Albany in the north to Hayward in the south. Precipitation was noted to range from 16 inches at lower elevations to 26 inches at higher elevations, with an average annual precipitation of 23 inches. San Lorenzo and San Leandro Creeks were noted to be the major drainages in the study area.

The primary sources of recharge were noted to be rainfall infiltration, stream seepage, pipe leakage, agriculture return flows, and subsurface inflow. Most of the recharge estimates for the study were based on existing data at the time and correlation with studies/results in other areas similar to the East Bay Plain. It was noted that, “All estimates made were weighted on the conservative side.”

The rainfall infiltration analysis was based on the following steps: 1) determine the acreage for good and fair recharge areas (poor recharge areas were not included); 2) divide the San Leandro Cone into two units (Bay Farm-Airport and Plain areas) due to differences in land use and rainfall; 3) determine acreages of different land-use categories in good/fair recharge areas based on residential, commercial, industrial, and undeveloped categories; 4) develop weighted composite-runoff factor for each groundwater subarea based on ACFCWCD hydrologic design criteria and acreage of the four land uses; 5) calculate amount of available water over good/fair recharge areas based on long-term rainfall records; 6) calculate yearly runoff from above two items for each groundwater subarea, 7) develop average effective yearly evapotranspiration (ET) value using long-term climate data for East Bay Plain and correlation with ET studies in similar areas, resulting in an average ET of 8 inches/year, and calculation of water lost to ET by subarea; 8) calculate groundwater recharge as available water from rainfall less runoff and ET. The resulting rainfall recharge for the study area was 3,700 AFY.

The stream infiltration analysis was based on the following steps: 1) delineate East Bay Plain streams; 2) determine stream lengths from Hayward Fault to Bay; 3) delineate lengths of seepage restricting improvements (e.g., concrete channels); 4) calculate the unlined length of stream channels; 5) adjust stream lengths to allow seepage primarily in good/fair recharge areas delineated in rainfall infiltration analysis; 6) calculate stream gradients from topographic maps; 7) estimate average width of stream beds available for seepage based on field inspection; 8) evaluate streambed sediment type by field inspection; 9) estimate average number of days with flow in streams per year based on available streamflow and rainfall records; 10) calculate the surface area of streambeds available for seepage; 11) determine potential seepage rates for each stream (ft/day) based on stream gradients and alluvial fan/stream channel curve; 12) calculate daily potential seepage for each stream based on surface area and seepage rates; 13) calculate yearly seepage for each stream as daily potential seepage by average number of days per year with flow. The report states, “It was estimated from stream flow data for San Lorenzo Creek and long-term rainfall patterns that, on the average, there would be sufficient flow in the streams to induce seepage during the period December 1 thru March 31. This 121 day period, although based on somewhat meager data, probably is near the long-term average.” The results indicated average annual recharge from stream seepage of about 6,200 AFY.

Water pipe leakage is a significant potential source of recharge in urban areas; the average pipe leakage in the United States is estimated to be approximately 10 percent. Muir estimated water pipe leakage based on data provided by EBMUD and the City of Hayward. Data from EBMUD for 1993 indicated delivery of 92,800 AF of water to communities in the study area and a leakage rate of 5 percent; this amounts to total leakage of 4,600 AF in 1993. The City of Hayward was delivering about 15,300 AFY and it was assumed that a leakage rate of 5 percent was a reasonable assumption; this results in calculated water pipe leakage of 770 AFY for City of Hayward. The total pipe leakage was estimated to be approximately 5,400 AFY. The report states that the amount of pipe leakage recharging groundwater is unknown and acknowledges that some pipe leakage likely migrates into storm drains and discharges into the Bay.

Sewer pipe leakage was estimated based upon discharge records from four sewer treatment plants and records of potable water usage. The estimated national average sewer pipe leakage rate of 5 percent was used to calculate a total of 4,500 AFY of sewer pipe leakage. Leakage from storm drains was not included due to storm drains only having flow for brief periods of time.

Other sources of recharge calculated in the study were relatively minor and included: 200 AFY of agricultural return water (based on 1,000 acres of golf courses and parks) and 200 AFY of subsurface inflow. It was noted that although there were only 14 acres of row crops and nurseries in the study area in 1994, there had been over 15,000 acres of irrigated crops in the East Bay Plain area in the mid-1960s. Thus, agricultural return flows were an important element of the water budget in the past.

A summary of recharge components for the East Bay Plain study area provided in the report is provided below.

Table A-1: Recharge Components

Groundwater Subarea	Rainfall Infiltration	Stream Seepage	Subsurface Inflow	Agricultural Return Water	Wage Pipe Leakage	Sewer Pipe Leakage	Total
Berkeley Alluvial Plain	700	1,400			800	700	3,600
Oakland Upland, Alluvial Plain, Merritt Sand	2,200	1,300			2,900	2,400	8,800
San Leandro Cone	600	1,900			600	500	3,600
San Lorenzo Cone	200	1,600			1,100	900	3,800
Not Specified			200	200			400
Subtotals	3,700	6,200	200	200	5,400	4,500	20,200

Note: Units are acre-ft/year.

A-3.5 Groundwater Discharge in the East Bay Plain Area, Alameda County, California, Muir, 1996a

Muir described the primary components of groundwater discharge (as of 1995-1996) as including subsurface outflow underneath/to the Bay and groundwater pumping.

The steps involved in calculating subsurface outflow to the west were as follows: 1) obtain hydraulic conductivity values from existing references; 2) evaluate average groundwater levels at the Bay margin for each groundwater subarea for the unconfined and confined zones; 3) determine groundwater gradient from groundwater contour maps; 4) calculate average thickness of unconsolidated deposits at Bay margin, 5) determine width of each subarea at the Bay margin; 6) calculate saturated thicknesses at Bay margin with depth limited to 600 ft bgs; 7) determine transmissivity (T) values for 5-200 ft zone and 200-600 ft zone based on items above (K values and thickness). Total discharge at the Bay margin in 1995 was calculated to be 13,500 AFY.

Groundwater pumping was divided into agricultural, domestic, or industrial uses. Agricultural pumping included golf courses, cemeteries, schools/colleges, parks, and crops. As of 1995, it was found that only two golf courses were pumping groundwater for a combined total of 390 AFY; the remaining golf courses were using either recycled water or water stored in lakes from rainfall runoff. It was determined that three cemeteries used well water for irrigation for a total groundwater use of 450 AFY. Several high schools and colleges were determined to irrigate athletic fields with groundwater at a total of 20 AFY. While a number of parks were determined to have wells for irrigation purposes, it was concluded that there was little use of the wells and total park pumpage was estimated to be 25 AFY. There were only 14 acres of row crops and hot houses in 1995; total estimated pumping was 25 AFY. Total groundwater pumping for agricultural use was estimated at 910 AFY in 1995.

Domestic water uses in 1995 included individual domestic wells, mutual water association wells, and several private water system wells. Individual domestic well water use was difficult to estimate but available data and various assumptions were used to estimate the total pumpage from this group of wells. Most of this pumping is from shallow residential wells 50-100 ft deep for lawn and garden irrigation. Available data provided by EBMUD included information on back-flow valves required on any residential services that have a well connected to house plumbing. It was assumed that 60% of these domestic wells pumped in any one-year period. Data from a 1987 Department of Toxic Substances Control (DTSC) domestic well use survey in an area within San Leandro yielded data on 31 wells, which reported total yearly pumping of 8.2 AF (average of 0.26 AFY per well). The study determined the number of registered domestic wells by the City, including a factor for unregistered wells, and applied factors of 60 percent of wells pumping at 0.26 AFY per well to obtain total individual domestic well pumping of 456 AFY in 1995. Additional sources of groundwater pumping for domestic use in 1995 included 69 AFY of pumping by Mohrland Mutual Water Association in West Hayward, 60 AFY of pumping by individual domestic wells in the City of Hayward (and therefore not accounted for in EBMUD data), and 32 AFY of pumping by private domestic water systems. The total domestic groundwater pumping was estimated at 617 AFY as of 1995.

Industrial groundwater pumping included industrial pumping and remediation projects. Information/data on industrial well pumping was provided both by EBMUD, DTSC, San Leandro Water Pollution Control District, and Hayward Sewage Treatment Plant. County files on individual industrial wells were reviewed and individual industrial businesses were contacted to determine if they used groundwater. Study results found that ten industrial facilities pumped a total of 1,015 AFY as of 1995. Industrial groundwater uses, with wells deeper than 200 ft were primarily for food processing and product manufacturing. It was also estimated that approximately 60 remediation projects pumped approximately 800 AFY from wells less than 100 ft deep. Thus, total industrial groundwater use in 1995 was 1,815 AFY.

The total groundwater pumping for 1995 amounted to 3,350 AFY from agricultural, domestic, and industrial uses. This pumping estimate was stated to likely be valid for 1990-1995 and subsequent to 1995. However, it was noted that in the mid-1960s, groundwater pumping was much greater with 14,000 acres of crops irrigated with groundwater and over 50 industrial wells in operation (compared to 10 industrial wells in 1995). Subsurface outflow in the mid-1960s would have been substantially less than 1995 due to lower groundwater levels and gradients.

Table A-2: Discharge Components based on Muir 1996 study

Subbasin Area	Agricultural Pumping	Domestic Pumping	Industrial Pumping	Discharge at Bay Margin (Upper 200 Ft)	Discharge at Bay margin (200-600 Ft)	Total
Berkeley Alluvial Plain				949	1,601	2,550
Oakland Upland, Alluvial Plain, Merritt Sand				2,351	2,902	5,253
San Leandro Cone				1,011	1,635	2,646
San Lorenzo Cone				1,832	1,390	3,222
Not Specified	910	620	1,820			3,350
Subtotals	910	620	1,820	6,143	7,528	17,021

Notes: Units are acre-ft/year

A-3.6 Groundwater Yield in the East Bay Plain Area, Alameda County, California, Muir, 1996b

Muir defined the groundwater yield as the average annual pumpage that does not exceed the long-term average annual inflow less the amount of discharge to the Bay required to prevent seawater intrusion. The calculated groundwater yield for the East Bay Plain was estimated to be 10,000 AFY; seawater intrusion is the limiting factor. This definition is complicated by the fact that the basin contains groundwater in storage in both unconfined and confined aquifers. It was noted that groundwater development leading to groundwater levels below sea level has occurred with apparently limited adverse impacts.

The groundwater yield calculation was based on data from 1965 to 1995 for rainfall, groundwater hydrographs (the report provides six long-term hydrographs with data from 1950s to 1995), and historical water use. The 1965 to 1995 time period had a significant land use transition from industrial-agricultural to urban growth. The importation of surface water from outside the East Bay Plain caused a dramatic reduction in EBP groundwater use after the early 1960s. Groundwater levels during this period rose up to 10 ft in the unconfined zone and 60–90 ft in the confined zone.

Muir estimates that groundwater storage increased by 25,000 AF between 1965 and 1995. The water balance as of 1965 was estimated to be 30,000 AF of inflow and 81,000 AF of outflow. The 1995 water balance was estimated at 46,000 AF of inflow and 43,000 AF of outflow. ET is included as an outflow in Muir's calculations. However, other details of these calculations were not provided. Based on available information in the report, it appears that total groundwater pumping in 1965 may have been on the order of 35,000 to 50,000 AFY. Muir further estimated that subsurface discharge necessary to prevent seawater intrusion is 10,200 AFY. Assuming 25,800 AFY for ET, Muir estimated basin groundwater yield at 10,000 AFY.

A-3.7 Groundwater Study and Water Supply History of the East Bay Plain, Alameda and Contra Costa Counties, California, Northfleet Consultants, 1998

This report provides a detailed description of the geologic framework and a water supply history from 1870 to 1930 for the East Bay Plain Subbasin. The summary below is focused on the geologic framework discussion in the report.

Figuers defined three geologic structural basins: the San Pablo Basin included the City of Richmond and areas to the north, the San Francisco Basin included most of the East Bay Plain and San Francisco Bay, and the Santa Clara Basin included the western portion of Niles Cone and areas to the west and south of Niles Cone. The San Francisco Basin was divided into the Berkeley, Oakland, San Leandro, and San Lorenzo sub-areas (as defined by Figuers). The EBMUD ASR well is located near the boundary between the Central and San Lorenzo subareas. The Central subarea contains 300-500 ft of San Antonio and Alameda Formation and 200-900 ft of Santa Clara Formation (which may be equivalent to Merced Formation). The primary Niles Cone aquifers/aquitards (Newark/Centerville/Fremont and Newark/Irvington/Mission) were described as being time-equivalent to San Antonio and upper Alameda Formations in the East Bay Plain.

The Niles Cone aquitards (Newark, Irvington, Mission) are stated to be equivalent to estuarine muds (Young Bay Mud, Yerba Buena Mud, deeper mud units) in the East Bay Plain.

Figuers noted that the SWRCB (1955) evaluated the Niles Cone area north to San Lorenzo Creek. Water levels measured in 1950s indicated the upper aquifer in San Leandro/San Lorenzo Cones was not interconnected with Niles Cone Newark Aquifer. At this time, “Deep” Aquifers were defined as being below a depth of 200 ft and included the Niles Cone Fremont Aquifer. Historically, most wells pumped from the deeper aquifers in the San Lorenzo subarea and most wells pumped from the shallow aquifer in the San Leandro subarea.

A structure contour map of the base of bedrock shows an elevation of -600 ft to greater than -1,000 ft msl over the main portion of the EBP Subbasin from Oakland (Lake Merritt area) to Hayward. The deepest part of the basin is along the eastern shoreline of San Francisco Bay in the San Leandro/San Lorenzo subareas. Downtown Oakland (north of Lake Merritt) was constructed on a topographic high where bedrock is on the order of -400 ft msl.

The lower part of San Francisco Basin is filled with several hundred ft of continental alluvial fan/plain deposits (Santa Clara Formation or equivalent units). Little is known about these deposits other than approximate thickness. Subsequently, seas encroached on the Bay and deposited several hundred ft of alternating estuarine and alluvial deposits comprising the Alameda Formation. Little is known of stratigraphic units in the San Pablo Basin (Richmond subarea); generally, the units appear similar as in San Francisco Basin, although marine units (Alameda Formation) in San Pablo Basin appear to be thinner.

The Alameda Formation includes marine units beneath the Bay (up to and including Young Bay Mud) and does not include alluvial fan units between the bay and hill. The previously identified deeper Continental Alameda Formation is a combination/continuation of the Santa Clara and Merced Formations (little is known of these units). The deeper alluvial fan units beneath the East Bay Plain Subbasin are equivalent in time/depositional environment/lithology with Santa Clara and/or Merced Formations (correlations not yet made though).

The Alameda Formation varies in thickness from 100 ft near Richmond to more than 400 ft near San Mateo Bridge. Below Alameda Formation are continental units of Santa Clara/Merced Formations that are 300-600 ft thick and consist of alluvial fan units interbedded with lake, swamp, river channel, and flood plain deposits. In reviewing the study by Maslonkowski (1988), Norfleet states that aquifers deeper than 400 ft appear to correlate with Santa Clara Formation (or equivalent units).

The report states, “Based on studies of alluvial fans in the Livermore Valley, the Lawrence Livermore Lab found that the only successful method to identify hydrogeologically distinct zones within alluvial fans was through detailed, closely spaced pump tests…At this time, the available sub-surface information does not permit sub-division of the aquifers within the Study Area. It is unlikely that meaningful sub-divisions could be made without a significant expenditure of time and money.” This is stated in the context that lithologic evaluation alone, no matter how detailed, is not sufficient.

All the subarea boundaries between Niles Cone and San Lorenzo subareas defined by DWR occur between Route 92 and Alameda Creek. The boundary between these two subareas used in this report follows DWR (1994). Bedrock forms the primary boundary on east side of East Bay Plain (not Hayward Fault).

Figuers prepared lithofacies maps for the Santa Clara/Merced continental deposits, Alameda Formation Marine and Continental Deposits, and Current Deposits. These maps show that the southern edge of the Santa Clara/Merced deposition center overlaps with the north edge of the Niles Cone alluvial fan in the area of the transition zone defined by LSCE (2003). As noted above, it is likely that the currently named Deep Aquifer in the East Bay Plain occurs within the Santa Clara/Merced Formation equivalent units defined by Norfleet. Figuer's lithofacies maps are described in more detail in Sections 4 and 7 of this Subtask 4.2 HCM TM.

A-3.8 Hydrogeologic Investigation, Oakland Harbor Navigation Improvement (-50 Foot) Project, Port of Oakland, Oakland and Alameda, California, SCI and Todd Engineers, 1999

The purpose of this study was to evaluate potential for seawater intrusion relative to a proposed ship channel deepening project at the Port of Oakland. This study involved hydrogeologic characterization and groundwater modeling for the Port of Oakland area, including the northern portion of Alameda Island. The study included drilling and installation of fourteen 5- to 6-inch diameter test/monitoring wells to depths ranging up to 220 ft. Well installations at seven sites included one well screened in the San Antonio Formation and one well screened in the Alameda Formation at each site. Aquifer hydraulic conductivity values were evaluated through analysis of pumping test data, laboratory permeability tests, and grain size analysis. Groundwater levels and tidal fluctuations were measured to characterize groundwater flow directions and vertical gradients. Groundwater quality sampling was conducted to document groundwater quality conditions. The study also included extensive analysis of all available well log and geophysical data combined with drilling data for wells installed for the project to develop detailed structural contour maps for the various stratigraphic and hydrogeologic units in the study area.

The stratigraphy of the Port of Oakland region from top to bottom includes: Fill (0-40 ft thick), Young Bay Mud (0-65 ft thick), San Antonio Formation (0-75 ft thick), Old Bay Mud (10-110 ft thick), and Alameda Formation. Bedrock occurs beneath the study area at depths of 400 to 600 ft bgs. The Young Bay Mud contains marine clay/silt with thin layers of sand, gravel, shell fragments, and organic material. The San Antonio Formation includes the Merritt Sand, Posey Sand, and an alluvial unit comprised of clay, silt, sand, and gravel. The Old Bay Mud is comprised of clay, silt, sandy clay, and occasional interbedded layers of sand and fine gravel. The Alameda Formation is divided into an upper marine unit and a lower continental unit. The upper marine unit is primarily sandy and silty clay, with some silt, sand, and gravel layers. The lower continental unit is less well documented, but it includes clay, silt, sand, and gravel. Borings drilled for this study only penetrated the uppermost portion of the Alameda Formation.

The water-bearing units were Fill, San Antonio Formation, and Alameda Formation. The San Antonio Formation thickness various substantially in the study area, but it is generally present at elevations between about 25 and -75 ft msl. The San Antonio Formation is generally confined by the overlying Young Bay Mud and underlying Old Bay Mud. The top of Alameda Formation ranges widely from about -75 to -

175 ft msl across the study area, and it is shallower at the eastern inland edge of the study area. Groundwater elevations were similar in the Fill and San Antonio Formations (with a slight vertically downward gradient), and substantially lower in the Alameda Formation indicating significant downward gradients from San Antonio to Alameda Formation. Groundwater gradients were generally towards the Bay in the San Antonio Formation, and they were towards the south (apparently towards pumping well locations) in the Alameda Formation. TDS concentrations in San Antonio Formation were highly variable ranging from 1,200 to over 30,000 mg/L. TDS concentrations in Alameda Formation ranged from about 400 to 1,300 mg/L. Aquifer testing data indicated transmissivity values ranging from 1,200 to 2,600 gpd/ft for two San Antonio Formation wells, and transmissivity values range from 165 to 260 gpd/ft for two upper Alameda Formation wells.

Overall, this study represents a detailed compilation and analysis of hydrogeologic and groundwater data for a study area encompassing from the eastern portion of the Bay Bridge on the north, the northern portion of Alameda Island on the south, the eastern portion San Francisco Bay on the west, and the western portion of the City of Oakland on the east. Relevant hydrogeologic information from this study has been incorporated in the HCM and groundwater conditions evaluation described in this Subtask 4.2 TM.

A-3.9 Regional Hydrogeologic Investigation, South East Bay Plain, CH2M Hill, 2000

The purpose of this report was to evaluate the location and extent of significant aquifer units, identify locations of ASR wells, and develop a hydrogeologic conceptual model to serve as the basis for a numerical groundwater flow model. The study incorporated the area known as the South East Bay Plain (SEBP) Groundwater Basin, which was defined as extending from Oakland to Hayward near the San Mateo Bridge. The report states that SEBP groundwater basin thins to the north and becomes an insignificant source of groundwater near Berkeley. The study area encompasses Oakland, Alameda, San Leandro, San Lorenzo, and the northern portion of Hayward, which covers an area of about 115 square miles ranging in elevation from 400 ft msl on the east to sea level on the west. Precipitation ranges from 16 inches/year at lower elevations to 26 inches/year at higher elevations, with an overall average of 23 inches/year. The major drainages are San Leandro and San Lorenzo Creek; each of these has a drainage area of about 45 square miles.

The report described the major water bearing unit as Pleistocene age Older Alluvium, which is up to 1,000 ft thick. The Older Alluvium is overlain by 100-200 ft of Merritt Sand, Yong Bay Mud, fluvial deposits, and Holocene age Younger alluvium. The study suggests that the southern portion of the SEBP may have four stratigraphically correlative units to the four main aquifer units in Niles Cone; only the Deep Aquifer unit is present at the EBMUD ASR well location. The Deep Aquifer unit is not present farther north at EBMUD's Oakport site in Oakland.

The report notes that aquifer units above the Deep Aquifer are likely not continuous between the SEBP and Niles Cone. The likely time-correlatable nature of the upper units indicates certain periods of time were favorable for deposition of aquifer material (glacial wet periods) and other times for deposition of aquitard material (interglacial periods). The shallower units were thought to be deposited locally as part of the San Leandro and San Lorenzo alluvial cones, whereas the report stated the Deep Aquifer may have been deposited by ancestral Alameda Creek, "…and is therefore continuous between the two areas…"

The report relies on Rogers and Figuers (1991) to define four layers comprised of: a Shallow Zone, Old Bay Mud, Upper Alameda Formation, and Lower Alameda Formation. The report includes maps defining the top/bottom of these units and their respective thicknesses throughout an area from Oakland/Berkeley on the north to Alameda Creek on the south. A map showing depth to bedrock (also, base of Lower Alameda Formation) shows depths exceeding 1,000 ft along the east bay shoreline and under San Francisco Bay from Bay Farm Island on the north (just south of Alameda Island) to between San Mateo Bridge and Alameda Creek on the south.

The Shallow Zone is comprised of marine clay, Young Bay Mud, Merritt Sand, and Holocene age alluvial silt/sand/gravel. Merritt Sand is an aeolian deposit in Alameda and western Oakland. The layer is typically 100-125 ft thick, but it reaches a maximum thickness of 300 ft towards eastern edge of basin. Aquifers less than 50 ft deep are present but of limited extent, and most aquifer units are within the 30-130 ft depth interval. The shallow zone would be considered an unconfined water table aquifer system with high vertical resistance to flow.

Layer 2 is comprised of the Old Bay Mud, which is an estuarine mud generally about 50 ft thick. It pinches out west of the Hayward Fault and does not extend north of the Bay Bridge. It represents an aquitard layer.

Layer 3 is the marine deposited portion of the Alameda Formation. It is comprised of estuarine muds separated by alluvial fan deposits. Its thickness ranges from 100 ft in the northern portion of the study area to nearly 500 ft along the margin of San Francisco Bay at/near Alameda and Bay Farm Island. This unit is considered to contain the time-equivalent Centerville and Fremont Aquifer units in the SEBP. The Centerville Aquifer equivalent unit is comprised of discontinuous coarse-grained units from 5-60 ft thick in the 130-220 ft bgs depth interval. The Fremont Aquifer equivalent unit is contained within the 250-375 ft bgs depth interval and is separated from the Centerville Aquifer equivalent unit by an aquitard.

Layer 4 is the continental deposited portion of the Alameda Formation and is comprised of alluvial fan deposits interbedded with lake, swamp, river channel, and flood plain deposits. Its thickness ranges from 10 ft along the eastern margin to 450 ft along the southern bay margin of the SEBP. The Lower Alameda Formation is correlative to, or has been referred to, in other studies as the Santa Clara Formation and Merced Formation. The Deep Aquifer is present at the top of this unit, but it does not extend north of San Leandro. The Deep Aquifer appears to extend towards the middle of the Bay based on San Mateo Bridge lithologic logs, although grain size is expected to decrease towards the center of the Bay. Overall, approximately the upper 100 ft of this unit is considered an aquifer and the remaining underlying portions an aquitard.

Aquifer property data were noted to be limited. Citing previous Brown and Caldwell studies (1984 and 1986), it was noted that specific capacities for wells shallower than 300 ft bgs ranged from 2 to 20 gpm/ft, whereas wells screened deeper than 300 ft bgs had specific capacities from 30 to 50 gpm/ft. Aquifer testing in the EBMUD ASR (Oro Loma) site area indicated T values of 90,000 to 130,000 gpd/ft, and K values of 175 to 250 ft/day (based on 70 ft of well screen). Specific capacity of the ASR well was about 30 gpm/ft at 1,000 gpm, and storage coefficients were 0.003 to 0.0008. Aquifer properties at the EBMUD Oakport site were reported as T values of 100 gpd/ft for units below 480 ft (Q/s = 0.1 gpm/ft), and 20,000 gpd/ft for units above 350 ft bgs (Q/s = 10 gpm/ft). This study relied on the water budget reported by Muir (1994).

Groundwater level contour maps for average water levels during the 1990-1998 period were prepared for three different depth zones: 0-200 ft, 200-500 ft, and greater than 500 ft. The map for each zone generally showed groundwater flow towards the Bay, with downward vertical gradients where well control was available east of the shoreline. It was assumed that gradients became upward beneath the Bay to allow for groundwater discharge into the Bay. The maps also generally indicated there may be a small amount of net groundwater outflow to the south in shallow zones and a small amount of net groundwater inflow from the south in the Deep Aquifer. These patterns were attributed to significant shallow zone (Newark Aquifer) pumping in Niles Cone and minimal Deep Aquifer pumping in the Niles Cone.

Groundwater quality was characterized as being relatively high in TDS (500-1,000 mg/L), chloride (40-250 mg/L), nitrate (30 to >45 mg/L as NO3), and sulfate (50-250 mg/L) within the upper 200 ft. Elevated concentrations of iron and manganese were relatively common in the intermediate and deeper zone wells.

A-3.10 Regional Hydrogeologic Investigation, Outer Basins, San Ramon, Richmond, Ygnacio/Clayton, Castro Valley, Berkeley, CH2M Hill, 2001

This study documented available hydrogeologic data for the Berkeley and Richmond portions of the East Bay Plain Groundwater Basin, which essentially covered the entire northern portion of the EBP Subbasin north of Oakland. The Berkeley study area covered in this report essentially includes Emeryville, Berkeley, and Albany. The Richmond study area covered in this report essentially covered from El Cerrito to Richmond. Available data were used to develop general geologic cross-sections and characterize typical depths to water.

The Berkeley area was characterized as having alluvium with thicknesses ranging up to 400 ft. The alluvium contains 10-80 ft-thick coarse-grained aquifer units in the upper 300 ft bgs. Historical well yields were not quantified, but yields were deemed to be only sufficient for domestic and some industrial uses. In addition to locally elevated TDS concentrations ranging from 450-900 mg/L, current groundwater quality concerns include several contaminant sites. A map of top of bedrock elevation contours is provided as Figure 6-4 in the report. The report cites a water budget for the Berkeley area that was included in the Muir report (1994) and summarized in CH2M Hill (2000).

The Richmond area was characterized as having alluvium with thicknesses ranging up to 600 ft. The alluvium contains 5-30 ft-thick coarse-grained aquifer units in the upper 100 ft, and 50-100-ft thick coarse-grained aquifer units at depths between 100-400 ft bgs. Historical well yields were estimated to range from about 40-150 gpm for three well fields in the area. CH2M Hill noted that higher individual well yields may be possible with modern pumping equipment; however, a combined well field pumping rate of 2

MGD in the early 1900s was noted to result in saltwater intrusion. In addition to potential for saltwater intrusion, current groundwater quality concerns include several contaminant sites.

A-3.11 East Bay Plain Aquifer Test Project, South East Bay Plain and Niles Cone Ground-Water Basins, LSCE, 2003

LSCE conducted an extensive data collection program and evaluation of geologic/stratigraphic (cross-sections) and hydraulic data (two 2-week pumping tests) to evaluate the characteristics of the transition zone between the East Bay Plain and Niles Cone Subbasins. This study also included overall geologic characterization of the EBP Subbasin between Oakland and Hayward, and extending into Niles Cone Subbasin. The geologic evaluation demonstrated the pinching out and stair-step relationship of Deep Aquifer units at the boundary between the East Bay Plain and Niles Cone within the transition zone. Two pumping tests were conducted using City of Hayward Wells C and E along with several monitoring wells for each test to further characterize the hydraulic nature of the transition zone.

The report describes the southern East Bay Plain as being comprised of a main deep aquifer about 100 ft thick and below about -400 - -500 ft msl. The Deep Aquifer is overlain by a predominantly fine-grained sequence with thin discontinuous sands, and it is underlain by a thick sequence of mudstones/claystones lacking sand layers. The Niles Cone alluvium is described as a 350-ft sequence of interbedded sand/gravel layers and clay/silt layers, with aquifers designated as the Newark, Centerville, and Fremont Aquifers. The Deep Aquifer in the Niles Cone Subbasin occurs below an elevation of about -350 ft msl. The Niles Cone Deep Aquifer is underlain by a thin sequence of mudstone/claystone that overlie consolidated sedimentary bedrock at an elevation of about -800 ft msl.

The report describes a detailed correlation of geophysical and geologic logs of individual beds within the Deep Aquifer of the East Bay Plain. Eight primary subdivision beds were identified, and correlations show a, "…complex lensing nature where subsequent overlying beds tend to shift southward partially overlying older beds and extending further south. There is a central area of coarser/thicker deposits, with individual beds thinning and fining to the north and south. Subdivision Beds 1-4 and 6 show a gradual southerly shift, while Subdivision Bed 5 appears to shift to the north. Subdivision Beds 7 and 8 appear to be more channelized and limited in extent, rising more rapidly stratigraphically than other beds; however, well control was limited and it is possible Subdivision Beds 7 and 8 fan out wider to the west."

The report states that east-west cross-sections indicated the Deep Aquifer thins rapidly towards the east. However, there are indications that Deep Aquifer deposits occur in channelized zones oriented both east-west and north-south in certain areas. An attempt was made to develop structural contour maps and thickness maps for the Deep Aquifer; however, the complex stratigraphic relationships and lack of adequate well control did not allow for useful maps to be prepared.

Evaluation of the Deep Aquifer in Niles Cone was challenging due to lack of adequate geophysical log control, lack of boreholes/wells deeper than 500 ft, and apparent complex stratigraphic and fault-related relationships. In general, the Deep Aquifer within Niles Cone appears to gradually rise to the east and thins/fines to the south. The Deep Aquifer zone within Niles Cone is mostly devoid of coarse-grained deposits below -400 ft msl north of a particular line within Niles Cone (a line between ACWD Test Hole

No. 1 and ACWD Test Hole No. 2), whereas abundant coarse-grained deposits are present south of the line below -400 ft msl. Correlation of the Niles Cone Deep Aquifer was found to be even more complex to the west, with a possible explanation being a fault offset or complex stratigraphic relations in the Niles Cone Deep Aquifer.

The overall stratigraphic relationships throughout the East Bay Plain, Niles Cone, and intervening transition zone are depicted in Figure 18 of the report. A more detailed cross-section through the transition zone and Hayward wells B, C, and E is provided in Figure 4 of the report. These cross-sections are provided in Appendix C.

The report describes a limited review of groundwater level data for the East Bay Plain and Niles Cone, with limited data being available for the East Bay Plain. This review indicated similar overall patterns with lowest groundwater elevations being observed in the 1960s. The report states that although data are limited, it appears the two basins have responded to similar stresses over time and, “This information would also suggest that the basins have some degree of hydraulic continuity.”

The report’s evaluation of geologic conditions concluded that while the understanding had been improved, it remained incomplete due to complexity and data limitations. The report stated, “…an interpreted transition zone between the two aquifer system has been drawn for the purpose of selecting observation wells for the aquifer testing…” Possible explanations for transition zone stratigraphic relationships were listed as:

- Uplift of the Niles Cone Deep Aquifer units by a fault;
- Incision of the Niles Cone Deep Aquifer into existing deposits; and
- Other geomorphic/stratigraphic relationships.

Overall, the report concluded its evaluation of geologic conditions by stating, “It was concluded that there is, at present, insufficient borehole information available to resolve the question of the stratigraphic relationship between the deep aquifers in the two ground-water basins. However, the correlations and relationships developed in this study provide a basis for evaluating the hydraulic connection through the aquifer testing phase of this investigation.”

The five Hayward wells were evaluated for use as pumping wells in the regional aquifer testing program. Well A was not selected because it was considered to be screened in multiple aquifers, while Well D was considered to not have sufficient pumping capacity (low yield). Well C was conducted for an initial test and was pumped for a two-week period from May 29 to June 12, 2002 at 3,300 gpm. The aquifer test included collection of pre-pumping and recovery data. Well E was subsequently pumped for a two-week period from July 8 to July 22 at 2,200 gpm. Recovery data were collected through August 22, 2002. In addition, short-term “shakedown” testing was conducted at Wells C and B to check measuring equipment and provide initial indication of aquifer parameters and drawdown. A no-flow boundary was observed at later times in the long-term testing. The report stated, “The interpretation provided in this report can be considered a first step toward understanding certain characteristics of the SEBP/NCGWD setting. The general observations of drawdown behavior plus the interpretations using analytic tools can provide input into ground-water numerical models that are capable of evaluating much more complex pumping scenarios."

A composite observation well plot (Figure 23 in the report) for the Well C test showed that water level data measured in Niles Cone observation wells generally followed the curve for the initial 1,000 minutes, and then levels deviated from the curve. The data from EBP observation wells did not follow the Theis curve and showed substantially less drawdown than would occur if levels were following the Theis curve. These results suggested the EBP observation wells were, "…not completed in the same aquifer as the pumped well." The report goes on to state, "The pumped well, Well C, along with the wells plotting approximately on the Theis curve, were interpreted as being in the Deep MNCGWB Aquifer." It was further noted that levels measured in the Whipple Well (4S/2S-12C1) plotted distinctly above the Theis curve and levels measured in other Niles Cone observation wells (indicating greater drawdown than expected at well 12C1). This suggests that the Whipple Well location closer to the Hayward fault than other wells reflect greater drawdown caused by a no-flow boundary. Although not commented on in the report, it is noted that levels measured in the Well B deep monitoring well also plot well above the Theis curve (Figure 24 in the report), which may indicate a partial no-flow boundary within the transition zone to the north of Well B.

A similar composite observation well plot (Figure 25) was constructed for the Well E test, which showed levels measured in EBP observation wells generally followed the Theis curve, while the levels in Niles Cone observation wells plotted below (significantly less drawdown than expected) the Theis curve. The nature of the composite well plot drawdown response is similar but reversed relative to observations from the Well C test composite plot. The report states, "This reversal in character of the drawdown curves supports an interpretation that Wells C and E are located in different aquifers with some form of hydraulic connectivity between them. Using these plots the wells were divided into the two aquifer systems with Hayward Wells E and D as well as Mt Eden within the Deep SEBP Aquifer while Hayward Well C and Well B Deep MW as well as Tidewater, Contempo, Chad, 12C1, 13P5 completed in the Deep NCGWB Aquifer."

Distance drawdown plots for the two well tests show the observation wells plotting on two distinct lines/trends with drawdown being approximately half as much for observation wells in the aquifer not screened in the pumping well (compared to observation wells screened in the same aquifer) for that particular test. The report states, "…As with the log-log composite plots, the distance drawdown plots suggest that the deep observation wells can be grouped within the two distinct aquifers, but that hydraulic continuity exists between them."

The report states that observation well data from the regional pumping tests were not quantitatively evaluated, but rather the data were qualitatively reviewed due to concerns related to leakage, boundaries, and background water level fluctuations. A no-flow boundary was observed after about 1,000 minutes during both tests. The report states that observation well drawdown data after 1,000 minutes cannot be used for aquifer parameter estimation due to the boundary condition. The Theis method of analysis is stated to be applicable and results in a T values of 100,000 gpd/ft, although the value was considered by LSCE to be too high in comparison to pumped well test T values at Wells D and E (this conclusion is addressed further in section 4.5 of this TM describing aquifer parameters).

A short-duration (2-hour) aquifer test was conducted on Well B prior to conducting the long-term Well C and E tests. Drawdown was measured in the adjacent nested monitoring well and in Well C. Aquifer parameters for Well B were stated to be T=190,000 gpd/ft and S=0.0001.

The main conclusions of the LSCE (2003) study were:

1) The East Bay Plain and Niles Cone are hydraulically connected.
2) The deep aquifers in East Bay Plain and Niles Cone did not respond to aquifer tests as a single continuous unit; “Consistent with the hydrogeologic conceptualization, the aquifer tests support the notion of a transition zone through which water level changes (or hydraulic stresses) can be propagated between the Deep NCGWD Aquifer and the Deep SEBP Aquifer.” The transition zone from one basin to another was interpreted to occur in the vicinity of Hayward Wells B, C, and E.
3) The nature of the basin connection may be a contrast in aquifer properties, a structural feature such as fault, or vertical leakage from overlying or underlying units.
4) No-flow boundaries were apparent during both Well C and Well E aquifer tests; this is thought to be related at least in part to the Hayward Fault.
5) Reliable aquifer parameters could not be obtained from observation well data; parameters were only cited from production well drawdown data and previous tests with adjacent observation wells. The report stated, “The estimated parameter values are distinctly different for the Deep NCGWB Aquifer versus the Deep SEBP Aquifer and are consistent with the classification of wells into separate aquifer systems…”
6) Both aquifer systems showed significant leakage.

It should be noted that these conclusions by LSCE (2003) did not have the benefit of the additional regional aquifer testing data collected by Fugro in 2010 (Fugro, 2011). These conclusions are further evaluated in the section of this Subtask 4.2 TM describing the EBMUD regional aquifer test (Section 3), aquifer parameters (Section 4), and the southern subbasin boundary characterization (Section 7).

A-3.12 Niles Cone and South East Bay Plain Integrated Groundwater and Surface Water Model (NEBIGSM), Model Development and Calibration, WRIME, 2005

ACWD expanded the model domain of their original Integrated Groundwater and Surface Water Model (IGSM) in conjunction with EBMUD and City of Hayward during the EIR process for the EBMUD Bayside Groundwater project. The model domain area that originally covered the Niles Cone Groundwater Basin was extended northward to the City of Oakland to encompass the southern portion of the East Bay Plain Subbasin. The new model was named the Niles Cone and South East Bay Plain Integrated Groundwater and Surface water Model (NEBIGSM). The portion of the East Bay Plain Subbasin encompassed in NEBIGSM was approximately 60 square miles. Overall, the total model area is 283 square miles with 160 square miles of land area.

The model has a no flow boundary along the east side where it coincides with the Hayward Fault or the extent of alluvium at the base of the Diablo Range (East Bay Hills). In addition, the report states, "A combination of constant head and no-flow boundaries given by San Francisco Bay water and fine-grained sediments, respectively, provide hydraulic divides for the model area along both the northerly and southerly limits. The western model domain boundary generally runs through the middle of San Francisco Bay, for which a no-flow boundary is assigned along the western edge of each of the four model layers. The Bay portion of the model domain is treated as a lake in the model with a sediment bed thickness of 10 ft, a K value of 1 ft/day, and a "lake" elevation of 1.1 ft.'

NEBIGSM represents three major streams, including Alameda Creek, San Lorenzo Creek, and San Leandro Creek, for which it simulates daily streamflow. The report states that the entire lengths of San Leandro and San Lorenzo Creeks are concrete-lined within the model domain area; these were assumed to be lined for the entire 1965-2000 calibration period. Thus, NEBIGSM does not simulate stream-aquifer interaction along San Leandro or San Lorenzo Creeks. In terms of streamflow data, the report stated, "Streamflow data for San Leandro Creek were missing. Because it is a lined channel having little or no interaction with groundwater, no effort was made to estimate the missing data for San Leandro Creek." It appears that the only streamflow data incorporated in the NEBIGSM model for the East Bay Plain were data from the San Lorenzo Creek at Hayward gage from 1965 to 2000.

Table A-3: NEBIGSM Groundwater Balance for 1965 to 2000

Subbasin Area	Net Deep Perc	Stream Seepage	Boundary Inflow	Agricultural Return Water	Wage Pipe Leakage	Sewer Pipe Leakage	Total
Hayward North	981	0	42	Included	?	?	1,023
San Leandro	4,125	139	324	in			4,588
Oakland, Lake Merritt, Alameda Island	1,244	0	-67	Net			1,177
Not Specified				Deep Perc			
Subtotals	6,350	139	299		?	?	6,788

The report notes that aquifer zones above the Deep Aquifer in the East Bay Plain, "…are generally not as productive or regionally continuous as the Deep Aquifer, and do not appear to have a significant degree of hydraulic interaction with their counterparts in the Niles Cone." The East Bay Plain portion of NEBIGSM was developed with four model layers to represent four aquifers, whereas the Niles Cone portion of the model has three layers to represent three aquifers. Model Layer 3 is present in the East Bay Plain portion of the model but pinches out in the Niles Cone portion of the model. Aquitards are included at the top of Model Layers 2, 3, and 4.

Agricultural/irrigation water demands estimated for the East Bay Plain included irrigation of parks, cemeteries, golf courses, and other green land use areas. Available land use data provided acreages for these areas; but annual groundwater pumping data were only available for two golf courses as follows:

Marina/Tony Lema Golf Course with 399 AFY over 155 acres (2.6 AFA) and Alameda Golf Course with 430 AFY over 188 acres (2.3 AFA). The report states, “The irrigation water demand for the rest of the irrigated land in the SEBP area was estimated based on unit water use developed for the two aforementioned golf courses…” These estimates were adjusted further during the calibration process. The total “agricultural” water demand was estimated to be 1,250 AFY in the East Bay Plain.

Urban water demands in the East Bay Plain region of the model were determined to be 66,500 AFY in the Year 2000 based on surface water deliveries by EBMUD and City of Hayward and estimated/measured groundwater pumping for industrial and municipal uses. Approximately 95% of total urban water demand was estimated to be met by surface water deliveries.

The report notes, “…groundwater pumping data in the IGSM can be allocated to individual wells or to elements in the finite element grid. The groundwater pumping data in the NEBIGSM were allocated to specific pumping wells where possible, with other pumping distributed to the appropriate elements for which a lack of information prevented allocation of such pumping to specific wells.” The report further notes, “For the SEBP, measurements of well pumping for the 1965-2000 period were scarce, and thus virtually all of the SEBP pumping for the 1965-2000 period had to be estimated.” Figure 2.14a of the report indicates that groundwater pumping in the East Bay Plain portion of the model was estimated to be approximately 10,000 AFY for 1965-1972, and then it declined to about 6,300 AFY in 1973-1974, with a gradual decline from 6,000 AFY in 1975 to about 3,200 AFY in 2000. The majority of the East Bay Plain groundwater pumping was attributed to industrial uses in the early years of the time period (nearly 8,000 AFY from 1965-1972), with industrial pumping declining to about 1,000 AFY by the end of the calibration time period. These groundwater pumping values were adjusted during model calibration.

The calibrated aquifer parameter values in the East Bay Plain area included: Layer 1 specific yield at 0.1; Layer 1 T ranging from 5,000 to 25,000 gpd/ft; Layer 2 S of 0.0015-0.002; Layer 2 T 500-10,000 gpd/ft; Layer 3 S of 0.0015-0.002; Layer 2 T 500-5,000 gpd/ft; Layer 4 S of 0.0005-0.0025; Layer 4 T 20,000-80,000 gpd/ft. The initial model calibration efforts were unable to achieve accurate simulation of groundwater levels in the East Bay Plain (i.e., model values underestimated the levels and were too low); therefore, model calibration adjustments were made to groundwater pumping estimates in the East Bay Plain with calibration pumping values ranging from 34 to 78% of initial input values. Another calibration issue was underestimation of groundwater levels along the eastern boundary of the model domain in Model Layer 1.

A-3.13 Proposed Phase 1 and Phase 2 Bayside Groundwater Project FEIR, 2005, ACWD Comments, ACWD, 2005

A groundwater model was originally developed for Niles Cone Groundwater Basin in 1991 (Montgomery, 1991). As a result of ACWD concerns regarding potential impacts from the proposed EBMUD Bayside ASR project (2001 DEIR), EBMUD/Hayward/ACWD agreed to expand the ACWD Niles Cone Groundwater Basin (NCGB) IGSM model to the north to include the South East Bay Plain (SEBP) groundwater basin. This expanded IGSM model (known as NEBIGSM) was used to evaluate potential impacts from the proposed Bayside ASR project on NCGB in the revised/recirculated 2005 Bayside DEIR. During preparation of the

EBMUD 2013 GMP, the ACWD IGSM model was converted to a MODFLOW platform without making any changes to model inputs or calibration. Meanwhile, ACWD has been using the NEBIGSM to provide water balance data for inclusion in their annual reports.

As noted by ACWD in their comments on the 2005 DEIR, “A key limitation of the NEBIGSM is that, because there has not been a significant pumping stress on the groundwater basin in the Bayside project area within the model calibration period (1964-2000) and that there are significant data gaps in the South East Bay Plain groundwater basin, it is not presently possible to verify the accuracy of the model in simulating the proposed extraction/injection operations of the Bayside Project. ACWD has recognized that the NEBIGSM…will require updating and re-calibration as more information is learned from the Phase 1 project operations.”

A-3.14 Paleoclimatic Signature in Terrestrial Flood Deposits, Science, Vol. 256, June 2006, Koltermann C.E., and Steven Gorelick

This paper describes computer modeling of sediment deposition along Alameda Creek in the East Bay Plain Subbasin. The modeling effort covered the past 600,000 years and accounted for river flooding, sedimentation, subsidence, land movement due to faulting, and sea level changes. The simulated paleoclimatic trends caused streamflow fluctuations and dominated occurrence of coarse- and fine-grained sedimentary deposits. Modeling results were compared to geologic cross-sections that were based on 63 lithologic logs from water wells and bridge borings. The study determined that ongoing subsidence provided an “…ever deepening trap for Alameda Creek sediments…” that served to partially bury the Coyote Hills and caused formation of marsh plains rather than deltas in the Bay. The model simulations provided evidence that paleoclimatic variability was responsible for depositing alternating and relatively widespread/continuous coarse-grained and fine-grained deposits. Coarse-grained sediments were deposited during cooler/wetter periods with lower sea levels, and fine-grained sediments were deposited during warmer/drier periods with higher sea levels.

The study estimated that the Hayward Fault caused approximately 225 meters (740 ft) of vertical offset (downdropping of San Francisco Block) and 6 kilometers (20,000 ft) of lateral offset (to the north on the west side of the fault). The study found, “Simulation of a horizontal displacement of 1 cm per year, close to the geodetic average, was required to match deep, coarse deposits on the northwest side of the fan.”

The study needed to develop a quantitative relationship between flood events and climate change during the past 600,000 years, including an estimate of the frequency distribution and magnitudes of paleofloods. This was accomplished by assuming the, “…global marine record of climate change could be used to represent local paleoclimatic trends”, and by assuming, “…spatial differences in modern climate zones along the California coast serve as a surrogate for temporal shifts in local paleoclimate.” Thus, paleoclimatic shifts were represented by considering the runoff and flood characteristics in 17 modern coast range basins in California extending from northern to southern California.

The study estimated the 600,000 year paleoflood record of Alameda Creek by combining long-term global trends with hydrologic data from modern basins. Based on review of modern basins, cooler/wetter paleoclimatic conditions were represented by a basin in northern California (Russian River), and warmer/drier conditions were represented by a basin in southern California (Santa Clara River). The association and use of modern basins as references for paleoclimatic conditions in the Alameda Creek watershed is based on the assumption, "…climate zones have shifted from north to south during the late Quaternary."

The study results indicated, "The model yields six coarse wedges corresponding in depth and extent to the observed fan layers, with one coarse layer for each glacial cycle. Coarse layers correspond to colder wetter periods on the paleoclimatic curve, whereas fine layers correspond to warmer, drier periods." The sediment deposition modeling also results in two major blue clay layers – one near land surface and one about 45 meters (150 ft) below ground surface that correlate to the past 6,000 years and from 115,000 to 128,000 years ago corresponding to the most recent stands of high sea level. It was estimated that the previous sea level high stand approximately 125,000 years ago was 6 meters (20 ft) higher than today.

A-3.15 The Bayside Groundwater Project, 2010 Phase 1 Aquifer Test (Fugro, 2011)

EBMUD conducted a continuous eight week constant rate pumping test at 1,400 gpm for the Deep Aquifer that incorporated a large monitoring well network extending from San Leandro to Union City. The pumping well is screened over three coarse-grained intervals between 500-650 ft bgs. In addition to several monitoring wells in the San Leandro/San Lorenzo area, the monitoring network included wells within the transition zone, along with wells north and south of the transition zone (i.e., within City of Hayward and to Union City). The long-term aquifer test monitoring network also included observation wells in the shallow and intermediate zones. The results of this long-term aquifer test provided a comprehensive data set for evaluation of aquifer parameters in the East Bay Plain along with further characterization of the transition zone between the East Bay Plain and Niles Cone.

The measured drawdowns in observation wells ranged from approximately 8-28 ft in the Deep Aquifer for observation wells located from about 40-24,800 ft from the EBMUD ASR pumping well at the Oro Loma site. Aquifer parameters calculated from EBP Subbasin observation wells ranged from 74,000 to 141,000 gpd/ft with an average of 110,000 gpd/ft for transmissivity, while storativity ranged and from 4×10^{-5} to 3×10^{-4} with an average of 1.5×10^{-4}. Discharge (negative) boundary conditions were indicated to occur at approximately 2,000 and 30,000 minutes in the observation well data, which were interpreted to likely represent the Hayward Fault (or pinching out of the Deep Aquifer east of the Bayside ASR well) and the transition zone boundary between the EBP and Niles Cone Subbasins.

The responses in Deep Aquifer observation wells north of the transition zone showed the expected relationship between distance and drawdown. Hayward Well E, located adjacent to and immediate north of the transition zone boundary showed the expected response to pumping (drawdown of approximately 8 ft). However, Hayward Well B and the adjacent deep aquifer monitoring well (located within the transition zone) showed no response to pumping even though it is located only 2,000 ft further away from the pumping well than Well E. These results indicate that Well E shows a strong connection to the EBP Subbasin Deep Aquifer screened by the pumping well, whereas Well B showed no (or minimal) connection to the EBP Subbasin Deep Aquifer. ACWD observation wells located southeast of Well B also showed no (or minimal) response to pumping, which indicates a general lack of significant connection with the EBP Subbasin Deep Aquifer screened by the pumping well.

The key findings and conclusions of the study included:

- Deep Aquifer parameter values in the vicinity of EBMUD monitoring wells surrounding the Bayside ASR well in the San Lorenzo area are 100,000 to 125,000 gpd/ft for transmissivity and 1×10^{-4} to 2×10^{-4} for storage coefficient.
- Deep Aquifer parameter values in the north Hayward area are 90,000 to 100,000 gpd/ft for transmissivity and 1×10^{-4} to 2×10^{-4} for storage coefficient.
- Drawdown in Shallow Aquifer wells screened in the upper 120 ft bgs was less than one foot at distances of 40-14,600 ft from the pumping well.
- Drawdown in Shallow to Intermediate Aquifer wells screened between 160-220 ft bgs ranged from 10 ft adjacent to the pumping well to one foot at 14,600 ft from the pumping well.
- Drawdown in Intermediate Aquifer wells screened from 315-370 ft bgs ranged from 4 ft to one foot at distances of 3,350 to 19,600 ft from the pumping well.
- Hayward Well E (at a distance of 24,800 ft from the pumping well) drawdown responses showed good hydraulic connection with the aquifer screened in pumping well, whereas Hayward Well B (at a distance of 26,850 ft from the pumping well) drawdown responses showed very limited hydraulic connection with the aquifer screened in the pumping well.
- Two discharge (no-flow) boundary conditions were observed during the eight-week pumping test; including one potentially representative of the Hayward Fault and/or pinching out of the Deep Aquifer near the Hayward Fault, and another boundary condition potentially representative of the transition zone.
- ACWD monitoring wells screened in the Deep Aquifer at distances of 31,000-45,000 ft from the pumping well did not appear to be influenced (i.e., did not show discernible drawdown) by the pumping well.
- Some of the conclusions from the LSCE (2003) study, which did not have the benefit of data collected in this study (Fugro, 2011), were revised and updated based on review of data and information collected in both studies.

A-3.16 San Mateo Plain Groundwater Basin Assessment (EKI, Todd, and Hydrofocus, June 2018)

The San Mateo Plain Groundwater Subbasin incorporates a 37,708-acre area on the west side of San Francisco Bay from the City of San Mateo on the north to the cities of Atherton and East Palo Alto on the south. The study area is located across the Bay from the southern portion of the East Bay Plain Subbasin and northern portion of the Niles Cone Subbasin. The purpose of this study was to evaluate hydrogeologic and groundwater conditions, evaluate potential climate change impacts, evaluate potential groundwater level and quality impacts, and develop potential groundwater management strategies. The scope of the study included compilation and review of available data, development of a hydrogeologic conceptual model and water balance, development and application of a regional groundwater flow model, and evaluation of potential basin management options.

This brief summary of the report focuses on the water balance analysis conducted for the study because the results of the water balance study for a nearby area with similar climate and similar land uses may provide a good comparison to the East Bay Plain Subbasin. The water balance analysis conducted for the San Mateo Plain Groundwater Basin in AFY is summarized in **Table A-4**.

Table A-4: Summary of San Mateo Plain Water Balance Results

Inflows	Average (AFY)	Plausible Range (AFY)	Comments
Dispersed Recharge (Rainfall runoff from impervious areas)	900	500 to 1,700	Original estimate from recharge simulation model was 1,710 AFY.
Dispersed Recharge (Rainfall on non-irrigated area)	900	600 to 1,800	
Dispersed Recharge (Rainfall/Irrigation on irrigated areas)	1,800	1,400 to 3,000	Original estimate from recharge simulation model was greater than 4,000 AFY, and original estimate from municipal water use by curve separation method was 2,200 AFY.
Water Pipe Leaks	900	600 to 2,000	Assumes trees intercept 50% of annual leakage.
Sewer Pipe Leaks	300	200 to 500	Sewer leak rate assumed to be 50% of water pipe leak rate.
Stream Percolation	1,300	800 to 2,000	Review of studies and field measurements yielded estimated infiltration rate of 0.3 cfs/mile of unlined stream channel for small streams. This rate was reduced by half due to current high groundwater level.
Bedrock Inflow	600	100 to 1,000	Based on area (9,100 acres) of fractured bedrock uplands with groundwater gradients towards the subbasin. 600 AFY of bedrock inflow is equivalent to 0.8 inches/year of recharge (3 to 4% of average annual rainfall) in adjacent bedrock areas.
Santa Clara Subbasin	1,200	500 to 2,000	
Total Inflows	7,900	4,700 to 14,000	

Outflows	Average (AFY)	Plausible Range (AFY)	Comments
Wells	3,500	2,100 to 5,700	
Riparian ET	100	50 to 150	
Seepage to Sewers, Creeks, Tidal Wetlands	3,600	2,500 to 5,300	
Outflow to Bay	500	300 to 1,000	
Westside Basin	200	-100 to 200	
Total Outflows	7,900	4,850 to 12,350	

The dispersed recharge components in the water balance generally had values of 1 to 5 inches/year of recharge, with typical residential areas being 2-3 inches/year and more lush residential areas being 3-4 inches/year. Large turf areas had recharge values of 4-6 inches/year in most cases, but some had up to nearly 12 inches/year. Commercial/industrial areas and natural vegetation areas had relatively low rates of dispersed recharge.

The water balance components above were input to the model, and the calibrated model showed 7,900 AFY of inflow/outflow. Calibration of the groundwater model was improved with a 32 percent reduction in the original estimate of dispersed recharge, which was addressed in part by lowering the original estimate of 1,710 AFY of recharge from infiltration of runoff from impervious areas to 900 AFY.

In terms of assumptions related to applied water, irrigation in residential and commercial settings was considered to result in significant runoff from sprinkler overspray. An overall irrigation efficiency of 70 percent was used (i.e., amount of applied water transpired by plants), with one-third of the 30 percent not transpired by plants (or 10 percent of total applied water) becoming groundwater recharge. For larger and professionally managed irrigation areas, an overall efficiency of 80% was applied with 15 percent of total applied water becoming groundwater recharge.

The recharge simulation model applied in this study estimated that the combined recharge of rainfall and applied irrigation water on 4,400 irrigated acres in the subbasin resulted in more than 4,000 AFY of recharge. However, calibration of the groundwater model required total groundwater recharge on irrigated areas to be reduced to 1,800 AFY. Overall, recharge to the San Mateo Groundwater Subbasin was estimated to be within a plausible range of approximately 5,000 to 14,000 AFY. Groundwater model calibration resulted in an average annual recharge of approximately 8,000 AFY.

A-3.17 South East Bay Plain Basin Groundwater Management Plan (EBMUD, 2013)

The hydrogeologic setting section of this report describes the unconsolidated alluvium comprising the aquifer system and that characteristics of aquifers may be impacted by fault movement. In particular, it is noted that EBP Subbasin Deep Aquifer units have undergone northwesterly movement from original deposition sites, and Deep Aquifer deposition may have occurred from antecedent streams that predate geologically recent deformation/uplift of the East Bay Hills. The report notes that, "…deeper alluvial deposits may have been formed by Alameda Creek or other local streams that no longer exist."

The report states, "The SEBP Basin is underlain by the coalesced alluvial fans of San Leandro Creek, San Lorenzo Creek and Alameda Creek. Although Alameda Creek is located south of the SEBP Basin, it has significance to the SEBP Basin geology because if its size and age. San Leandro Creek and San Lorenzo Creek have small drainages in comparison to Alameda Creek, and, of the three streams, only Alameda Creek is an antecedent stream, predating the most recent Coast Range uplift. Assuming a long-term slip rate of approximately one centimeter per year on the Hayward Fault over 500,000 years, sediments deposited by Alameda Creek west of the Hayward fault could have been displaced approximately three miles to the northwest. Coincidently, this is approximately the distance to the dissected older alluvial deposits mapped on the west side of the Hayward fault in the SEBP Basin. Extensive older alluvial deposits are also mapped in the SEBP Basin farther north in the Oakland area. Older alluvial deposits may have been formed by ancestral streams not associated with existing drainages, because the most recent episode of Coast Range uplift has been underway for approximately the past four million years. This uplift has significantly modified the topography of the area."

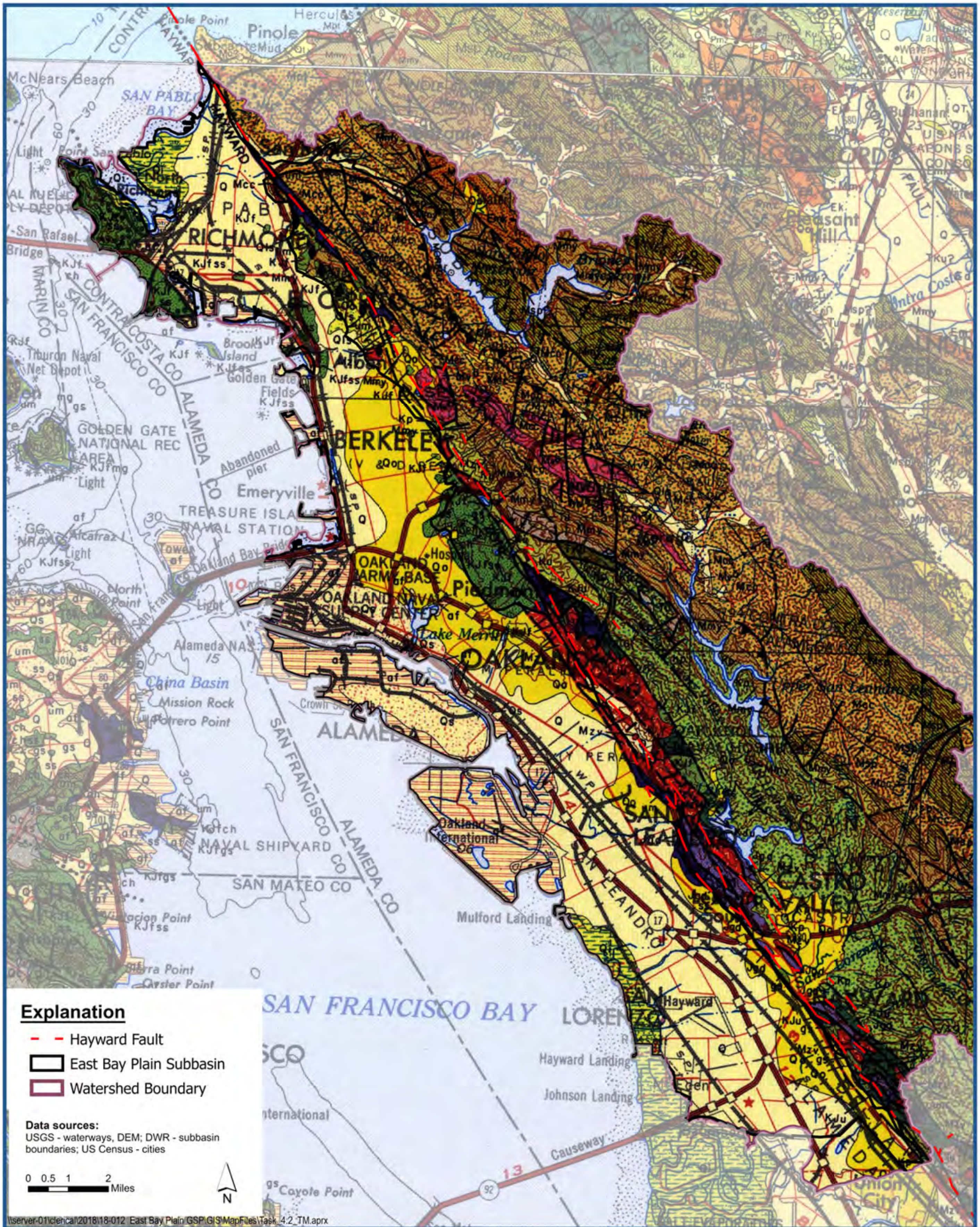
The report delineates three hydrogeologic units: Shallow Aquifer Zone from 30-200 ft bgs; Intermediate Aquifer Zone from 200-500 ft bgs; and Deep Aquifer Zone from 400-660+ ft bgs. The Shallow Aquifer Zone overlaps depth zones for the Newark and Centerville Aquifers in the Niles Cone Subbasin, and the Intermediate Zone has discontinuous sand/gravel deposits that overlap depth zones for the Fremont Aquifer in the Niles Cone. The Deep Aquifer Zone appears to contain continuous coarse-grained deposits within the SEBP that occur at somewhat greater depths than the Niles Cone Deep Aquifer.

The report notes, "Pumping from Well C, which produces water from units 7 and 8 of the Niles Cone Basin, caused a response in City of Hayward Well B that matched the response for a single idealized confined aquifer as represented by Theis (1935) equation, whereas wells, such as the Mount Eden well, in the SEBP Basin, exhibited hydraulic responses that did not match the idealized response. Conversely, pumping in the City of Hayward Well E, which produces water from units 4 and 6 of the SEBP Basin, caused a response in City of Hayward Well B that proved a hydraulic connection but did not match the response for a single idealized confined aquifer. Other Deep Aquifer wells clearly in the SEBP Basin, such as the Mount Eden well, exhibited hydraulic responses that matched the response for a single idealized confined aquifer."

Review of previous aquifer tests conducted by LSCE (2003) and Fugro (2011) led to report conclusions that the SEBP Deep Aquifer has highest transmissivity near the Oro Loma site (96,000 to 141,000 gpd/ft), relatively high transmissivity near Hayward Well E (93,000 to 98,000 gpd/ft), and decreasing transmissivity to the east at Farmhouse well (33,000 to 52,000 gpd/ft).

APPENDIX B

Figures B-1 to B-6



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

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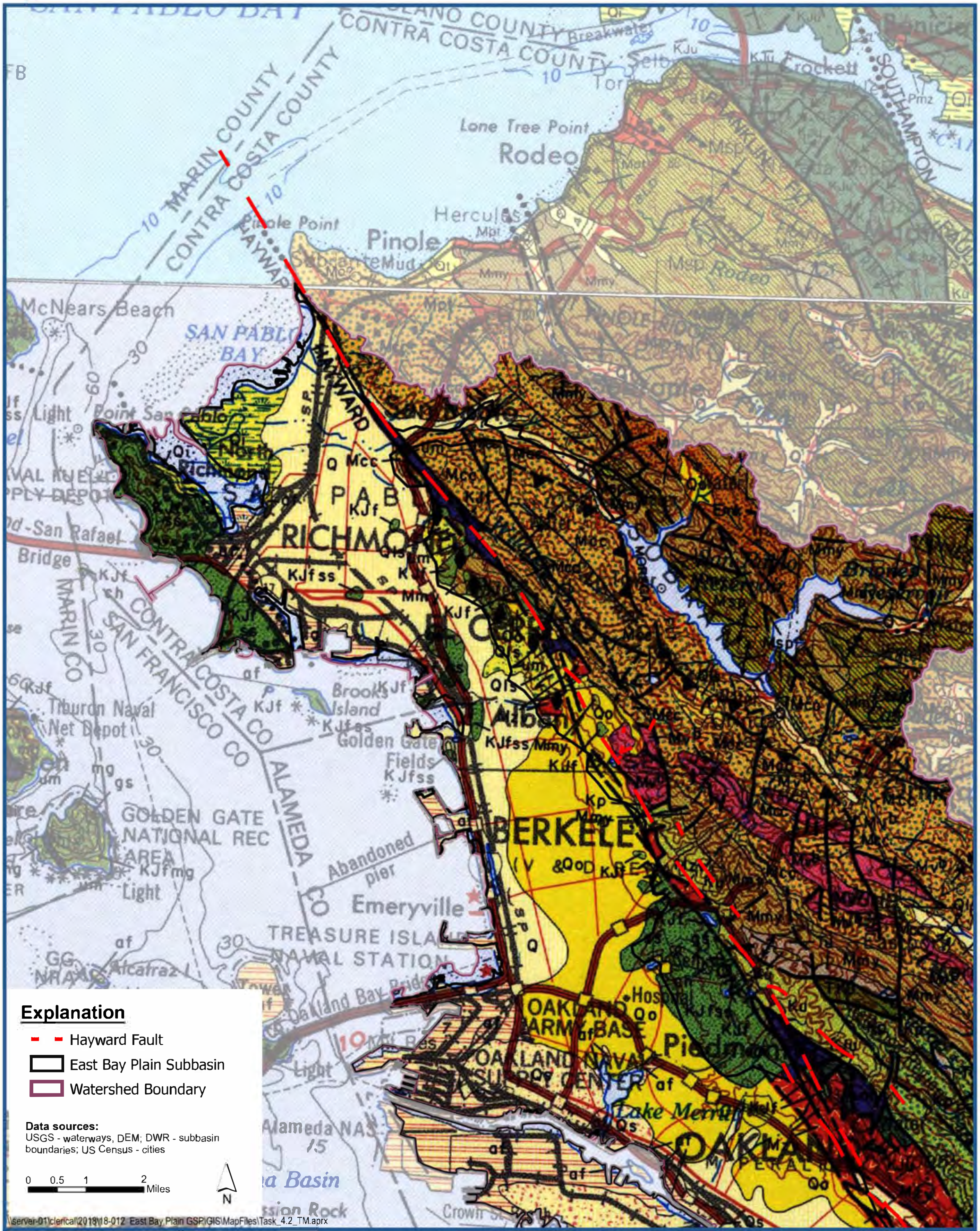
LSCE TEAM

Surface Geologic Map (USGS Quads)

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure B-1



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

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LSCE TEAM

Surface Geologic Map (USGS Quads): North Region

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure B-2

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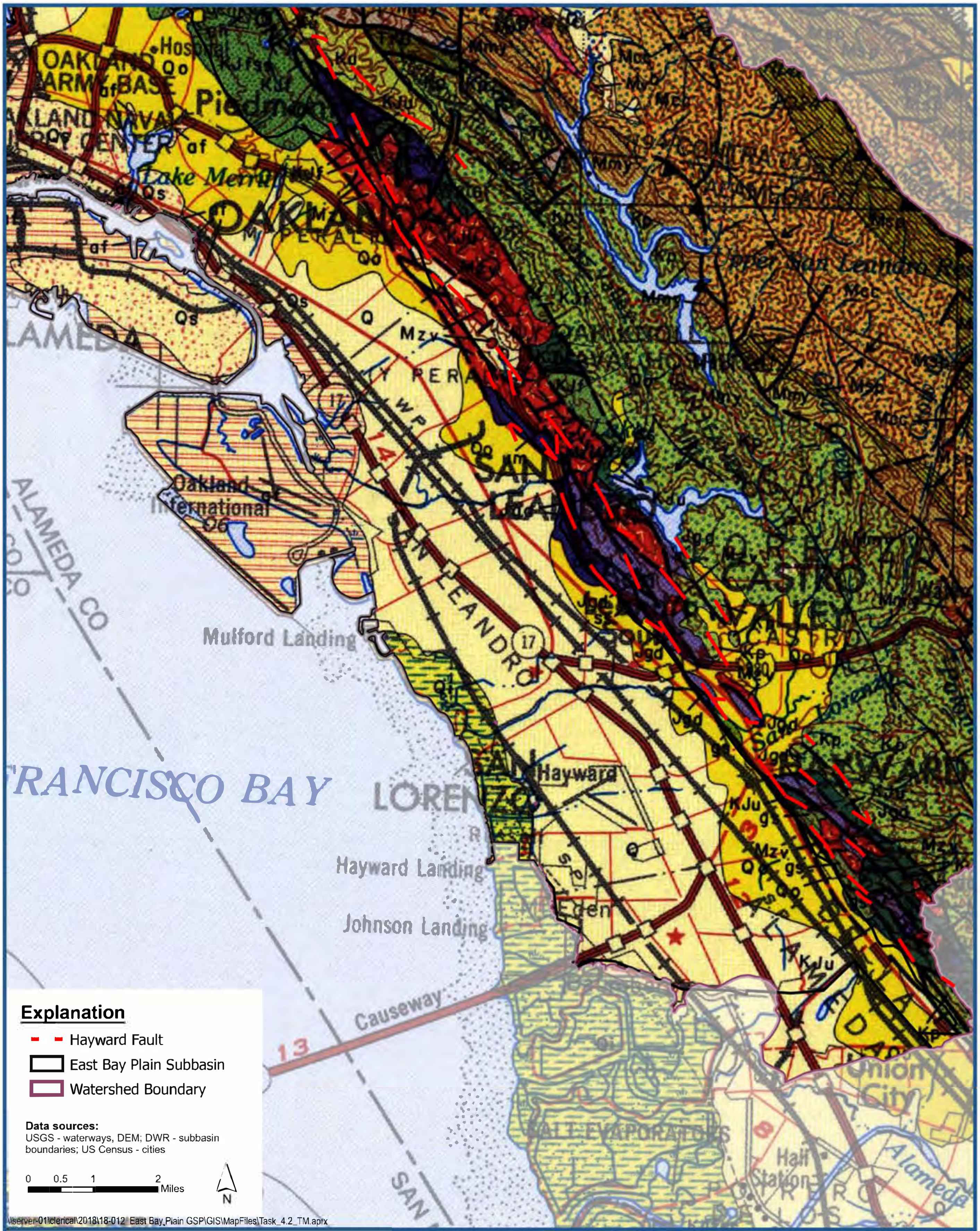
LSCE TEAM

Surface Geologic Map (USGS Quads): Oakland Region

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure B-3

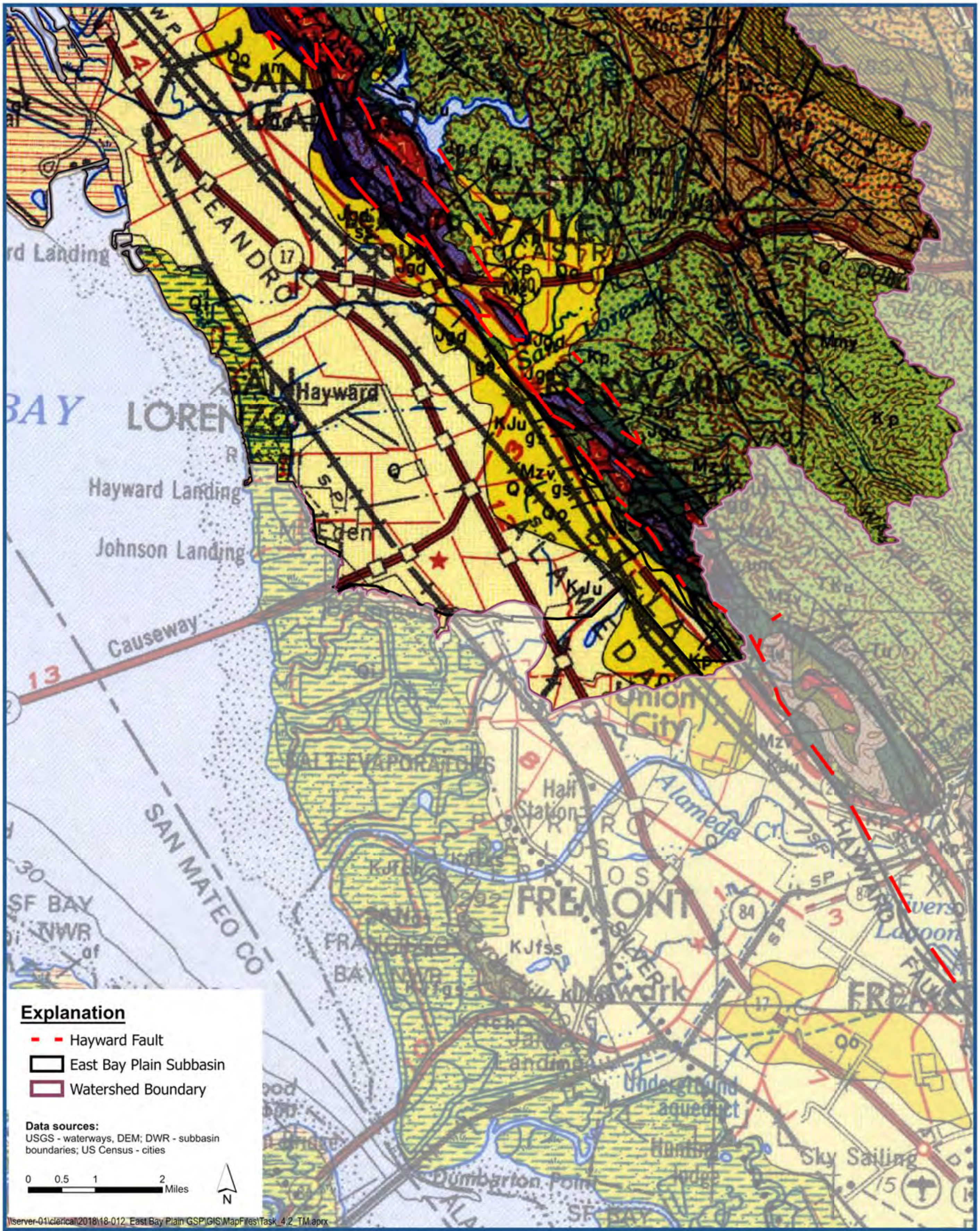


LSCE TEAM

Surface Geologic Map (USGS Quads): San Leandro/San Lorenzo Region

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure B-4



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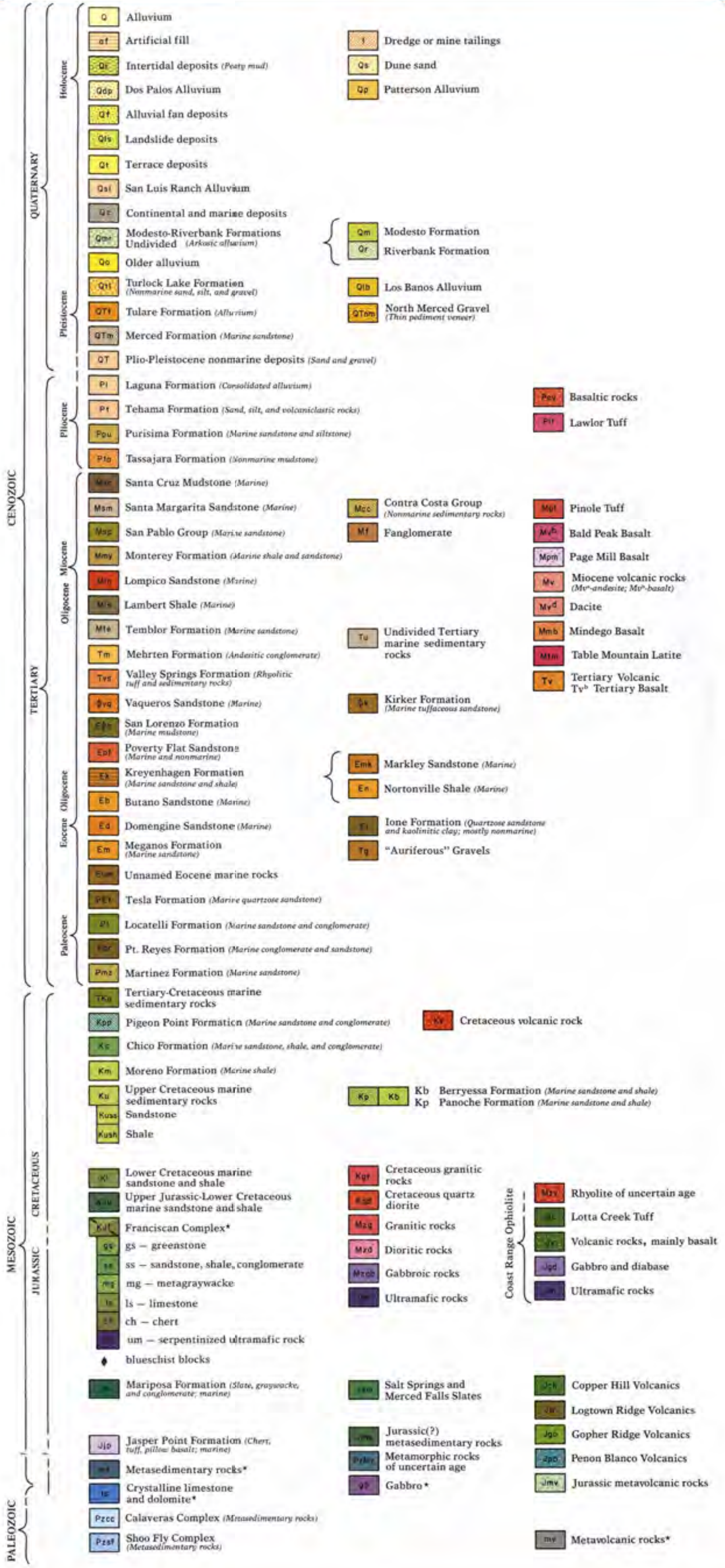
LSCE TEAM

Surface Geologic Map (USGS Quads): Hayward Region

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure B-5



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LSCE TEAM

Surface Geologic Map (USGS Quads) - Legend

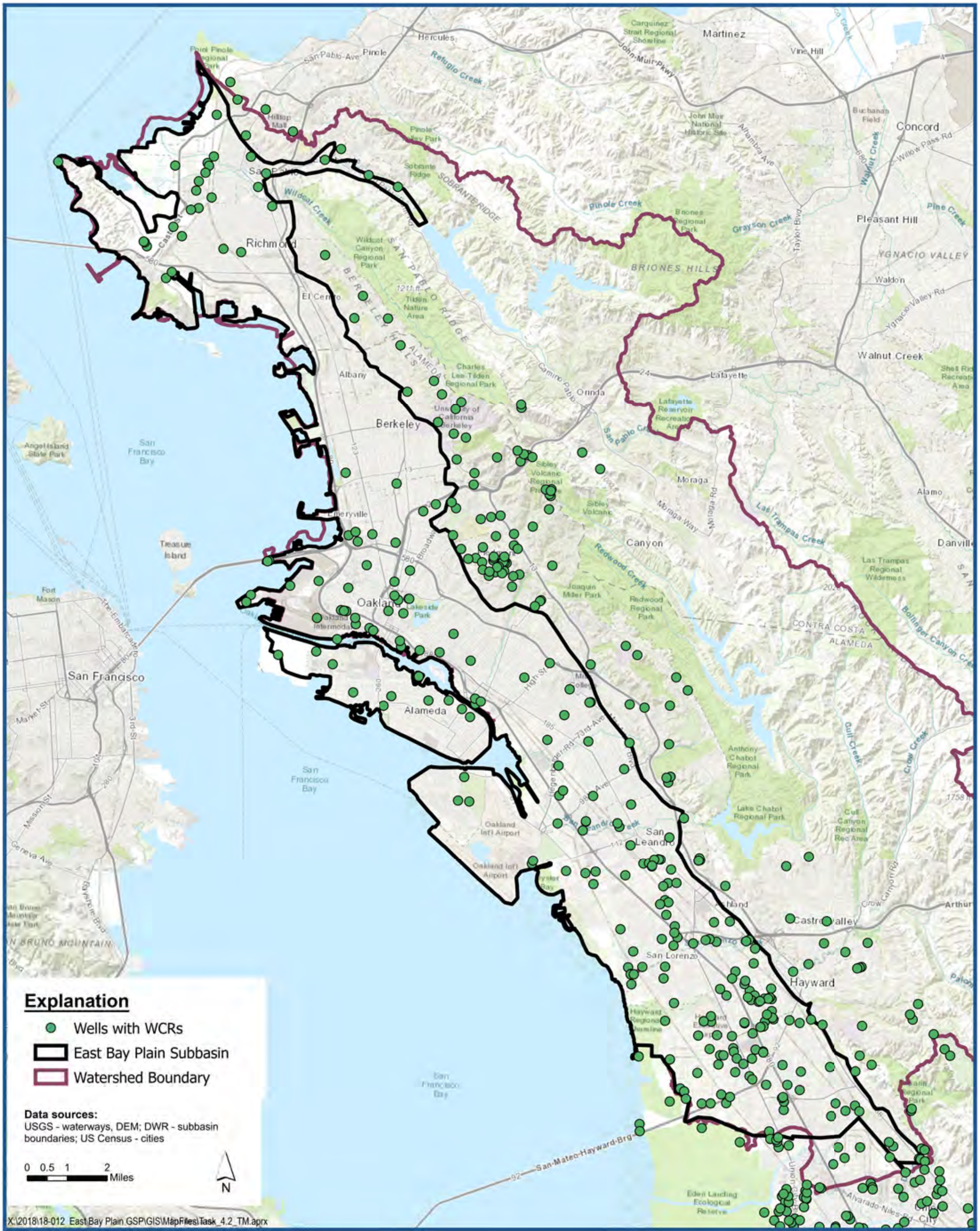
East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure B-6

APPENDIX C

APPENDIX C

Section C-1

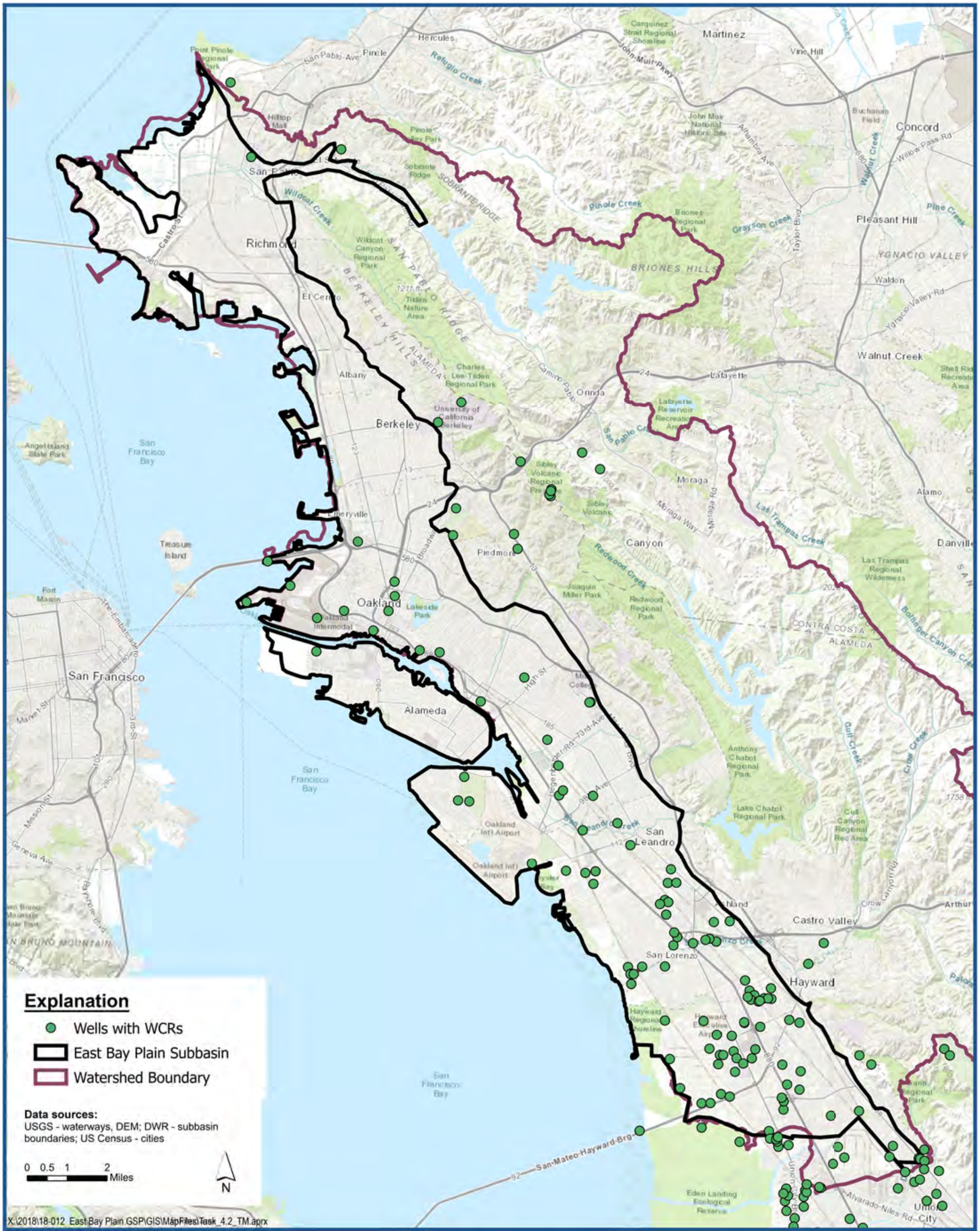


LSCE TEAM

Wells with WCRs Equal or Deeper than 100 feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure C-1



LSCE TEAM

Wells with WCRs Equal or Deeper than 400 feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure C-2

APPENDIX C

Section C-2

Section C-2

The GIS-based Arc Hydro Groundwater (AHGW) application was used as a platform for compiling and organizing data and as an analysis tool in the development of the EBP Subbasin groundwater model. The AHGW can be used to conduct data synthesis and create visuals. In the AHGW environment, data from various sources are spatially located and overlaid in plan and cross section views for comparison and visualization purposes. The final product, which will be included in the Subtask 4.6 TM, is an updated 3-D geologic framework model (3D hydrostratigraphy) that helps form the basis for groundwater flow model layering.

C-2.1 Borehole Geology Data

For the EBP Subbasin, the borehole geologic data from LSCE Team Subtask 4.1 TM (2020), previously published geological cross sections, and the model layering from the 2013 Niles Cone and East Bay Plain Modular Finite Difference Flow Model (NEBMODFLOW) were overlaid in AHGW. The AHGW synthesis provided a single environment in which geological information could be efficiently compared to refine the 3-D geologic model based on all compiled geologic data.

Hydrogeological categories were developed for the 3-D geologic model as listed in **Table C-2.1**. The borehole geology data were categorized into 15 Material Categories as shown in **Table C-2.2,** and each material category was classified into one or more of the seven hydrogeological categories (based on relative hydraulic conductivity) as shown in **Table C-2.2**. Material categories were based on the dominant geologic material described (e.g., gravel, clay), while hydrogeological categories were assigned based on estimated relative hydraulic conductivity (K). Material categories and hydrogeological categories can be displayed in cross section format to allow for meaningful visualization of the documented geology from borehole logs.

Table C-2.1: Hydrogeological Categories for 3-D Geologic Model

Hydrogeological Category	Definition
1	>100 ft/d High K (dominantly sand and/or gravel)
2	(1 to 100 ft/d) Moderate K (mixture of gravel and/or sand, with silt and/or clay without enough detail in boring logs to refine)
2a	(10 to 100 ft/d) Moderate to High K (gravel and/or sand that includes some silt and/or clay)
2b	(1 to 10 ft/d) Moderate to Low K (silt and/or clay that includes some sand and/or gravel)
3	(0.1 to 1 ft/d) Low K (predominantly silt or clay)
4	(<0.1 ft/d) Very low K (for example well-developed clay)
5	(<0.1 ft/d) Very low K (Bedrock only)

Table C-2.2: Material Categories for 3-D Geologic Model

Material Categories	Hydrogeologic Category* (from Table 4-1)
Impermeable Surface Cover	4
Topsoil	1, 2, 2a, 2b, 3
Hardpan	4
Fill	2
Clay	3
Silt	3
Clayey/Silty Sand	2, 2a, 2b
Gravel with fines	2a, 2b
Sand	1
Sand Gravel	1
Gravel	1
No Returns	NA, 1, 3, 5
Shale	5
Cemented Geologic Materials	4
Bedrock	5

*Some material categories are assigned to multiple hydrogeologic categories. For these material categories, hydrogeological categories were assigned based on the full geologic description of the material, the geologic description of over- and underlying materials, and professional judgement.

It is anticipated that the 3-D geologic model database developed for this project will be useful for the current GSP scope of work (e.g., Subtask 4.4 Groundwater Model Development) and future work efforts (i.e., GSP-related and non GSP-related) for the EBP Subbasin. Information from new boreholes drilled in the EBP Subbasin can be easily added to the 3-D geologic model database to keep it up-to-date. Future studies in specific areas of the EBP Subbasin can readily extract available borehole/well data in the area of interest for use in developing local geologic cross-sections, local modeling efforts, and for other purposes.

APPENDIX D

Section D-1

Geologic Cross-Sections from CH2M Hill (2000)

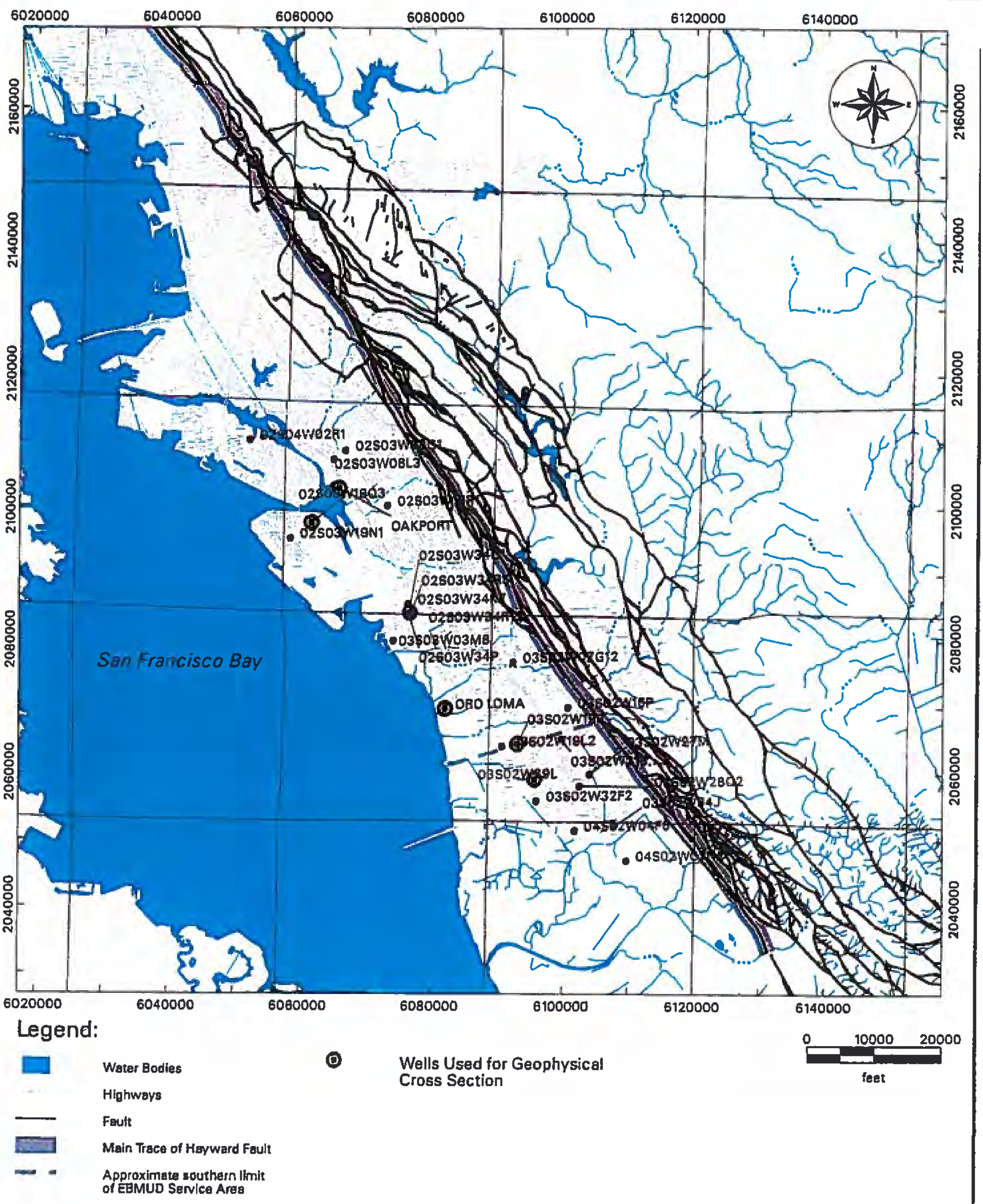


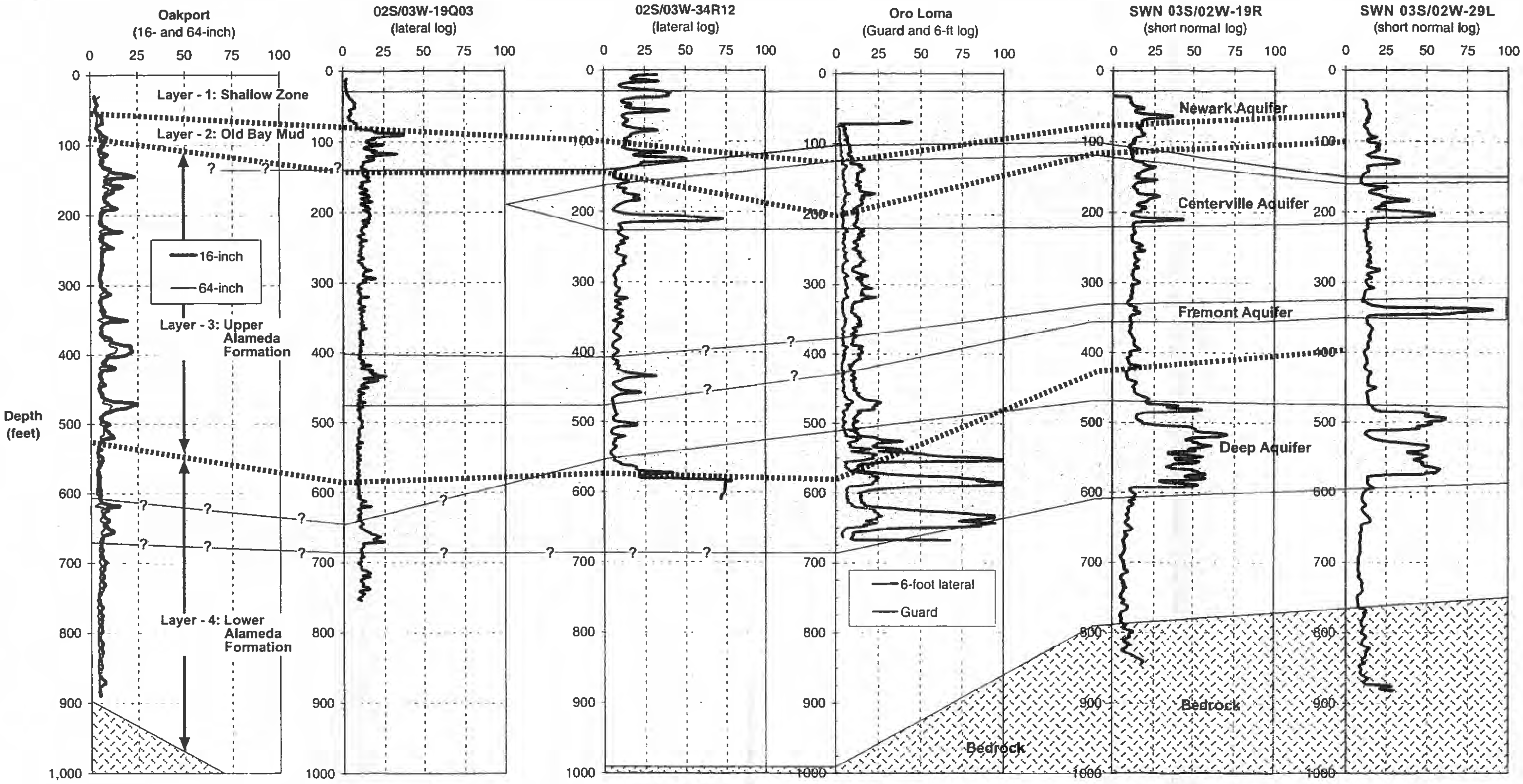
Figure 4

E-Log Locations

EBMUD Regional Hydrogeologic Investigation

CH2MHILL

e-logs.gra CABERNET://154602/amls/e-logs.aml 01/14/00.09:12:01.Fri



Notes 1) Layer depths are directly from Rogers and Figuers (1991) and work conducted for this study
2) Aquifer correlations are interpretive based on results of this study and therefore do not completely coincide with layers defined by Rogers and Figuers (1991)

▪▪▪▪▪▪▪▪ Layer Boundaries

☐ Aquifer Unit (interpretive)

FIGURE 5
RESISTIVITY LOG CORRELATIONS
(Log data in Ohm-m)

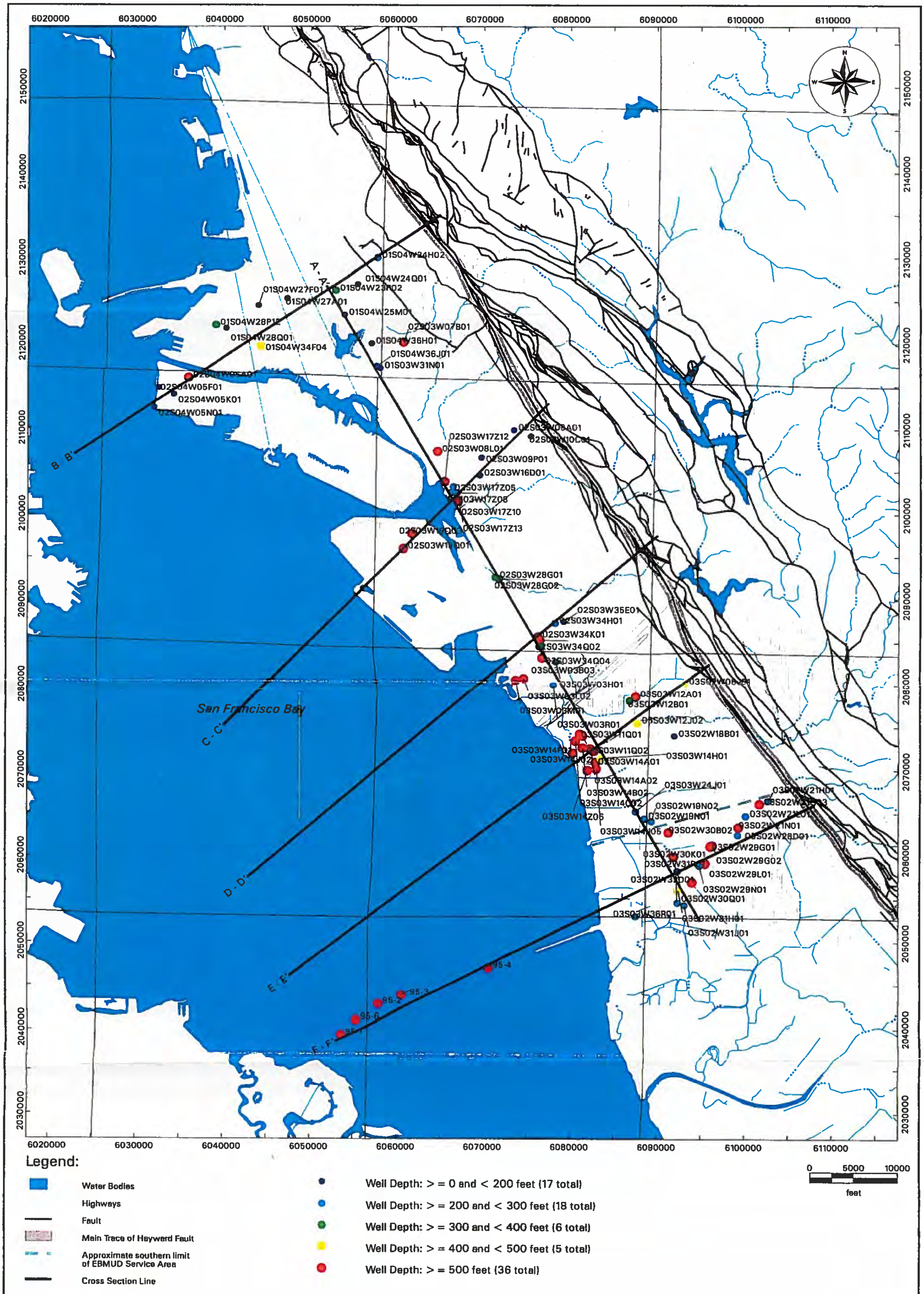


Figure 6
Cross Section Locations
EBMUD Regional Hydrogeologic Investigation

xsec-wells.gra CABERNET://154602/amls/xsec-wells.aml 01/12/00.12:57:47.Wed

CH2MHILL

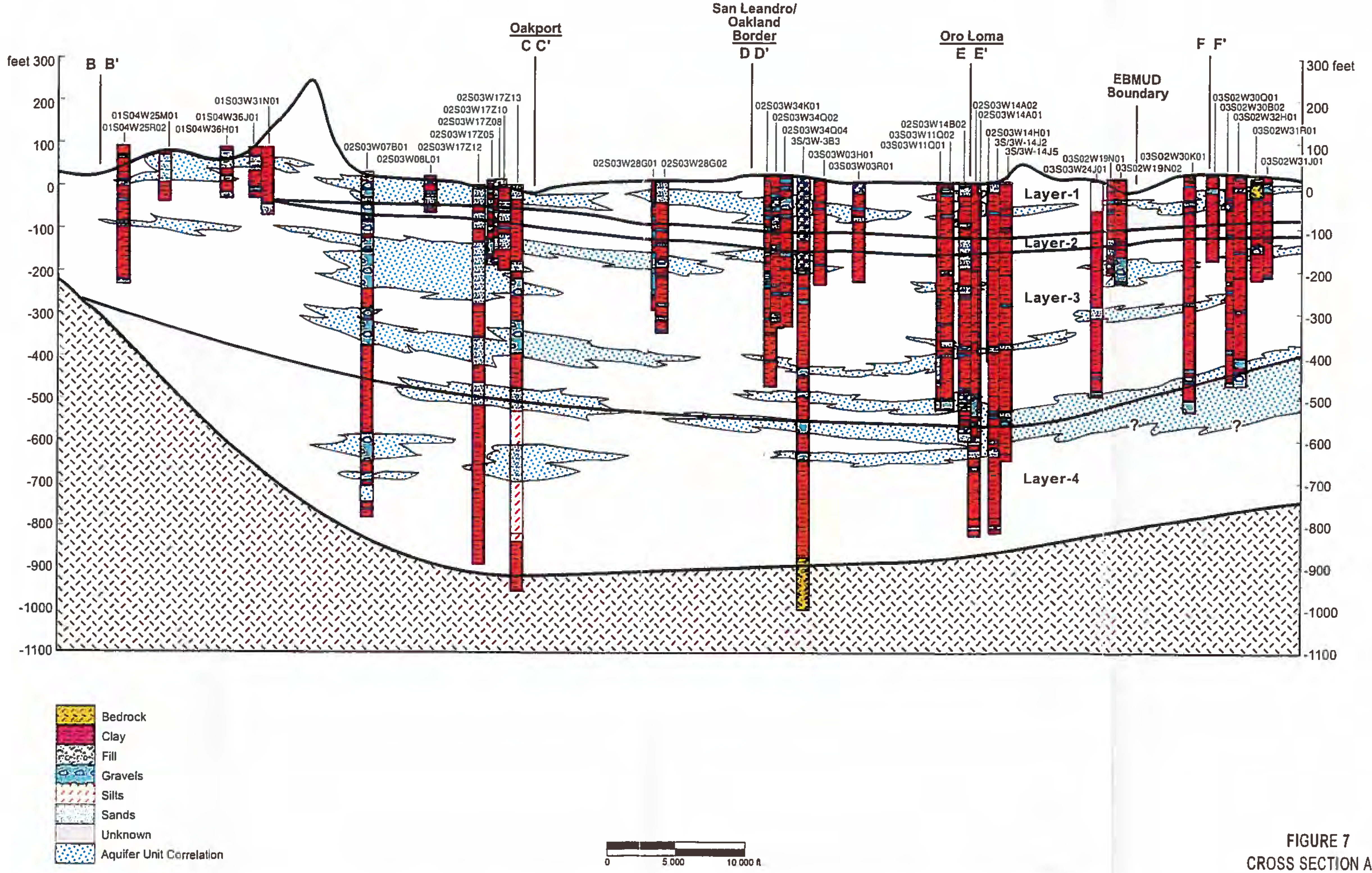


FIGURE 7
CROSS SECTION A-A'

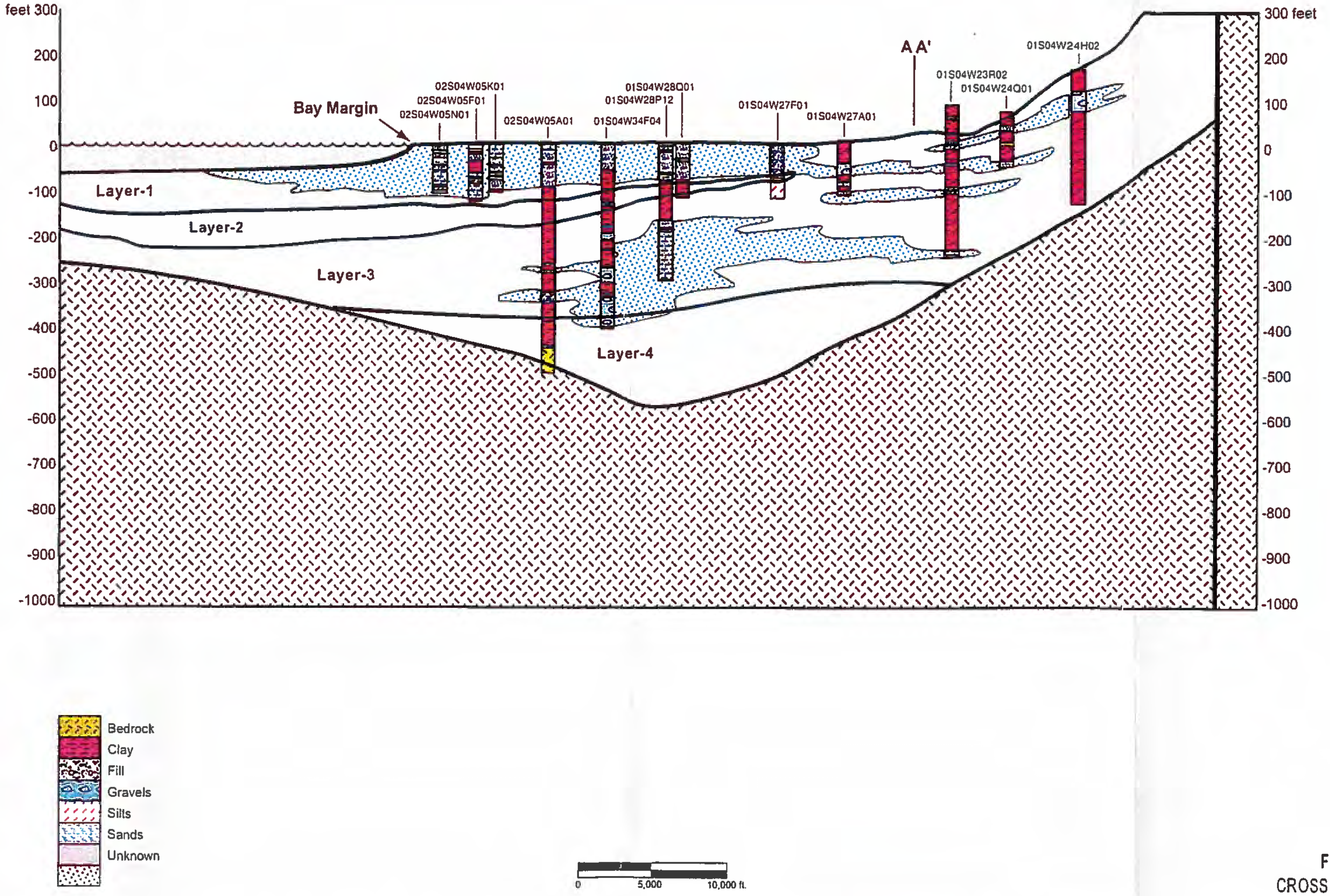


FIGURE 8
CROSS SECTION B-B'

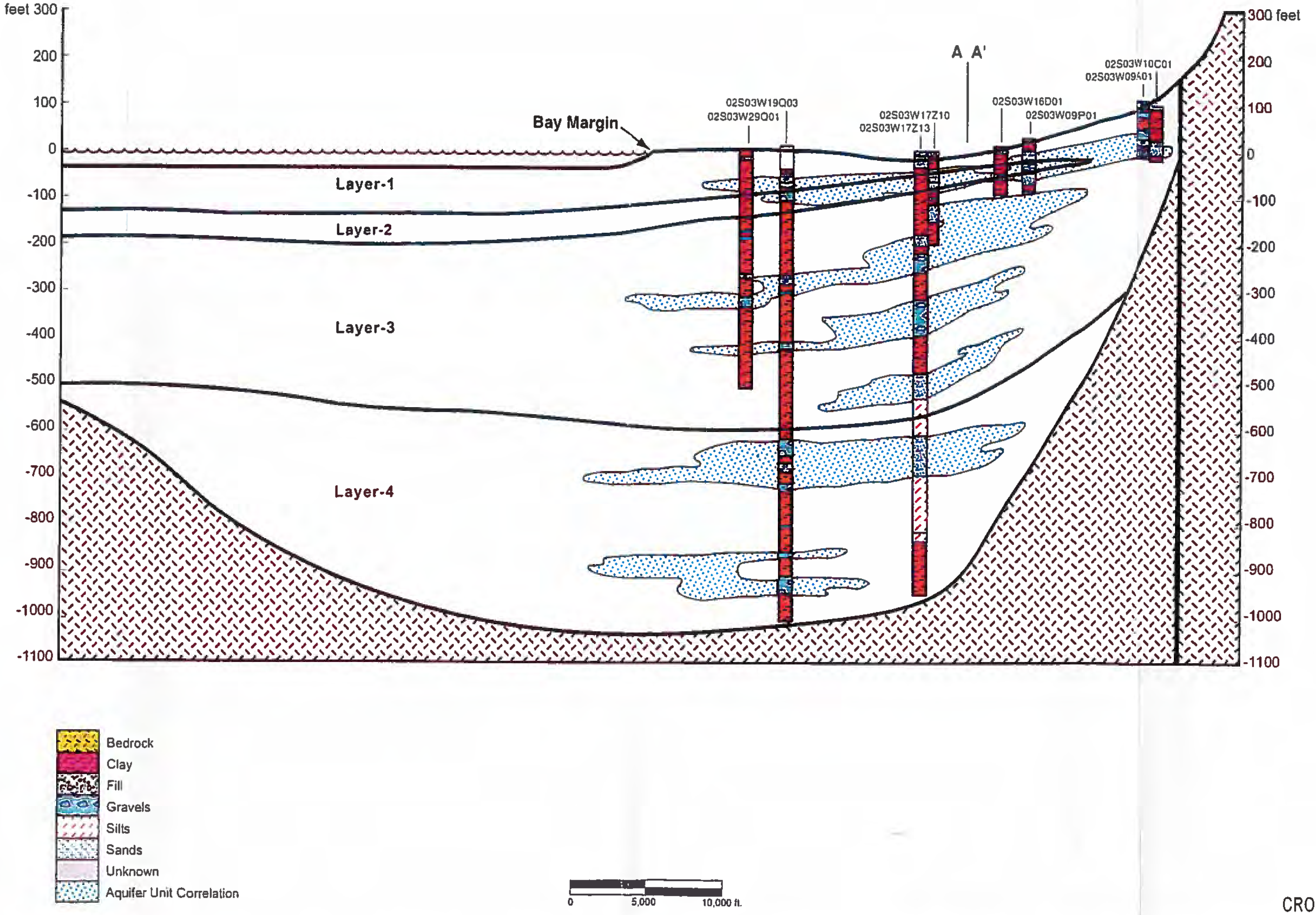


FIGURE 9
CROSS SECTION C-C'

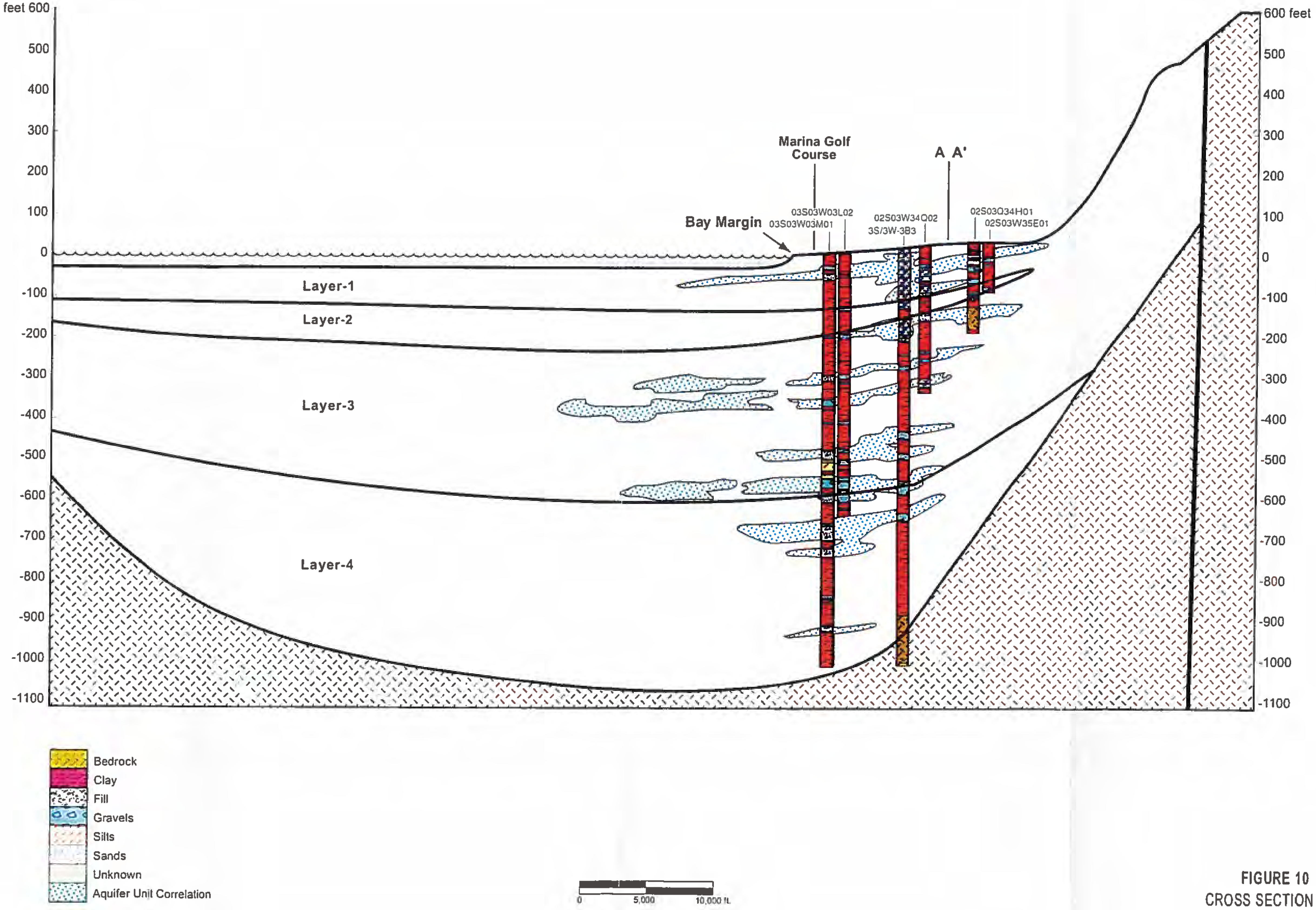


FIGURE 10
CROSS SECTION D-D'

154602 20 02 EBMUD_D fh8 lky 1/11/00

CH2MHILL

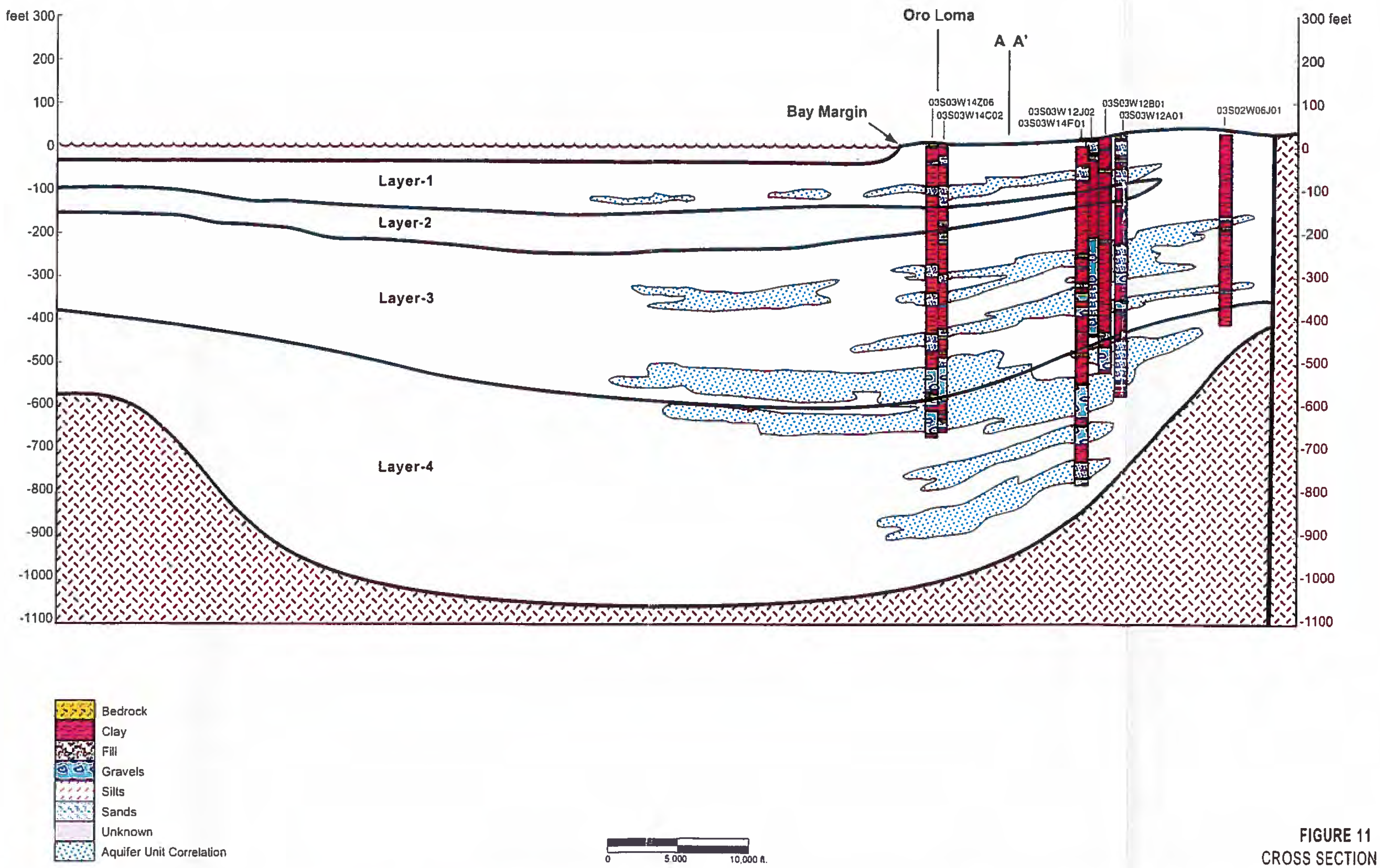


FIGURE 11
CROSS SECTION E-E'

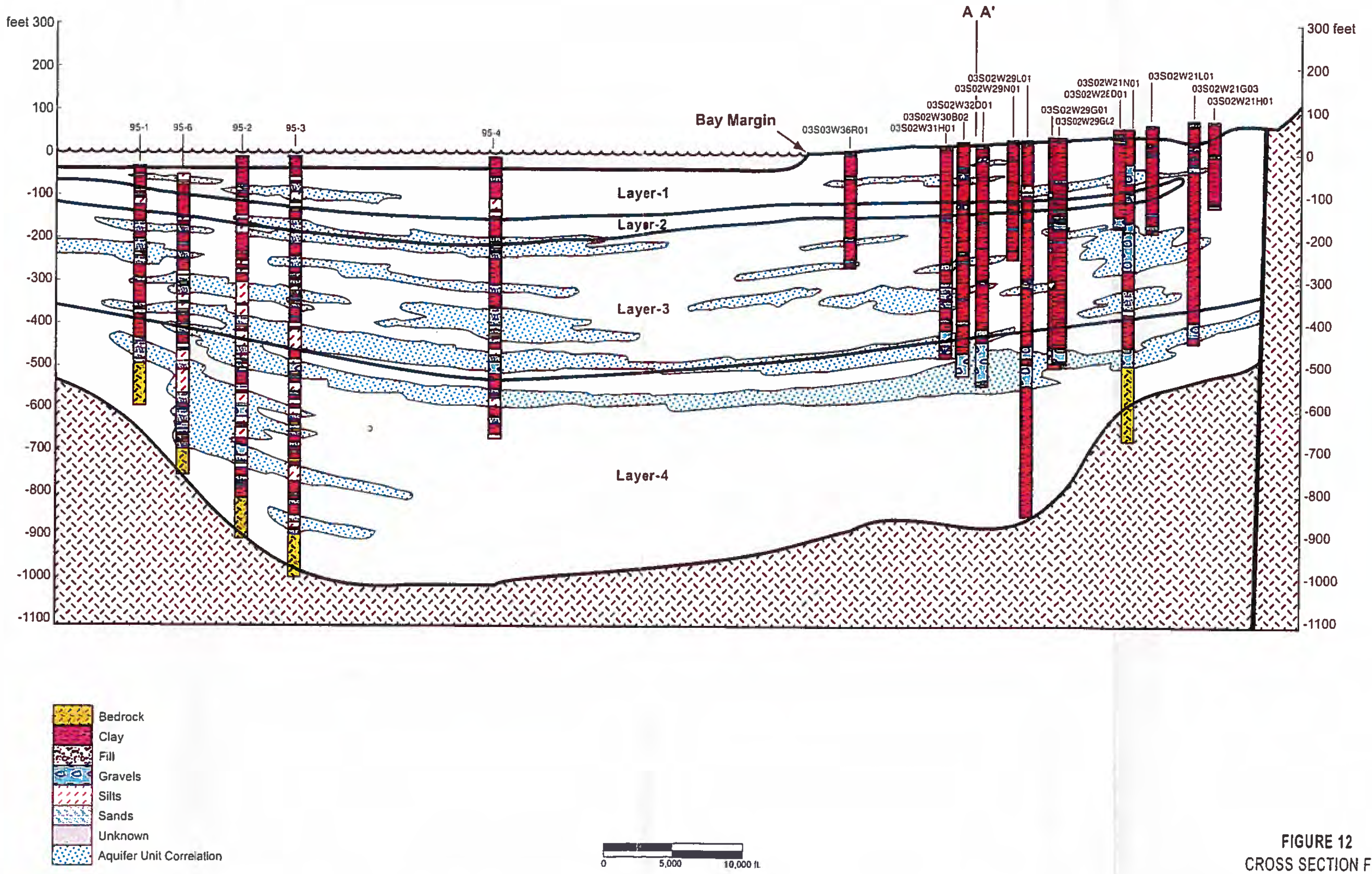


FIGURE 12
CROSS SECTION F-F'

CH2MHILL

Section D-2

Geologic Cross-Sections from LSCE (2003)

III. Hydrogeology

Introduction

This chapter describes the results of the conceptualization of the hydrogeologic relationship between the Deep SEBP Aquifer and the Deep NCGWB Aquifer. Shallower or intermediate units were not examined in as great detail because of lack of data and control, and because of the existence of previous extensive study of the shallower units, especially the Niles Cone aquifers (i.e., Newark, Centerville, and Fremont Aquifers). Stratigraphic nomenclature used by previous studies were simplified to be merely descriptive, rather than to provide greater characterization.

Historically, the South East Bay Plain (SEBP) and Niles Cone (NCGWB) ground-water basins have been treated independently in academic and groundwater resources investigations. The literature provides no definitive or detailed description of their relationship either in stratigraphic, structural, or hydraulic terms. Modern-day (post-1960's) water supply development activities have generally targeted "deep" aquifer materials, generally 350 to 600 feet below the ground surface.

From public sources, including records from the Department of Water Resources, Alameda County, EBMUD, and ACWD, a thorough search of well reports and logs was conducted in an attempt to evaluate the area where the deep aquifers of the two basins appear to come together geographically. Figure 1 shows the distribution of well control, the location of cross-sections constructed for this study, and a delineation of a 30,000-foot sphere of influence for the aquifer tests involving City of Hayward Wells C and E. A large-scale well map is included in the report folder which provides well numbers for all the wells used in the hydrogeologic analysis.

Stratigraphic and structural relations between the two basins cannot be completely defined by review of previous investigations and detailed interpretation of the well data compiled for the current work. It was found that the manner in which the two ground-water basins come together is more complex than existing well control indicates in terms of stratigraphy or structure. The inability to describe the relations primarily results from the lack of geophysical data at depth (i.e., below the interpreted base of deep aquifer materials in the transition region where they would appear to merge). Many wells reach the interpreted top of the deep aquifer systems; however, without geophysical data through the entire sequence of deep aquifer materials, interpretation is limited and potentially misleading. A case in point is the apparent relationship between aquifer units completed in Hayward’s Wells C, B, and E which are central to the aquifer testing described in this study. Here, it is only the fact that geophysical logs at these sites extend below the completion intervals that has permitted an interpretation and hypothesis regarding an indirect connection between Well E and Wells B and C (see Figure 4, Cross-section 3-4).

Without an explicit or obvious stratigraphic or structural explanation of the connection between the Deep SEBP Aquifer and the Deep NCGWB Aquifer, aquifer test results were ultimately useful in providing complementary information by addressing their hydraulic connection.

Geologic Setting

The South East Bay Plain and Niles Cone ground-water basins of the San Francisco Bay area have been a source of water supply for more than 100 years. Investigations, studies, and litigations regarding the ground-water system have been documented for almost as long a period of time (ACWD, 1993; Brown and Caldwell, 1984 and 1986; CH2MHILL, various; Fugro, various; Hickenbottom and Muir, 1988; Kessell, 1977; Maslonkowski, 1984 and 1988; Muir, various; Norfleet, 1988). Most of the groundwater investigations have focused on one basin or the other: the South East Bay Plain north of the old channel of Alameda Creek near Hayward Well C (previous citations) or the Niles Cone to the south (Bailey, 1920; California DWR, 1960; Clark, 1915; Koltermann, 1993).

Studies which encompass both areas tend to be more generalized or regional in scope and contribute somewhat to an understanding of hydrogeologic relationships (Atwater and others, 1977; Aydin and Page, 1984; California DWR, 1963; California State Water Resources Board, 1955 a, b; Fio, 1995; Goldman, 1967; Halley and Graymer, 1997; Norfleet, 1998; Webster, 1972). However, nearly all geologic cross-sections that appear in the literature also tend to show one or the other of the basins, not both, and therefore do not address the primary objectives of this study.

In general, three structural elements, or blocks, exist in the study area:

1. A sedimentary depositional center beneath the San Francisco Bay and South East Bay Plain, which is filled with up to 2000 feet of sedimentary deposits.

2. The Coyote Hills block consisting of a thinner sedimentary sequence of the Niles Cone basin overlying consolidated bedrock which is exposed in the Coyote Hills.

3. The East Bay Hills, consisting of consolidated, highly deformed bedrock, is bound by the Hayward fault, an active right-lateral, strike-slip fault with the western side moving northward relative to the east side.

The South East Bay Plain to the north of the transition area is composed of a main deep aquifer below about -400 to -500 feet elevation, averaging about 100 feet in total thickness. Overlying the Deep SEBP Aquifer is a predominately fine-grained sequence of clays and silts with interbedded thin, discontinuous sands which is termed the South East Bay Plain Alluvium. Below the Deep SEBP Aquifer is a thick sequence of older mudstones and claystones devoid of sand beds lying on top of even older consolidated sedimentary bedrock.

South of the transition area, the Niles Cone area is underlain by about a 350-foot sequence of inter-bedded sand and gravel layers and clay and silt beds termed the Niles Cone Alluvium. The sand and gravel beds have been named in classical studies as the Newark, Centerville, and Fremont Aquifers, from the ground surface downward. These beds, because of their highly transmissive nature, have been a primary target of water supply wells in the area.

Below the Niles Cone alluvium, a thick sand and gravel sequence has been termed the Deep NCGWB Aquifer. It occurs below an elevation of about -350 feet. The Deep NCGWB Aquifer has been less extensively explored and utilized than the Deep SEBP Aquifer to the north. Beneath the Deep NCGWB Aquifer, a thin sequence of mudstone and claystones overlie older consolidated sedimentary rocks at an elevation of about -800 feet.

Deep Aquifer - South East Bay Plain

Examination of the deep aquifer beneath the South East Bay Plain is possible because of numerous geophysical logs from deep test hole drilling activities by the City of Hayward and East Bay Municipal Utility District (EBMUD). The sites where these drilling activities have occurred extend from the San Francisco Bay southeastward, though there are few in the eastern portions and no geophysical logs in the western portion near the Bay (see Well Depths > 600 ft; Figure 1). Drillers reports on boreholes were used to evaluate gaps in well control; however, even with driller’s reports, geologic data is relatively sparse overall.

Detailed geophysical log correlation of individual beds within the Deep SEBP Aquifer reveals a complex depositional pattern (see Figures 2 - 4). Eight major subdivision beds of the Deep SEBP Aquifer were correlated based on geophysical log patterns and trends. The beds show a complex lensing nature where subsequent overlying beds tend to shift southward partially overlying older beds and extending further south. The individual beds tend to thin and fine north and south with a central area of coarser and thicker deposits. Subdivision Beds 1-6 tend to show the gradual southerly shift, and a gradual stratigraphic and elevation rise. The exception to this is Subdivision Bed 5, which appears to shift northward.

The final two subdivision beds, 7 and 8, appear to be more channelized and limited in extent than the preceding beds, and they rise more rapidly stratigraphically than the others; however, this apparent change may be related to the configuration of the cross-section and, therefore, a function of well control. Limited borehole information may indicate that Subdivision Beds 7 and 8 fan out wider to the west.

East-west cross-sections prepared in this investigation, Figures 11 - 14, indicate that the Deep SEBP Aquifer thins rapidly to the east. However, in certain areas thick Deep SEBP Aquifer deposits appear to occur in channelized zones both perpendicular (east-west) to the basin and in north-south valleys (Figure 13 and 14). Correlation of Deep SEBP Aquifer beds westward to the edge of the San Francisco Bay (see Figure 15) should be considered tentative because of lack of well control. Additional test hole information along the Bay shore between Oro Loma wells and the San Mateo Bridge would certainly contribute to a better understanding of the deep aquifer configuration in that area.

Initially, it was believed that structural contour maps and equal thickness maps on the Deep SEBP Aquifer could provide insight to the overall occurrence of the unit. However, because of the complex stratigraphic relationships apparent from the well data and the lack of adequate well control, these maps were not useful in this evaluation.

Deep Aquifer - Niles Cone Ground-Water Basin

An initial review of borehole information indicated a lack of geophysical log control south of the Alameda Creek channel. For a distance of 4 miles south, only 4 geophysical logs were found. All but one of them dated from the late 1950's, and all occurred in a narrow east-west band near the northern Niles Cone boundary.

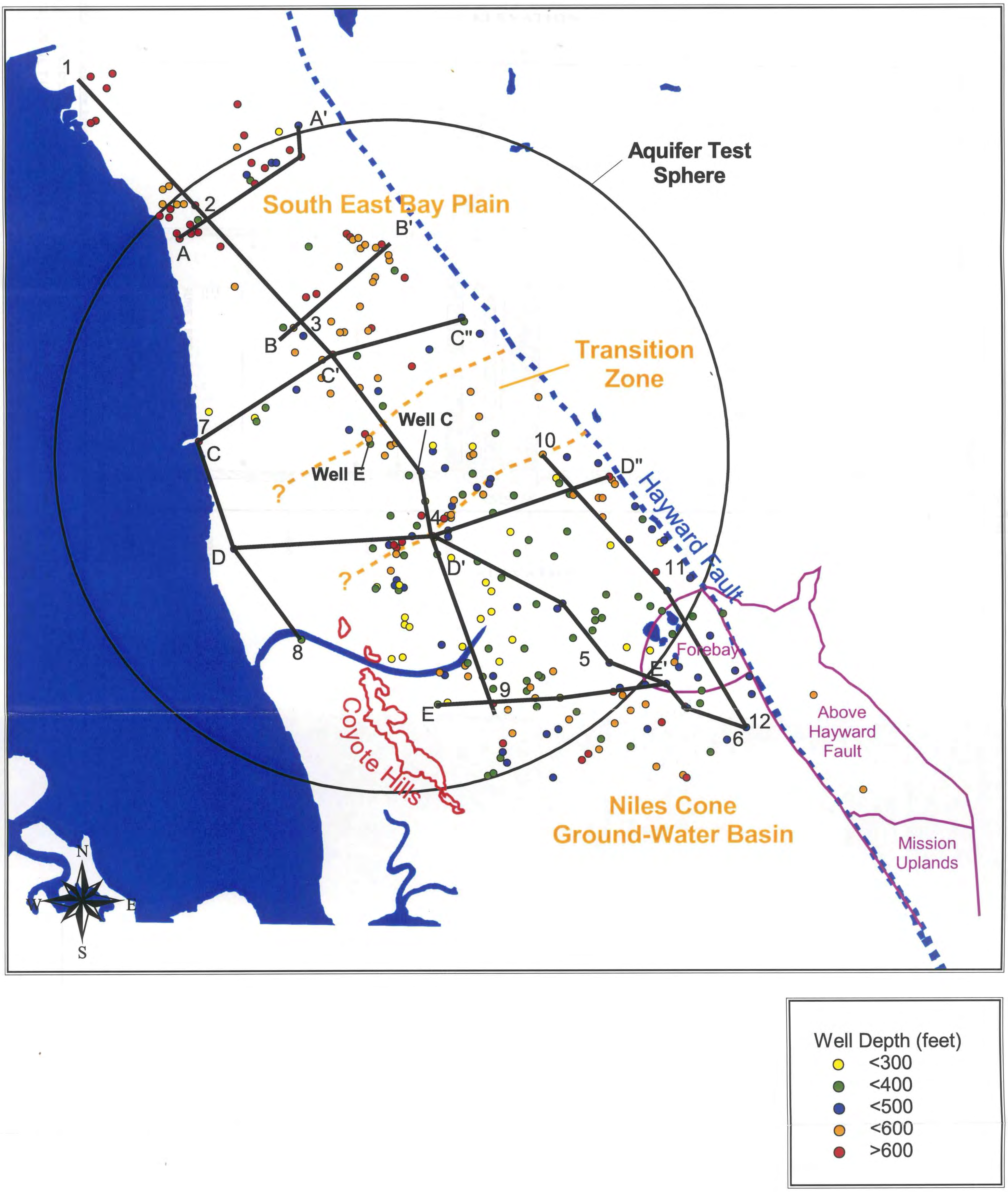
Complications in interpreting these logs were immediately apparent. ACWD Test Hole No. 1 (4/2-9H1; see Figure 4) encountered virtually no sand and gravel beds below an elevation of -400 feet. However, ACWD Test Hole No. 2 (4/2-10N8; see Figure 5), situated only one-half mile south, encountered a thick sequence of sand, gravel, and boulders between -400 and -550 feet. This stratigraphic discontinuity was evaluated by lithologic cross-sections using available well control to the east and west. Unfortunately, most wells were less than 500 feet deep except for the old cable tool boreholes in the Alvarado well field. The cross-sections indicated that south of a particular line, wells encounter thick, coarse, sand and gravel beds below about -400 feet. North of that line, thinner or little sand and gravel beds have been encountered in wells. To the west, the drillers logs reveal an even more complex setting, which is illustrated on cross-sections in Figures 16 and 17; an explanation for this discontinuity is a possible fault offset or complex stratigraphic relationships of the Deep NCGWB Aquifer.

Definition of the thickness and extent of the Deep NCGWB Aquifer is tentative because of the lack of adequate geophysical logs and geologic information from boreholes and wells. In general, the Deep NCGWB Aquifer appears to rise gently to the east and thins and/or fines to the south. Again, the most significant deficiency in data needed to describe the deep aquifer is the lack of geologic and geophysical information from boreholes and wells drilled through the Deep NCGWB Aquifer. Without such data, the complete stratigraphic sequence encompassing deep aquifer sediments cannot be interpreted.

Generalized Cross-Section of SEBP and NCGWB

Figure 18 shows a generalized north-south cross-section of the deep aquifers through the SEBP and NCGWB study area. It is based on the detailed cross-sections cited in the preceding discussions of each basin. This figure provides a broader perspective of the occurrence of the deep aquifers and the interpreted transition zone between them.

Within the transition zone precise stratigraphic and structural relationships are unclear due to limits in well control. The interpreted boundaries, shown on Figure 18, are curved and reflect an apparent change in bedding characteristics from one basin to another. For example, the intermediate aquifers in the Niles Cone region appear to transition from continuous beds in the south, to somewhat discontinuous in nature within the transition zone, to clearly discontinuous and thinner to the north in the SEBP. Furthermore, the demarcation of these subsurface changes appears to be curved (as opposed to vertical) as reflected on the cross-section in Figure 18.



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LUHDORFF & SCALMANINI
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Figure 1
Location Map
East Bay Plain

ELEVATION

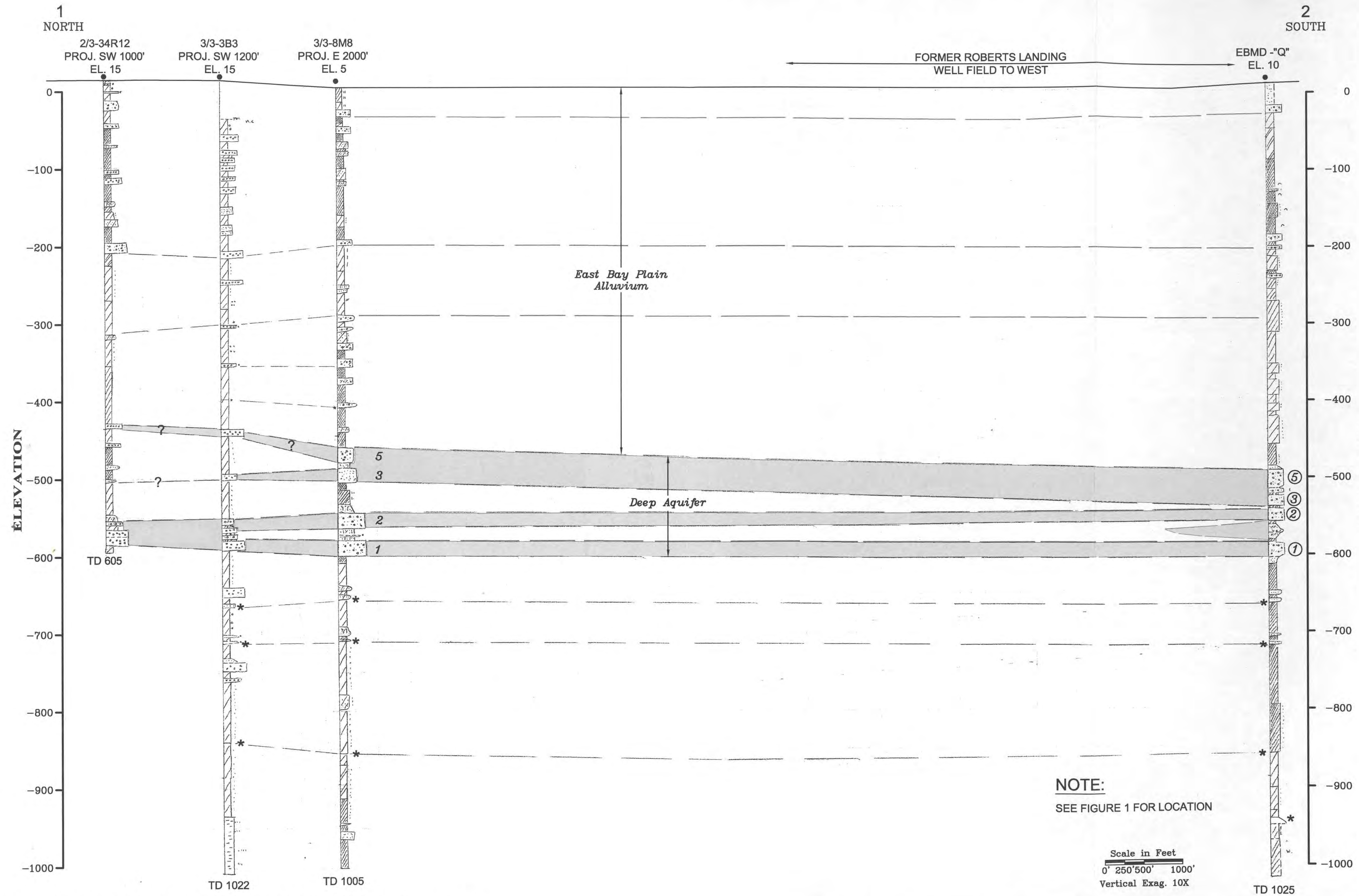

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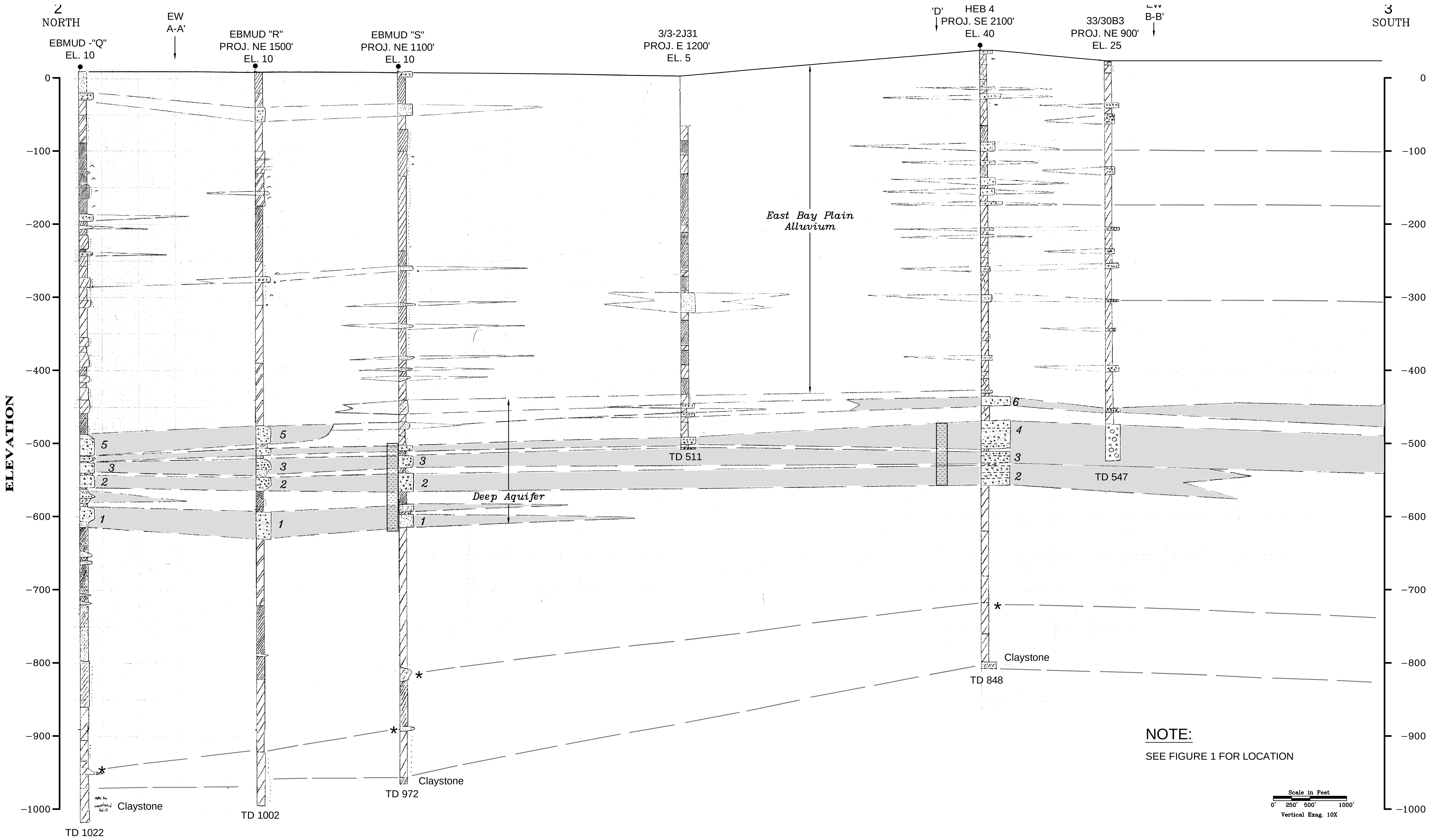
Figure 2
Geologic Cross Section North-South 1-2
East Bay Plain



NOTE:

SEE FIGURE 1 FOR LOCATION

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Figure 3
Geologic Cross Section North-South 2-3
East Bay Plain

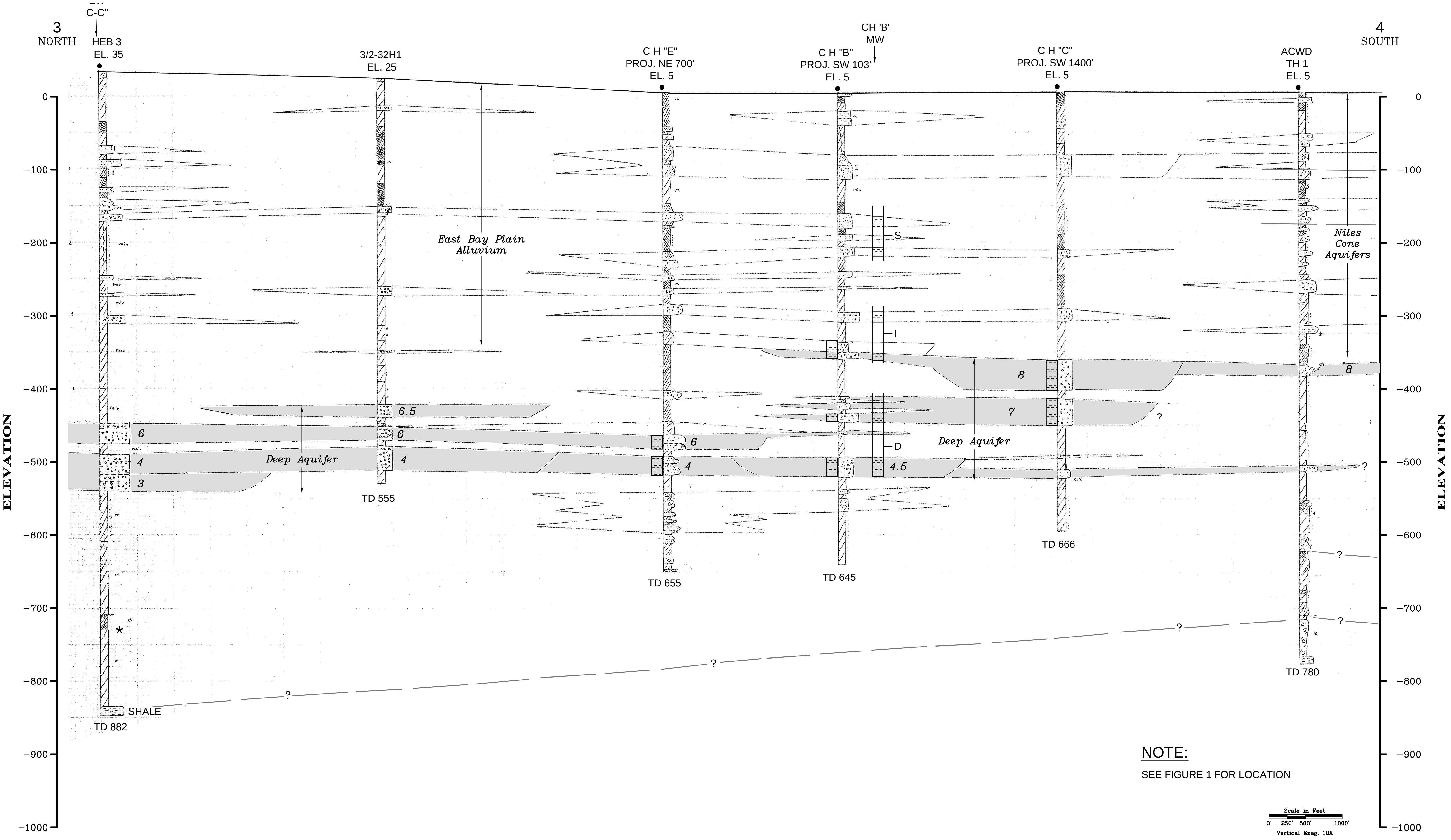

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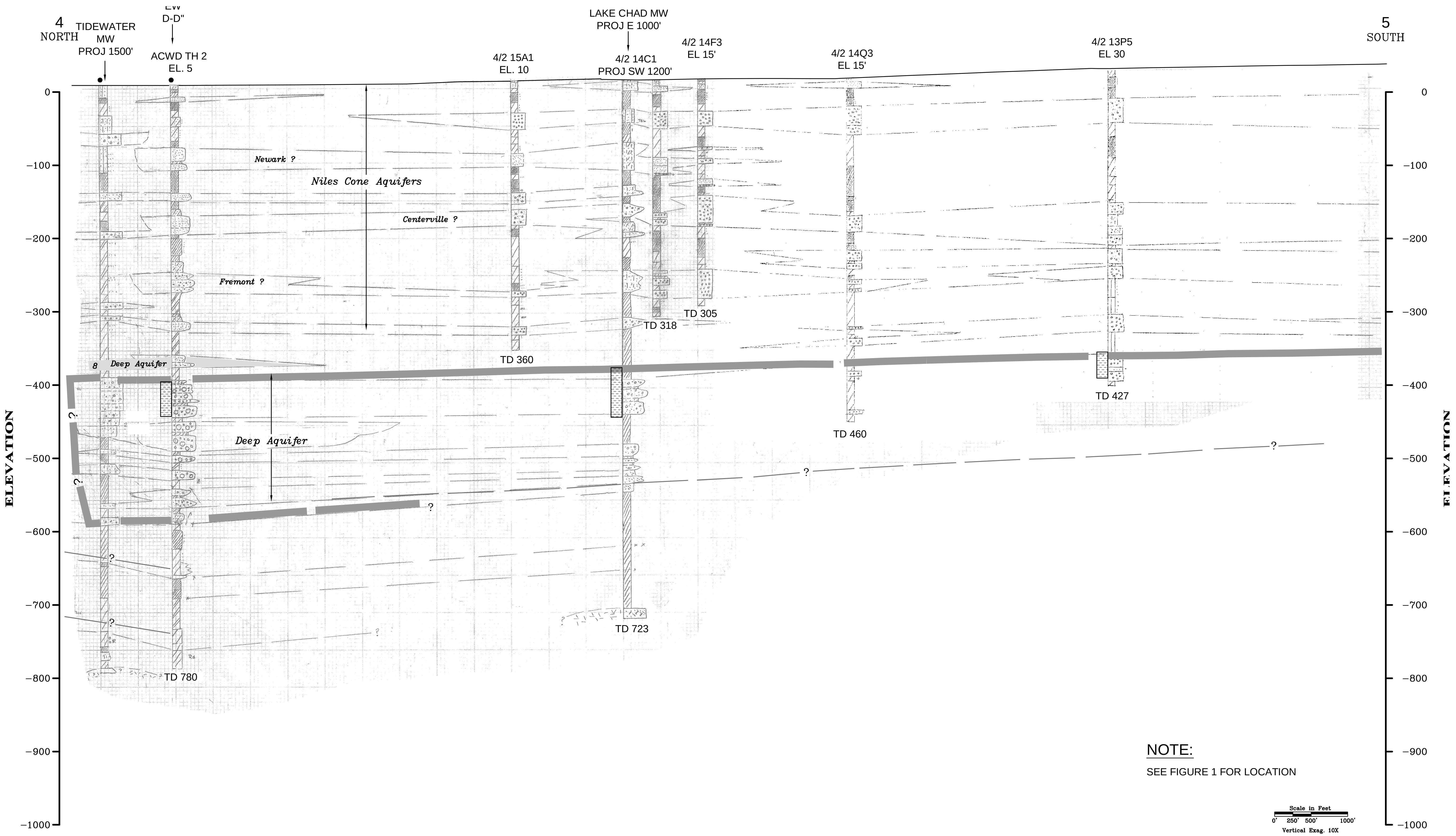
Figure 4
Geologic Cross Section North-South 3-4
East Bay Plain



NOTE:

SEE FIGURE 1 FOR LOCATION

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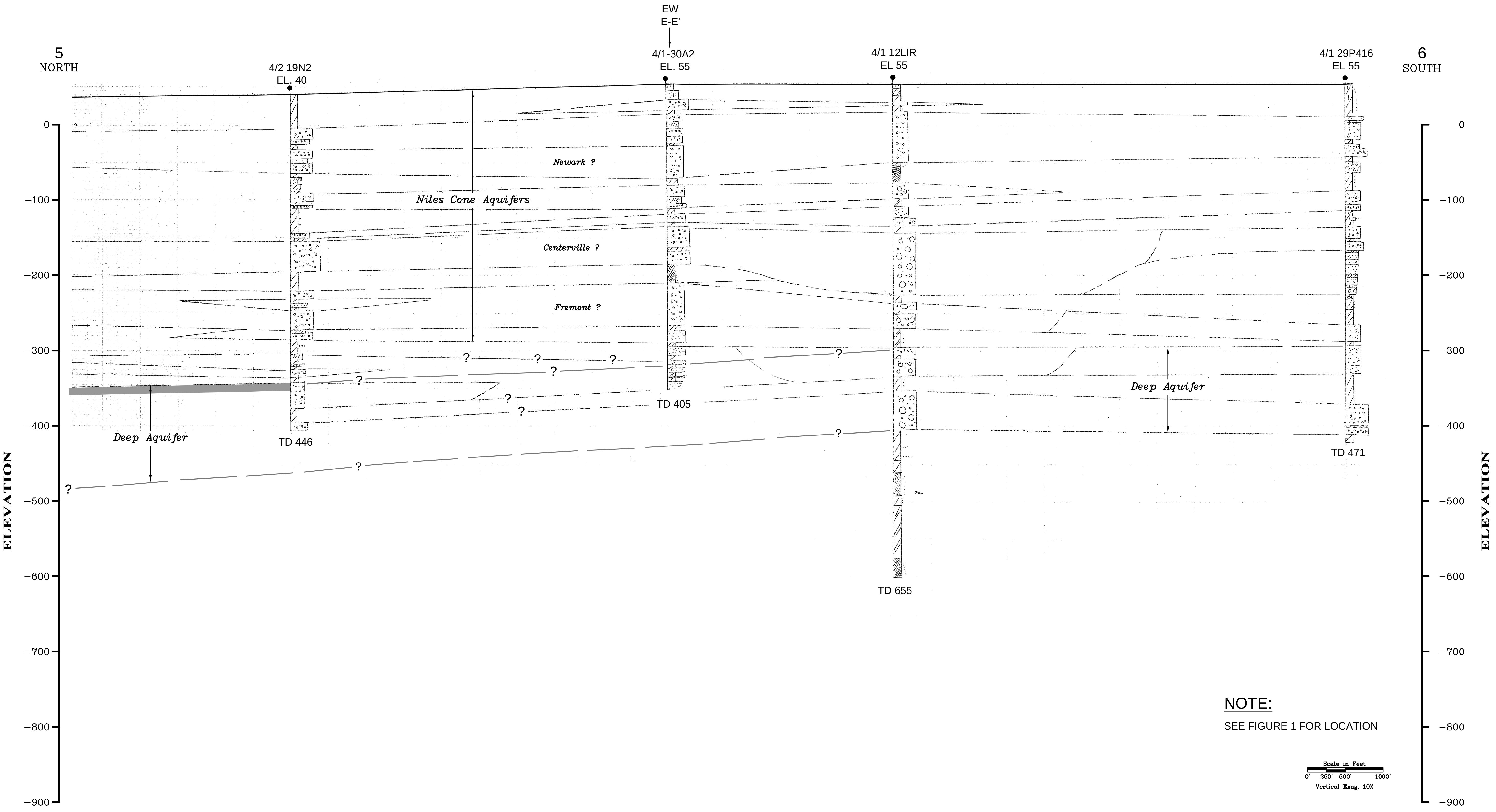
Figure 5
Geologic Cross Section North-South 4-5
East Bay Plain



NOTE:

SEE FIGURE 1 FOR LOCATION

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Figure 6
Geologic Cross Section North-South 5-6
East Bay Plain

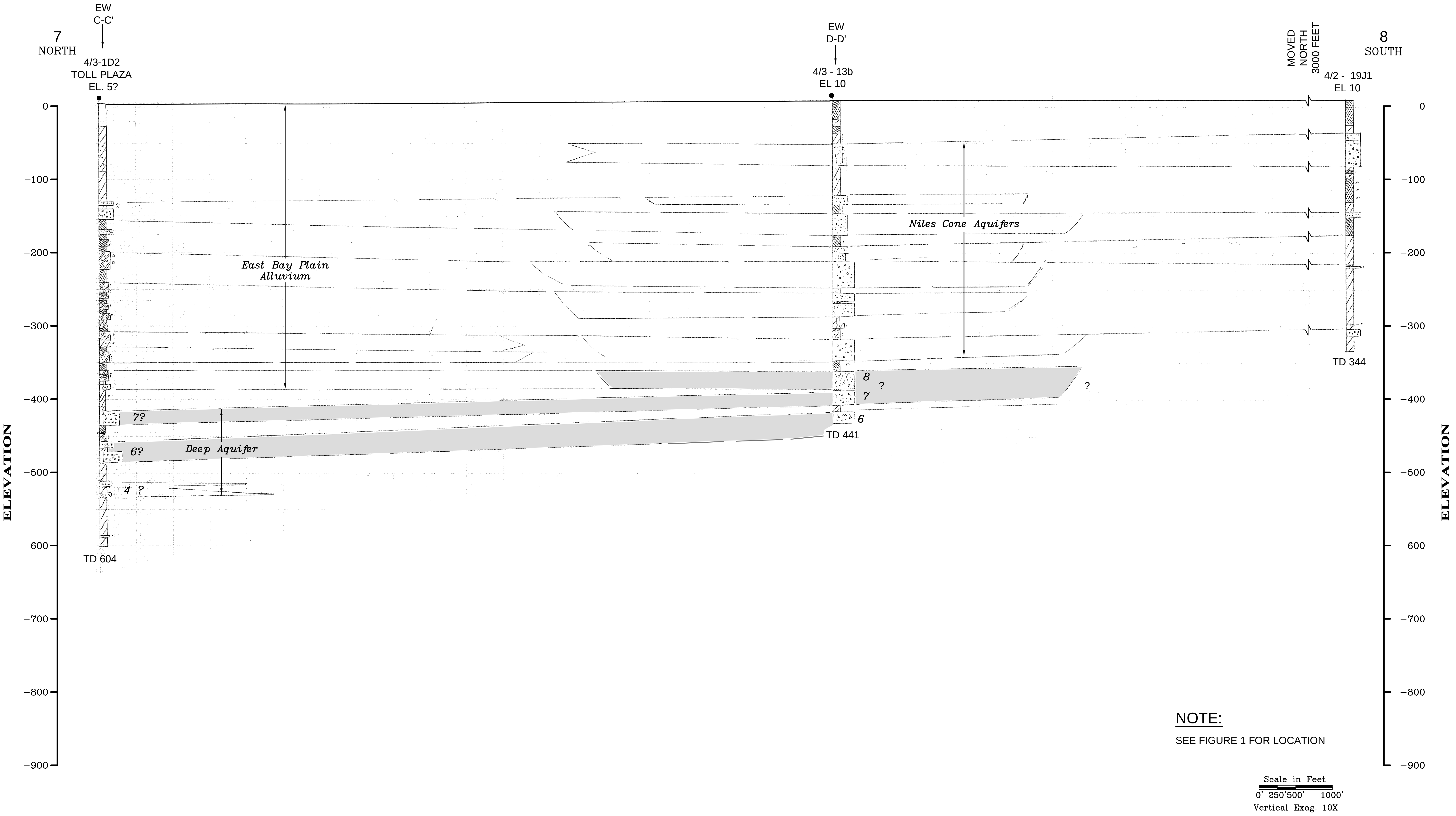

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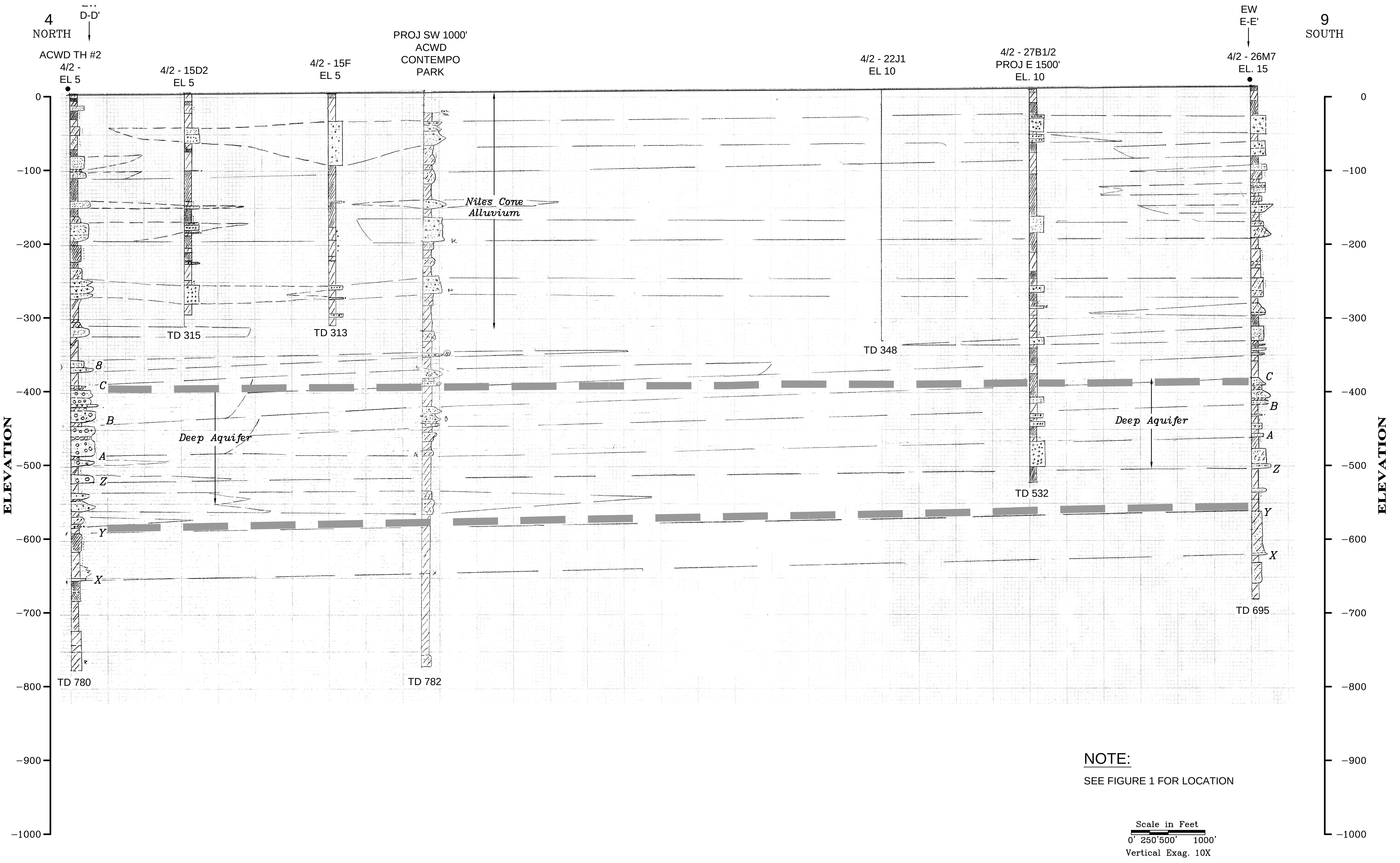
Figure 7
Geologic Cross Section North-South 7-8
East Bay Plain



NOTE:

SEE FIGURE 1 FOR LOCATION

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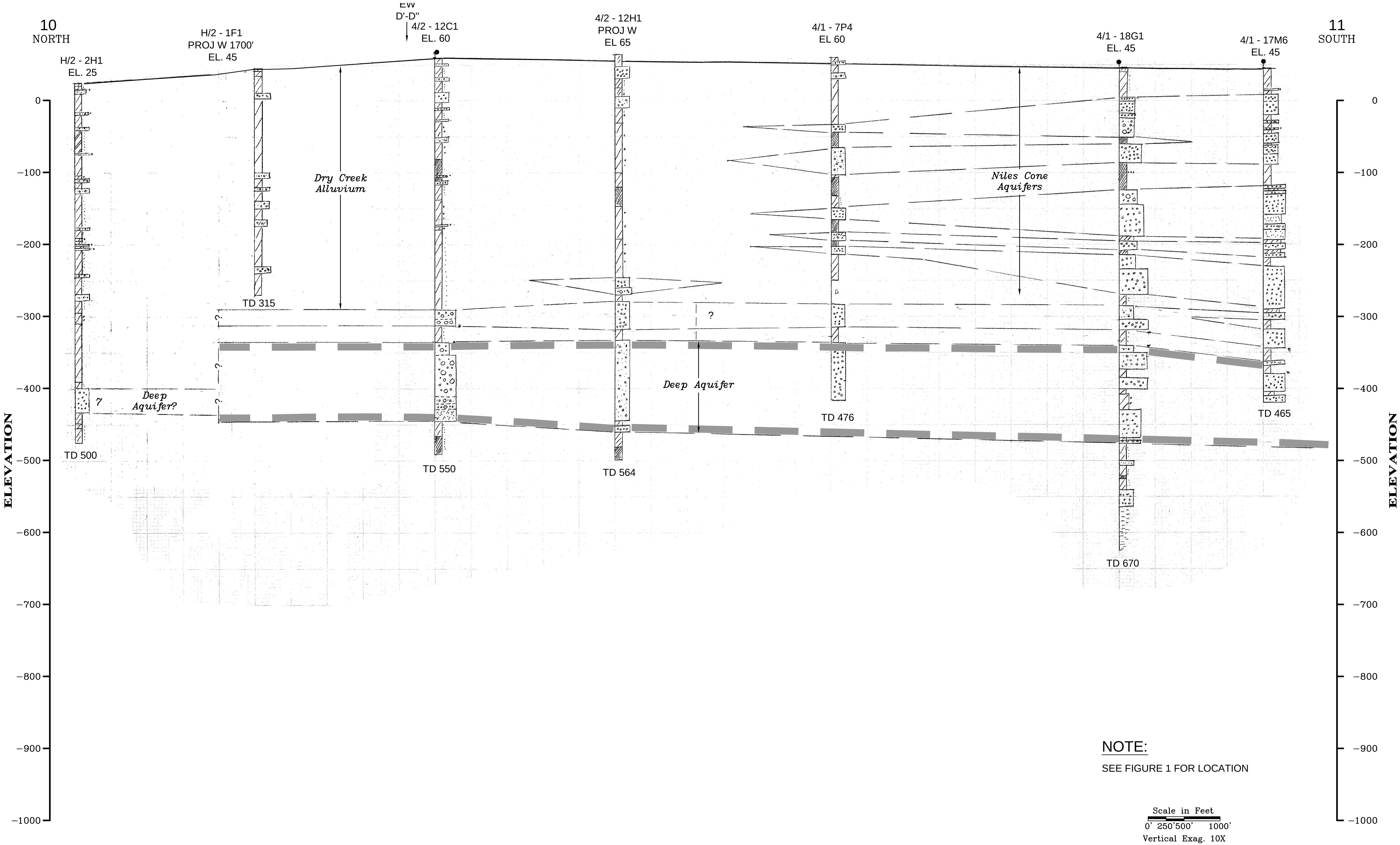
Figure 8
Geologic Cross Section North-South 4-9
East Bay Plain



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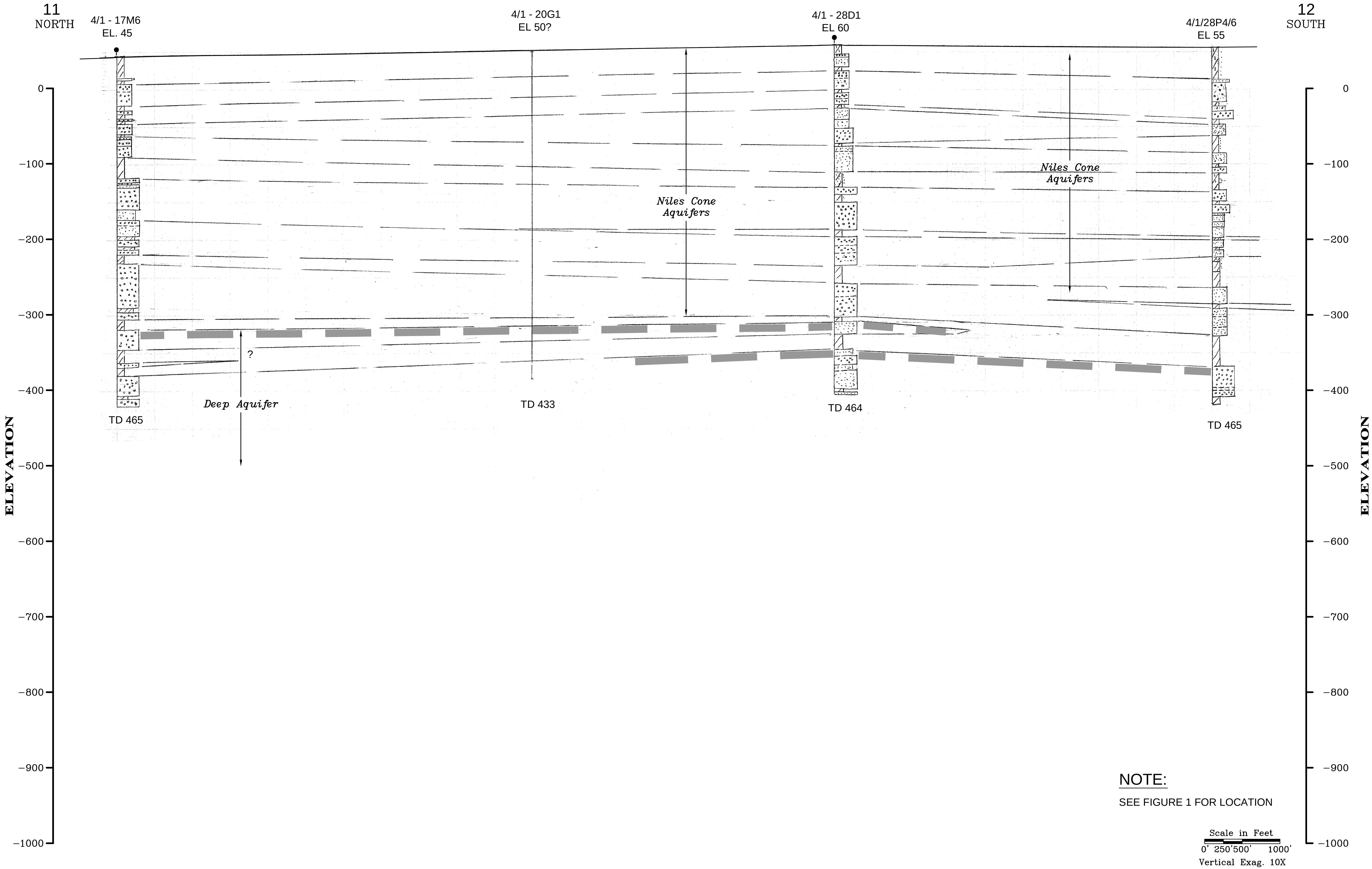
LUHDORFF & SCALMANINI
CONSULTING ENGINEERS

Figure 9
Geologic Cross Section North-South 10-11
East Bay Plain



NOTE:

SEE FIGURE 1 FOR LOCATION

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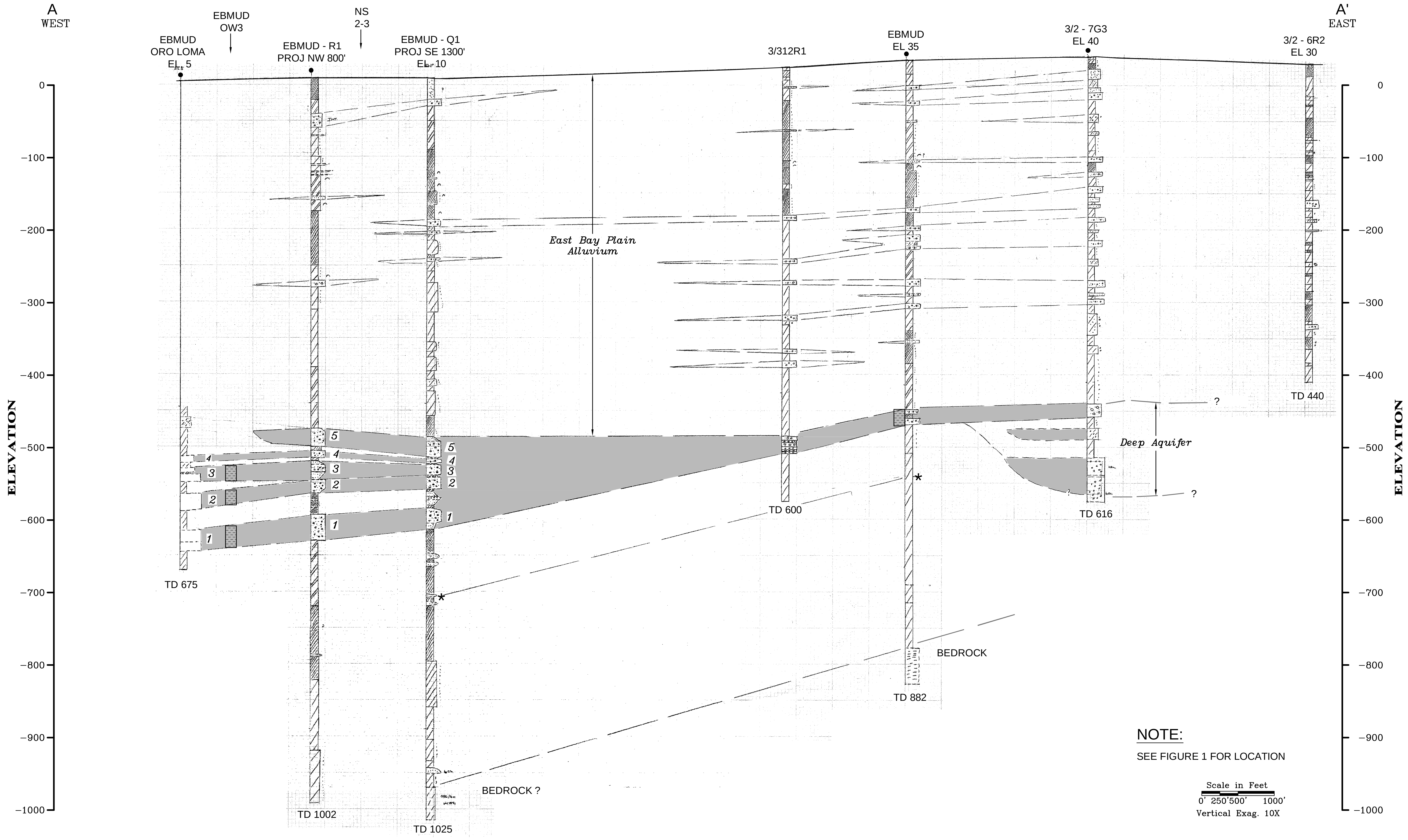
Figure 10
Geologic Cross Section North-South 11-12
East Bay Plain



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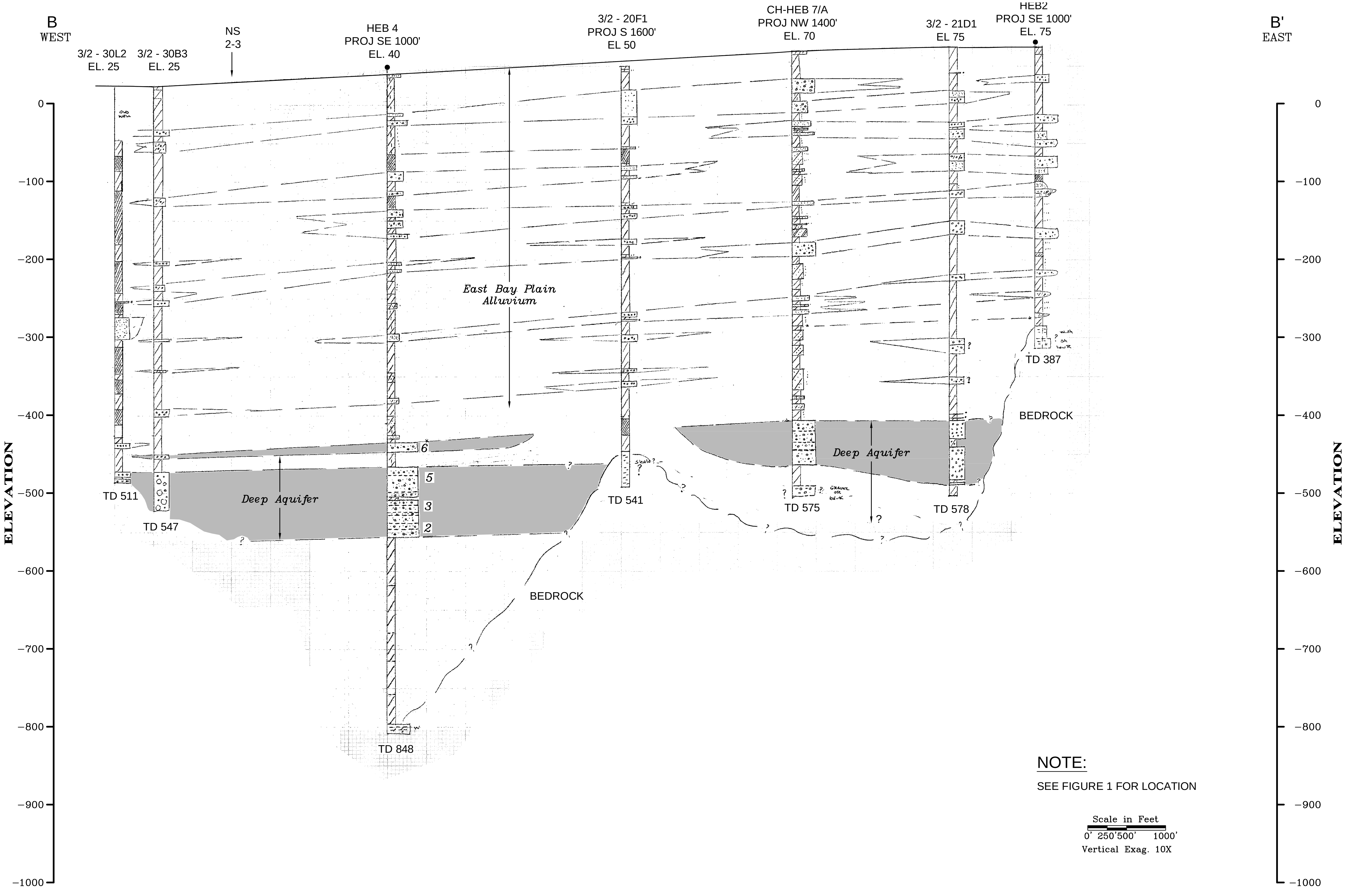
CONSULTING ENGINEERS

Figure 11
Geologic Cross Section East-West A-A'
East Bay Plain



NOTE:

SEE FIGURE 1 FOR LOCATION

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Figure 12
Geologic Cross Section East-West B-B'
East Bay Plain

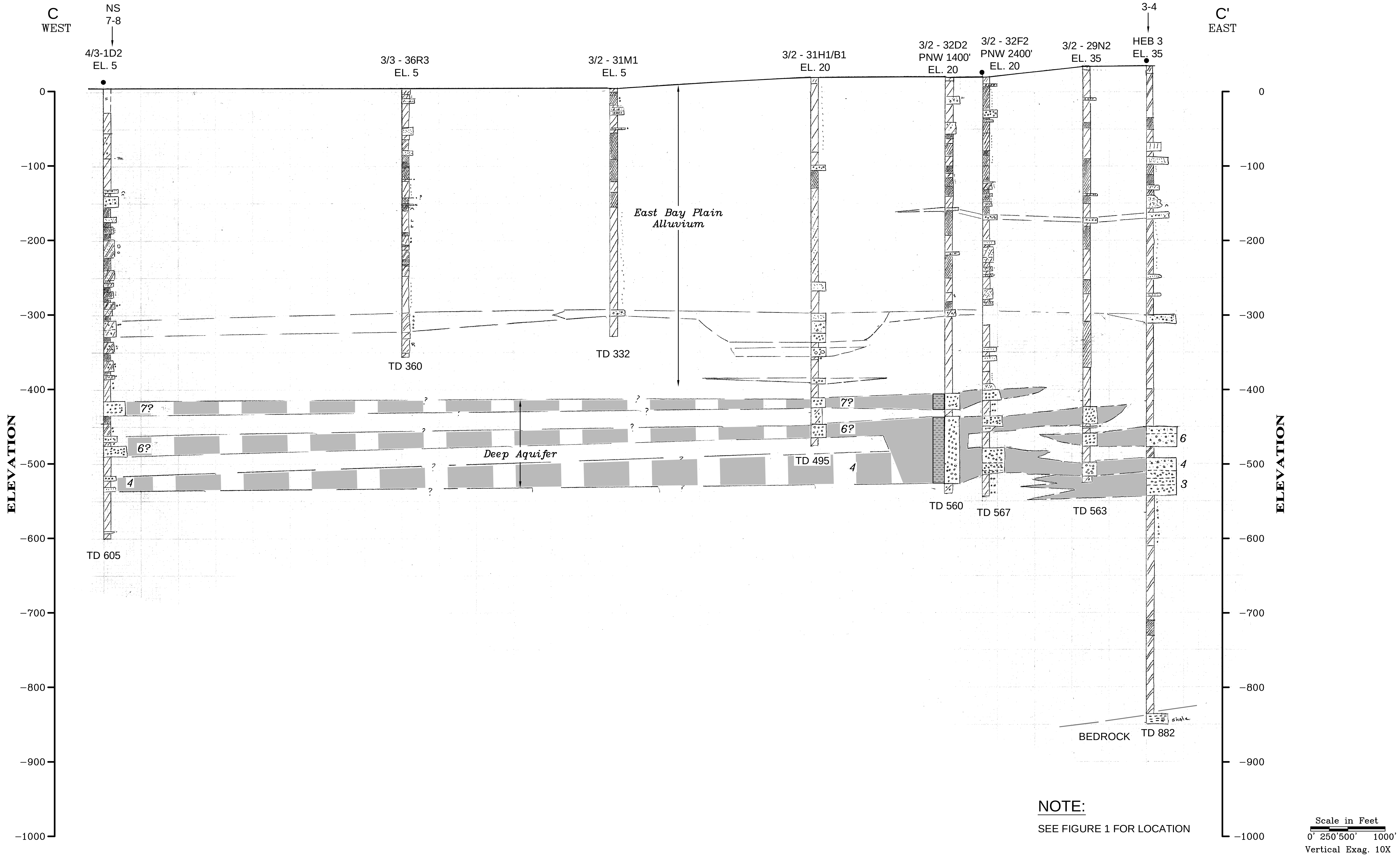

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Figure 13
Geologic Cross Section East-West C-C'
East Bay Plain

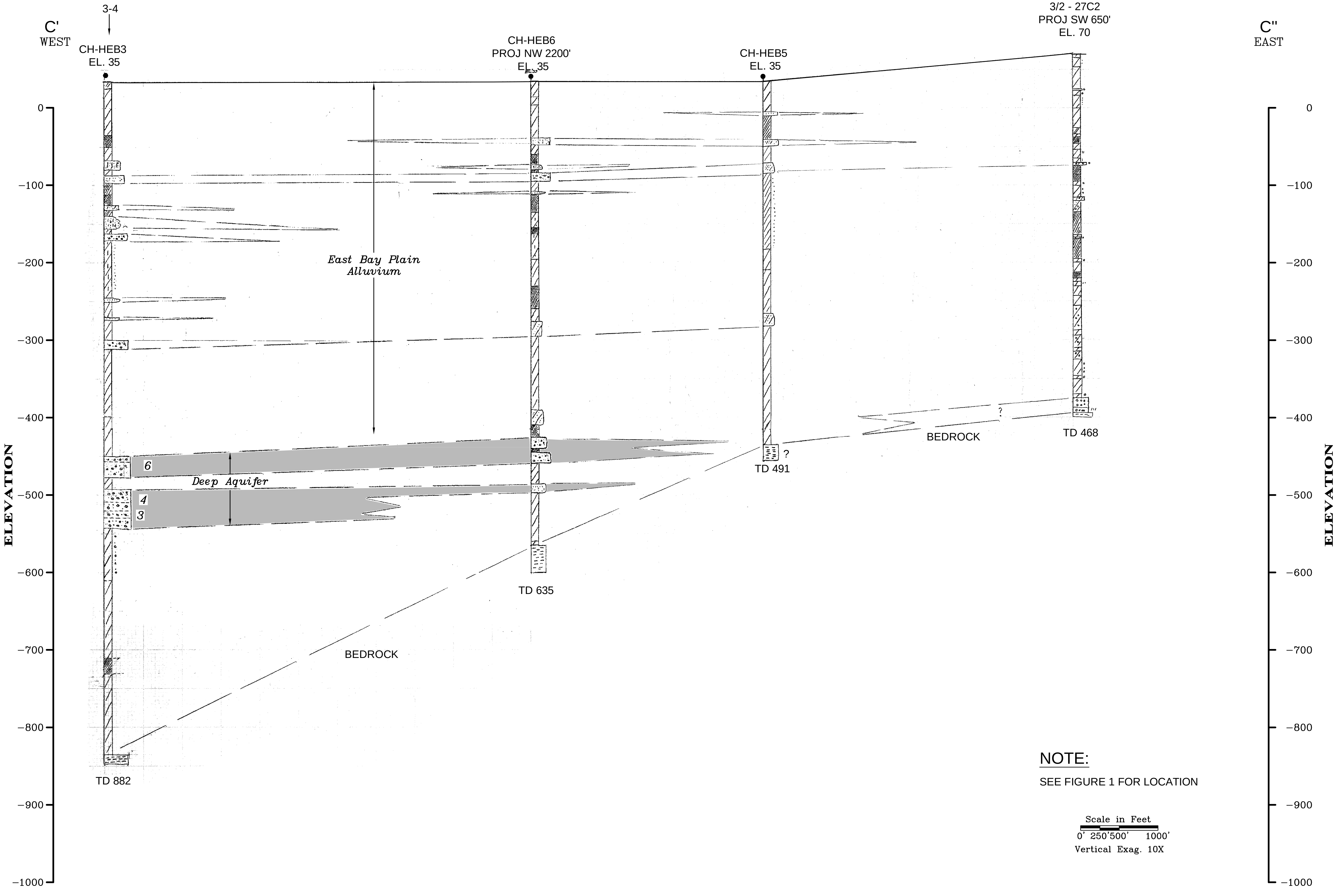

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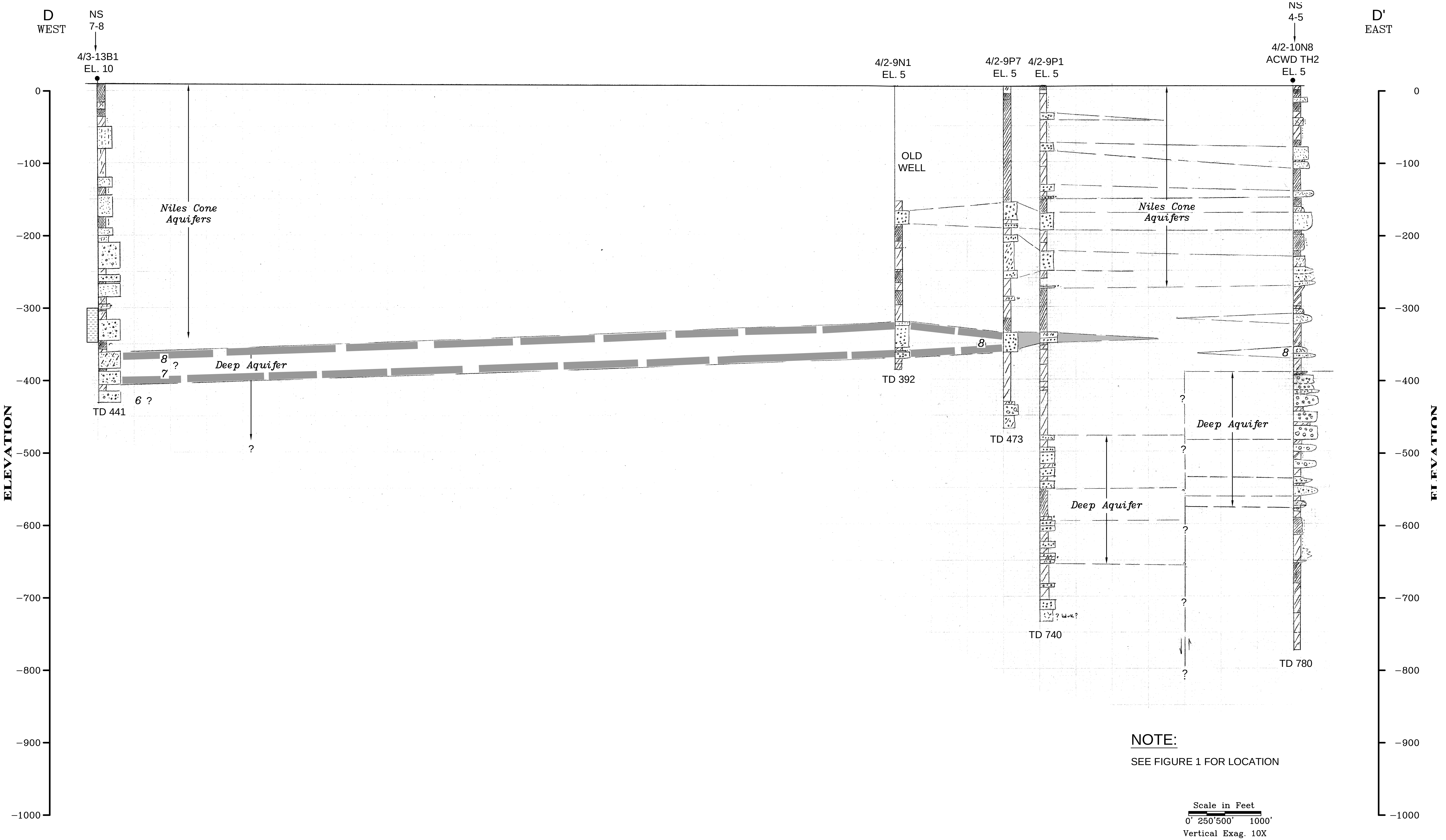
Figure 14
Geologic Cross Section East-West C'-C''
East Bay Plain



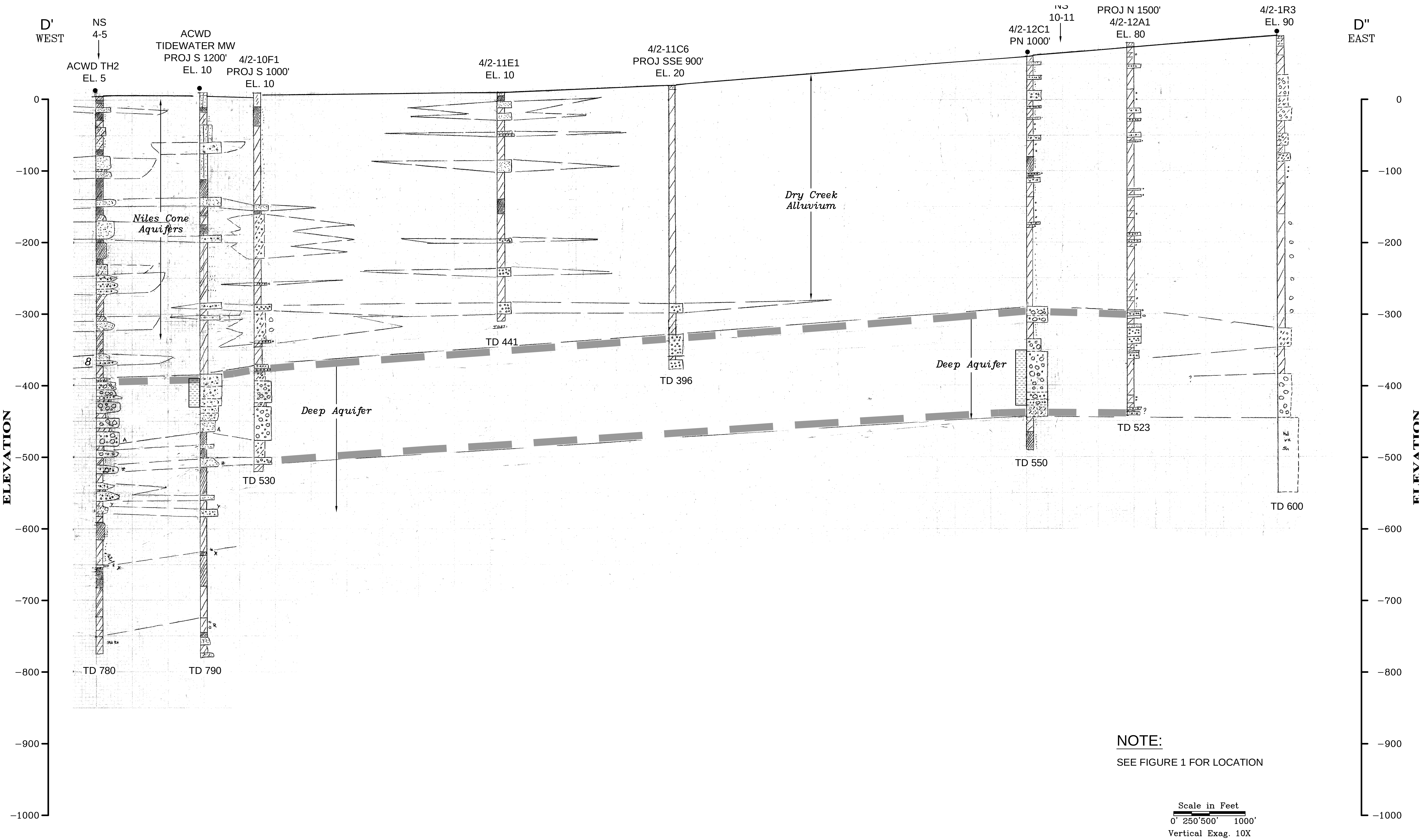
NOTE:

SEE FIGURE 1 FOR LOCATION

CAD FILE: G:/Projects/Alameda County Water District/01-1-080/ImagesR/xsection D-D'.dwg CFG FILE: LSCE2500.PCP_MRG DATE: 10-14-02 10:21am

LUHDORFF & SCALMANINI
CONSULTING ENGINEERS

Figure 15
Geologic Cross Section East-West D-D'
East Bay Plain



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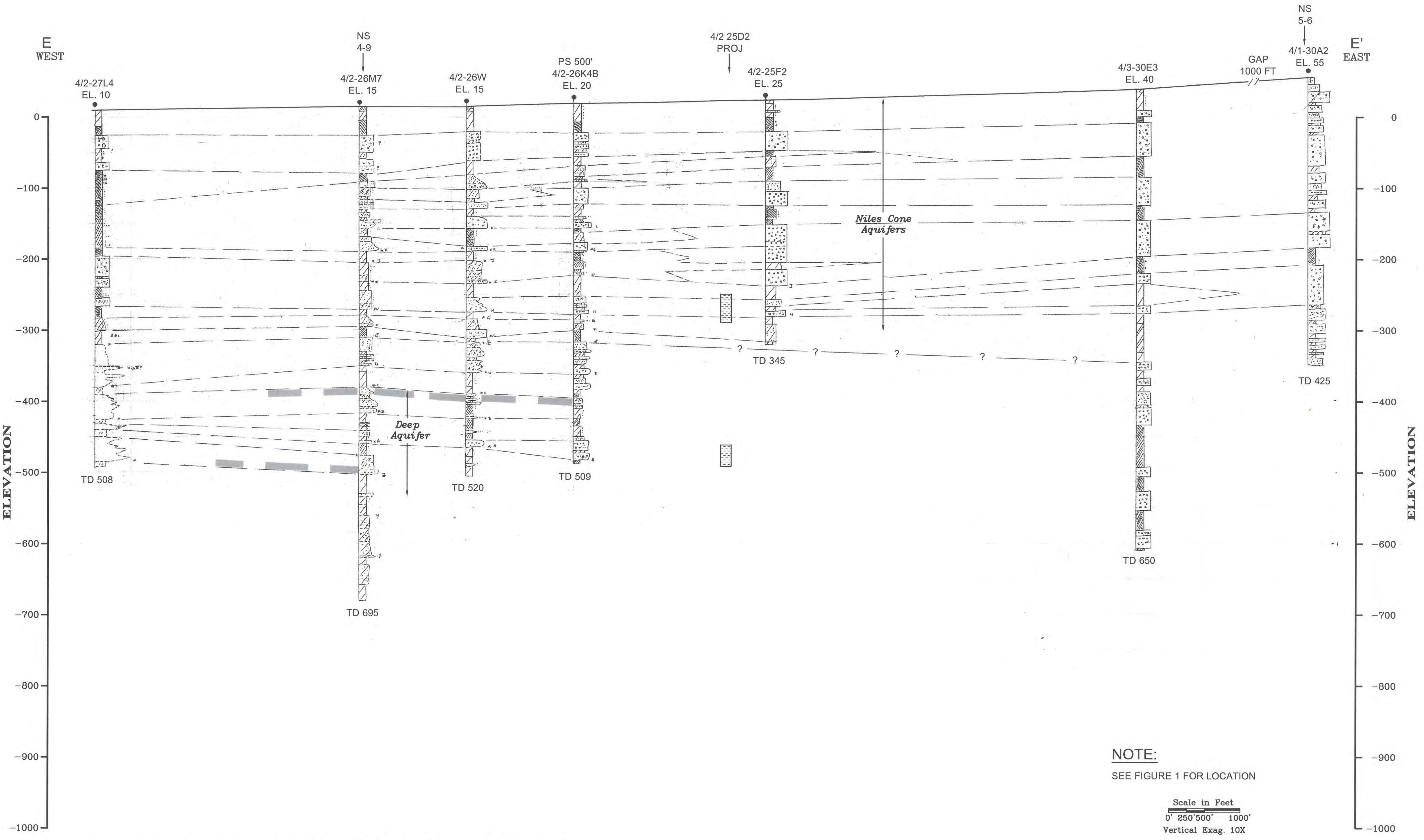
LUHDORFF & SCALMANINI
CONSULTING ENGINEERS

Figure 16
Geologic Cross Section East-West D'-D''
East Bay Plain



NOTE:

SEE FIGURE 1 FOR LOCATION

CAD FILE: G:/Projects/Alameda County Water District/01-1-080/ImagesR/xsection E-E'.dwg CFG FILE: LSCE2500.PCP_MRG DATE: 10-14-02 10:39am

LUHDORFF & SCALMANINI
CONSULTING ENGINEERS

Figure 17
Geologic Cross Section East-West E-E'
East Bay Plain

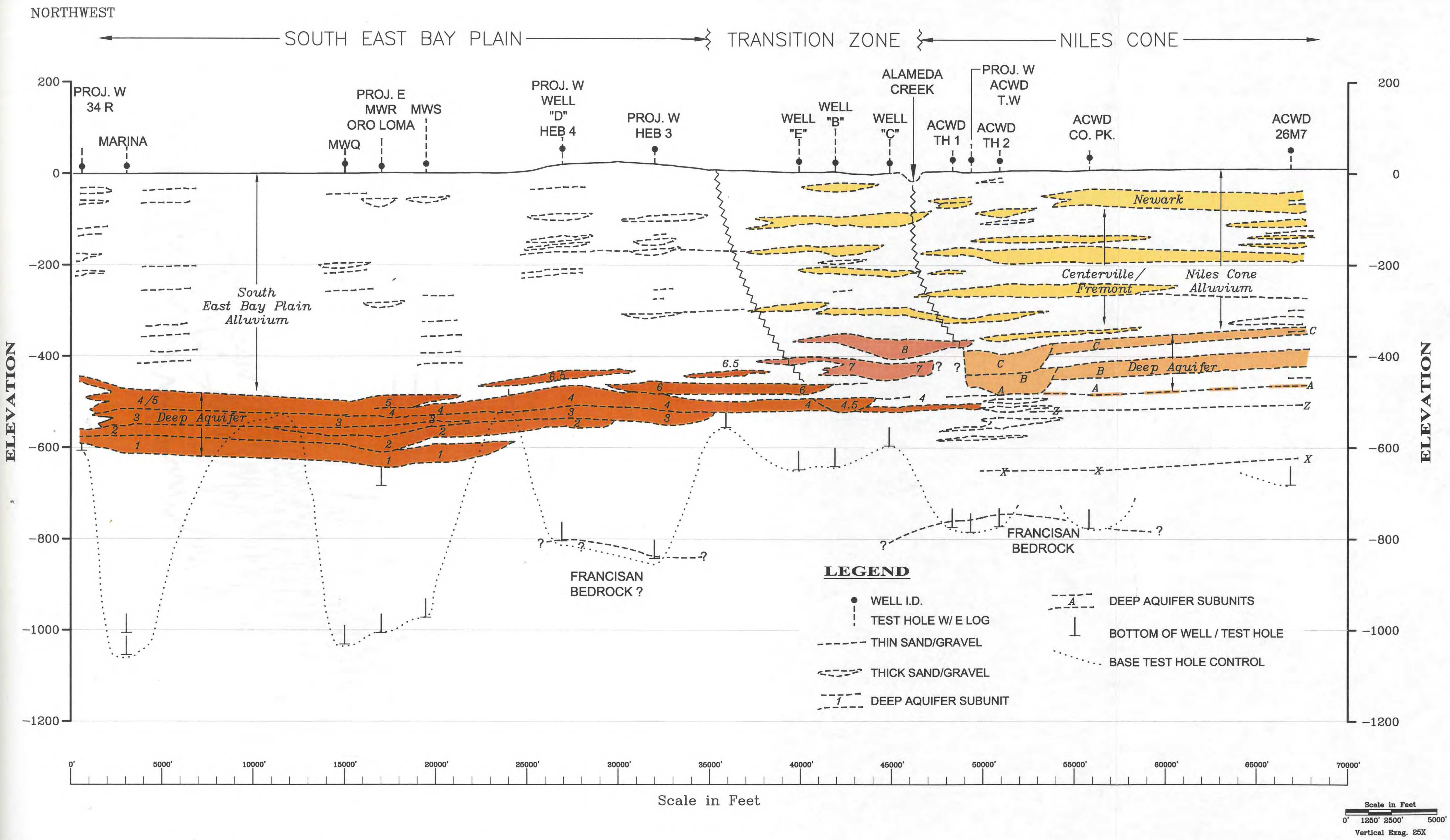


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Figure 18
Generalized Geologic Cross Section of SEBP-NCGWB
East Bay Plain

Section D-3

Cross-Sections from CH2M Hill (2001)

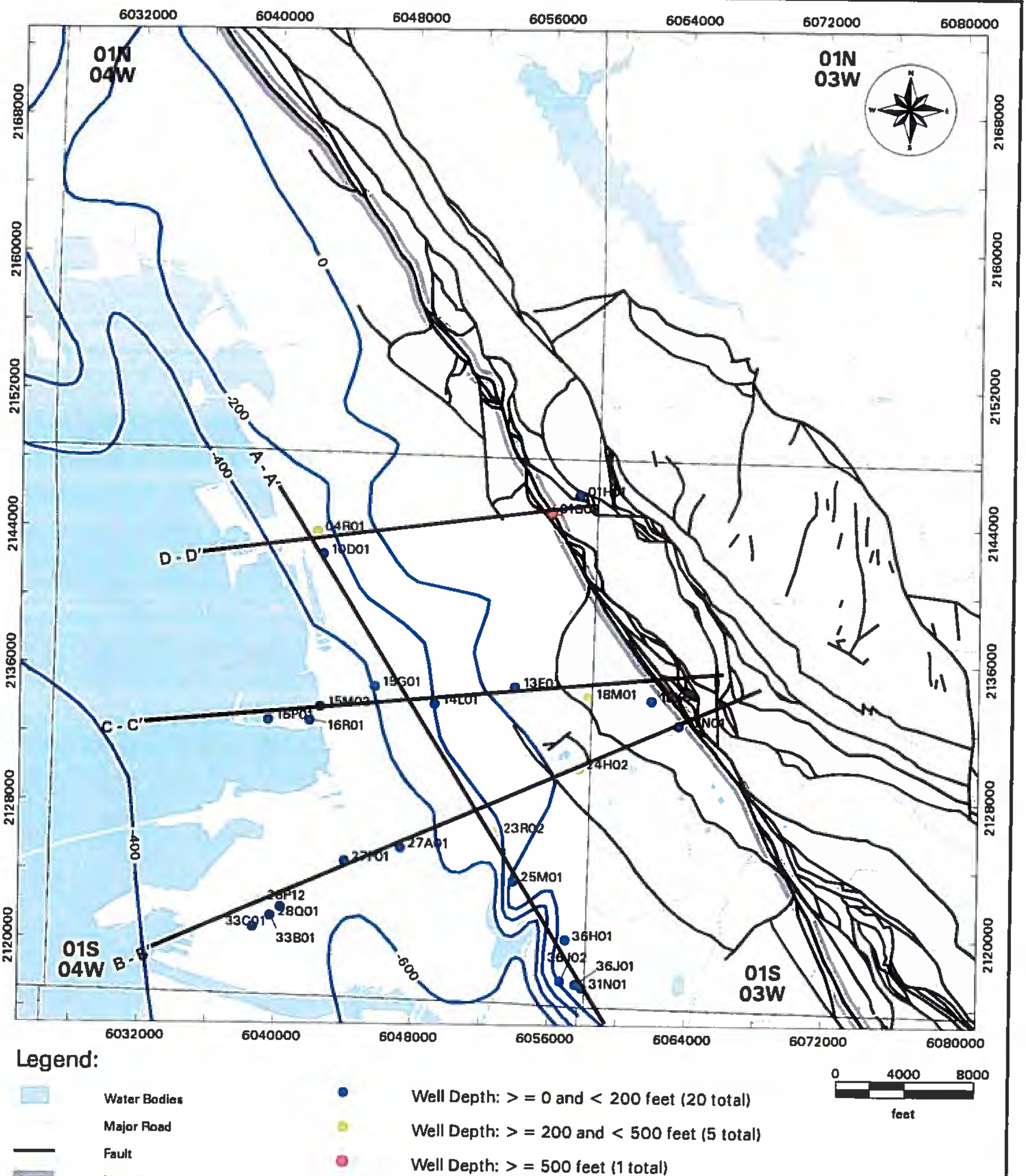


Figure 6-4

Cross Section Locations
Berkeley Study Area

EBMUD Regional Hydrogeologic Investigation

berkeley-xsec.gra CABERNET://154602/amls/xsec-wells.aml 11/21/00.09:18:55.Tue

CH2MHILL

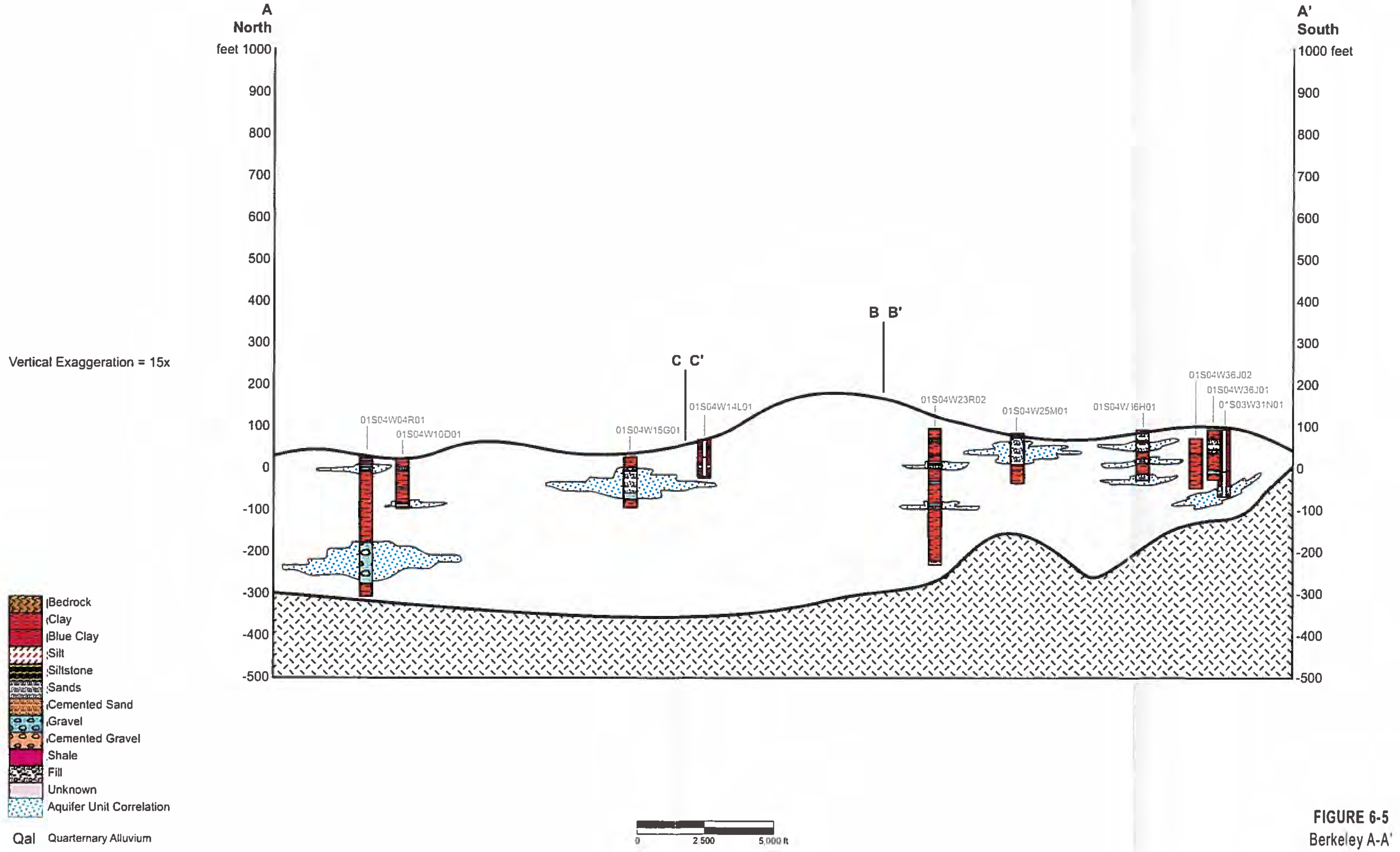


FIGURE 6-5
Berkeley A-A'

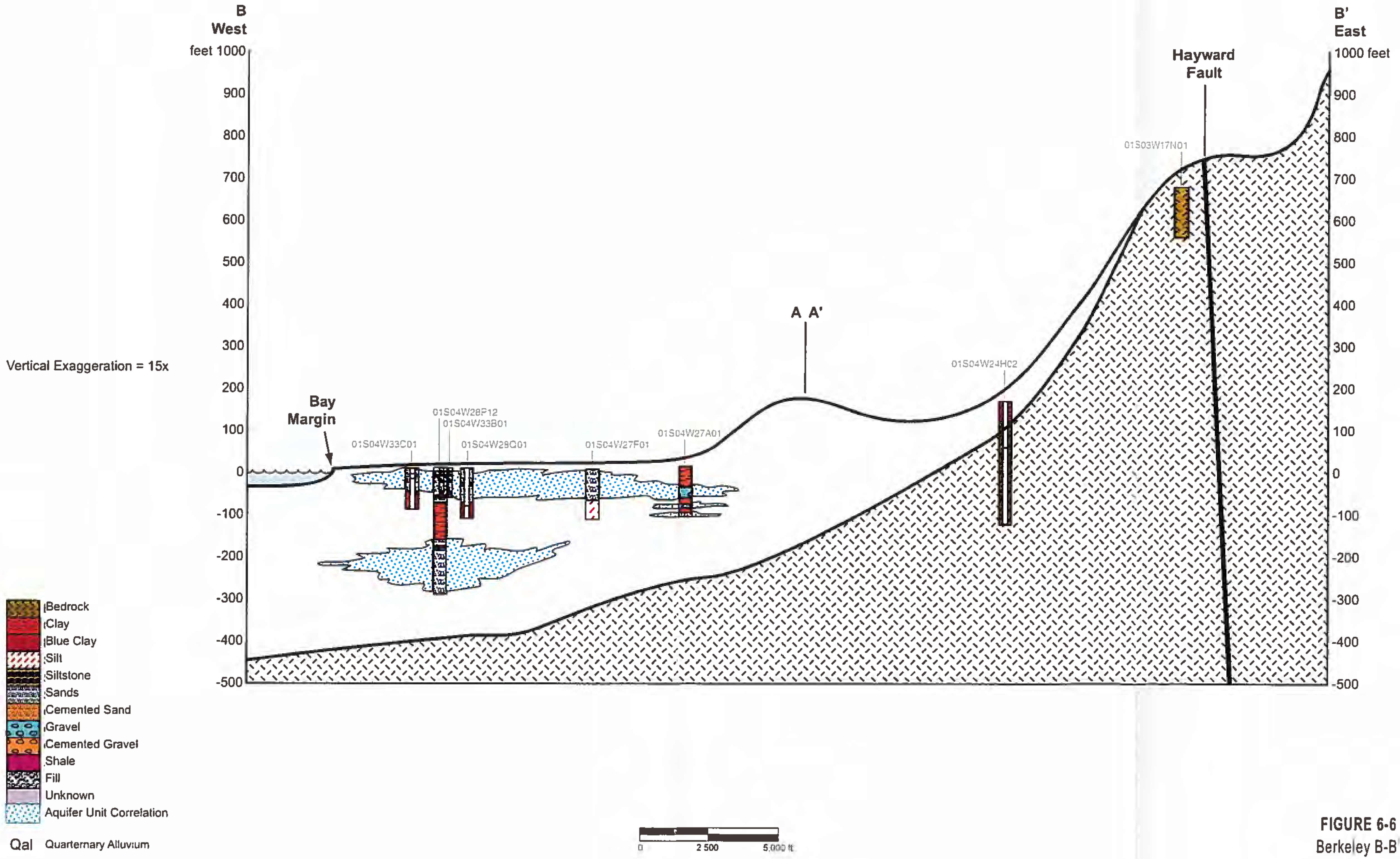


FIGURE 6-6
Berkeley B-B'

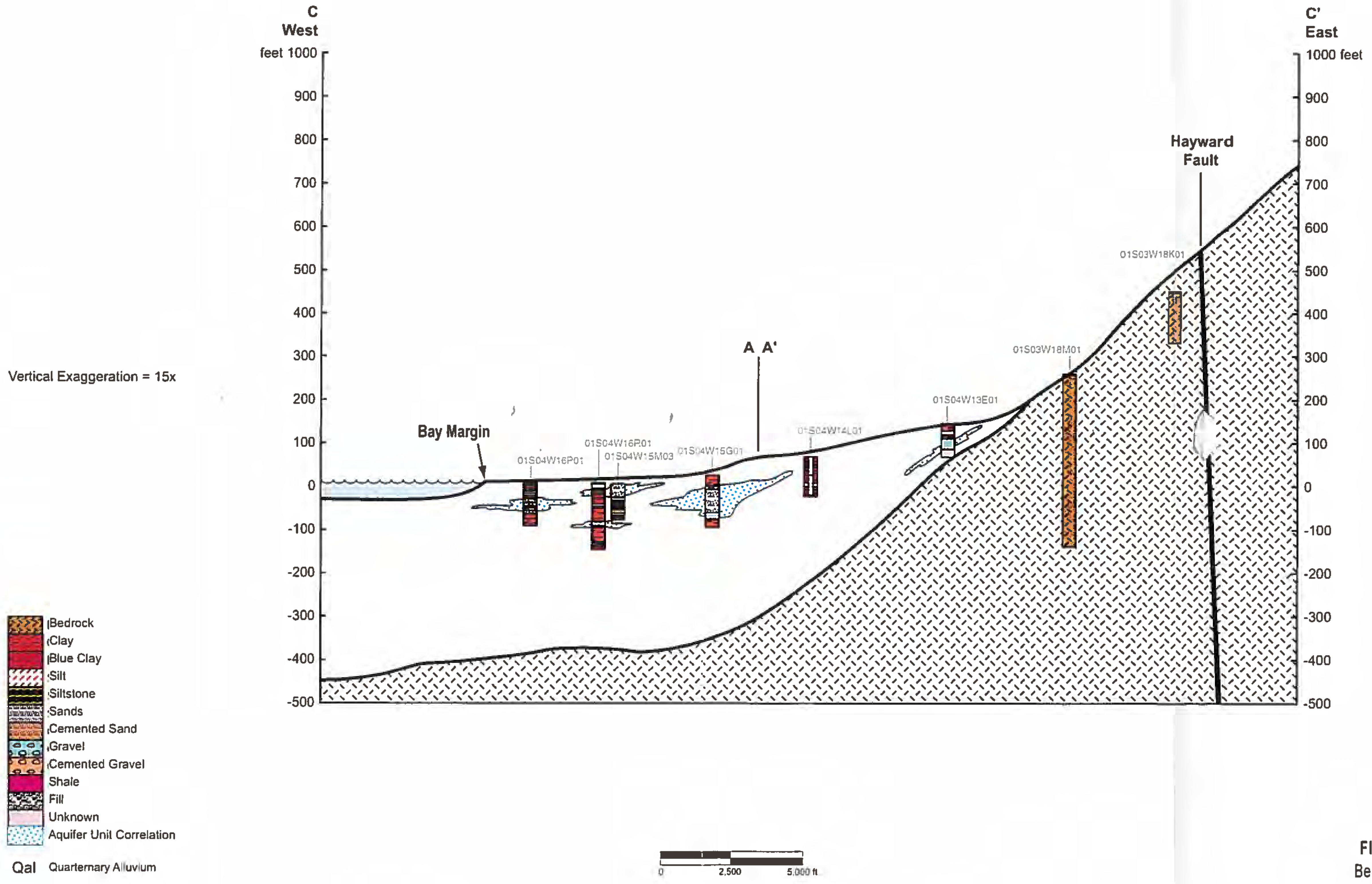


FIGURE 6-7
Berkeley C-C'

154602 30 ZZ Berkeley_C fh8 ccc 11/14/00

CH2MHILL

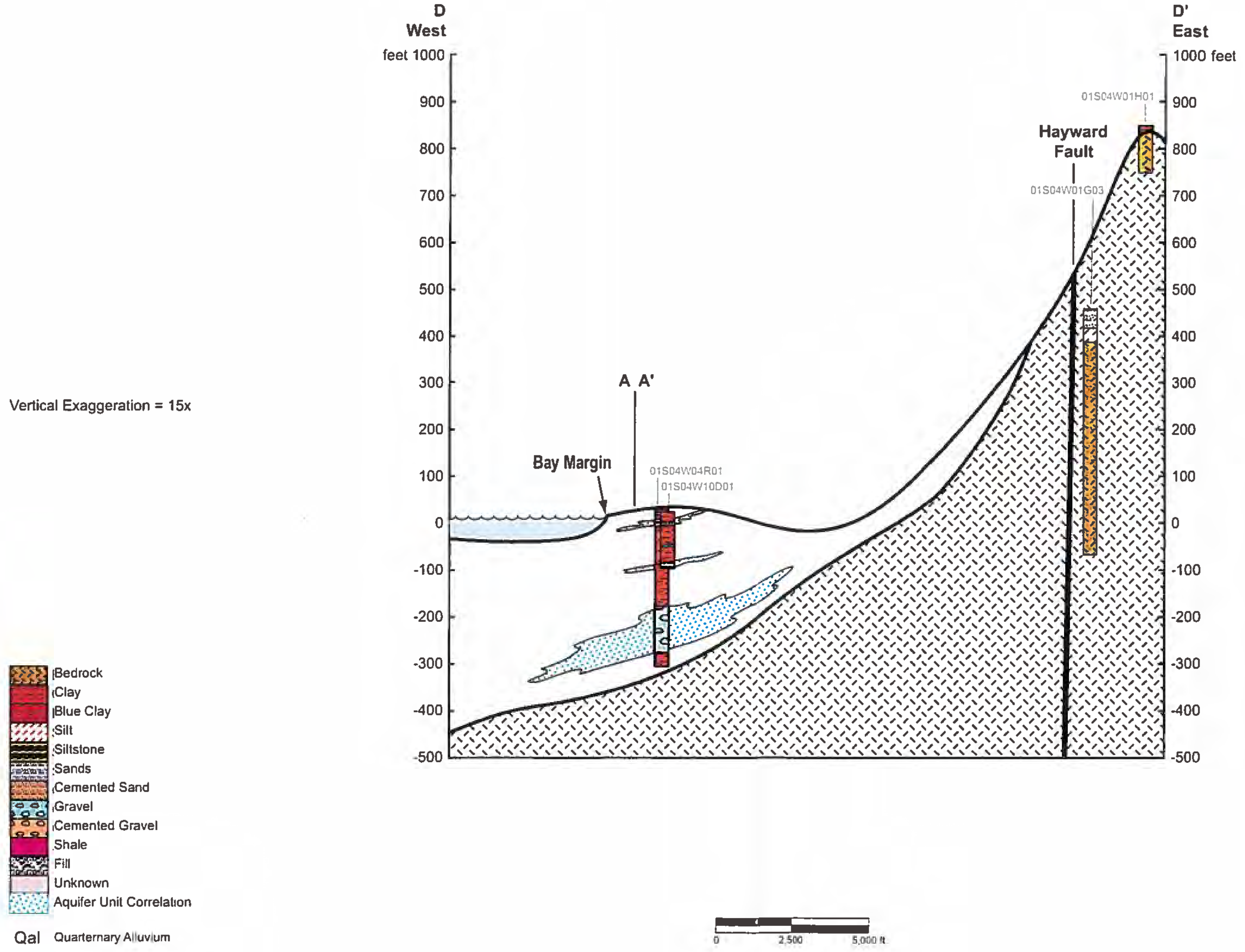


FIGURE 6-8
Berkeley D-D'

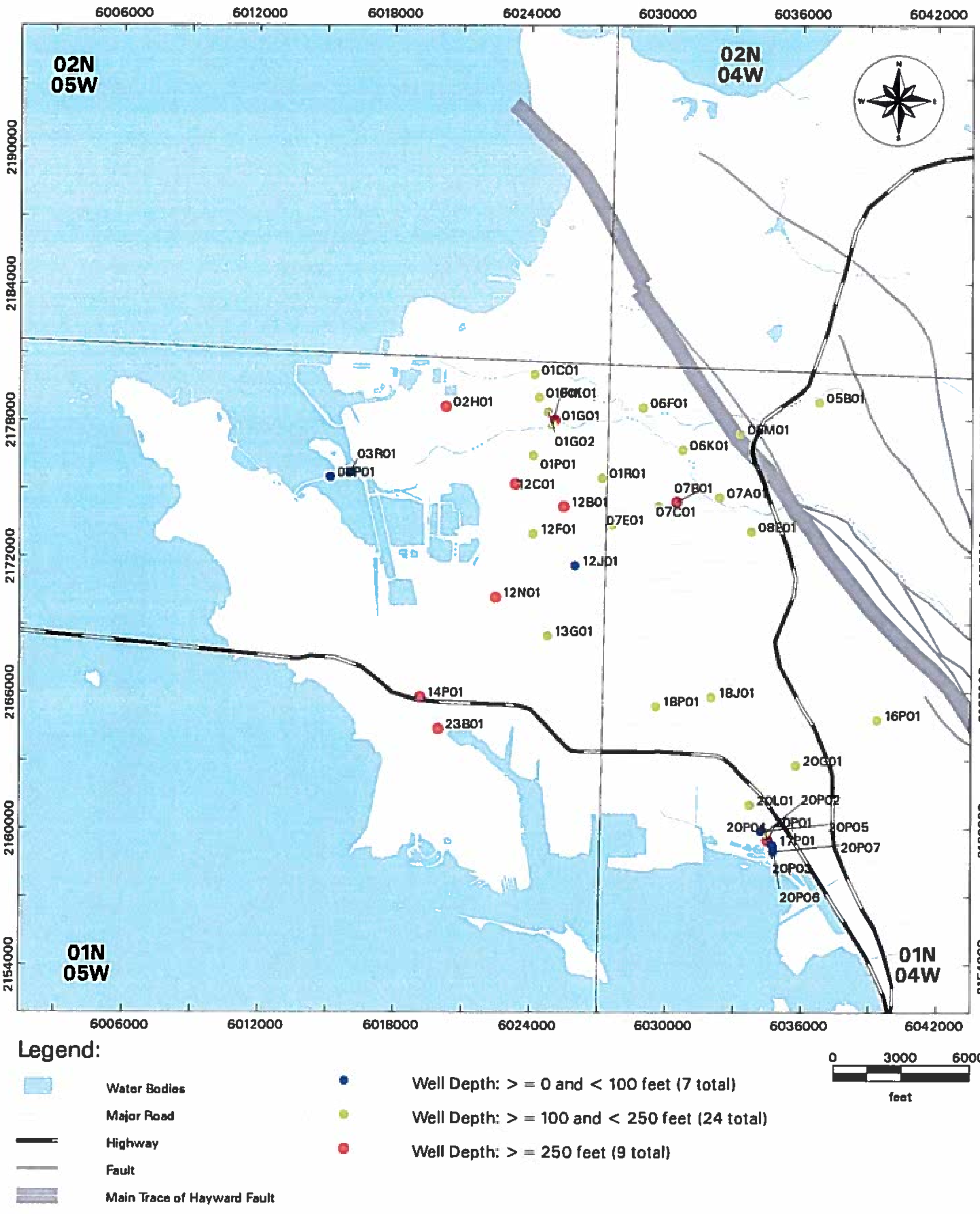


Figure 3-3
Well Locations
Richmond Basin

EBMUD Regional Hydrogeologic Investigation

CH2MHILL

rich-well-ids.gra CABERNET://154602/amls/wells.aml 11/21/00.09:37:36.Tue

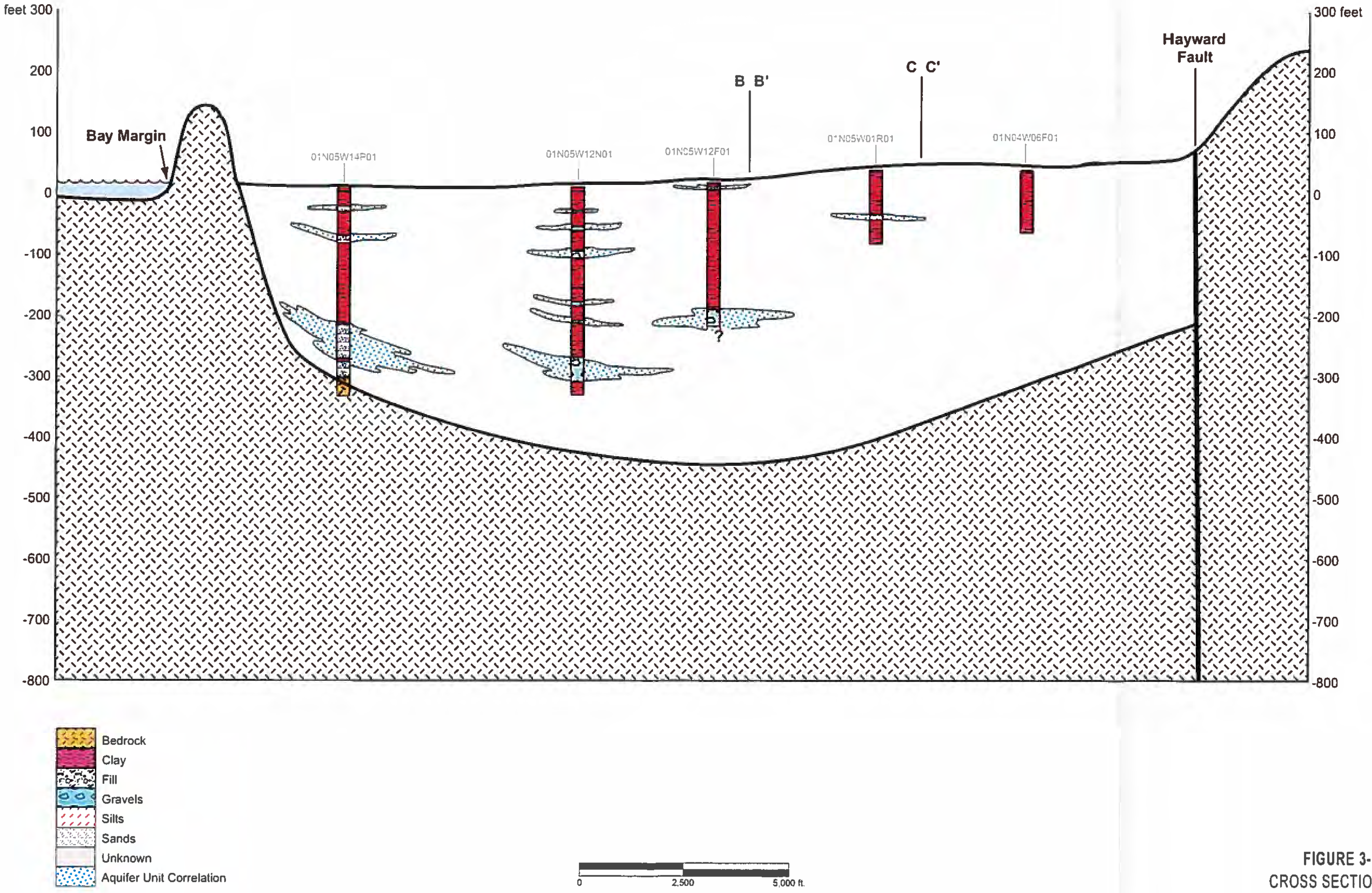


FIGURE 3-6
CROSS SECTION A-A'

154602 20 02 Richmond_A fh8 ccc 11/14/00

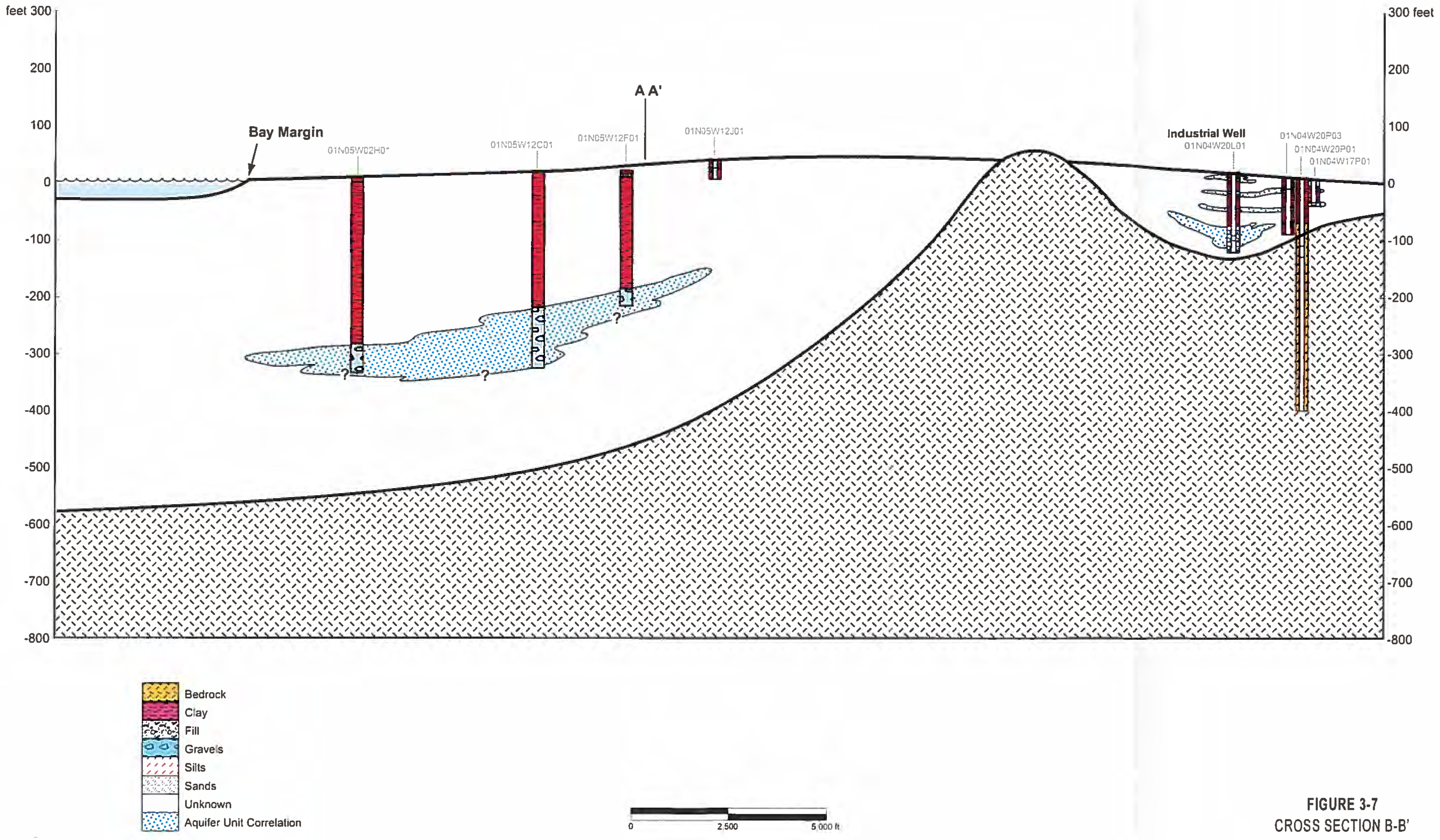


FIGURE 3-7
CROSS SECTION B-B'

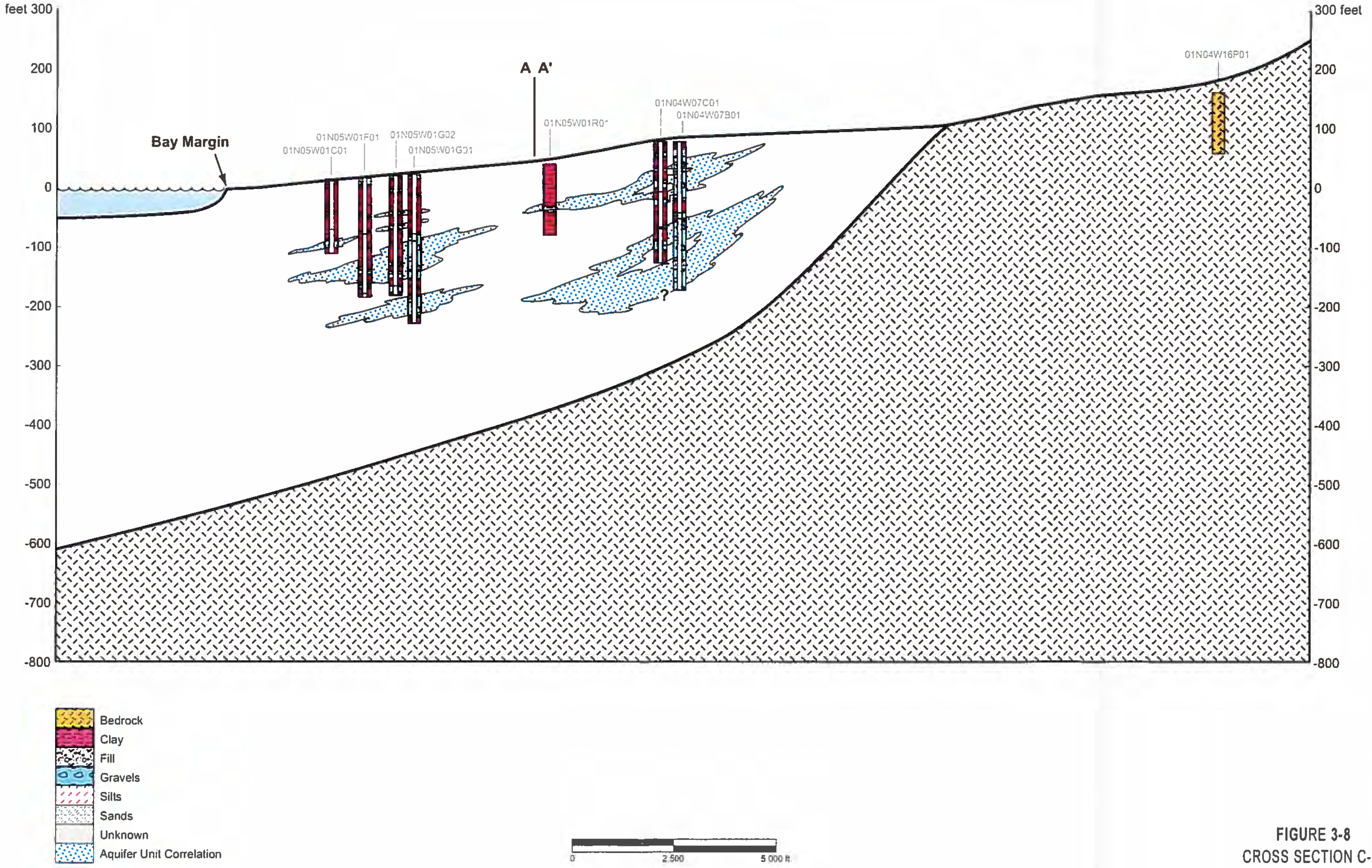


FIGURE 3-8
CROSS SECTION C-C'

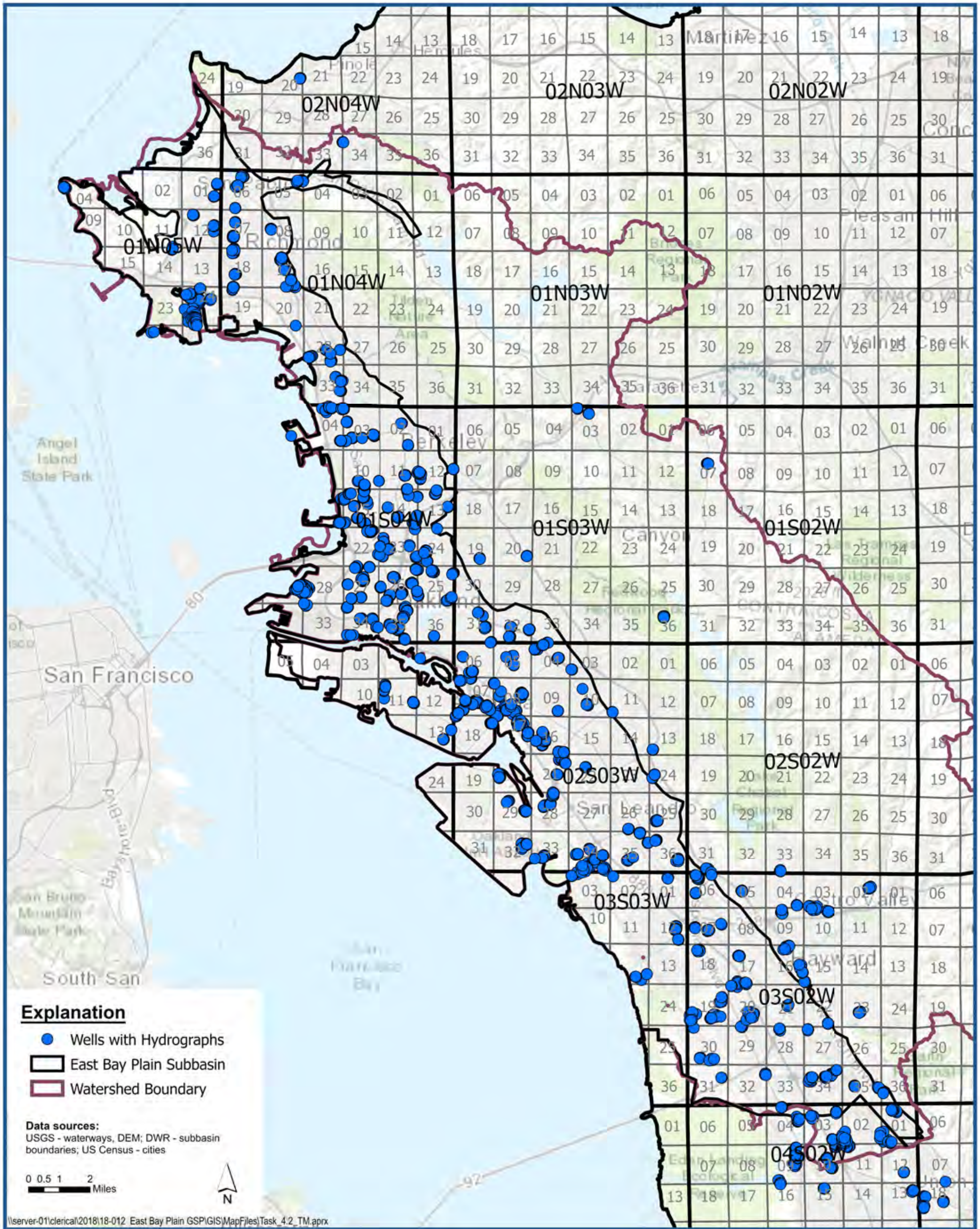
CH2MHILL

154602.20.02 Richmond_C fh8 ccc 11/14/00

APPENDIX E

Section E-1

Water Table Aquifer Zone Groundwater Hydrographs



LSCE TEAM

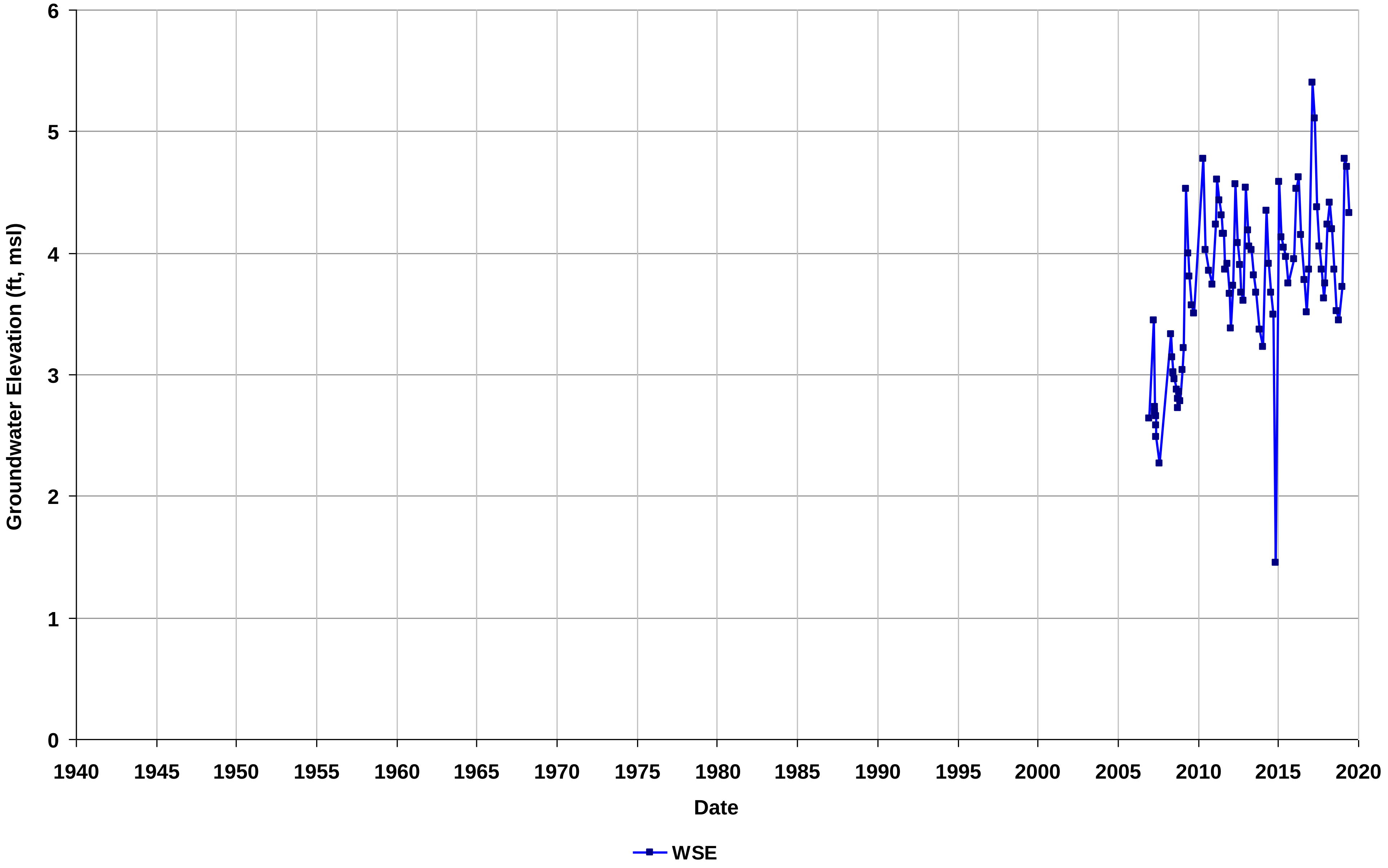
Wells with Hydrographs - Water Table Aquifer

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure E-1

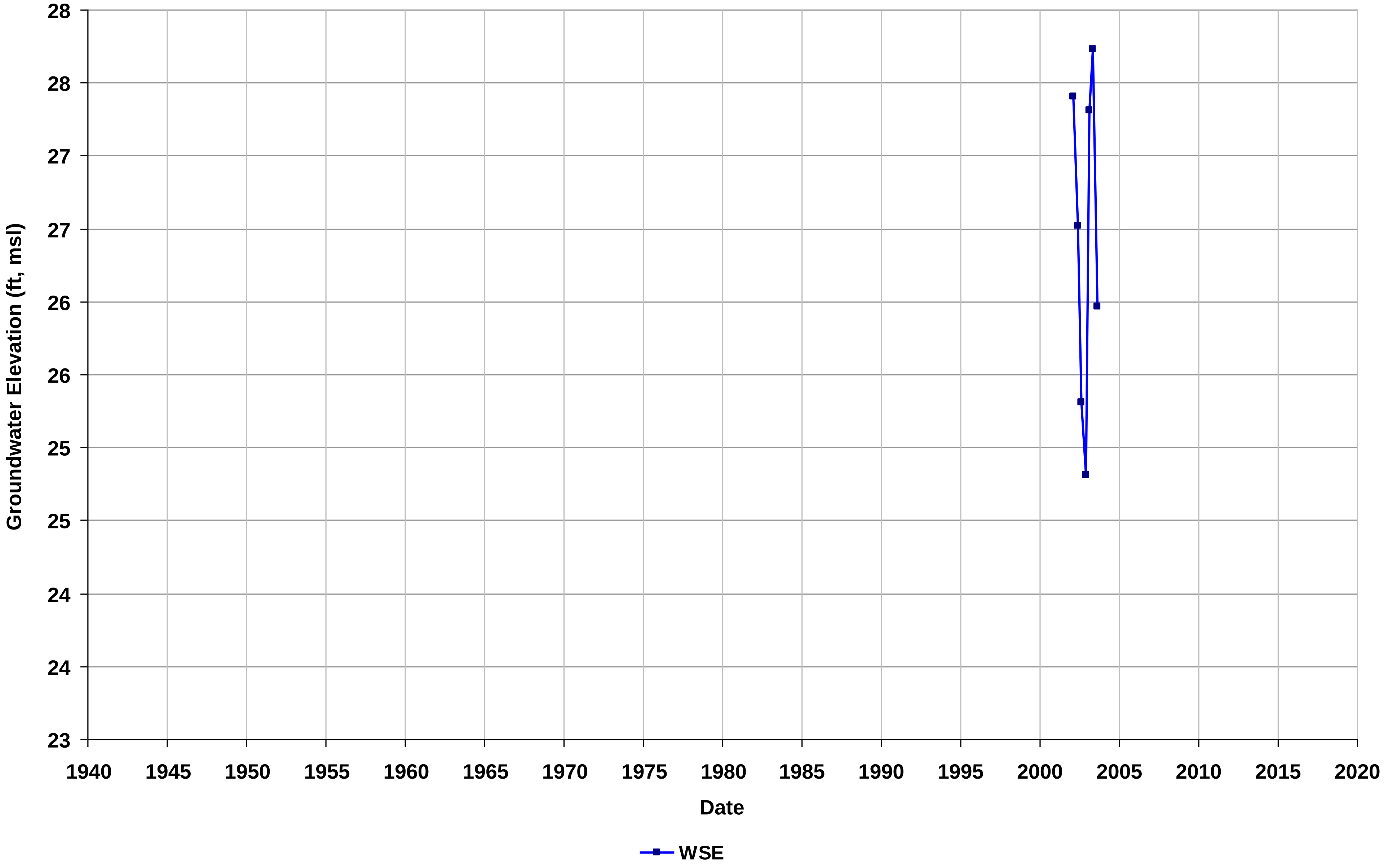
Well Name: 03S/03W-14K22
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl): 7

Total Depth (ft bgs): 45
Perf. Interval (ft bgs):
T/R/S: 03S/03W/14
Well Use: Unknown



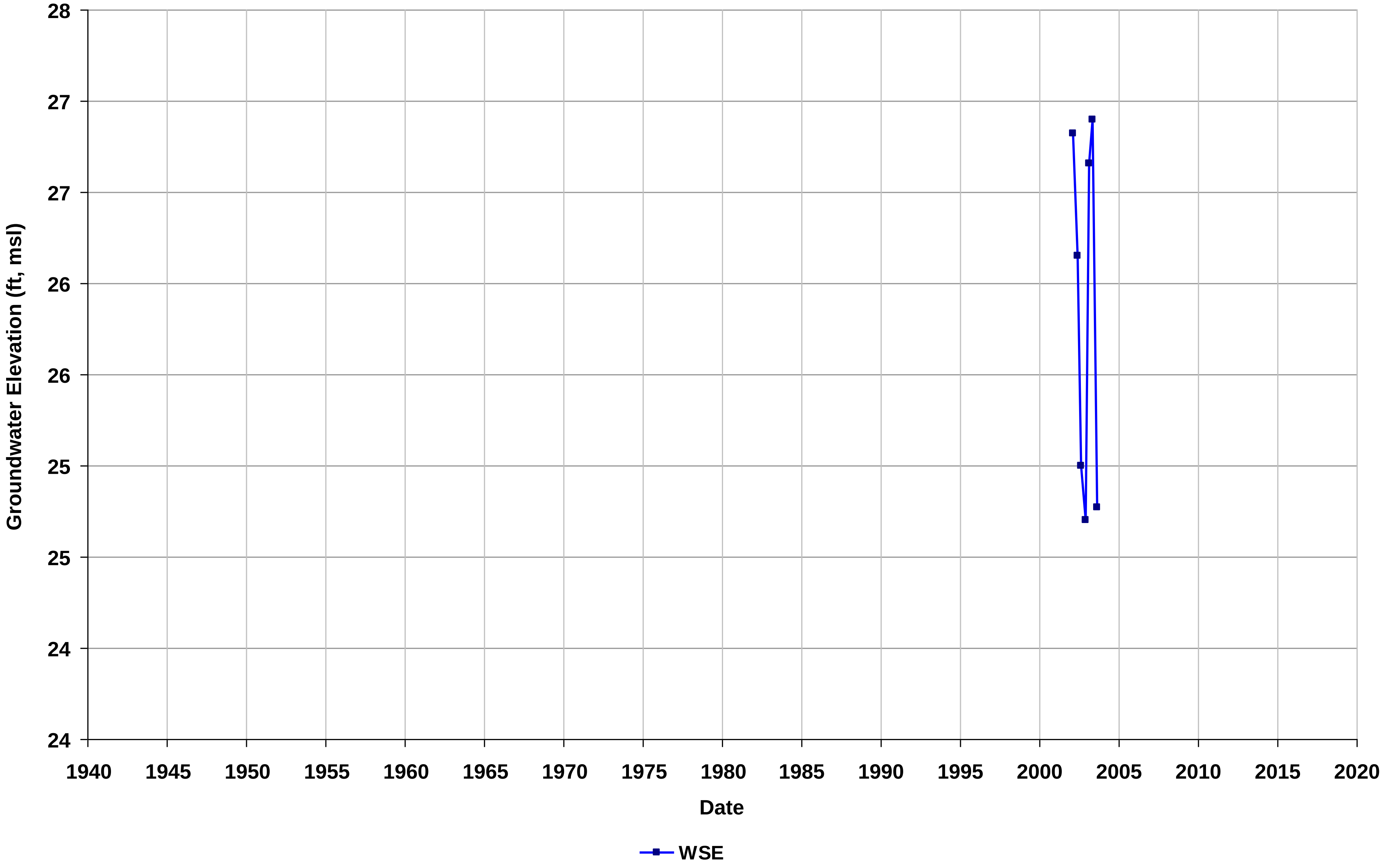
Well Name: 1136-MW-1
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 19
Perf. Interval (ft bgs):
T/R/S: 03S/02W/06
Well Use: Observation



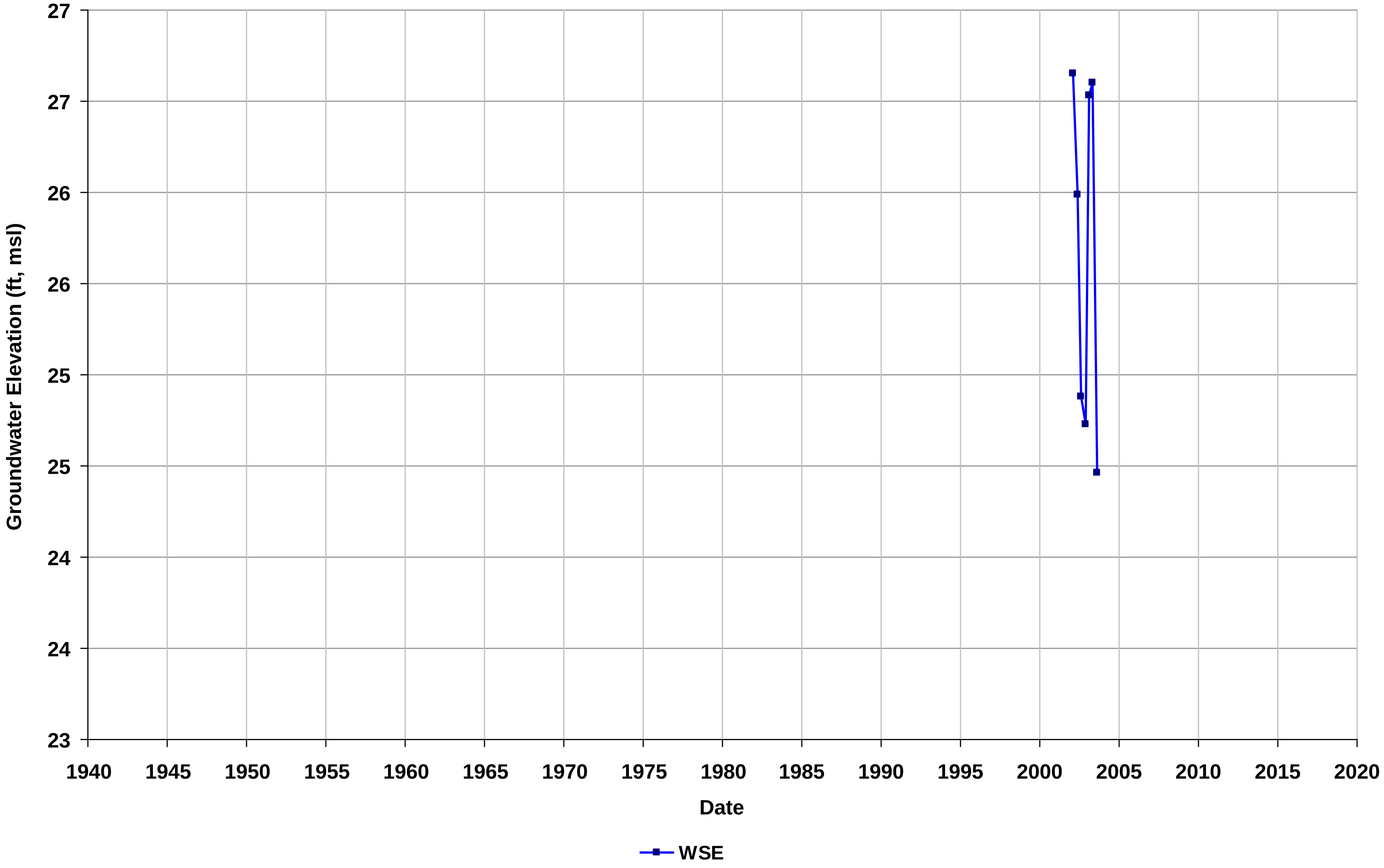
Well Name: 1136-MW-10
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs):
T/R/S: 03S/02W/06
Well Use: Observation



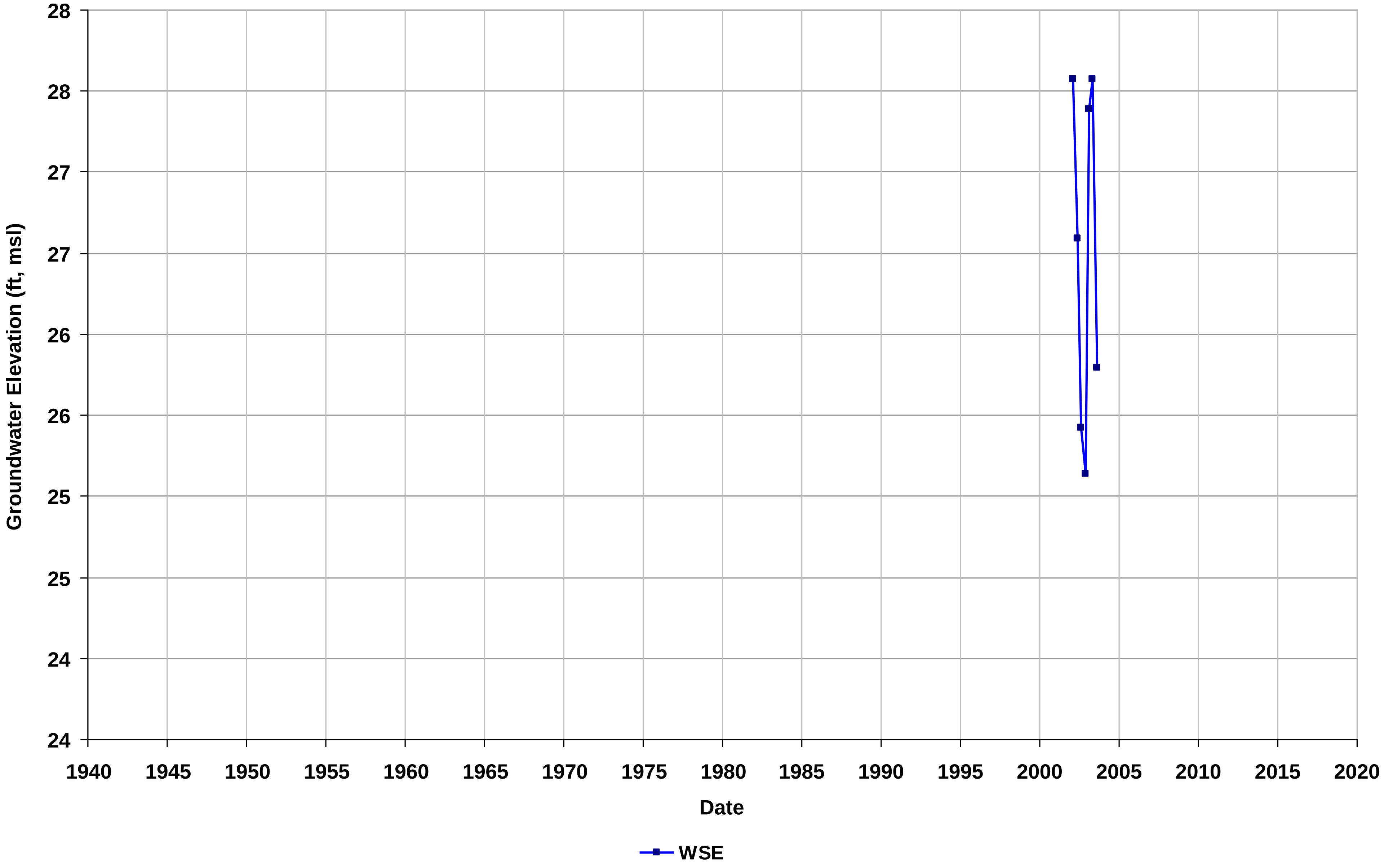
Well Name: 1136-MW-11
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 19
Perf. Interval (ft bgs):
T/R/S: 03S/02W/06
Well Use: Observation



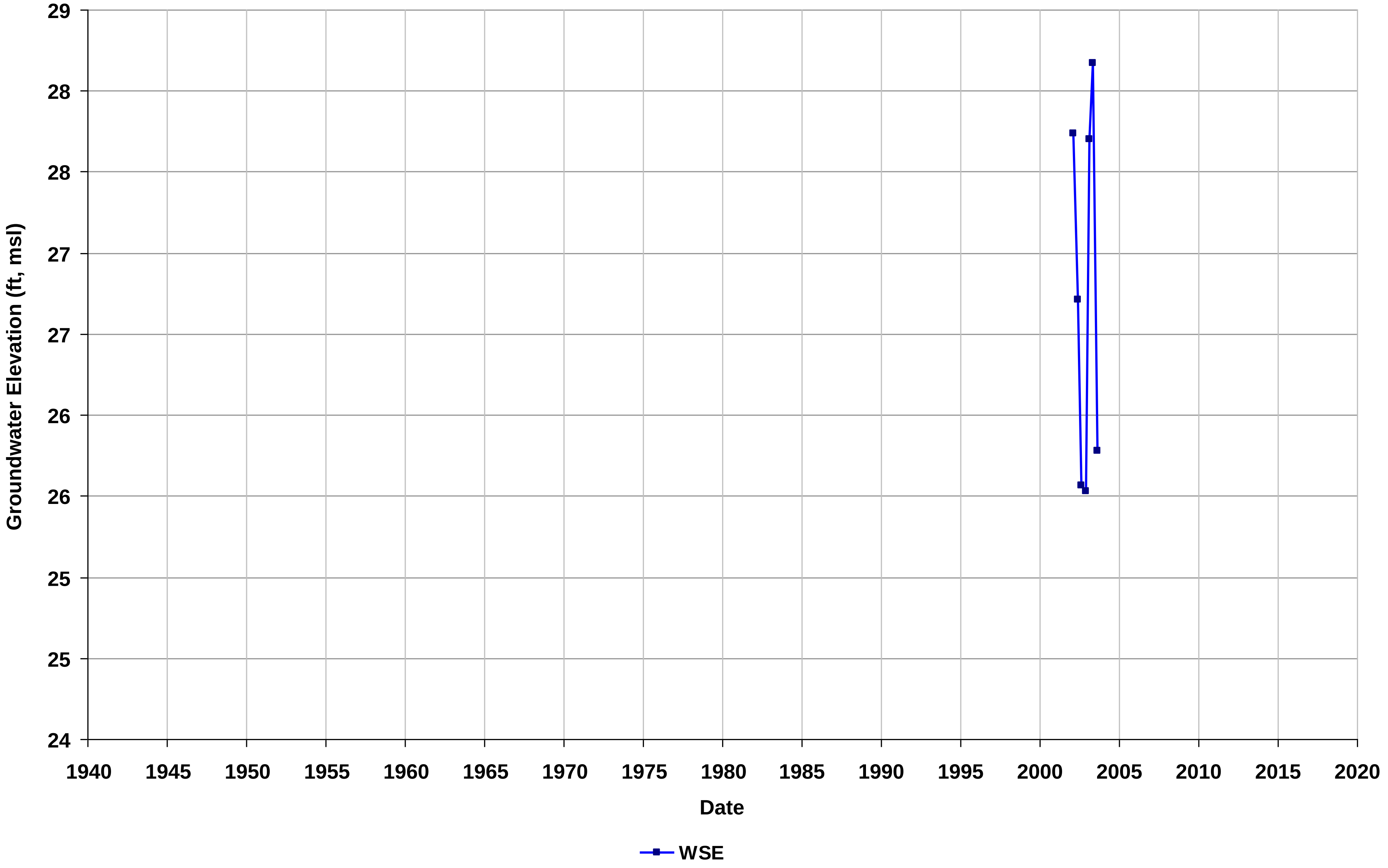
Well Name: 1136-MW-2
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 19
Perf. Interval (ft bgs):
T/R/S: 03S/02W/06
Well Use: Observation



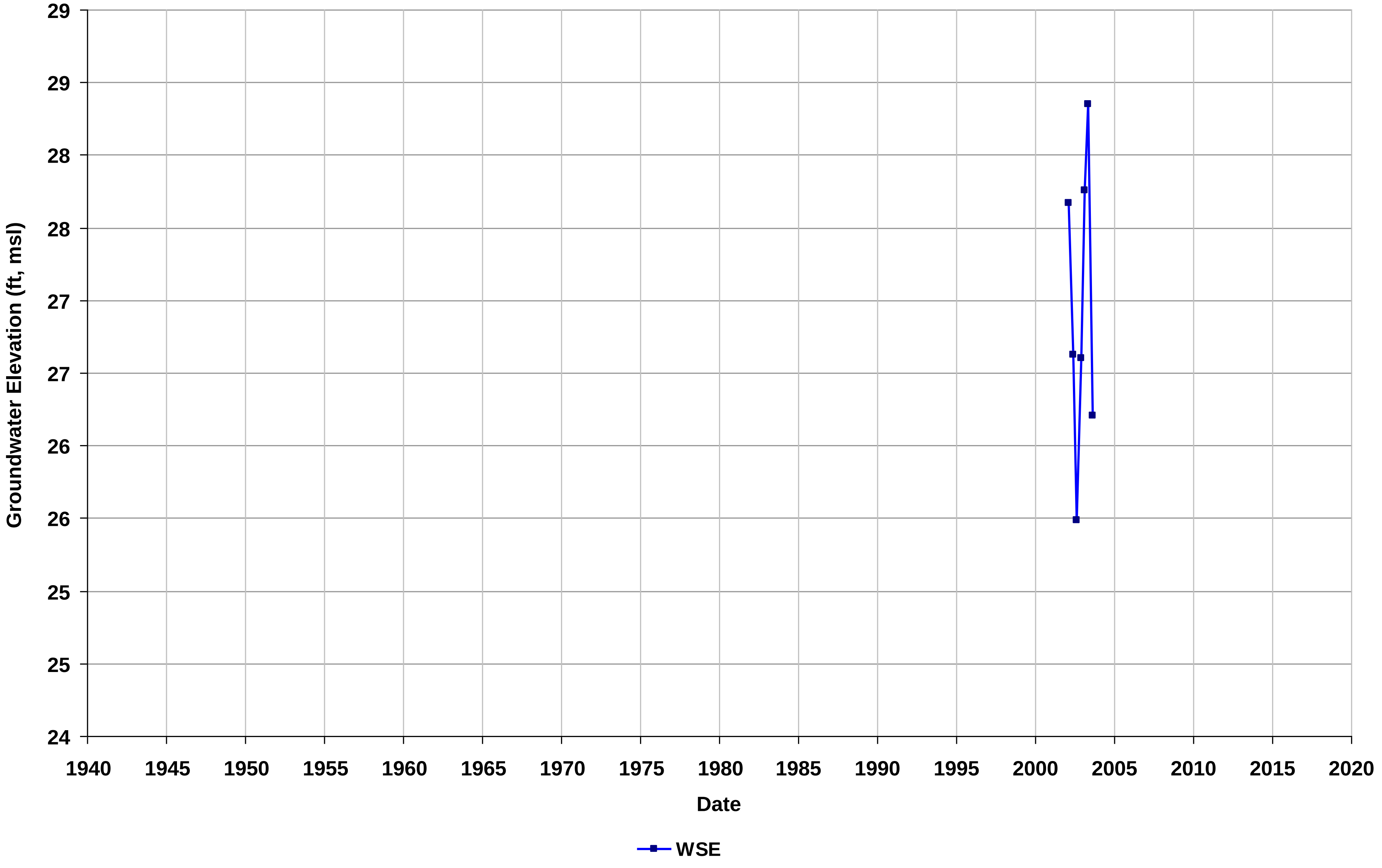
Well Name: 1136-MW-3
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 22
Perf. Interval (ft bgs):
T/R/S: 03S/02W/06
Well Use: Observation



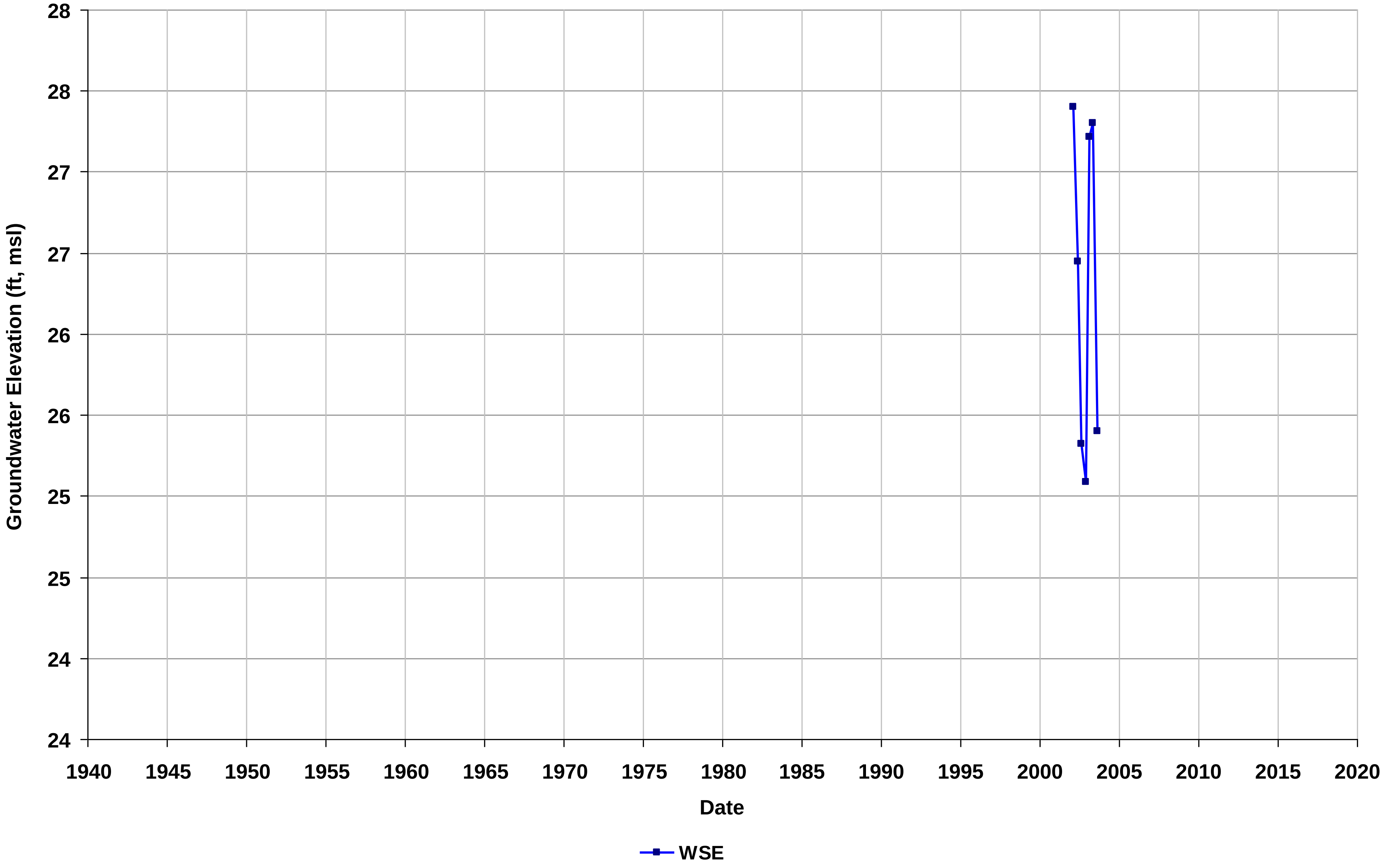
Well Name: 1136-MW-4
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs):
T/R/S: 03S/02W/06
Well Use: Observation



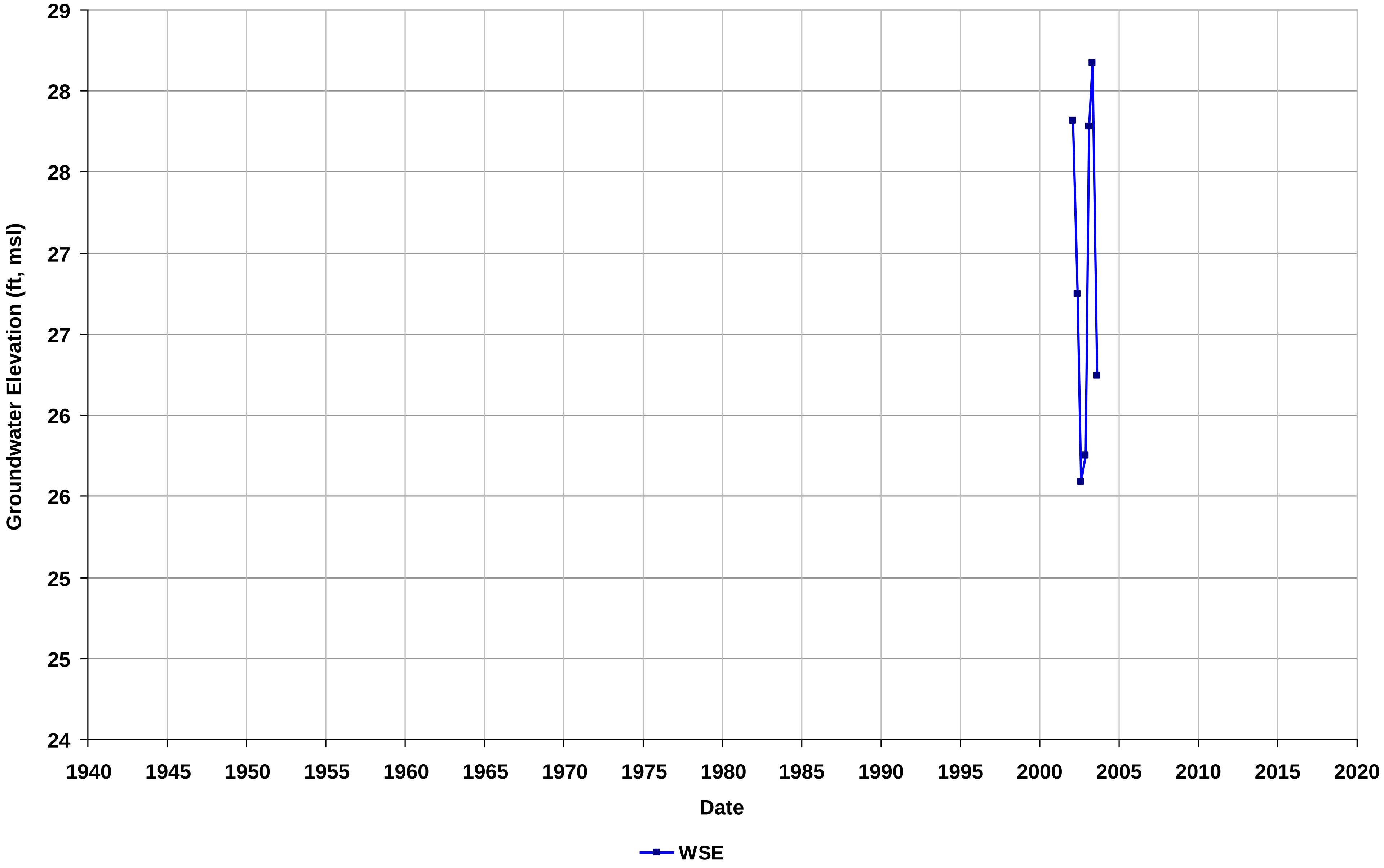
Well Name: 1136-MW-5
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 22
Perf. Interval (ft bgs):
T/R/S: 03S/02W/06
Well Use: Observation



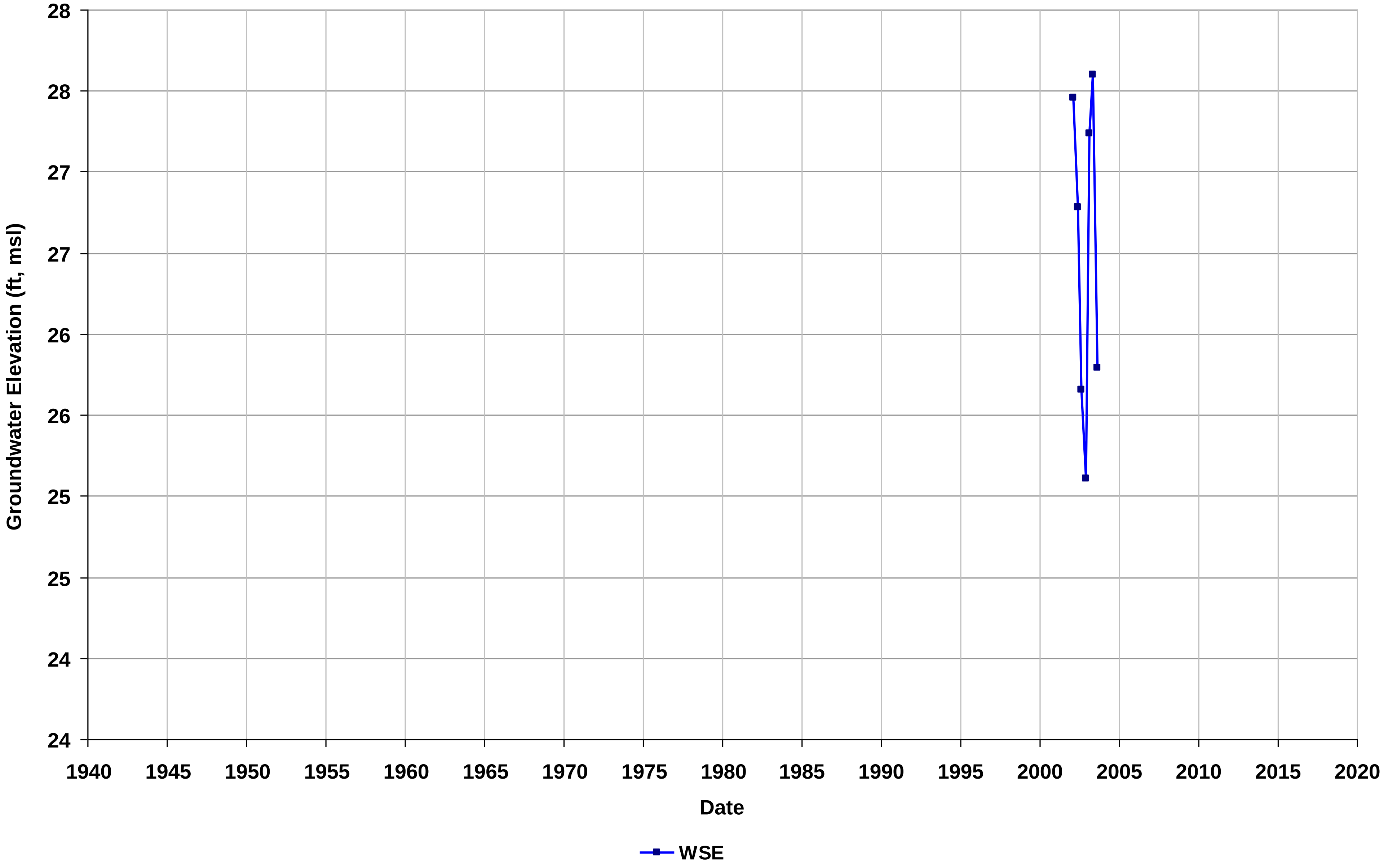
Well Name: 1136-MW-6
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs):
T/R/S: 03S/02W/06
Well Use: Observation



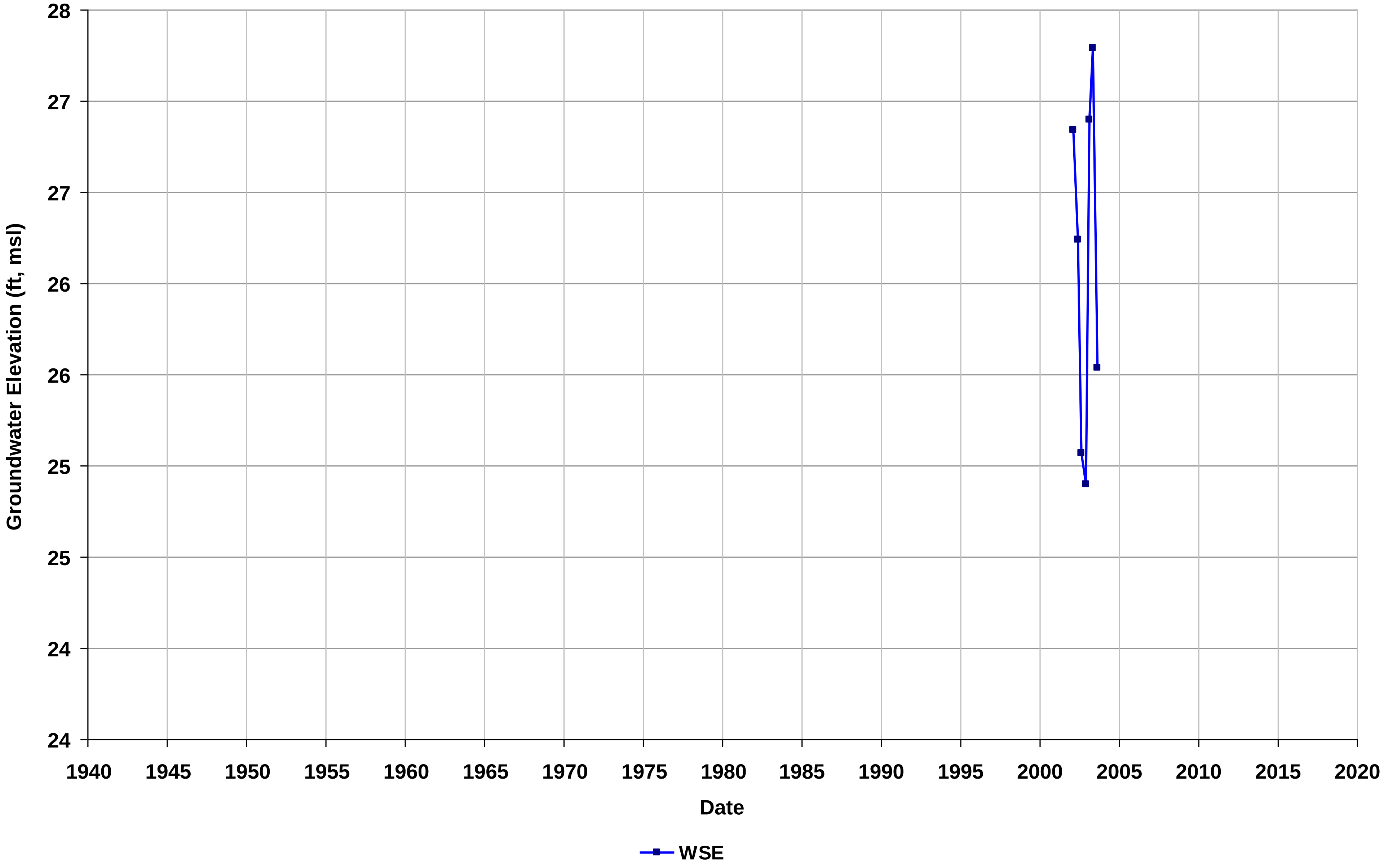
Well Name: 1136-MW-7
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 21
Perf. Interval (ft bgs):
T/R/S: 03S/02W/06
Well Use: Observation



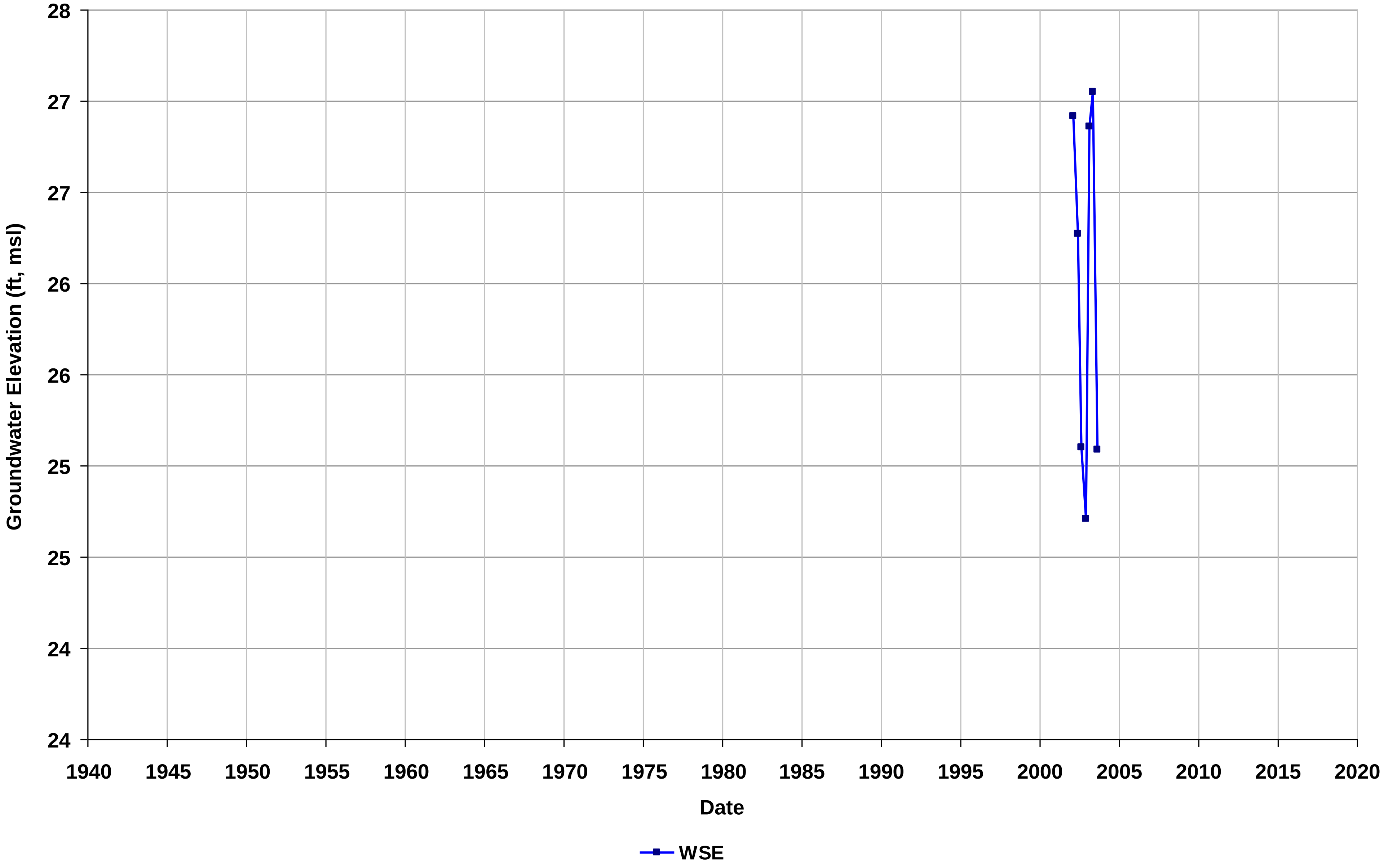
Well Name: 1136-MW-8
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 19
Perf. Interval (ft bgs):
T/R/S: 03S/02W/06
Well Use: Observation



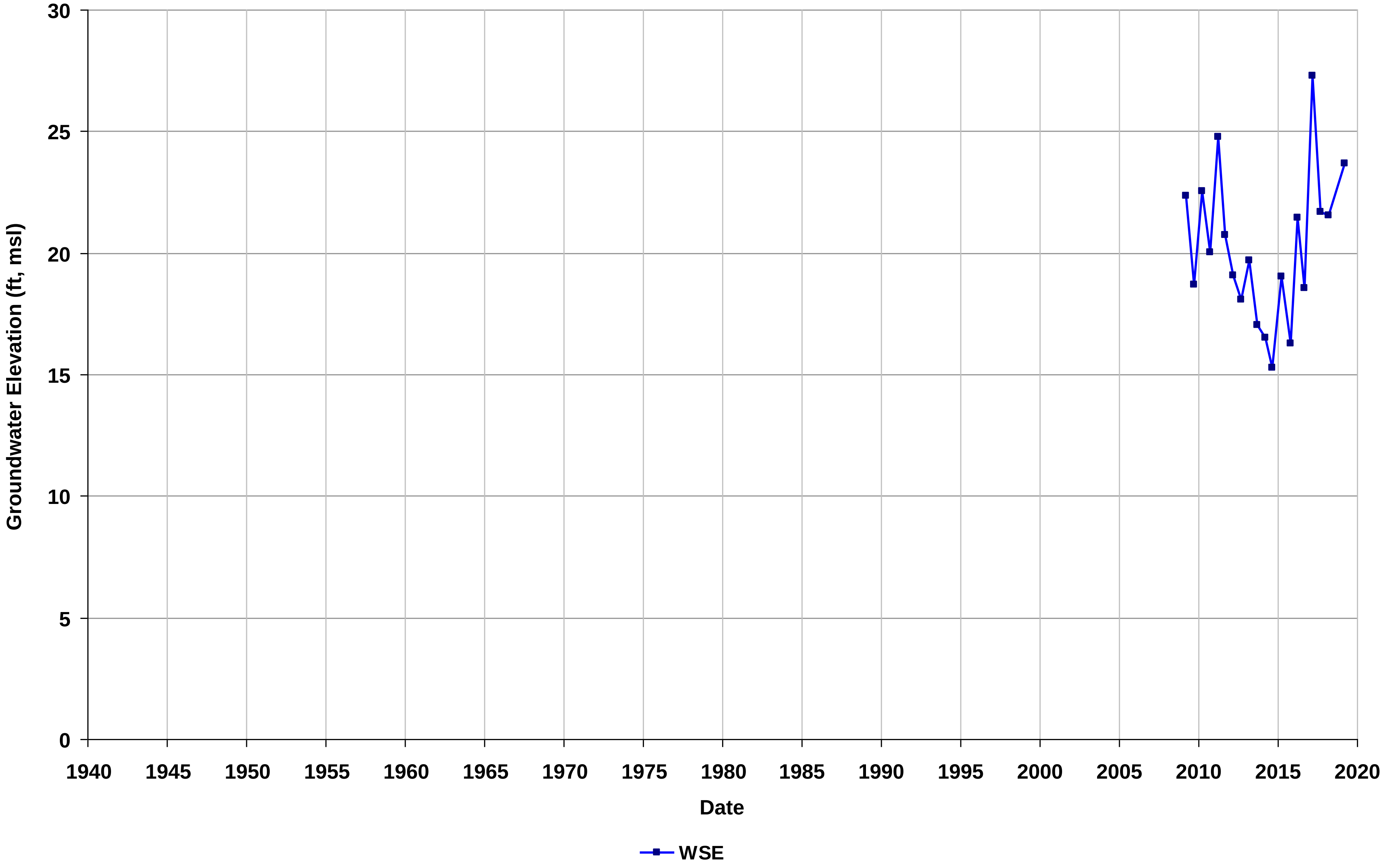
Well Name: 1136-MW-9
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 19
Perf. Interval (ft bgs):
T/R/S: 03S/02W/06
Well Use: Observation



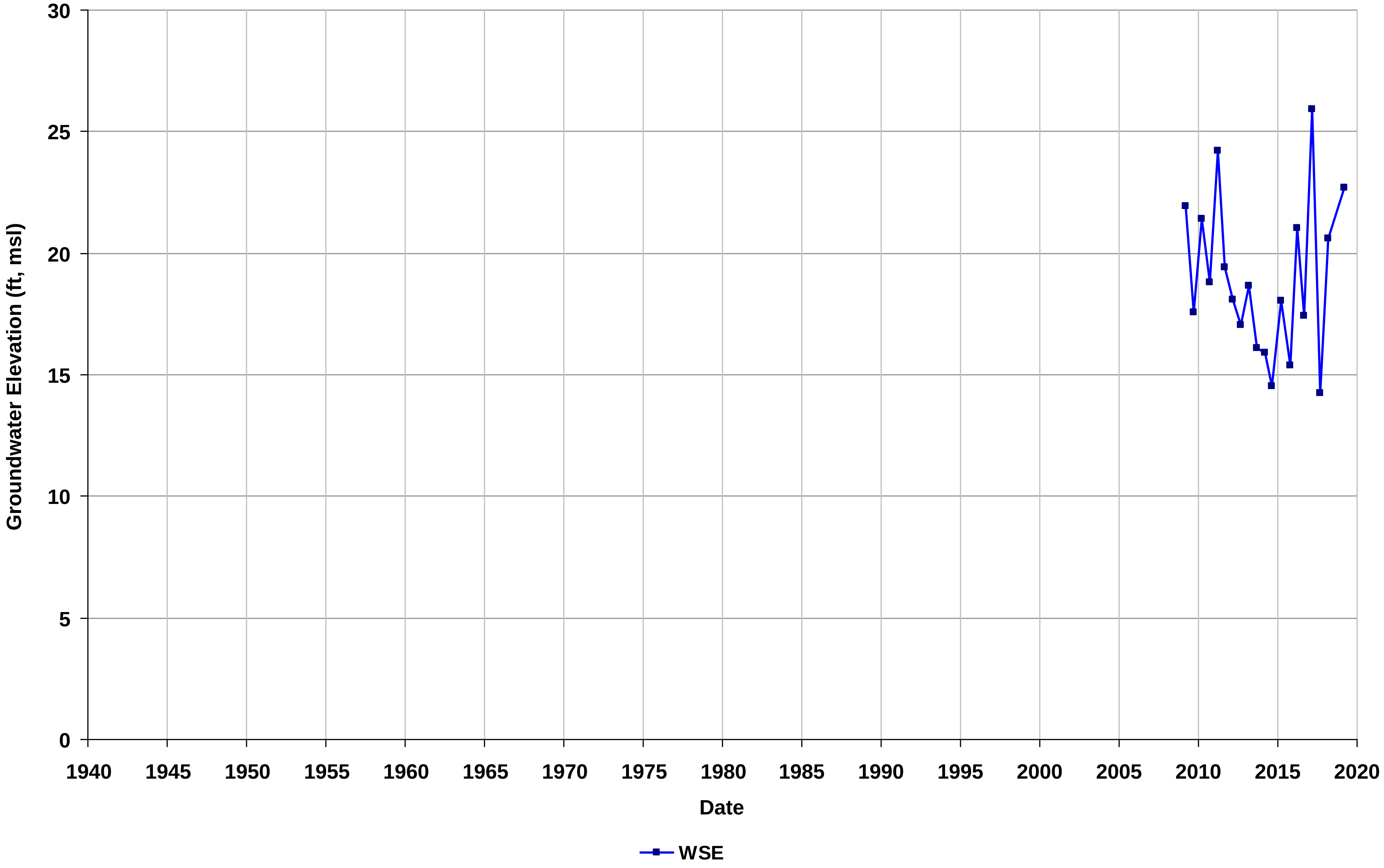
Well Name: L10005679640-W-1
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 26.6-47
T/R/S: 04S/02W/01
Well Use: Observation



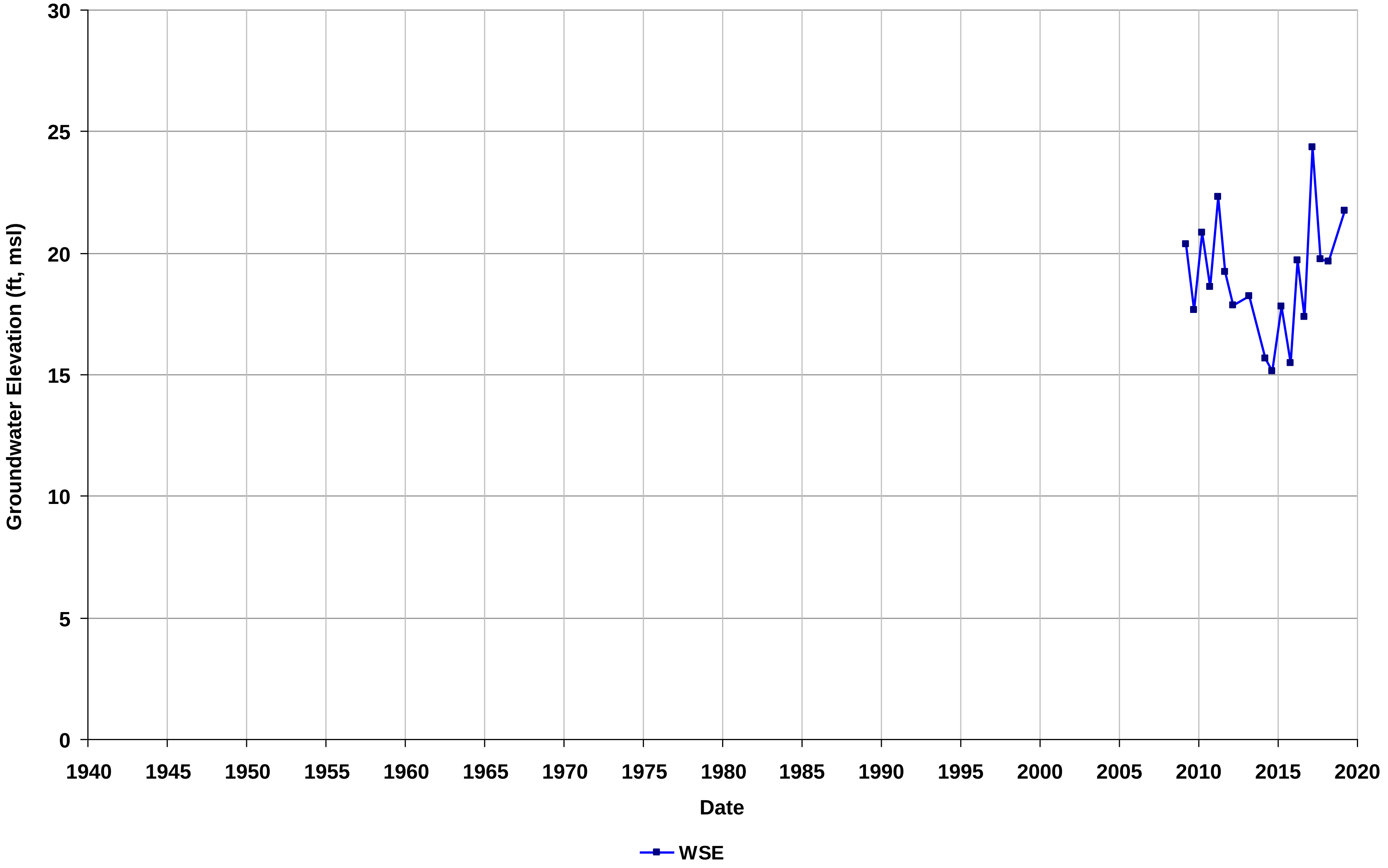
Well Name: L10005679640-W-101
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 29-49
T/R/S: 04S/02W/01
Well Use: Observation



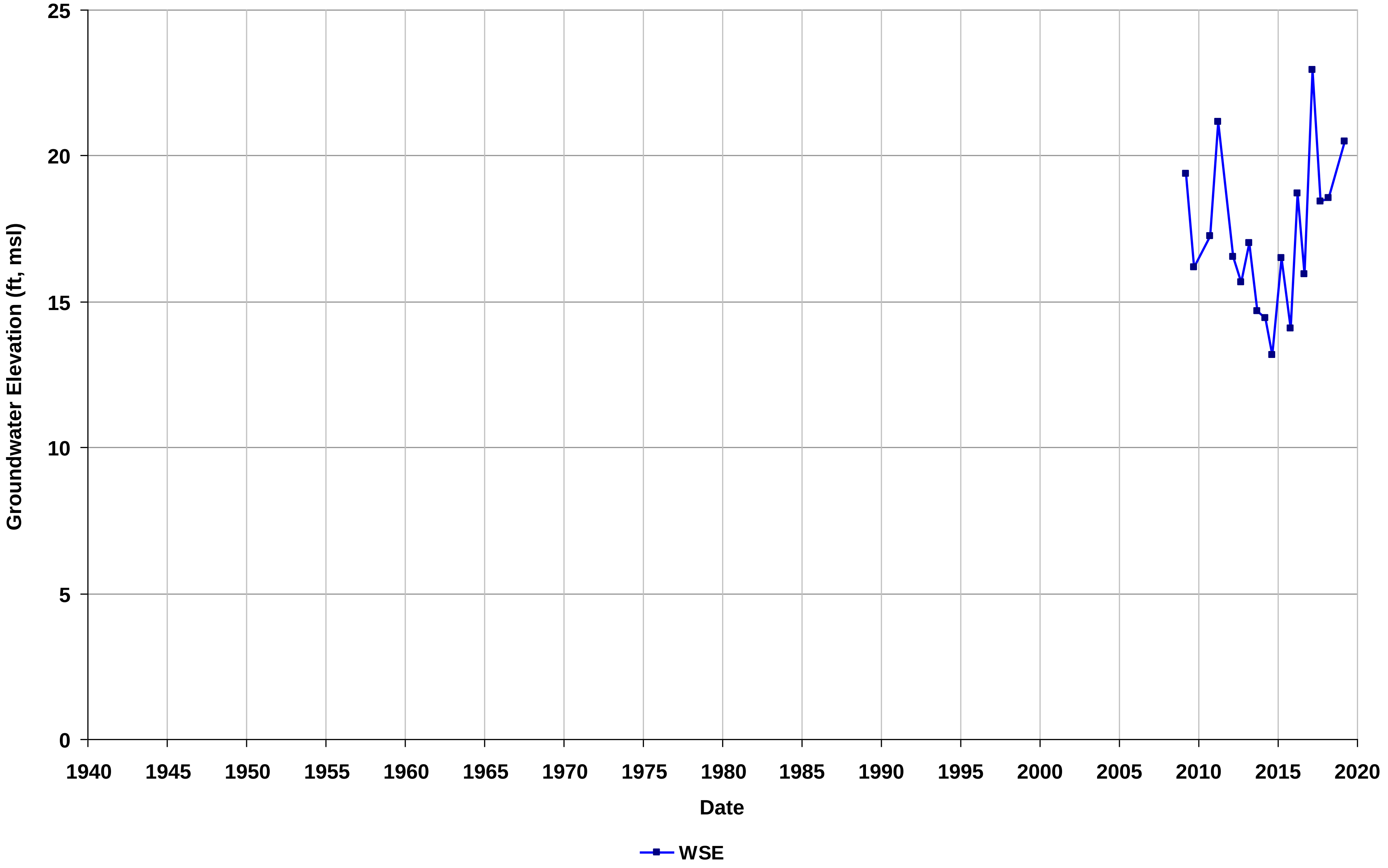
Well Name: L10005679640-W-103 A
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 30.4-50
T/R/S: 04S/02W/01
Well Use: Observation



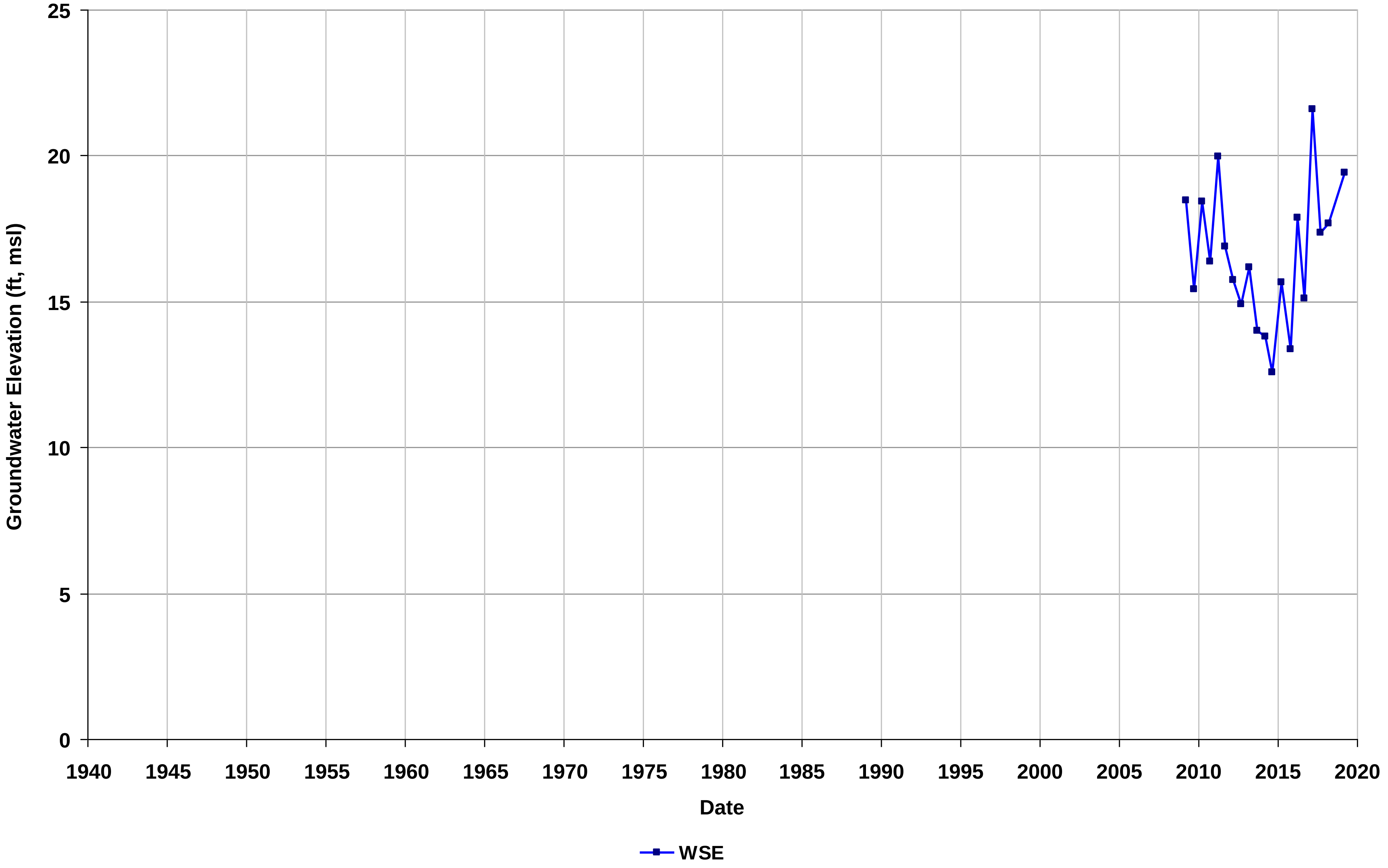
Well Name: L10005679640-W-104
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 19.5-40
T/R/S: 04S/02W/02
Well Use: Observation



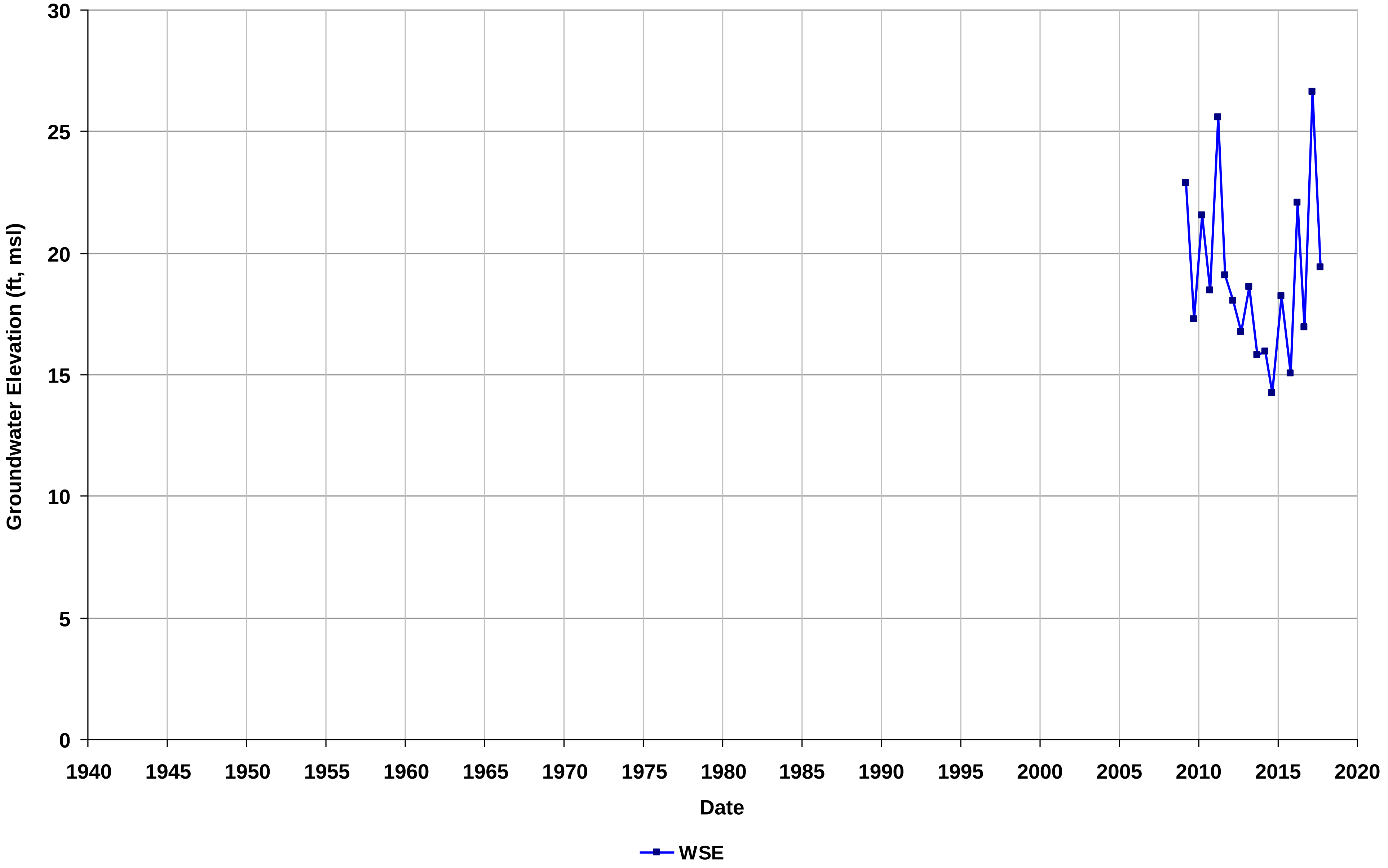
Well Name: L10005679640-W-105
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 20-40
T/R/S: 04S/02W/02
Well Use: Observation



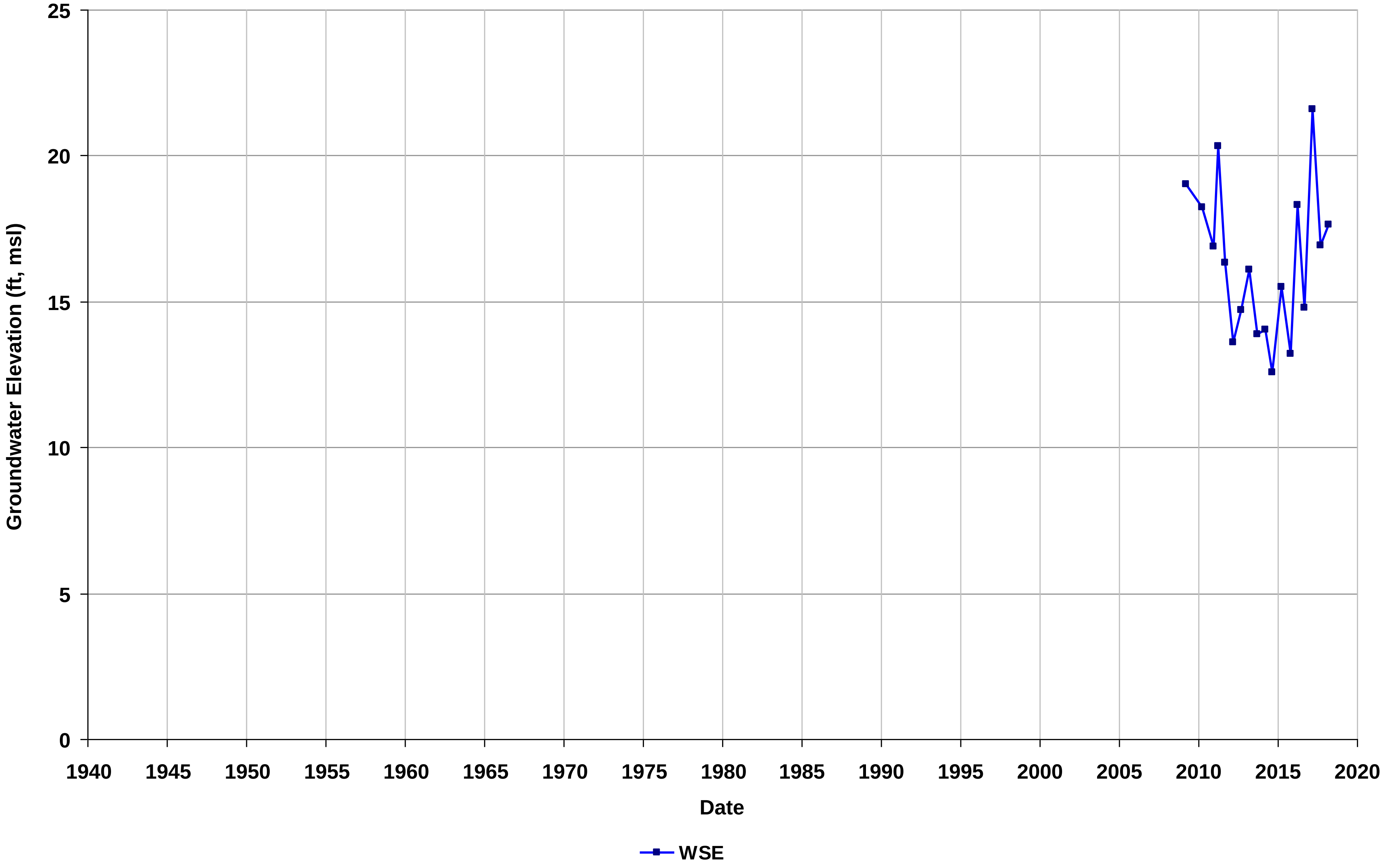
Well Name: L10005679640-W-106R
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 28-48
T/R/S: 04S/02W/01
Well Use: Observation



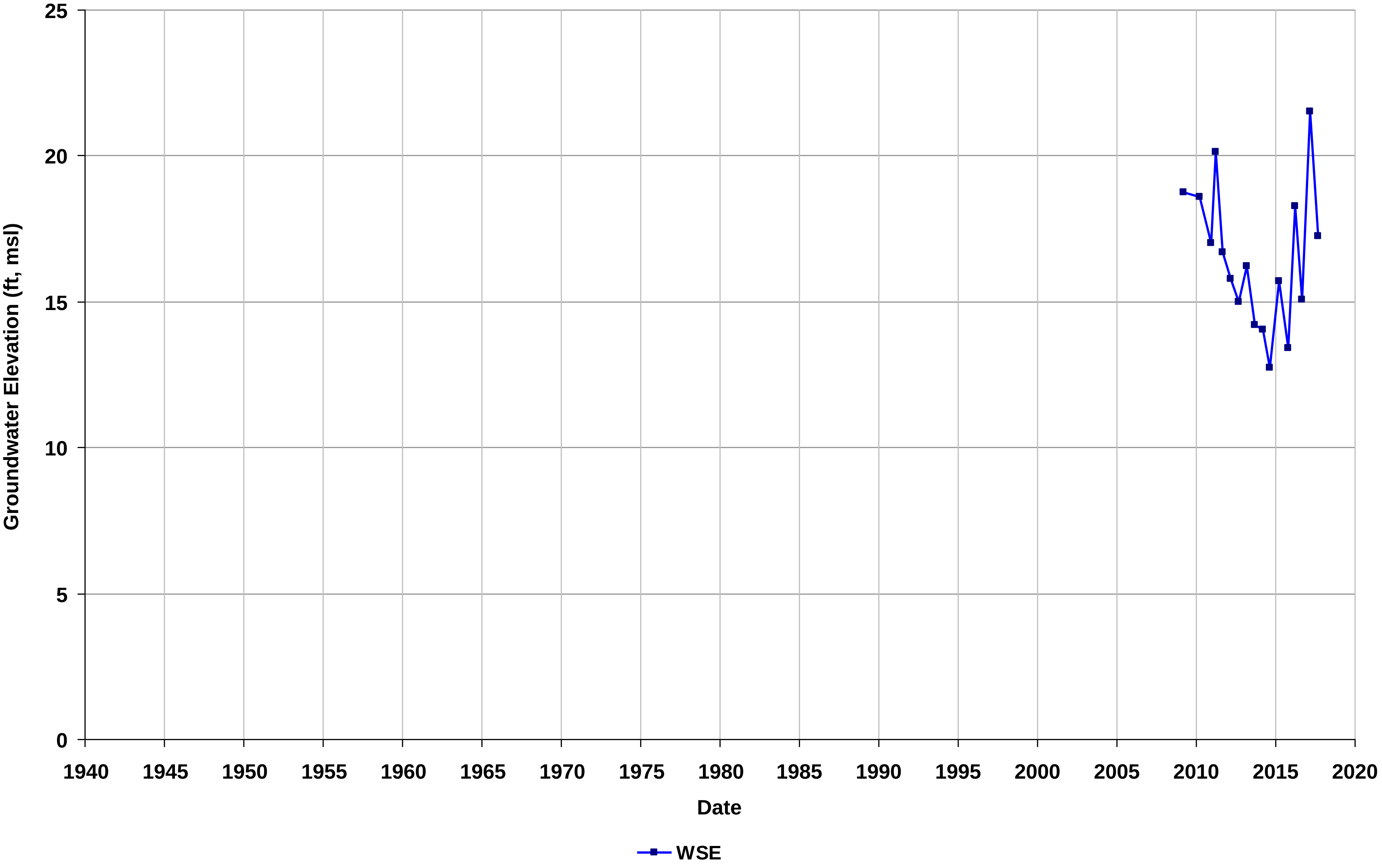
Well Name: L10005679640-W-107
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 18.5-38
T/R/S: 04S/02W/02
Well Use: Observation



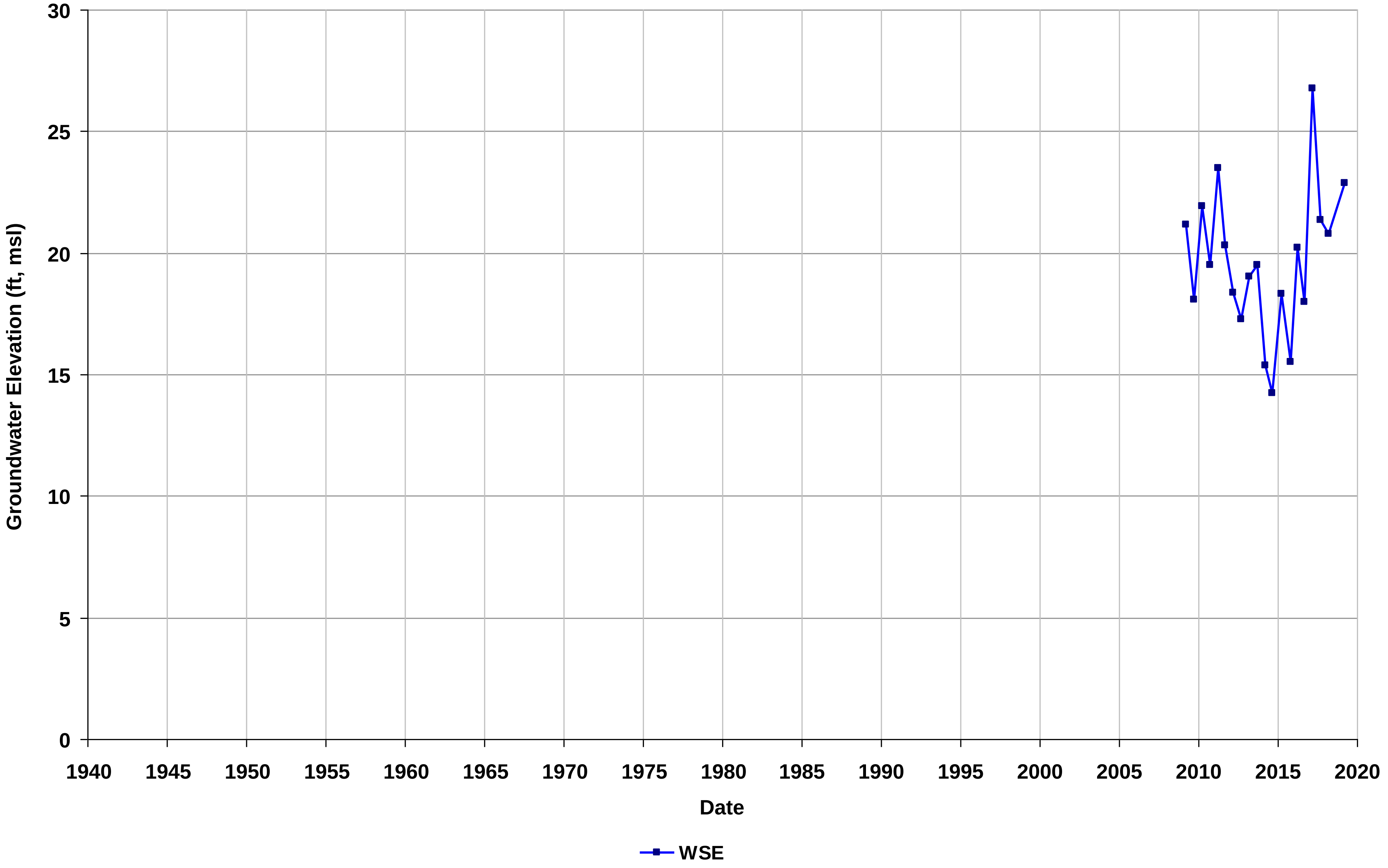
Well Name: L10005679640-W-108
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 18.6-39
T/R/S: 04S/02W/02
Well Use: Observation



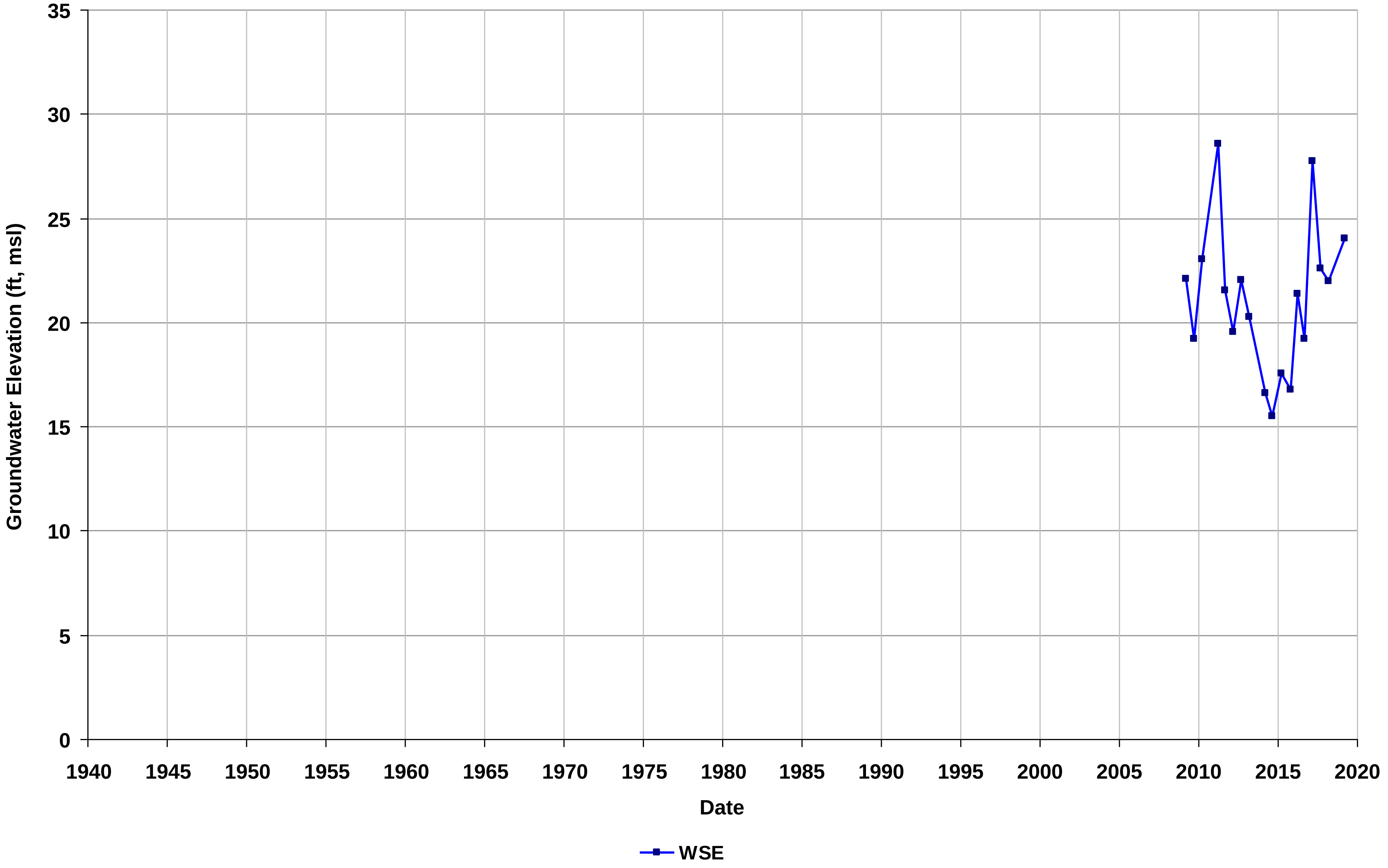
Well Name: L10005679640-W-2
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 25-45
T/R/S: 04S/02W/01
Well Use: Observation



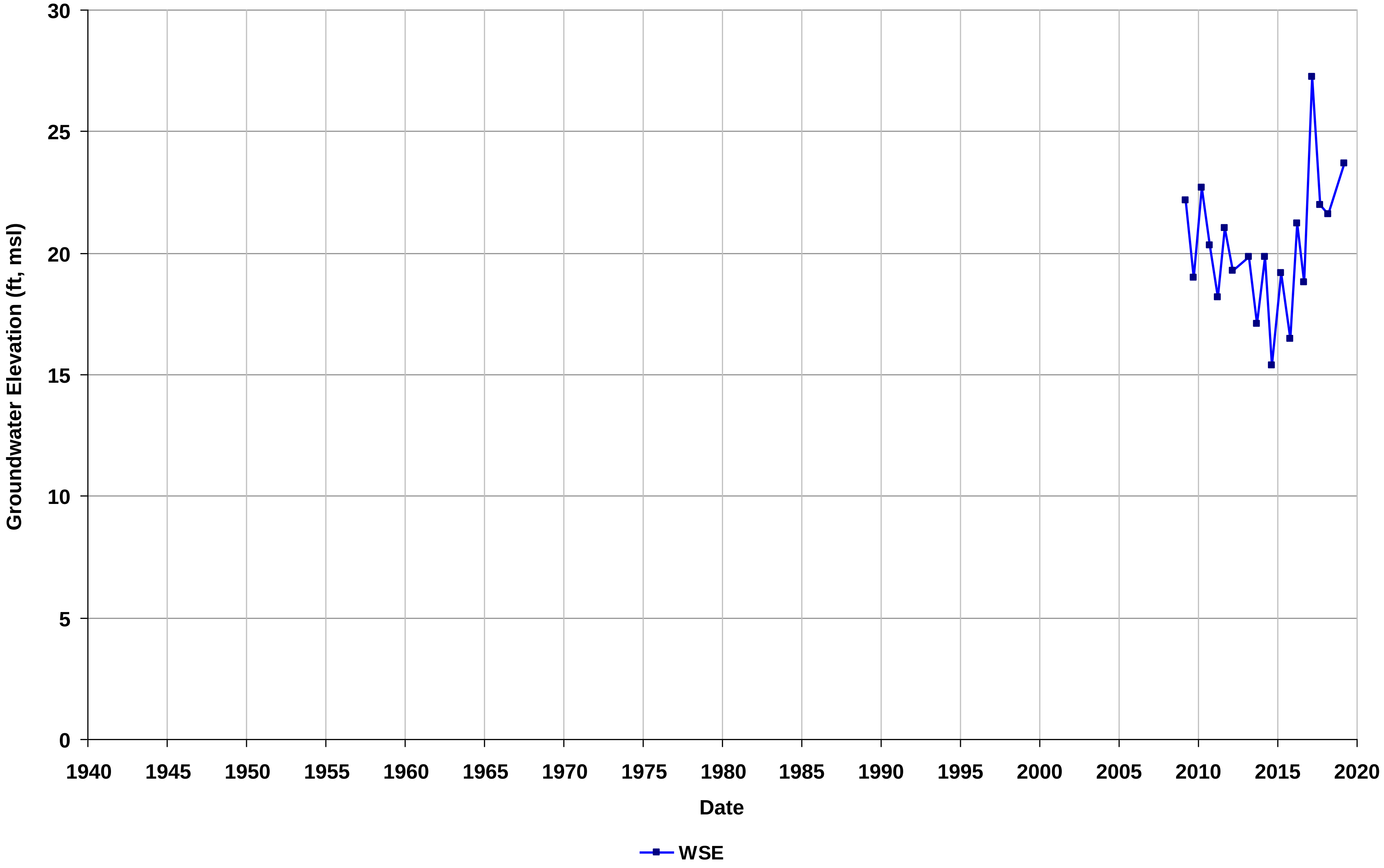
Well Name: L10005679640-W-204
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 25-45
T/R/S: 04S/02W/01
Well Use: Observation



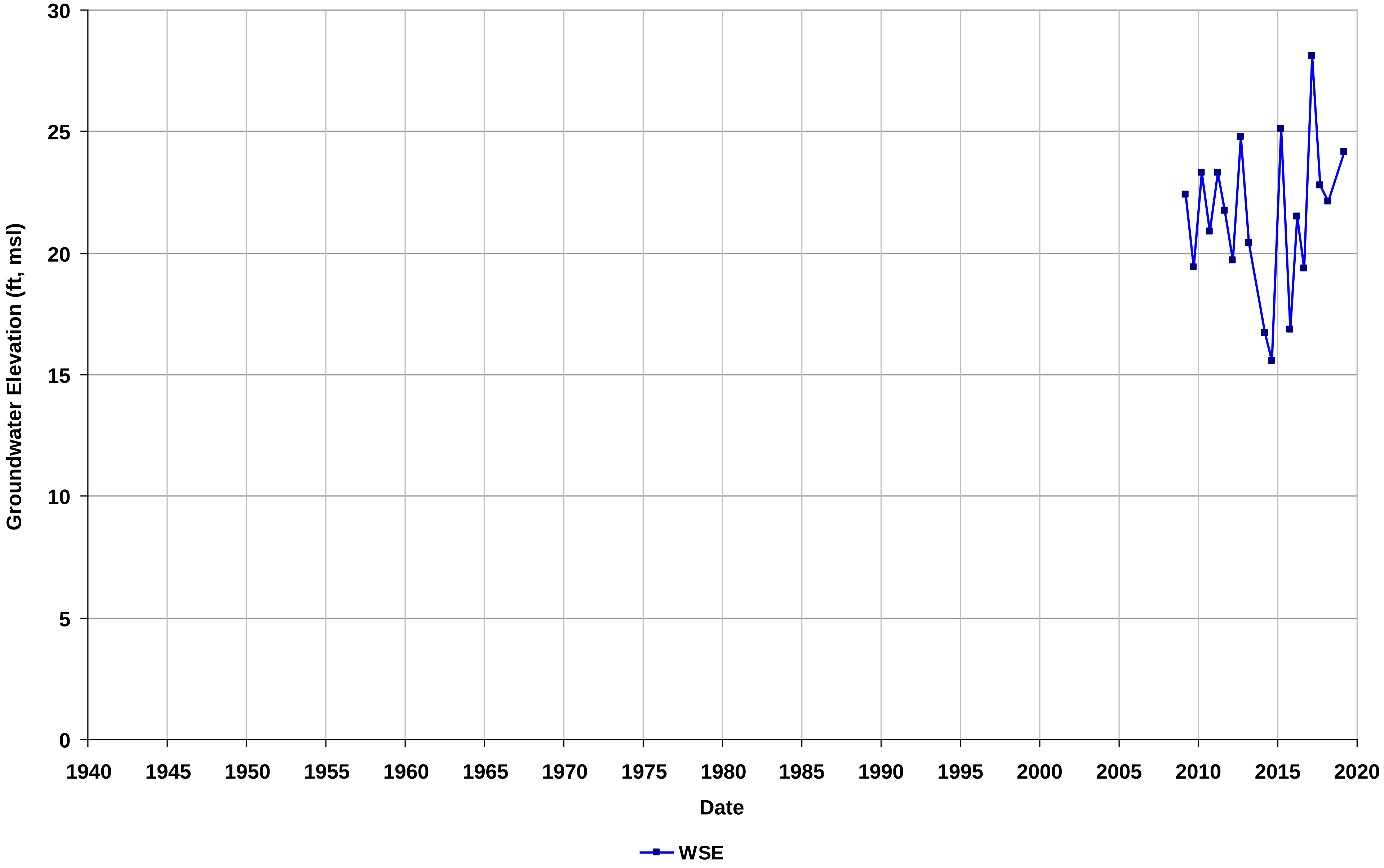
Well Name: L10005679640-W-205
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 25-45
T/R/S: 04S/02W/01
Well Use: Observation



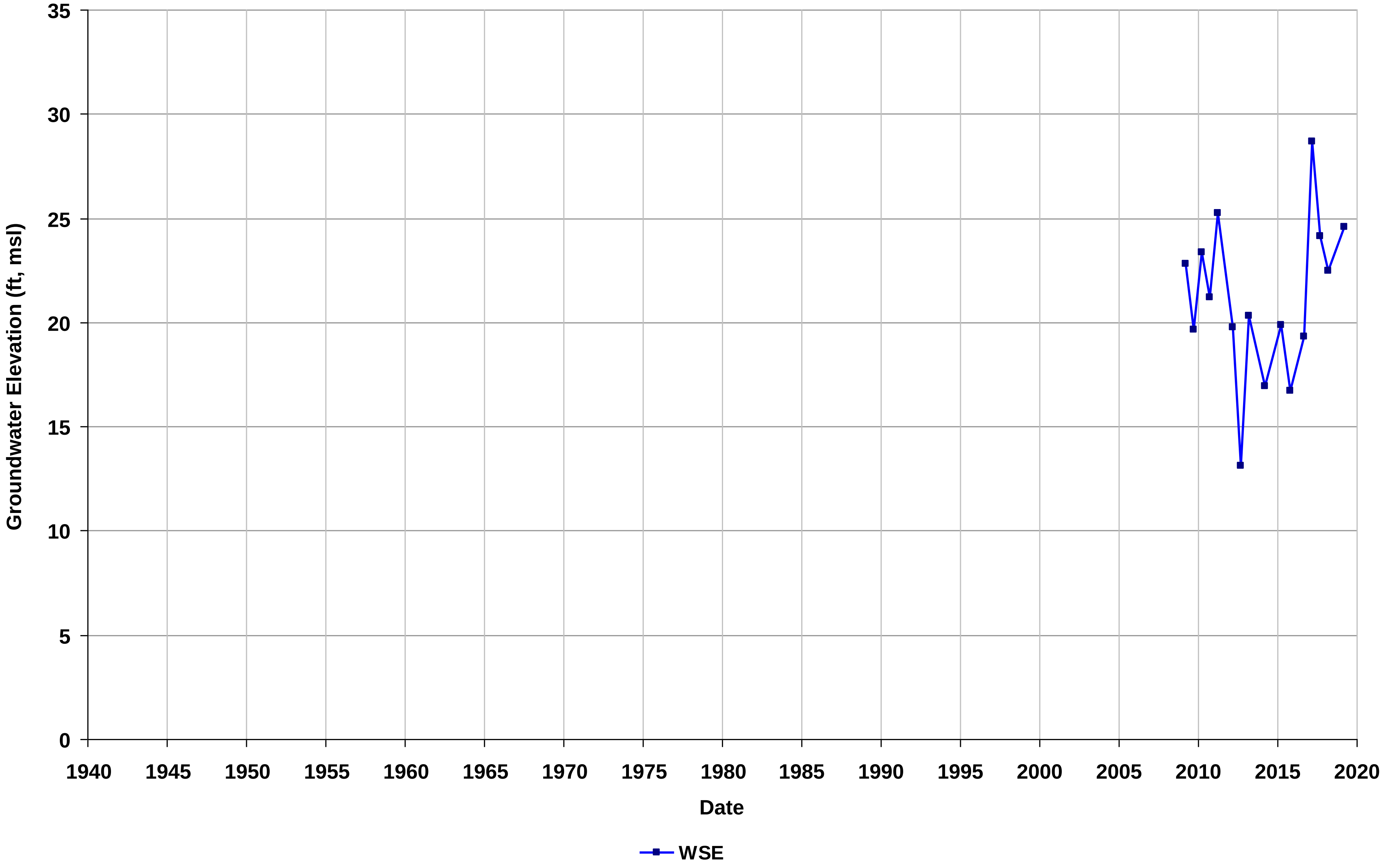
Well Name: L10005679640-W-401
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 23-43
T/R/S: 04S/02W/01
Well Use: Observation



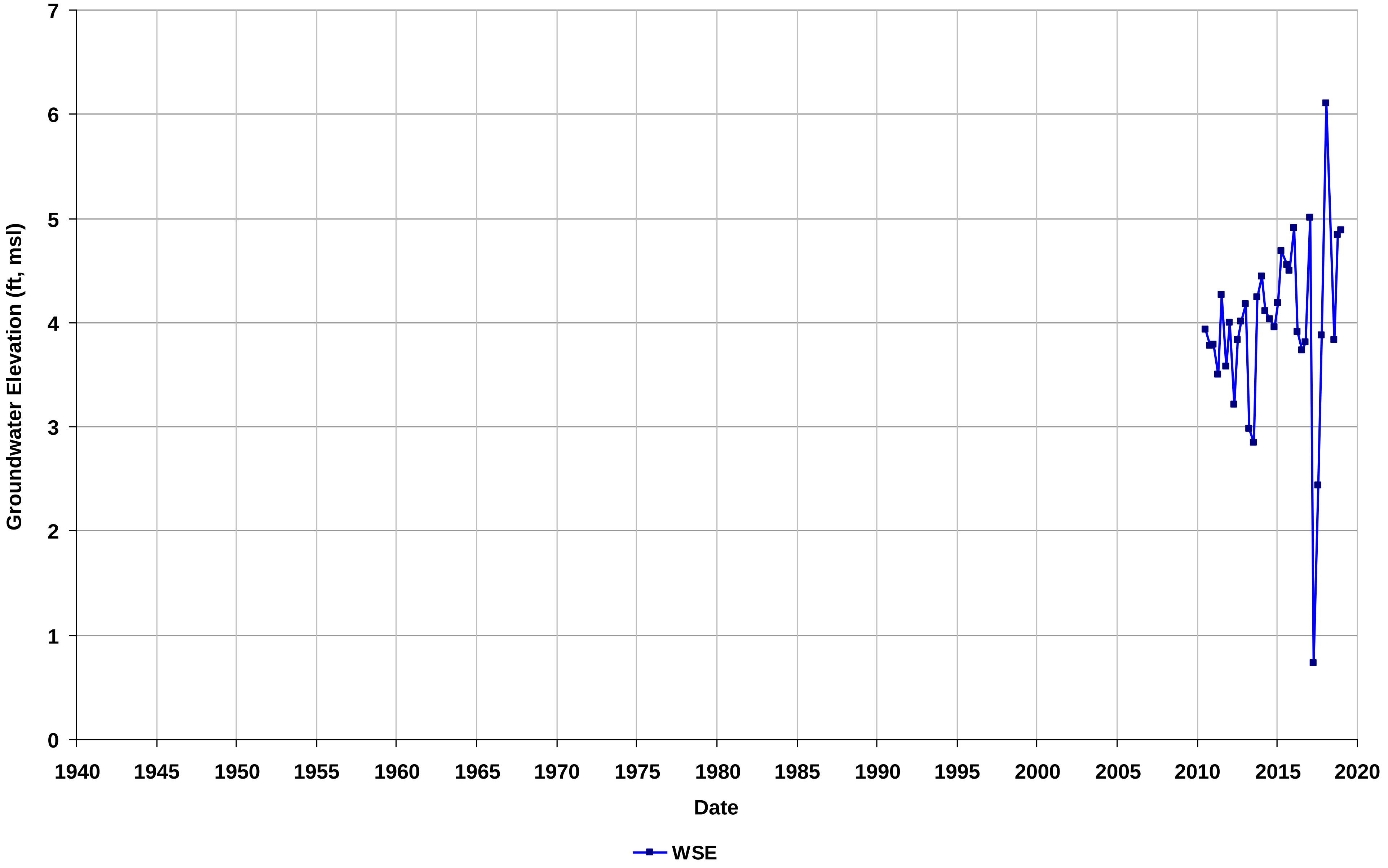
Well Name: L10005679640-W-403
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 19.3-39
T/R/S: 04S/02W/01
Well Use: Observation



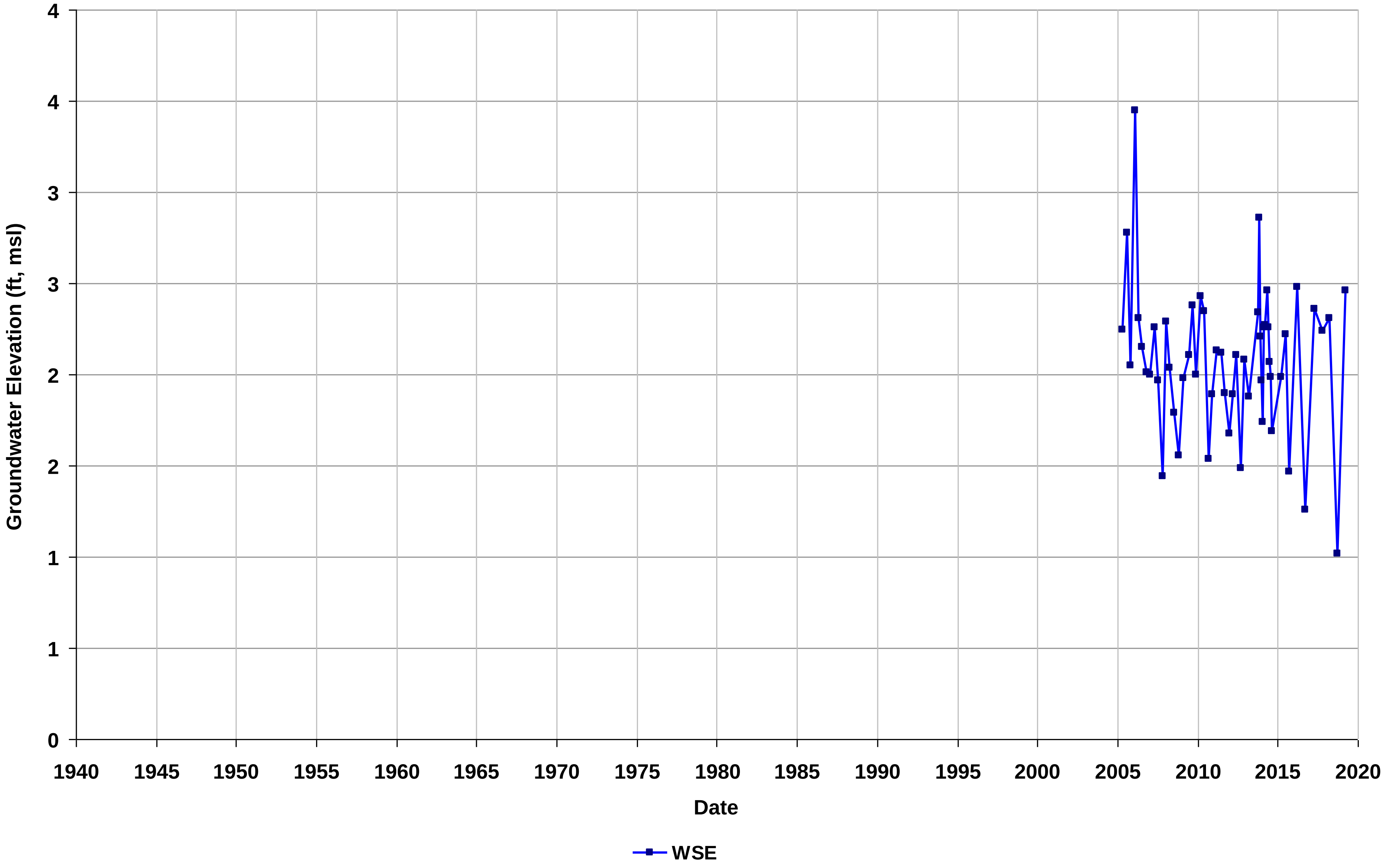
Well Name: L10006224883-GW-2
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 49
Perf. Interval (ft bgs):
T/R/S: 01S/04W/05
Well Use: Observation



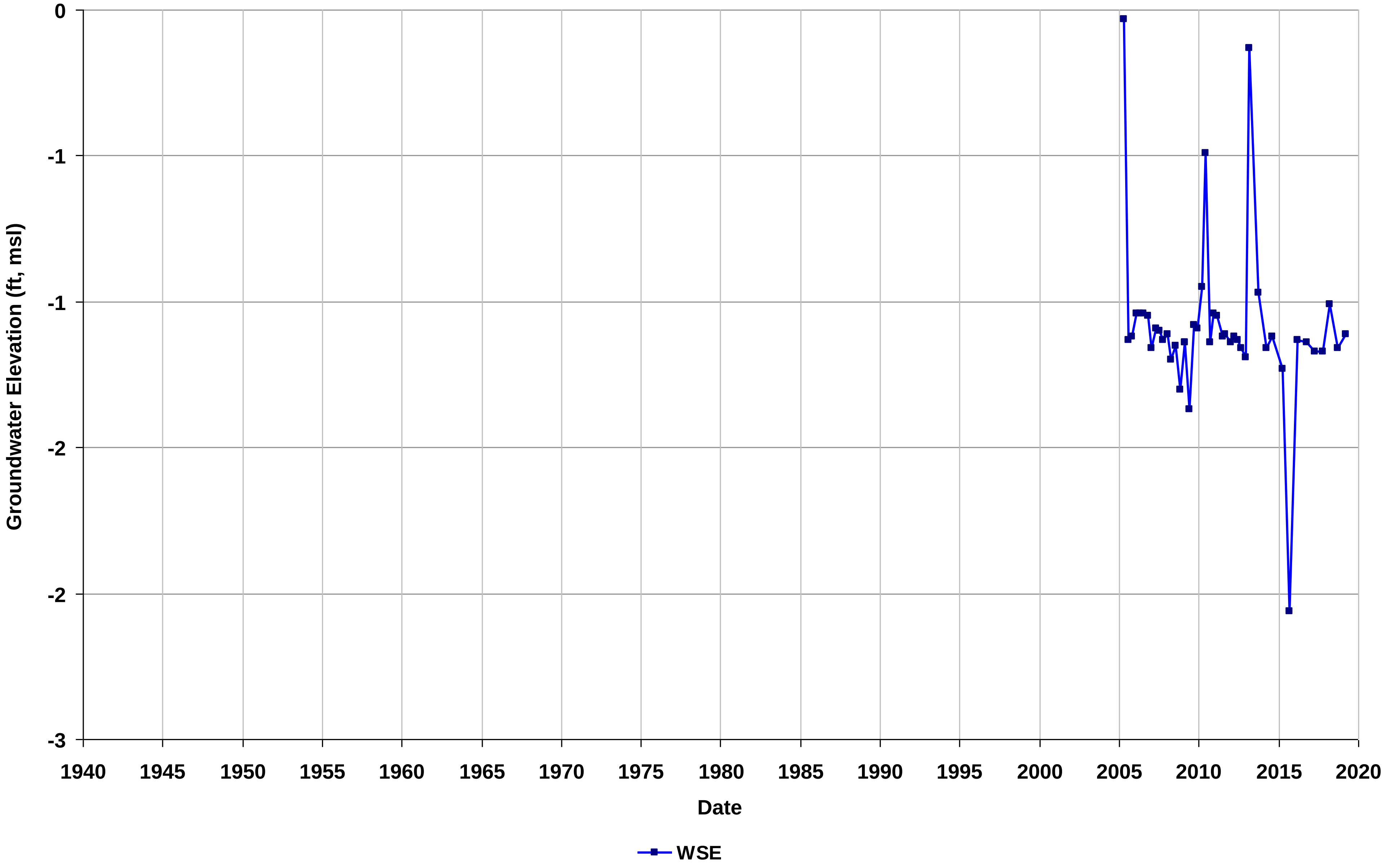
Well Name: SL0002020084-MW-1
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 15
Perf. Interval (ft bgs):
T/R/S: 02S/03W/29
Well Use: Observation



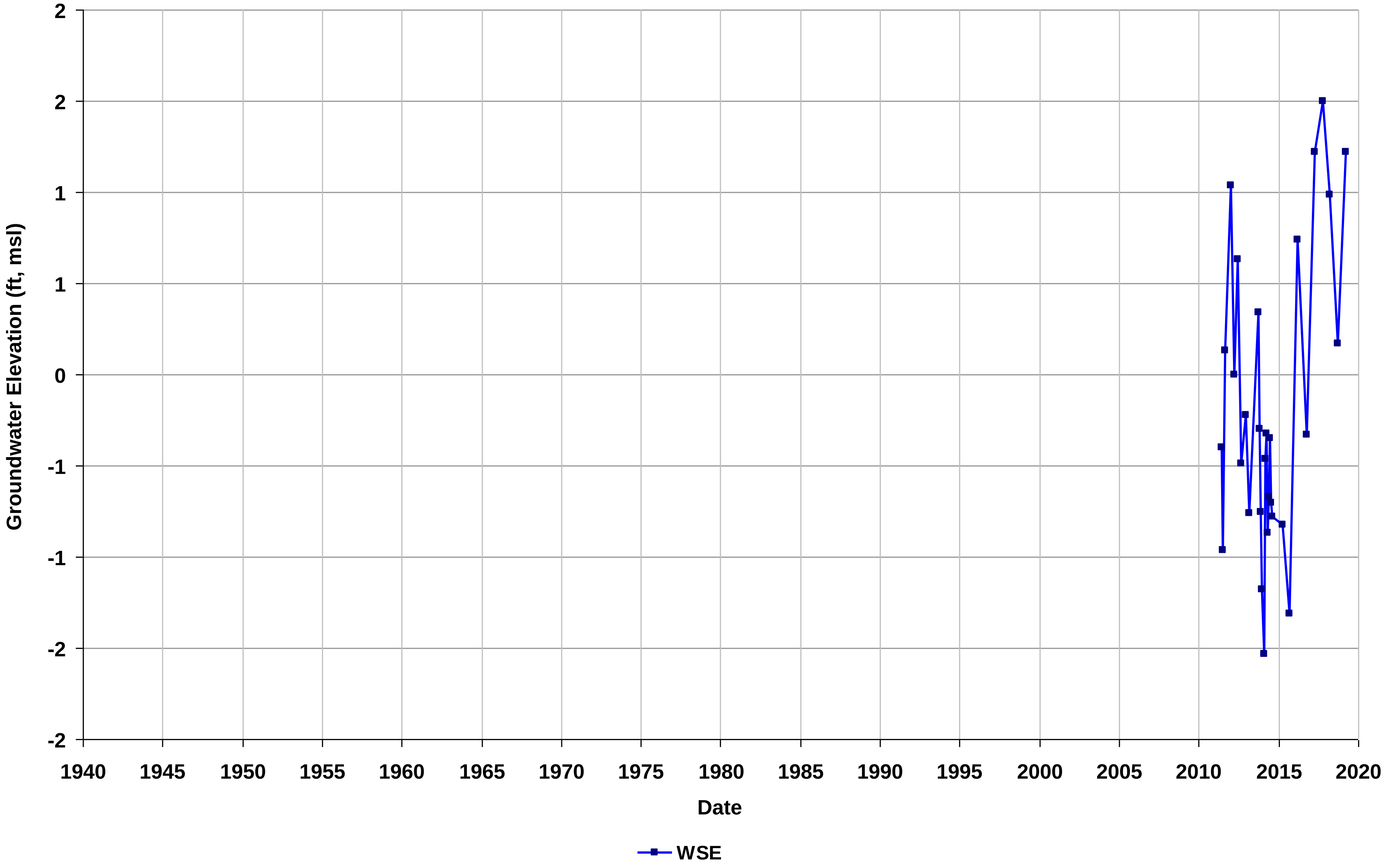
Well Name: SL0002020084-MW-10
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 13
Perf. Interval (ft bgs):
T/R/S: 02S/03W/29
Well Use: Observation



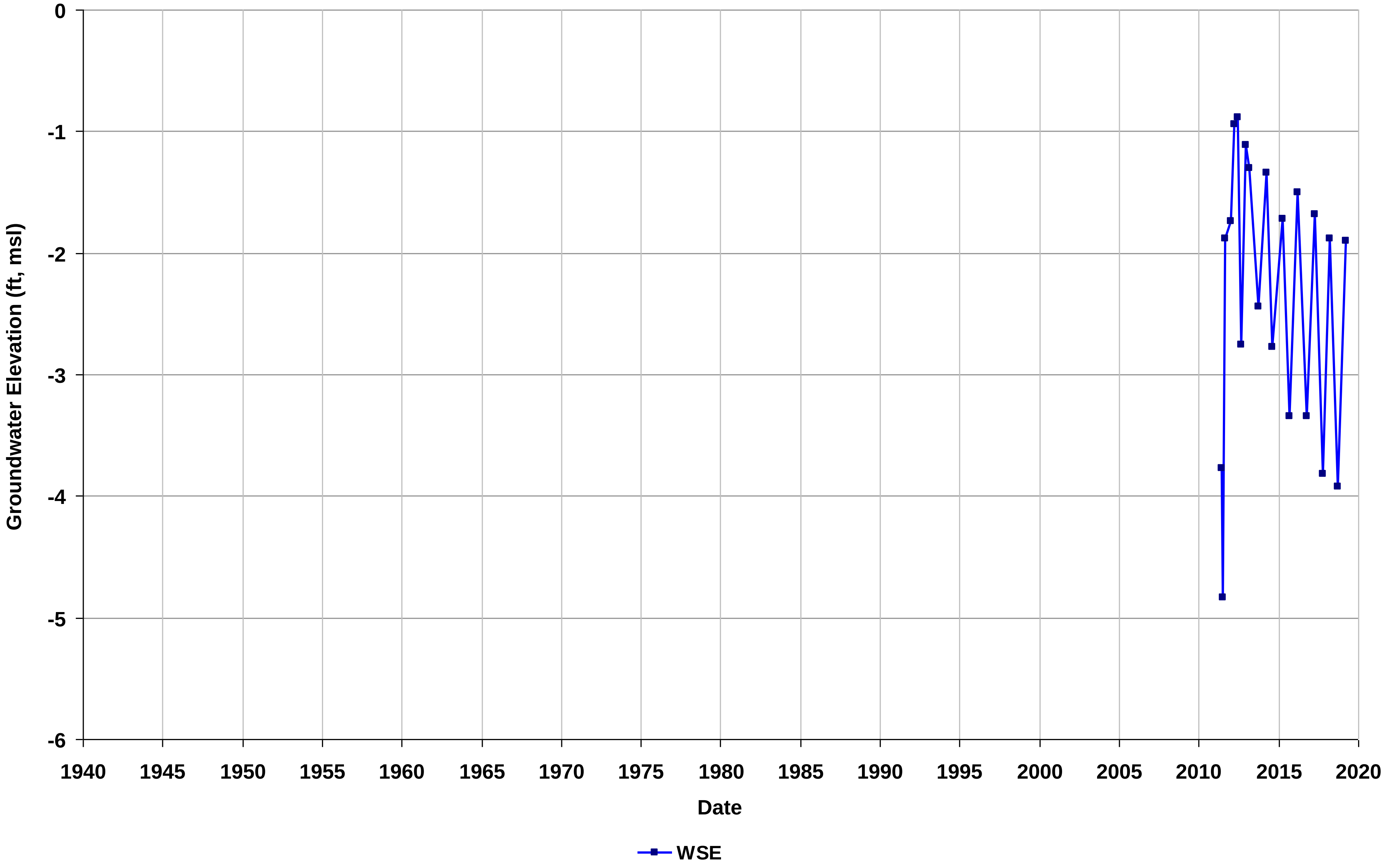
Well Name: SL0002020084-MW-11
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 11
Perf. Interval (ft bgs):
T/R/S: 02S/03W/29
Well Use: Observation



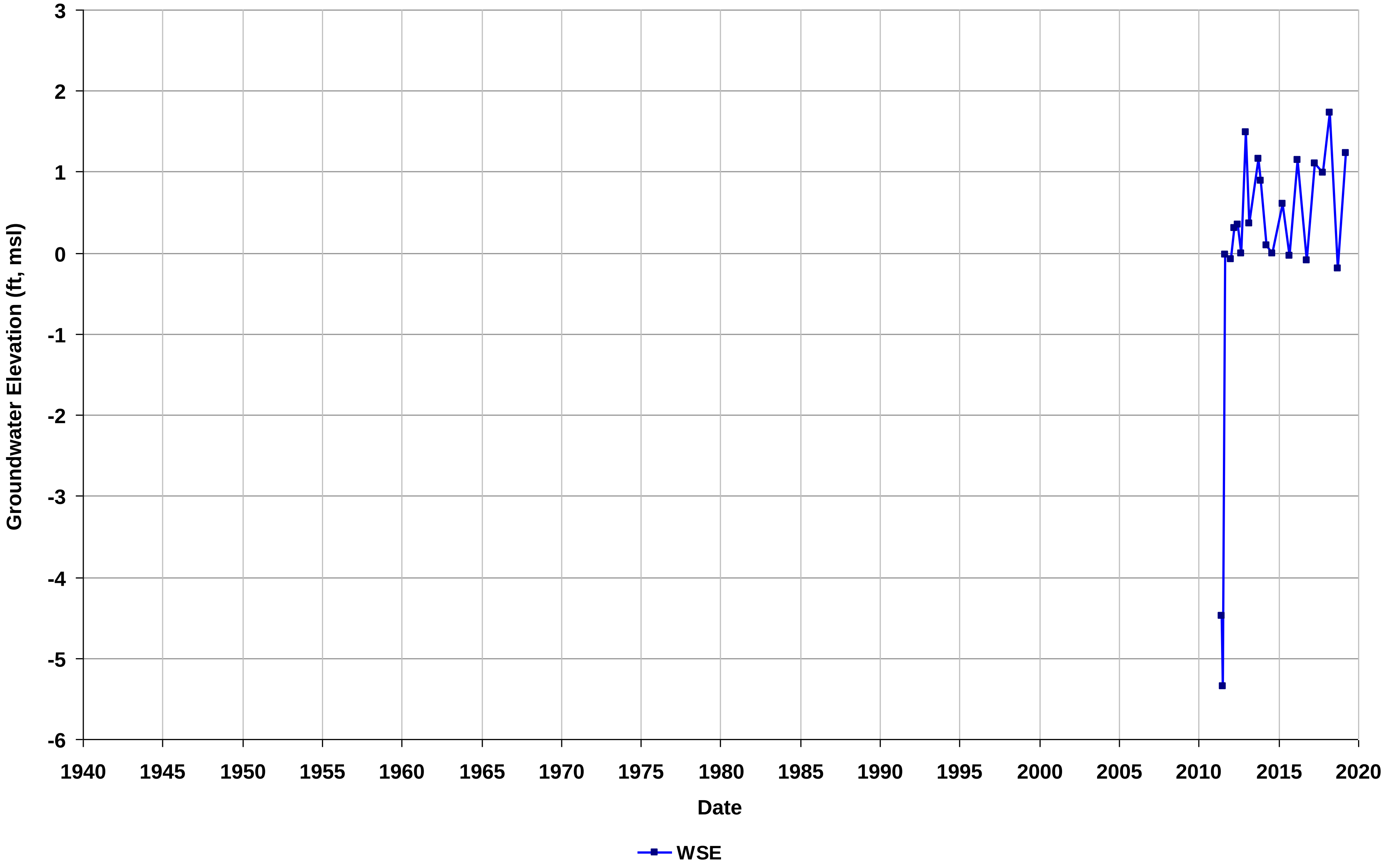
Well Name: SL0002020084-MW-12
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 11
Perf. Interval (ft bgs):
T/R/S: 02S/03W/29
Well Use: Observation



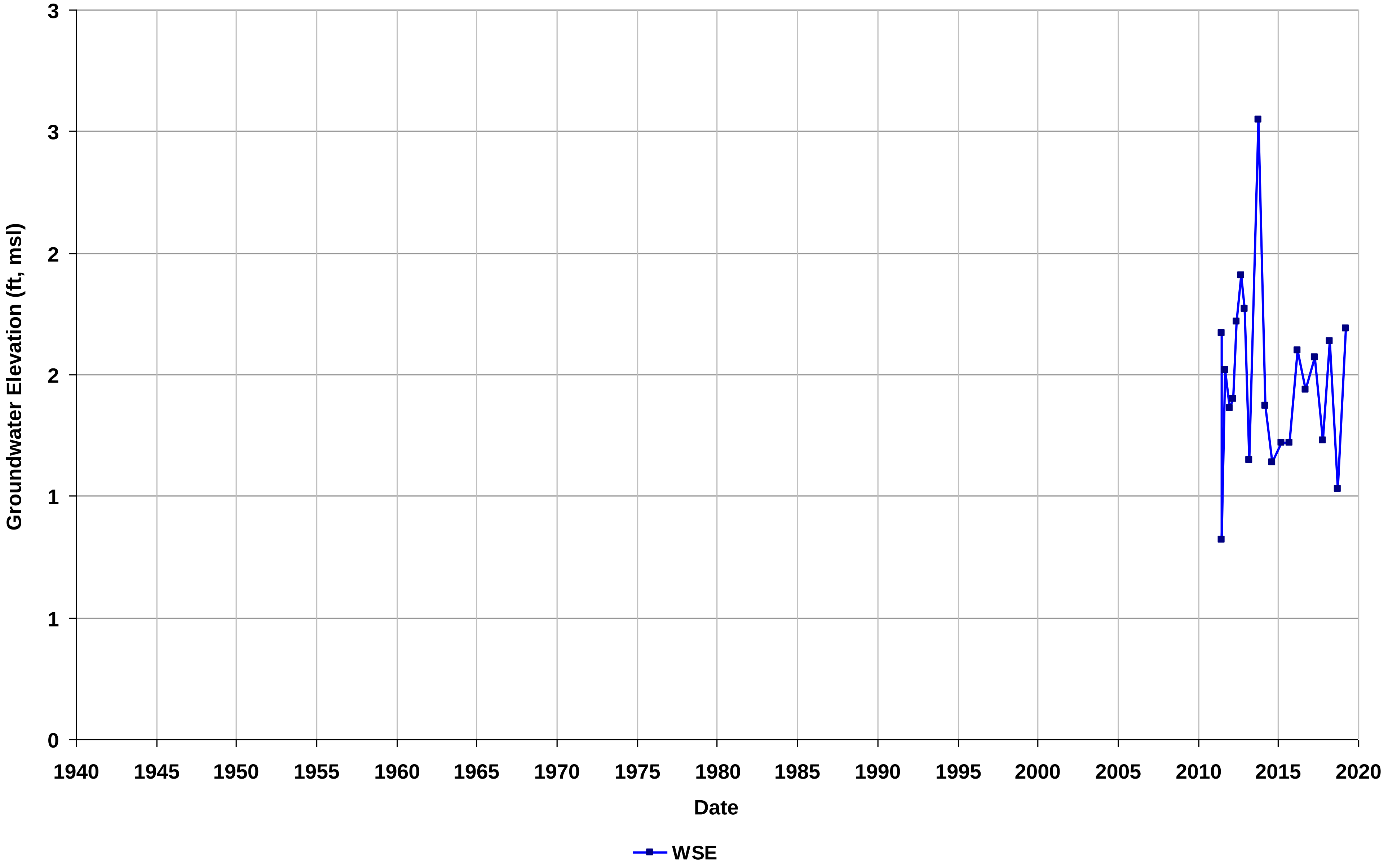
Well Name: SL0002020084-MW-13
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 11
Perf. Interval (ft bgs):
T/R/S: 02S/03W/29
Well Use: Observation



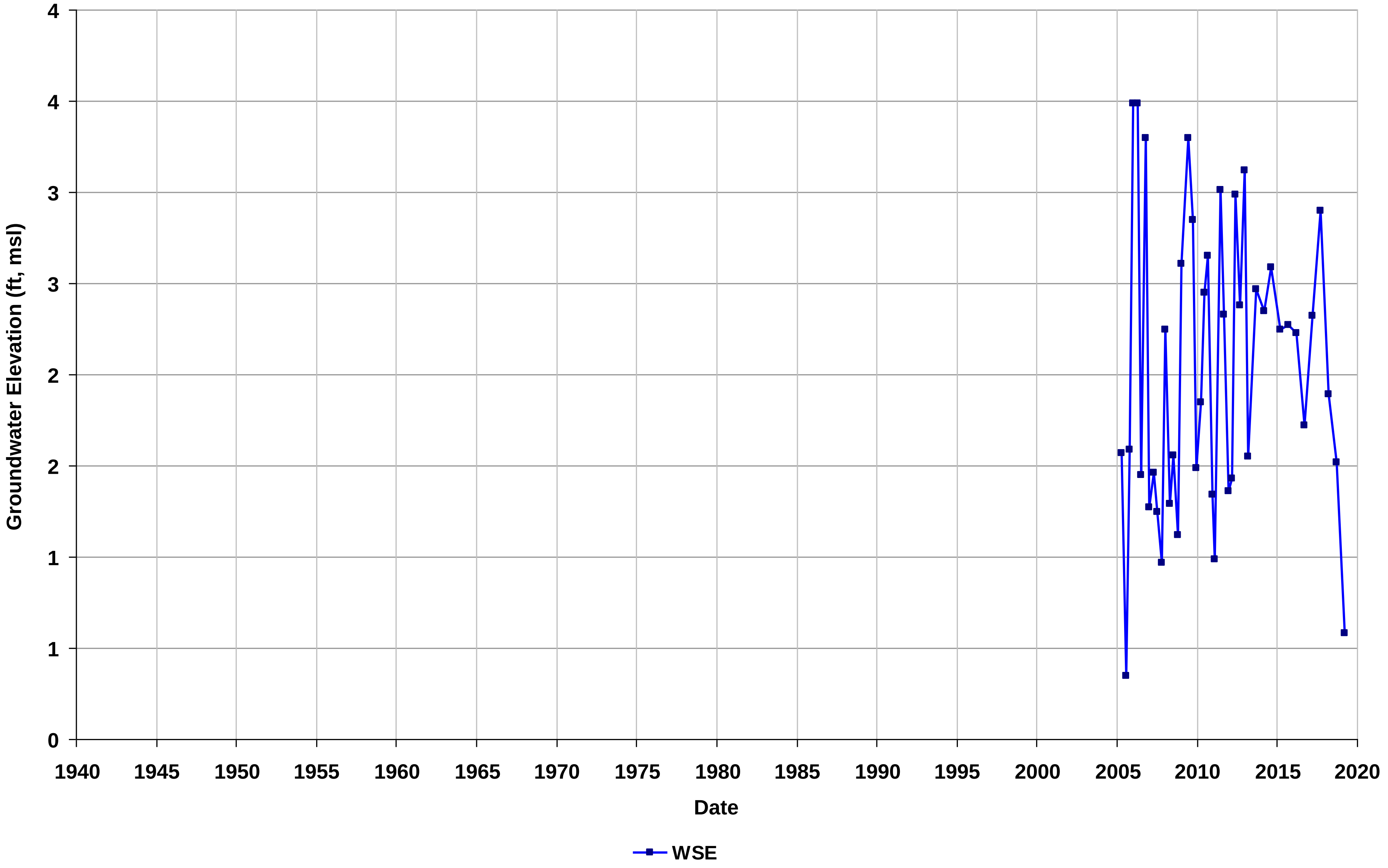
Well Name: SL0002020084-MW-14
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 11
Perf. Interval (ft bgs):
T/R/S: 02S/03W/29
Well Use: Observation



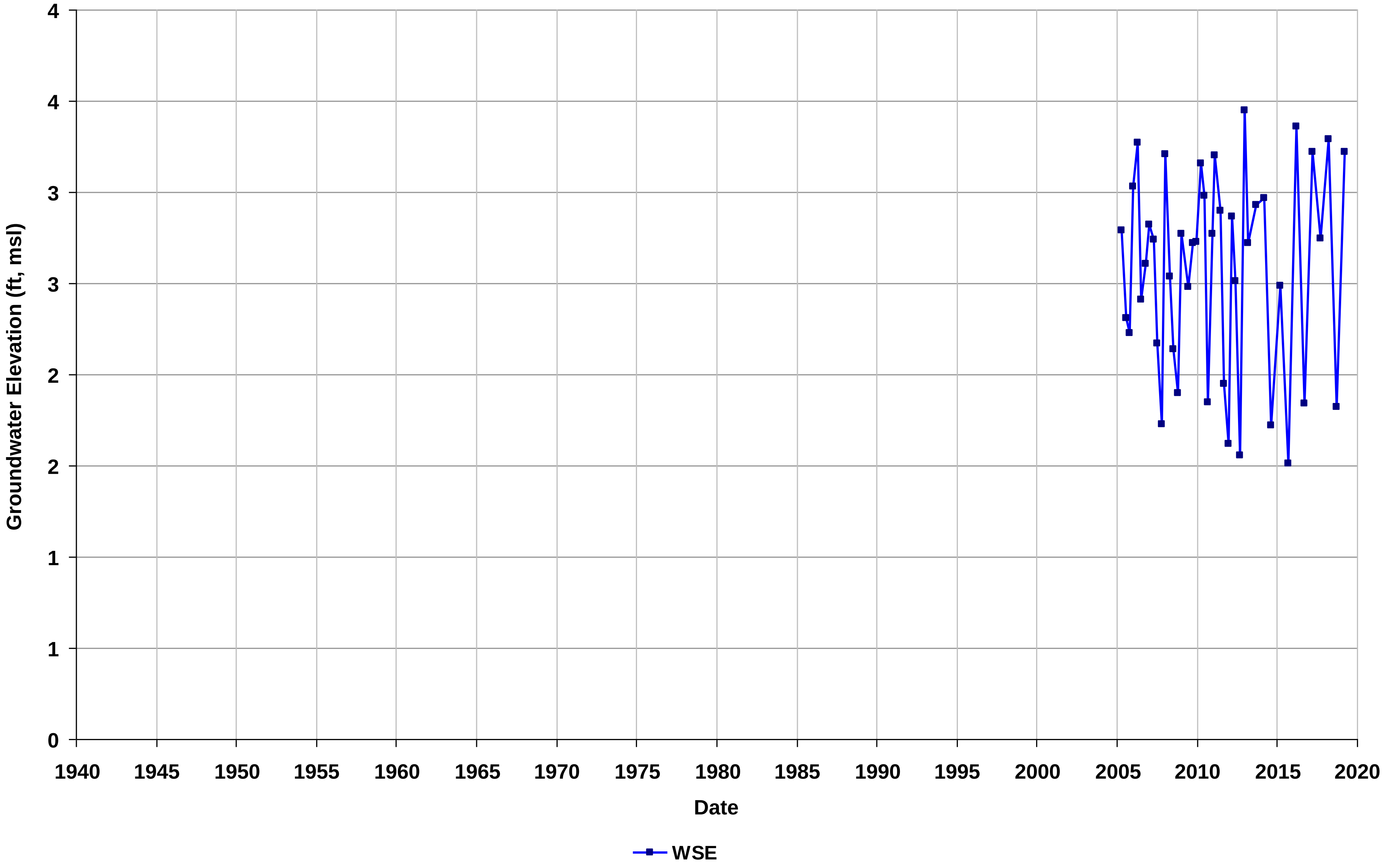
Well Name: SL0002020084-MW-2
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 13
Perf. Interval (ft bgs):
T/R/S: 02S/03W/29
Well Use: Observation



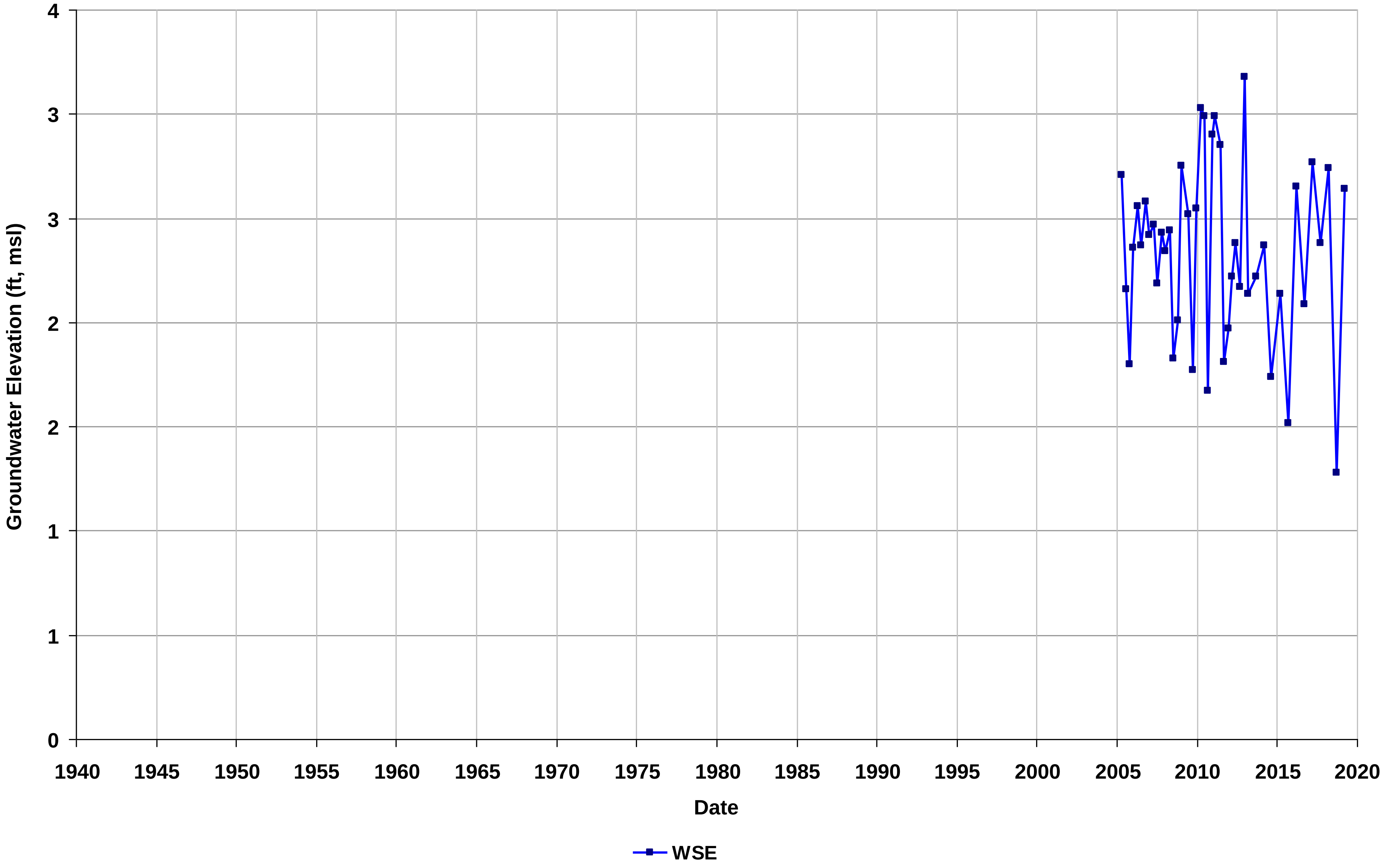
Well Name: SL0002020084-MW-4
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 14
Perf. Interval (ft bgs):
T/R/S: 02S/03W/29
Well Use: Observation



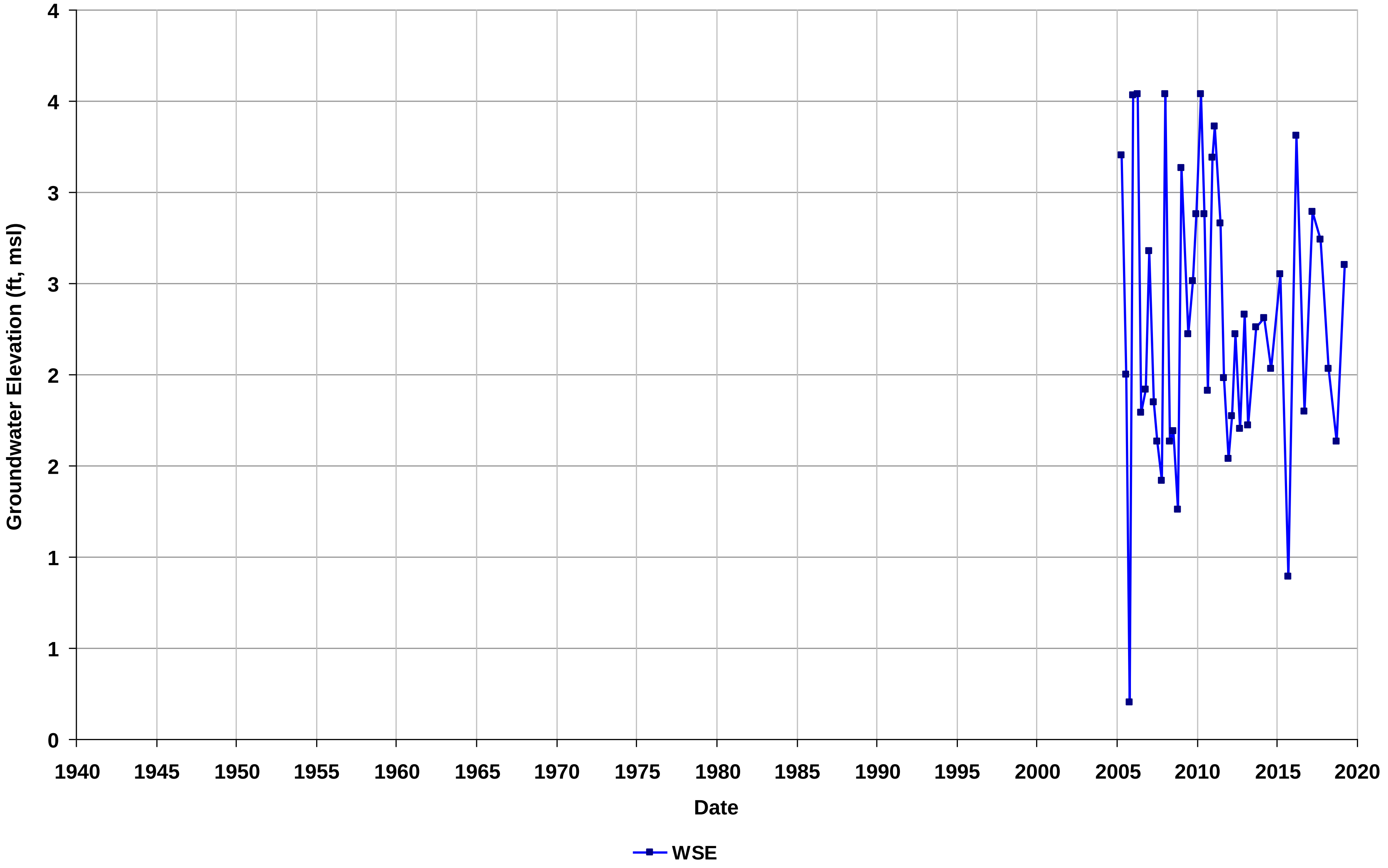
Well Name: SL0002020084-MW-5
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 13
Perf. Interval (ft bgs):
T/R/S: 02S/03W/29
Well Use: Observation



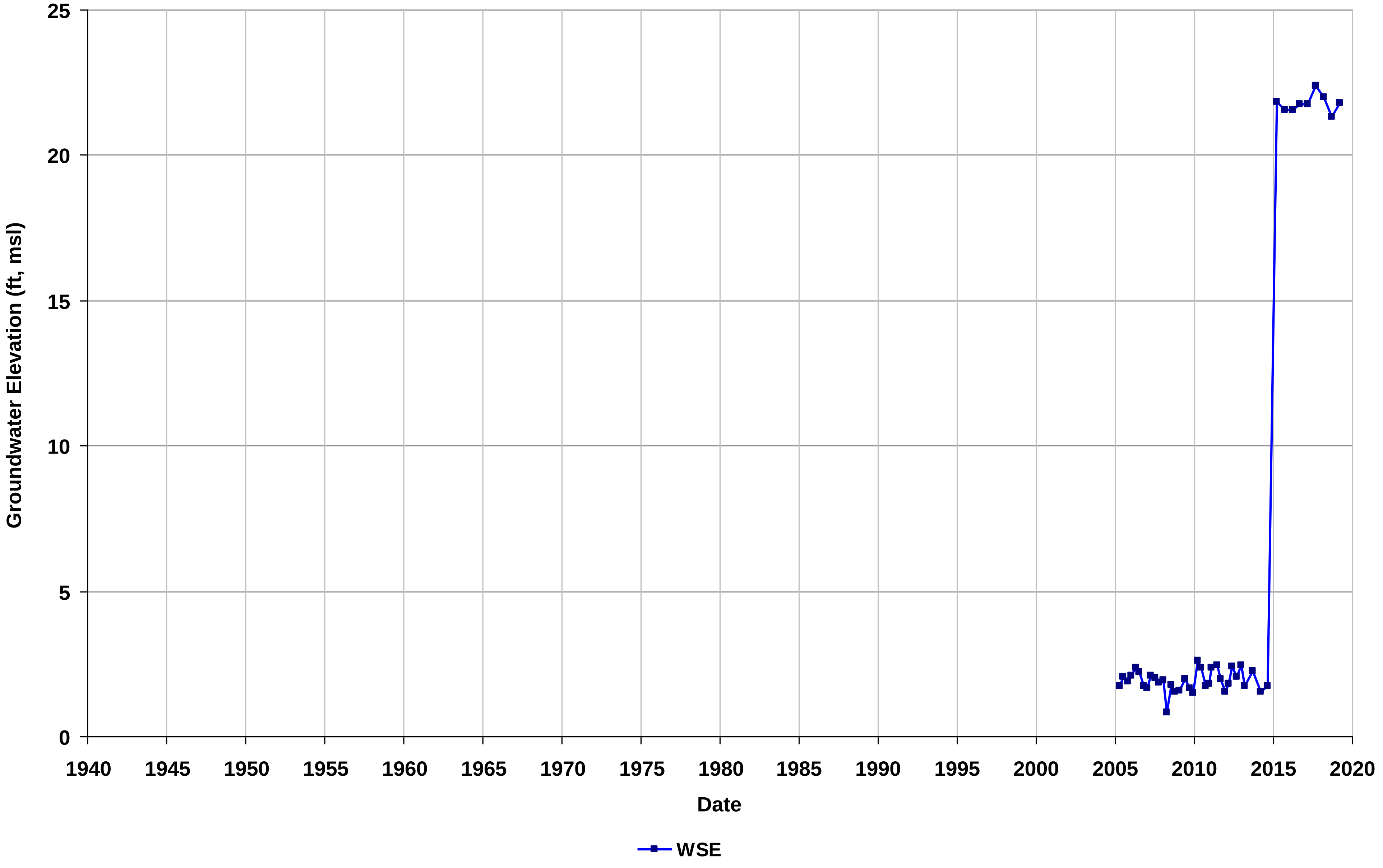
Well Name: SL0002020084-MW-6
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 14
Perf. Interval (ft bgs):
T/R/S: 02S/03W/29
Well Use: Observation



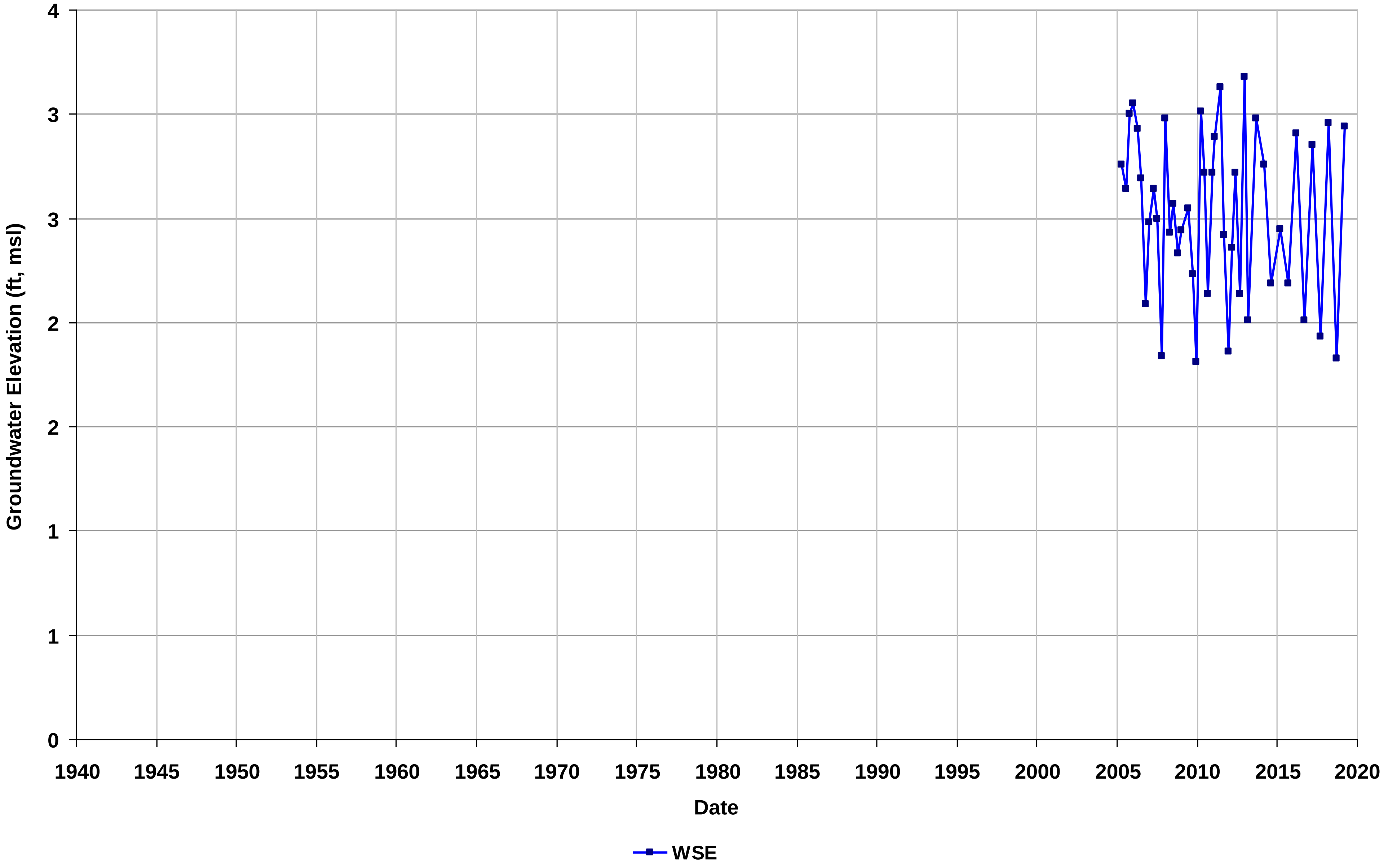
Well Name: SL0002020084-MW-7
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 14
Perf. Interval (ft bgs):
T/R/S: 02S/03W/29
Well Use: Observation



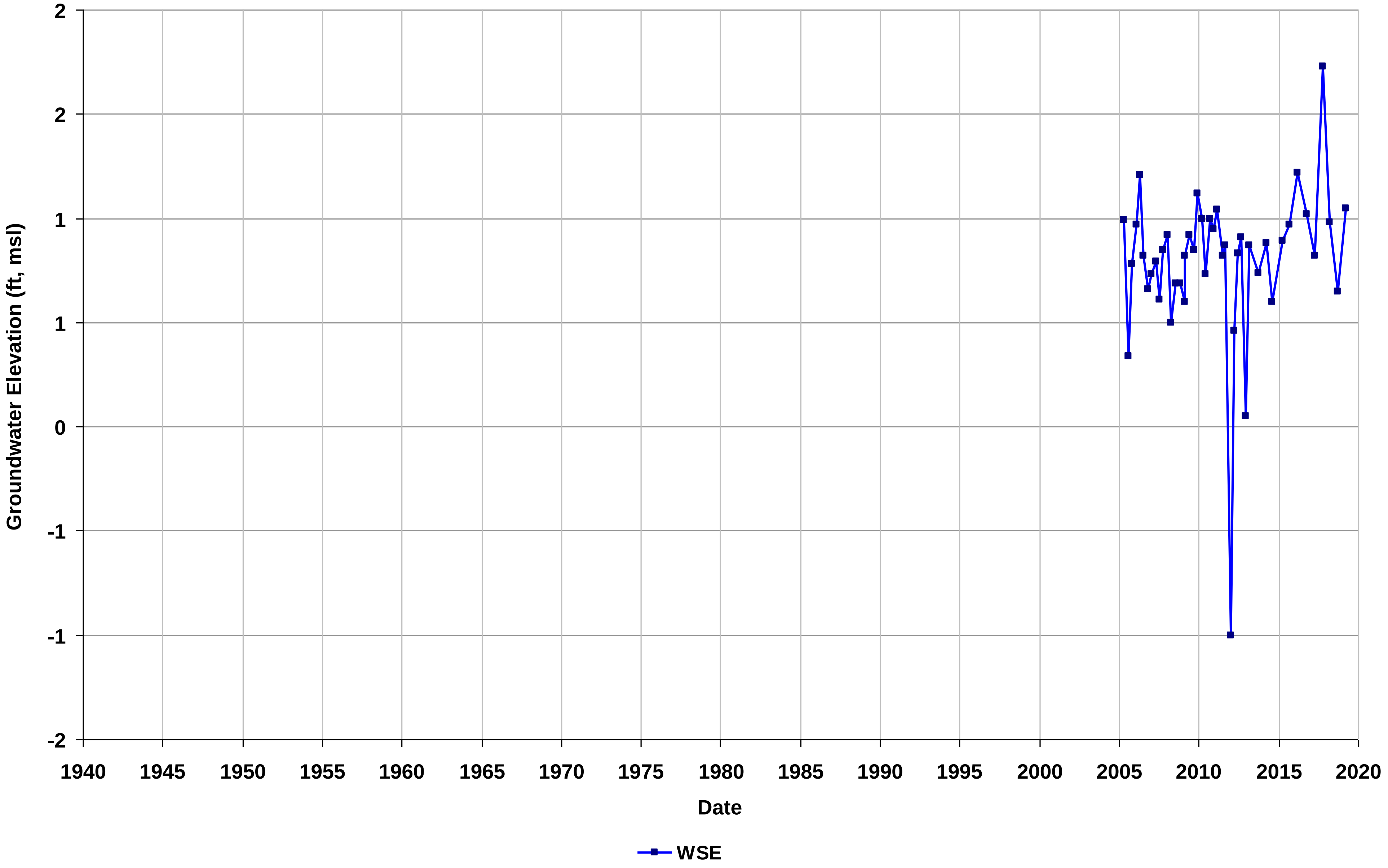
Well Name: SL0002020084-MW-8
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 11
Perf. Interval (ft bgs):
T/R/S: 02S/03W/29
Well Use: Observation



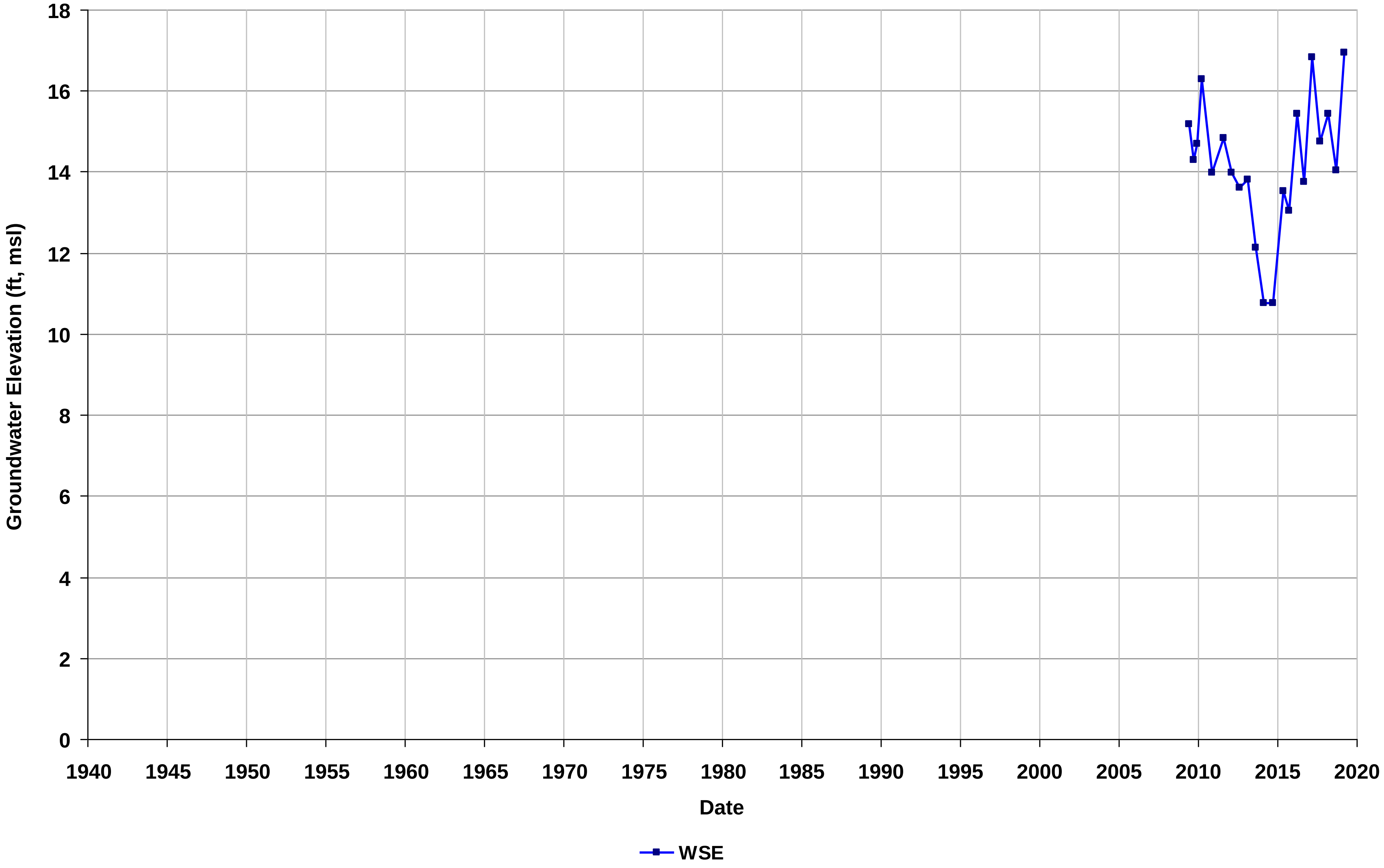
Well Name: SL0002020084-MW-9
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 13
Perf. Interval (ft bgs):
T/R/S: 02S/03W/29
Well Use: Observation



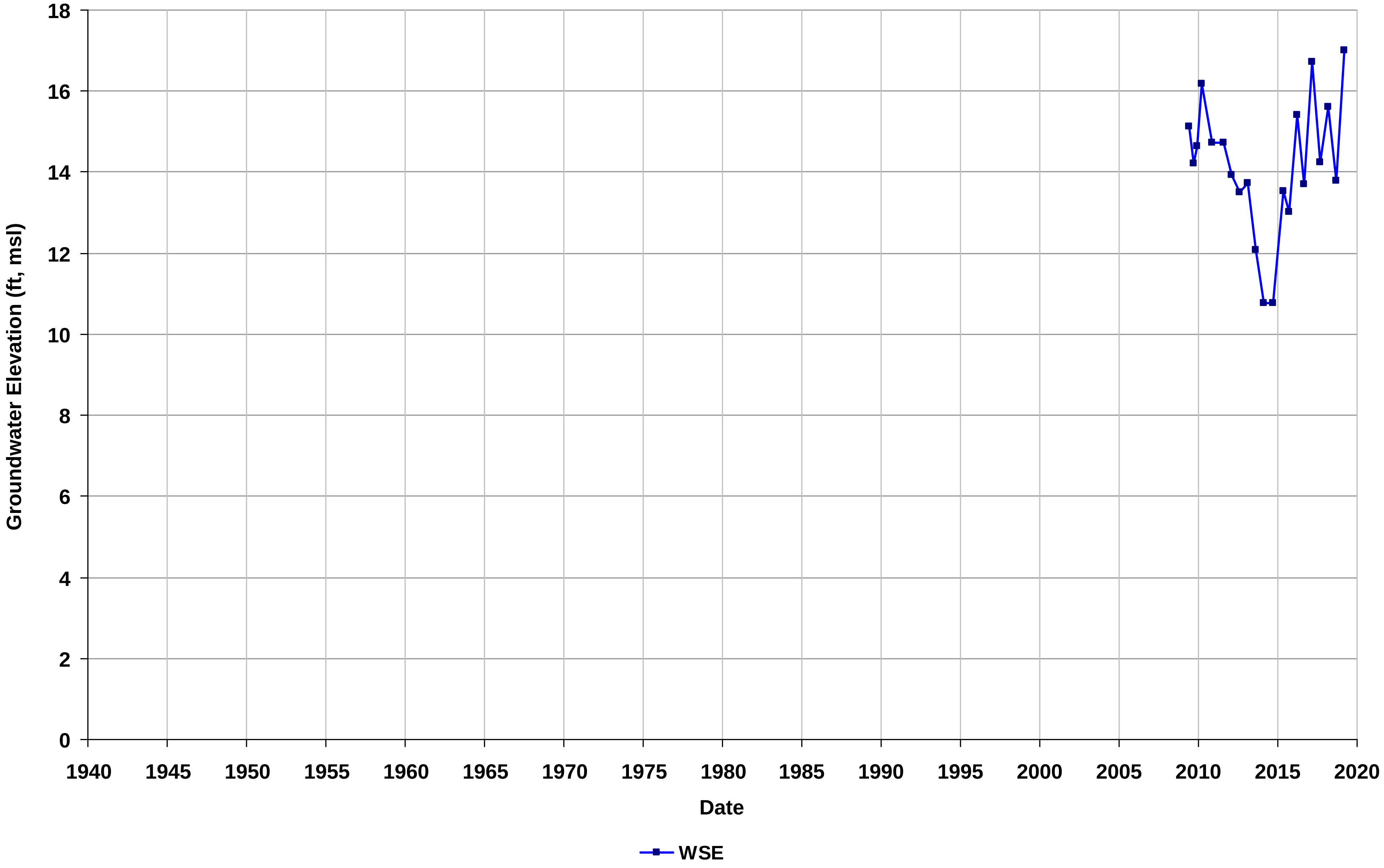
Well Name: SL0600104387-MW-1
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 9-19
T/R/S: n/a
Well Use: Observation



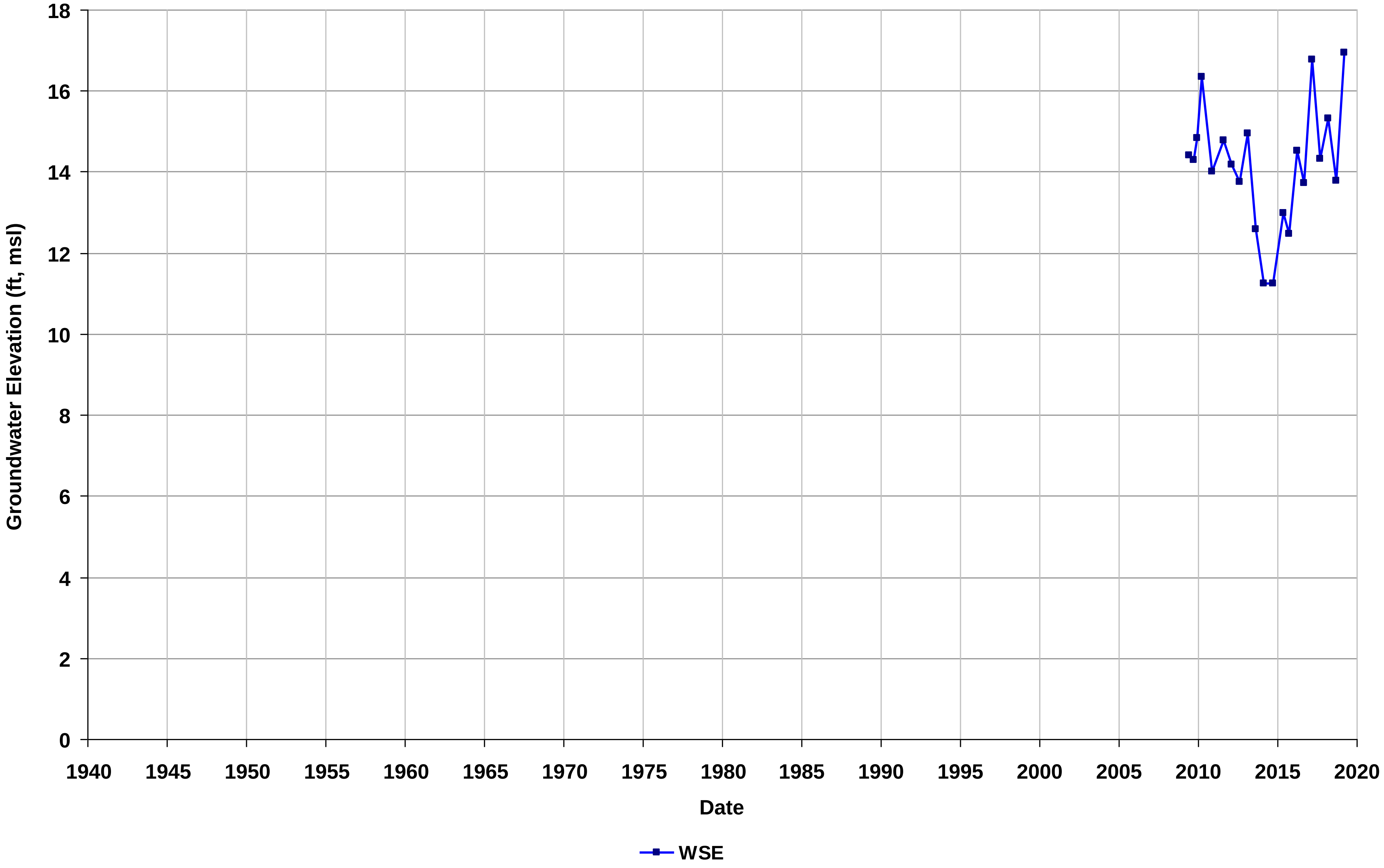
Well Name: SL0600104387-MW-2
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 9-19
T/R/S: n/a
Well Use: Observation



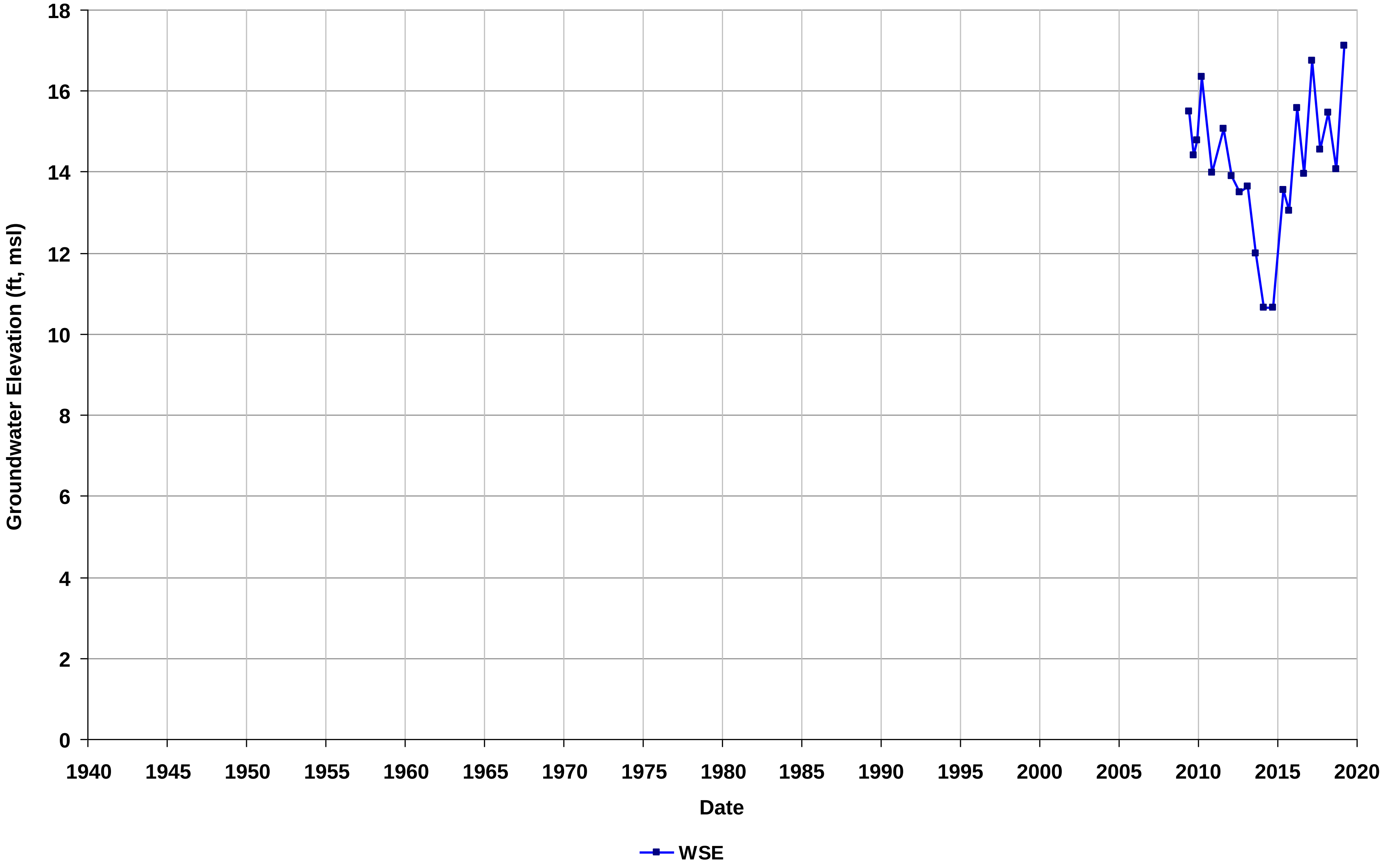
Well Name: SL0600104387-MW-3
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 9-19
T/R/S: n/a
Well Use: Observation



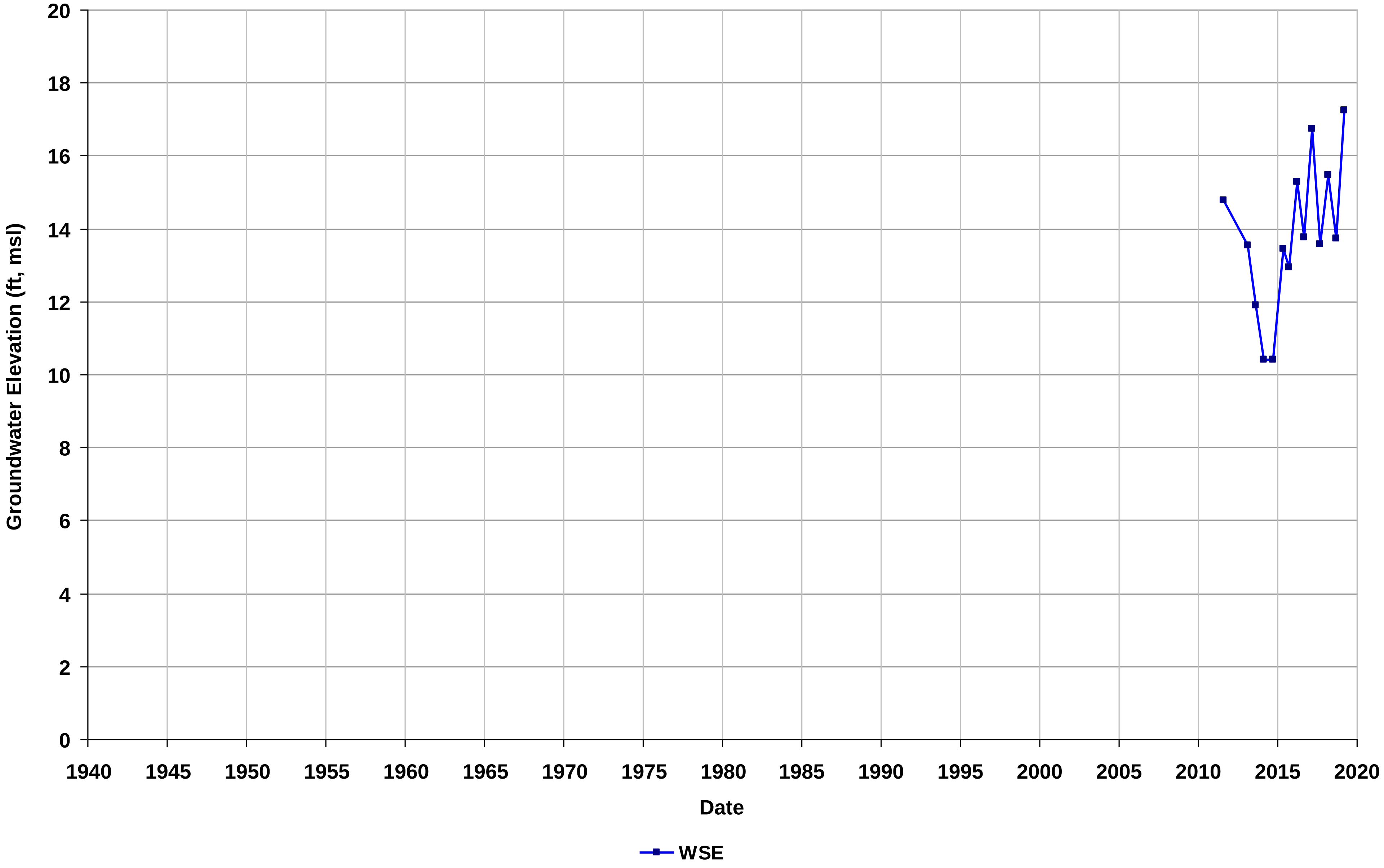
Well Name: SL0600104387-MW-4
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 9-19
T/R/S: n/a
Well Use: Observation



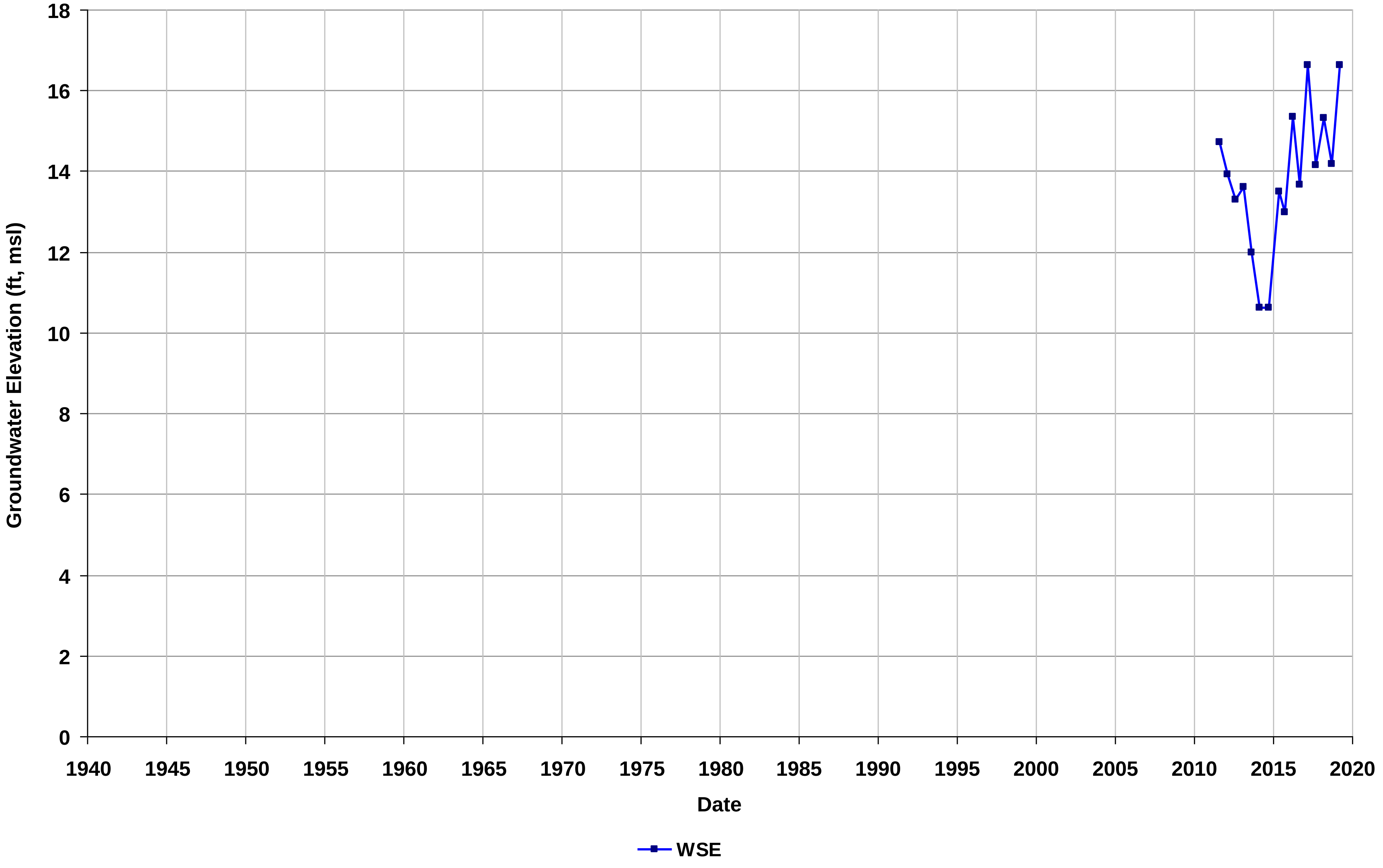
Well Name: SL0600104387-MW-5
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 9-19
T/R/S: n/a
Well Use: Observation



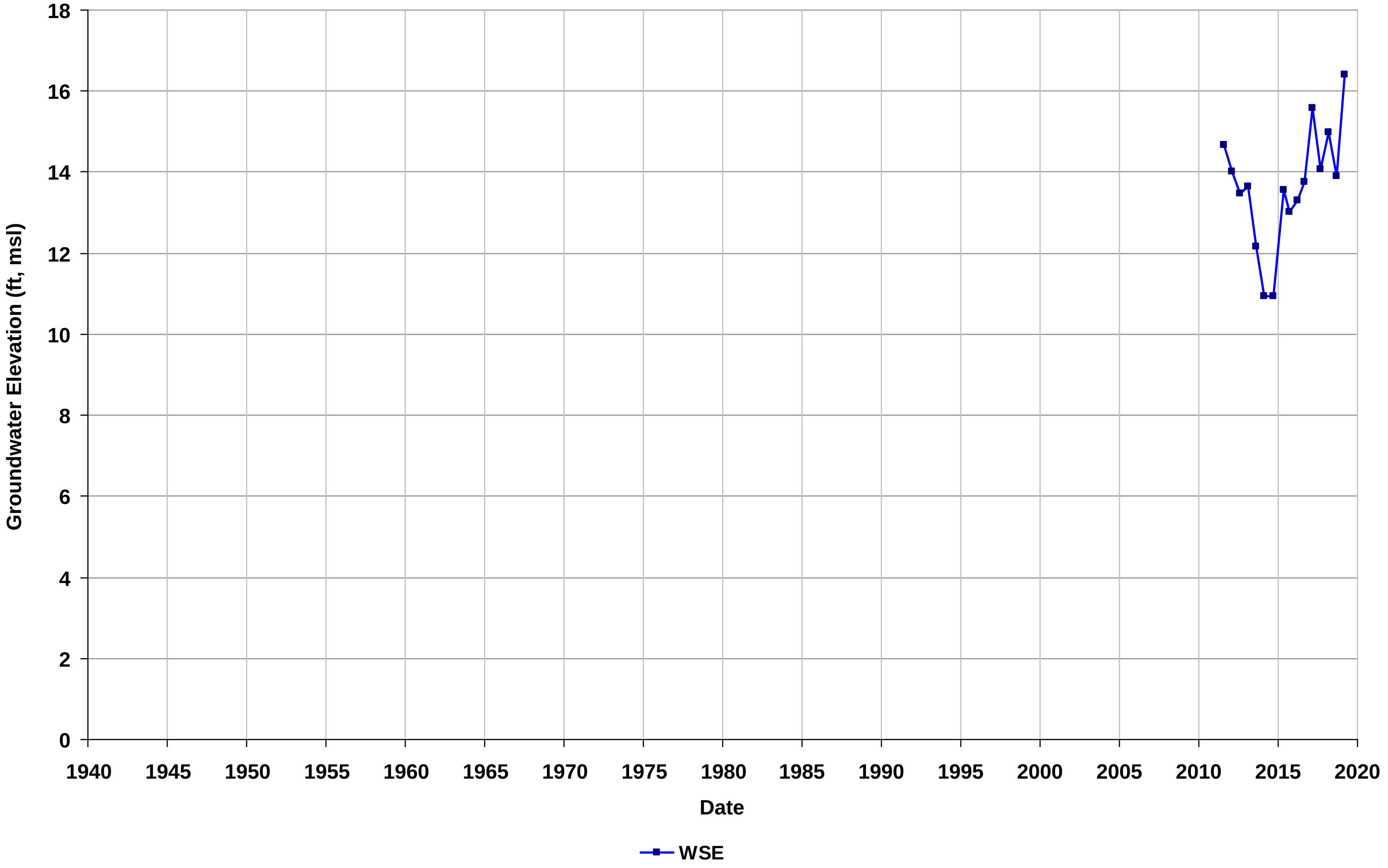
Well Name: SL0600104387-MW-6
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 9-19
T/R/S: n/a
Well Use: Observation



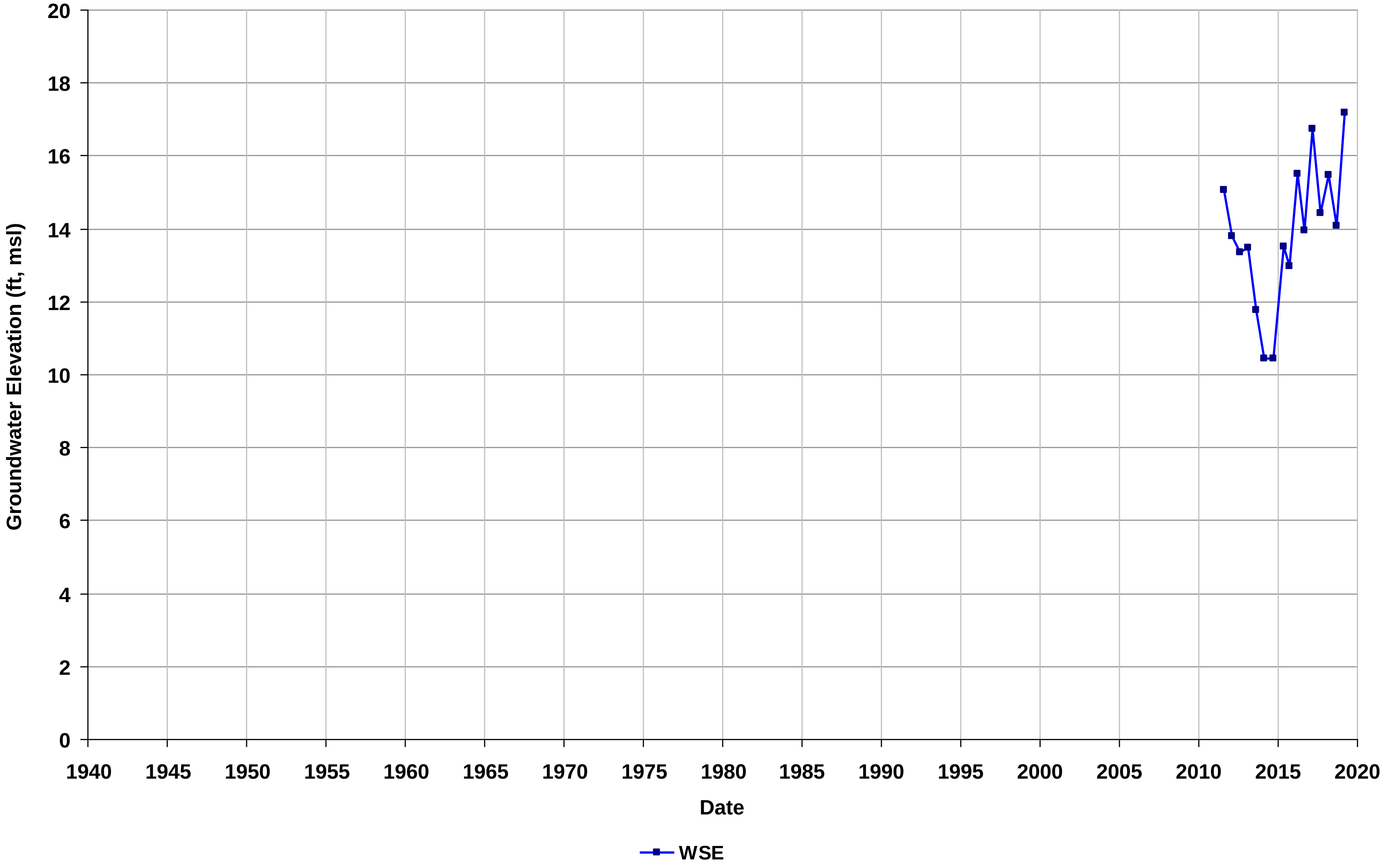
Well Name: SL0600104387-MW-7
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 9-19
T/R/S: n/a
Well Use: Observation



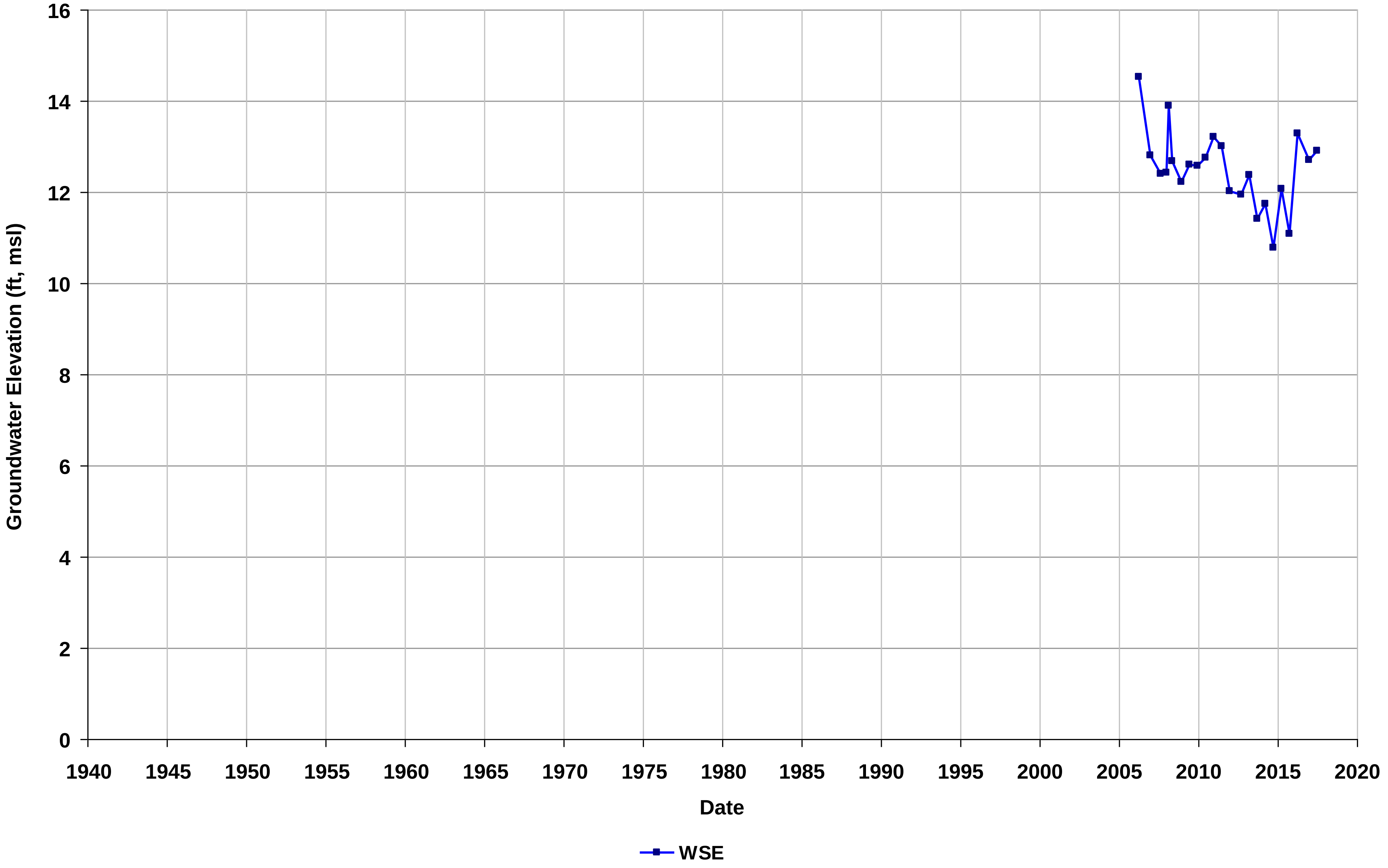
Well Name: SL0600104387-MW-8
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 9-19
T/R/S: n/a
Well Use: Observation



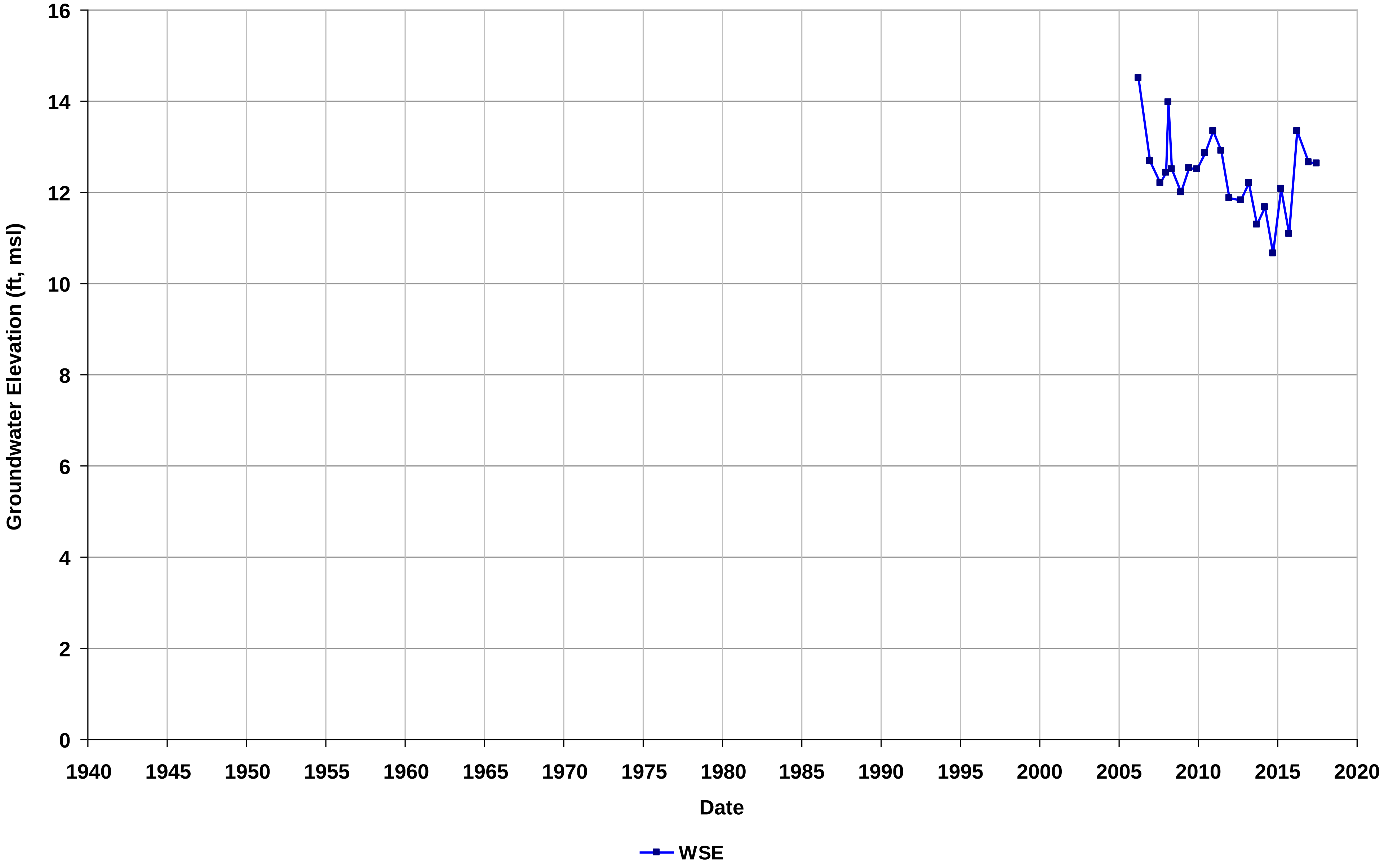
Well Name: SL0600113744-MW-1
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-20
T/R/S: n/a
Well Use: Observation



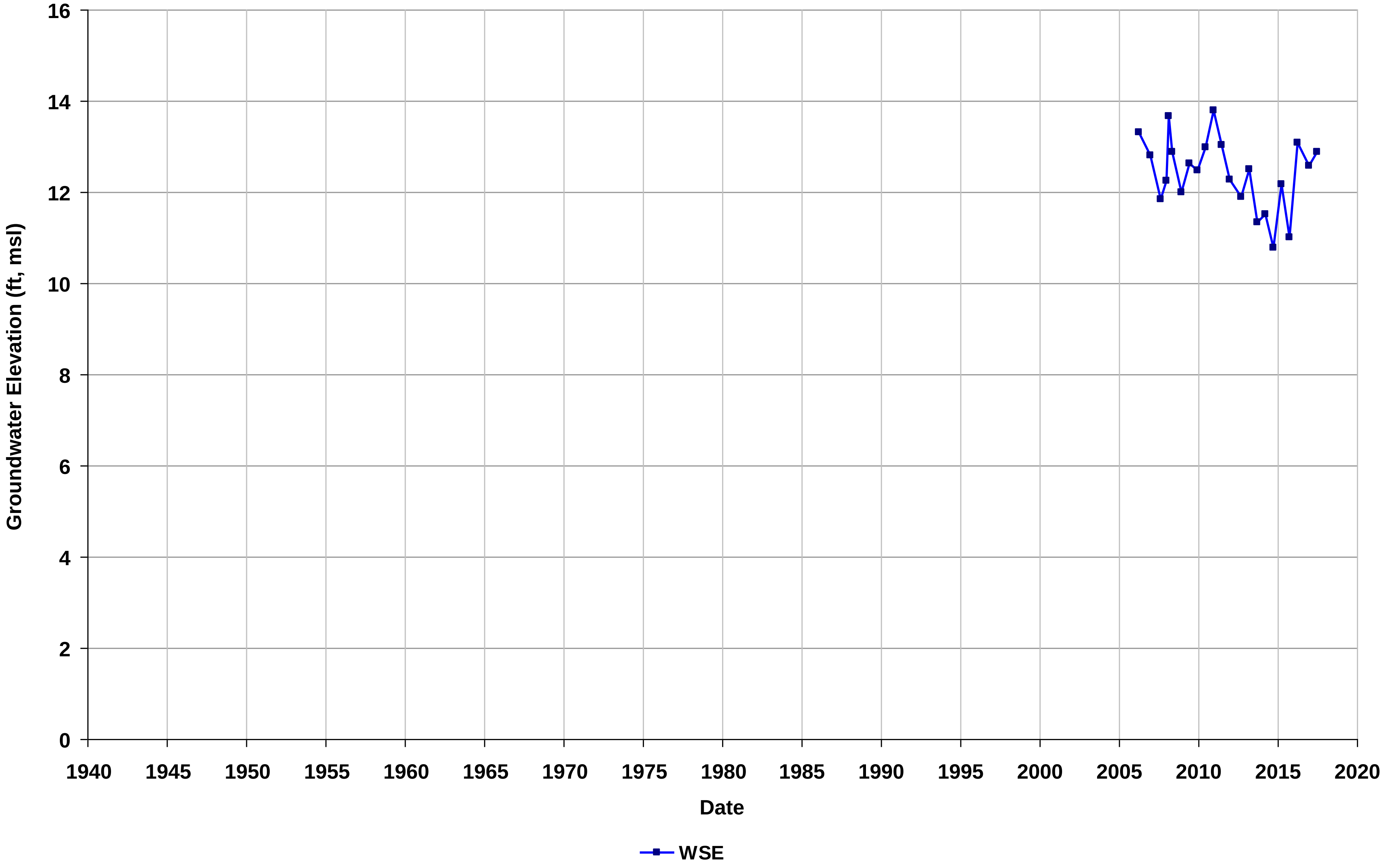
Well Name: SL0600113744-MW-2
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-20
T/R/S: n/a
Well Use: Observation



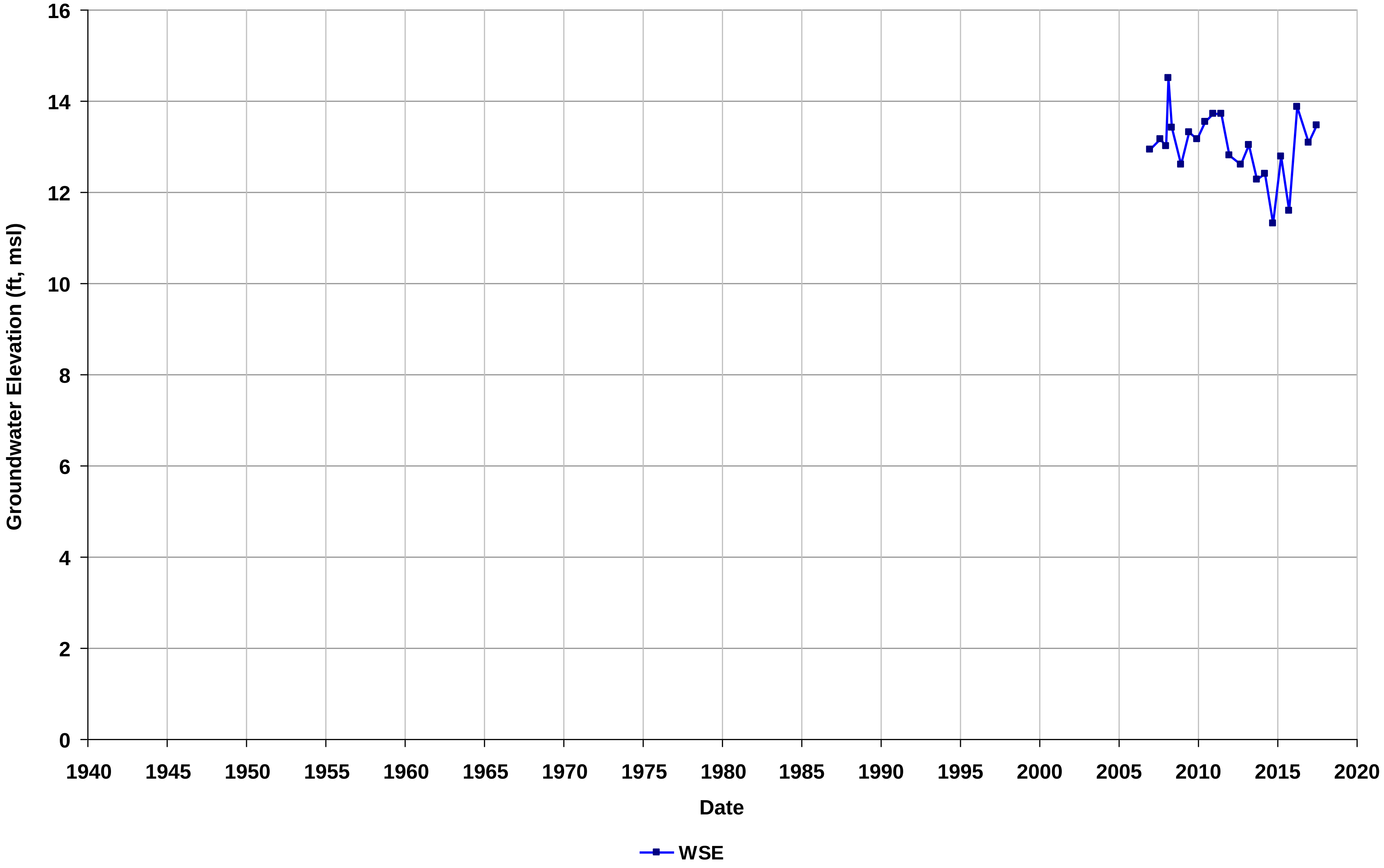
Well Name: SL0600113744-MW-3
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-19
T/R/S: n/a
Well Use: Observation



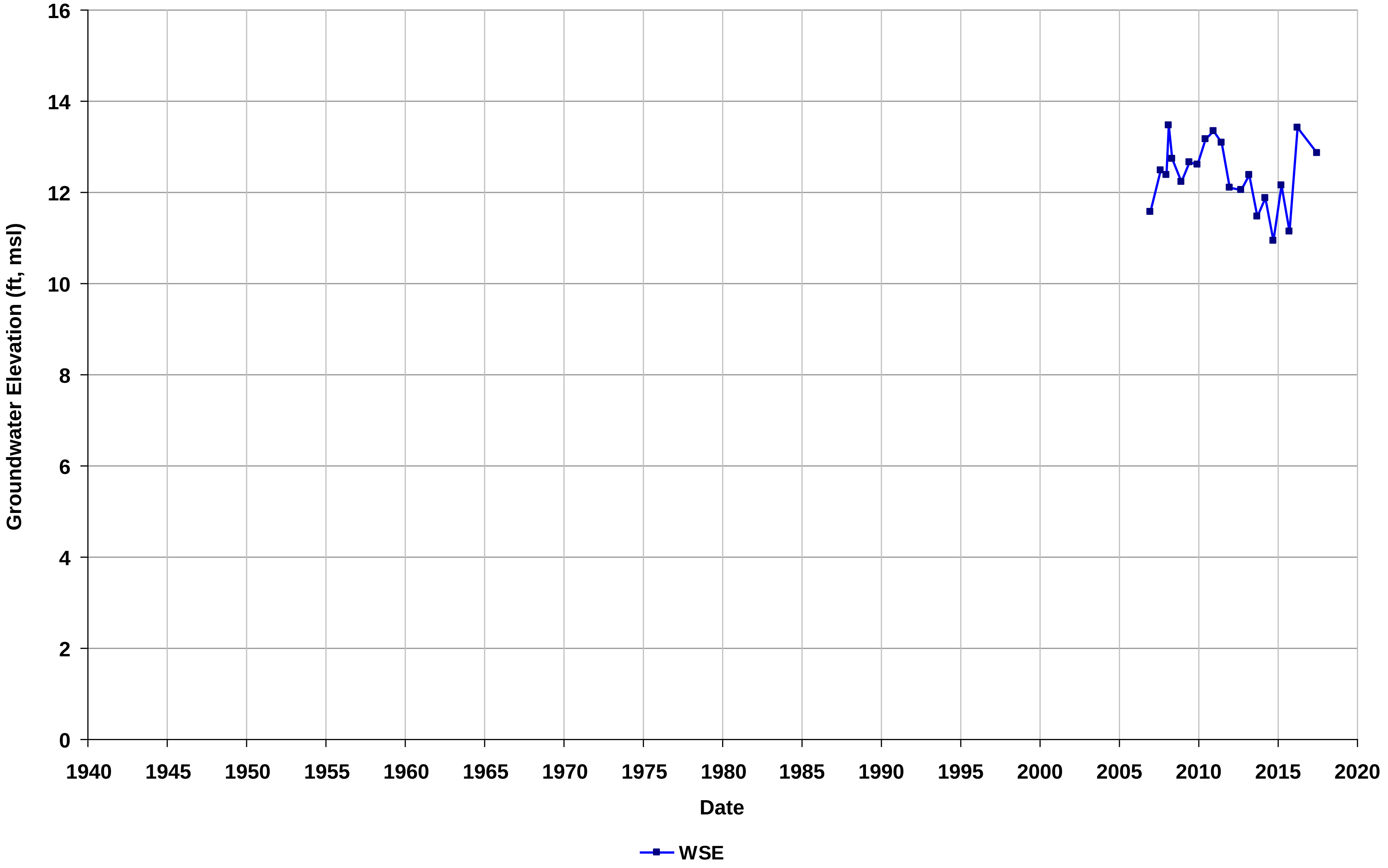
Well Name: SL0600113744-MW-4
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 6-16
T/R/S: n/a
Well Use: Observation



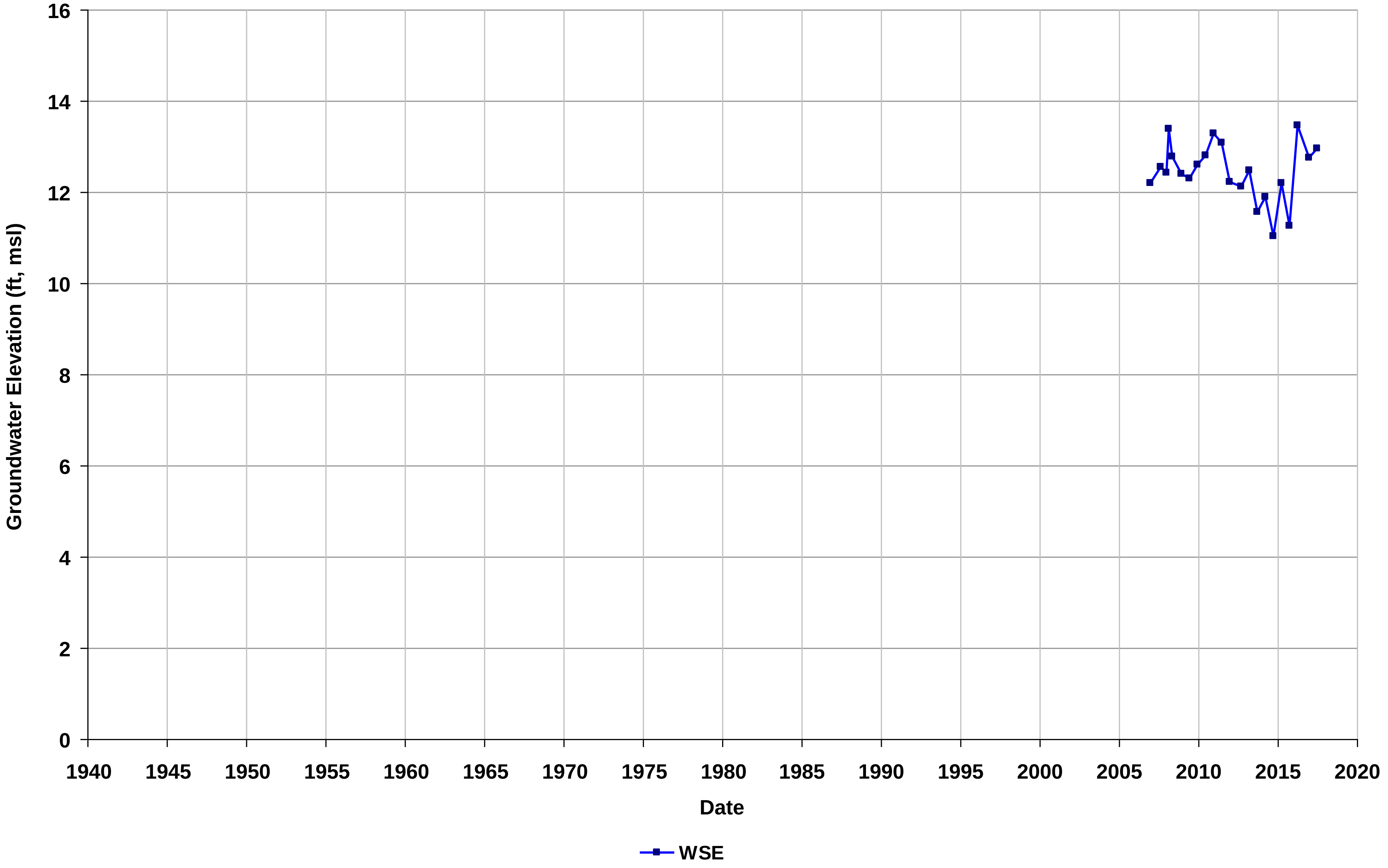
Well Name: SL0600113744-MW-5
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 7-17
T/R/S: n/a
Well Use: Observation



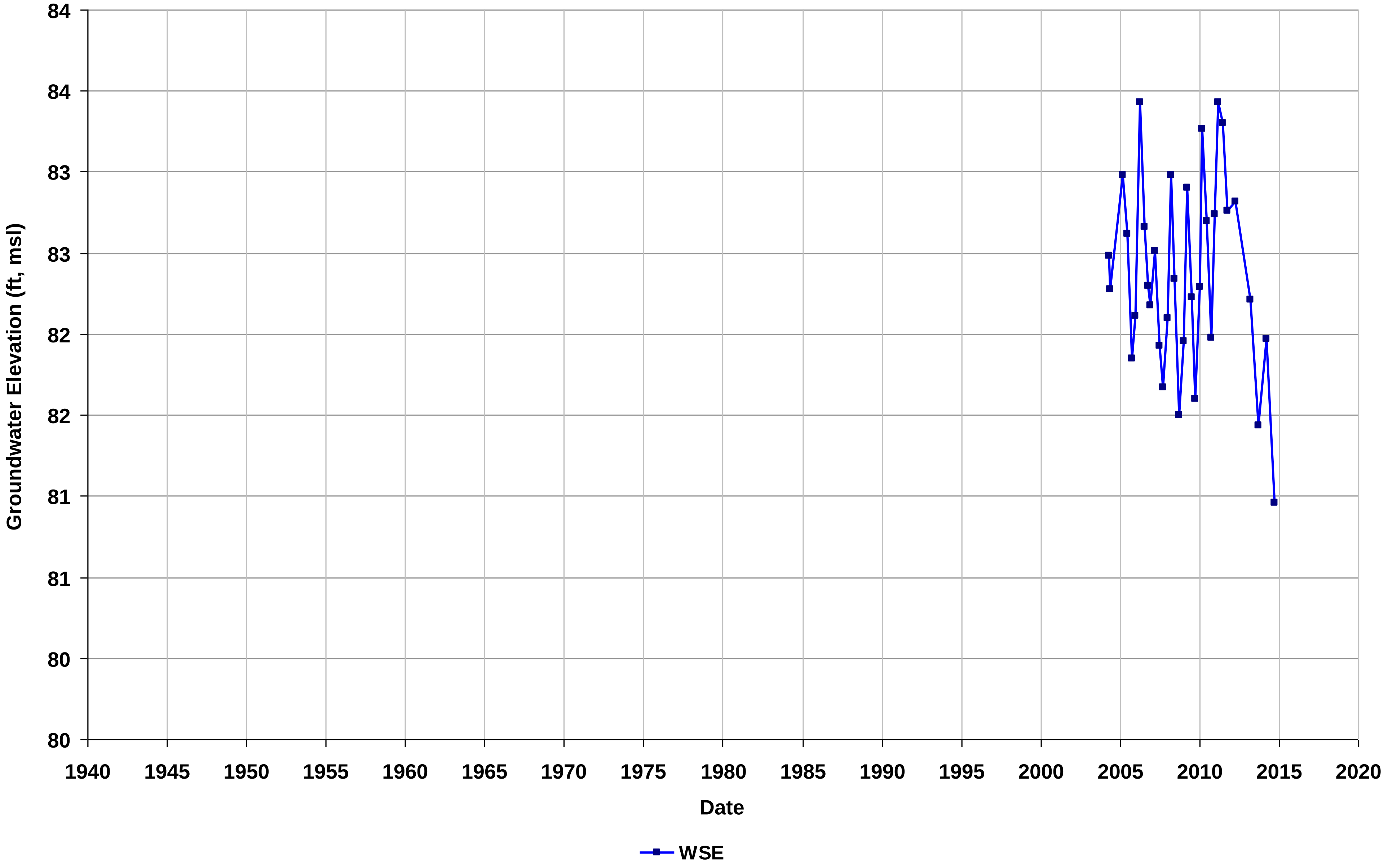
Well Name: SL0600113744-MW-6
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 8-18
T/R/S: n/a
Well Use: Observation



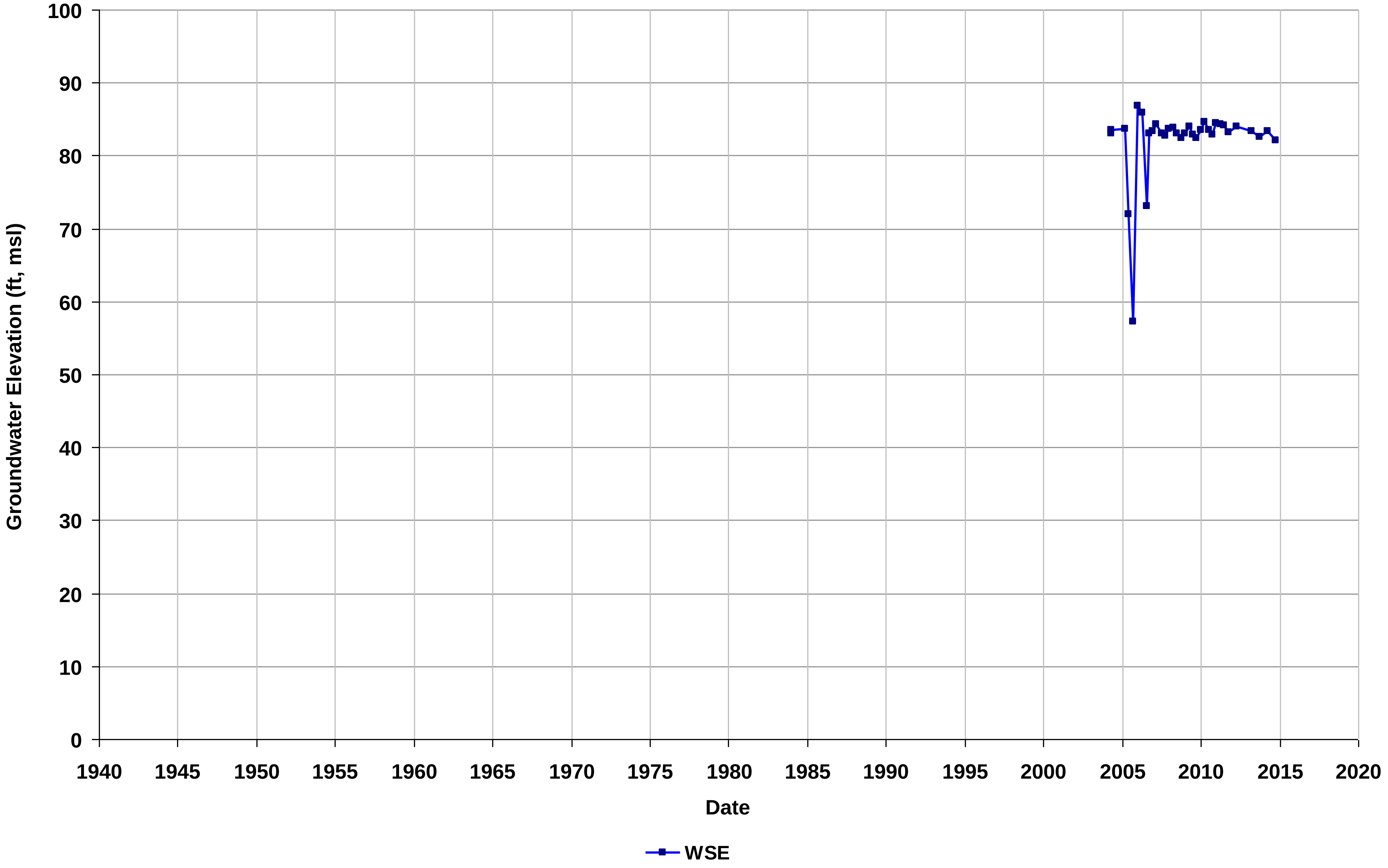
Well Name: SL0600114143-MW-C1
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 7.9-16
T/R/S: 02S/03W/34
Well Use: Observation



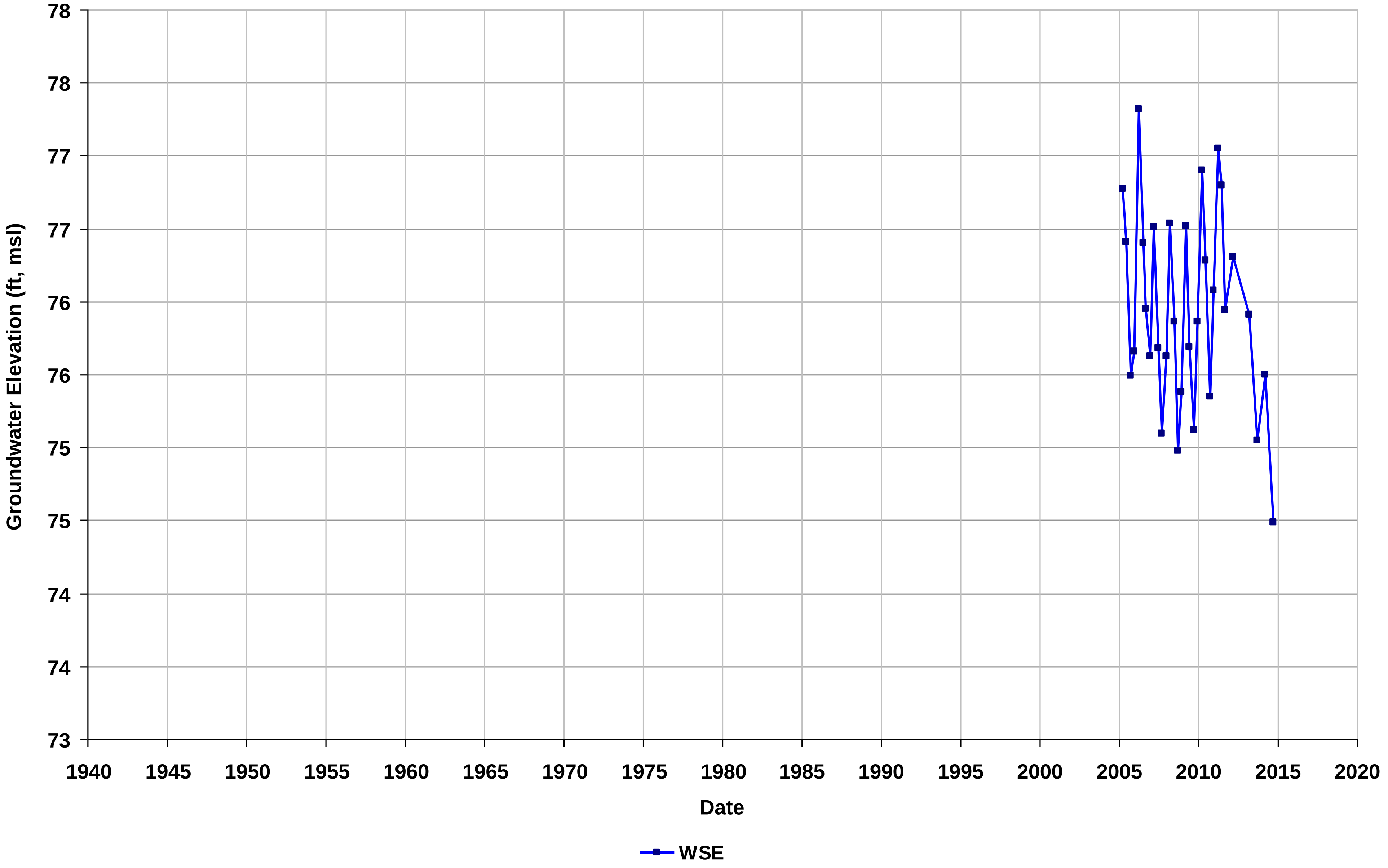
Well Name: SL0600114143-MW-C2
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5.9-13
T/R/S: 02S/03W/34
Well Use: Observation



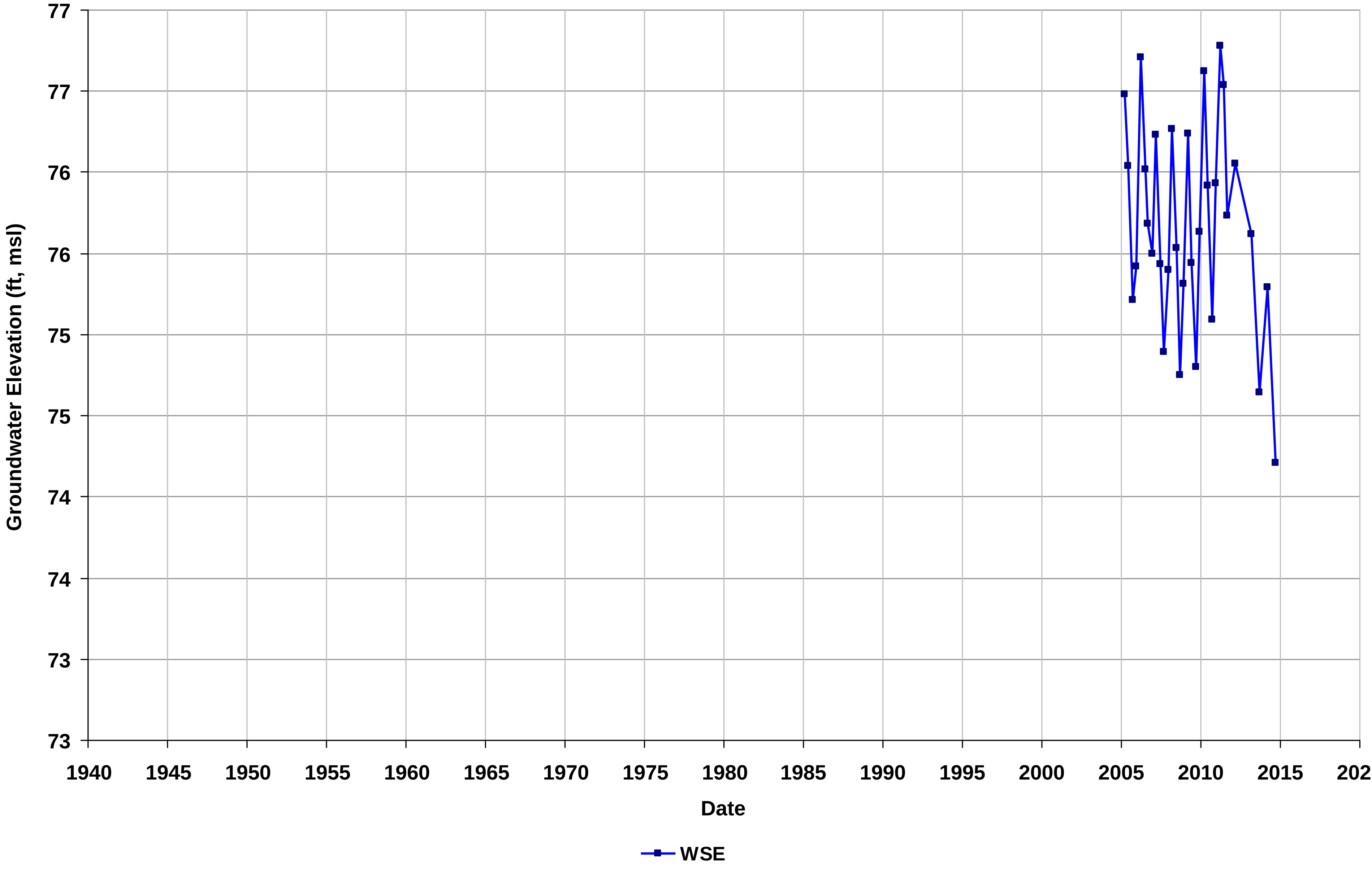
Well Name: SL0600114143-MW-D1
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 7.9-16
T/R/S: 02S/03W/34
Well Use: Observation



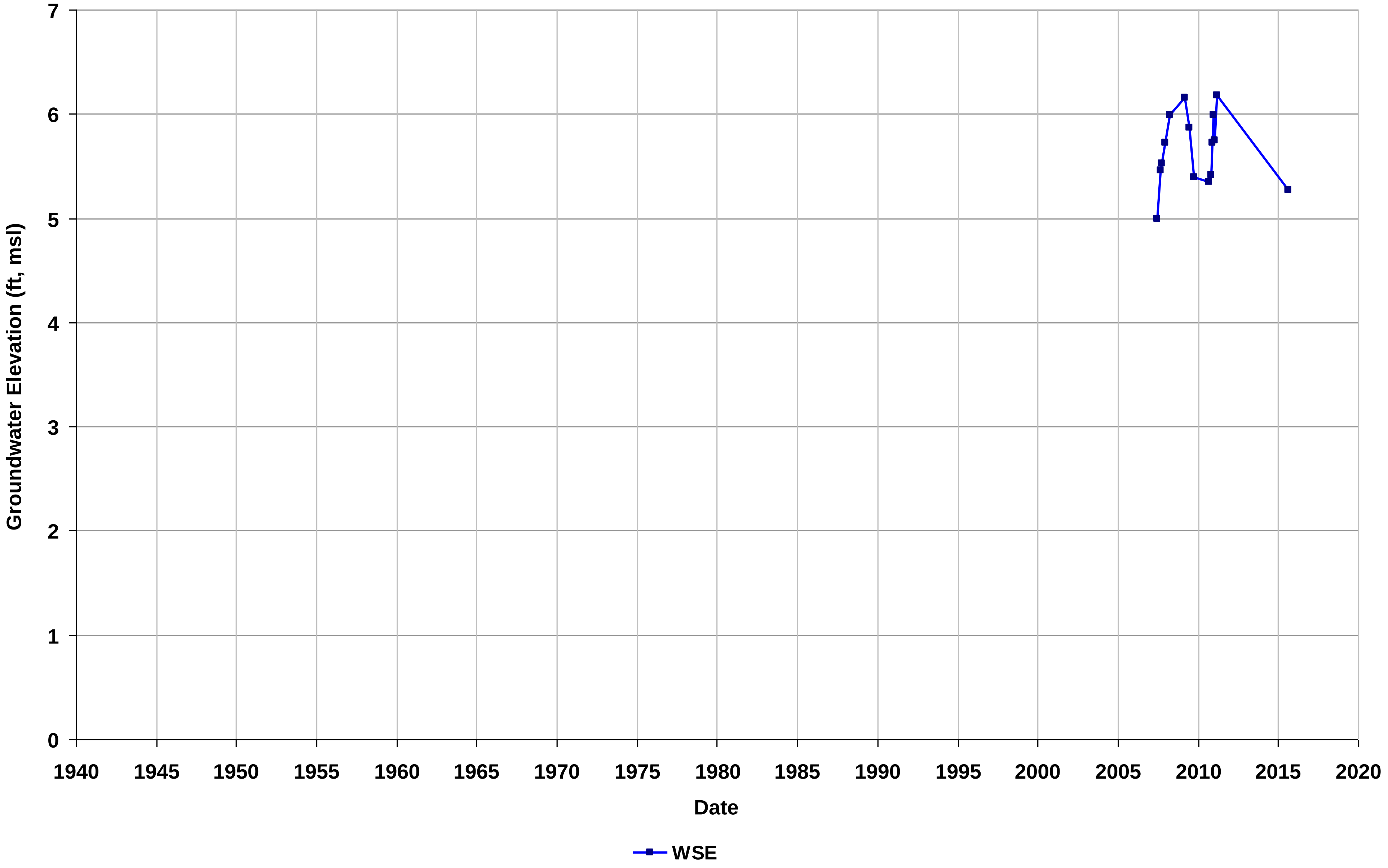
Well Name: SL0600114143-MW-E1
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 6.9-16
T/R/S: 02S/03W/34
Well Use: Observation



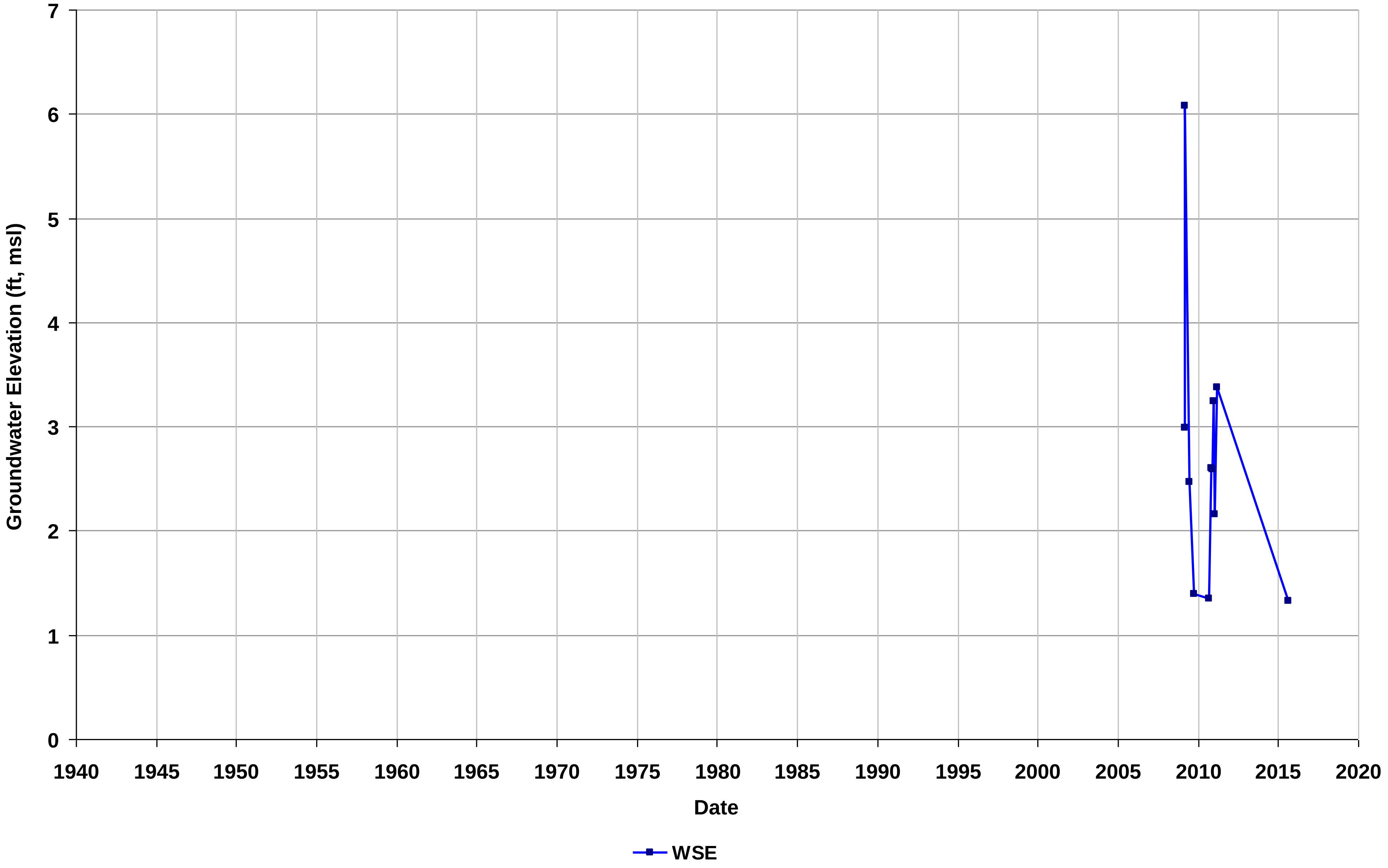
Well Name: SL0600117897-STMW-1
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 15
Perf. Interval (ft bgs): 5-15
T/R/S: 01S/04W/27
Well Use: Observation



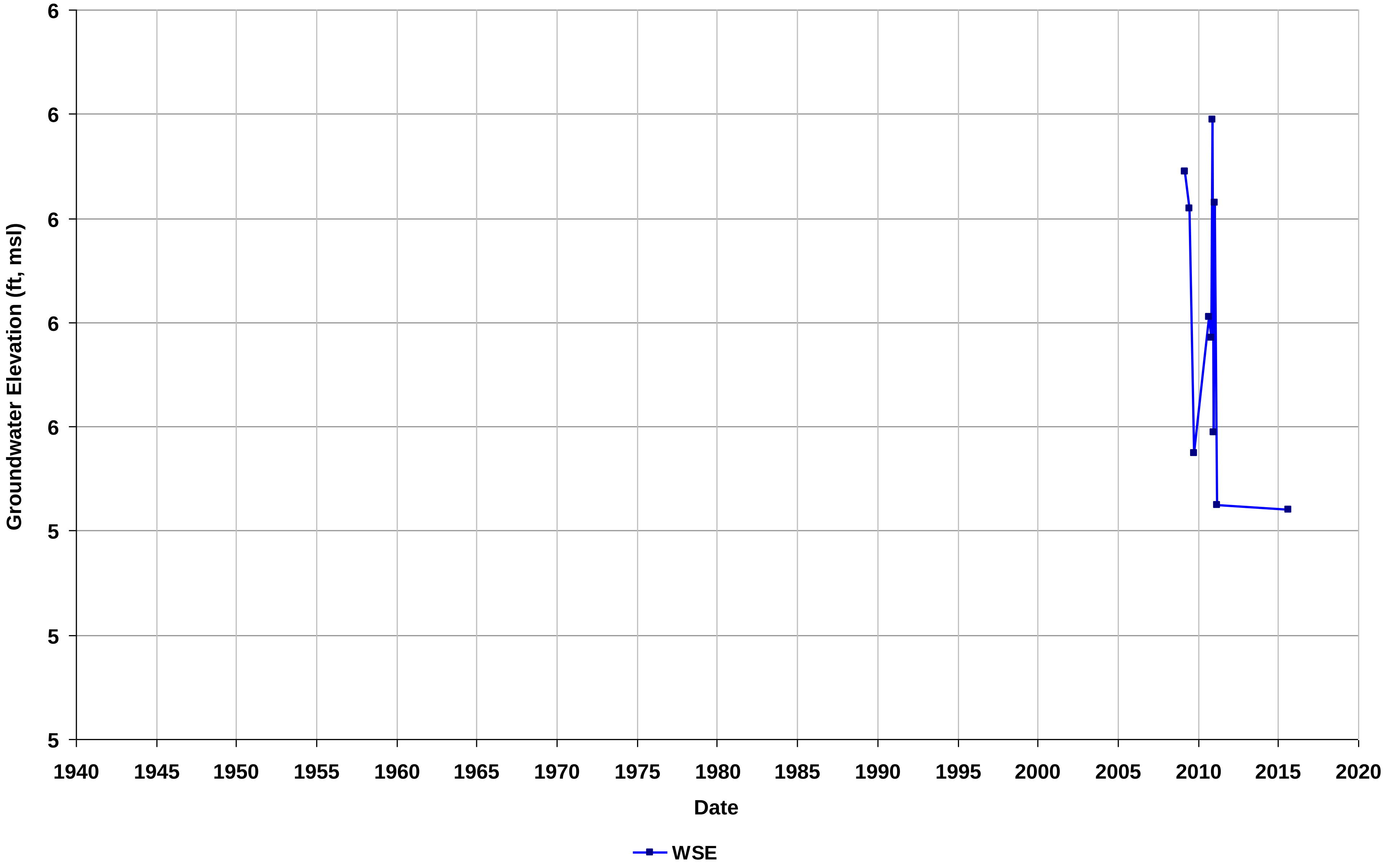
Well Name: SL0600117897-STMW-10
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 13
Perf. Interval (ft bgs): 5-15
T/R/S: 01S/04W/27
Well Use: Observation



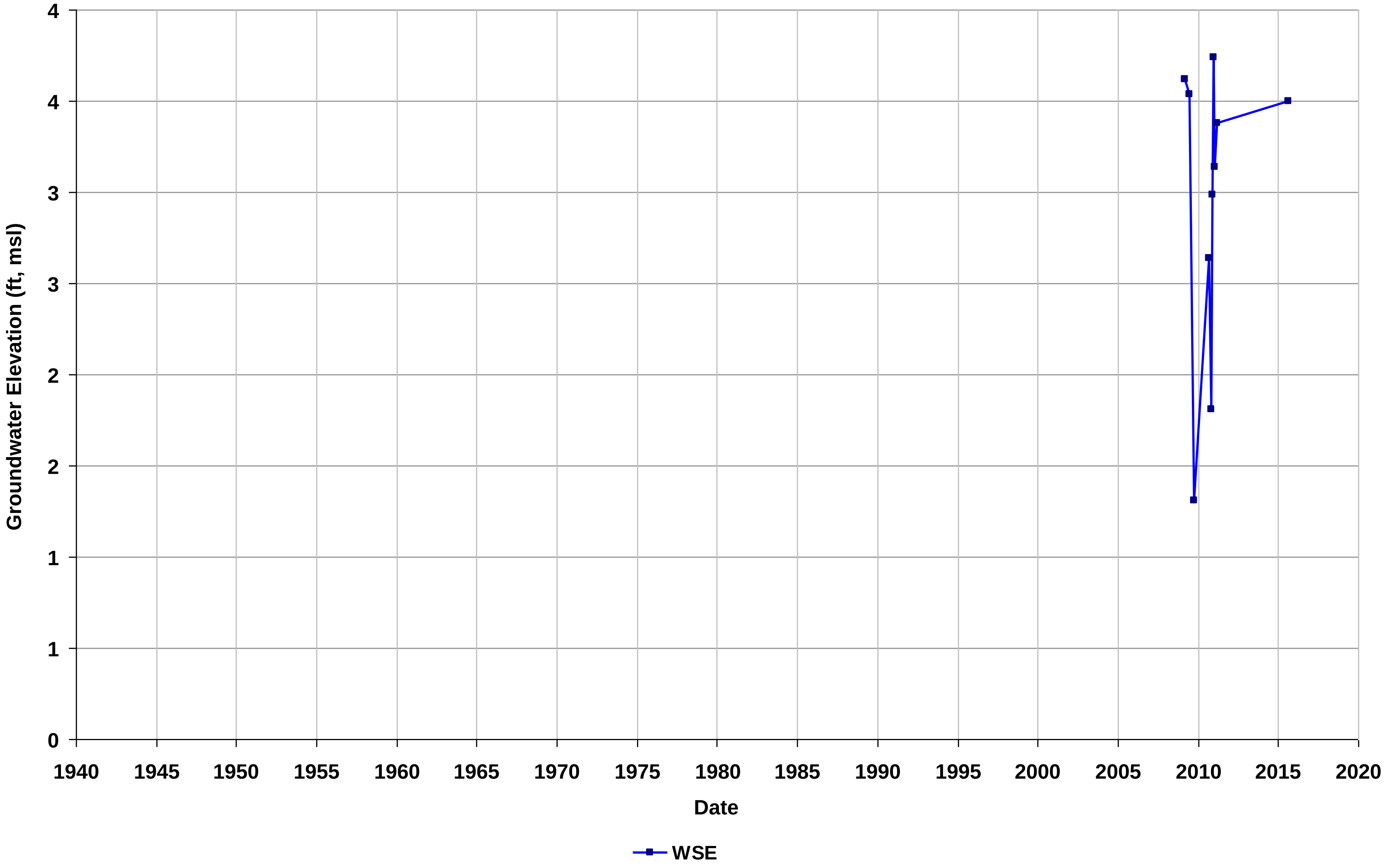
Well Name: SL0600117897-STMW-11
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 13
Perf. Interval (ft bgs): 5-15
T/R/S: 01S/04W/27
Well Use: Observation



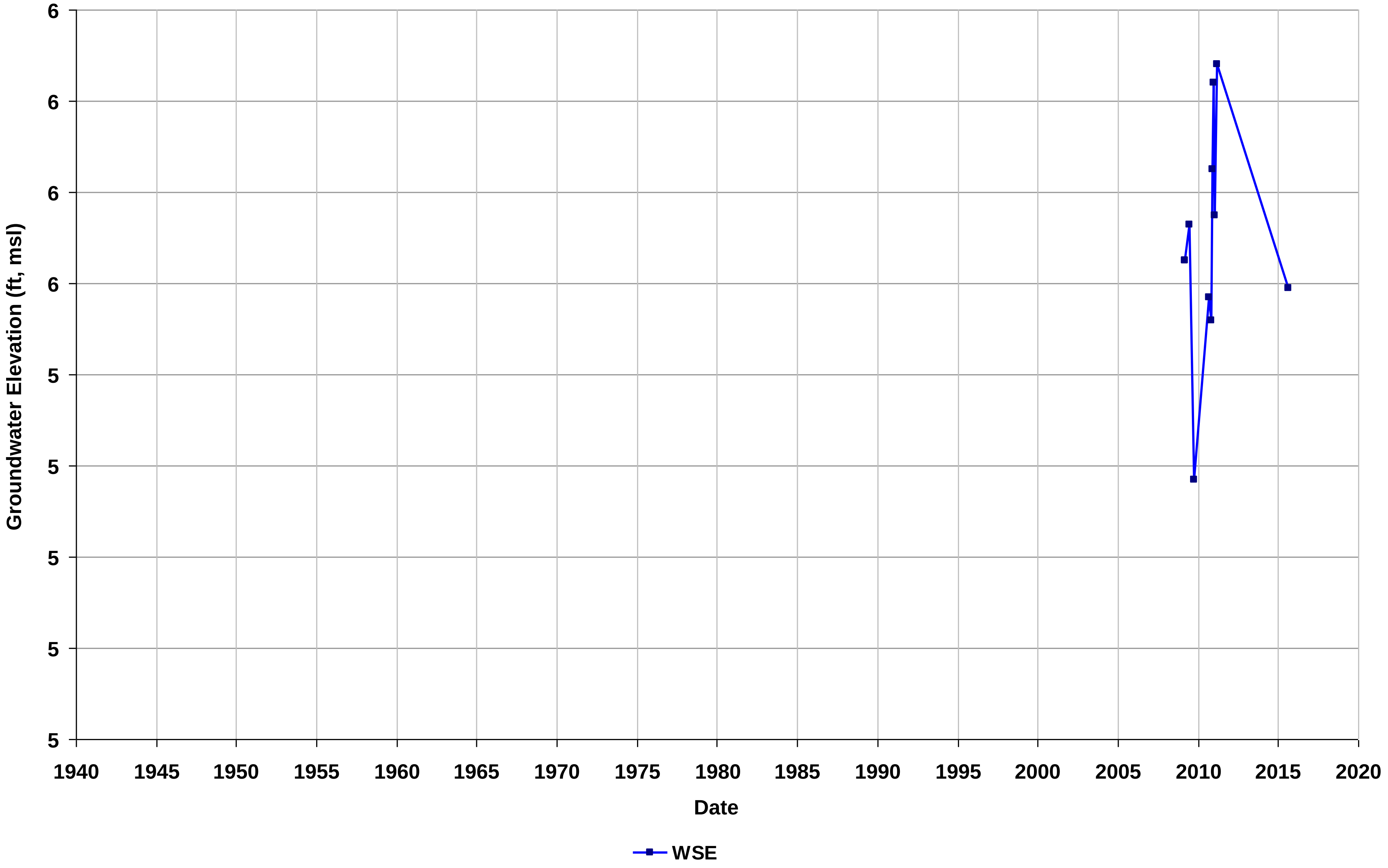
Well Name: SL0600117897-STMW-12
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 13
Perf. Interval (ft bgs): 5-15
T/R/S: 01S/04W/27
Well Use: Observation



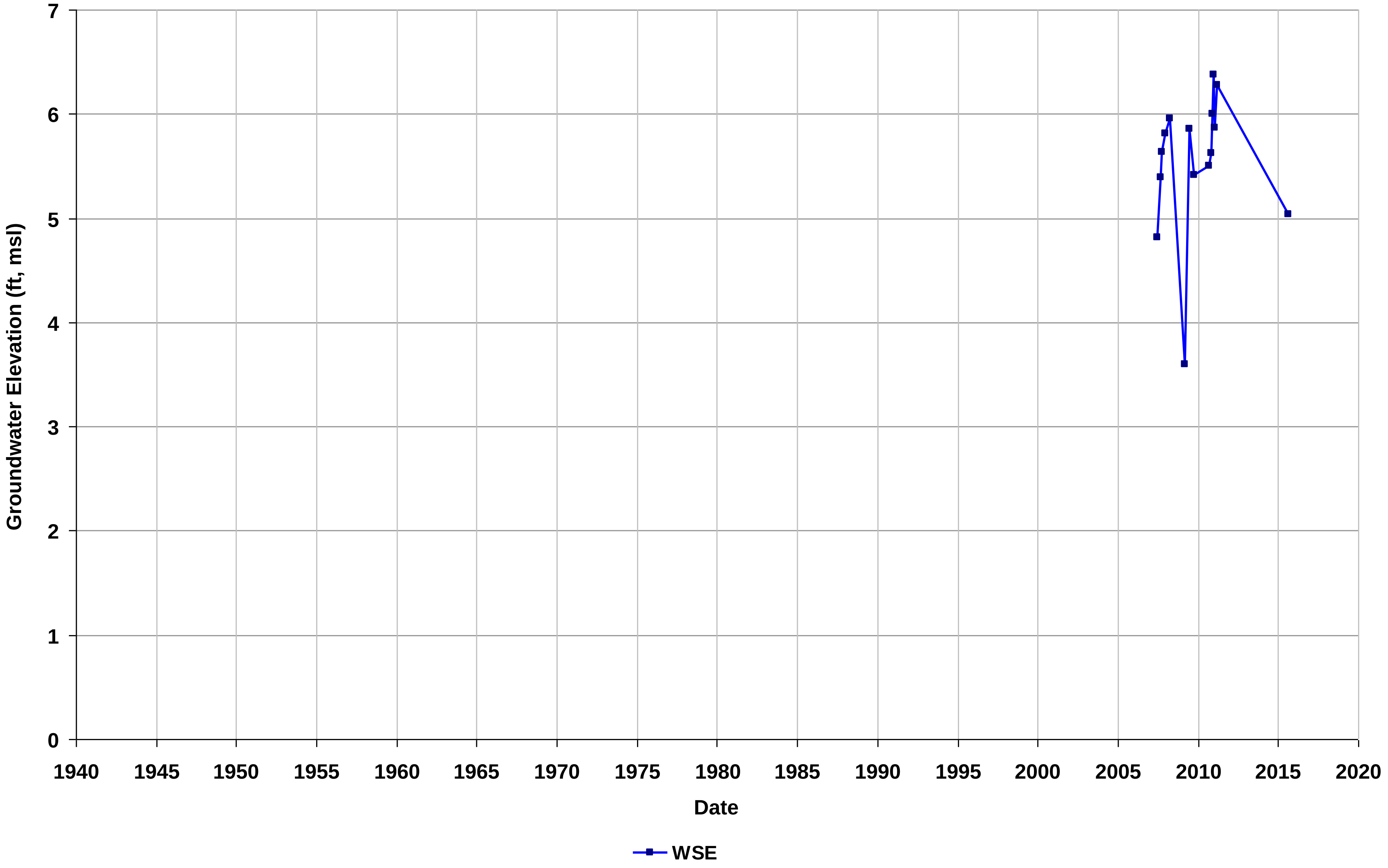
Well Name: SL0600117897-STMW-13
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 13
Perf. Interval (ft bgs): 5-15
T/R/S: 01S/04W/27
Well Use: Observation



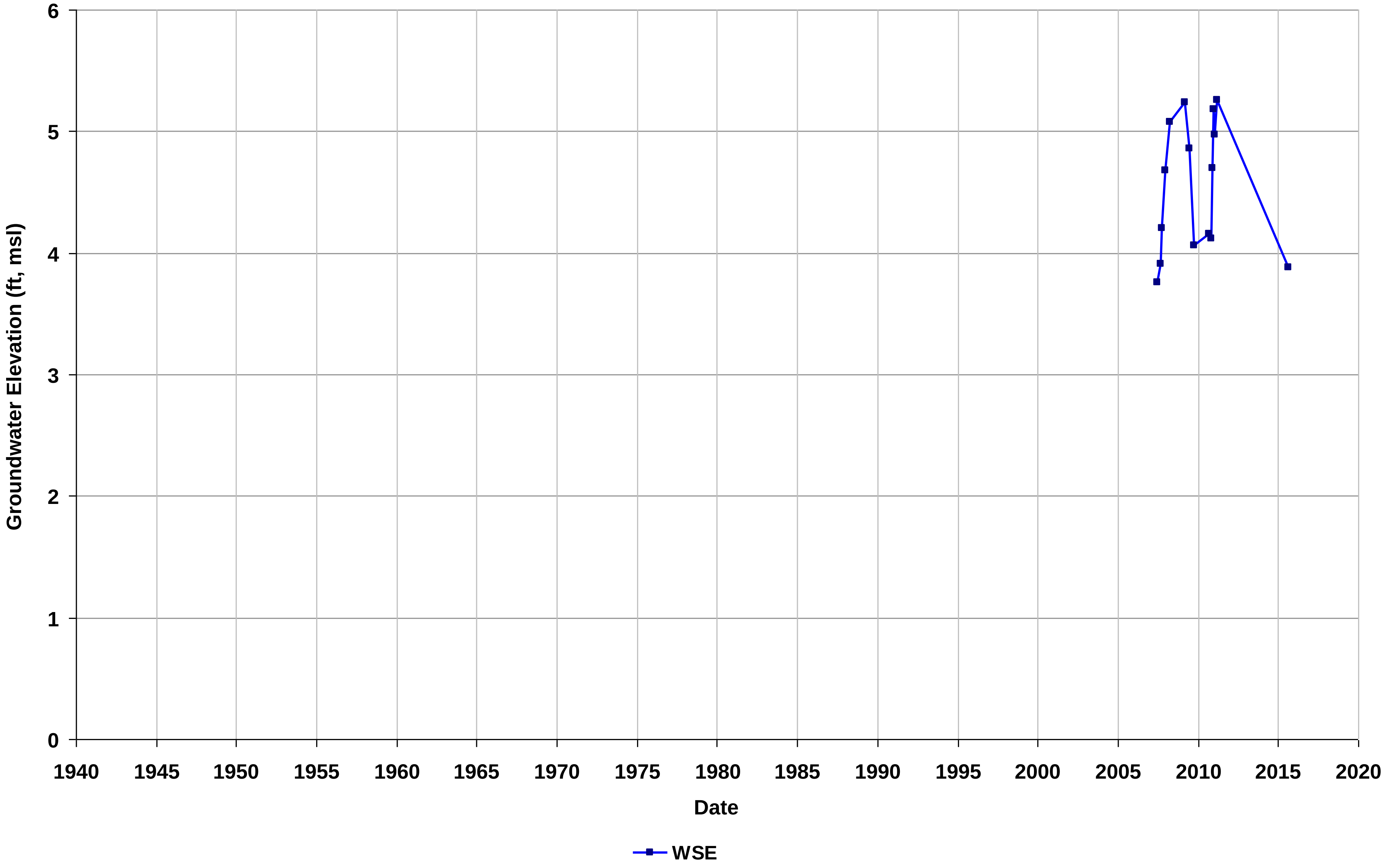
Well Name: SL0600117897-STMW-2
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 14
Perf. Interval (ft bgs): 4-14
T/R/S: 01S/04W/27
Well Use: Observation



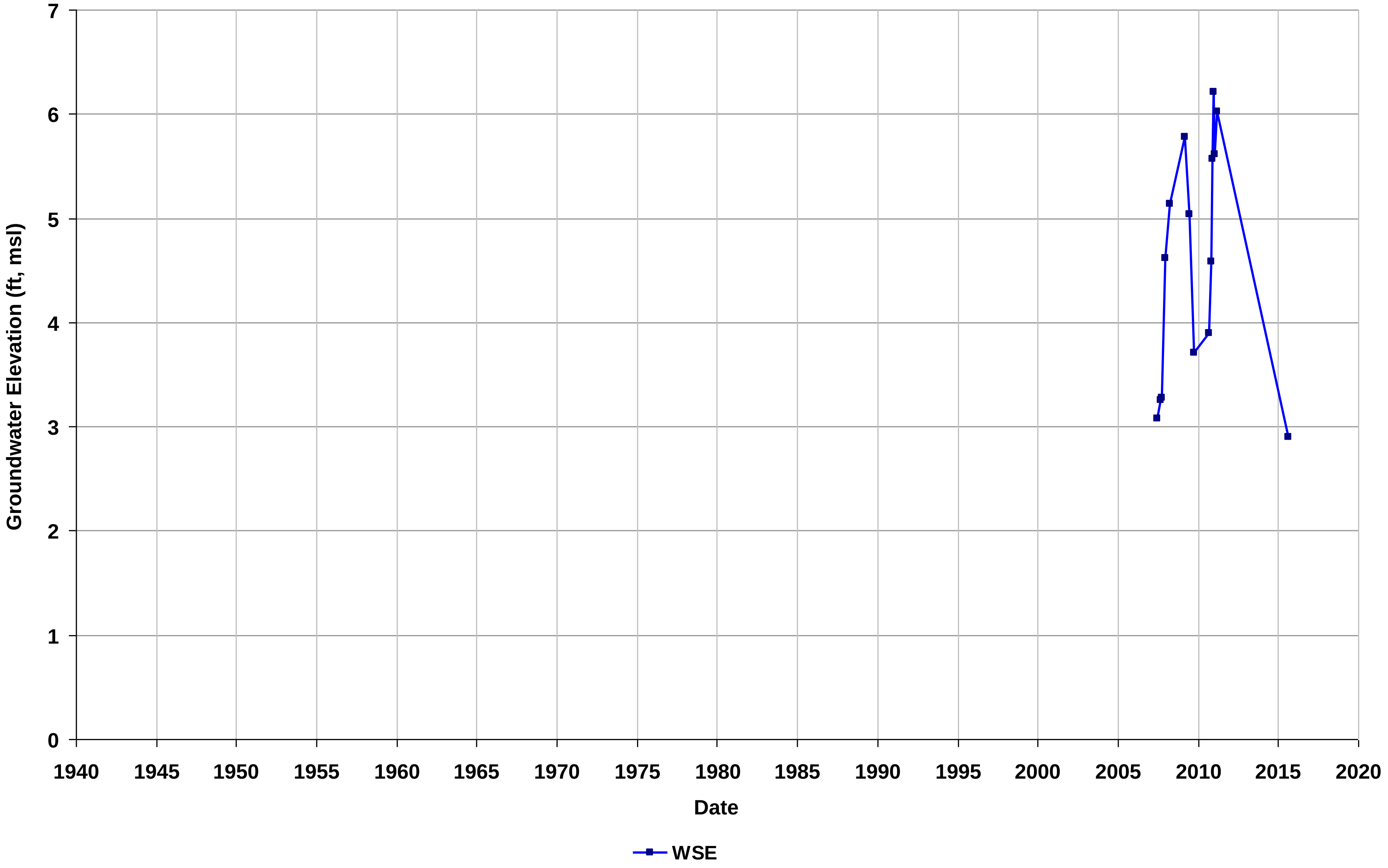
Well Name: SL0600117897-STMW-3
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 14
Perf. Interval (ft bgs): 4-14
T/R/S: 01S/04W/27
Well Use: Observation



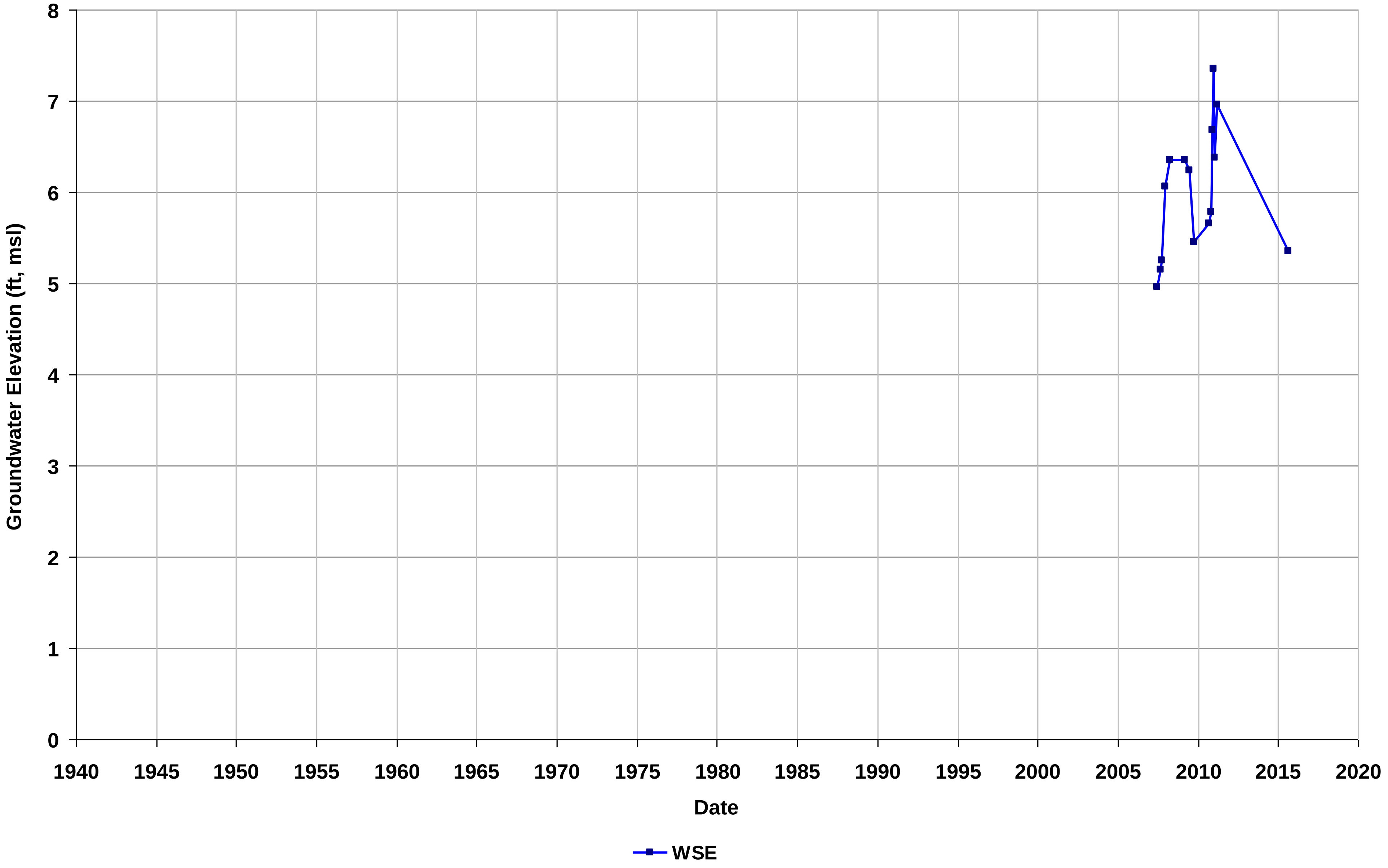
Well Name: SL0600117897-STMW-4
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 15
Perf. Interval (ft bgs): 5-15
T/R/S: 01S/04W/27
Well Use: Observation



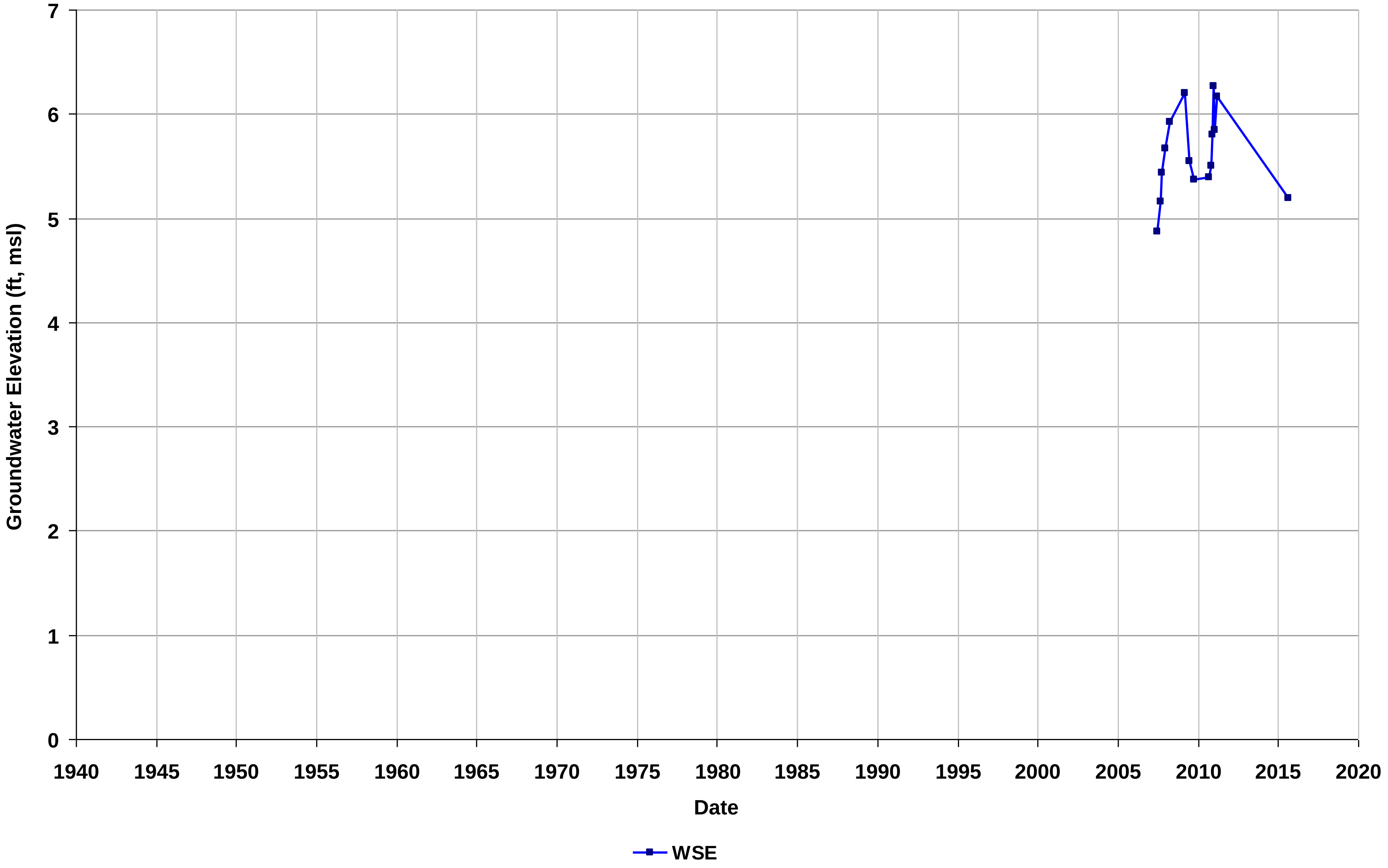
Well Name: SL0600117897-STMW-5
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 15
Perf. Interval (ft bgs): 5-15
T/R/S: 01S/04W/27
Well Use: Observation



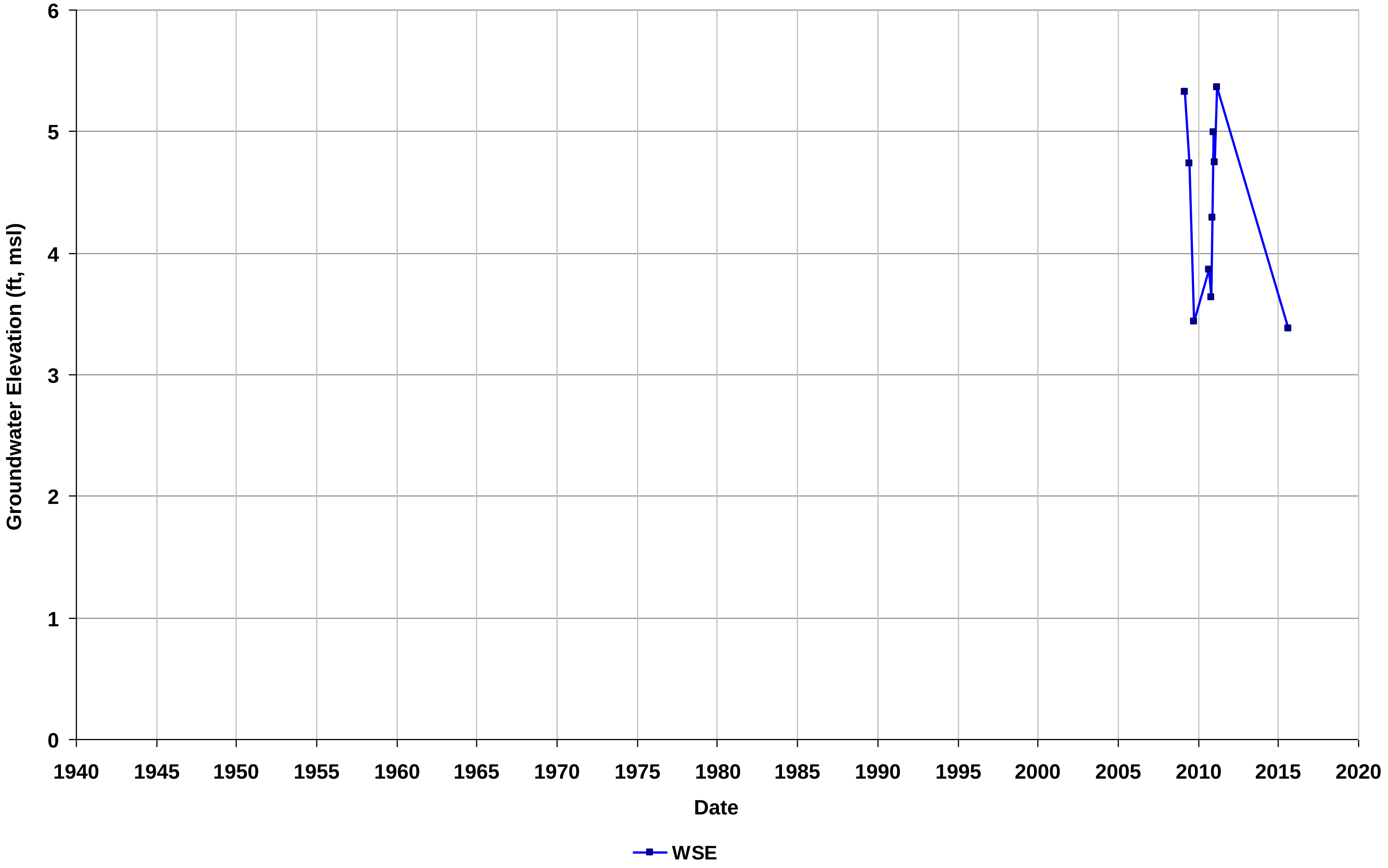
Well Name: SL0600117897-STMW-6
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 15
Perf. Interval (ft bgs): 5-15
T/R/S: 01S/04W/27
Well Use: Observation



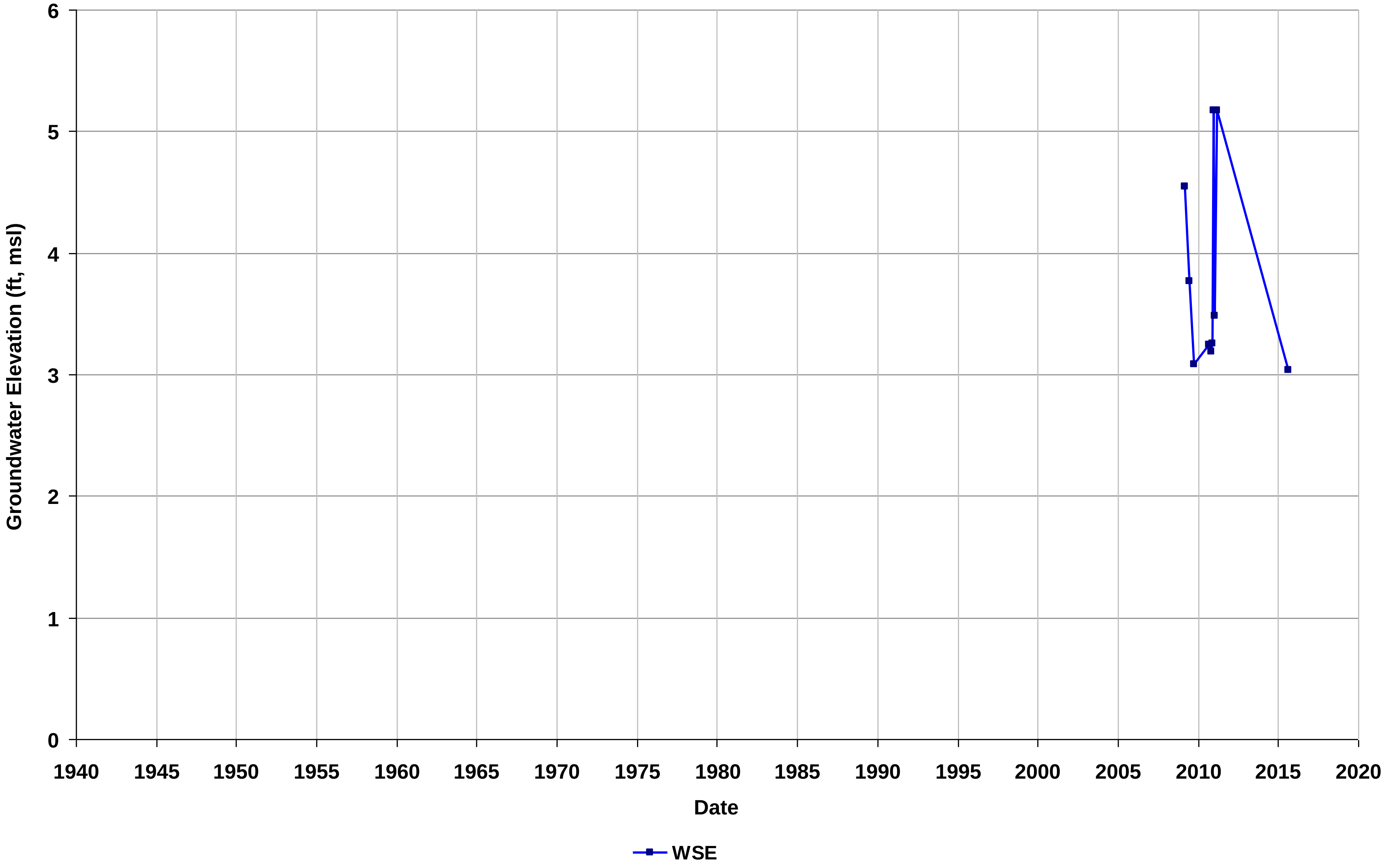
Well Name: SL0600117897-STMW-7
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 14
Perf. Interval (ft bgs): 5-15
T/R/S: 01S/04W/27
Well Use: Observation



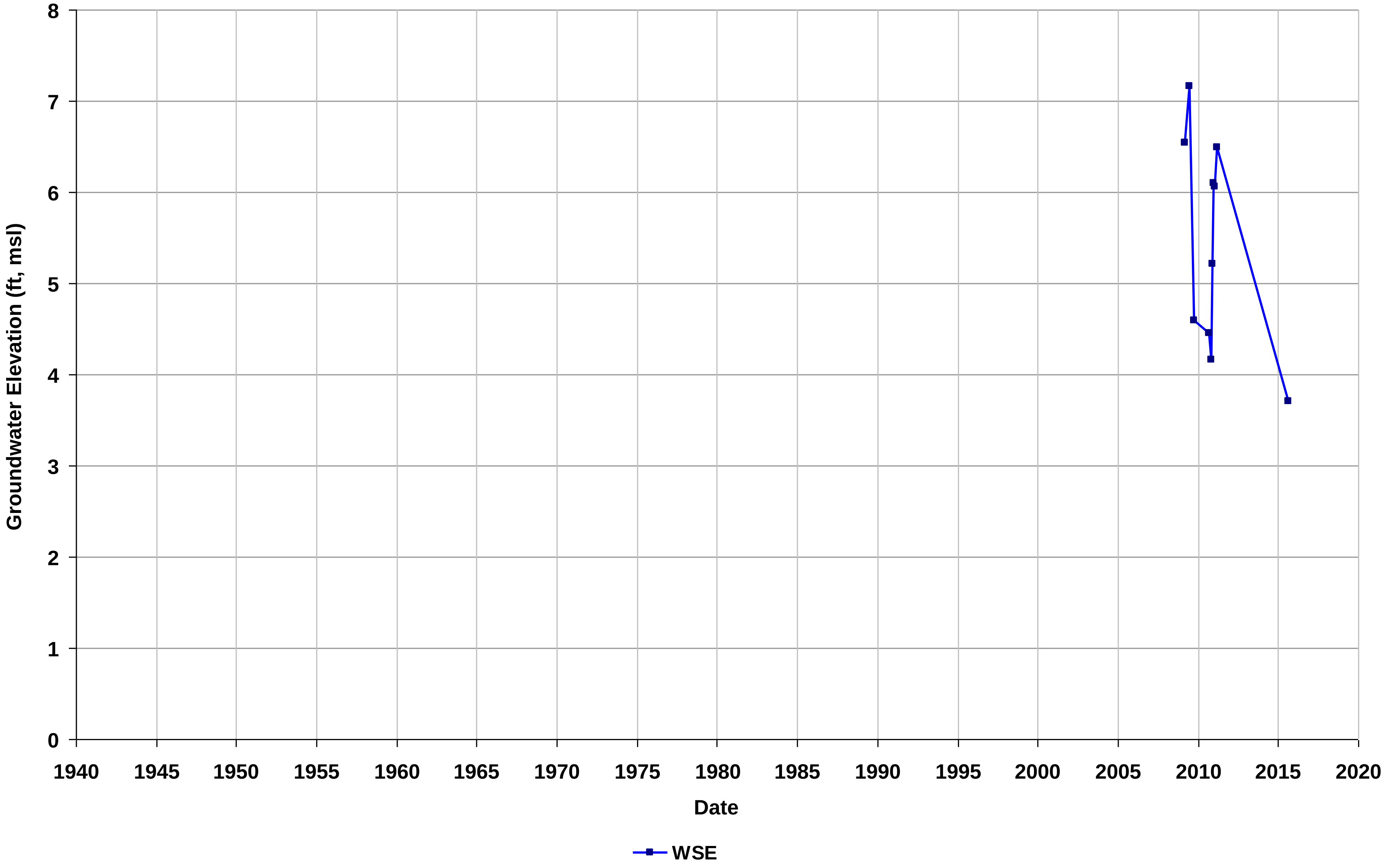
Well Name: SL0600117897-STMW-8
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 13
Perf. Interval (ft bgs): 5-15
T/R/S: 01S/04W/27
Well Use: Observation



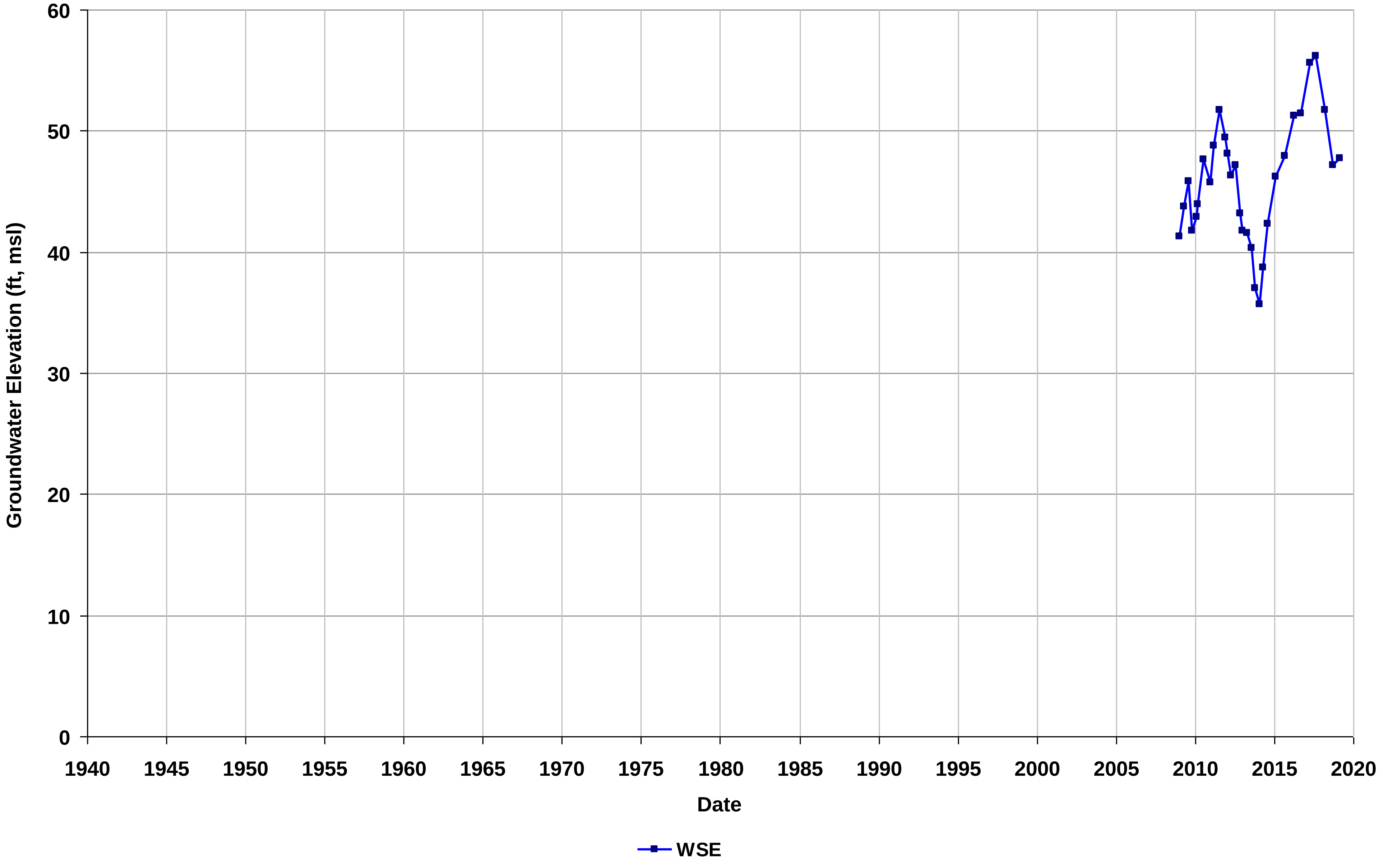
Well Name: SL0600117897-STMW-9
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 13
Perf. Interval (ft bgs): 5-15
T/R/S: 01S/04W/27
Well Use: Observation



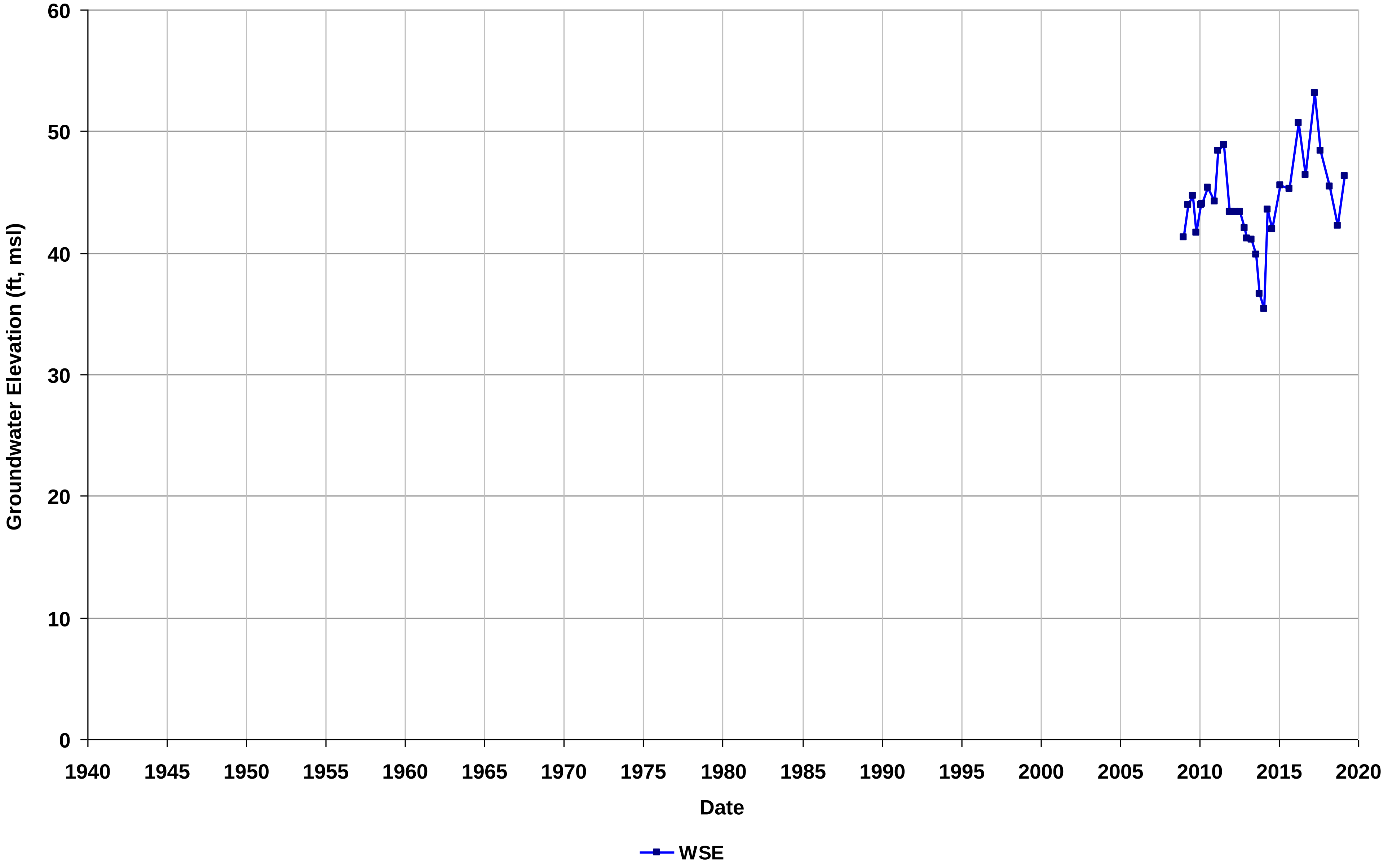
Well Name: SL0600125180-MW-1
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 46
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



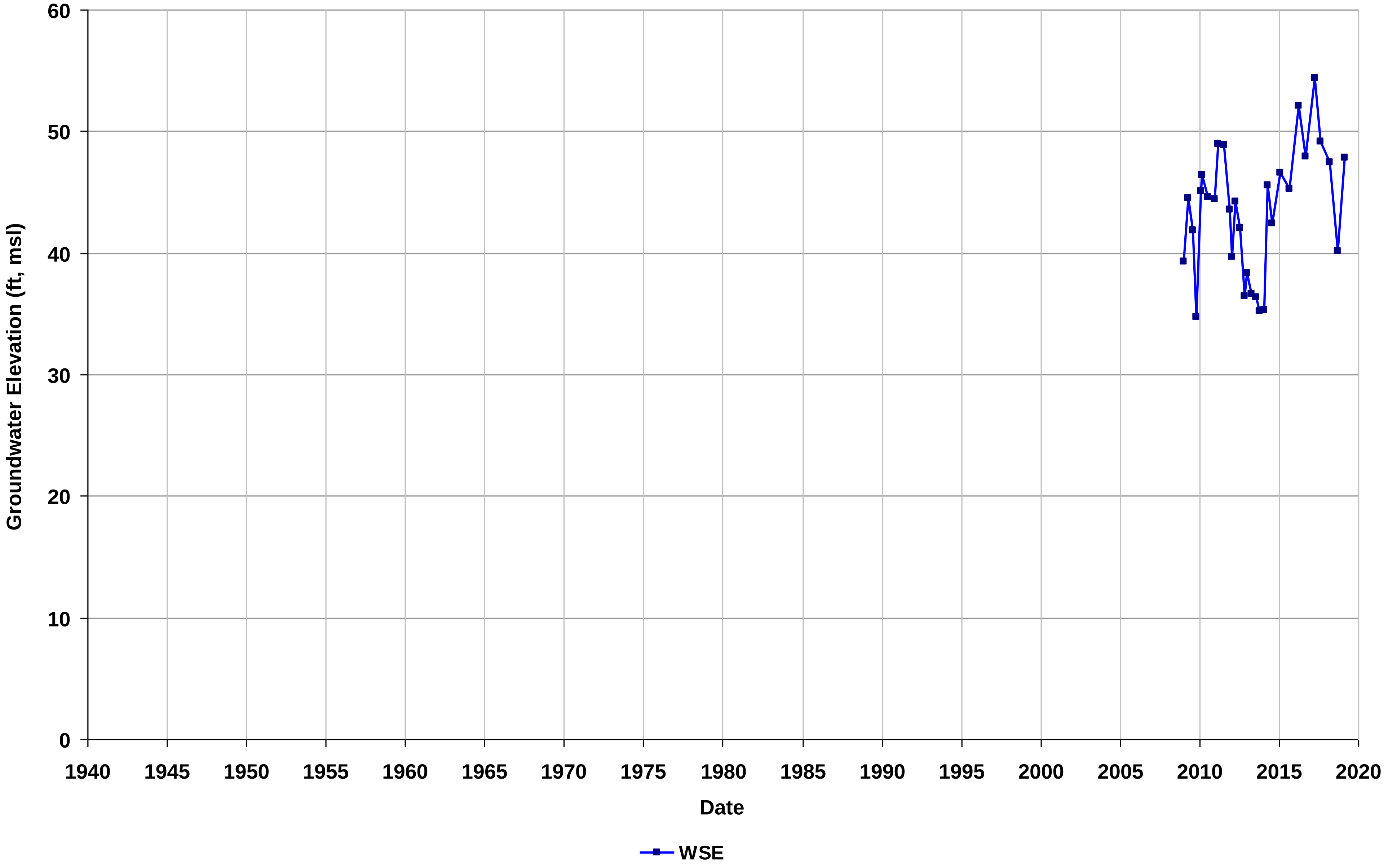
Well Name: SL0600125180-MW-2
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 50
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



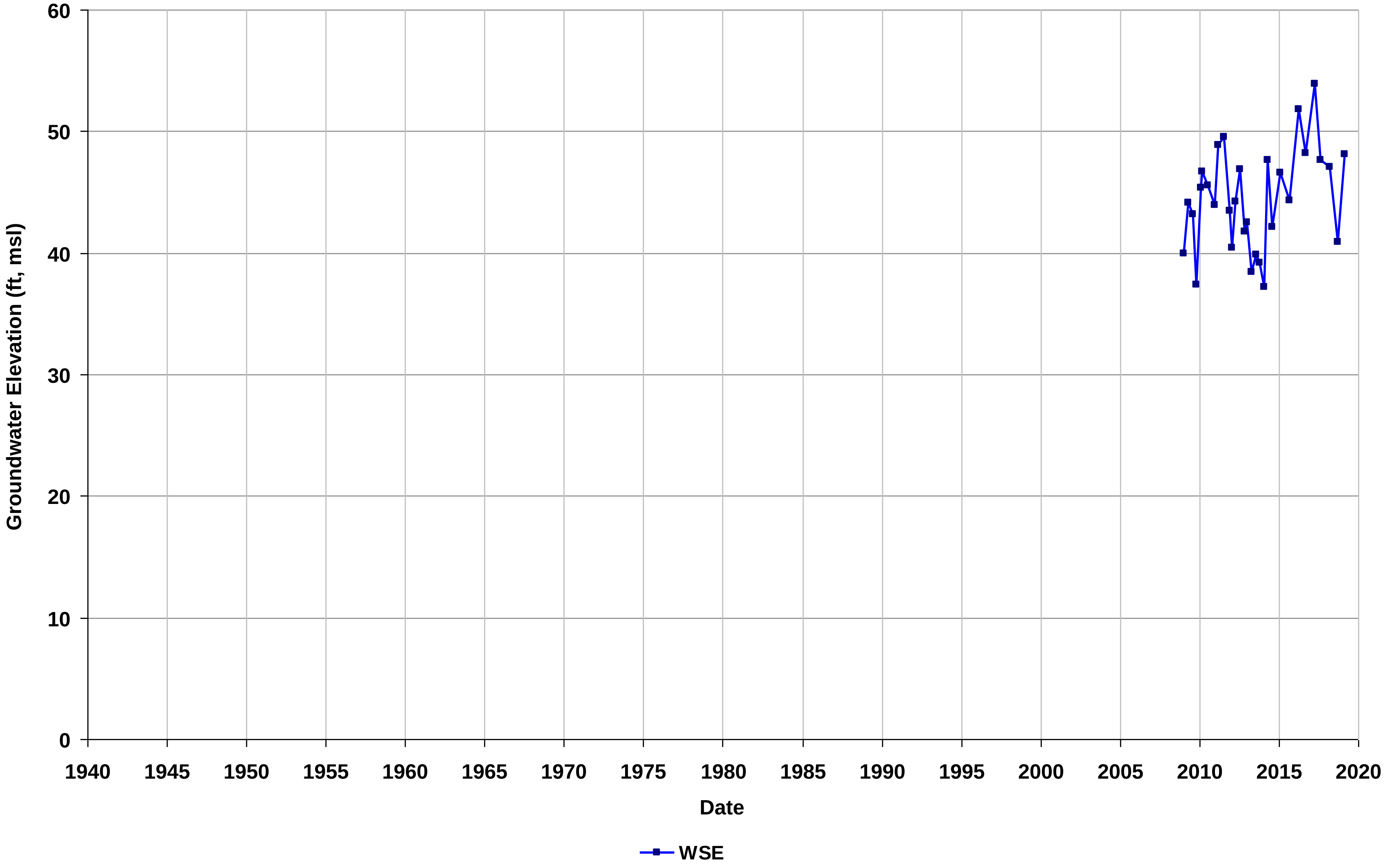
Well Name: SL0600125180-MW-4
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 46
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



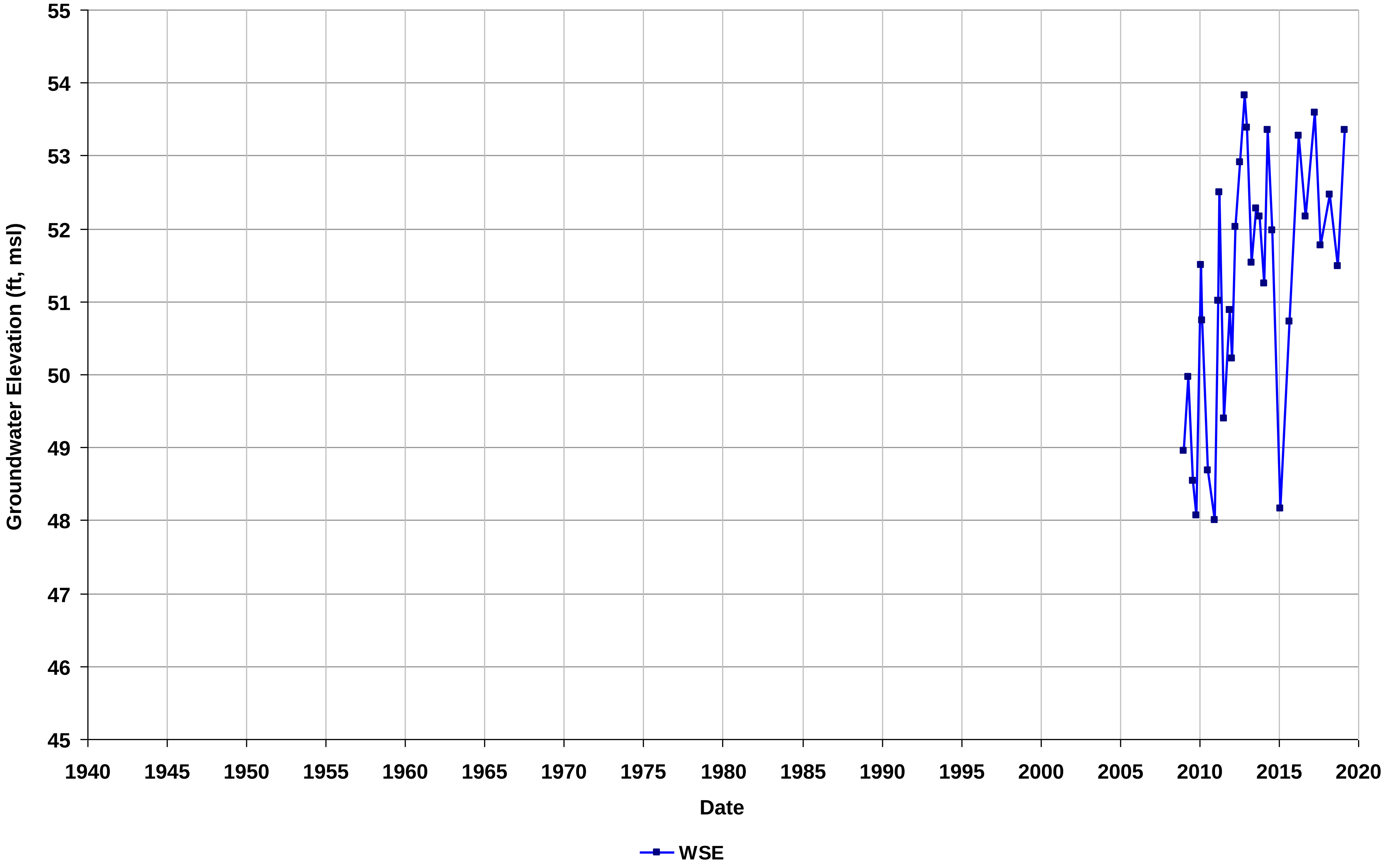
Well Name: SL0600125180-MW-5
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 41
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



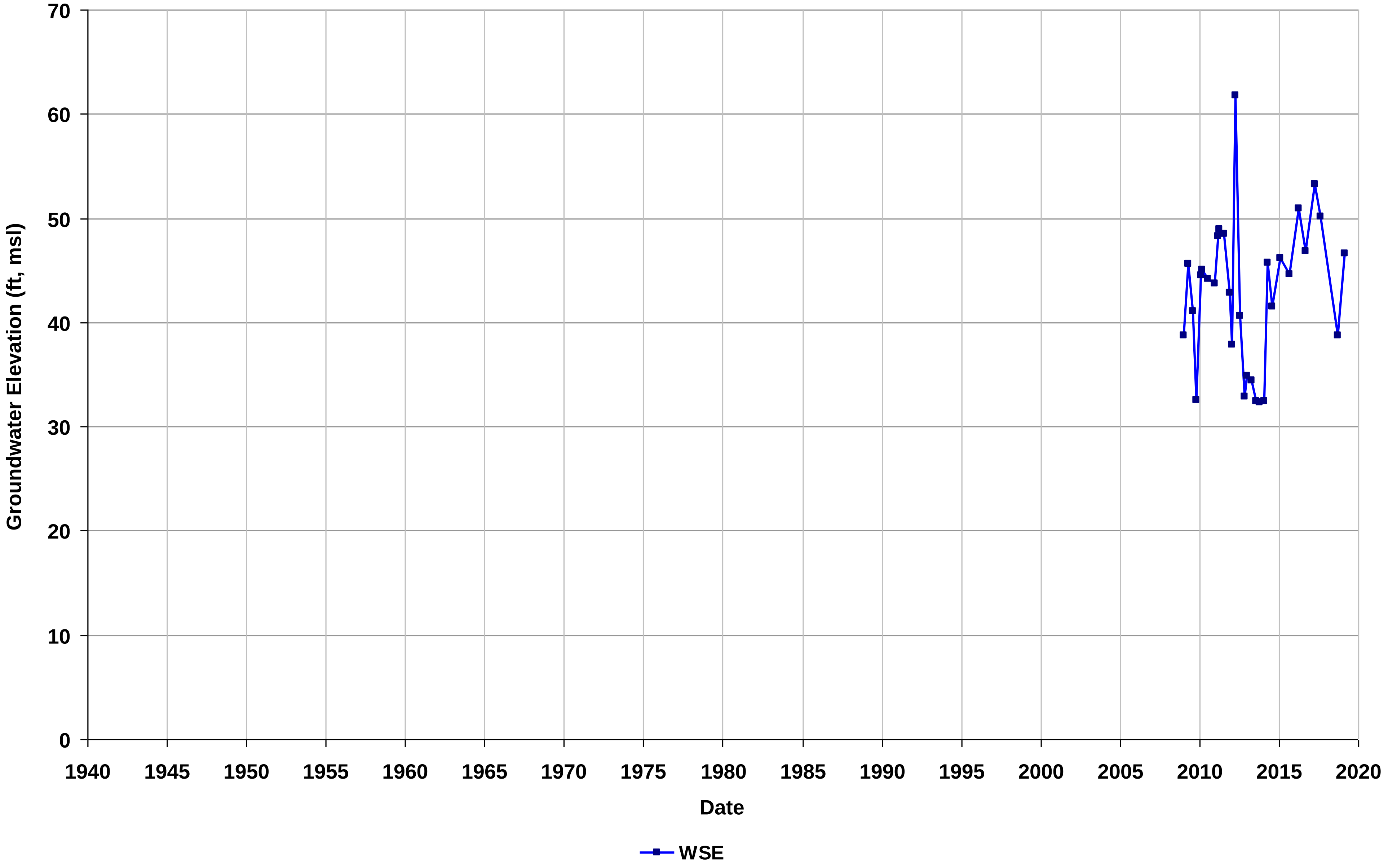
Well Name: SL0600125180-MW-6
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 41
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



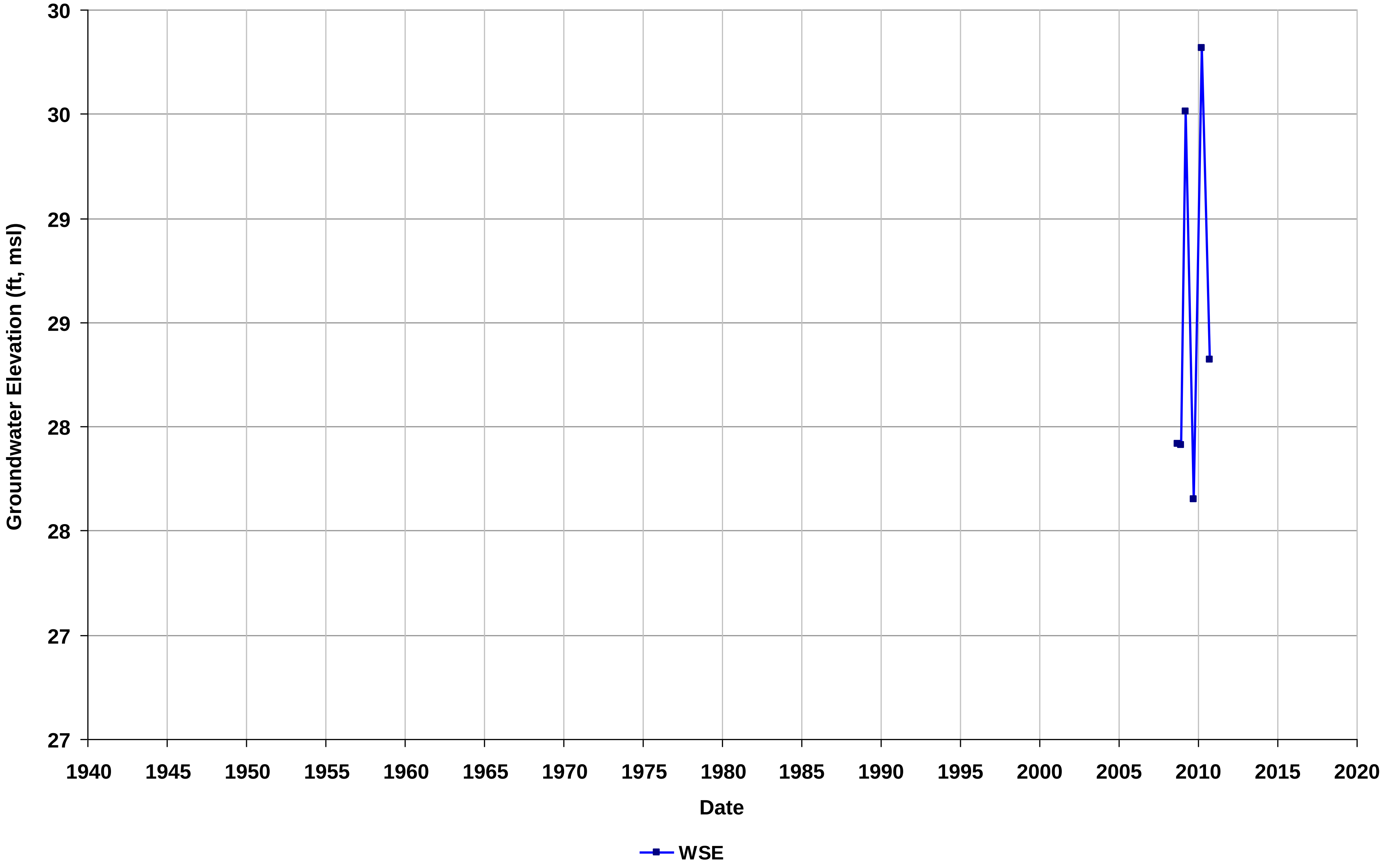
Well Name: SL0600125180-MW-8
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 46
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



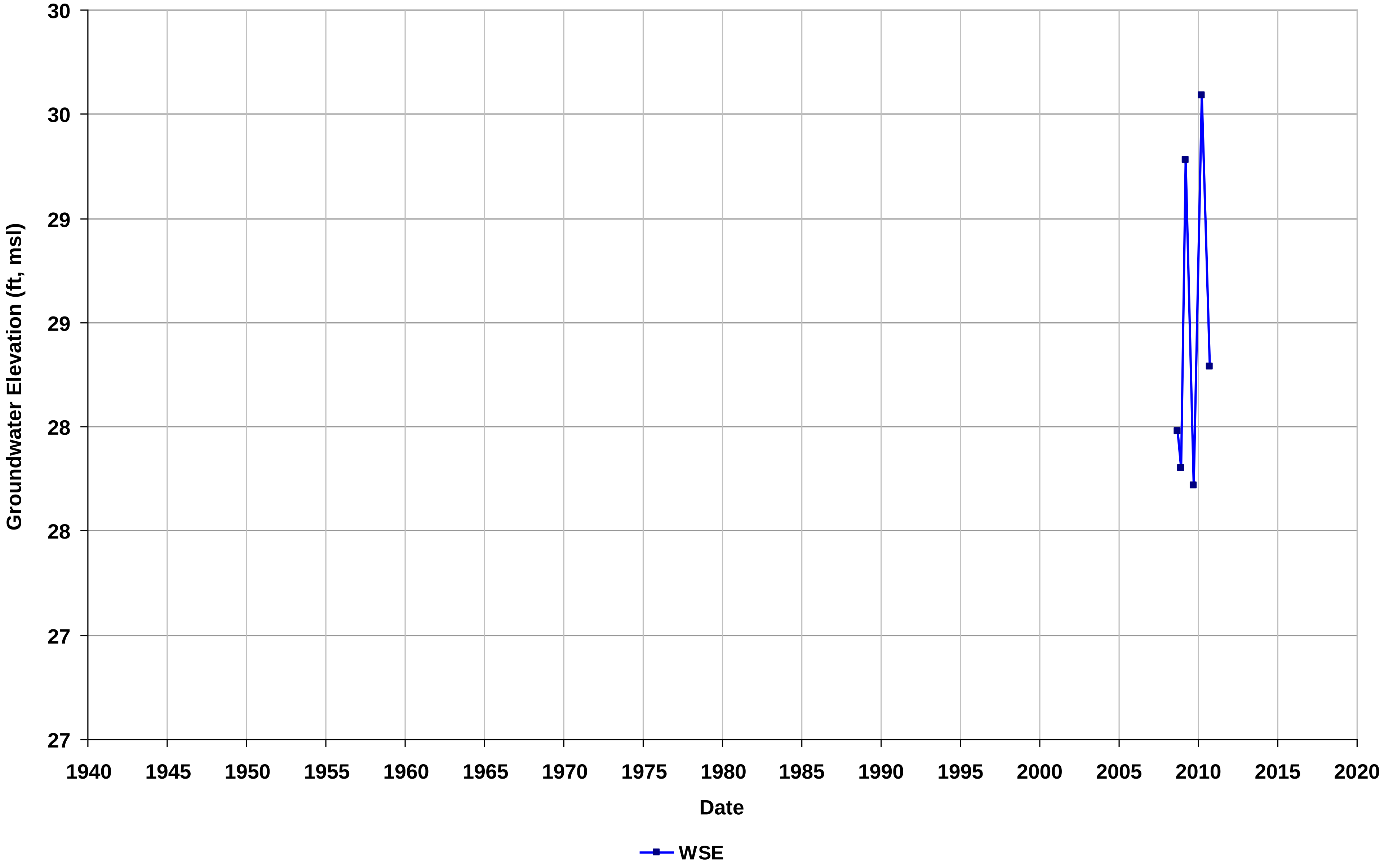
Well Name: SL0600134320-MW1
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 10-20
T/R/S: n/a
Well Use: Observation



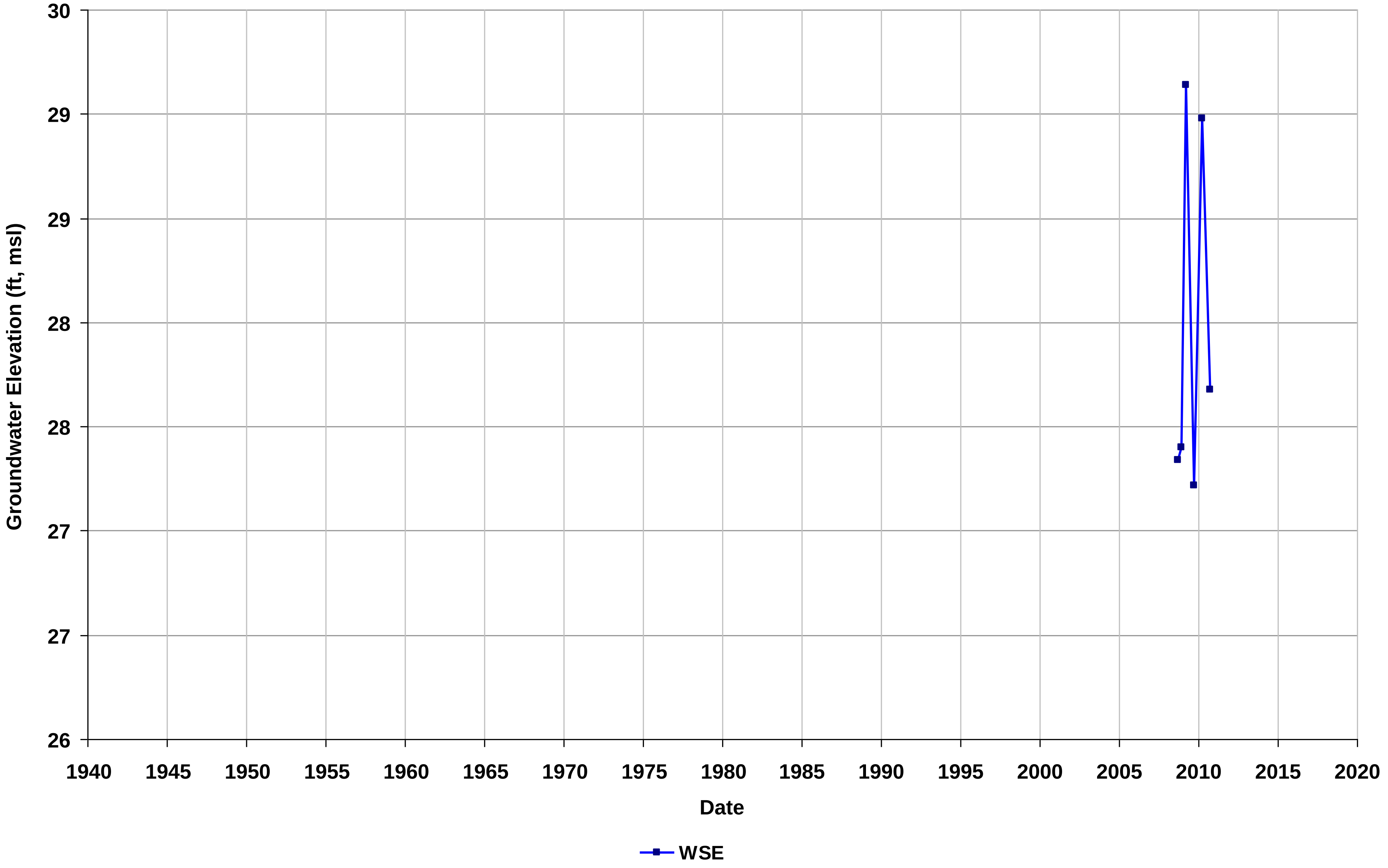
Well Name: SL0600134320-MW2
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 10-20
T/R/S: n/a
Well Use: Observation



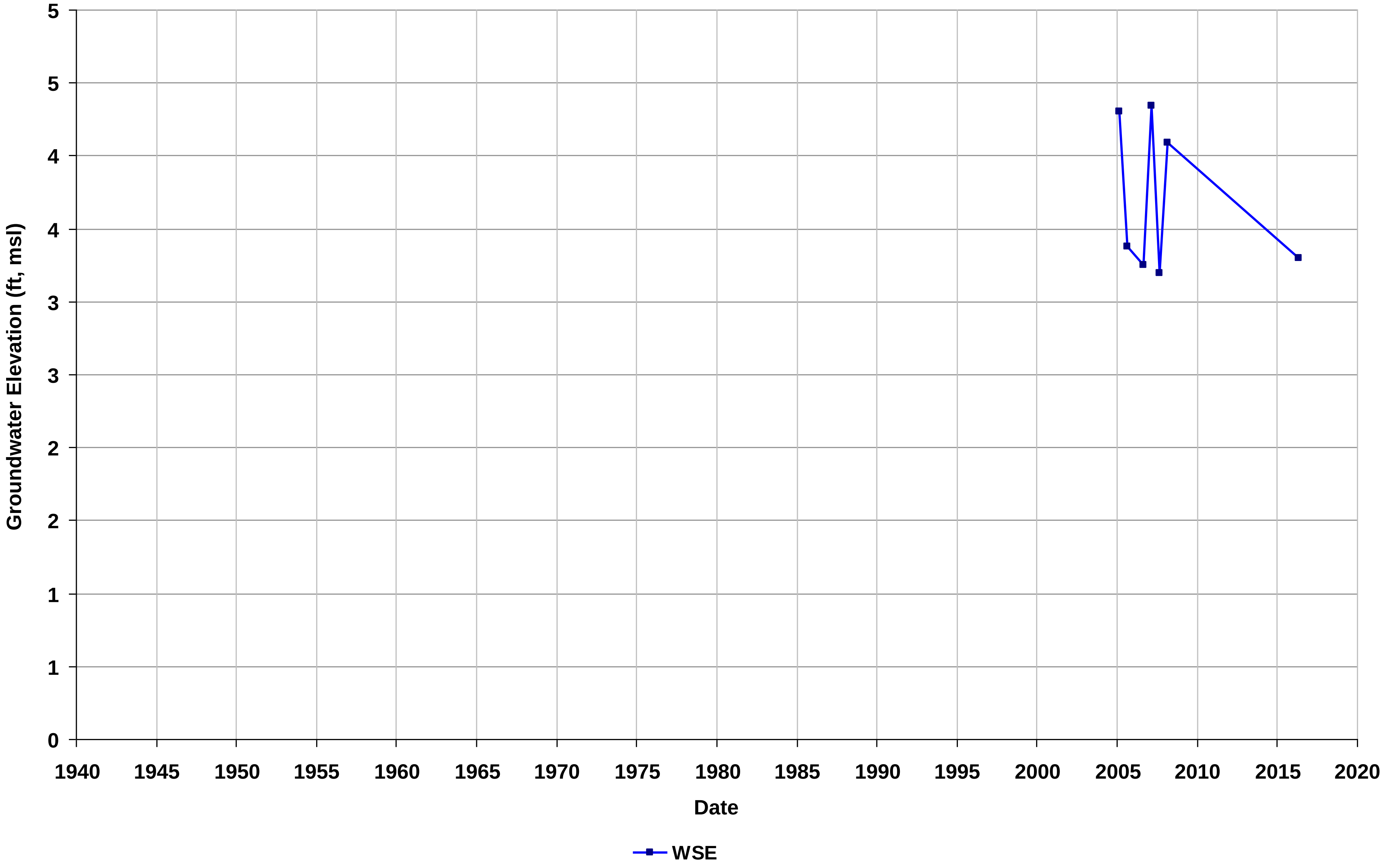
Well Name: SL0600134320-MW3
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 10-20
T/R/S: n/a
Well Use: Observation



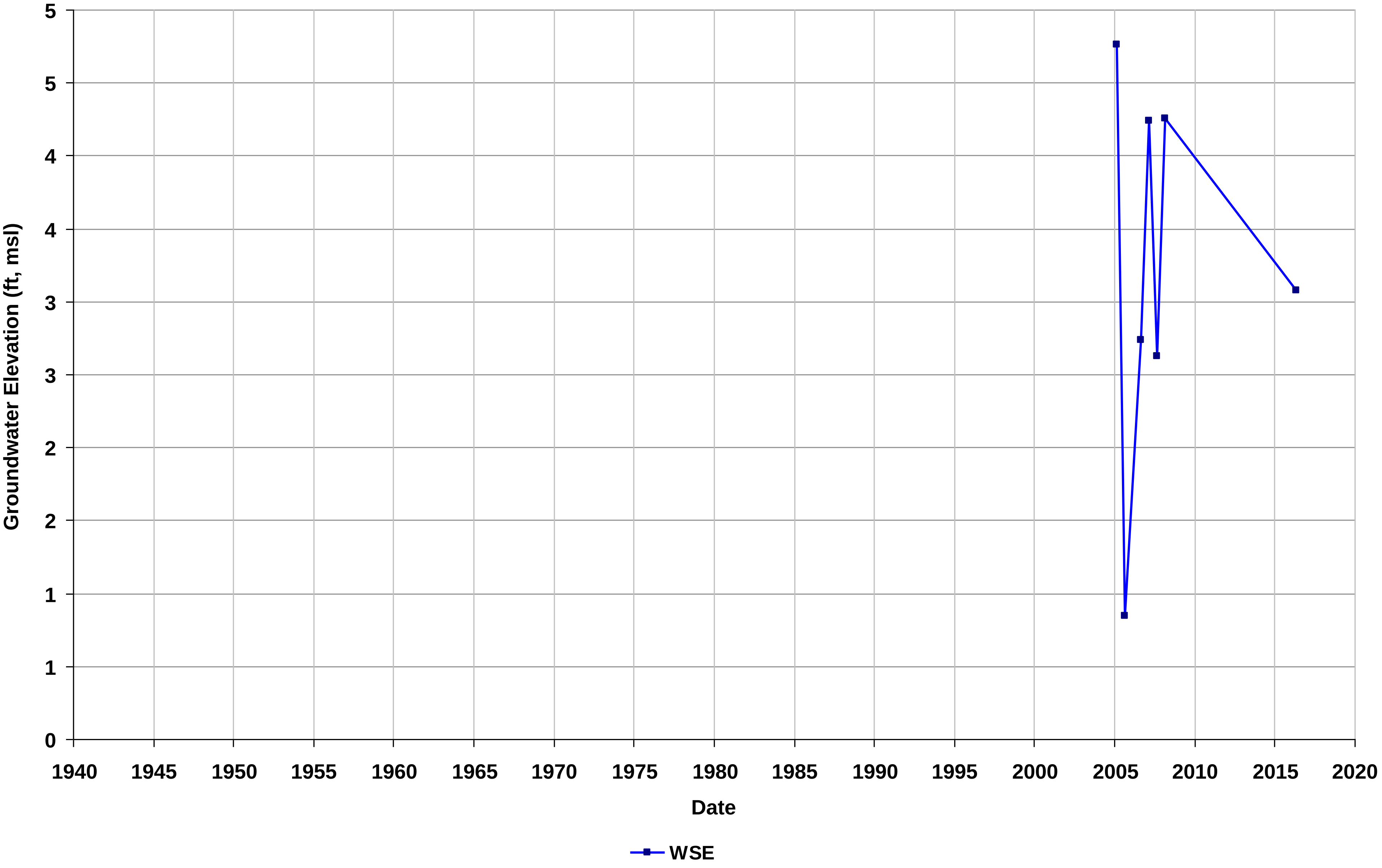
Well Name: SL0600135858-MW-10
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 12-22
T/R/S: 04S/02W/09
Well Use: Observation



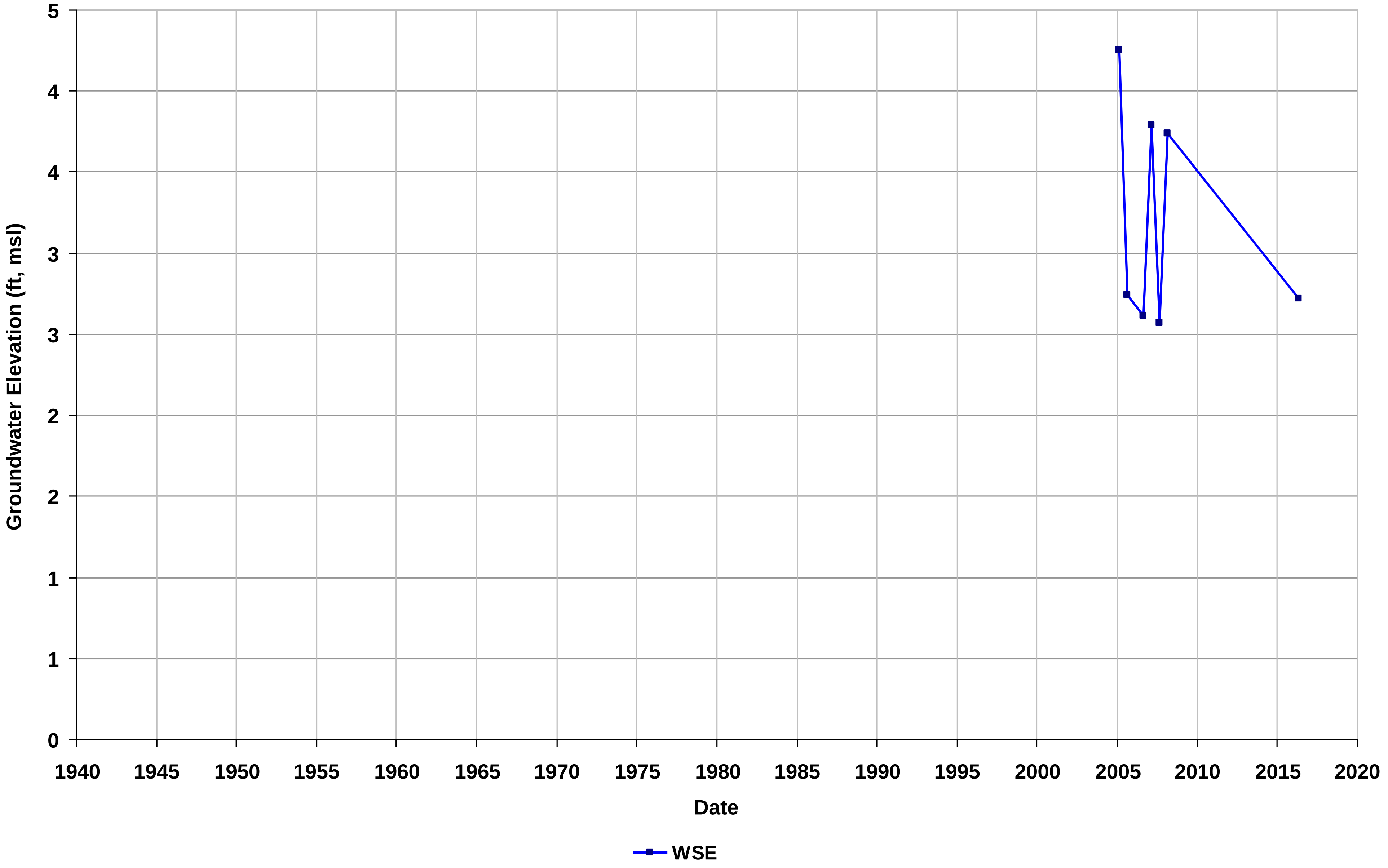
Well Name: SL0600135858-MW-11
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 13-23
T/R/S: 04S/02W/09
Well Use: Observation



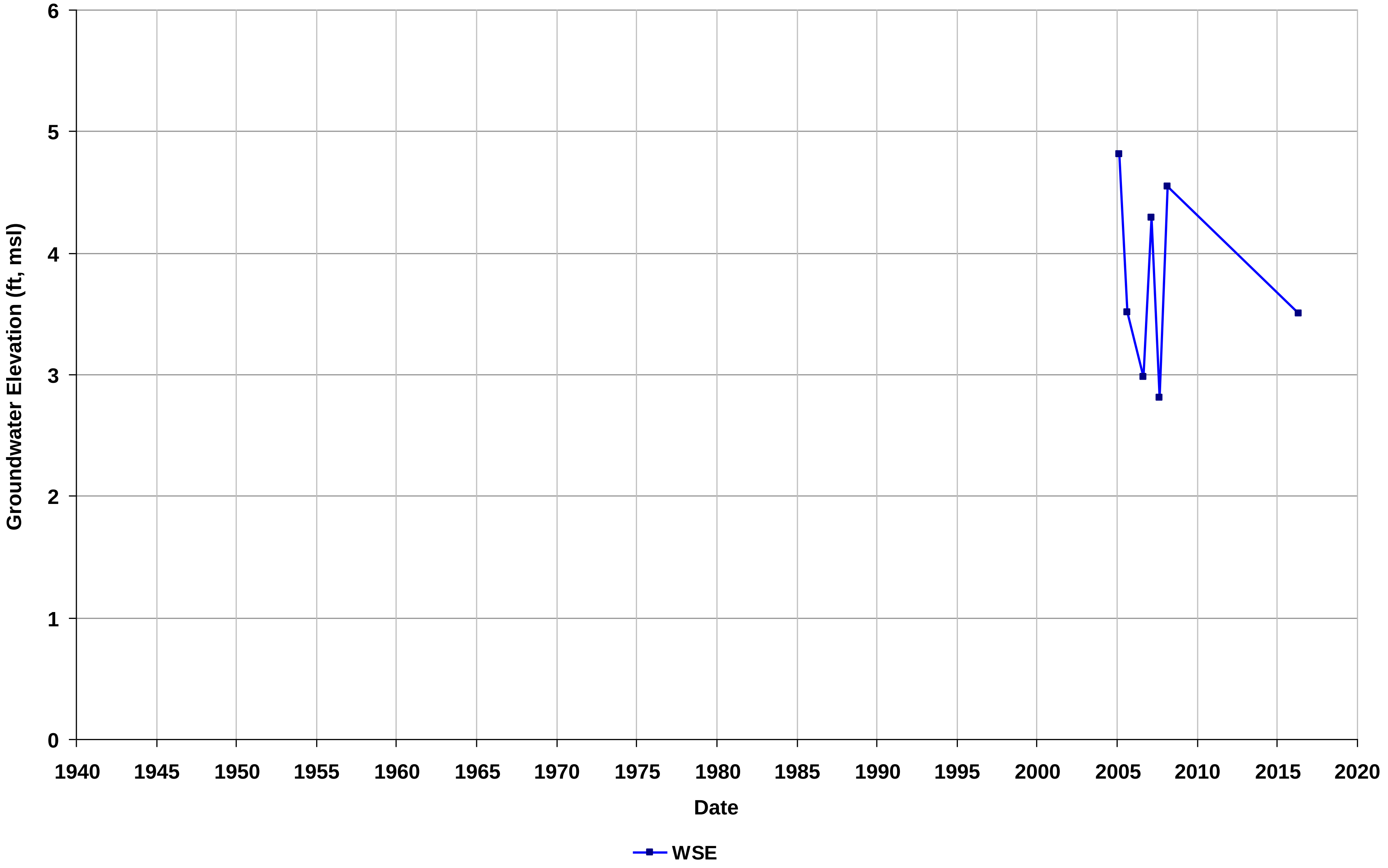
Well Name: SL0600135858-MW-12
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 10-20
T/R/S: 04S/02W/09
Well Use: Observation



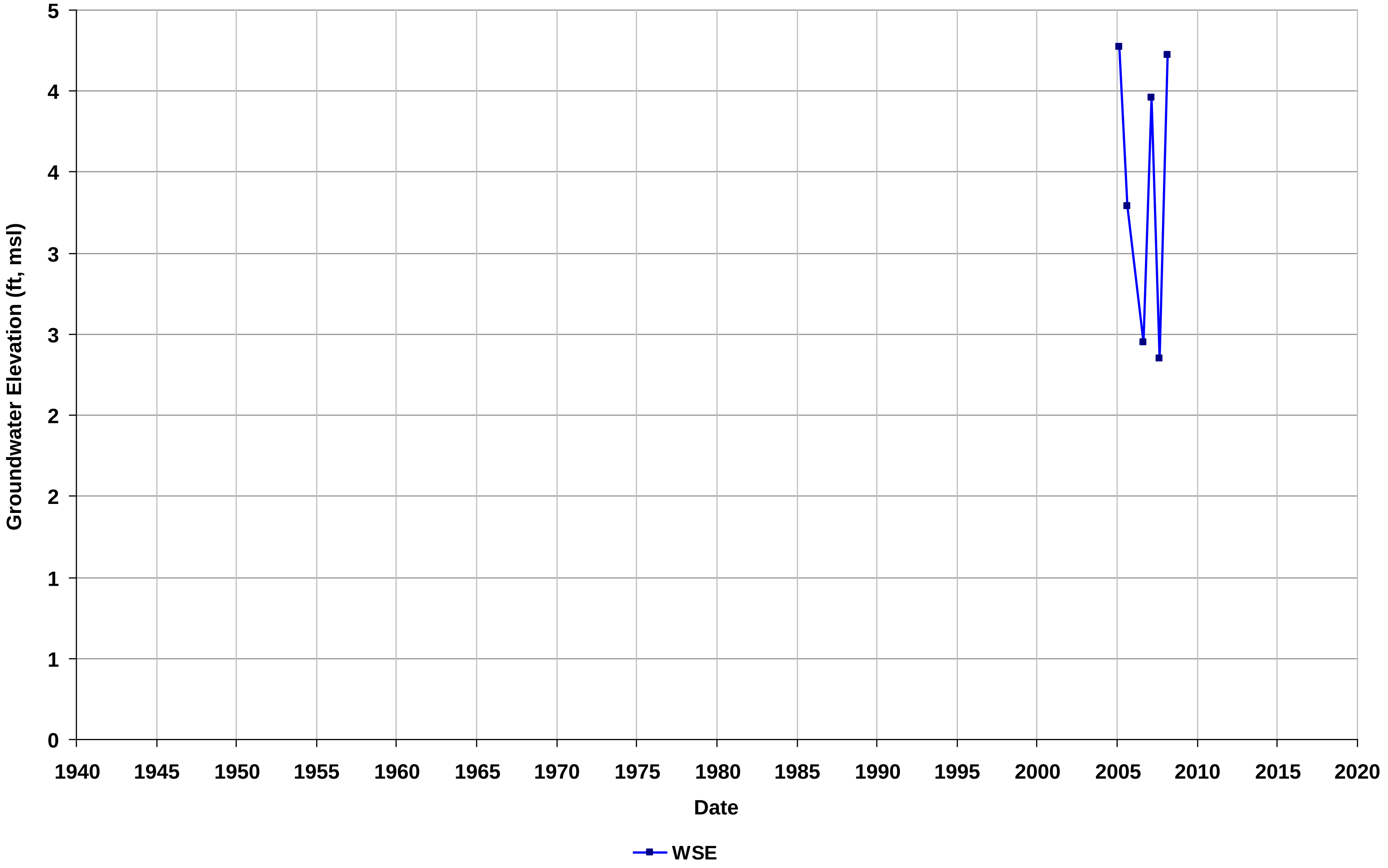
Well Name: SL0600135858-MW-13
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 13-23
T/R/S: 04S/02W/09
Well Use: Observation



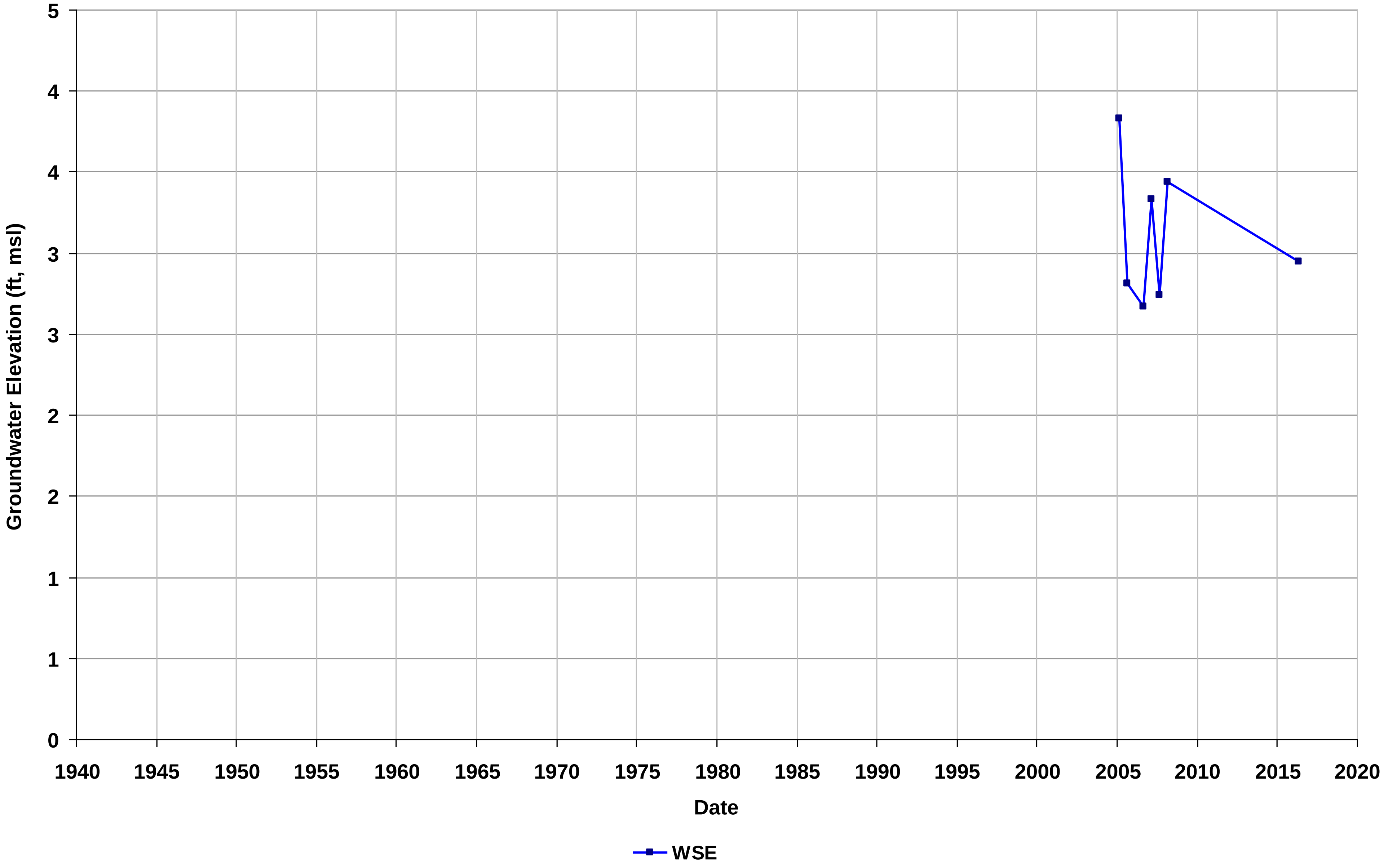
Well Name: SL0600135858-MW-15
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 11-22
T/R/S: 04S/02W/09
Well Use: Observation



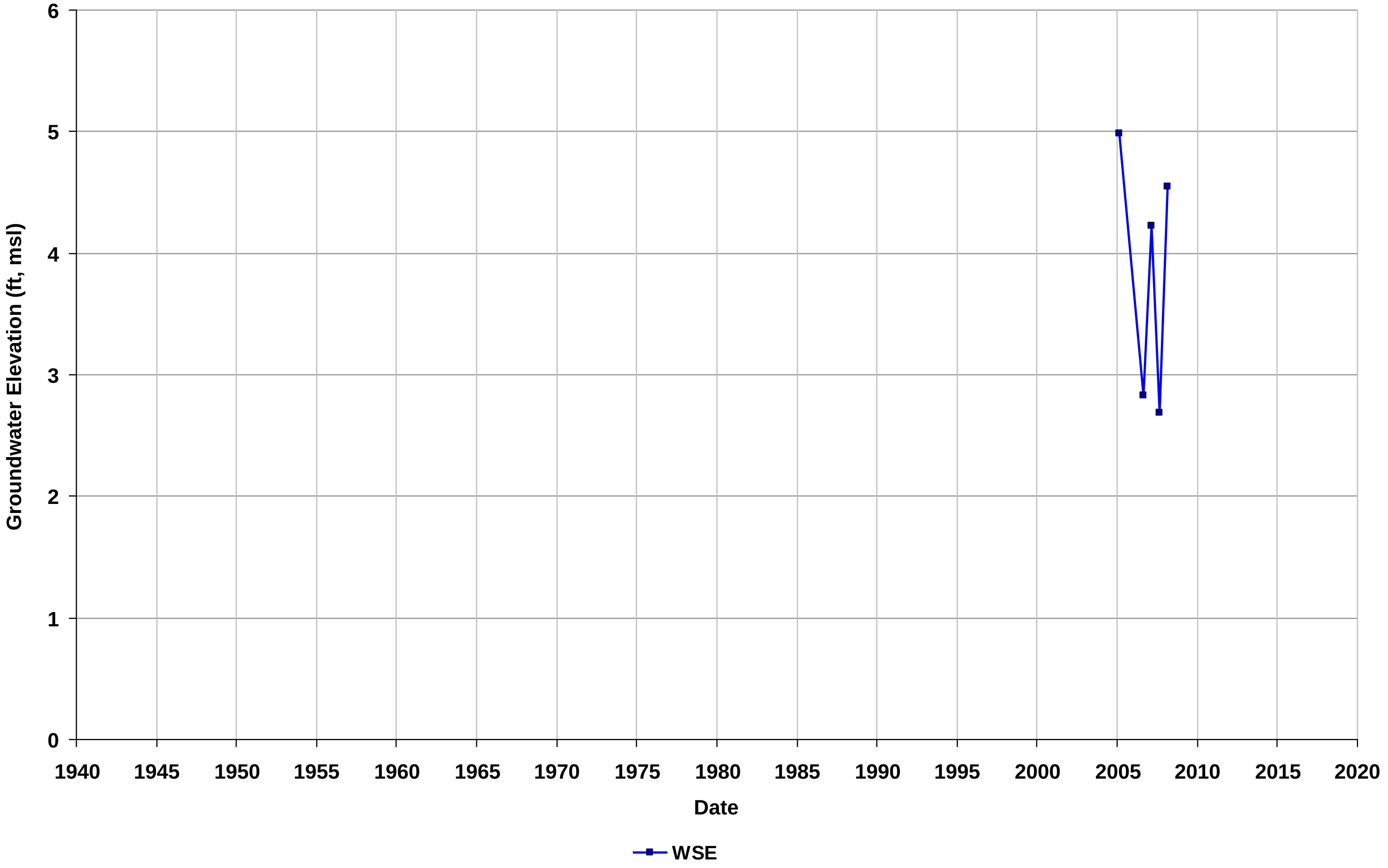
Well Name: SL0600135858-MW-16
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 10-20
T/R/S: 04S/02W/09
Well Use: Observation



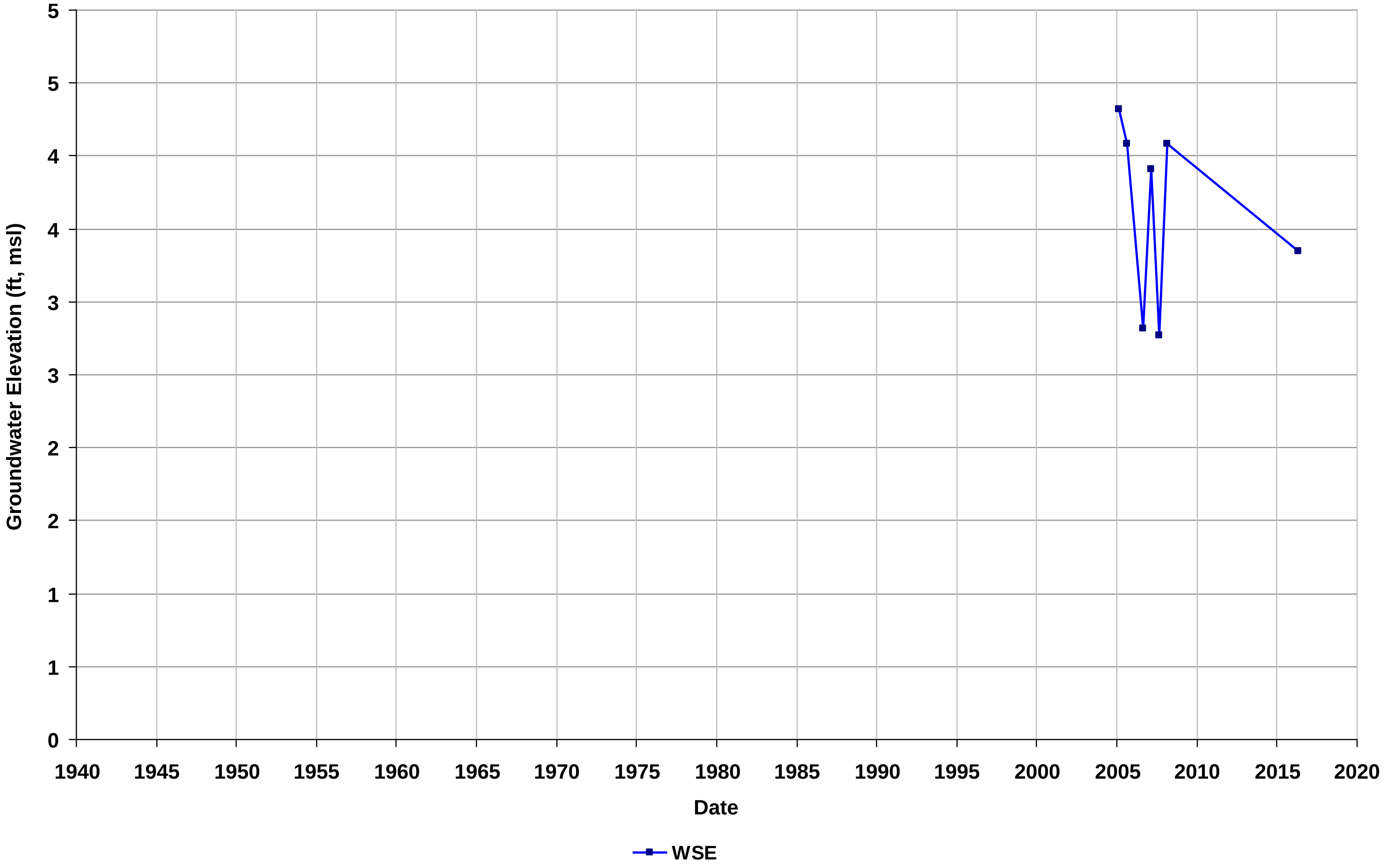
Well Name: SL0600135858-MW-2
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 4.5-24
T/R/S: 04S/02W/09
Well Use: Observation



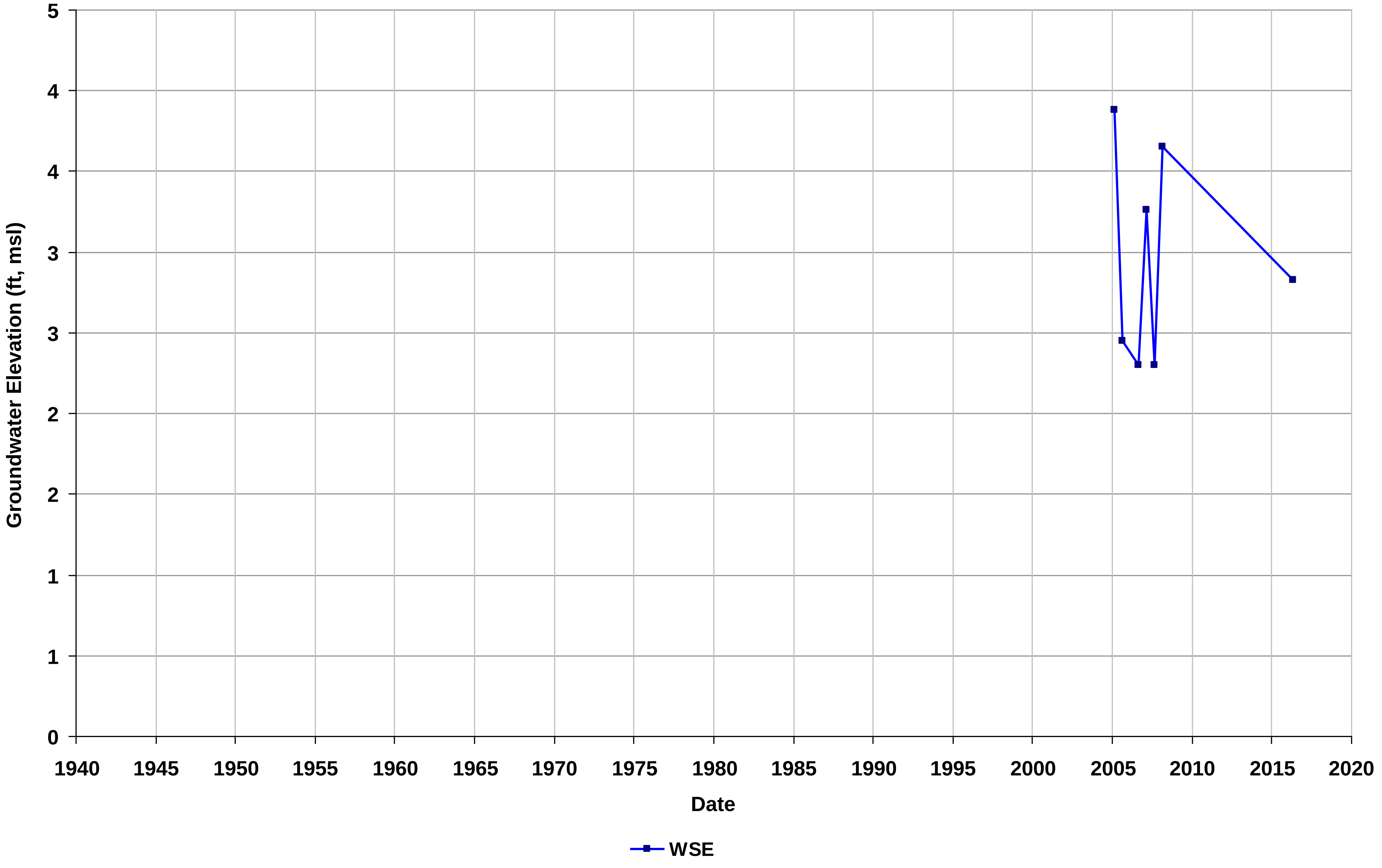
Well Name: SL0600135858-MW-7
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 8.5-24
T/R/S: 04S/02W/09
Well Use: Observation



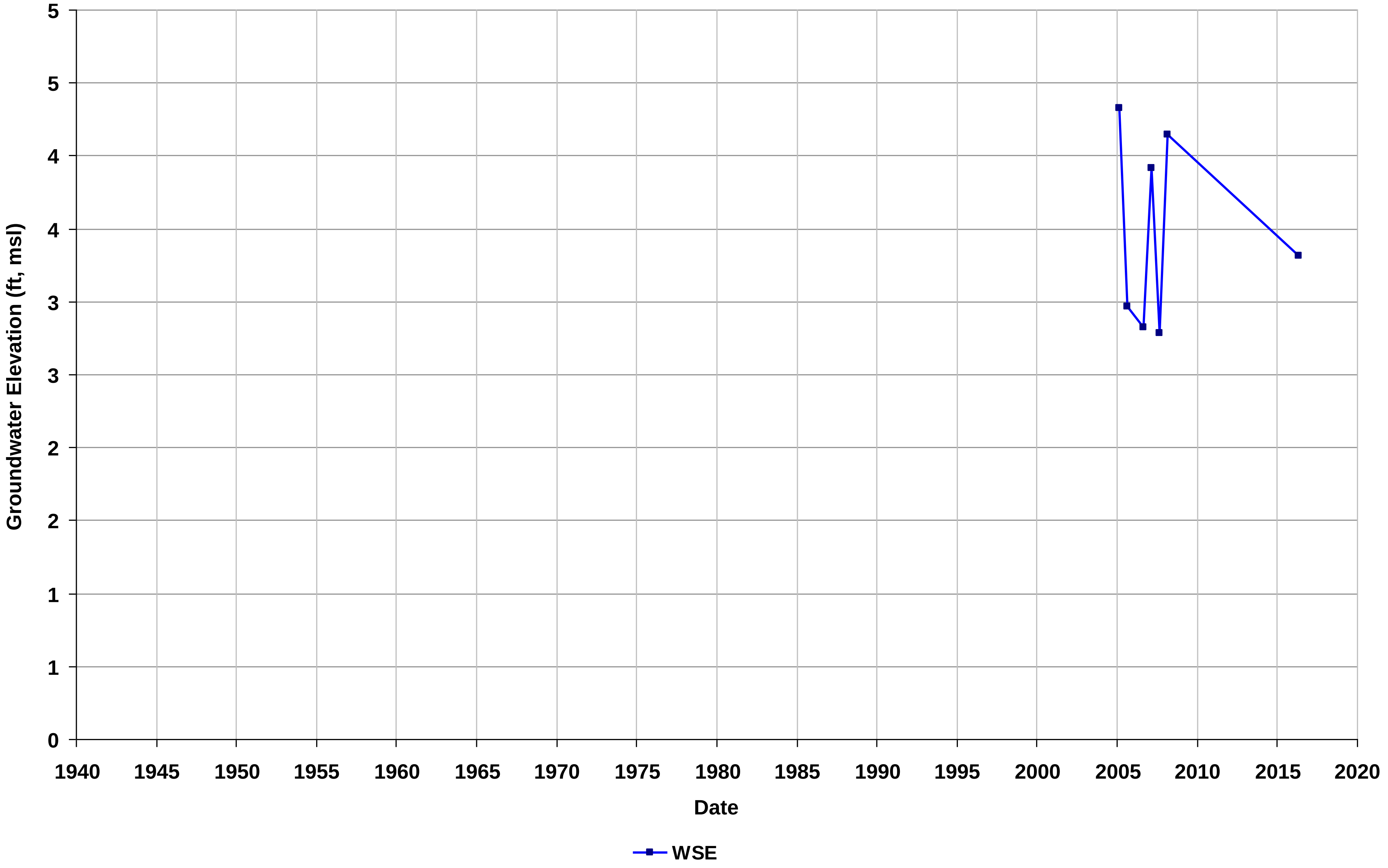
Well Name: SL0600135858-MW-8
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 12-22
T/R/S: 04S/02W/09
Well Use: Observation



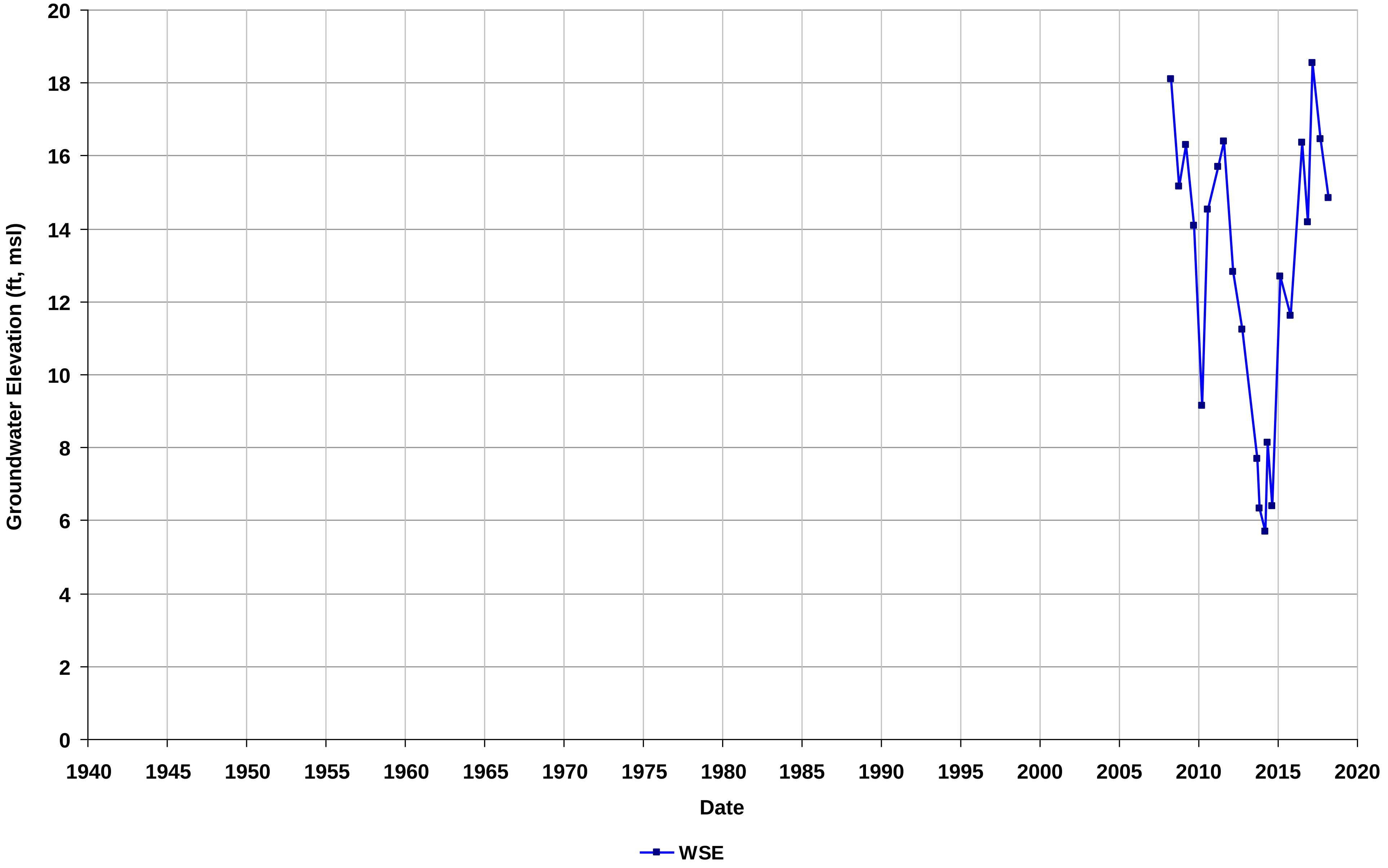
Well Name: SL0600135858-MW-9
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 12-22
T/R/S: 04S/02W/09
Well Use: Observation



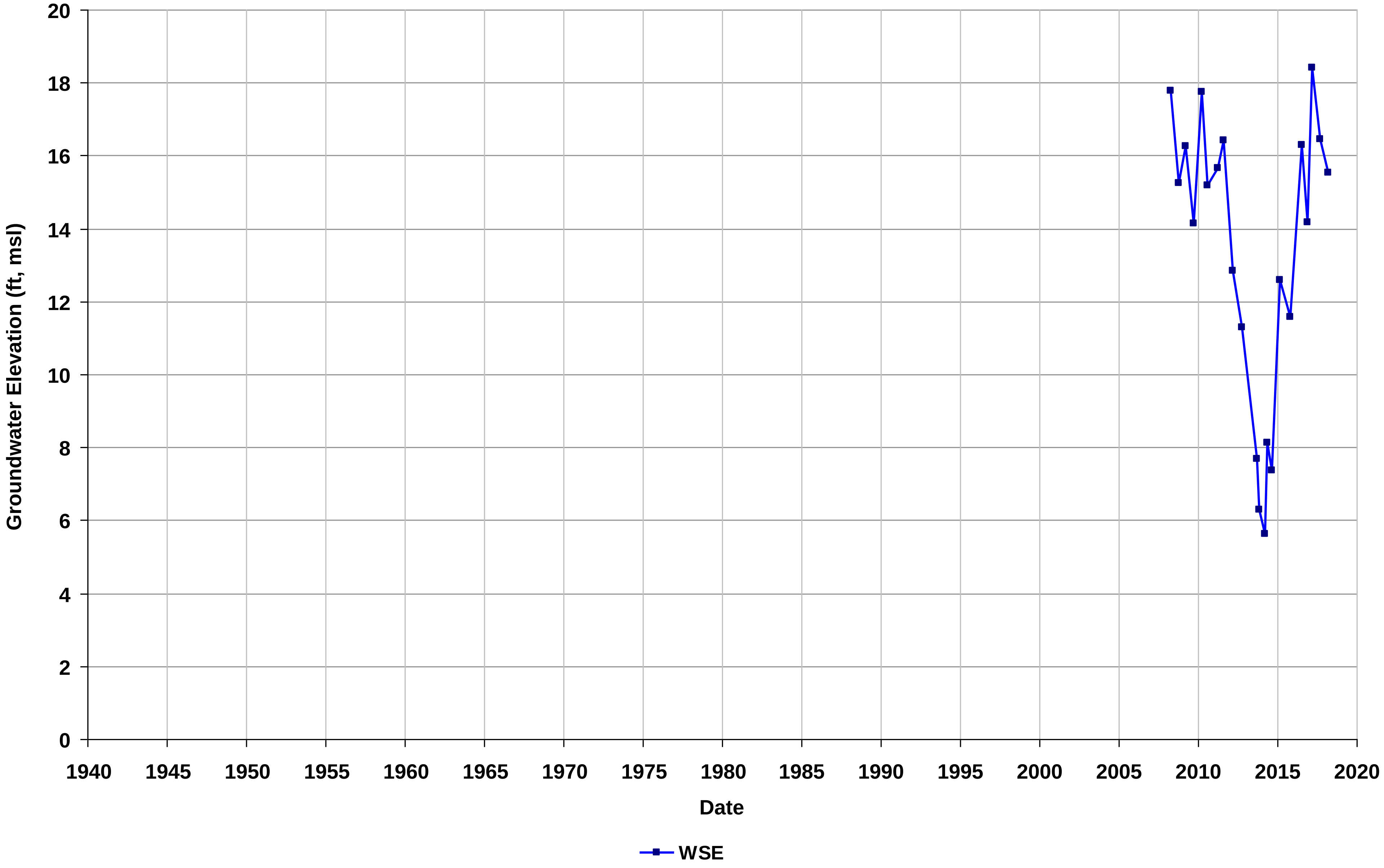
Well Name: SL0600144536-DM-1
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 40-46
T/R/S: n/a
Well Use: Observation



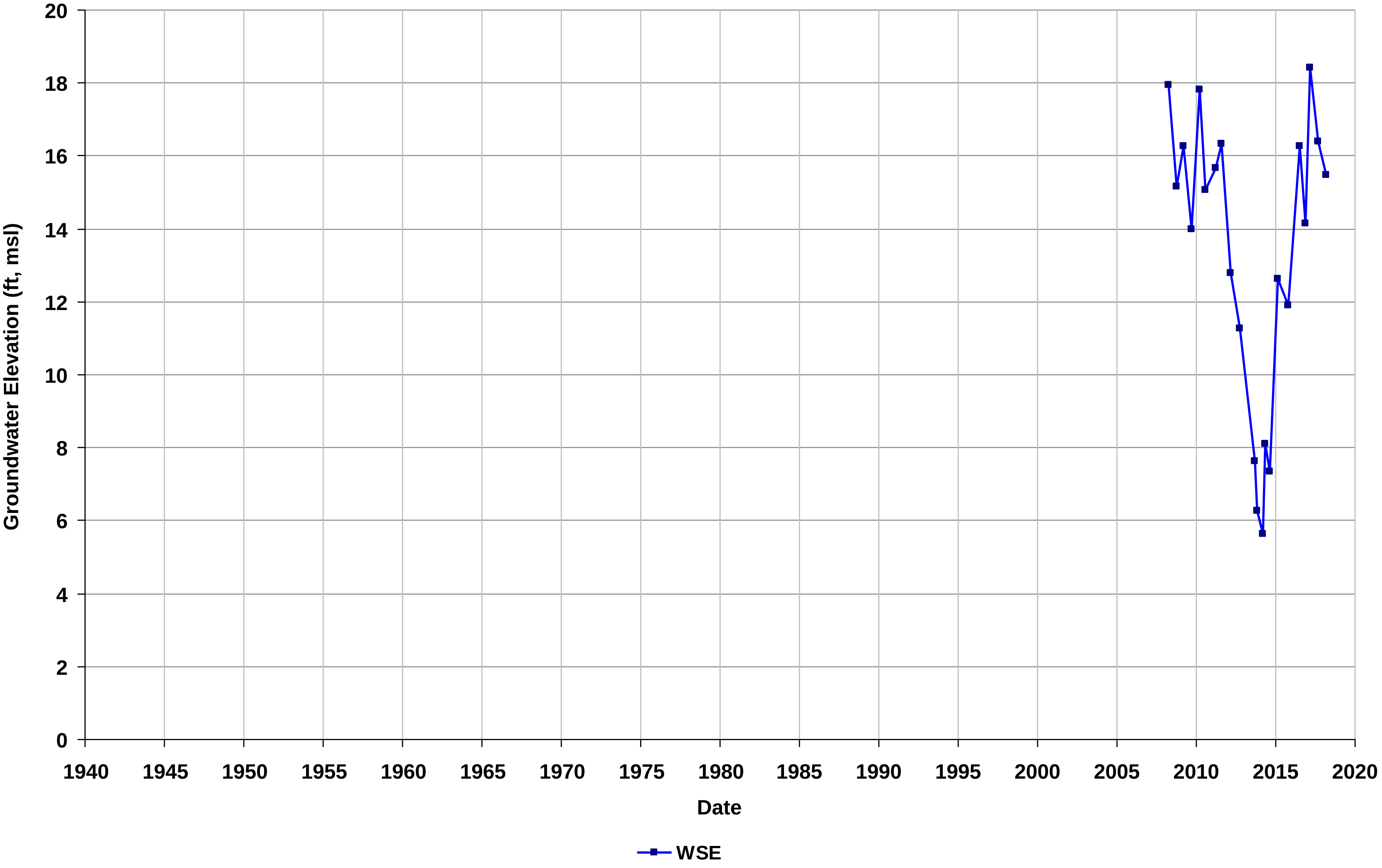
Well Name: SL0600144536-DM-3
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 18.5-35
T/R/S: n/a
Well Use: Observation



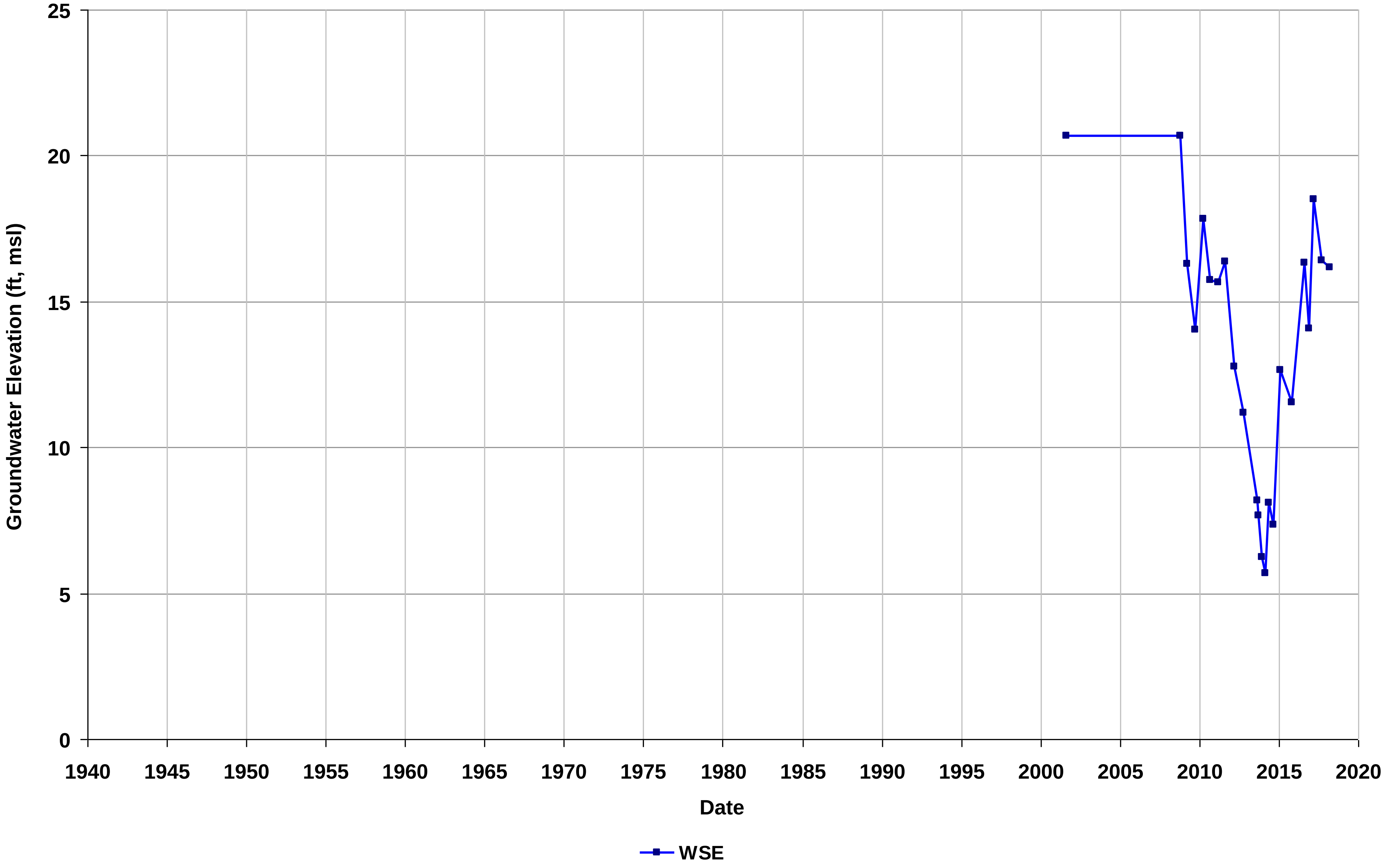
Well Name: SL0600144536-DM-4
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 27.5-43
T/R/S: n/a
Well Use: Observation



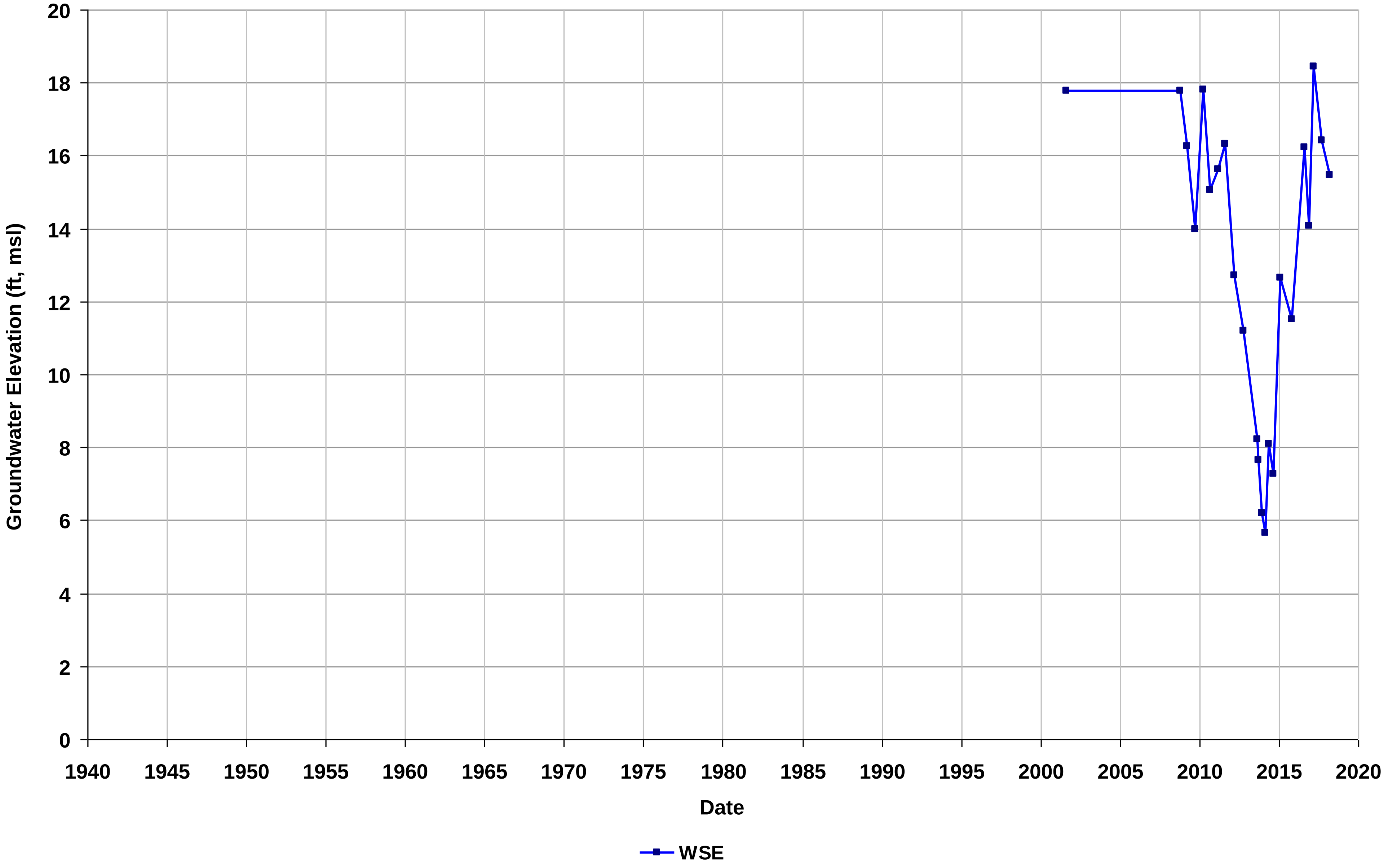
Well Name: SL0600144536-EW-1
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 31.5-46
T/R/S: n/a
Well Use: Observation



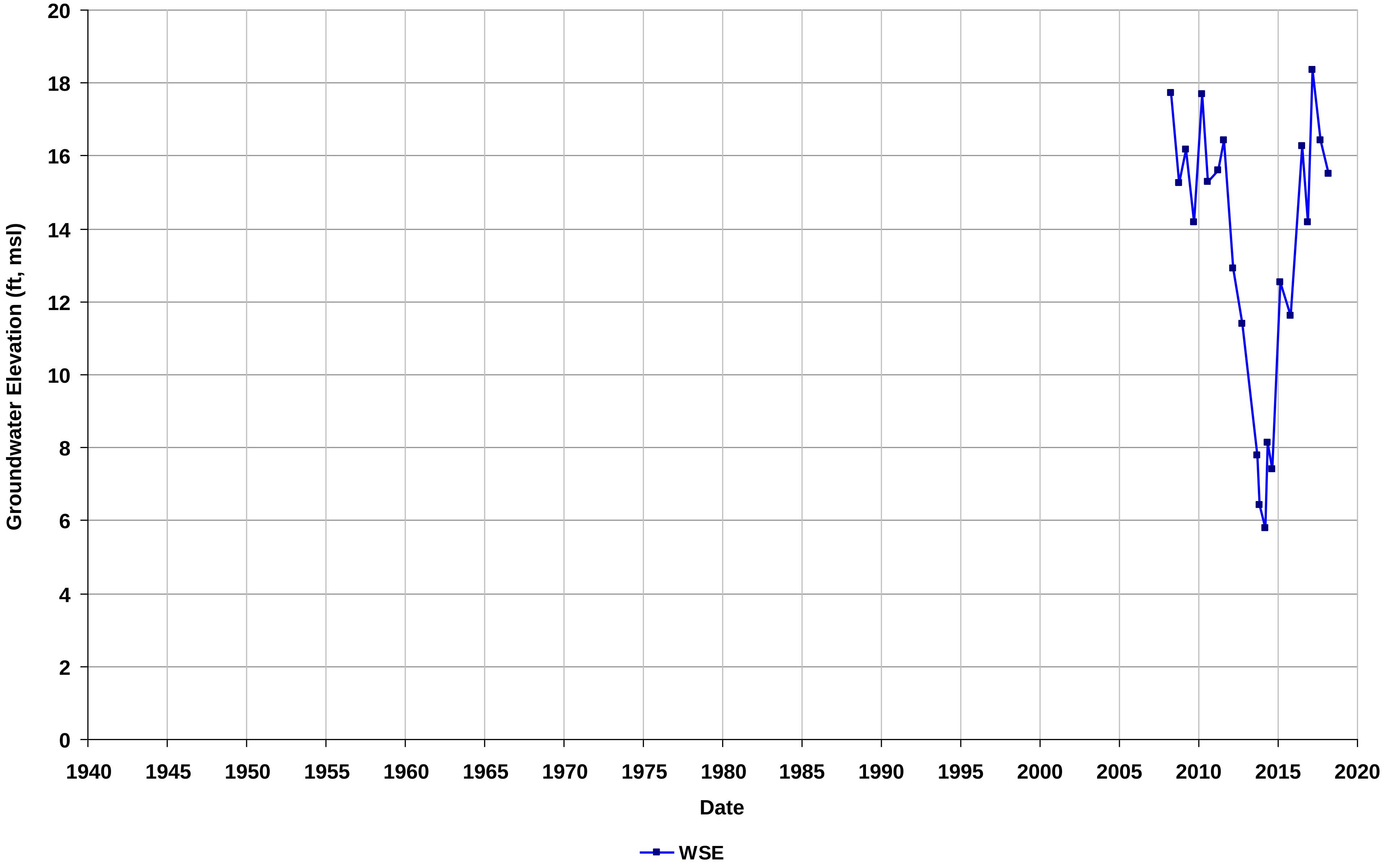
Well Name: SL0600144536-EW-2
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 32.5-46
T/R/S: n/a
Well Use: Observation



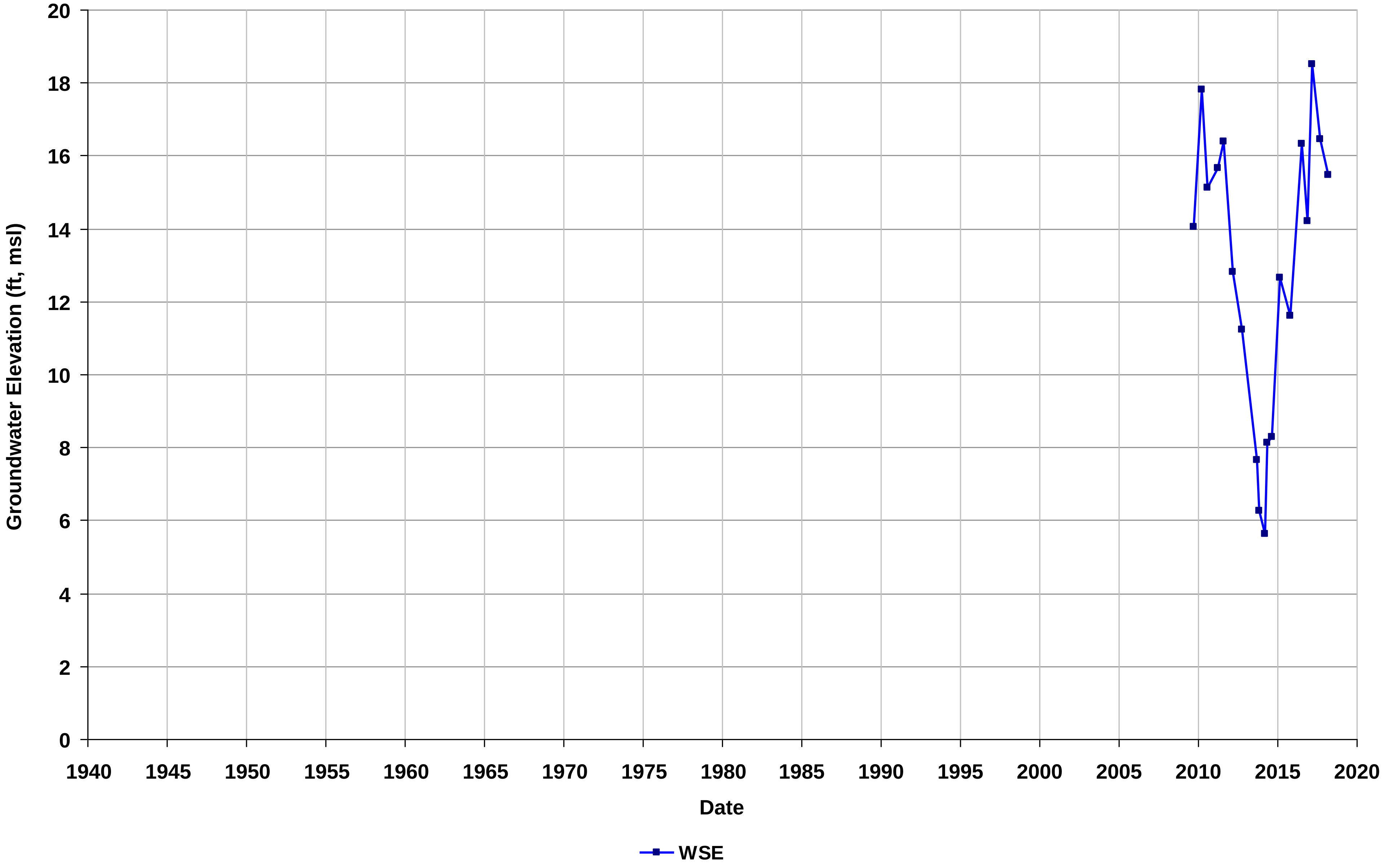
Well Name: SL0600144536-MW-7
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 23-34
T/R/S: n/a
Well Use: Observation



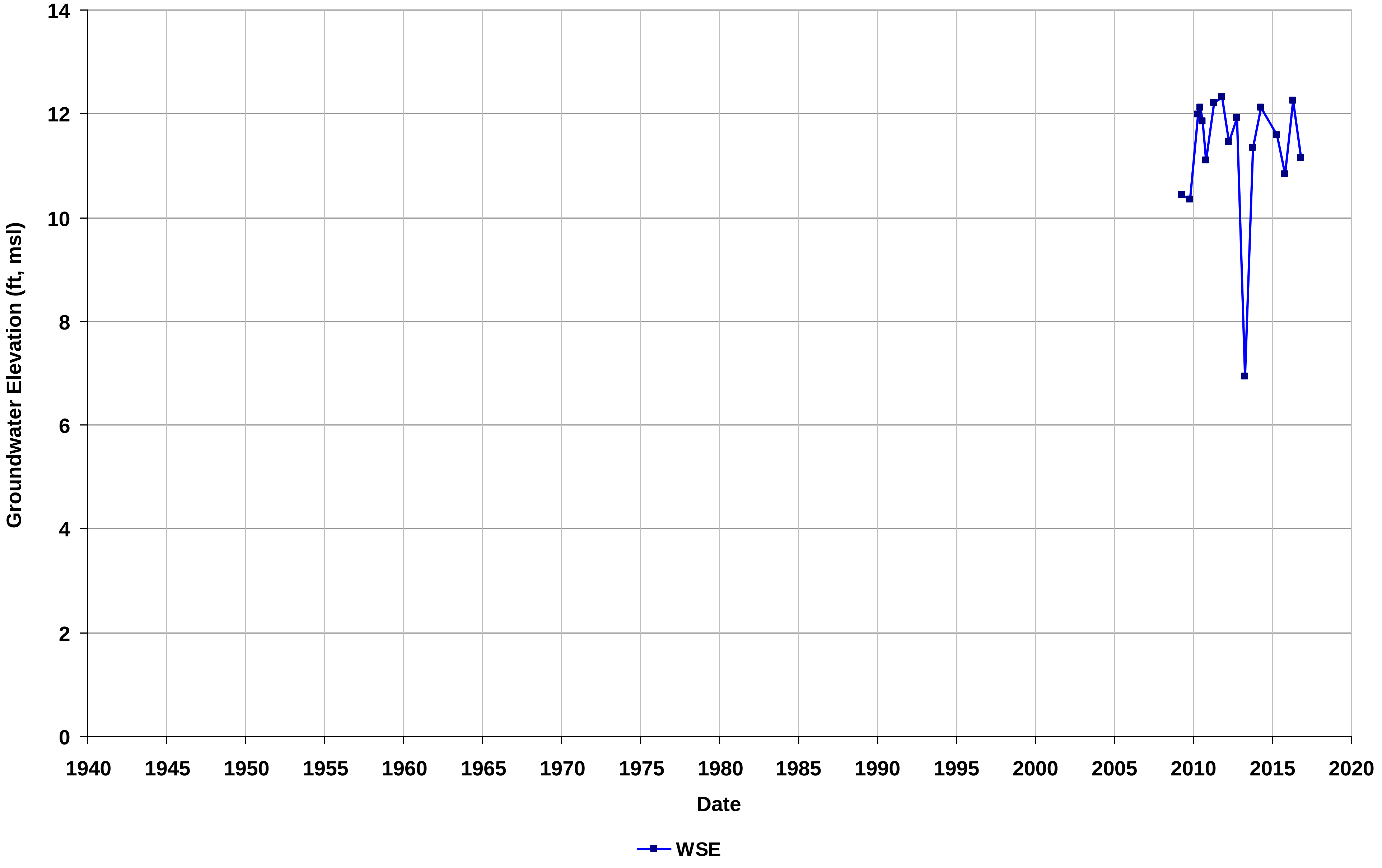
Well Name: SL0600144536-MW-9
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 20-45
T/R/S: n/a
Well Use: Observation



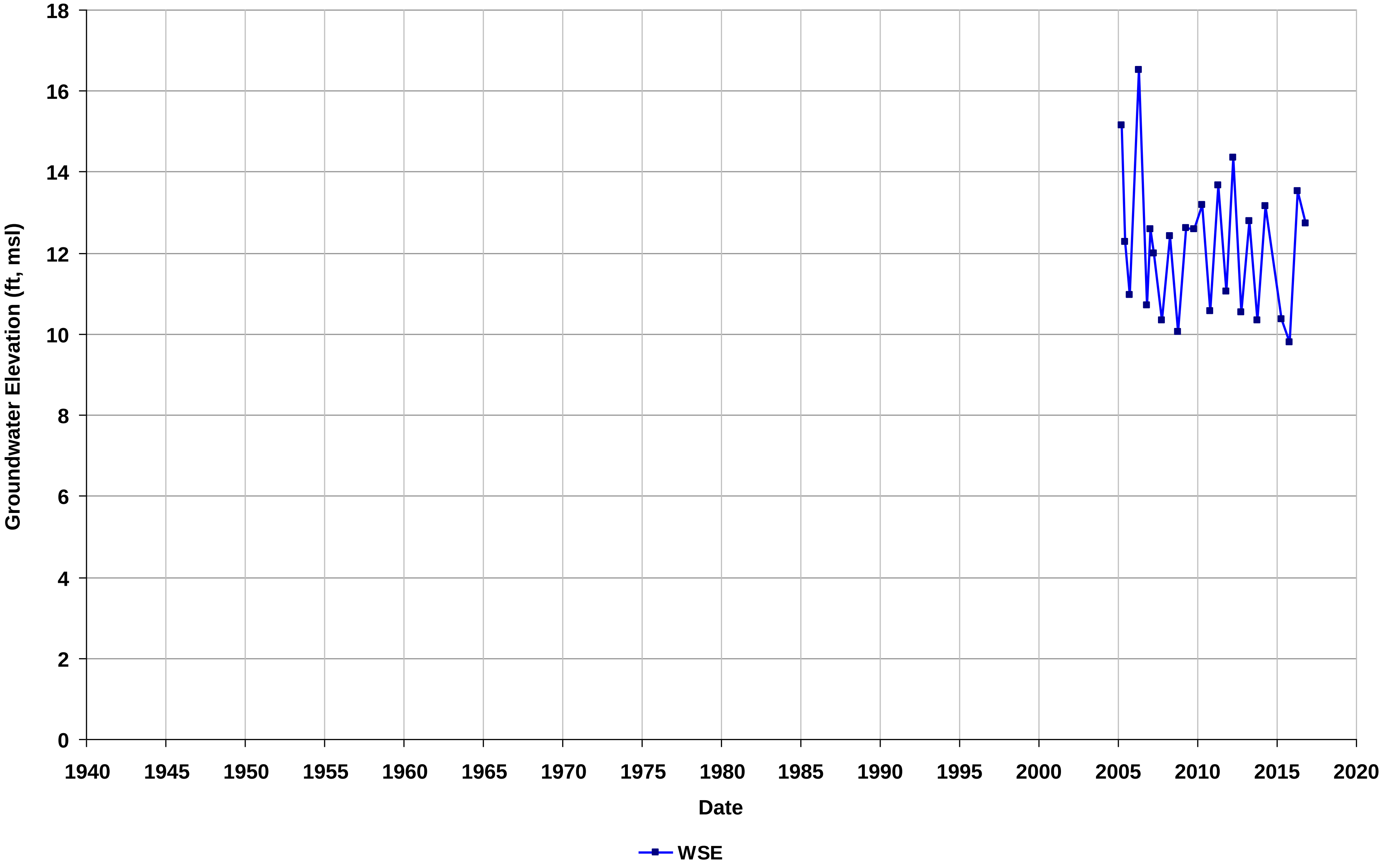
Well Name: SL0600161821-DPE-1-I
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 20-30
T/R/S: 02S/03W/08
Well Use: Observation



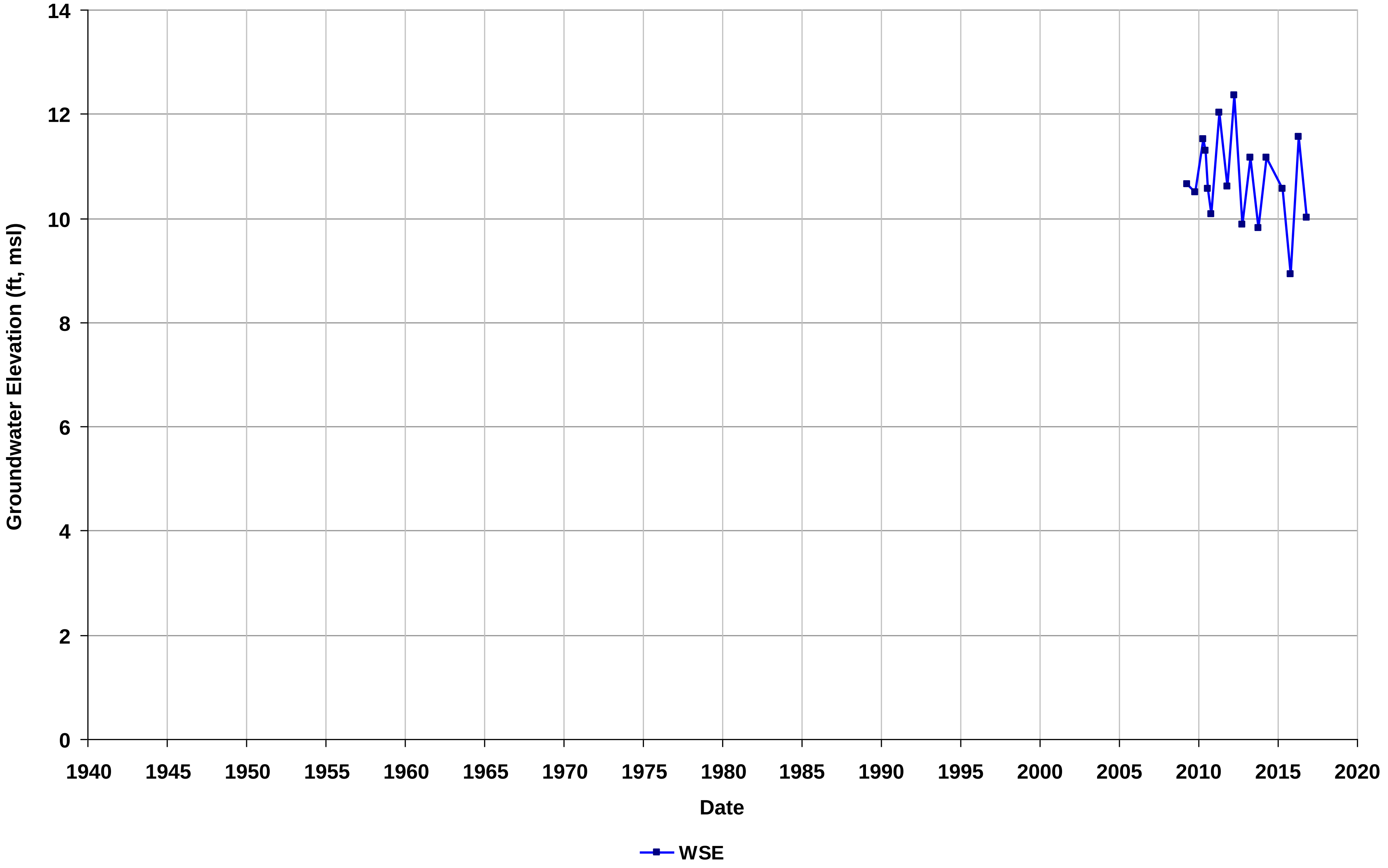
Well Name: SL0600161821-MW-12
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 13
Perf. Interval (ft bgs): 3.9-14
T/R/S: 02S/03W/08
Well Use: Observation



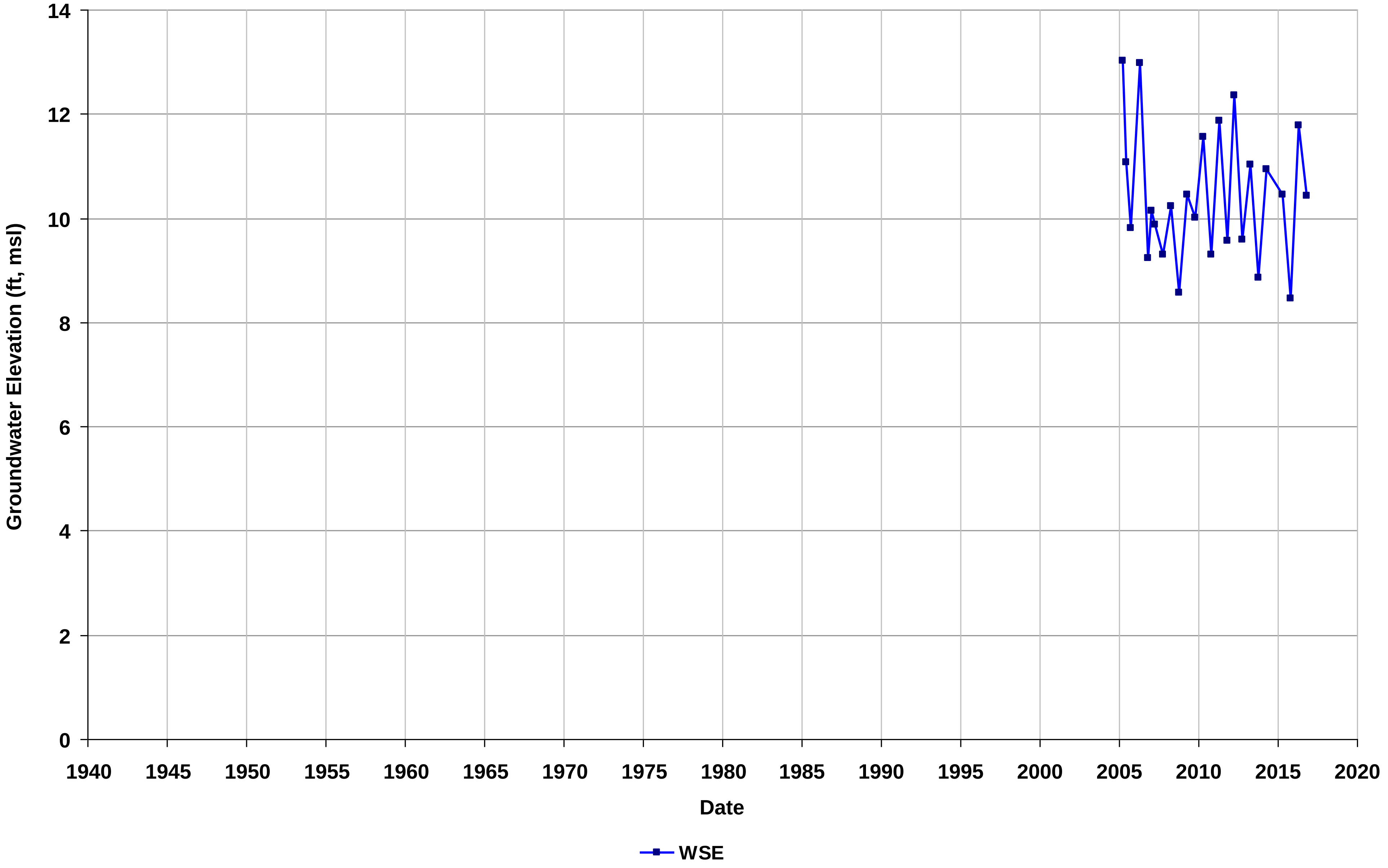
Well Name: SL0600161821-MW-13R
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 30
Perf. Interval (ft bgs): 20-30
T/R/S: 02S/03W/08
Well Use: Observation



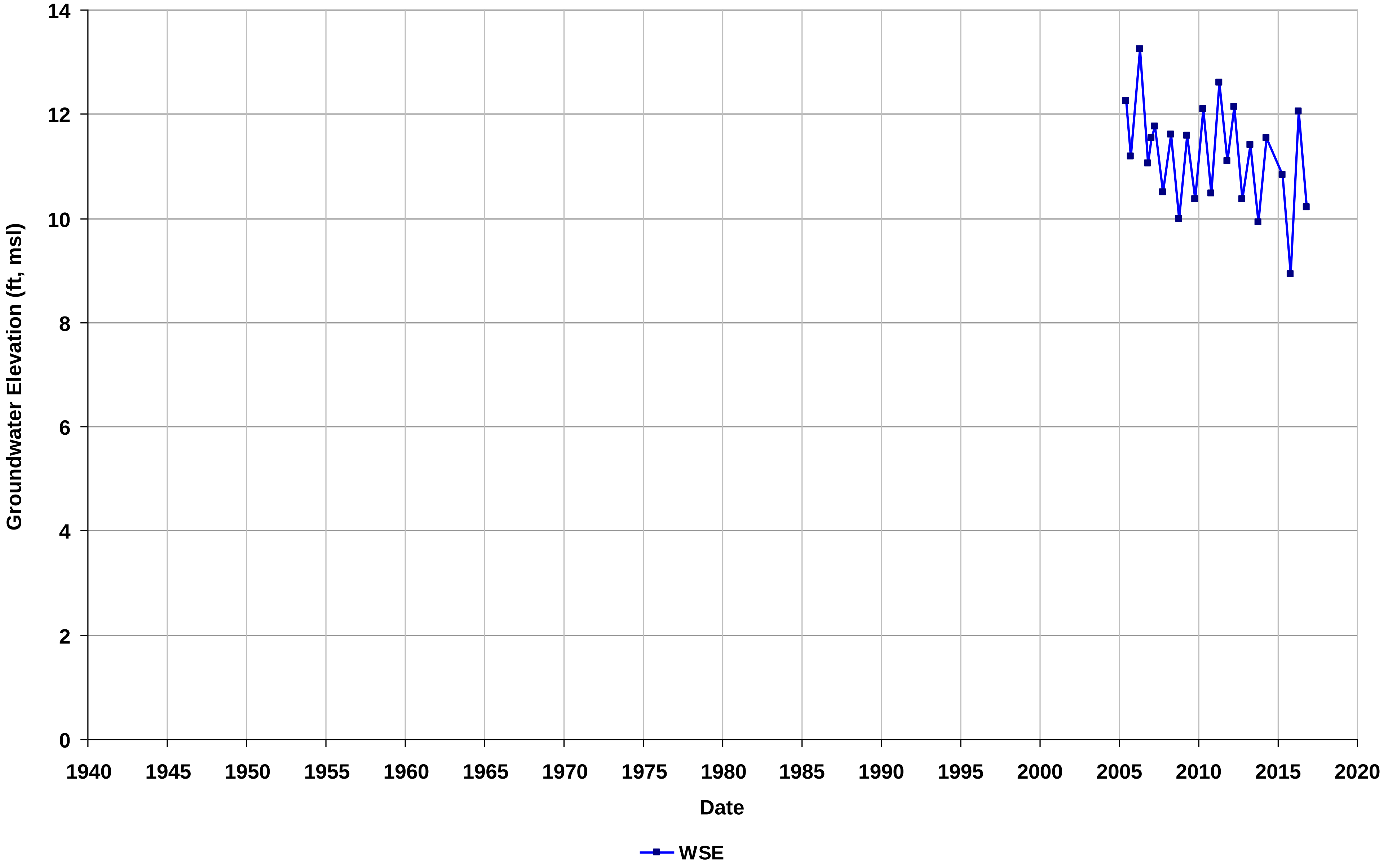
Well Name: SL0600161821-MW-14
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 19
Perf. Interval (ft bgs): 5.5-20
T/R/S: 02S/03W/08
Well Use: Observation



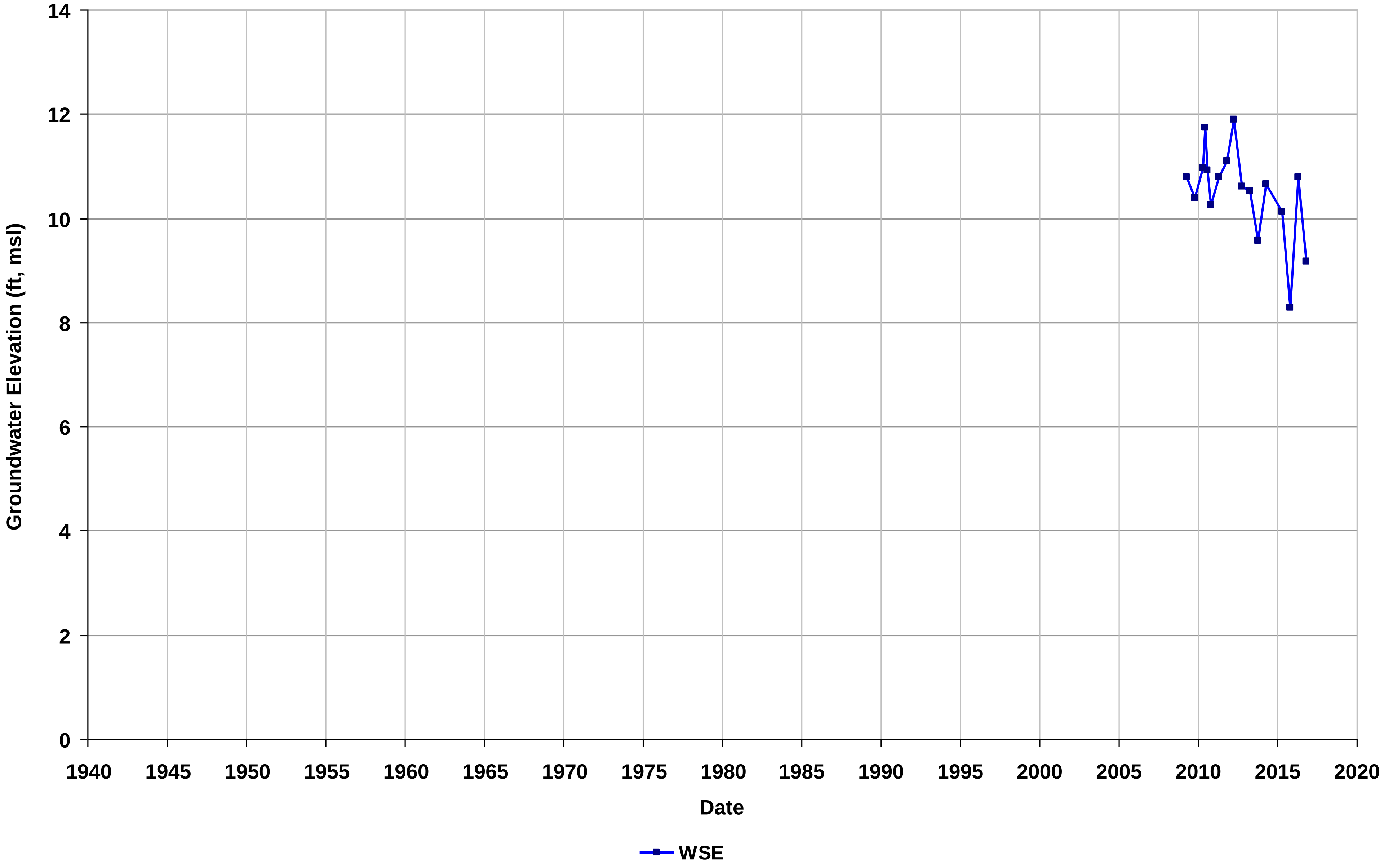
Well Name: SL0600161821-MW-15
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 18
Perf. Interval (ft bgs): 3.9-19
T/R/S: 02S/03W/08
Well Use: Observation



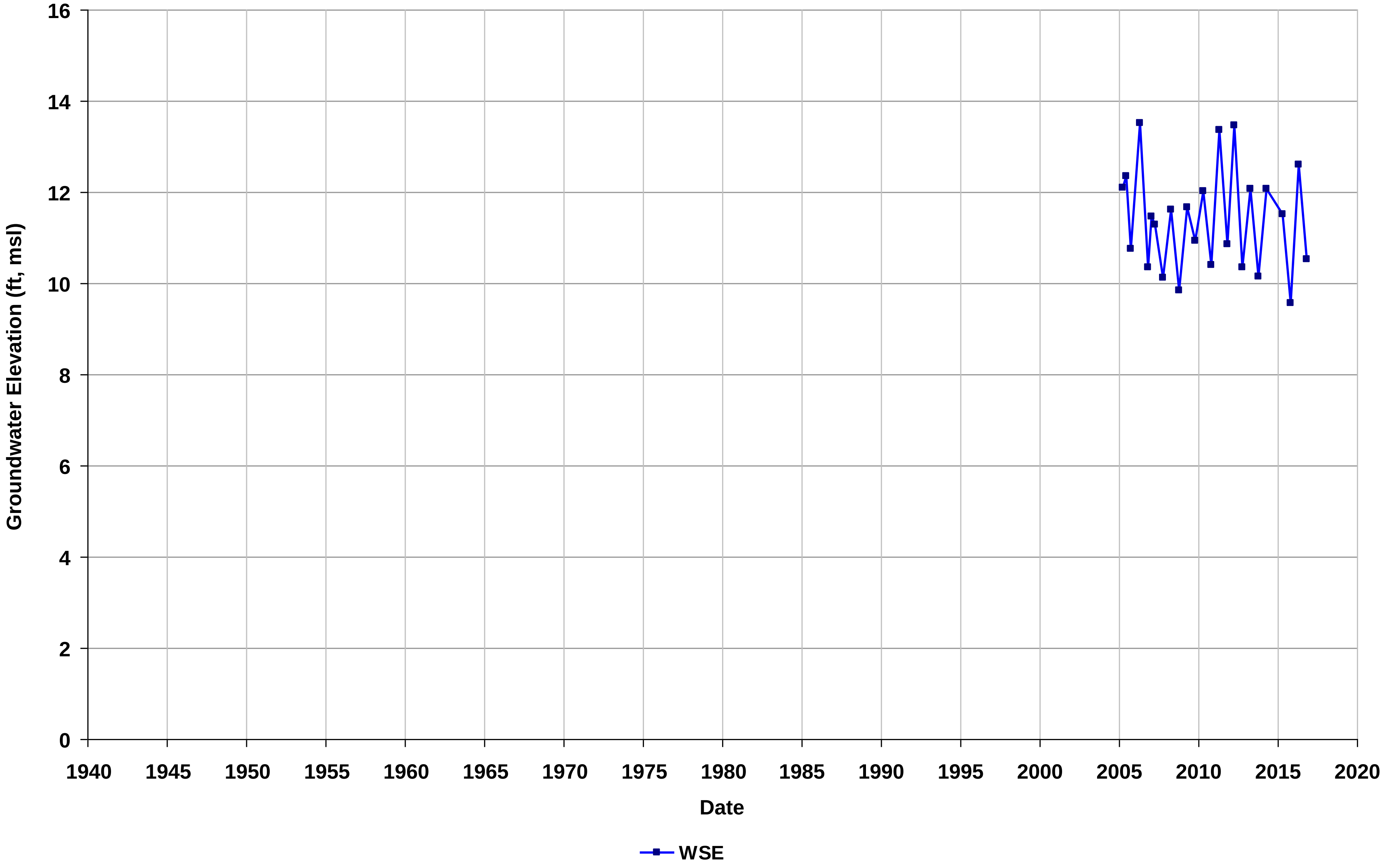
Well Name: SL0600161821-MW-17R
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 30
Perf. Interval (ft bgs): 20-30
T/R/S: 02S/03W/08
Well Use: Observation



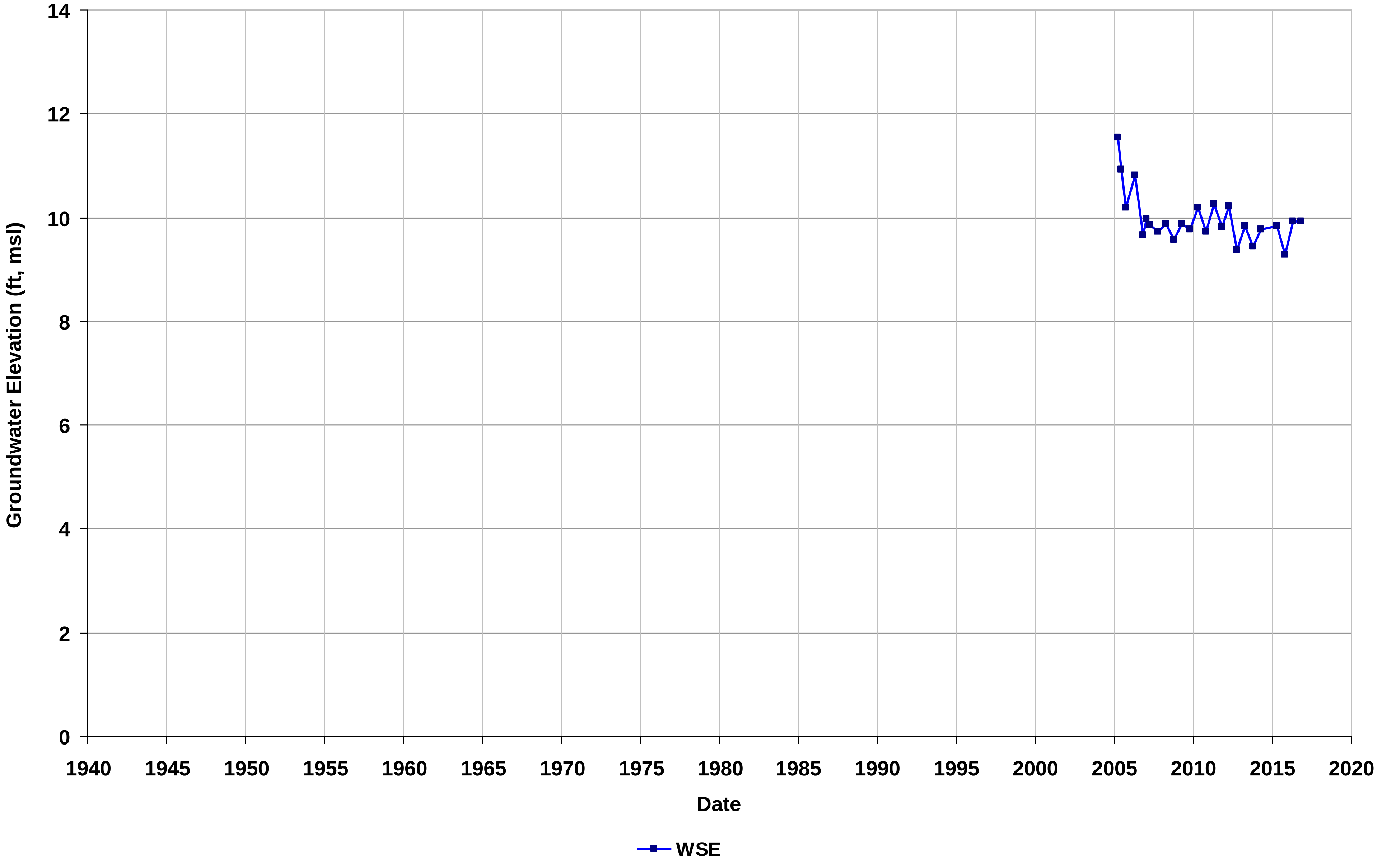
Well Name: SL0600161821-MW-18
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 5.5-20
T/R/S: 02S/03W/08
Well Use: Observation



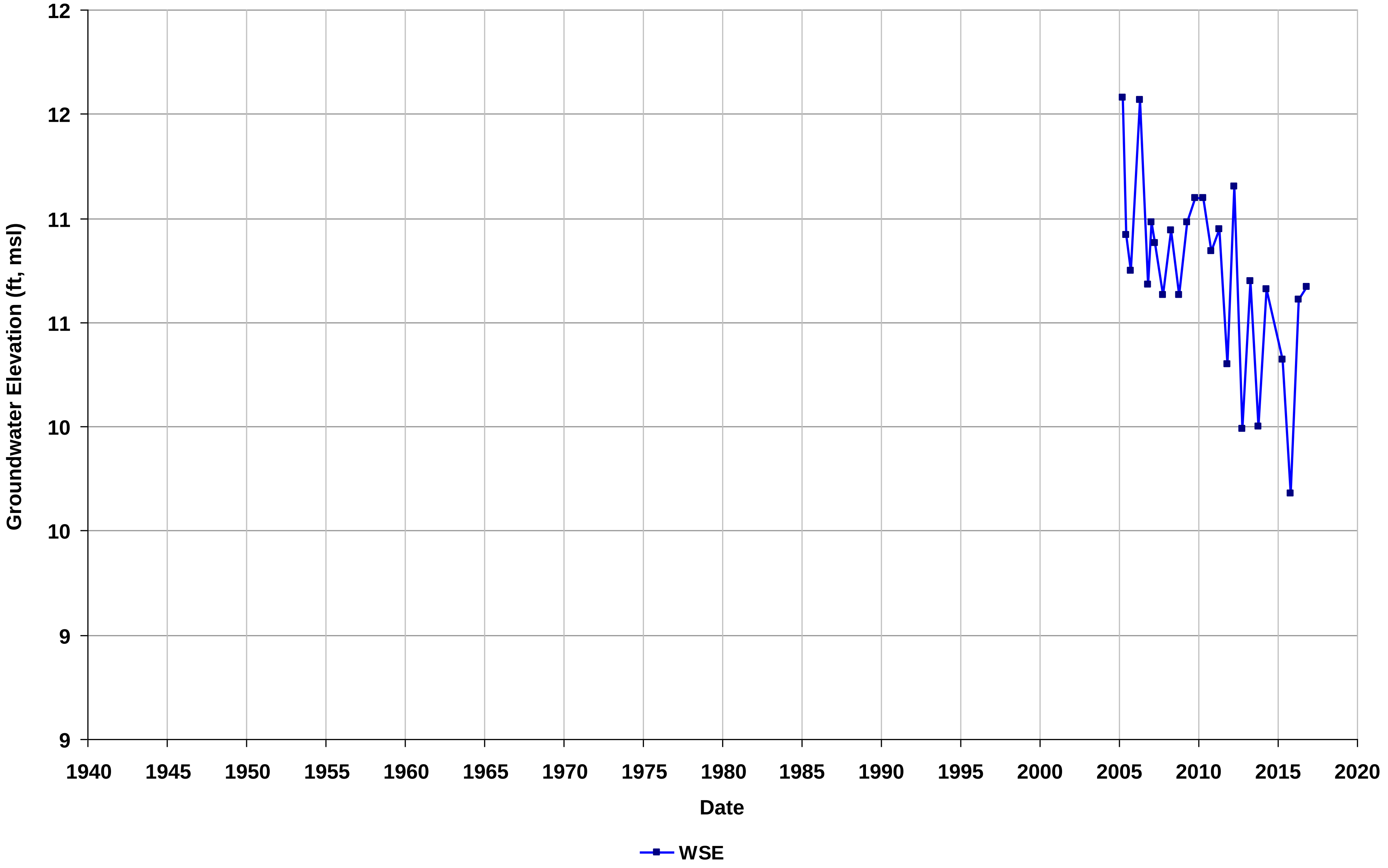
Well Name: SL0600161821-MW-19
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 5.5-20
T/R/S: 02S/03W/08
Well Use: Observation



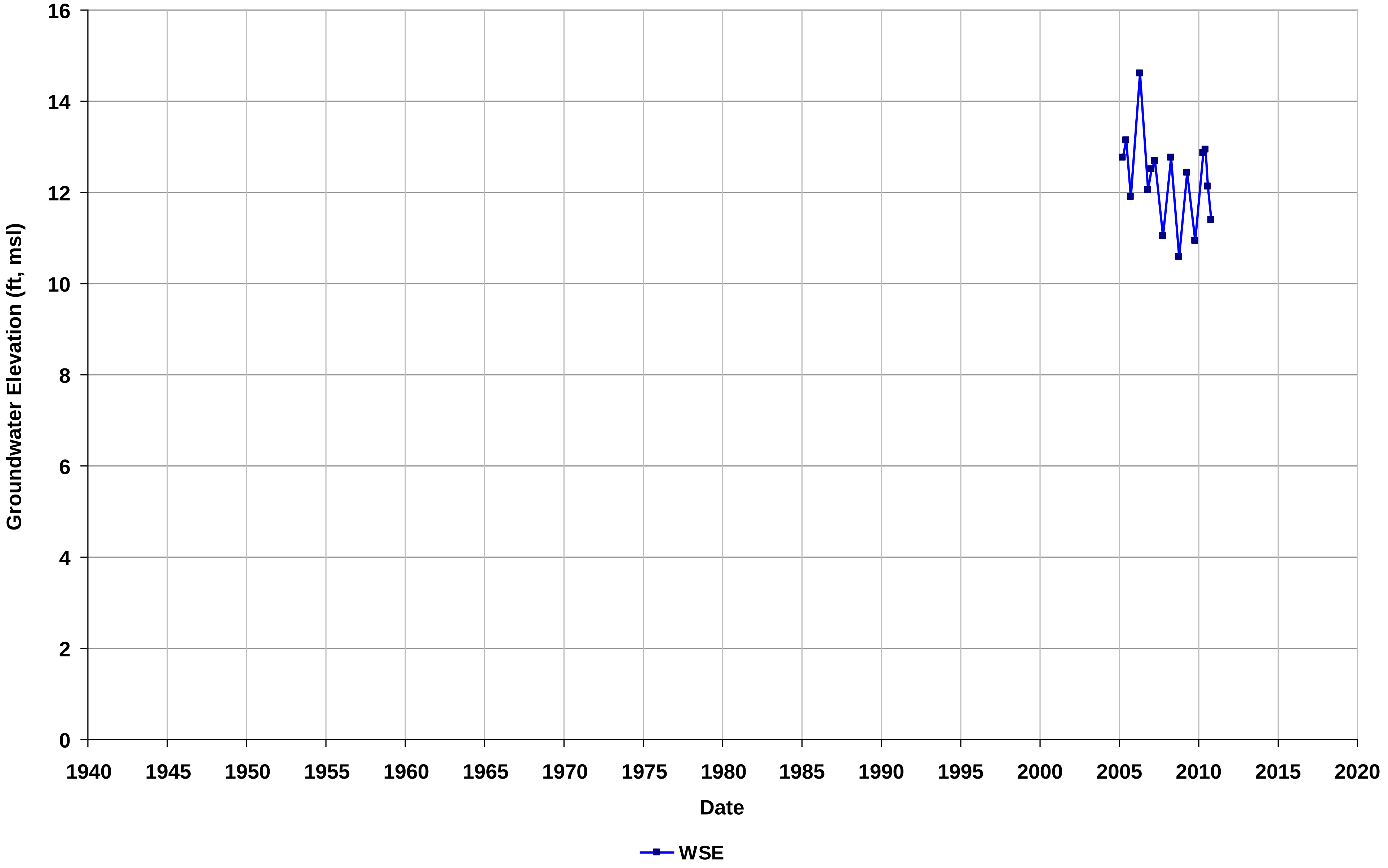
Well Name: SL0600161821-MW-20
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 5.5-20
T/R/S: 02S/03W/08
Well Use: Observation



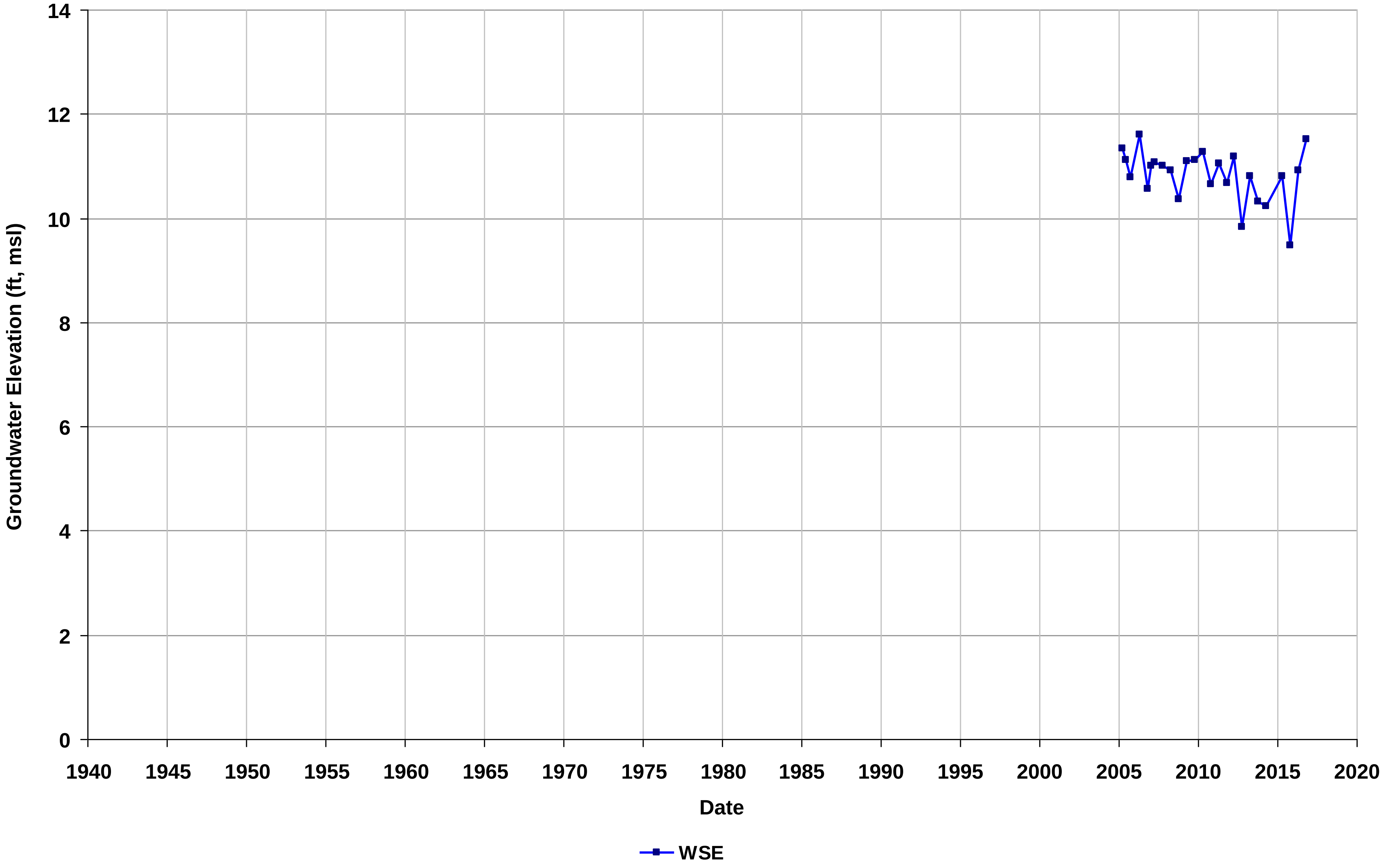
Well Name: SL0600161821-MW-21
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 44-48
T/R/S: 02S/03W/08
Well Use: Observation



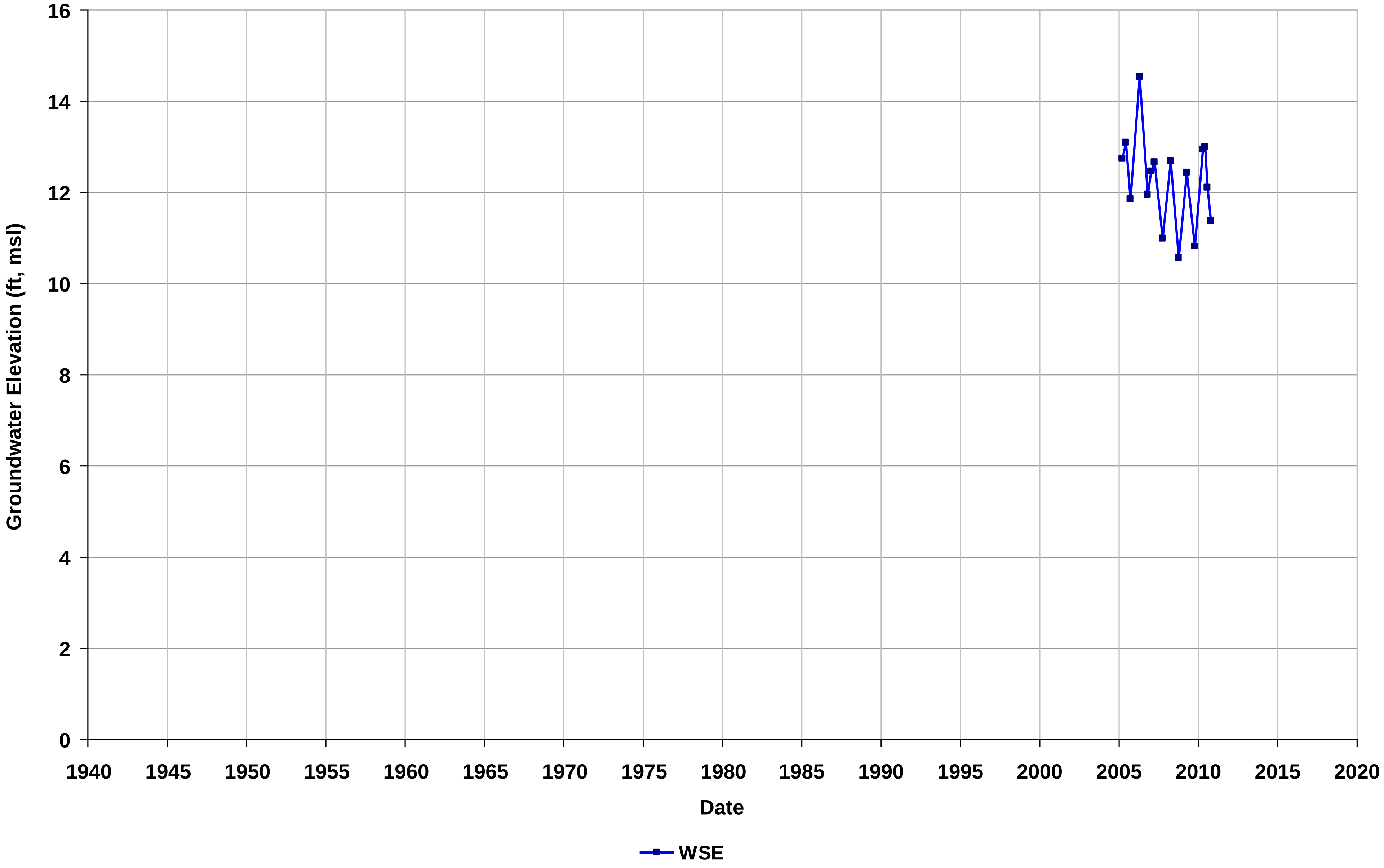
Well Name: SL0600161821-MW-22
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 5-20
T/R/S: 02S/03W/08
Well Use: Observation



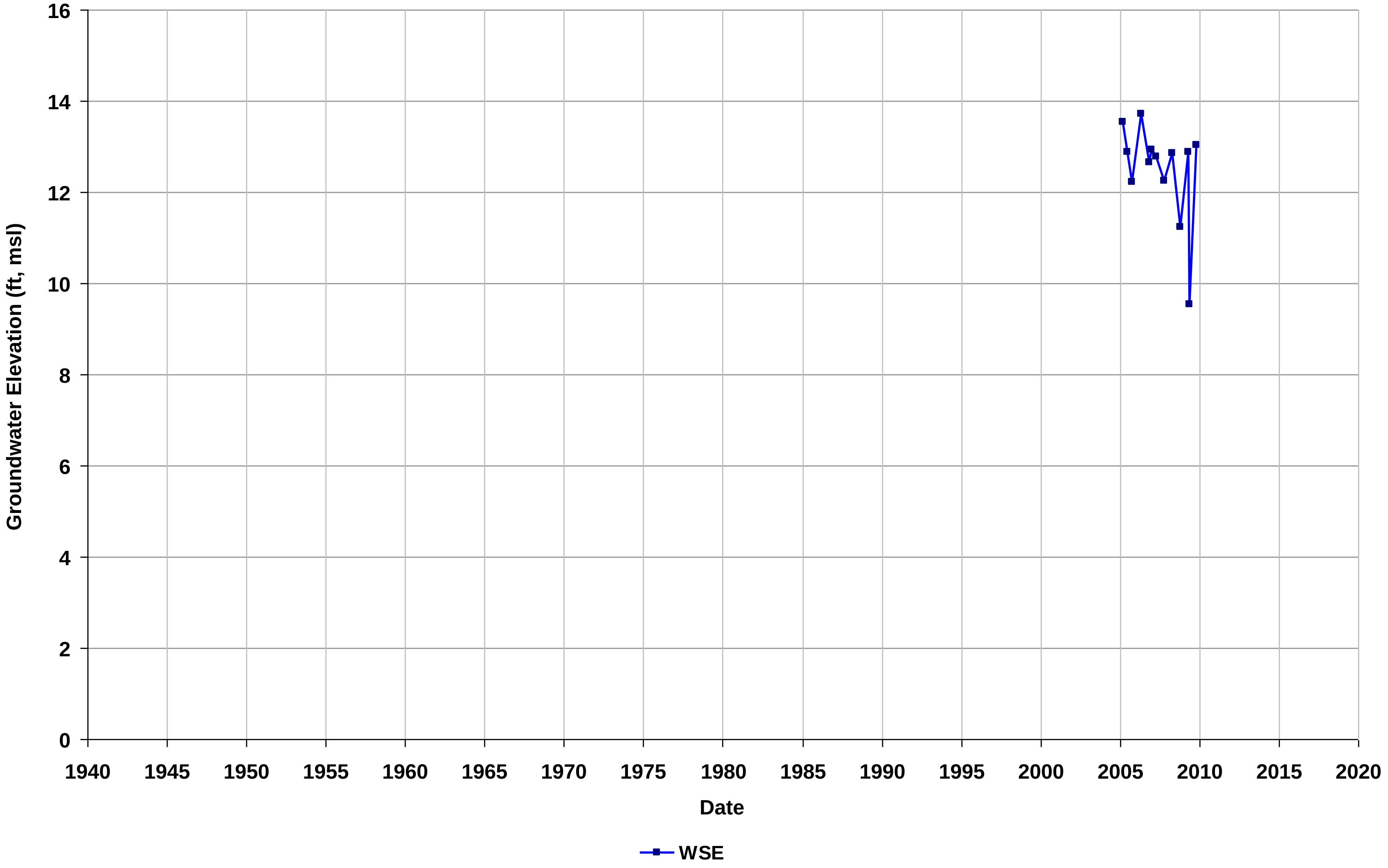
Well Name: SL0600161821-MW-23
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 38.4-48
T/R/S: 02S/03W/08
Well Use: Observation



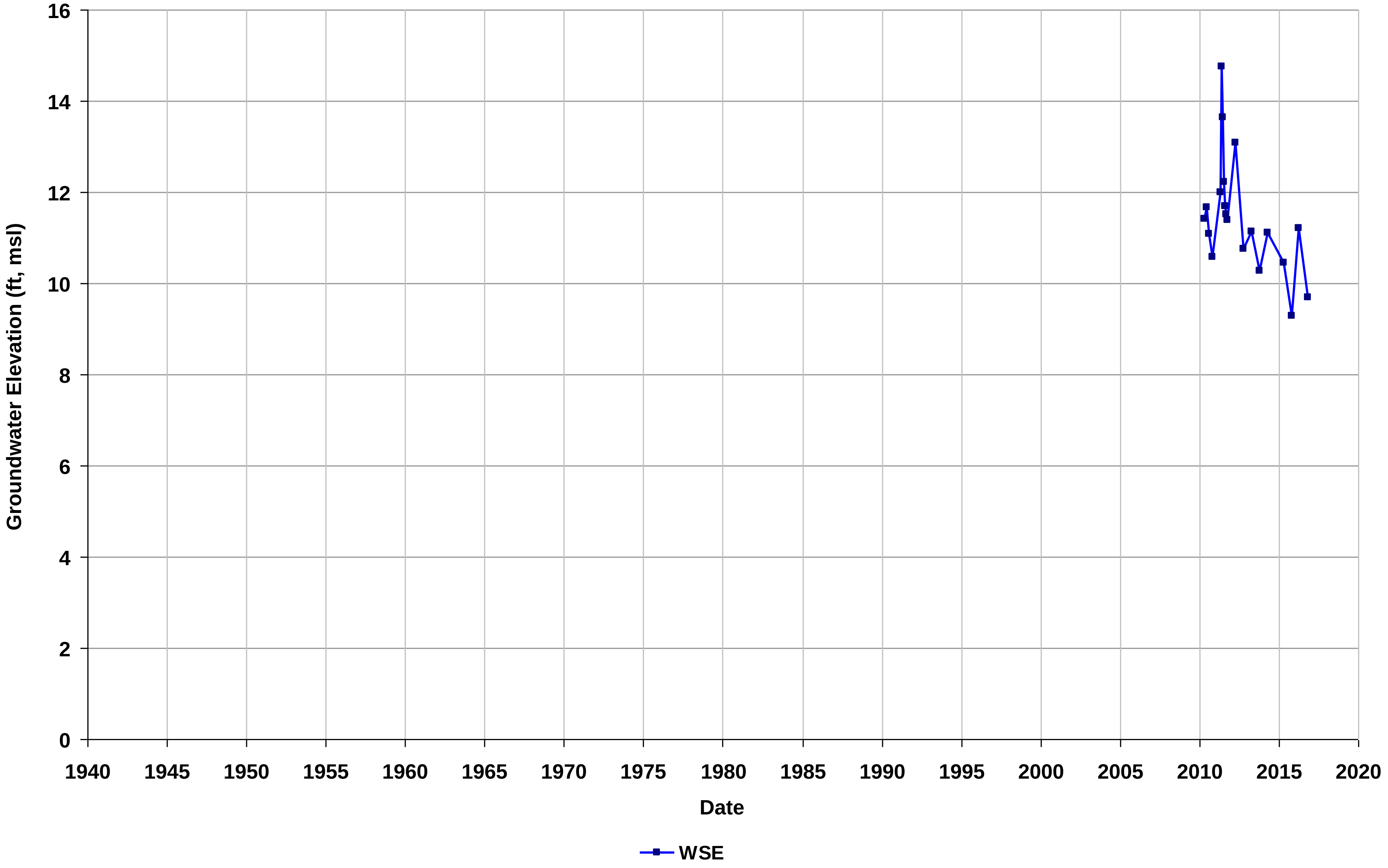
Well Name: SL0600161821-MW-24
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 7-22
T/R/S: 02S/03W/08
Well Use: Observation



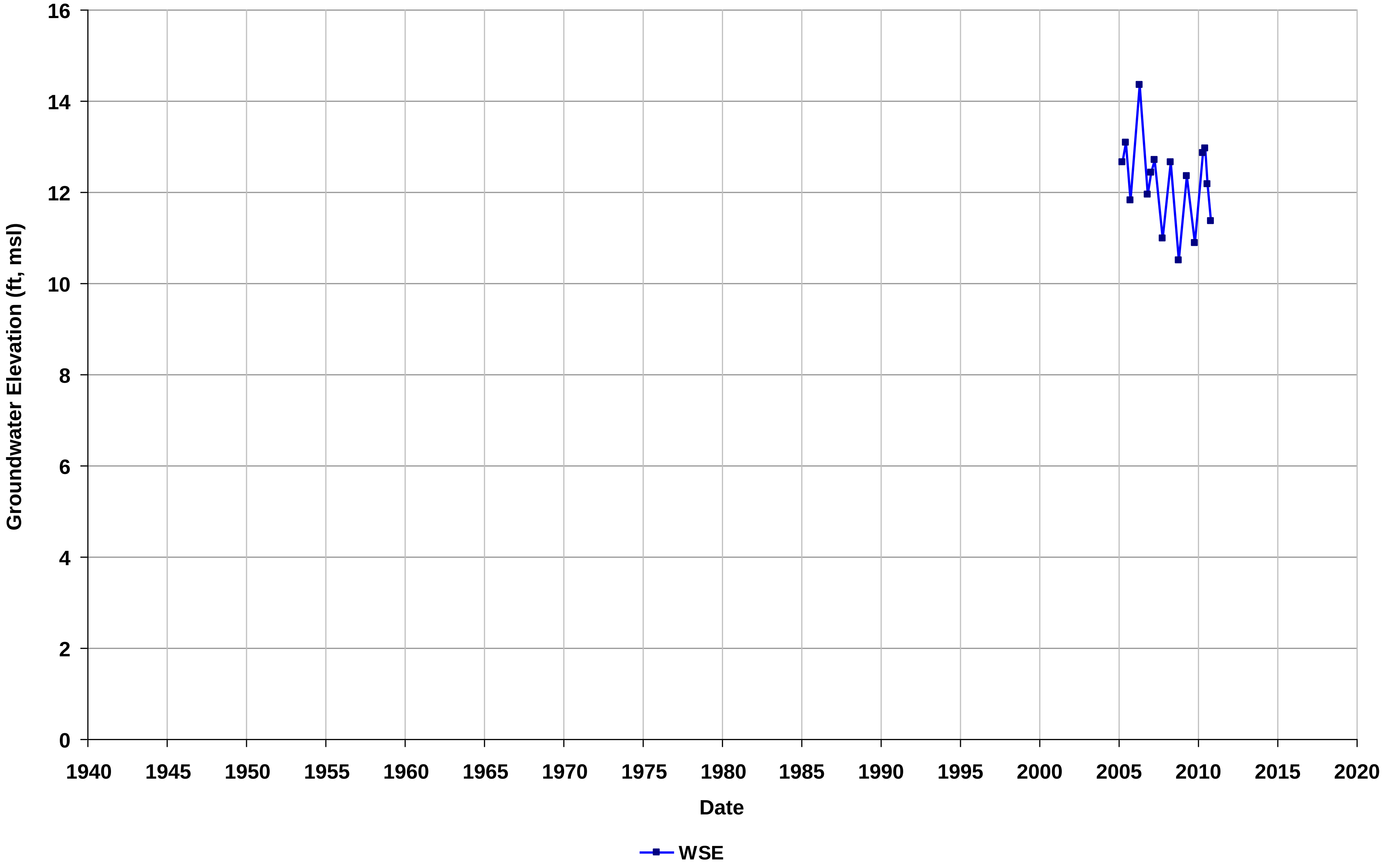
Well Name: SL0600161821-MW-24R
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 25-35
T/R/S: 02S/03W/08
Well Use: Observation



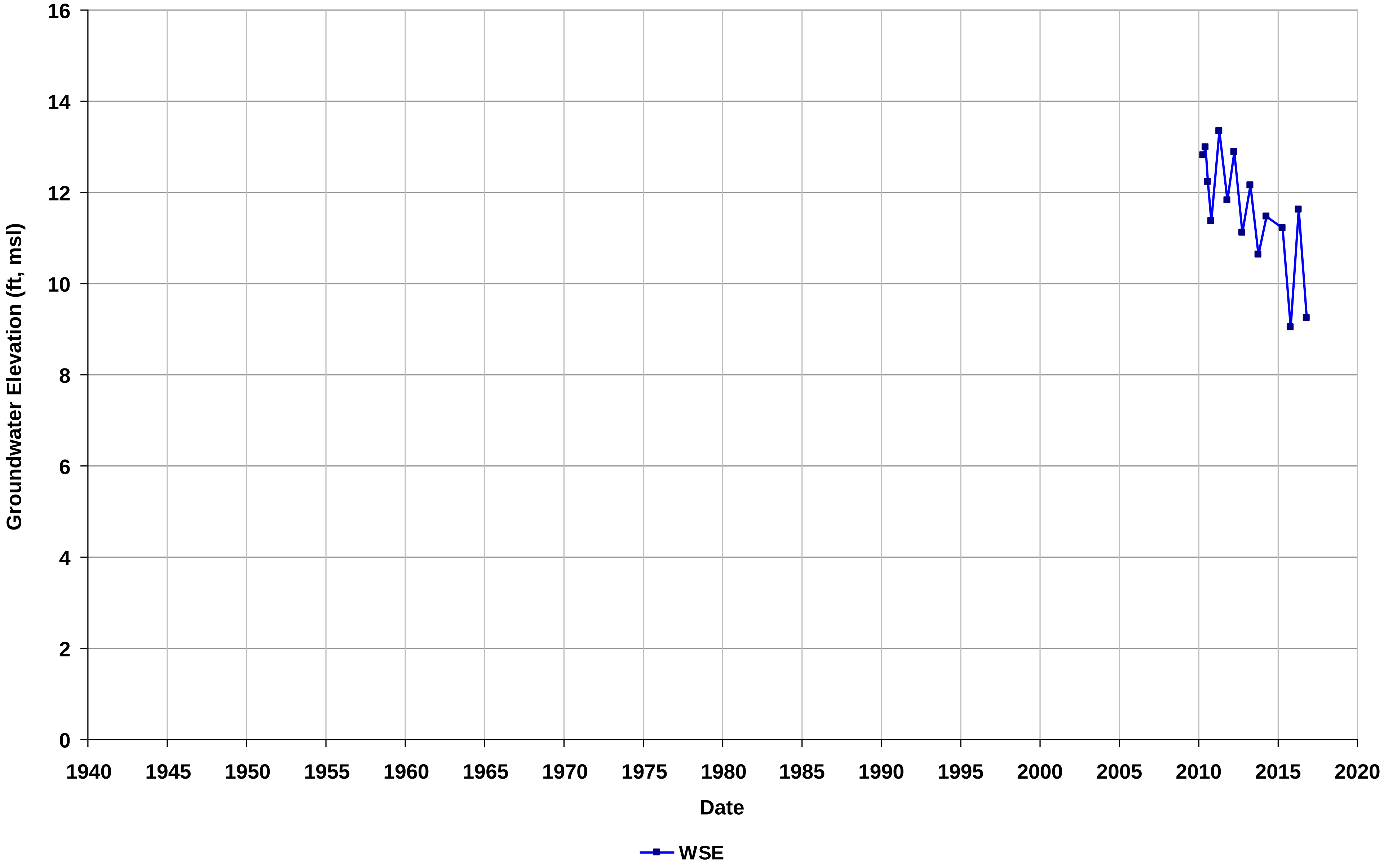
Well Name: SL0600161821-MW-25
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 39.3-50
T/R/S: 02S/03W/08
Well Use: Observation



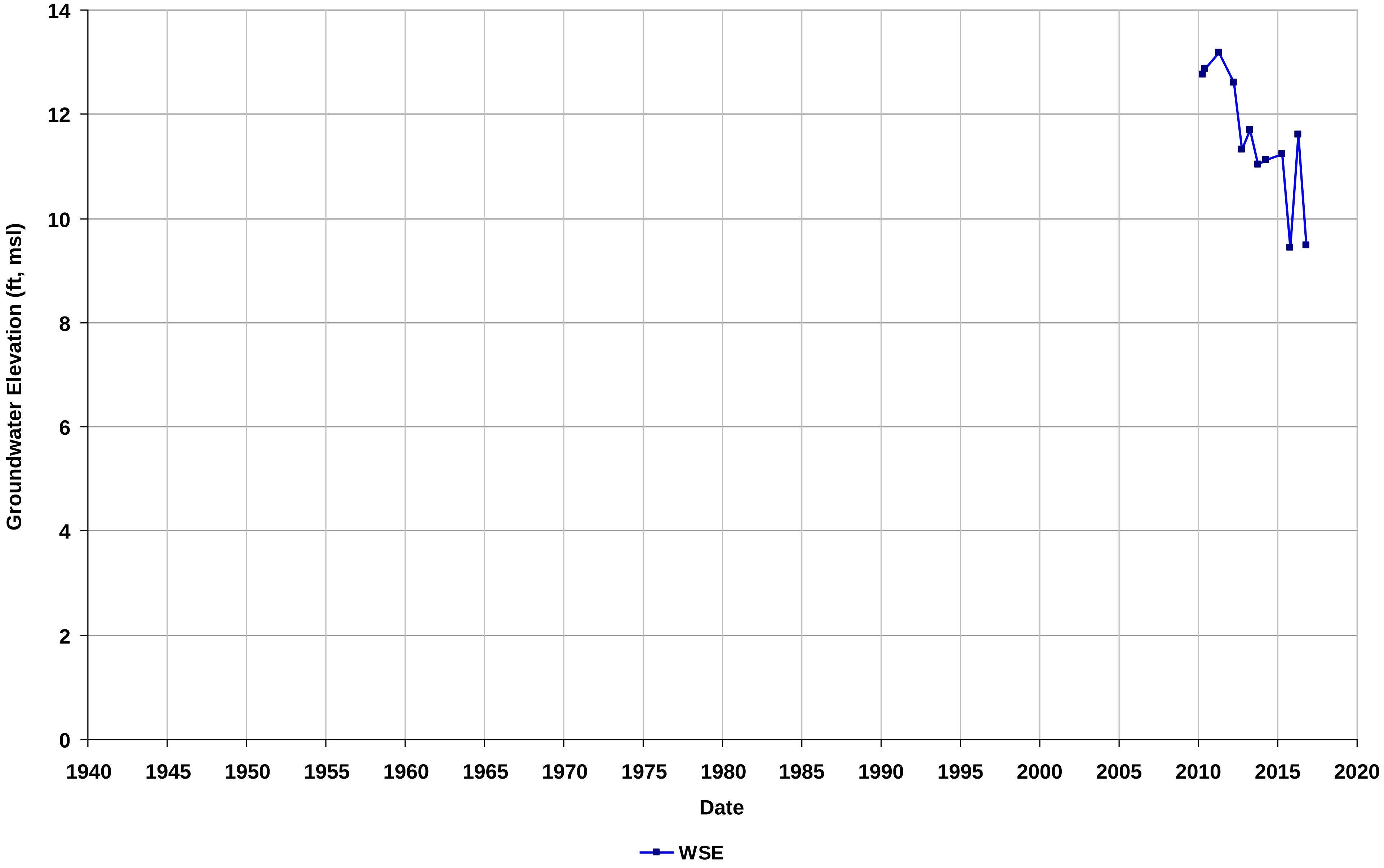
Well Name: SL0600161821-MW-26
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 40
Perf. Interval (ft bgs): 30-40
T/R/S: 02S/03W/08
Well Use: Observation



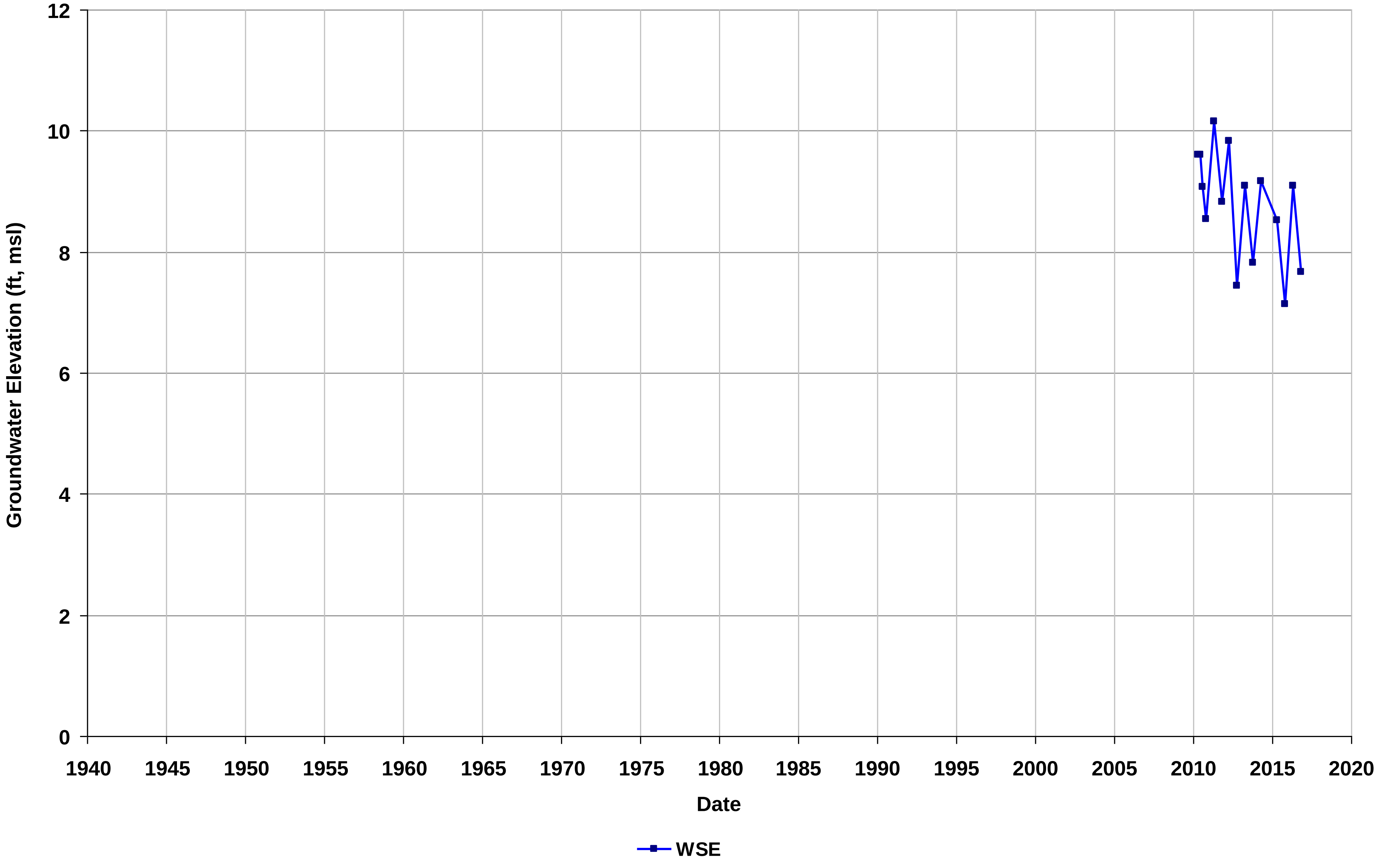
Well Name: SL0600161821-MW-27
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 38
Perf. Interval (ft bgs): 27-37
T/R/S: 02S/03W/08
Well Use: Observation



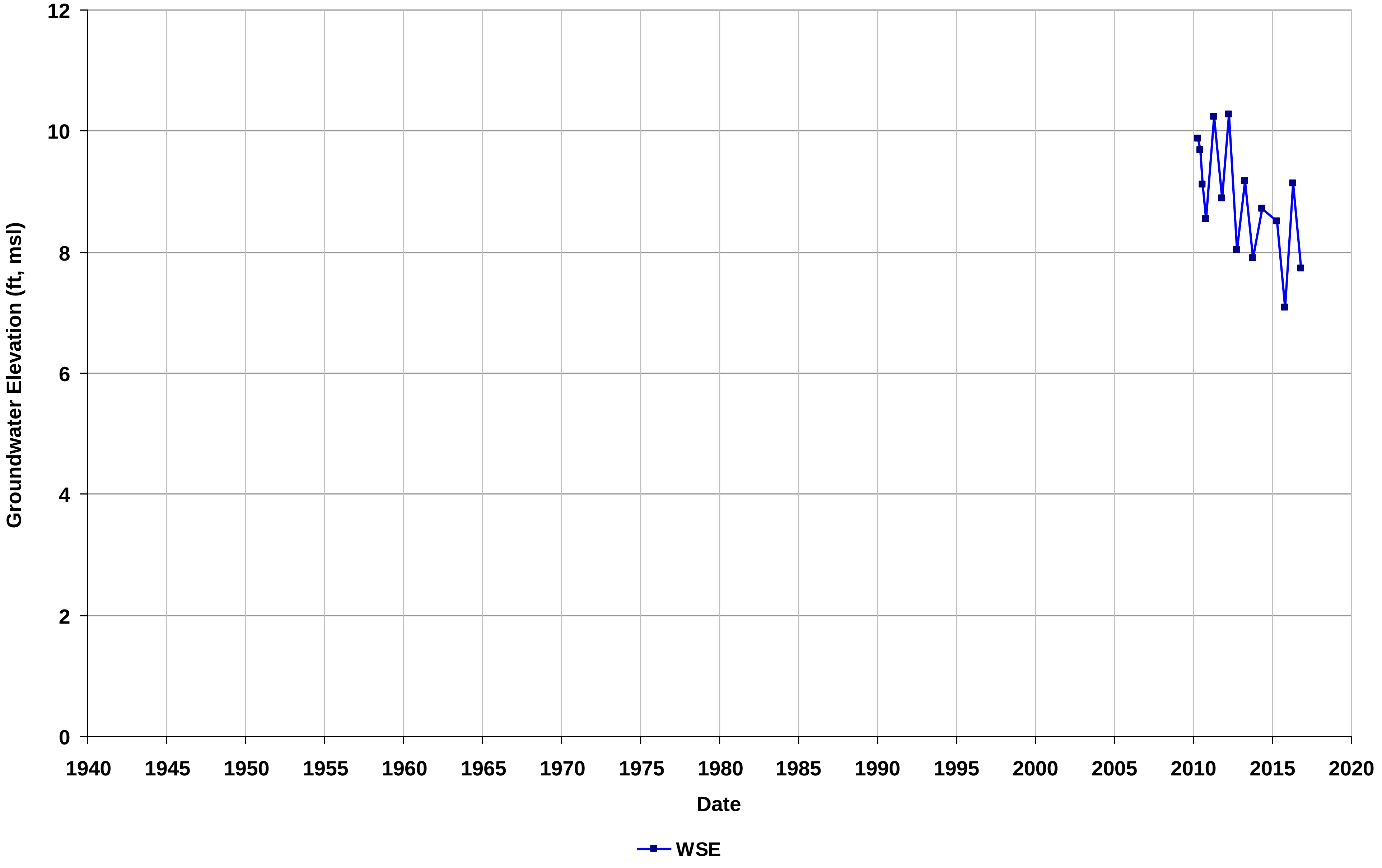
Well Name: SL0600161821-MW-30
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 35
Perf. Interval (ft bgs): 25-35
T/R/S: 02S/03W/08
Well Use: Observation



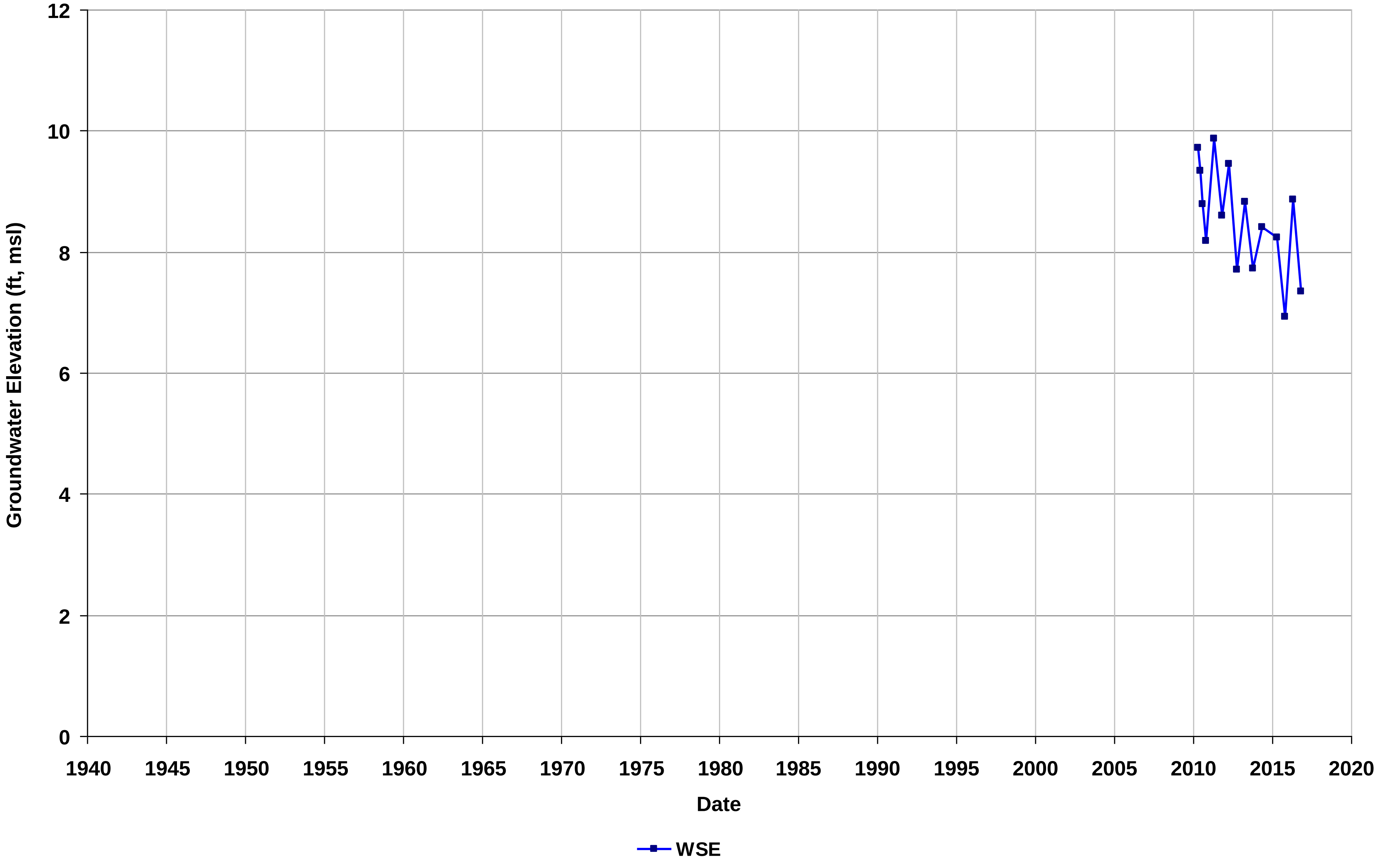
Well Name: SL0600161821-MW-32
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 38
Perf. Interval (ft bgs): 25-35
T/R/S: 02S/03W/08
Well Use: Observation



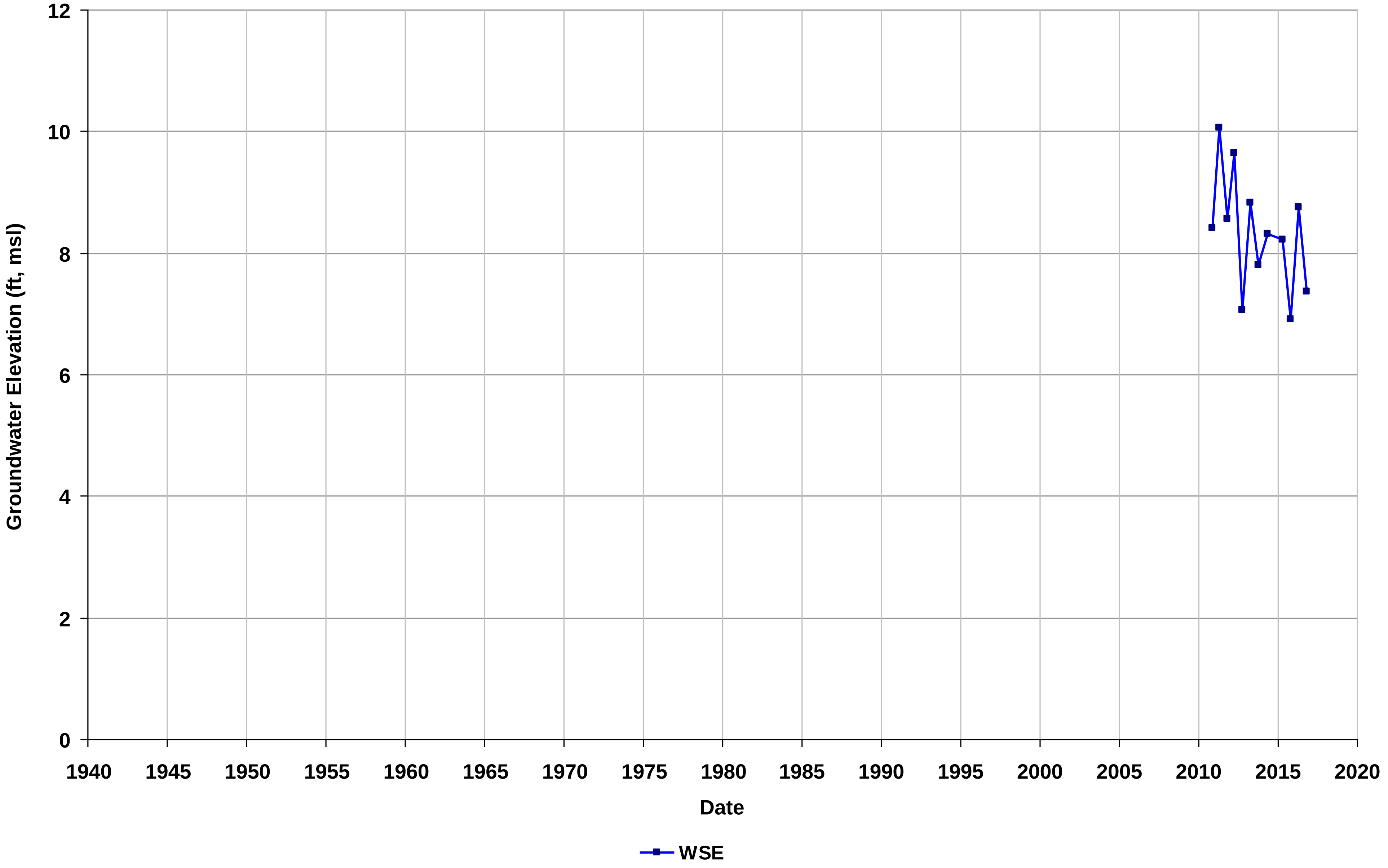
Well Name: SL0600161821-MW-34
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 38
Perf. Interval (ft bgs): 25-35
T/R/S: 02S/03W/08
Well Use: Observation



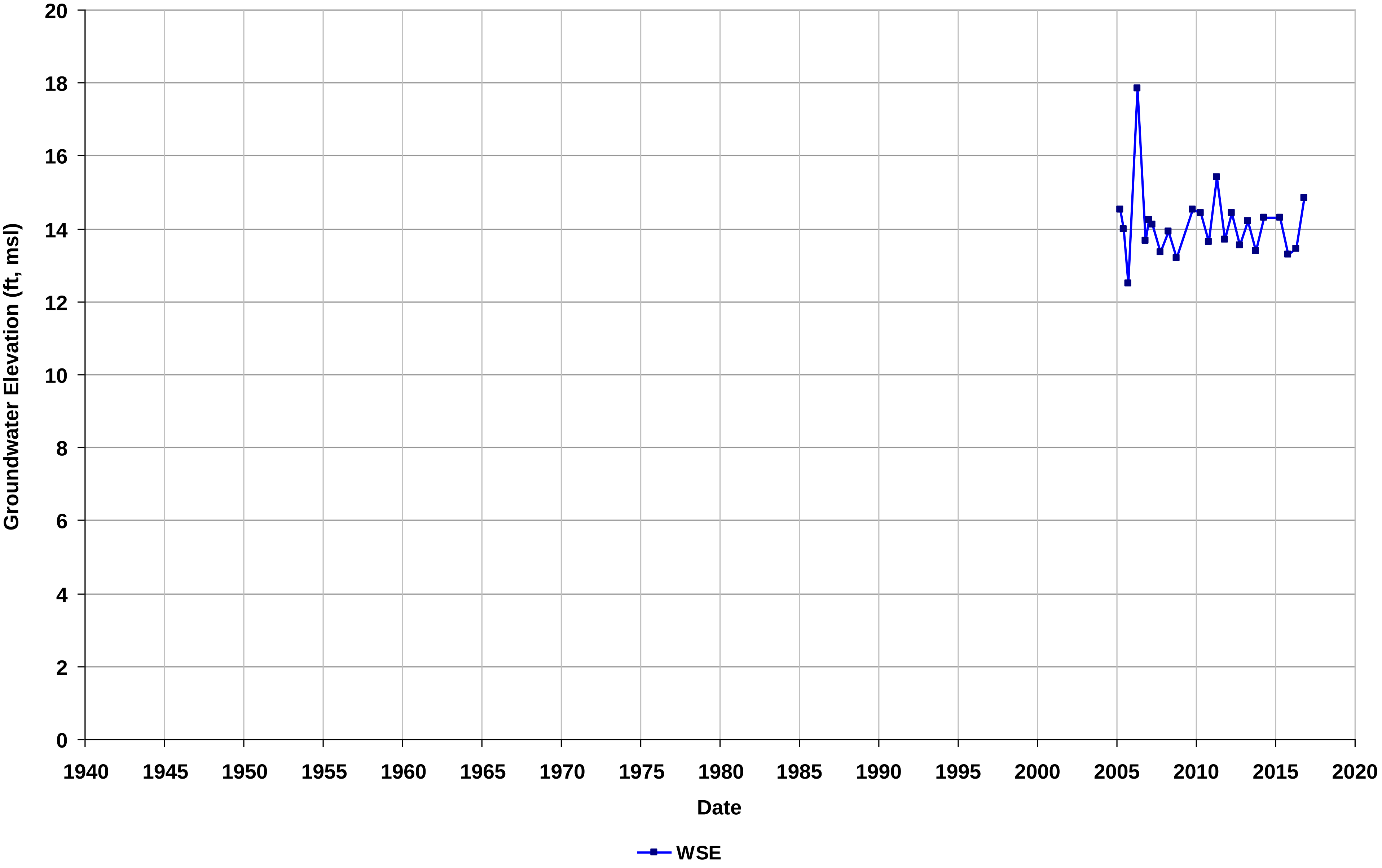
Well Name: SL0600161821-MW-36
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 38
Perf. Interval (ft bgs): 28-38
T/R/S: 02S/03W/08
Well Use: Observation



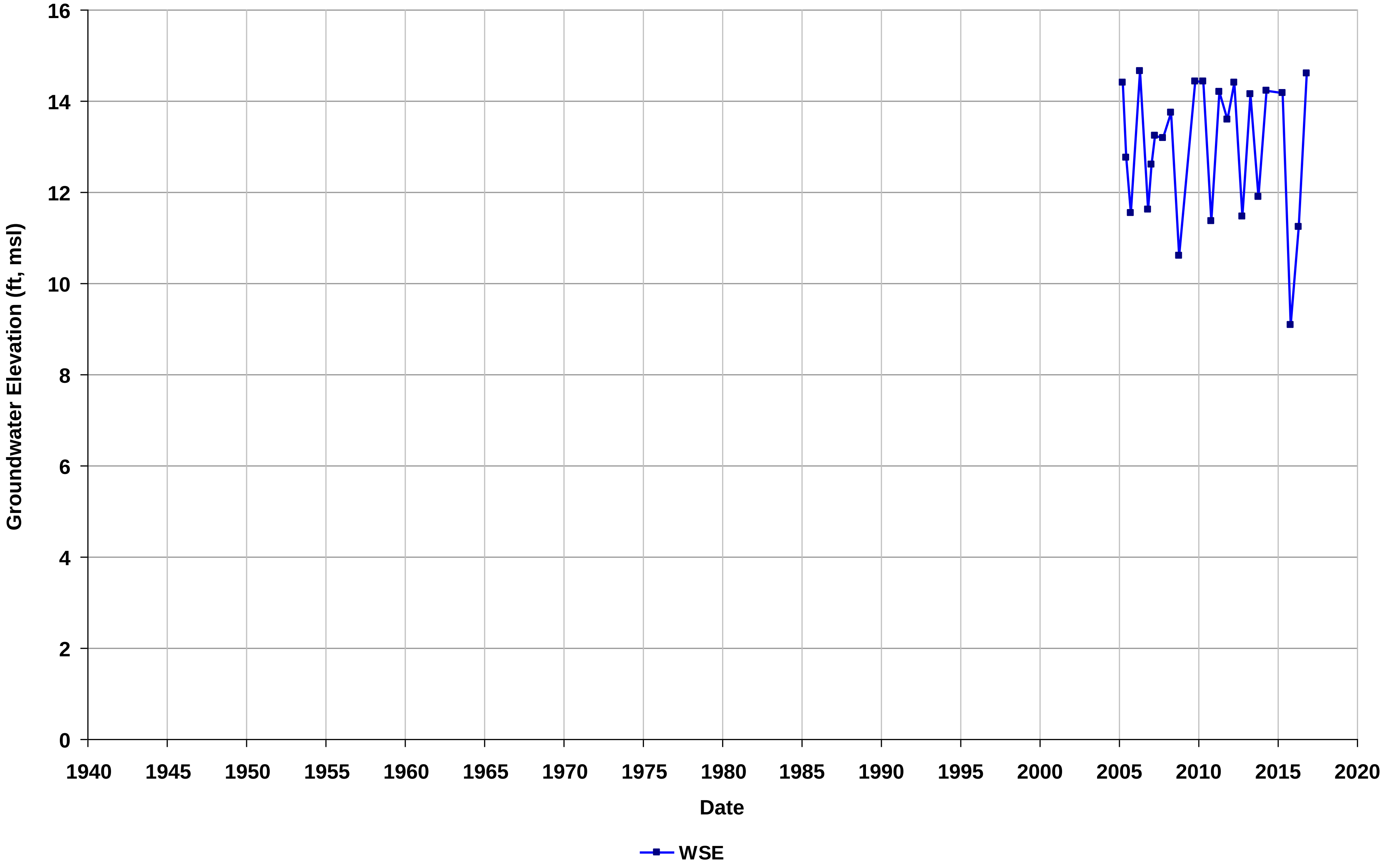
Well Name: SL0600161821-MW-7
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 12
Perf. Interval (ft bgs): 3.5-14
T/R/S: 02S/03W/08
Well Use: Observation



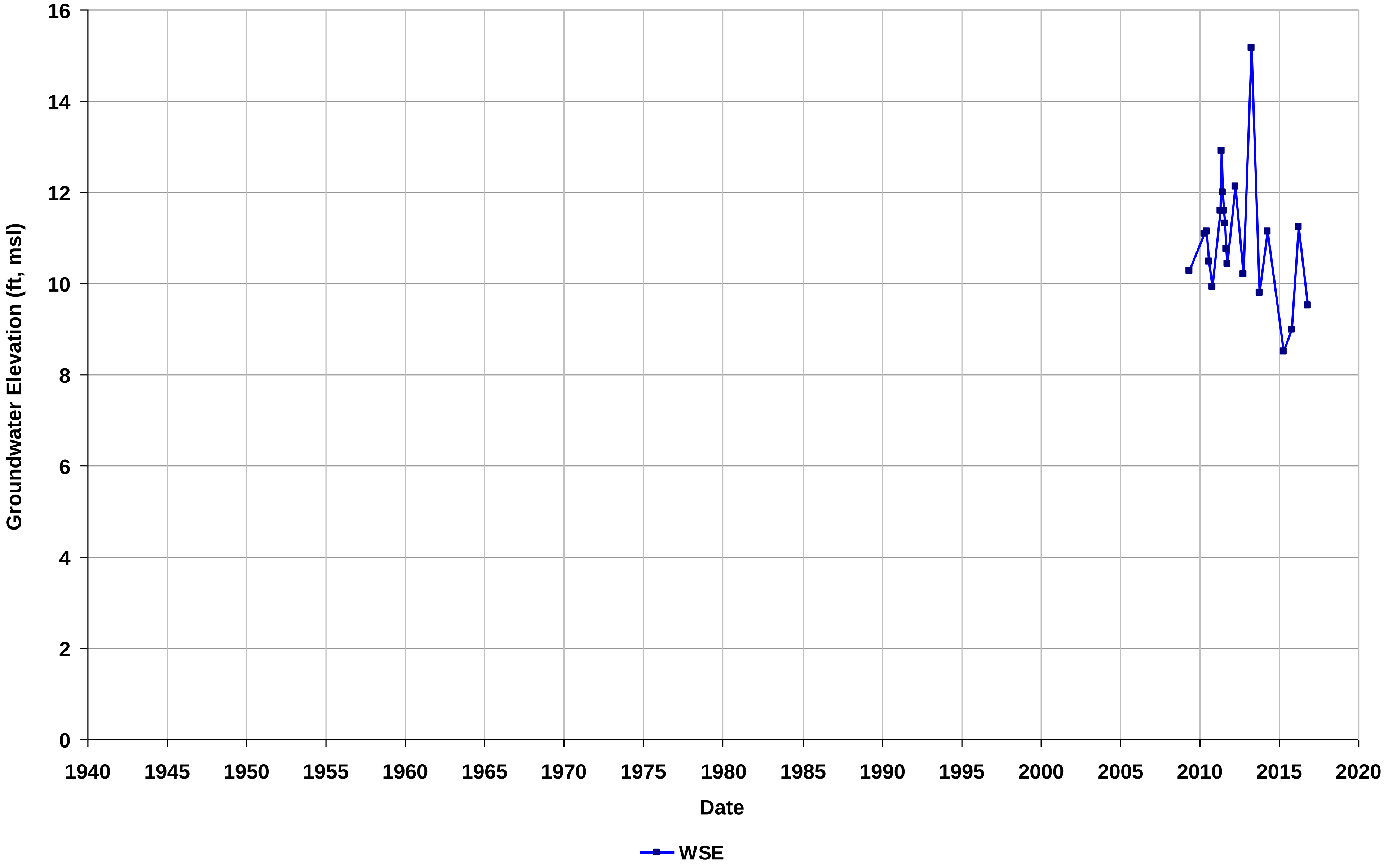
Well Name: SL0600161821-MW-8
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 18
Perf. Interval (ft bgs): 3.8-19
T/R/S: 02S/03W/08
Well Use: Observation



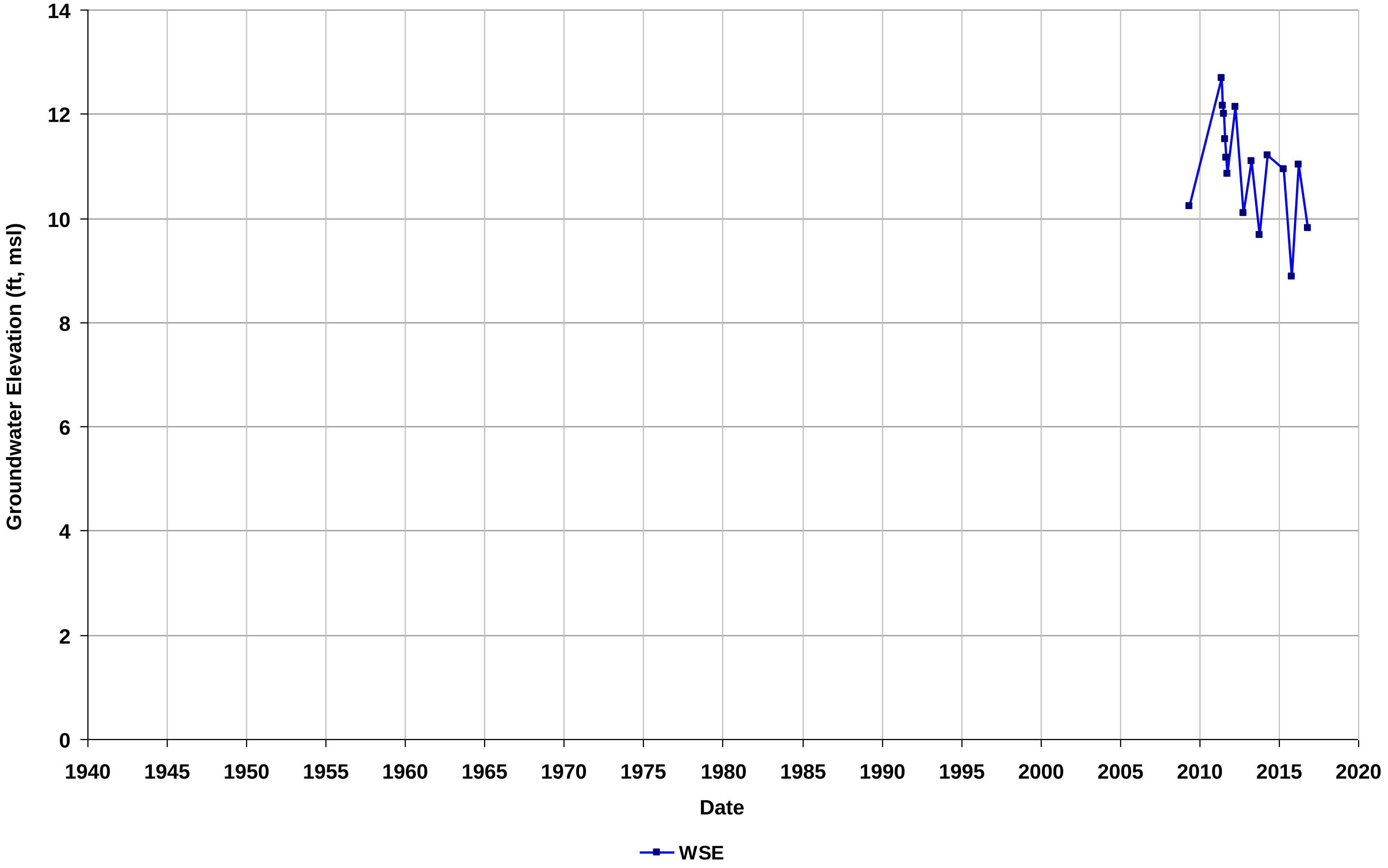
Well Name: SL0600161821-OB5-I
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 35
Perf. Interval (ft bgs): 25-35
T/R/S: 02S/03W/08
Well Use: Observation



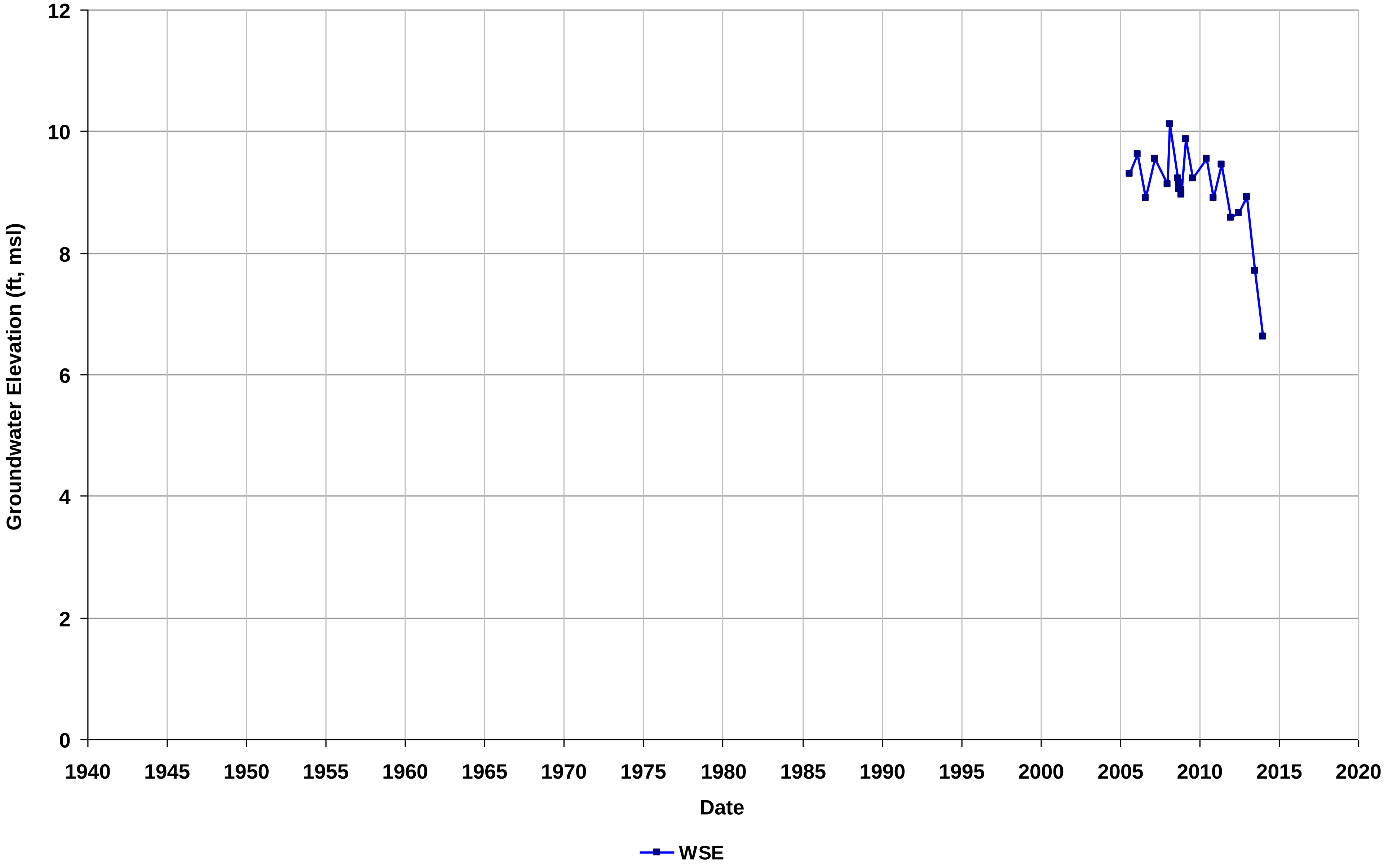
Well Name: SL0600161821-OB6-I
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 35
Perf. Interval (ft bgs): 25-35
T/R/S: 02S/03W/08
Well Use: Observation



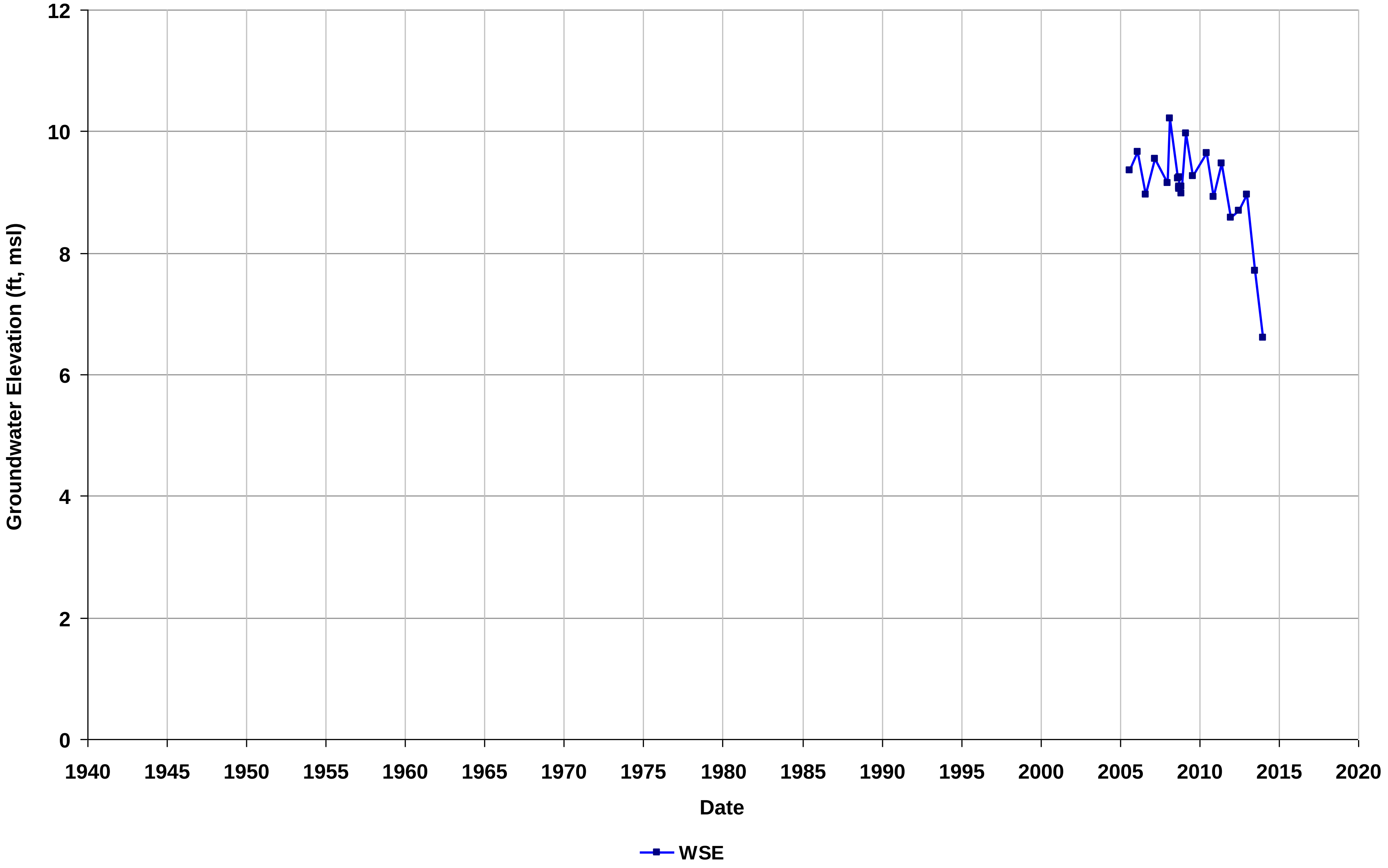
Well Name: SL0600163185-MW-1
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 29
Perf. Interval (ft bgs): 9-39
T/R/S: n/a
Well Use: Observation



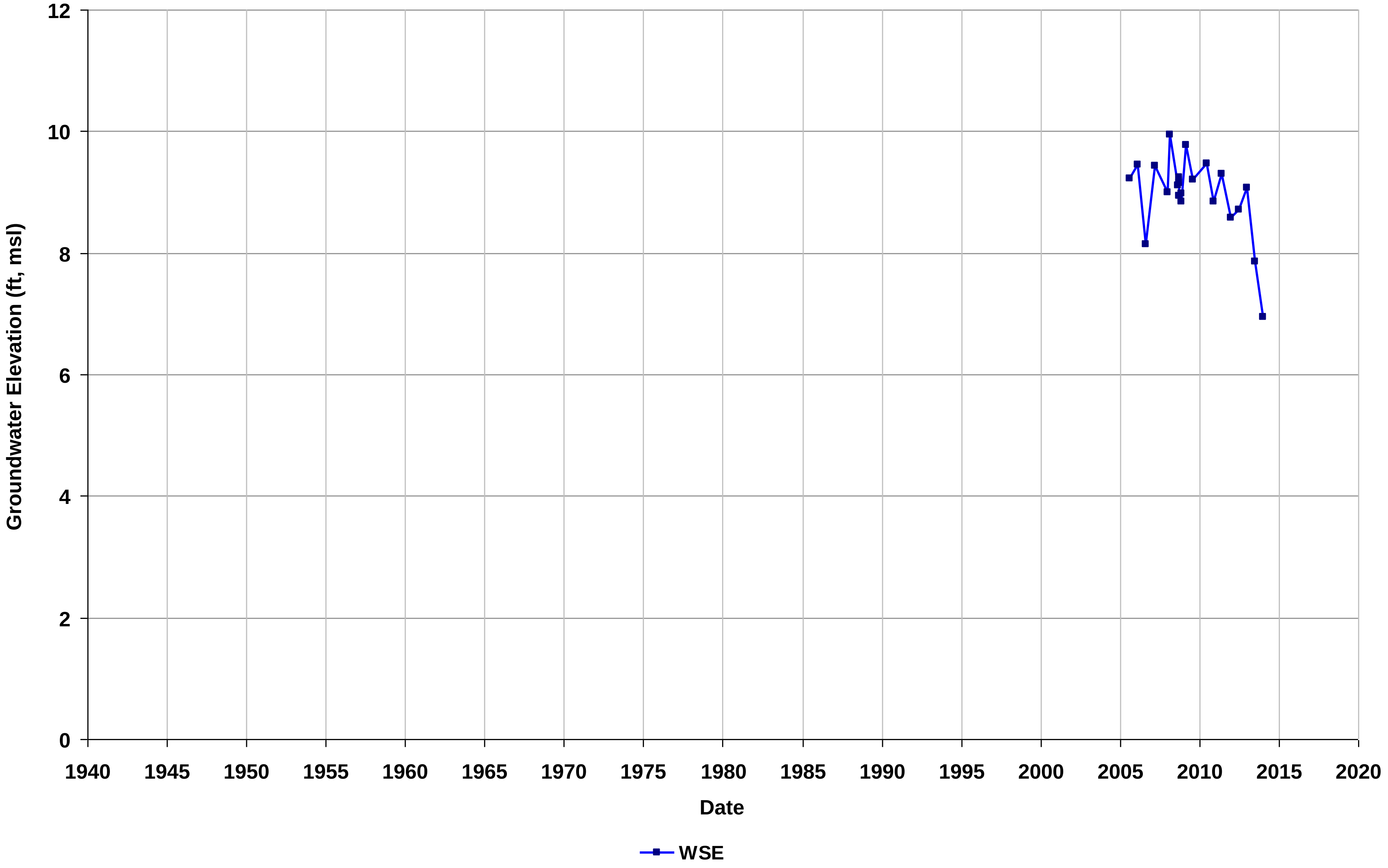
Well Name: SL0600163185-MW-10
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 32
Perf. Interval (ft bgs): 12-33
T/R/S: n/a
Well Use: Observation



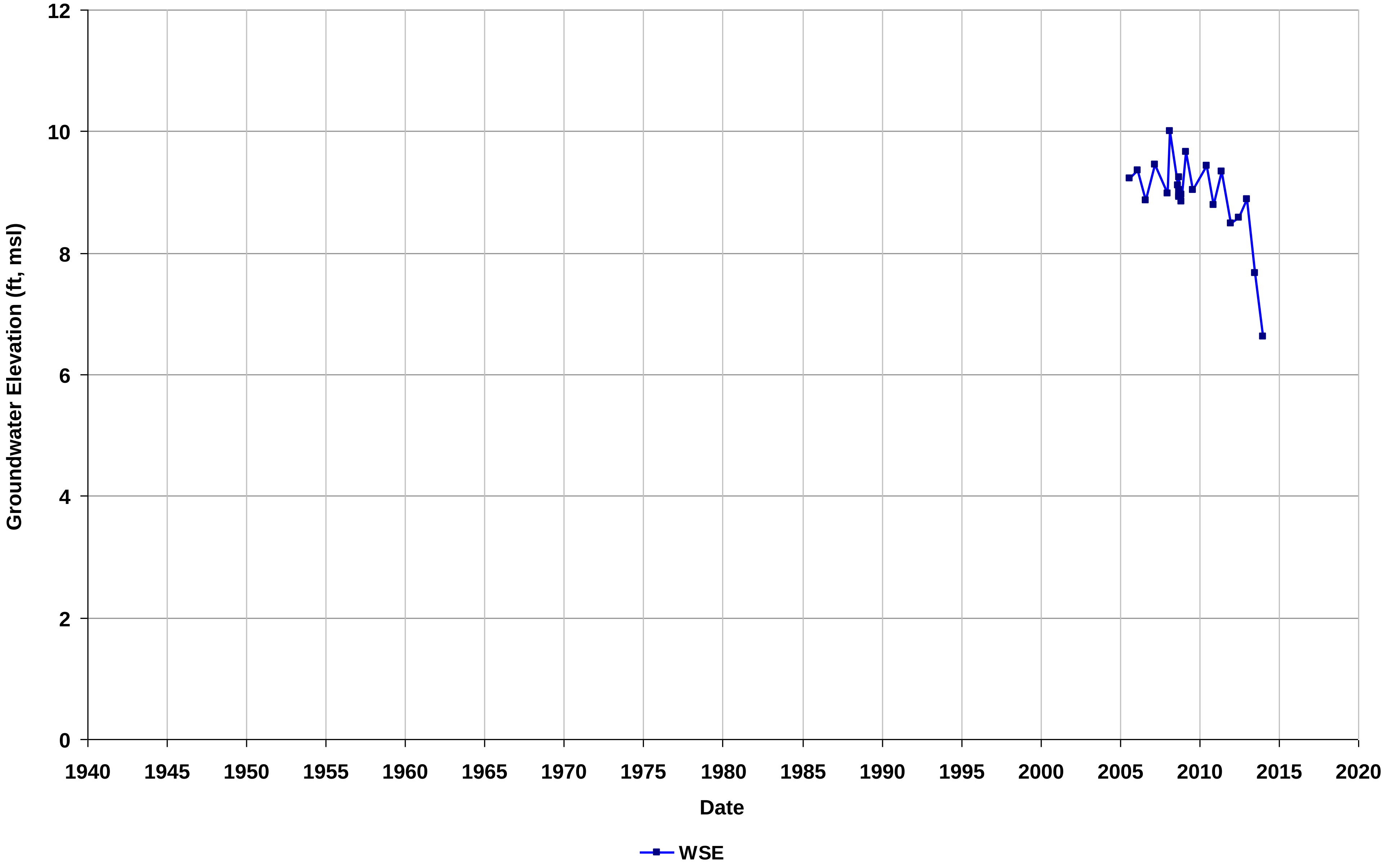
Well Name: SL0600163185-MW-11
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 19
Perf. Interval (ft bgs): 6-20
T/R/S: n/a
Well Use: Observation



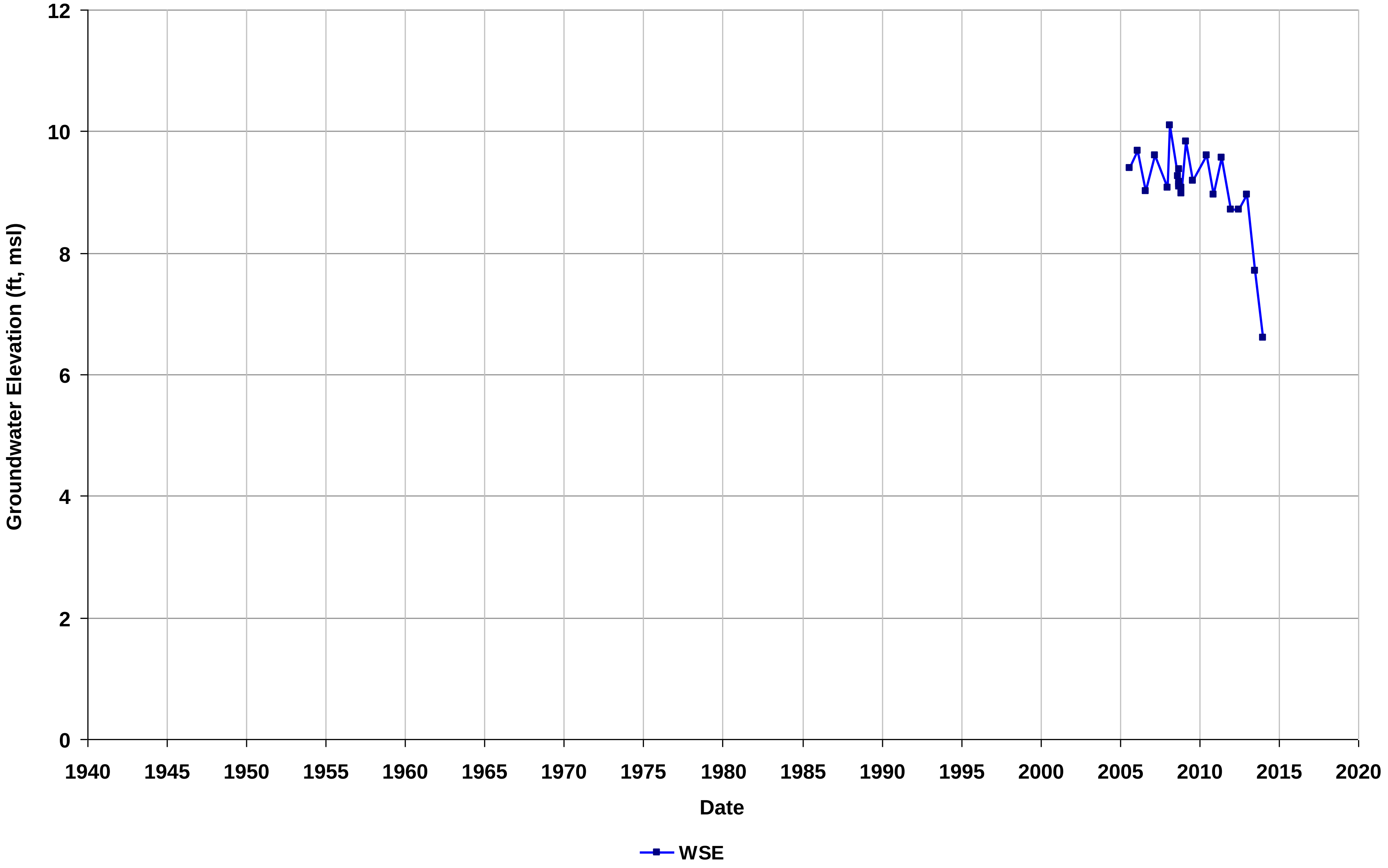
Well Name: SL0600163185-MW-12
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 22
Perf. Interval (ft bgs): 7-24
T/R/S: n/a
Well Use: Observation



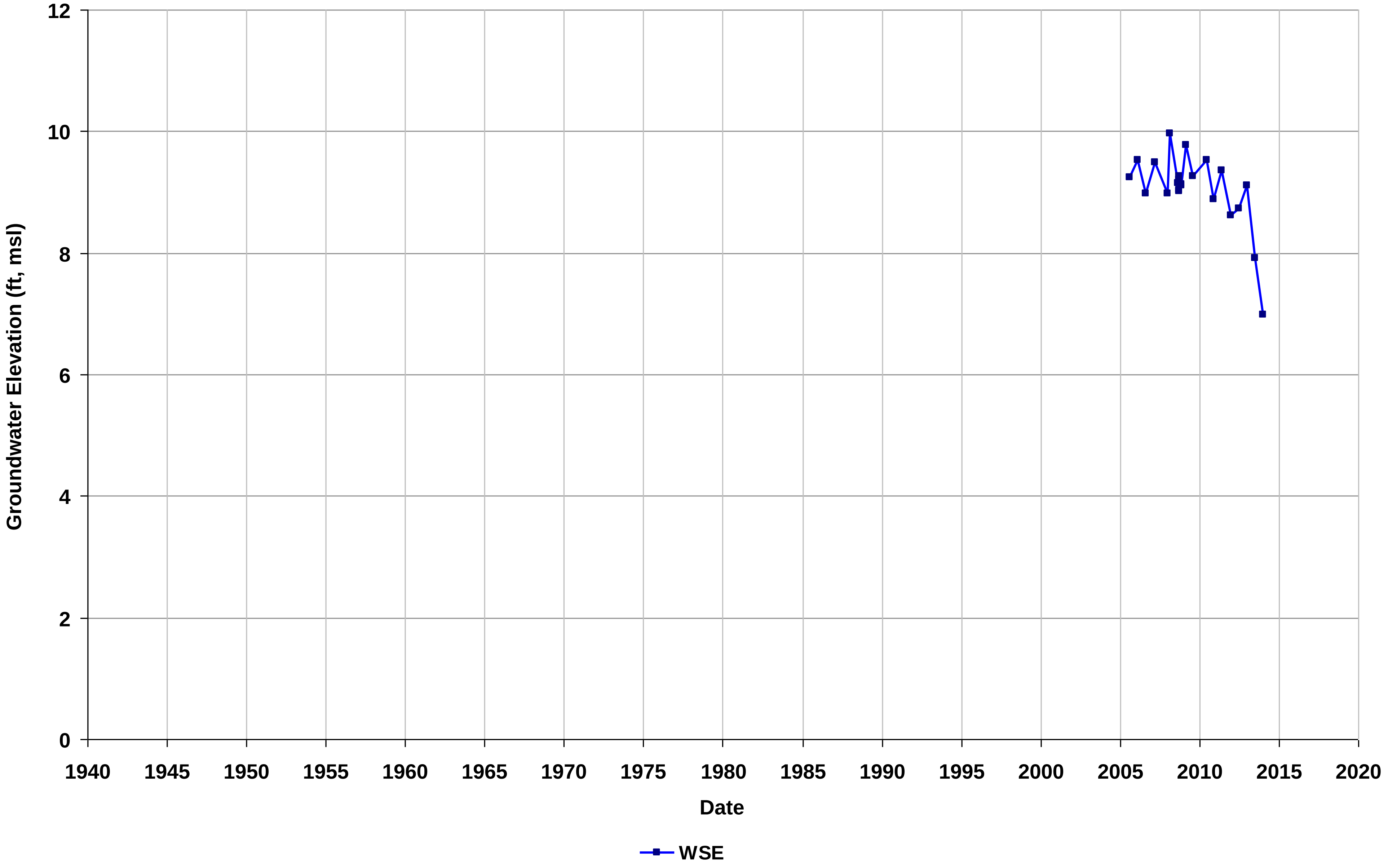
Well Name: SL0600163185-MW-13
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 27
Perf. Interval (ft bgs): 8-28
T/R/S: n/a
Well Use: Observation



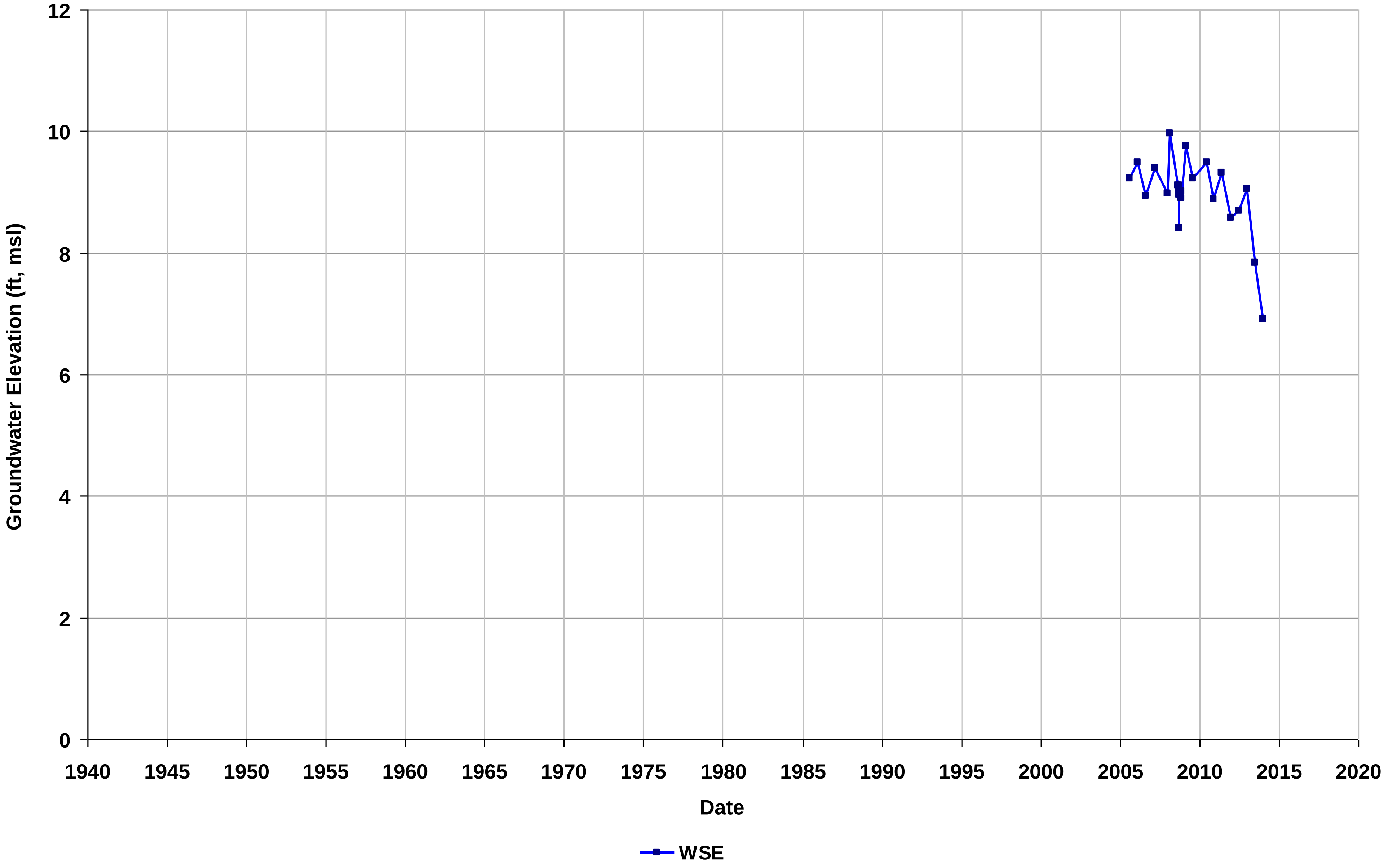
Well Name: SL0600163185-MW-14
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 22
Perf. Interval (ft bgs): 13-23
T/R/S: n/a
Well Use: Observation



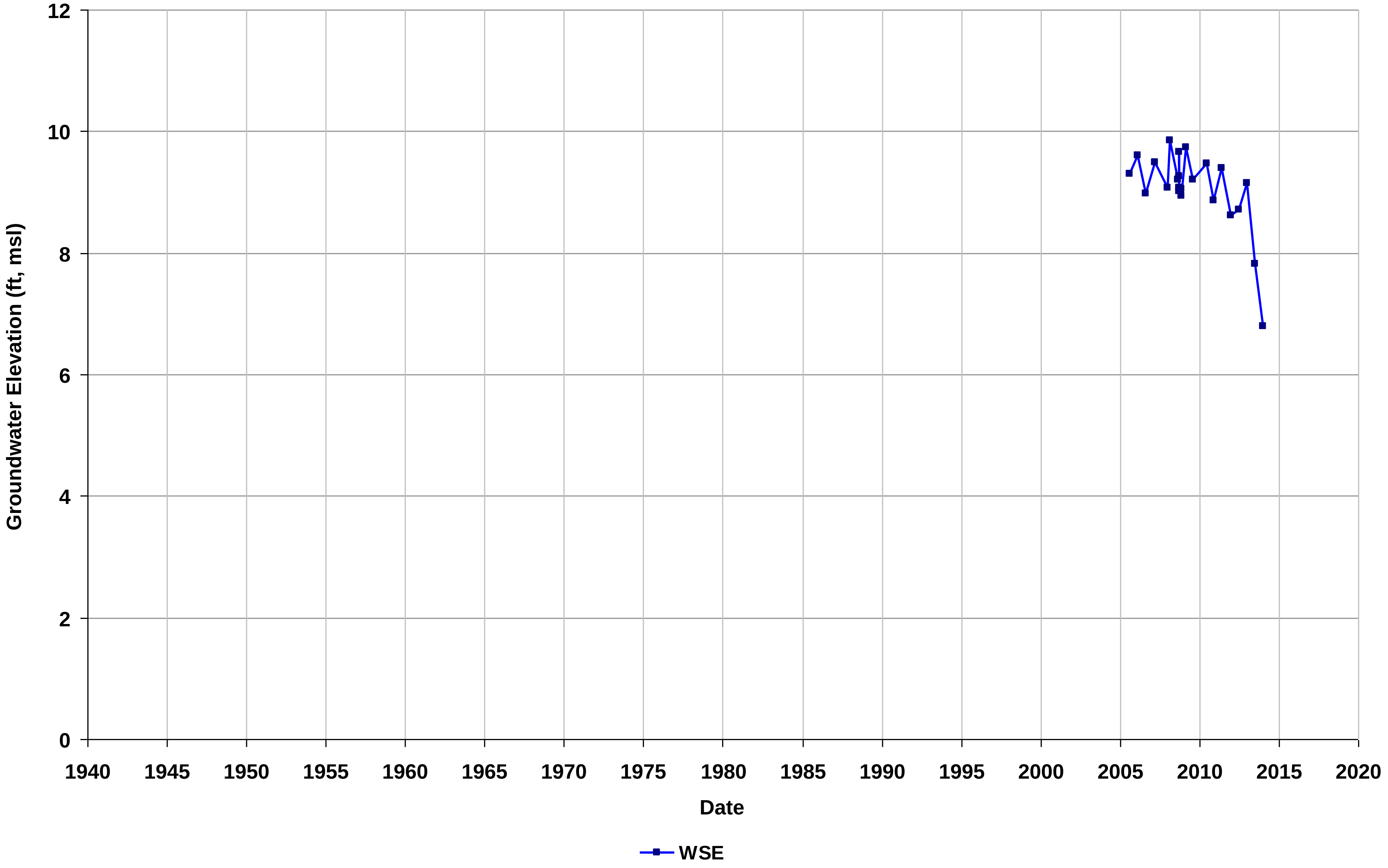
Well Name: SL0600163185-MW-3
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 16
Perf. Interval (ft bgs): 8-20
T/R/S: n/a
Well Use: Observation



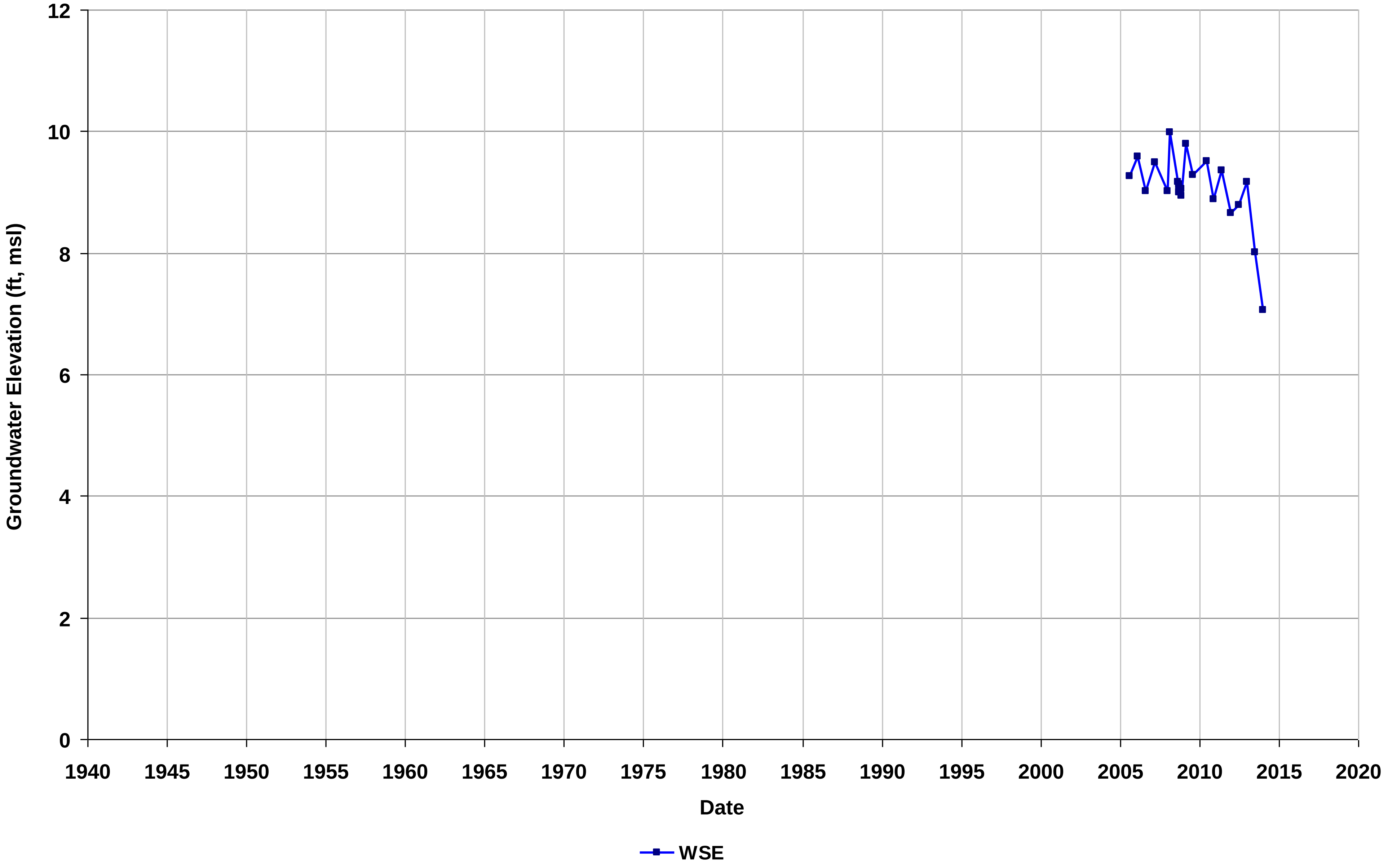
Well Name: SL0600163185-MW-4
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 12
Perf. Interval (ft bgs): 10-20
T/R/S: n/a
Well Use: Observation



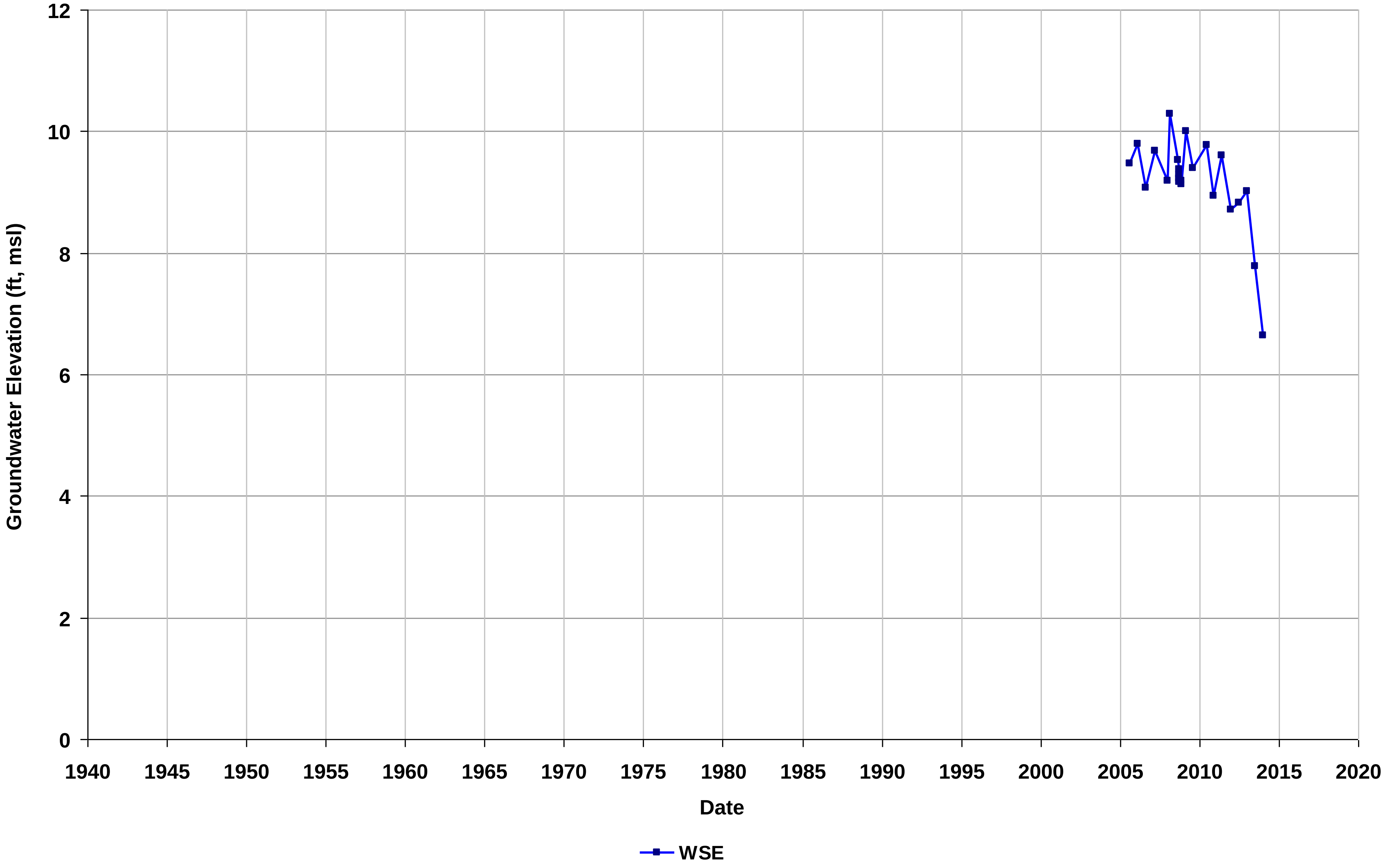
Well Name: SL0600163185-MW-5
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 14
Perf. Interval (ft bgs): 7-17
T/R/S: n/a
Well Use: Observation



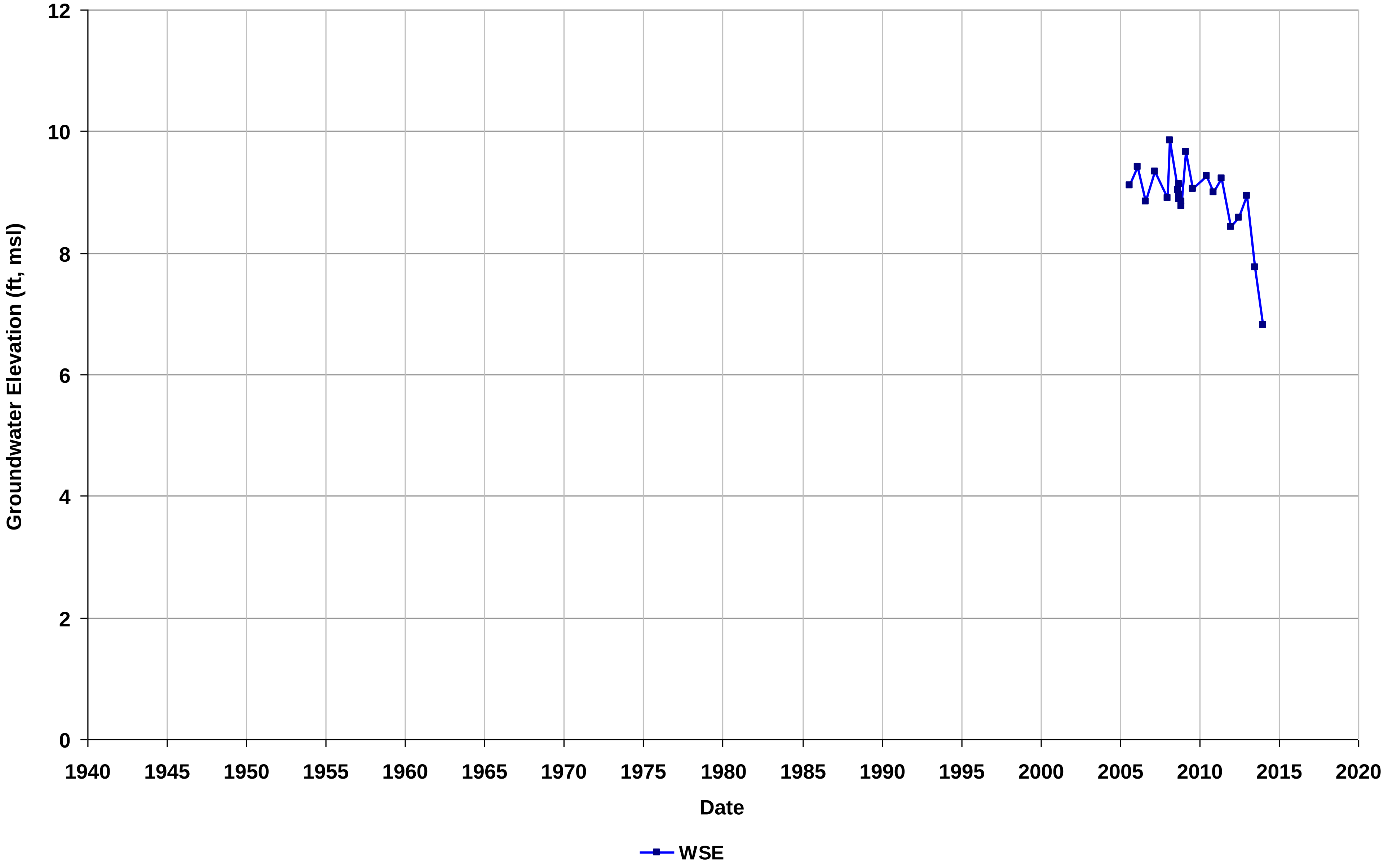
Well Name: SL0600163185-MW-6
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 17
Perf. Interval (ft bgs): 8-23
T/R/S: n/a
Well Use: Observation



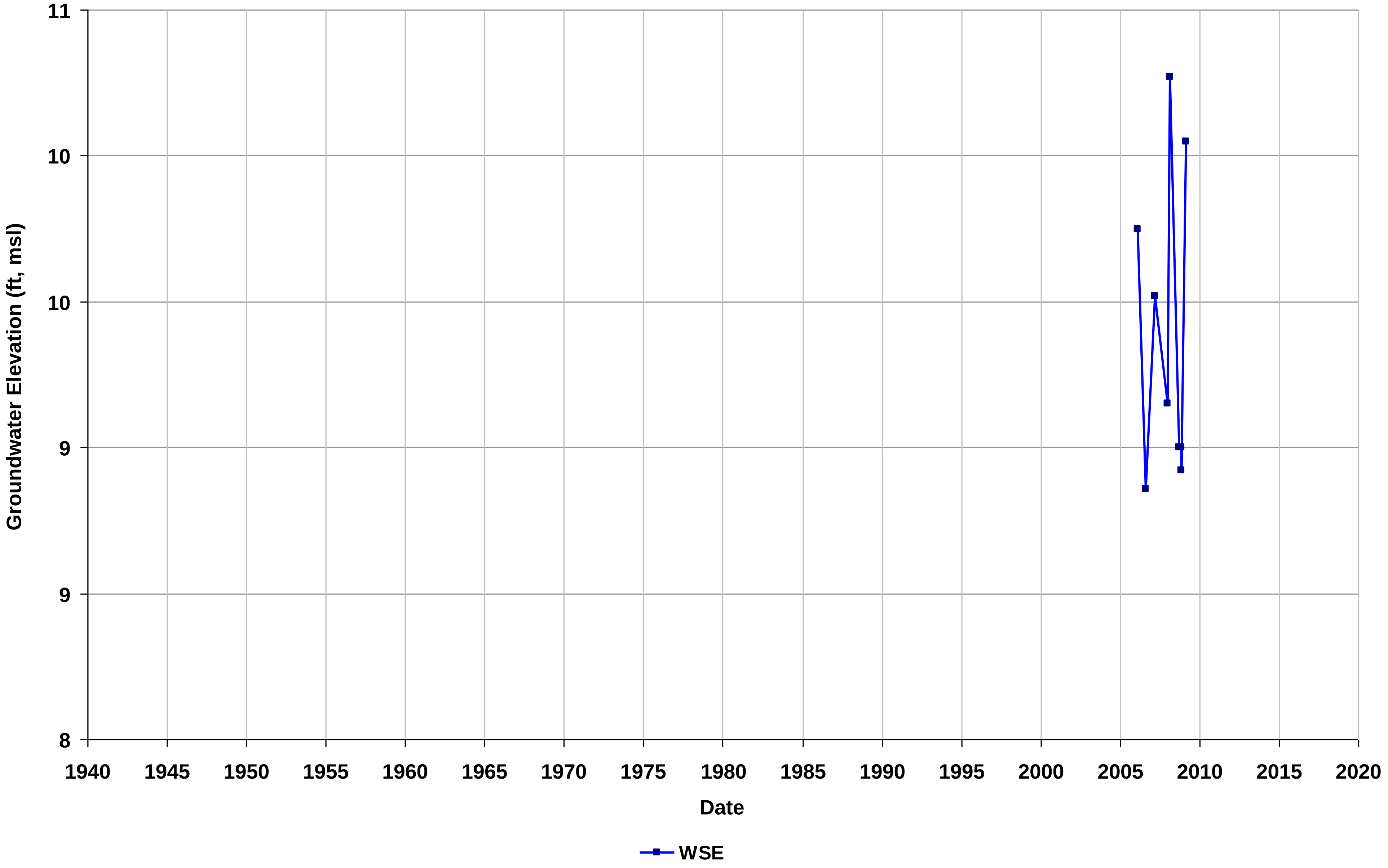
Well Name: SL0600163185-MW-7
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 15
Perf. Interval (ft bgs): 9-19
T/R/S: n/a
Well Use: Observation



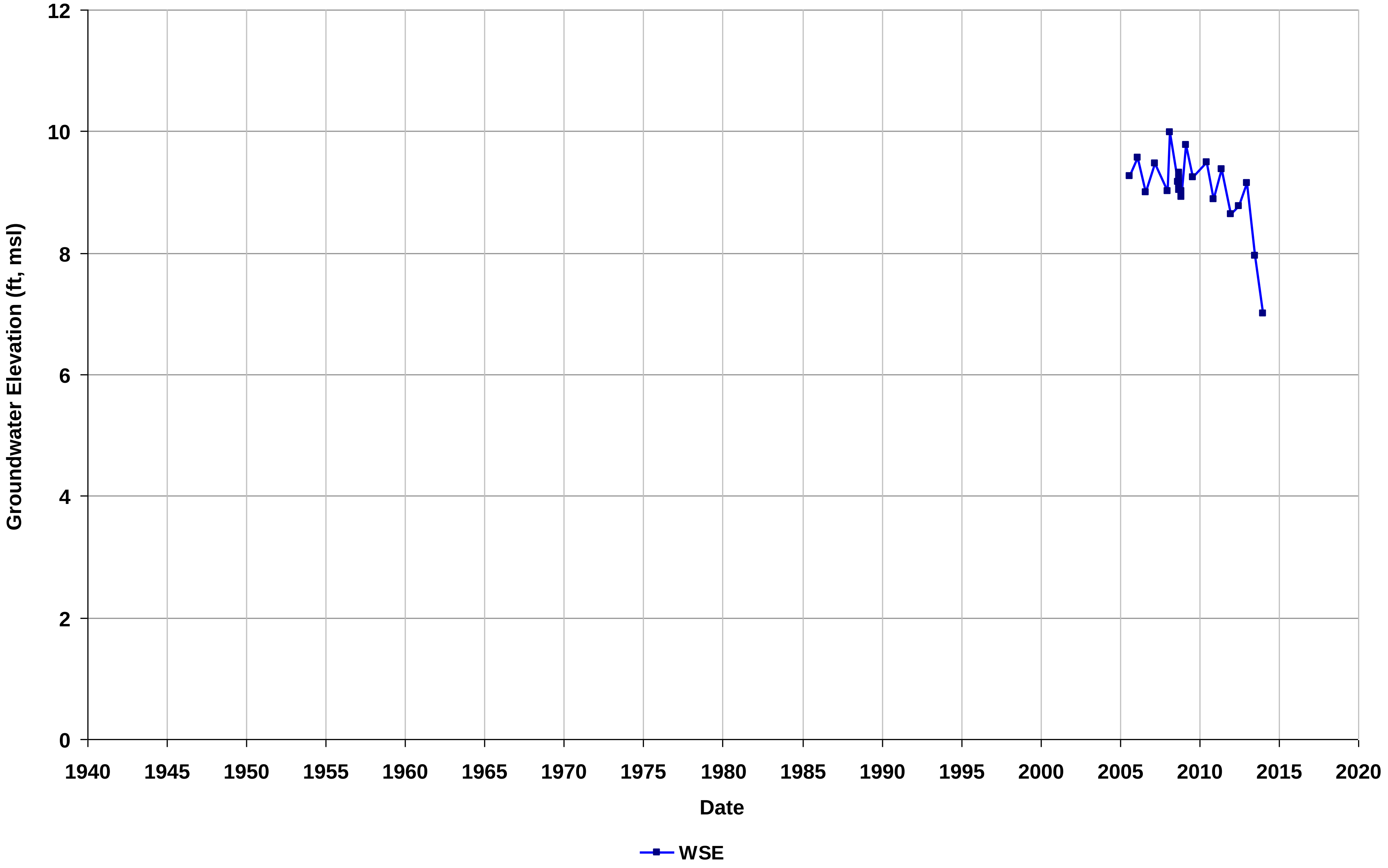
Well Name: SL0600163185-MW-8
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 8-18
T/R/S: n/a
Well Use: Observation



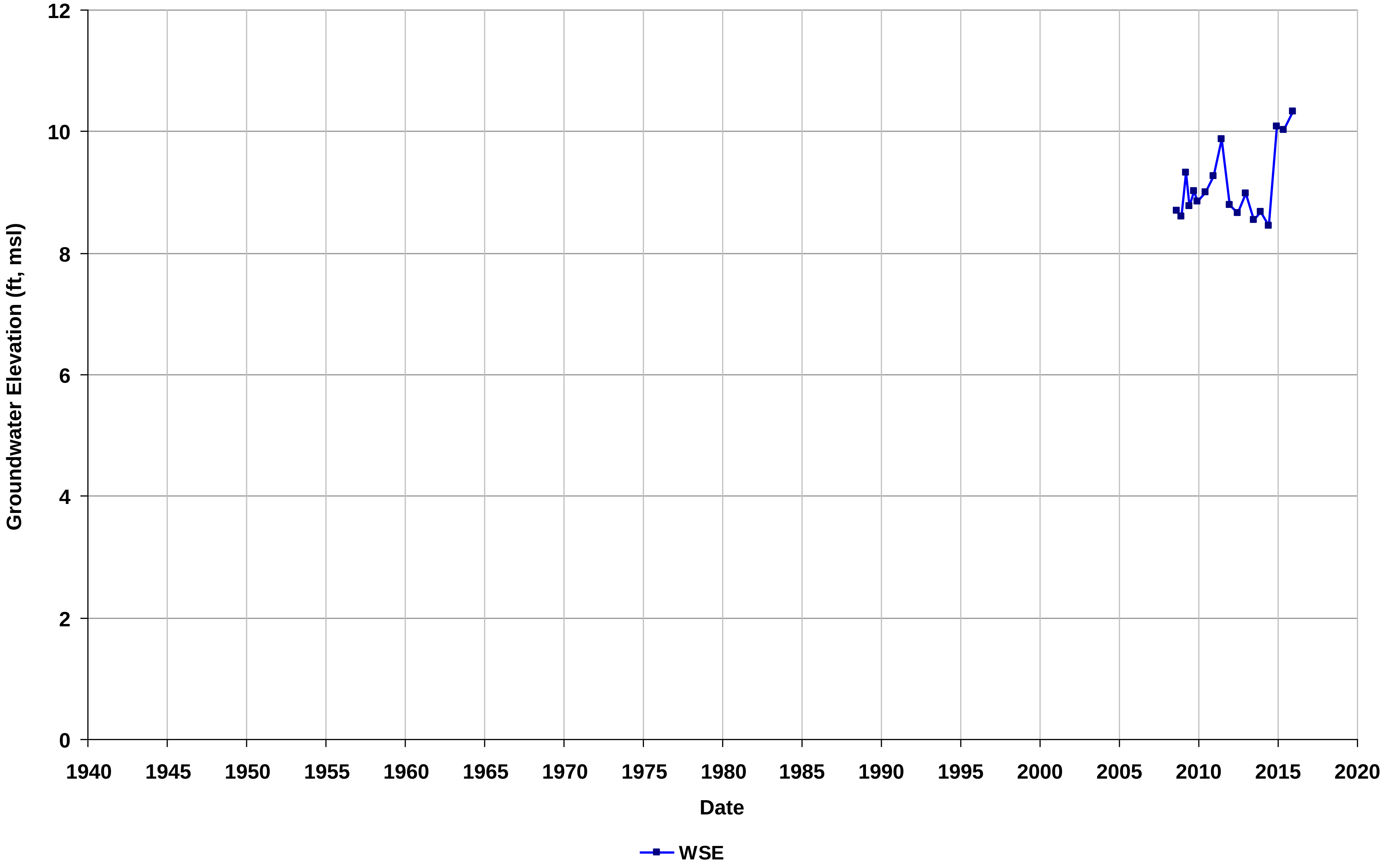
Well Name: SL0600163185-MW-9
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 18
Perf. Interval (ft bgs): 11-21
T/R/S: n/a
Well Use: Observation



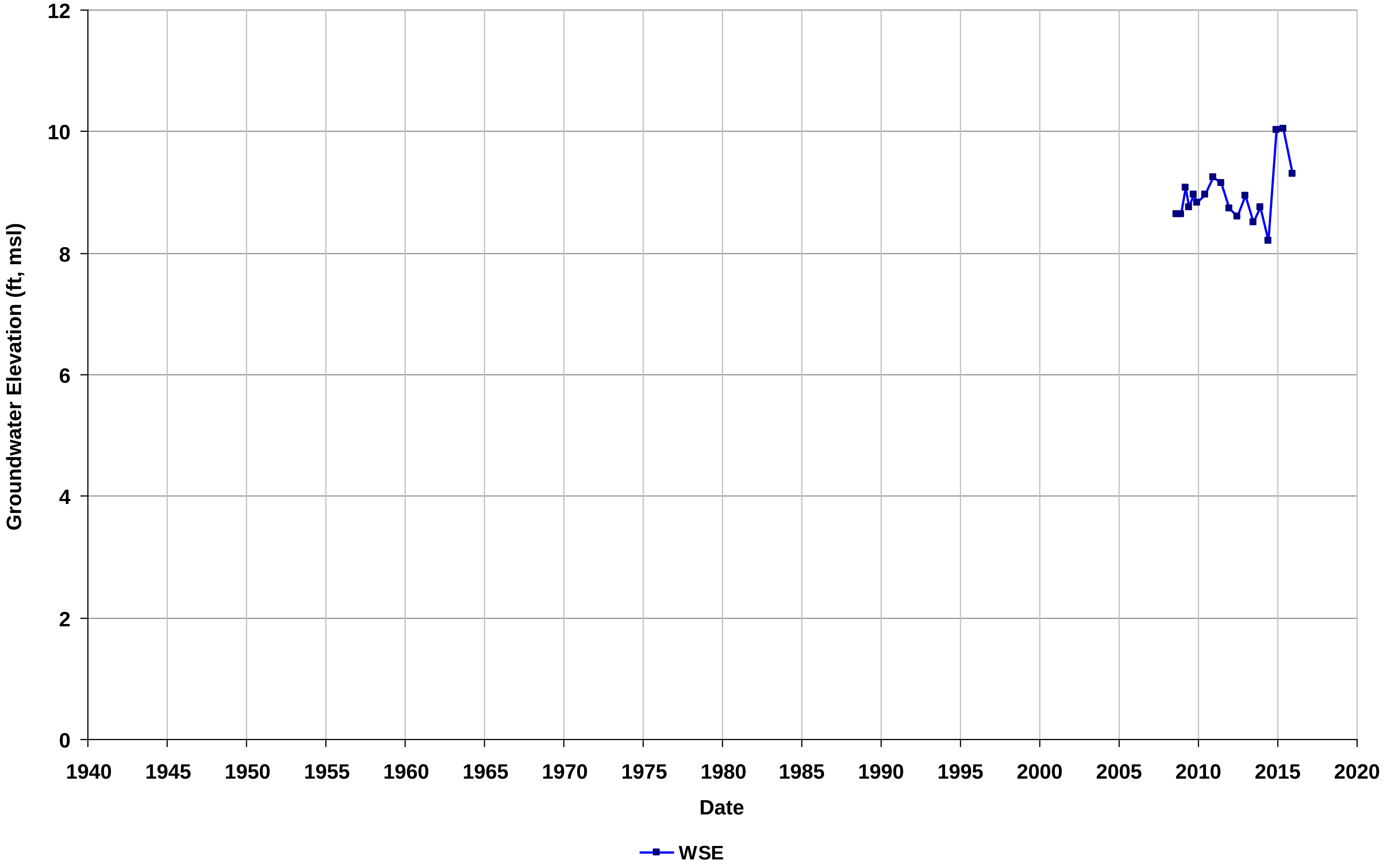
Well Name: SL0600165101-MW-1
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 12
Perf. Interval (ft bgs): 7-12
T/R/S: 04S/02W/26
Well Use: Observation



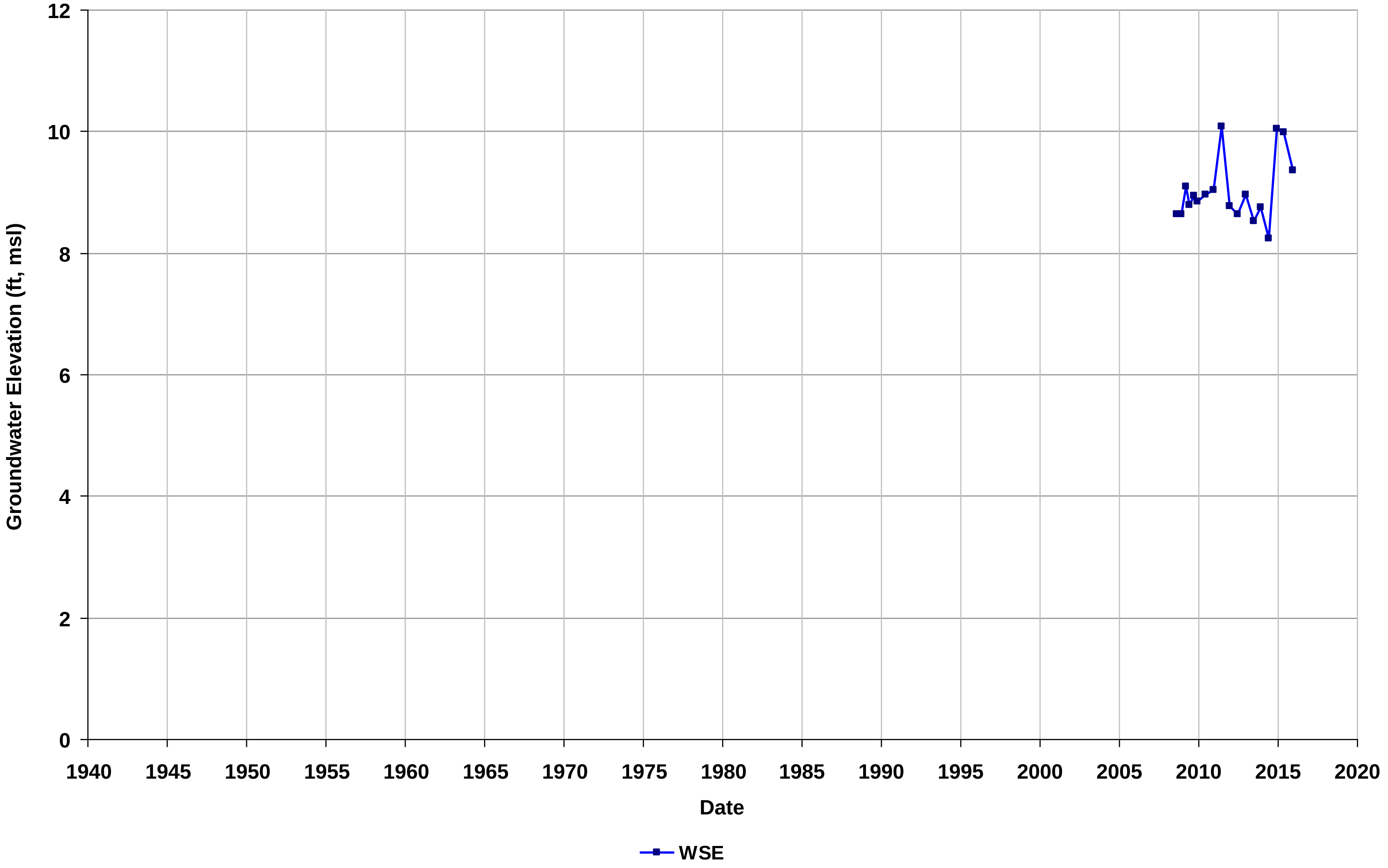
Well Name: SL0600165101-MW-2
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 12
Perf. Interval (ft bgs): 7-12
T/R/S: 04S/02W/26
Well Use: Observation



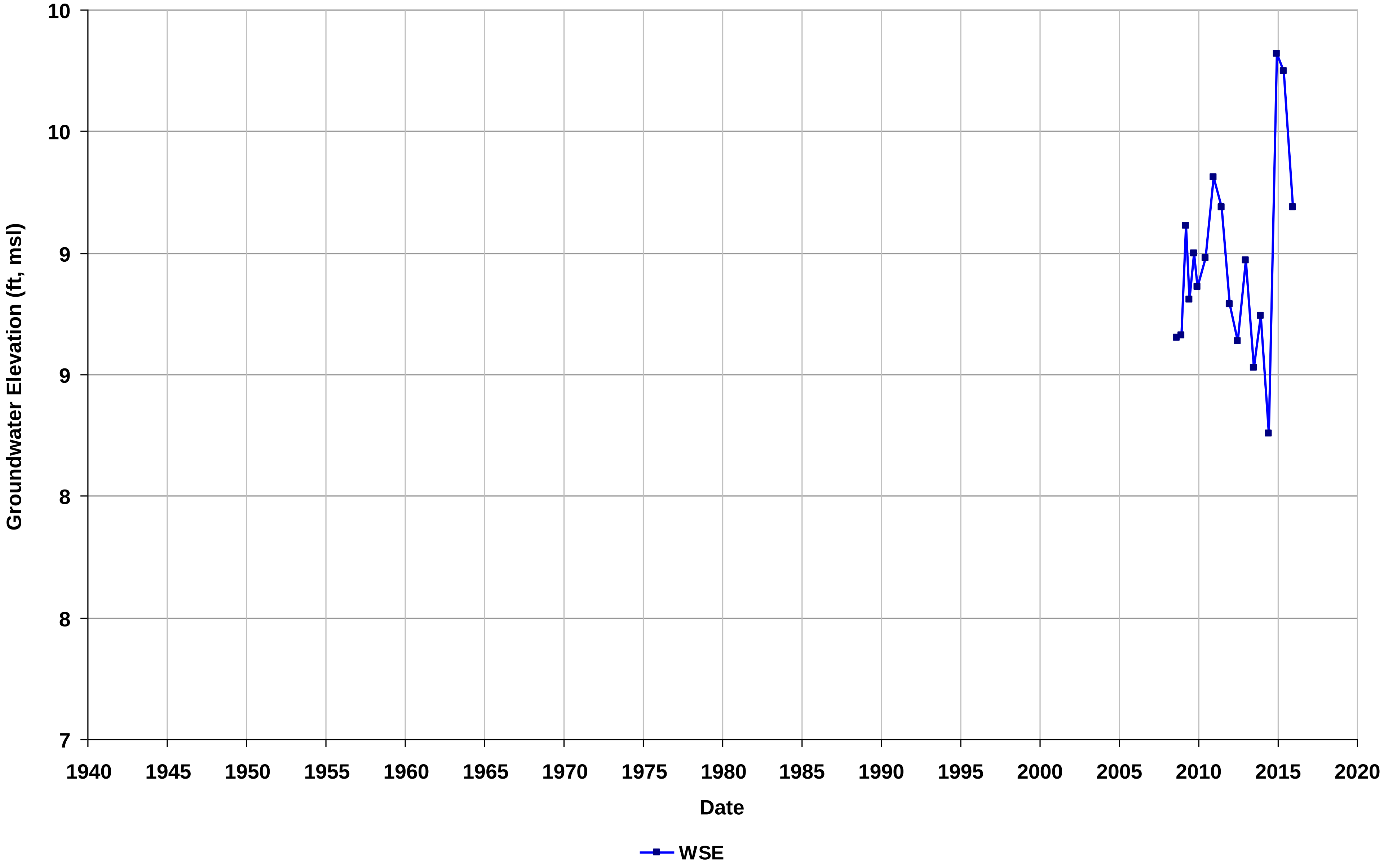
Well Name: SL0600165101-MW-3
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 12
Perf. Interval (ft bgs): 7-12
T/R/S: 04S/02W/26
Well Use: Observation



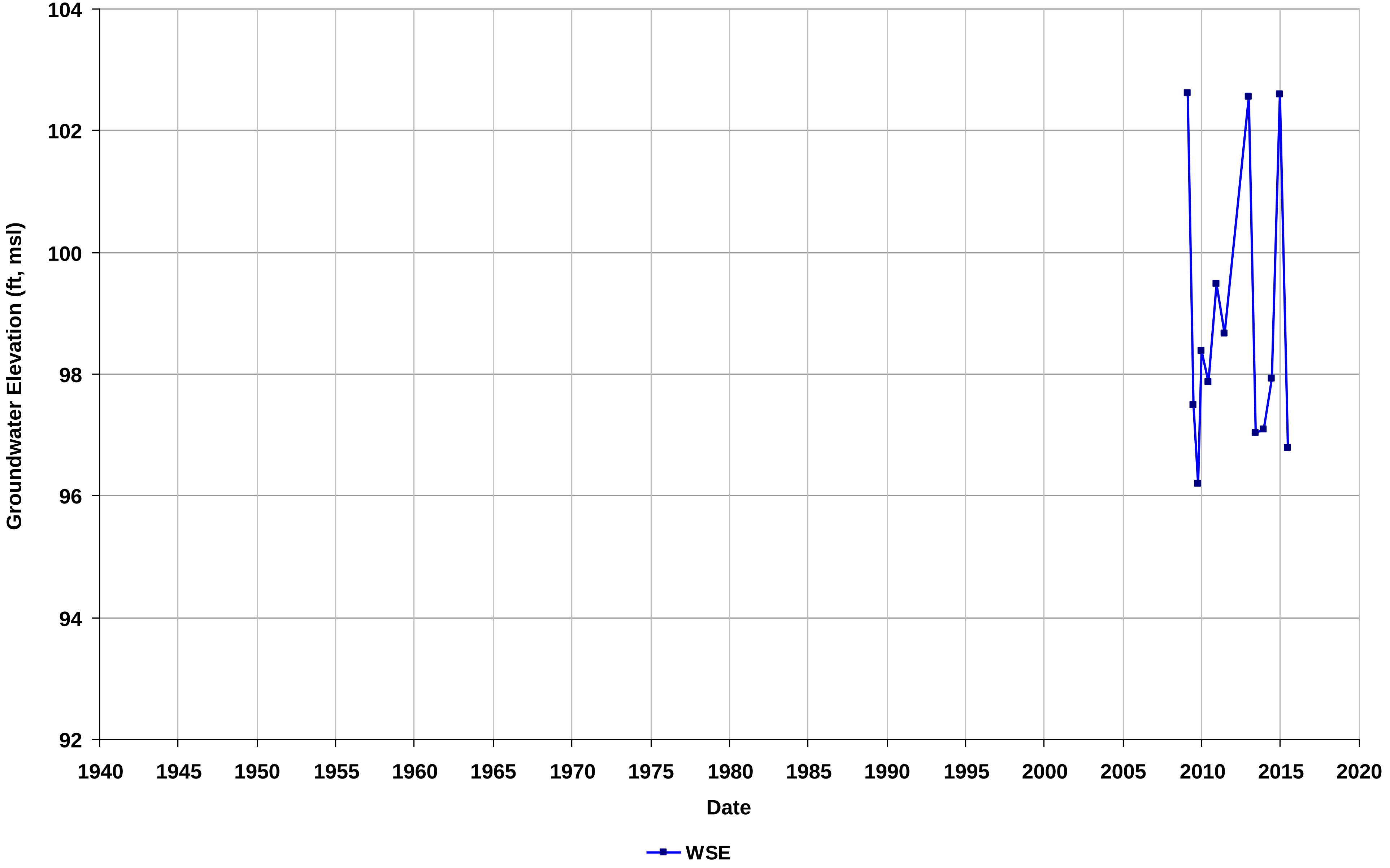
Well Name: SL0600165101-MW-4
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 12
Perf. Interval (ft bgs): 7-12
T/R/S: 04S/02W/26
Well Use: Observation



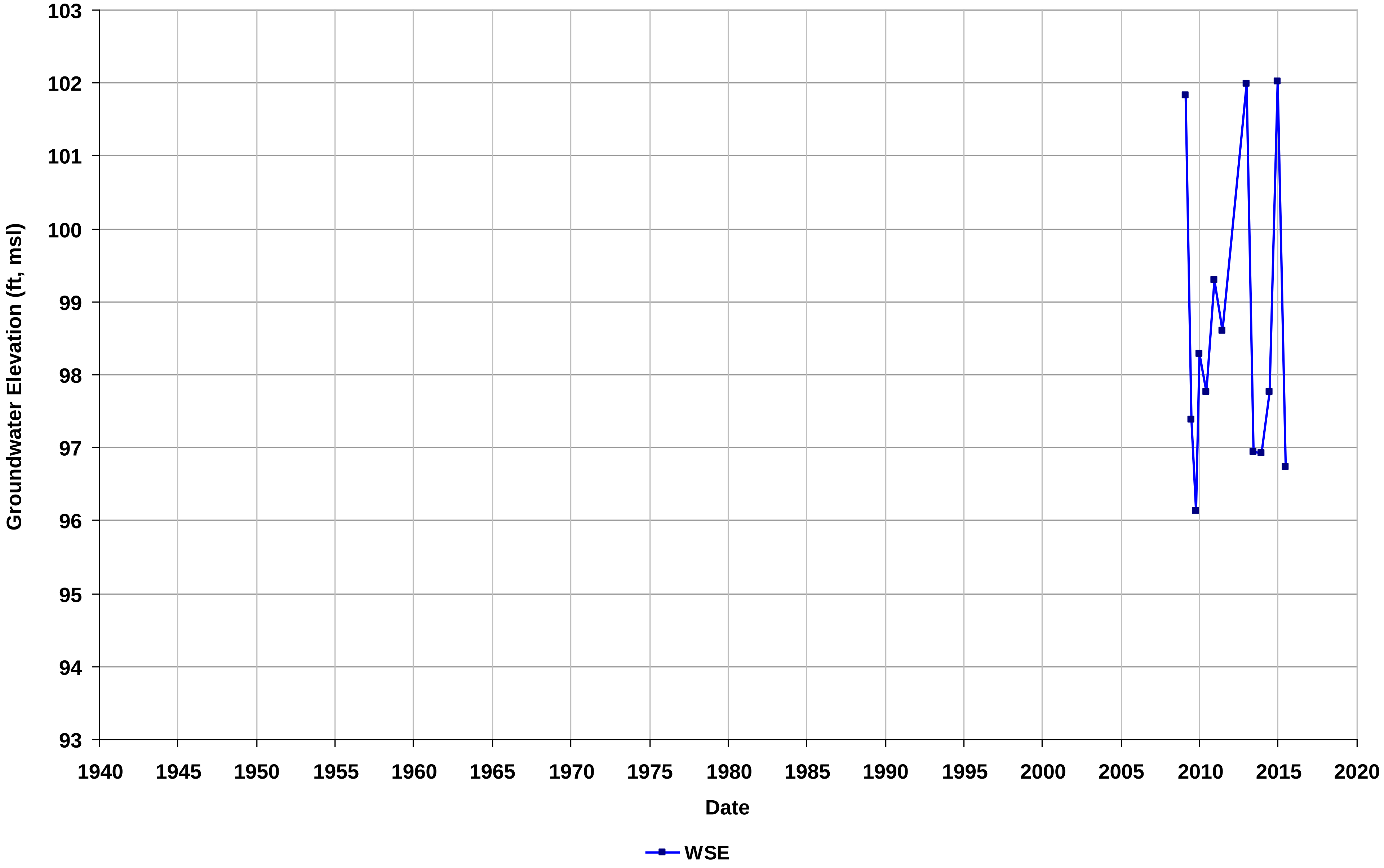
Well Name: SL0600171768-MW-1
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 10-20
T/R/S: 01S/04W/23
Well Use: Observation



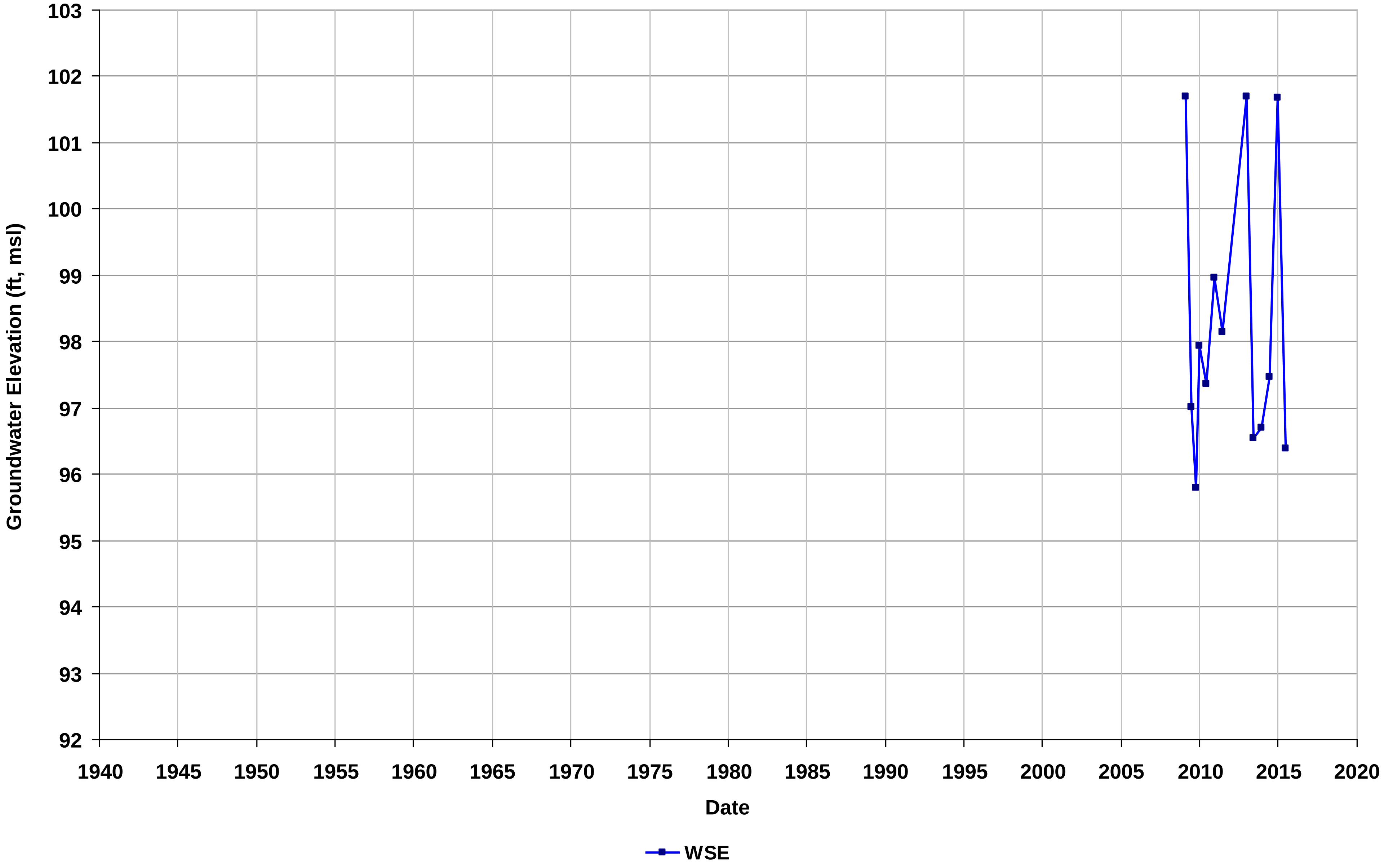
Well Name: SL0600171768-MW-2
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 10-20
T/R/S: 01S/04W/23
Well Use: Observation



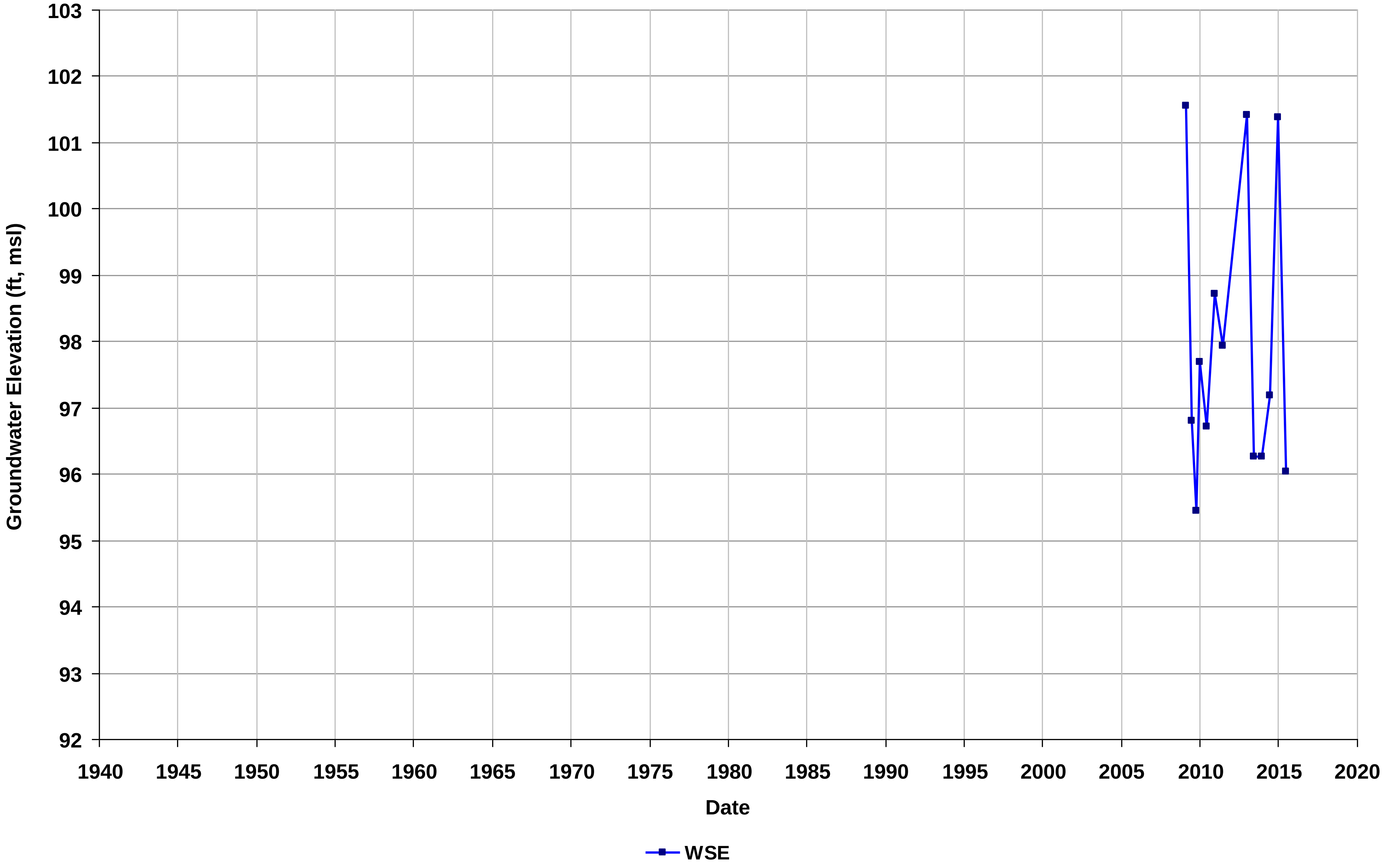
Well Name: SL0600171768-MW-3
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 10-20
T/R/S: 01S/04W/23
Well Use: Observation



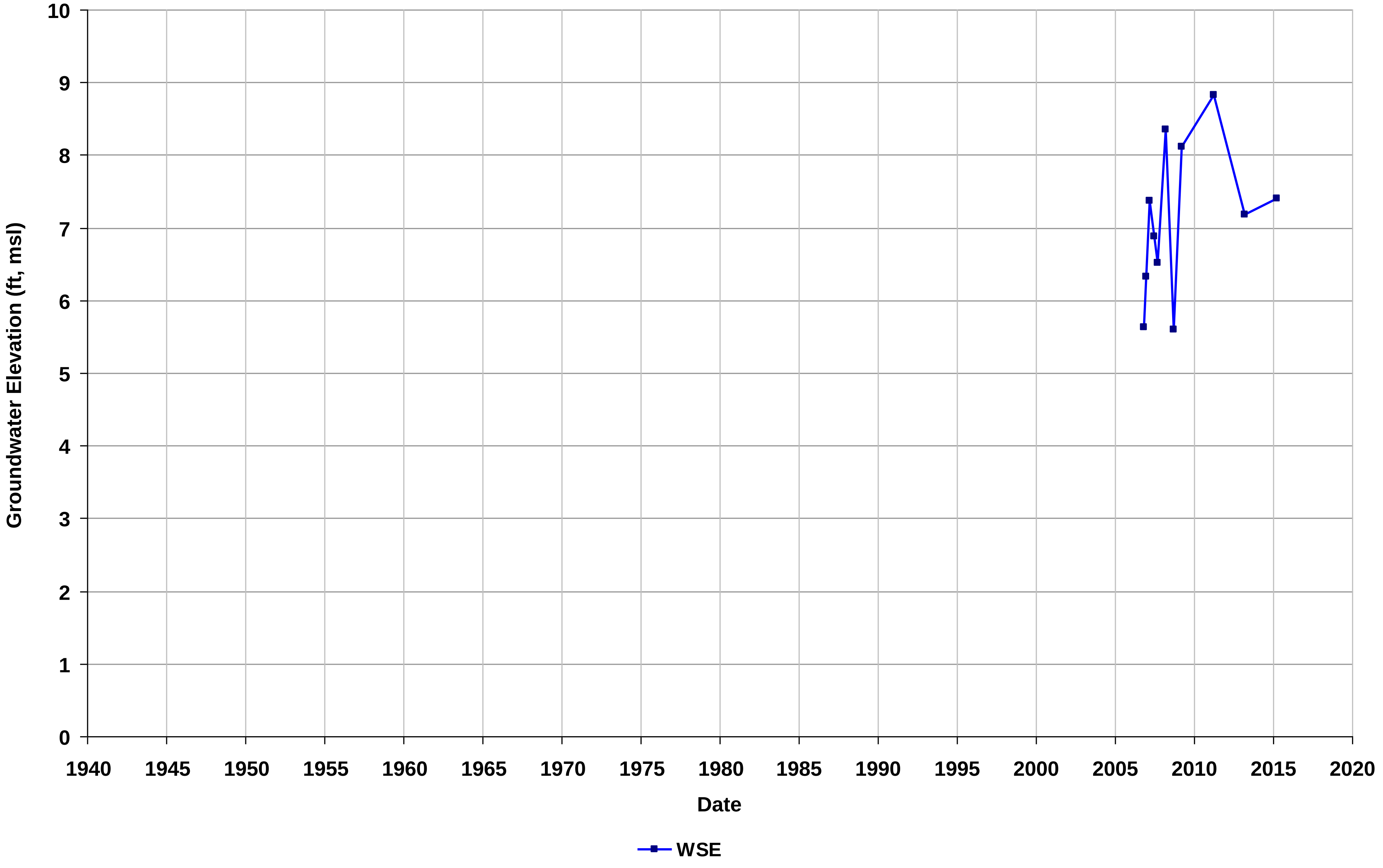
Well Name: SL0600171768-MW-4
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 10-20
T/R/S: 01S/04W/23
Well Use: Observation



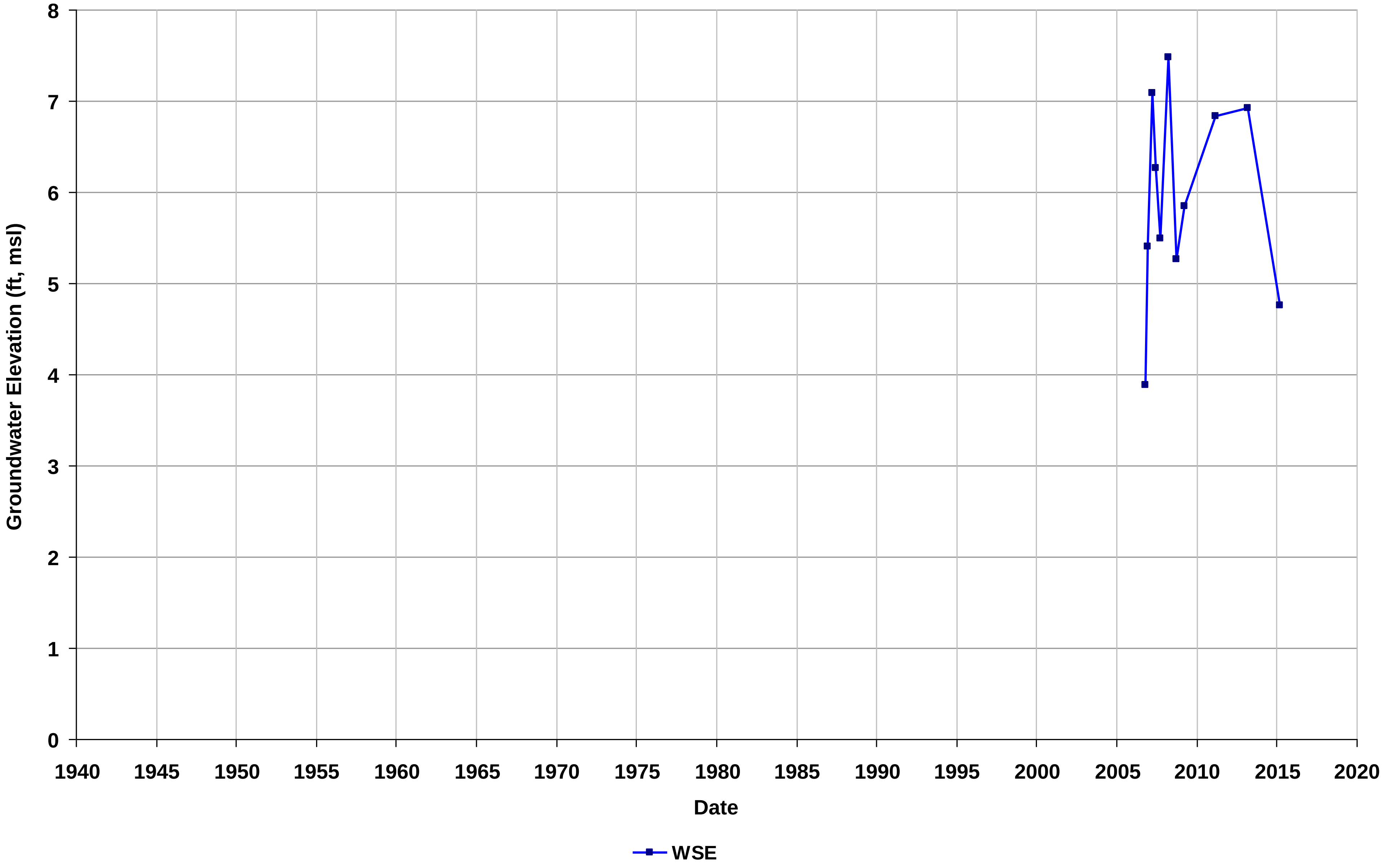
Well Name: SL0600173599-MW-1
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 3.5-13
T/R/S: n/a
Well Use: Observation



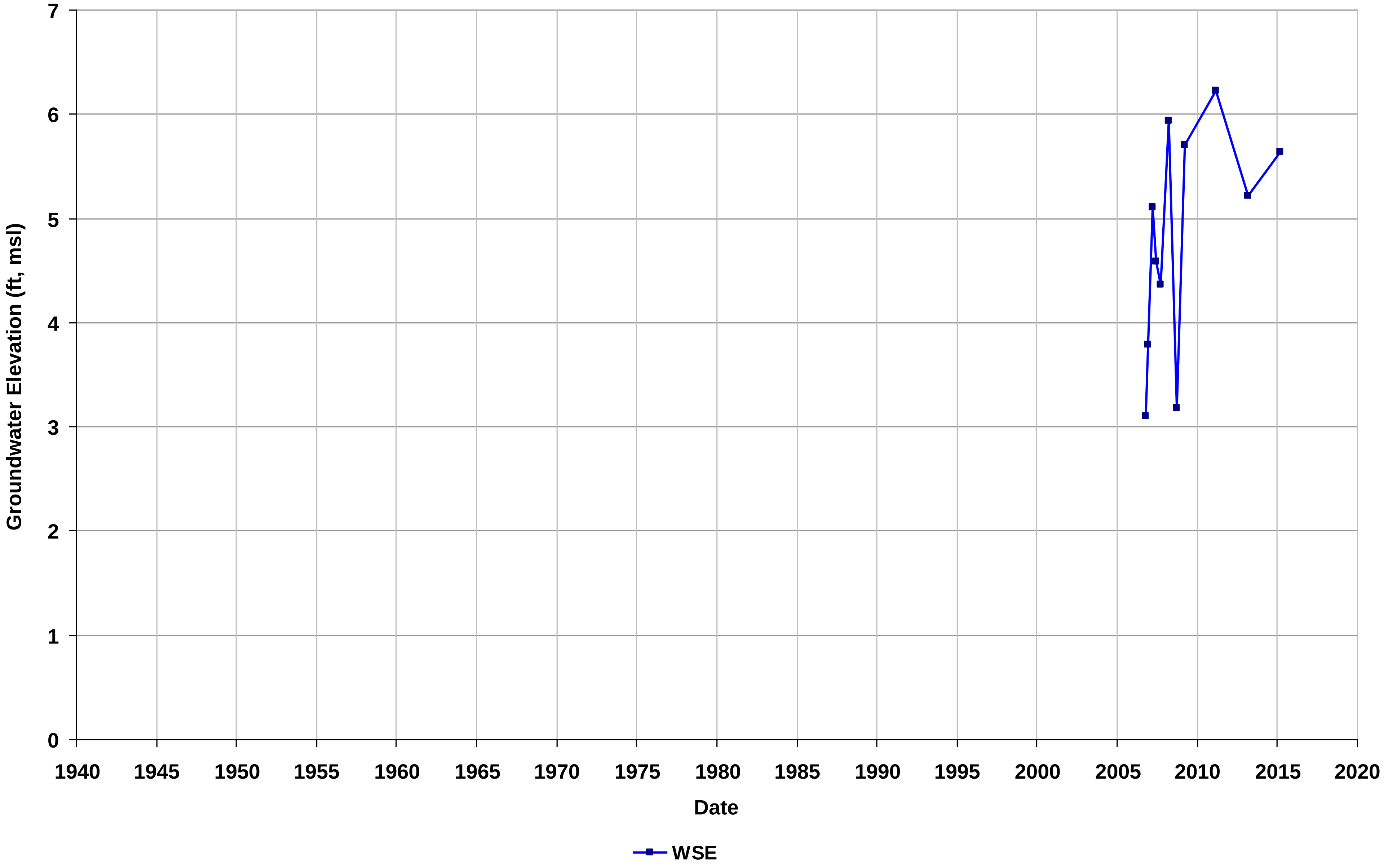
Well Name: SL0600173599-MW-2
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 4.5-14
T/R/S: n/a
Well Use: Observation



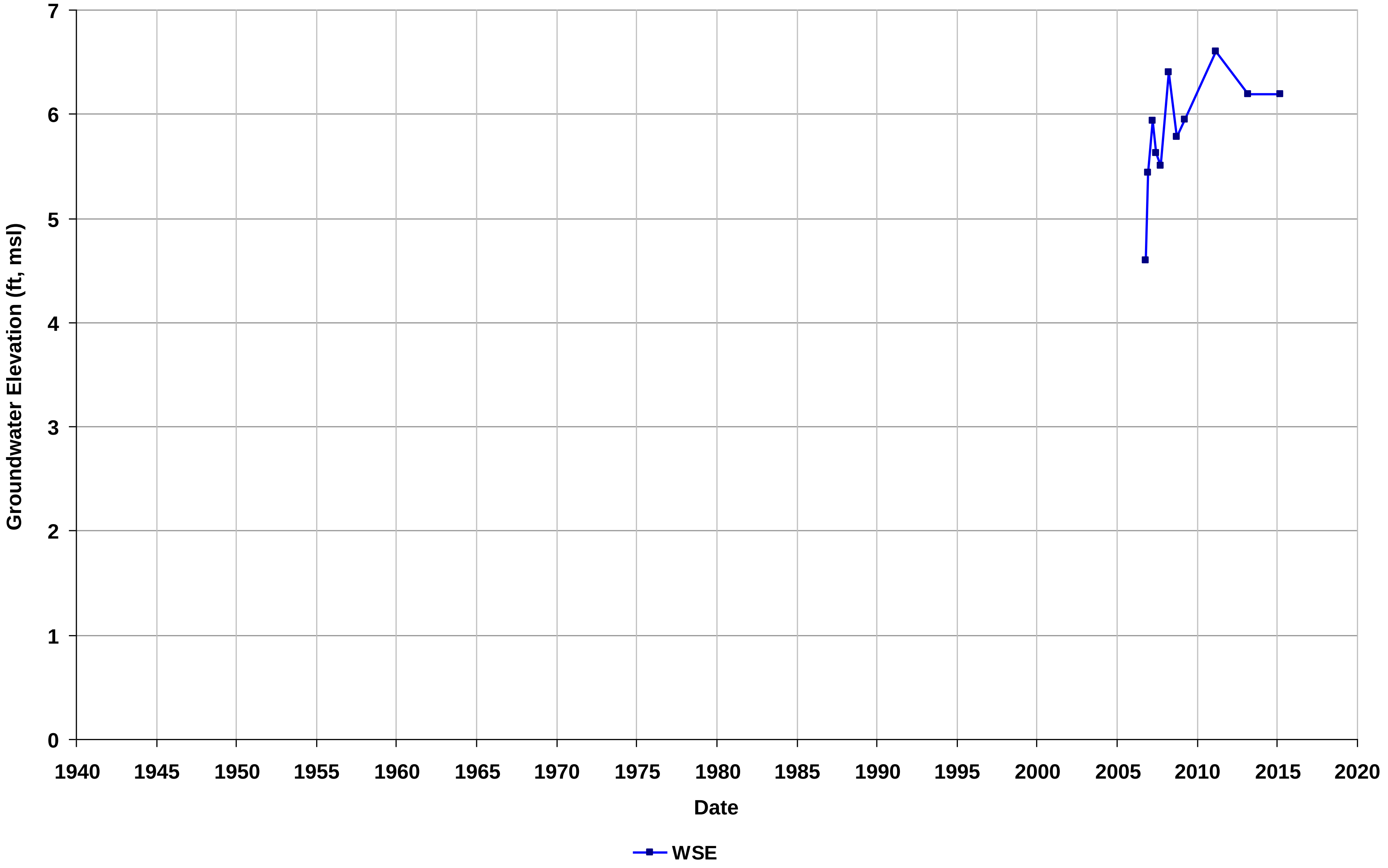
Well Name: SL0600173599-MW-3
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 3.5-14
T/R/S: n/a
Well Use: Observation



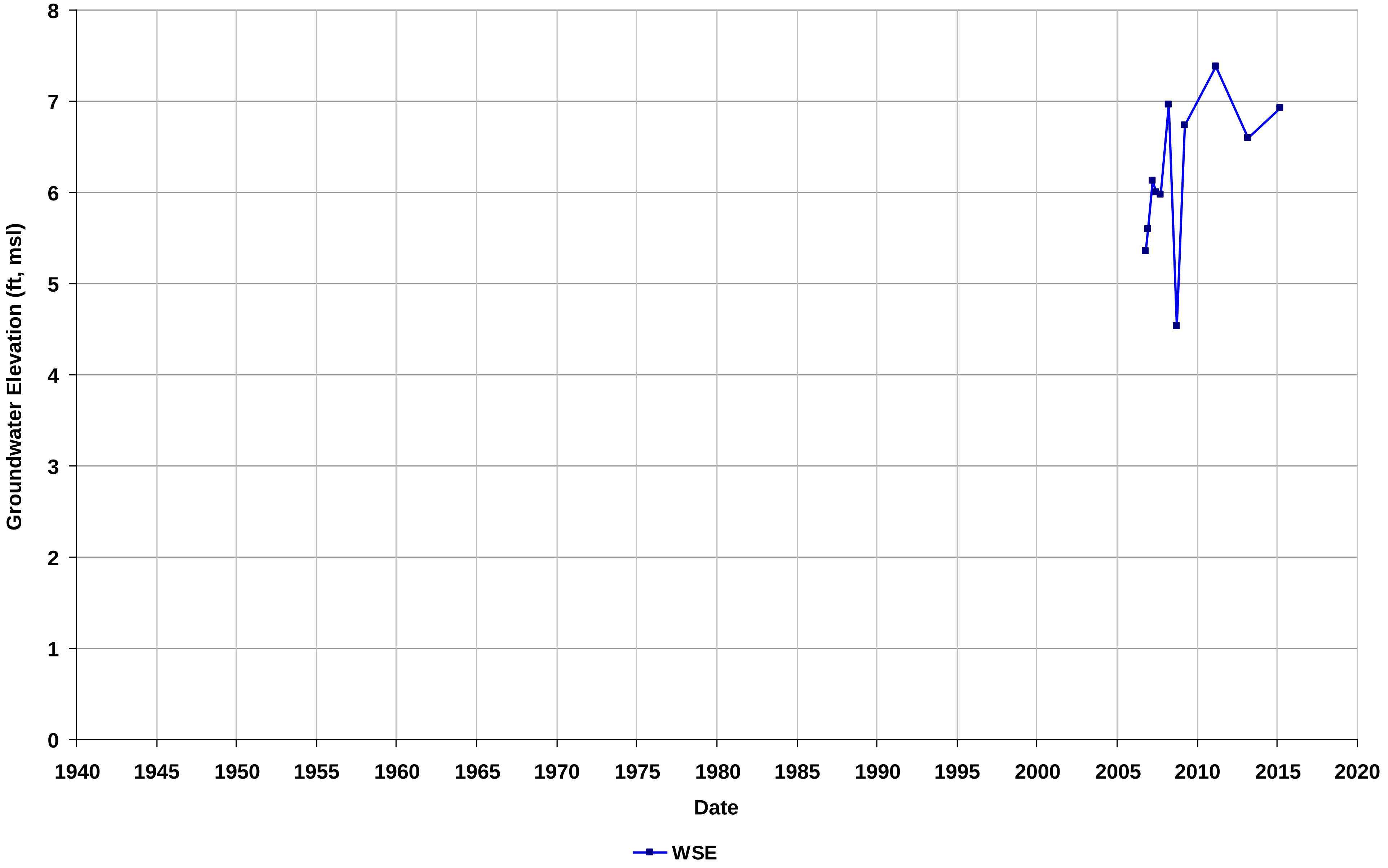
Well Name: SL0600173599-MW-4
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 4.5-14
T/R/S: n/a
Well Use: Observation



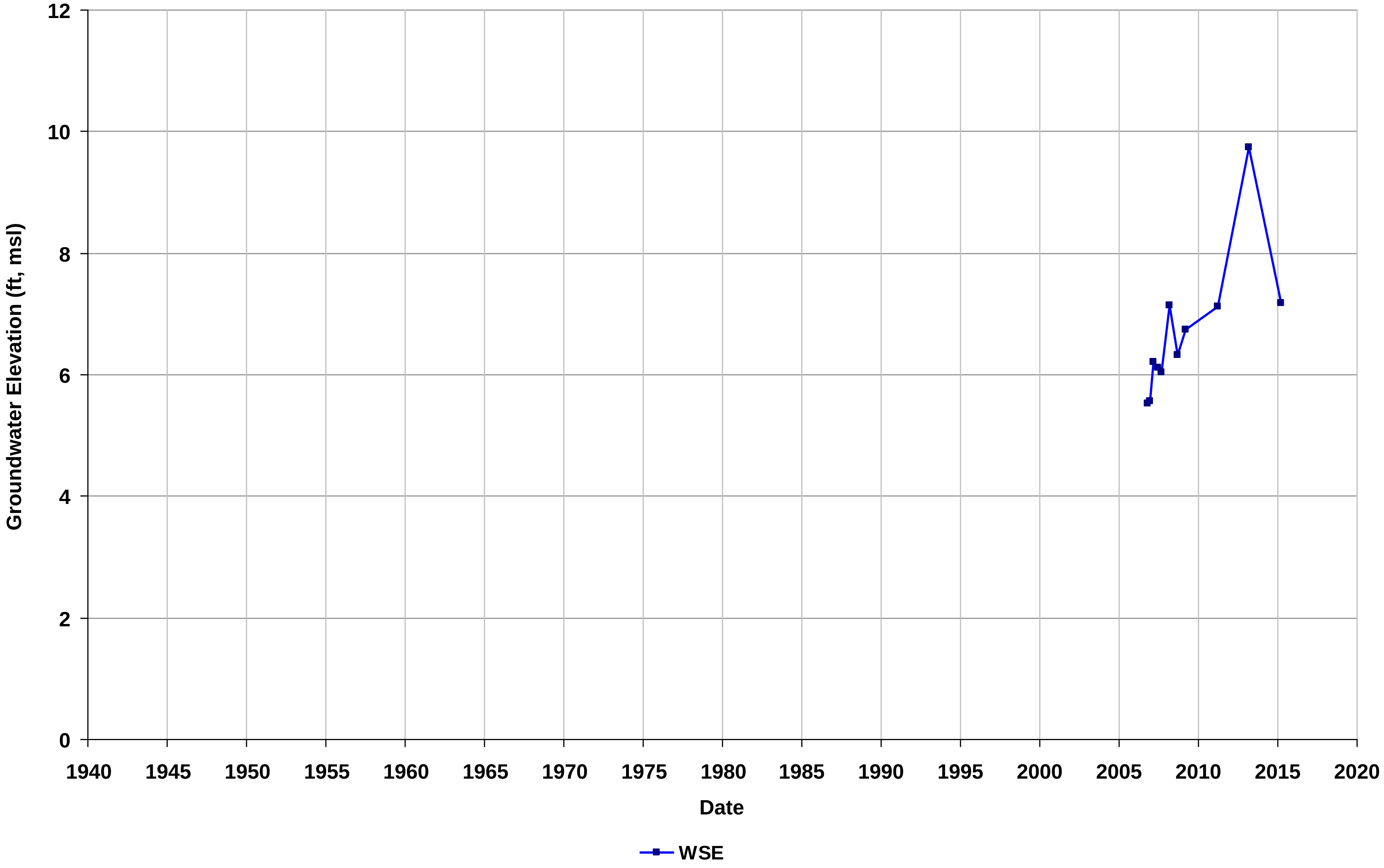
Well Name: SL0600173599-MW-5
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 3.5-13
T/R/S: n/a
Well Use: Observation



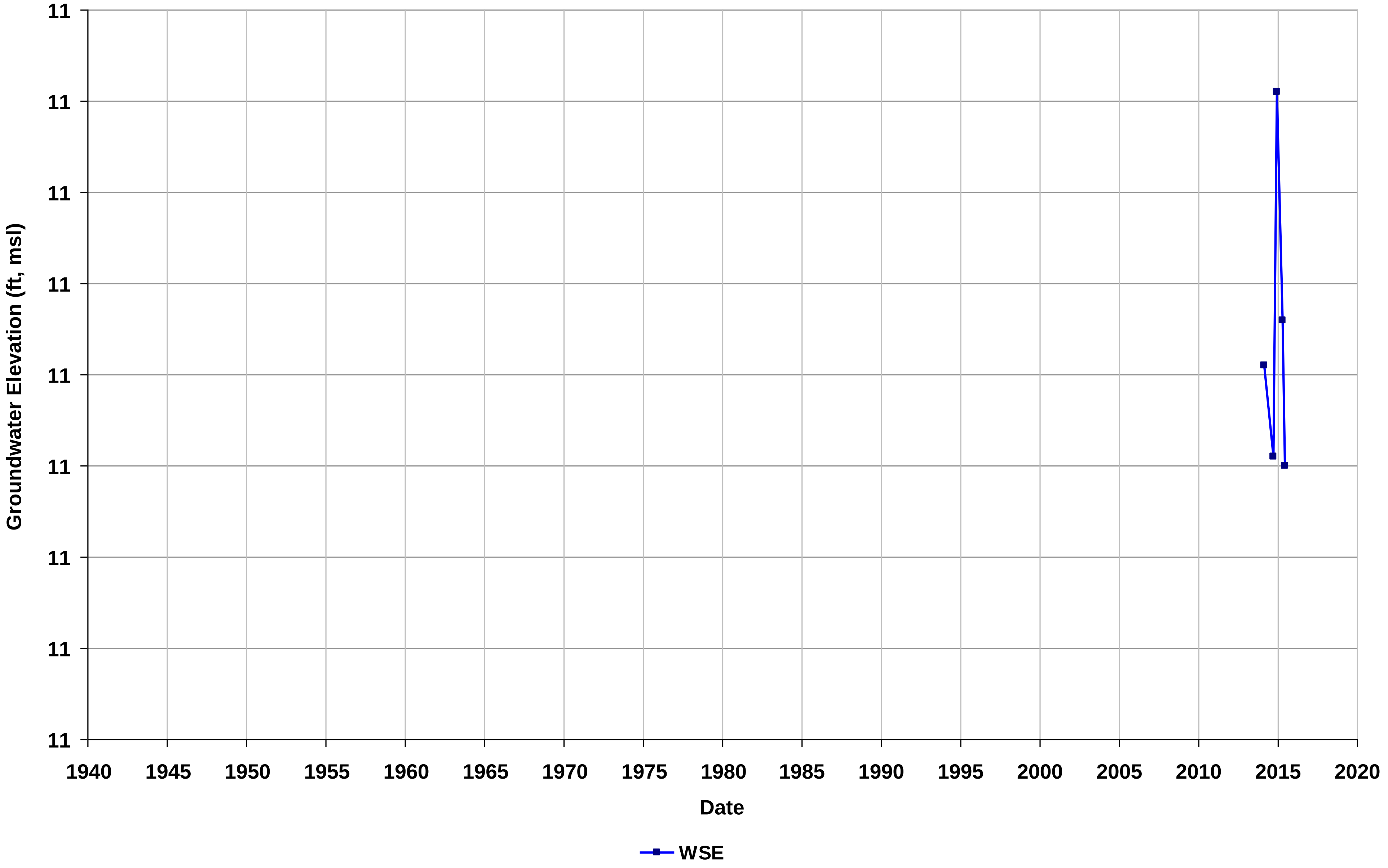
Well Name: SL0600173599-MW-6
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 4.5-14
T/R/S: n/a
Well Use: Observation



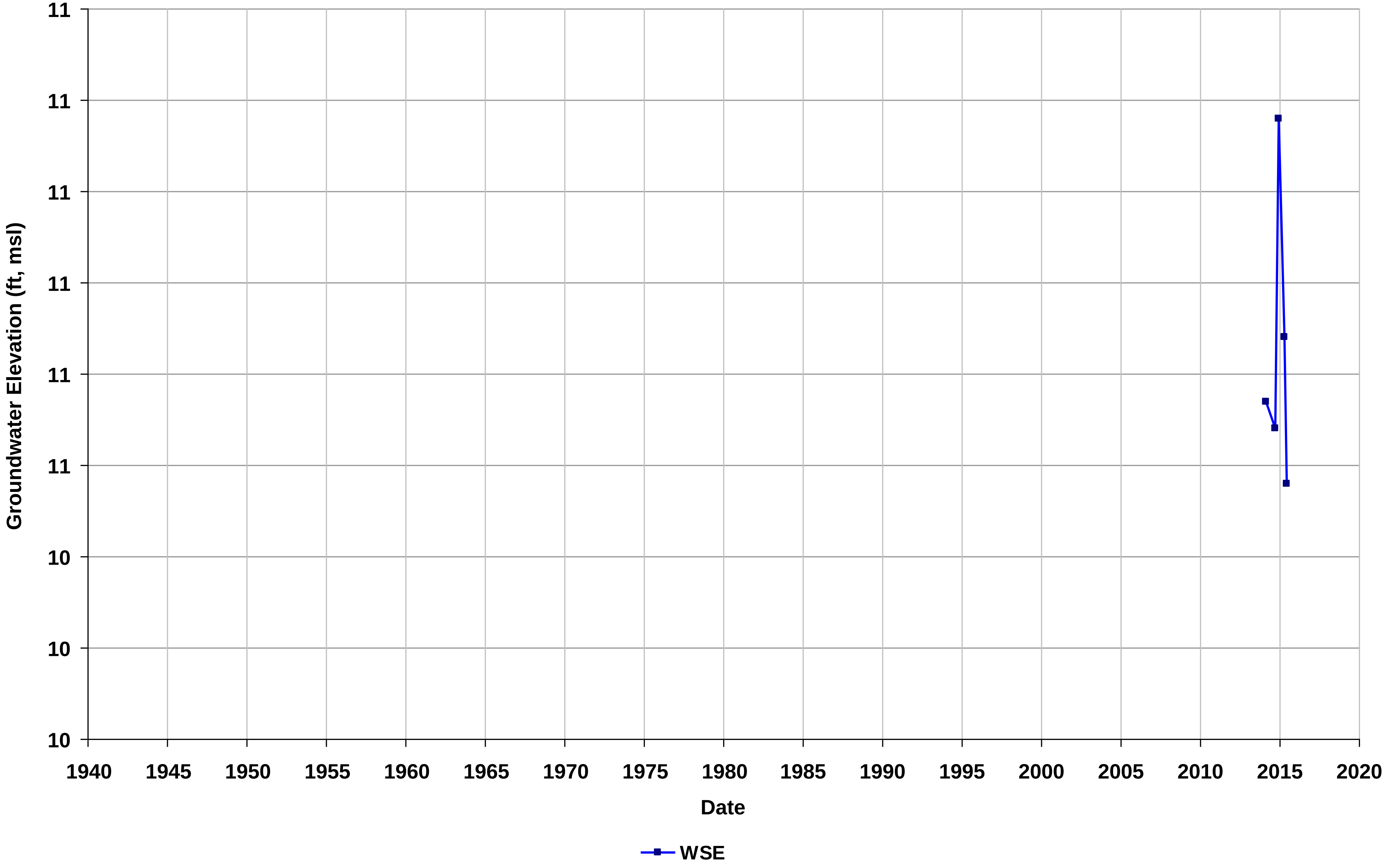
Well Name: SL0600183744-MW-1
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 17-27
T/R/S: 03S/02W/30
Well Use: Observation



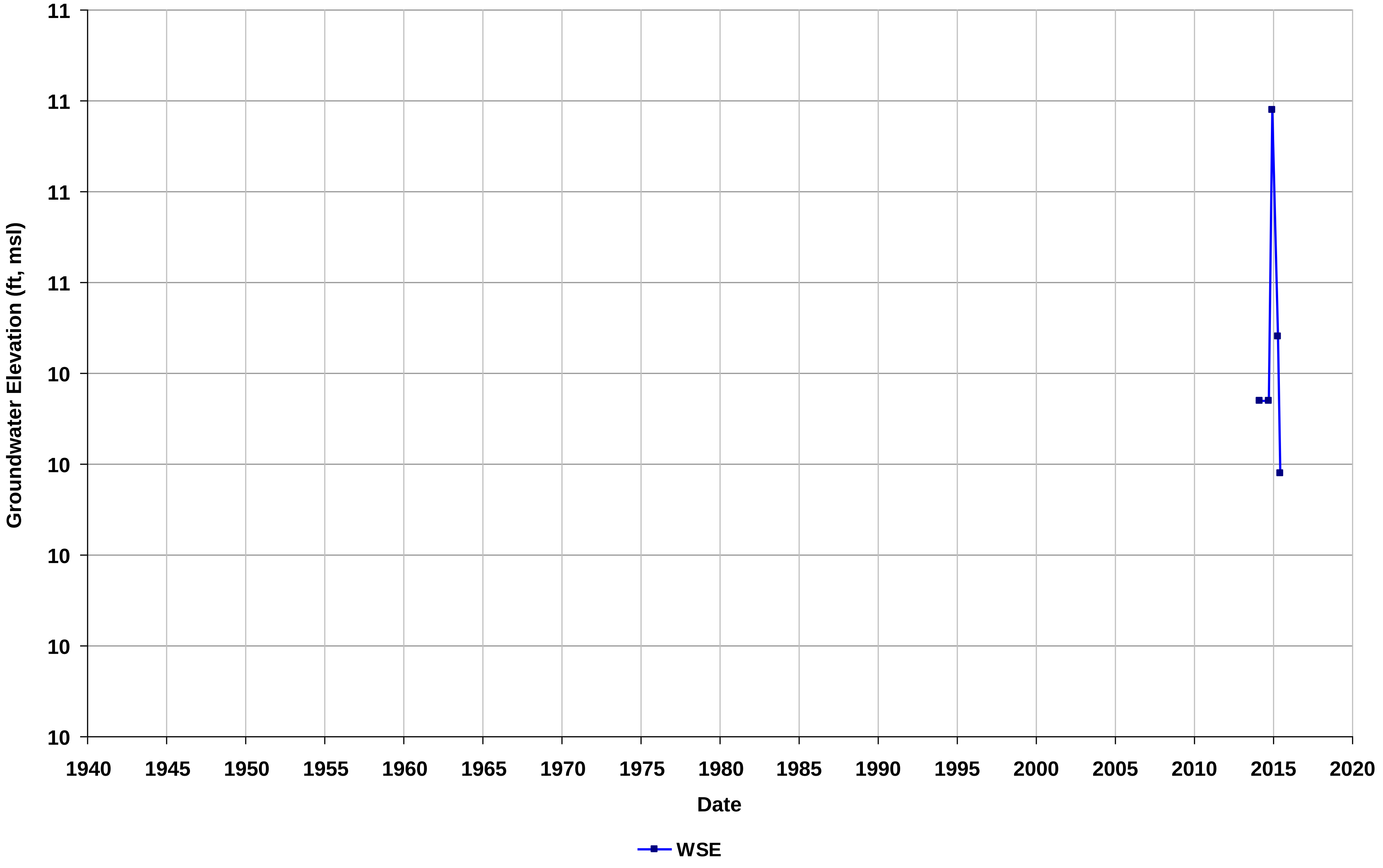
Well Name: SL0600183744-MW-2
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 17-27
T/R/S: 03S/02W/30
Well Use: Observation



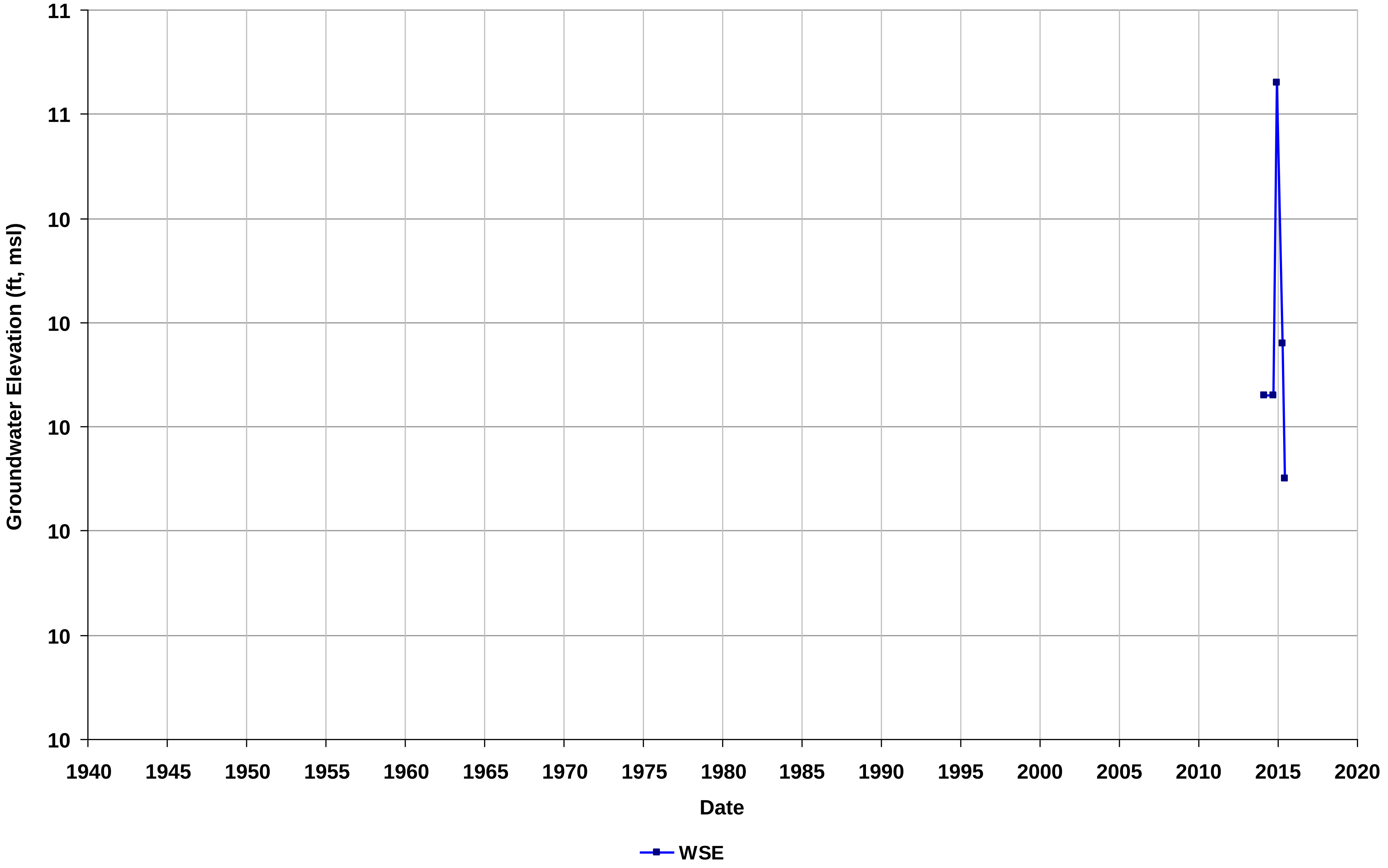
Well Name: SL0600183744-MW-3
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 17-27
T/R/S: 03S/02W/30
Well Use: Observation



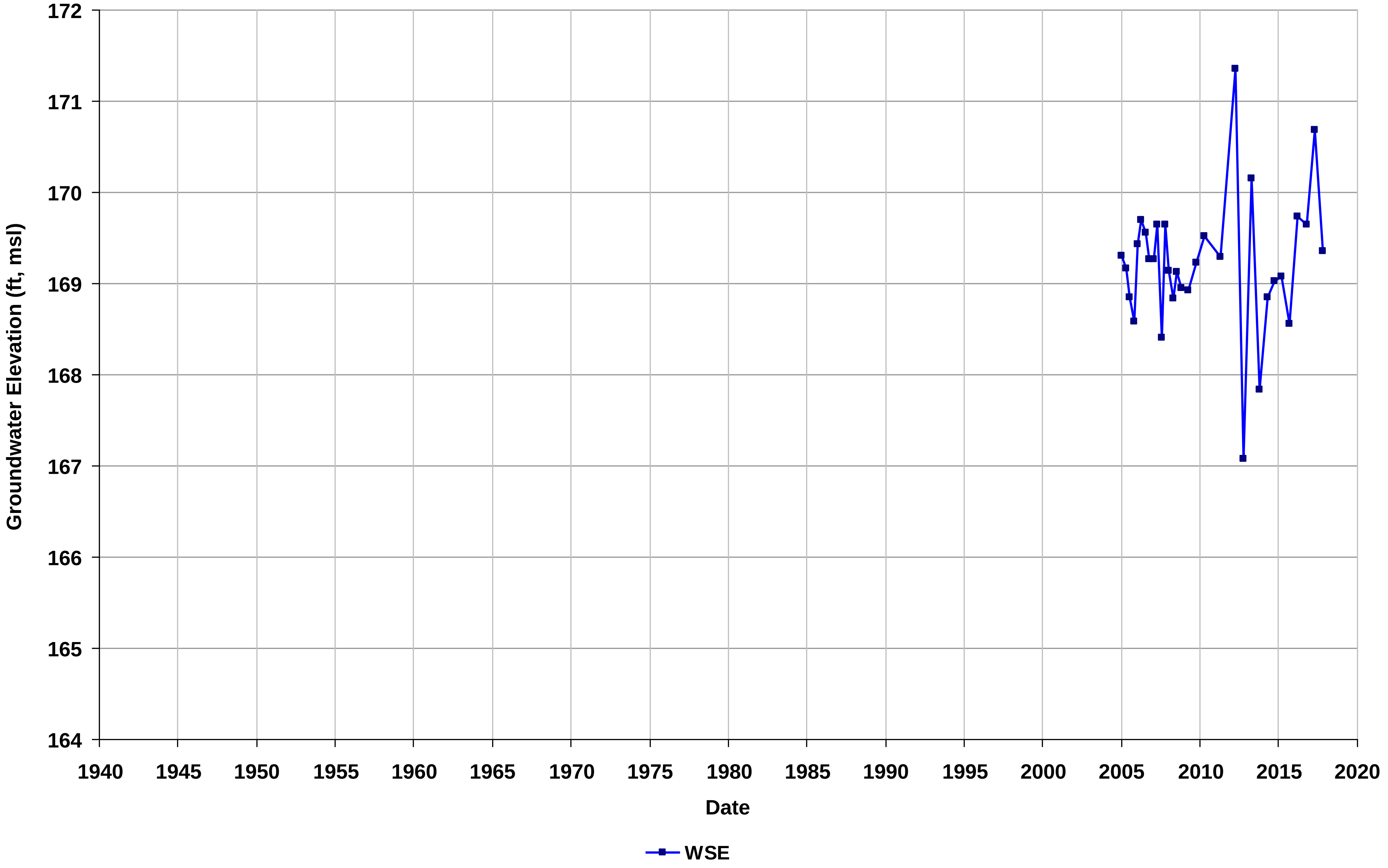
Well Name: SL0600183744-MW-4
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 17-27
T/R/S: 03S/02W/30
Well Use: Observation



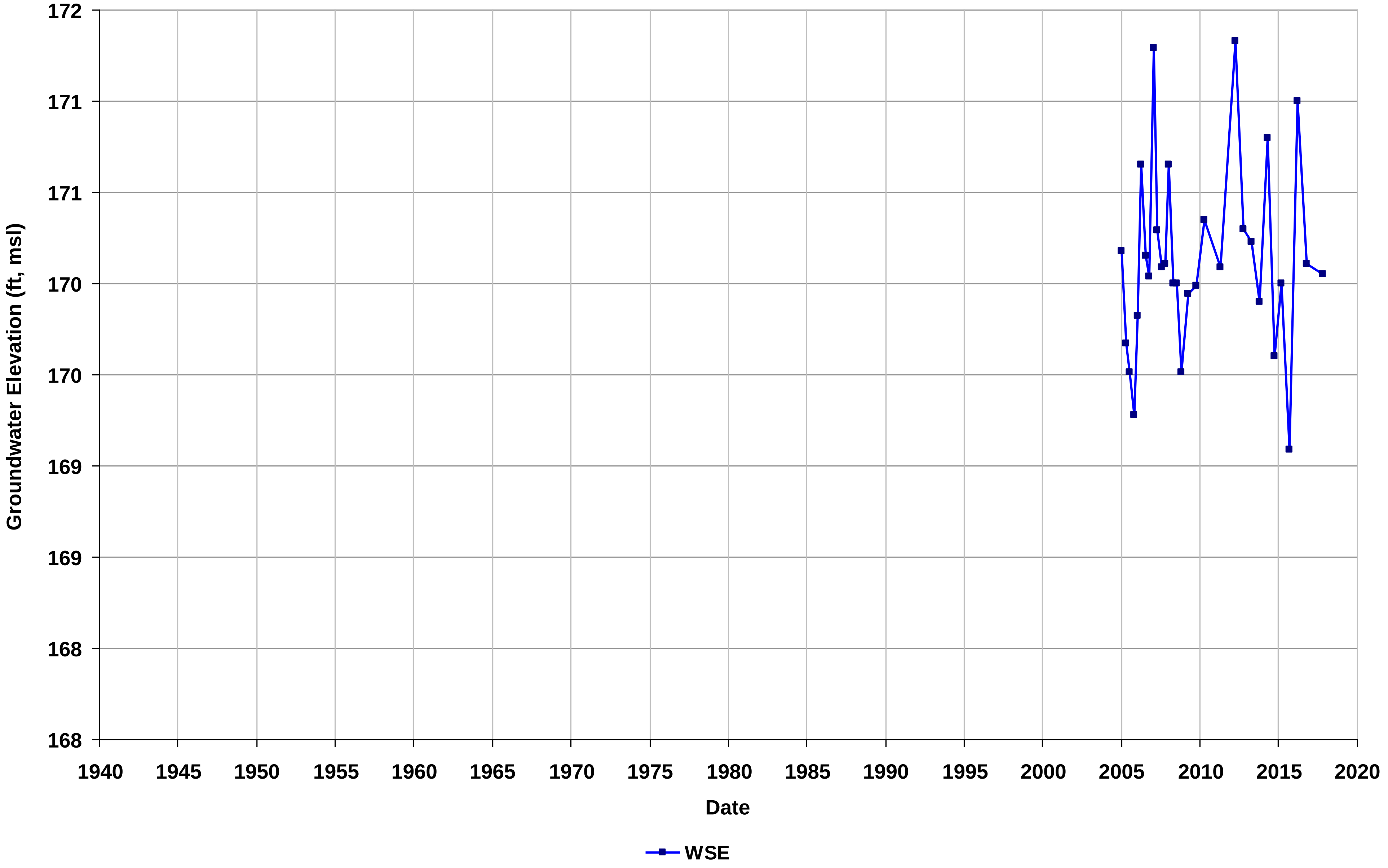
Well Name: SL0600186440-MW-1
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 15-20
T/R/S: 01S/04W/12
Well Use: Observation



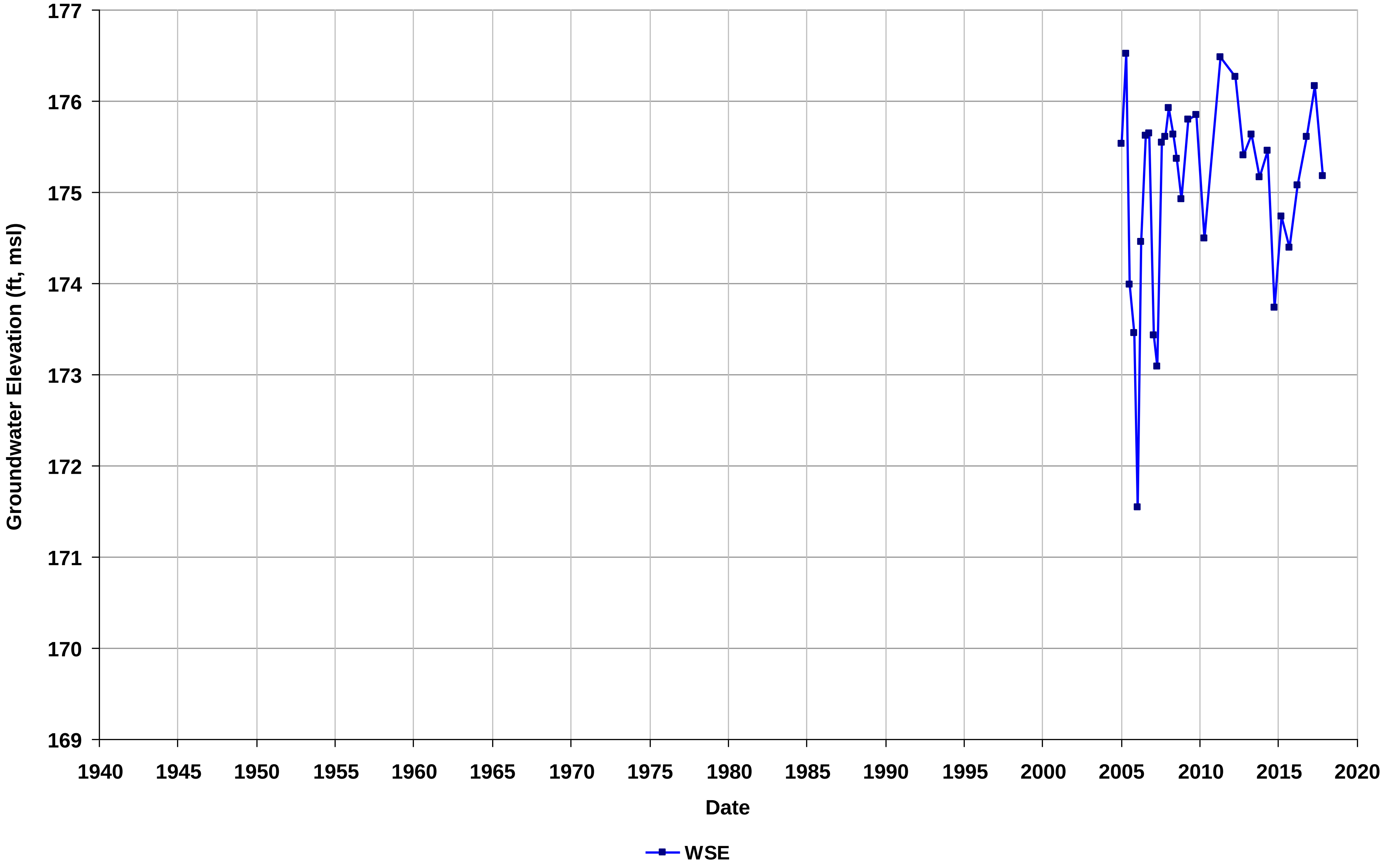
Well Name: SL0600186440-MW-2
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 15-20
T/R/S: 01S/04W/12
Well Use: Observation



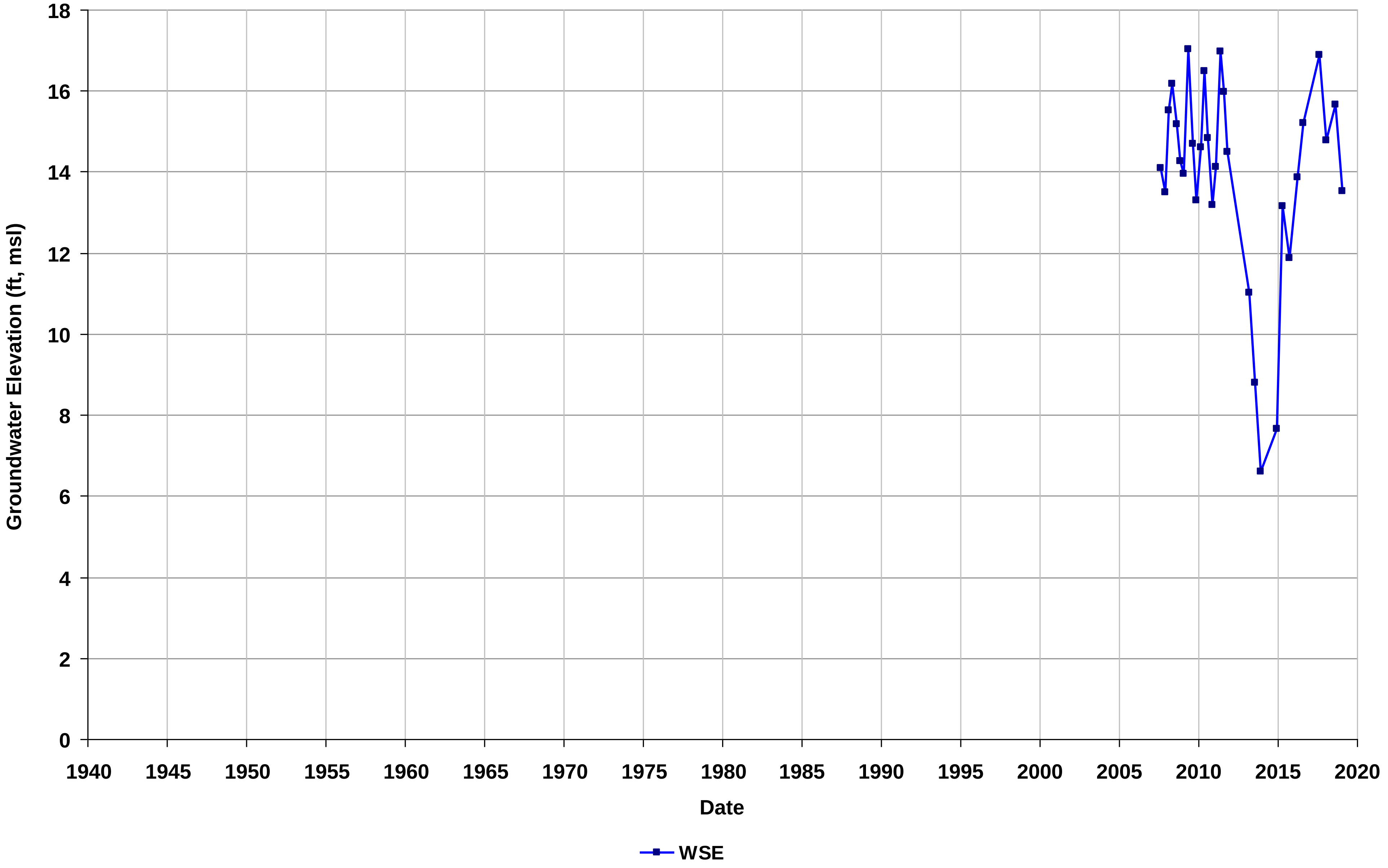
Well Name: SL0600186440-MW-3
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 15-20
T/R/S: 01S/04W/12
Well Use: Observation



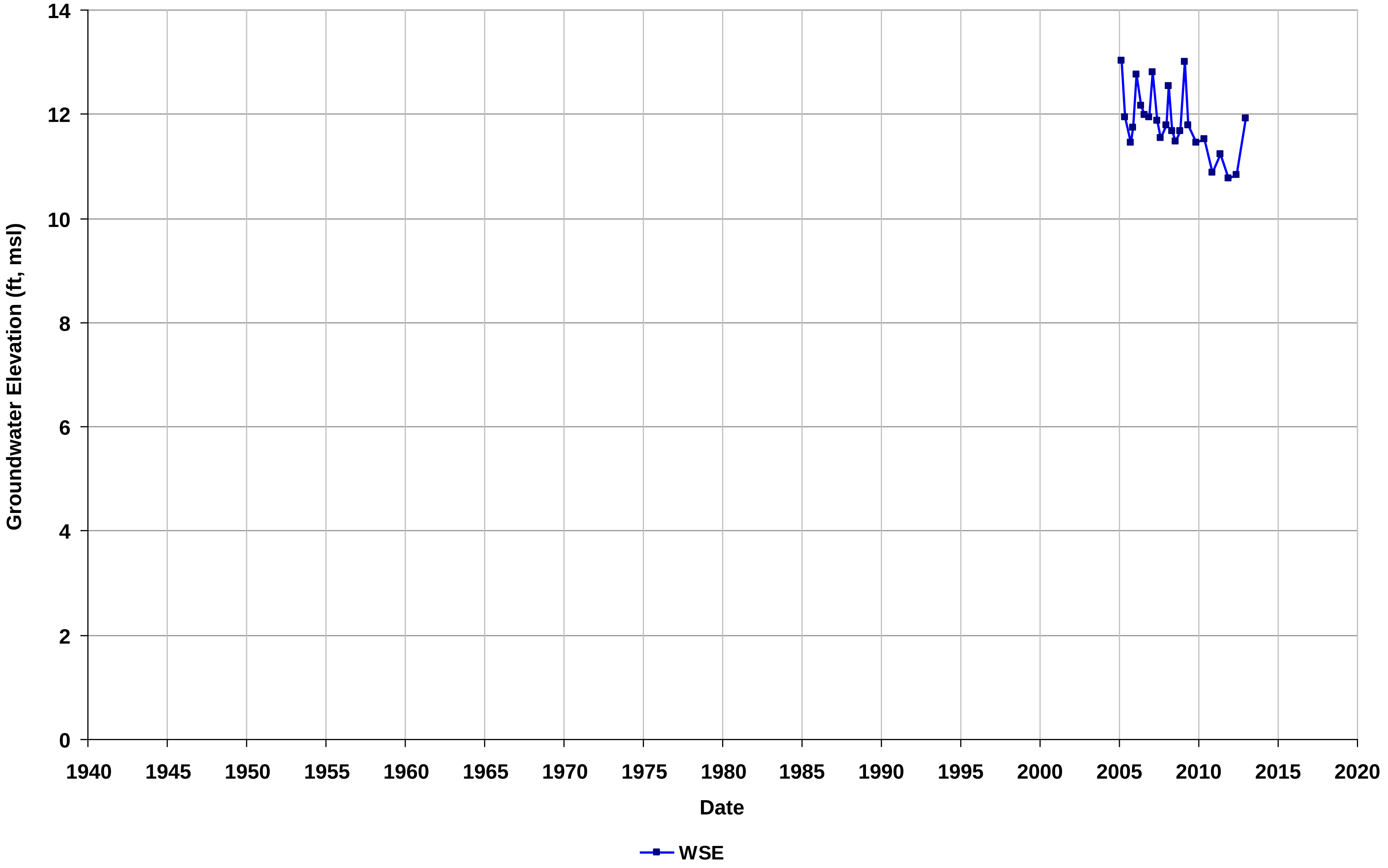
Well Name: SL0600188924-MWF7
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 39
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



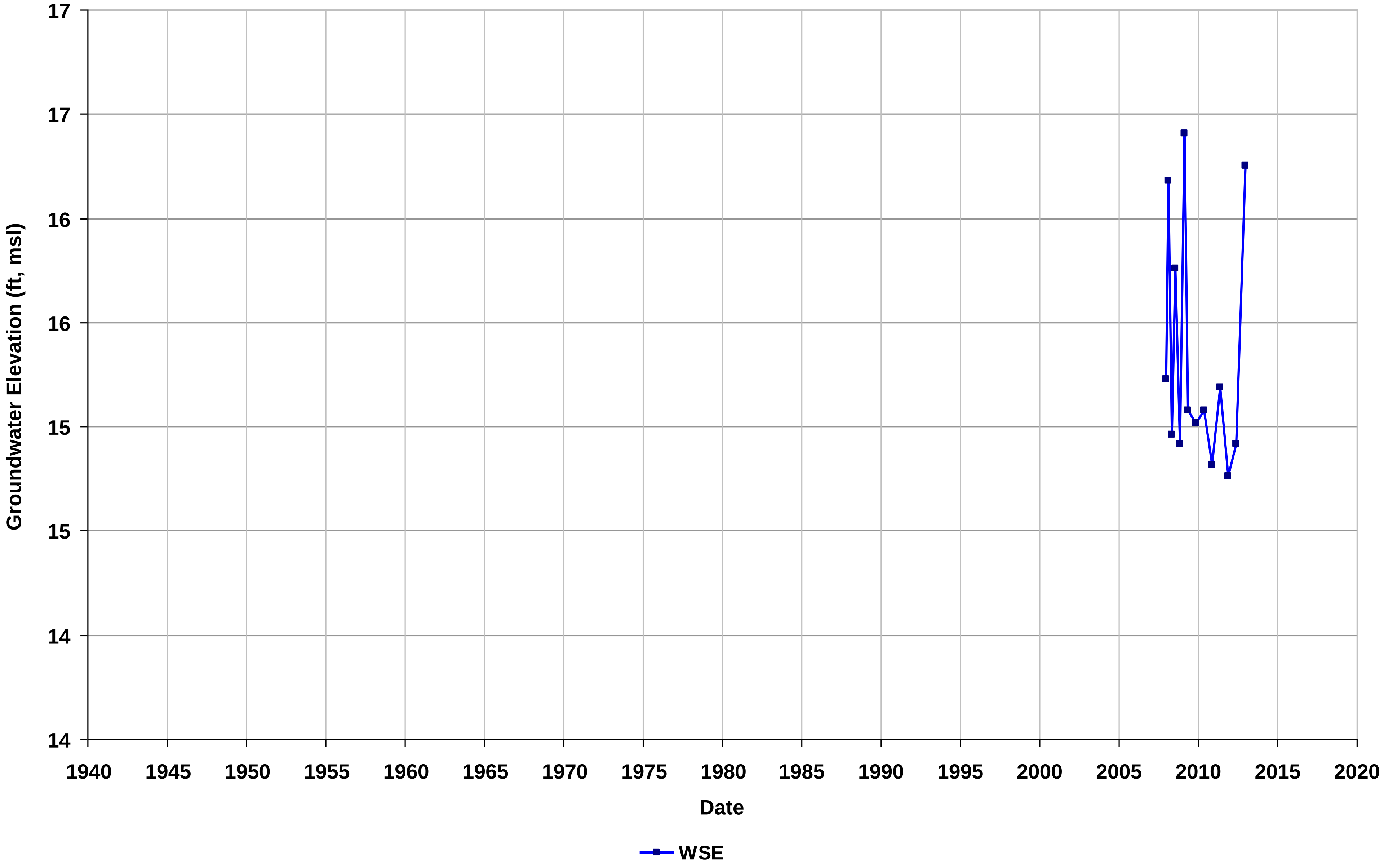
Well Name: SL0600198131-MW-1
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 12-18
T/R/S: 03S/02W/19
Well Use: Observation



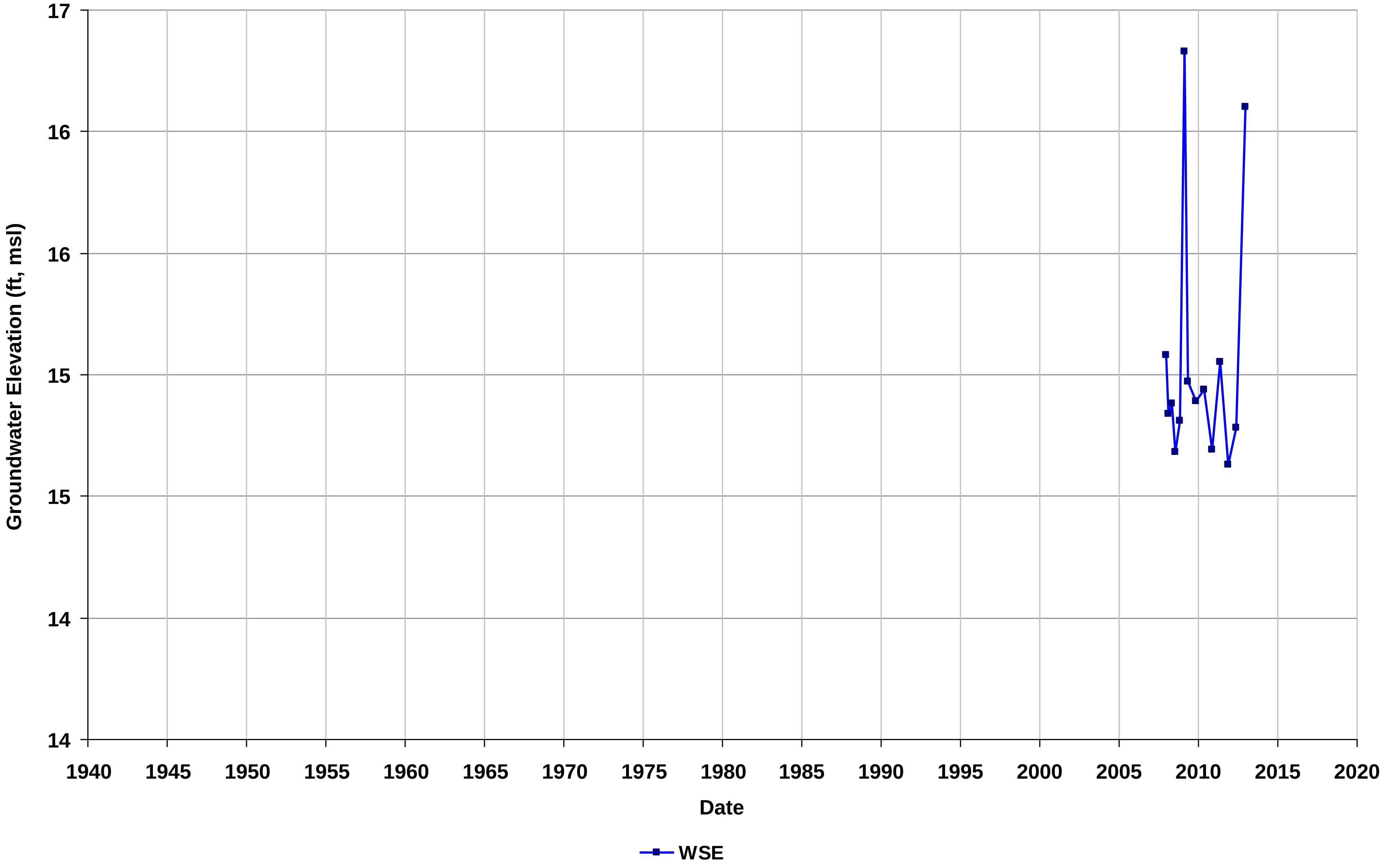
Well Name: SL0600198131-MW-10
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 7-12
T/R/S: 03S/02W/19
Well Use: Observation



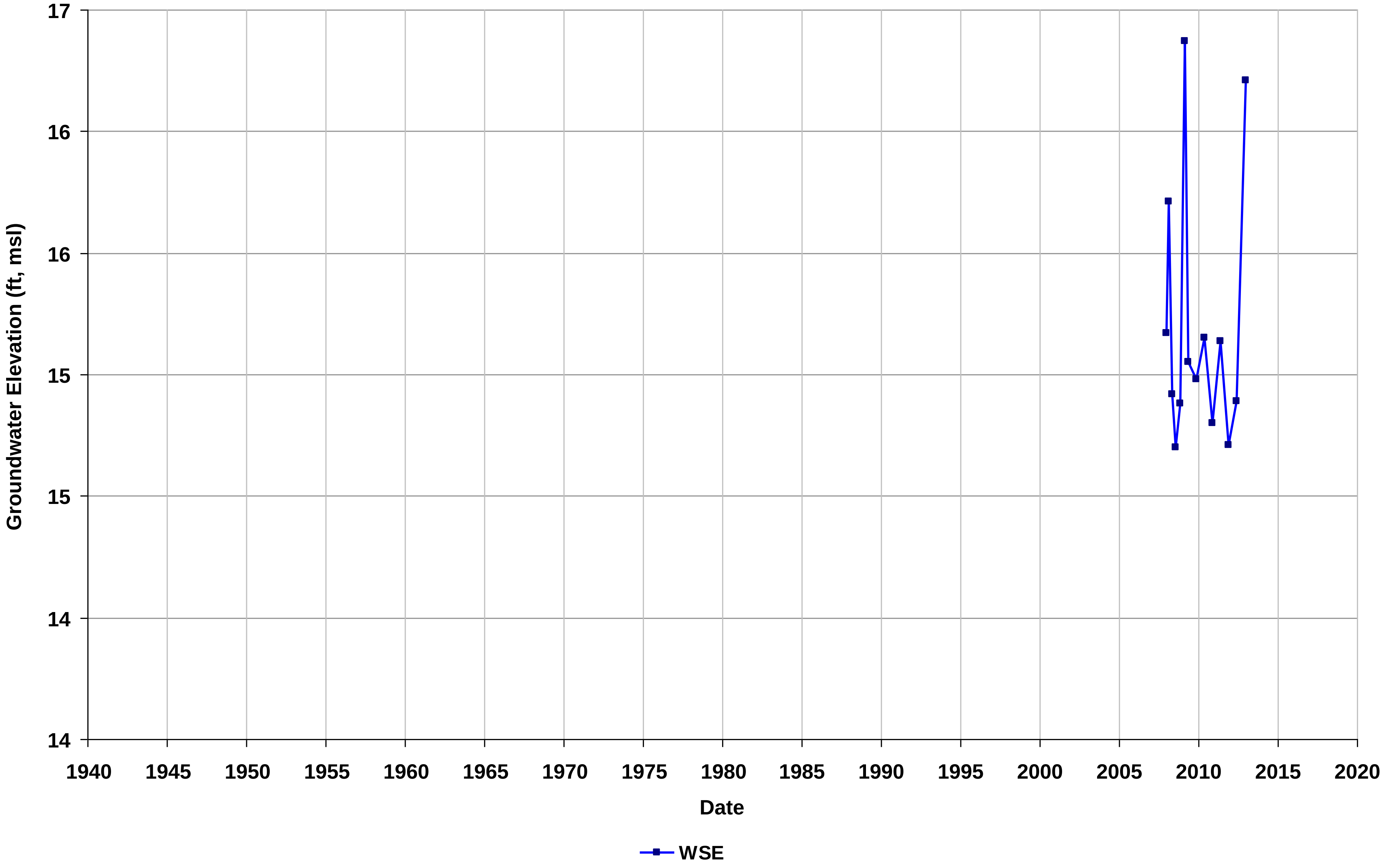
Well Name: SL0600198131-MW-11
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 14.5-20
T/R/S: 03S/02W/19
Well Use: Observation



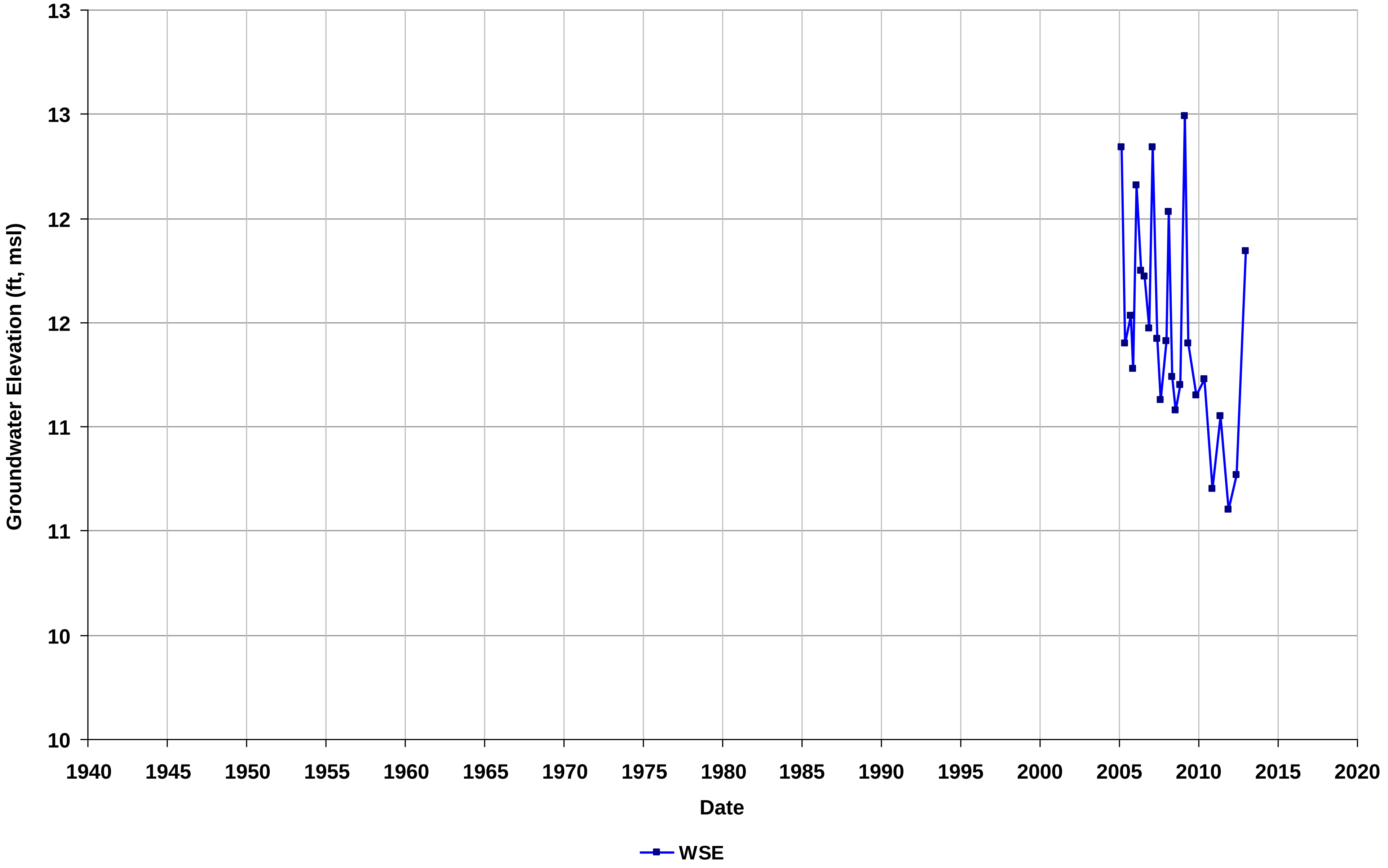
Well Name: SL0600198131-MW-12
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 14-18
T/R/S: 03S/02W/19
Well Use: Observation



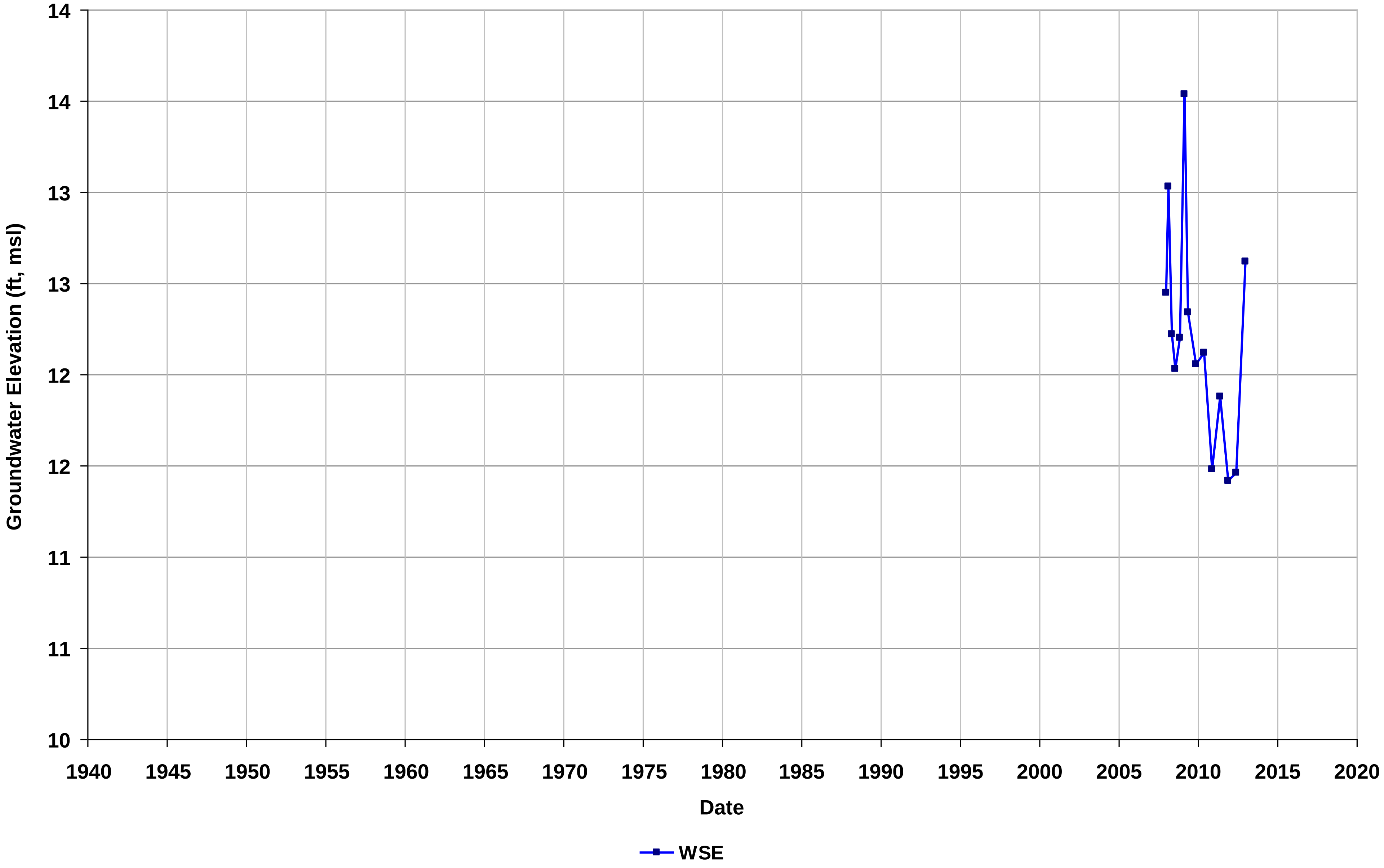
Well Name: SL0600198131-MW-2
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 17-22
T/R/S: 03S/02W/19
Well Use: Observation



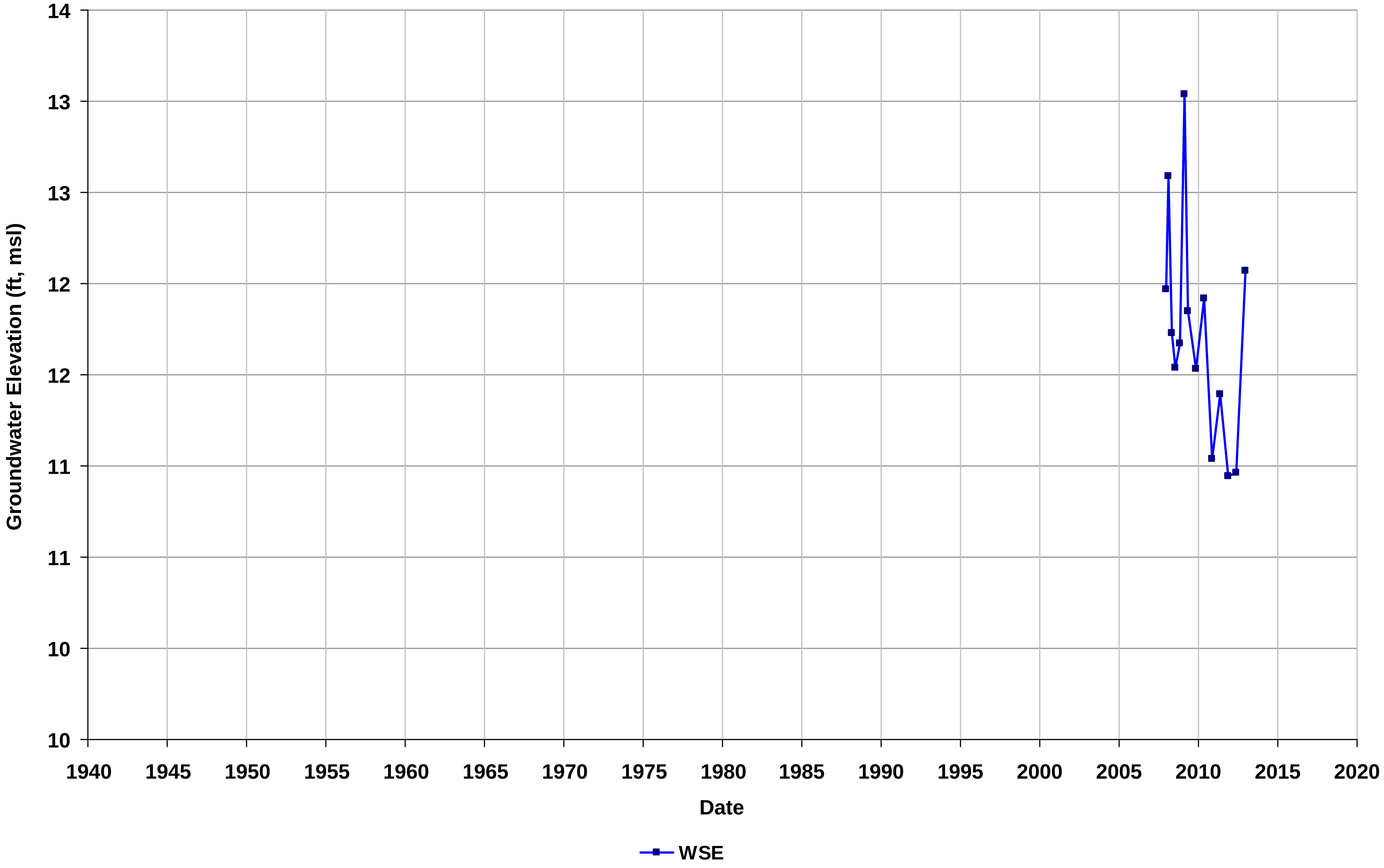
Well Name: SL0600198131-MW-3
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 13-18
T/R/S: 03S/02W/19
Well Use: Observation



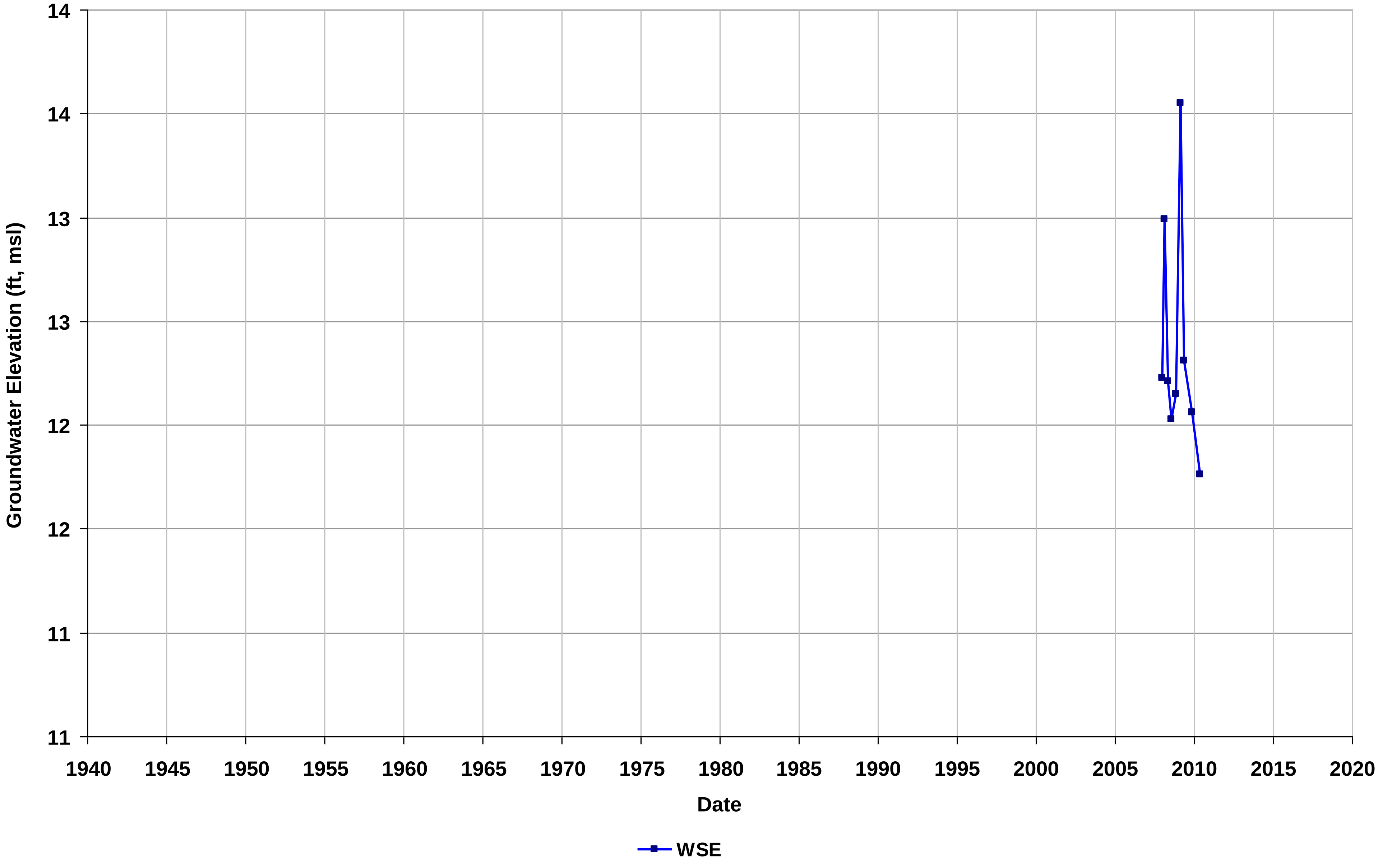
Well Name: SL0600198131-MW-4
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 13-18
T/R/S: 03S/02W/19
Well Use: Observation



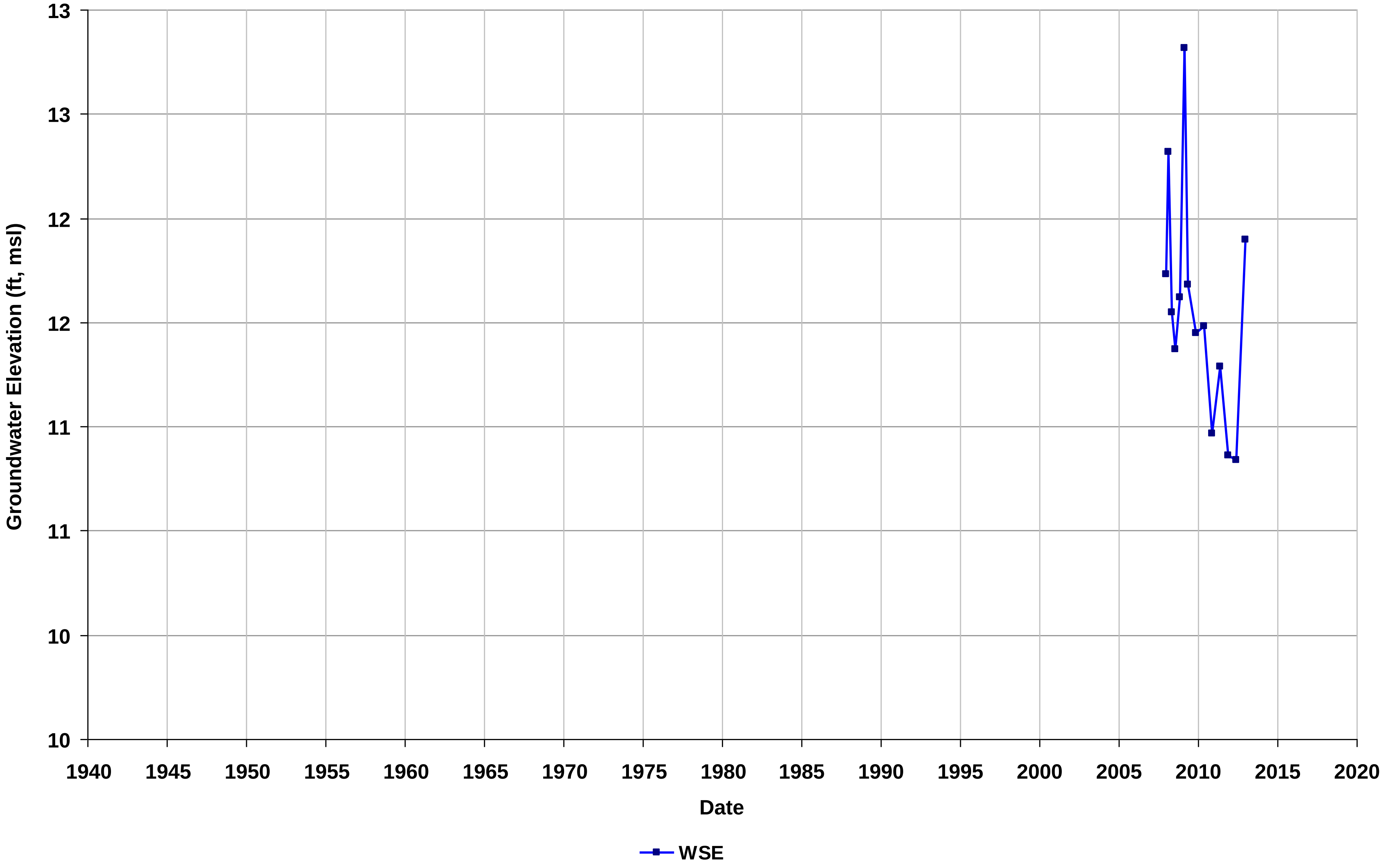
Well Name: SL0600198131-MW-5
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 11-18
T/R/S: 03S/02W/19
Well Use: Observation



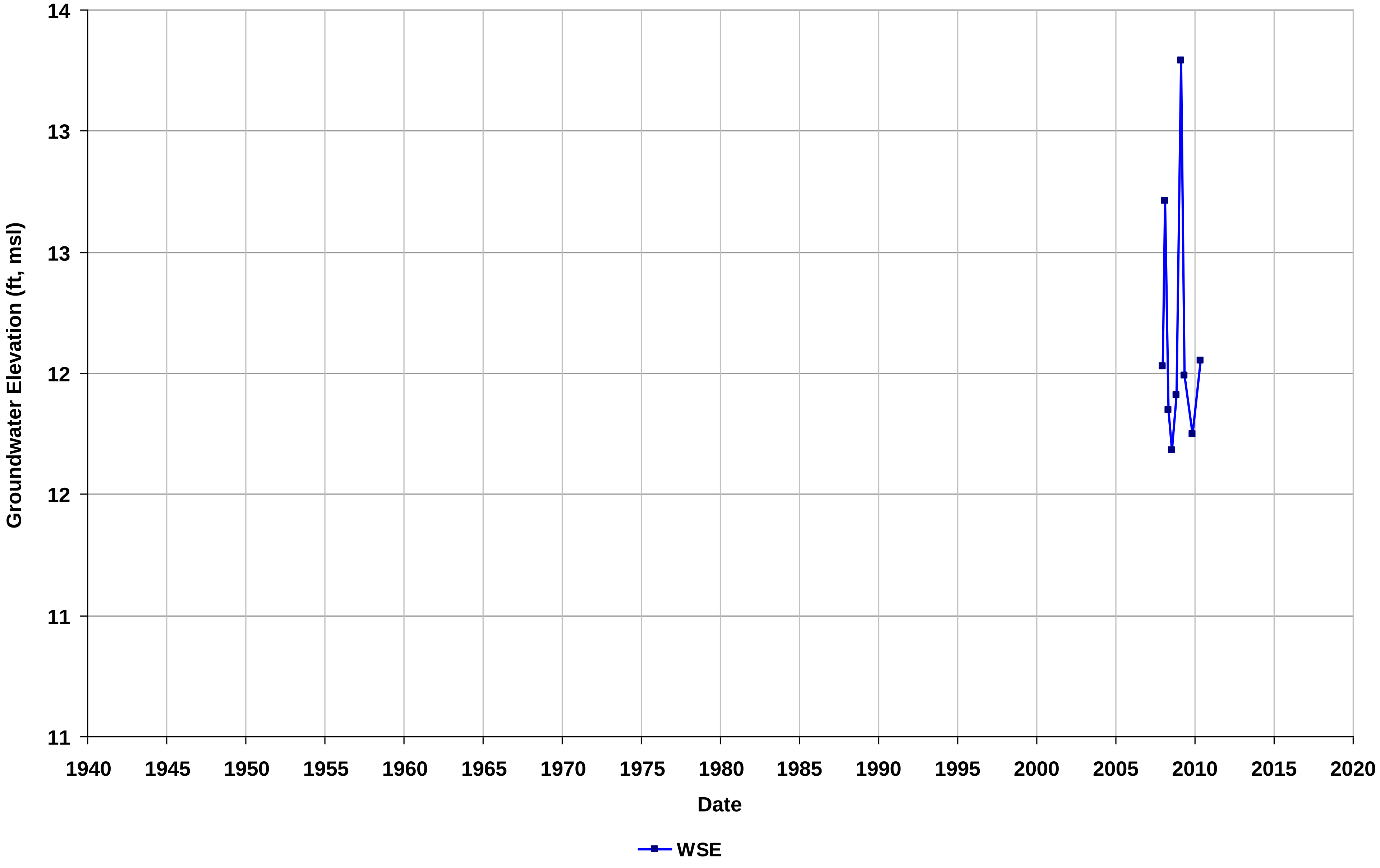
Well Name: SL0600198131-MW-6
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 13-16
T/R/S: 03S/02W/19
Well Use: Observation



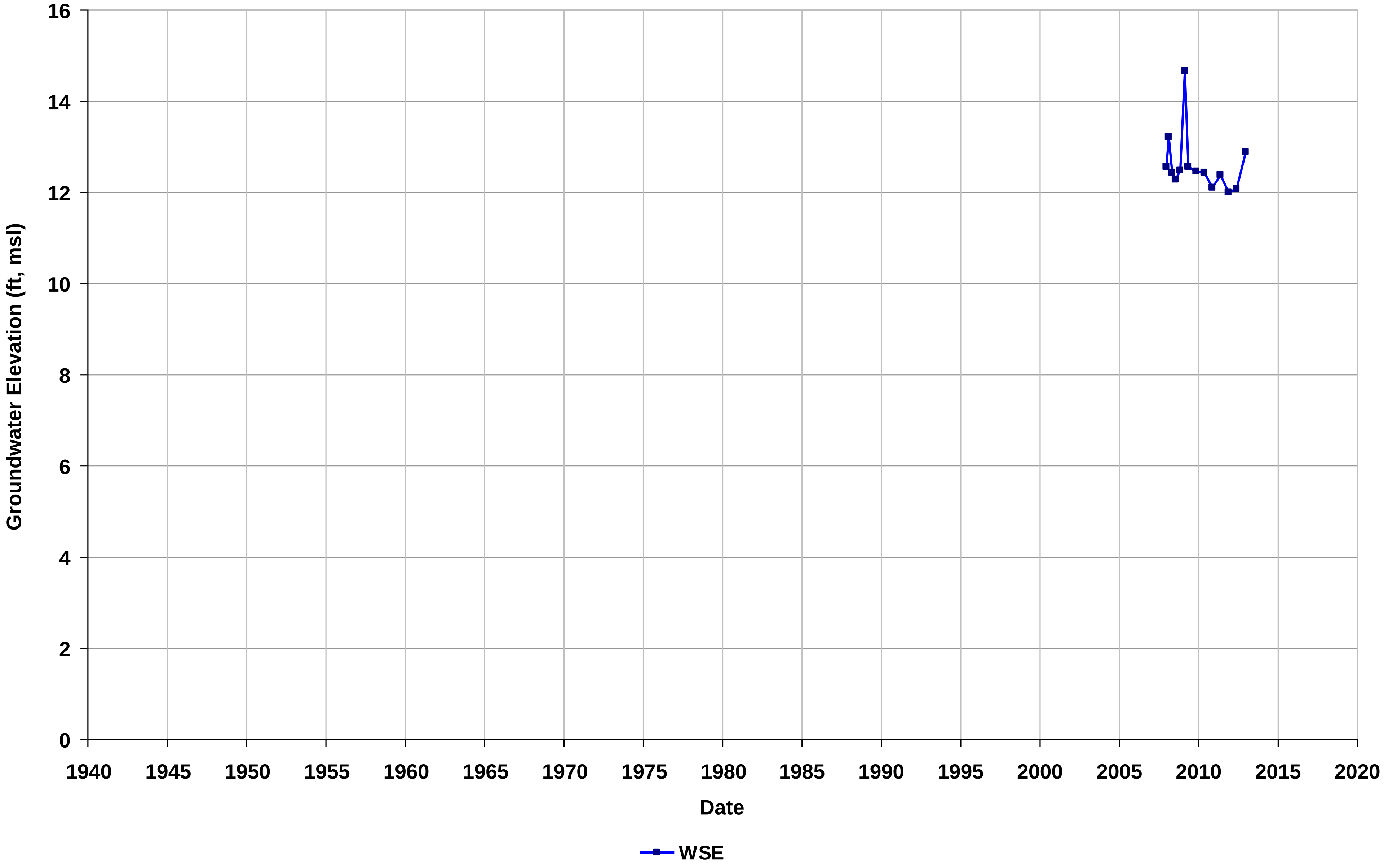
Well Name: SL0600198131-MW-7
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 11-18
T/R/S: 03S/02W/19
Well Use: Observation



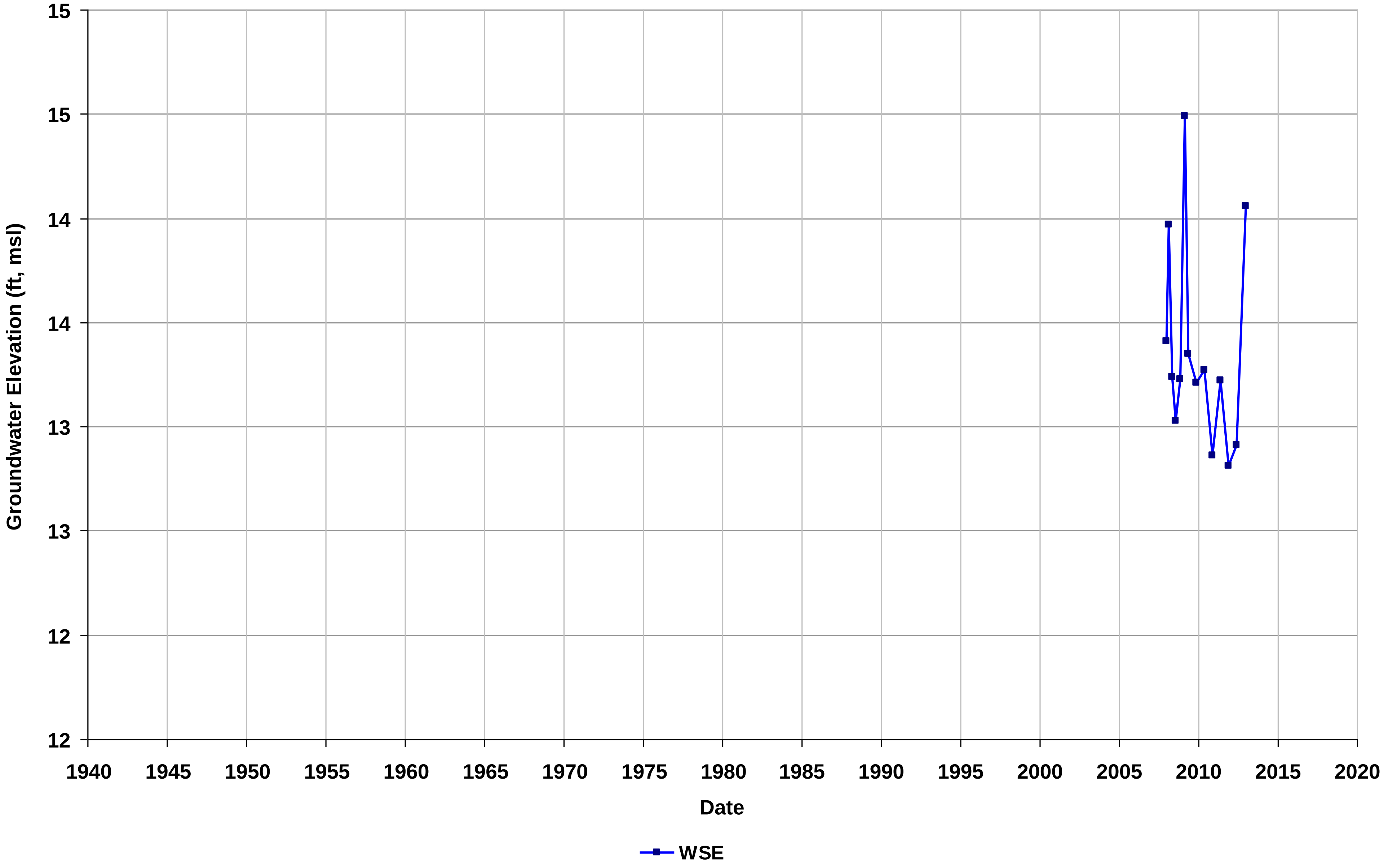
Well Name: SL0600198131-MW-8
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 13-18
T/R/S: 03S/02W/19
Well Use: Observation



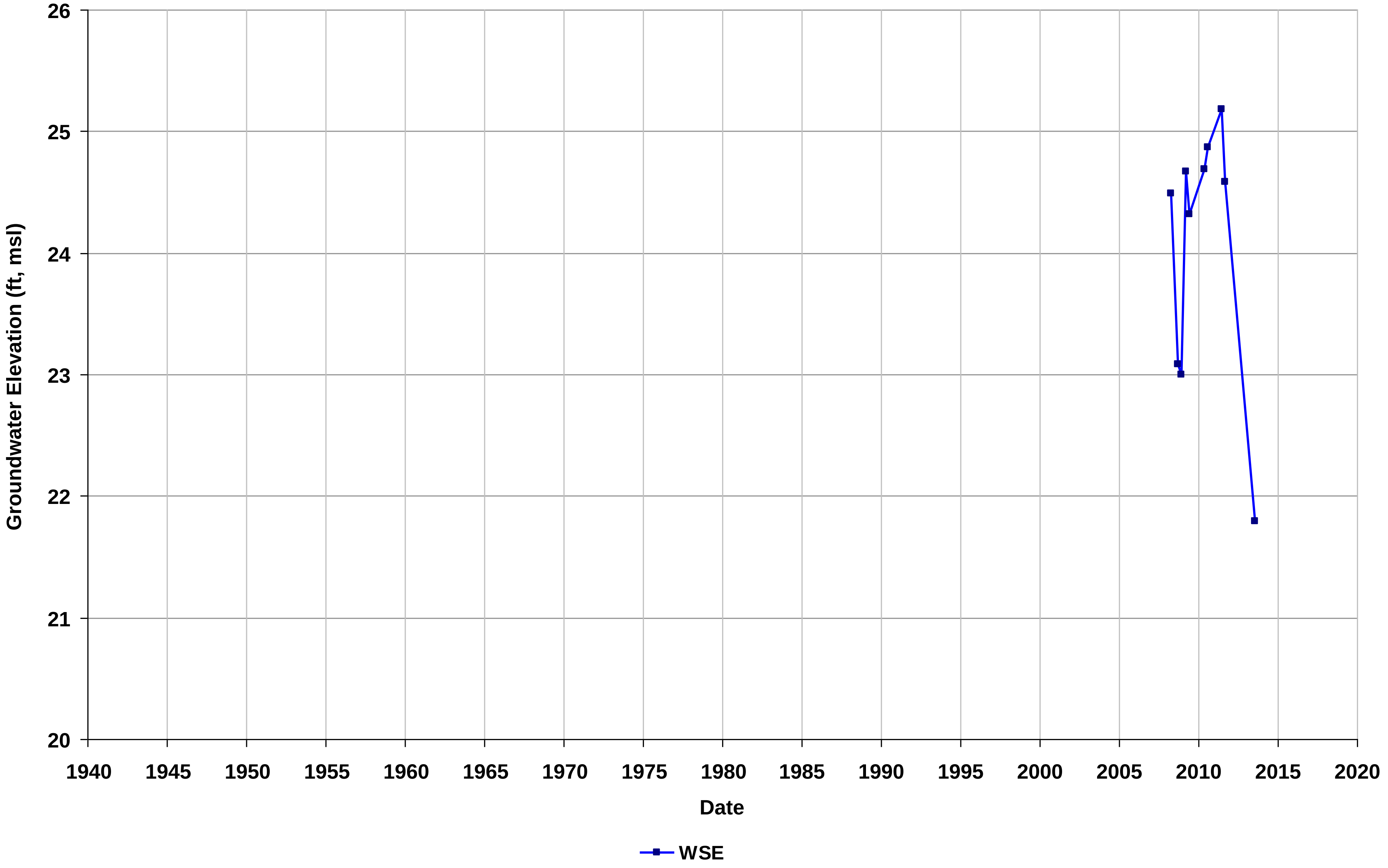
Well Name: SL0600198131-MW-9
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 15-20
T/R/S: 03S/02W/30
Well Use: Observation



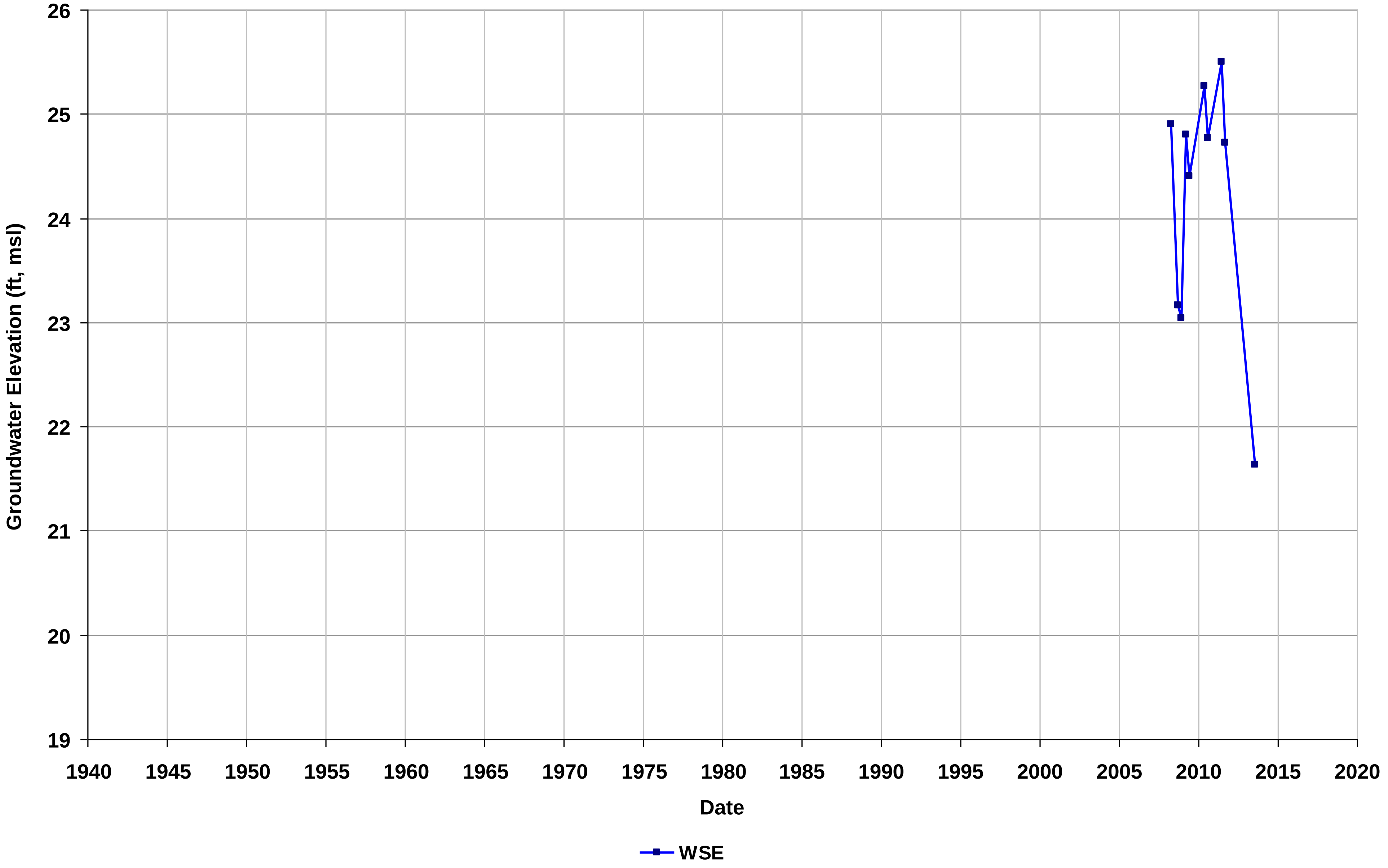
Well Name: SL0600199502-MW-1
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 0
Perf. Interval (ft bgs): 10-30
T/R/S: n/a
Well Use: Observation



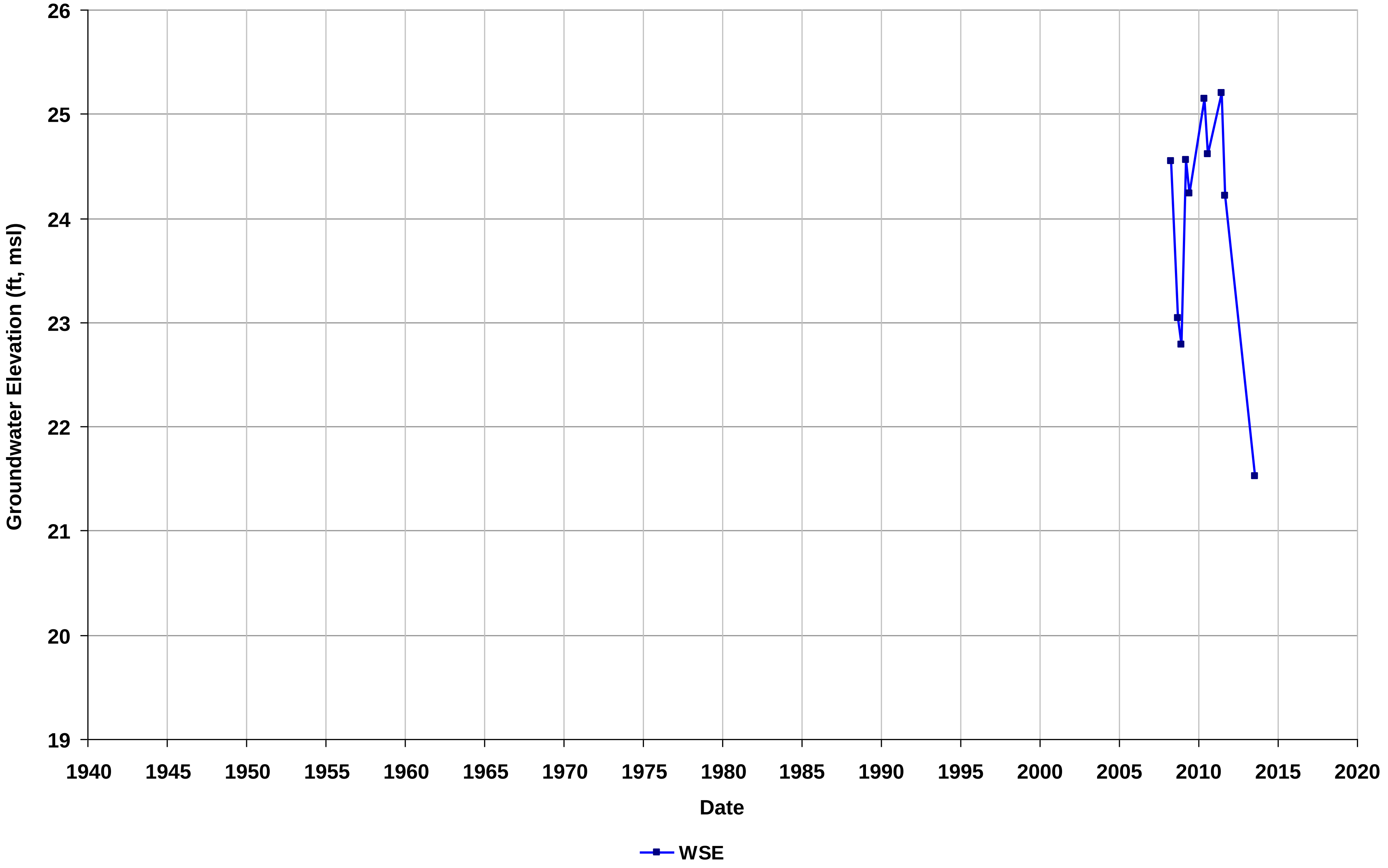
Well Name: SL0600199502-MW-2
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 0
Perf. Interval (ft bgs): 10-30
T/R/S: n/a
Well Use: Observation



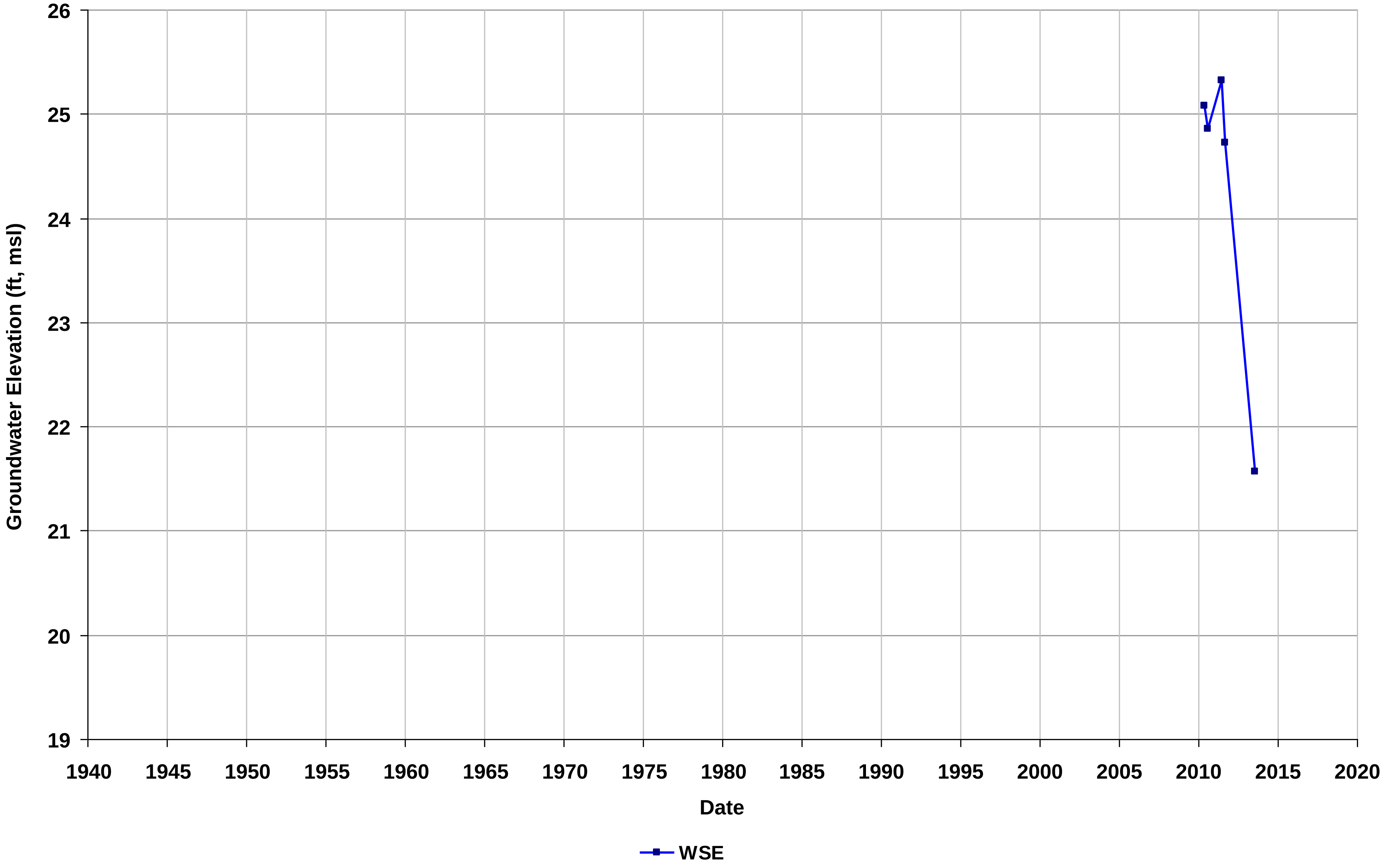
Well Name: SL0600199502-MW-3
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 0
Perf. Interval (ft bgs): 9-29
T/R/S: n/a
Well Use: Observation



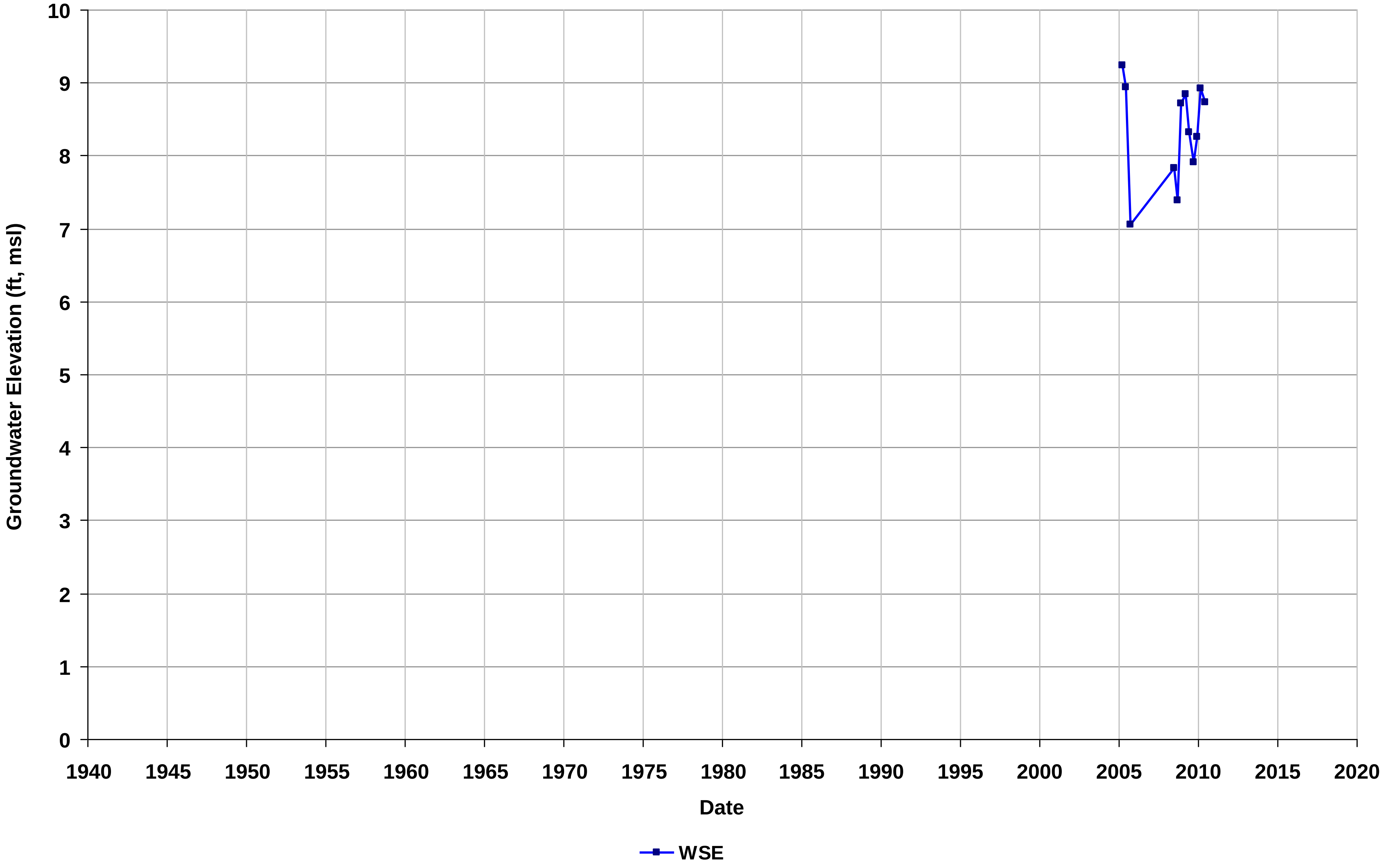
Well Name: SL0600199502-MW-4
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 0
Perf. Interval (ft bgs): 9-25
T/R/S: n/a
Well Use: Observation



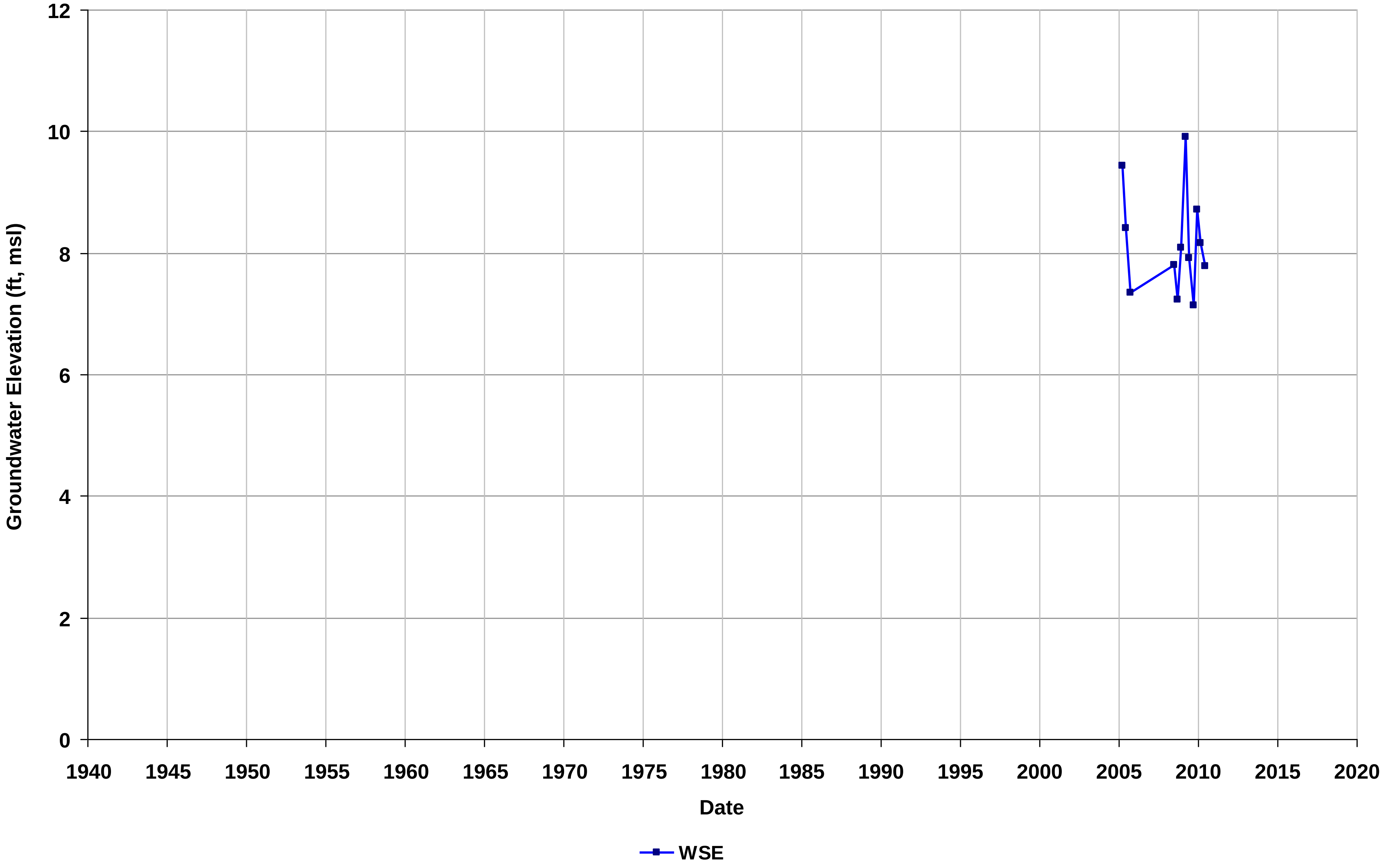
Well Name: SL0601318600-12
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-10
T/R/S: 01N/05W/14
Well Use: Observation



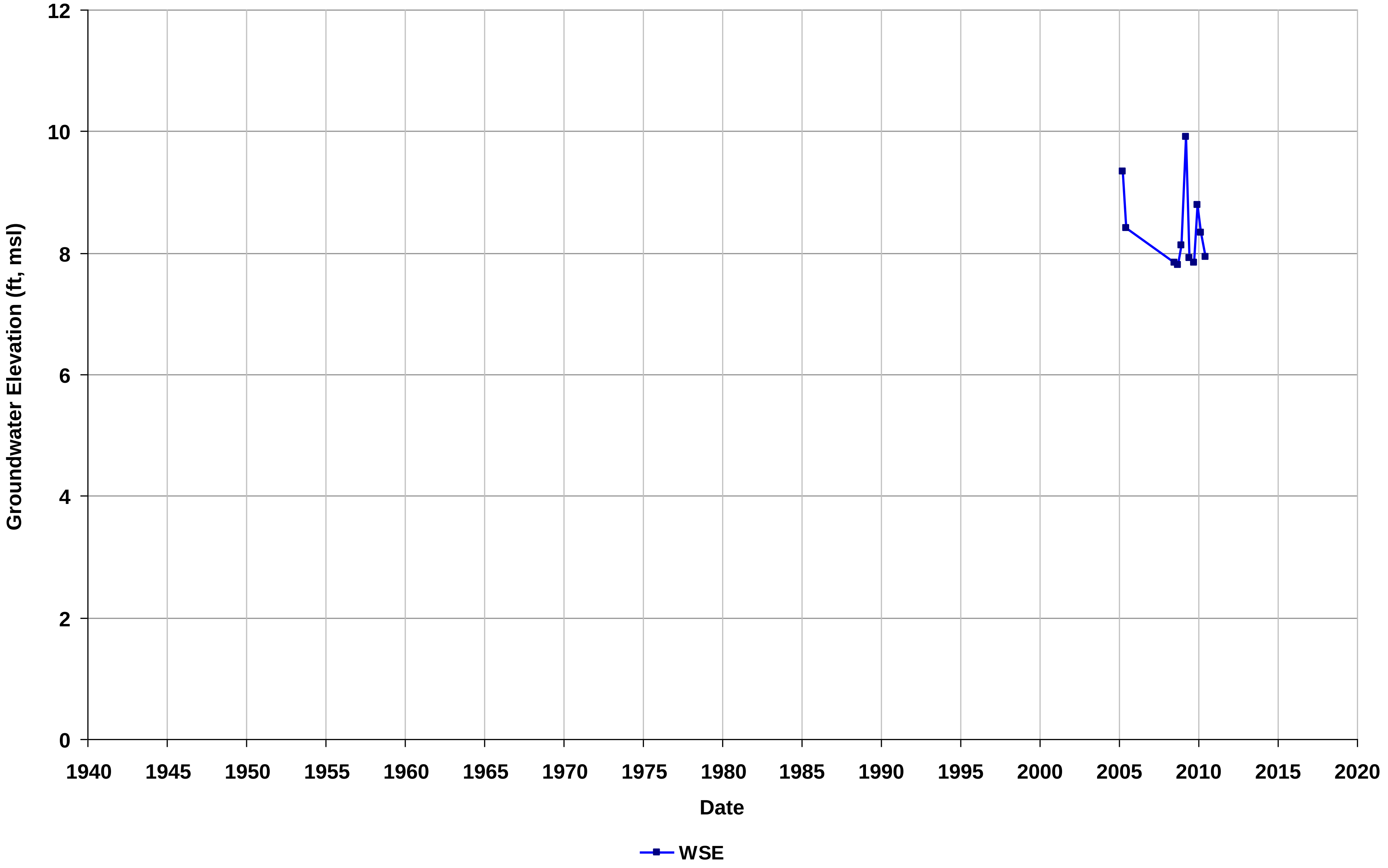
Well Name: SL0601318600-14
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-10
T/R/S: 01N/05W/14
Well Use: Observation



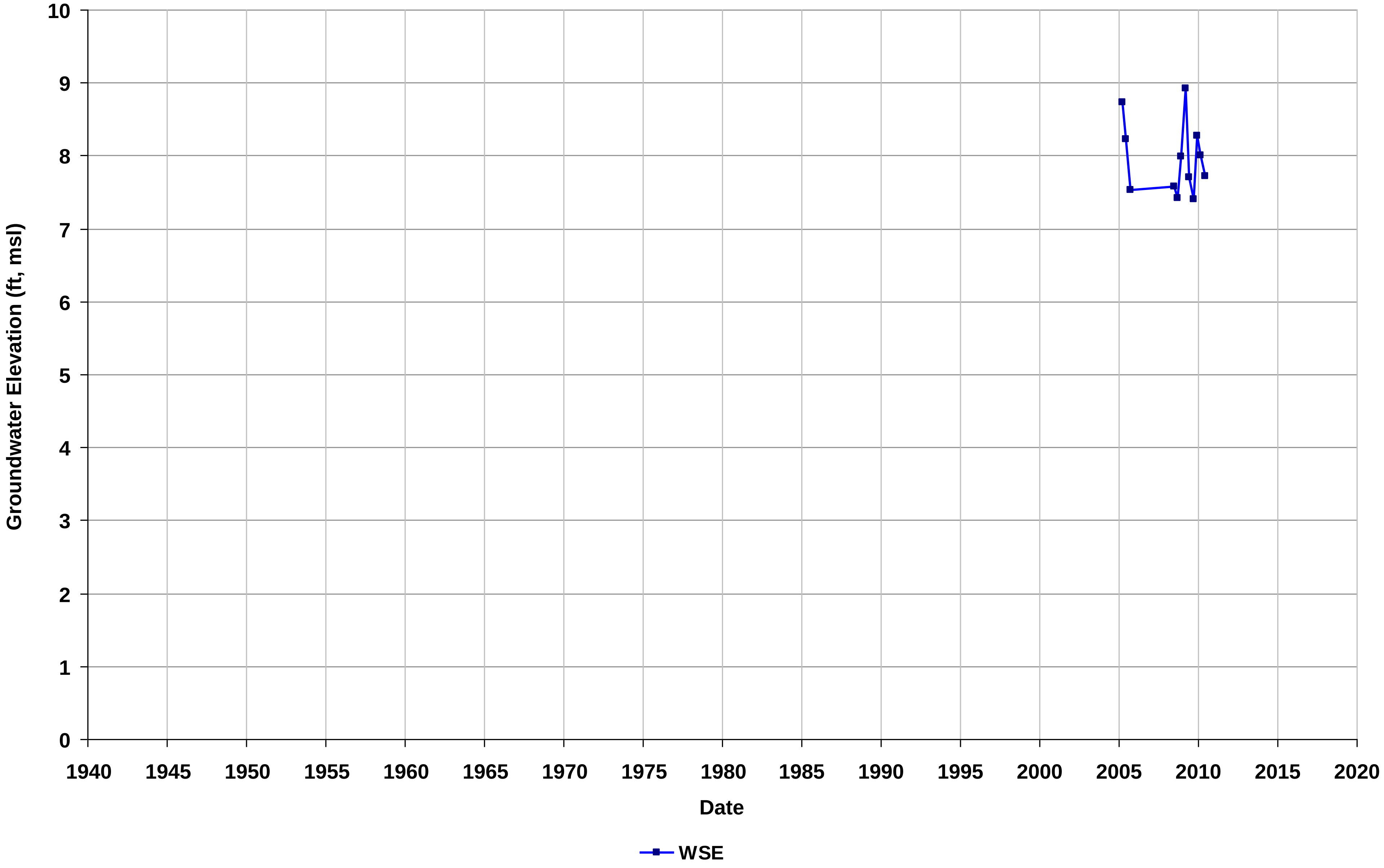
Well Name: SL0601318600-15
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-10
T/R/S: 01N/05W/14
Well Use: Observation



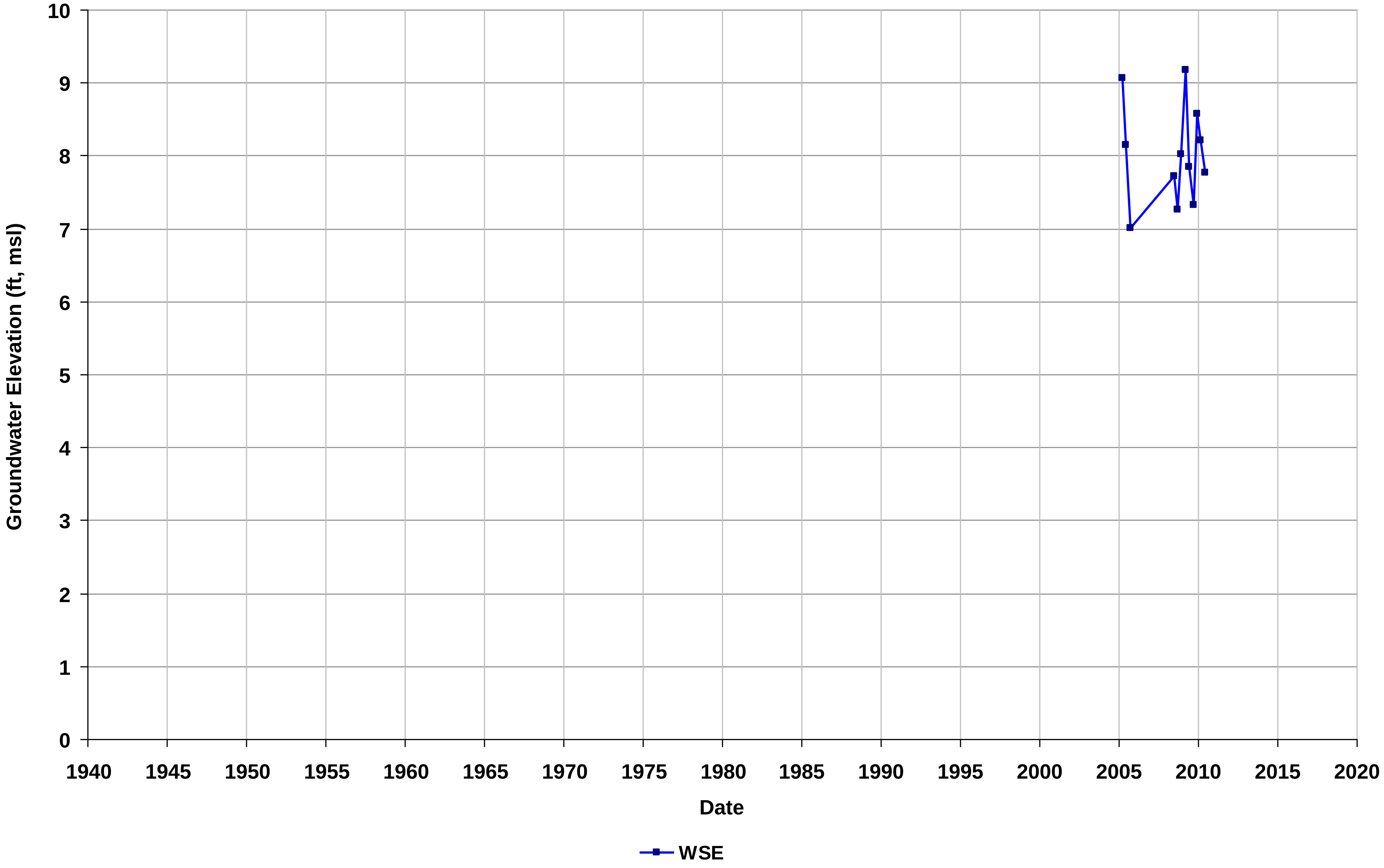
Well Name: SL0601318600-16
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-10
T/R/S: 01N/05W/14
Well Use: Observation



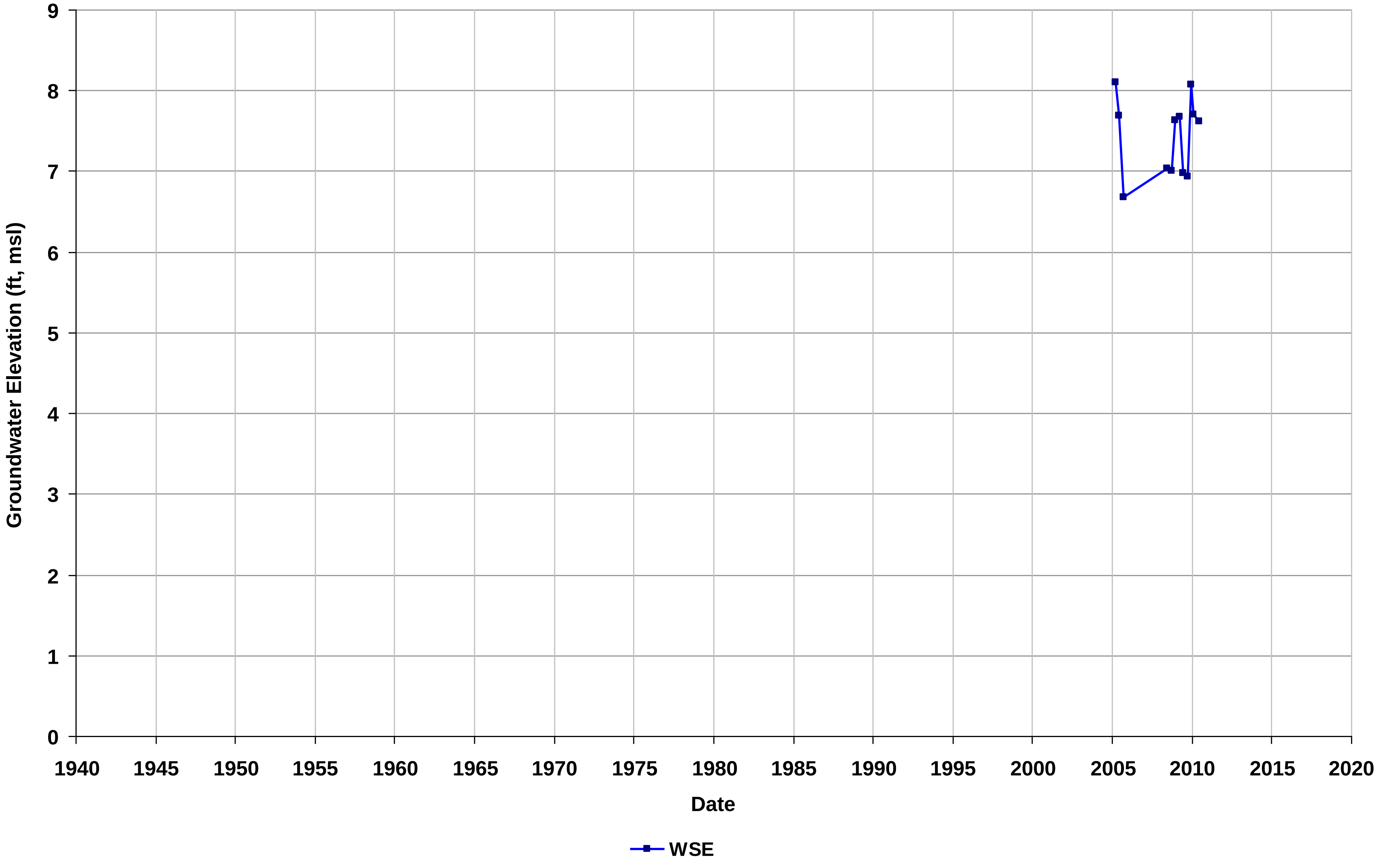
Well Name: SL0601318600-17
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-10
T/R/S: 01N/05W/14
Well Use: Observation



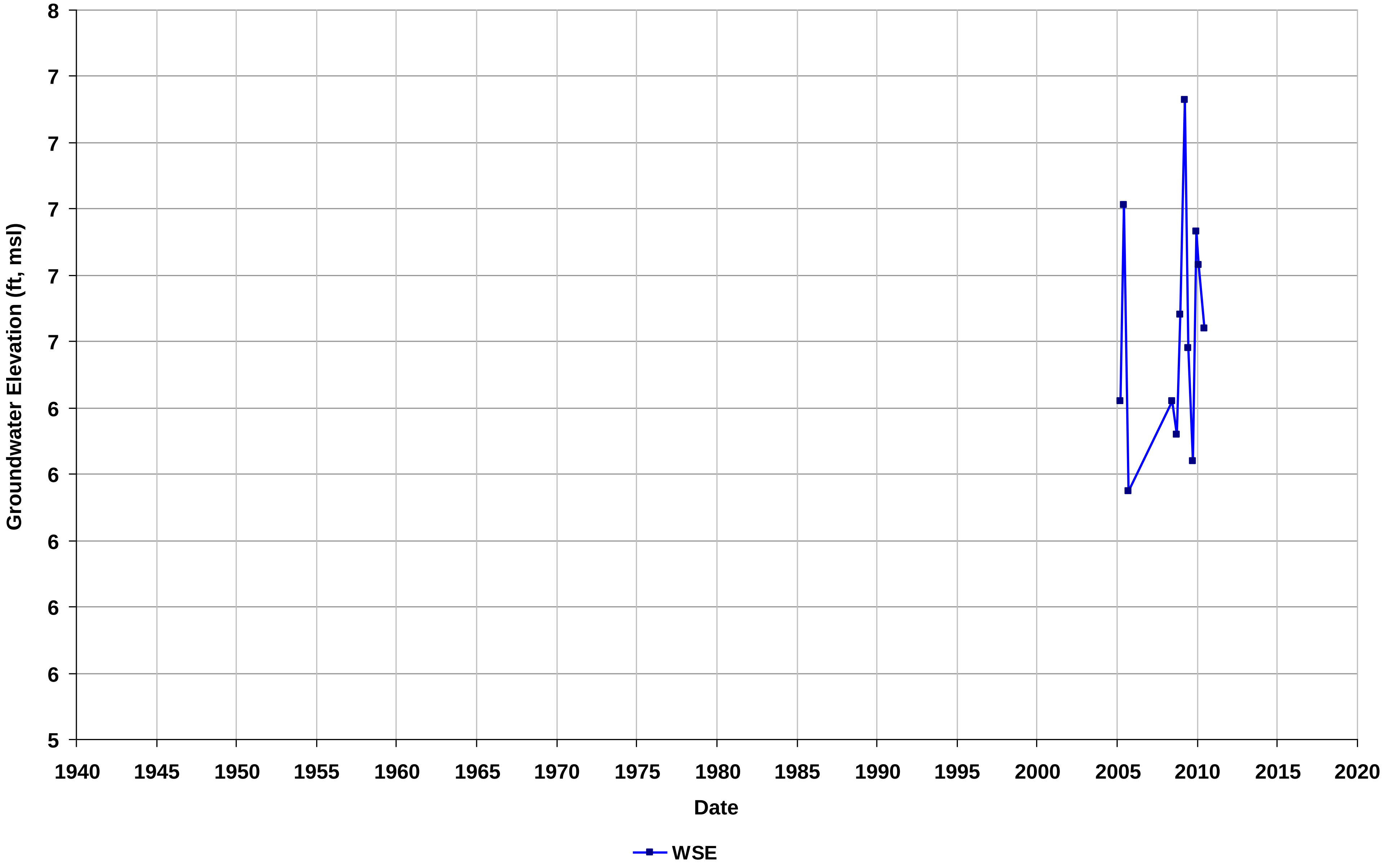
Well Name: SL0601318600-18
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-10
T/R/S: 01N/05W/14
Well Use: Observation



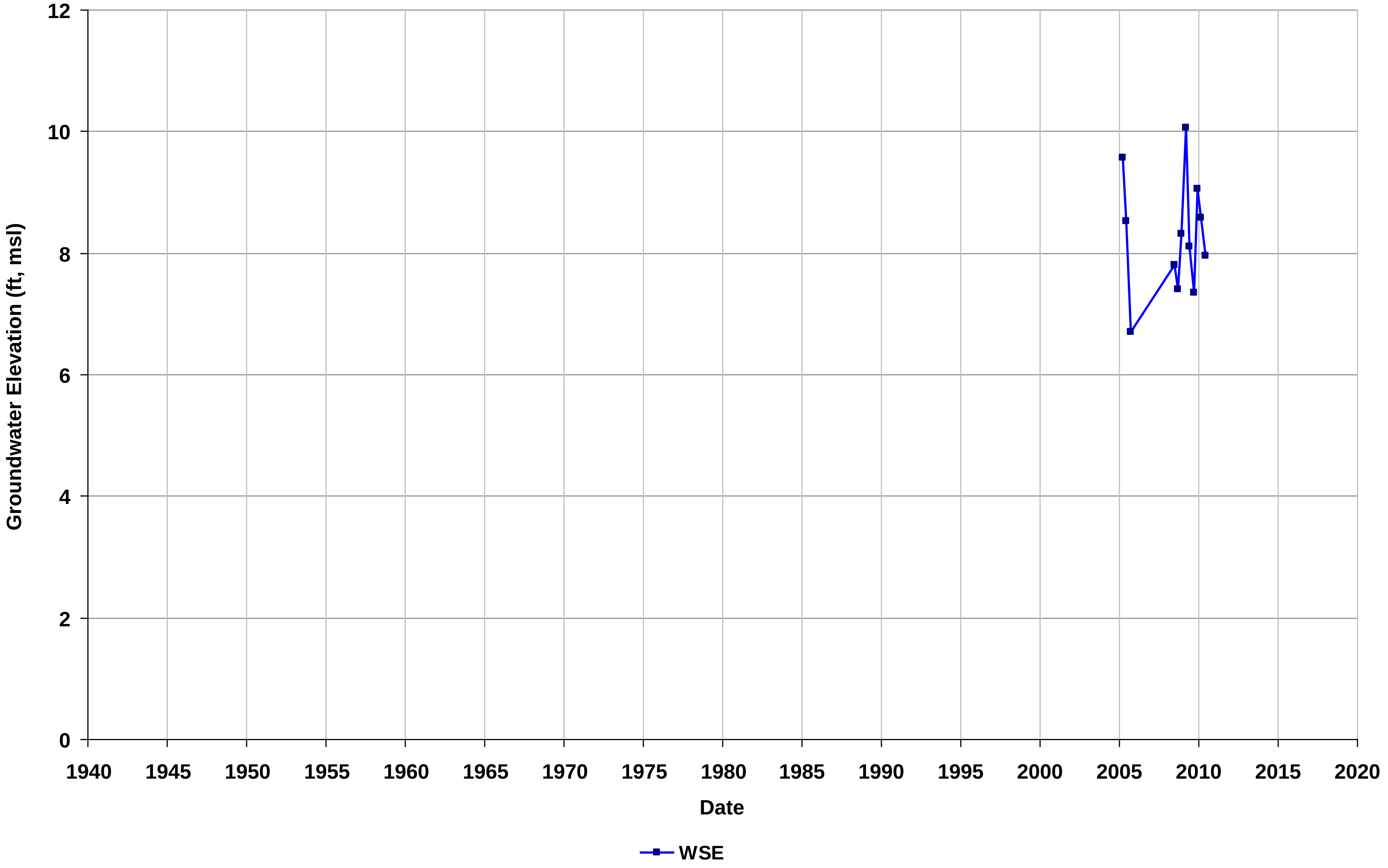
Well Name: SL0601318600-19
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-10
T/R/S: 01N/05W/14
Well Use: Observation



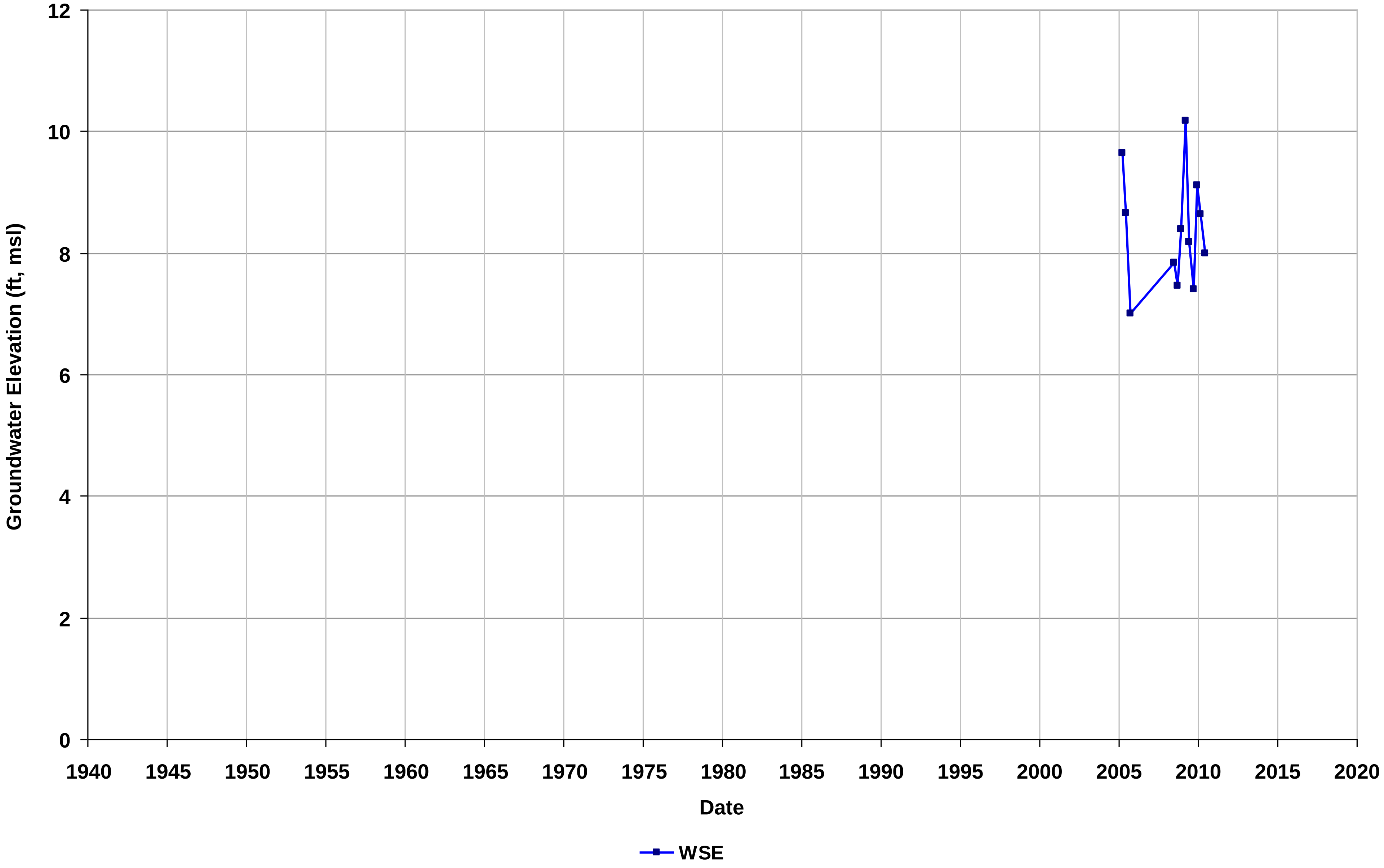
Well Name: SL0601318600-2
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-10
T/R/S: 01N/05W/14
Well Use: Observation



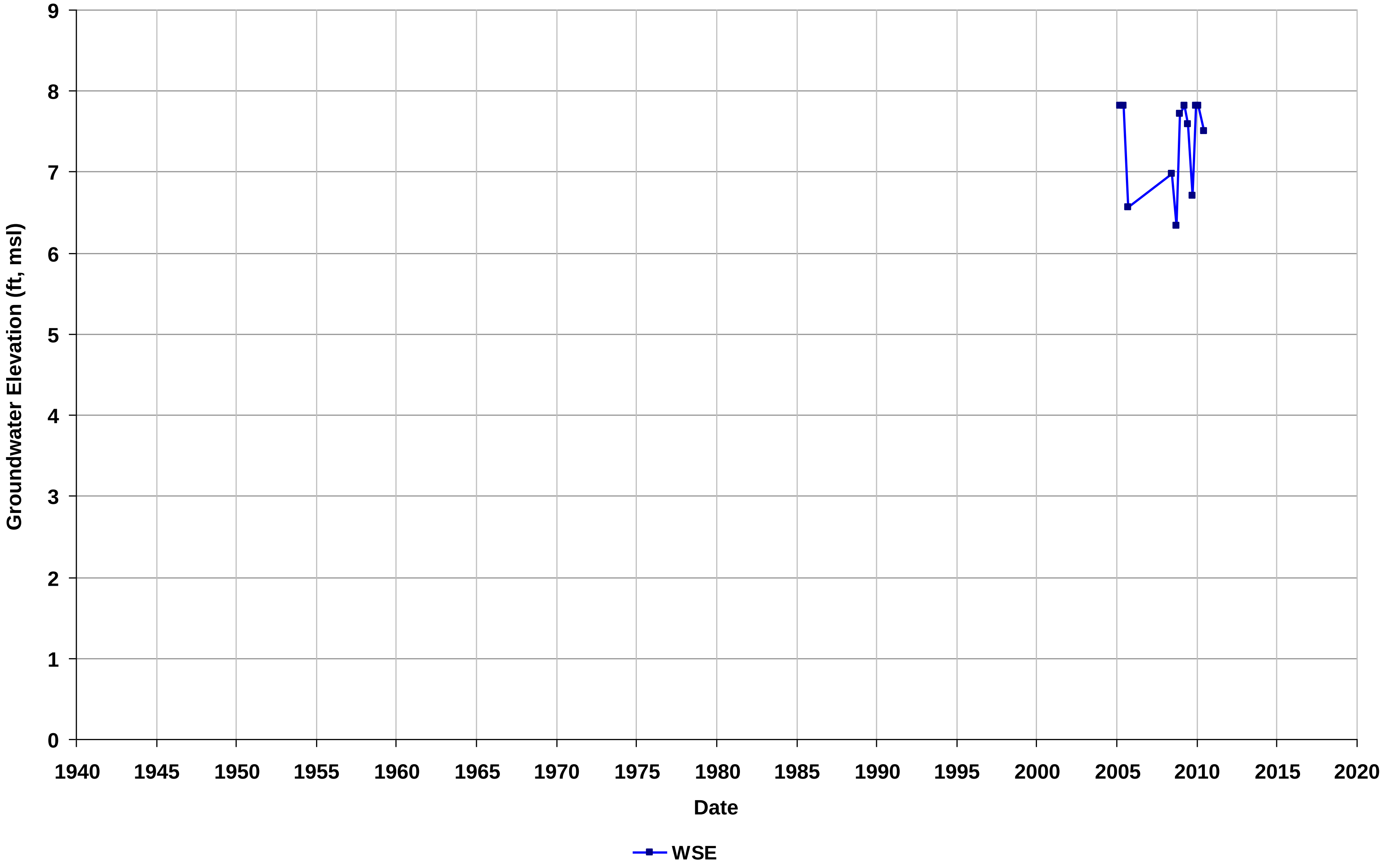
Well Name: SL0601318600-21
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-10
T/R/S: 01N/05W/14
Well Use: Observation



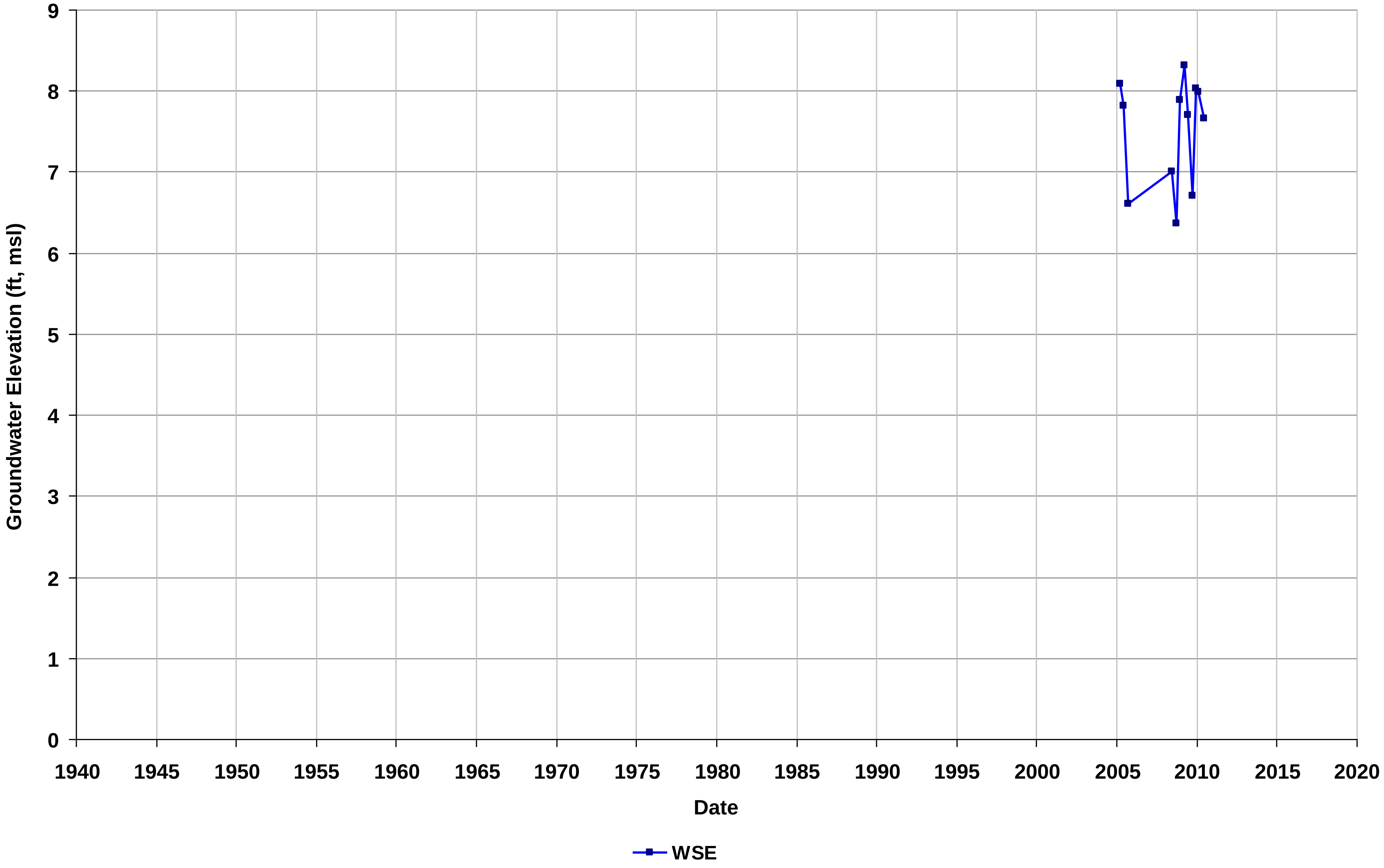
Well Name: SL0601318600-22
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-10
T/R/S: 01N/05W/14
Well Use: Observation



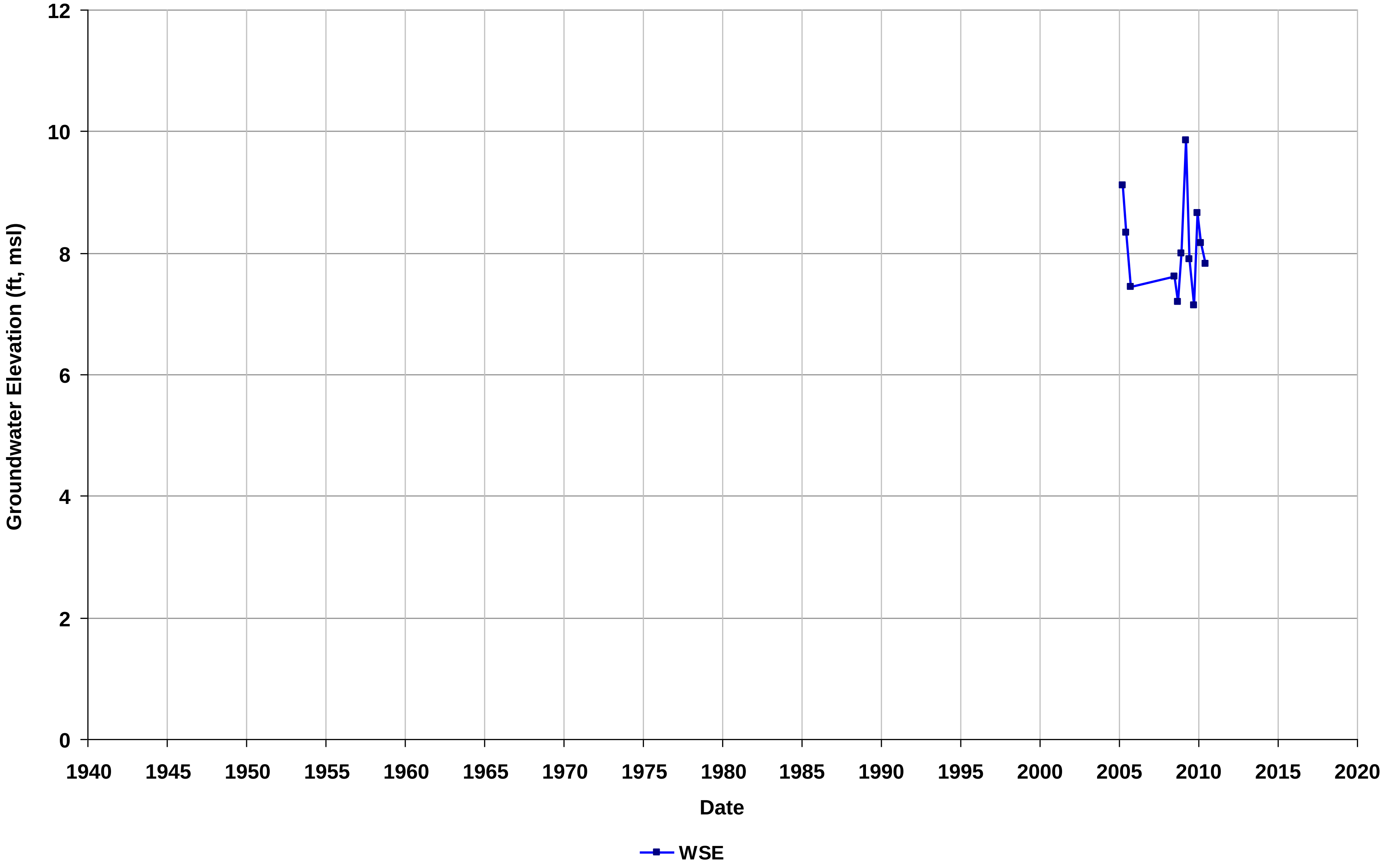
Well Name: SL0601318600-23
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-10
T/R/S: 01N/05W/14
Well Use: Observation



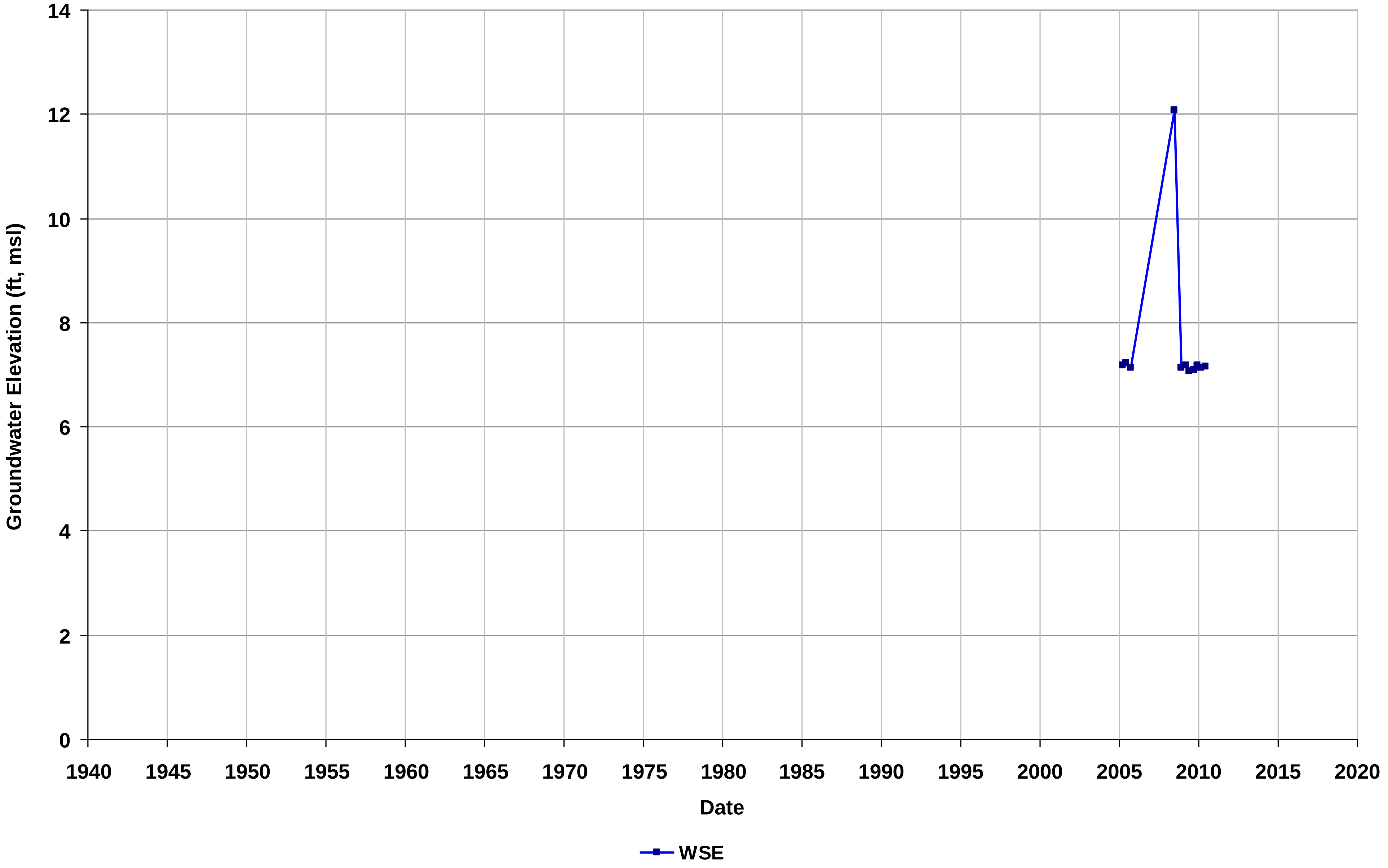
Well Name: SL0601318600-24
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-10
T/R/S: 01N/05W/14
Well Use: Observation



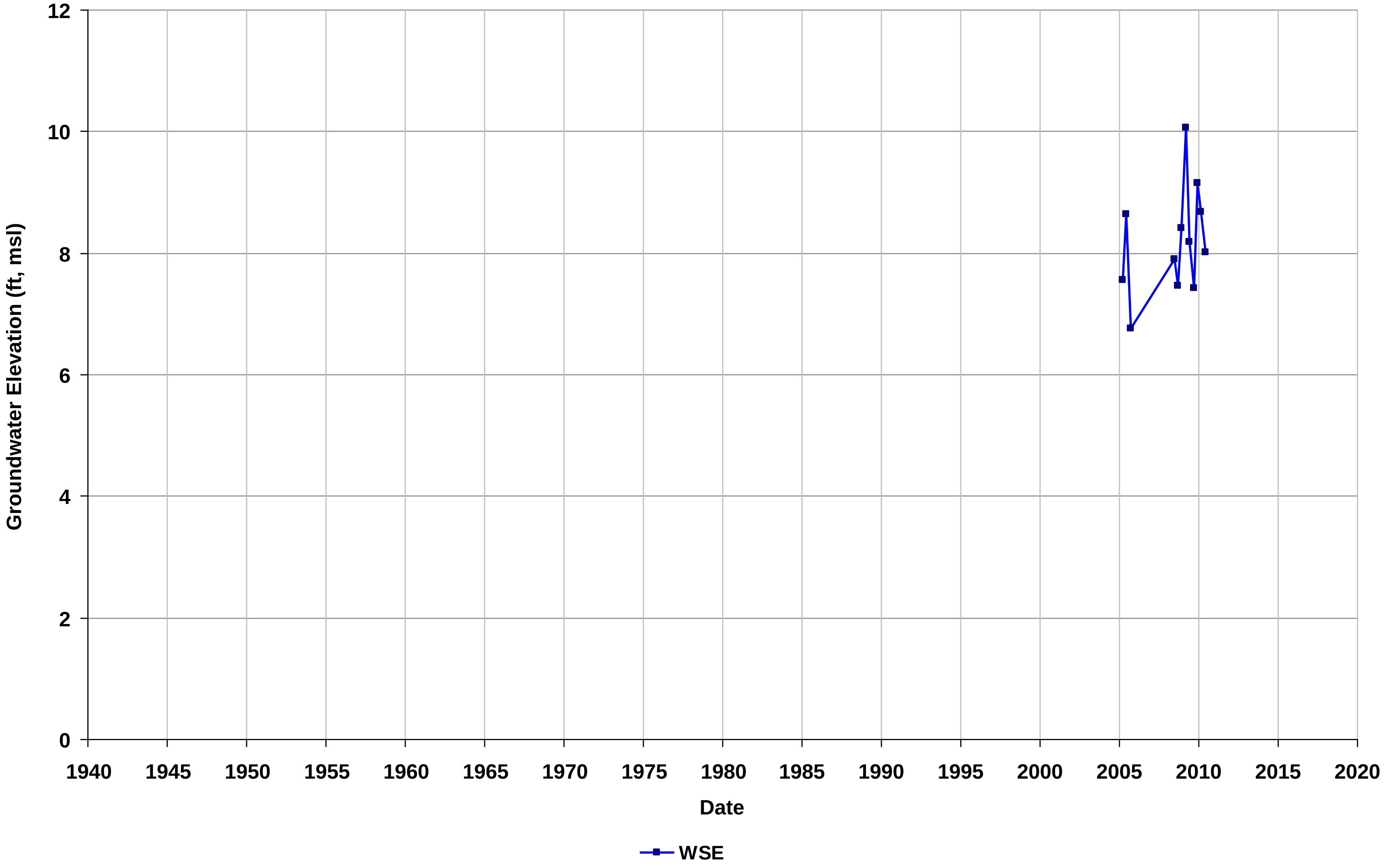
Well Name: SL0601318600-25
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-10
T/R/S: 01N/05W/14
Well Use: Observation



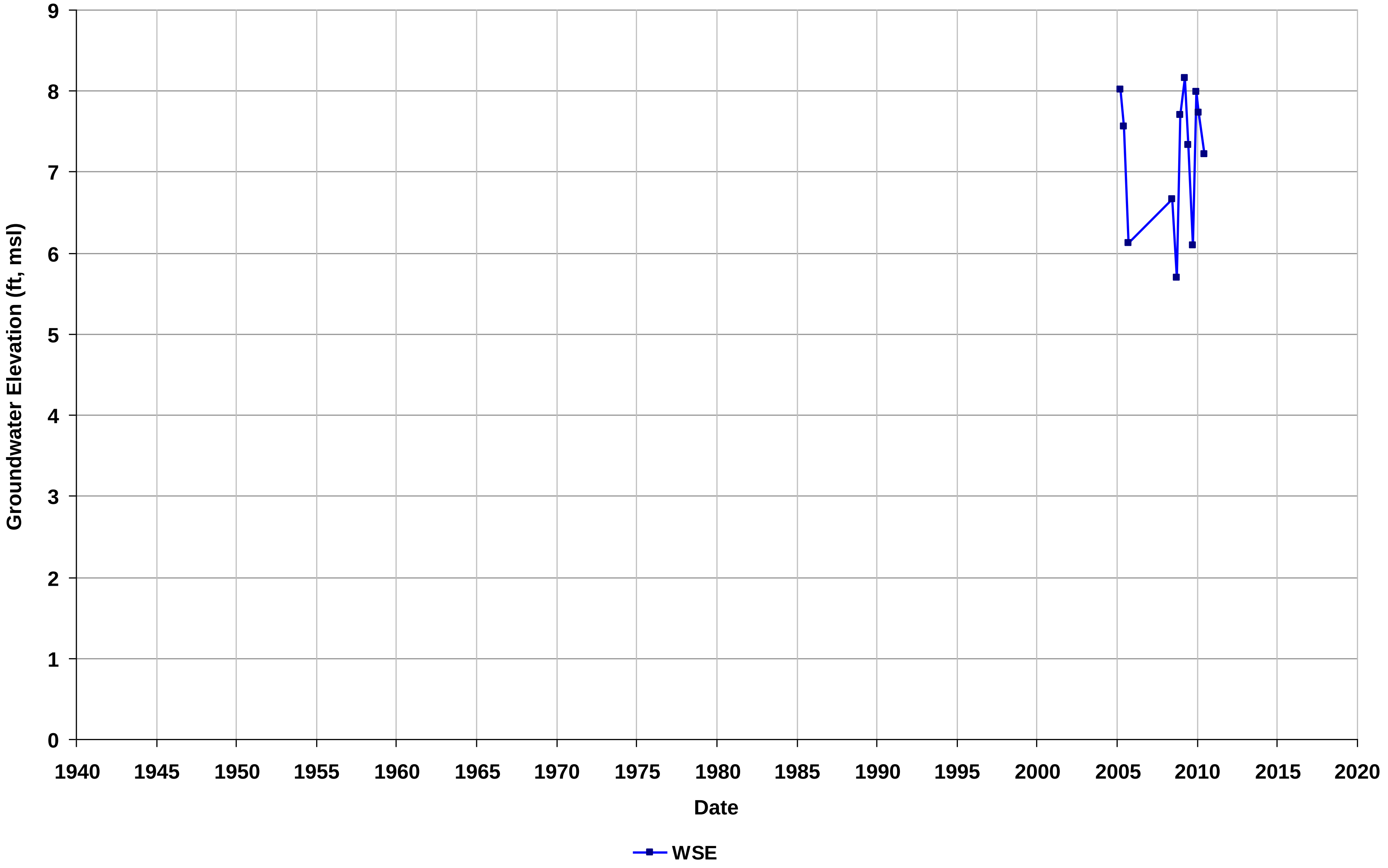
Well Name: SL0601318600-26
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-10
T/R/S: 01N/05W/14
Well Use: Observation



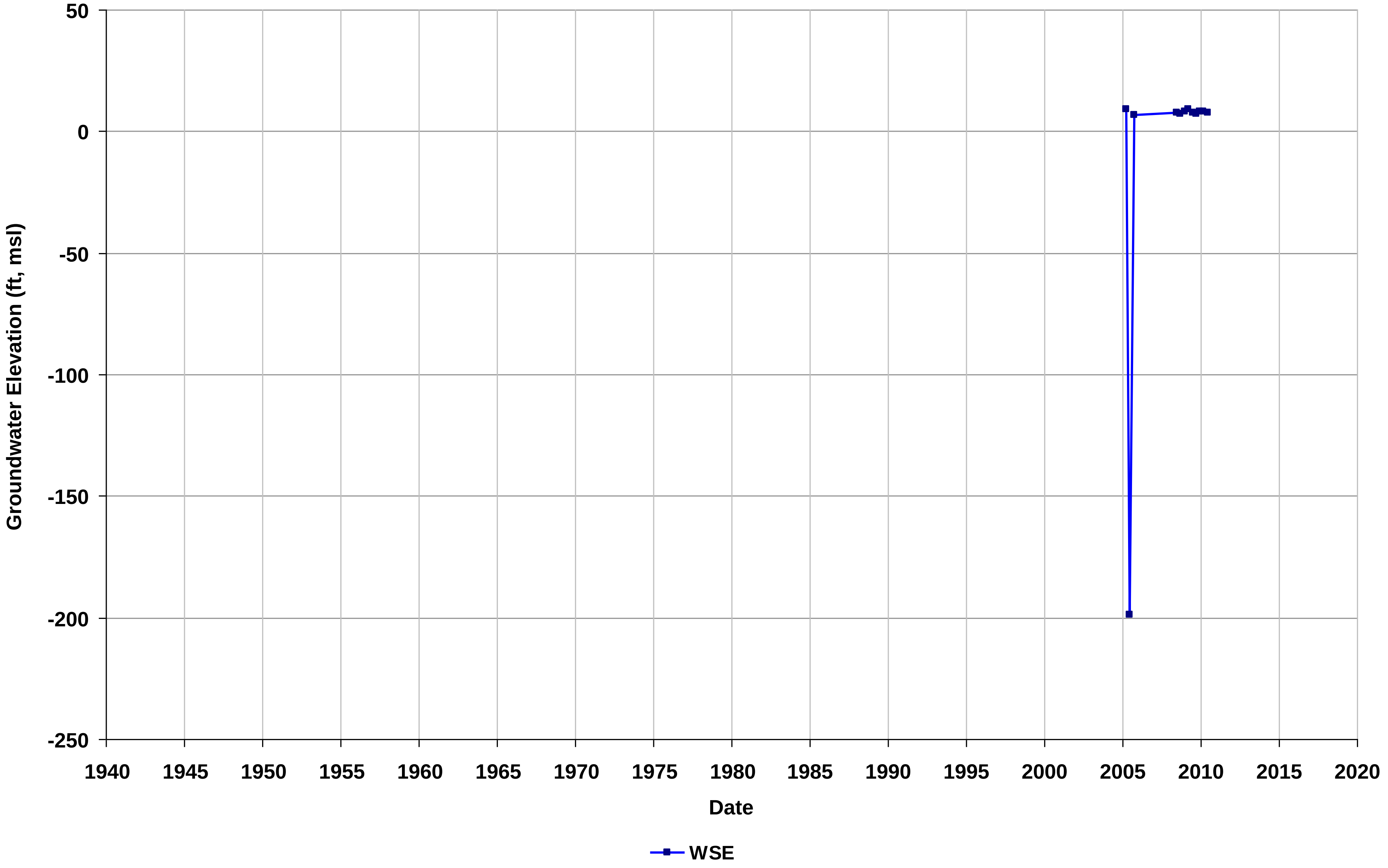
Well Name: SL0601318600-27
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-10
T/R/S: 01N/05W/14
Well Use: Observation



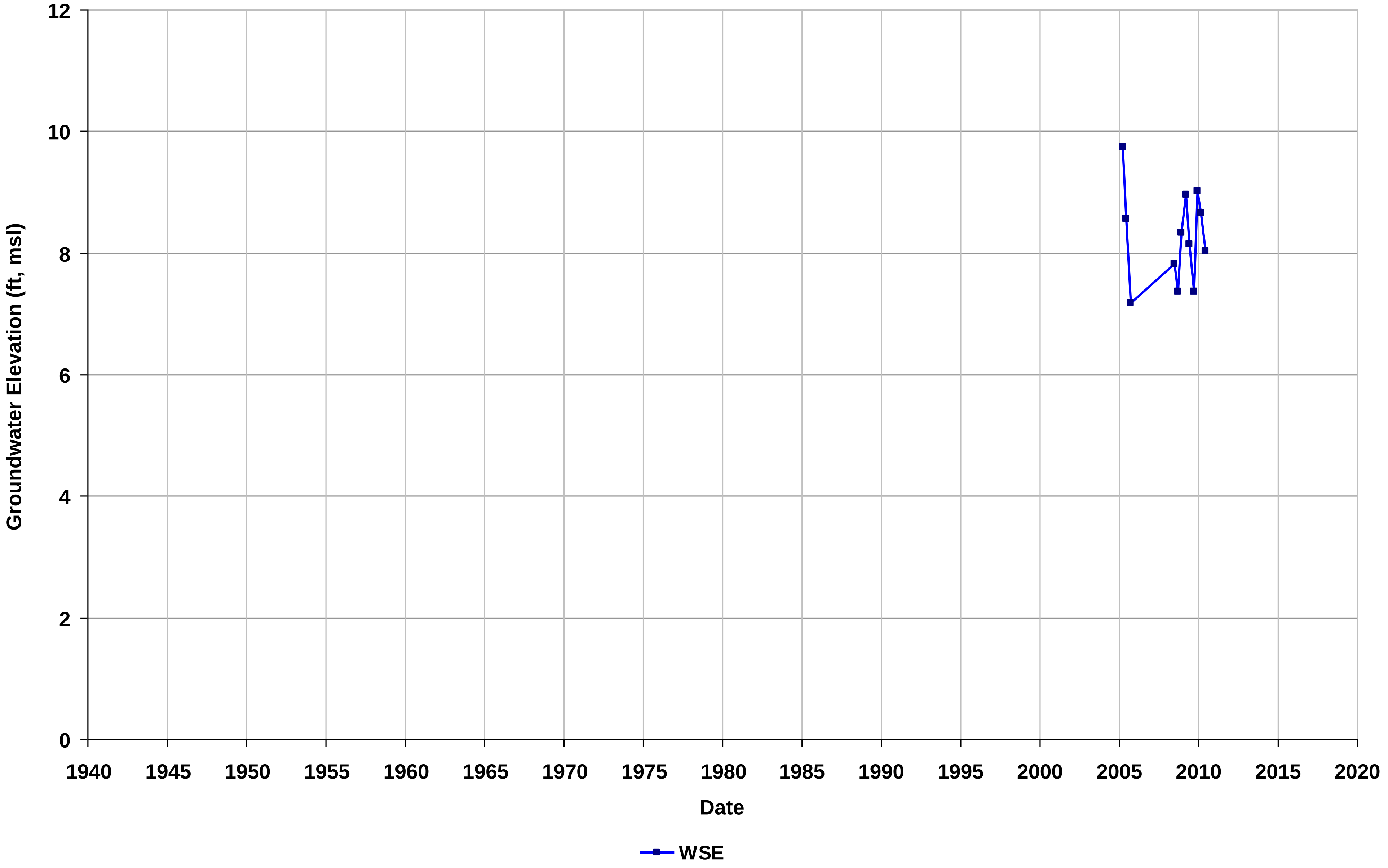
Well Name: SL0601318600-28
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-10
T/R/S: 01N/05W/14
Well Use: Observation



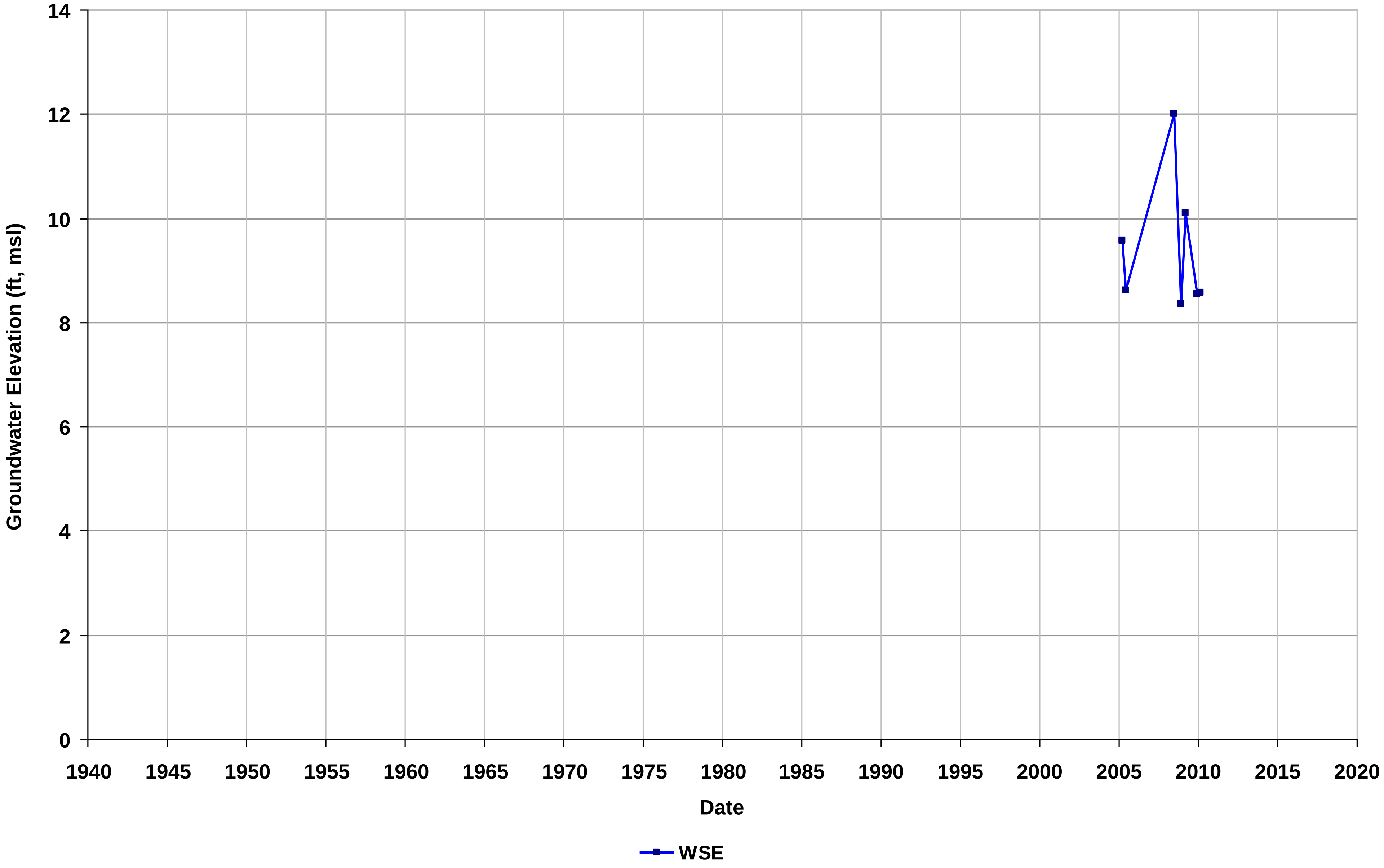
Well Name: SL0601318600-29
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-10
T/R/S: 01N/05W/14
Well Use: Observation



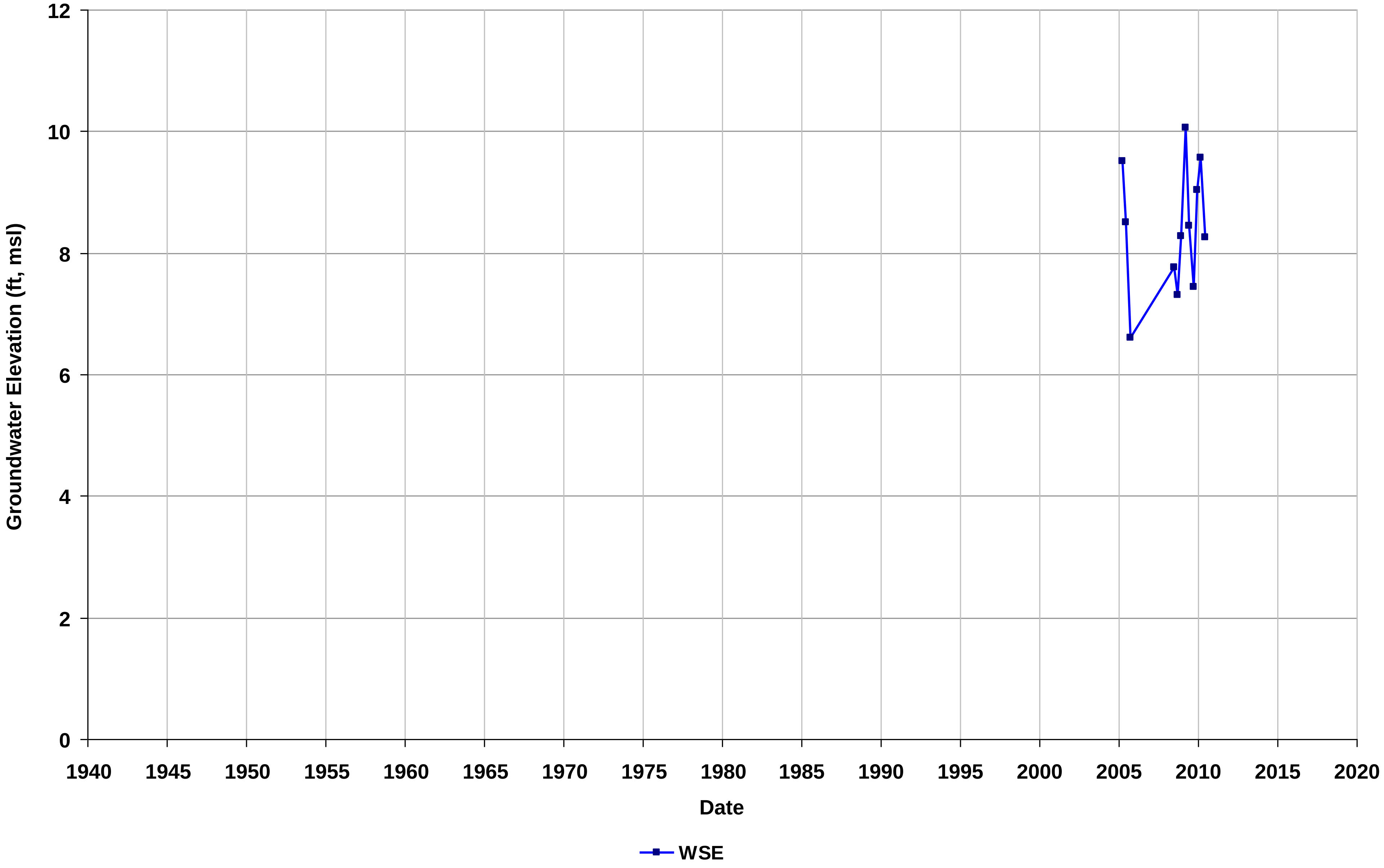
Well Name: SL0601318600-3
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 5
Perf. Interval (ft bgs): 5-10
T/R/S: 01N/05W/14
Well Use: Observation



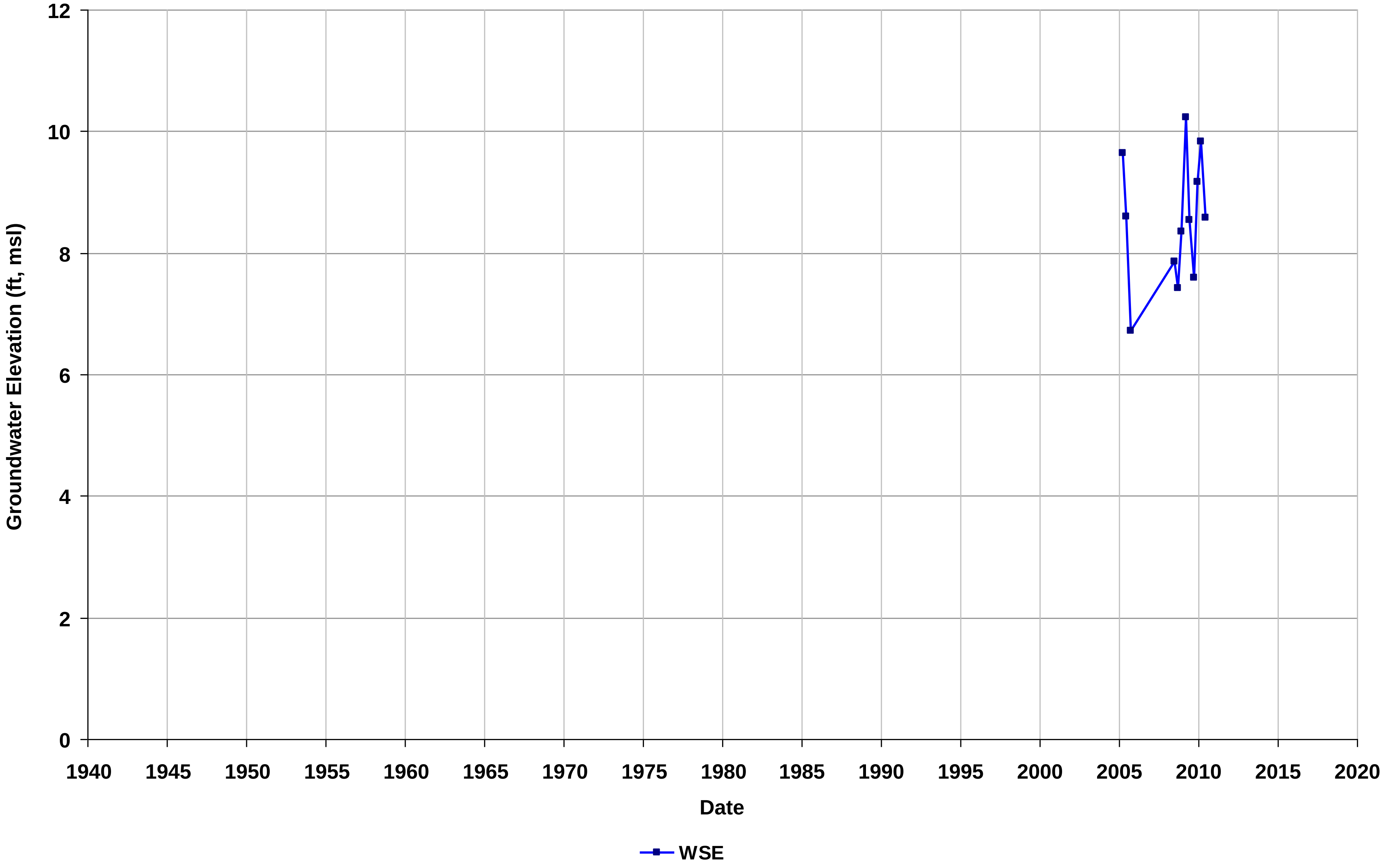
Well Name: SL0601318600-30
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-10
T/R/S: 01N/05W/14
Well Use: Observation



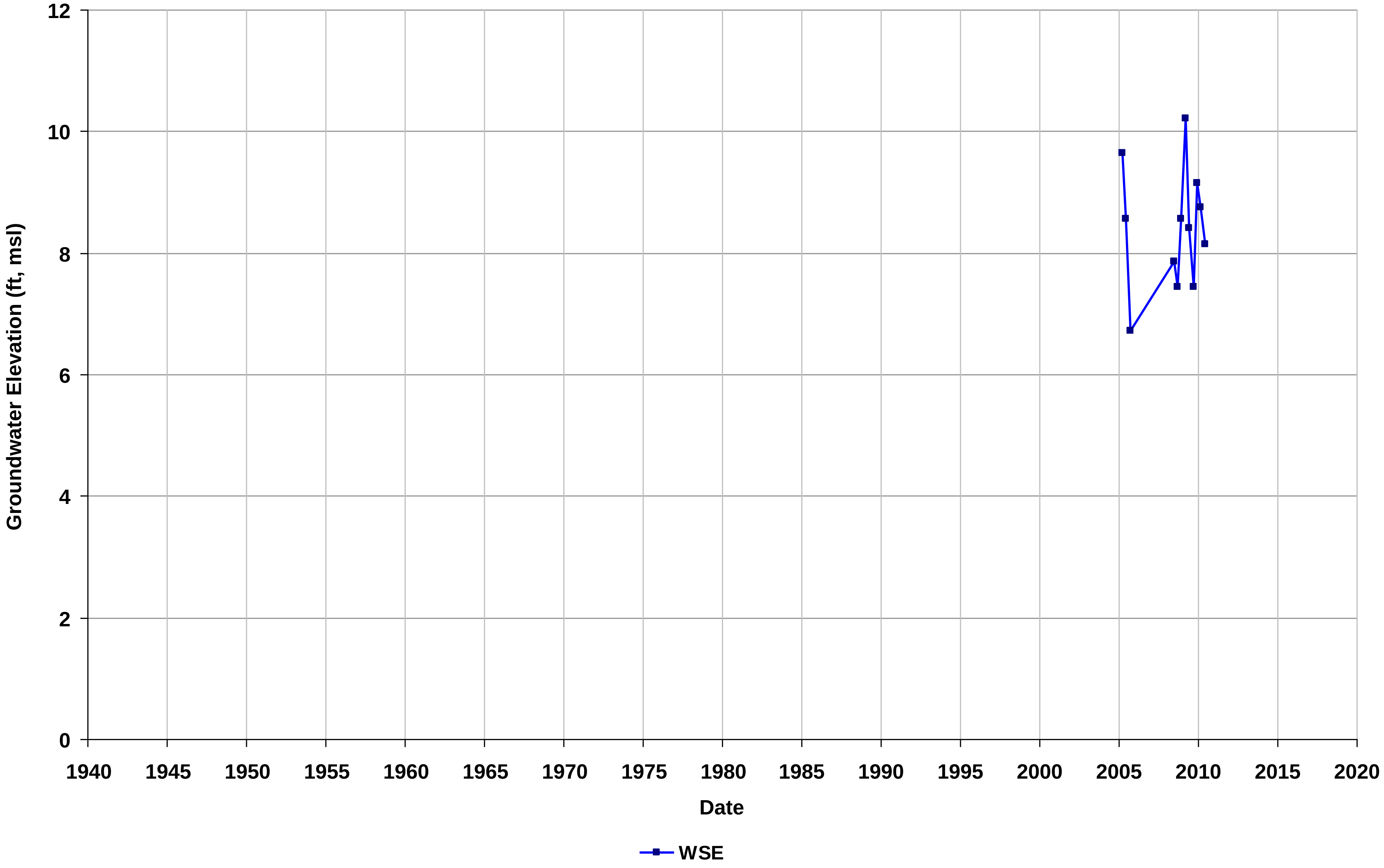
Well Name: SL0601318600-31
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-10
T/R/S: 01N/05W/14
Well Use: Observation



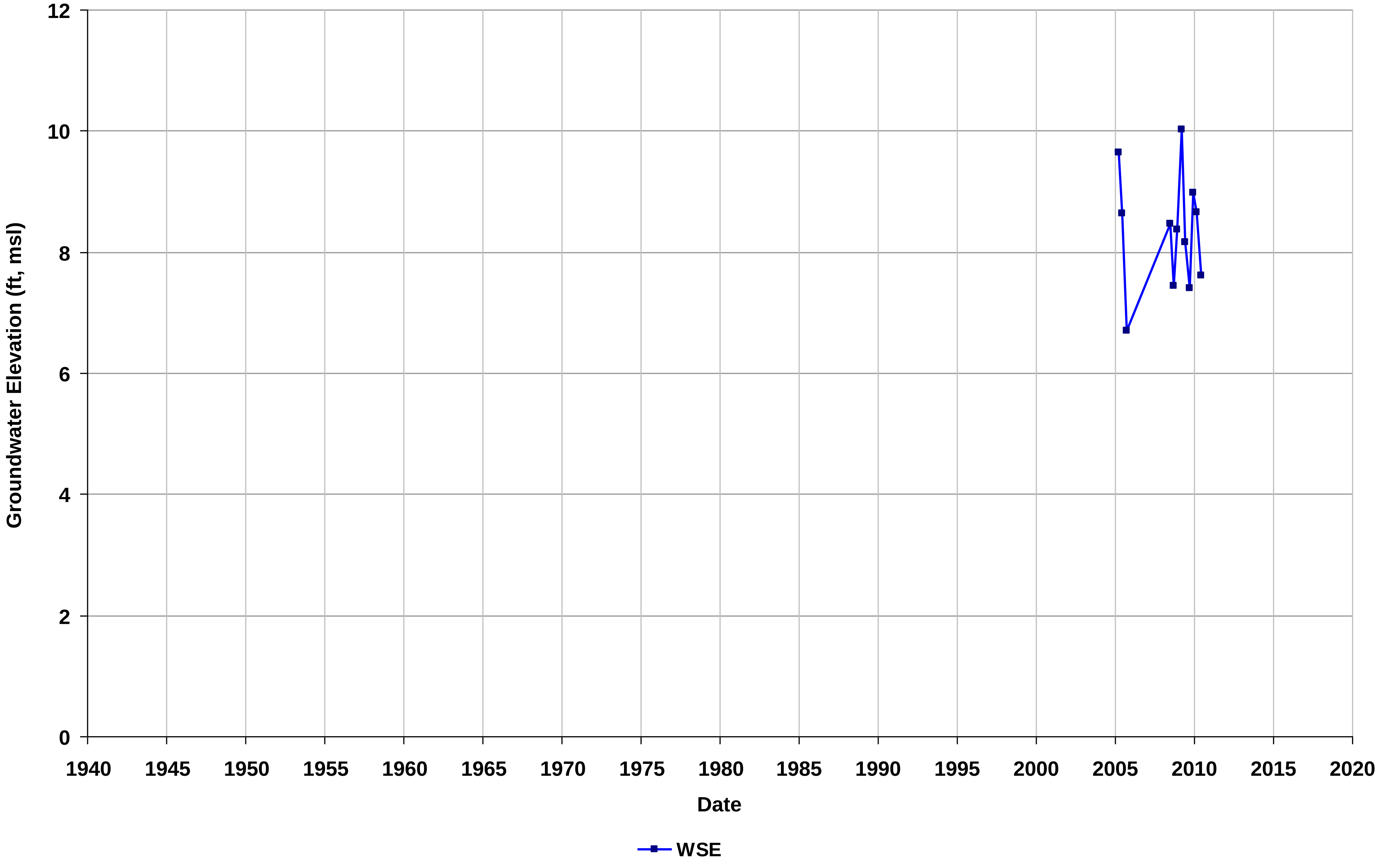
Well Name: SL0601318600-32
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-10
T/R/S: 01N/05W/14
Well Use: Observation



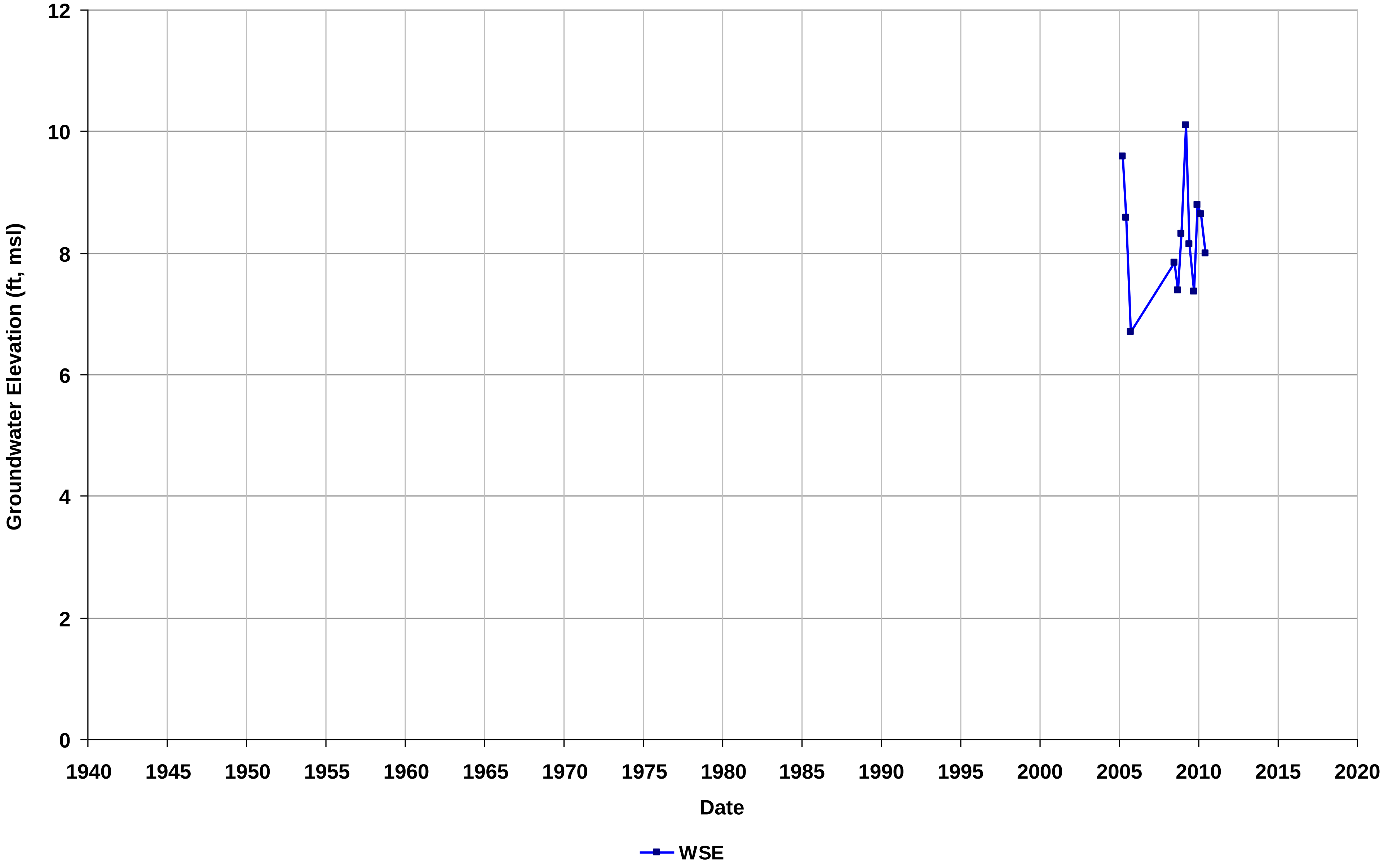
Well Name: SL0601318600-34
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-10
T/R/S: 01N/05W/14
Well Use: Observation



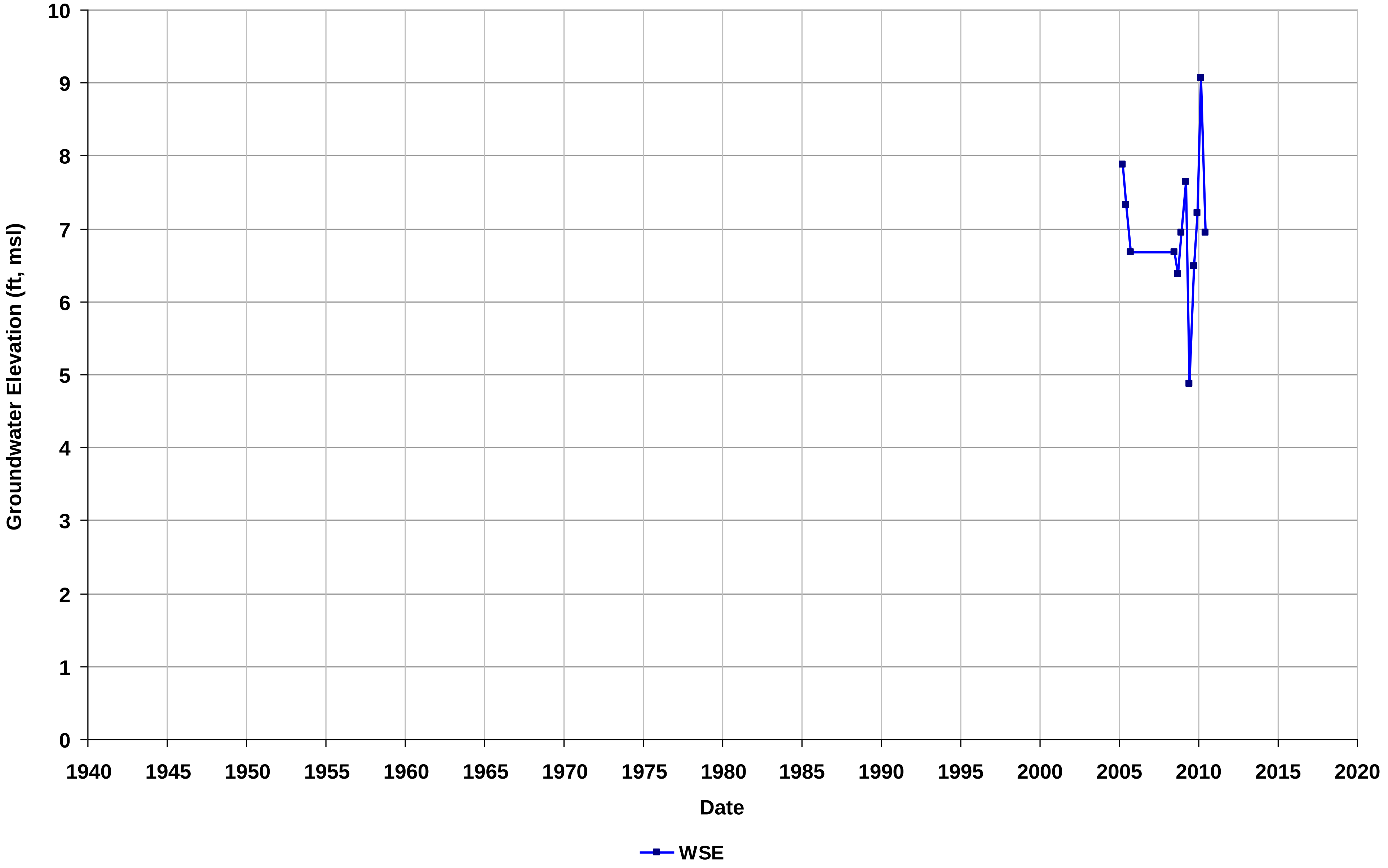
Well Name: SL0601318600-35
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-10
T/R/S: 01N/05W/14
Well Use: Observation



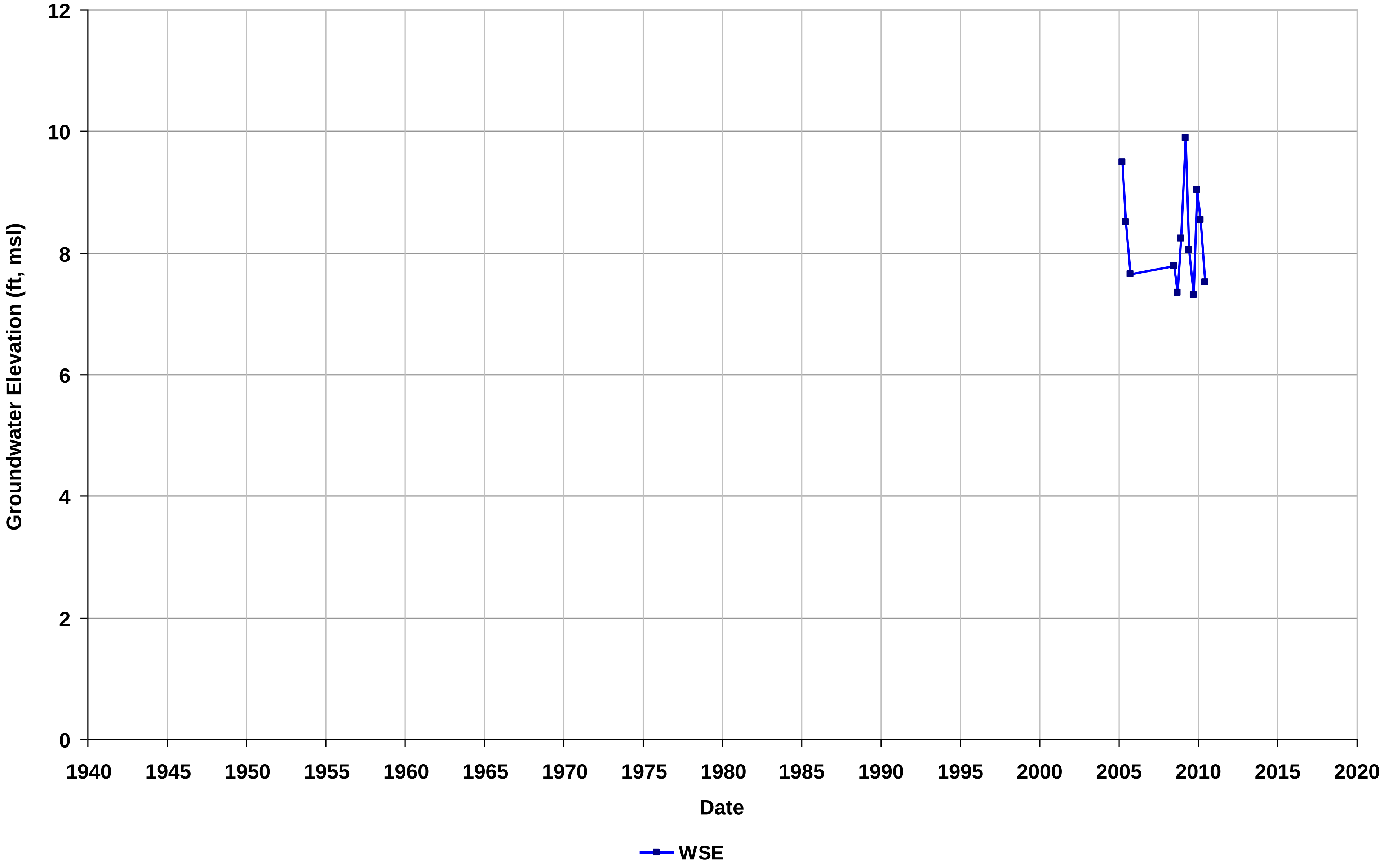
Well Name: SL0601318600-36
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 7
Perf. Interval (ft bgs): 5-10
T/R/S: 01N/05W/14
Well Use: Observation



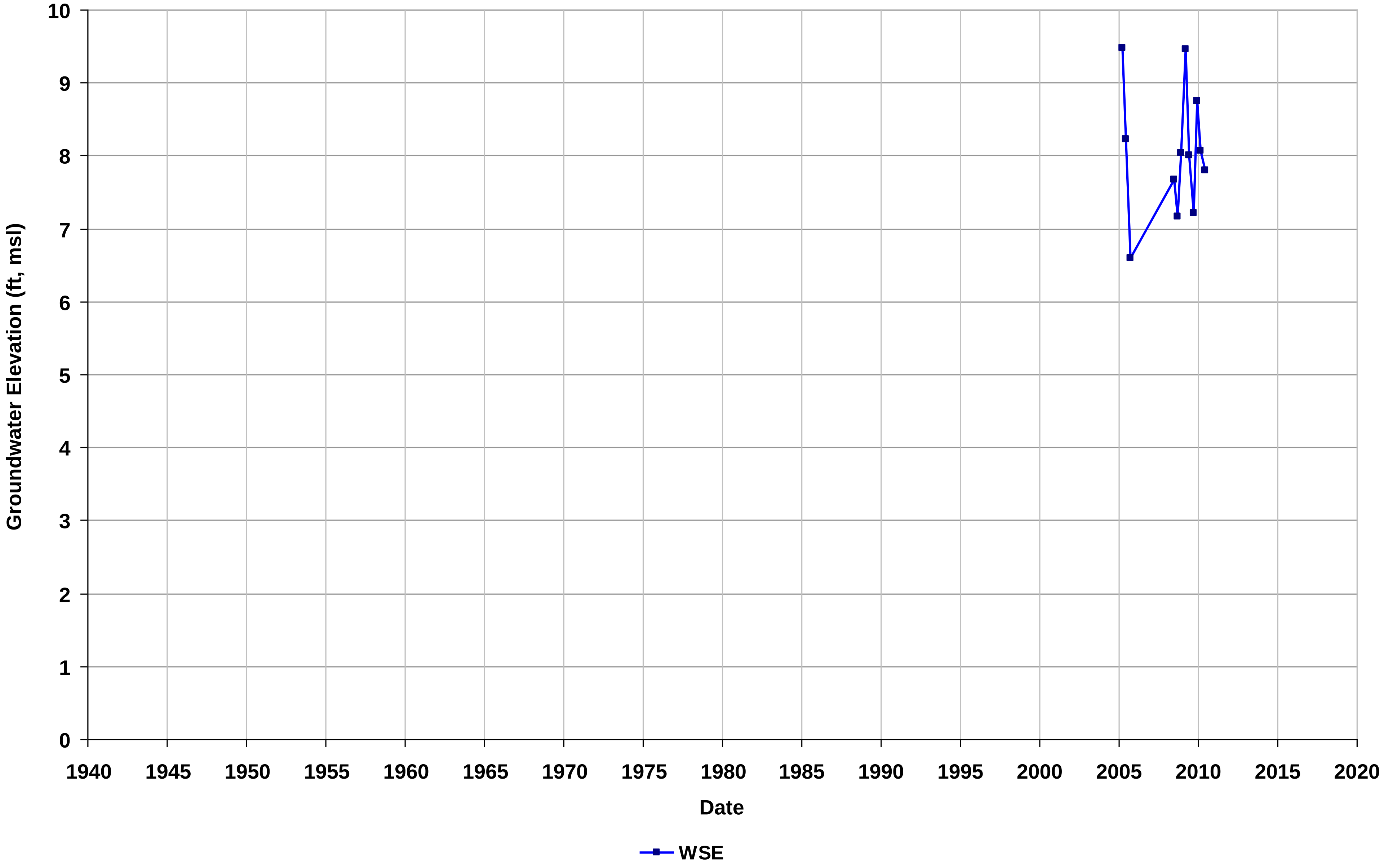
Well Name: SL0601318600-38
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-10
T/R/S: 01N/05W/14
Well Use: Observation



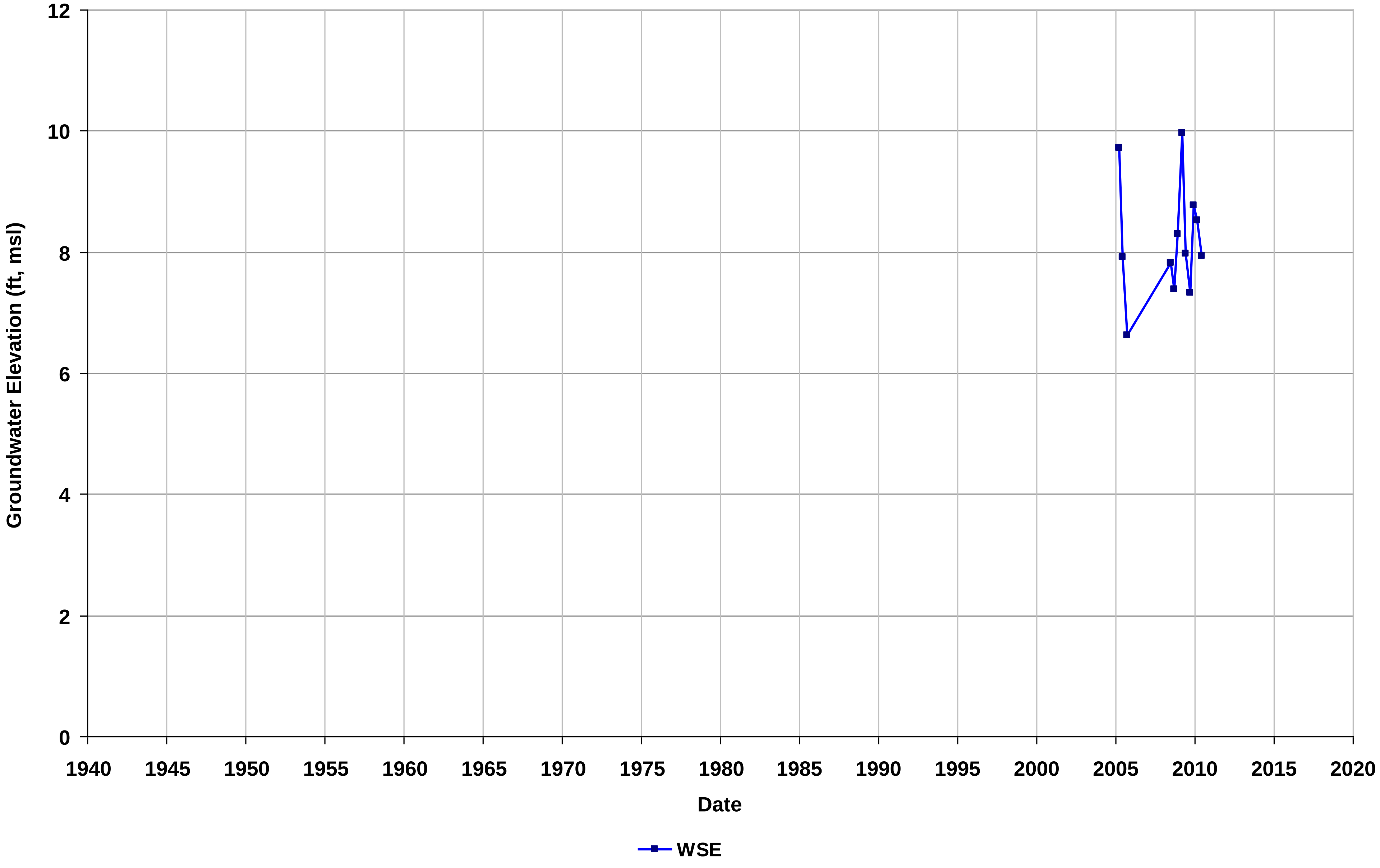
Well Name: SL0601318600-39
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-10
T/R/S: 01N/05W/14
Well Use: Observation



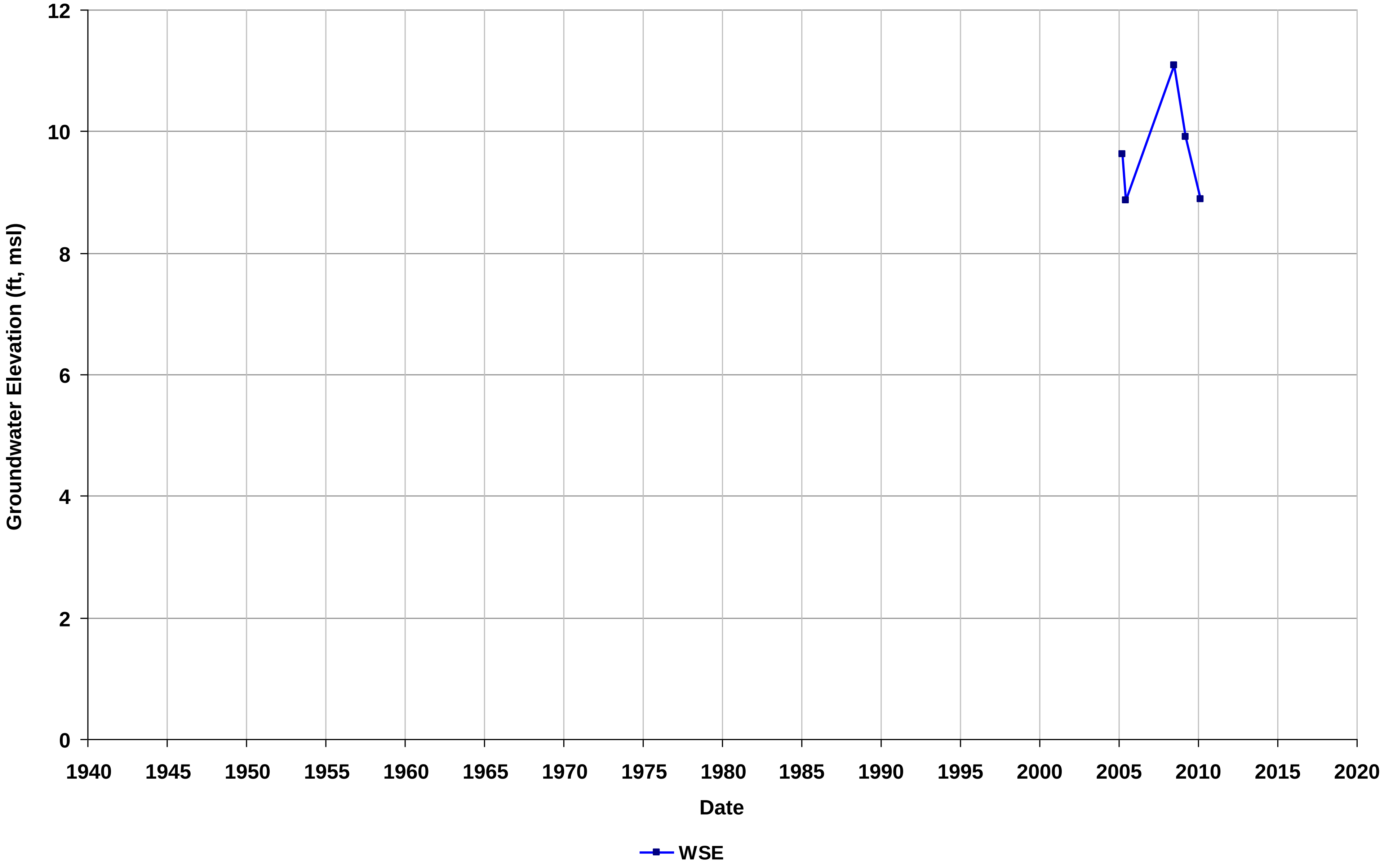
Well Name: SL0601318600-40
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-10
T/R/S: 01N/05W/14
Well Use: Observation



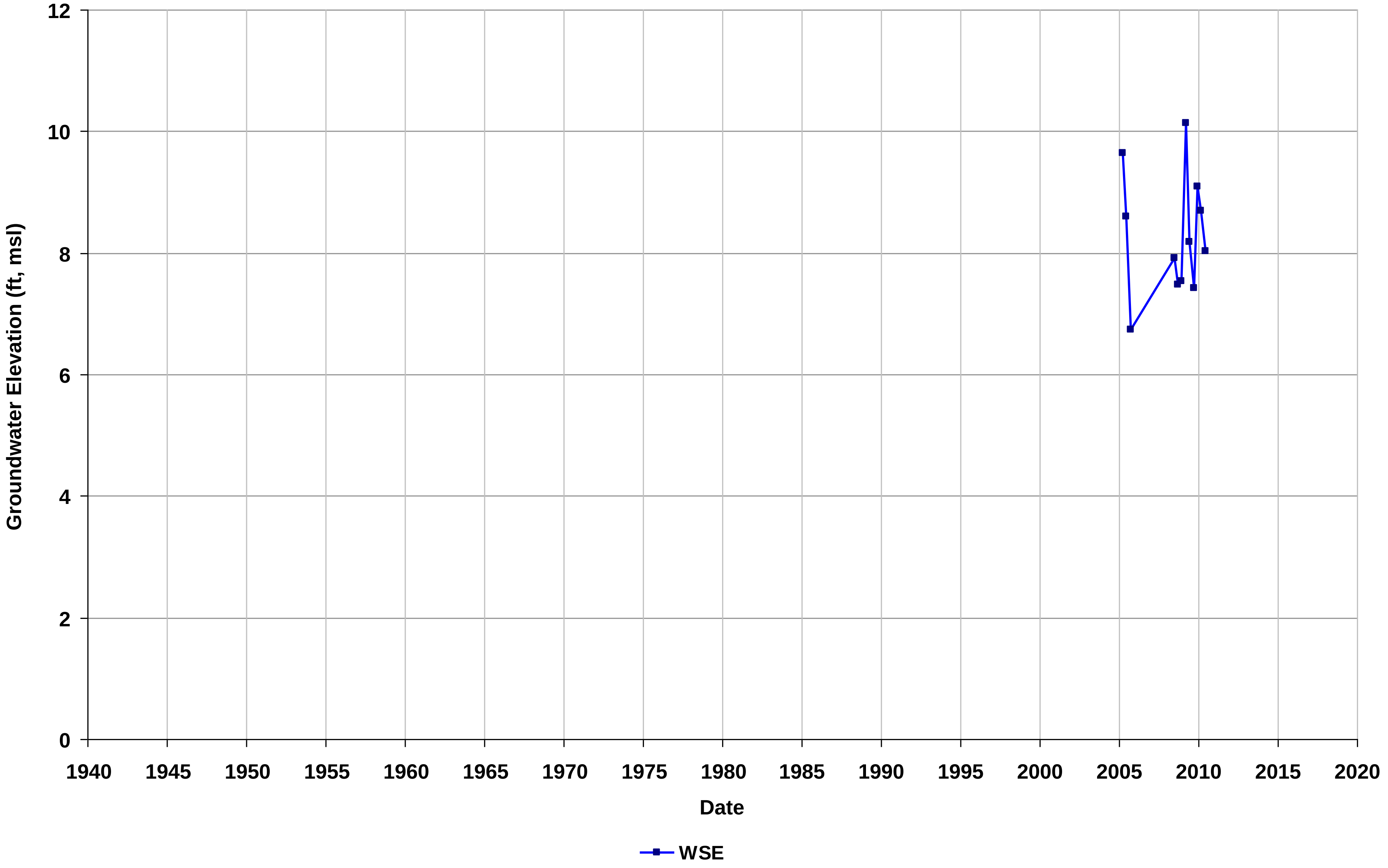
Well Name: SL0601318600-41
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 2
Perf. Interval (ft bgs): 5-10
T/R/S: 01N/05W/14
Well Use: Observation



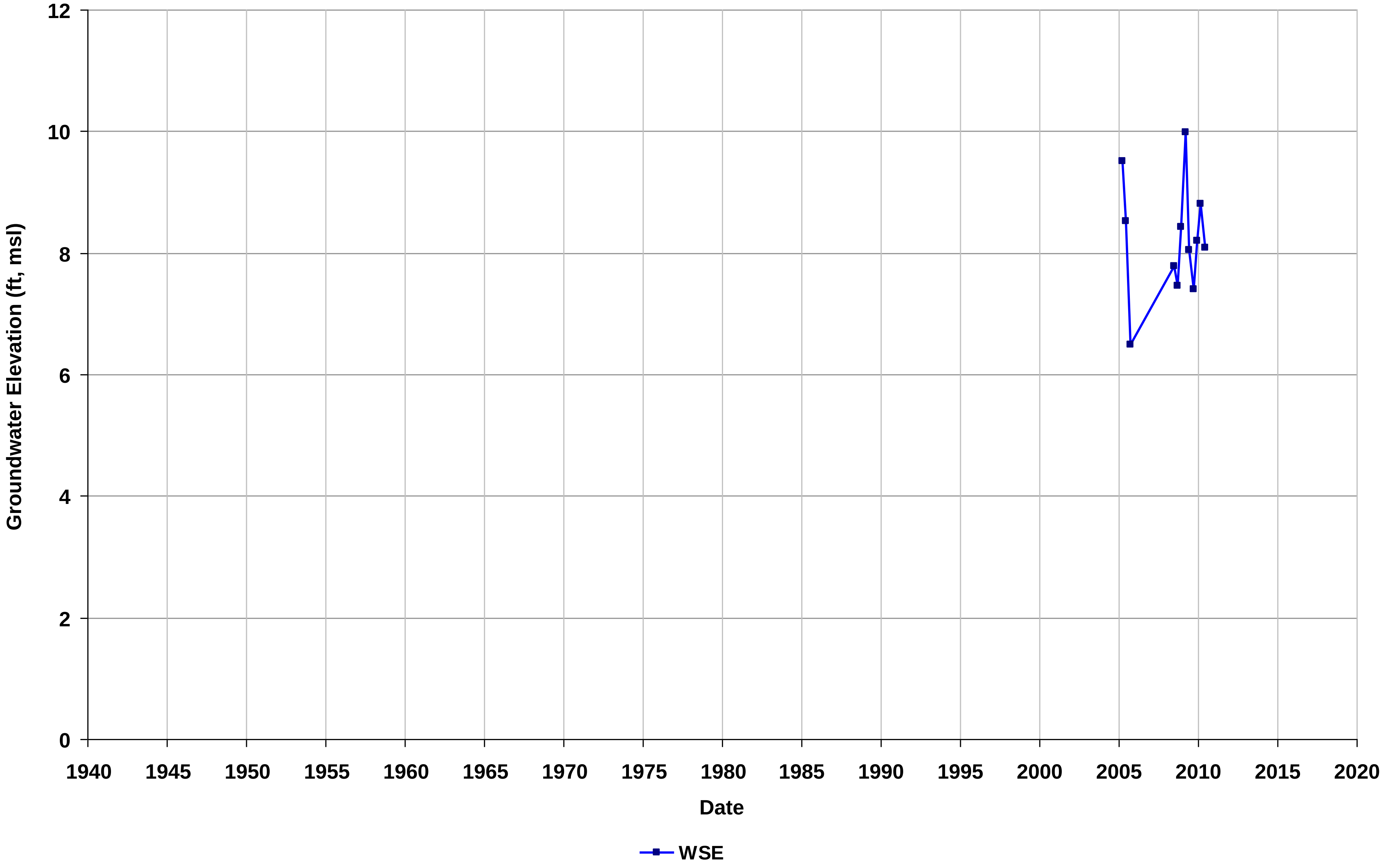
Well Name: SL0601318600-4A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-10
T/R/S: 01N/05W/14
Well Use: Observation



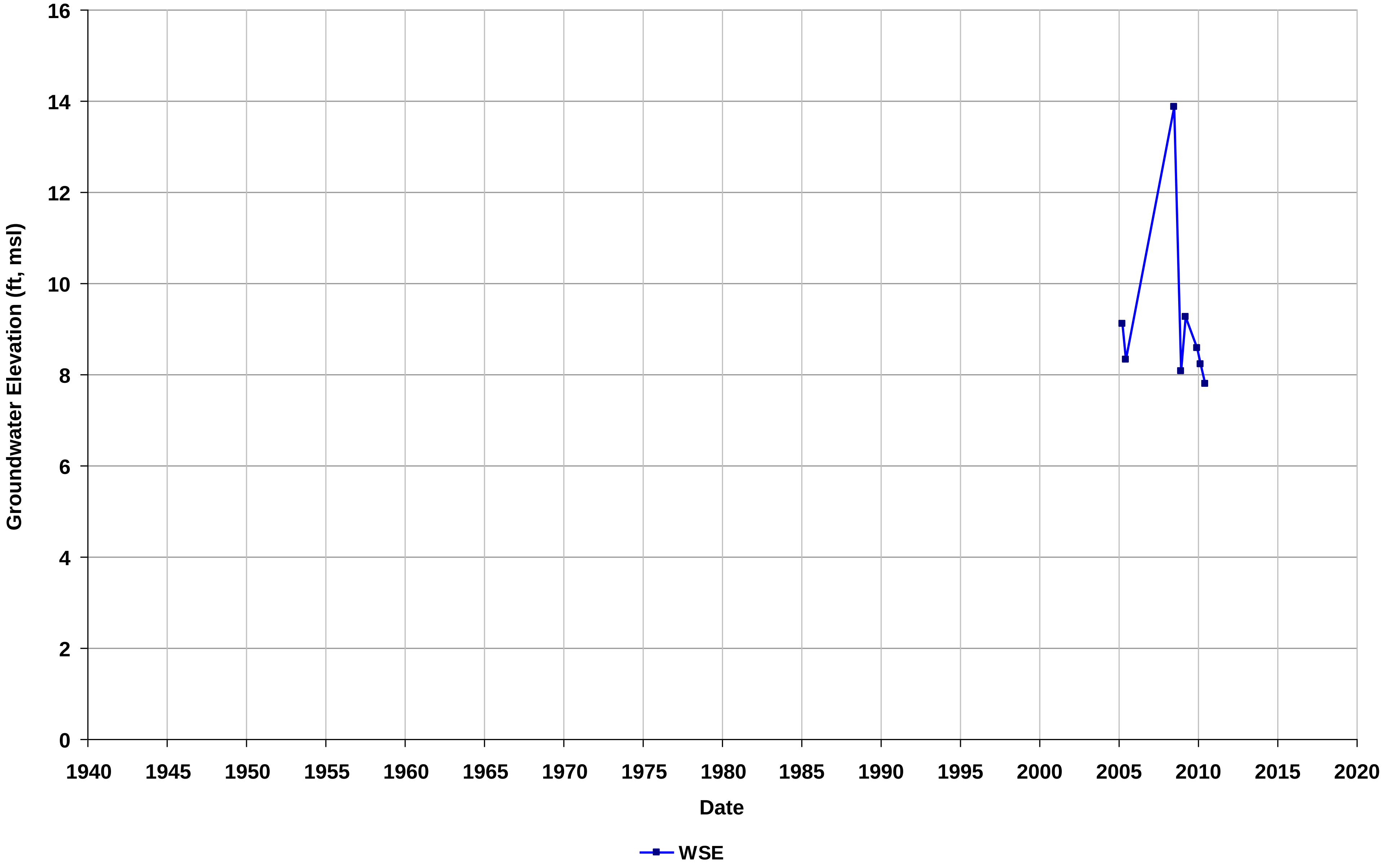
Well Name: SL0601318600-5
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-10
T/R/S: 01N/05W/14
Well Use: Observation



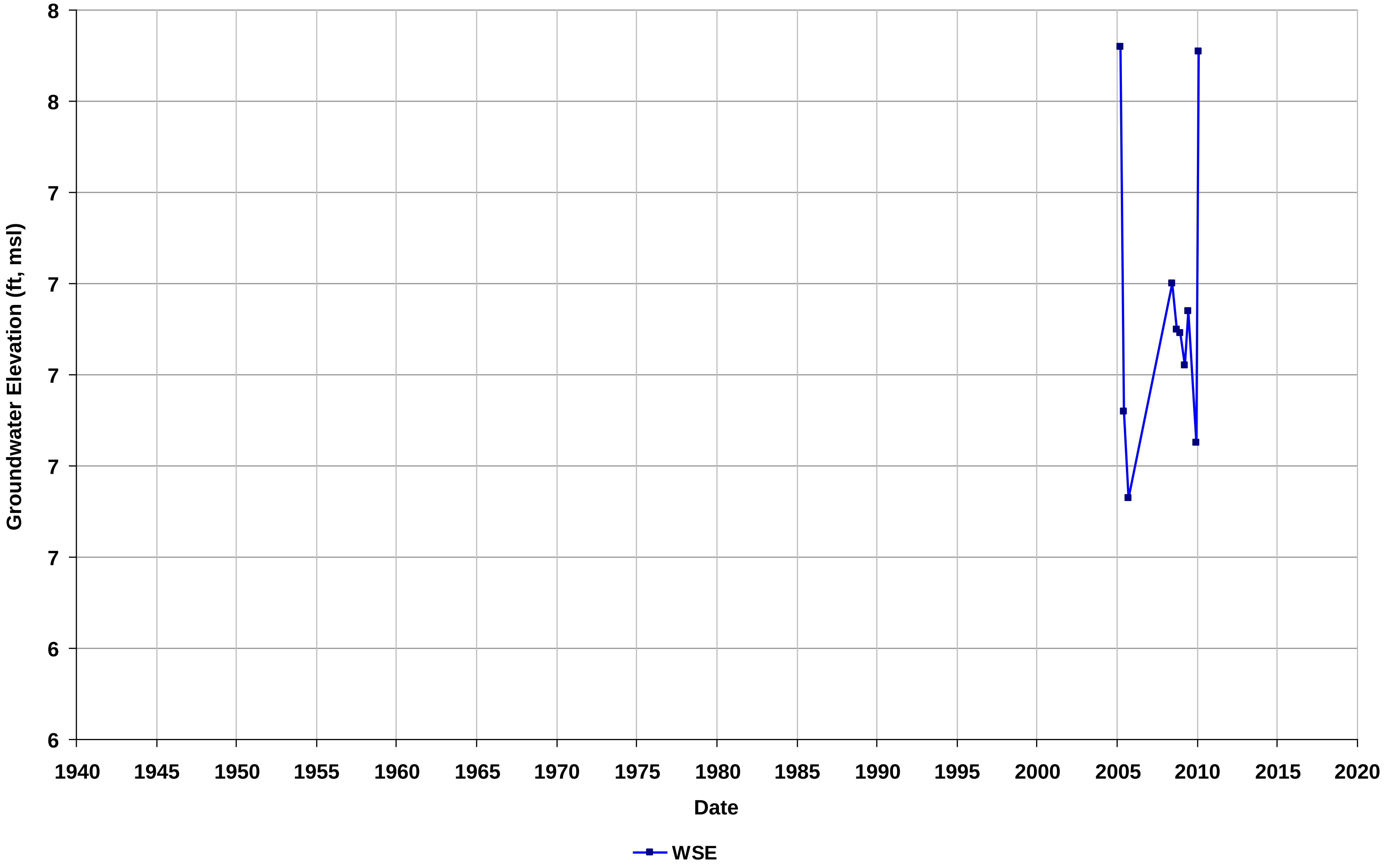
Well Name: SL0601318600-6
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-10
T/R/S: 01N/05W/14
Well Use: Observation



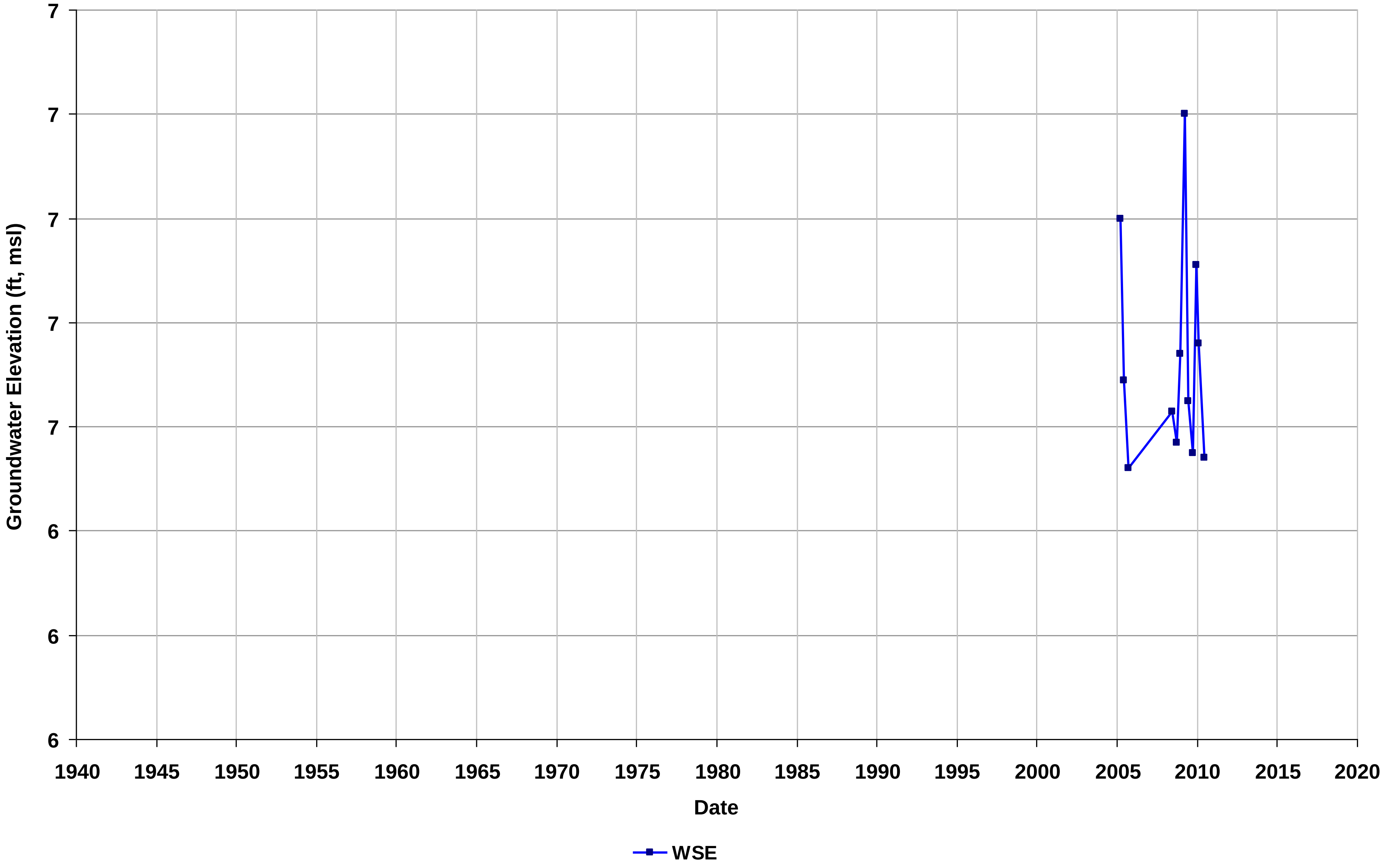
Well Name: SL0601318600-MW-1
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 3.5-14
T/R/S: 01N/05W/11
Well Use: Observation



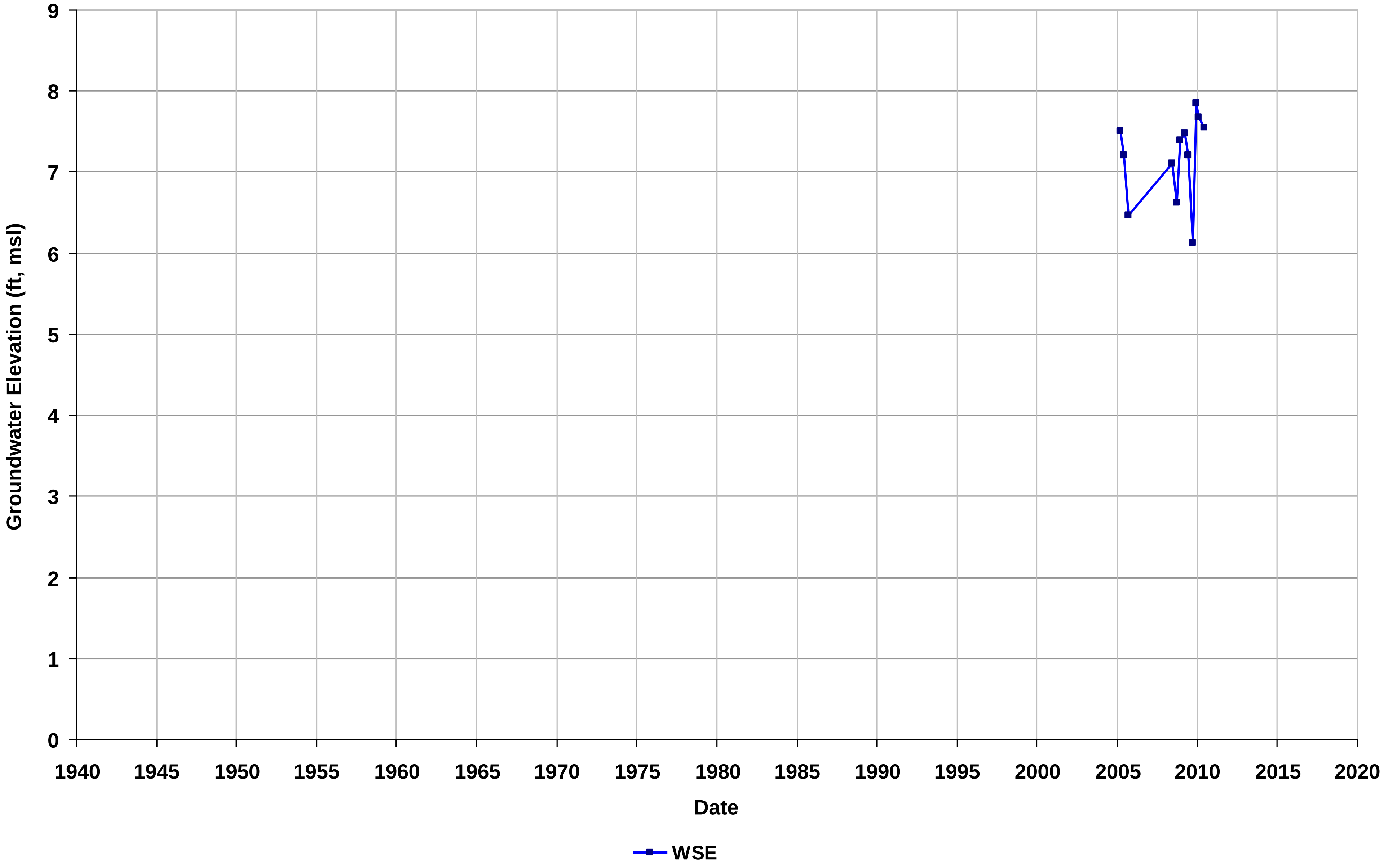
Well Name: SL0601318600-MW-2
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 3-13
T/R/S: 01N/05W/14
Well Use: Observation



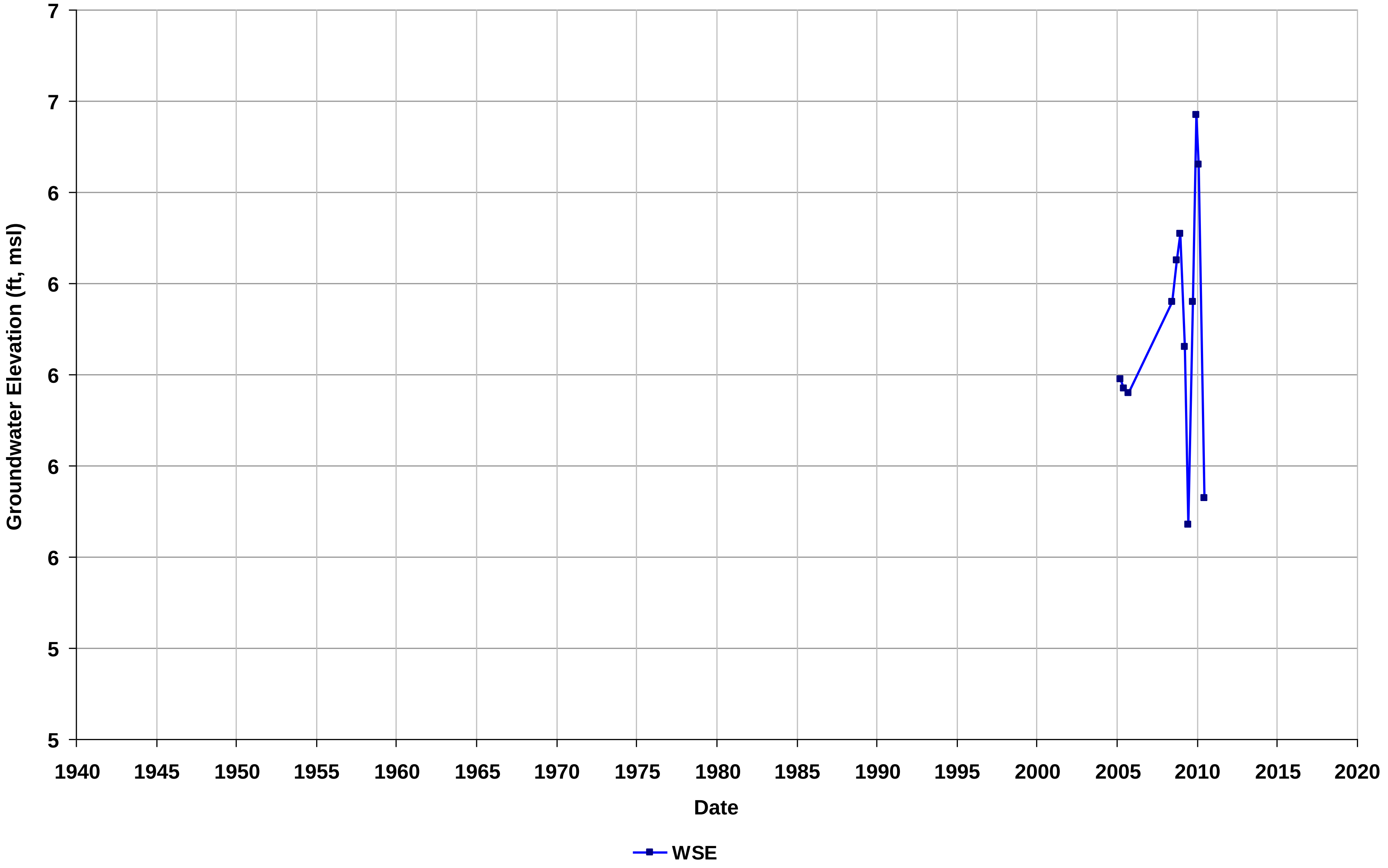
Well Name: SL0601318600-MW-3
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 3-13
T/R/S: 01N/05W/14
Well Use: Observation



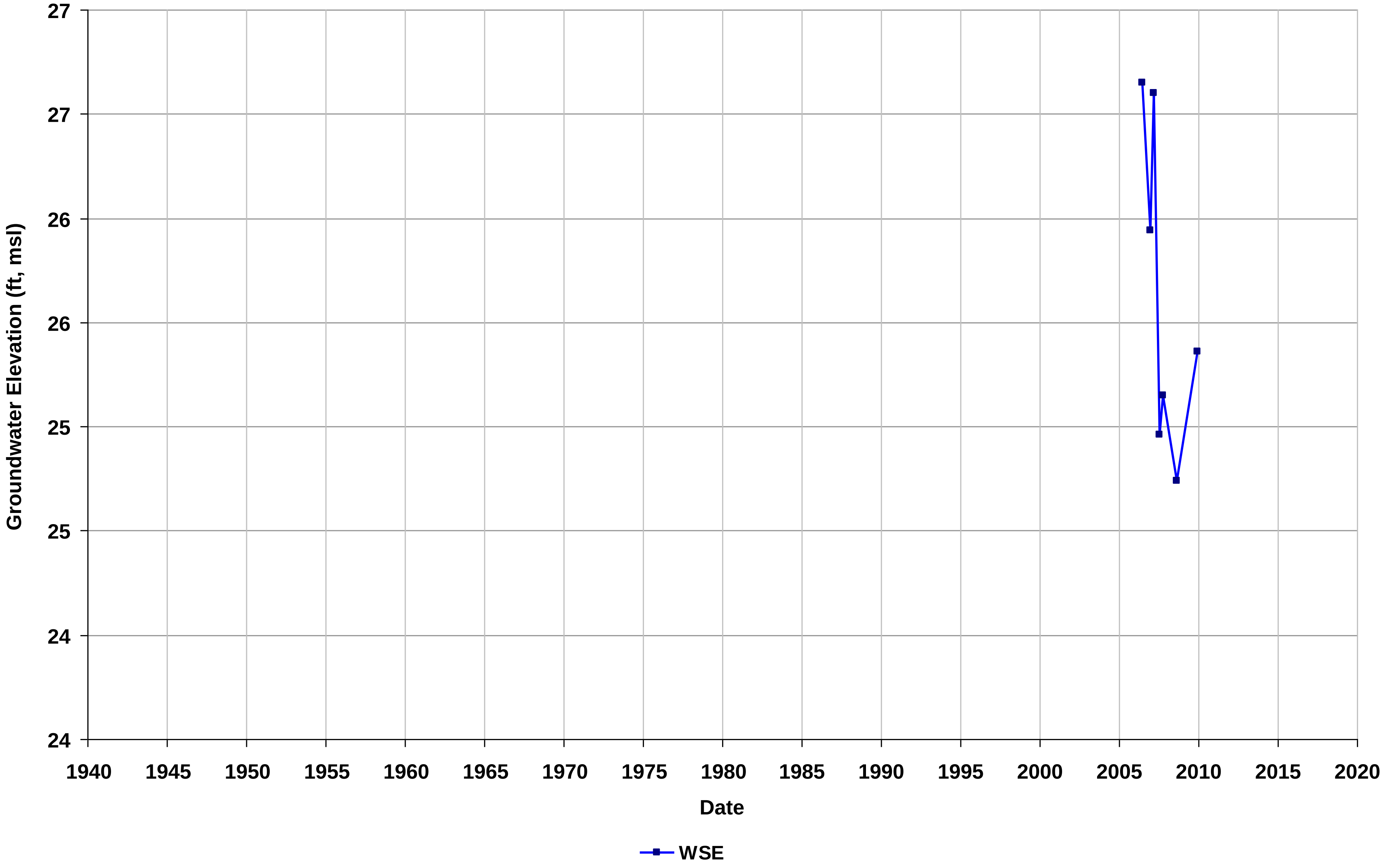
Well Name: SL0601318600-MW-4
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 3-13
T/R/S: 01N/05W/14
Well Use: Observation



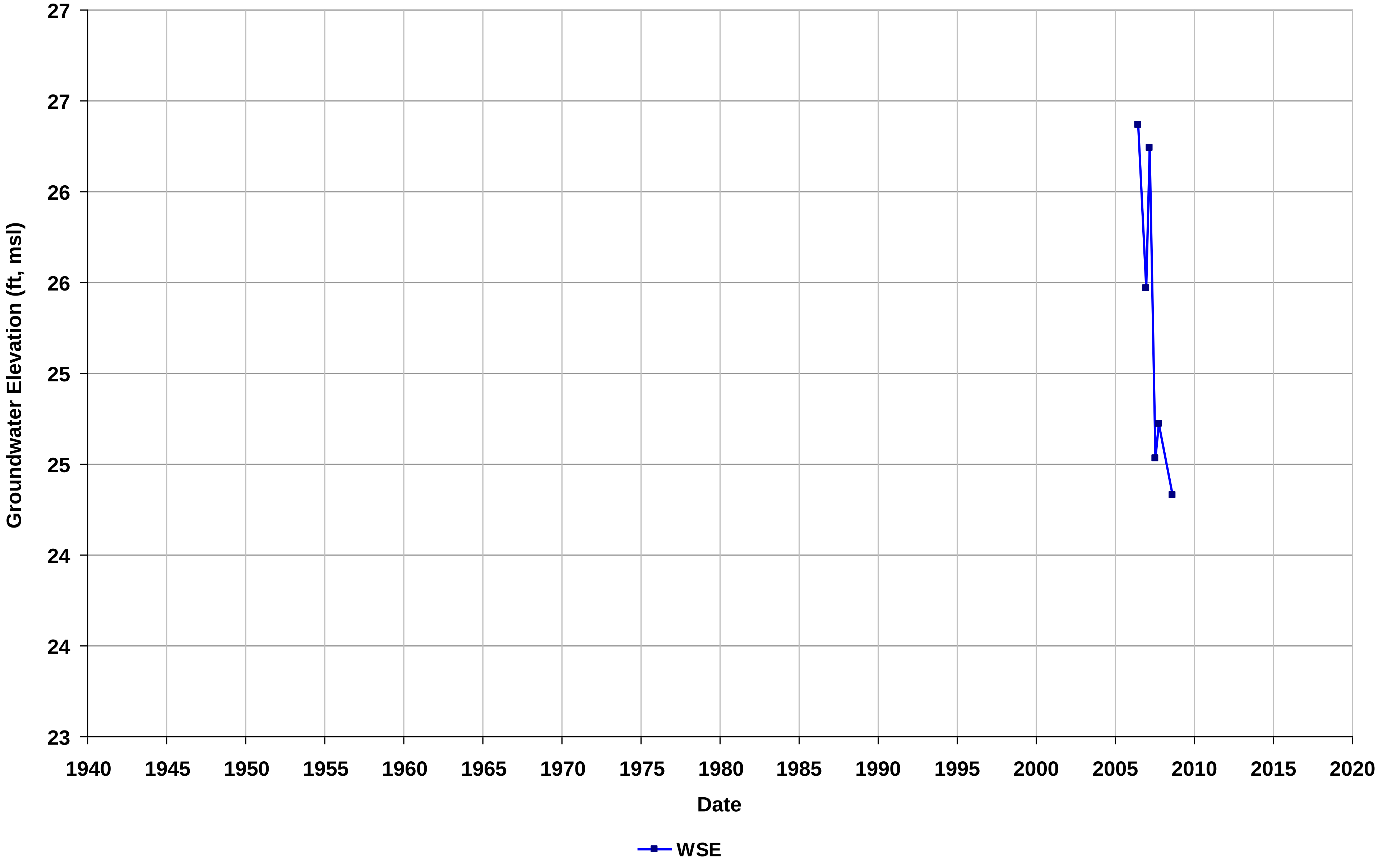
Well Name: SL0601392884-MW-1
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 7-17
T/R/S: 01N/05W/01
Well Use: Observation



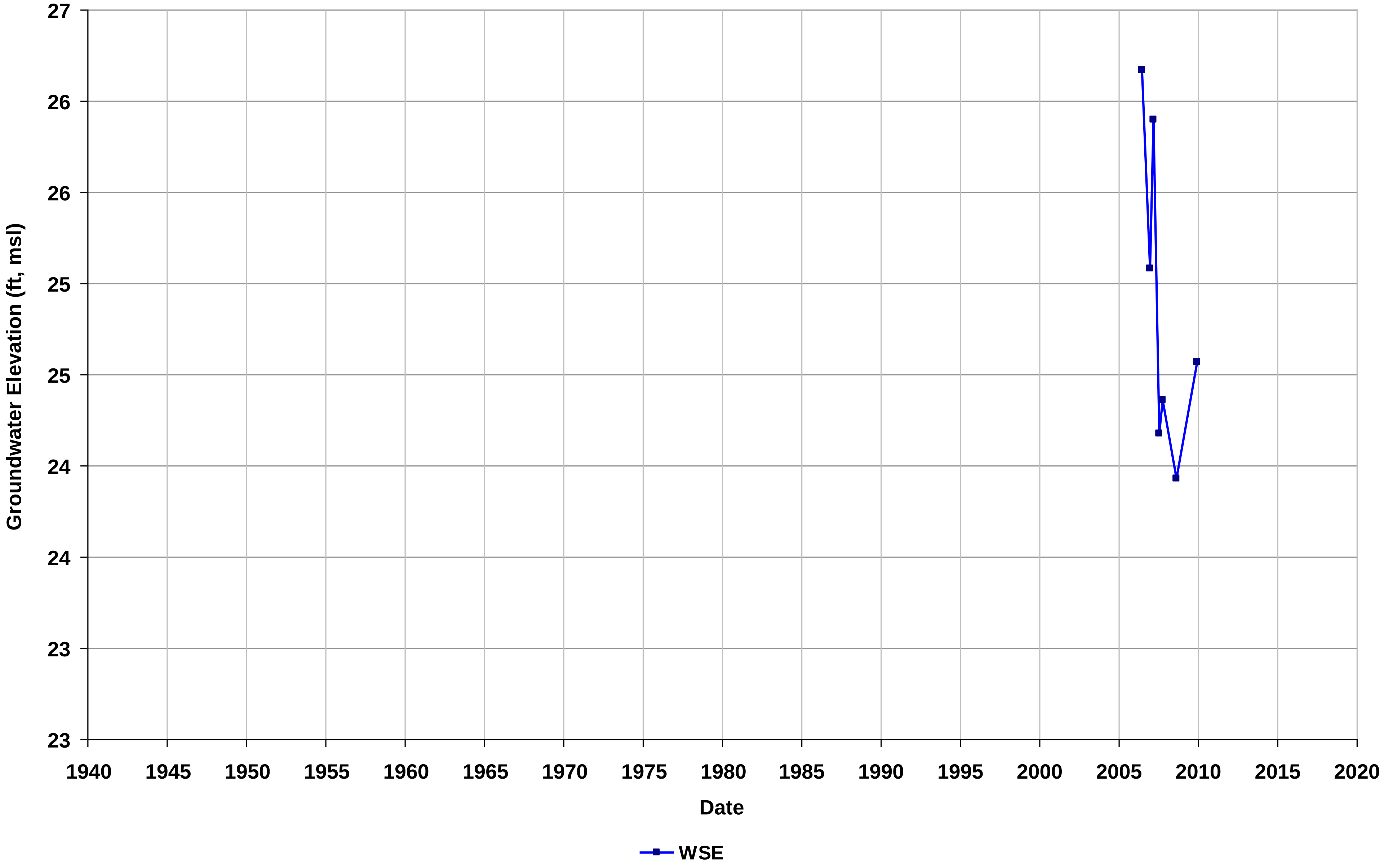
Well Name: SL0601392884-MW-2
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 7-17
T/R/S: 01N/05W/01
Well Use: Observation



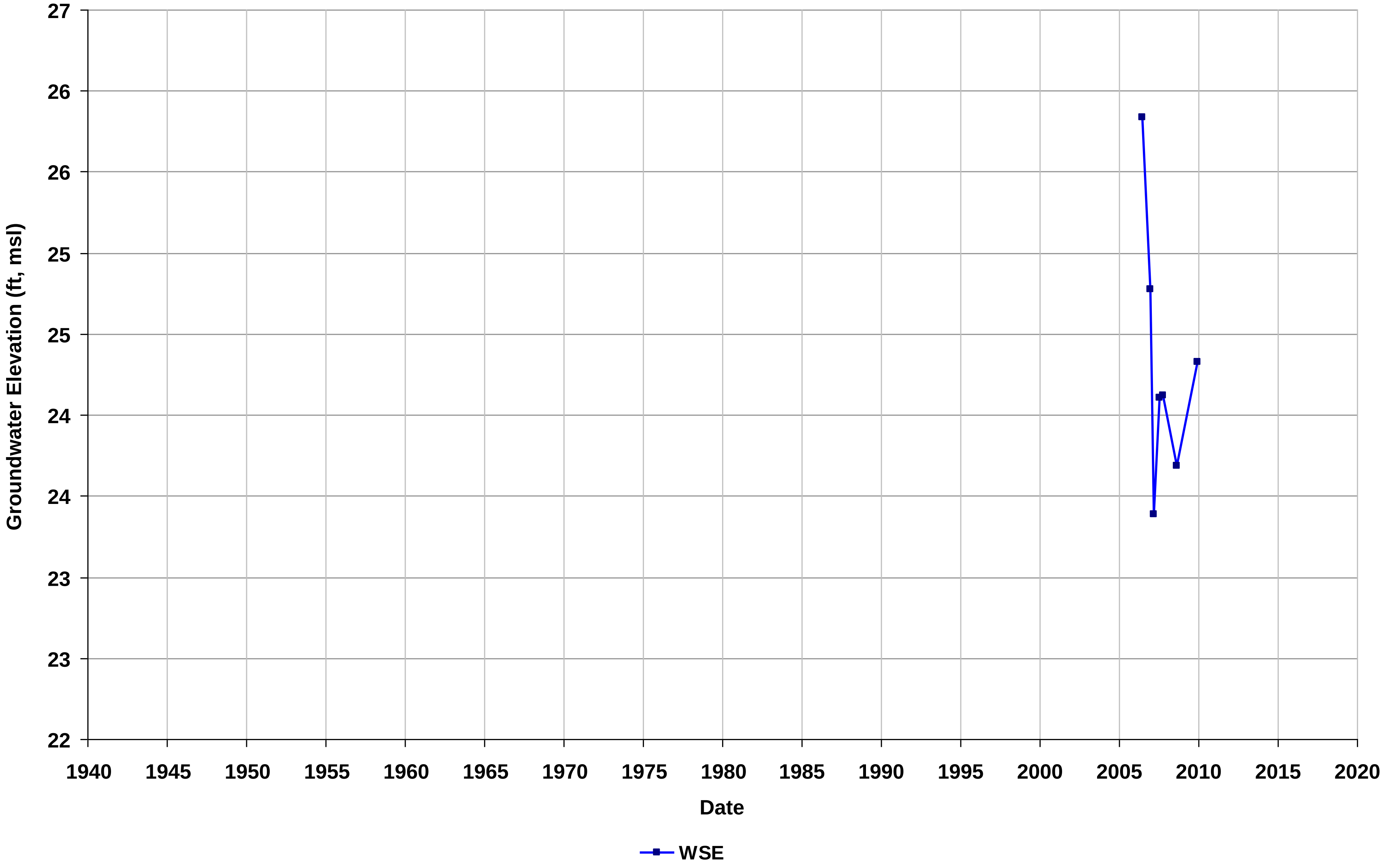
Well Name: SL0601392884-MW-3
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 6-18
T/R/S: 01N/05W/01
Well Use: Observation



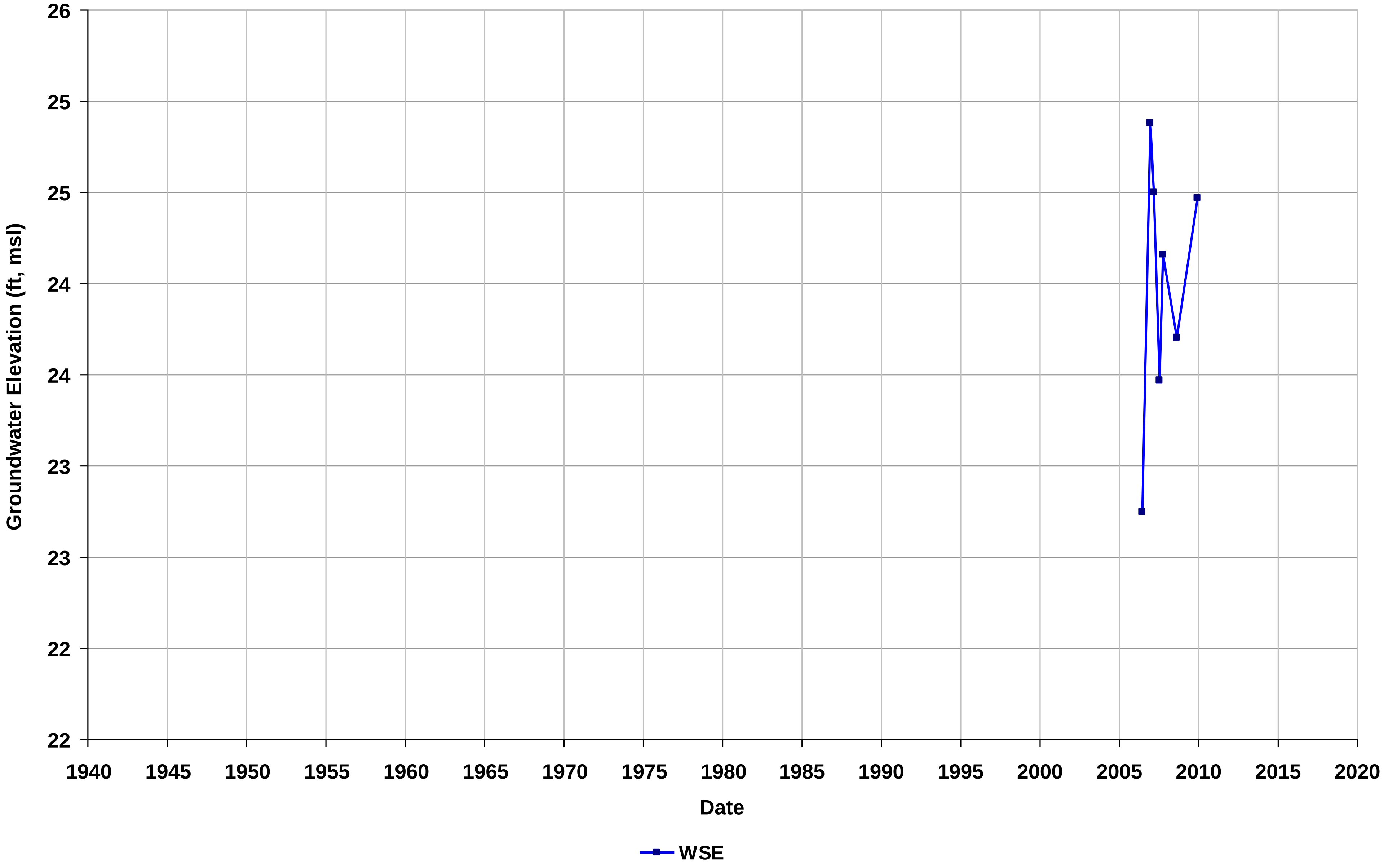
Well Name: SL0601392884-MW-4
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 7-17
T/R/S: 01N/05W/01
Well Use: Observation



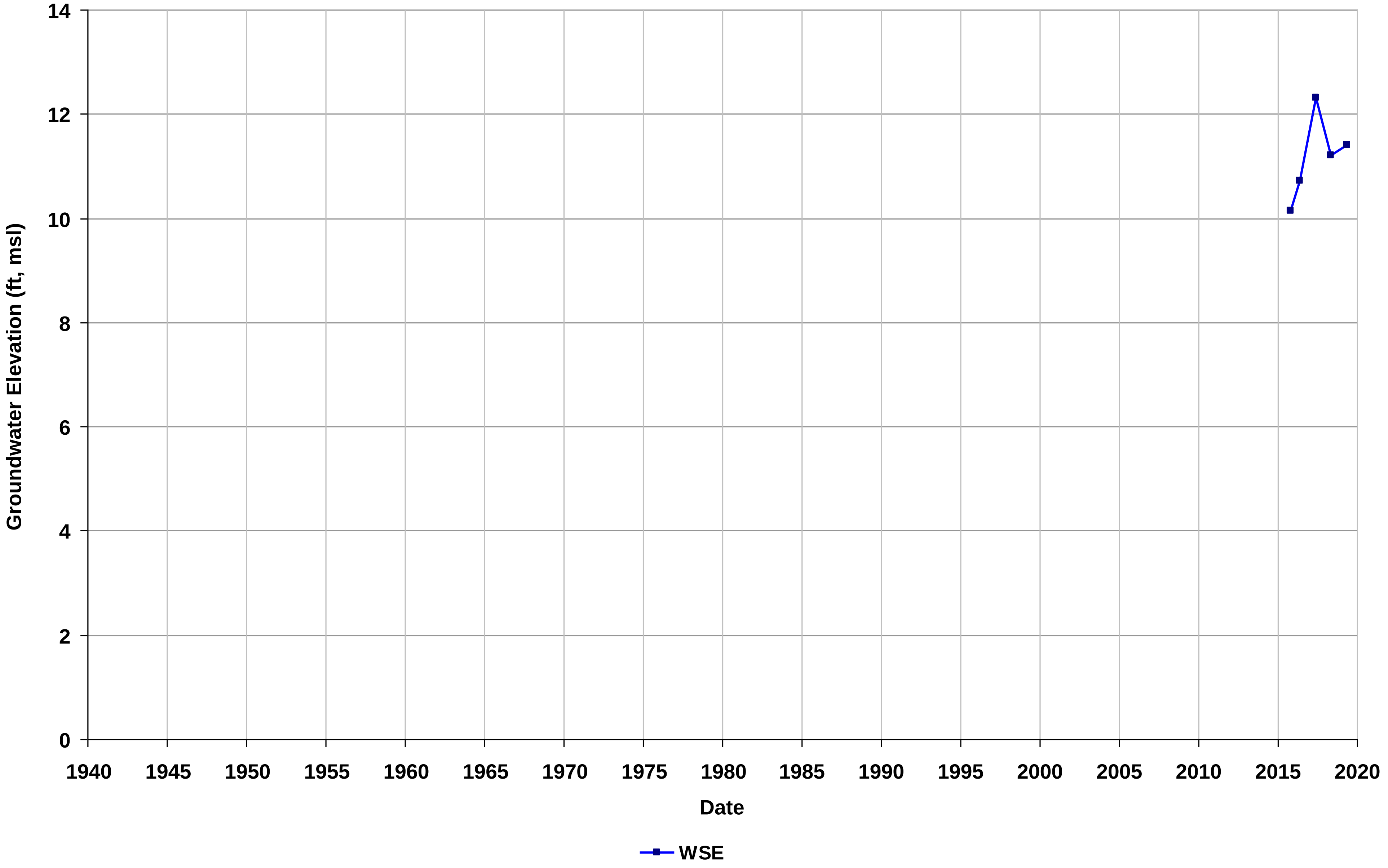
Well Name: SL0601392884-MW-5
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 12-22
T/R/S: 01N/05W/01
Well Use: Observation



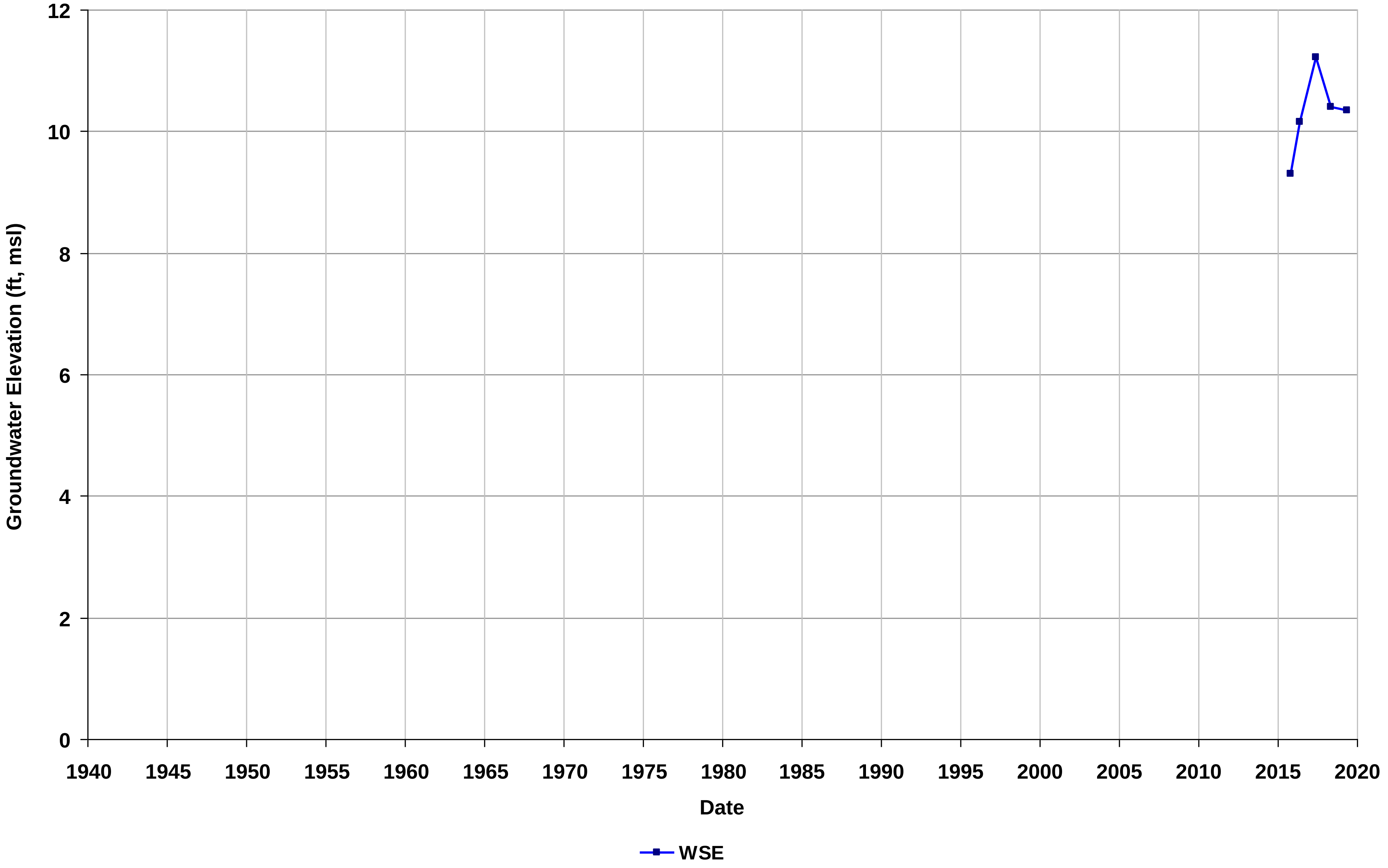
Well Name: SL181261126-MW-14
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 23
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



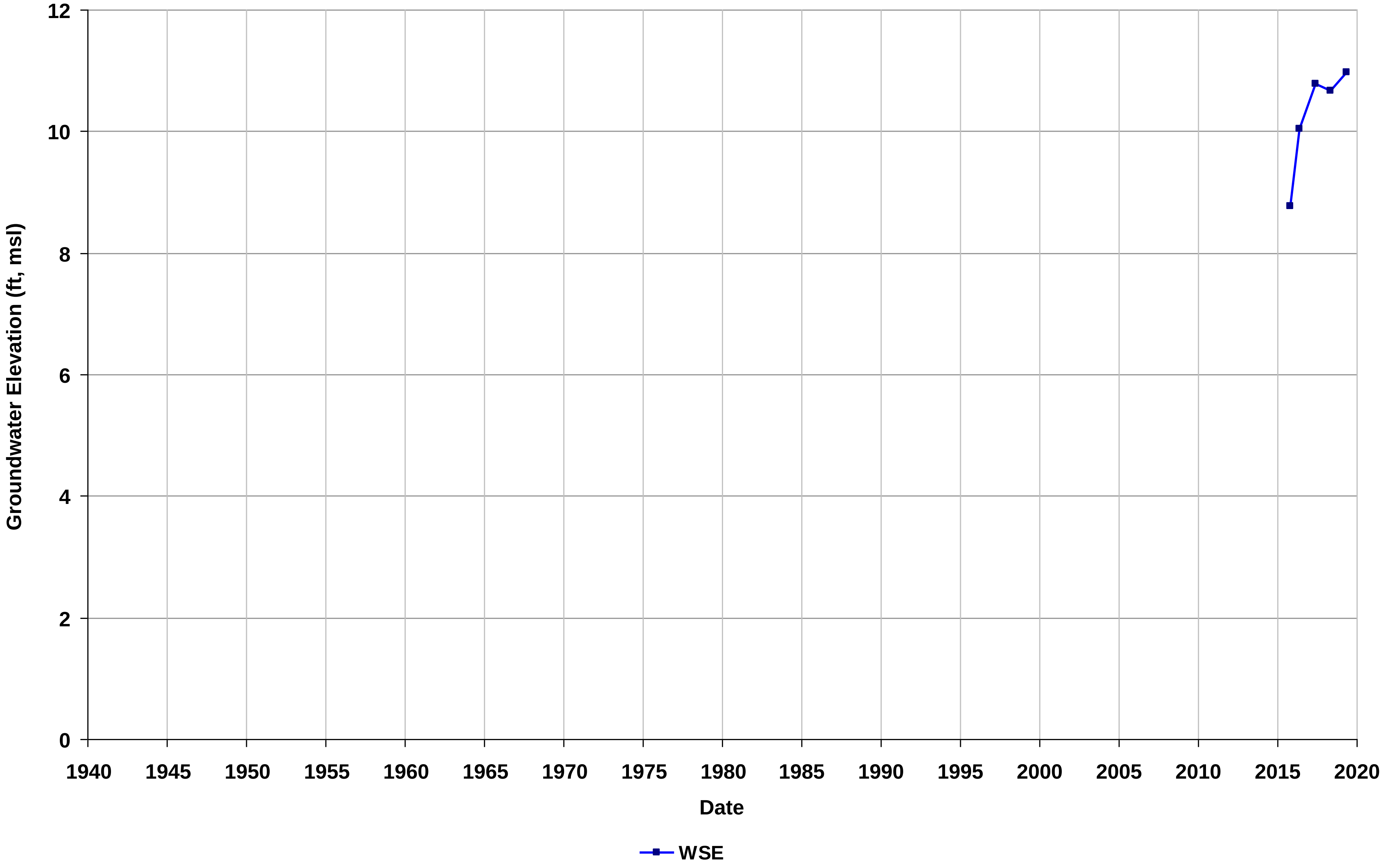
Well Name: SL181261126-MW-20
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 22
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



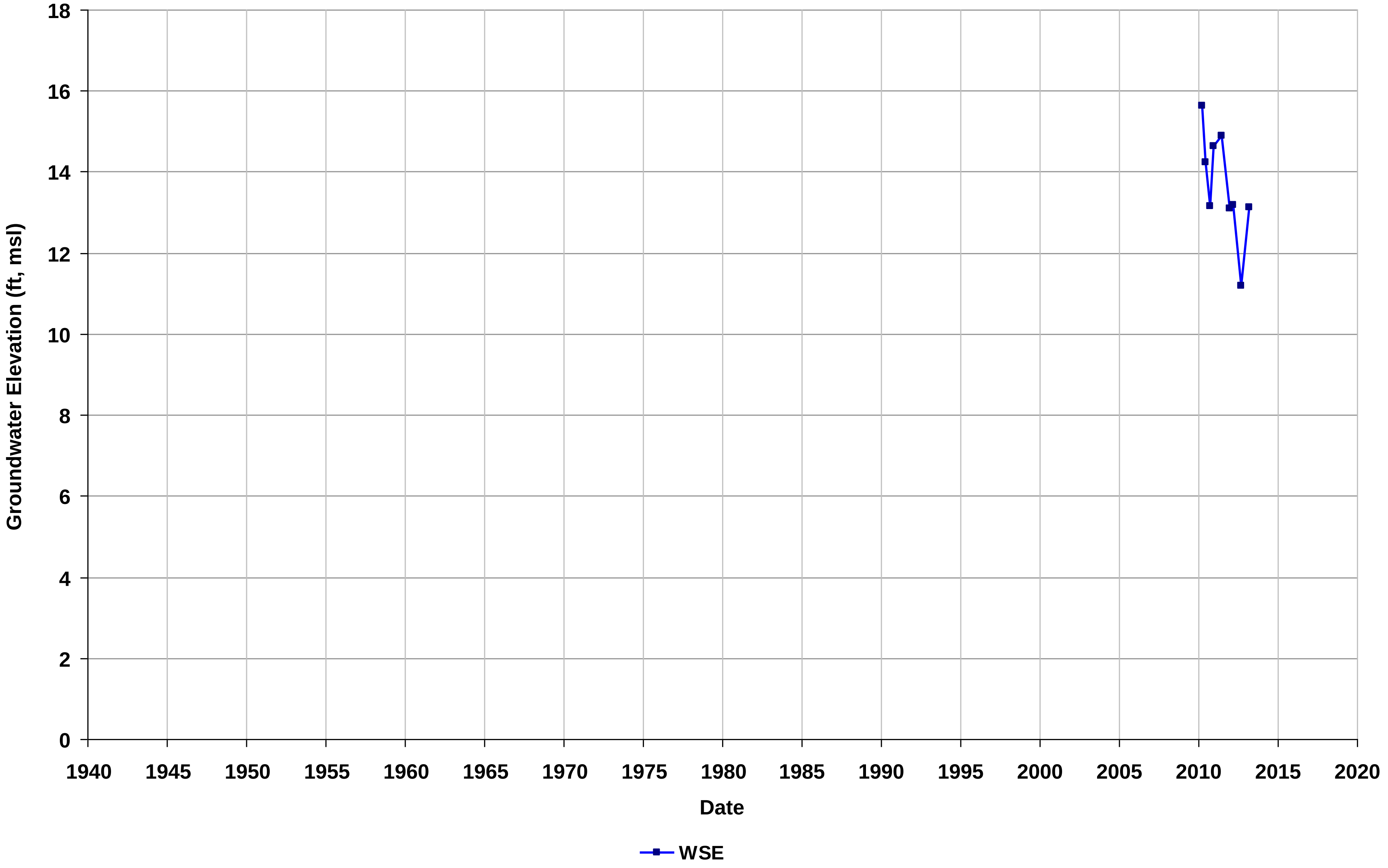
Well Name: SL181261126-MW-21
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 25
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



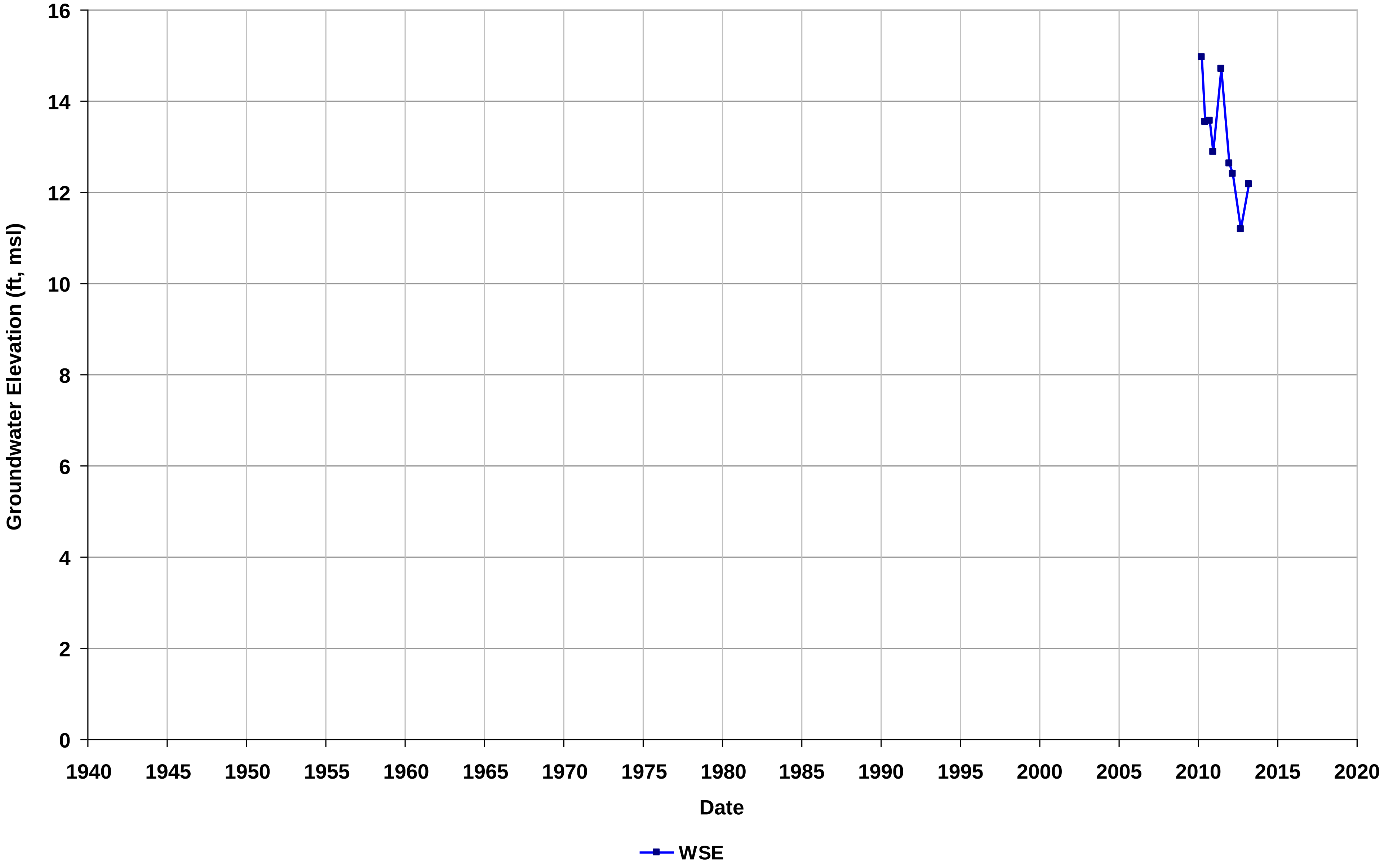
Well Name: SL18229627-B-23
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 27-47
T/R/S: n/a
Well Use: Observation



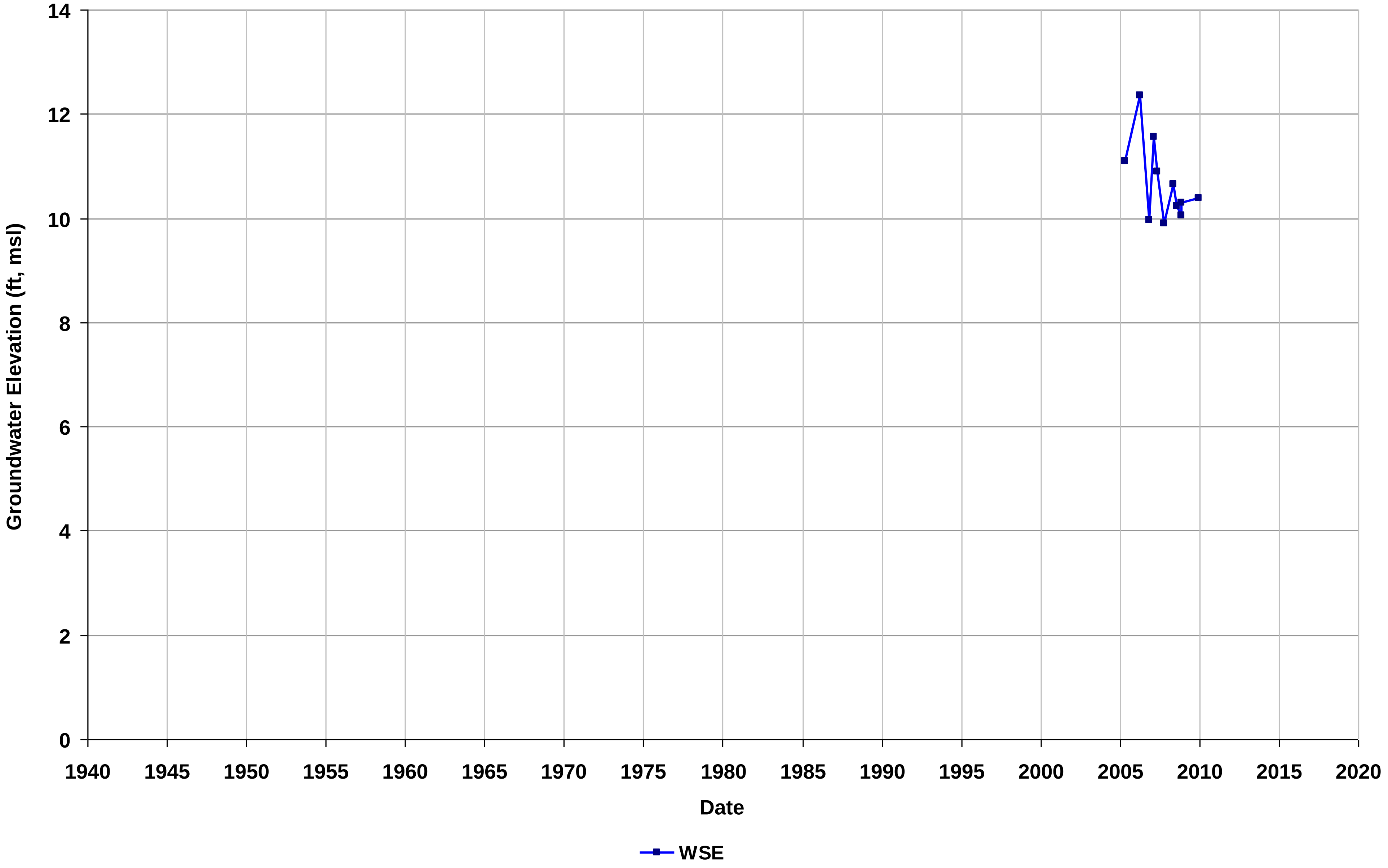
Well Name: SL18229627-B-24
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 45-50
T/R/S: n/a
Well Use: Observation



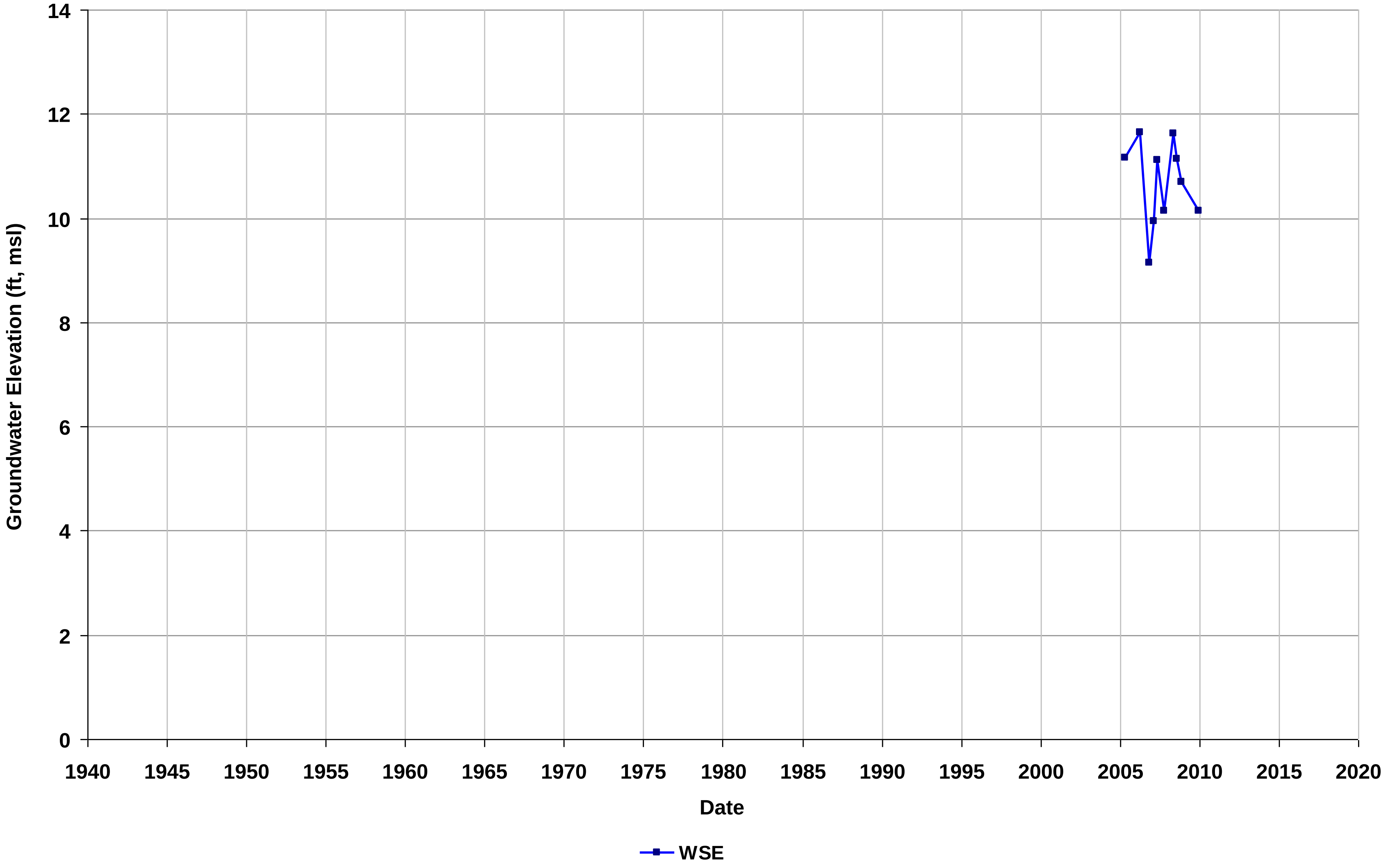
Well Name: SL18233651-F1
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 11.5-32
T/R/S: n/a
Well Use: Observation



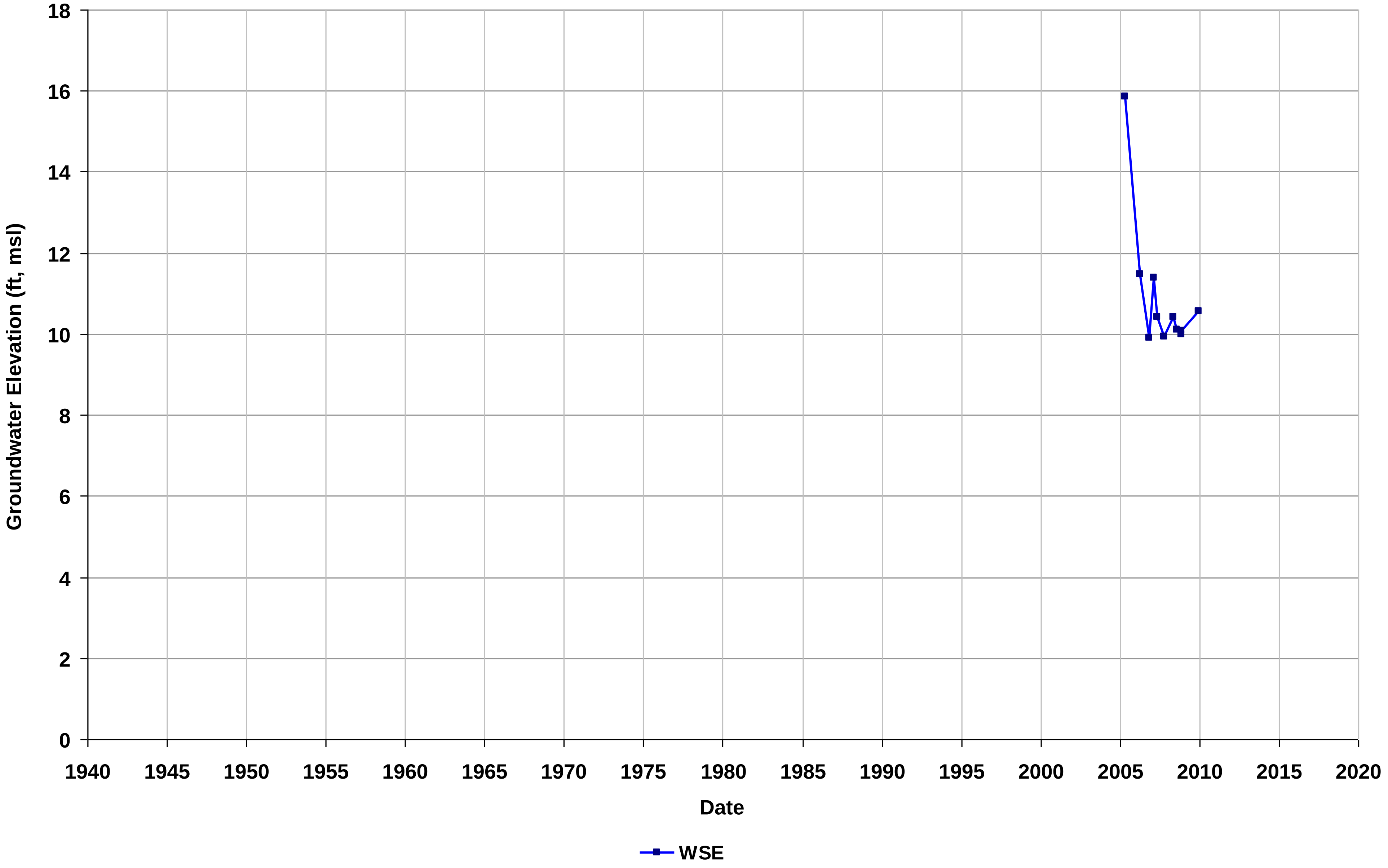
Well Name: SL18233651-F10
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 35-45
T/R/S: n/a
Well Use: Observation



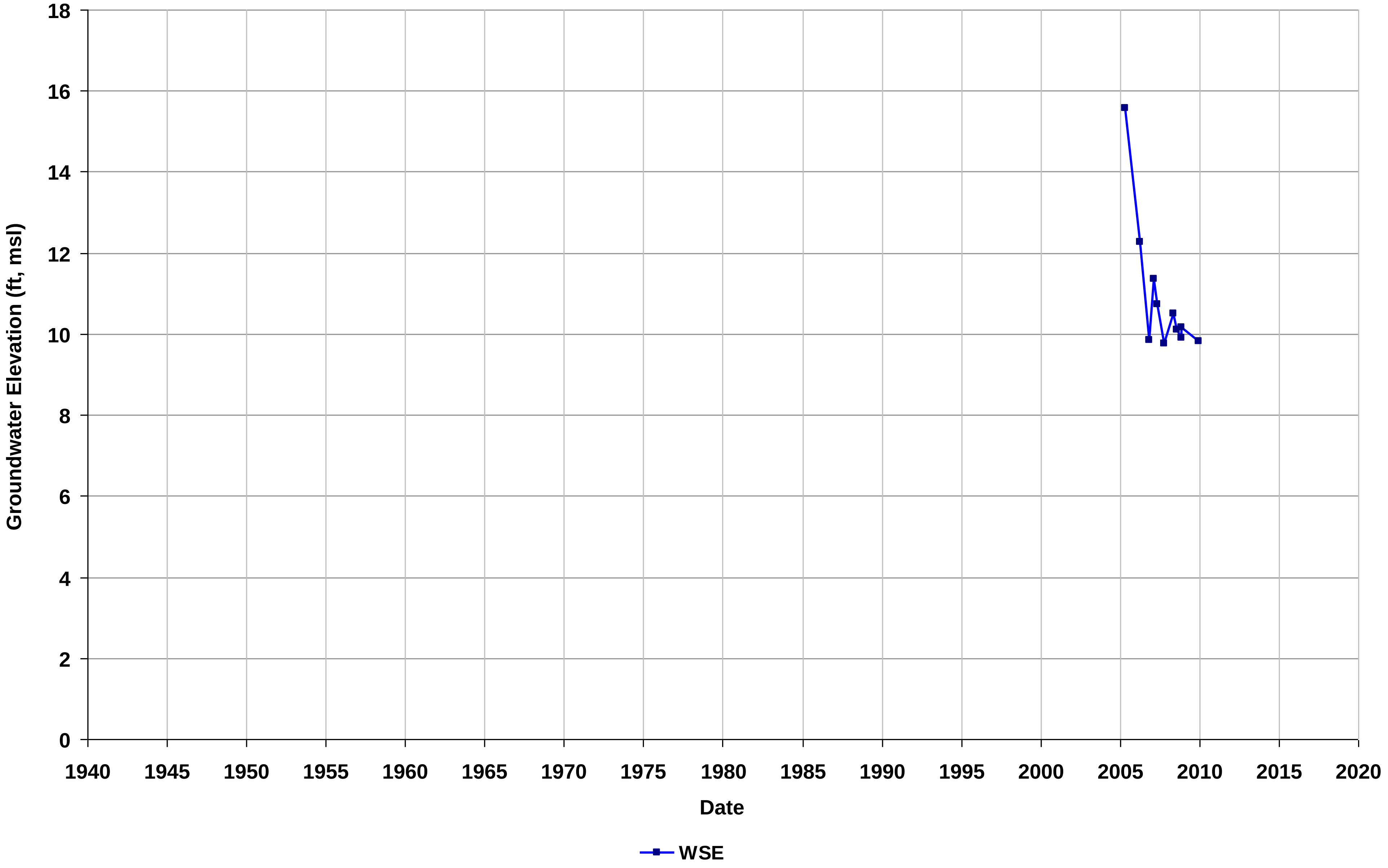
Well Name: SL18233651-F11
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 7-32
T/R/S: n/a
Well Use: Observation



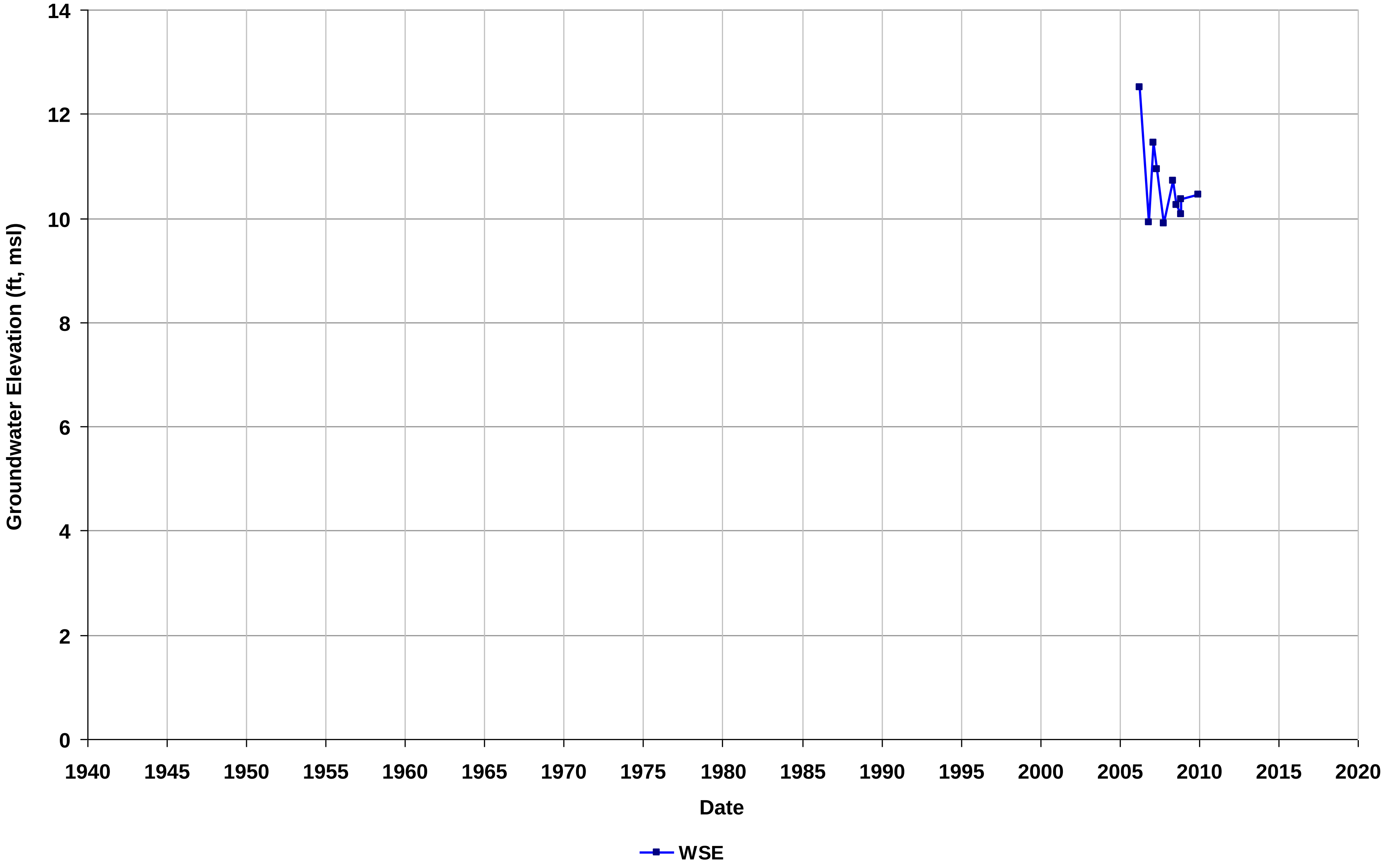
Well Name: SL18233651-F12
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 7-30
T/R/S: n/a
Well Use: Observation



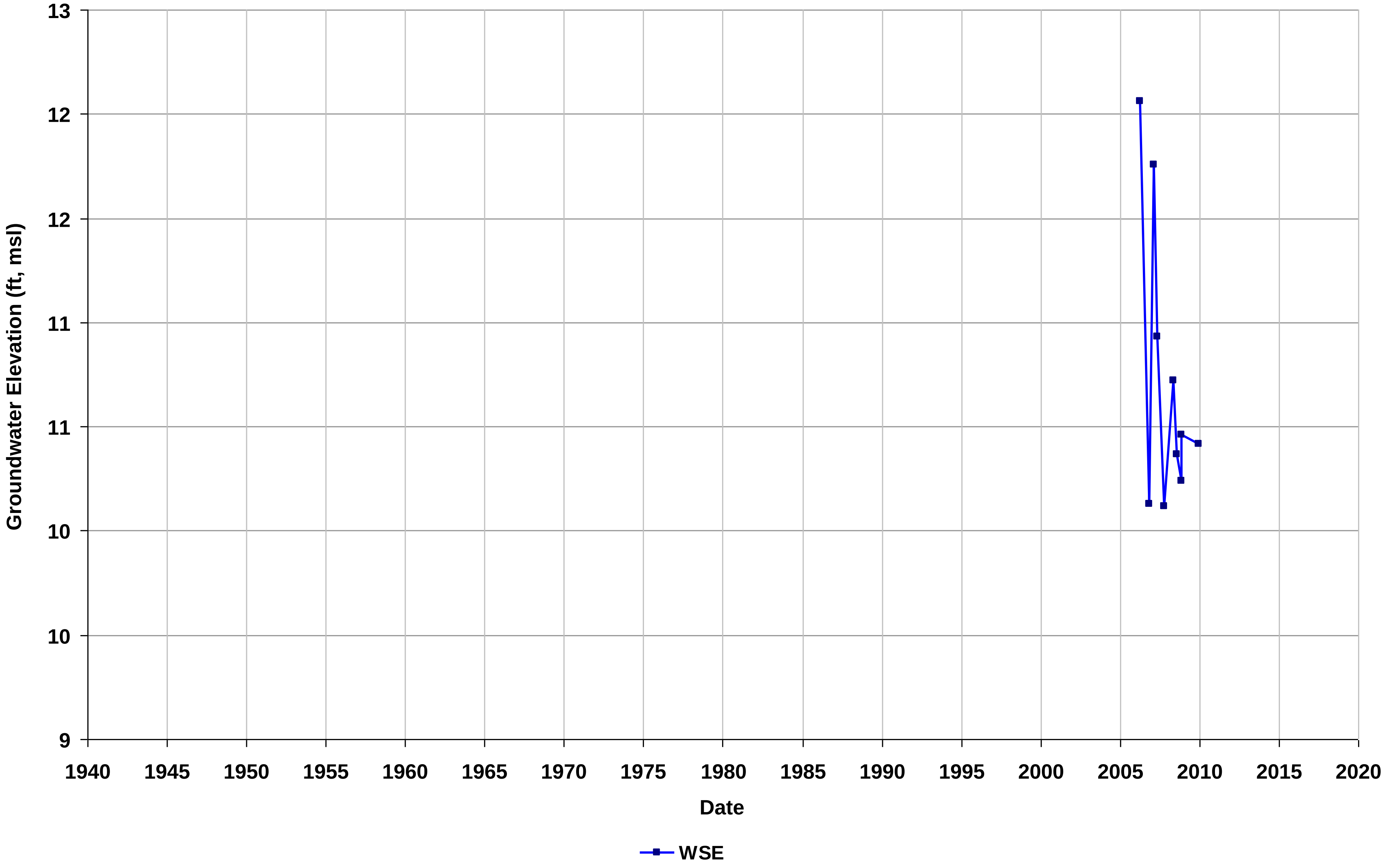
Well Name: SL18233651-F13
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 7-22
T/R/S: n/a
Well Use: Observation



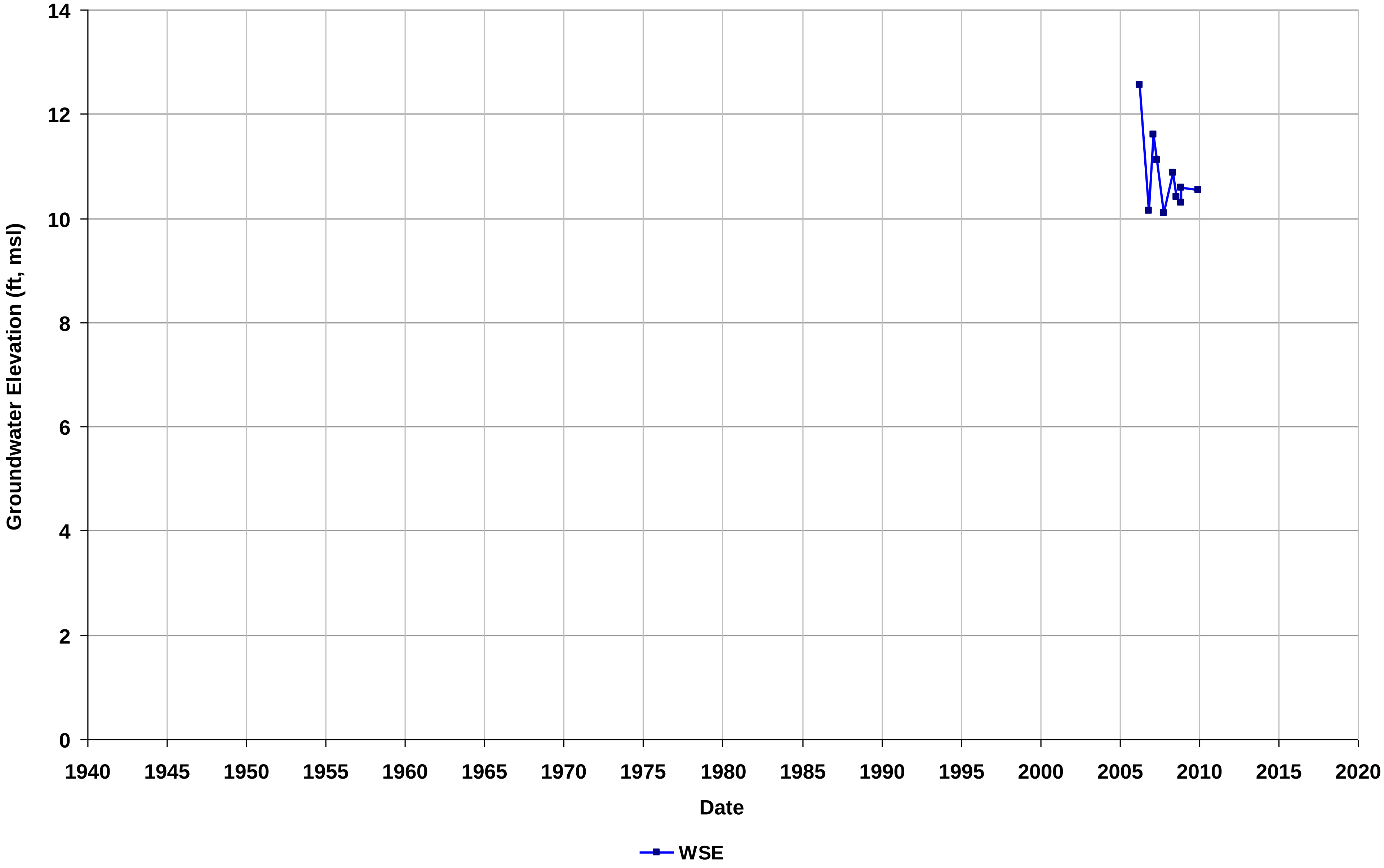
Well Name: SL18233651-F14
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 7-22
T/R/S: n/a
Well Use: Observation



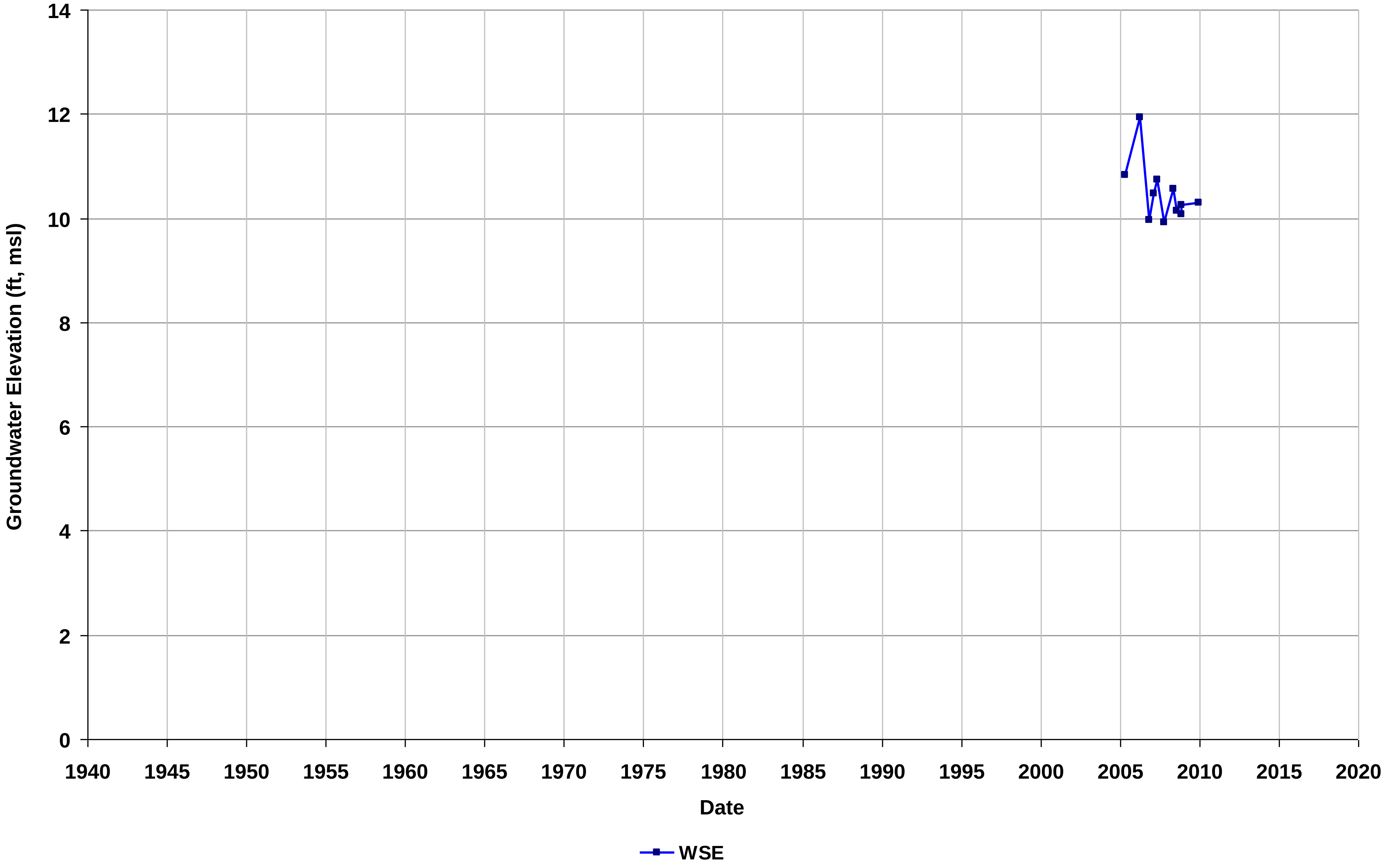
Well Name: SL18233651-F15
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 7-22
T/R/S: n/a
Well Use: Observation



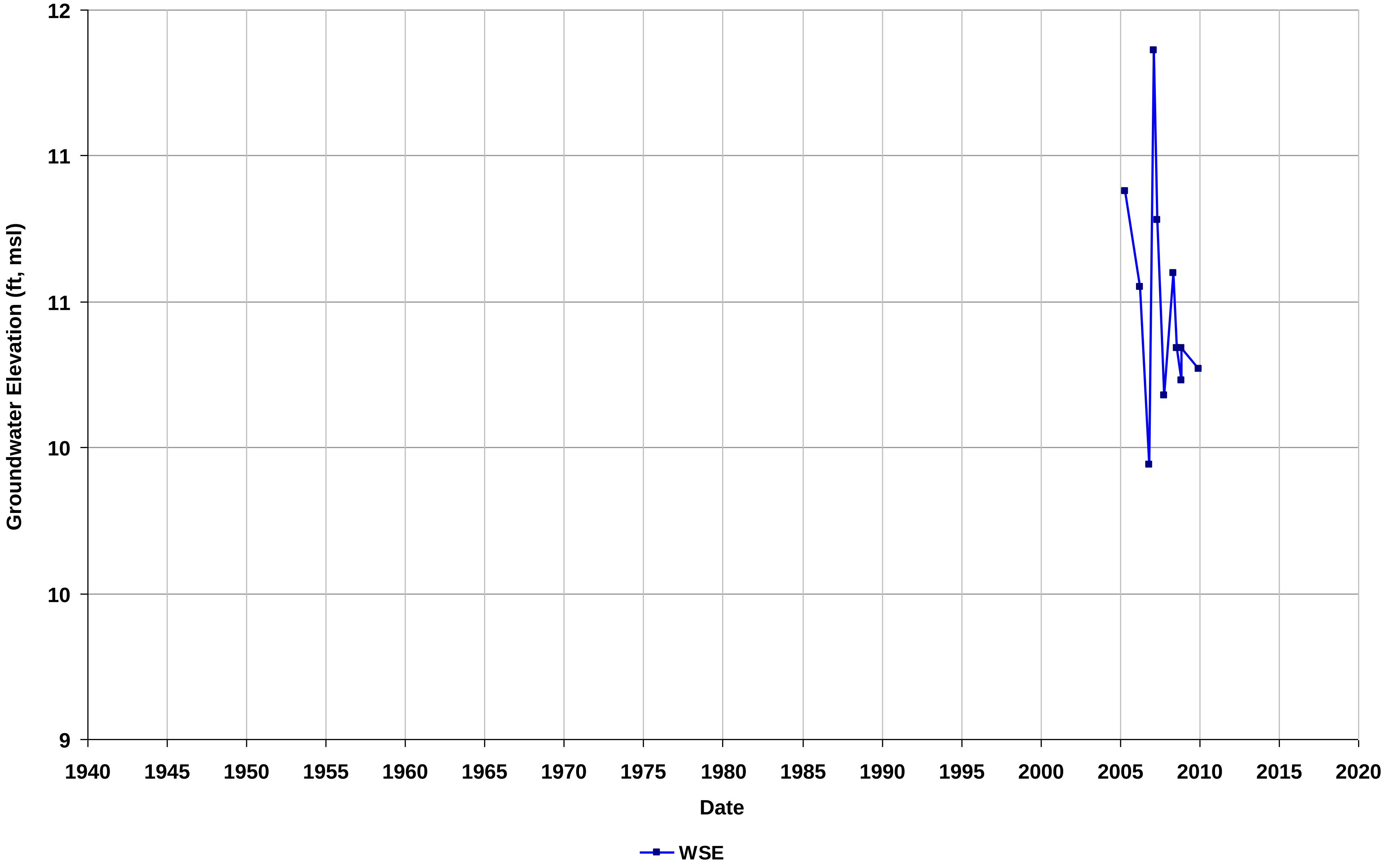
Well Name: SL18233651-F5
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-25
T/R/S: n/a
Well Use: Observation



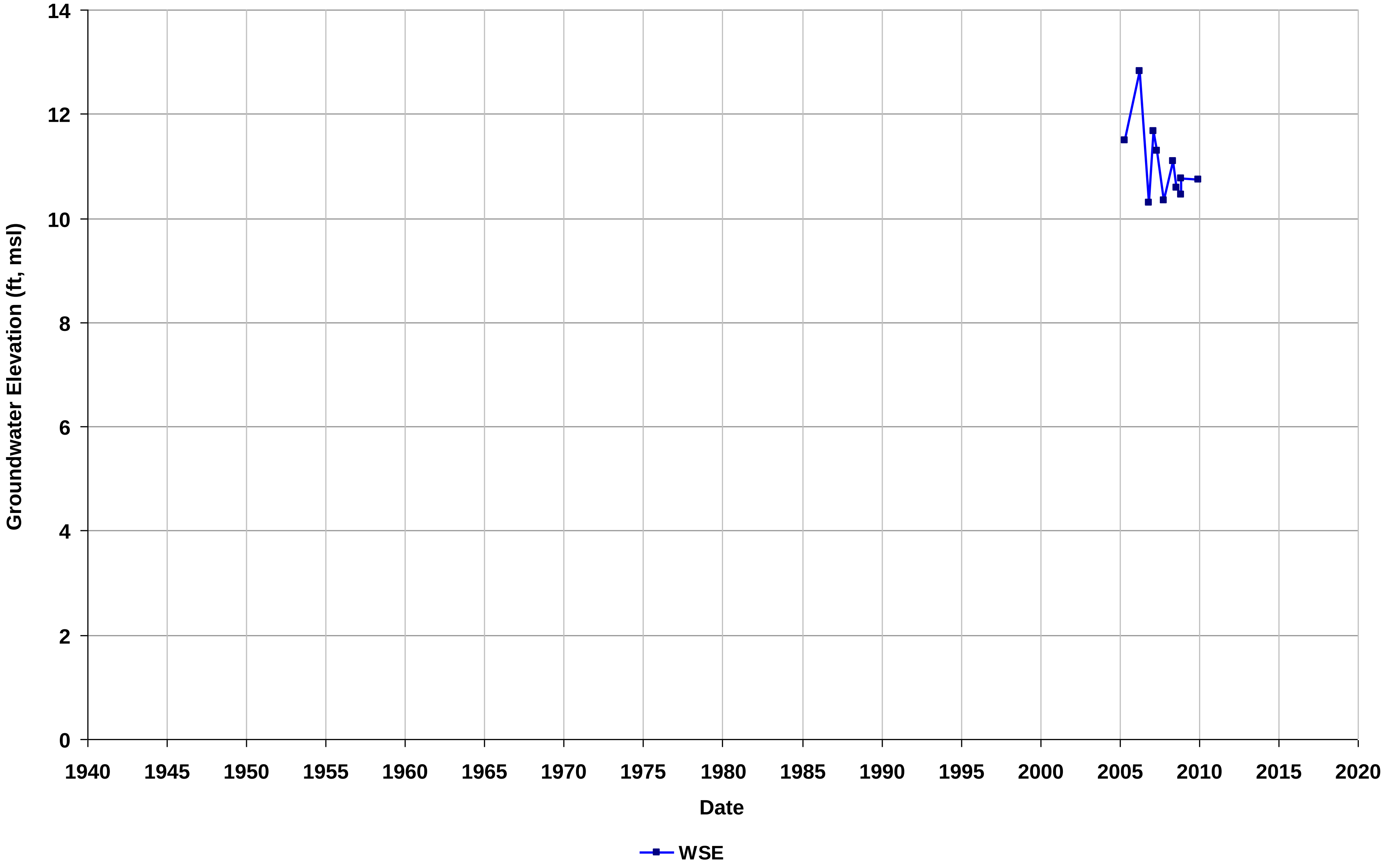
Well Name: SL18233651-F8
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-25
T/R/S: n/a
Well Use: Observation



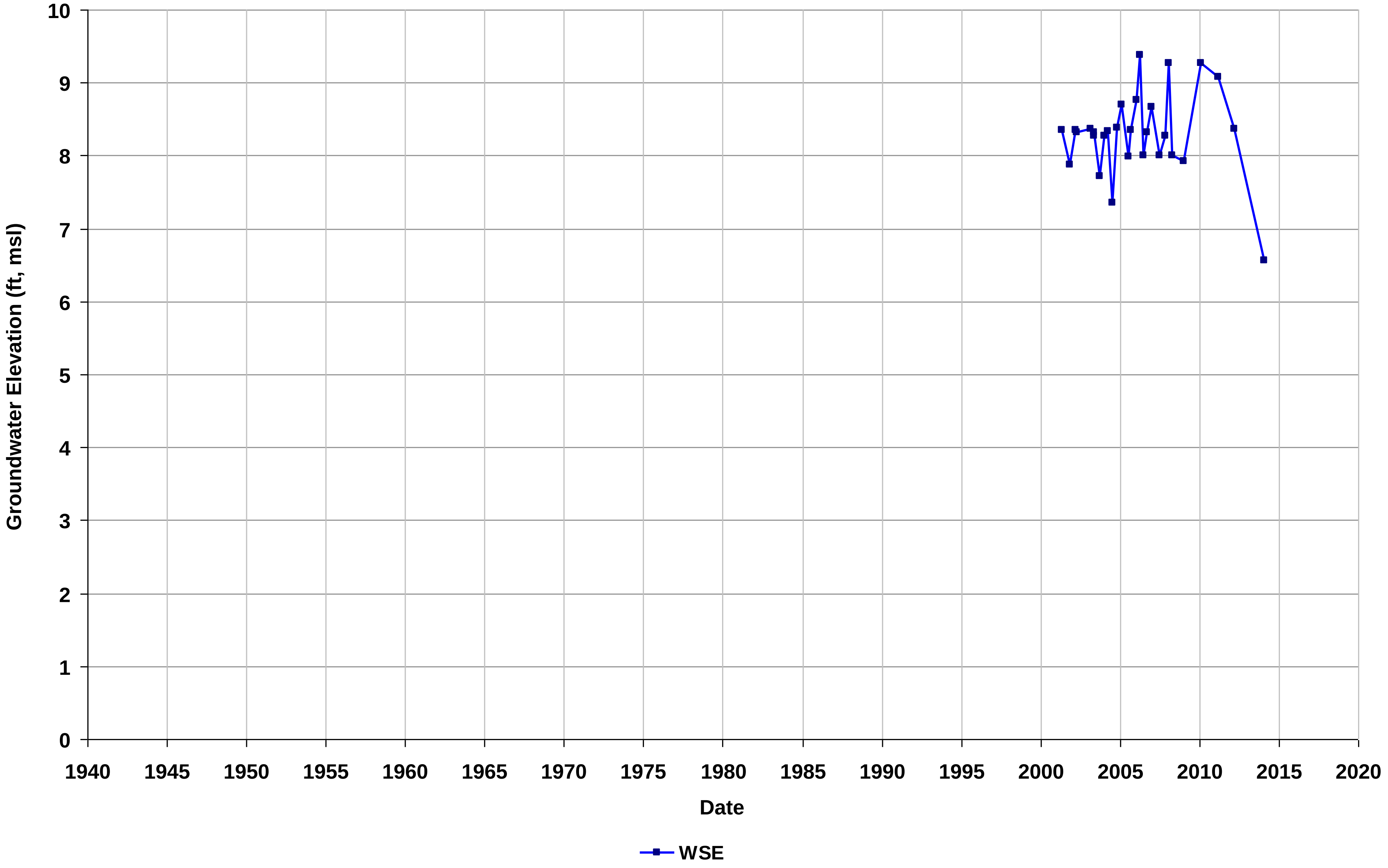
Well Name: SL18233651-F9
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-25
T/R/S: n/a
Well Use: Observation



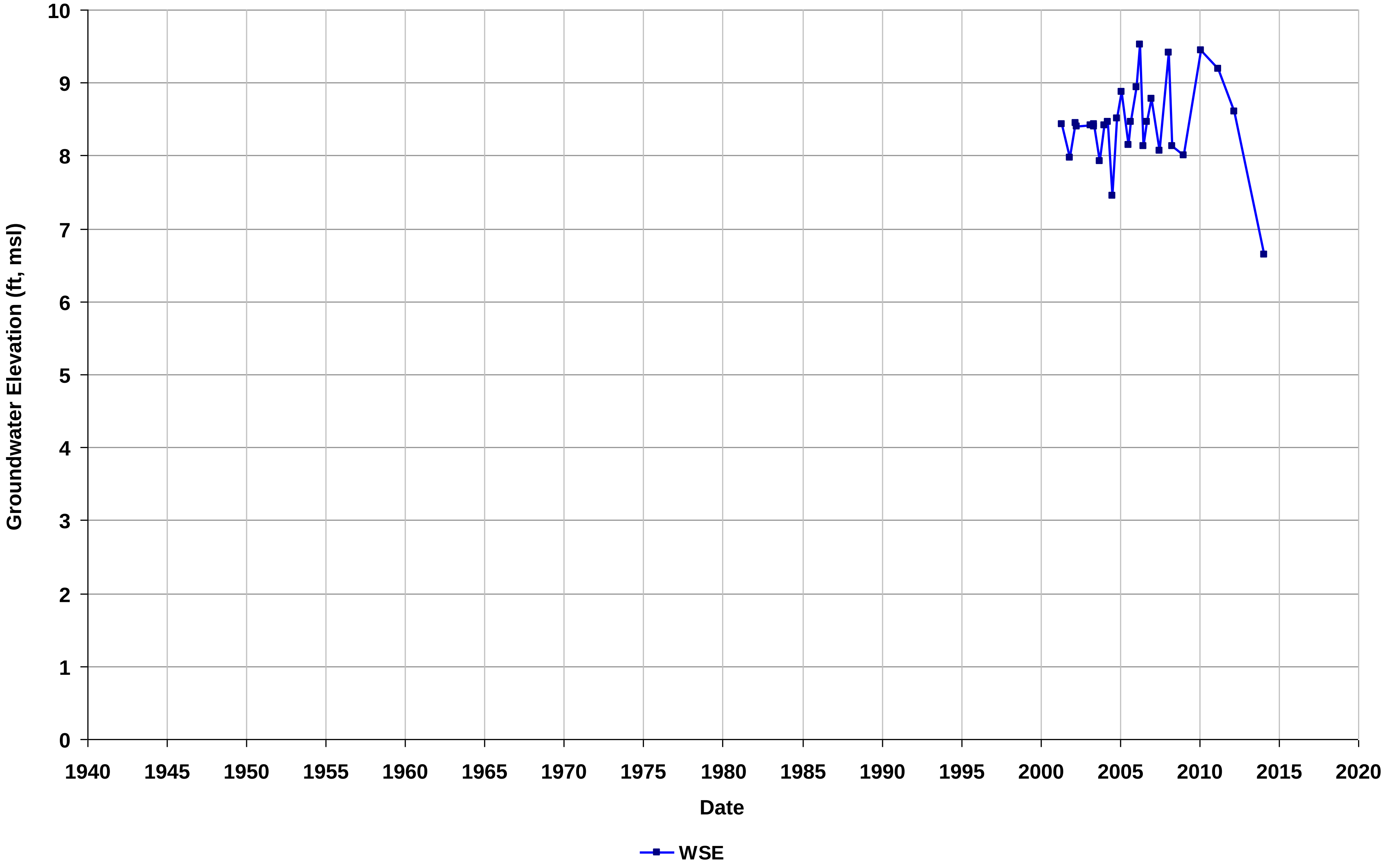
Well Name: SL1823K1135-MW-1
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 10-25
T/R/S: 04S/02W/26
Well Use: Observation



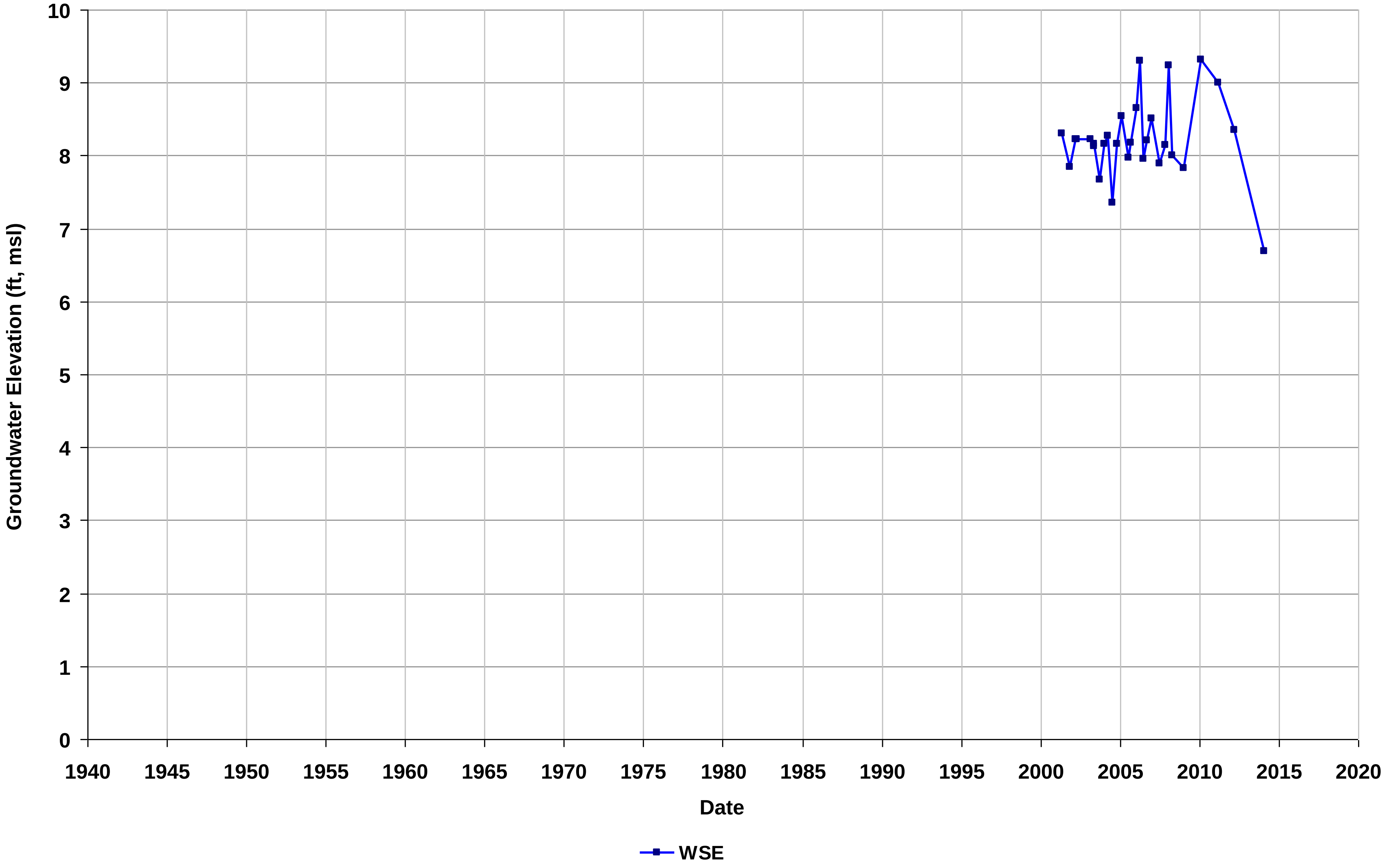
Well Name: SL1823K1135-MW-2
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 10-25
T/R/S: 04S/02W/26
Well Use: Observation



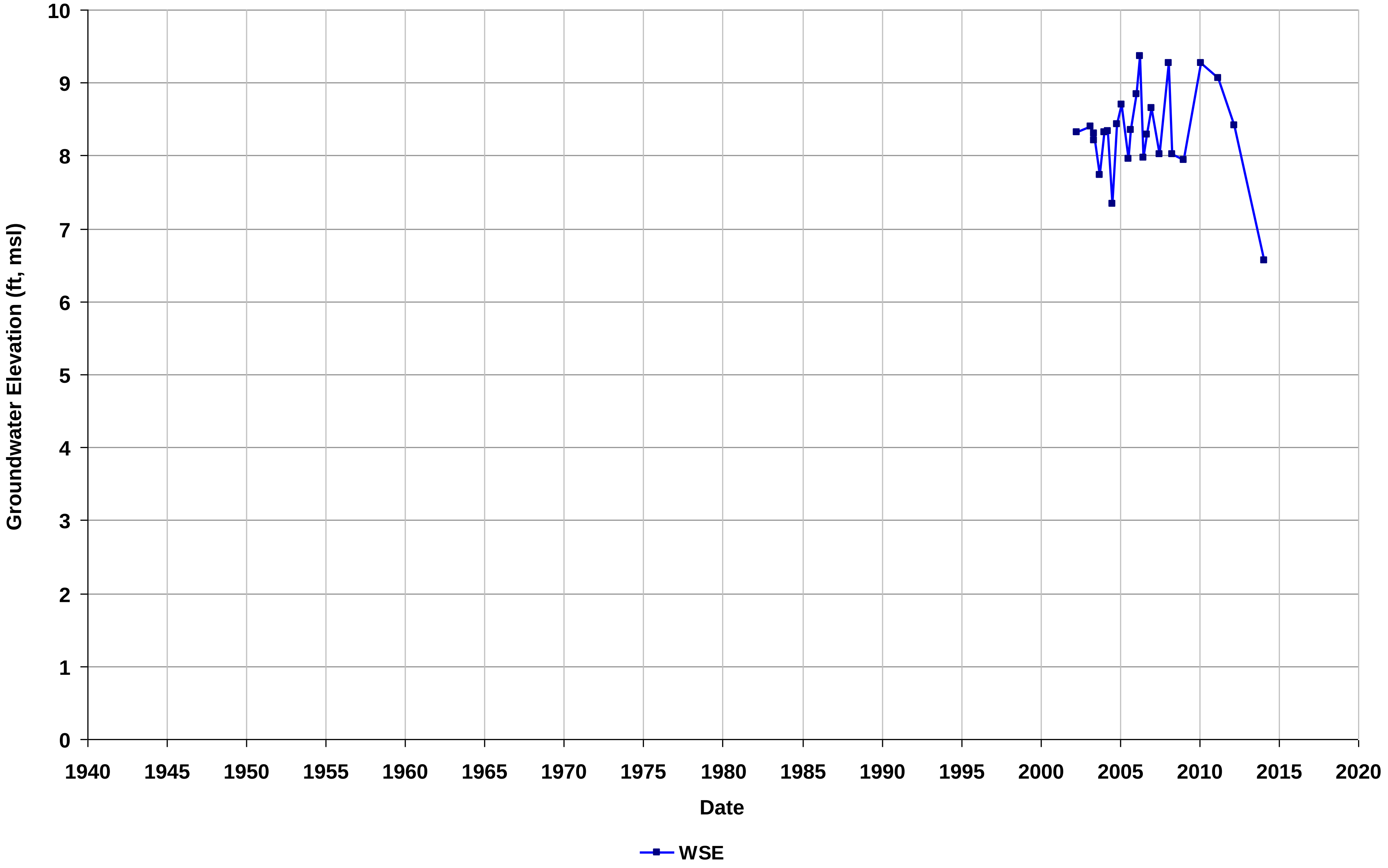
Well Name: SL1823K1135-MW-3
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 10-25
T/R/S: 04S/02W/26
Well Use: Observation



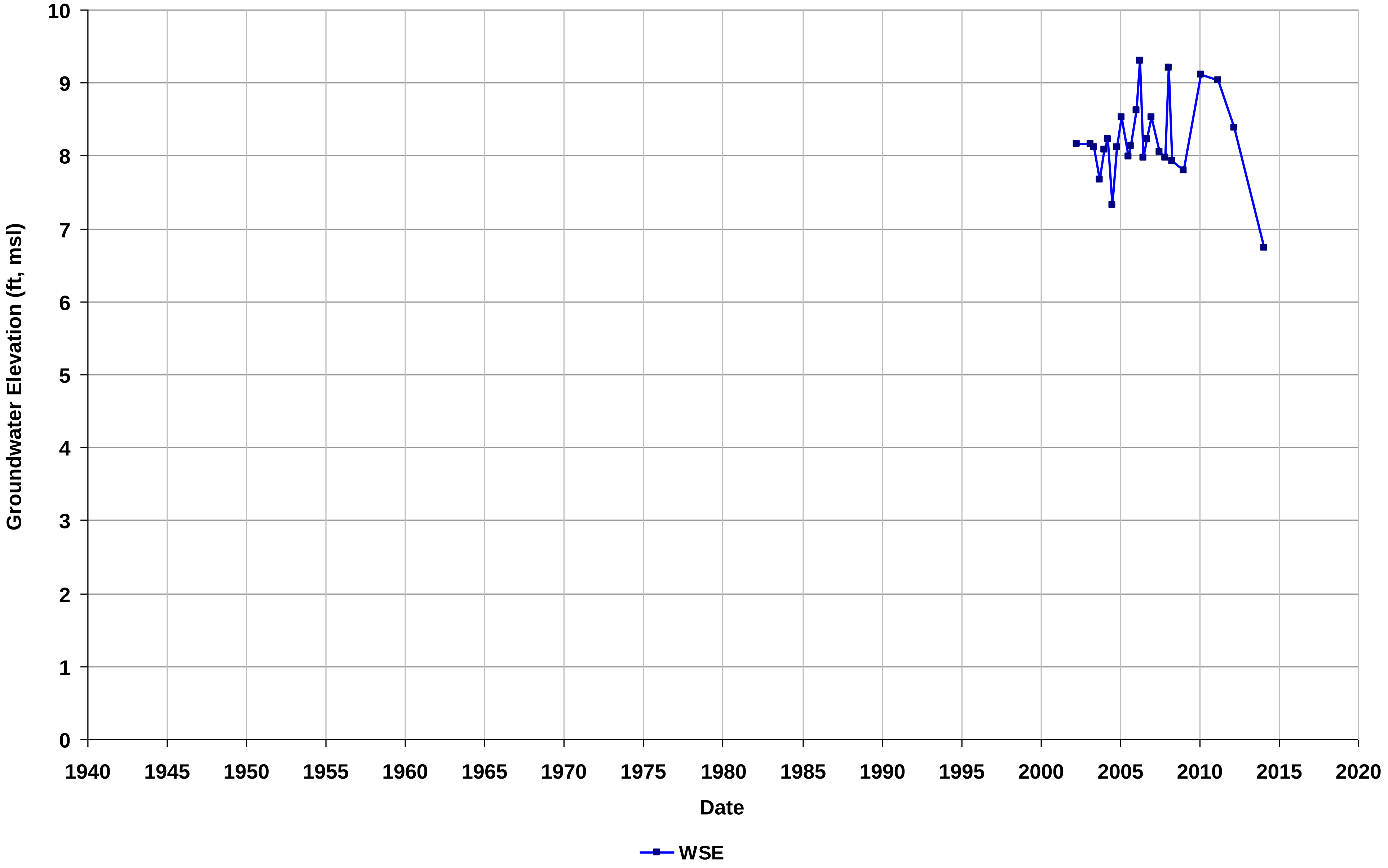
Well Name: SL1823K1135-MW-4
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 10-25
T/R/S: 04S/02W/26
Well Use: Observation



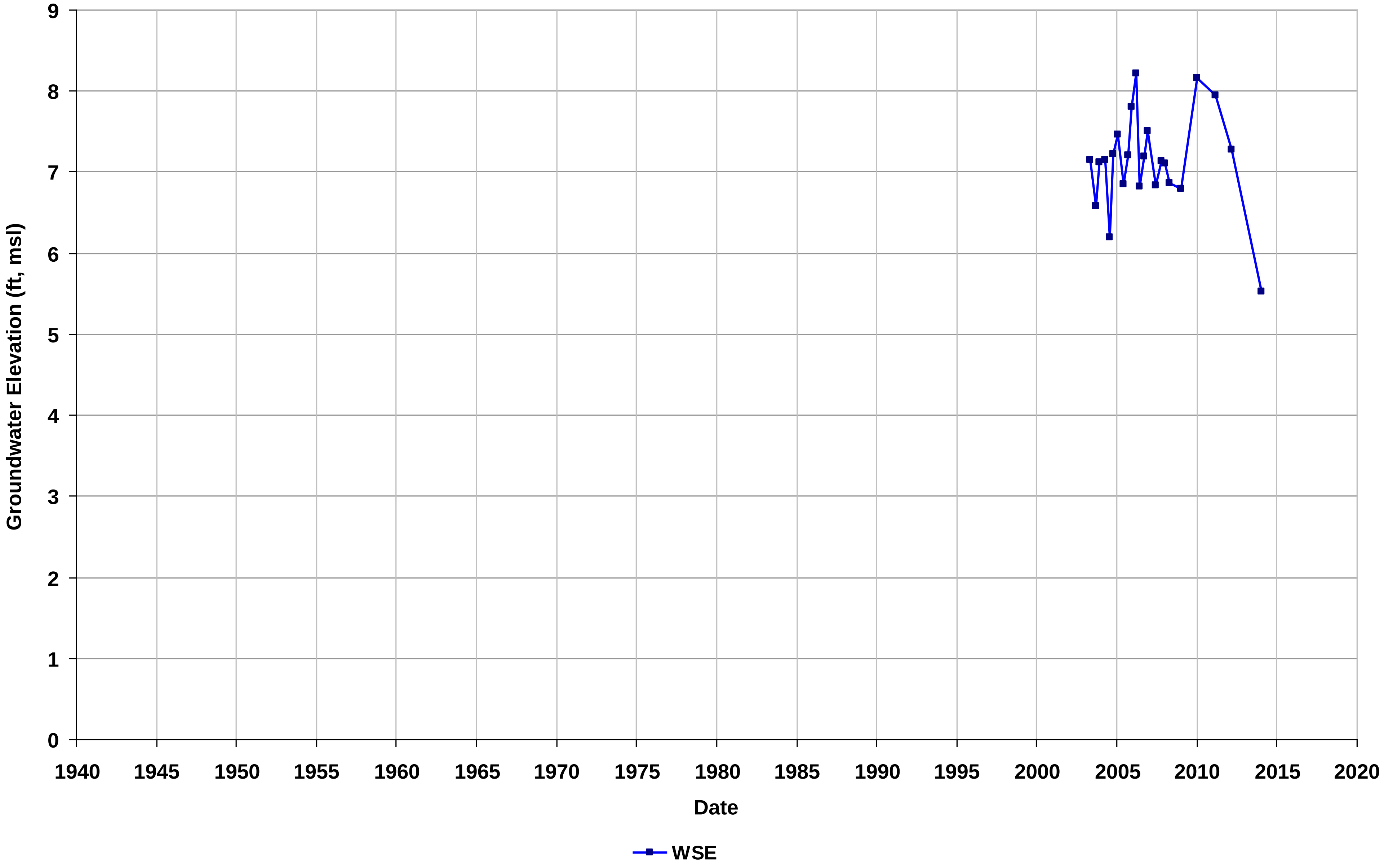
Well Name: SL1823K1135-MW-5
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 10-25
T/R/S: 04S/02W/26
Well Use: Observation



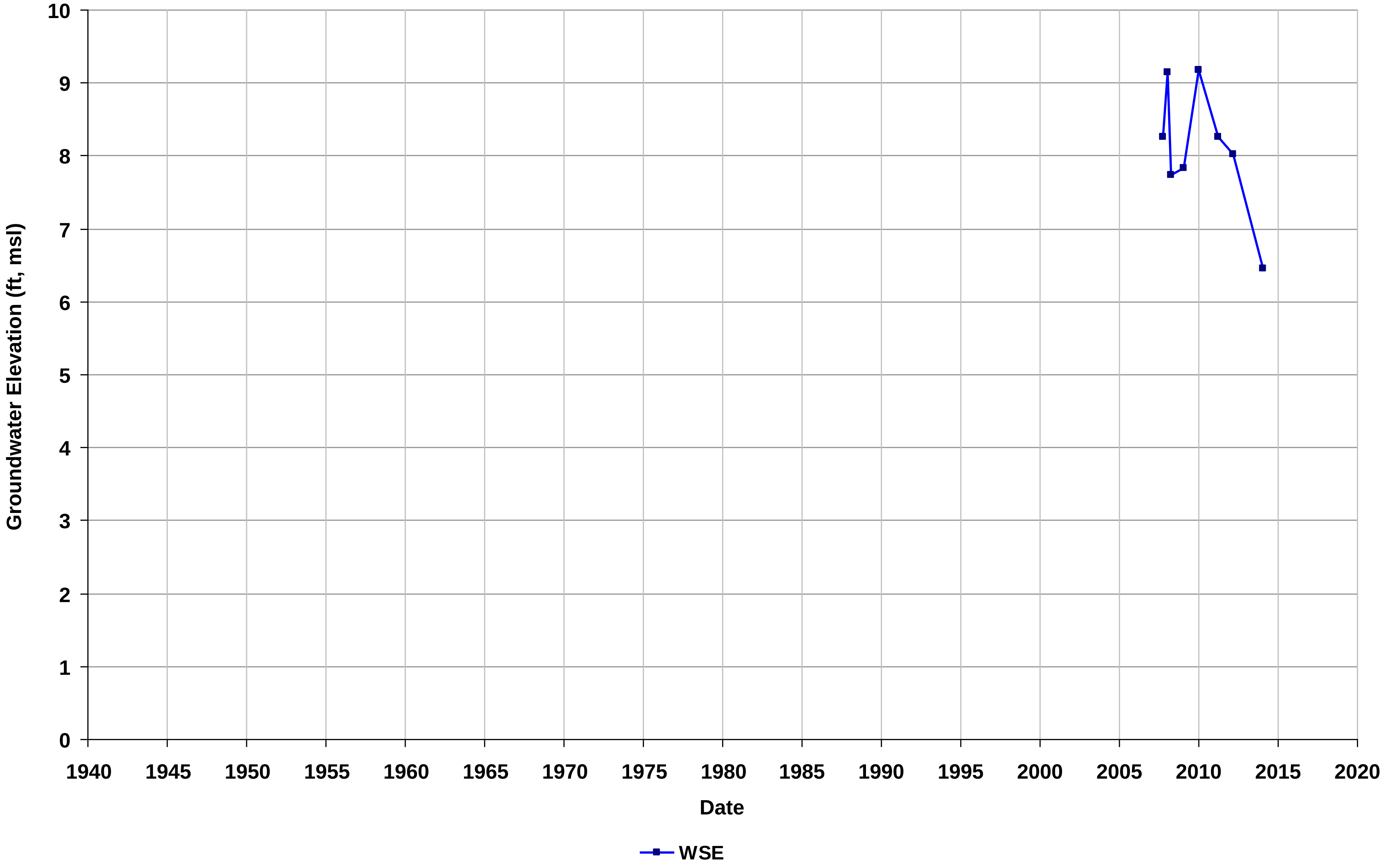
Well Name: SL1823K1135-MW-6
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 10-25
T/R/S: 04S/02W/26
Well Use: Observation



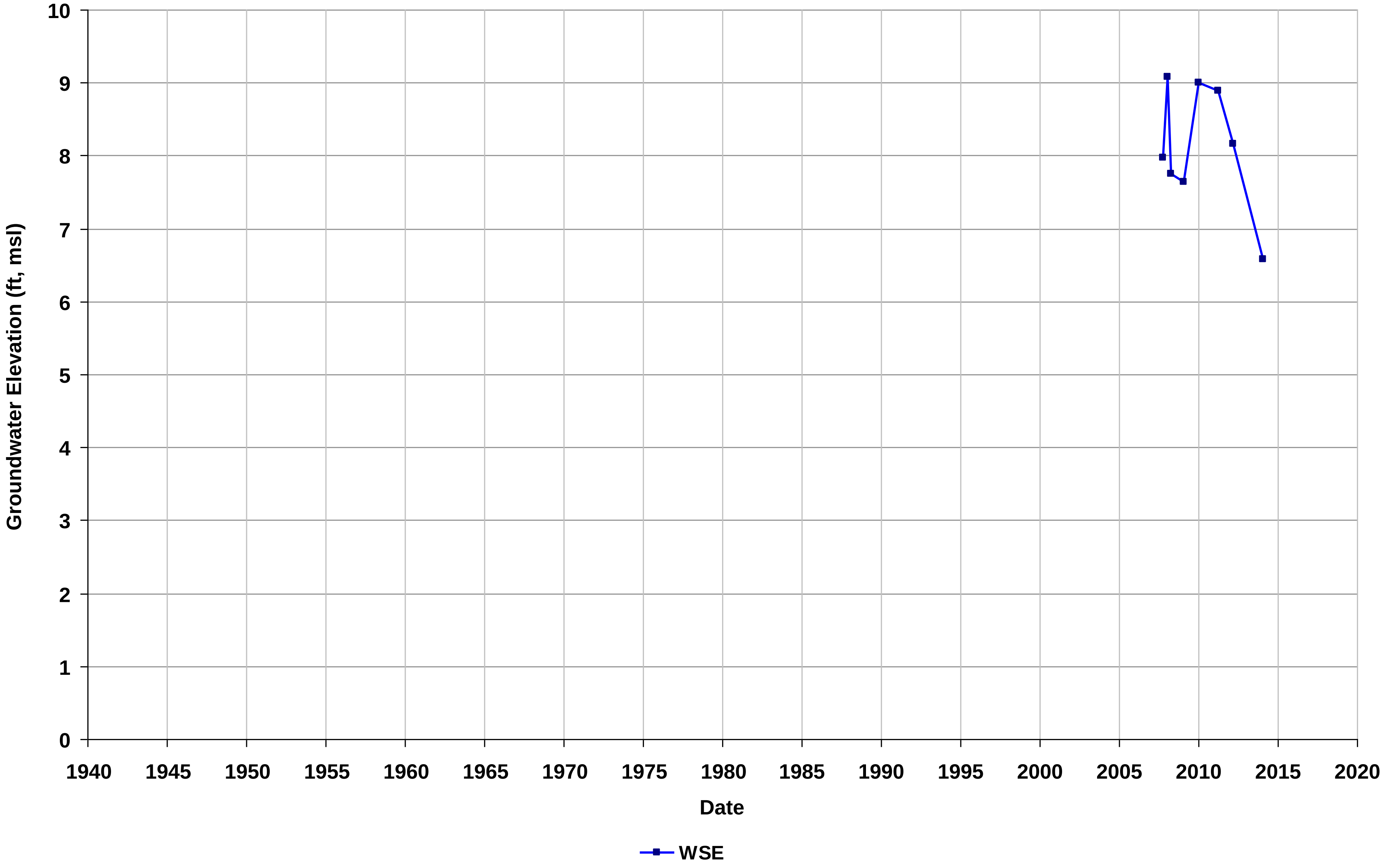
Well Name: SL1823K1135-MW-7
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 10-25
T/R/S: 04S/02W/26
Well Use: Observation



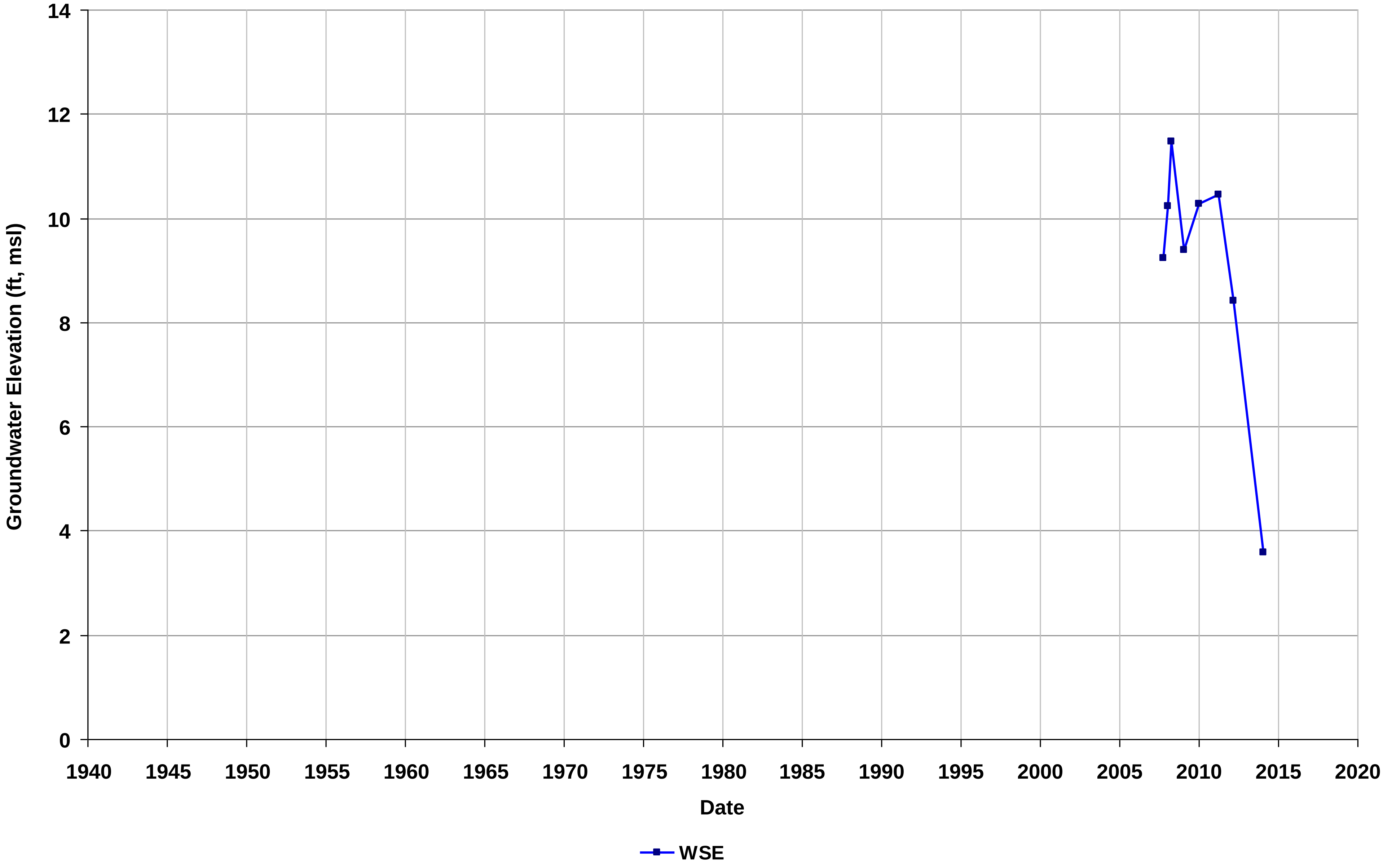
Well Name: SL1823K1135-MW-8
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 10-25
T/R/S: 04S/02W/26
Well Use: Observation



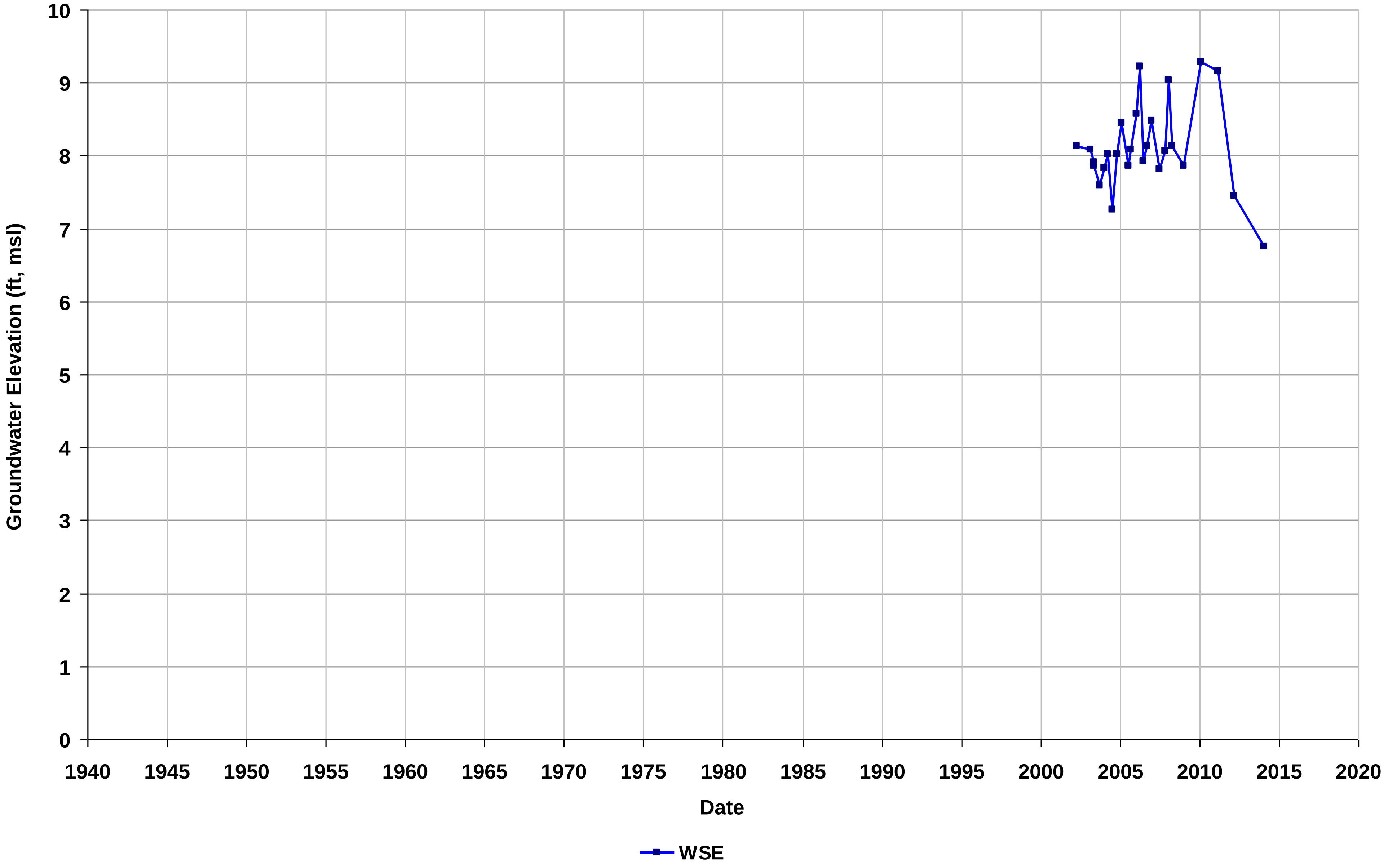
Well Name: SL1823K1135-MW-9
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 40-50
T/R/S: 04S/02W/26
Well Use: Observation



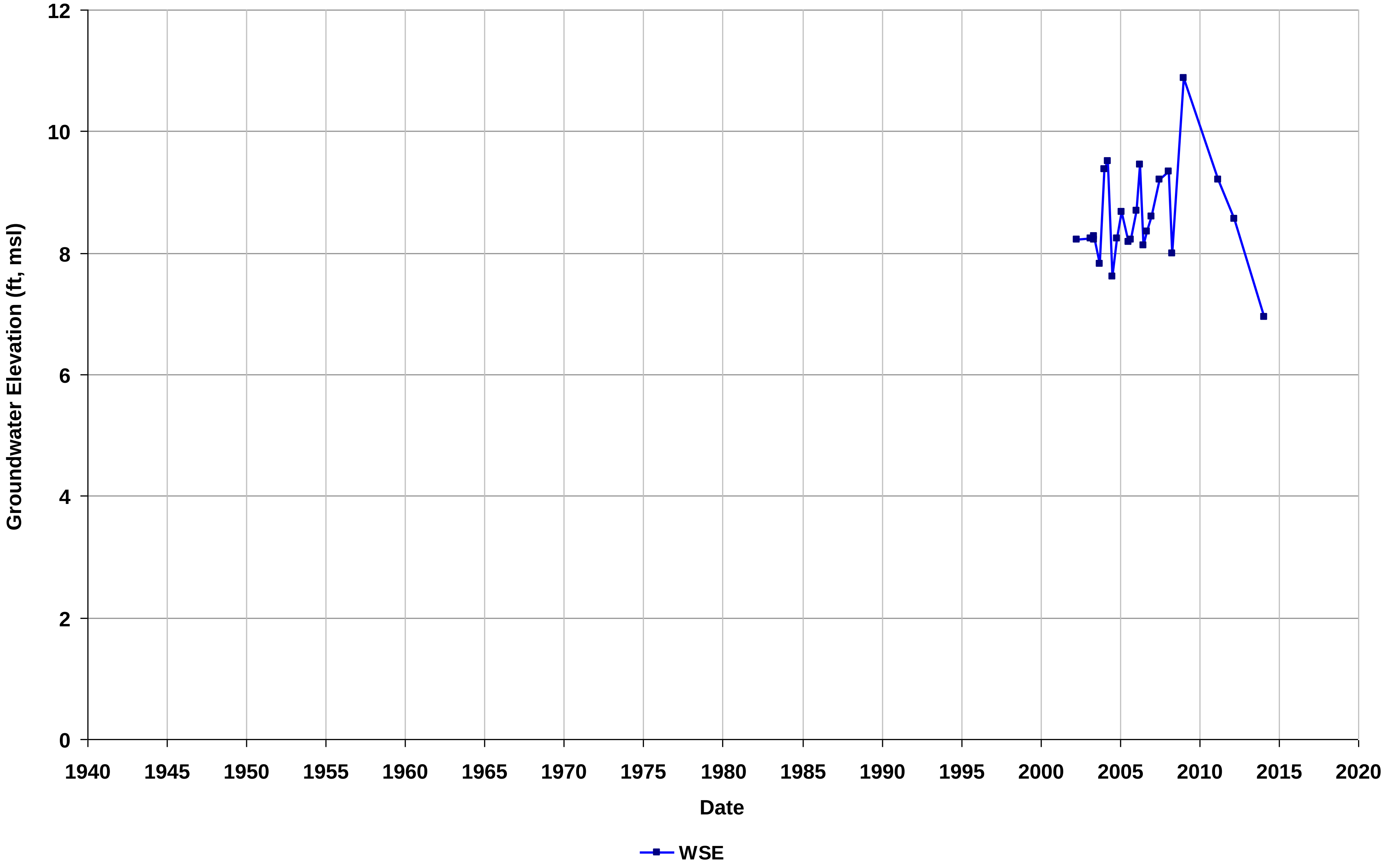
Well Name: SL1823K1135-RW-1
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 9-19
T/R/S: 04S/02W/26
Well Use: Observation



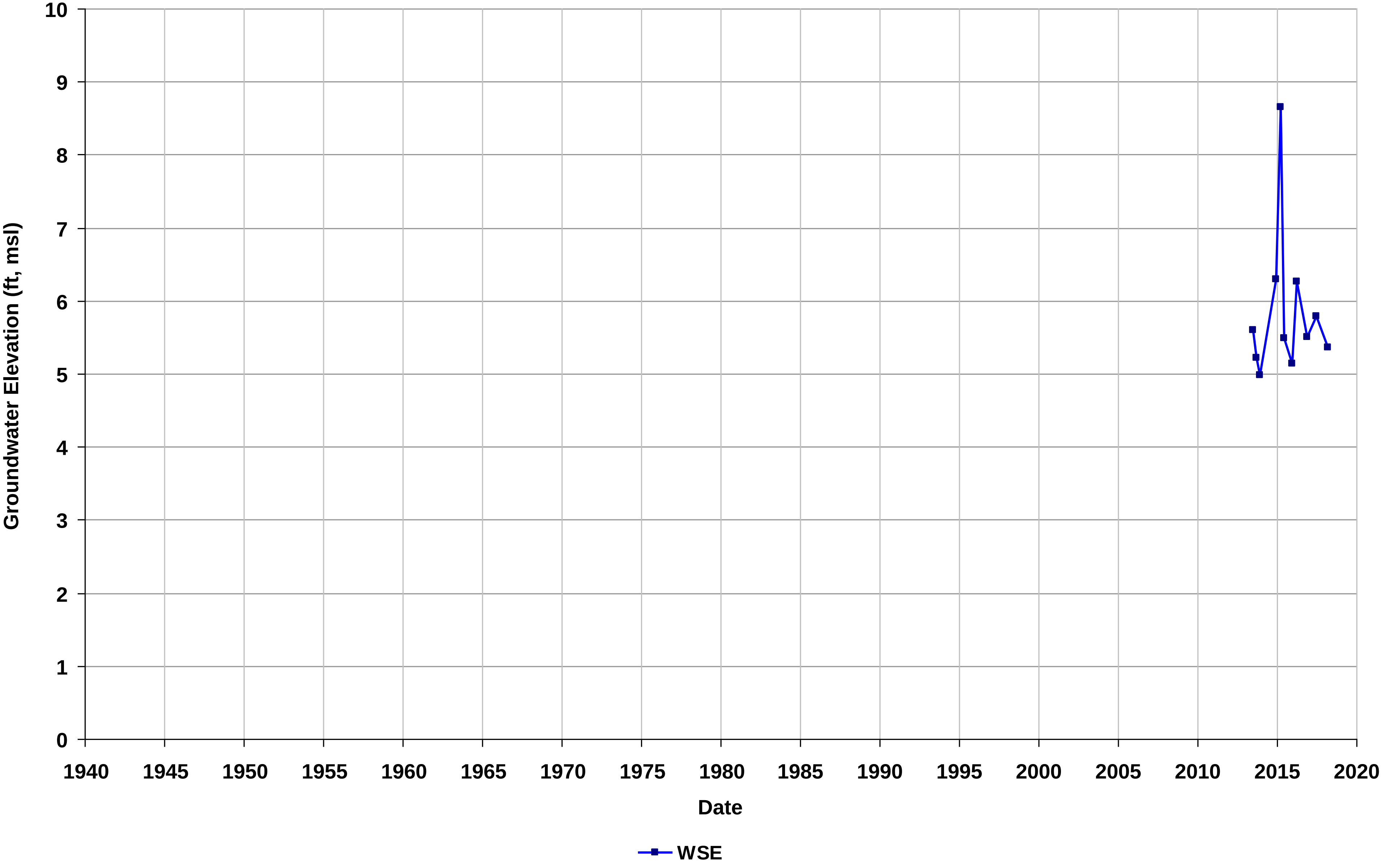
Well Name: SL1823K1135-RW-2
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 9-19
T/R/S: n/a
Well Use: Observation



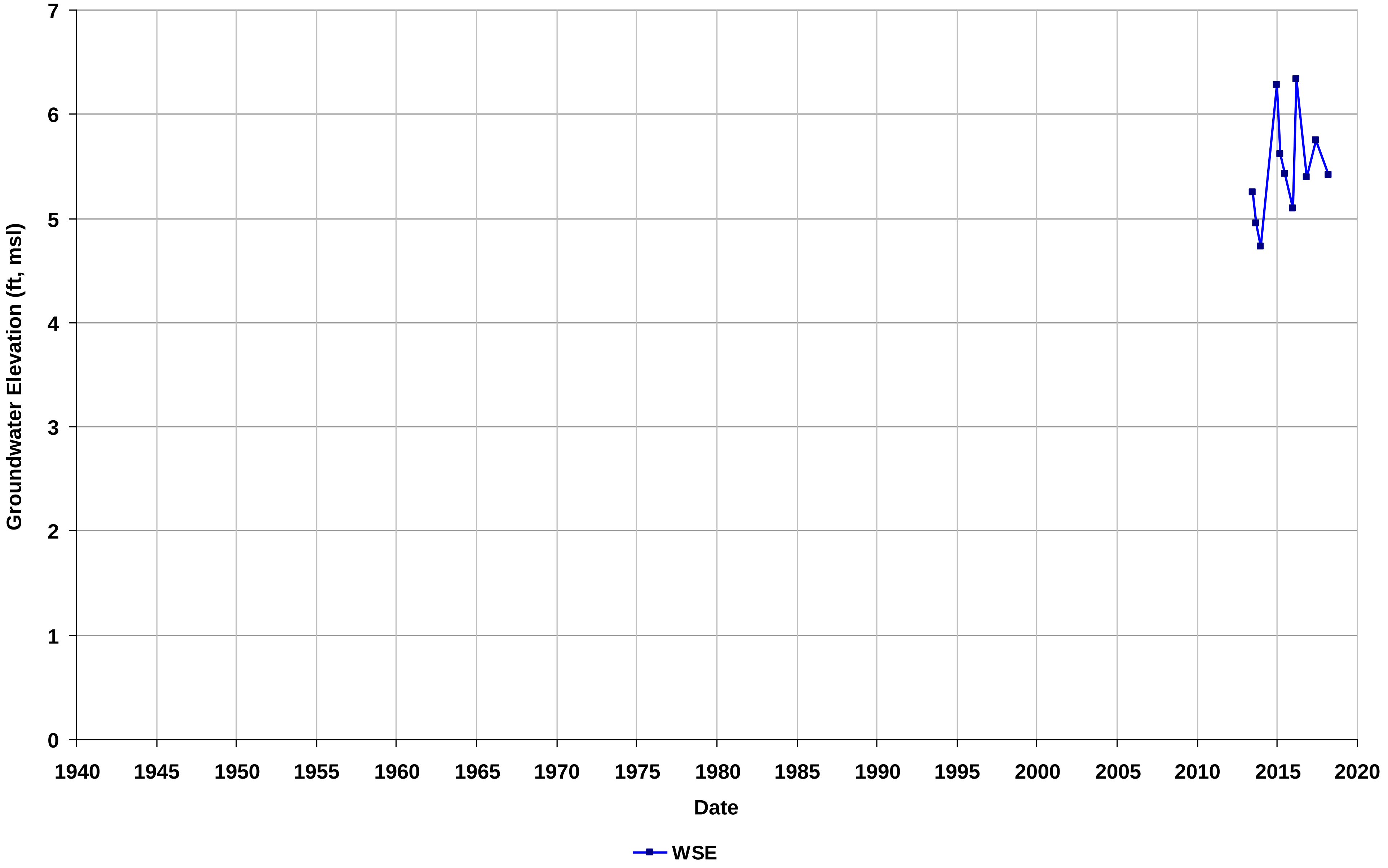
Well Name: SL1823N1137-MW-10
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 23
Perf. Interval (ft bgs): 22.33-46
T/R/S: 02S/03W/17
Well Use: Observation



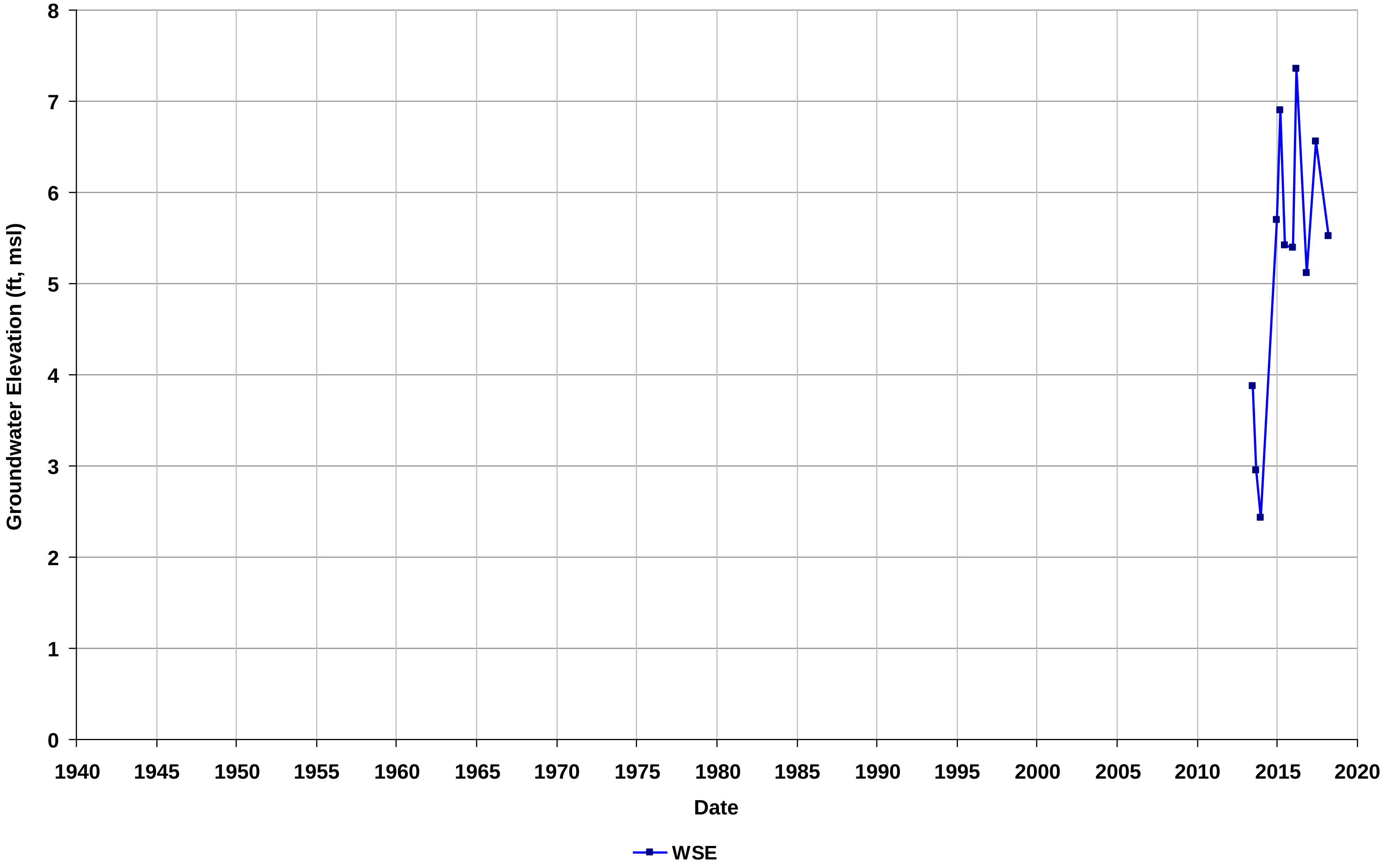
Well Name: SL1823N1137-MW-11
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 27
Perf. Interval (ft bgs): 5.33-21
T/R/S: 02S/03W/17
Well Use: Observation



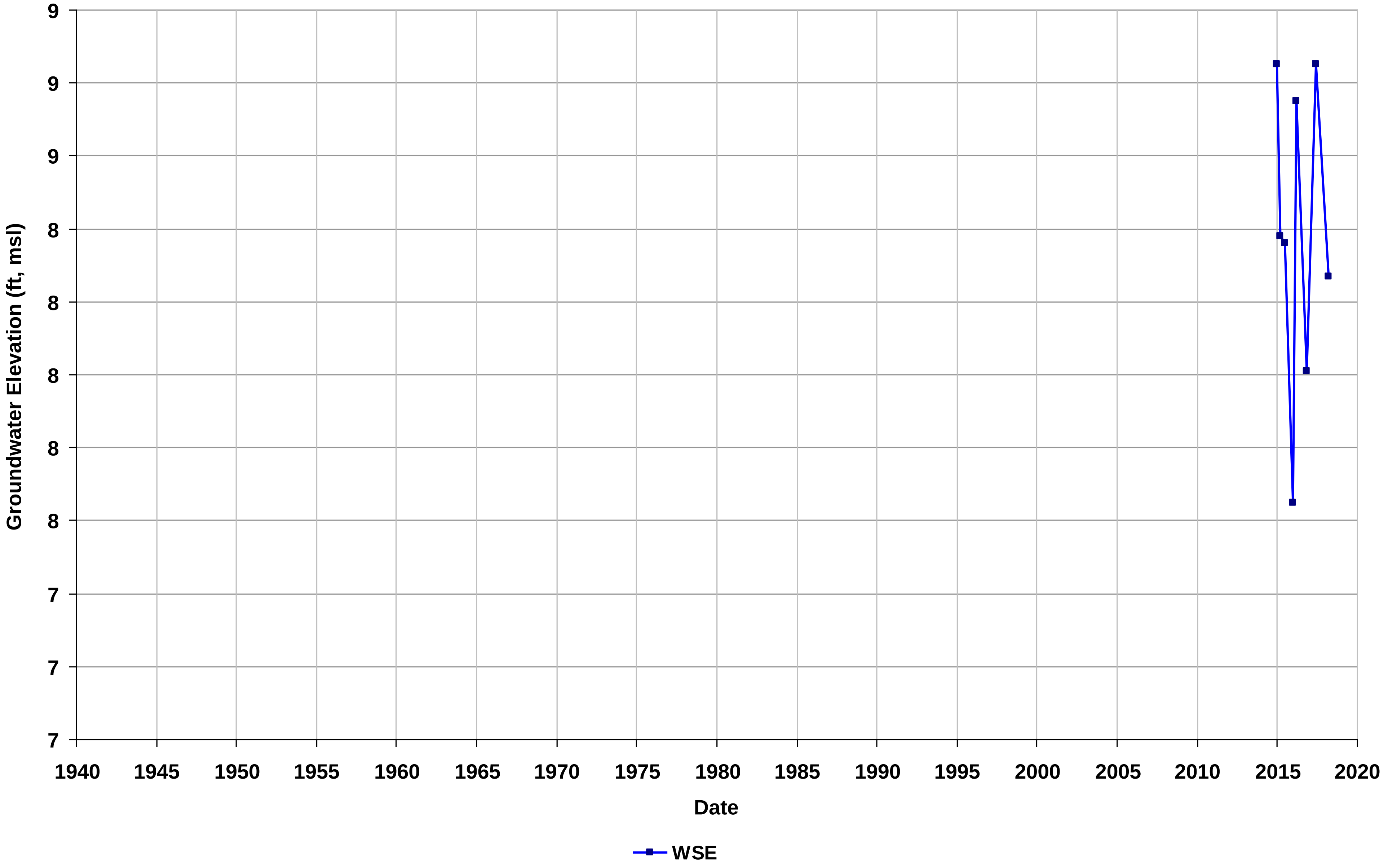
Well Name: SL1823N1137-MW-12
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 15
Perf. Interval (ft bgs):
T/R/S: 02S/03W/17
Well Use: Observation



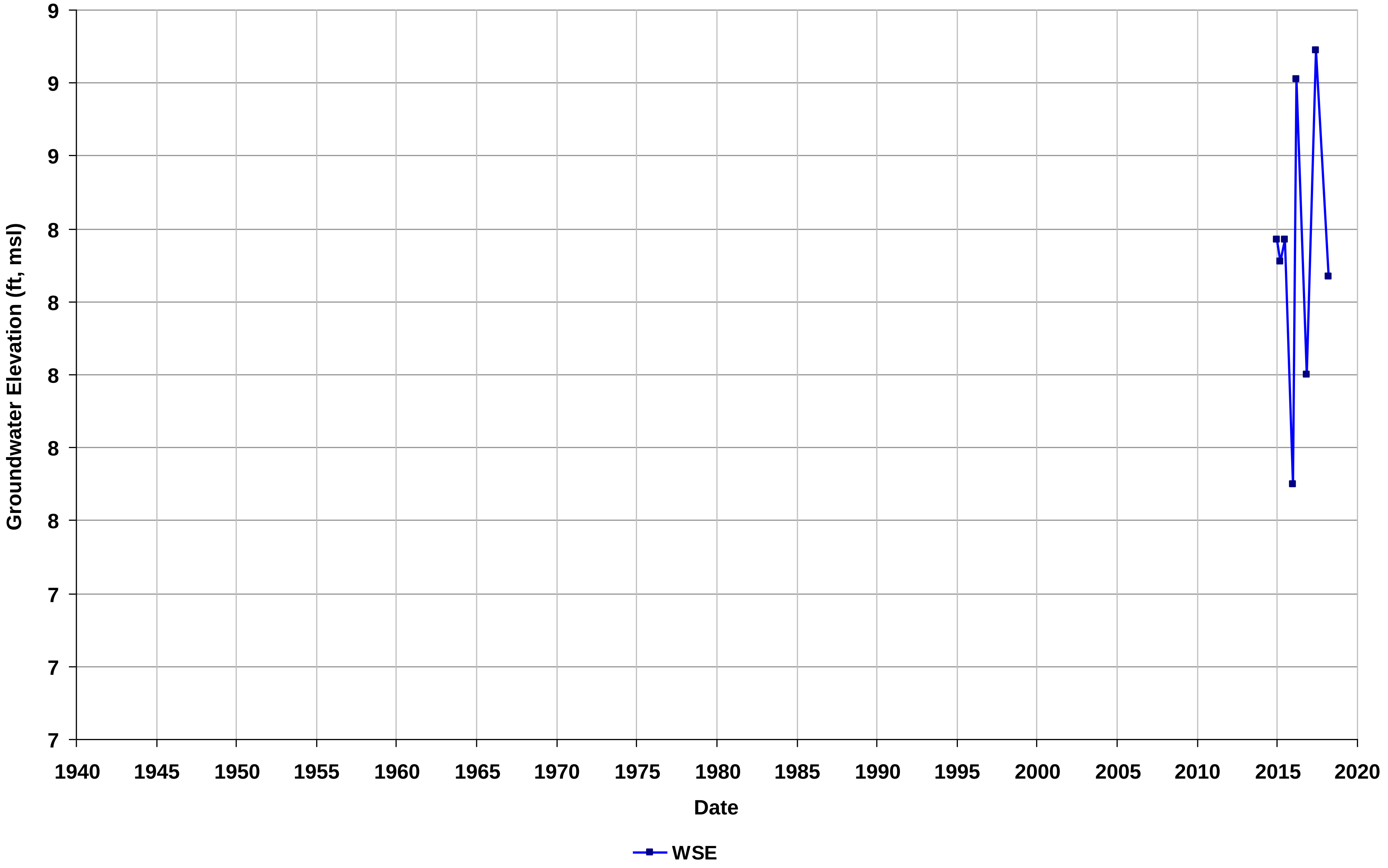
Well Name: SL1823N1137-MW-13
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 15
Perf. Interval (ft bgs):
T/R/S: 02S/03W/17
Well Use: Observation



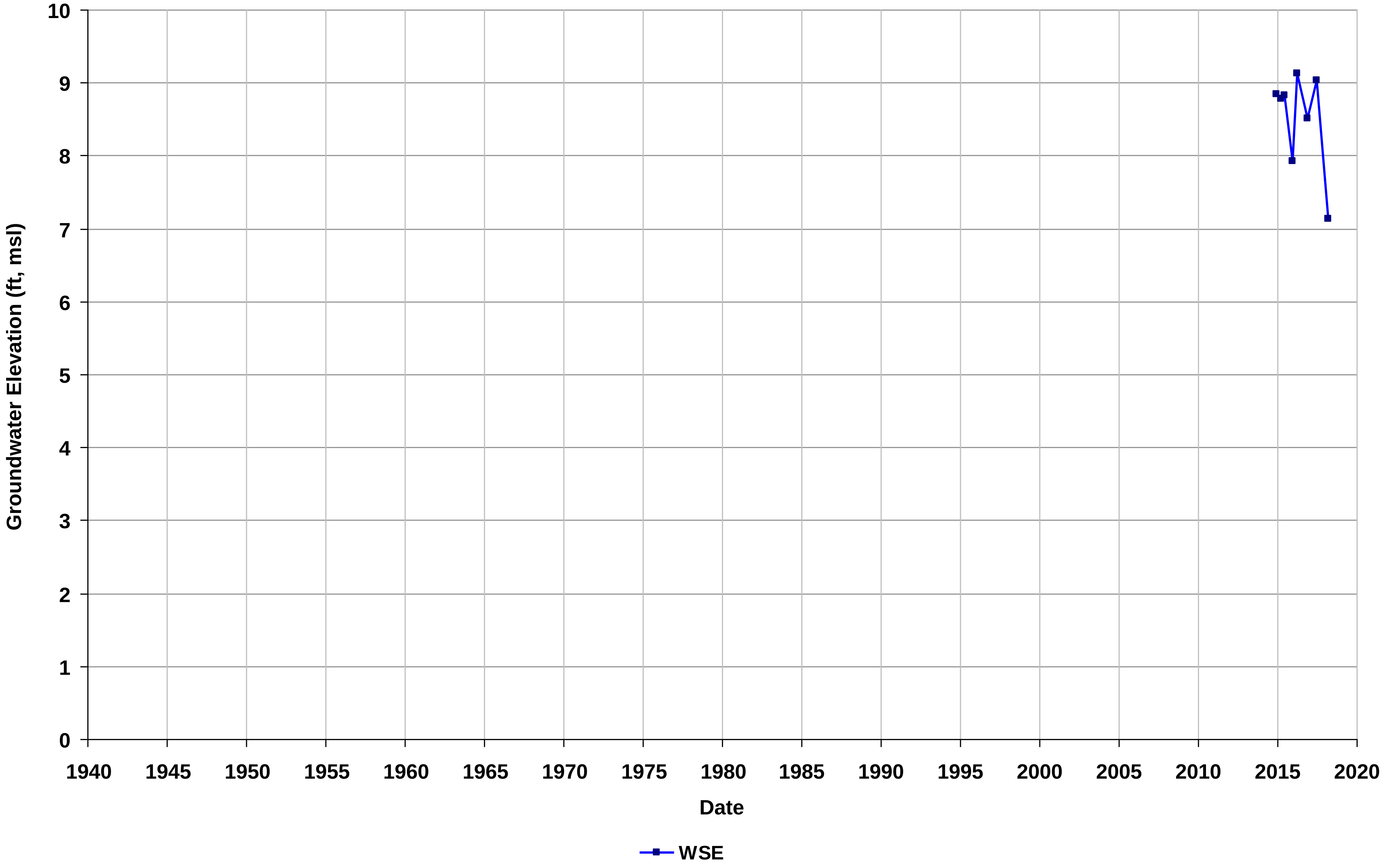
Well Name: SL1823N1137-MW-14
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 15
Perf. Interval (ft bgs):
T/R/S: 02S/03W/17
Well Use: Observation



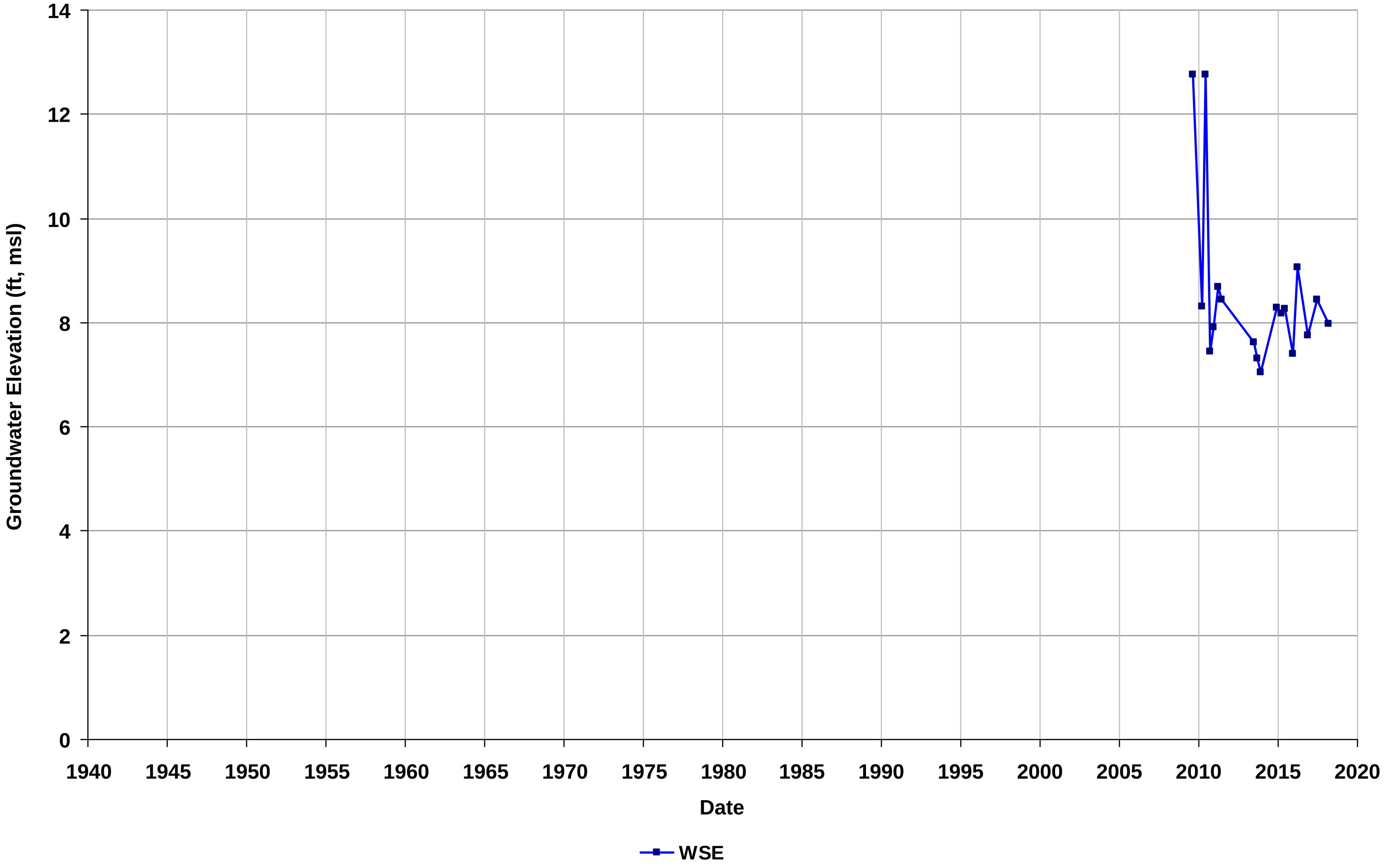
Well Name: SL1823N1137-MW-15
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 15
Perf. Interval (ft bgs):
T/R/S: 02S/03W/17
Well Use: Observation



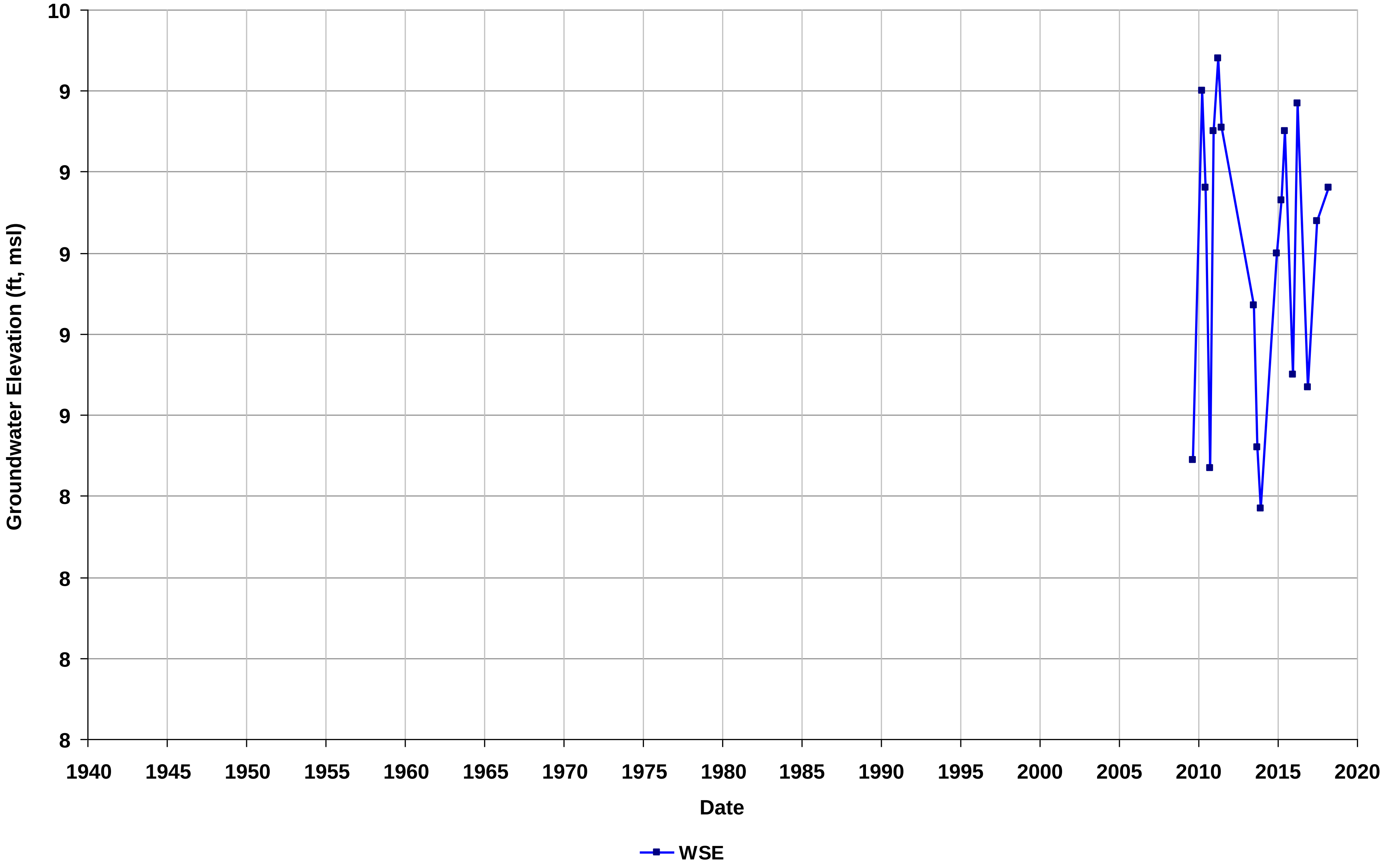
Well Name: SL1823N1137-MW-6
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 15
Perf. Interval (ft bgs):
T/R/S: 02S/03W/17
Well Use: Observation



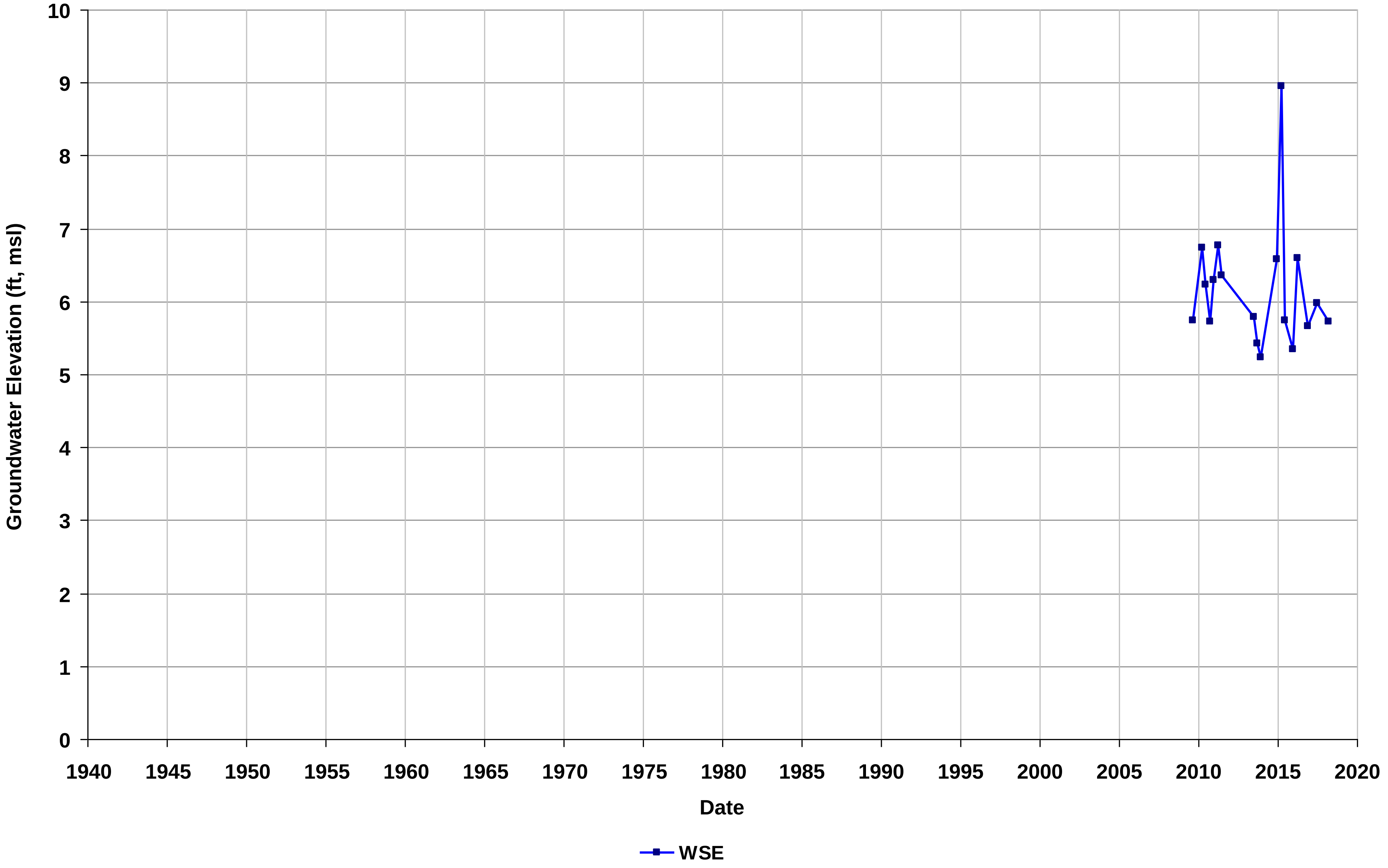
Well Name: SL1823N1137-MW-7
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 15
Perf. Interval (ft bgs):
T/R/S: 02S/03W/17
Well Use: Observation



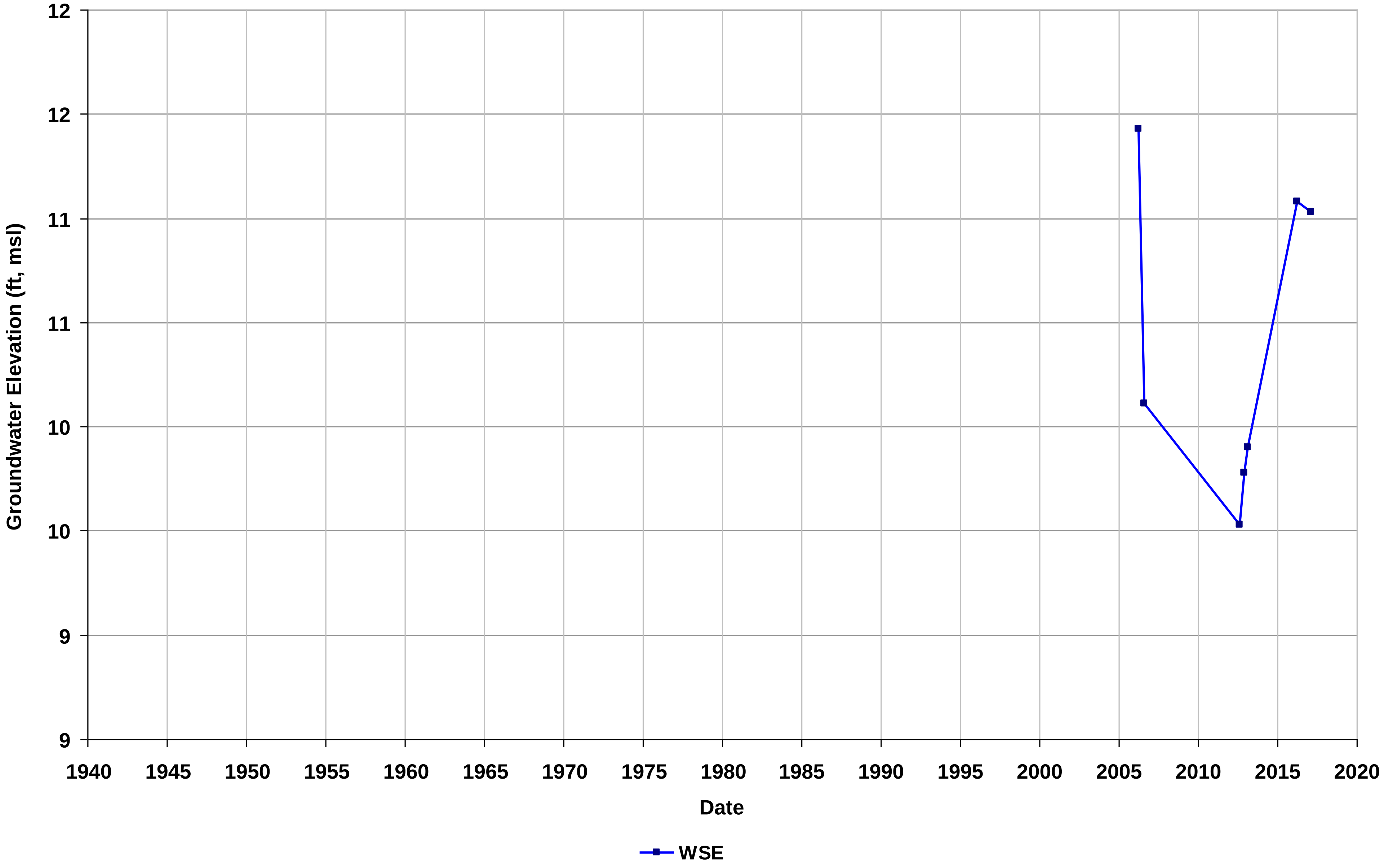
Well Name: SL1823N1137-MW-8
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 26
Perf. Interval (ft bgs): 4.73-15
T/R/S: 02S/03W/17
Well Use: Observation



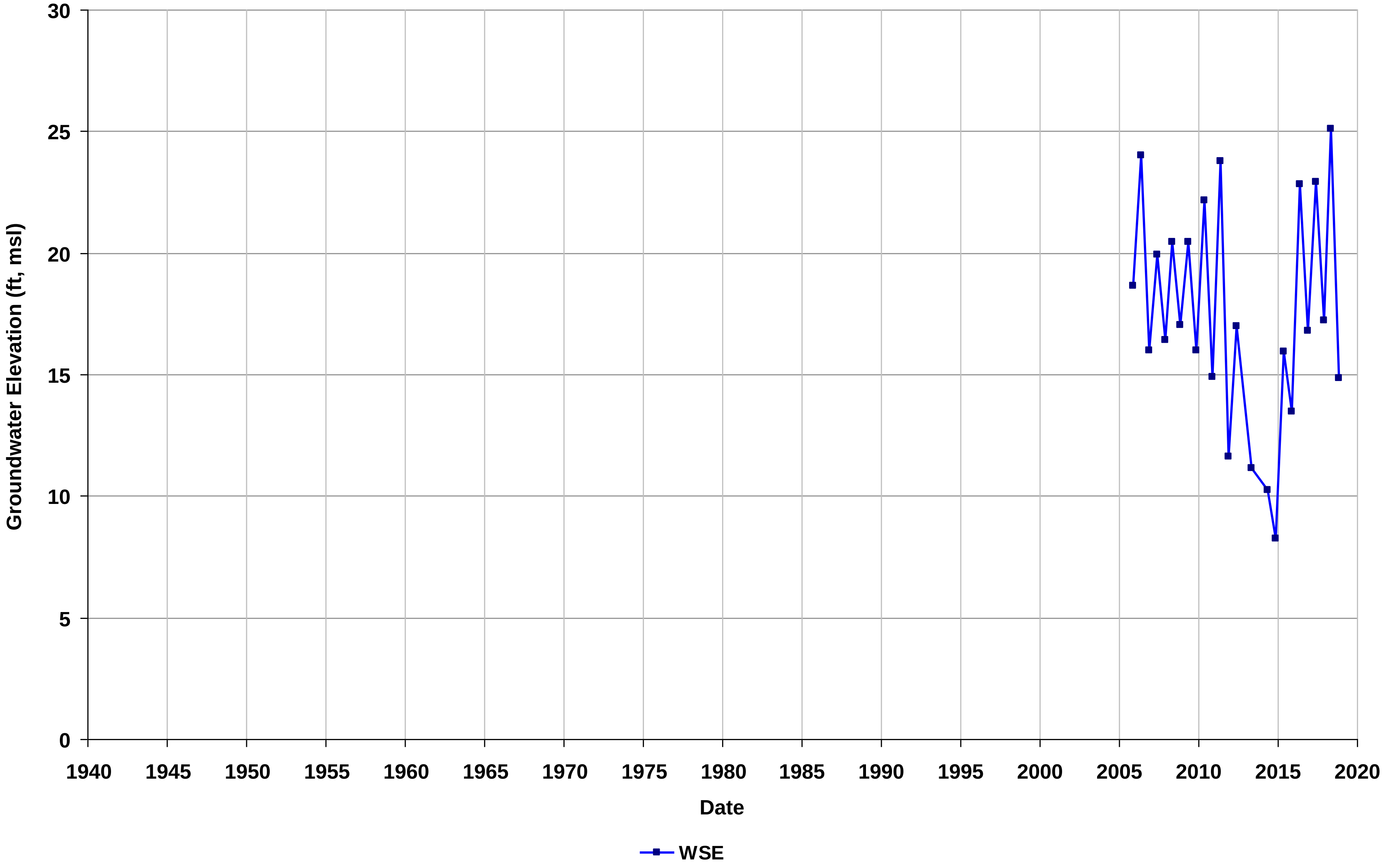
Well Name: SL1824Y1163-KMW-4
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 10-20
T/R/S: 03S/02W/34
Well Use: Observation



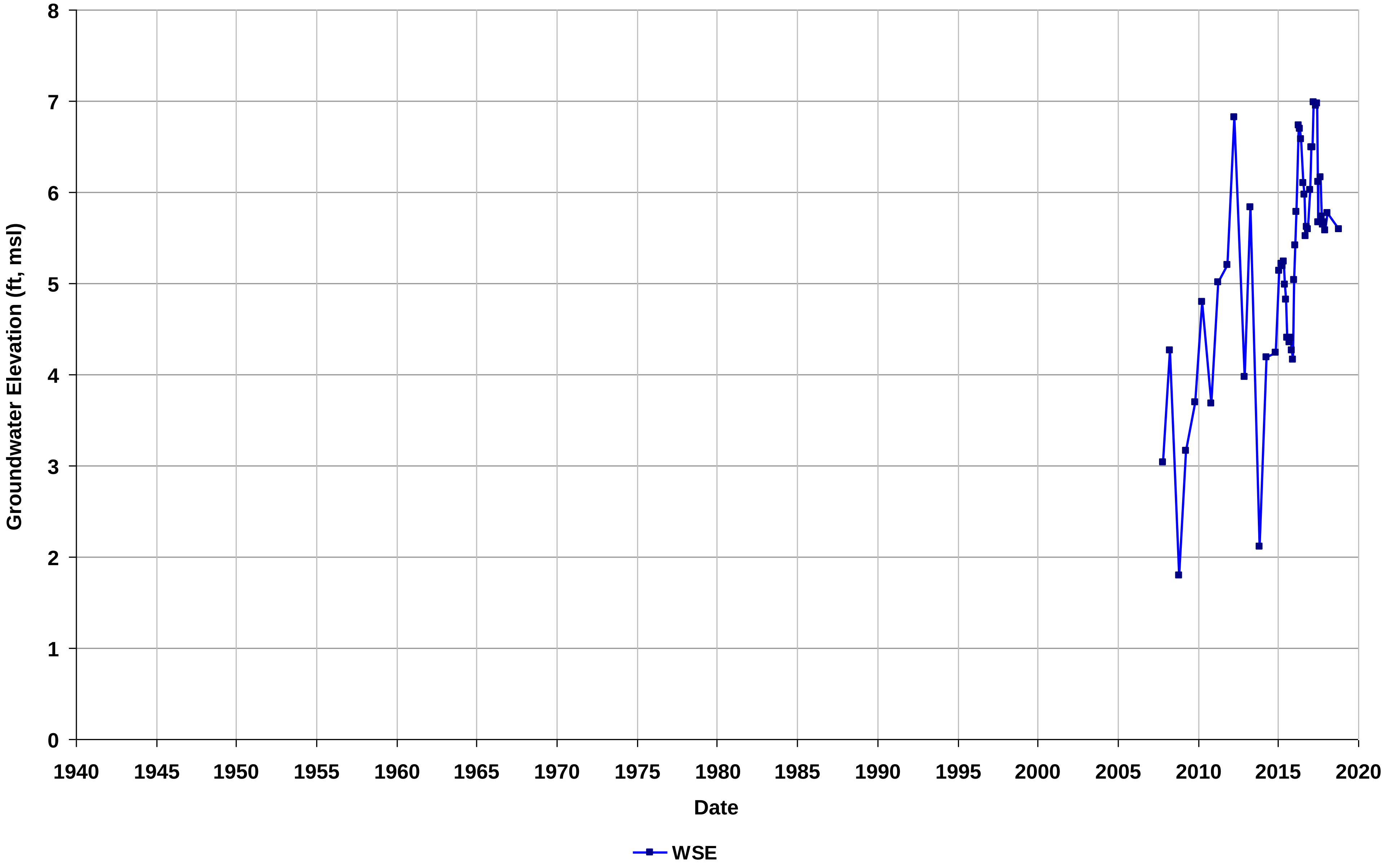
Well Name: SL18290711-OW-23
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 40-50
T/R/S: 04S/01W/07
Well Use: Observation



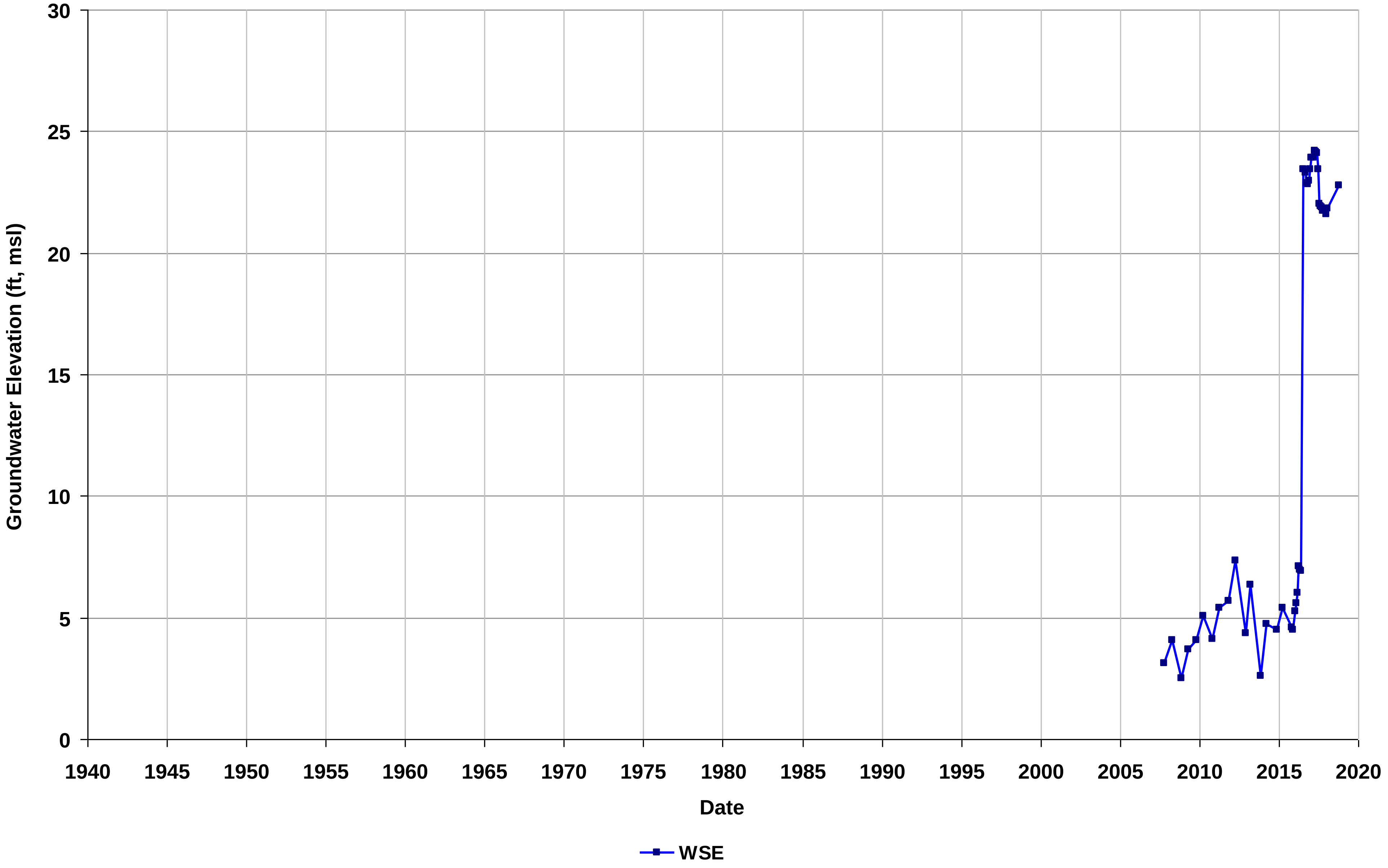
Well Name: SL18330750-MW-10
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 13.47-23
T/R/S: 02S/03W/08
Well Use: Observation



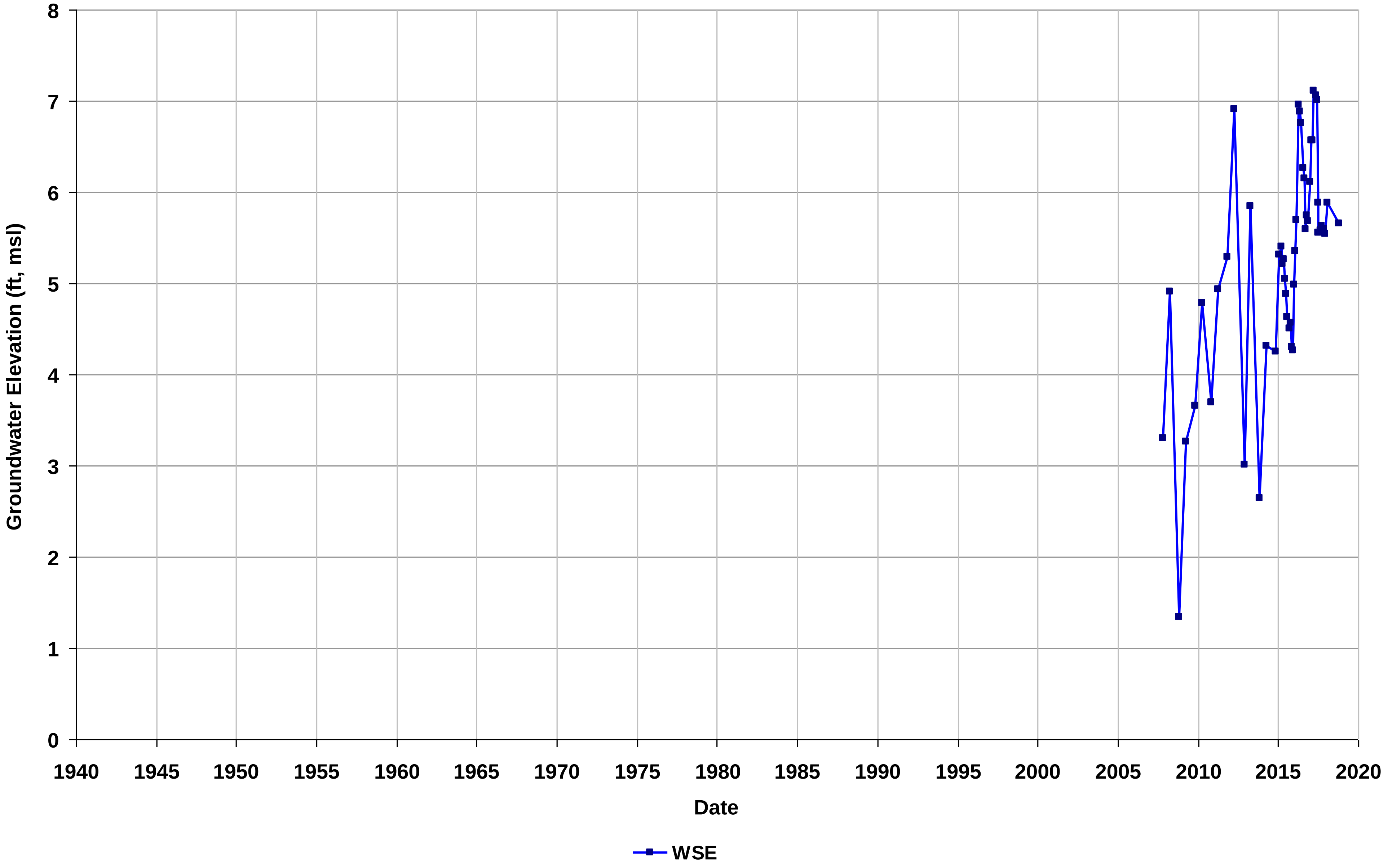
Well Name: SL18330750-MW-4
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 13.47-23
T/R/S: 02S/03W/08
Well Use: Observation



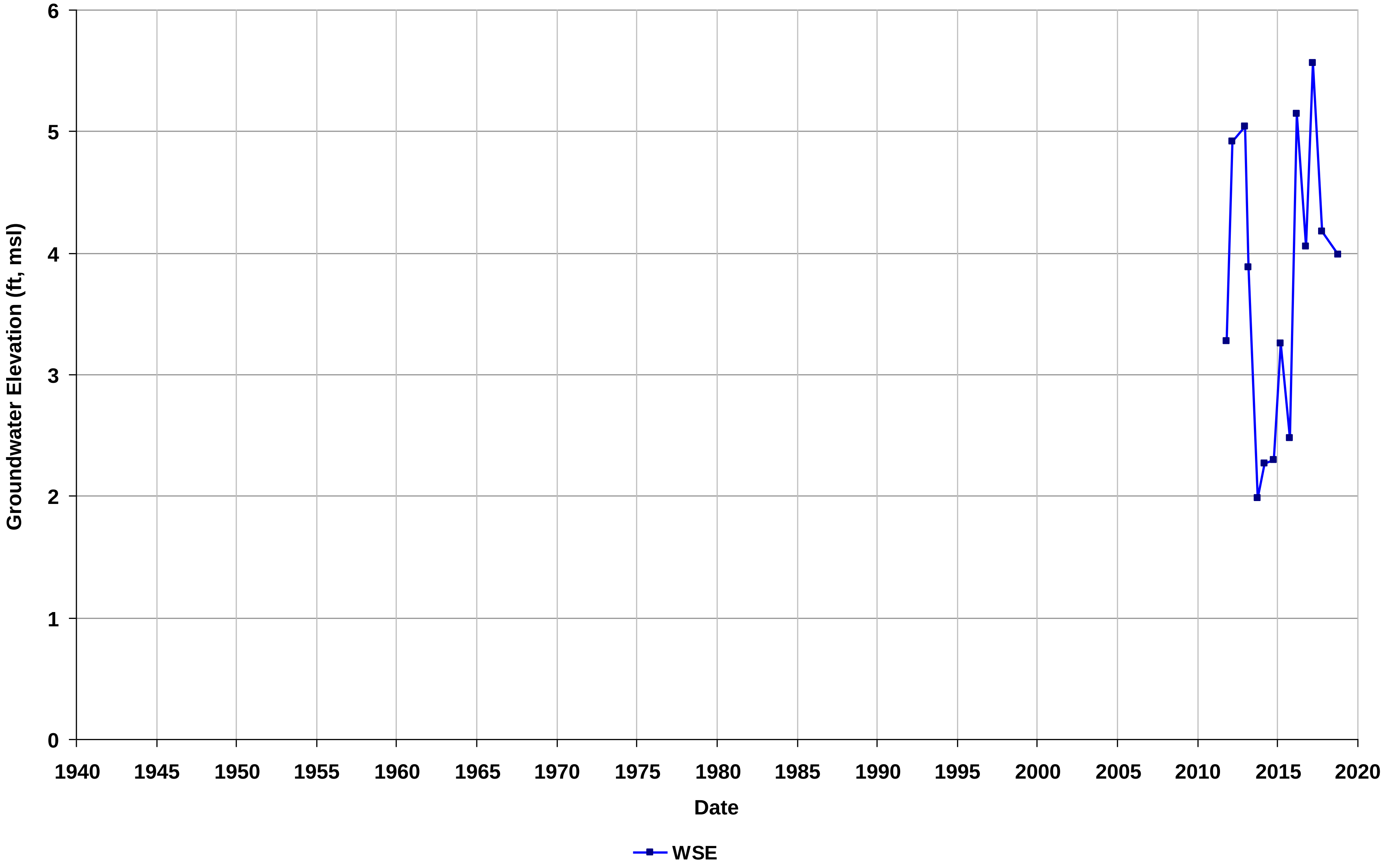
Well Name: SL18330750-MW-5
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 13.41-23
T/R/S: 02S/03W/08
Well Use: Observation



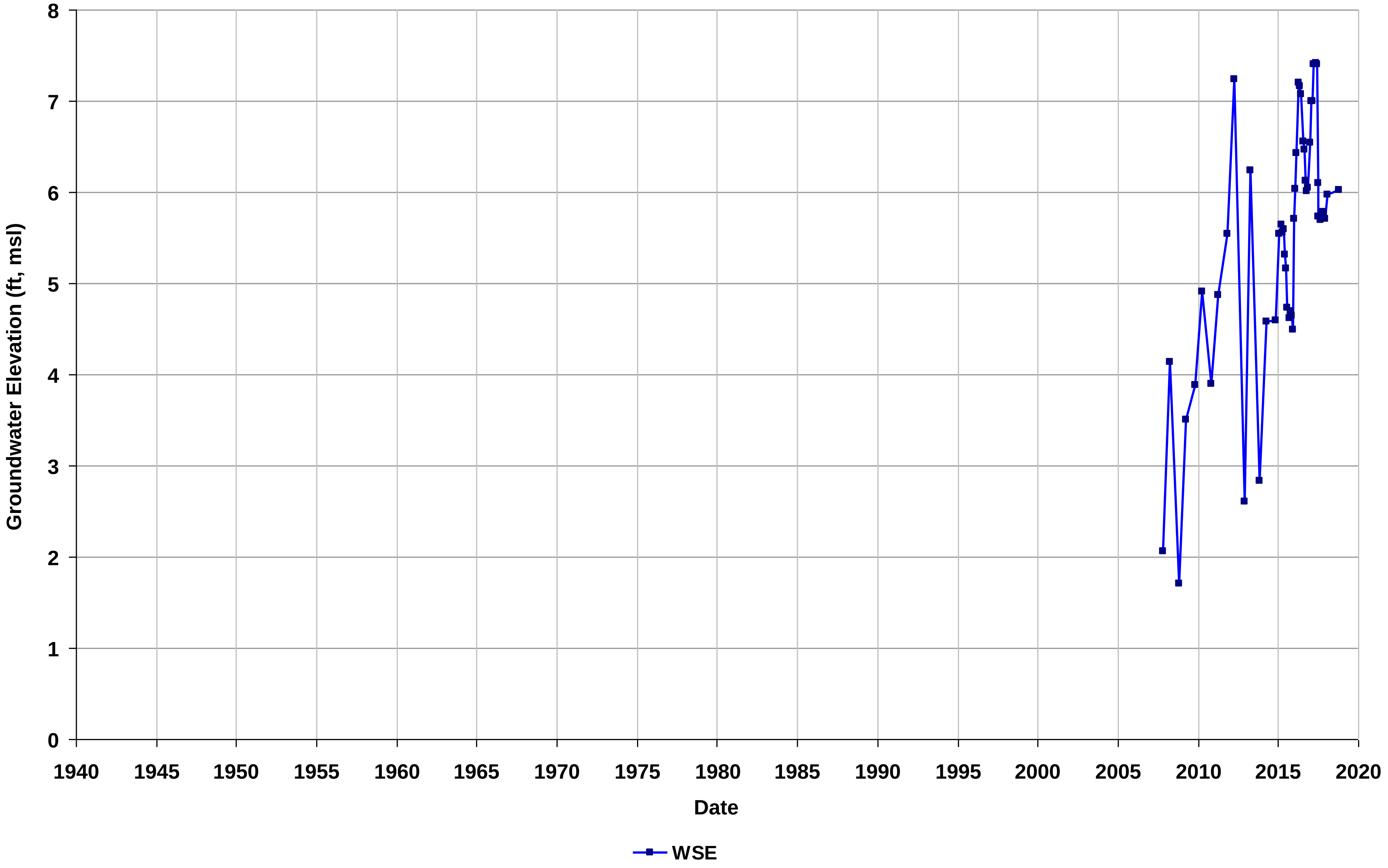
Well Name: SL18330750-MW-6
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 13.38-23
T/R/S: 02S/03W/08
Well Use: Observation



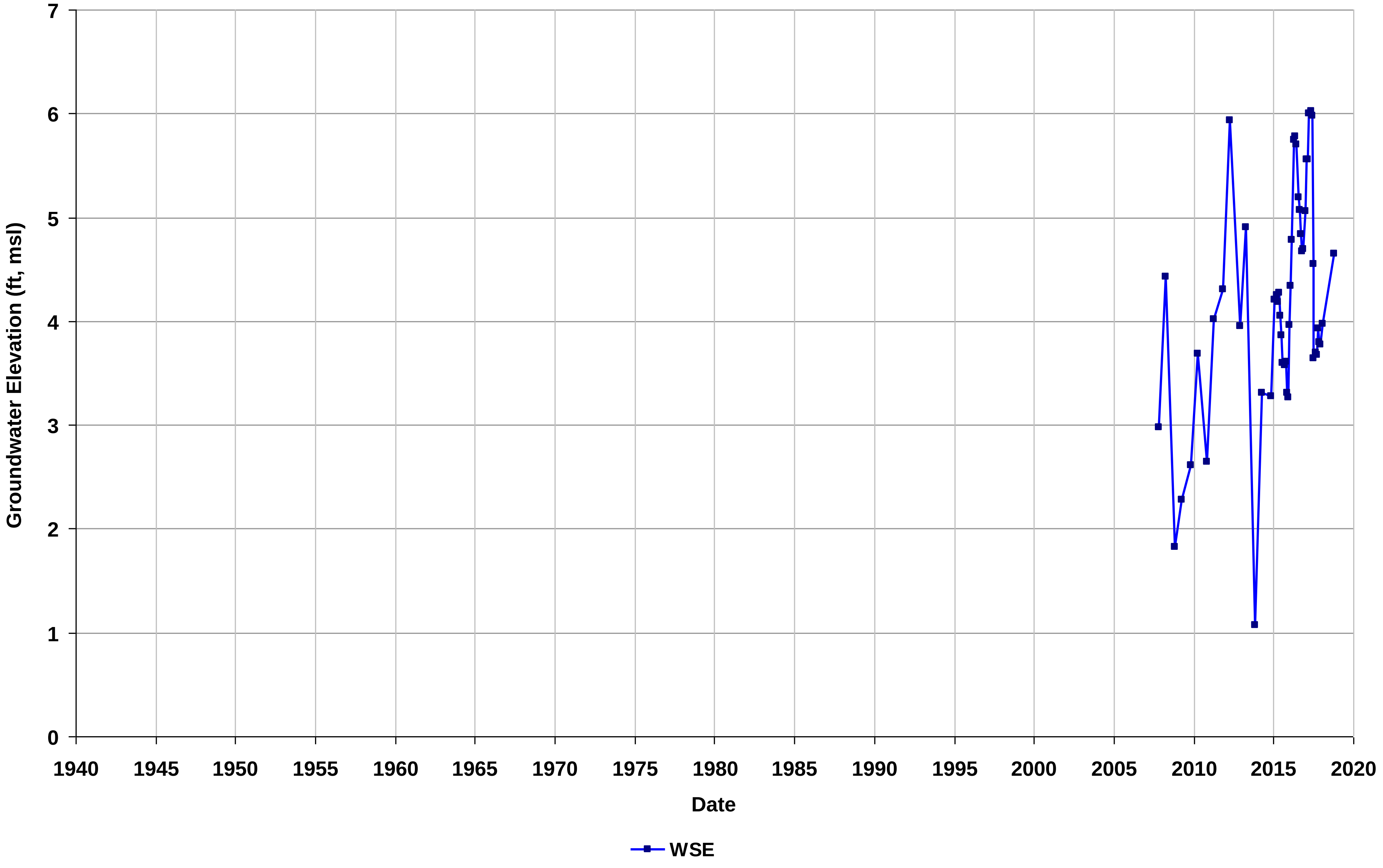
Well Name: SL18330750-MW-7
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 14.25-24
T/R/S: 02S/03W/08
Well Use: Observation



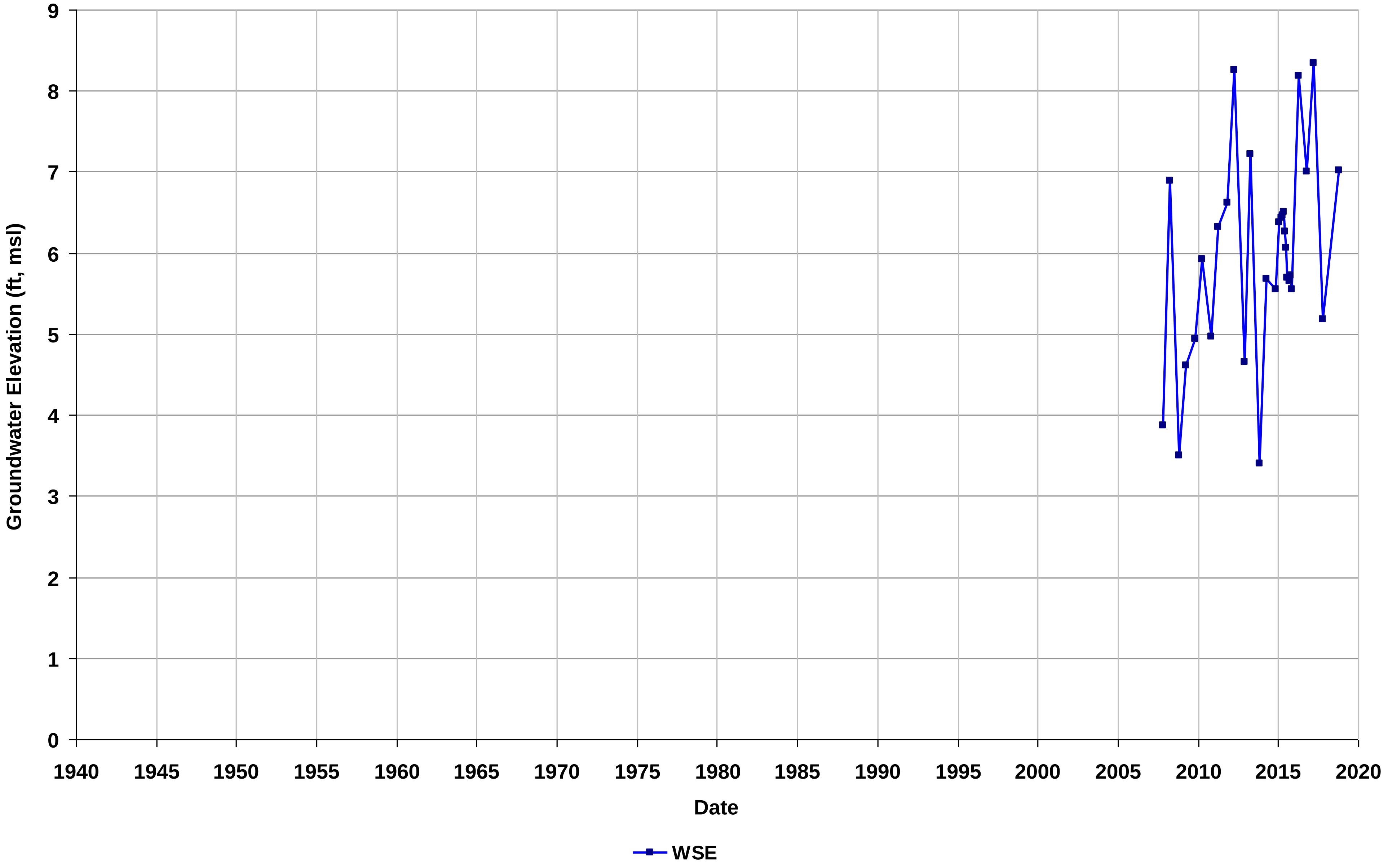
Well Name: SL18330750-MW-8
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 13.63-24
T/R/S: 02S/03W/08
Well Use: Observation



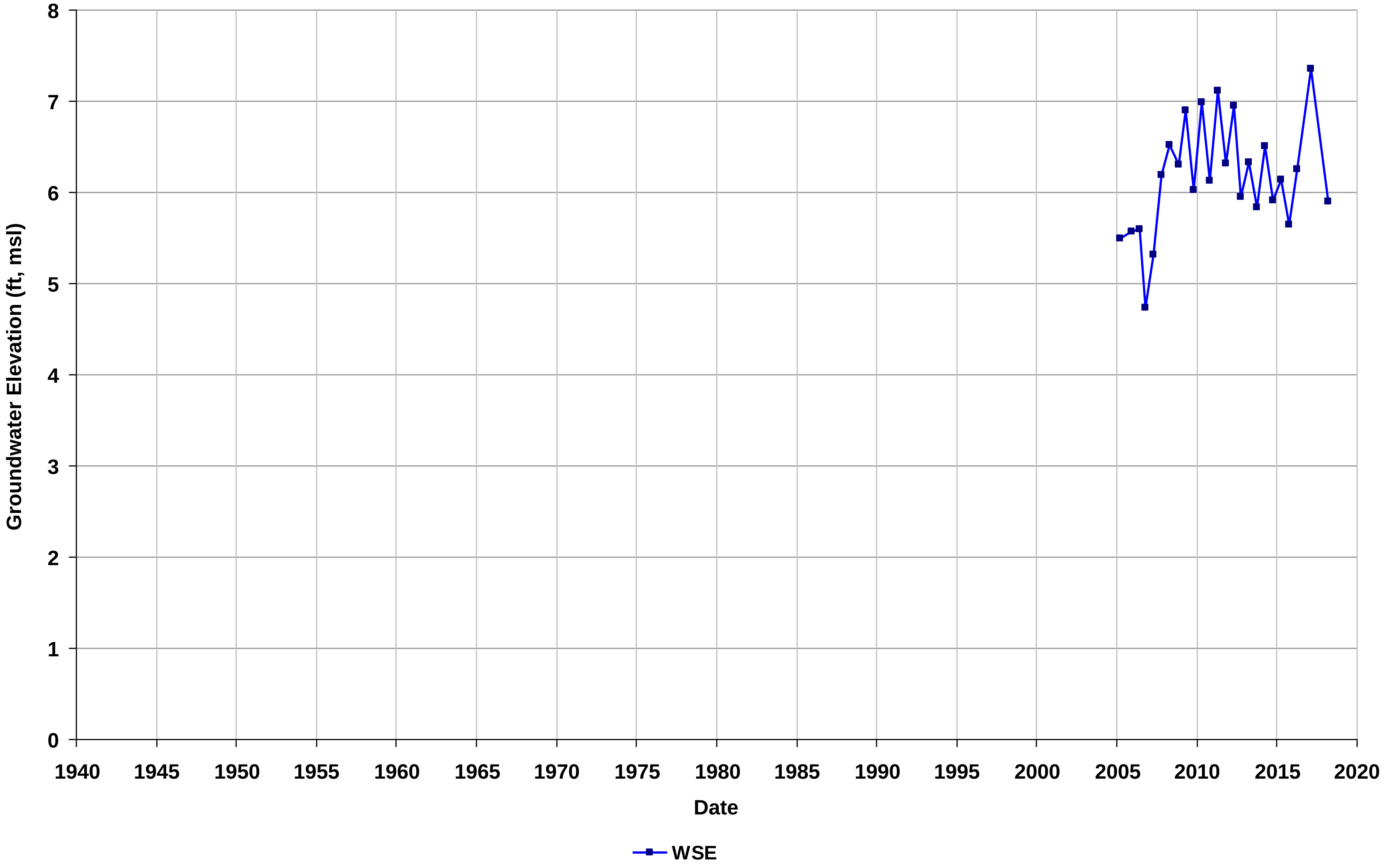
Well Name: SL18330750-MW-9
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 14.12-24
T/R/S: 02S/03W/08
Well Use: Observation



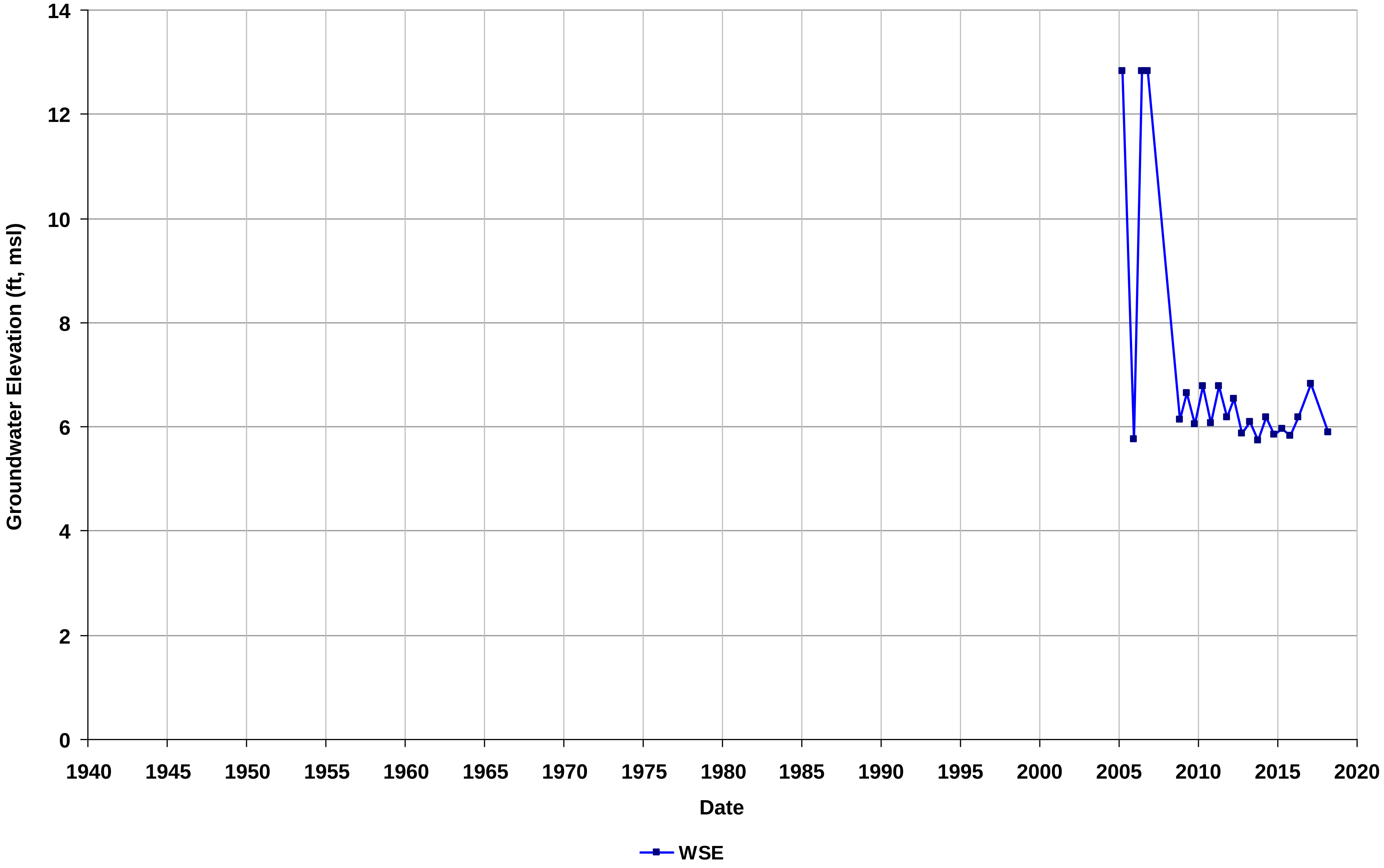
Well Name: SL18332752-MW-13
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-18
T/R/S: 01S/04W/28
Well Use: Observation



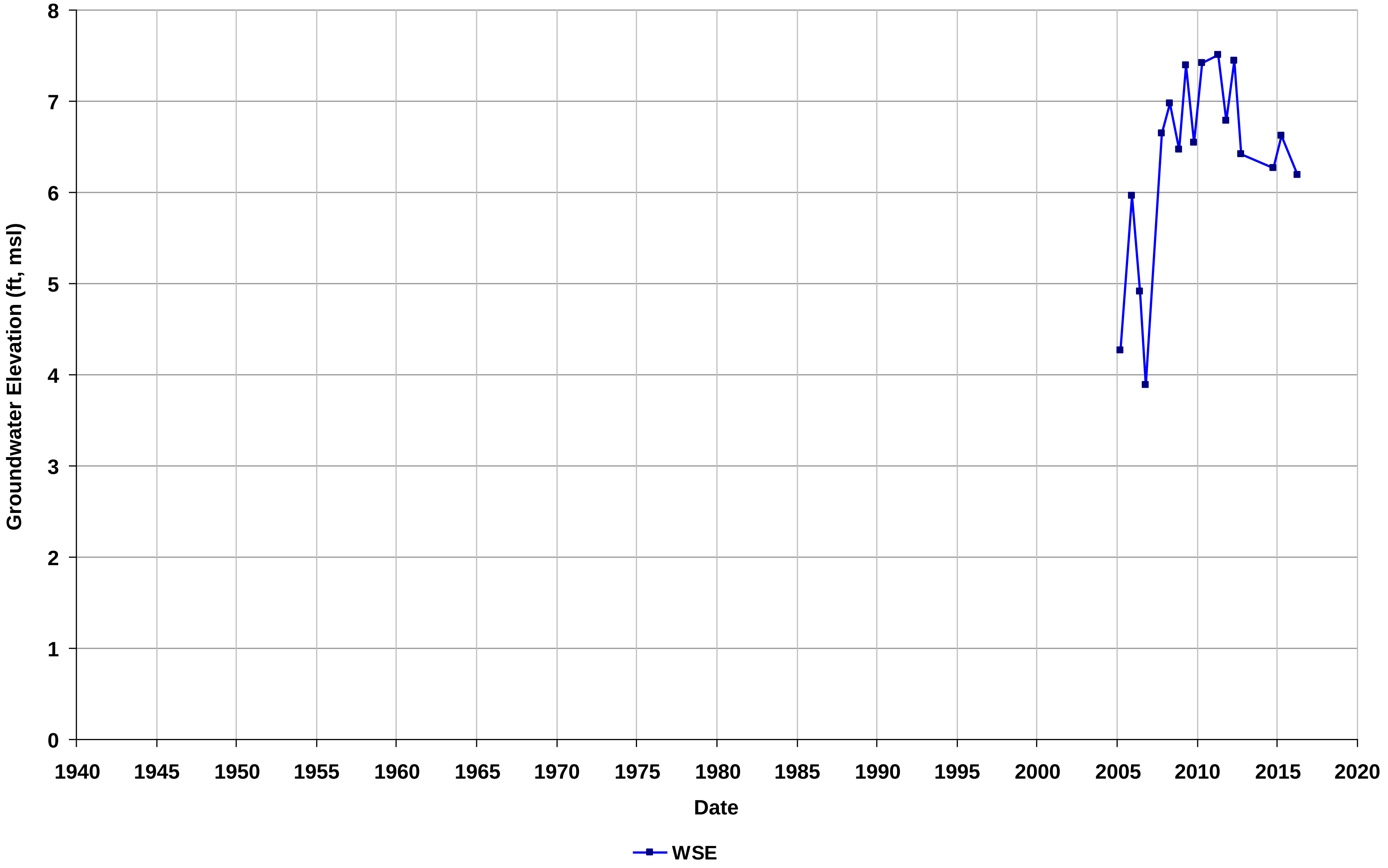
Well Name: SL18332752-MW-14
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-20
T/R/S: 01S/04W/28
Well Use: Observation



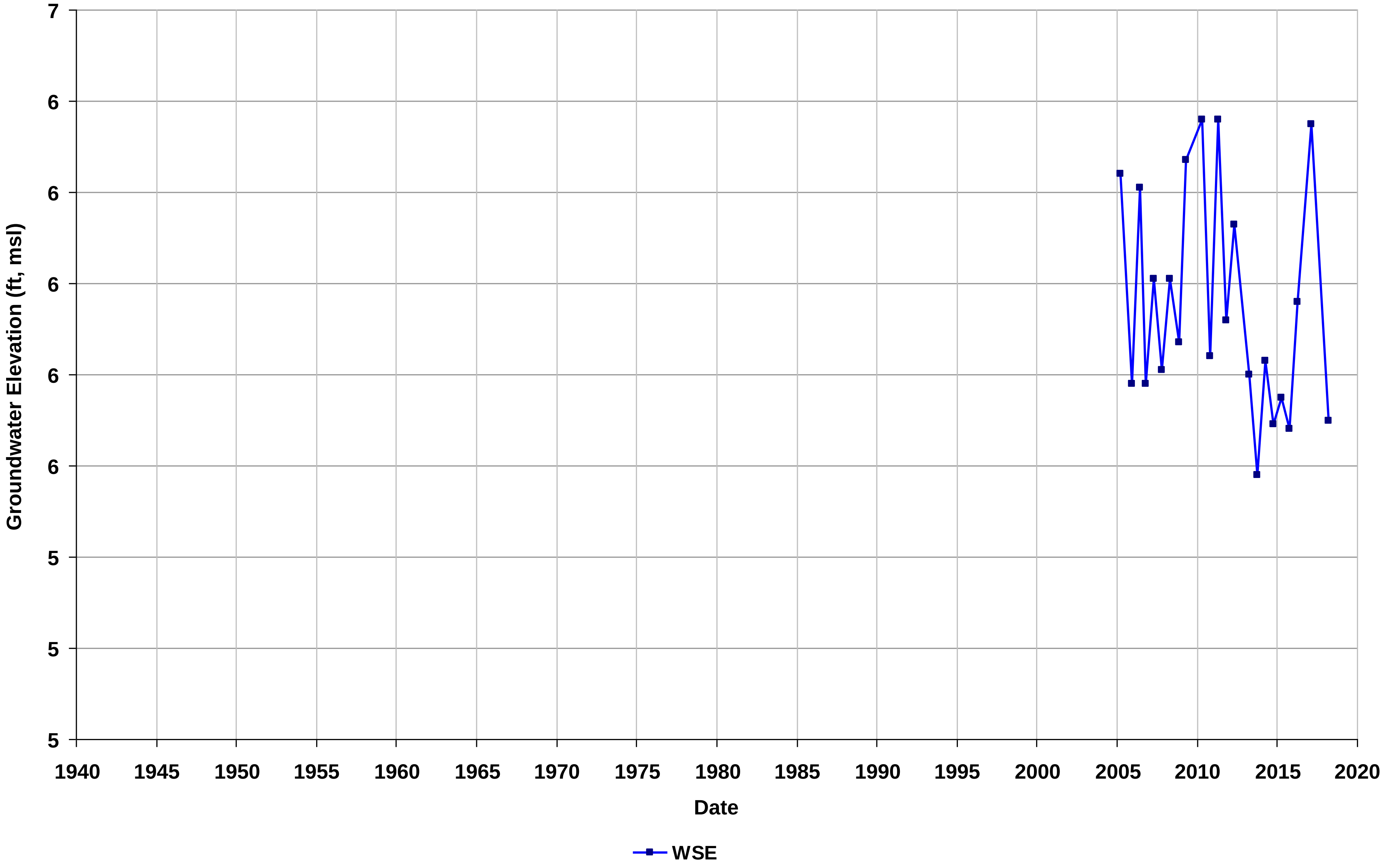
Well Name: SL18332752-MW-15
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-16
T/R/S: 01S/04W/28
Well Use: Observation



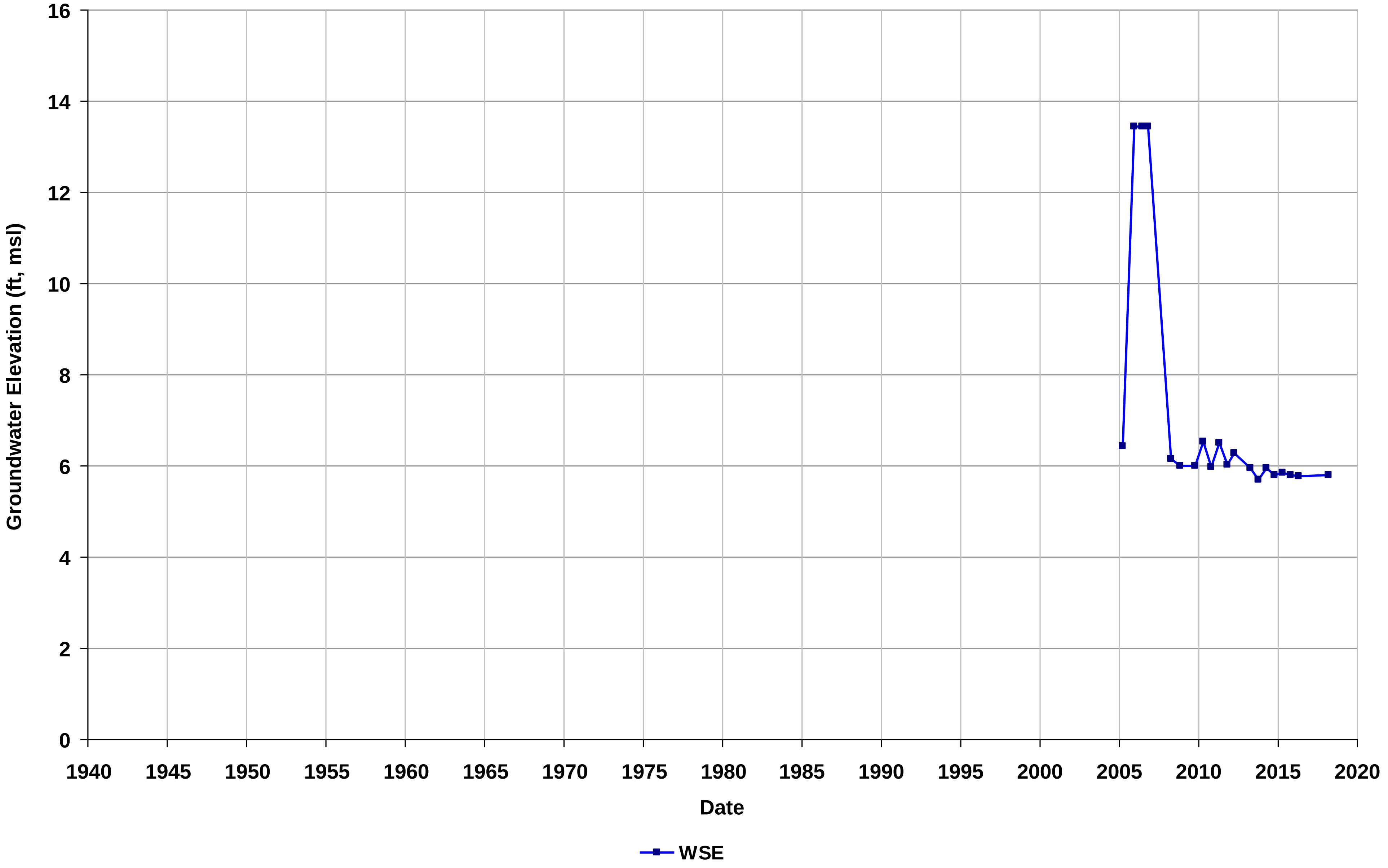
Well Name: SL18332752-MW-16
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-20
T/R/S: 01S/04W/28
Well Use: Observation



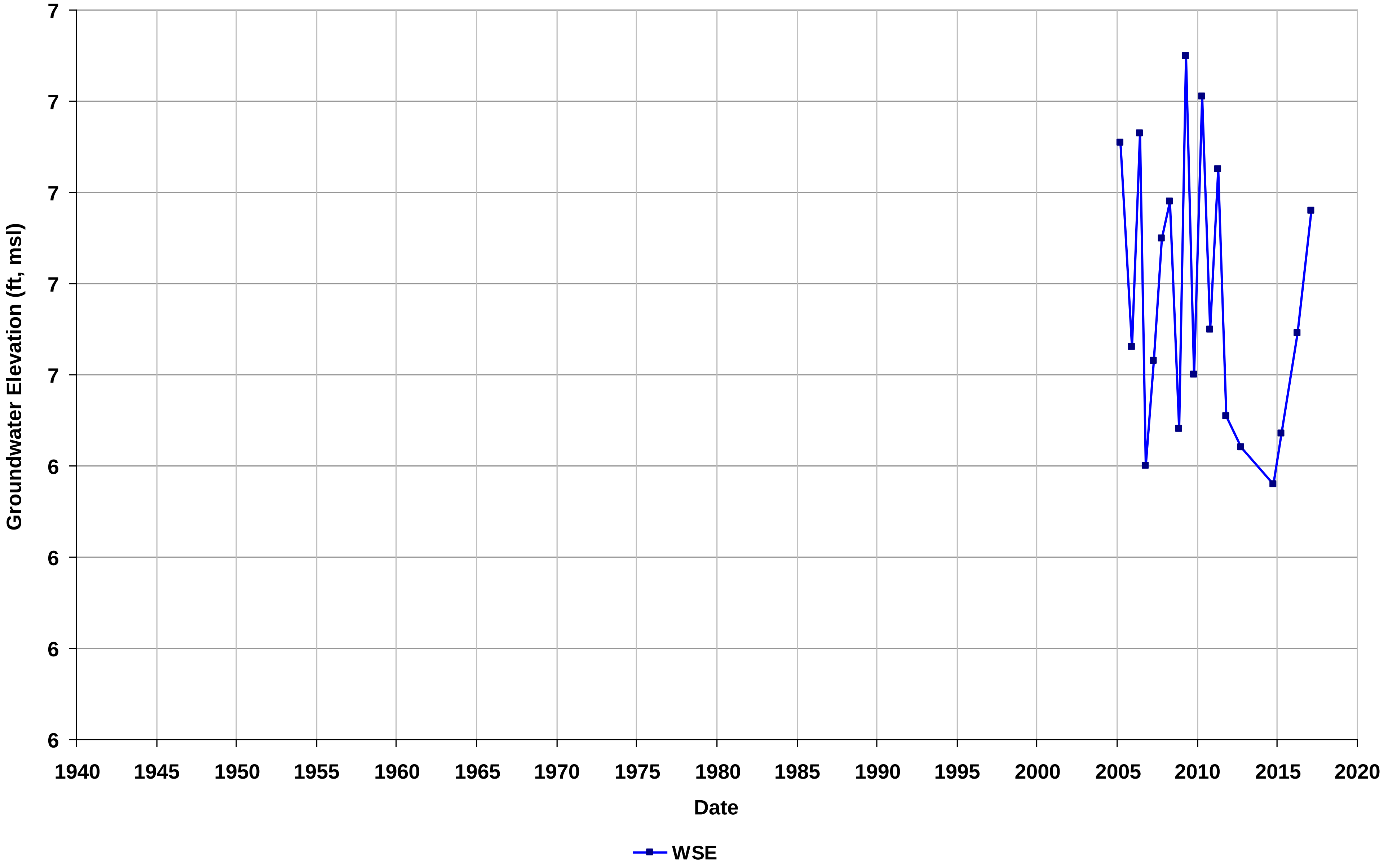
Well Name: SL18332752-MW-17
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-19
T/R/S: 01S/04W/29
Well Use: Observation



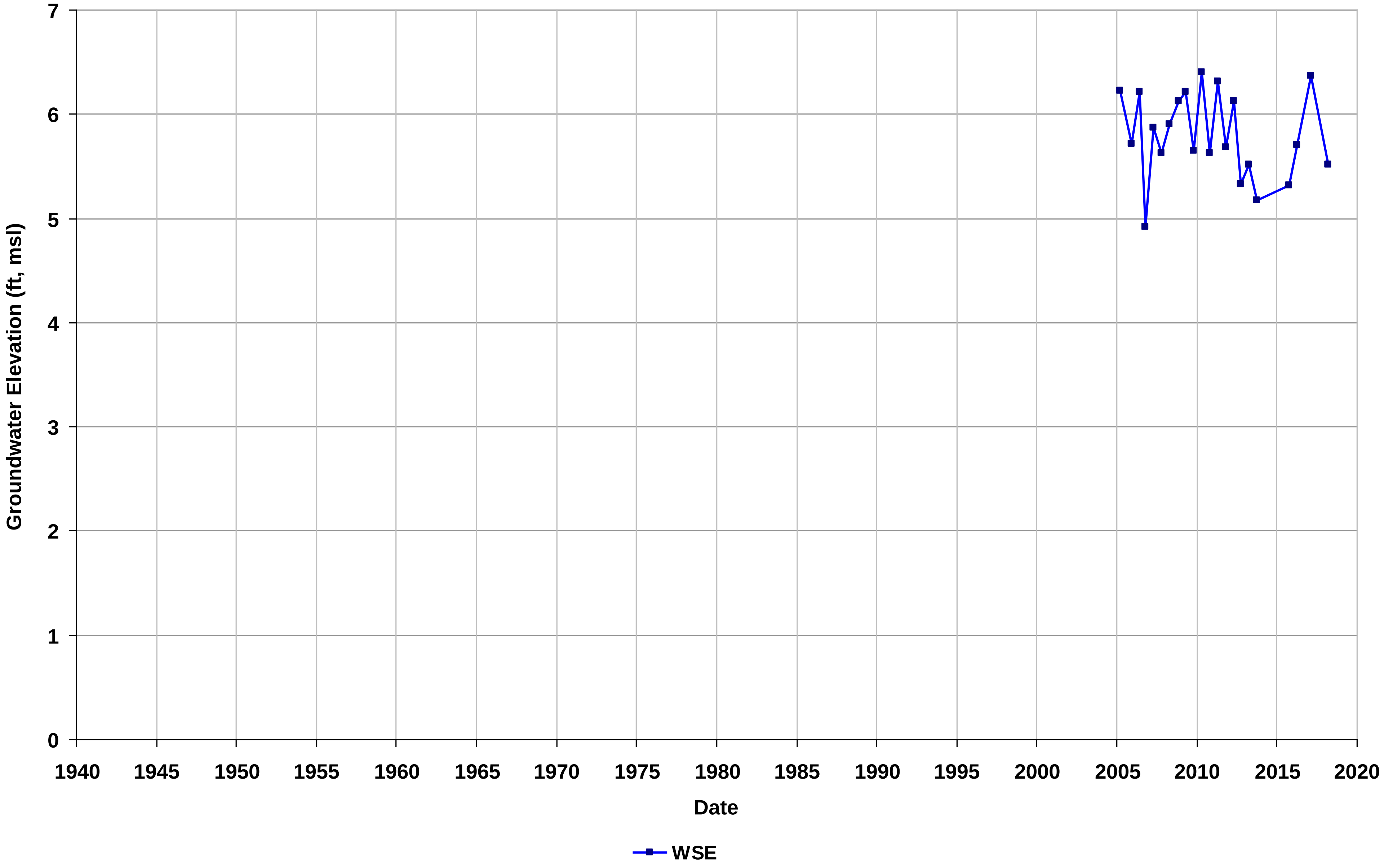
Well Name: SL18332752-MW-18
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-14
T/R/S: 01S/04W/28
Well Use: Observation



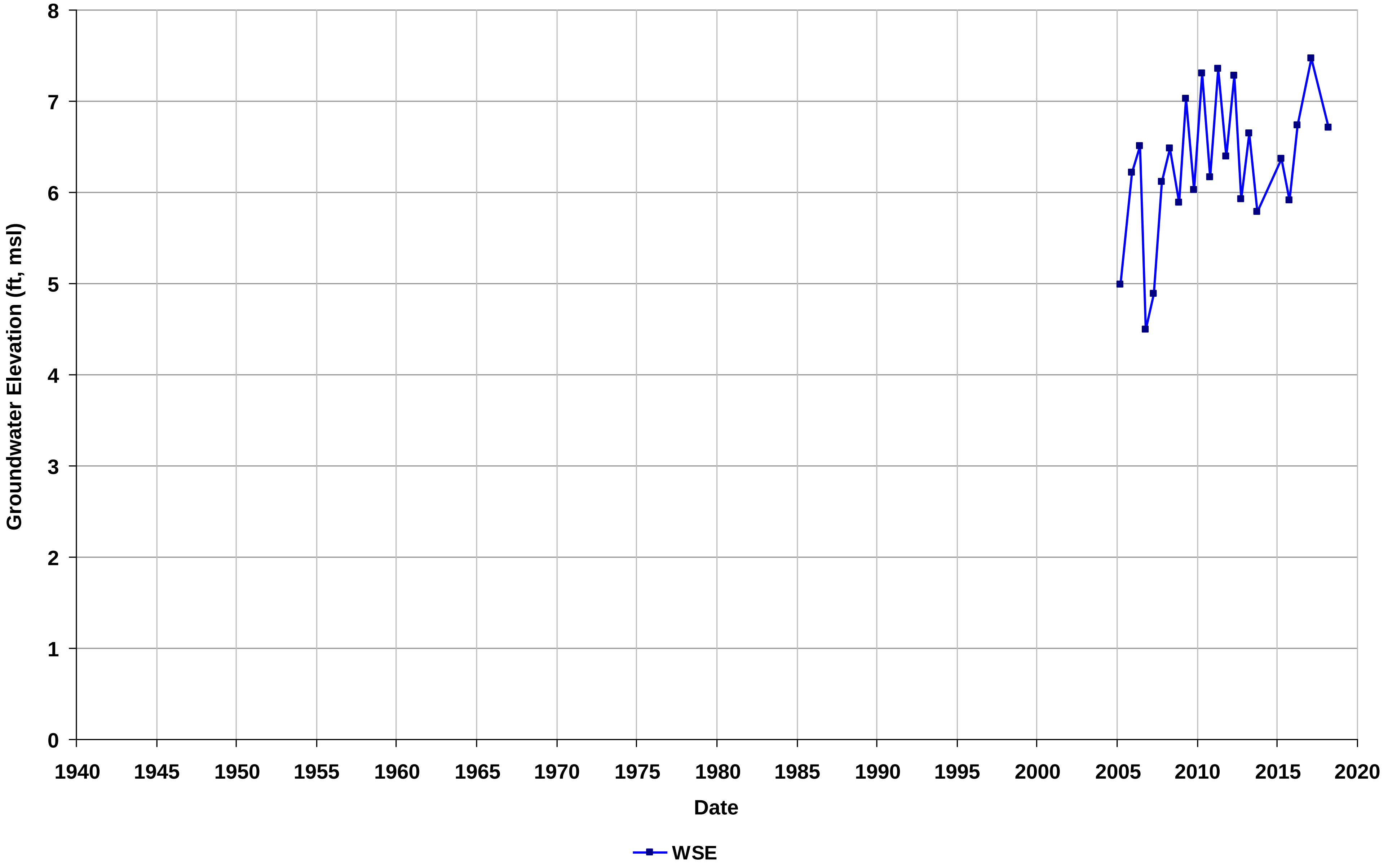
Well Name: SL18332752-MW-24
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-16
T/R/S: 01S/04W/28
Well Use: Observation



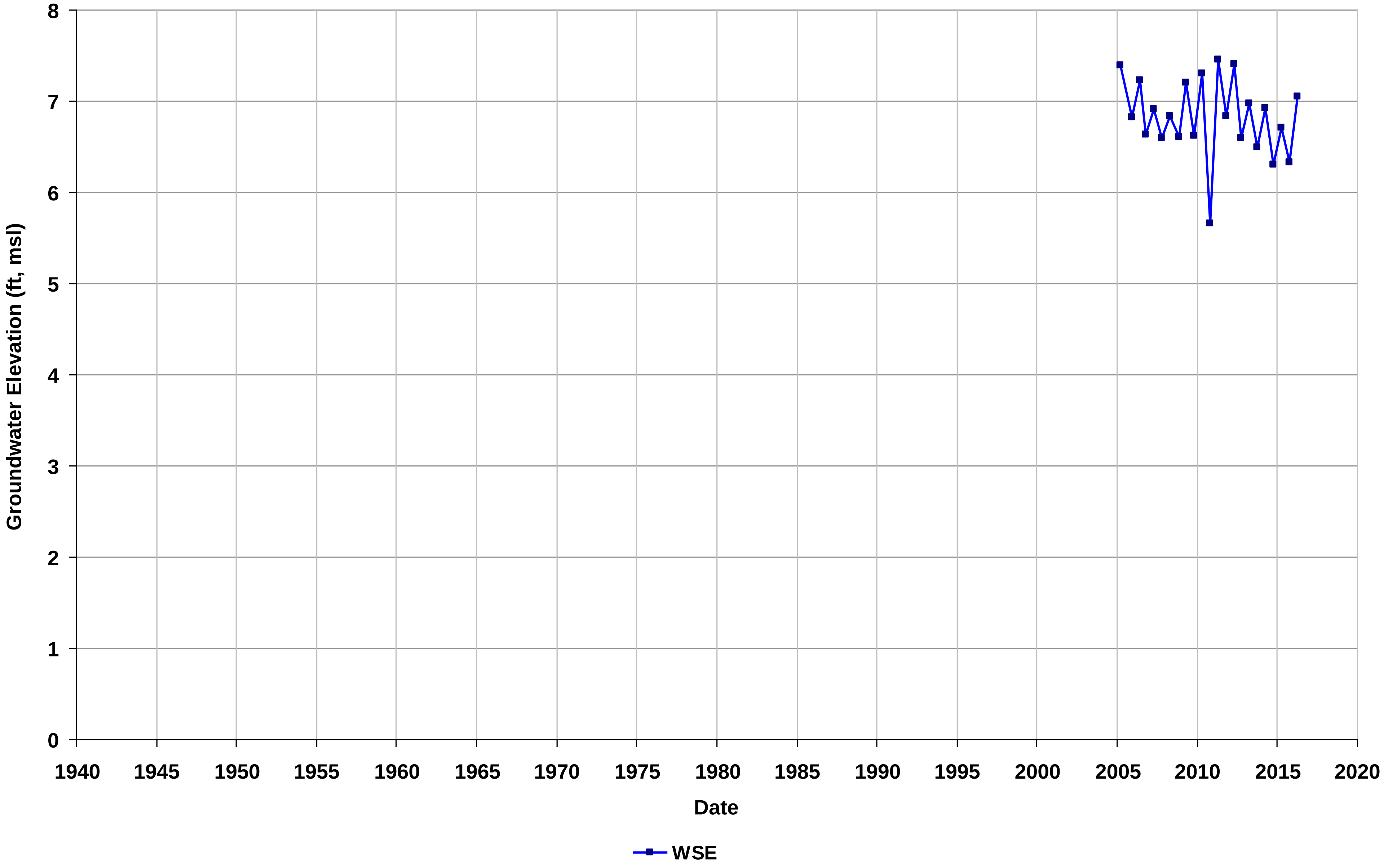
Well Name: SL18332752-MW-25
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-16
T/R/S: 01S/04W/28
Well Use: Observation



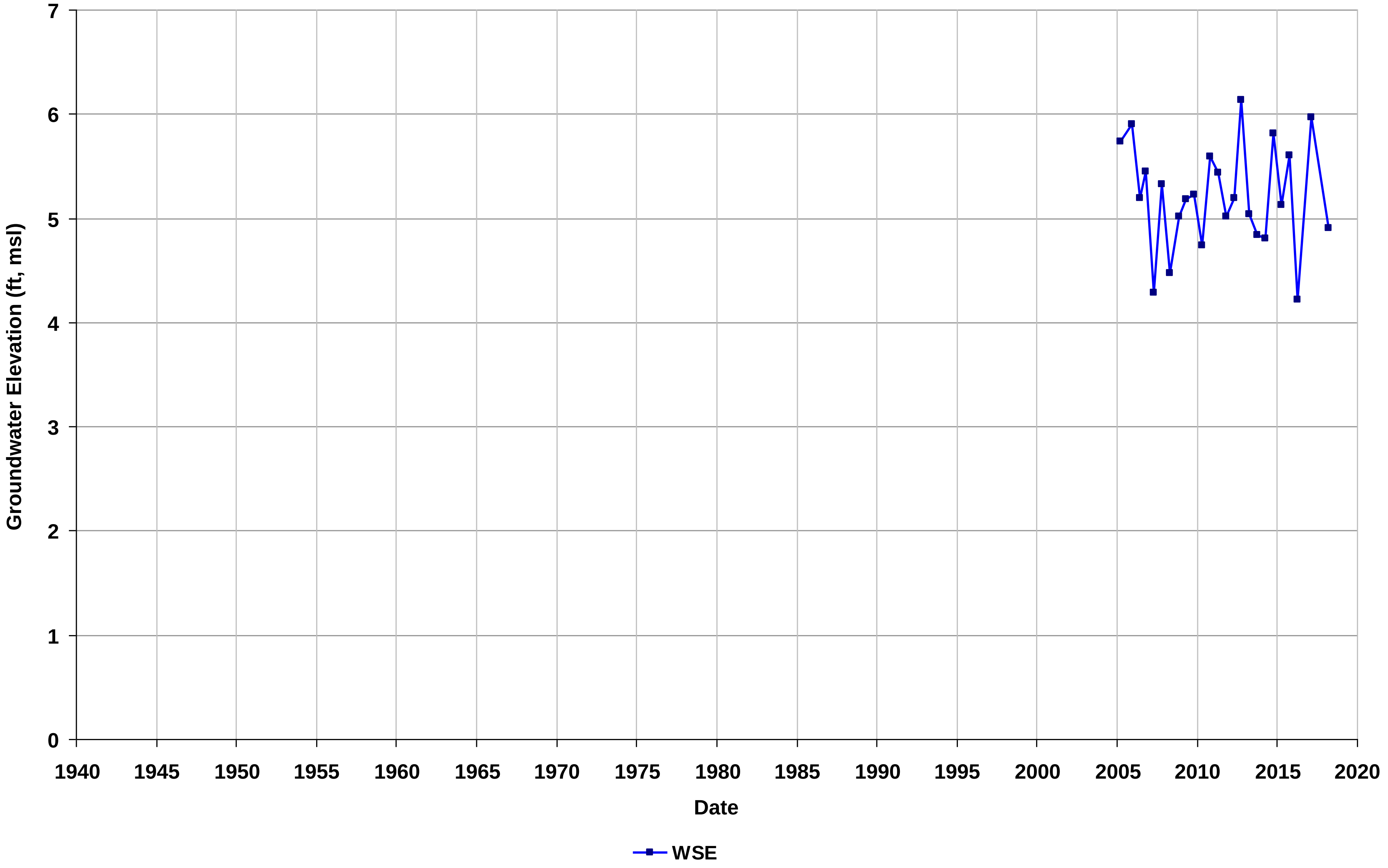
Well Name: SL18332752-MW-26
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-15
T/R/S: 01S/04W/28
Well Use: Observation



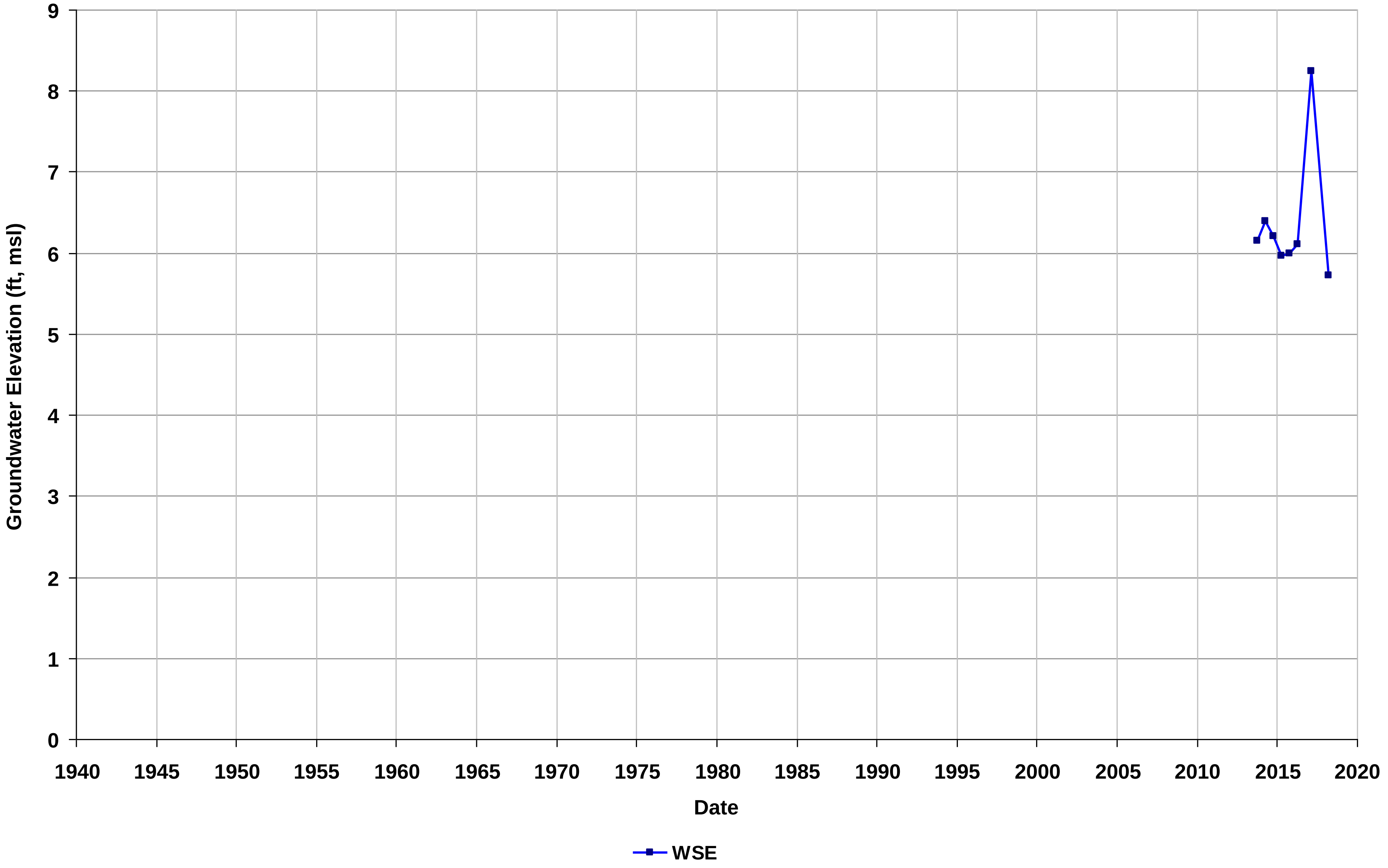
Well Name: SL18332752-MW-2B
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 40-50
T/R/S: 01S/04W/29
Well Use: Observation



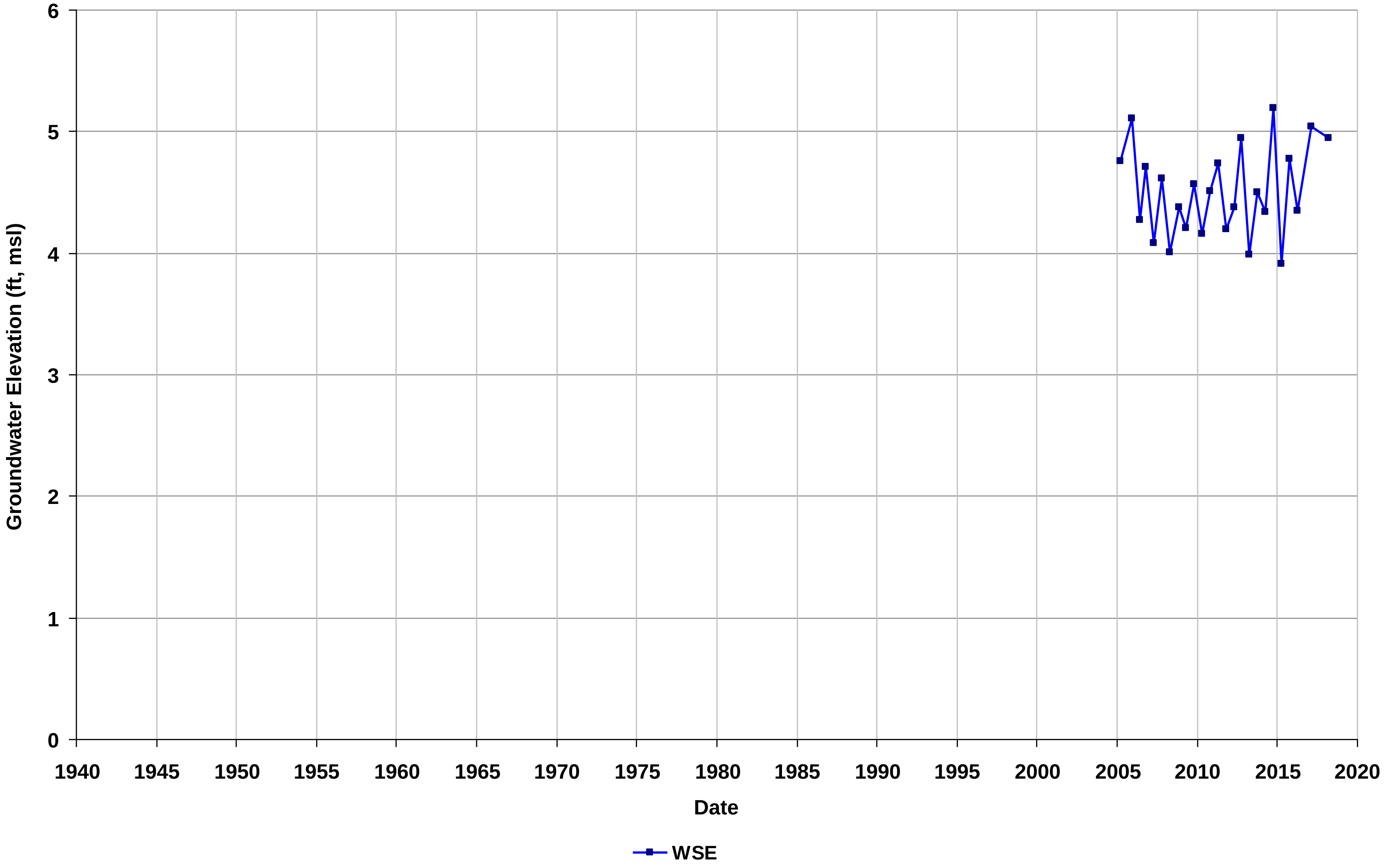
Well Name: SL18332752-MW-3
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5.7-16
T/R/S: 01S/04W/28
Well Use: Observation



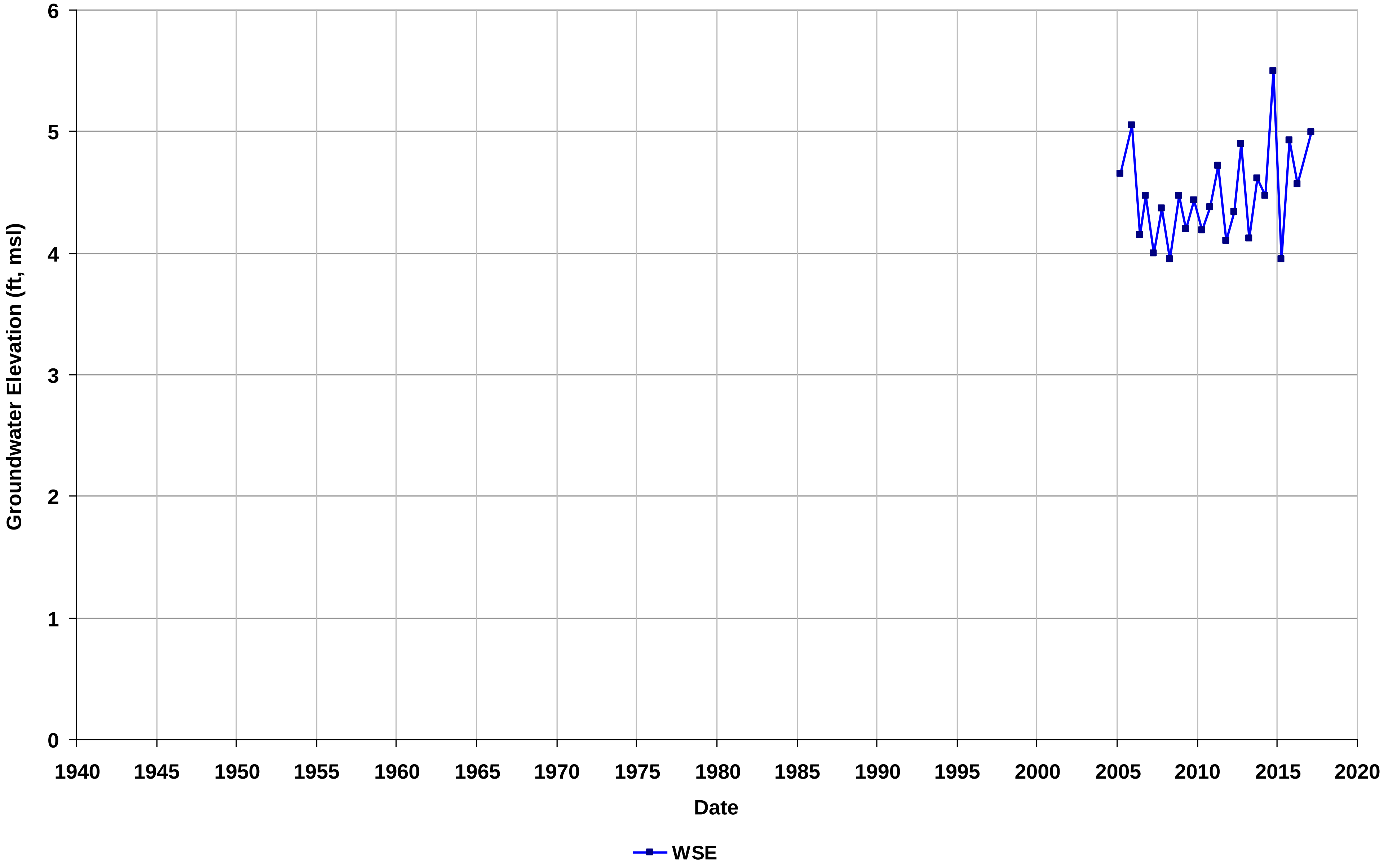
Well Name: SL18332752-MW-34
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-17
T/R/S: 01S/04W/29
Well Use: Observation



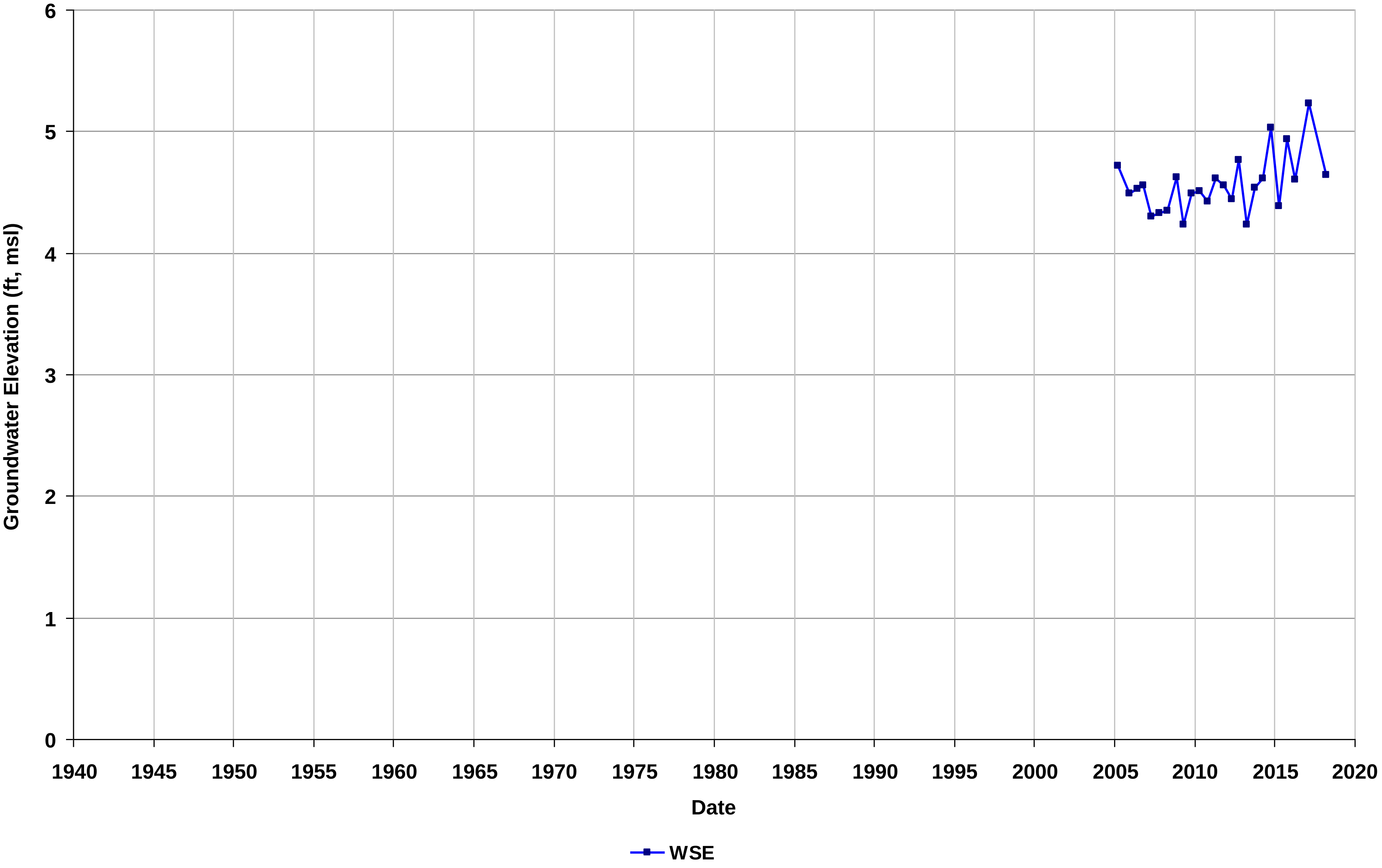
Well Name: SL18332752-MW-35
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-20
T/R/S: 01S/04W/29
Well Use: Observation



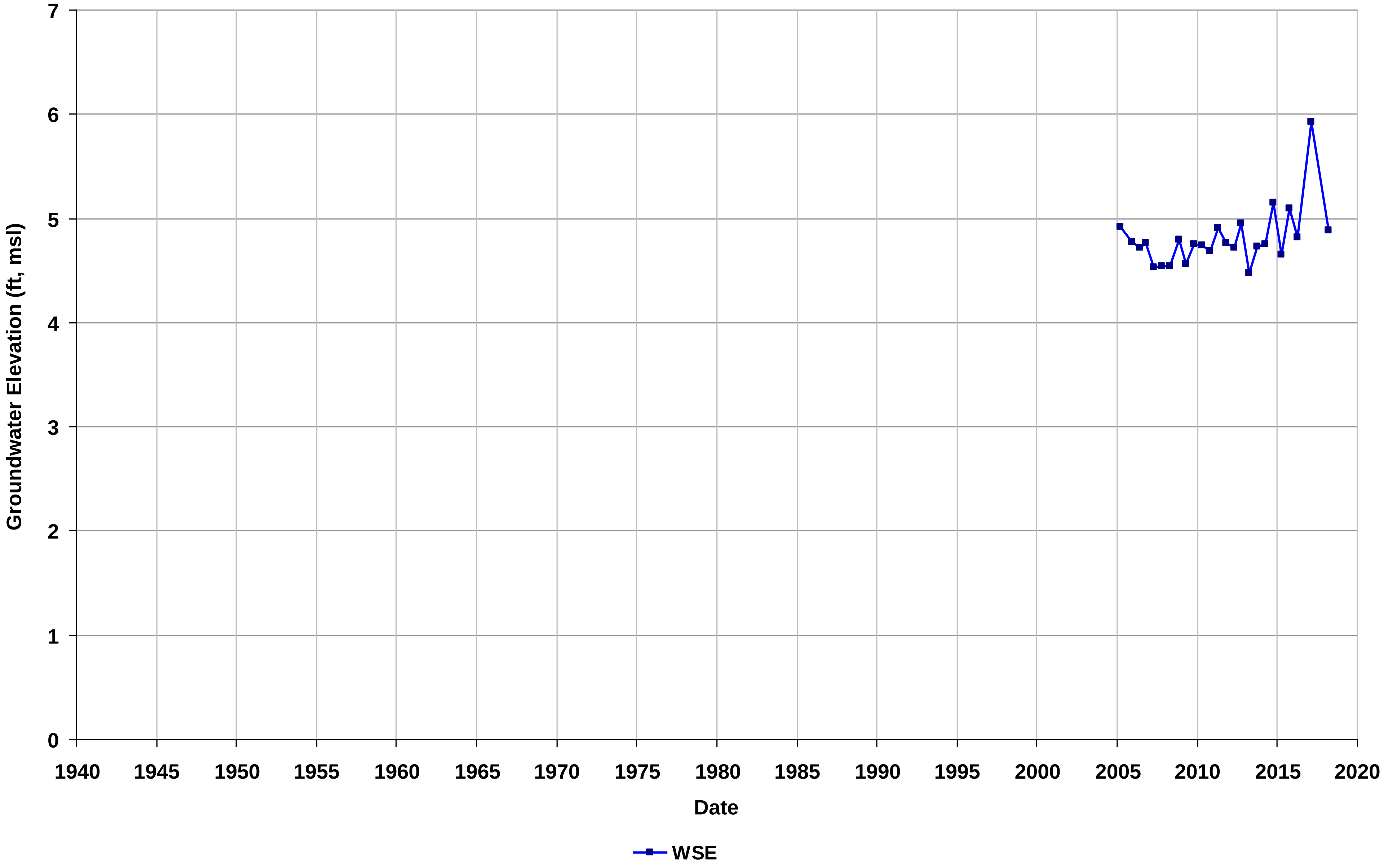
Well Name: SL18332752-MW-36
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-21
T/R/S: 01S/04W/29
Well Use: Observation



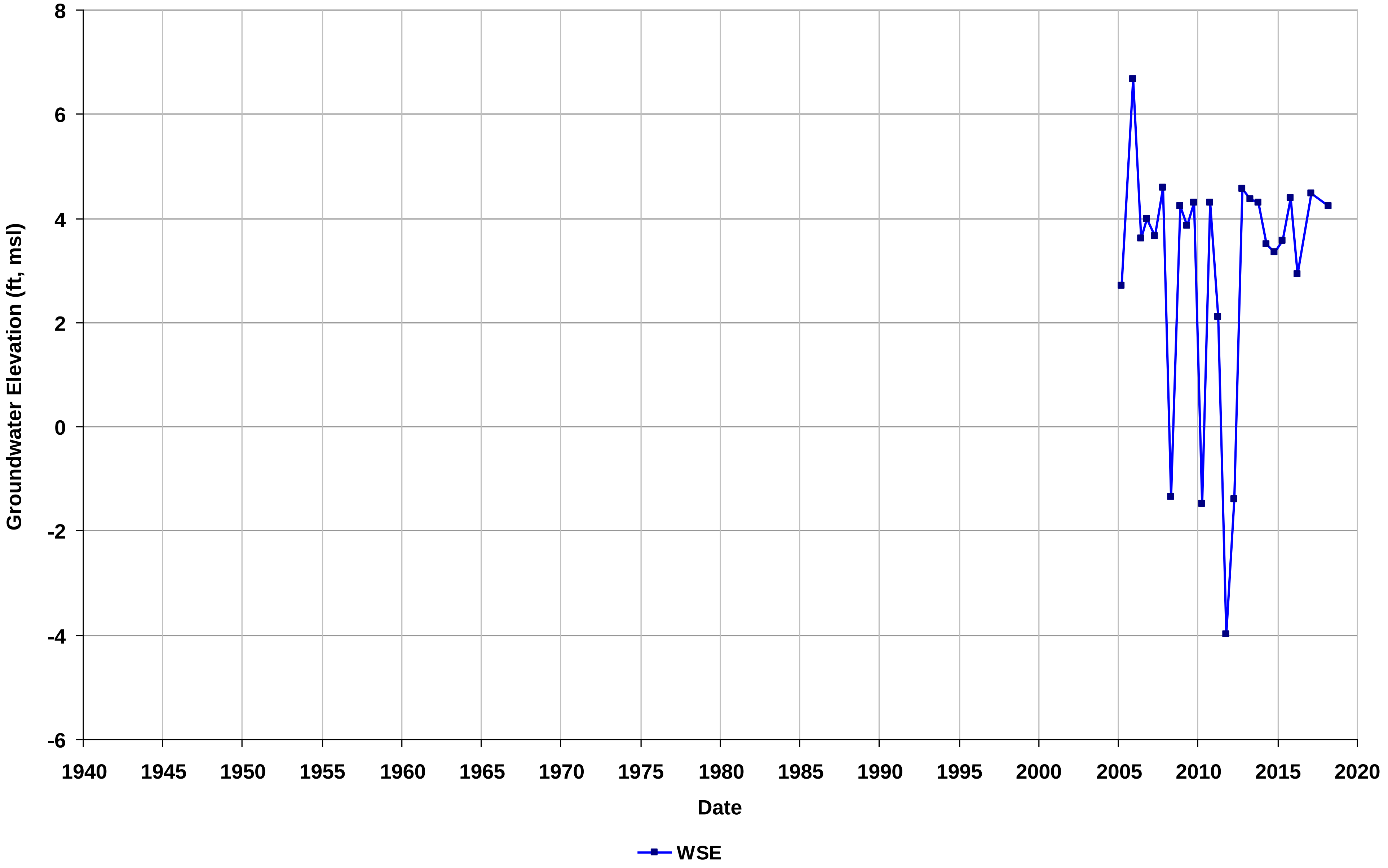
Well Name: SL18332752-MW-37A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-20
T/R/S: 01S/04W/29
Well Use: Observation



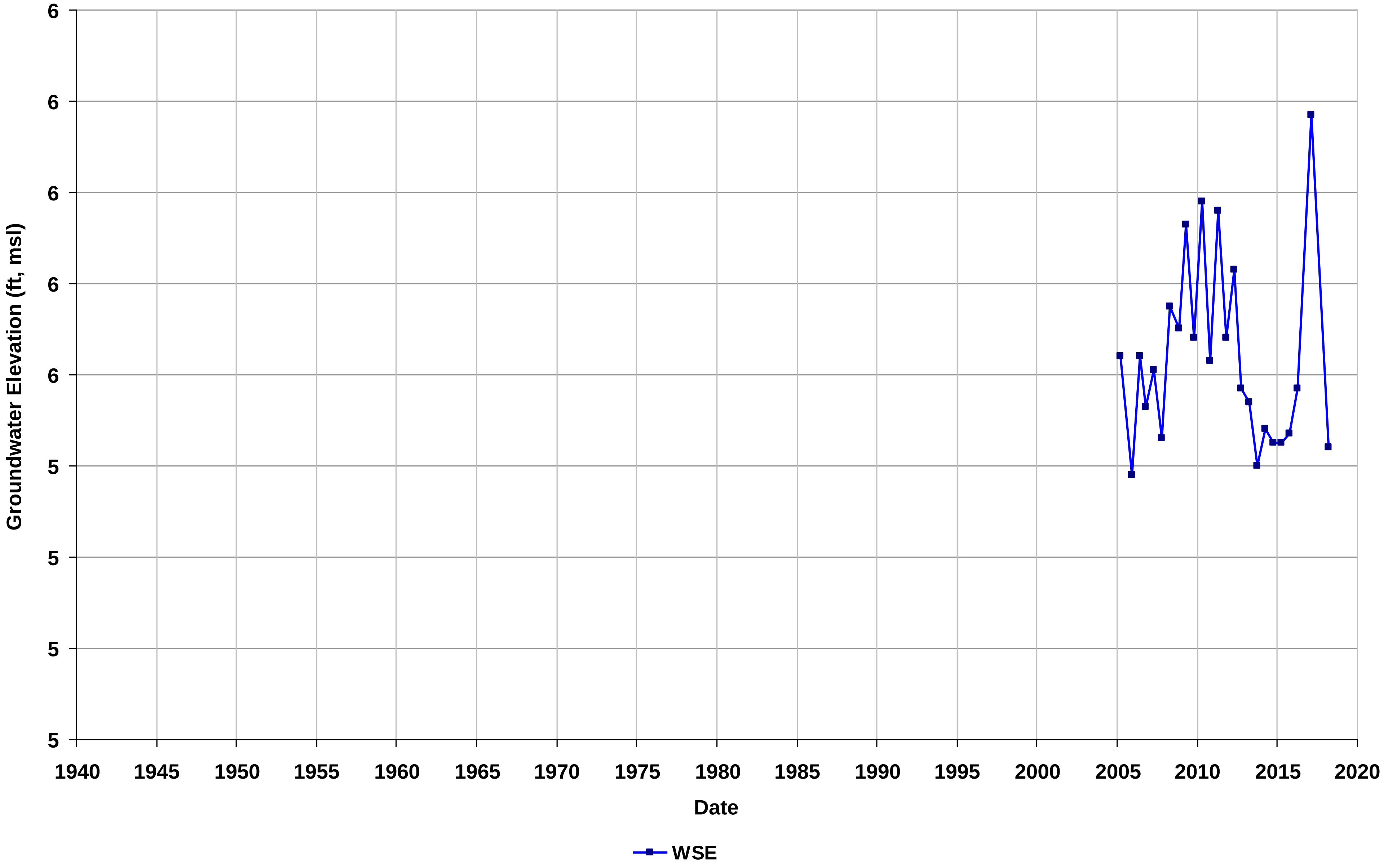
Well Name: SL18332752-MW-37B
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 29-34
T/R/S: 01S/04W/29
Well Use: Observation



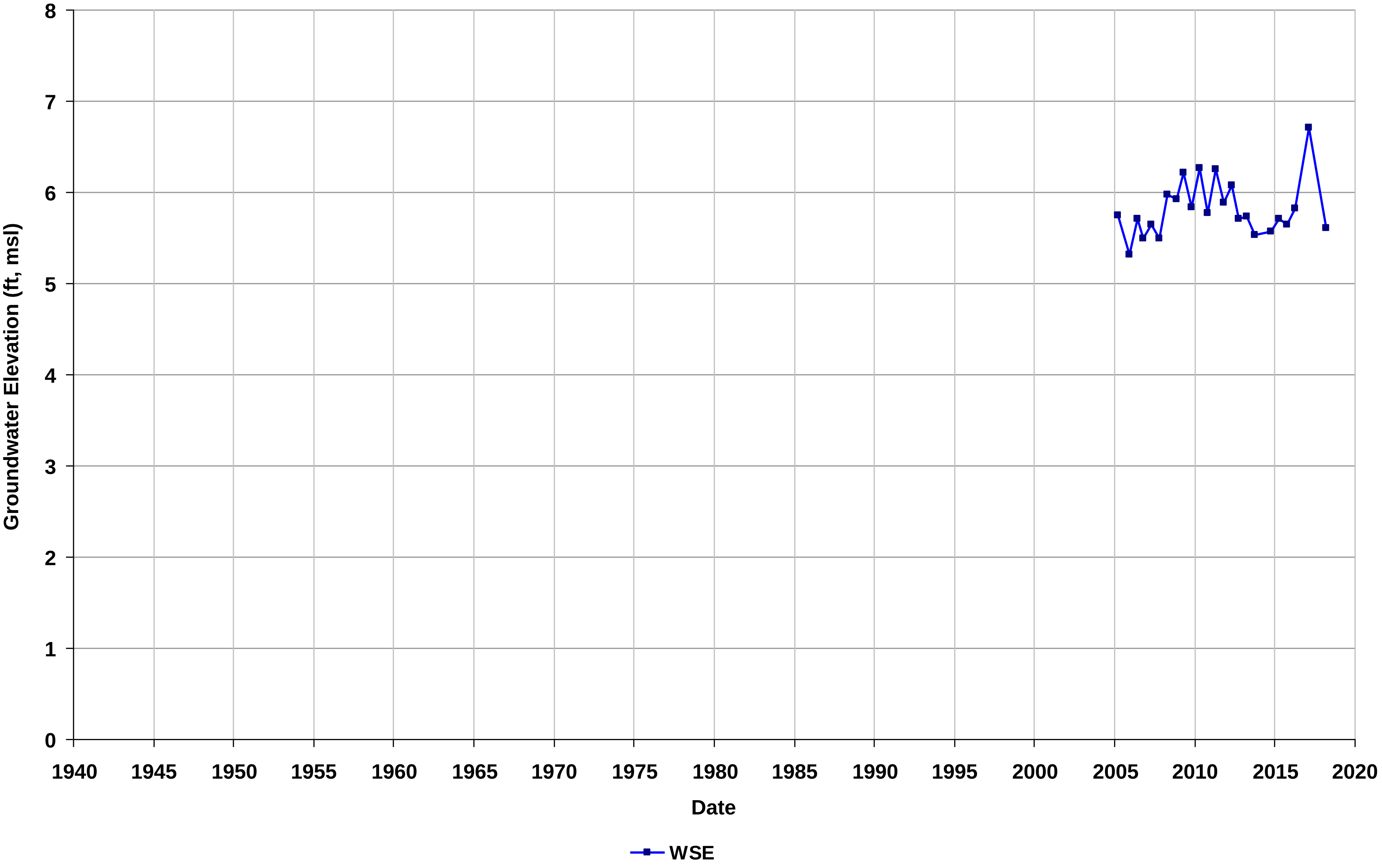
Well Name: SL18332752-MW-38
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-17
T/R/S: 01S/04W/29
Well Use: Observation



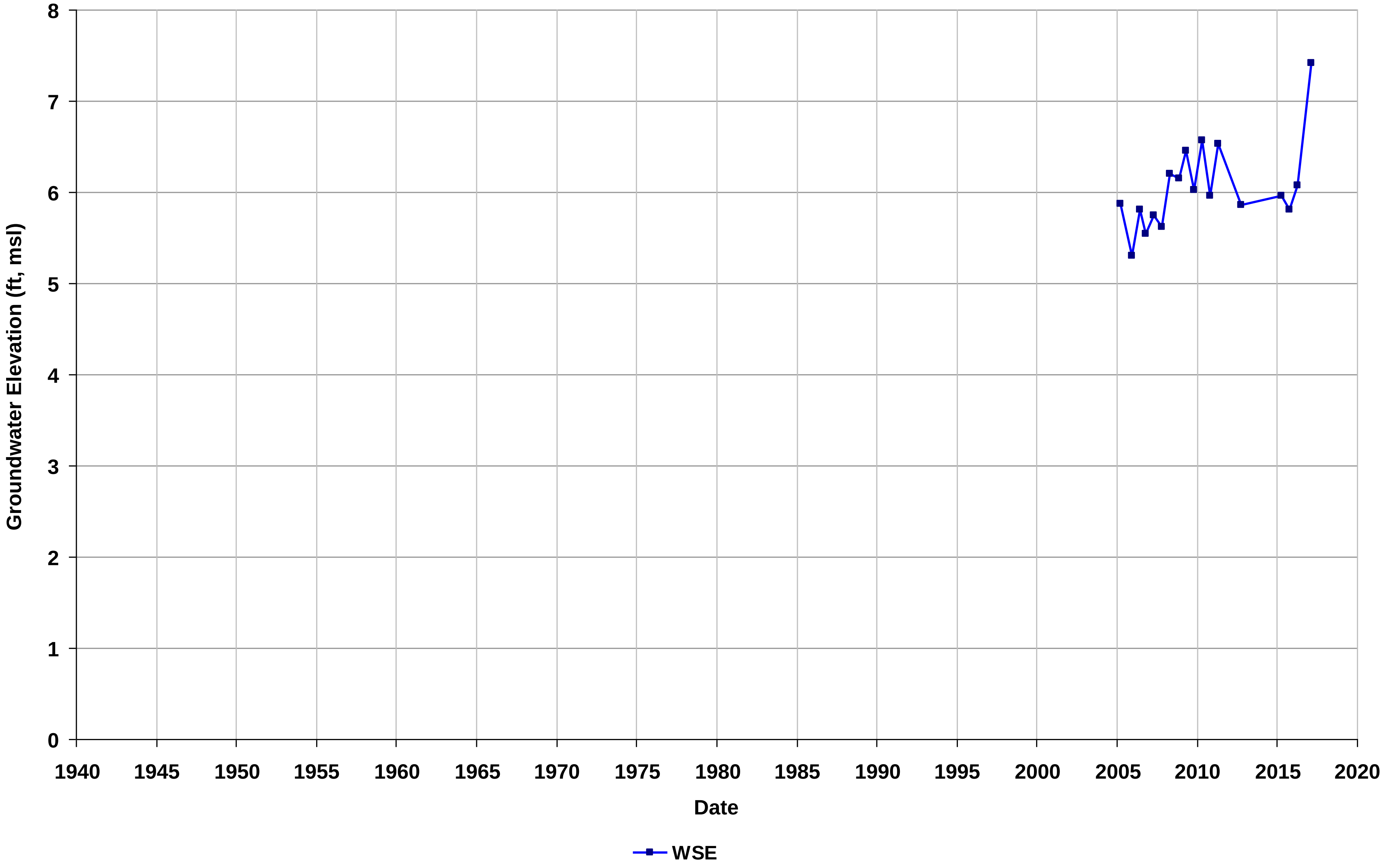
Well Name: SL18332752-MW-39
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-17
T/R/S: 01S/04W/29
Well Use: Observation



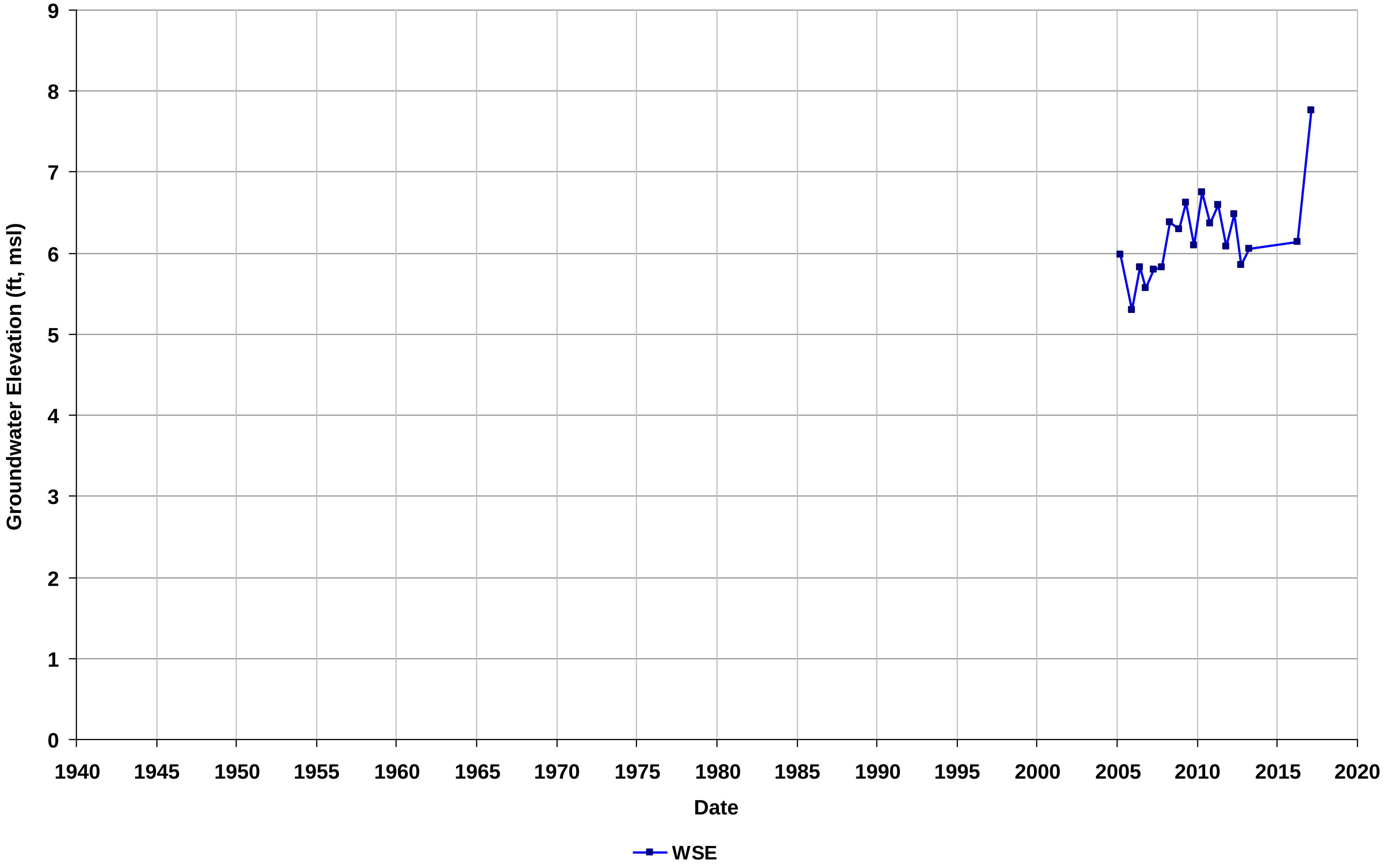
Well Name: SL18332752-MW-40
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-17
T/R/S: 01S/04W/29
Well Use: Observation



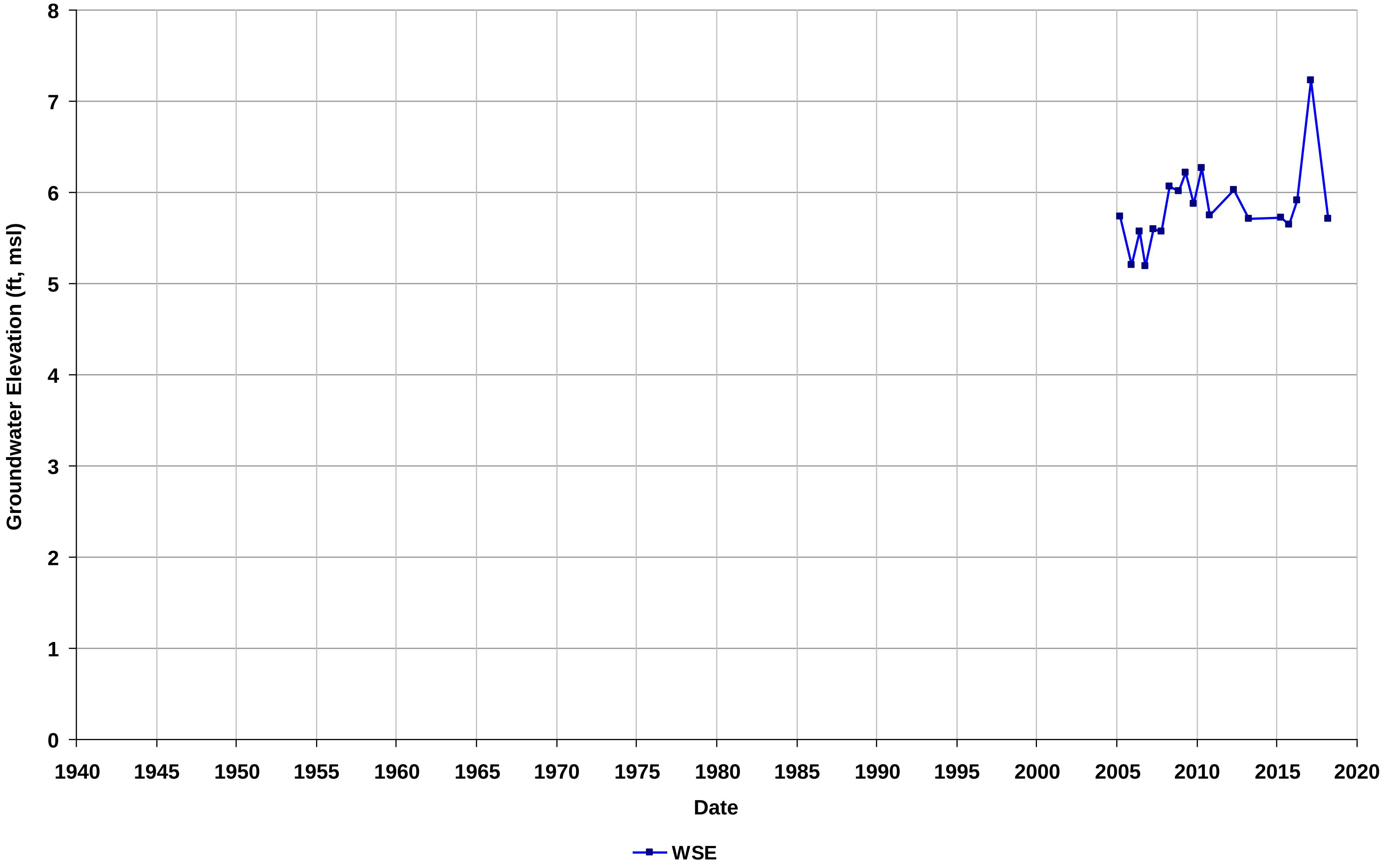
Well Name: SL18332752-MW-41
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-17
T/R/S: 01S/04W/29
Well Use: Observation



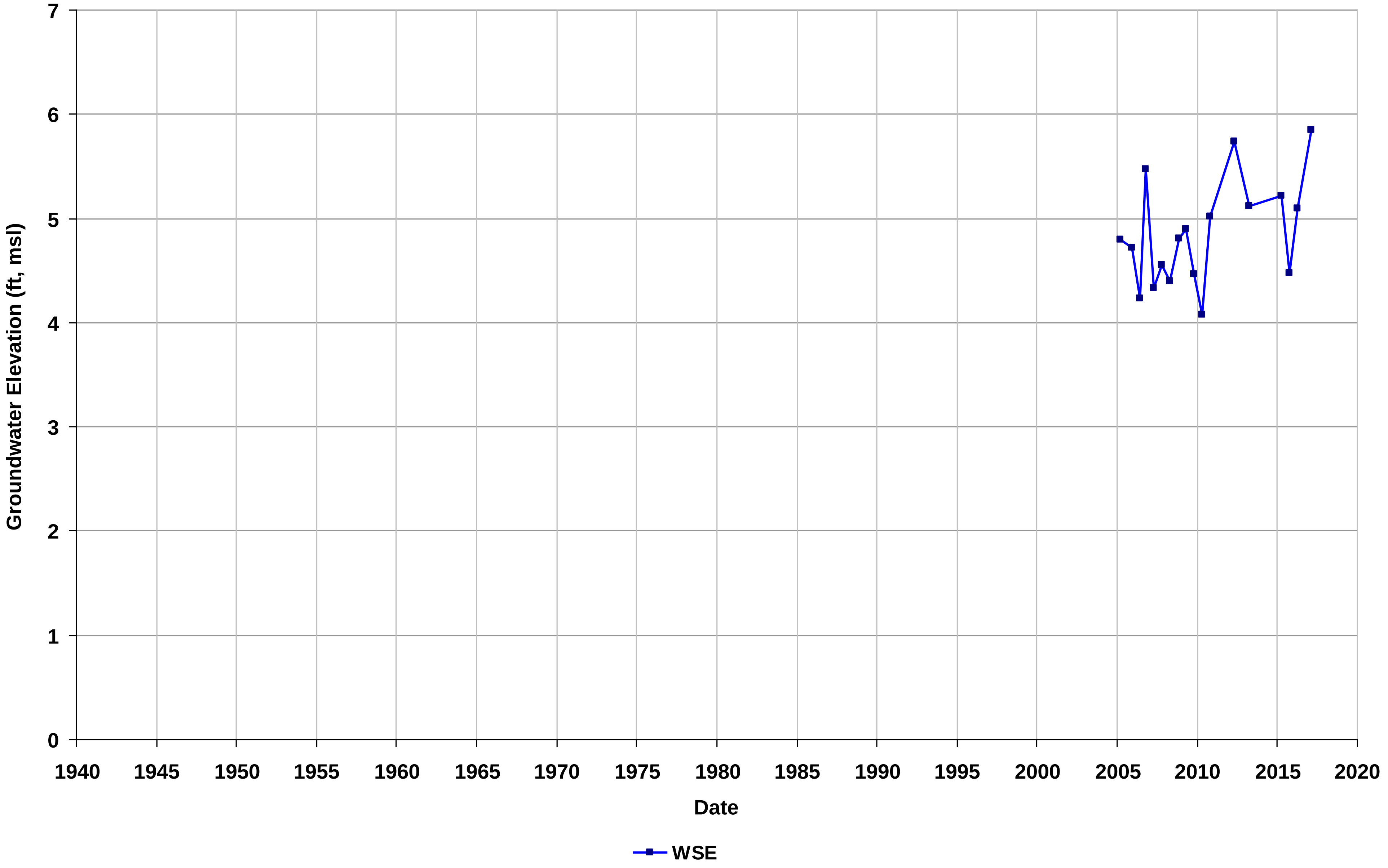
Well Name: SL18332752-MW-42A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-17
T/R/S: 01S/04W/29
Well Use: Observation



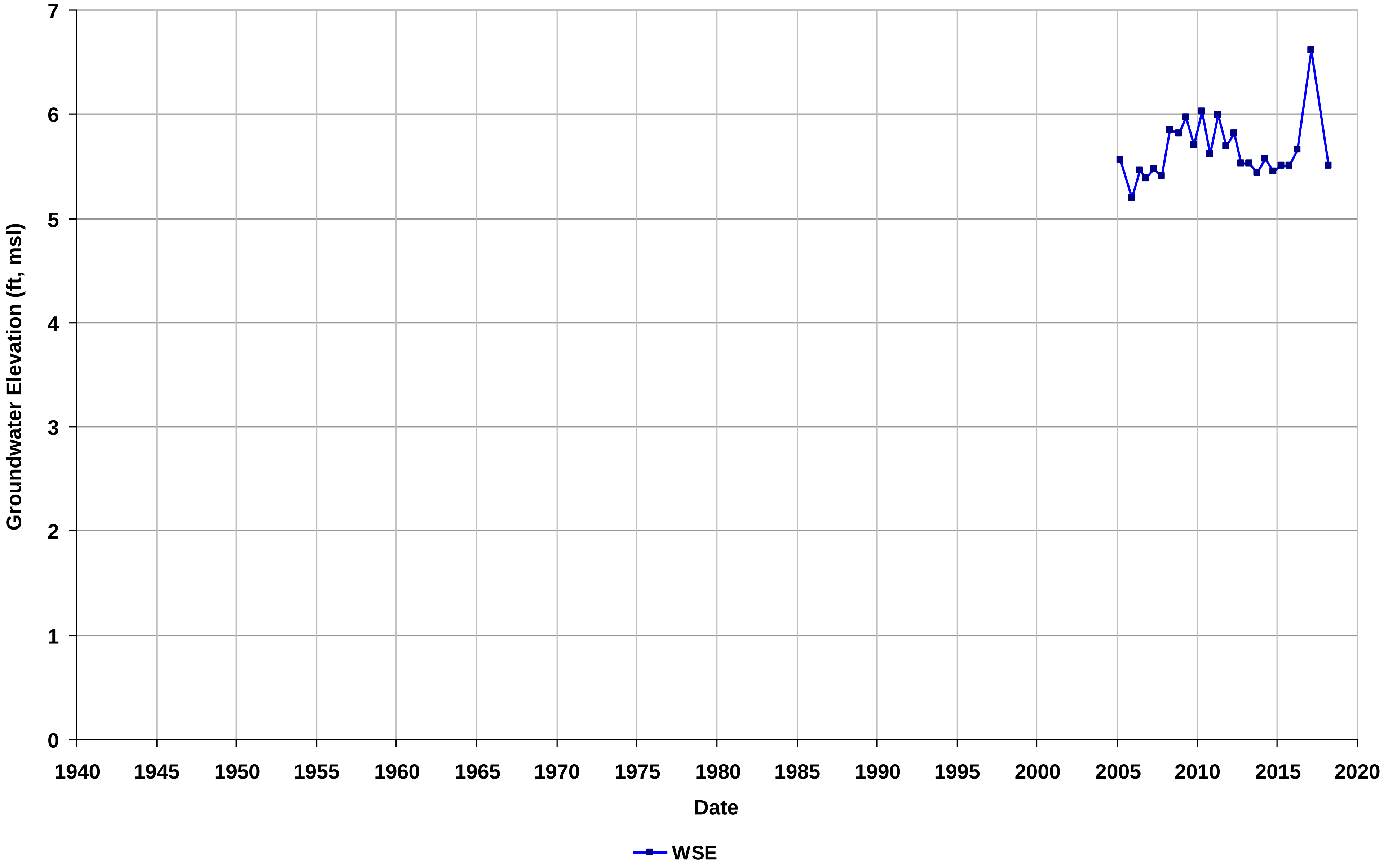
Well Name: SL18332752-MW-42B
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 29-34
T/R/S: 01S/04W/29
Well Use: Observation



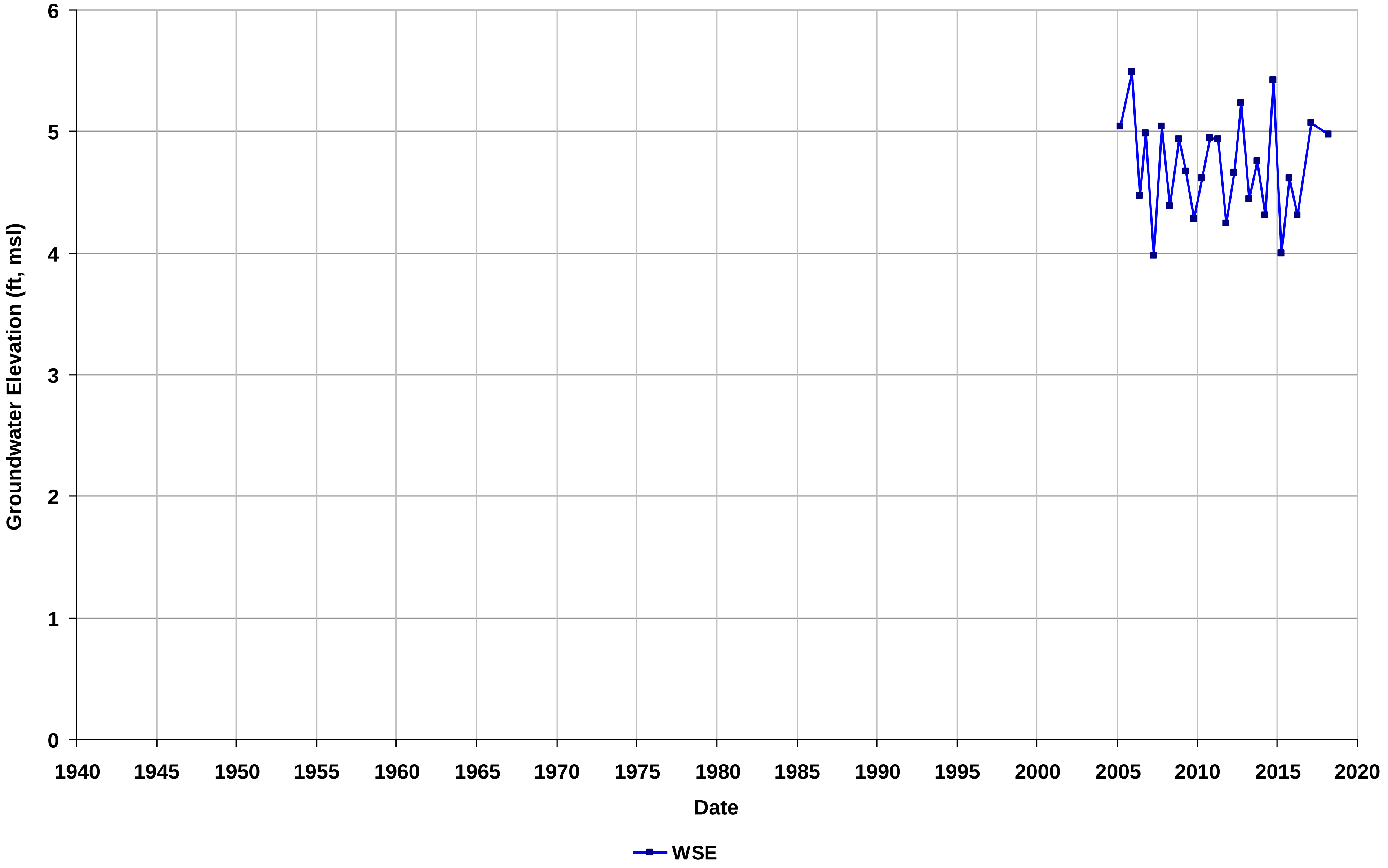
Well Name: SL18332752-MW-43
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-16
T/R/S: 01S/04W/29
Well Use: Observation



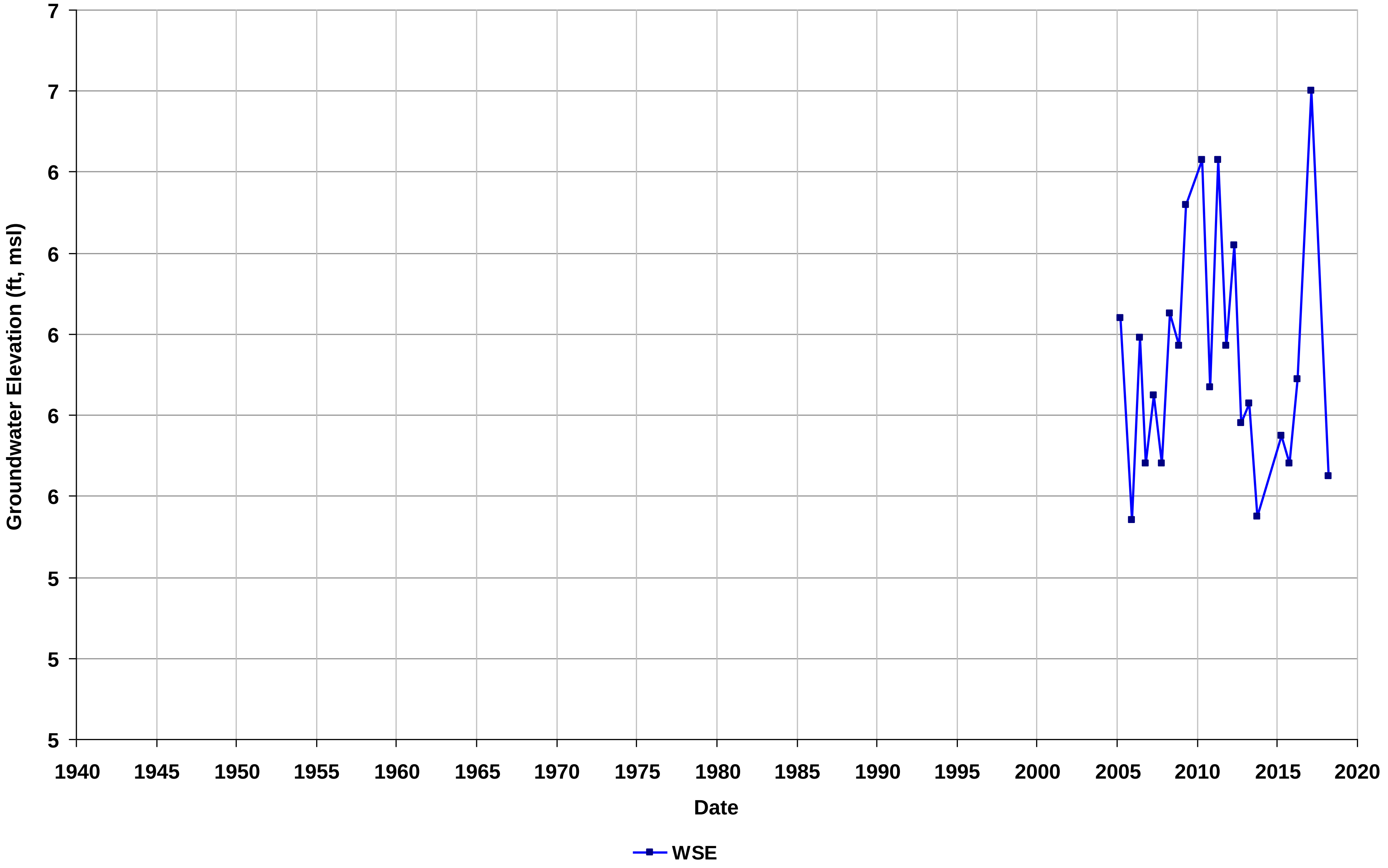
Well Name: SL18332752-MW-44
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-19
T/R/S: 01S/04W/29
Well Use: Observation



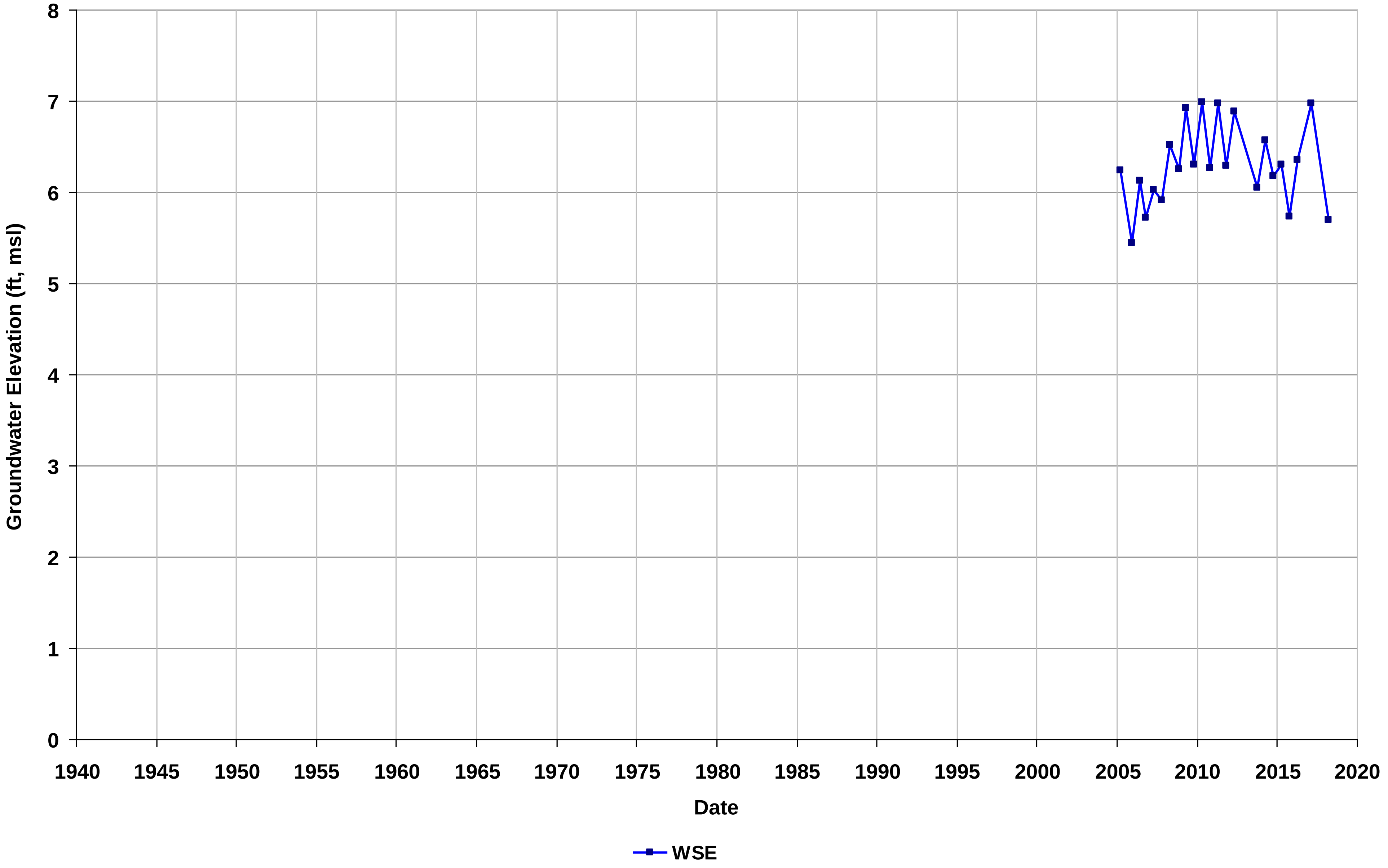
Well Name: SL18332752-MW-45
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-15
T/R/S: 01S/04W/29
Well Use: Observation



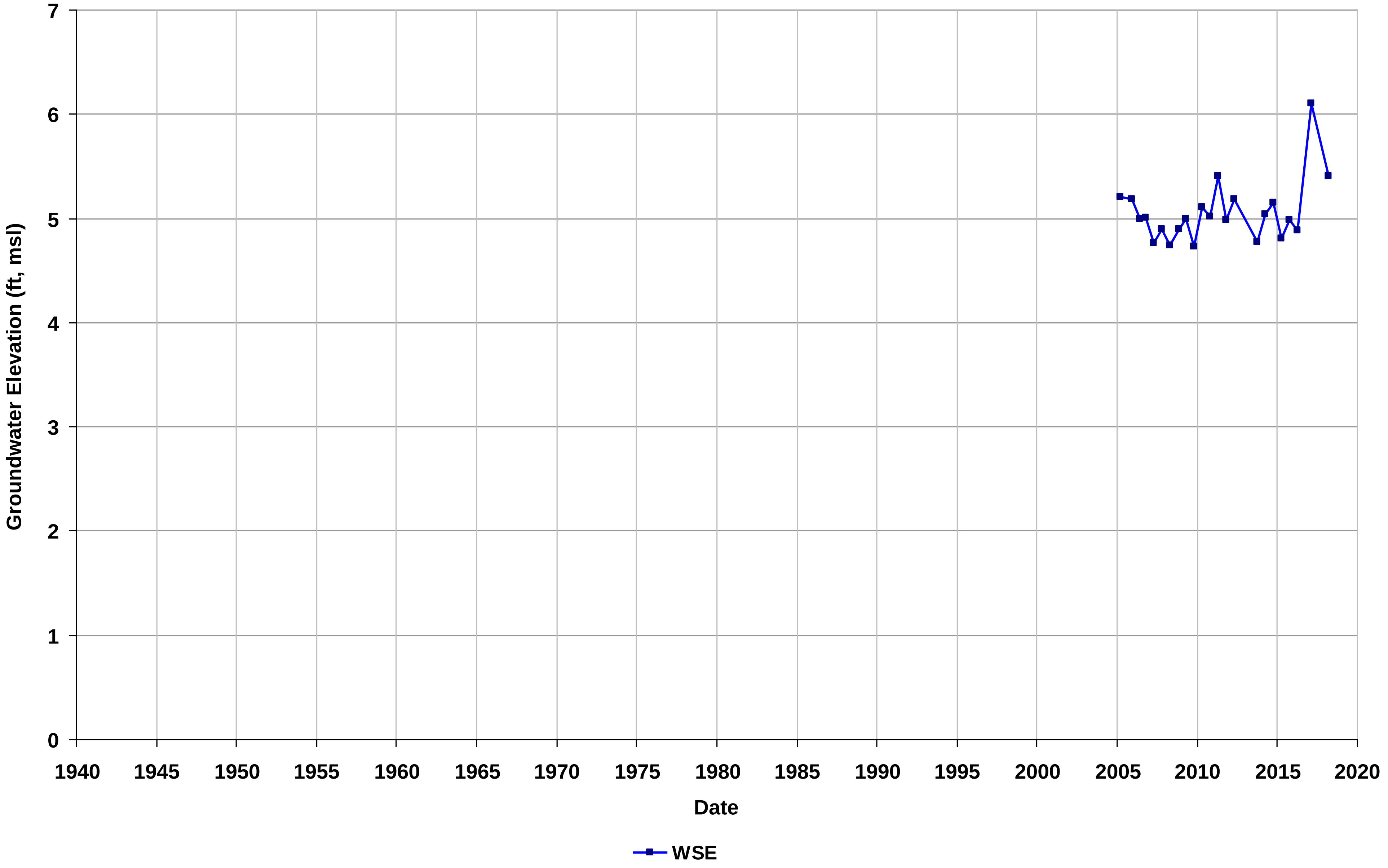
Well Name: SL18332752-MW-46A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-18
T/R/S: 01S/04W/29
Well Use: Observation



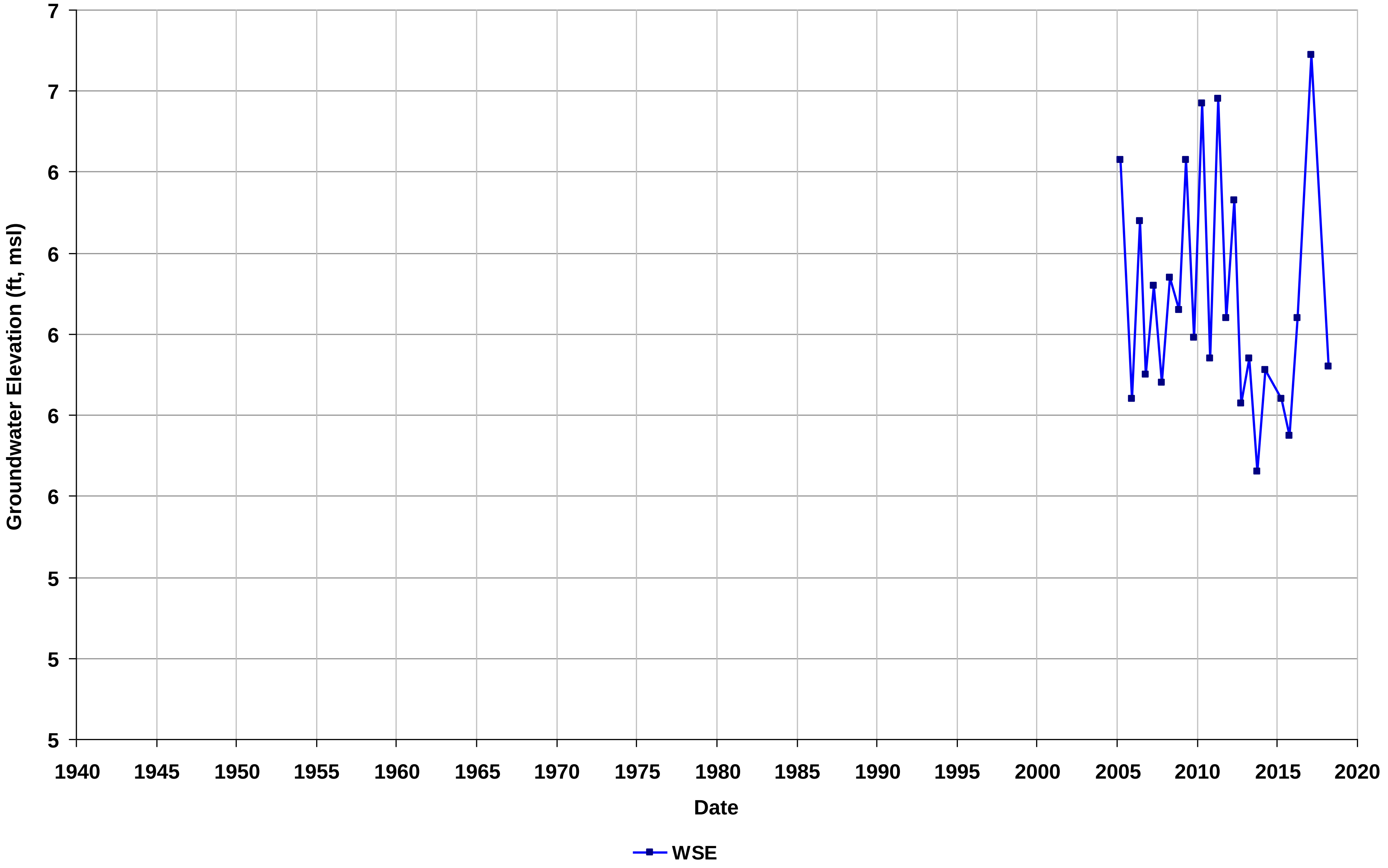
Well Name: SL18332752-MW-46B
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 29-34
T/R/S: 01S/04W/29
Well Use: Observation



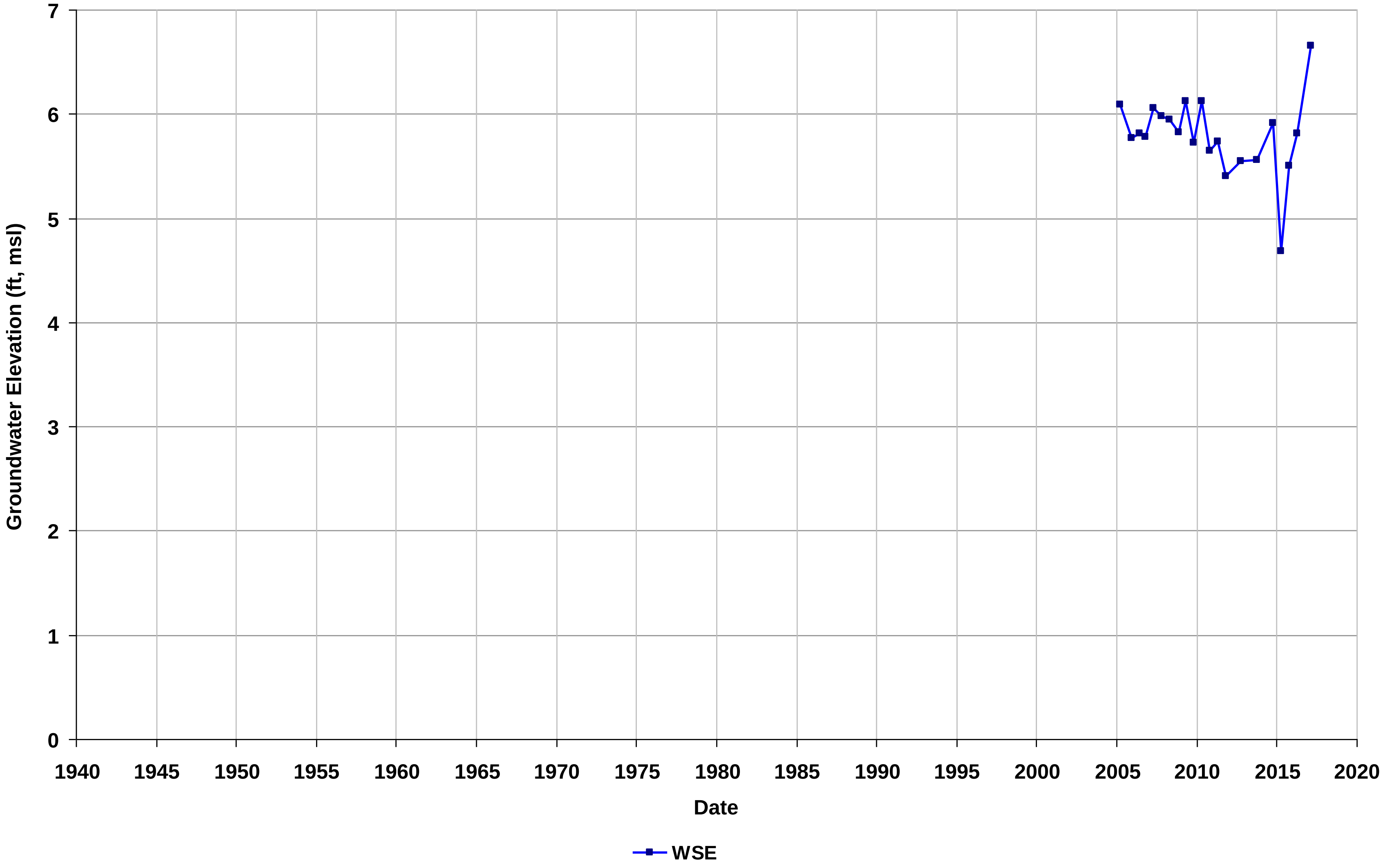
Well Name: SL18332752-MW-47
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-15
T/R/S: 01S/04W/29
Well Use: Observation



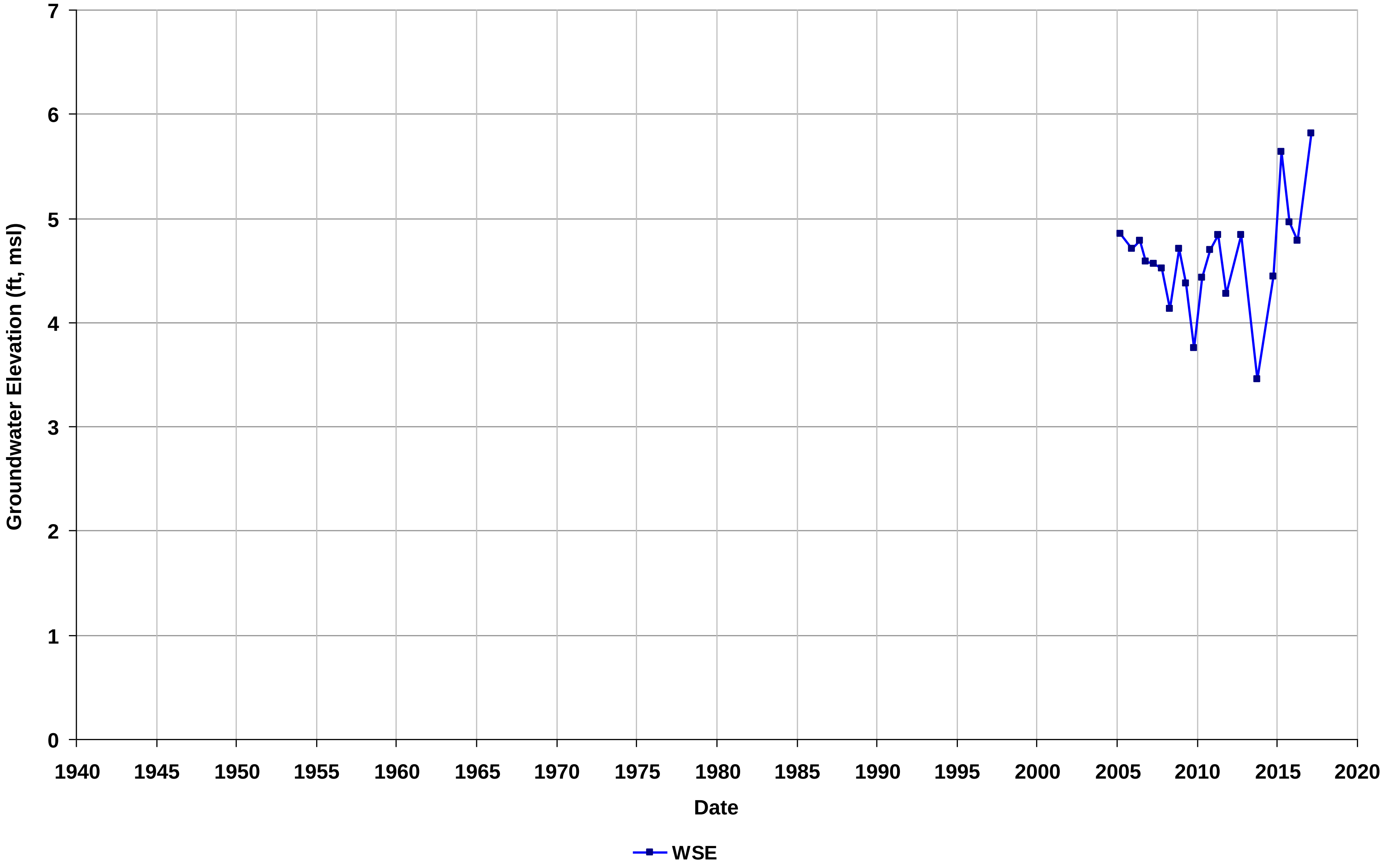
Well Name: SL18332752-MW-48A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-15
T/R/S: 01S/04W/29
Well Use: Observation



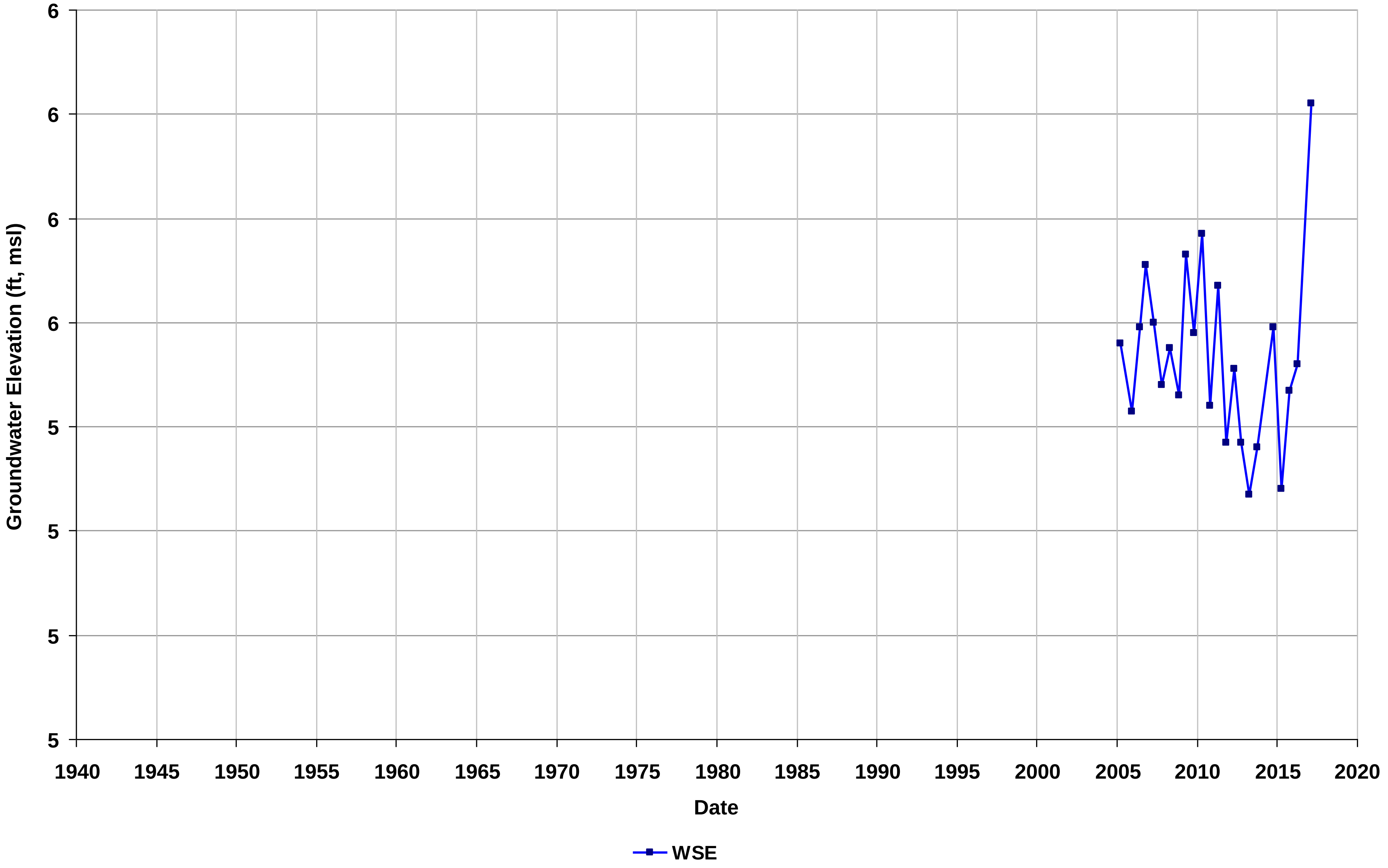
Well Name: SL18332752-MW-48B
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 29-34
T/R/S: 01S/04W/29
Well Use: Observation



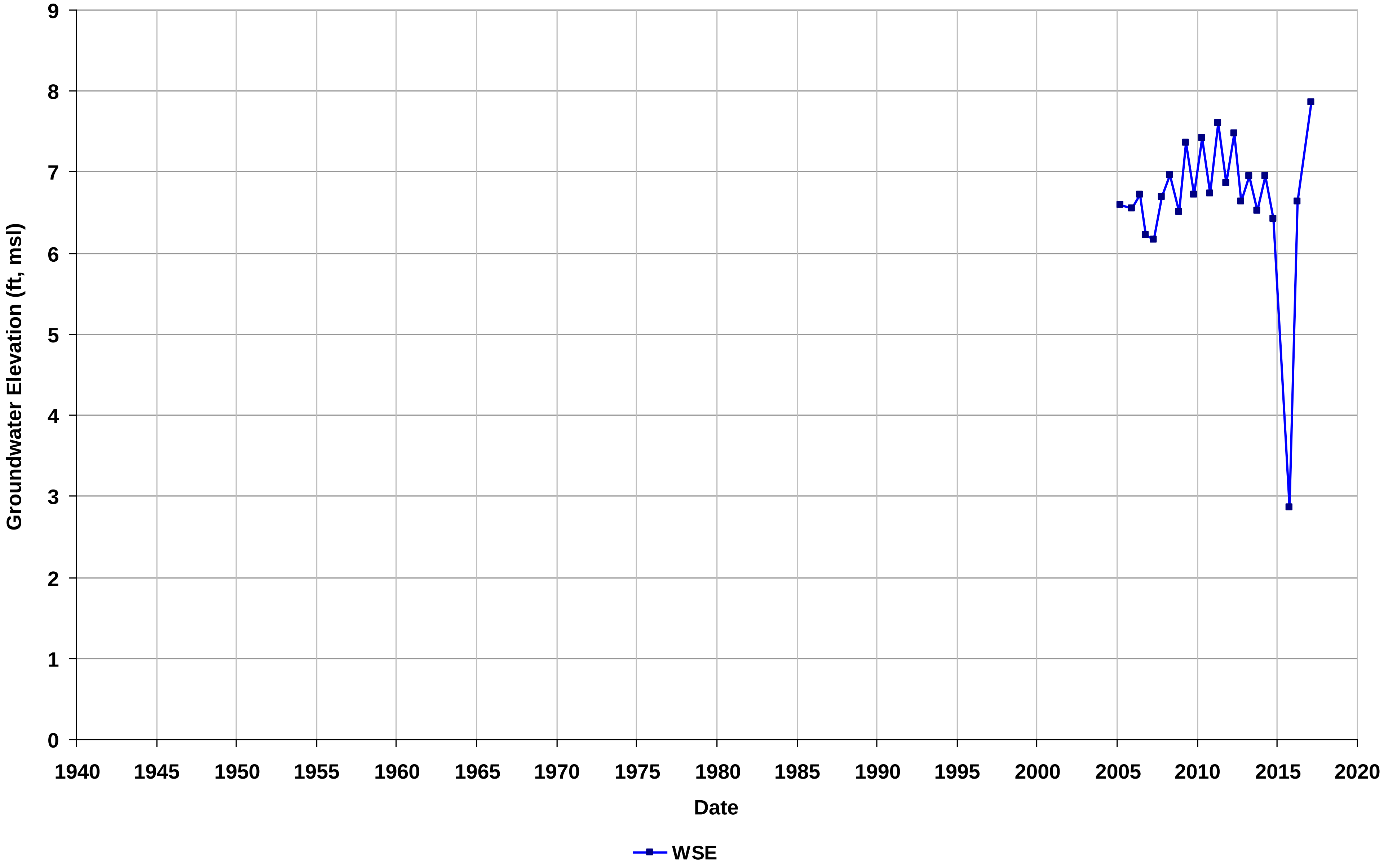
Well Name: SL18332752-MW-49
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-15
T/R/S: 01S/04W/29
Well Use: Observation



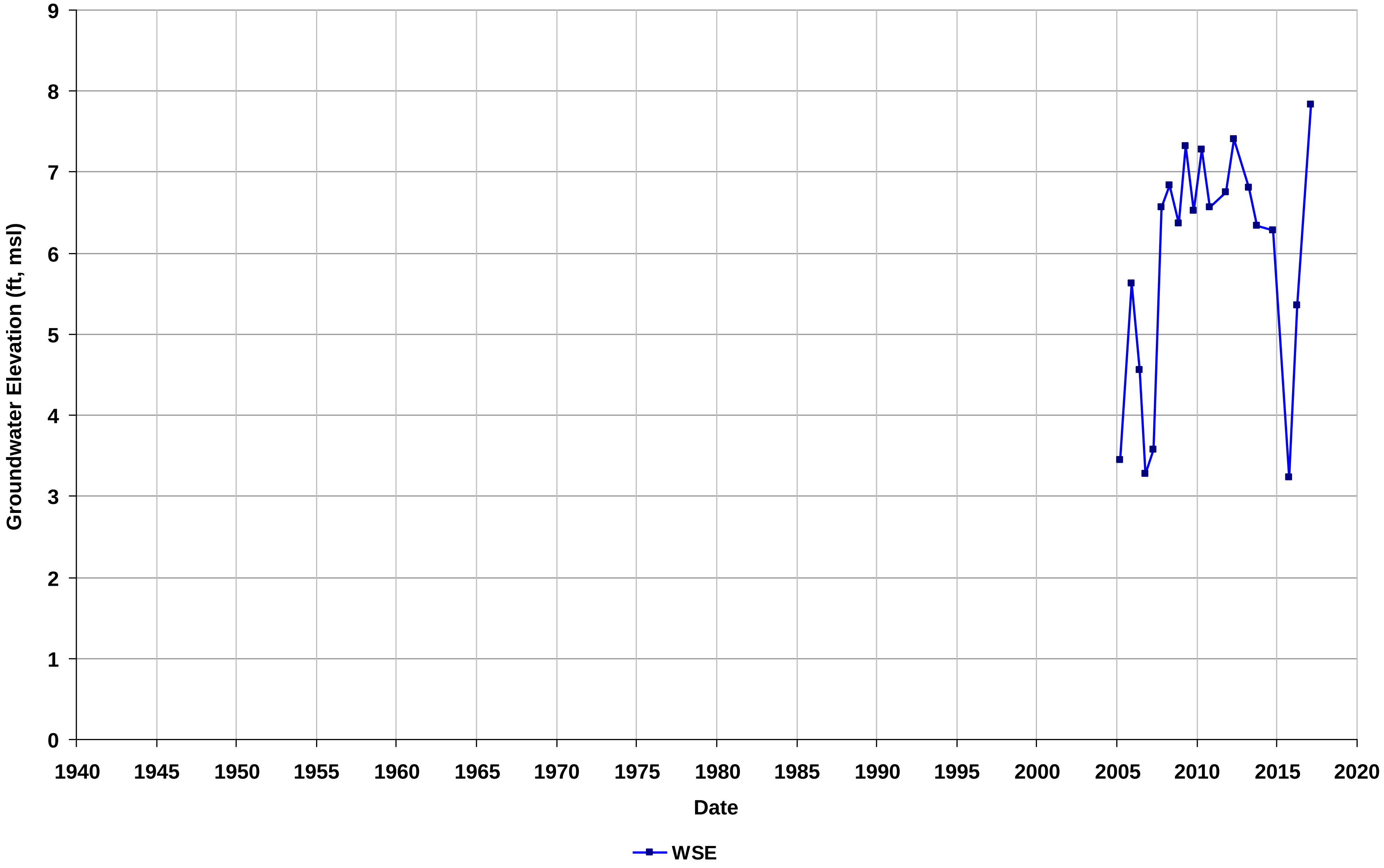
Well Name: SL18332752-MW-50
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 4-14
T/R/S: 01S/04W/28
Well Use: Observation



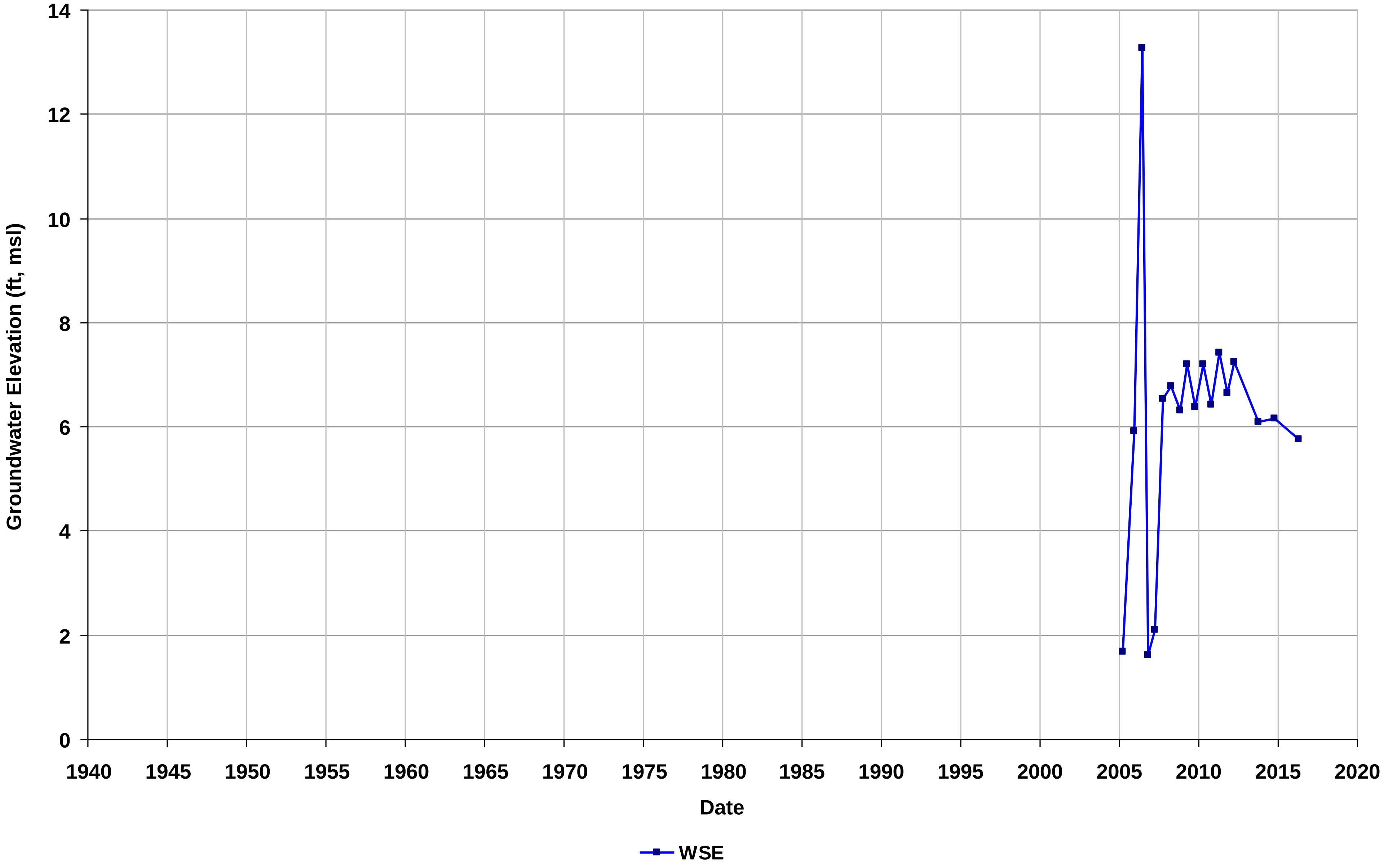
Well Name: SL18332752-MW-51
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 4-14
T/R/S: 01S/04W/28
Well Use: Observation



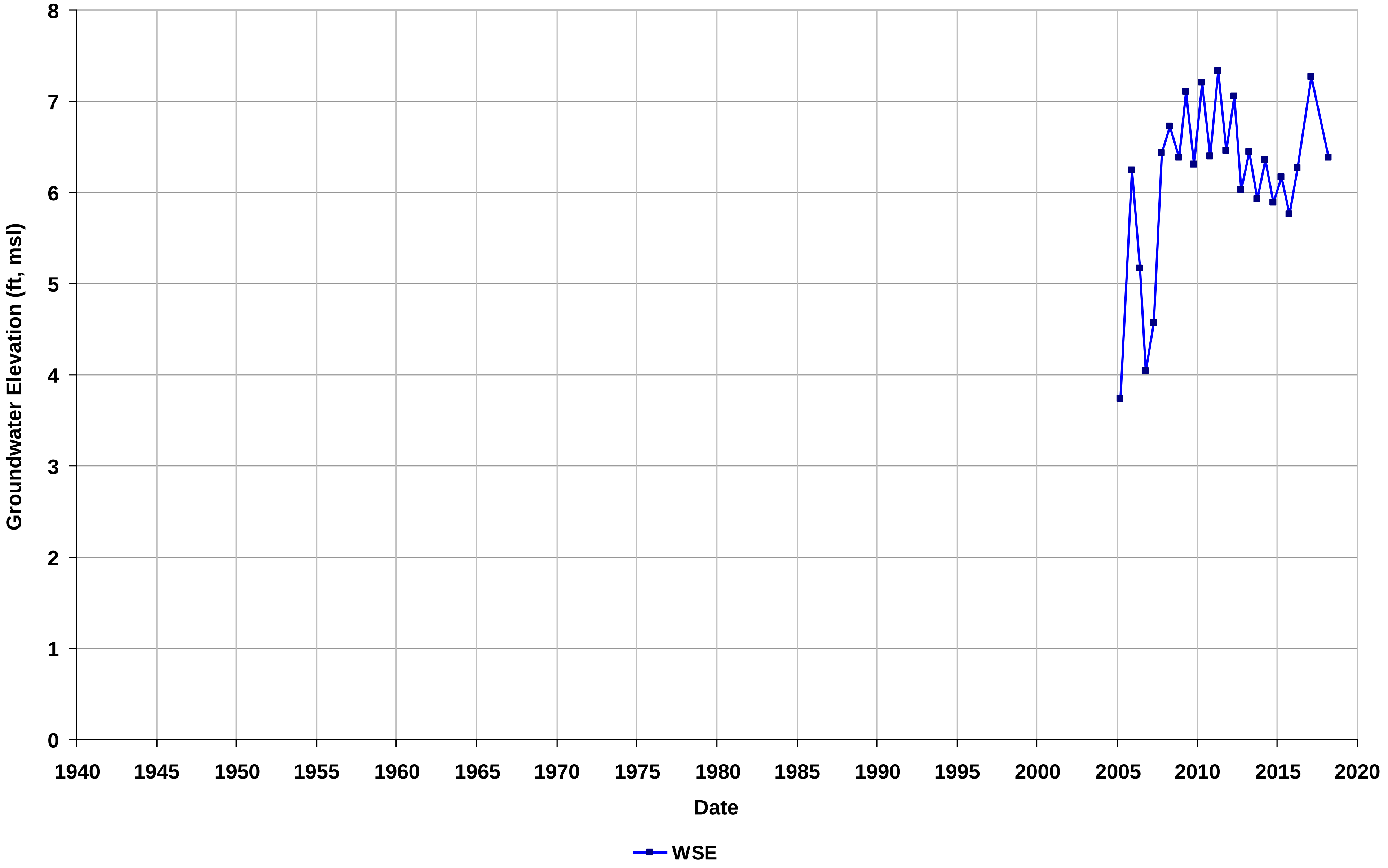
Well Name: SL18332752-MW-52
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 4-14
T/R/S: 01S/04W/28
Well Use: Observation



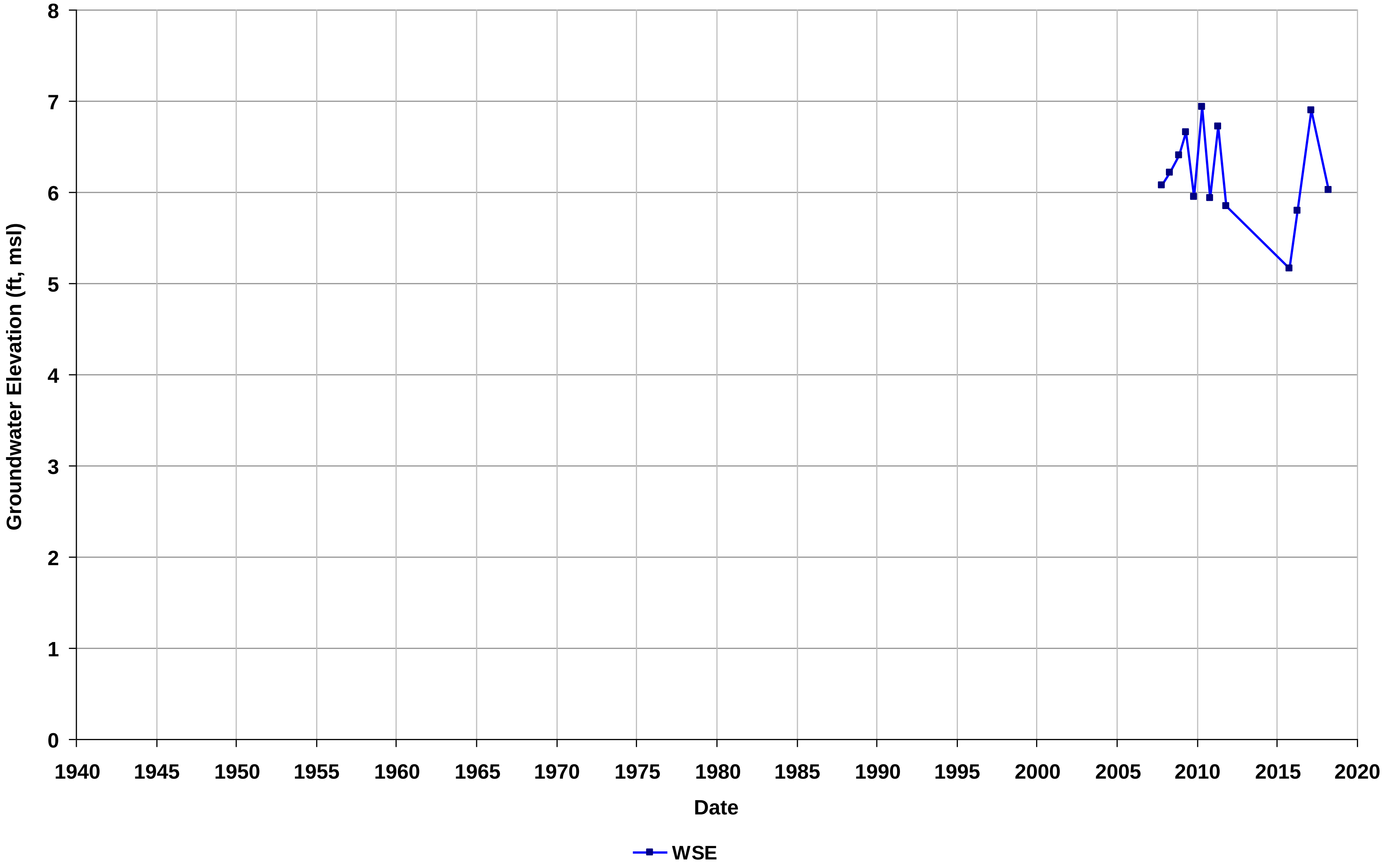
Well Name: SL18332752-MW-53
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 4-14
T/R/S: 01S/04W/28
Well Use: Observation



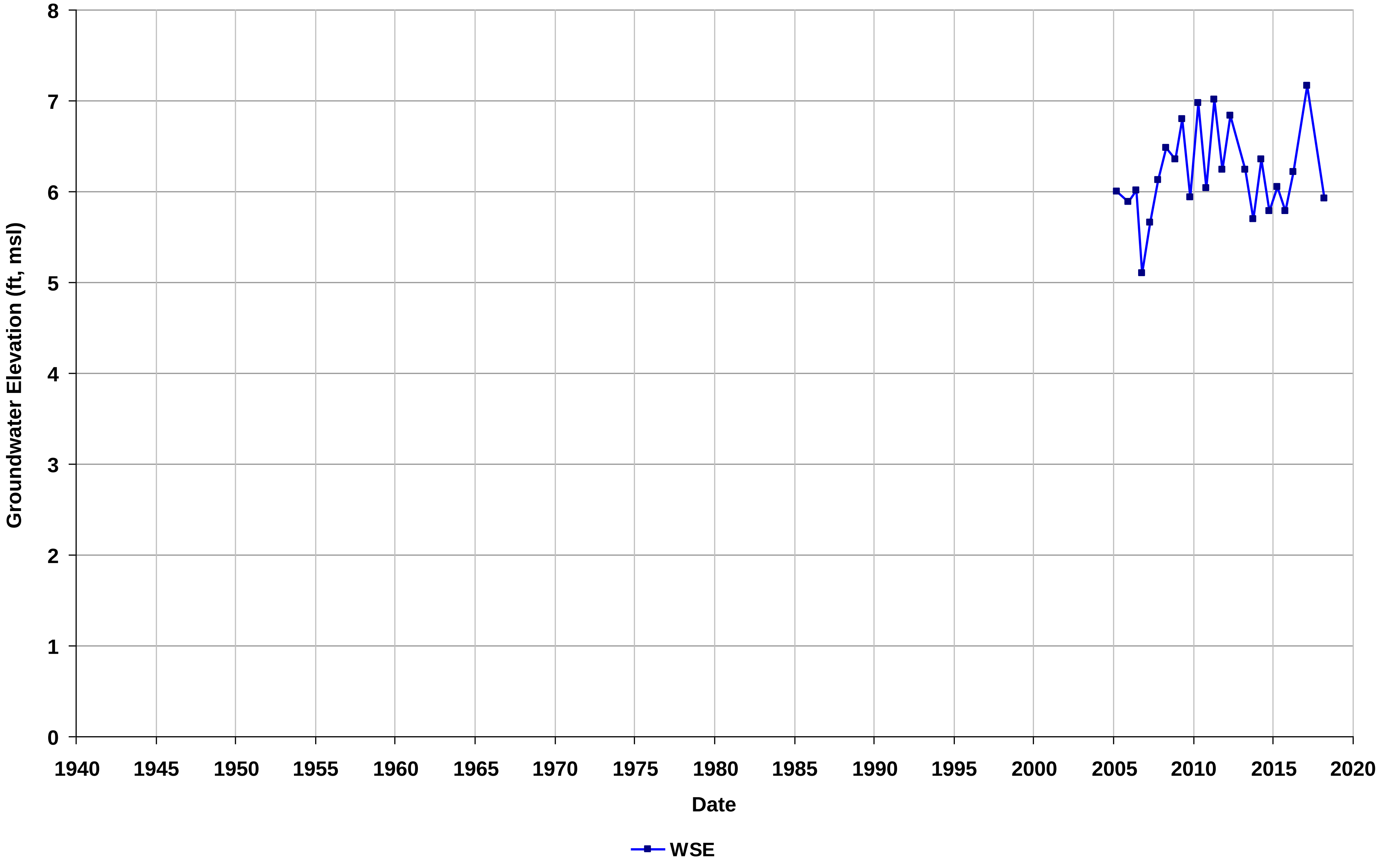
Well Name: SL18332752-MW-54X
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-15
T/R/S: 01S/04W/28
Well Use: Observation



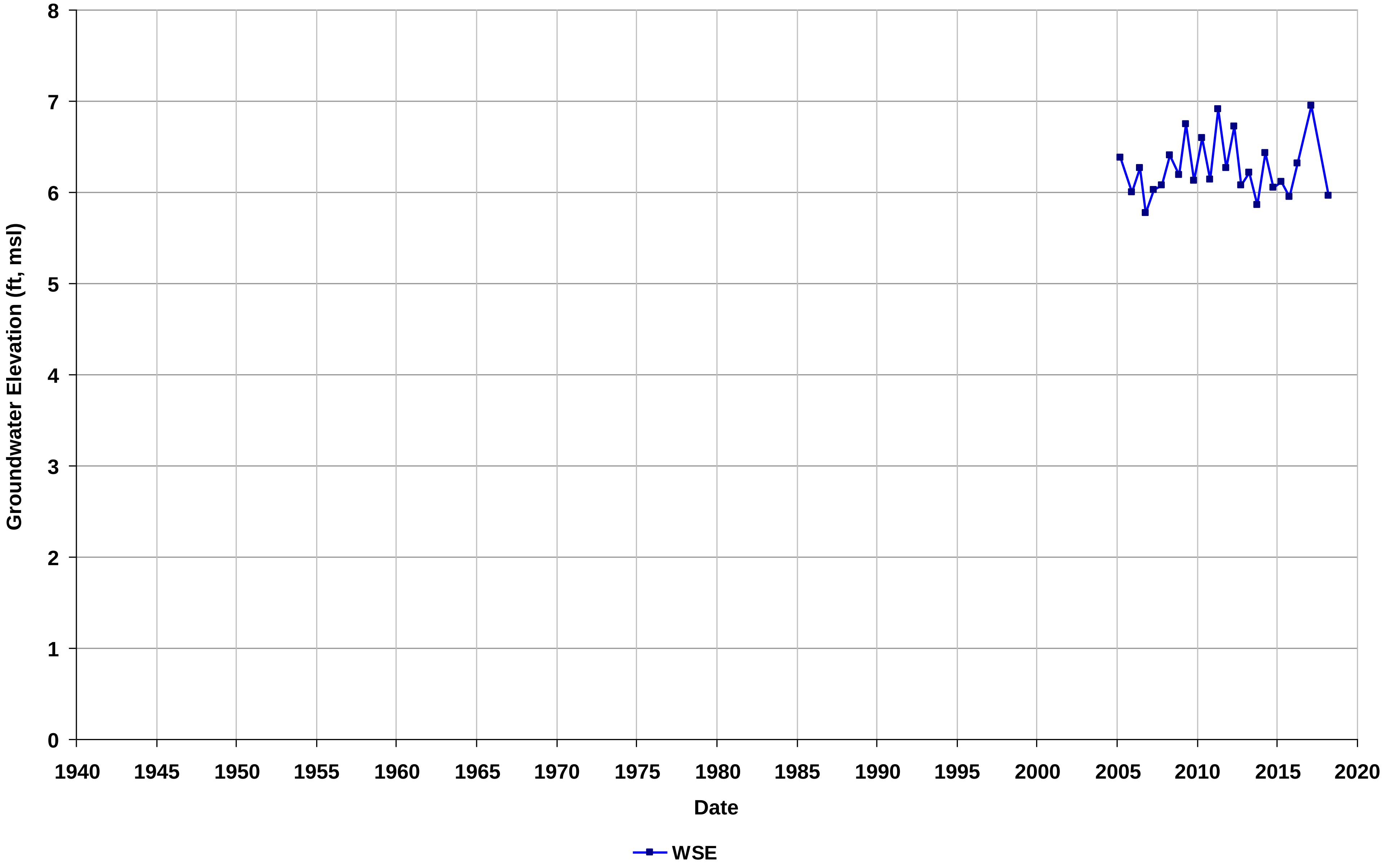
Well Name: SL18332752-MW-55
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 4-14
T/R/S: 01S/04W/28
Well Use: Observation



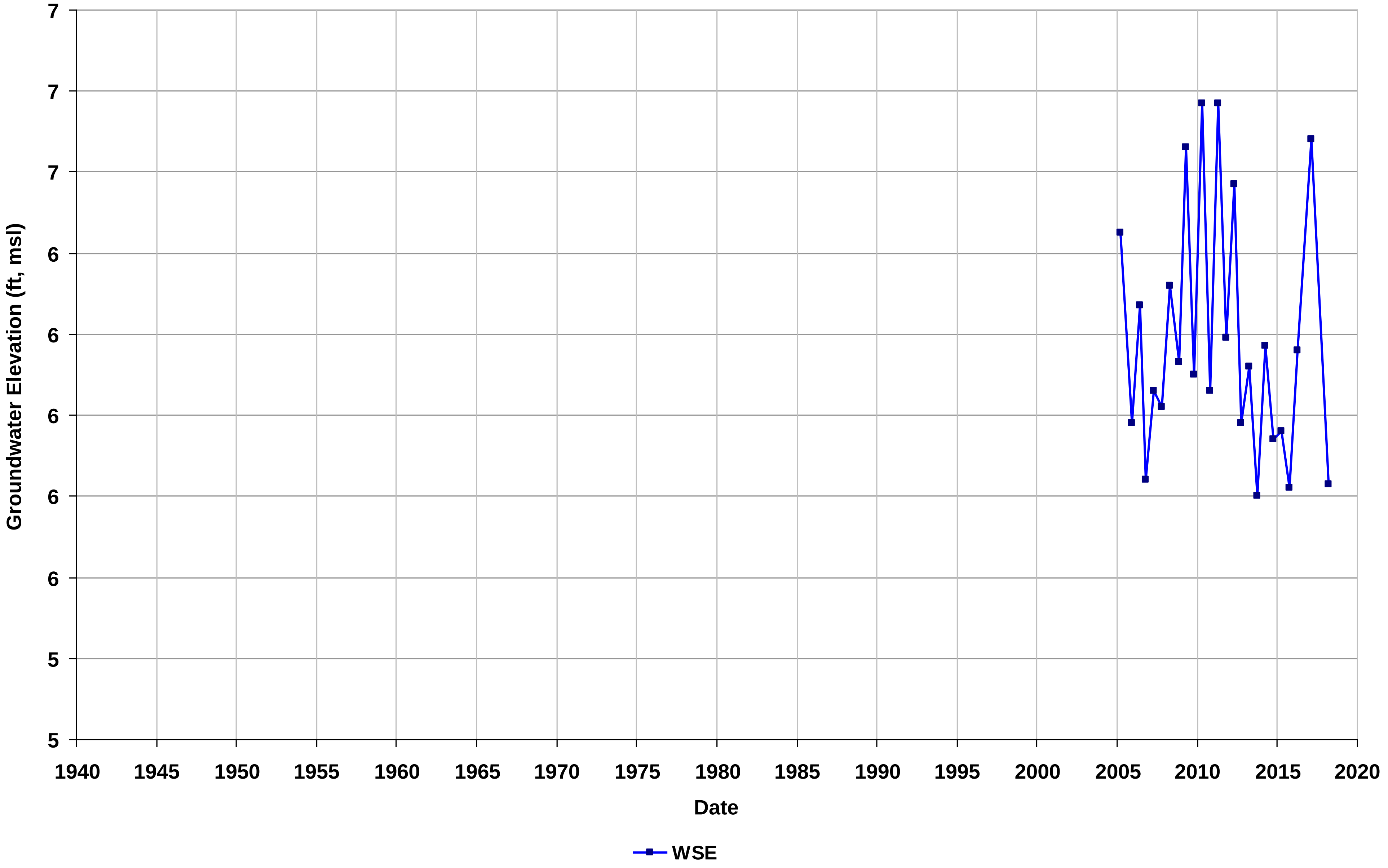
Well Name: SL18332752-MW-56
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 4-14
T/R/S: 01S/04W/29
Well Use: Observation



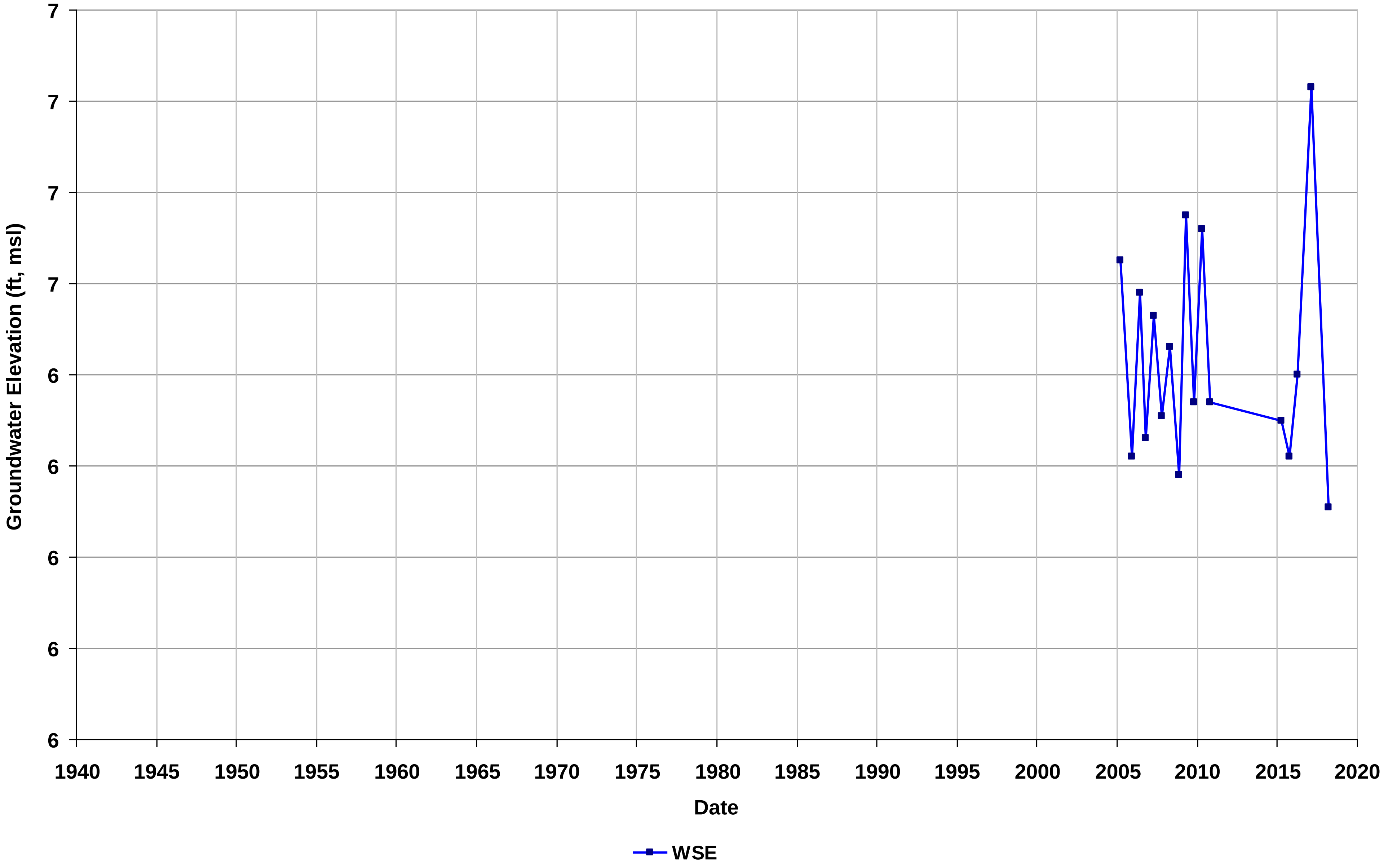
Well Name: SL18332752-MW-57
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 4-14
T/R/S: 01S/04W/29
Well Use: Observation



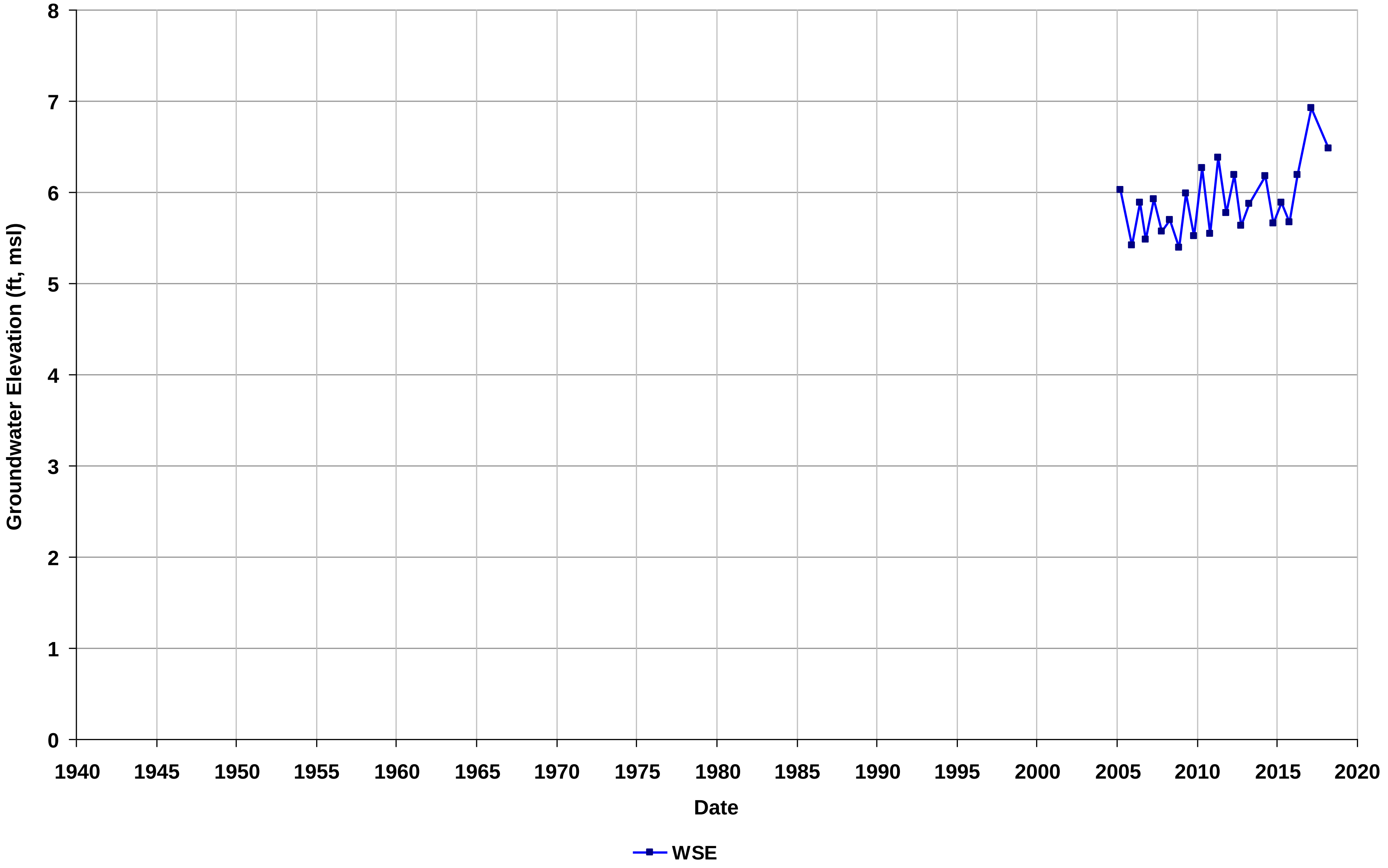
Well Name: SL18332752-MW-58
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 4-14
T/R/S: 01S/04W/28
Well Use: Observation



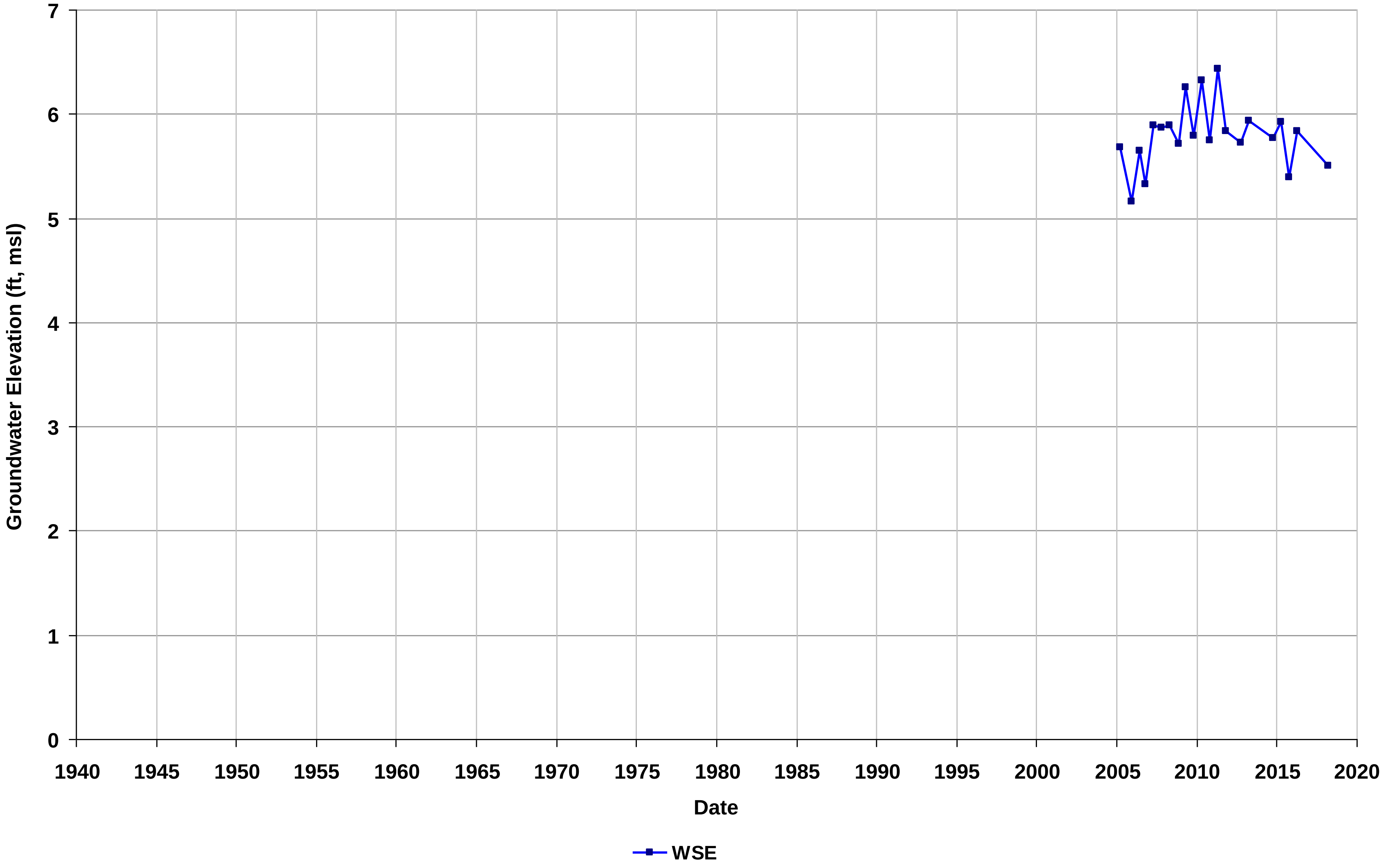
Well Name: SL18332752-MW-59
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 4-14
T/R/S: 01S/04W/29
Well Use: Observation



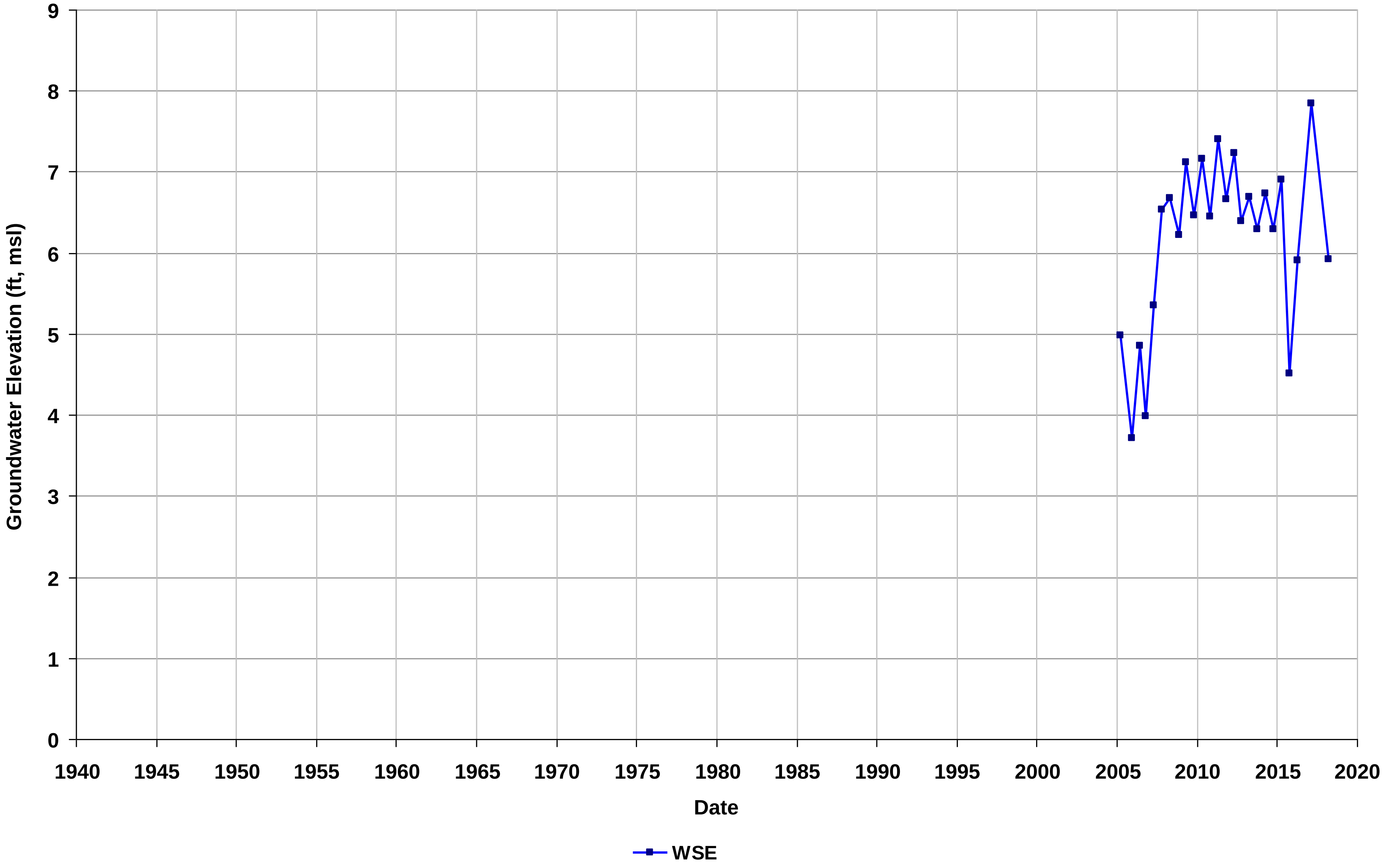
Well Name: SL18332752-MW-60
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 4-14
T/R/S: 01S/04W/29
Well Use: Observation



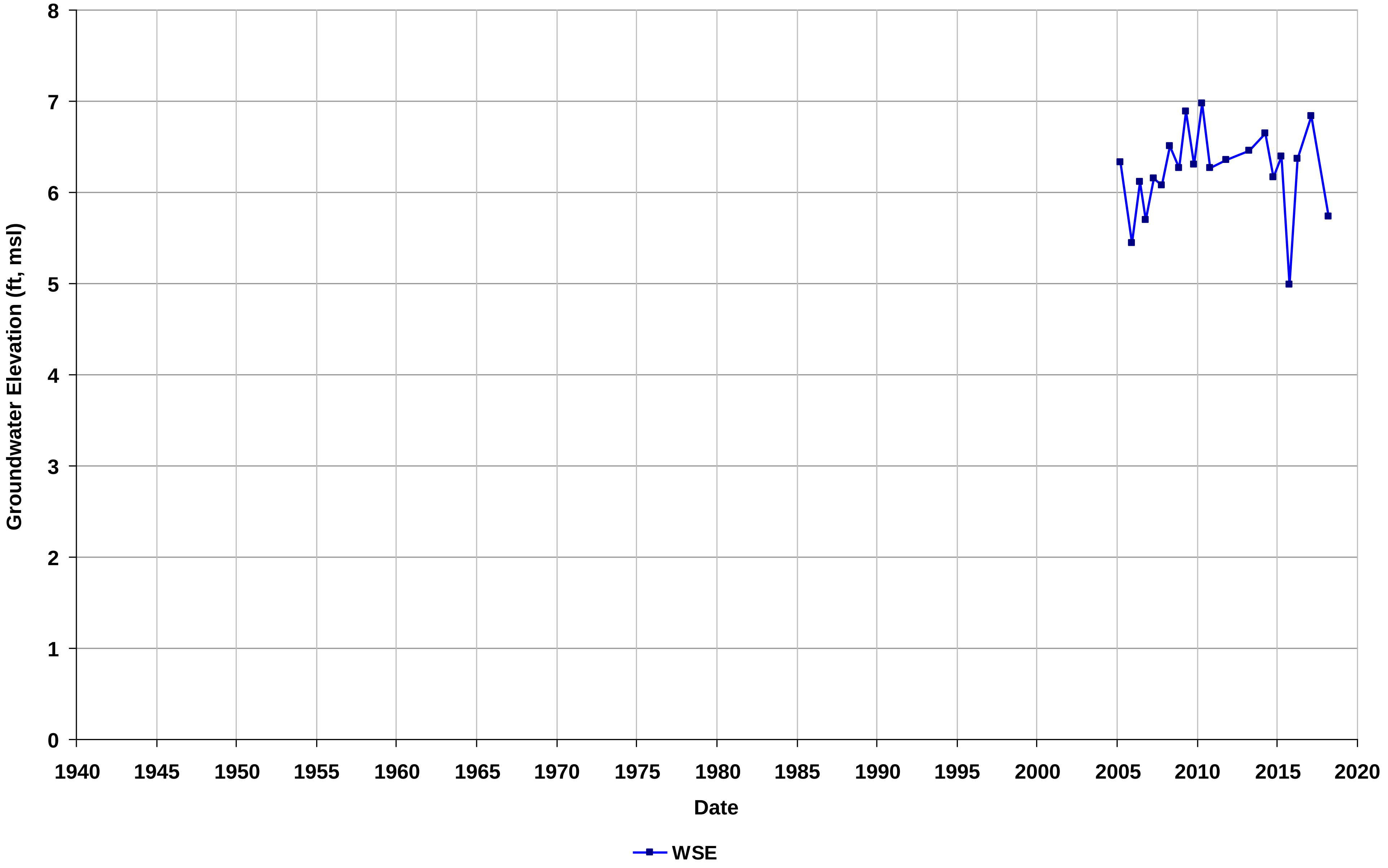
Well Name: SL18332752-MW-61
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 4-14
T/R/S: 01S/04W/28
Well Use: Observation



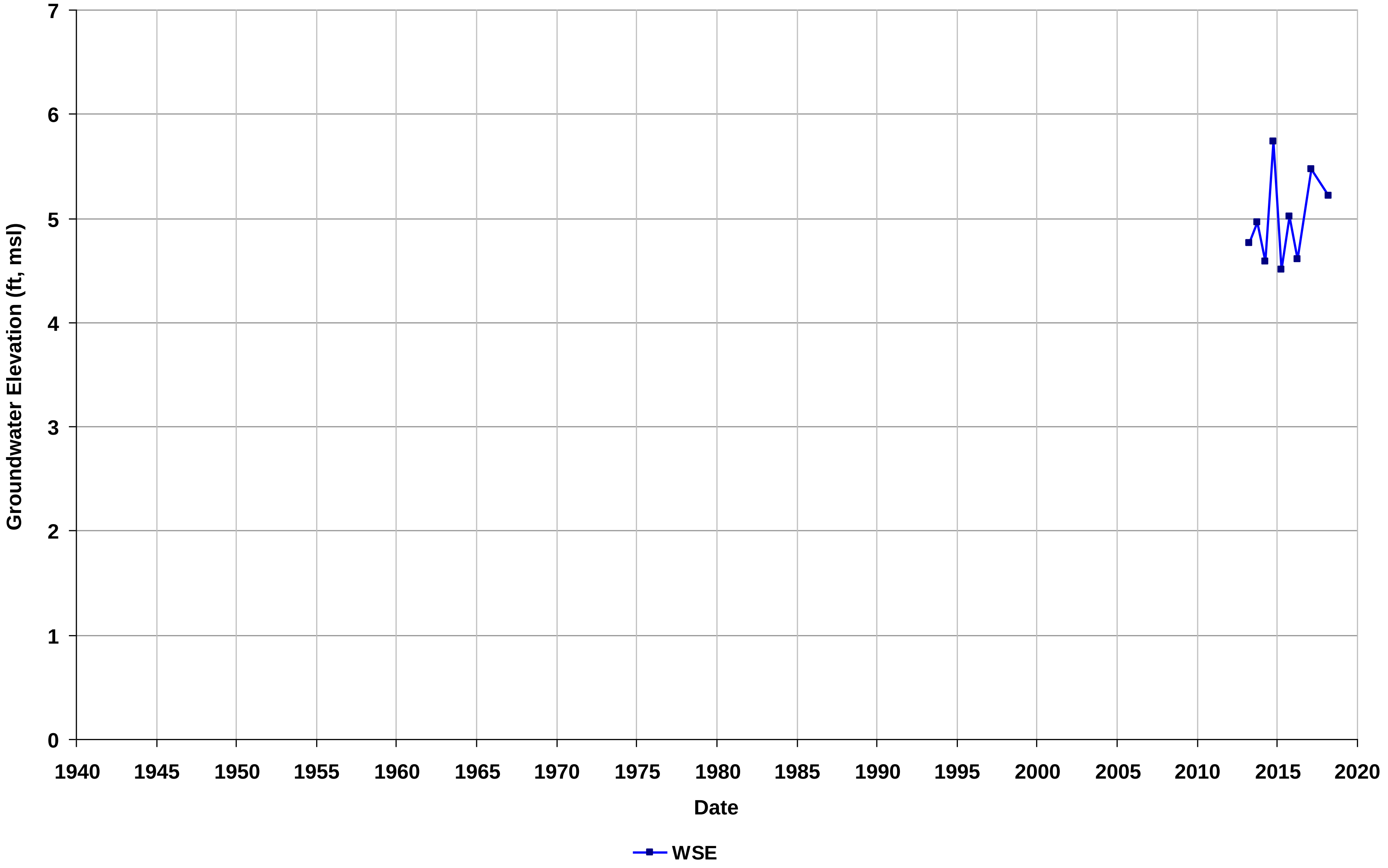
Well Name: SL18332752-MW-62
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 4-14
T/R/S: 01S/04W/29
Well Use: Observation



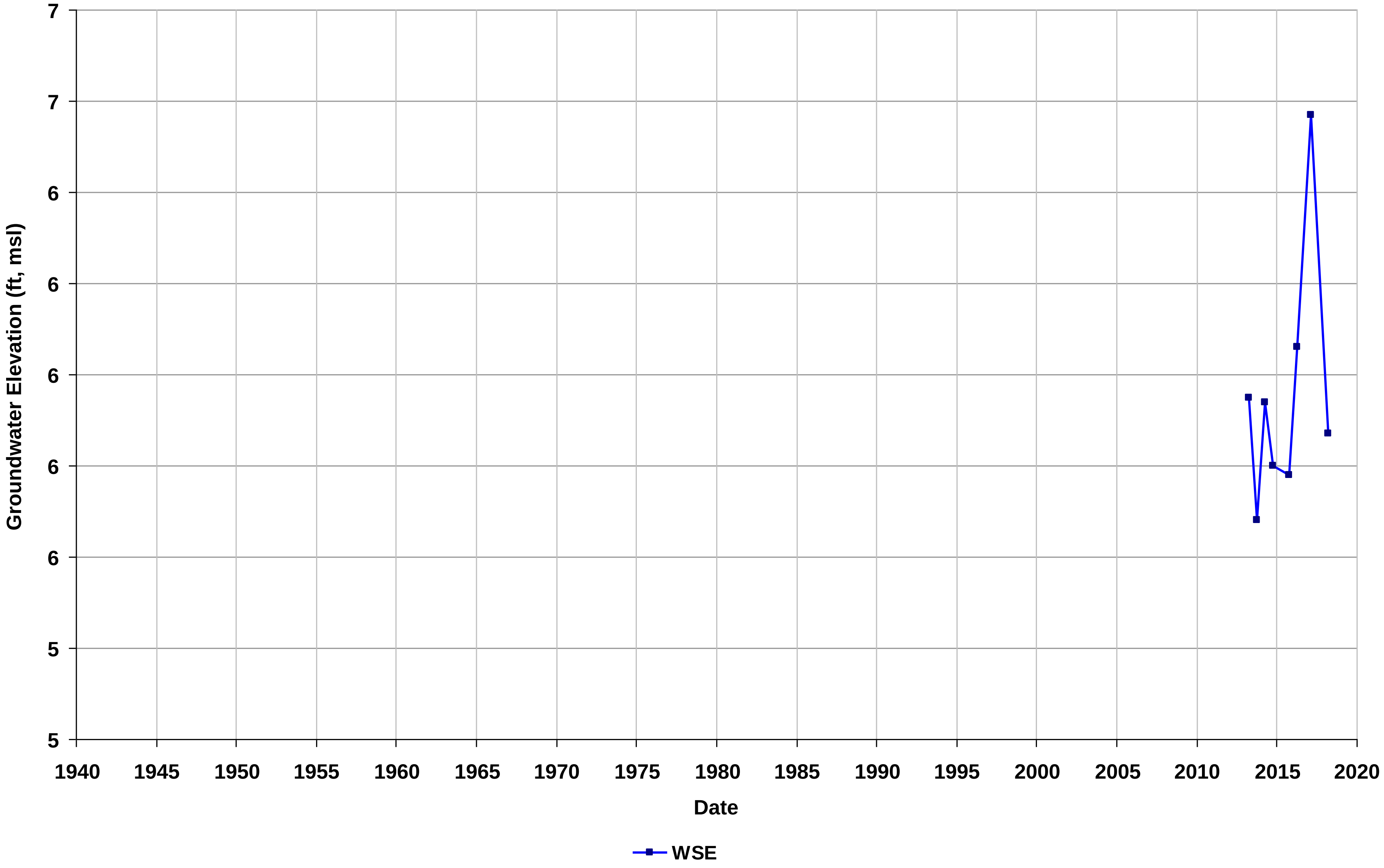
Well Name: SL18332752-MW-65
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5.5-16
T/R/S: 01S/04W/29
Well Use: Observation



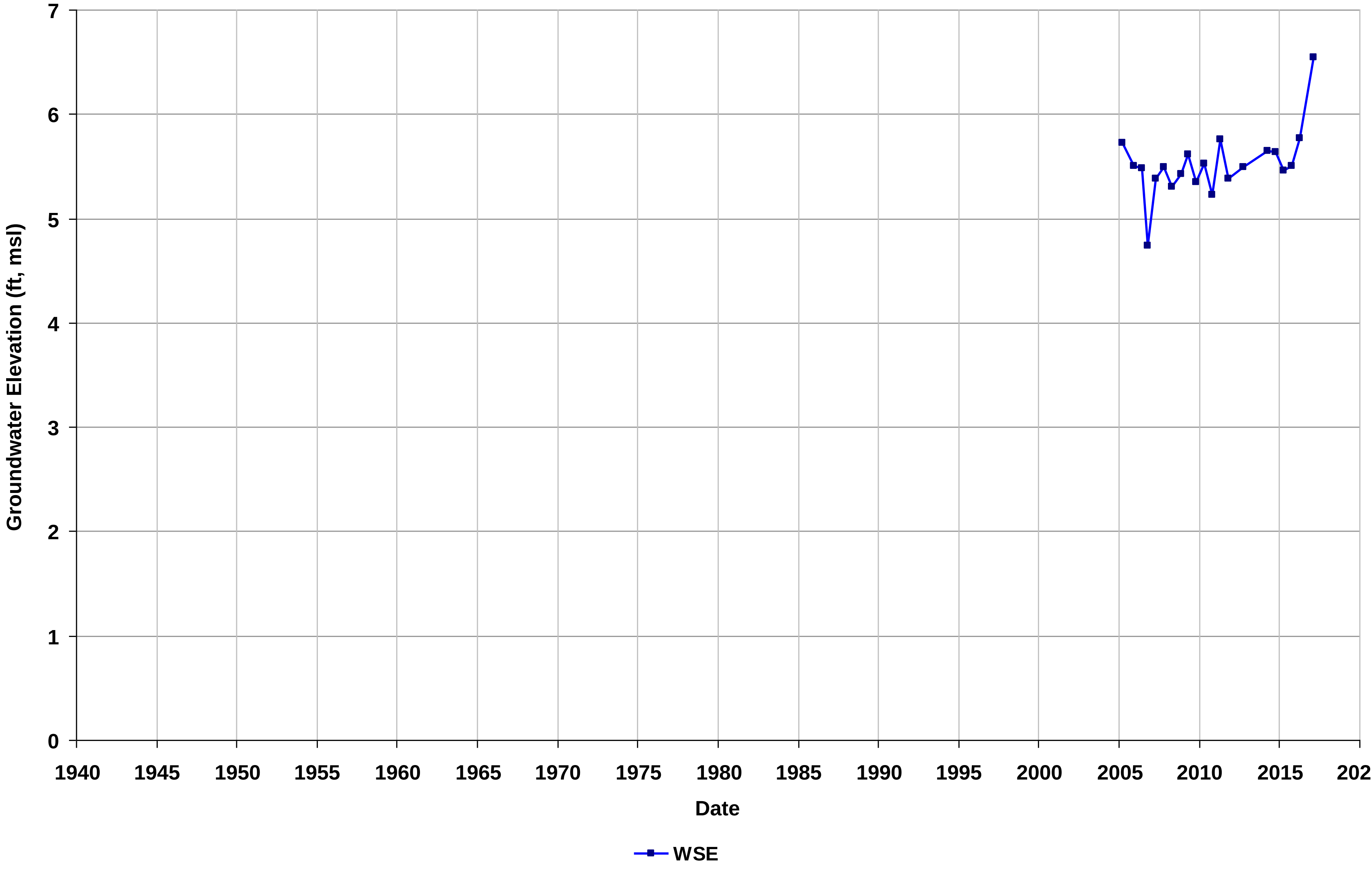
Well Name: SL18332752-MW-66
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 4-14
T/R/S: 01S/04W/29
Well Use: Observation



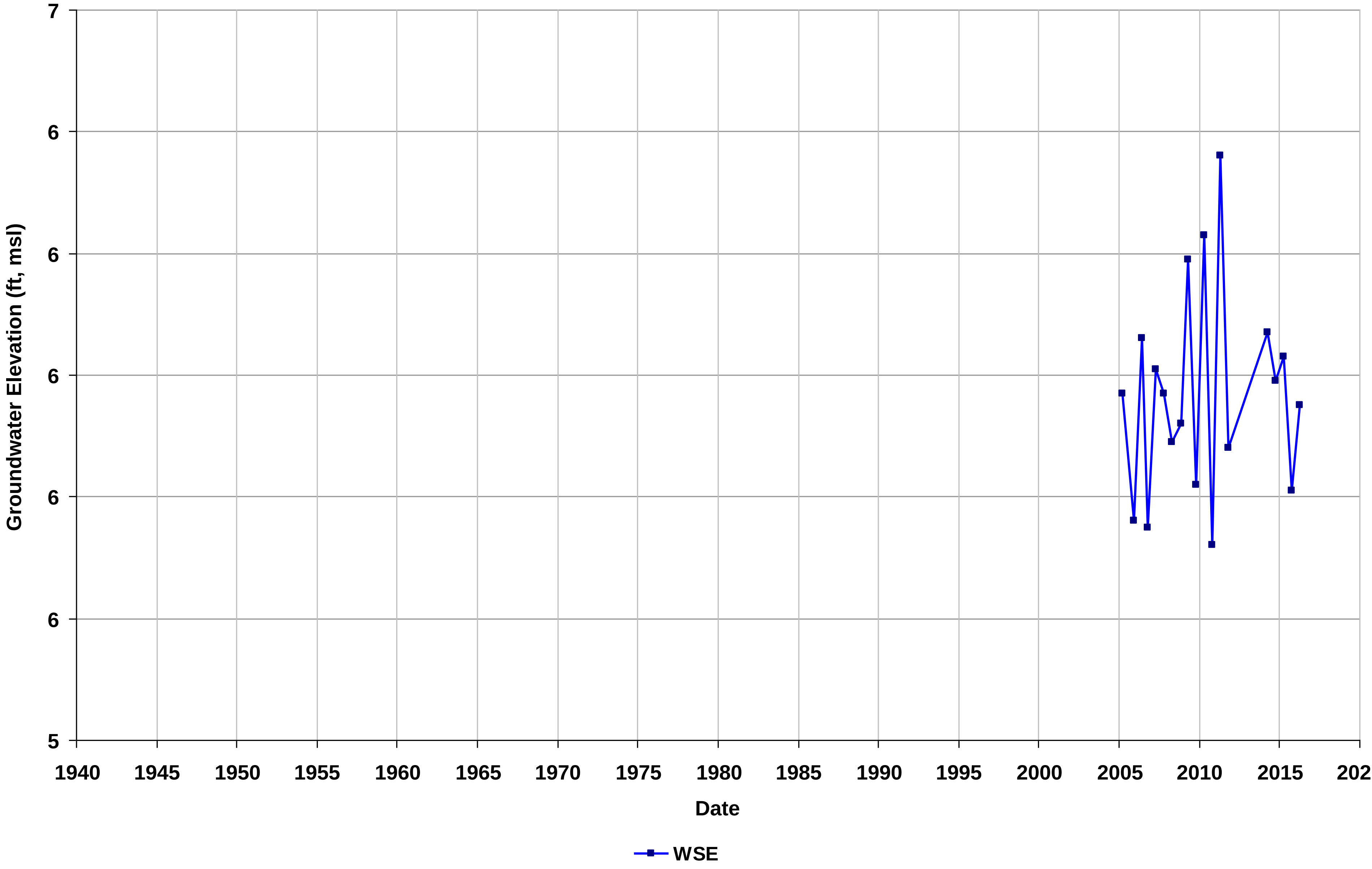
Well Name: SL18332752-MW-A1
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-20
T/R/S: 01S/04W/29
Well Use: Observation



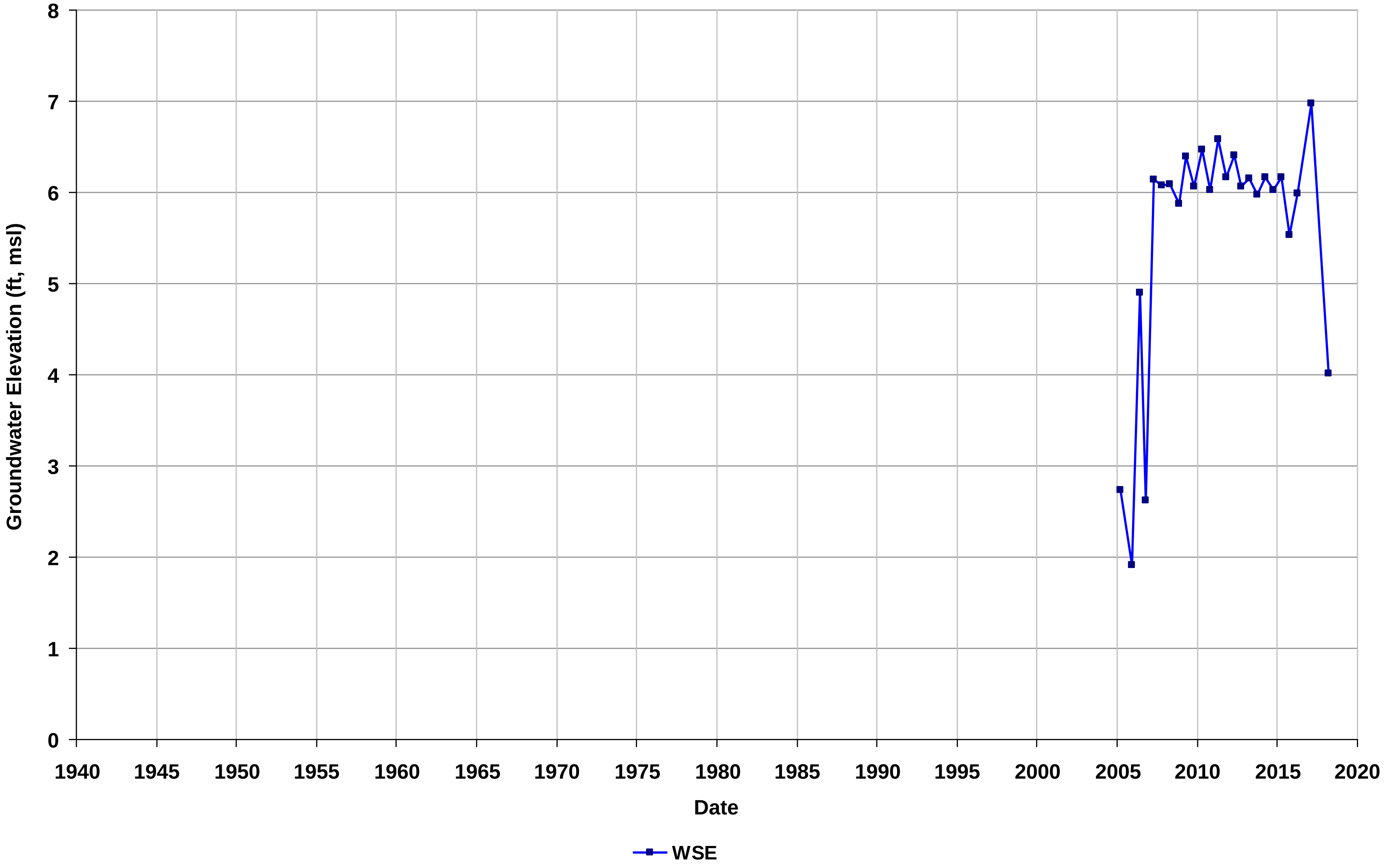
Well Name: SL18332752-MW-A2
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-19
T/R/S: 01S/04W/29
Well Use: Observation



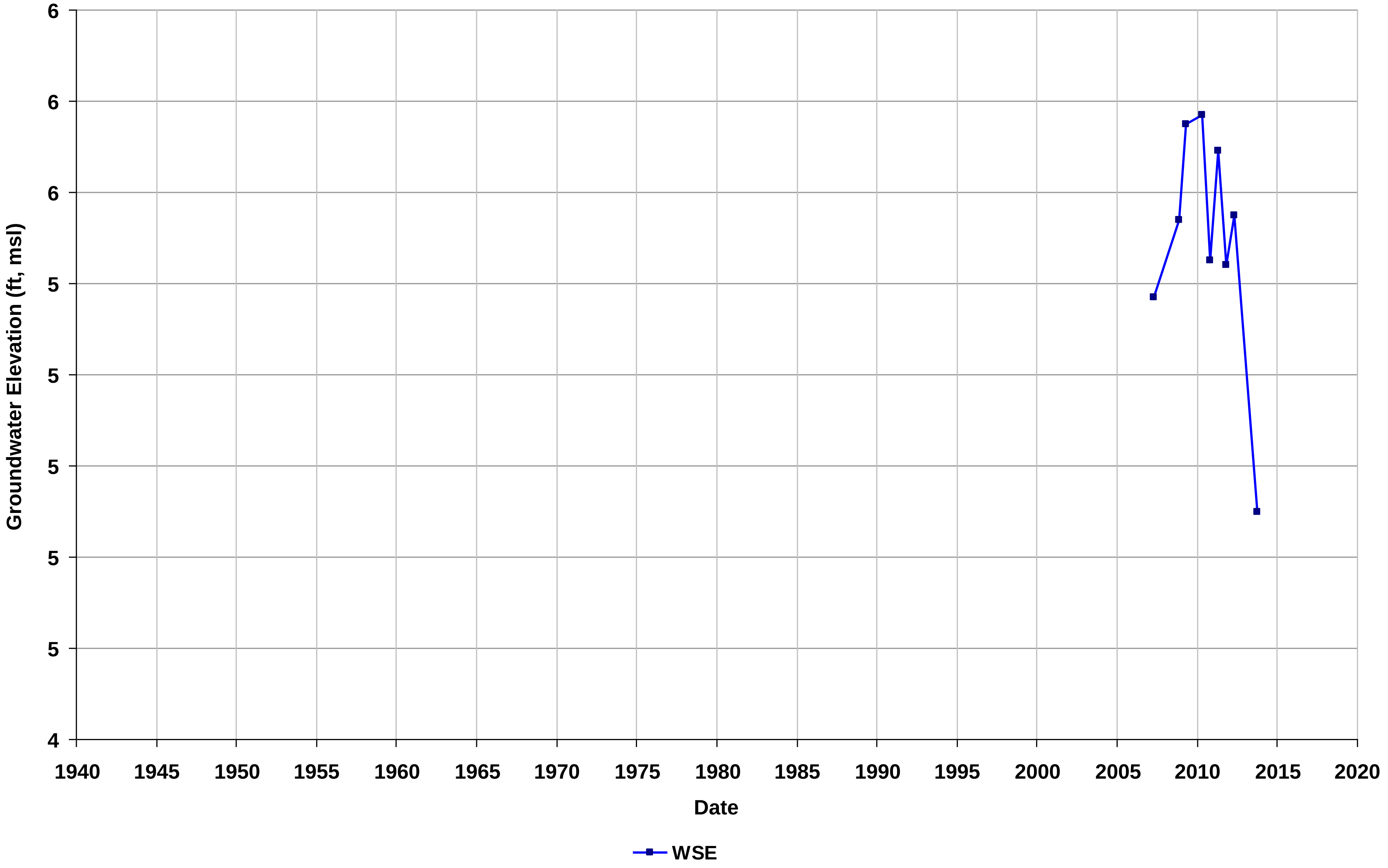
Well Name: SL18332752-MW-A3
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-20
T/R/S: 01S/04W/28
Well Use: Observation



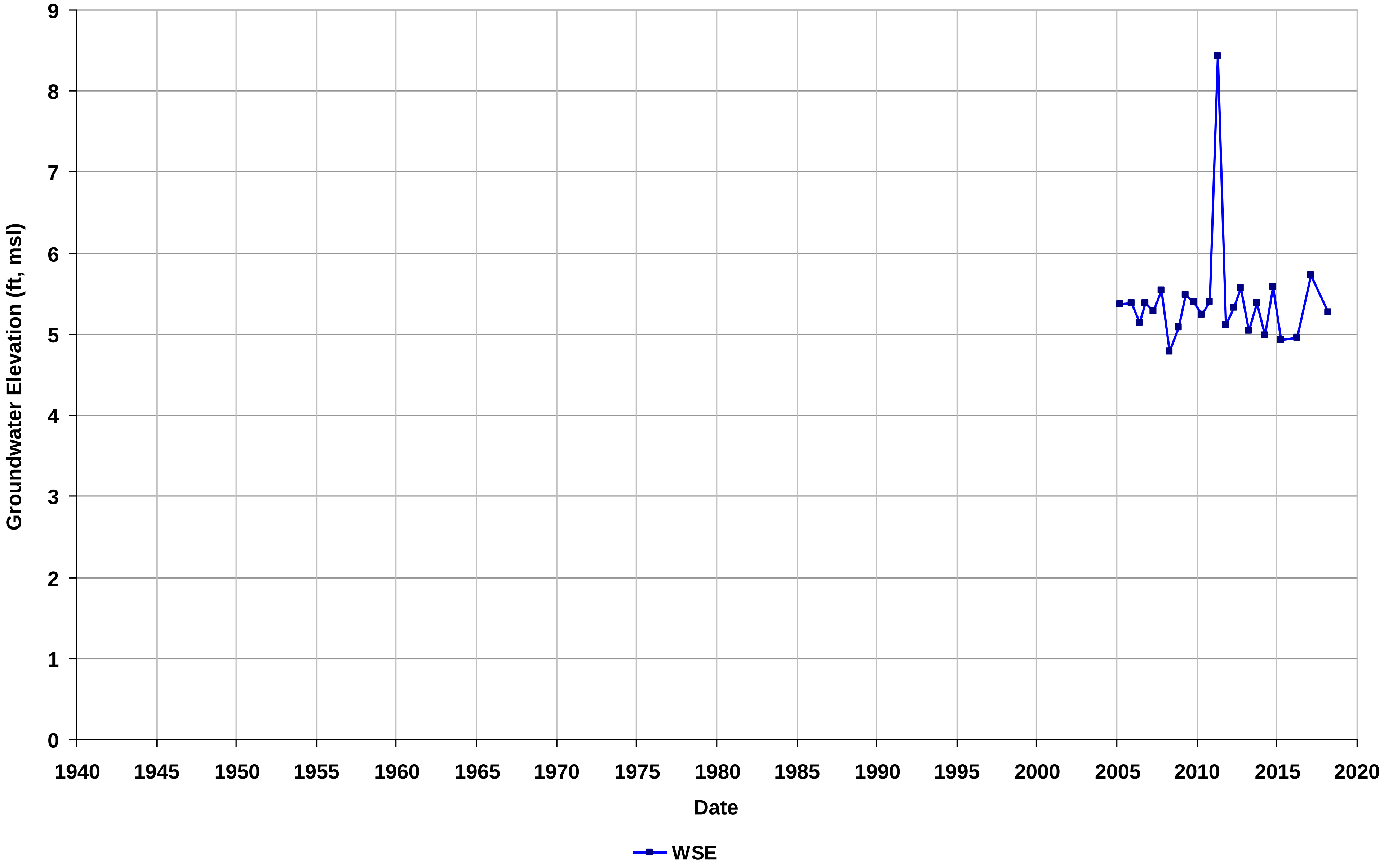
Well Name: SL18332752-MW-MG3A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-20
T/R/S: 01S/04W/29
Well Use: Observation



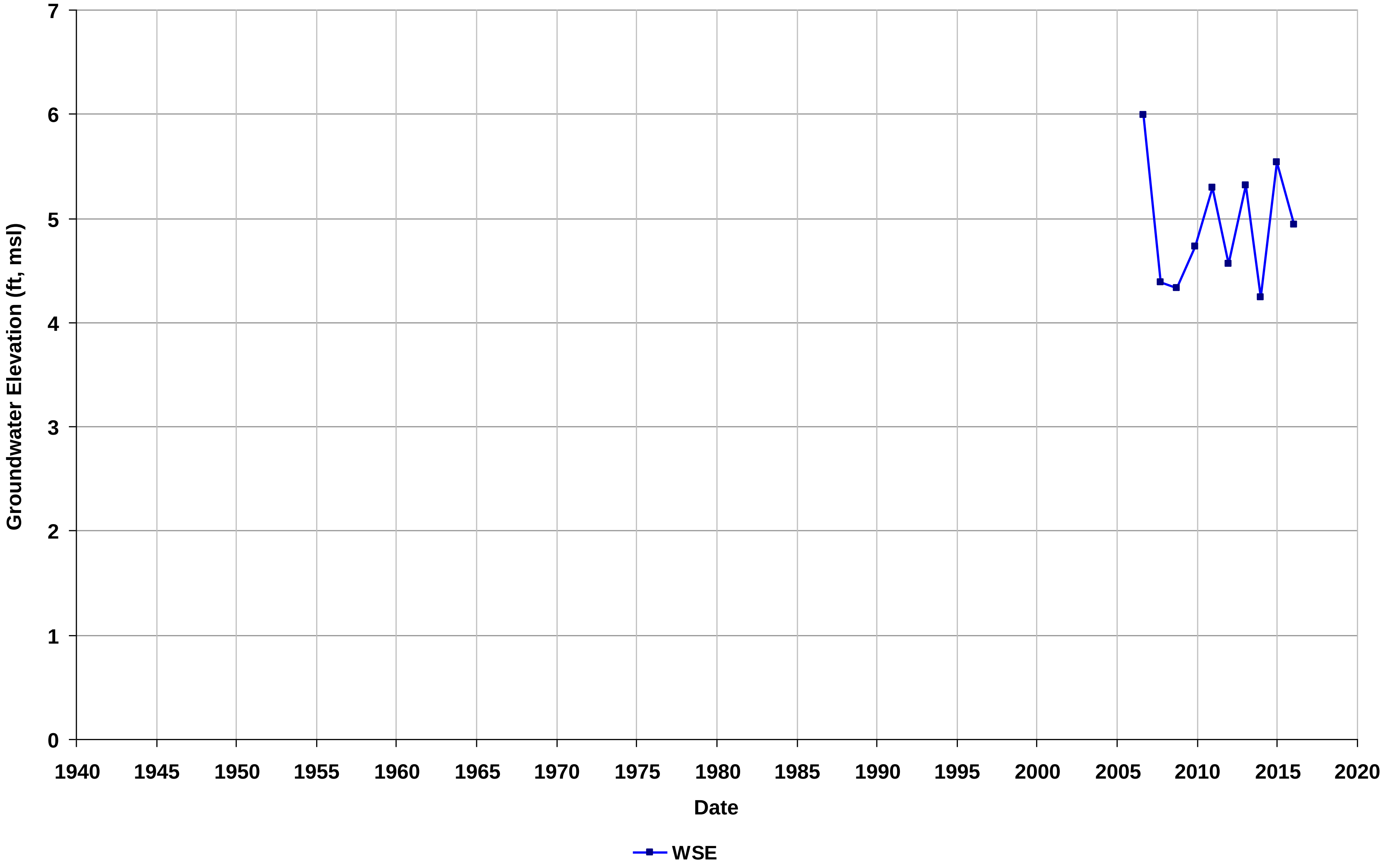
Well Name: SL18332752-TW-1BB
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 4-14
T/R/S: 01S/04W/29
Well Use: Observation



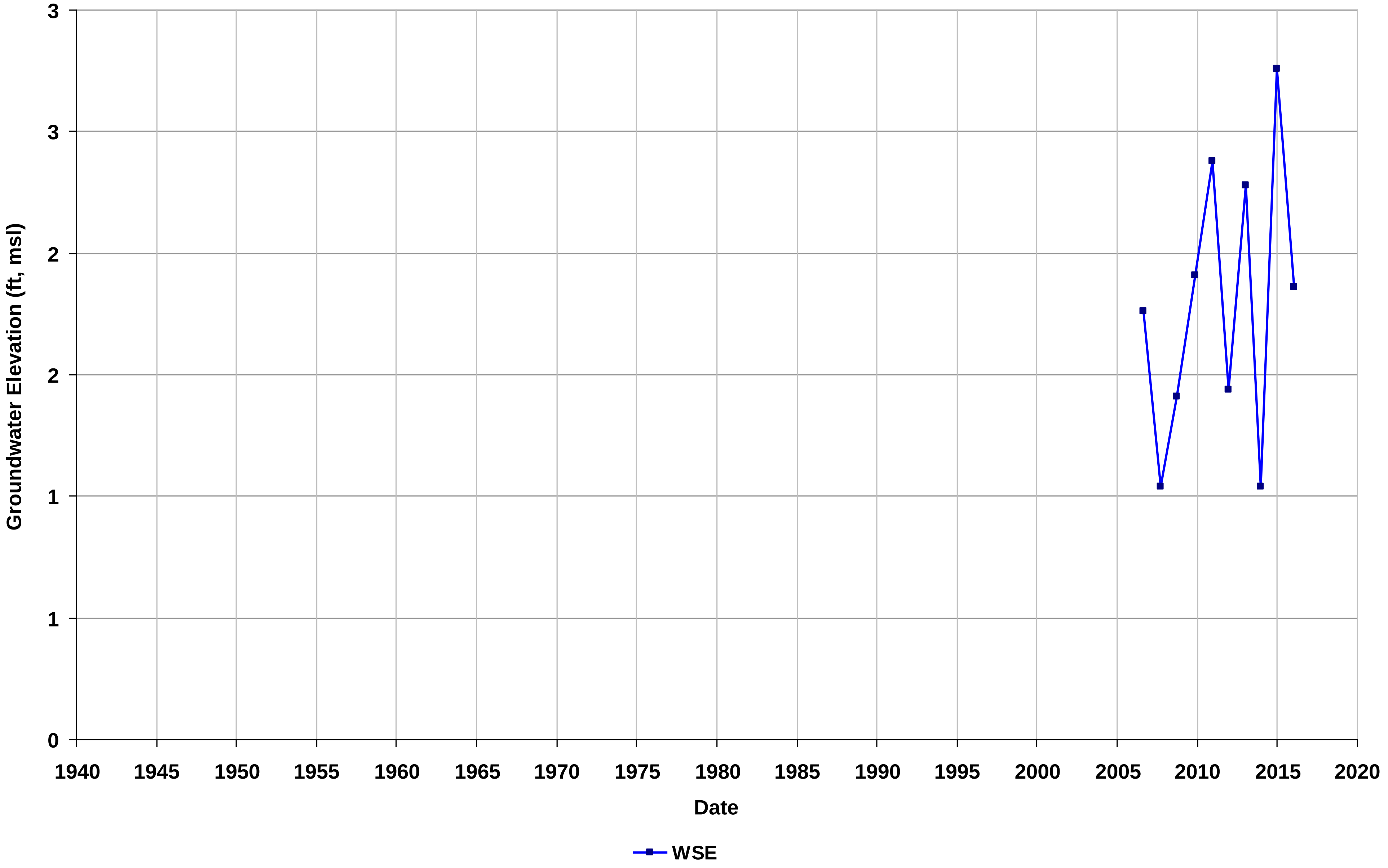
Well Name: SL18337757-CW-1
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 14
Perf. Interval (ft bgs): 8-13
T/R/S: 02S/03W/17
Well Use: Observation



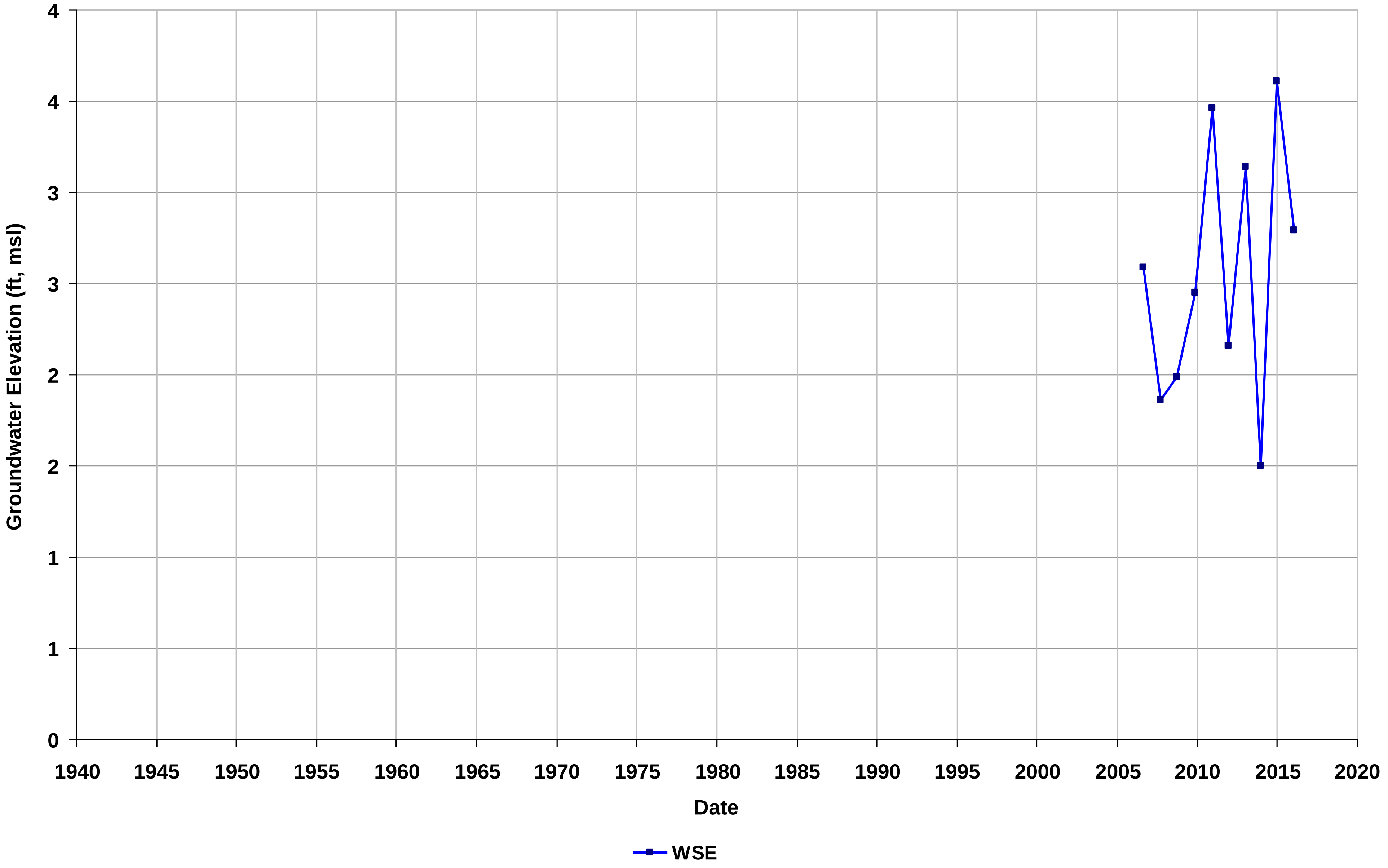
Well Name: SL18337757-CW-12
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 15
Perf. Interval (ft bgs): 5.5-15
T/R/S: 02S/03W/17
Well Use: Observation



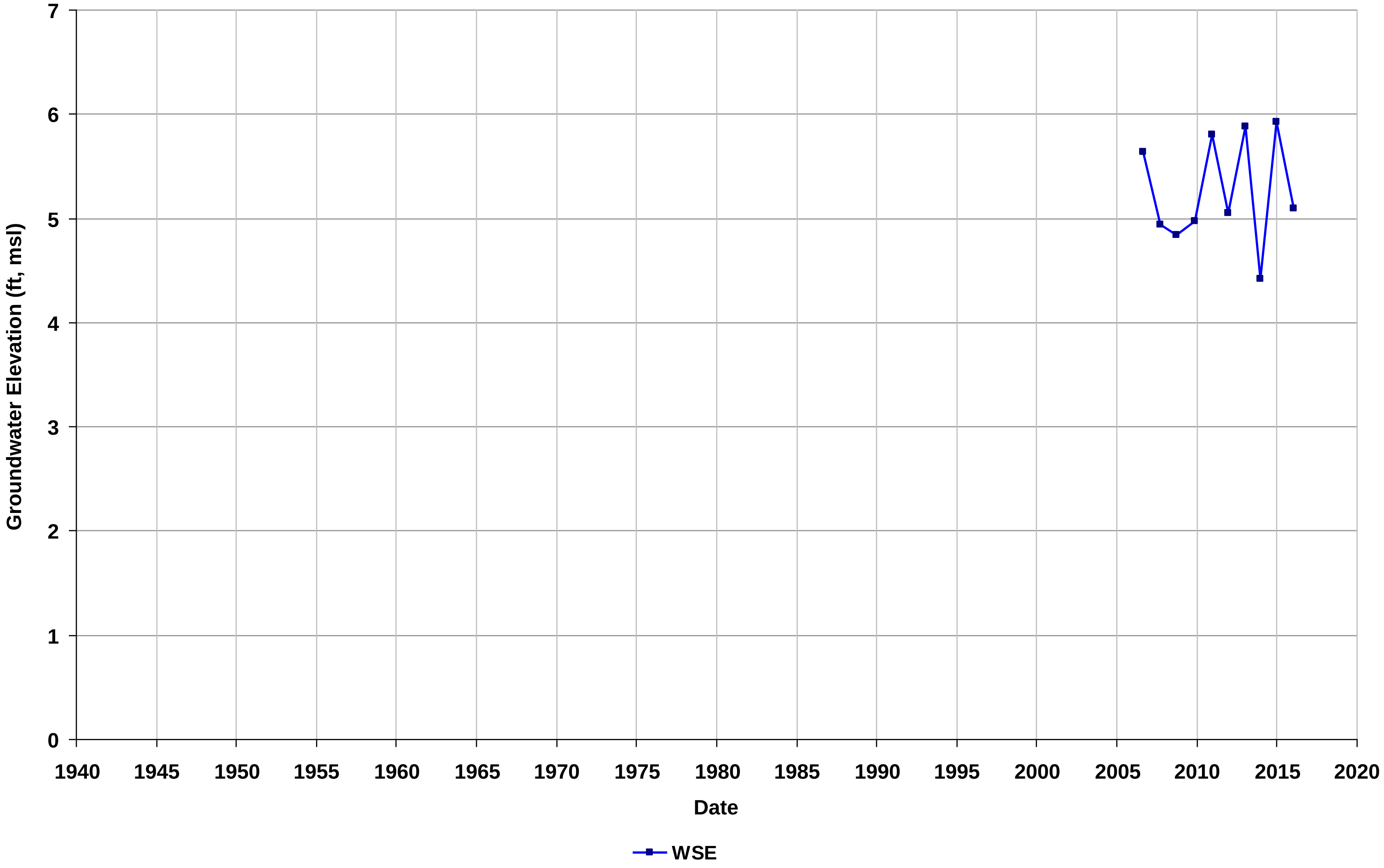
Well Name: SL18337757-CW-13
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 12
Perf. Interval (ft bgs): 7.2-11
T/R/S: 02S/03W/17
Well Use: Observation



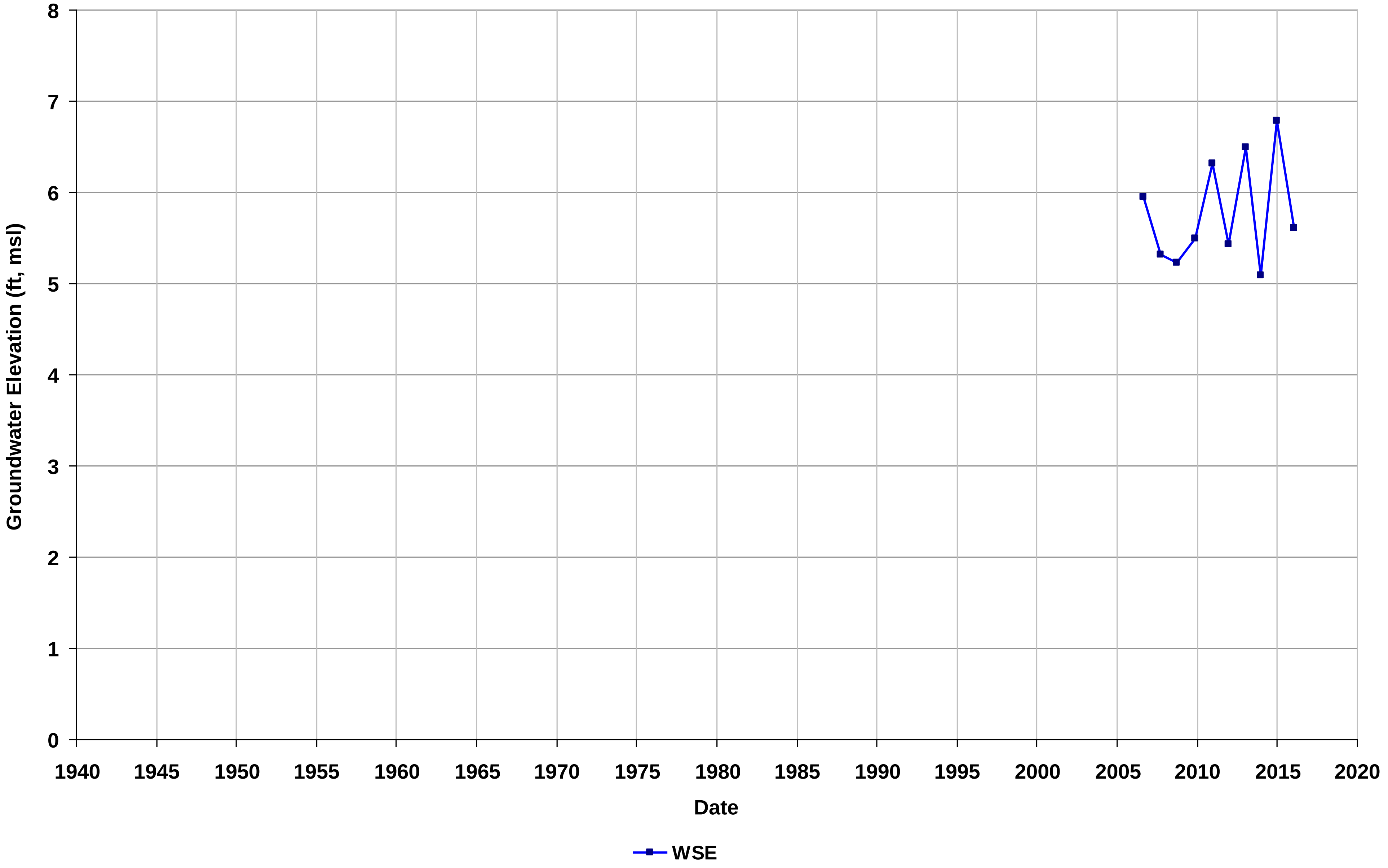
Well Name: SL18337757-CW-2
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 14
Perf. Interval (ft bgs): 9-14
T/R/S: 02S/03W/17
Well Use: Observation



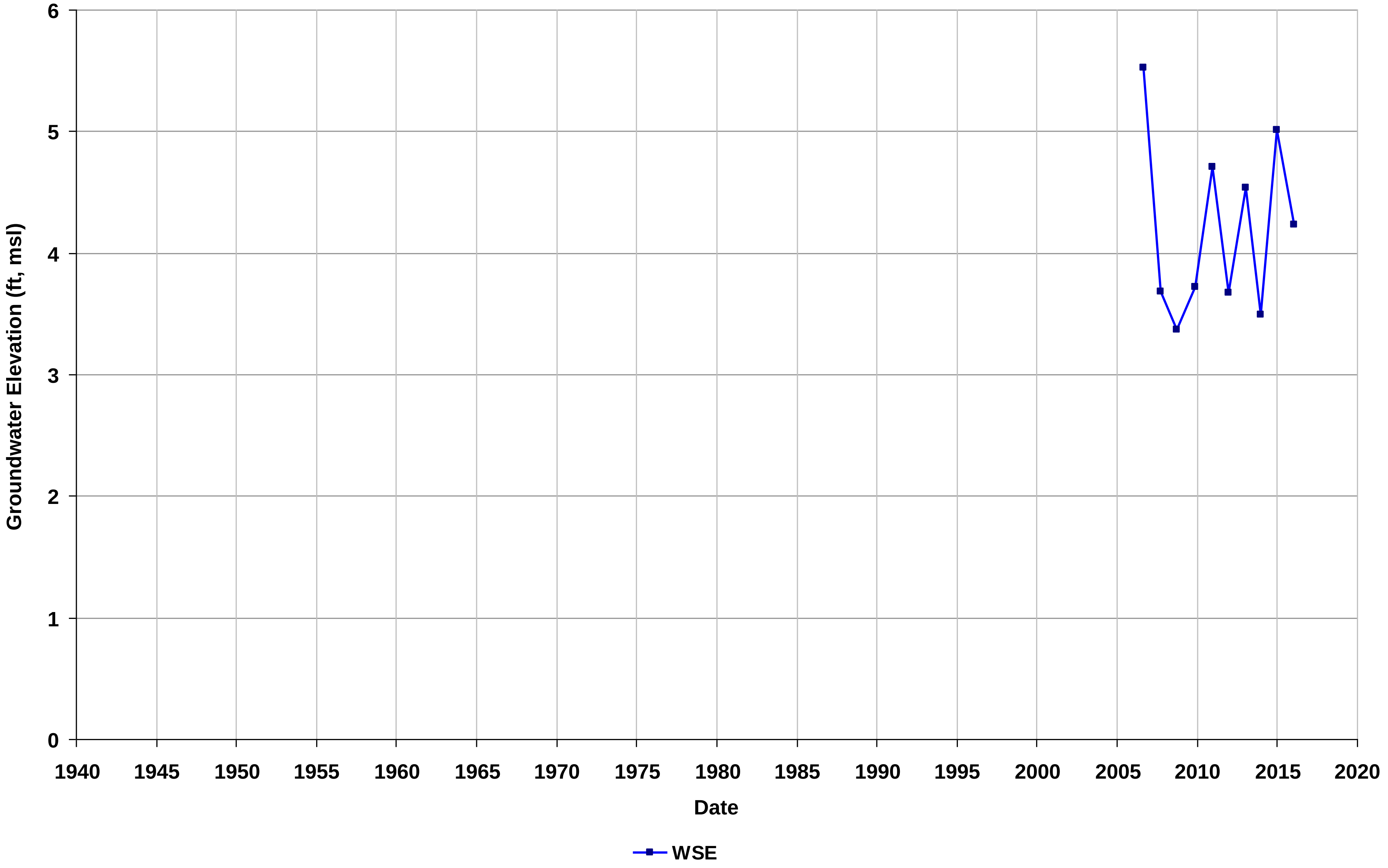
Well Name: SL18337757-CW-4
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 15
Perf. Interval (ft bgs): 9-14
T/R/S: 02S/03W/17
Well Use: Observation



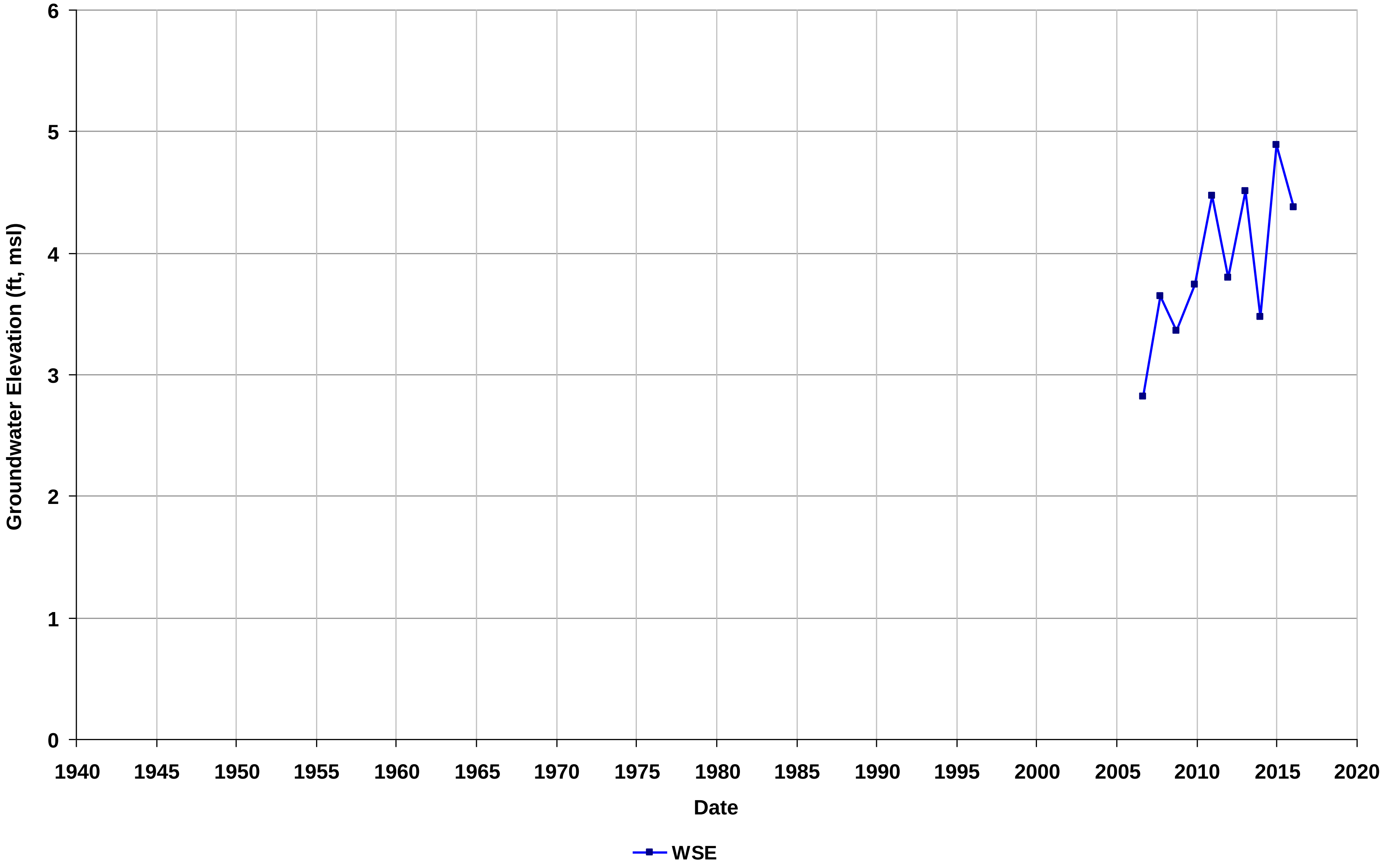
Well Name: SL18337757-CW-6
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 15
Perf. Interval (ft bgs): 5.22-15
T/R/S: 02S/03W/17
Well Use: Observation



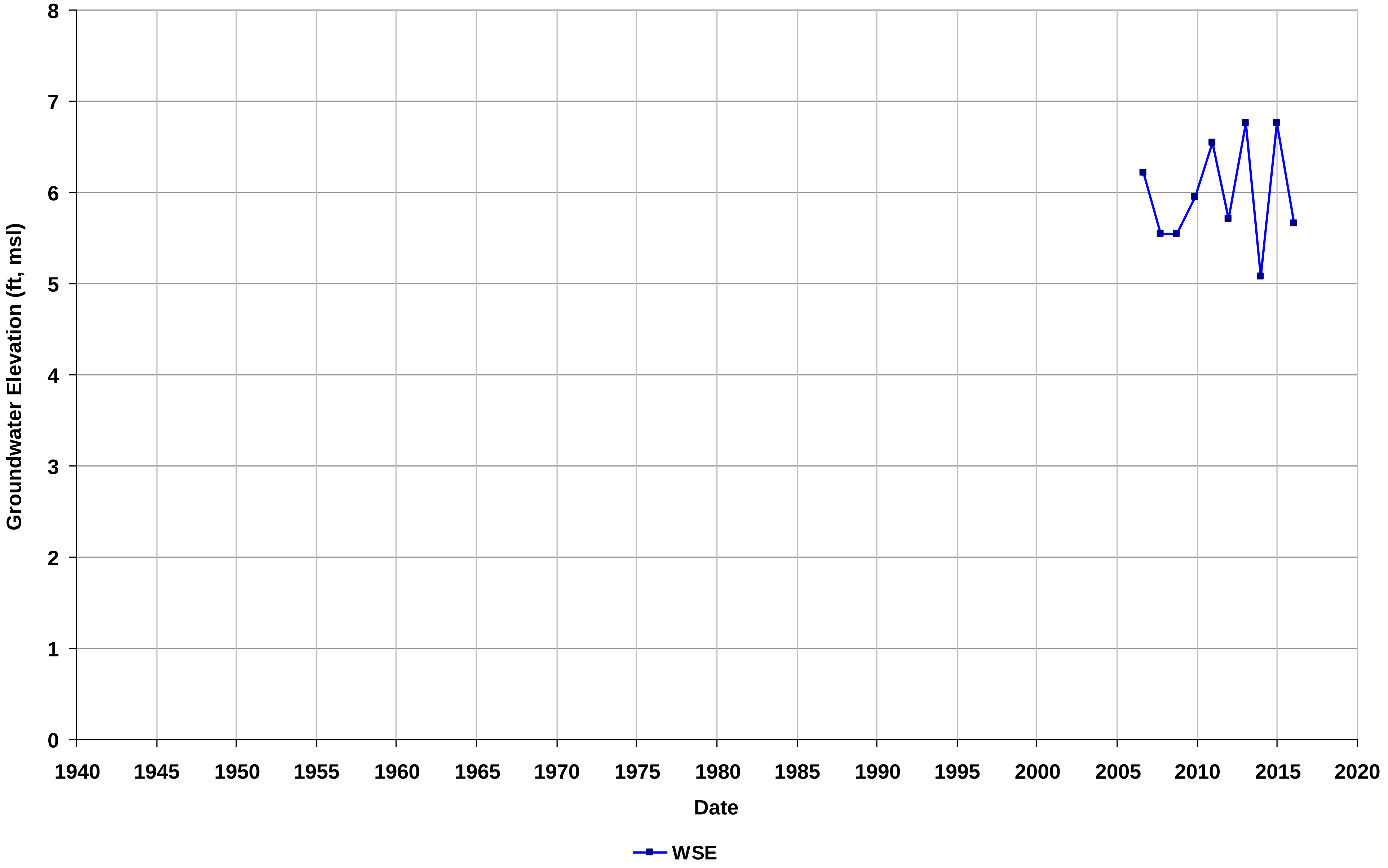
Well Name: SL18337757-CW-7
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 18
Perf. Interval (ft bgs): 8.05-17
T/R/S: 02S/03W/17
Well Use: Observation



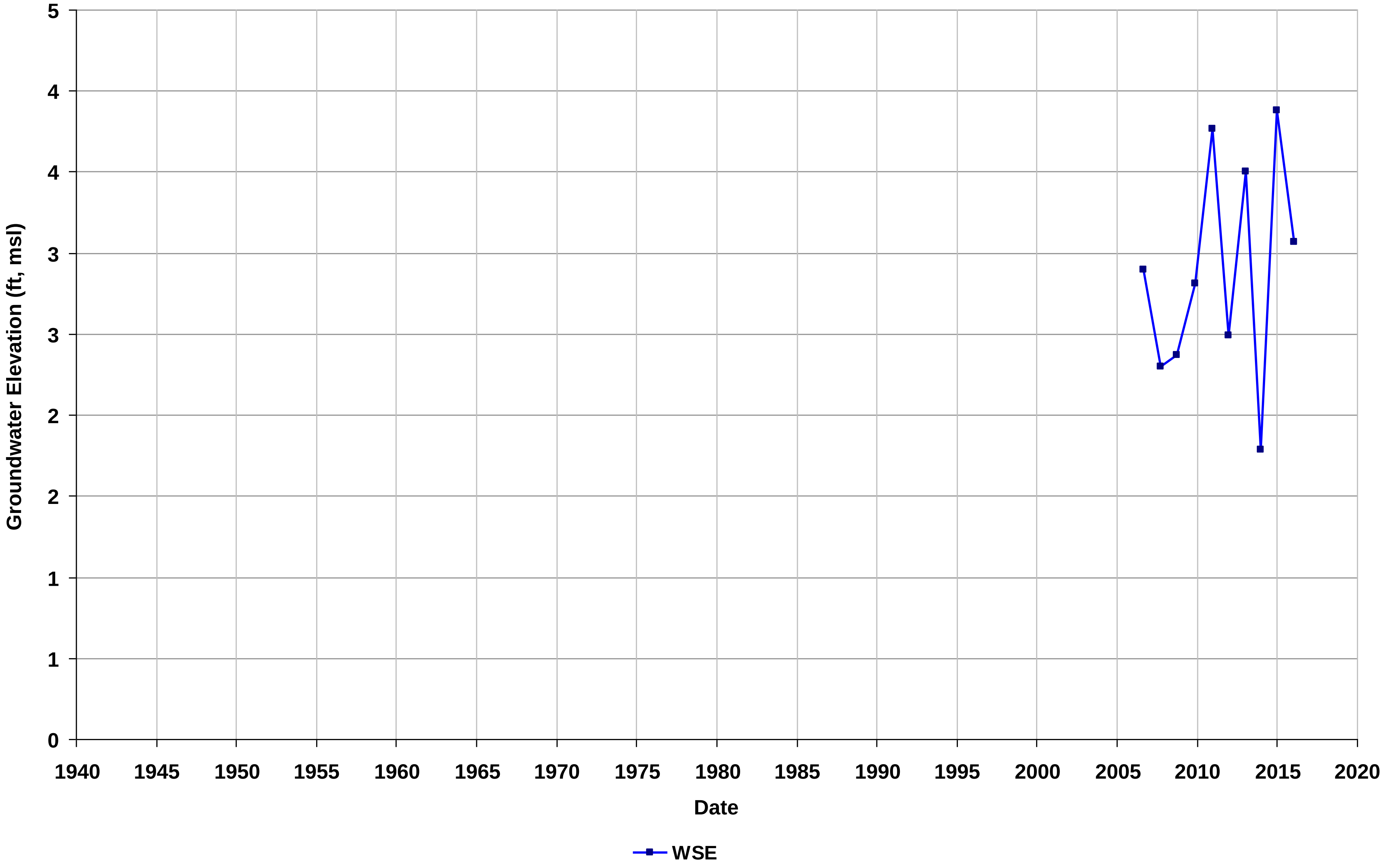
Well Name: SL18337757-LF-11
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 24
Perf. Interval (ft bgs): 10-20
T/R/S: 02S/03W/17
Well Use: Observation



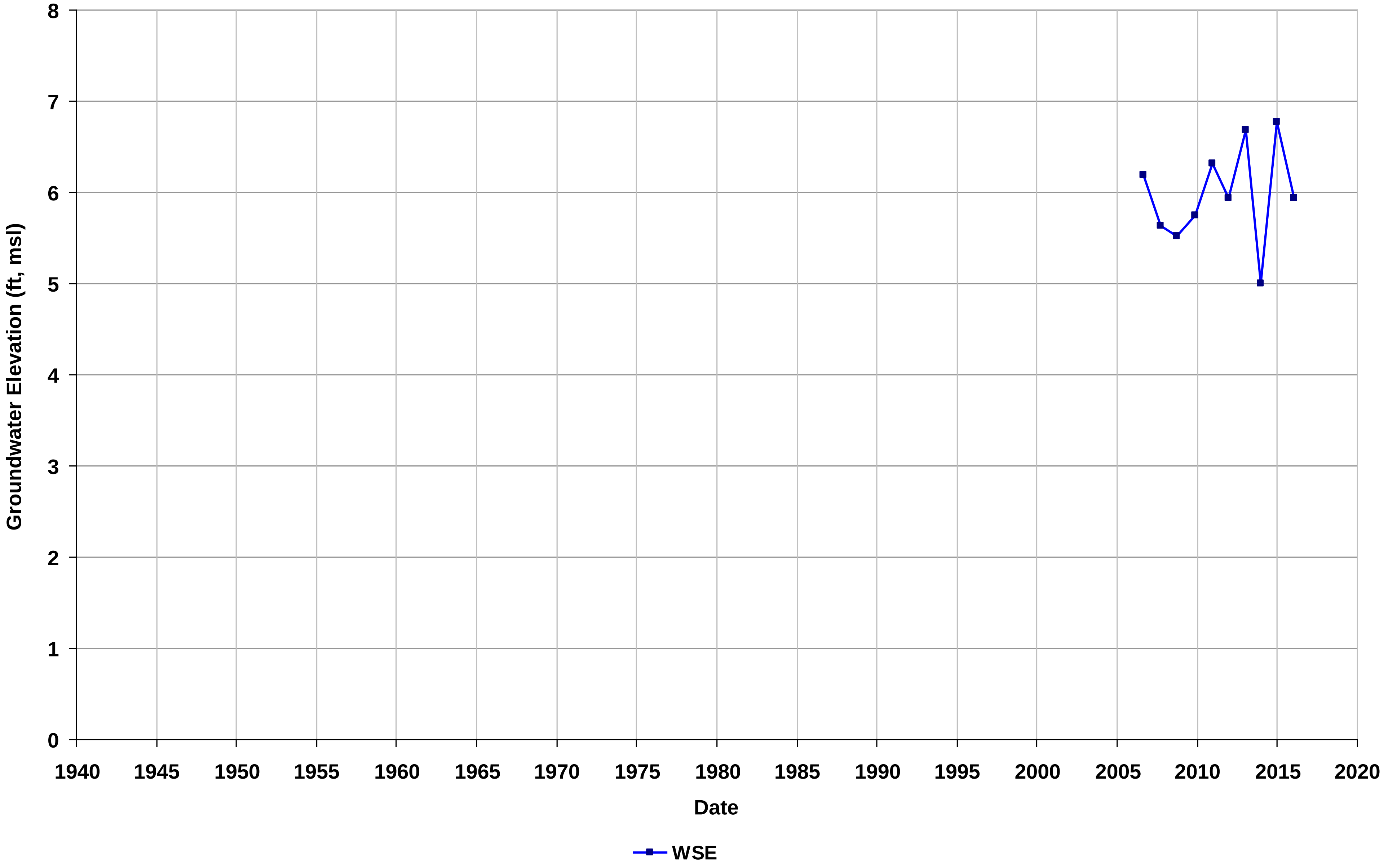
Well Name: SL18337757-LF-12
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 15
Perf. Interval (ft bgs): 8-15
T/R/S: 02S/03W/17
Well Use: Observation



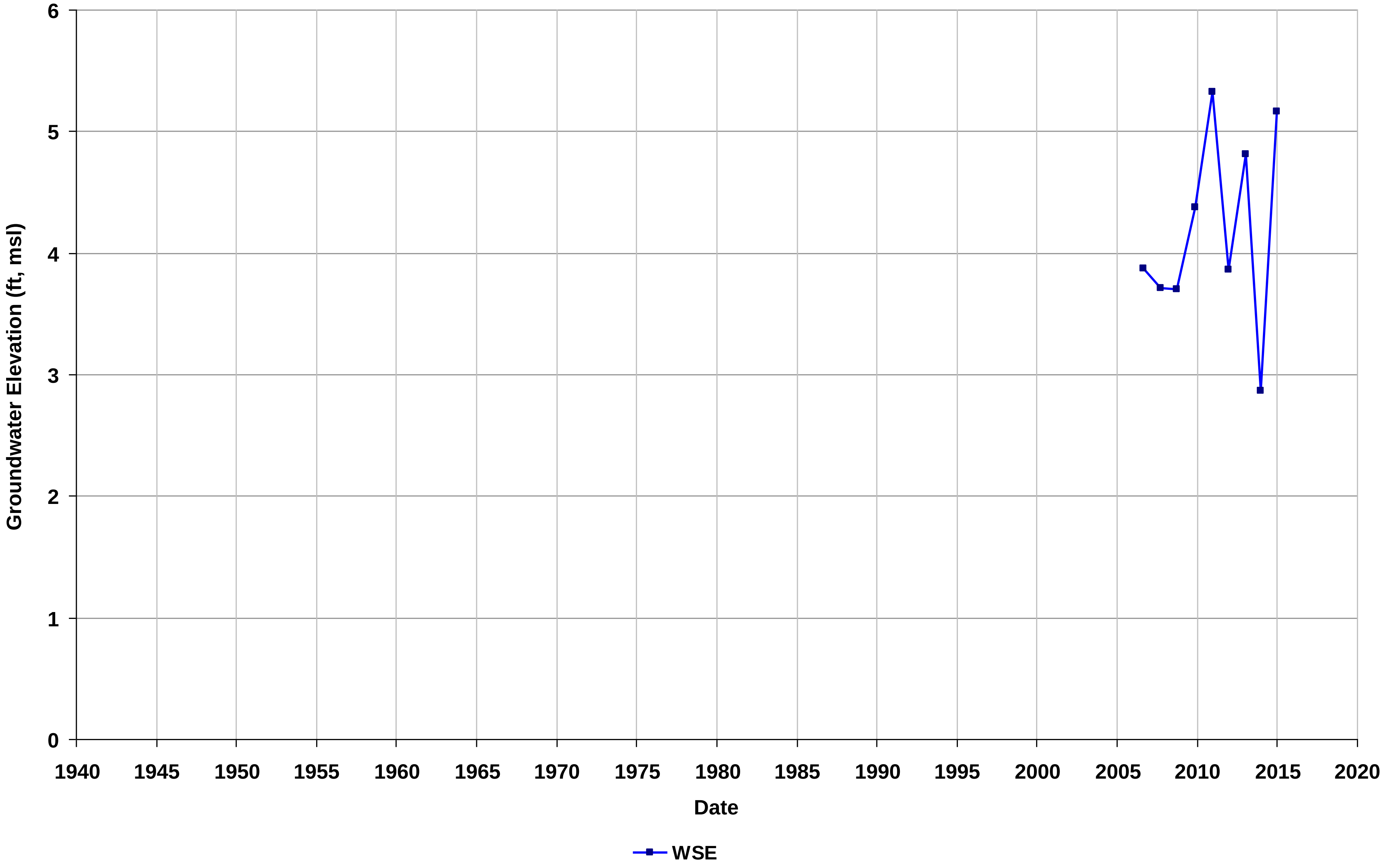
Well Name: SL18337757-LF-13
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 15
Perf. Interval (ft bgs): 4-15
T/R/S: 02S/03W/17
Well Use: Observation



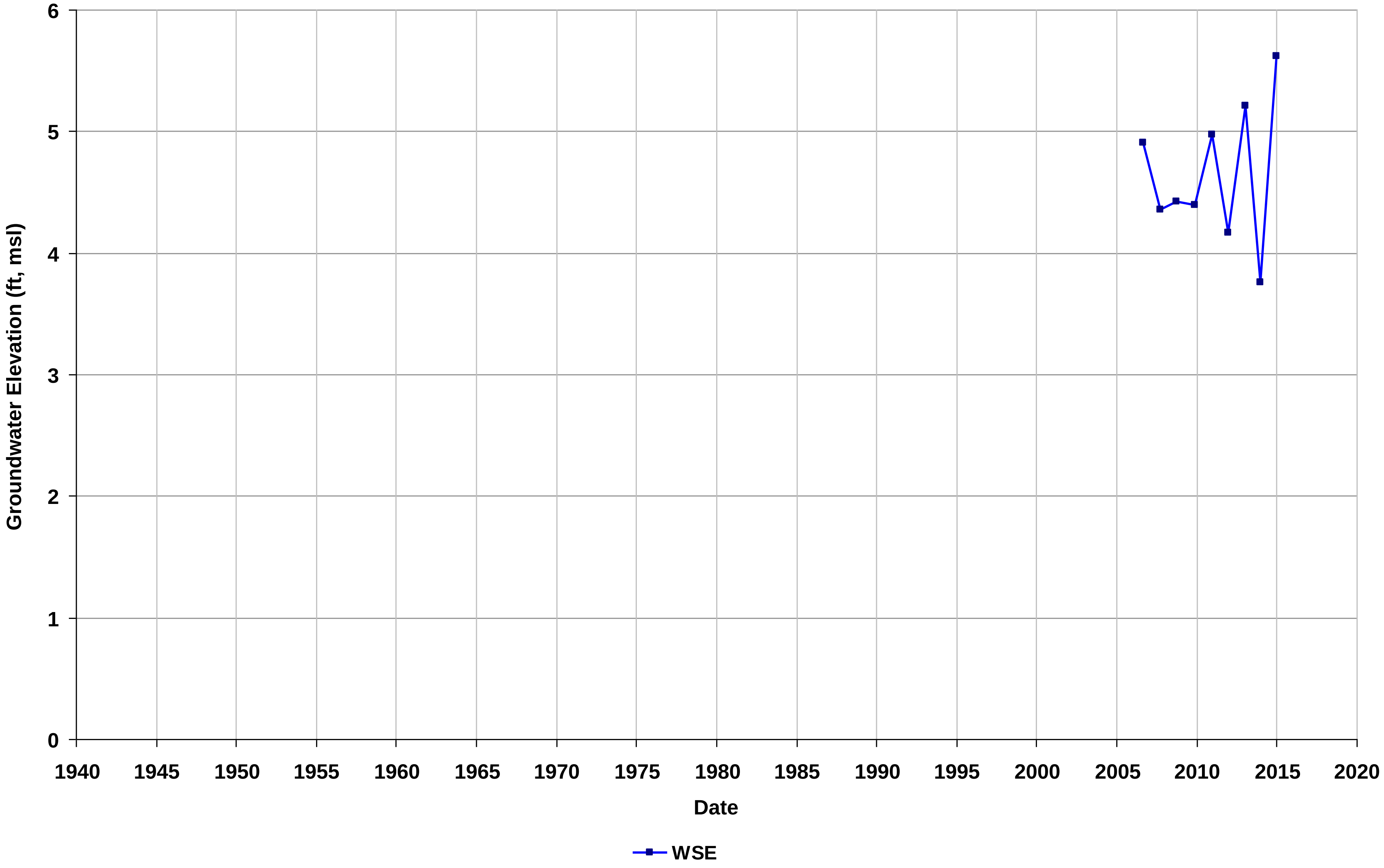
Well Name: SL18337757-LF-17
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 10-20
T/R/S: 02S/03W/17
Well Use: Observation



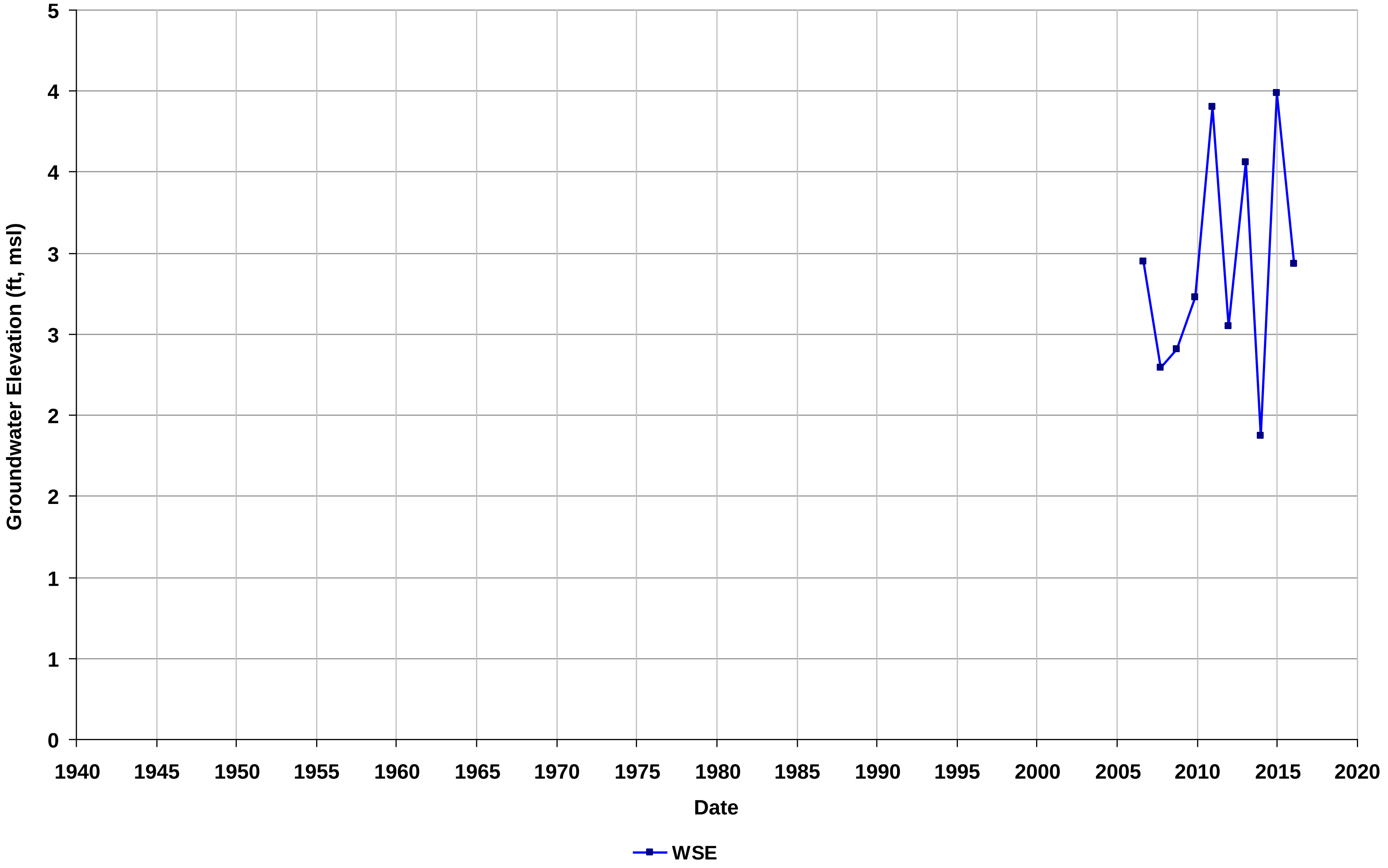
Well Name: SL18337757-LF-2
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 16
Perf. Interval (ft bgs): 10-15
T/R/S: 02S/03W/17
Well Use: Observation



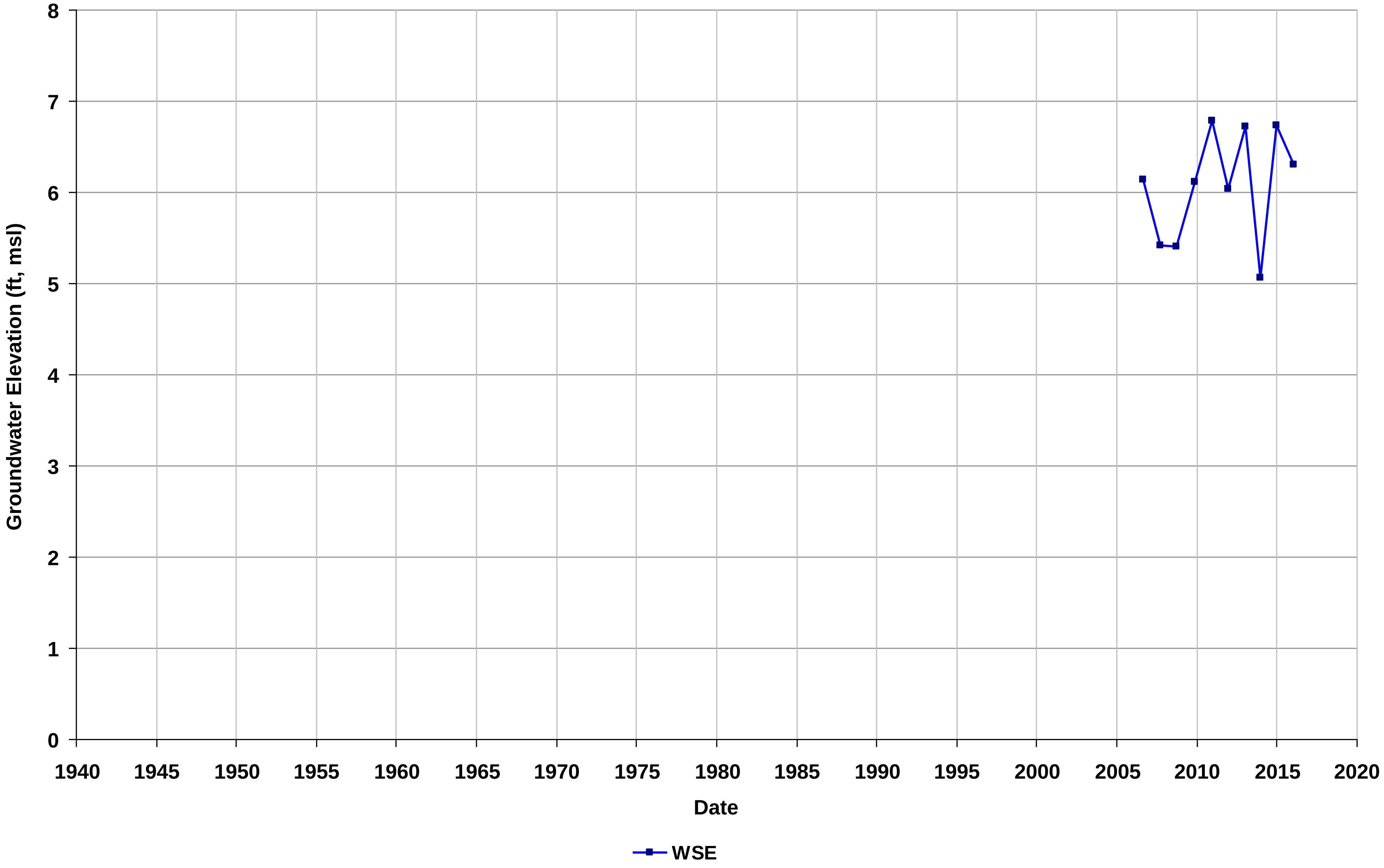
Well Name: SL18337757-LF-5
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 24
Perf. Interval (ft bgs): 11.5-22
T/R/S: 02S/03W/17
Well Use: Observation



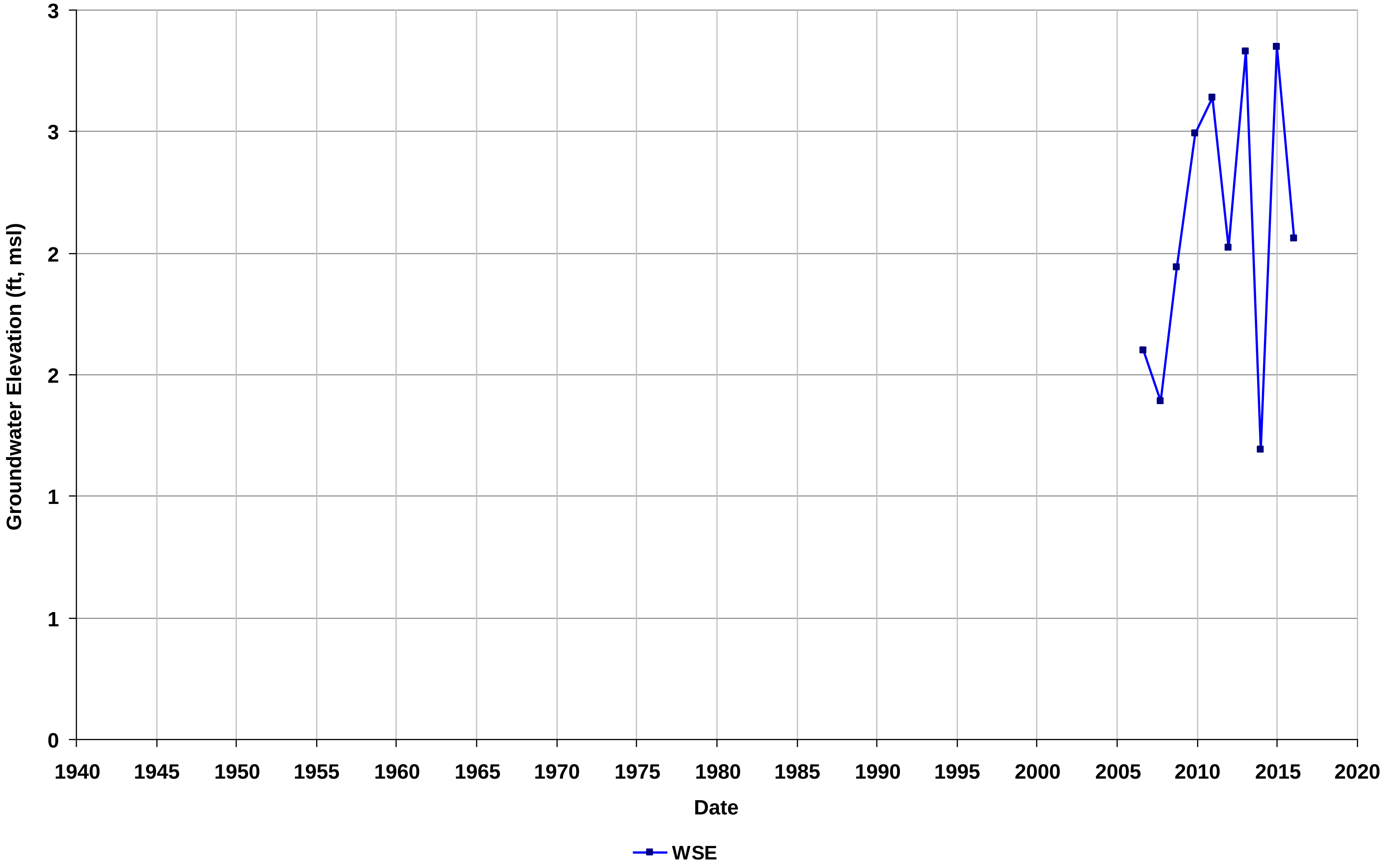
Well Name: SL18337757-LF-6
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 21
Perf. Interval (ft bgs): 11-21
T/R/S: 02S/03W/17
Well Use: Observation



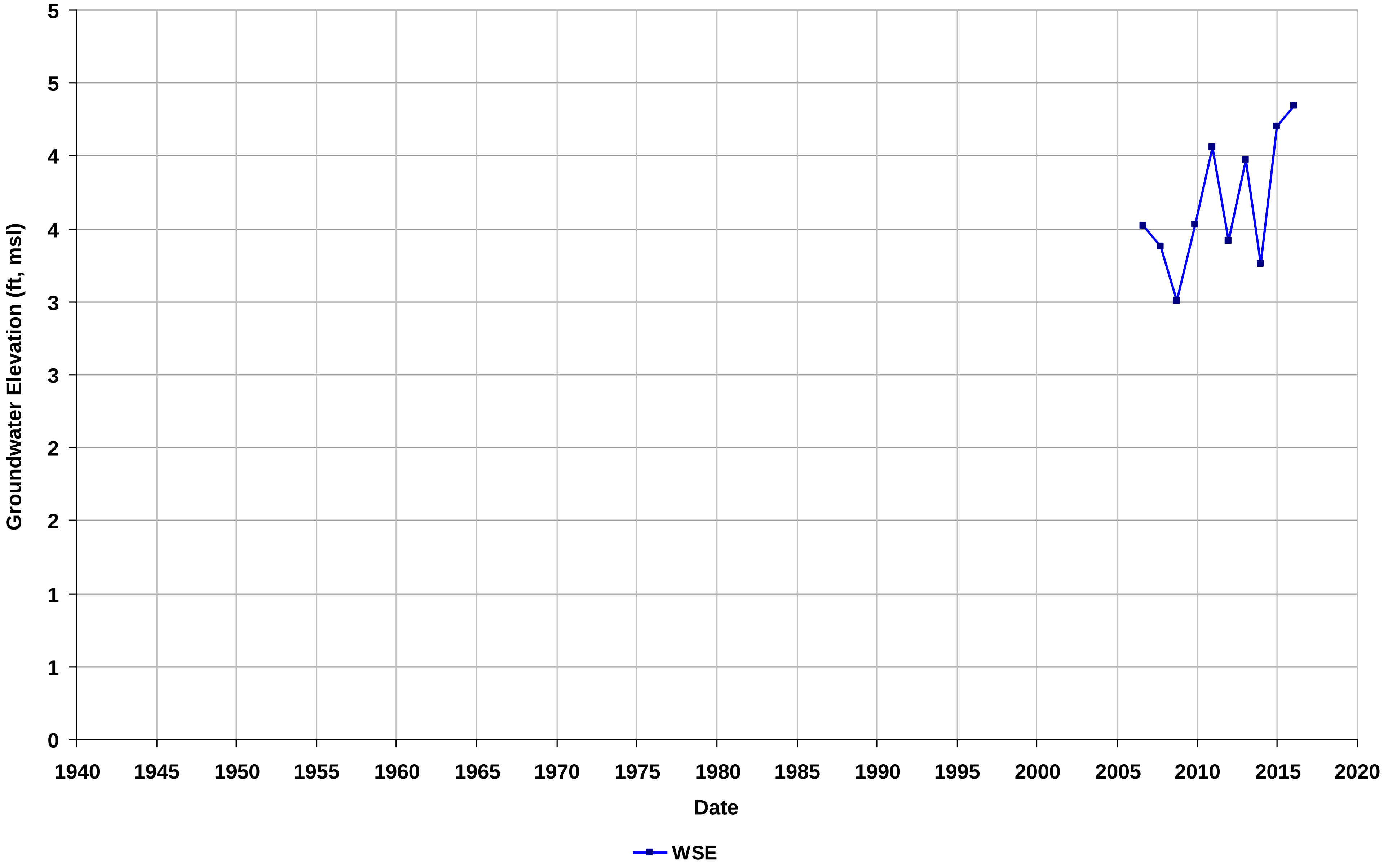
Well Name: SL18337757-MW-4
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 9-19
T/R/S: 02S/03W/17
Well Use: Observation



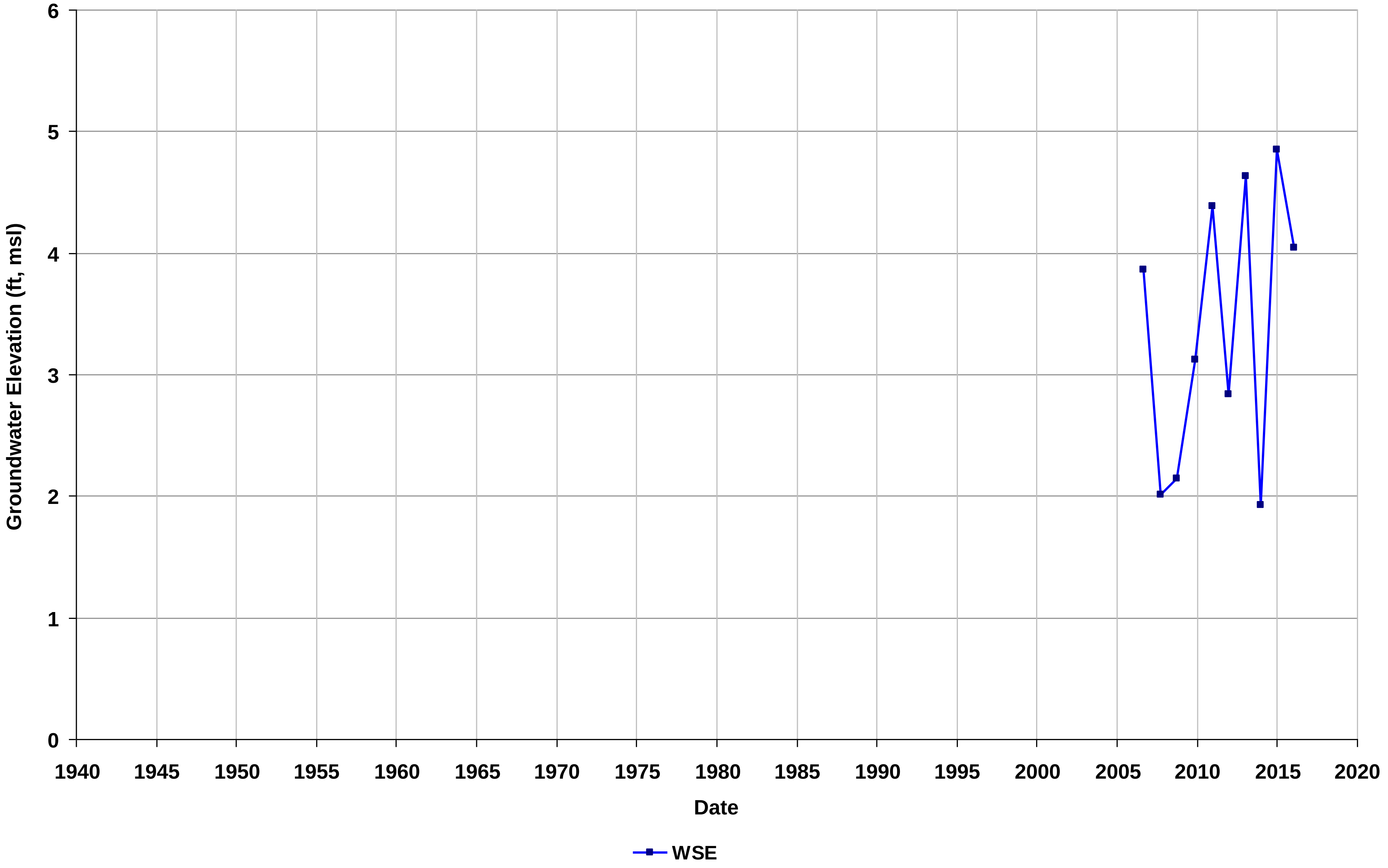
Well Name: SL18337757-MW-5
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 9-19
T/R/S: 02S/03W/17
Well Use: Observation



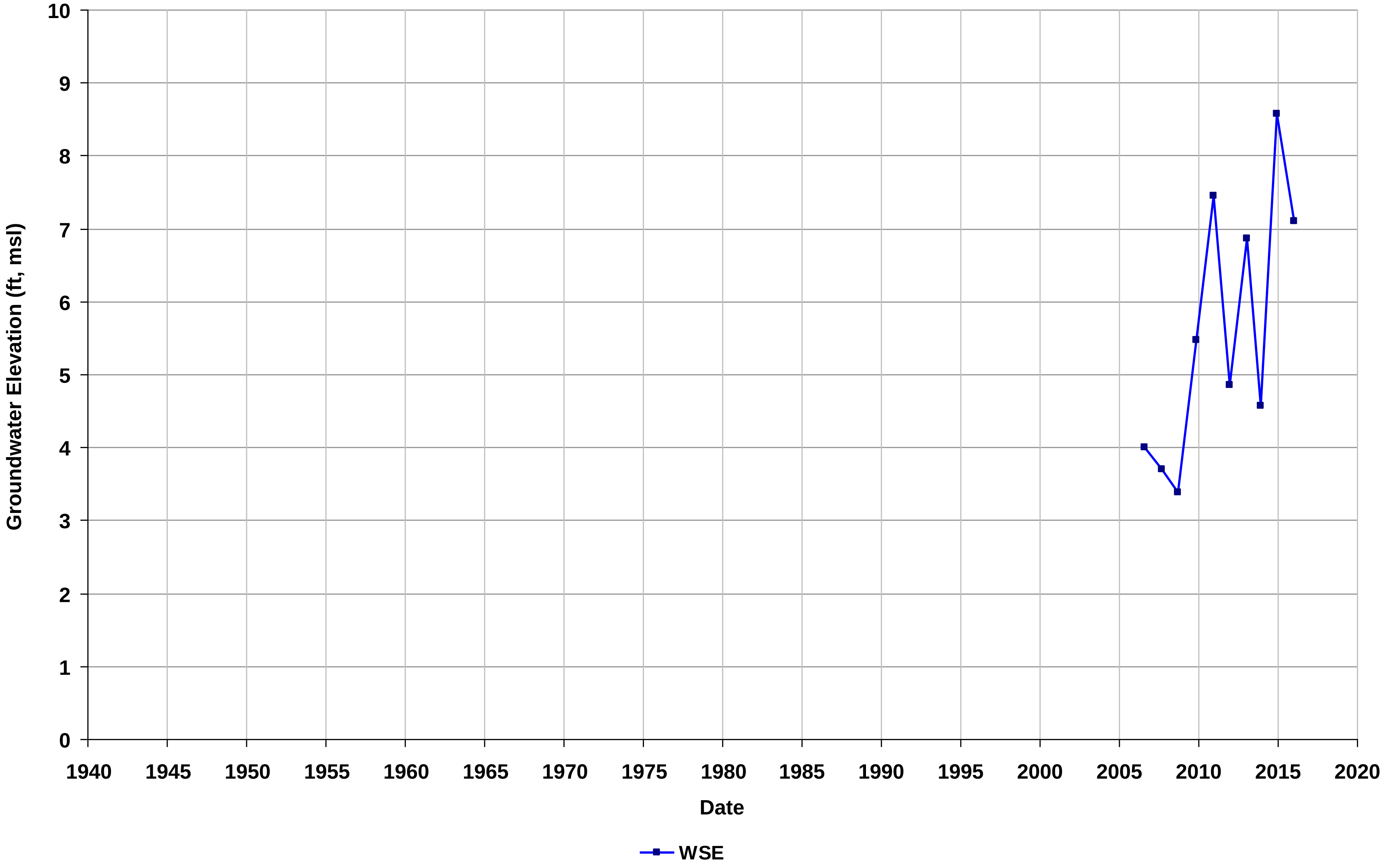
Well Name: SL18337757-MWA-1
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 18
Perf. Interval (ft bgs): 7.5-18
T/R/S: 02S/03W/17
Well Use: Observation



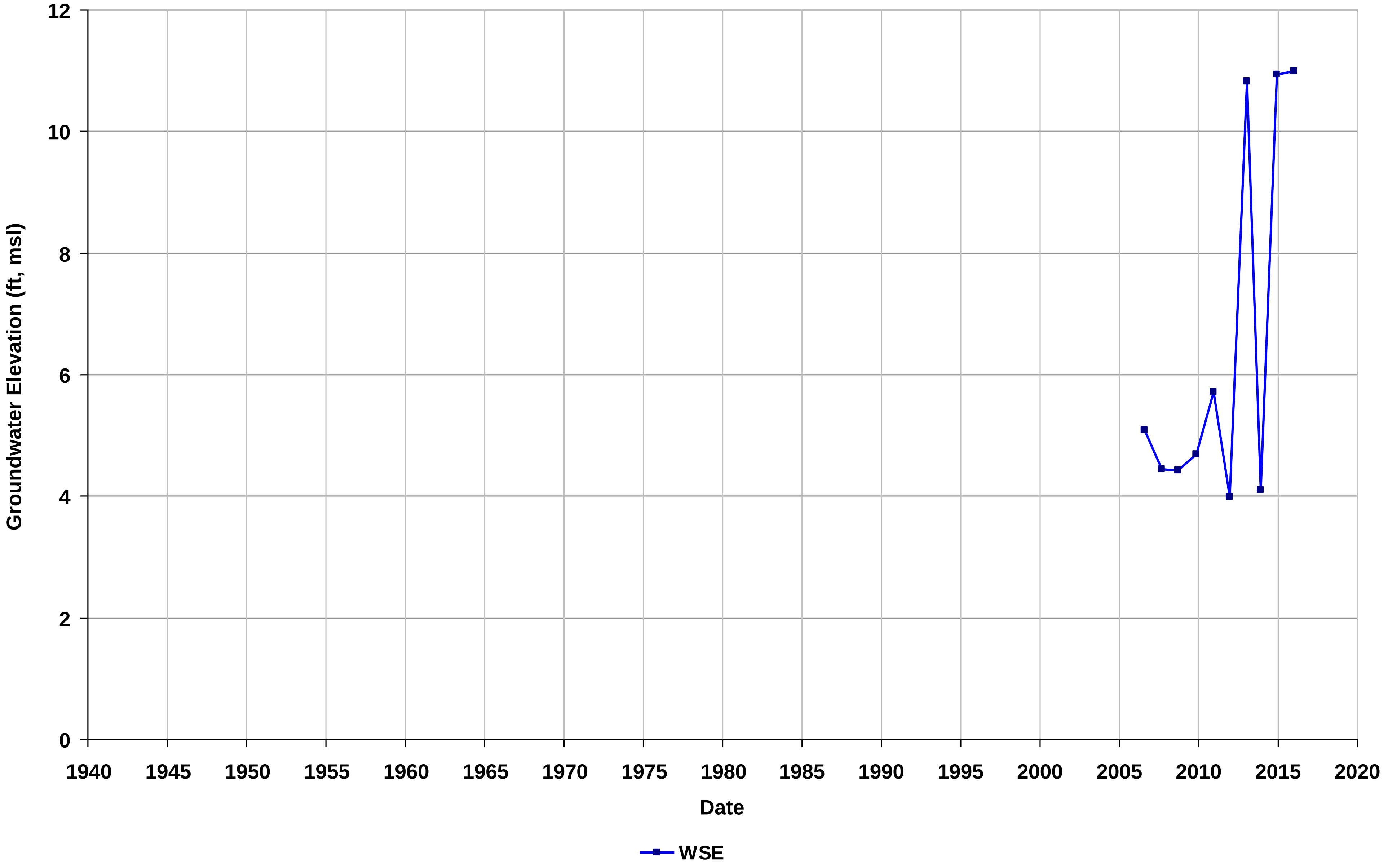
Well Name: SL18337757-MWA-2
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 17
Perf. Interval (ft bgs): 7-17
T/R/S: 02S/03W/17
Well Use: Observation



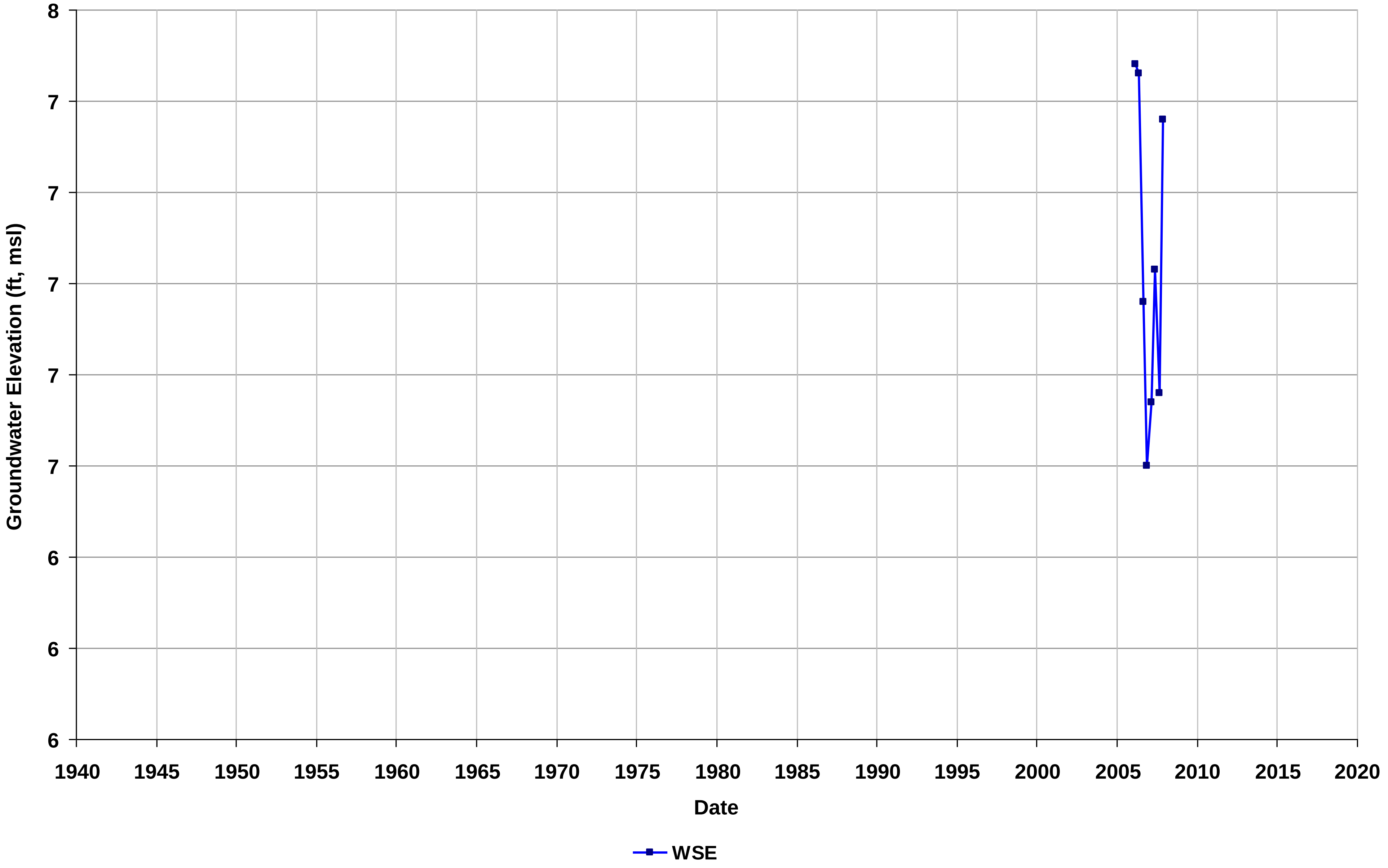
Well Name: SL18337757-MWA-3
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 15
Perf. Interval (ft bgs): 5-15
T/R/S: 02S/03W/17
Well Use: Observation



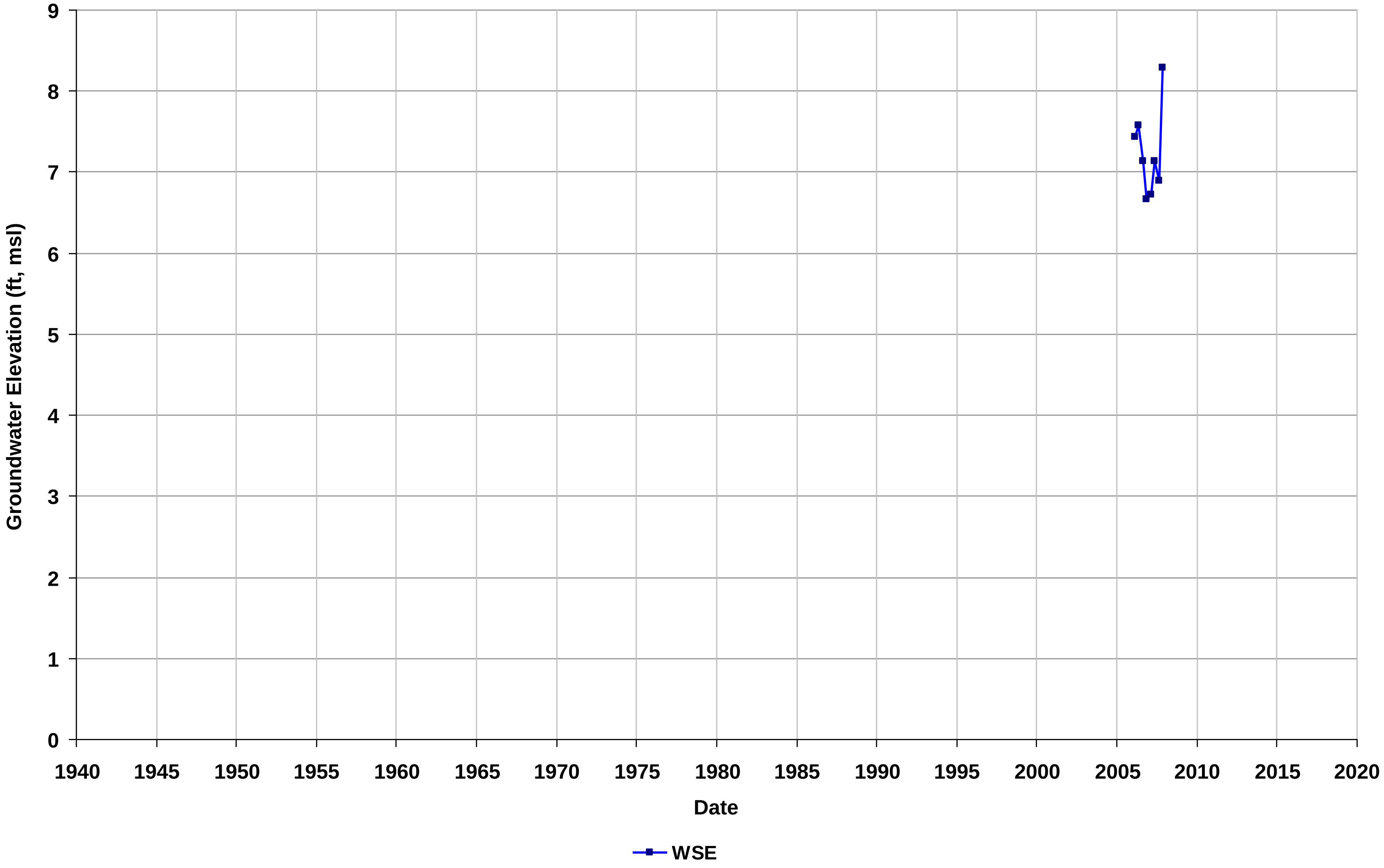
Well Name: SL18339759-PMW-6
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 2.9-12
T/R/S: 01S/04W/34
Well Use: Observation



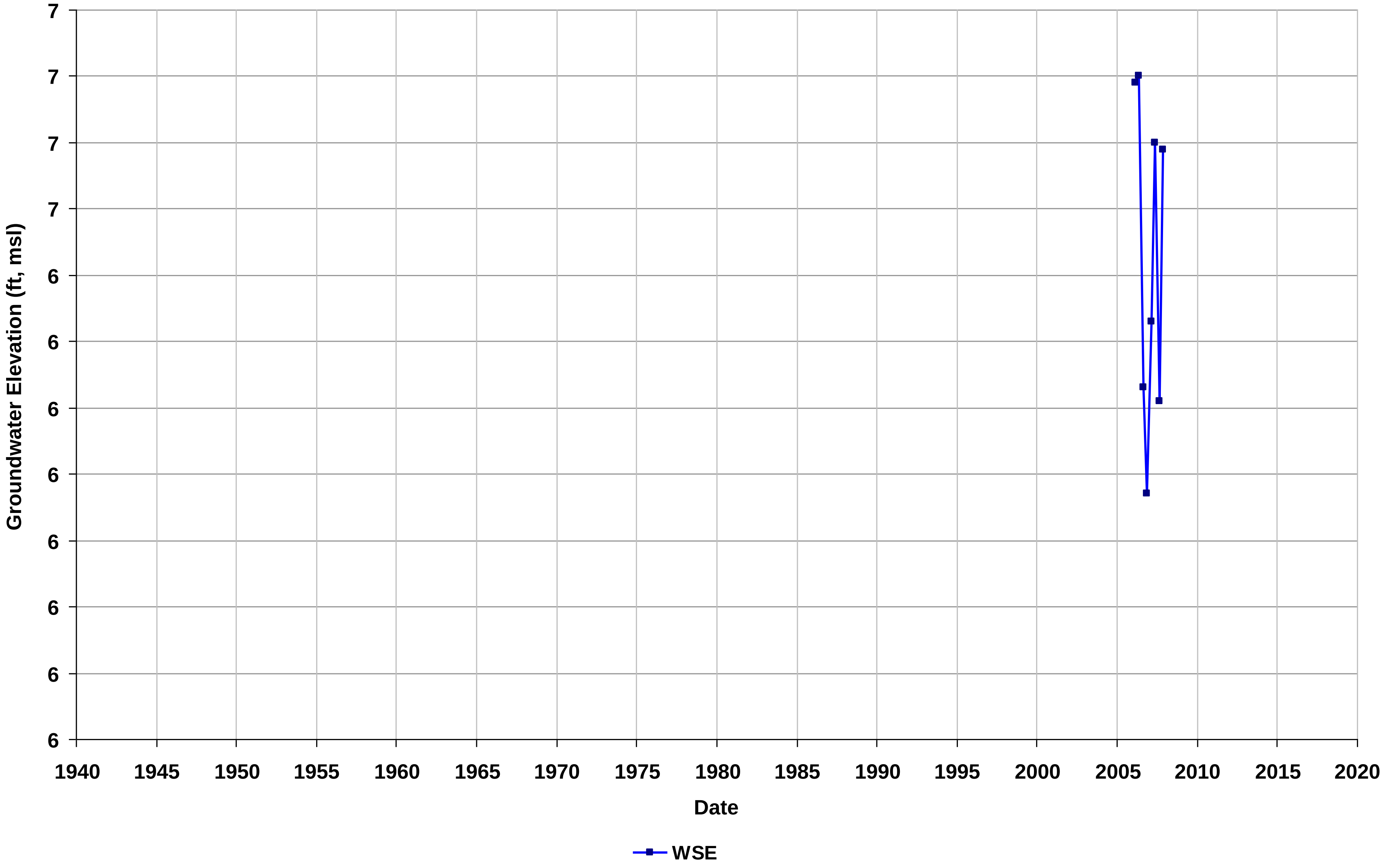
Well Name: SL18339759-PMW-7
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 2.5-12
T/R/S: 01S/04W/34
Well Use: Observation



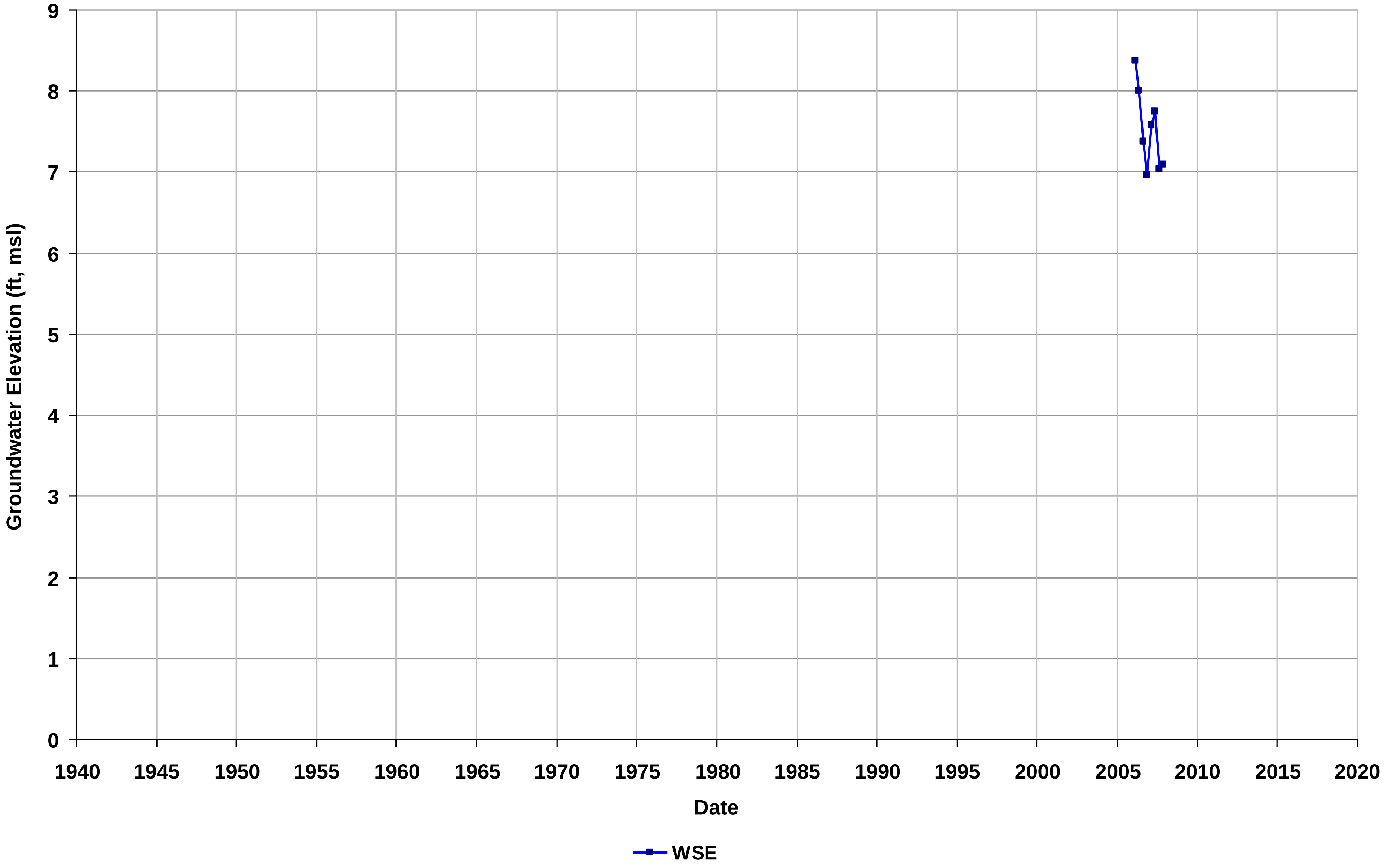
Well Name: SL18339759-PMW-8
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 2.5-12
T/R/S: 01S/04W/34
Well Use: Observation



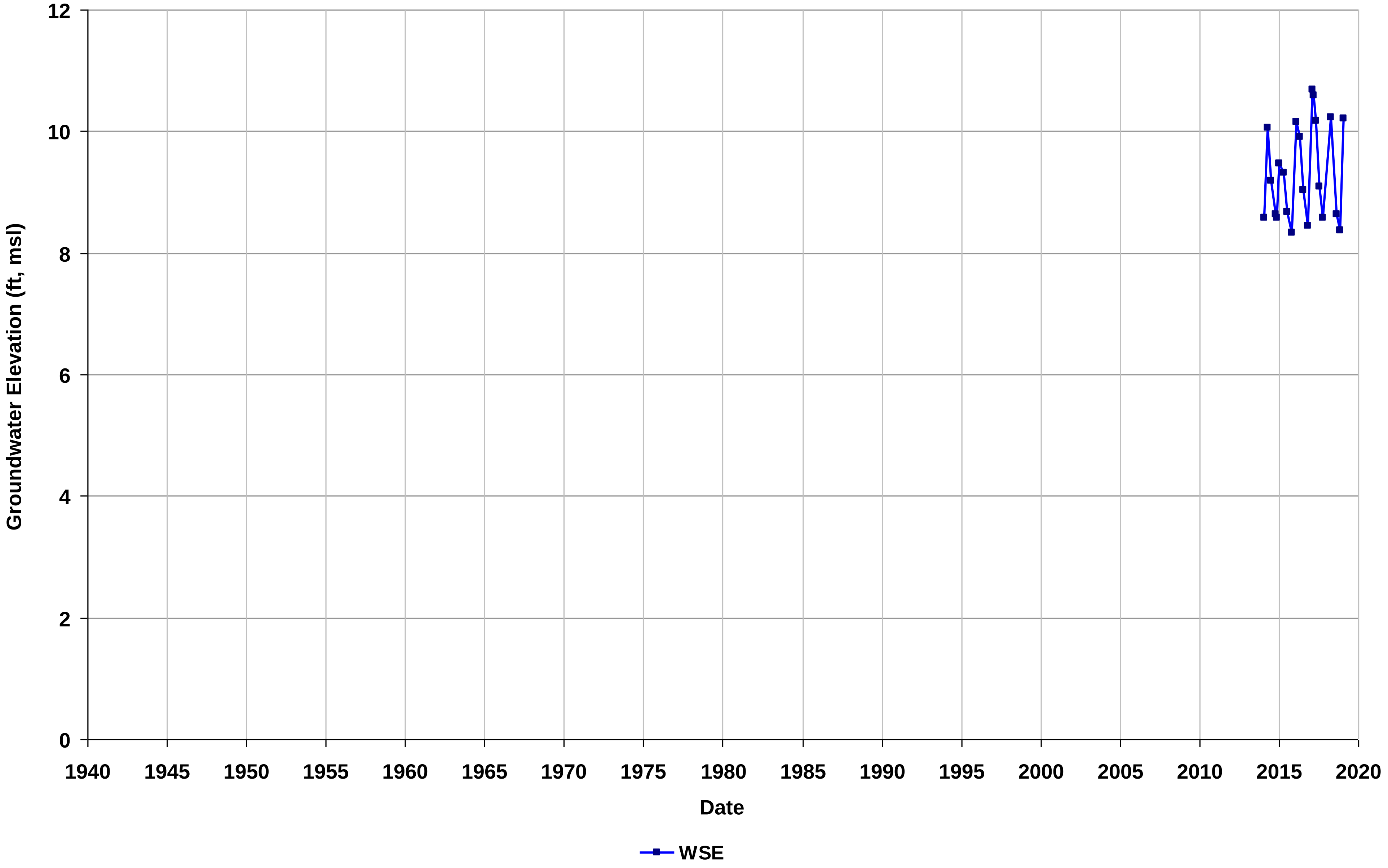
Well Name: SL18339759-PMW-9
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 2.5-12
T/R/S: 01S/04W/34
Well Use: Observation



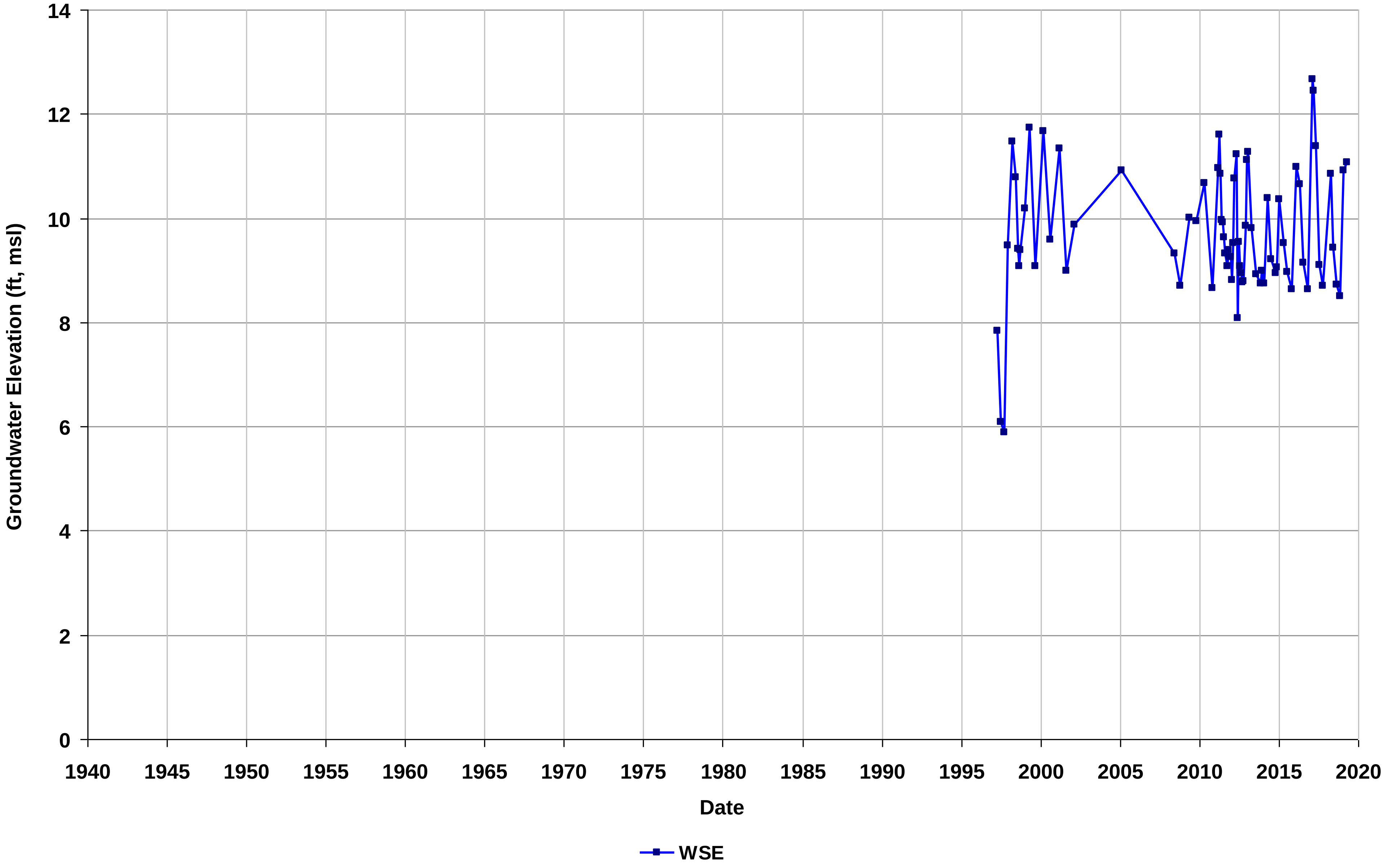
Well Name: SL20224842-MW-46R
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 10-20
T/R/S: 02S/03W/08
Well Use: Observation



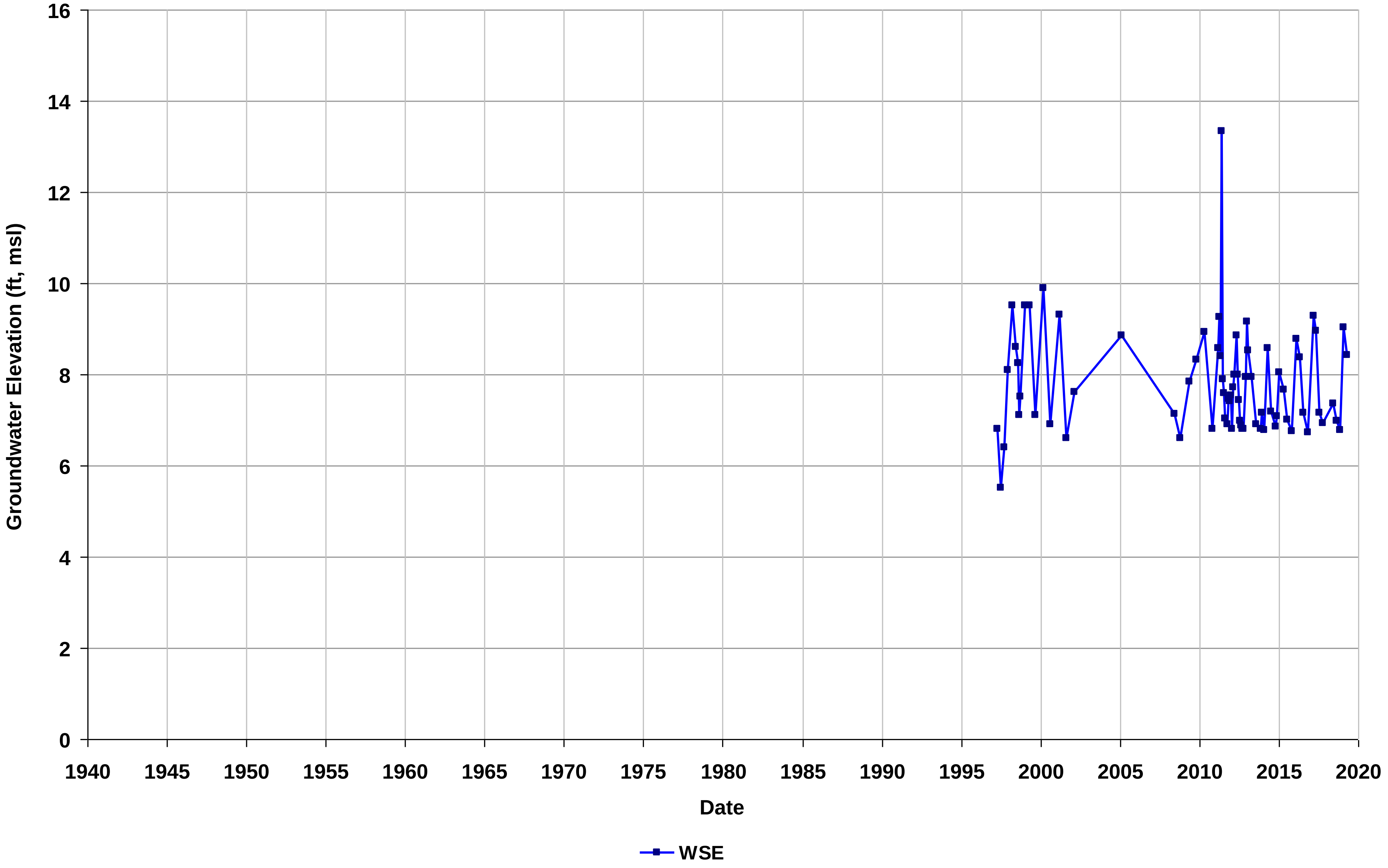
Well Name: SL20224842-MW-54R
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 10-25
T/R/S: 02S/03W/08
Well Use: Observation



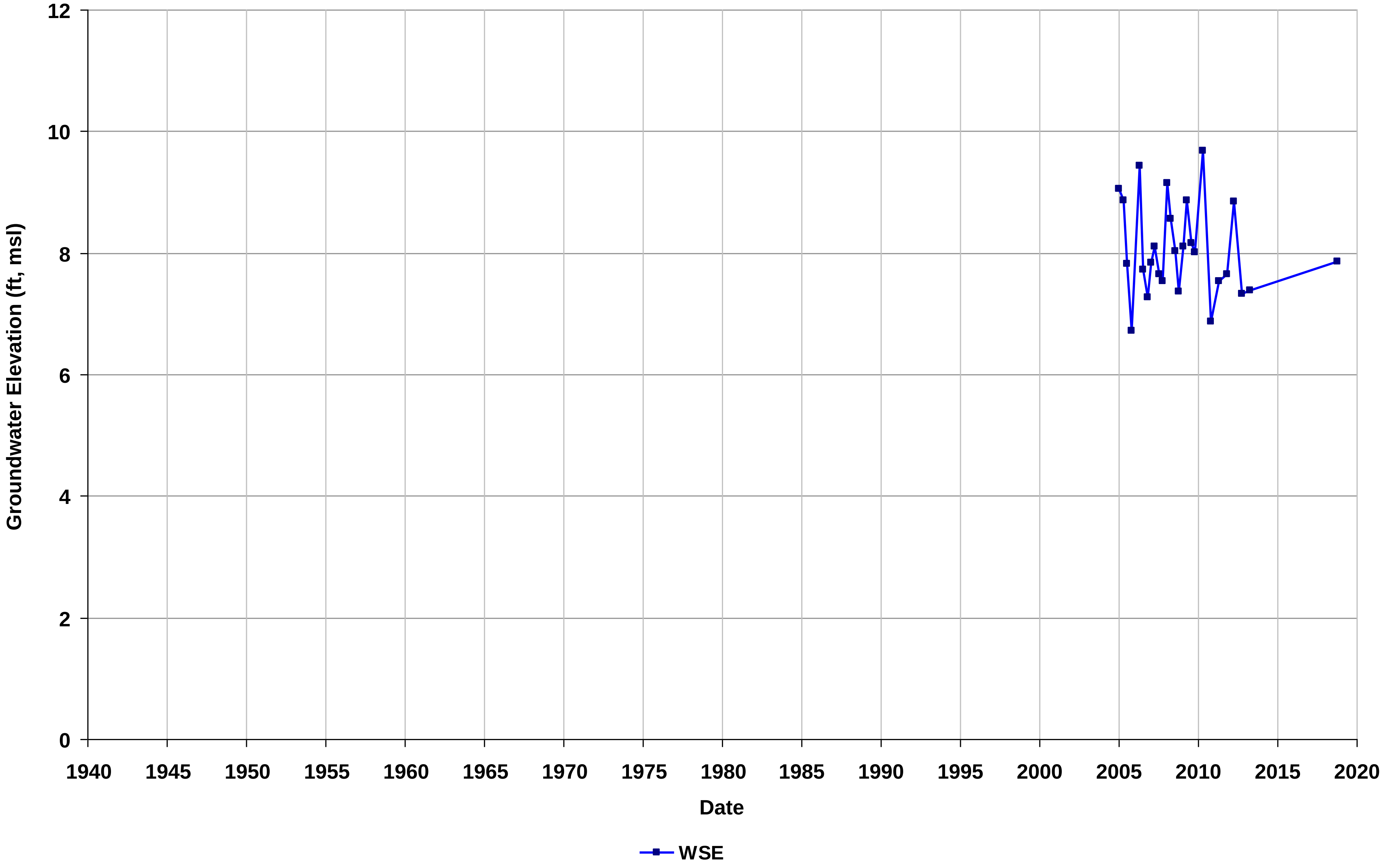
Well Name: SL20224842-MW-55R
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 10-25
T/R/S: 02S/03W/08
Well Use: Observation



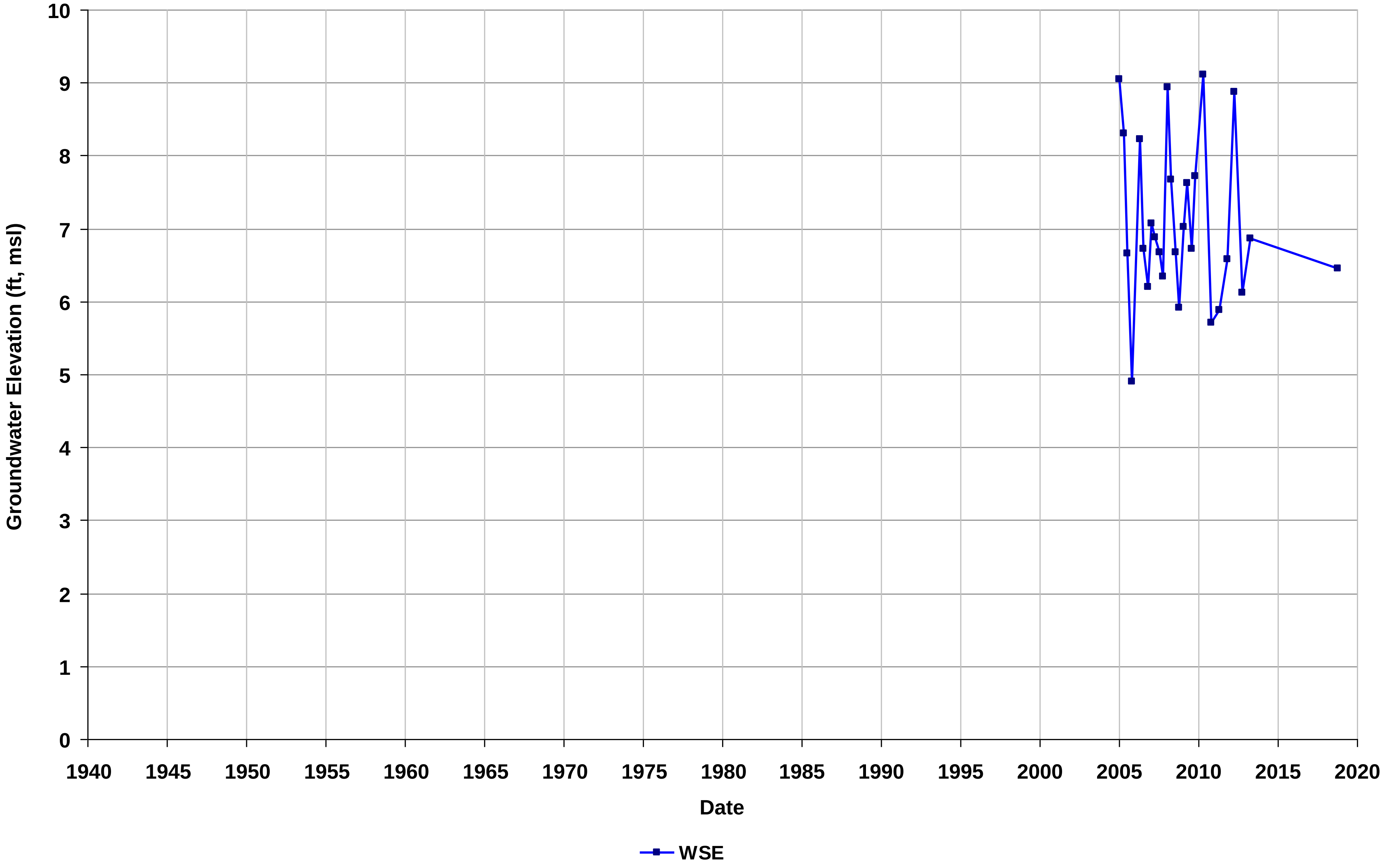
Well Name: SL20225843-B-1
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 25
Perf. Interval (ft bgs): 5-20
T/R/S: n/a
Well Use: Observation



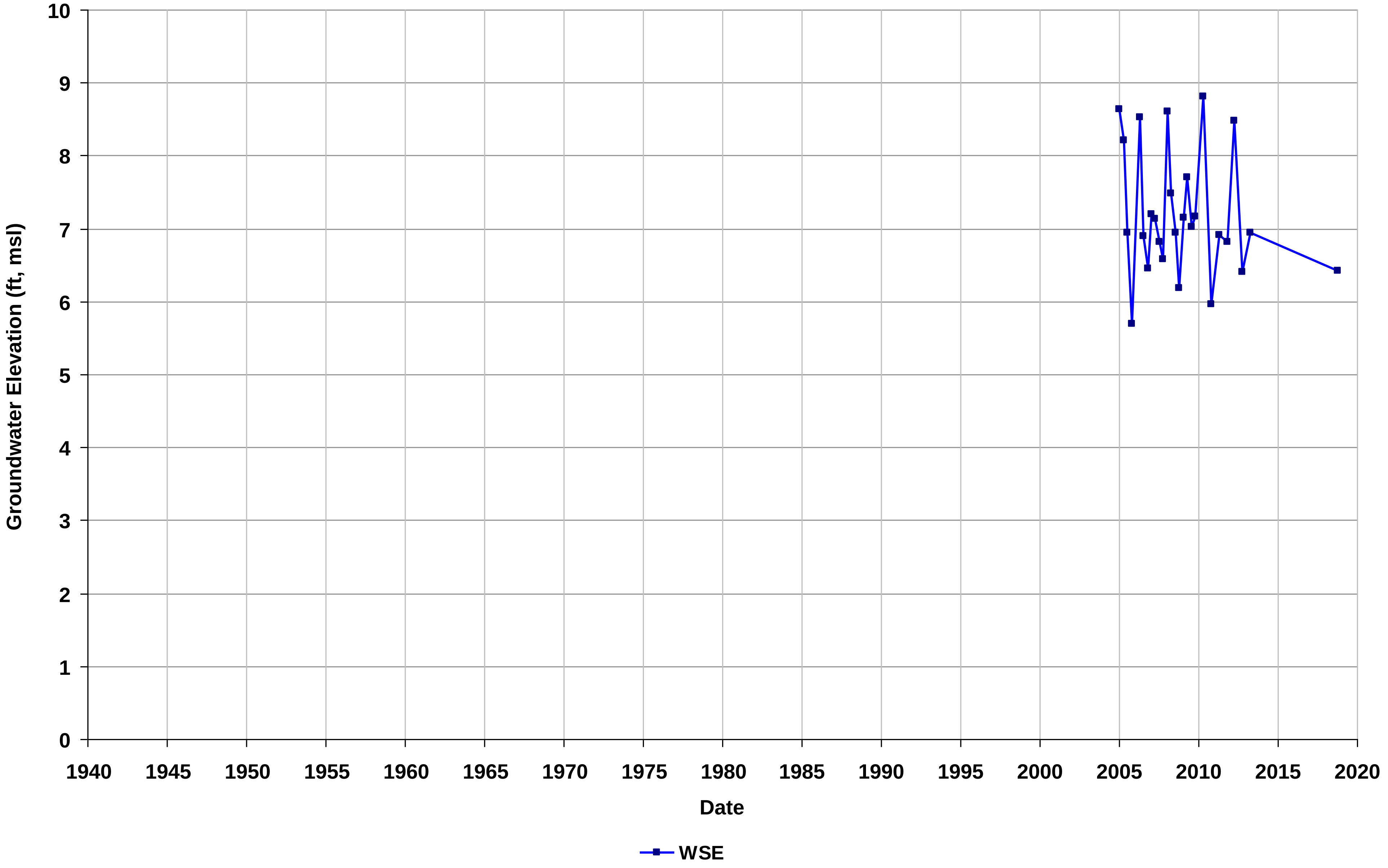
Well Name: SL20225843-B-12
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 24
Perf. Interval (ft bgs): 3.5-18
T/R/S: n/a
Well Use: Observation



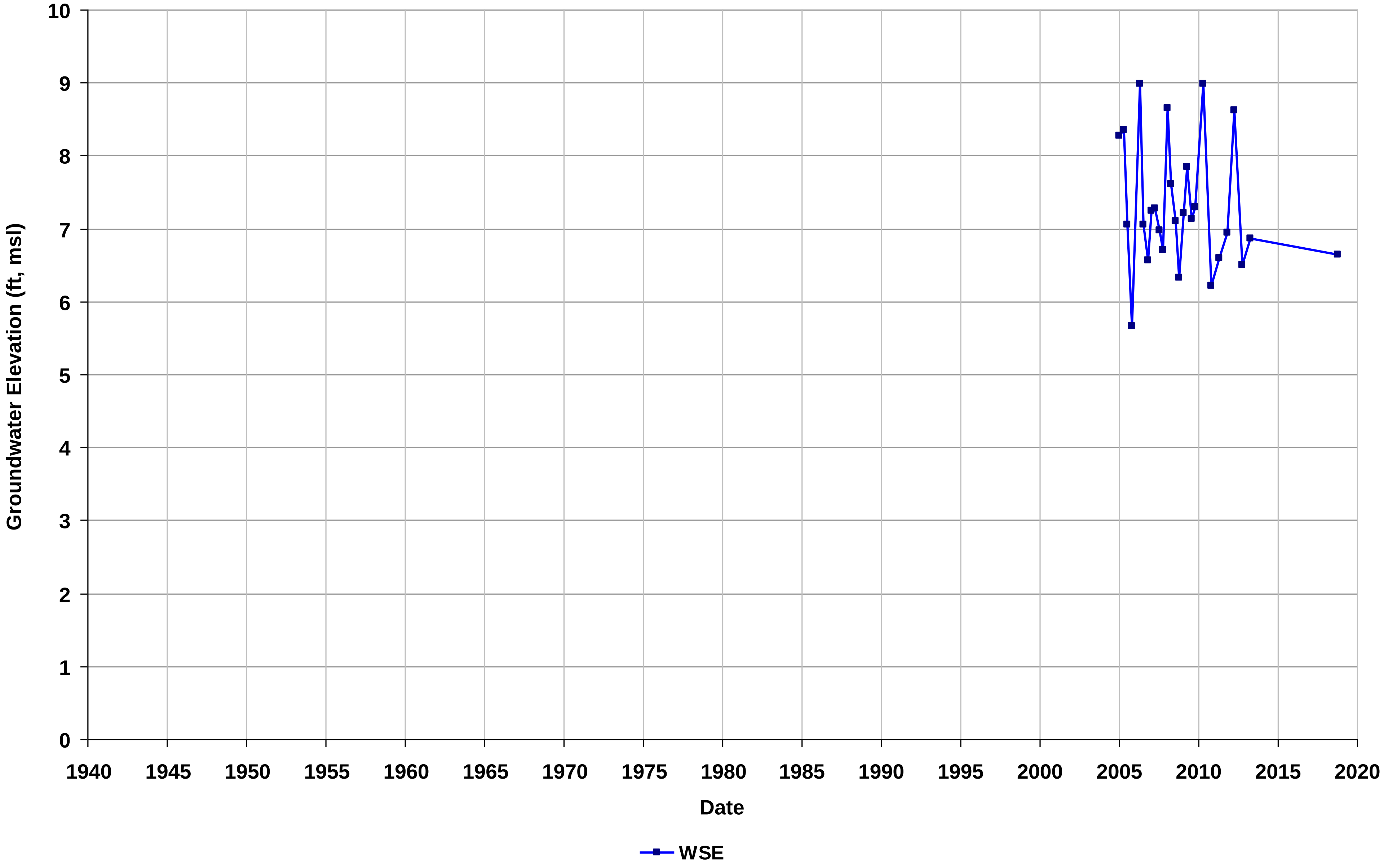
Well Name: SL20225843-B-13
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 24
Perf. Interval (ft bgs): 4-19
T/R/S: n/a
Well Use: Observation



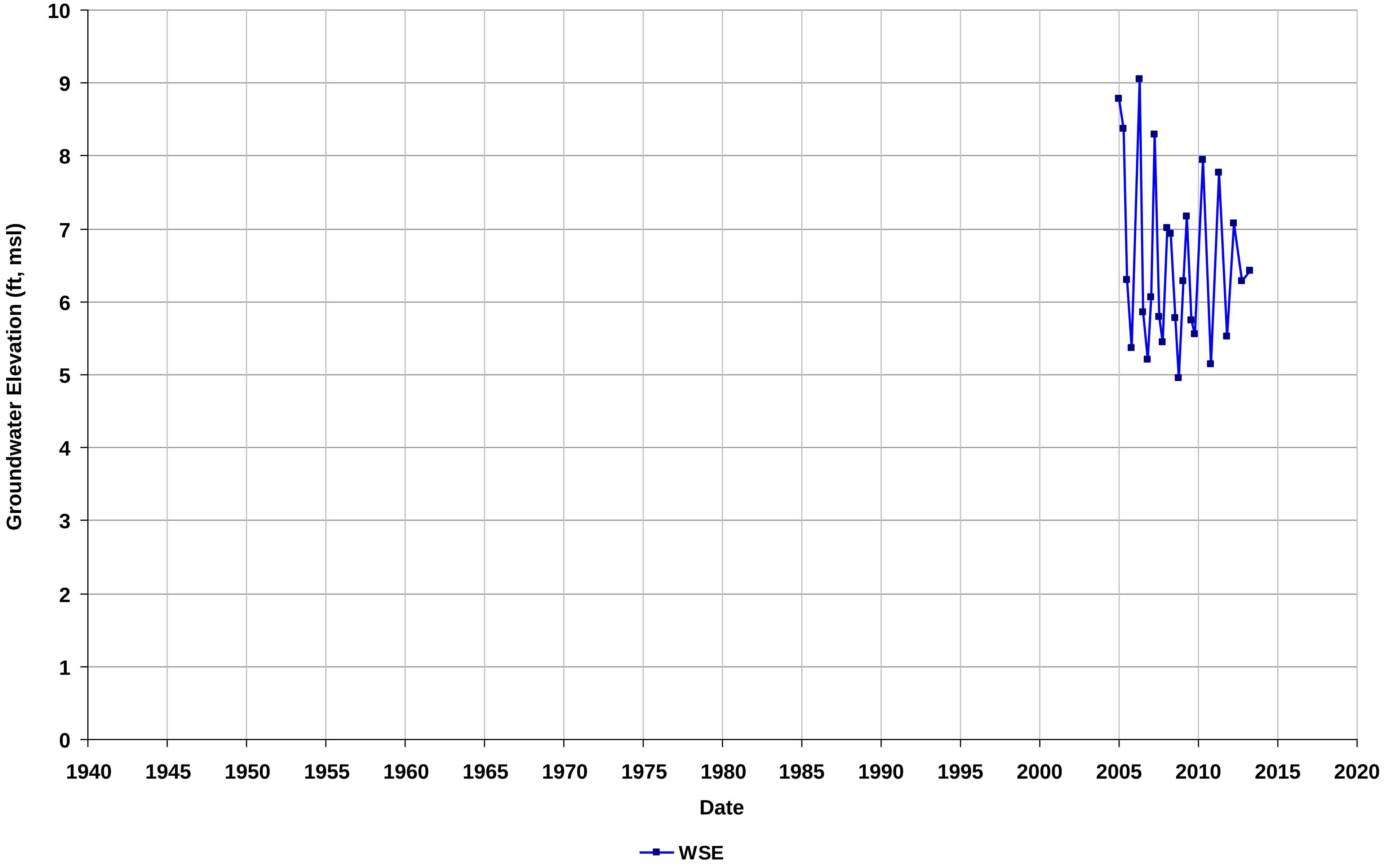
Well Name: SL20225843-B-2
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 23
Perf. Interval (ft bgs): 7-17
T/R/S: n/a
Well Use: Observation



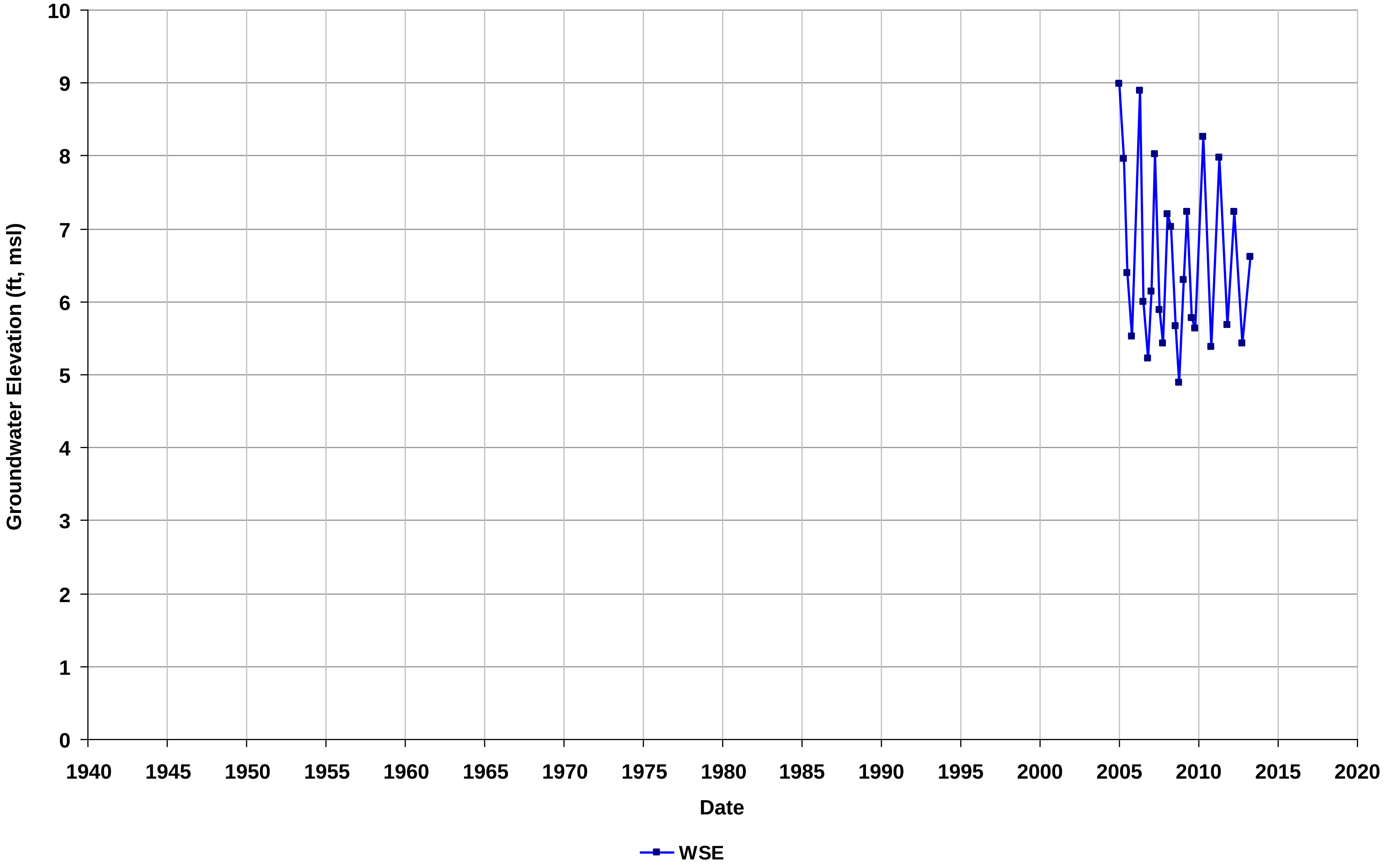
Well Name: SL20225843-B-26
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 16
Perf. Interval (ft bgs): 8-16
T/R/S: n/a
Well Use: Observation



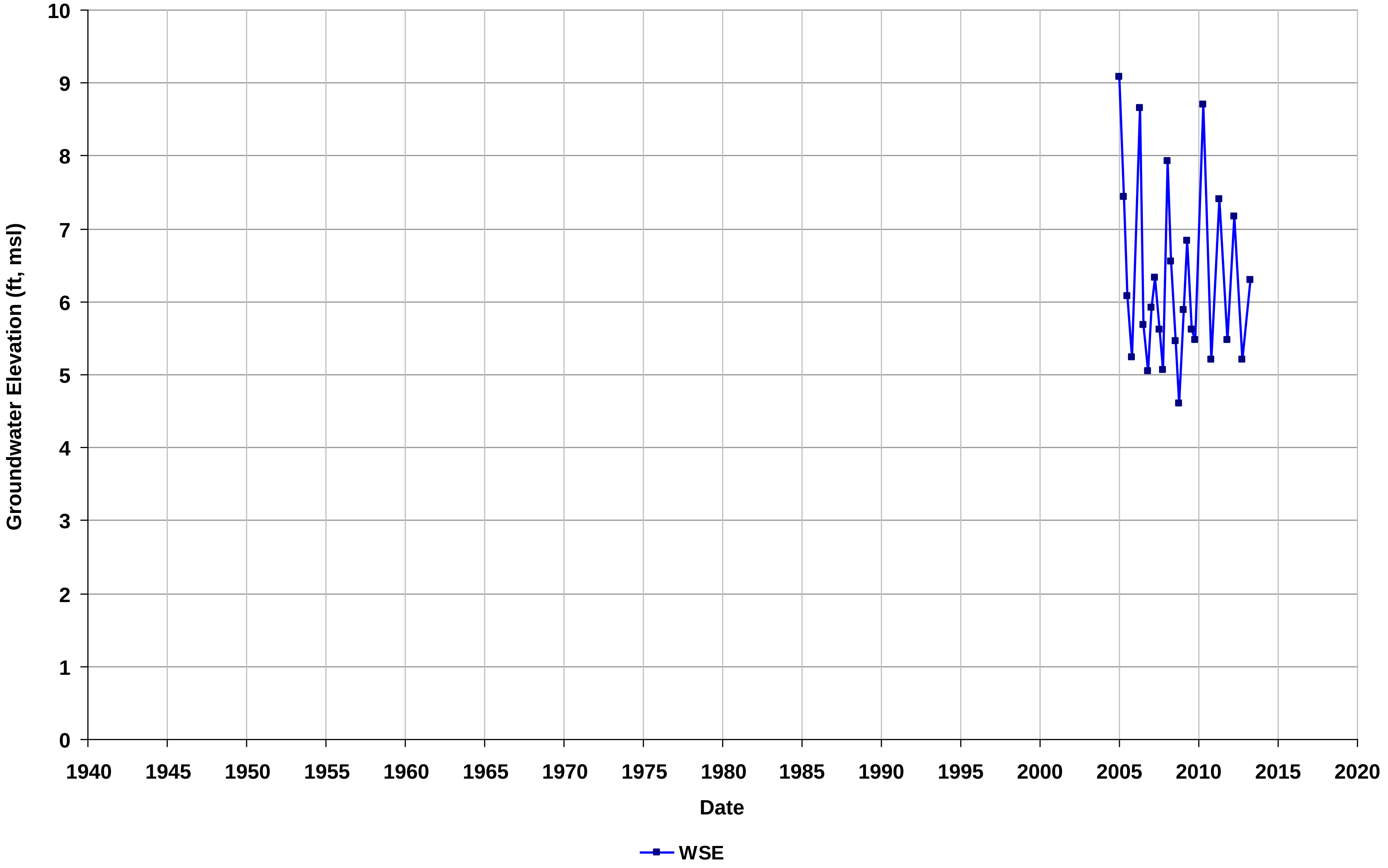
Well Name: SL20225843-B-27
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 18
Perf. Interval (ft bgs): 9-18
T/R/S: n/a
Well Use: Observation



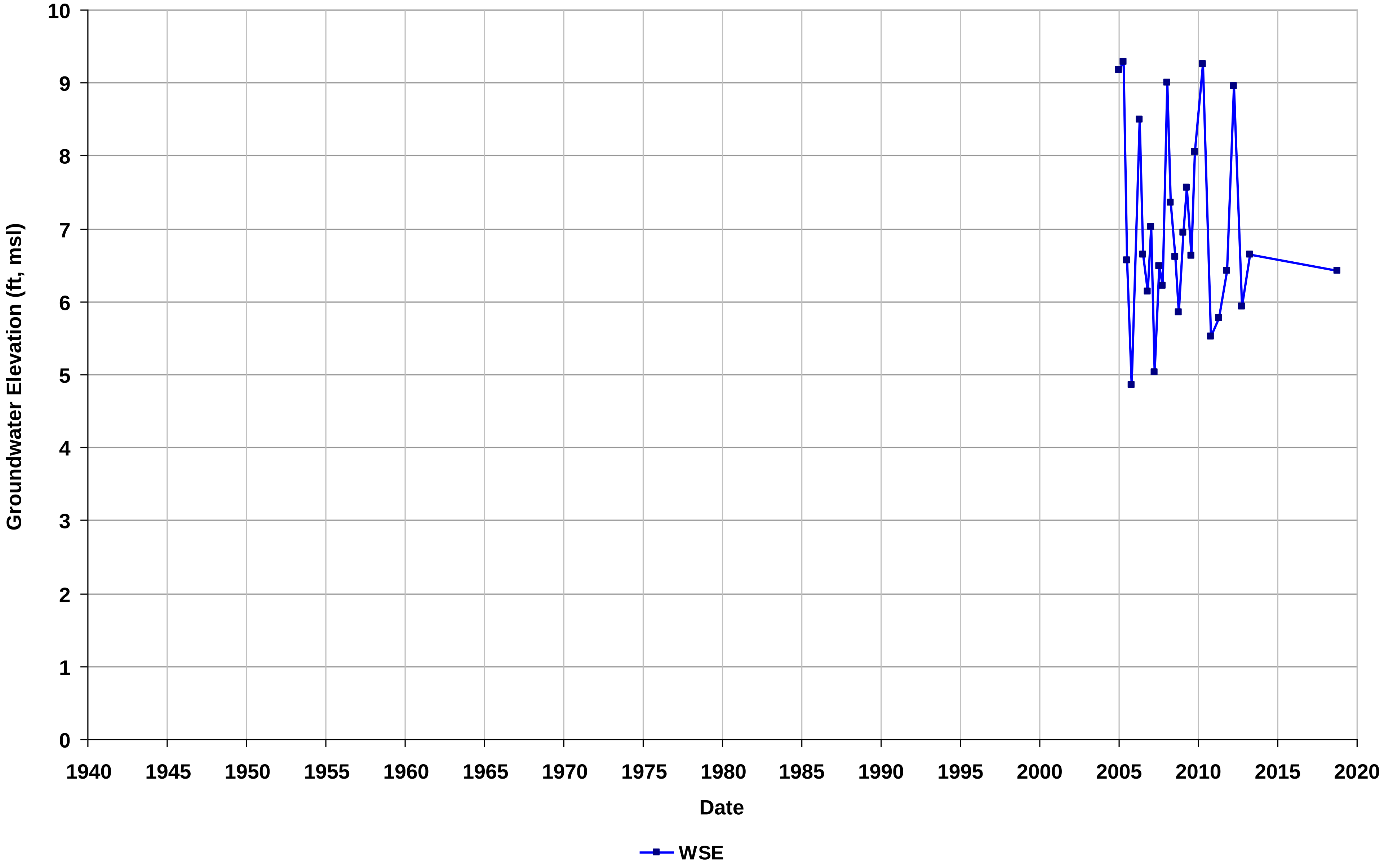
Well Name: SL20225843-B-28
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 17
Perf. Interval (ft bgs): 9-17
T/R/S: n/a
Well Use: Observation



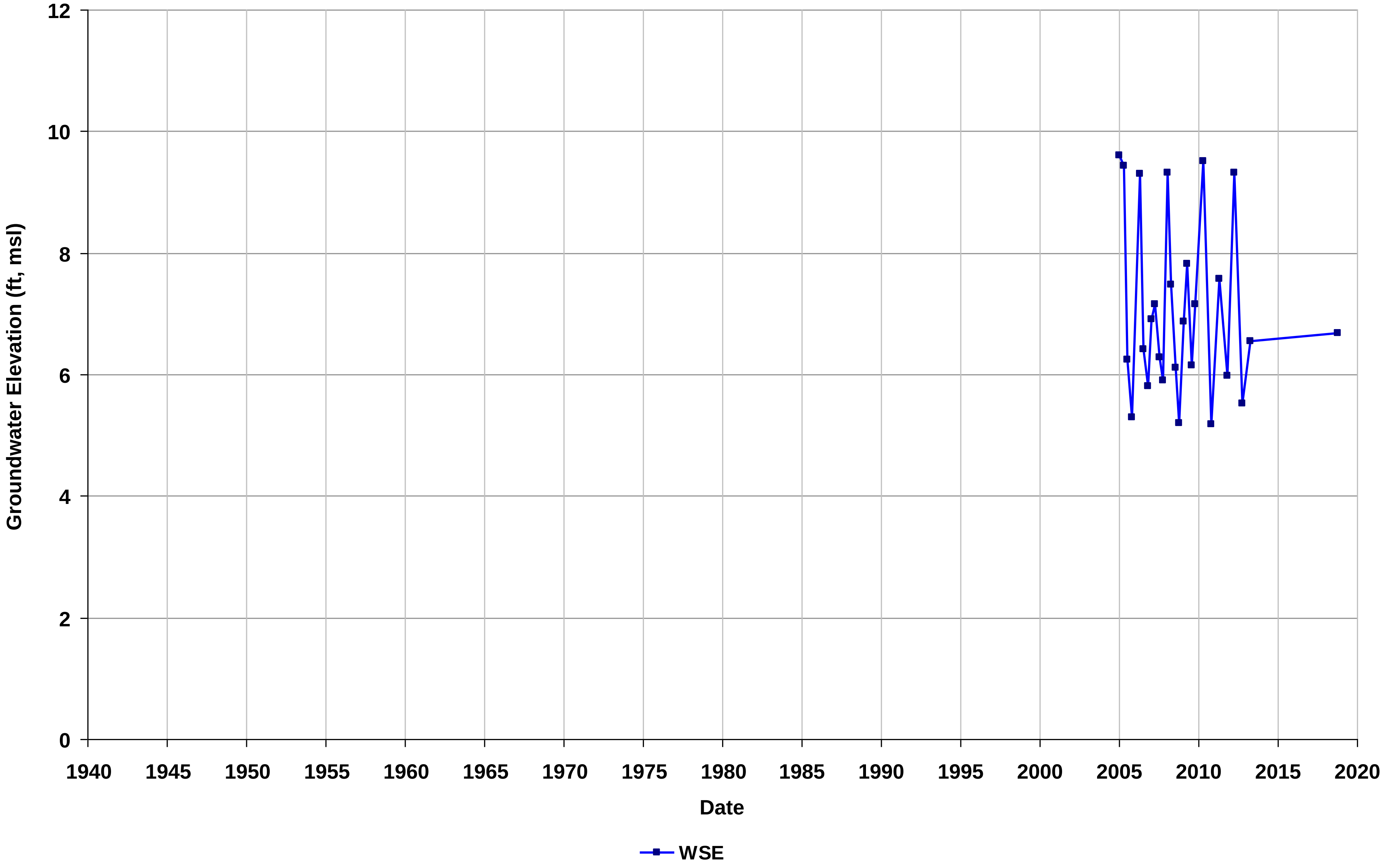
Well Name: SL20225843-B-29
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 19
Perf. Interval (ft bgs): 8.5-18
T/R/S: n/a
Well Use: Observation



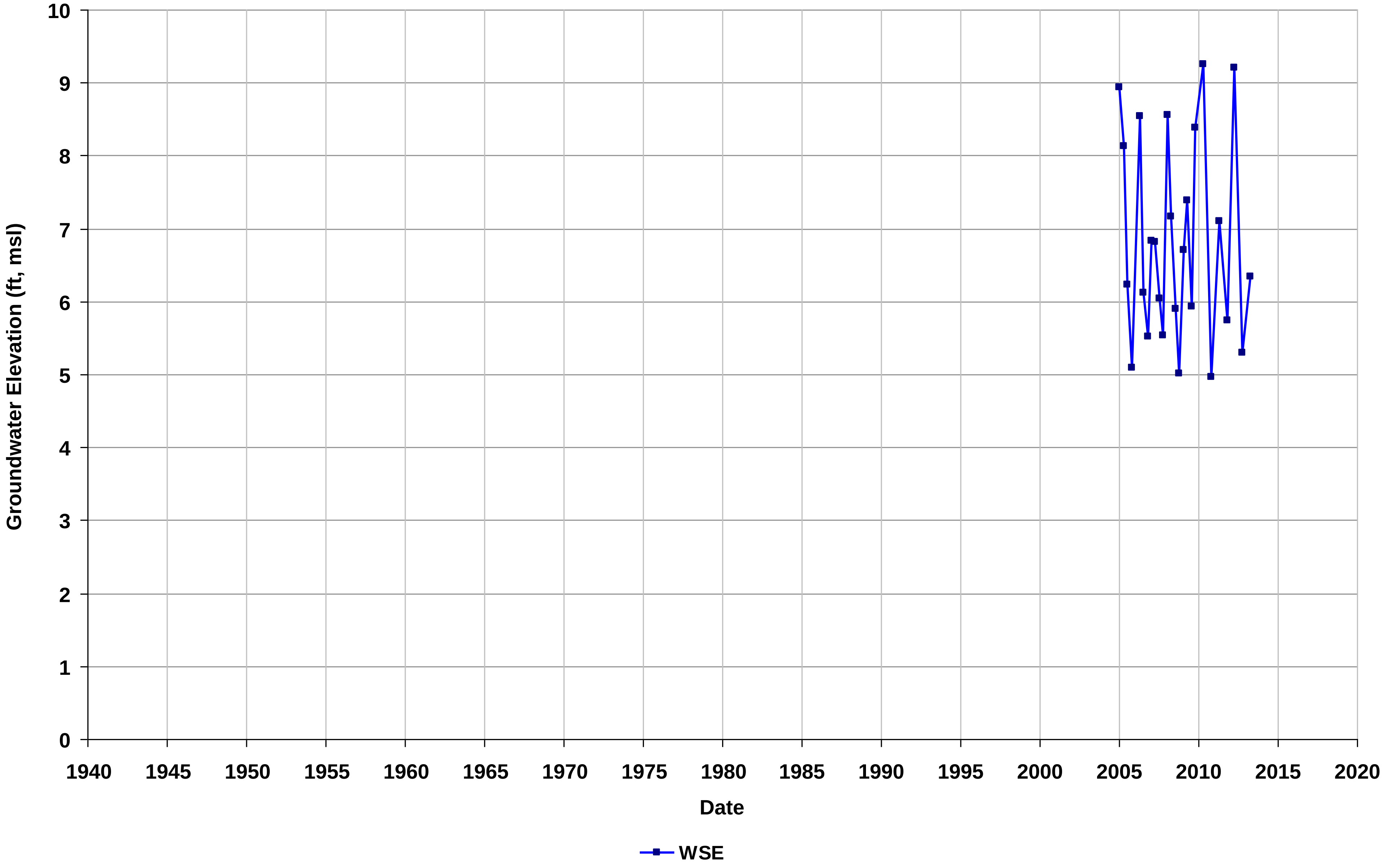
Well Name: SL20225843-B-3
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 25
Perf. Interval (ft bgs): 10-20
T/R/S: n/a
Well Use: Observation



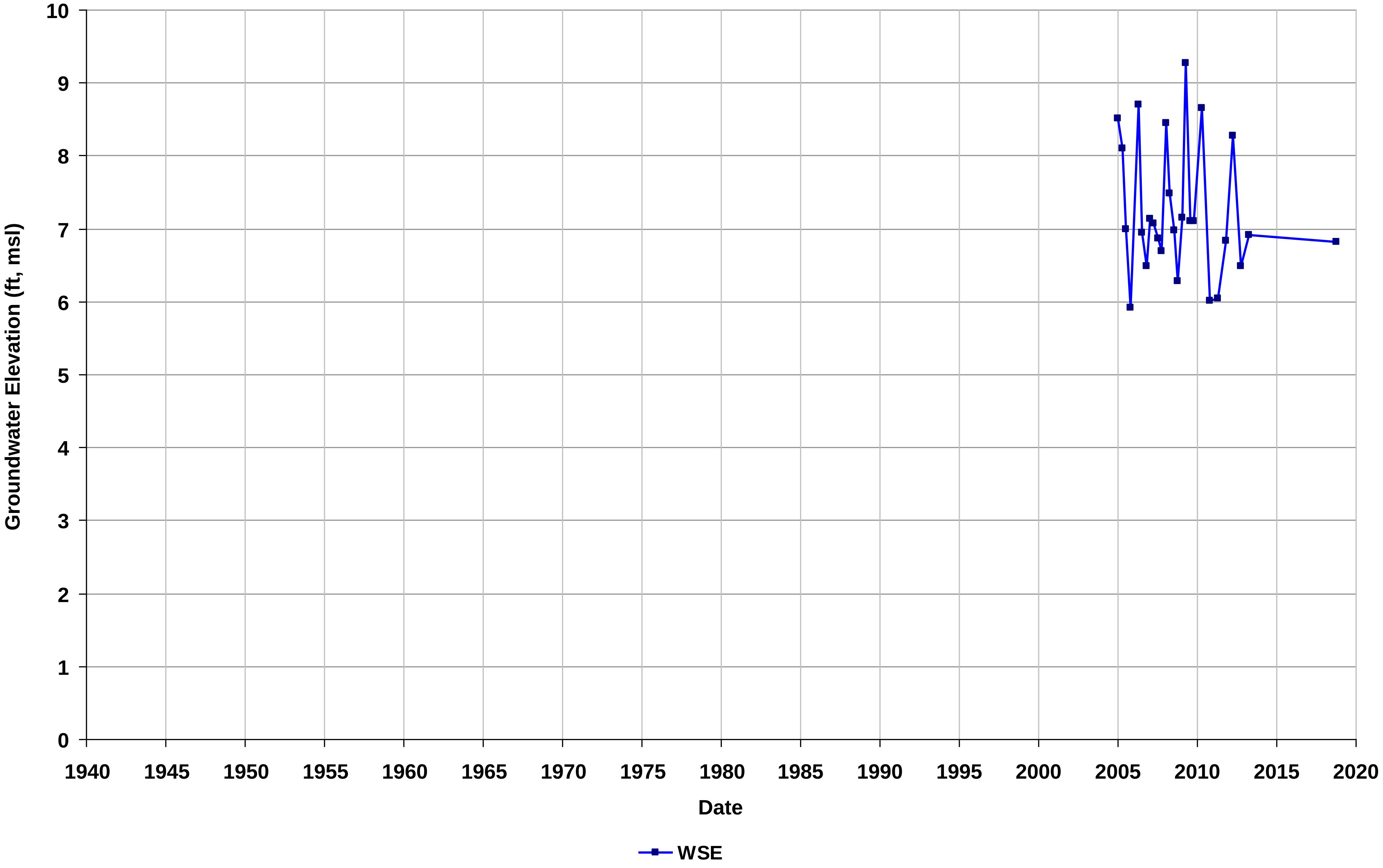
Well Name: SL20225843-B-30
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 18
Perf. Interval (ft bgs): 8.5-18
T/R/S: n/a
Well Use: Observation



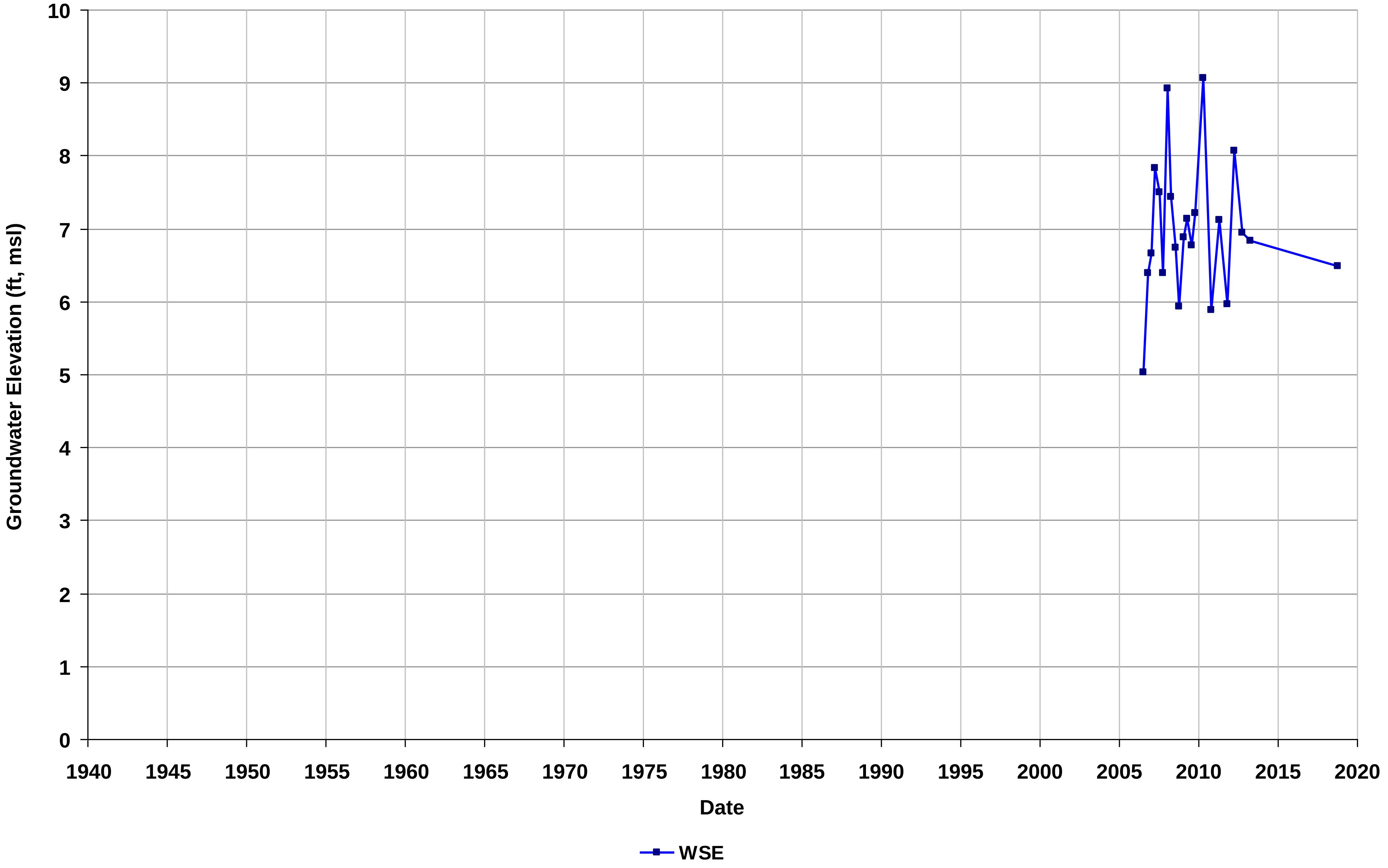
Well Name: SL20225843-B-31
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 18
Perf. Interval (ft bgs): 8.5-18
T/R/S: n/a
Well Use: Observation



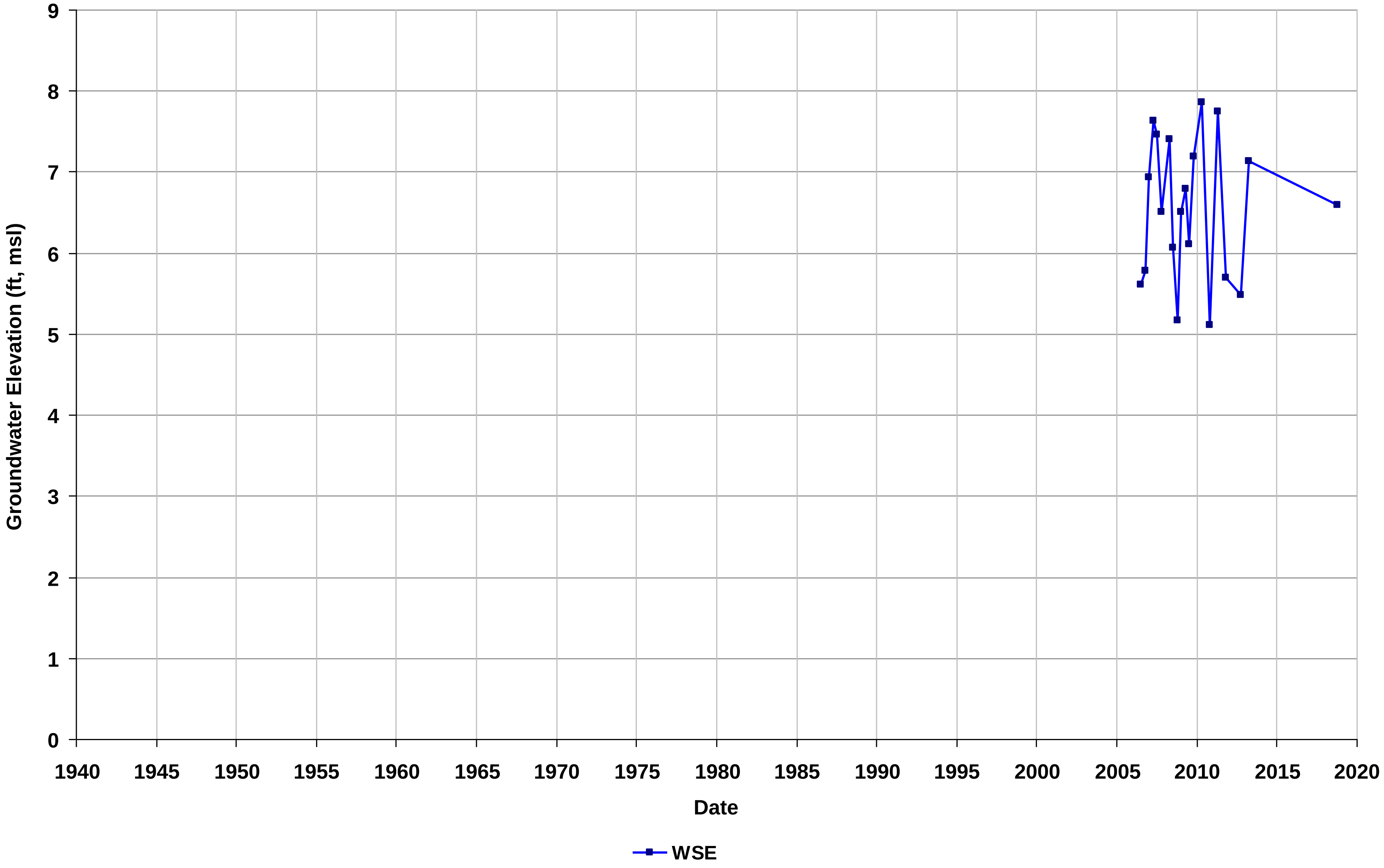
Well Name: SL20225843-B-33
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 18
Perf. Interval (ft bgs): 8.5-18
T/R/S: n/a
Well Use: Observation



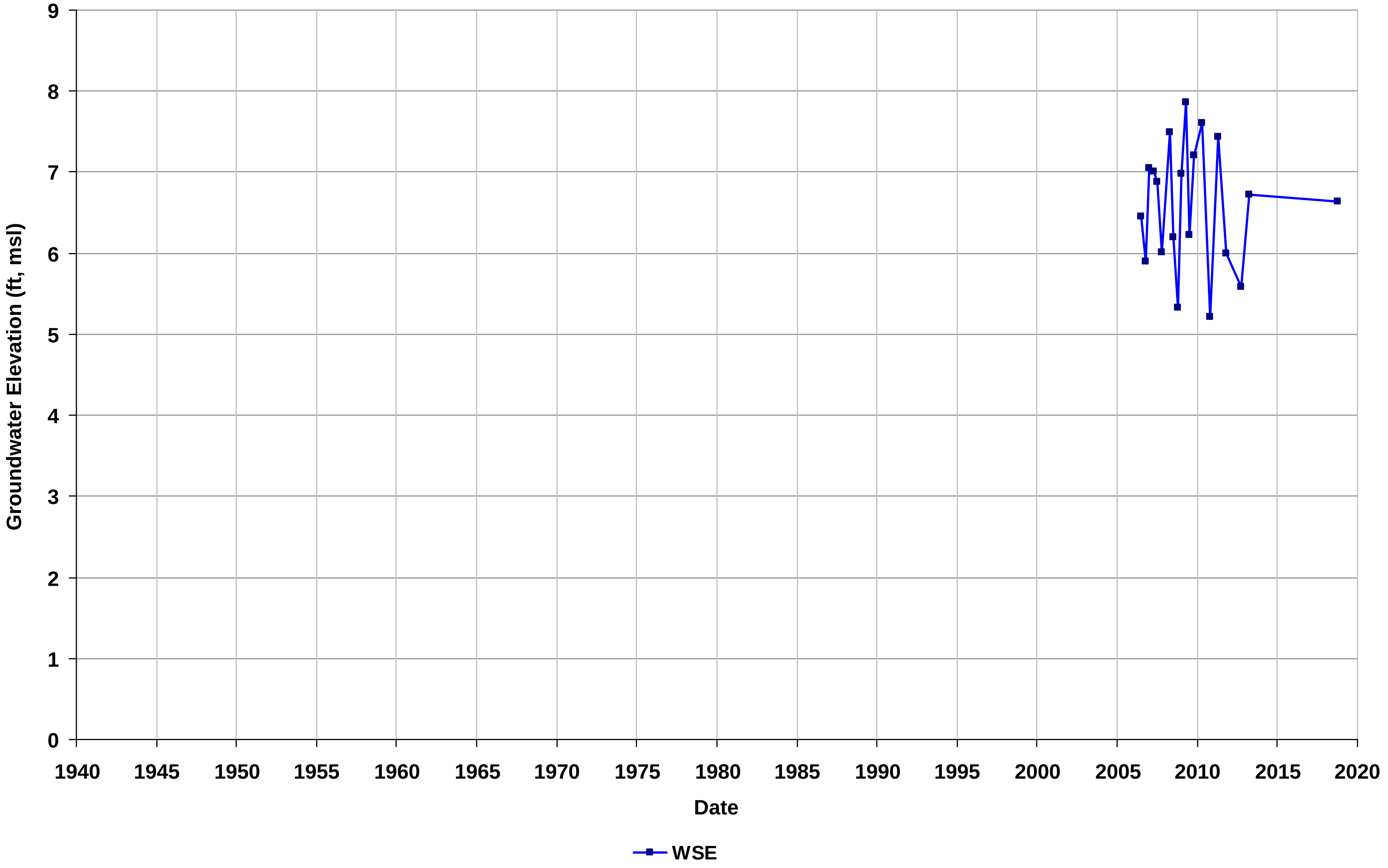
Well Name: SL20225843-B-34
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 18
Perf. Interval (ft bgs): 8-18
T/R/S: n/a
Well Use: Observation



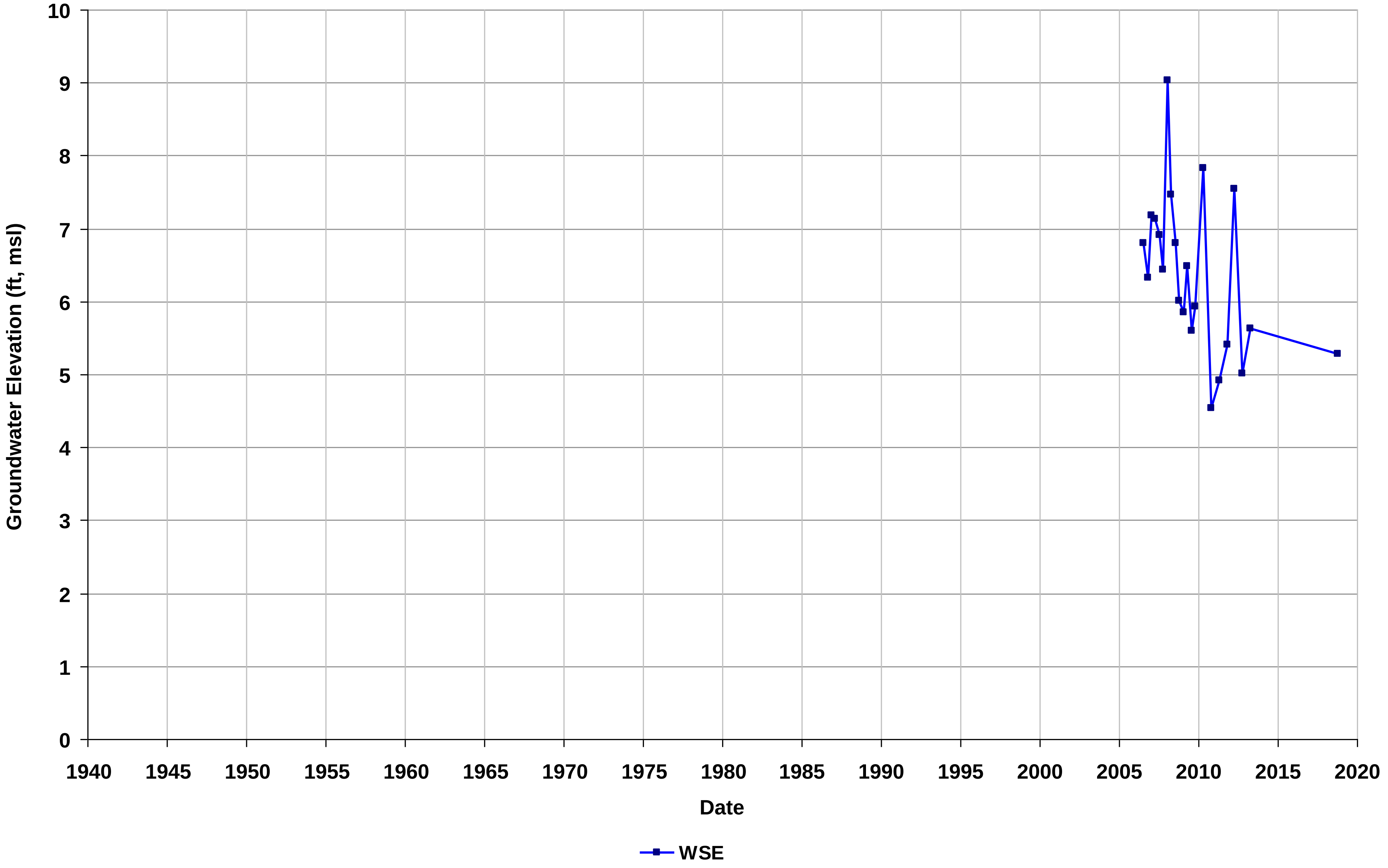
Well Name: SL20225843-B-35
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 10-20
T/R/S: n/a
Well Use: Observation



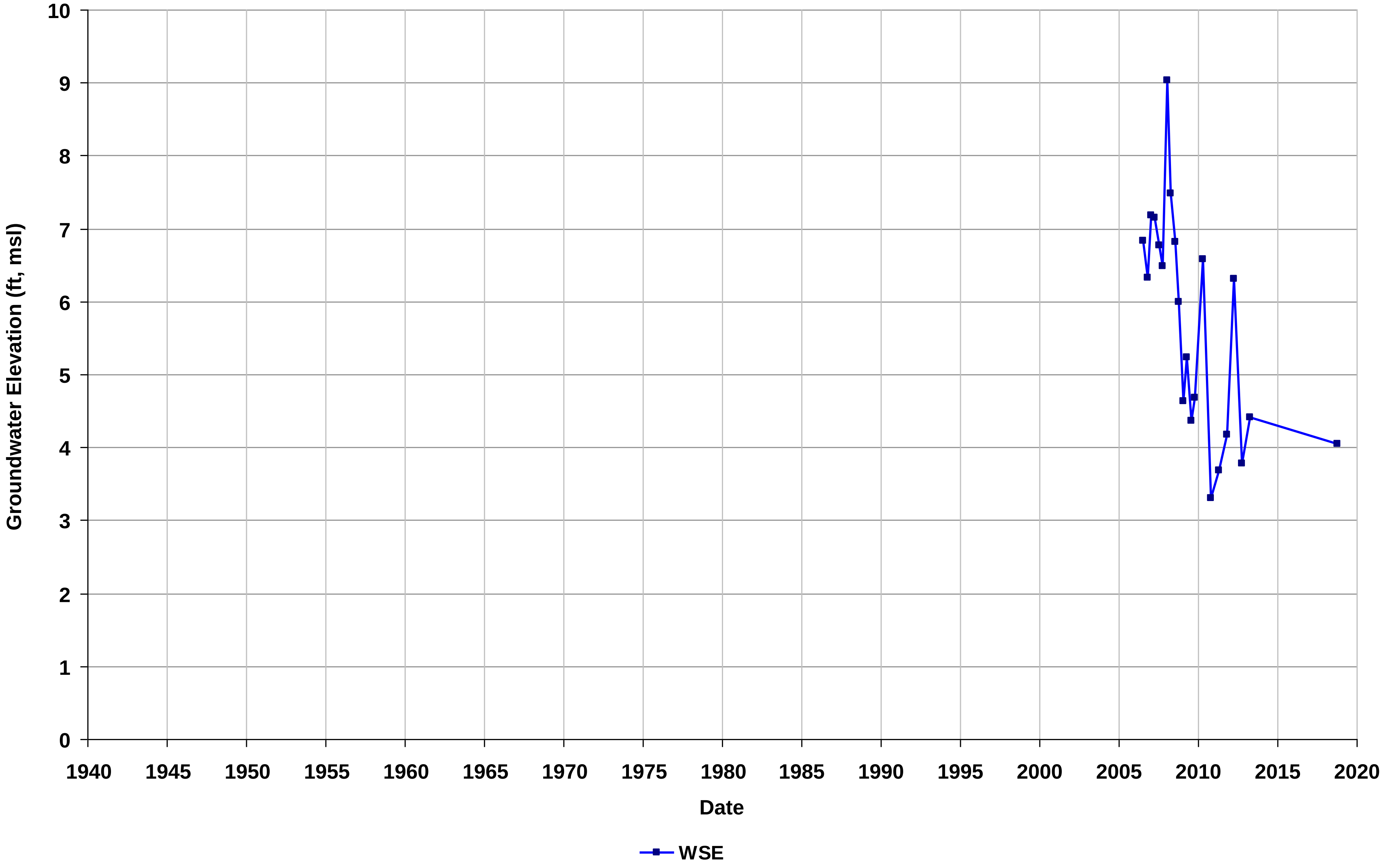
Well Name: SL20225843-B-36
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 18
Perf. Interval (ft bgs): 10-20
T/R/S: n/a
Well Use: Observation



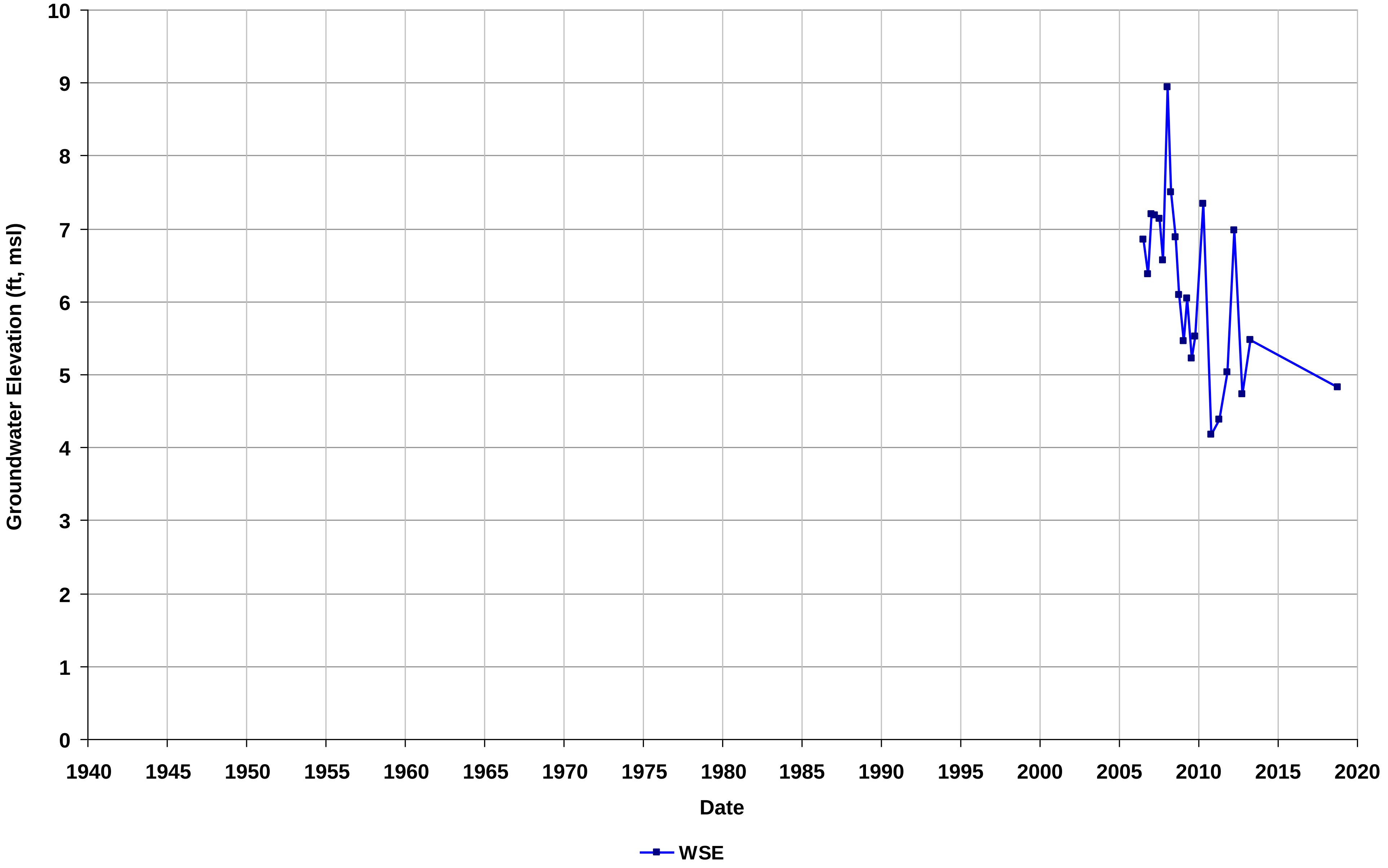
Well Name: SL20225843-B-37
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 12.5-22
T/R/S: n/a
Well Use: Observation



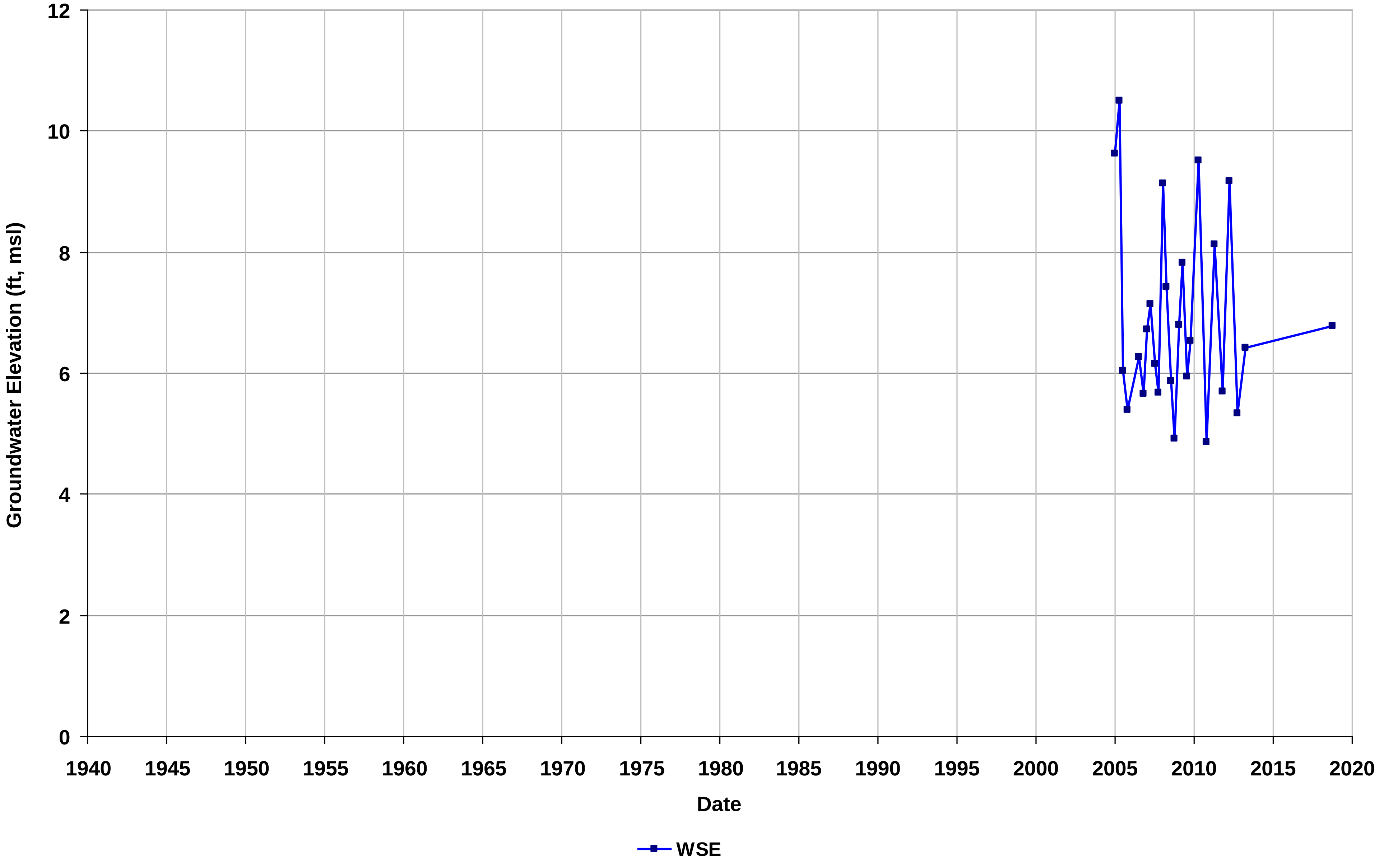
Well Name: SL20225843-B-38
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 11.5-22
T/R/S: n/a
Well Use: Observation



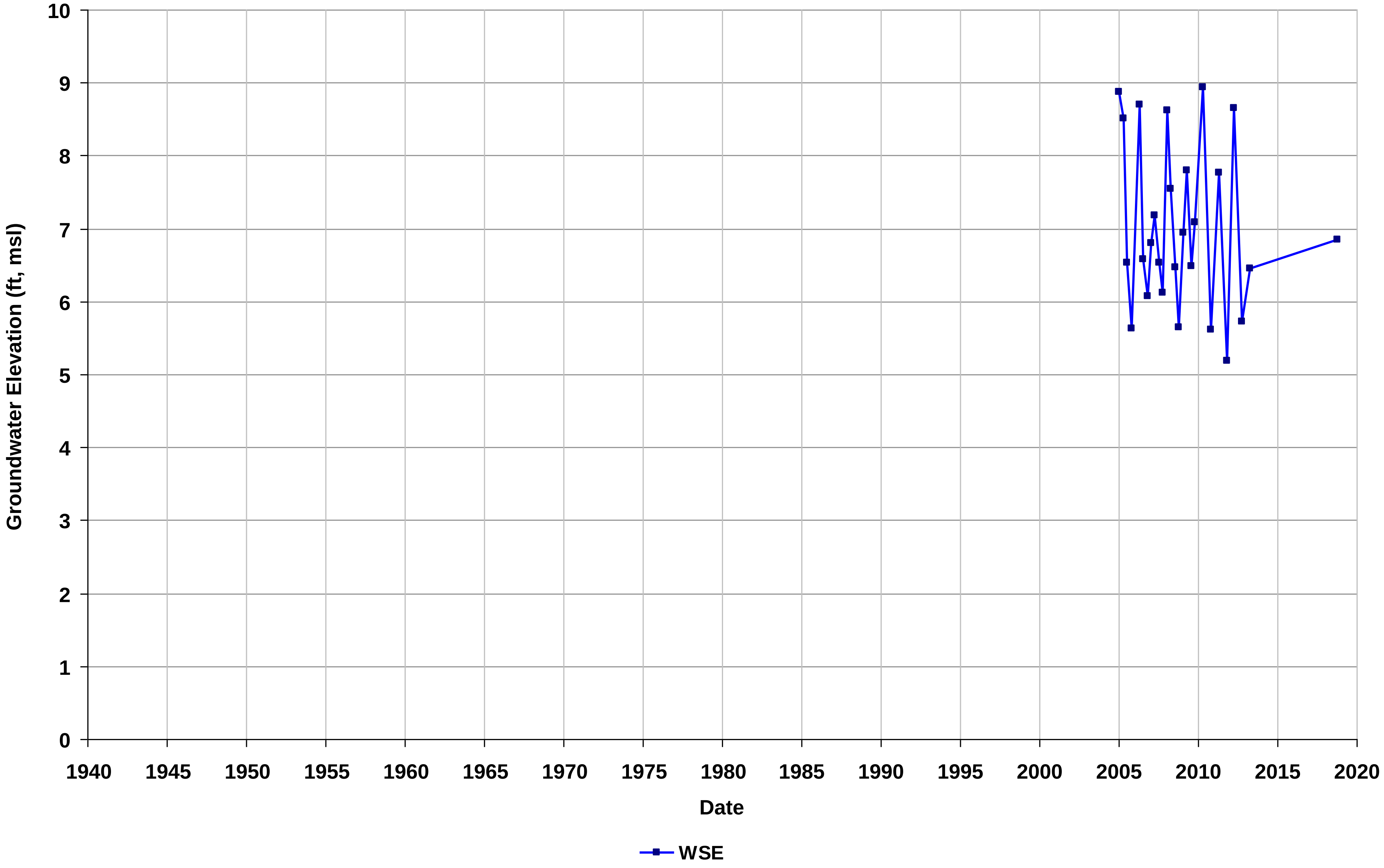
Well Name: SL20225843-B-4
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 23
Perf. Interval (ft bgs): 8-18
T/R/S: n/a
Well Use: Observation



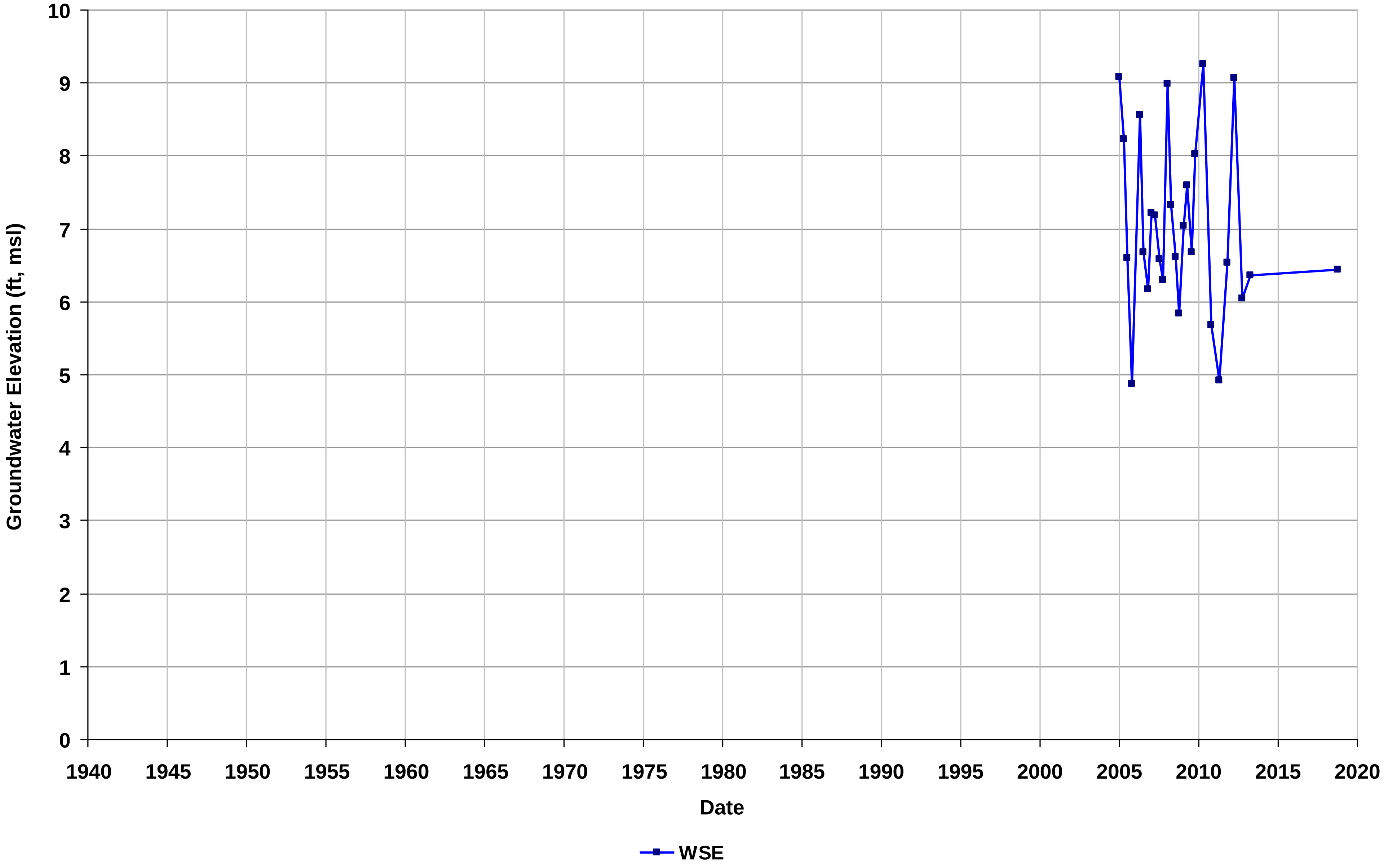
Well Name: SL20225843-B-5
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 25
Perf. Interval (ft bgs): 10-20
T/R/S: n/a
Well Use: Observation



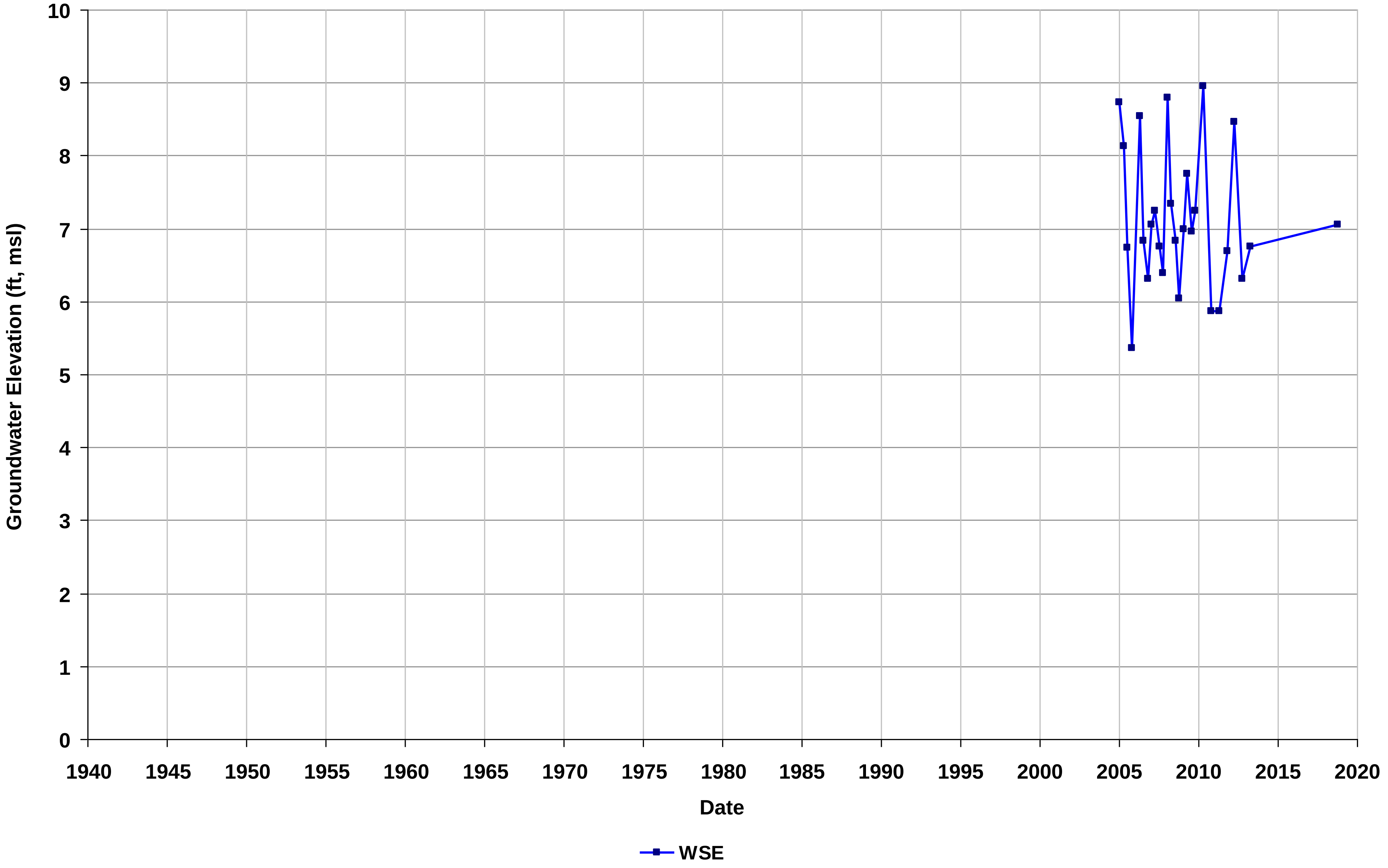
Well Name: SL20225843-B-6
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 22
Perf. Interval (ft bgs): 7-17
T/R/S: n/a
Well Use: Observation



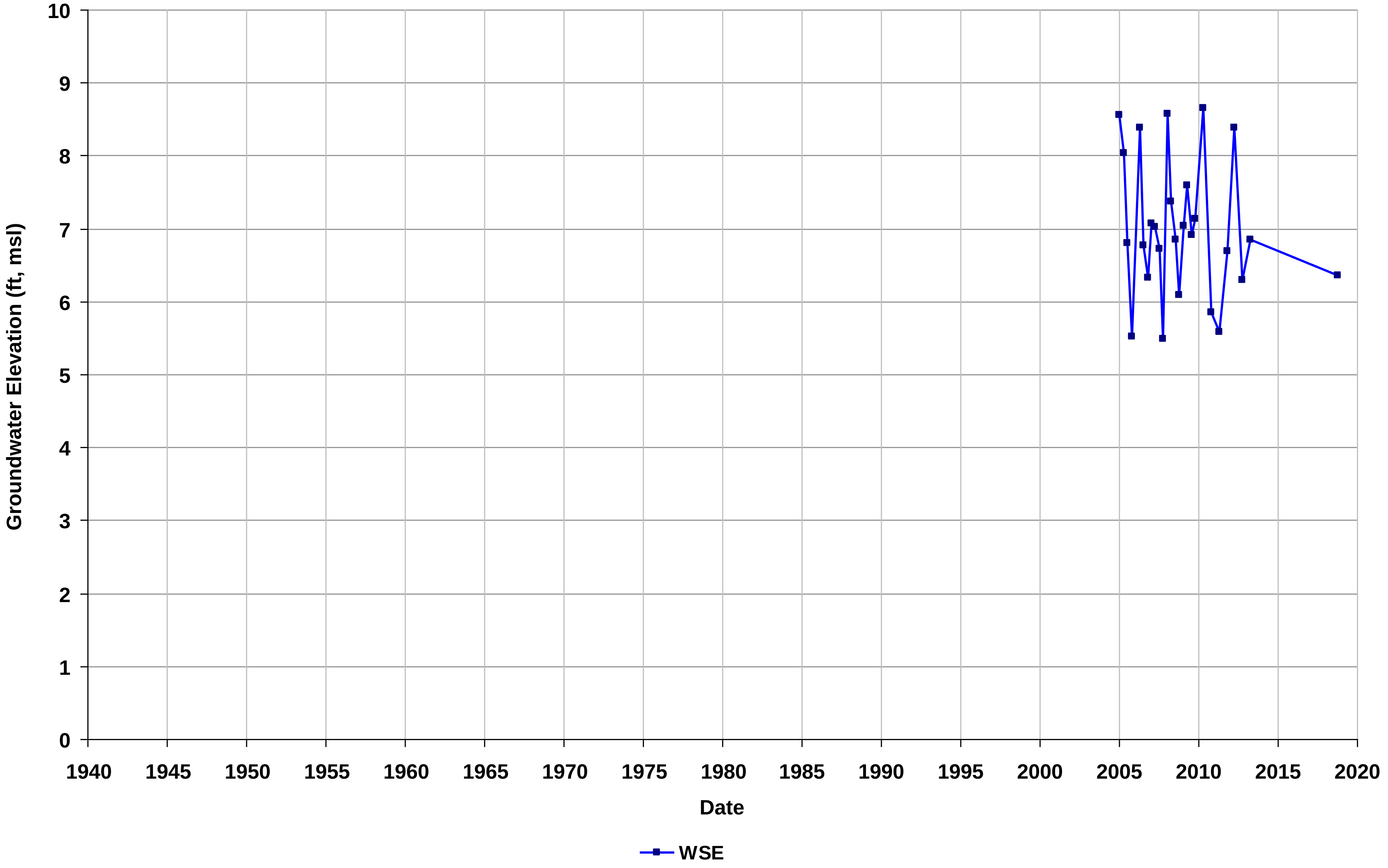
Well Name: SL20225843-B-7
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 23
Perf. Interval (ft bgs): 8-18
T/R/S: n/a
Well Use: Observation



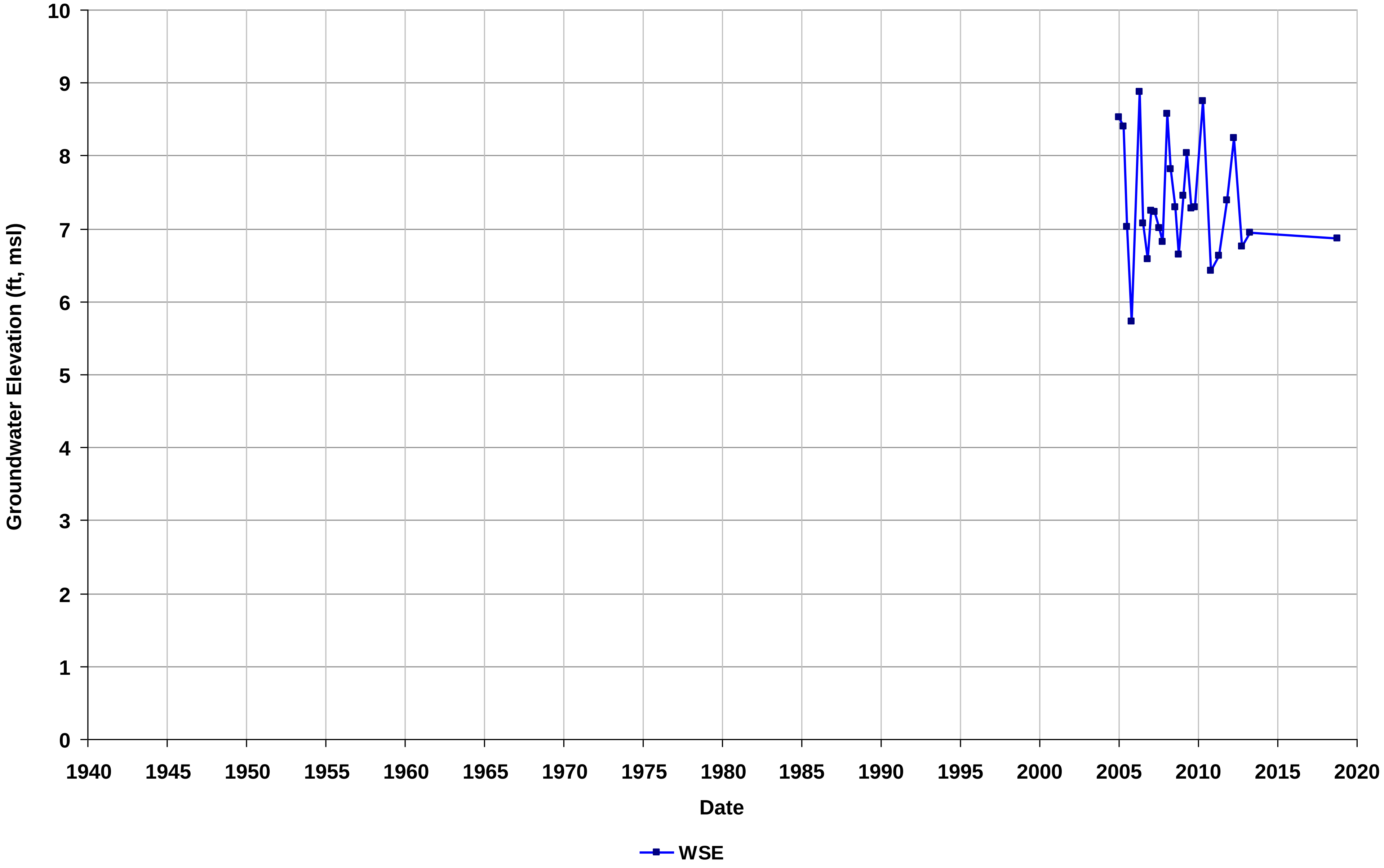
Well Name: SL20225843-B-8
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 18
Perf. Interval (ft bgs): 3-13
T/R/S: n/a
Well Use: Observation



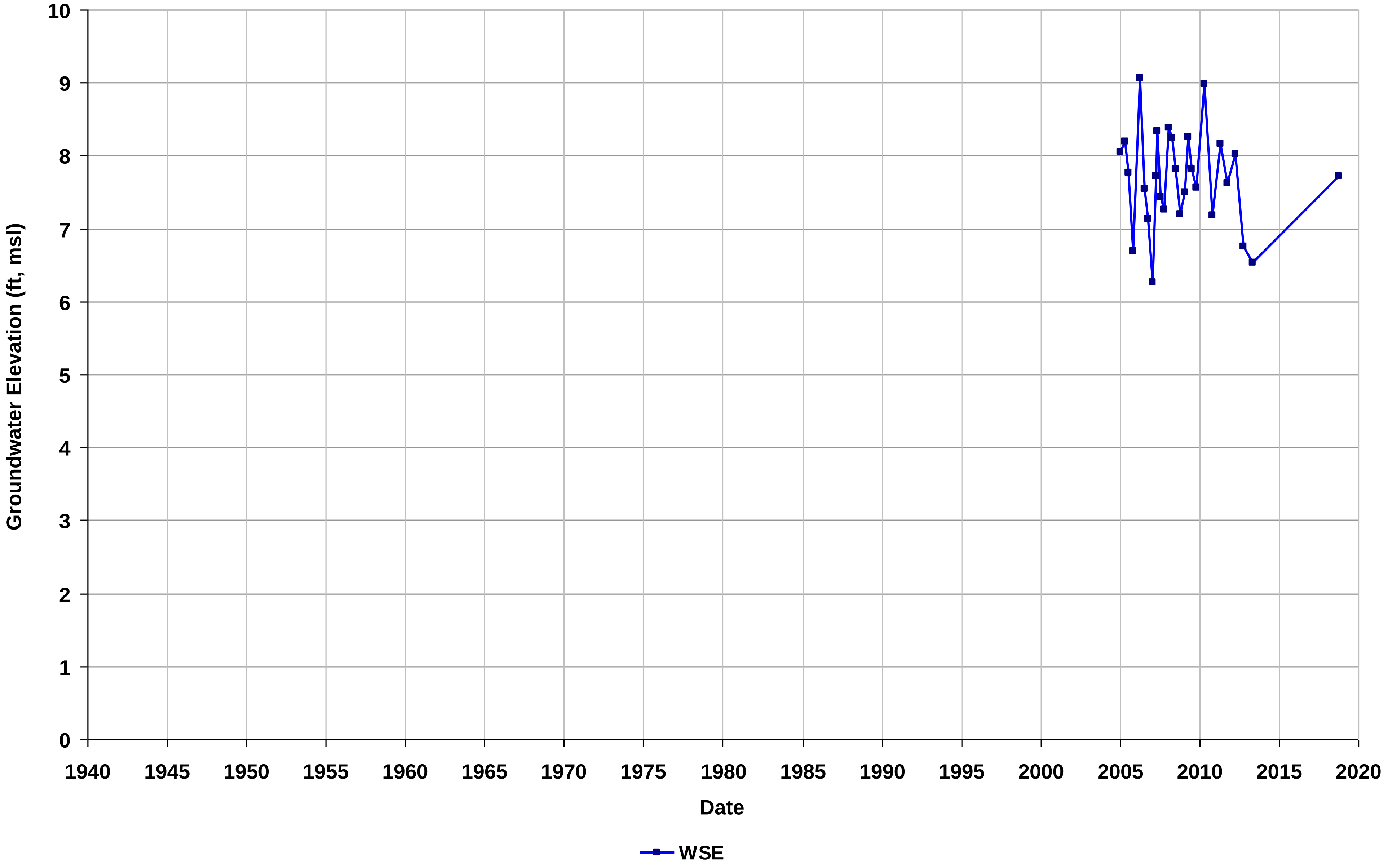
Well Name: SL20225843-B-9
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 23
Perf. Interval (ft bgs): 9-19
T/R/S: n/a
Well Use: Observation



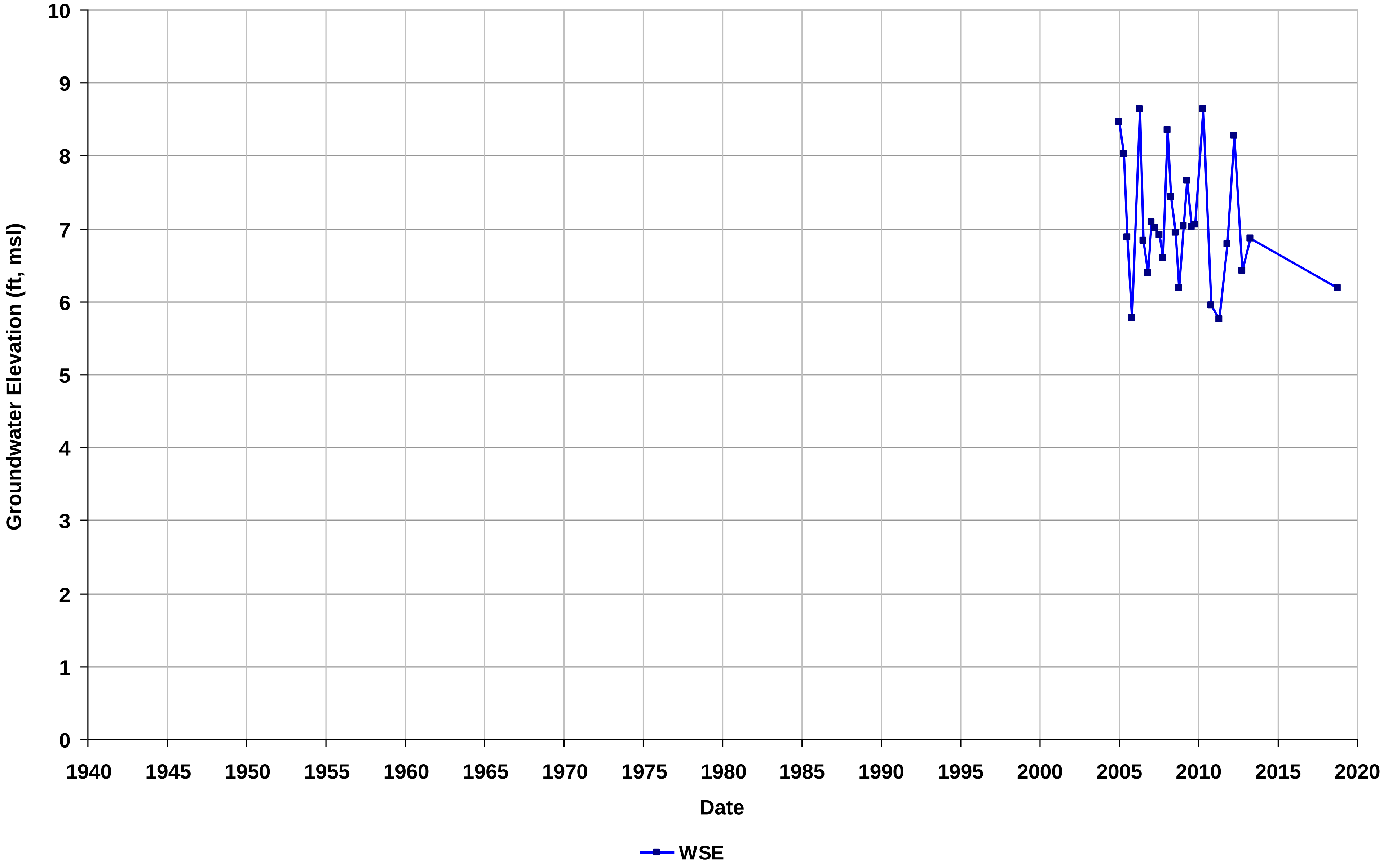
Well Name: SL20225843-D-1
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 51
Perf. Interval (ft bgs): 38.5-50
T/R/S: n/a
Well Use: Observation



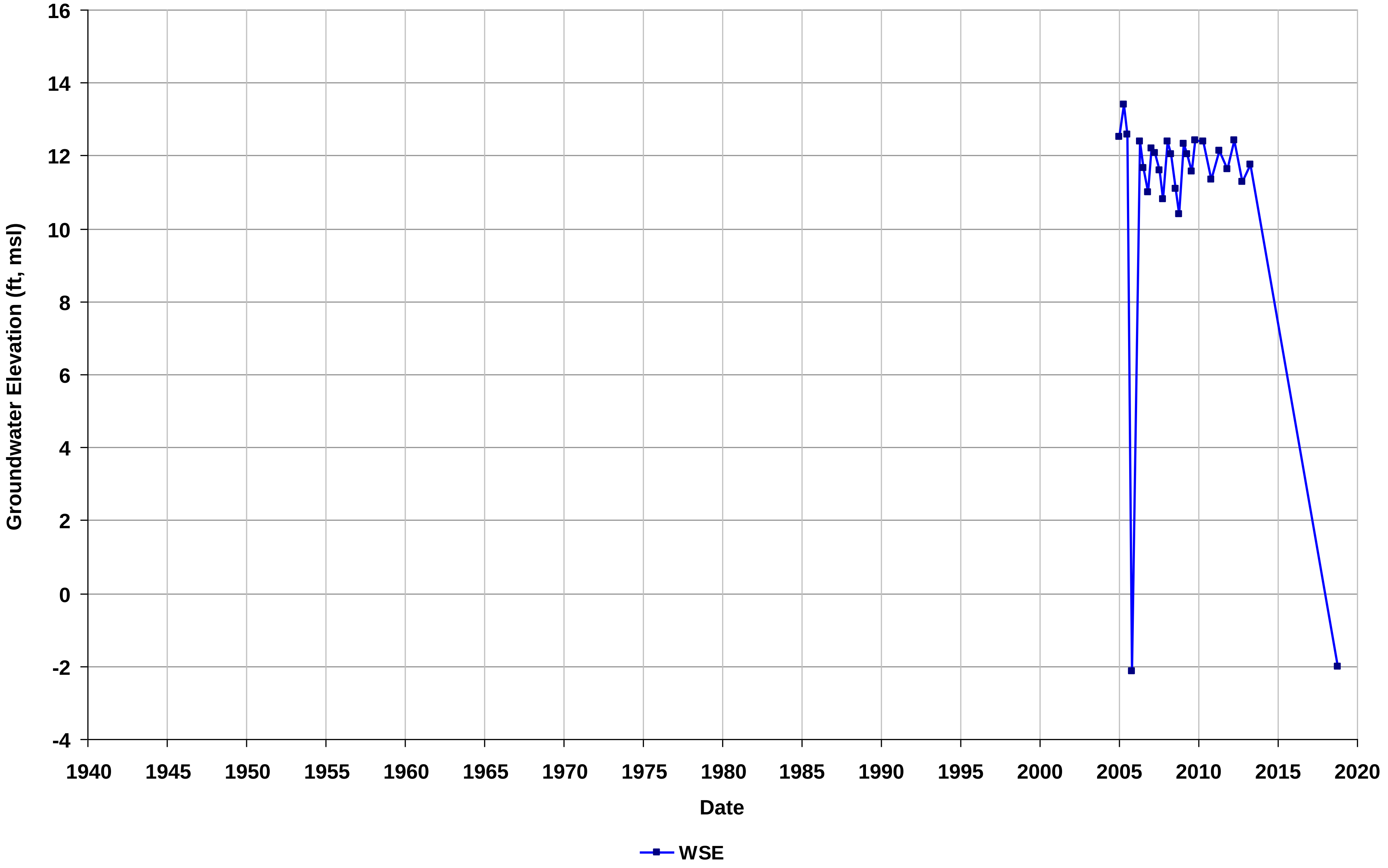
Well Name: SL20225843-W-15
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 18
Perf. Interval (ft bgs): 10.5-16
T/R/S: n/a
Well Use: Observation



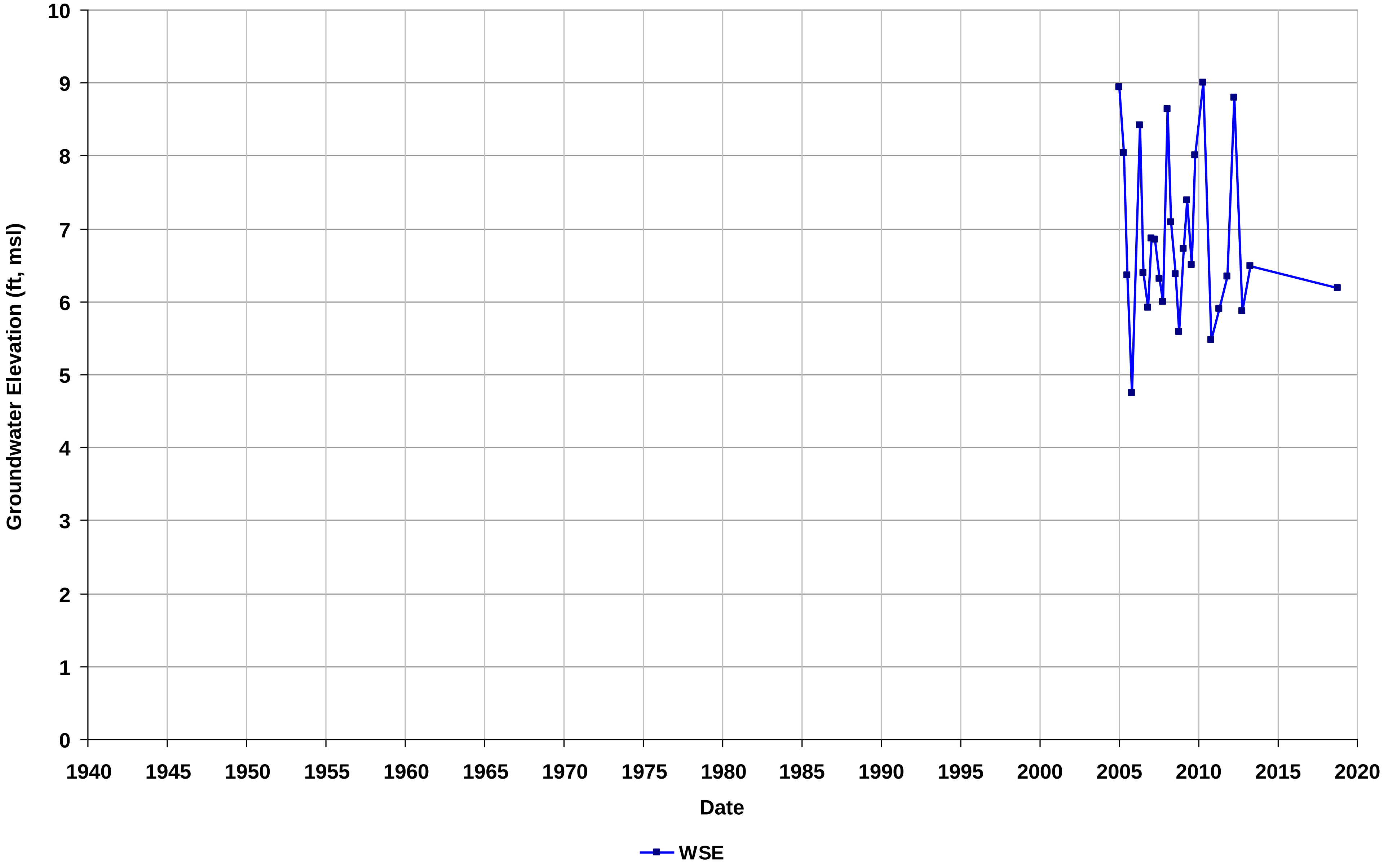
Well Name: SL20225843-W-16
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 17
Perf. Interval (ft bgs): 9.5-14
T/R/S: n/a
Well Use: Observation



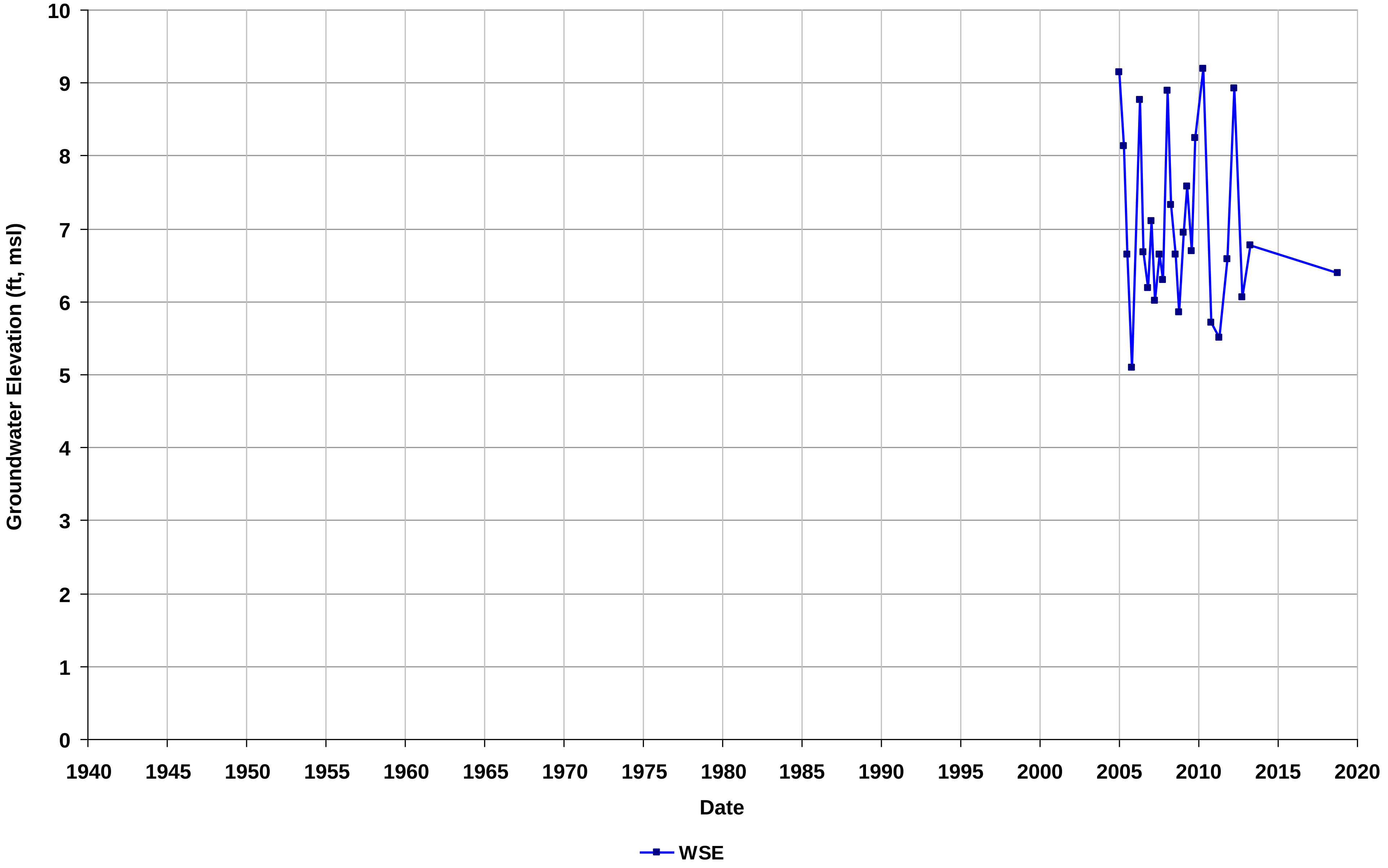
Well Name: SL20225843-W-22
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 22
Perf. Interval (ft bgs): 10-20
T/R/S: n/a
Well Use: Observation



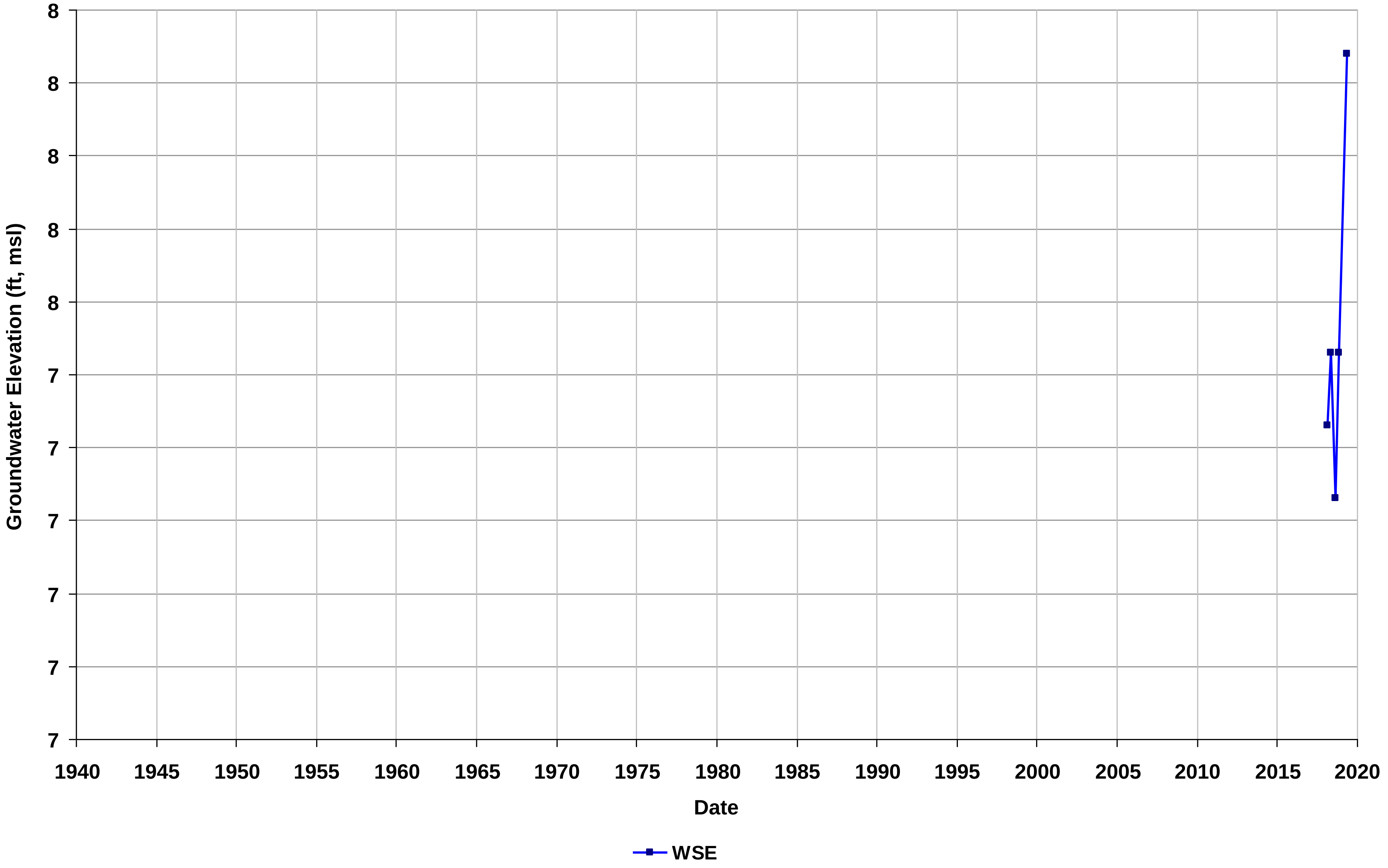
Well Name: SL20225843-W-26
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 5.5-20
T/R/S: n/a
Well Use: Observation



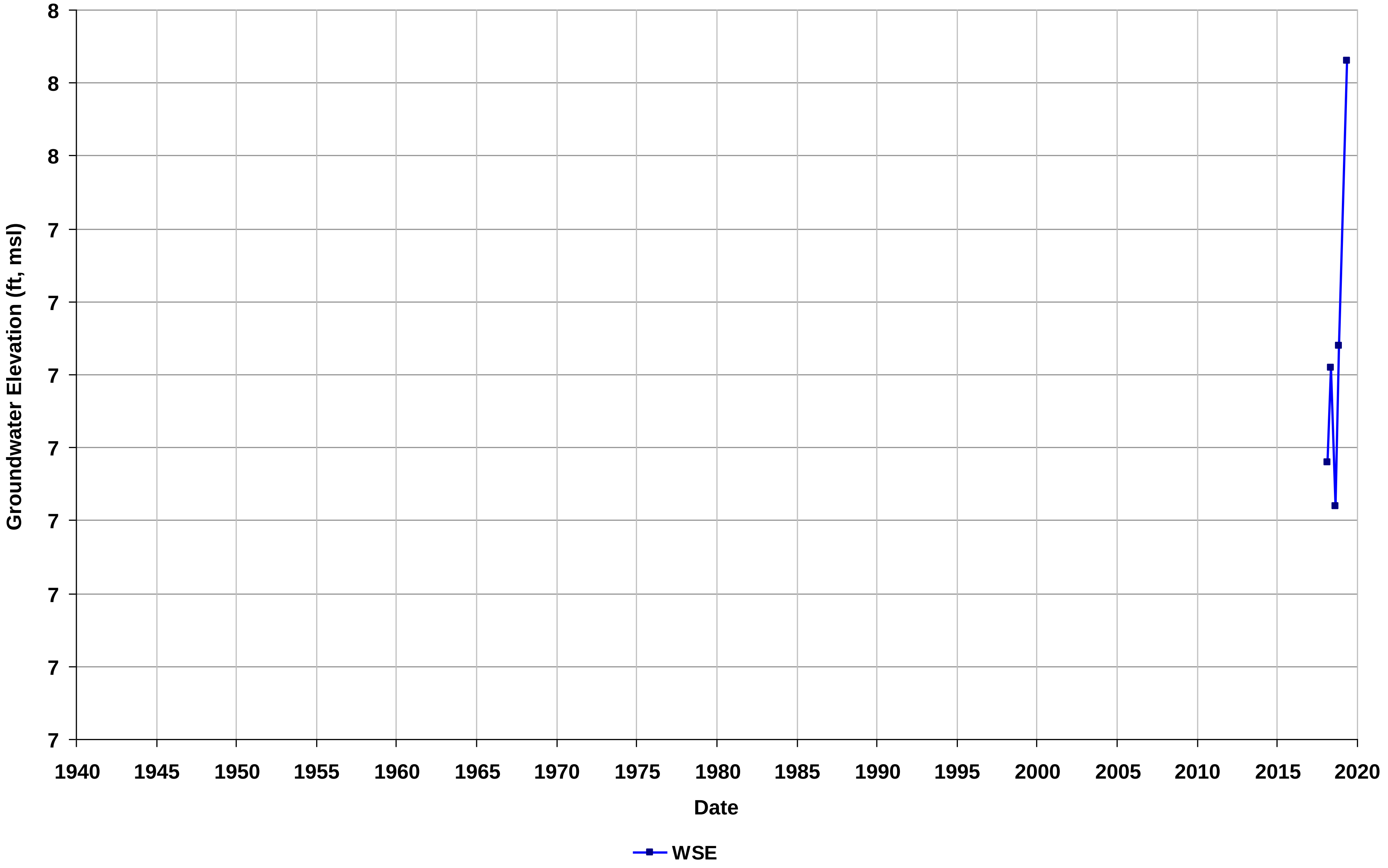
Well Name: SL20226844-NW-1
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 25
Perf. Interval (ft bgs): 10-25
T/R/S: n/a
Well Use: Observation



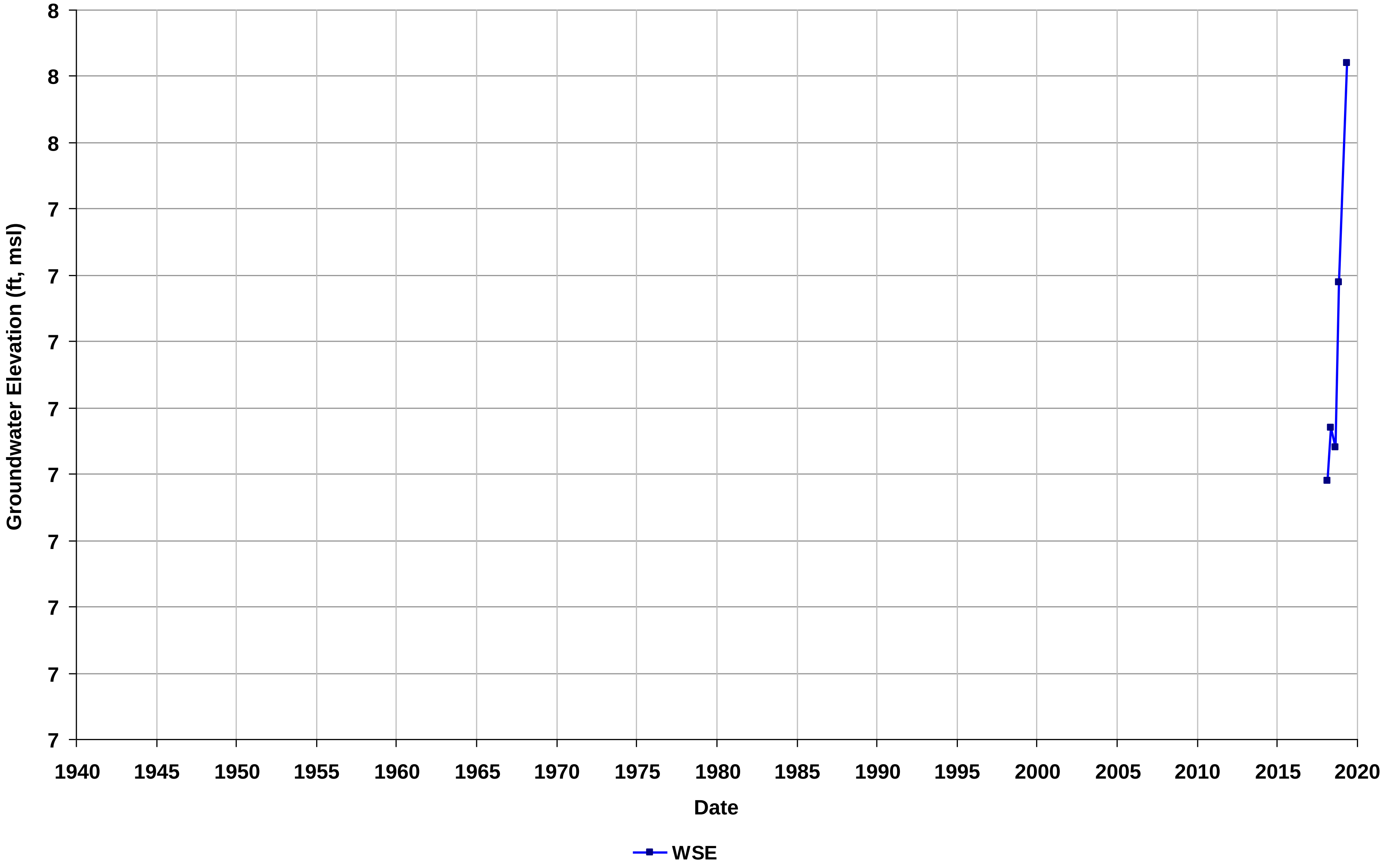
Well Name: SL20226844-NW-2
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 24
Perf. Interval (ft bgs): 10-25
T/R/S: n/a
Well Use: Observation



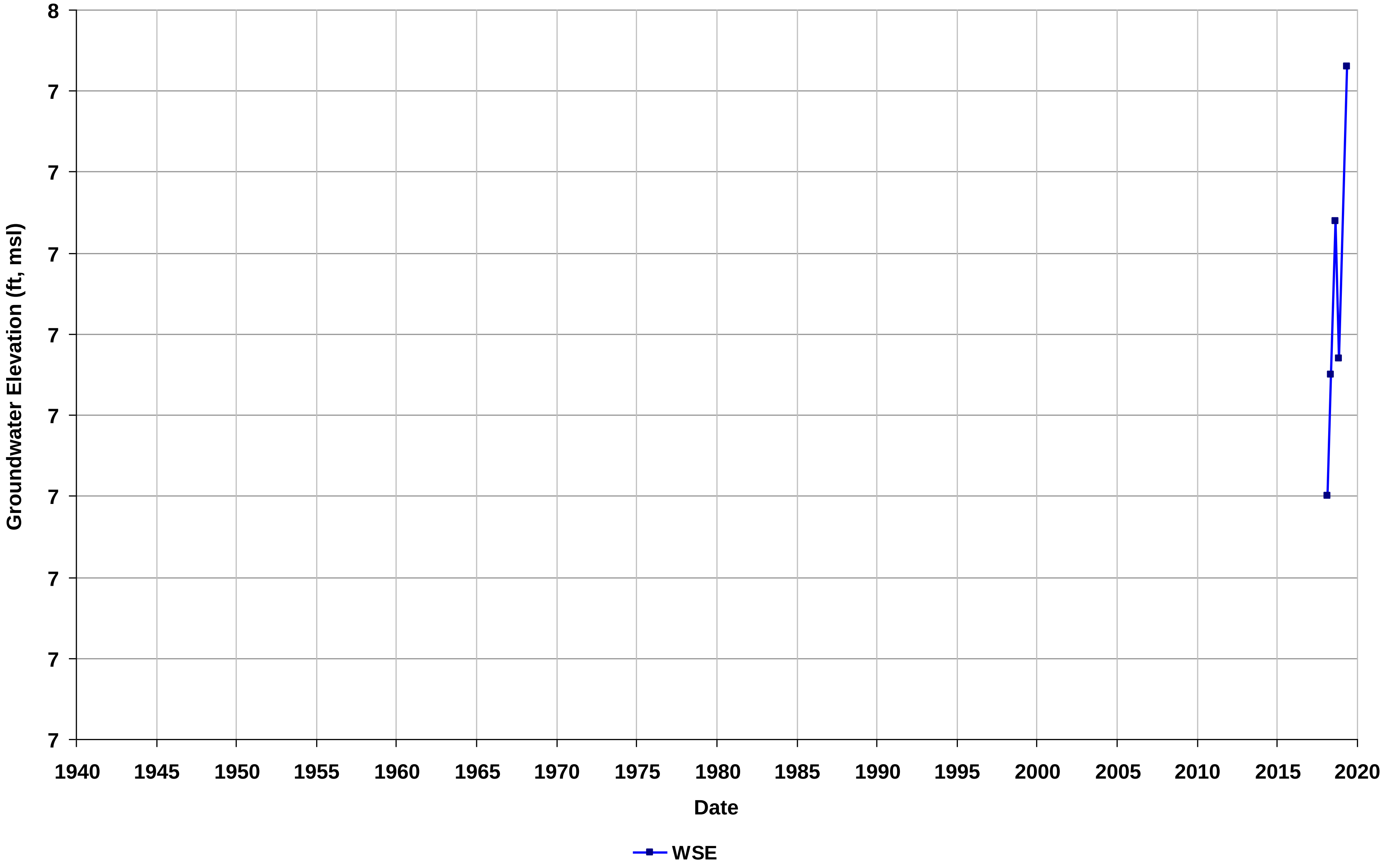
Well Name: SL20226844-NW-3
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 25
Perf. Interval (ft bgs): 10-25
T/R/S: n/a
Well Use: Observation



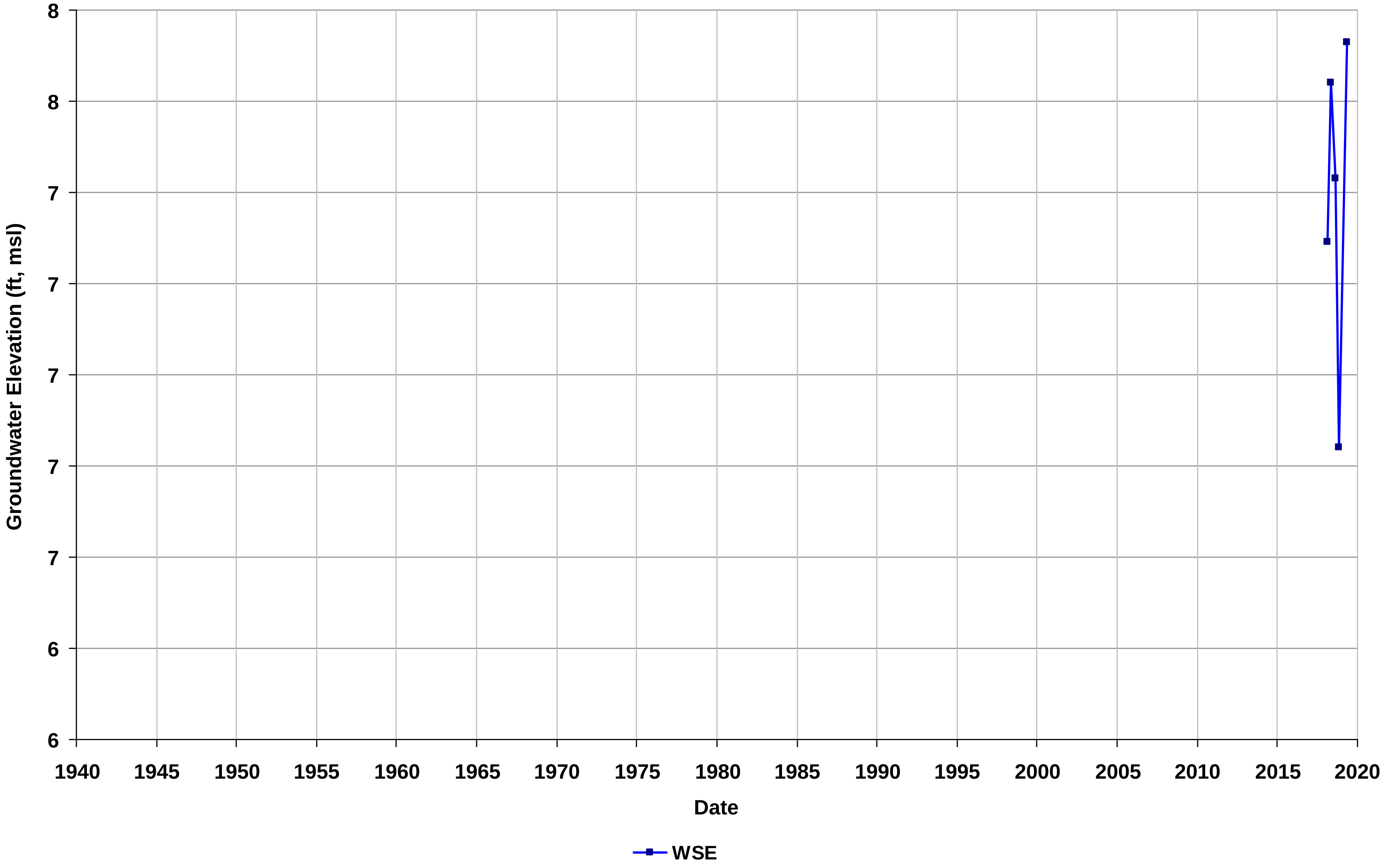
Well Name: SL20226844-NW-4
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 25
Perf. Interval (ft bgs): 10-25
T/R/S: n/a
Well Use: Observation



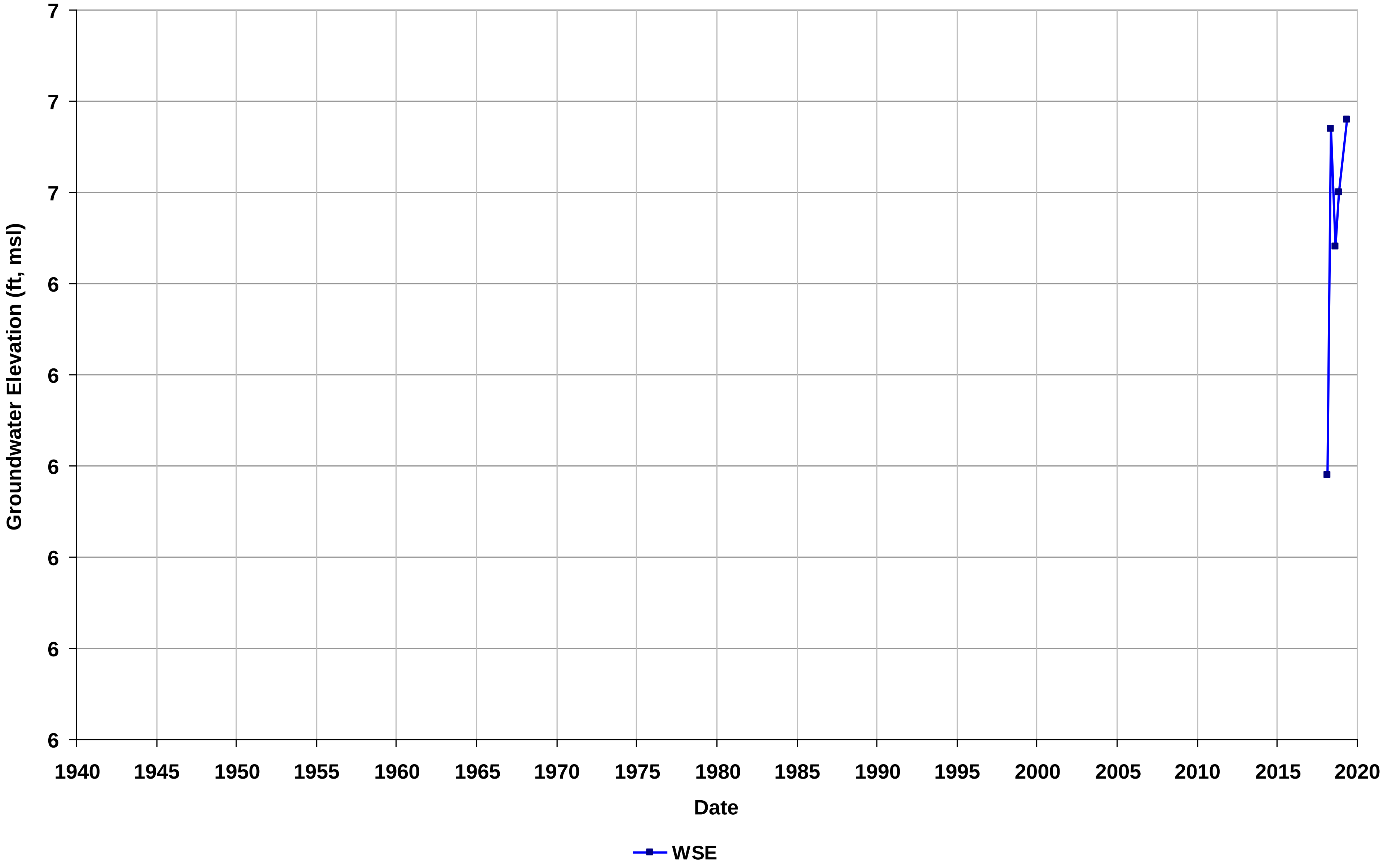
Well Name: SL20226844-NW-5
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 25
Perf. Interval (ft bgs): 10-25
T/R/S: n/a
Well Use: Observation



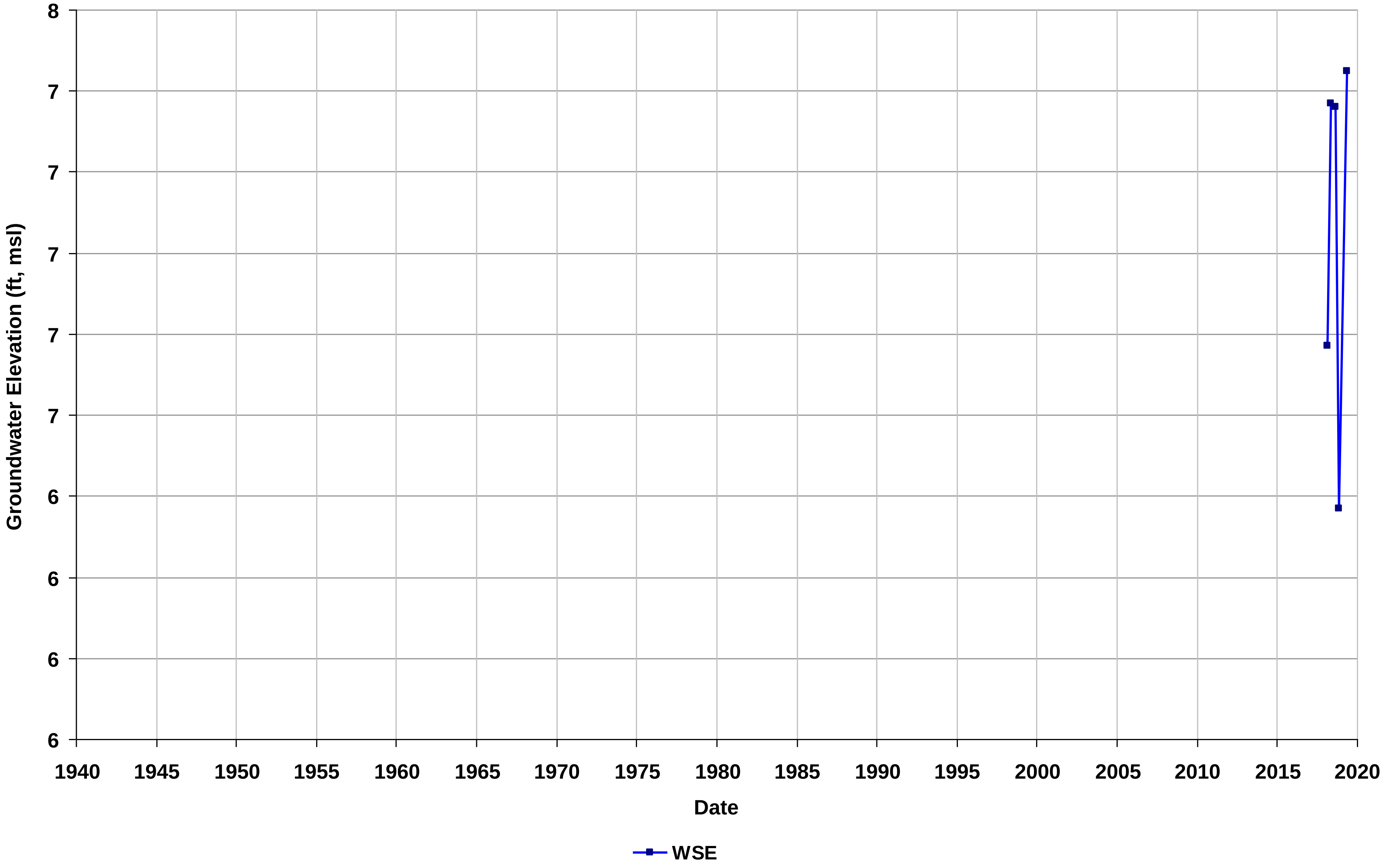
Well Name: SL20226844-NW-6
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 22
Perf. Interval (ft bgs): 10-25
T/R/S: n/a
Well Use: Observation



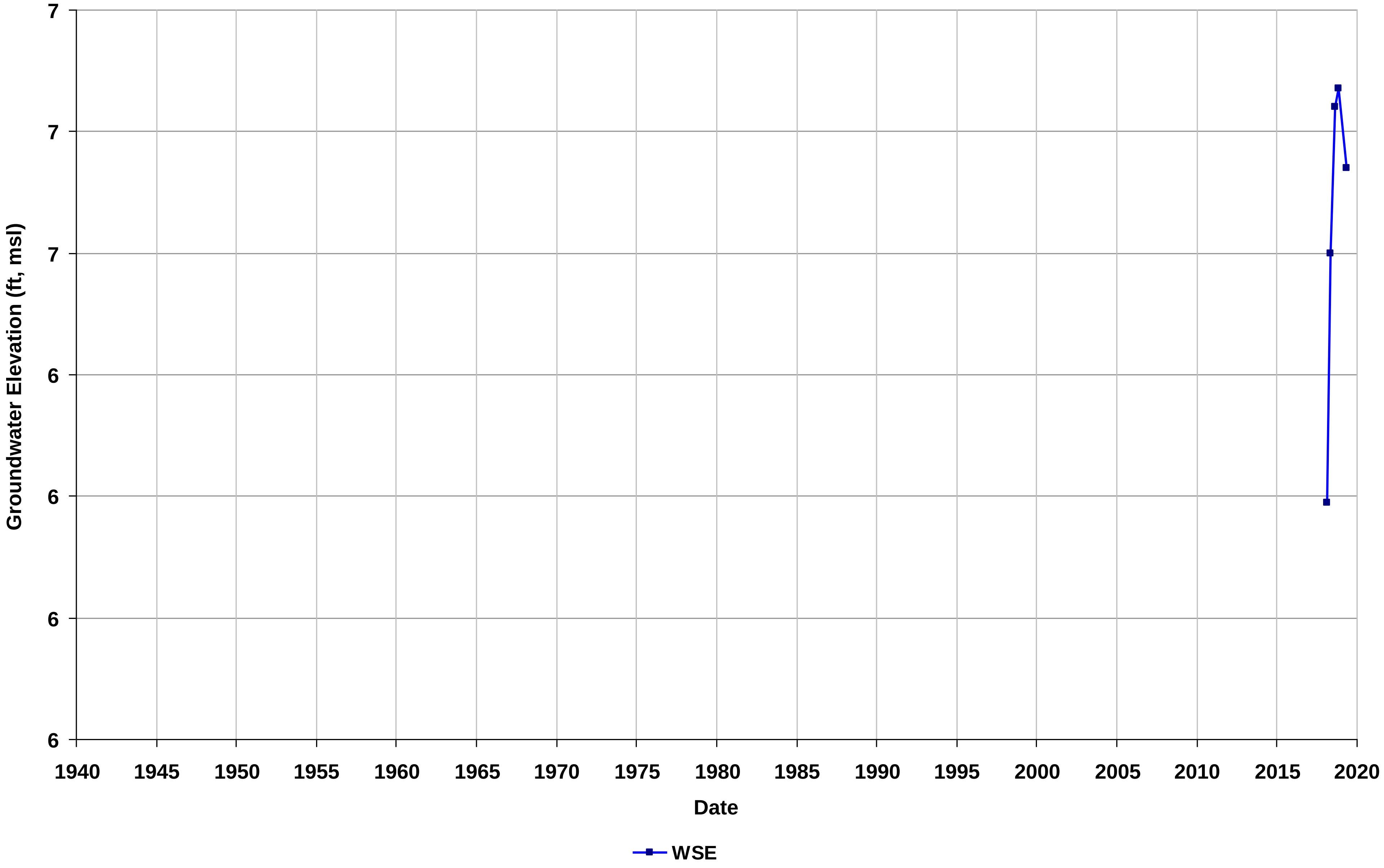
Well Name: SL20226844-NW-7
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 25
Perf. Interval (ft bgs): 10-25
T/R/S: n/a
Well Use: Observation



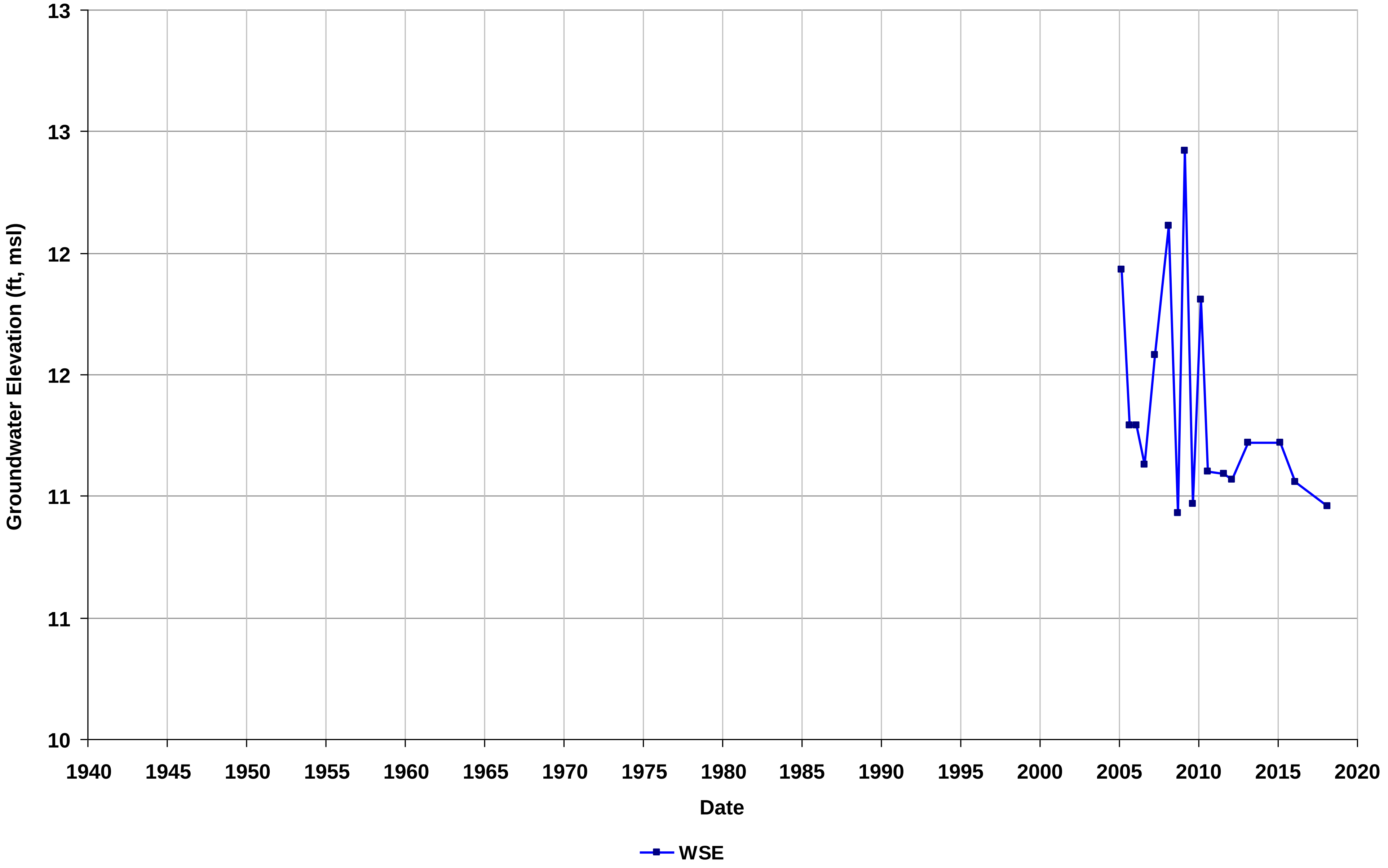
Well Name: SL20226844-NW-8
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 24
Perf. Interval (ft bgs): 10-25
T/R/S: n/a
Well Use: Observation



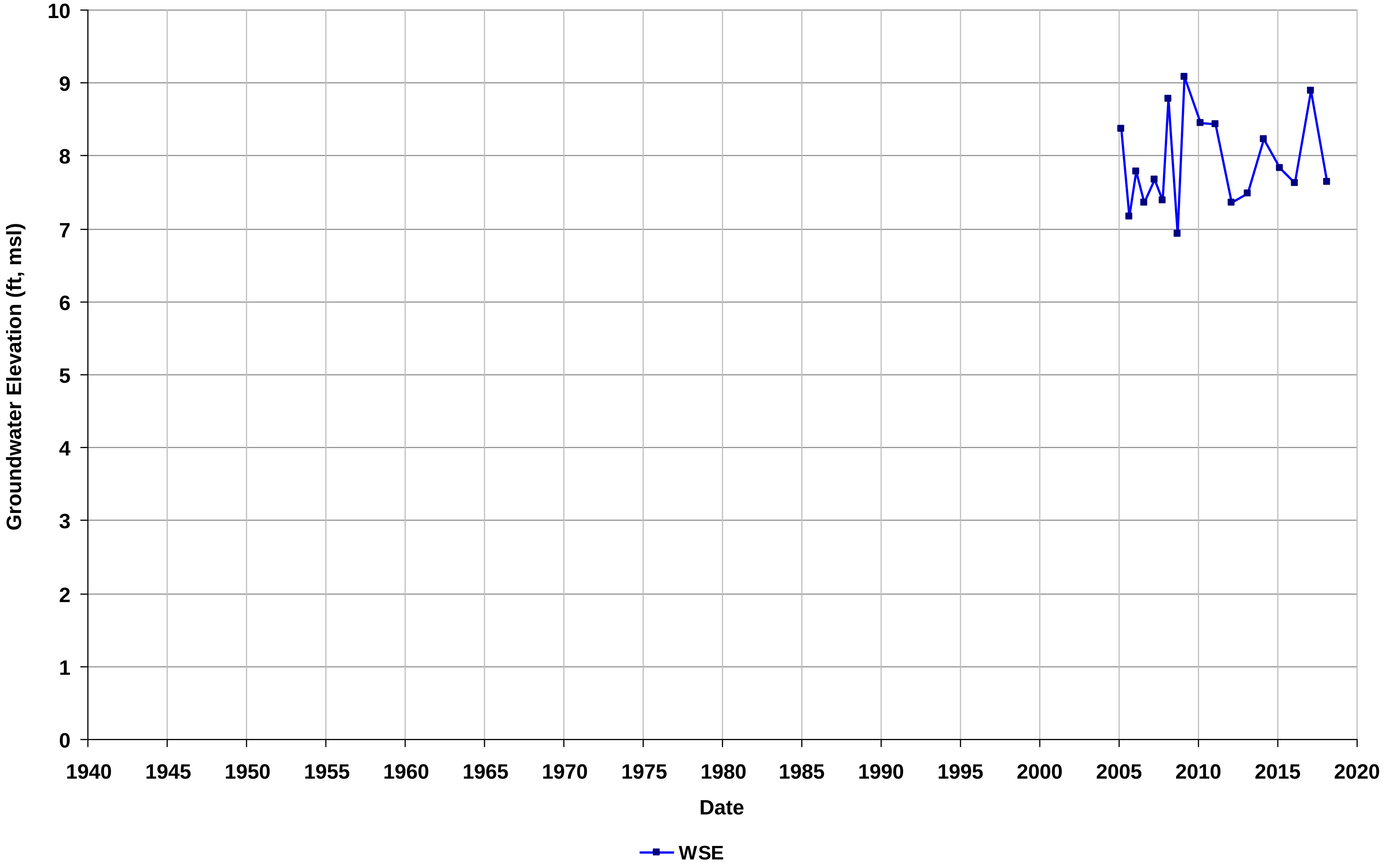
Well Name: SL20228846-MW-10
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 18
Perf. Interval (ft bgs): 5-18
T/R/S: 01S/04W/04
Well Use: Observation



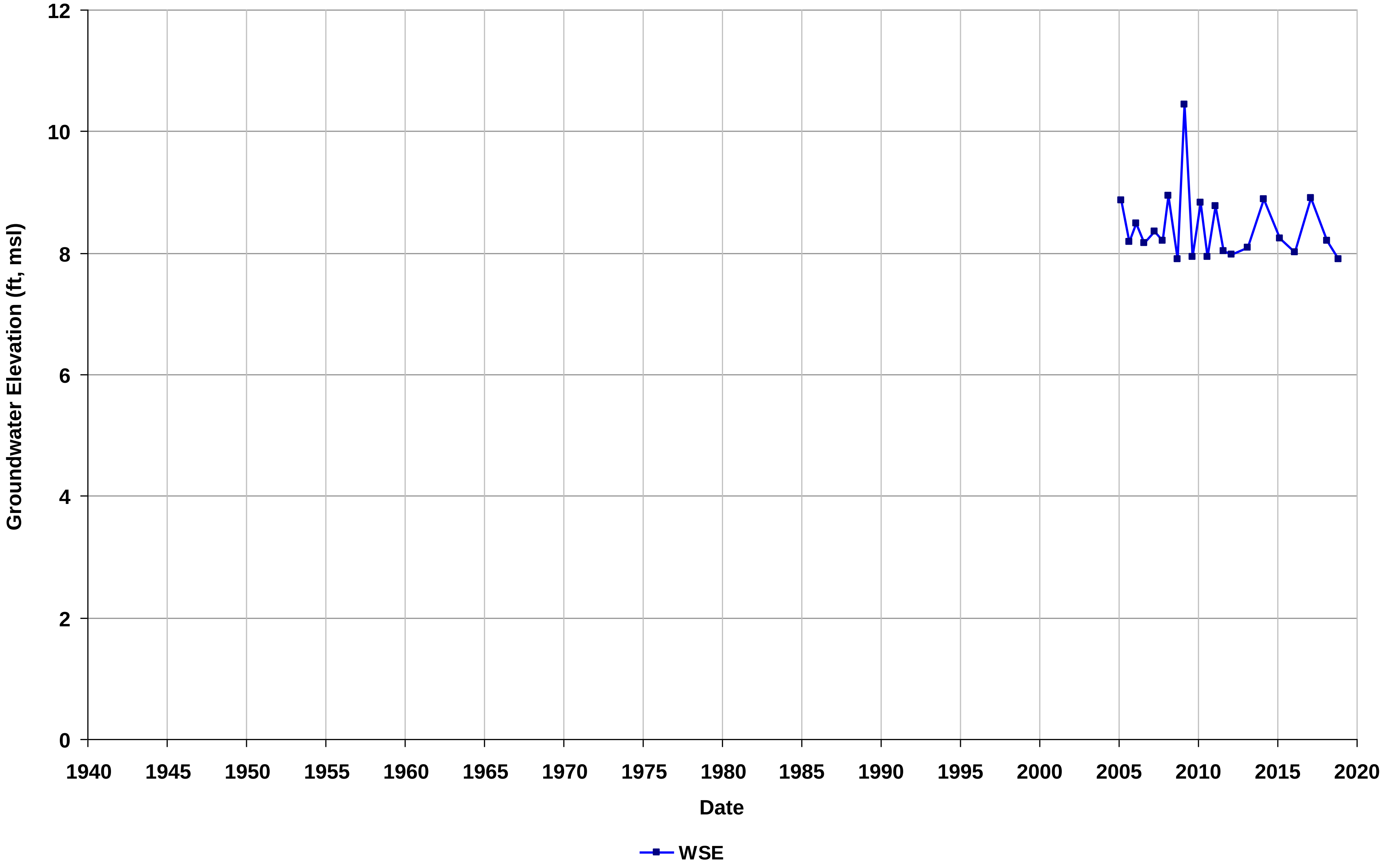
Well Name: SL20228846-MW-11
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 5-20
T/R/S: 01S/04W/04
Well Use: Observation



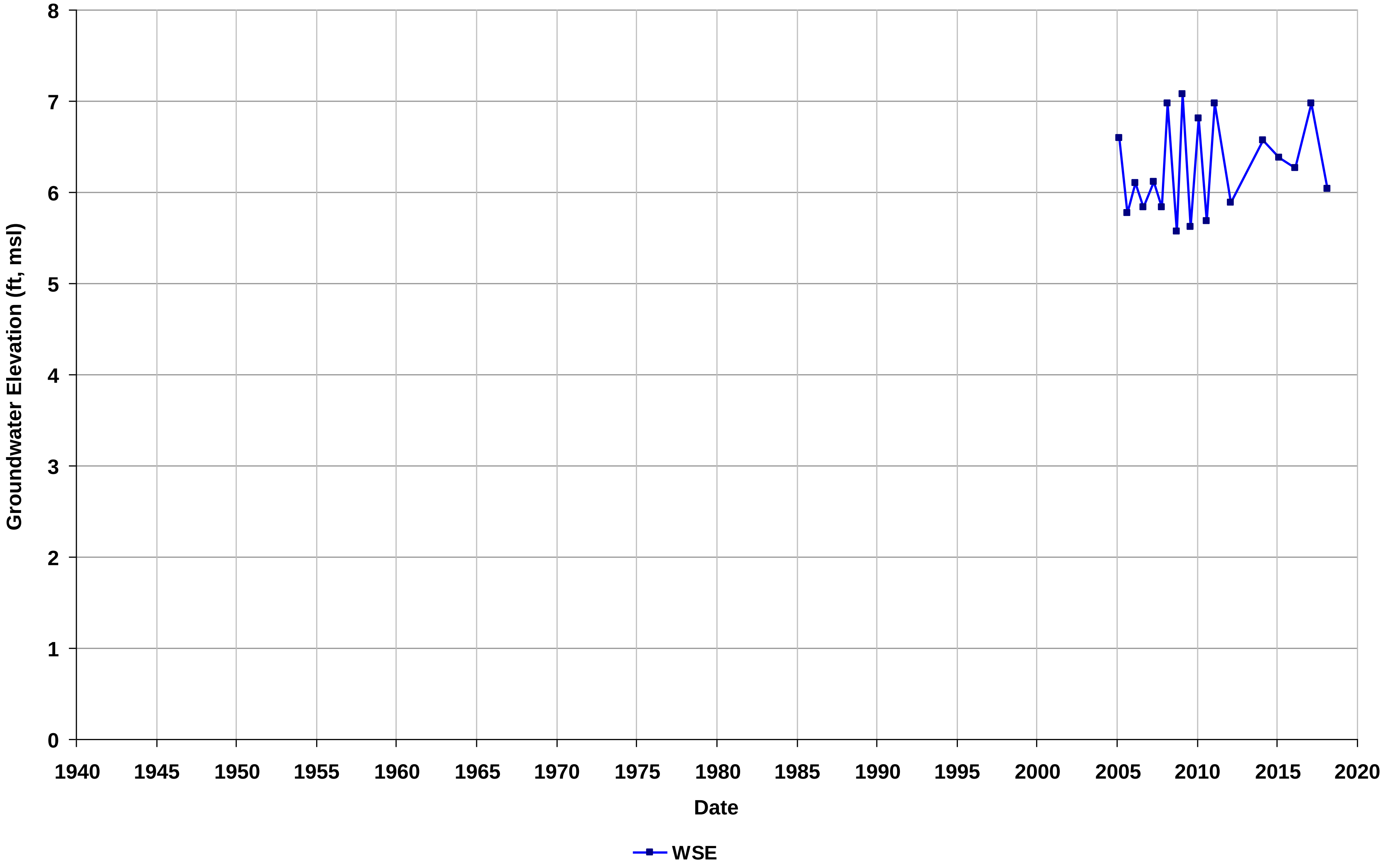
Well Name: SL20228846-MW-12
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 19
Perf. Interval (ft bgs): 5-19
T/R/S: 01S/04W/04
Well Use: Observation



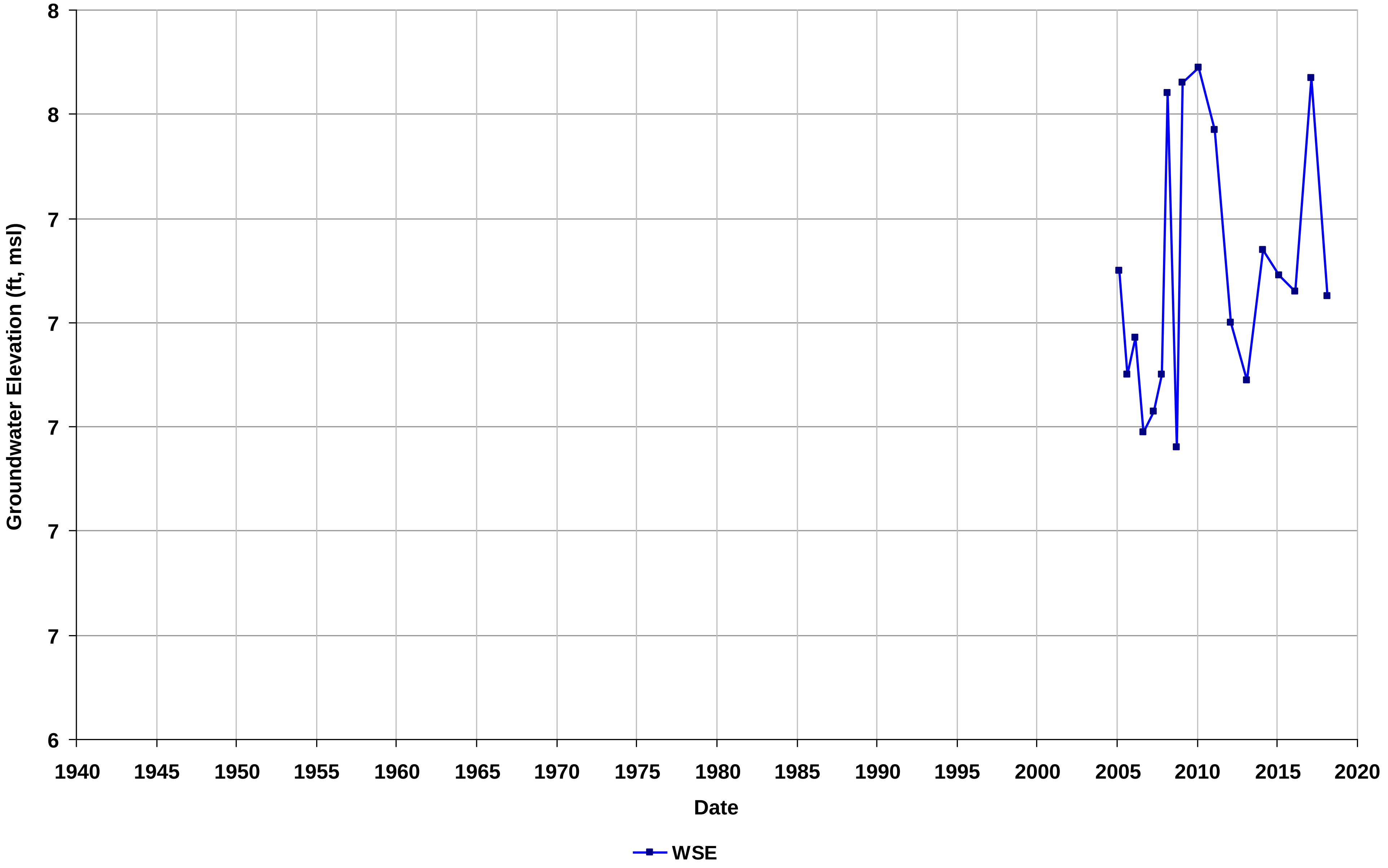
Well Name: SL20228846-MW-14
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 10-20
T/R/S: 01S/04W/04
Well Use: Observation



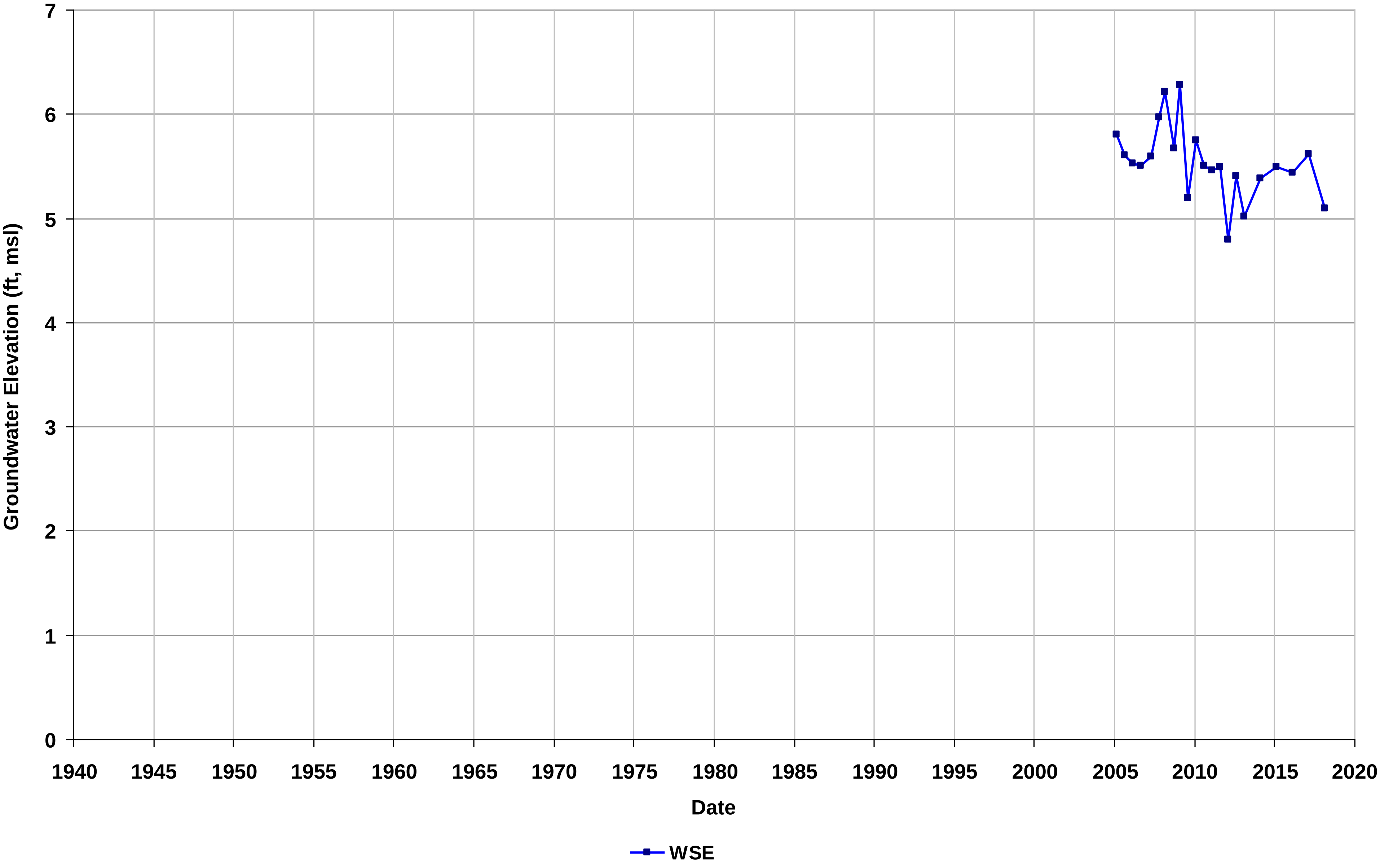
Well Name: SL20228846-MW-15
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 10-30
T/R/S: 01S/04W/04
Well Use: Observation



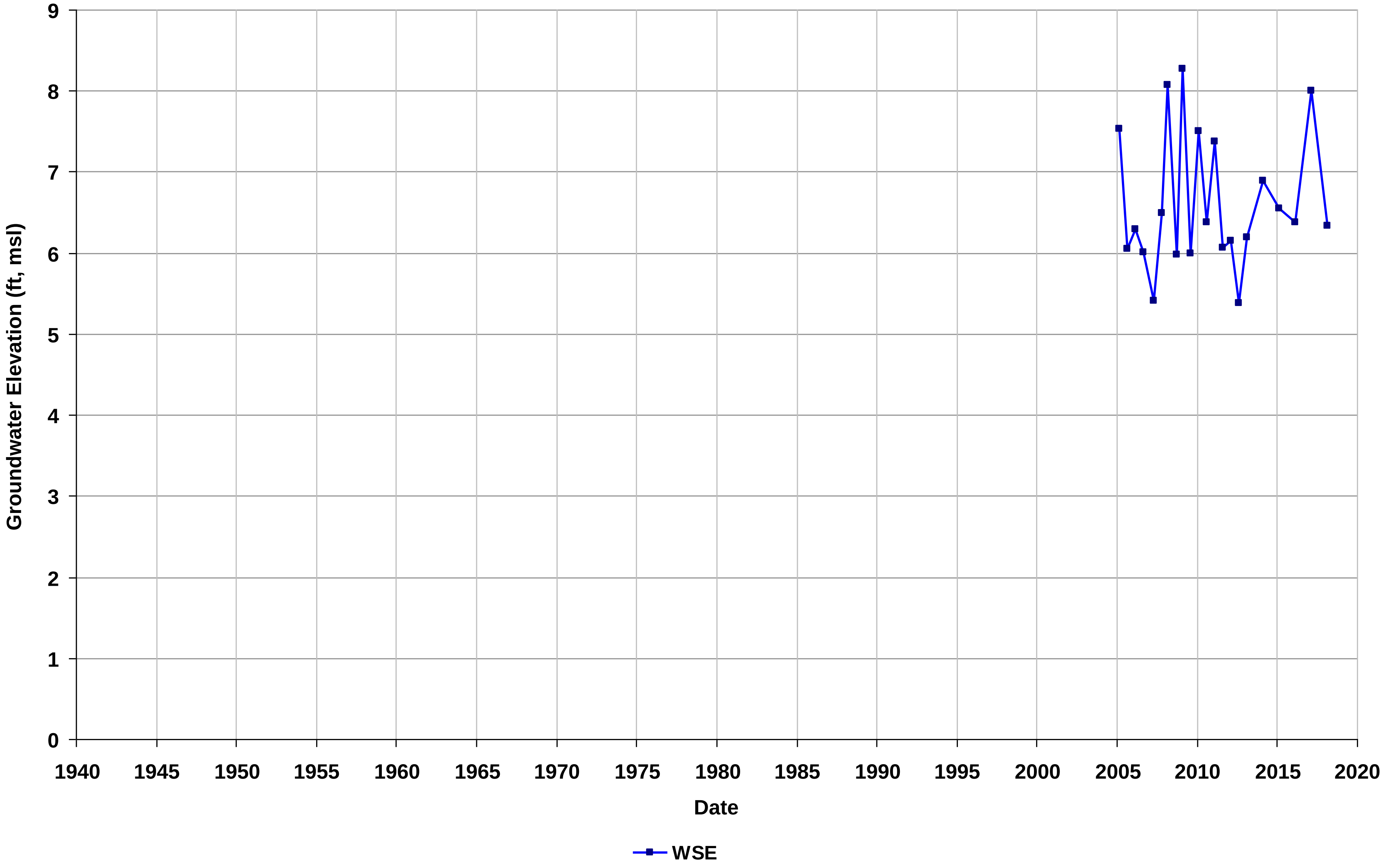
Well Name: SL20228846-MW-16
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 21
Perf. Interval (ft bgs): 10-30
T/R/S: 01S/04W/04
Well Use: Observation



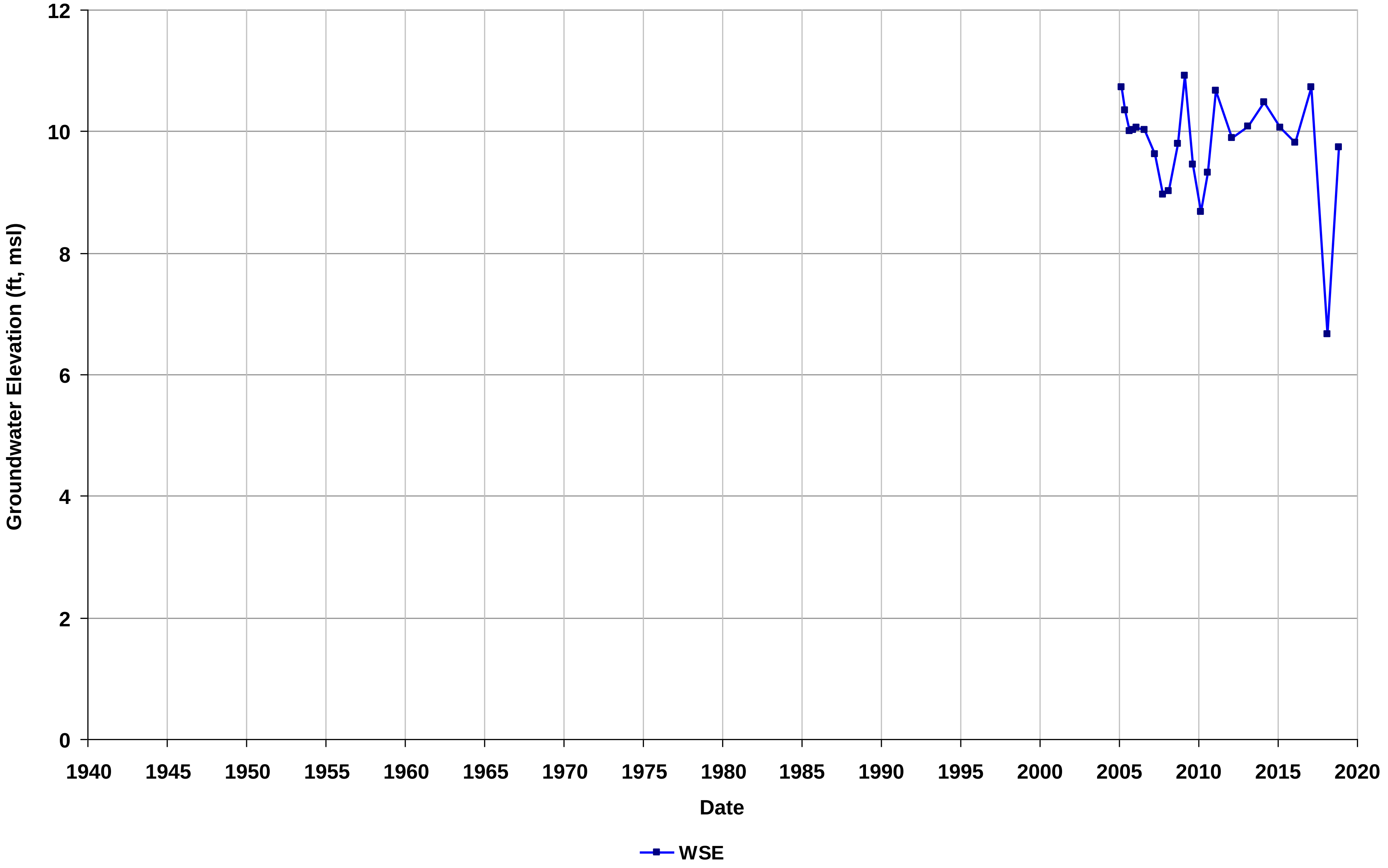
Well Name: SL20228846-MW-17
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 10-30
T/R/S: 01S/04W/04
Well Use: Observation



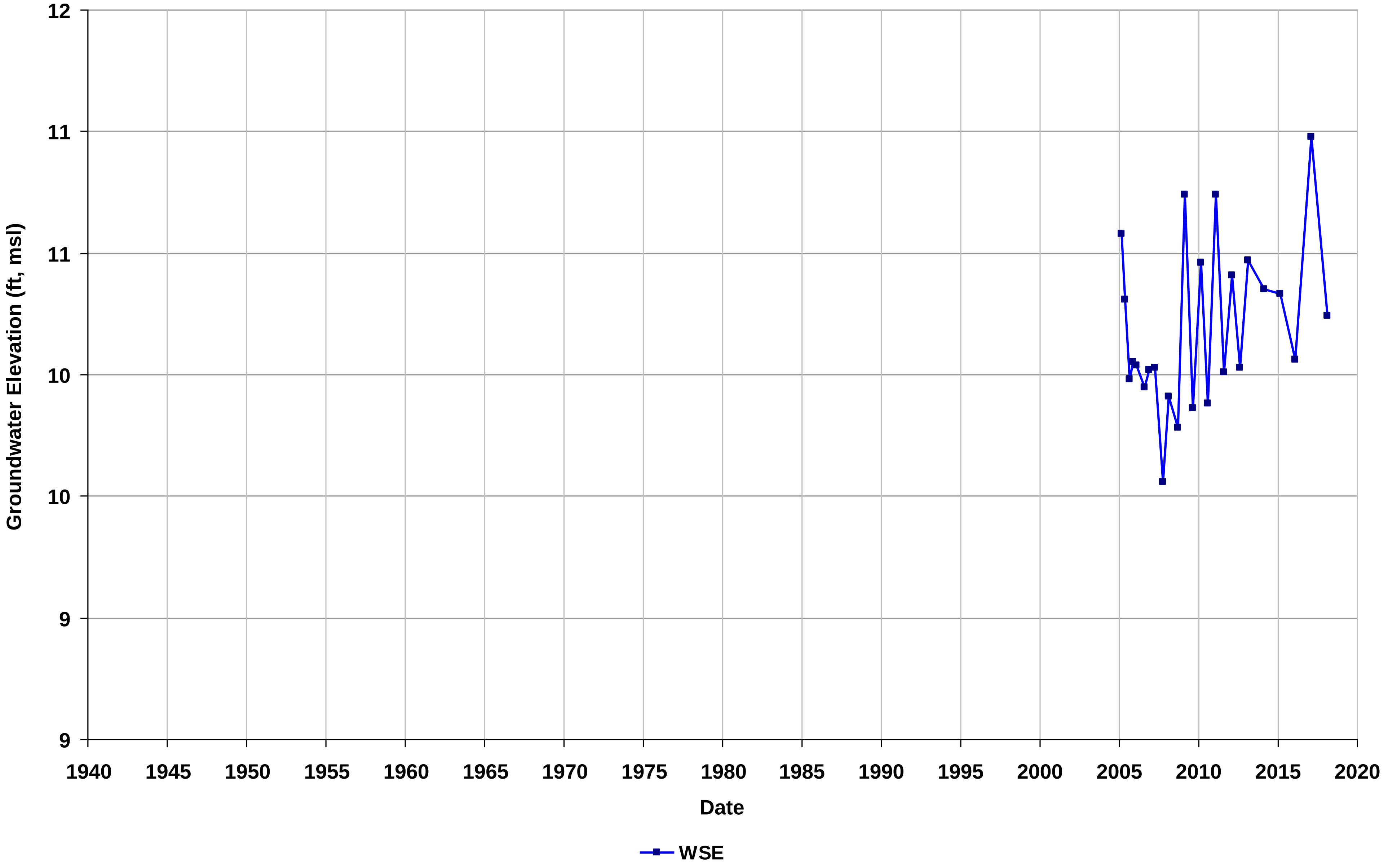
Well Name: SL20228846-MW-18
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 10-30
T/R/S: 01S/04W/04
Well Use: Observation



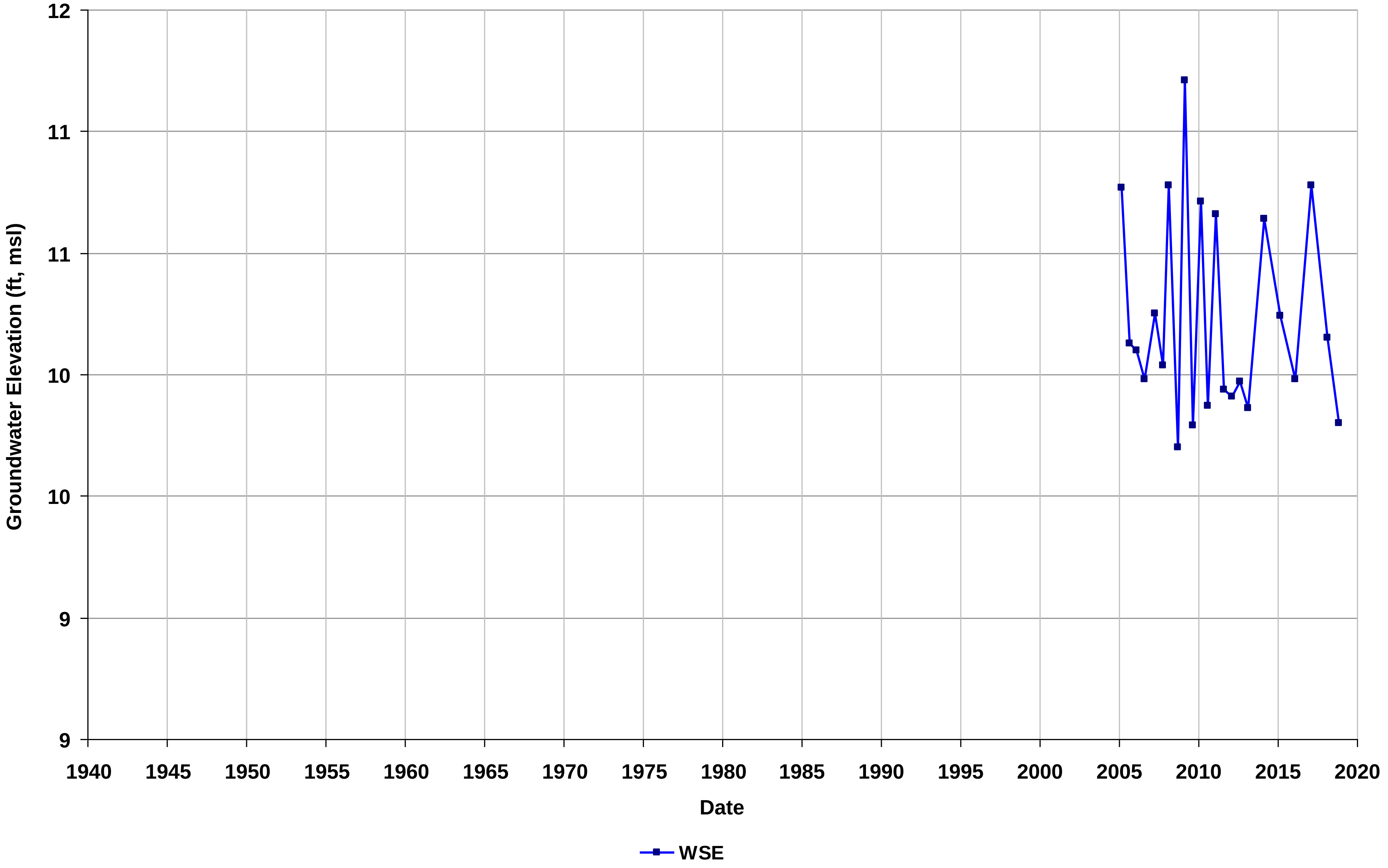
Well Name: SL20228846-MW-19
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 10-30
T/R/S: 01S/04W/04
Well Use: Observation



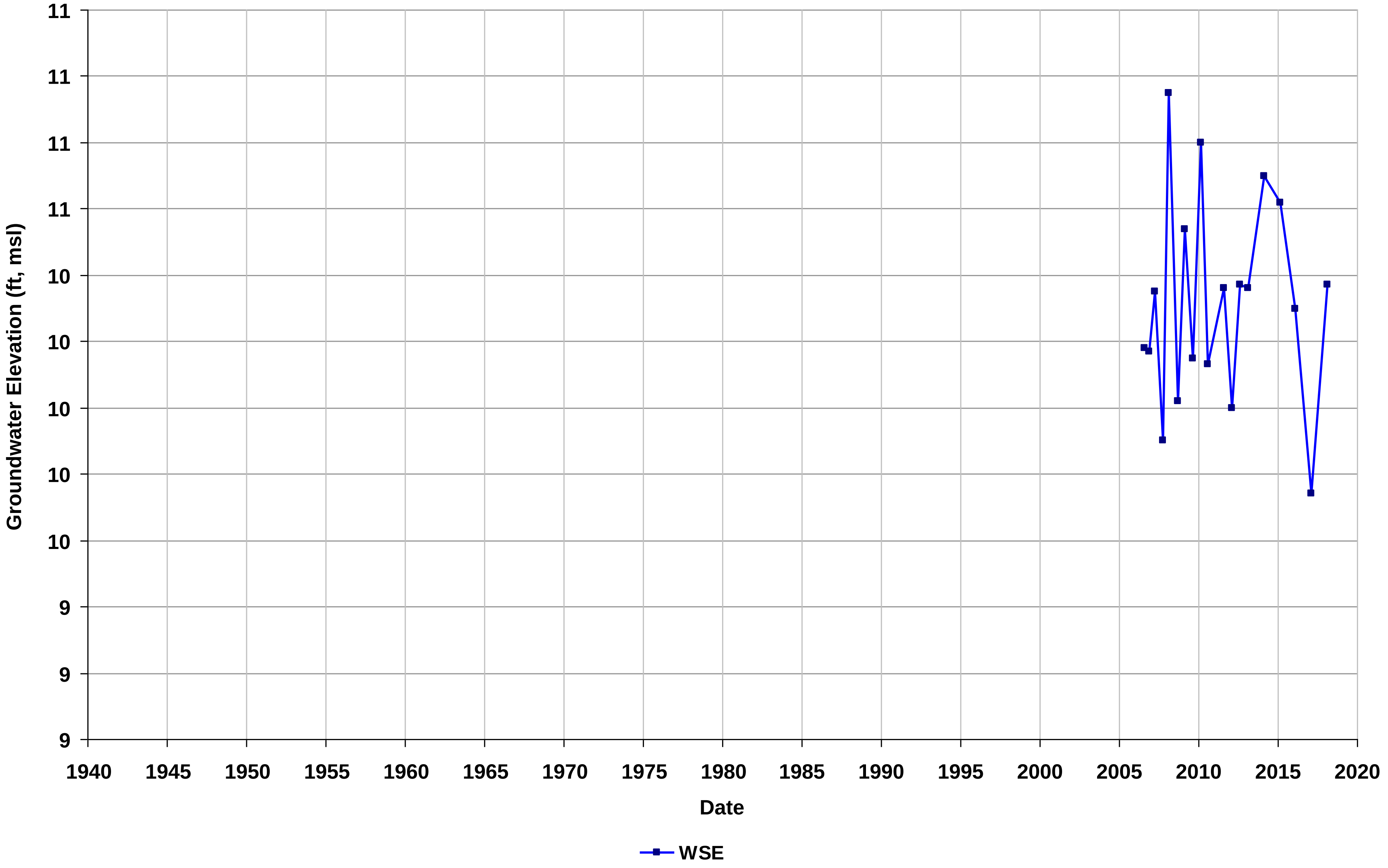
Well Name: SL20228846-MW-20
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 10-30
T/R/S: 01S/04W/04
Well Use: Observation



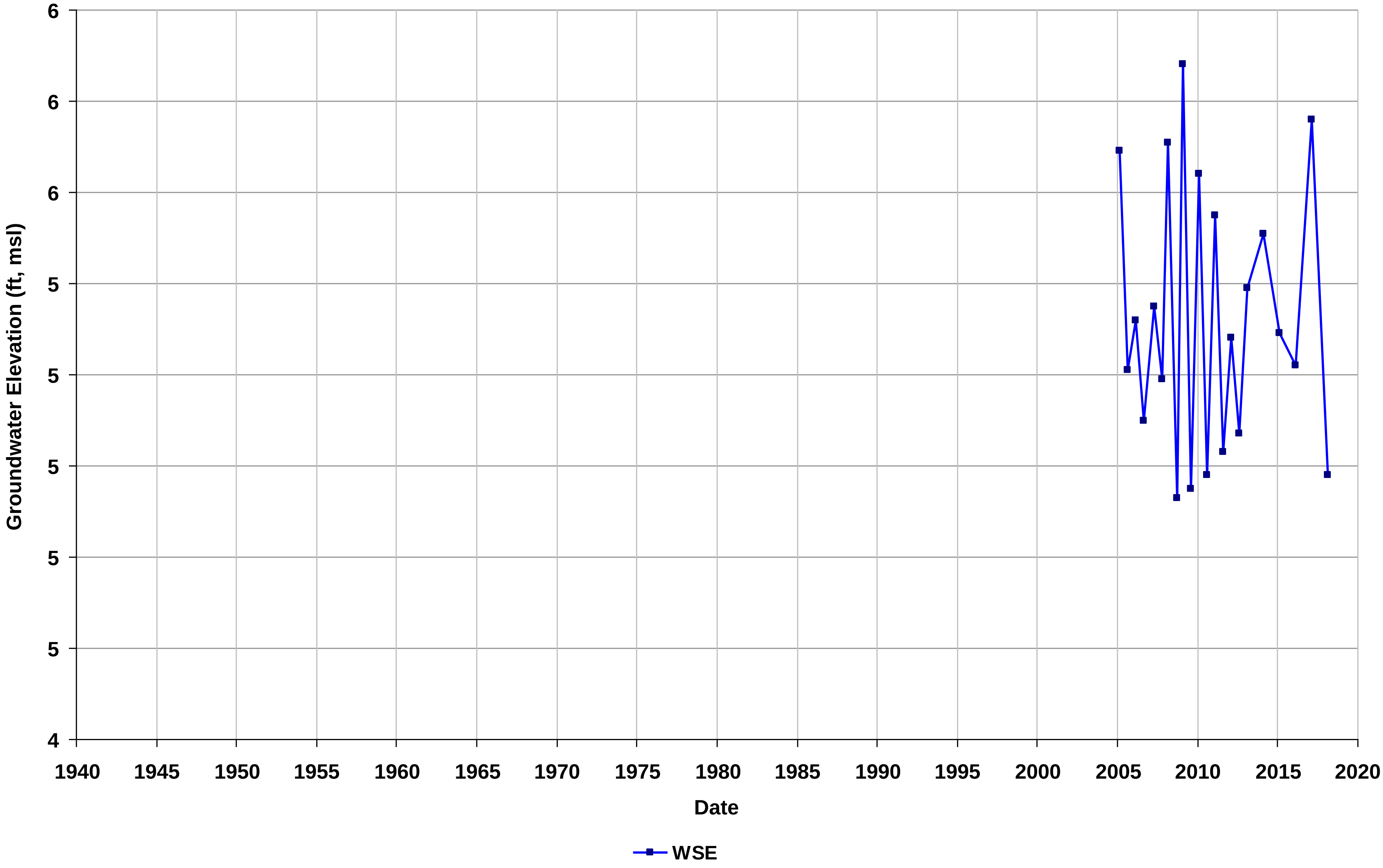
Well Name: SL20228846-MW-22
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 10-20
T/R/S: 01S/04W/04
Well Use: Observation



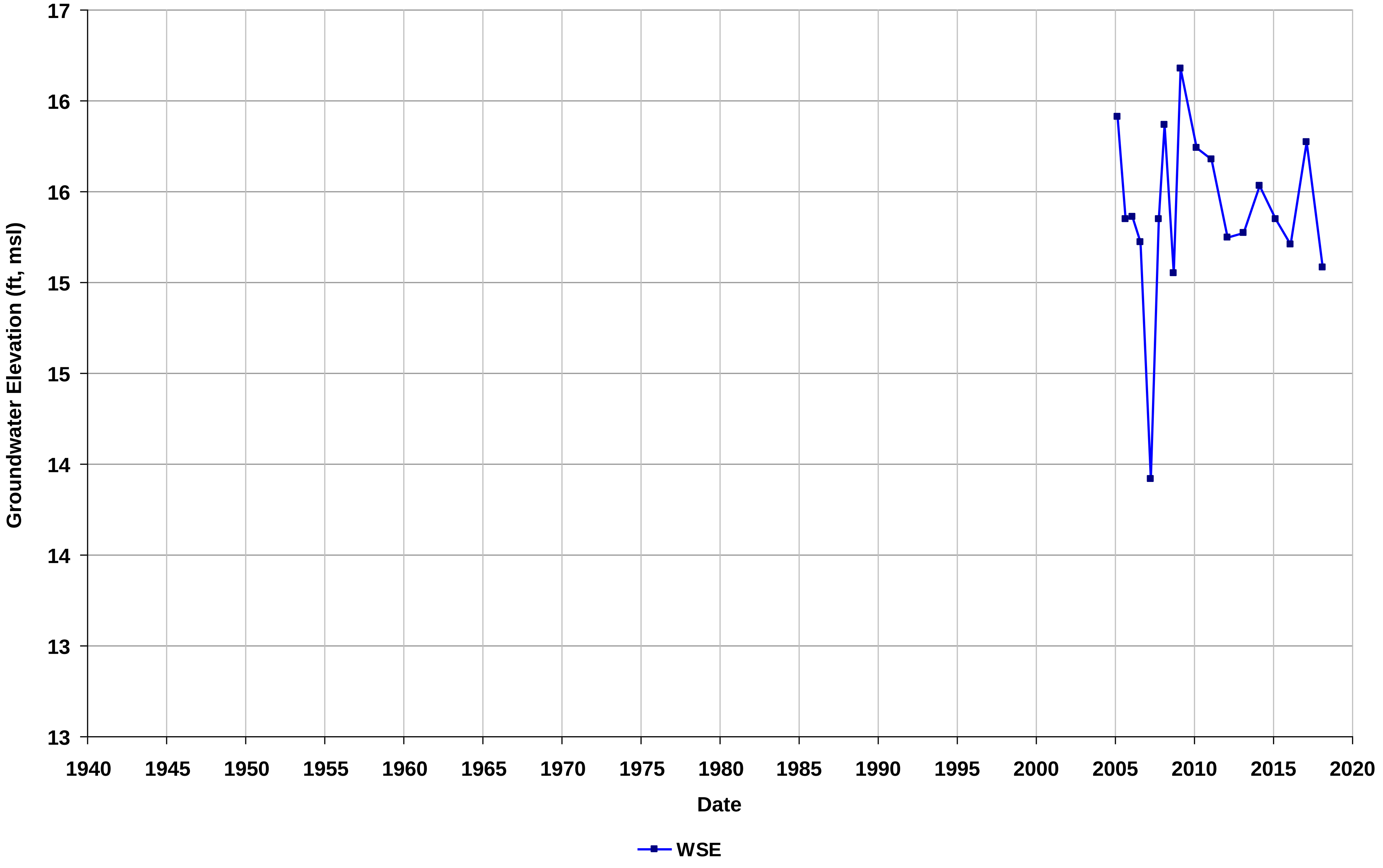
Well Name: SL20228846-MW-3
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 5-20
T/R/S: 01S/04W/04
Well Use: Observation



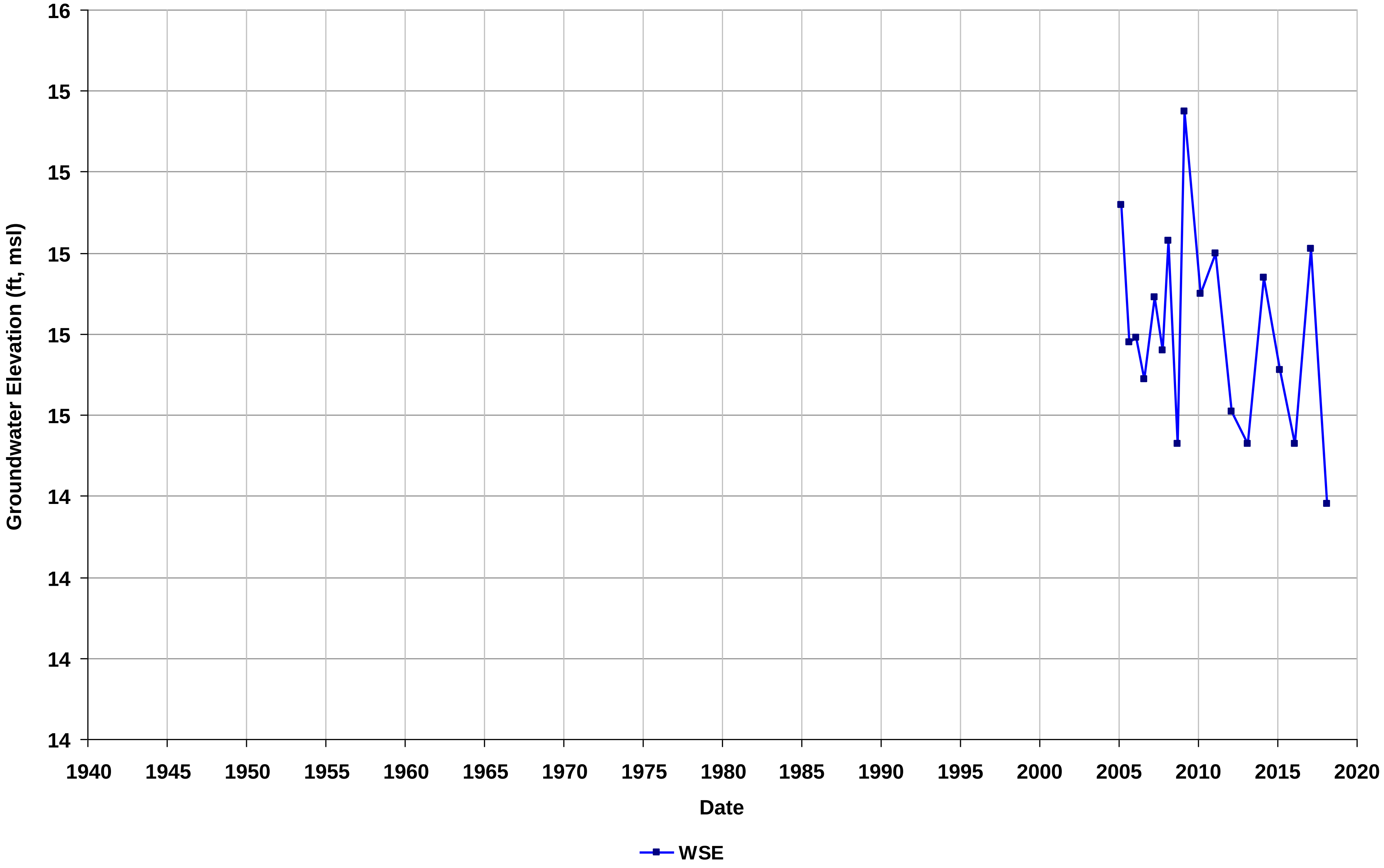
Well Name: SL20228846-MW-6
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 5-20
T/R/S: 01S/04W/04
Well Use: Observation



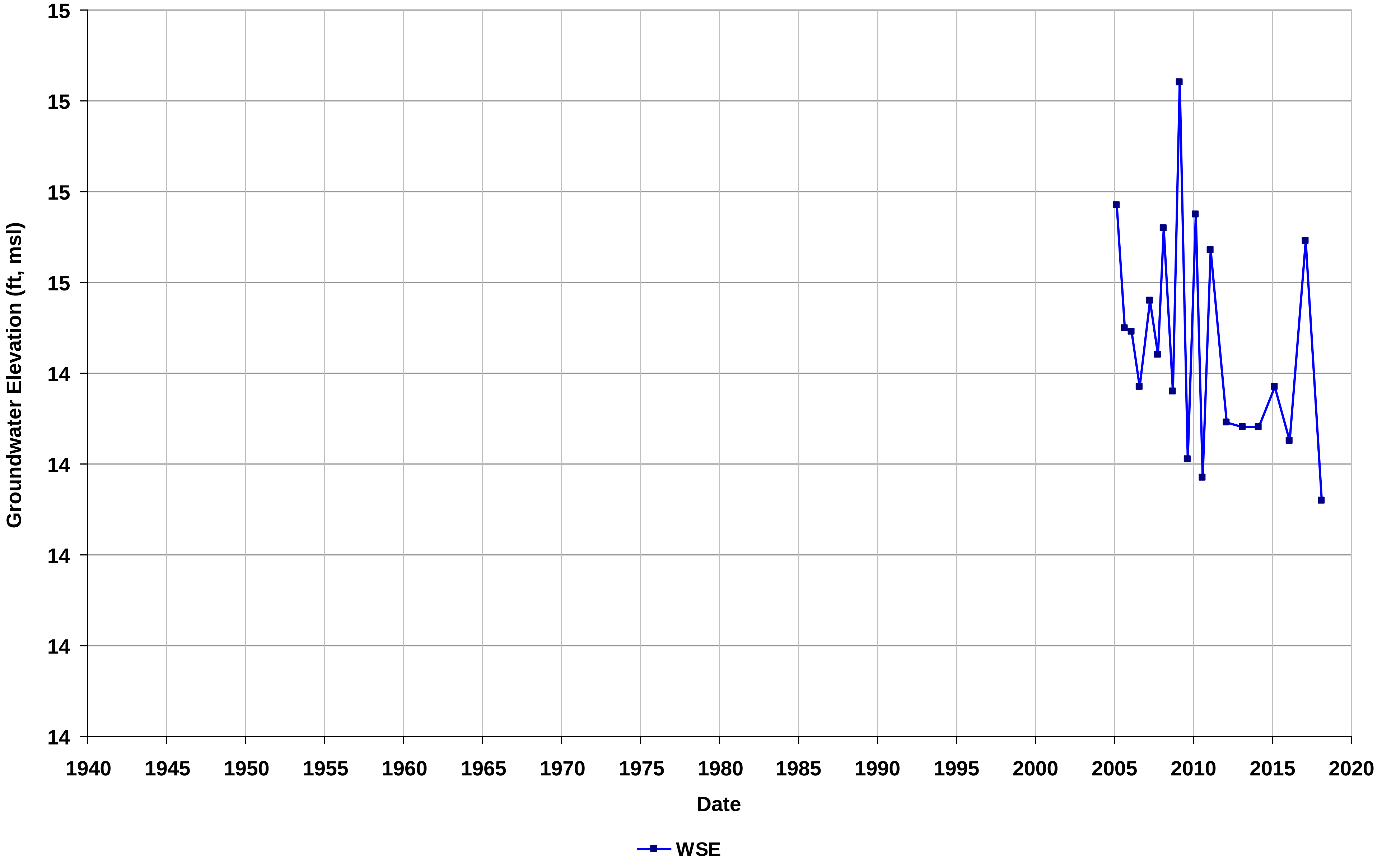
Well Name: SL20228846-MW-7
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 5-20
T/R/S: 01S/04W/04
Well Use: Observation



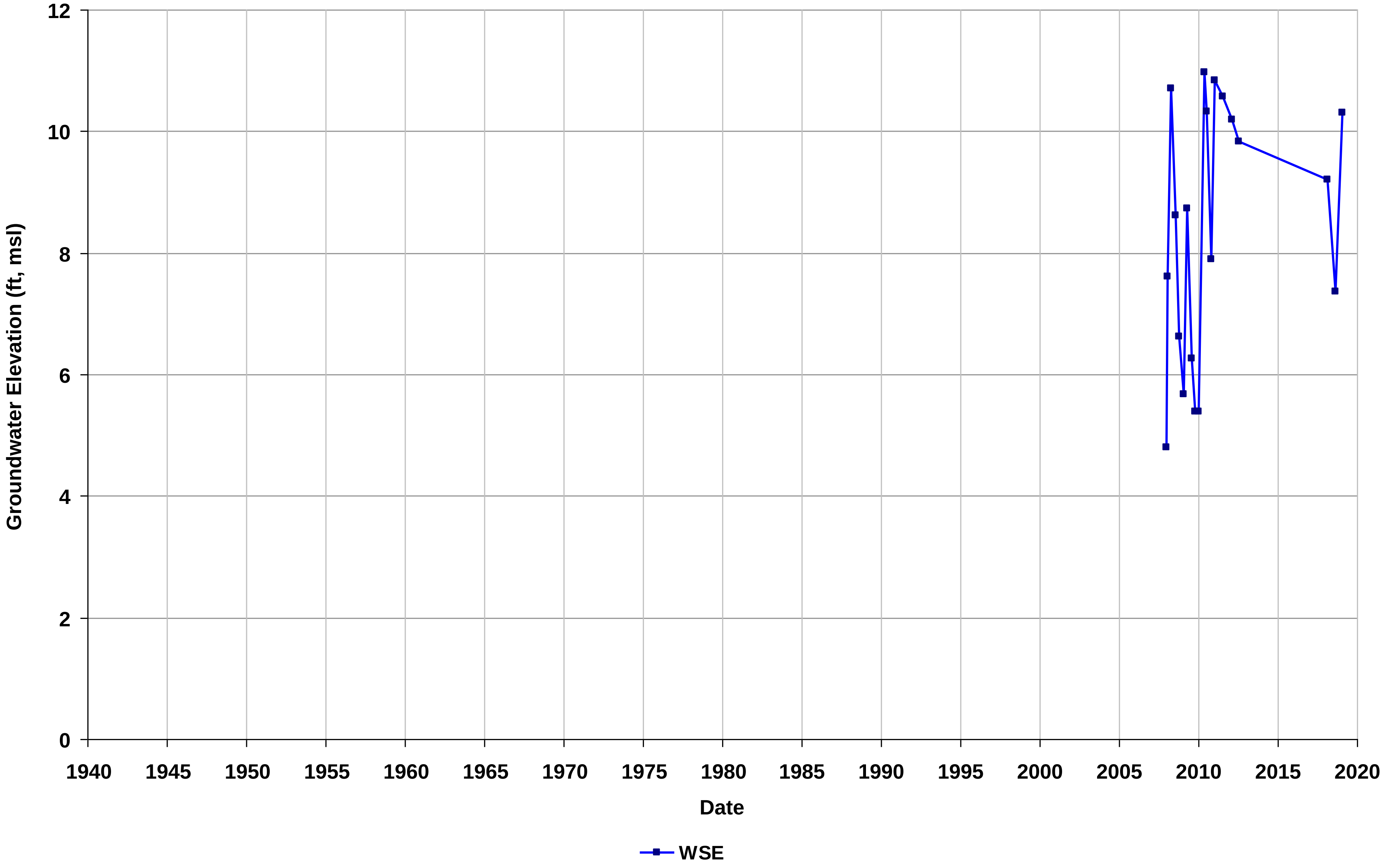
Well Name: SL20228846-MW-8
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 15
Perf. Interval (ft bgs): 5-15
T/R/S: 01S/04W/04
Well Use: Observation



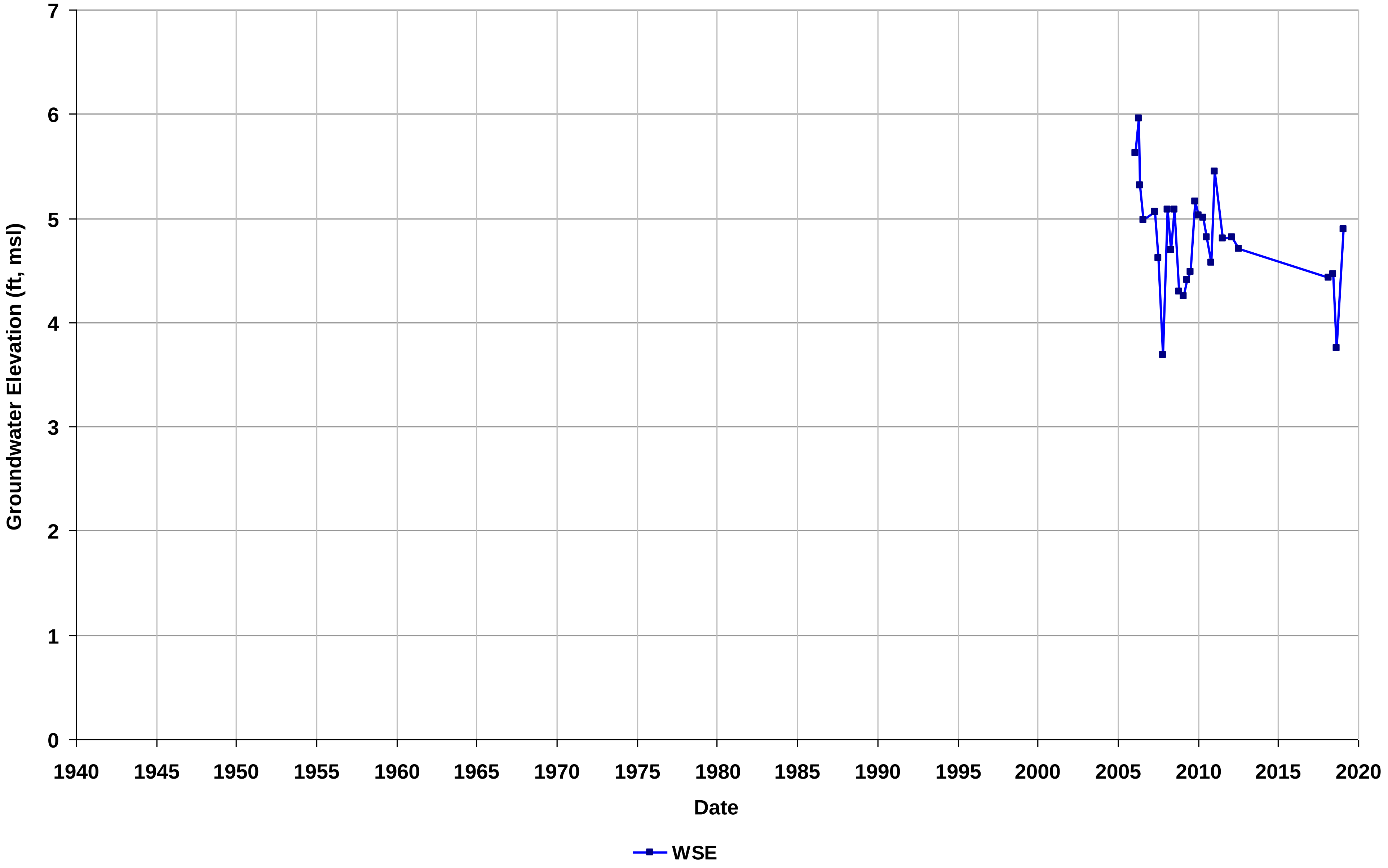
Well Name: SL20244862-AMW-13AR
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 10
Perf. Interval (ft bgs): 10-18
T/R/S: 02S/03W/08
Well Use: Observation



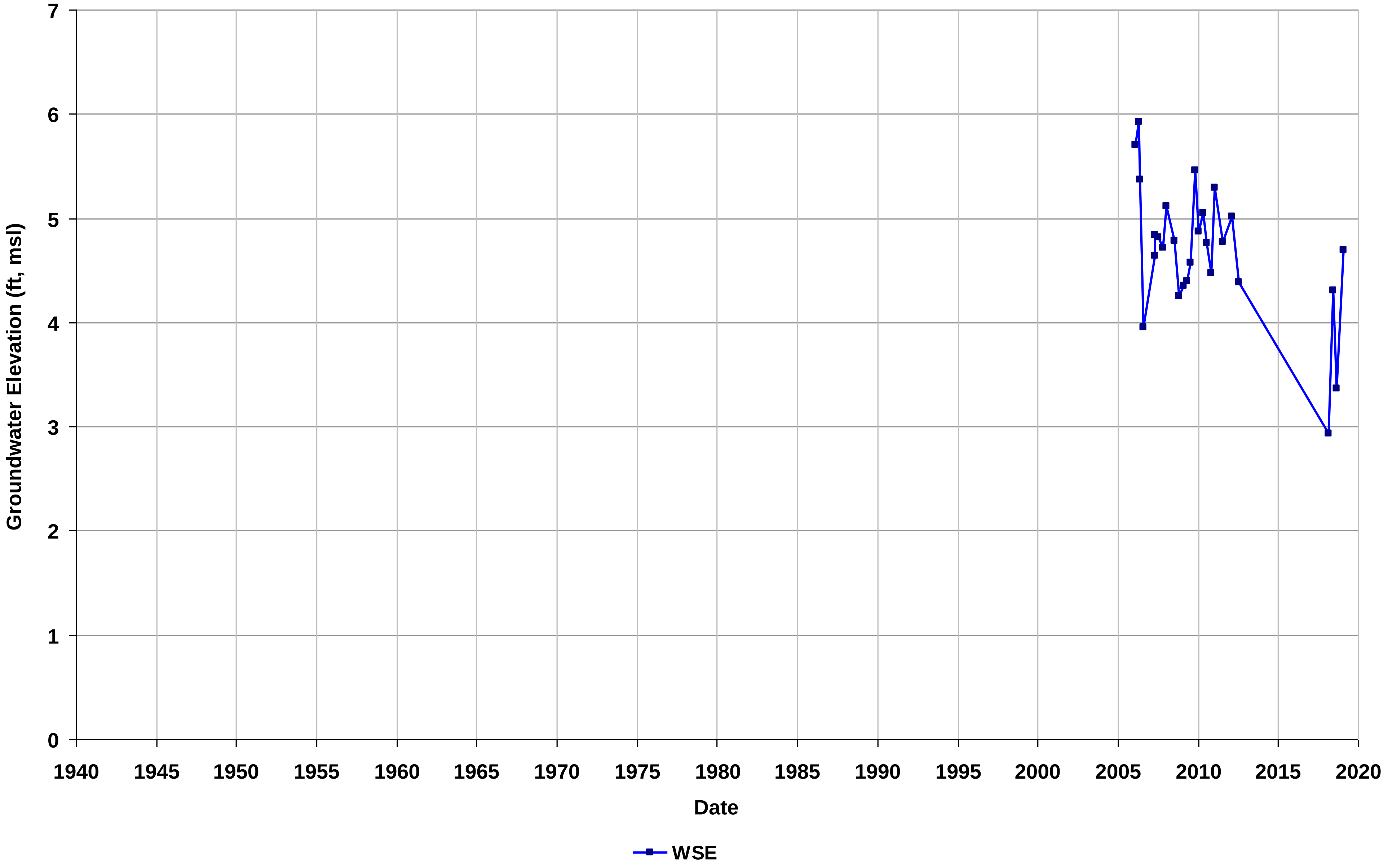
Well Name: SL20244862-AMW-13B
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 25
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



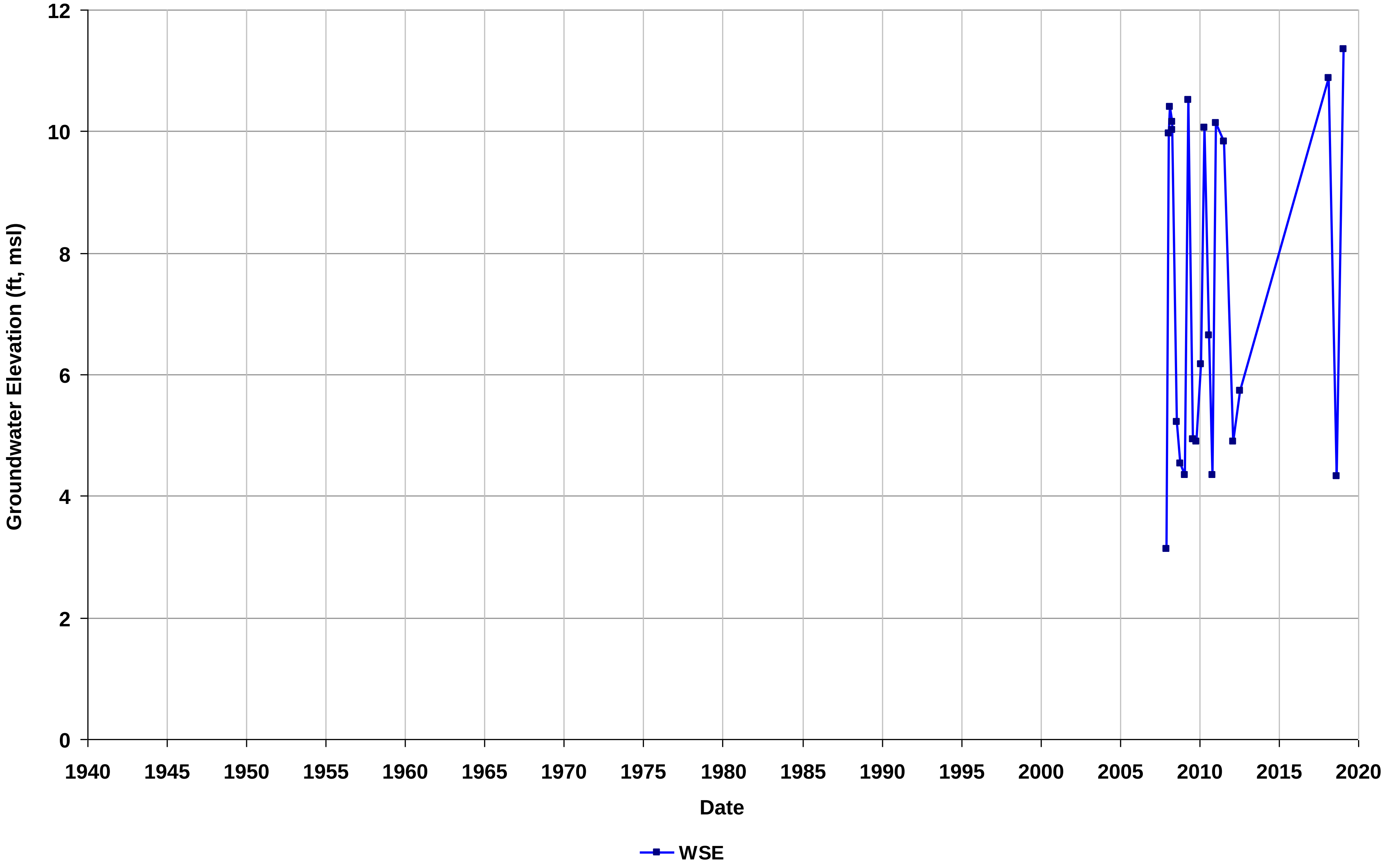
Well Name: SL20244862-AMW-14B
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 26
Perf. Interval (ft bgs): 27-37
T/R/S: 02S/03W/17
Well Use: Observation



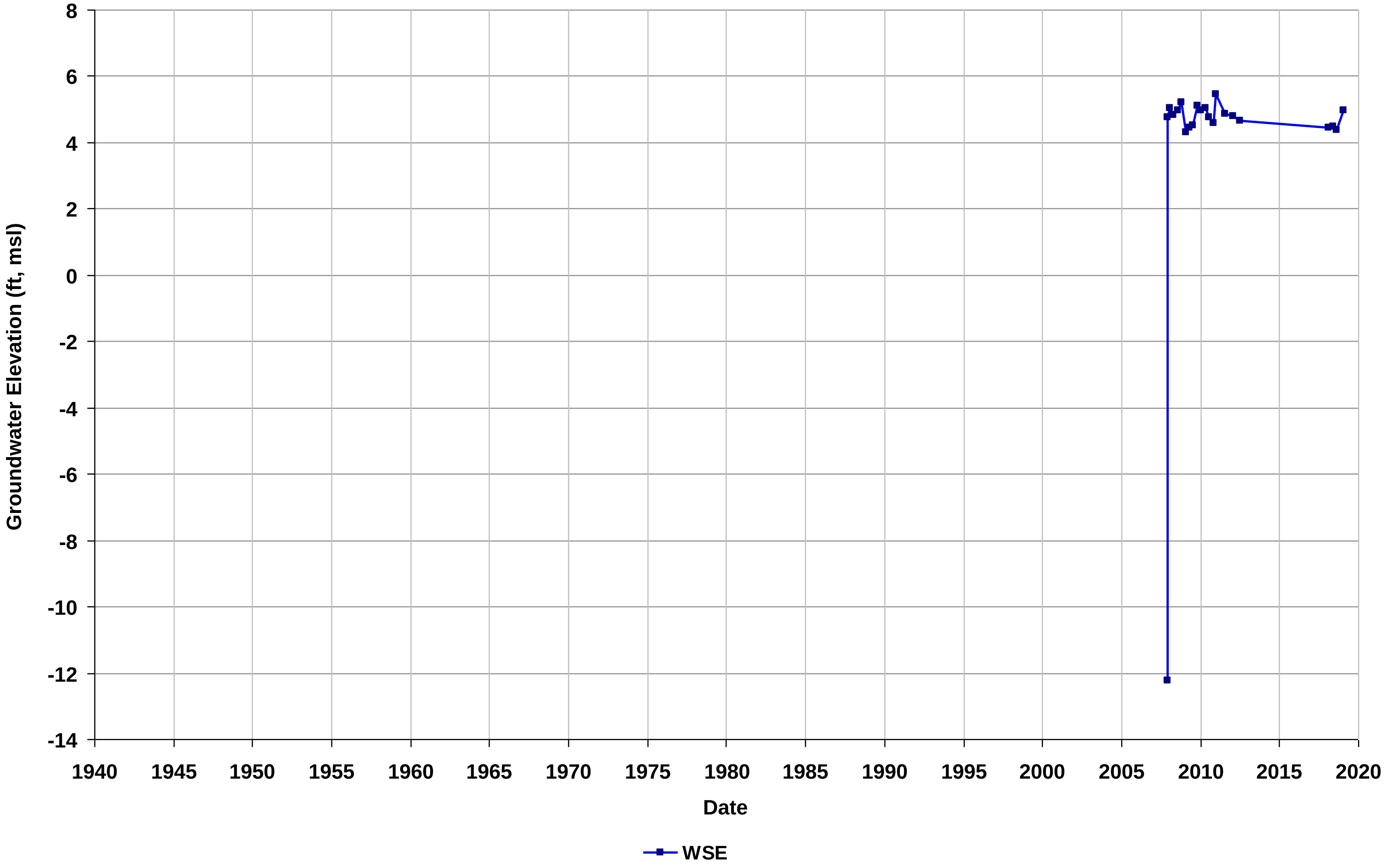
Well Name: SL20244862-AMW-17A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 10
Perf. Interval (ft bgs): 10-18
T/R/S: 02S/03W/08
Well Use: Observation



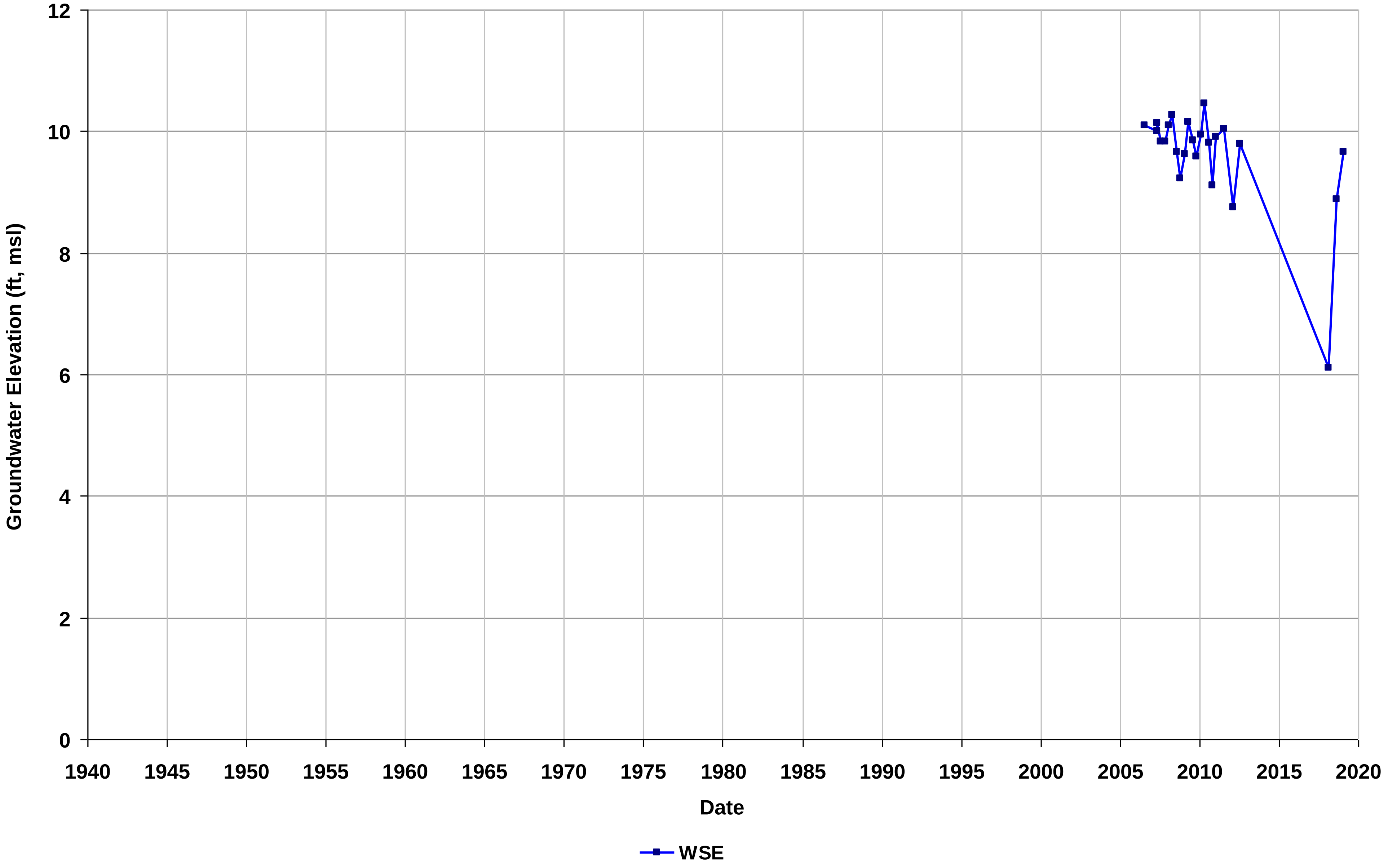
Well Name: SL20244862-AMW-17B
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 25
Perf. Interval (ft bgs): 26-36
T/R/S: 02S/03W/08
Well Use: Observation



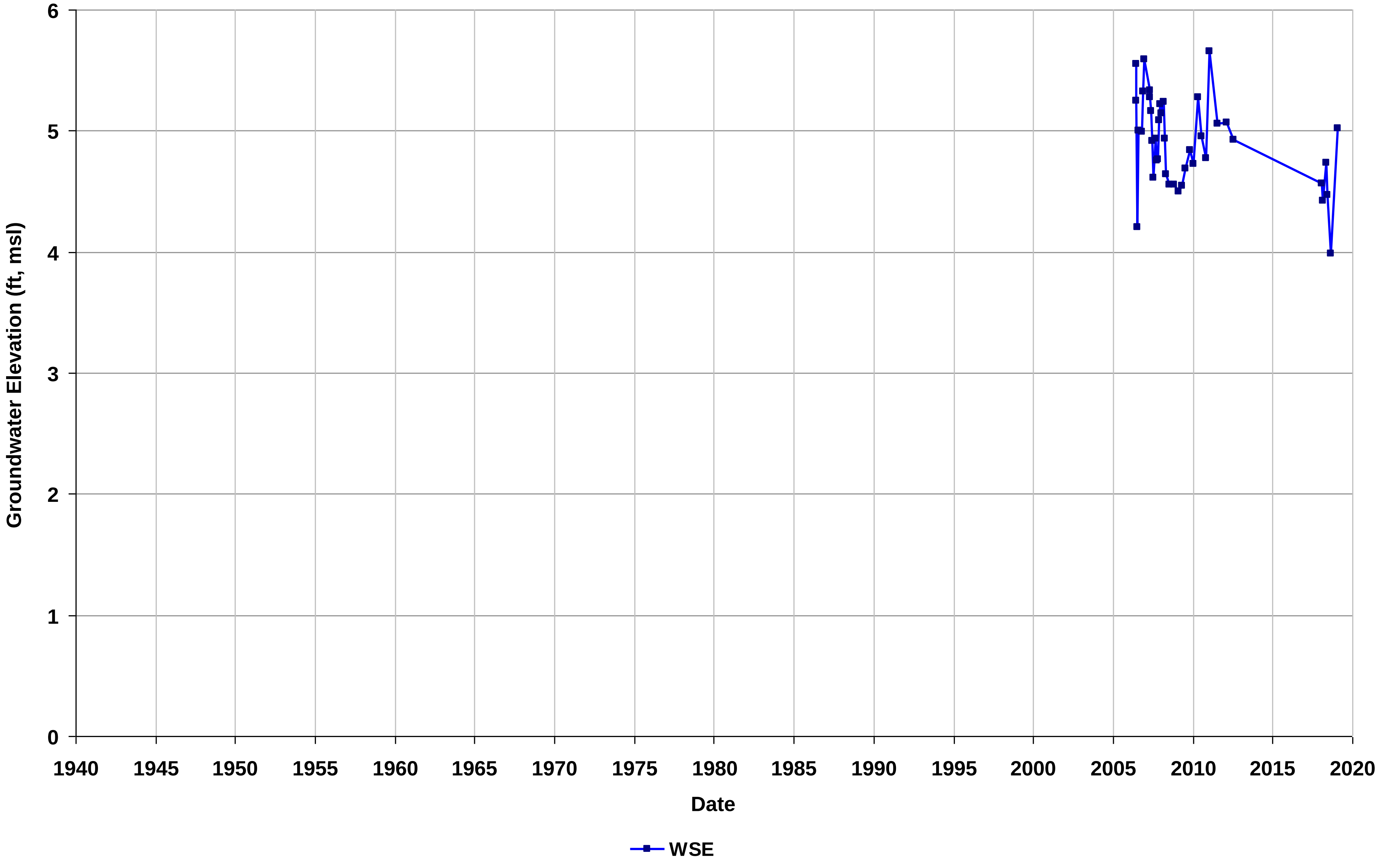
Well Name: SL20244862-AMW-1A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 8
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



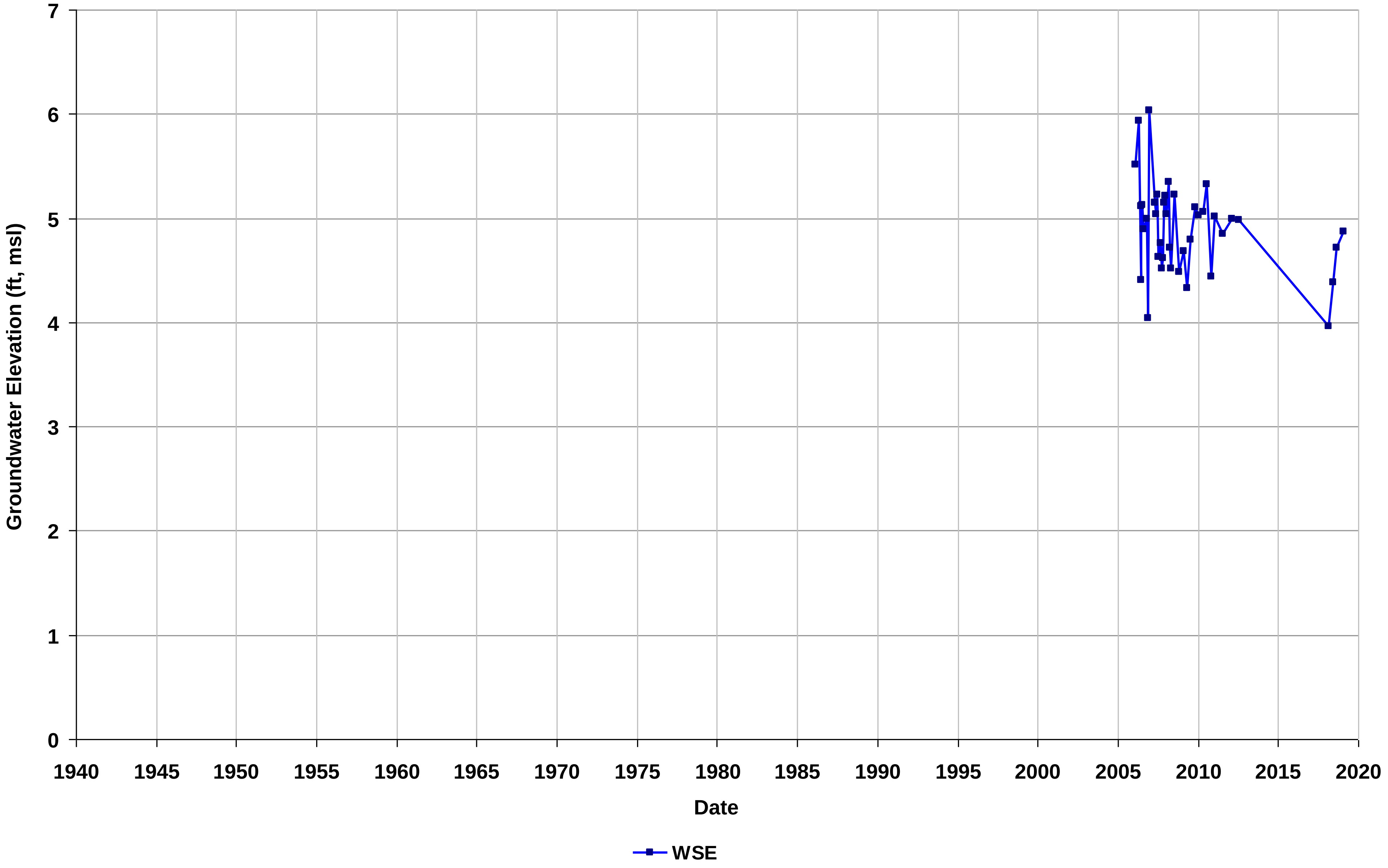
Well Name: SL20244862-AMW-1B
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 22
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



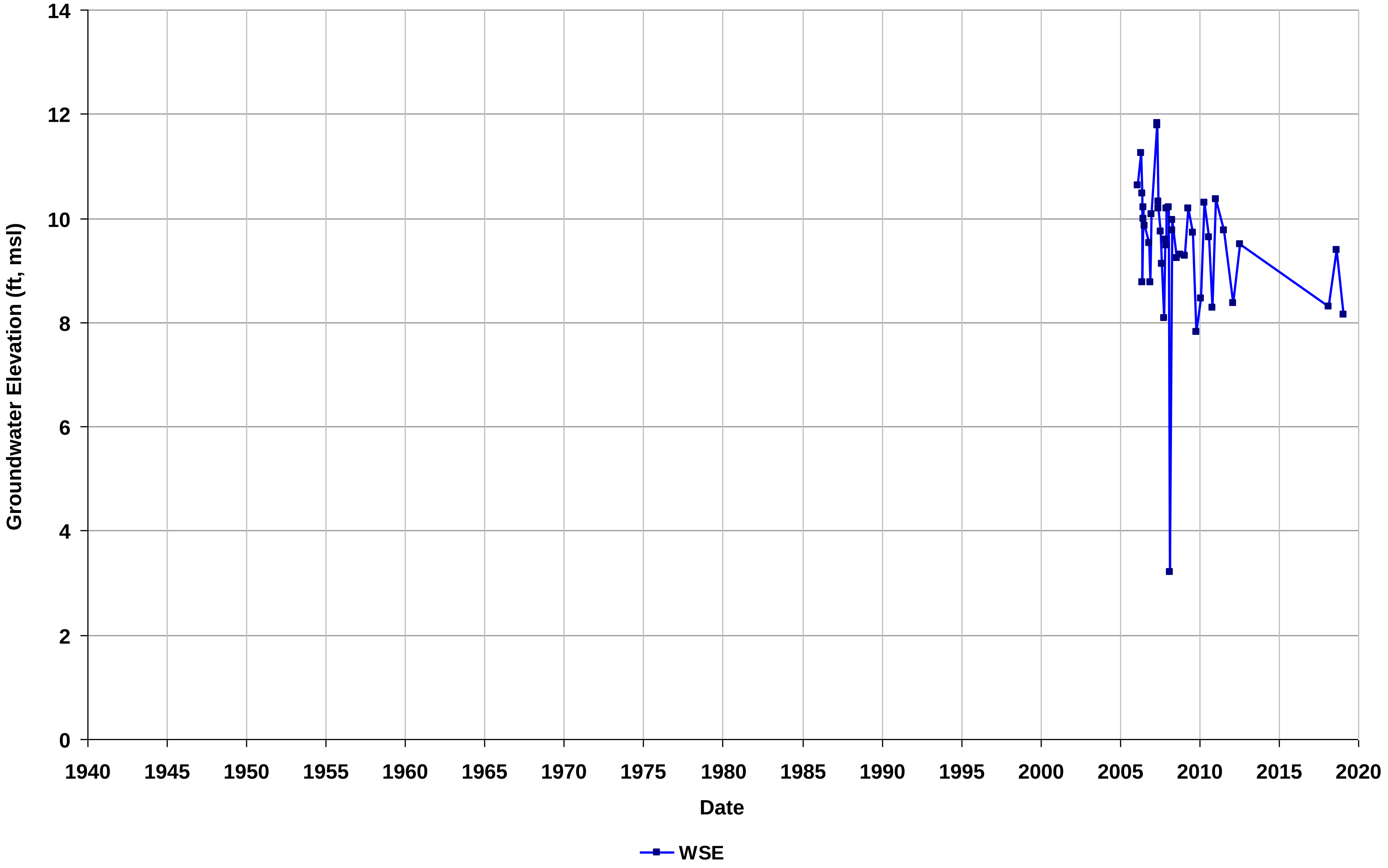
Well Name: SL20244862-AMW-2B
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 21
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



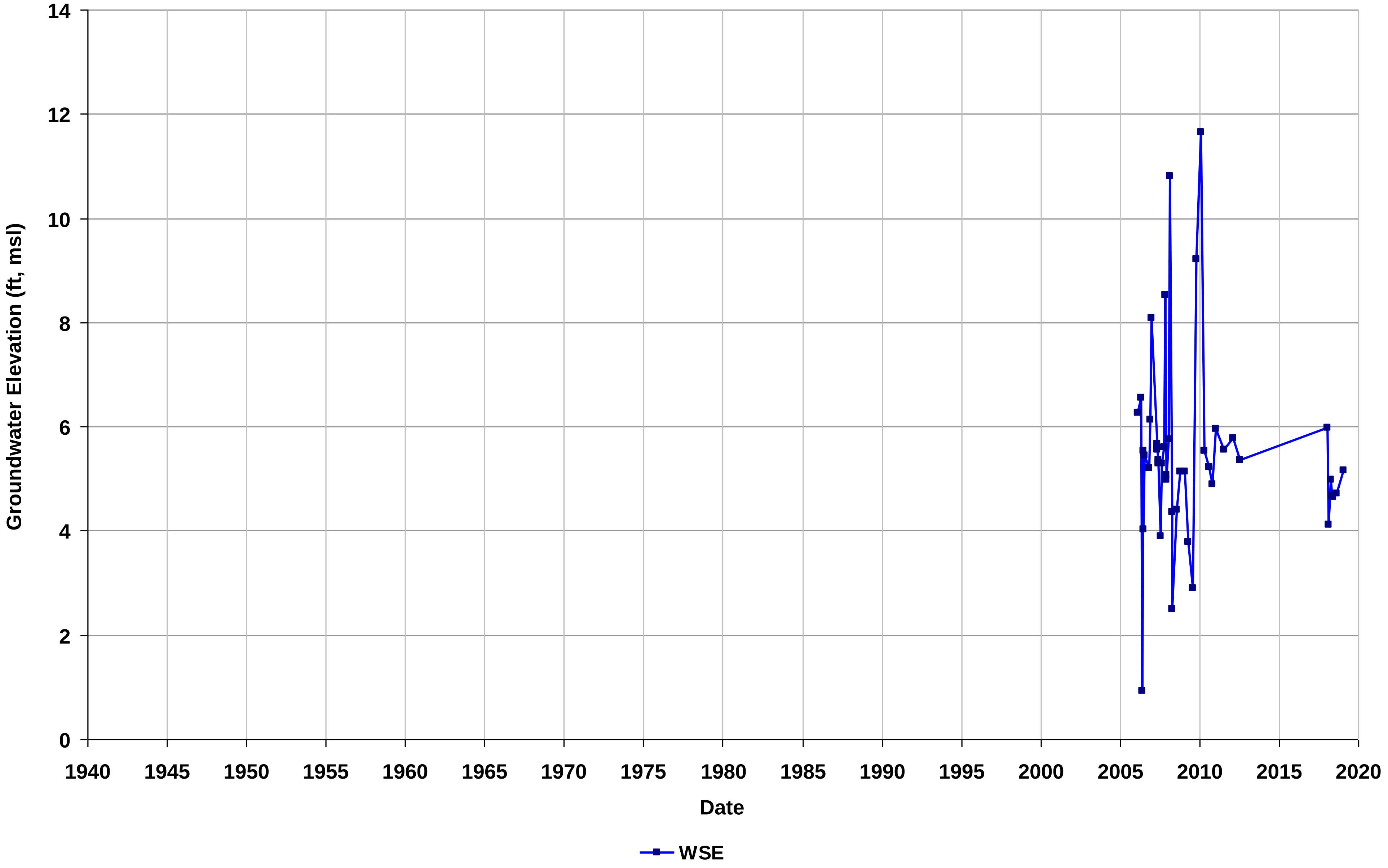
Well Name: SL20244862-AMW-3A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 8
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



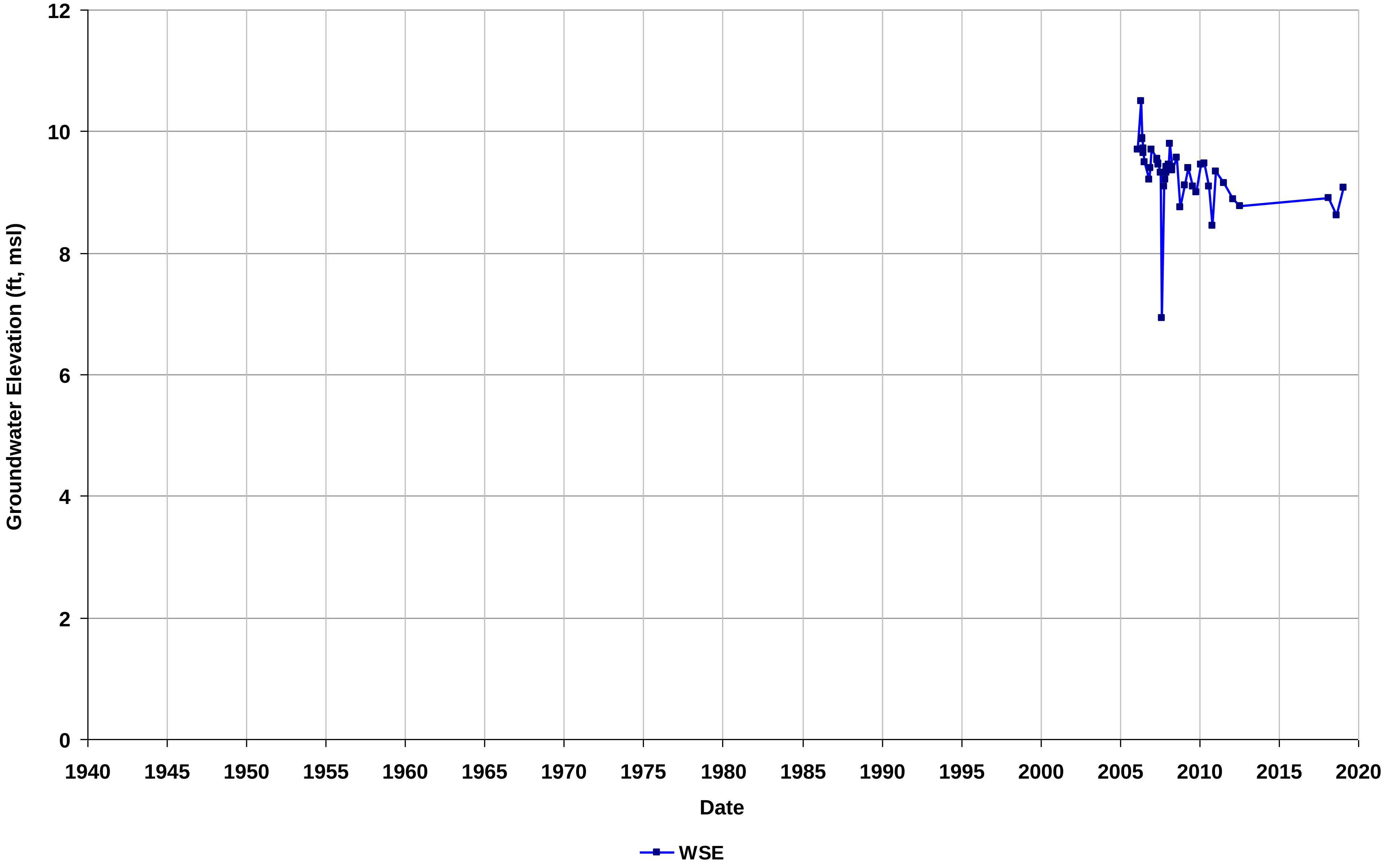
Well Name: SL20244862-AMW-3B
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 21
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



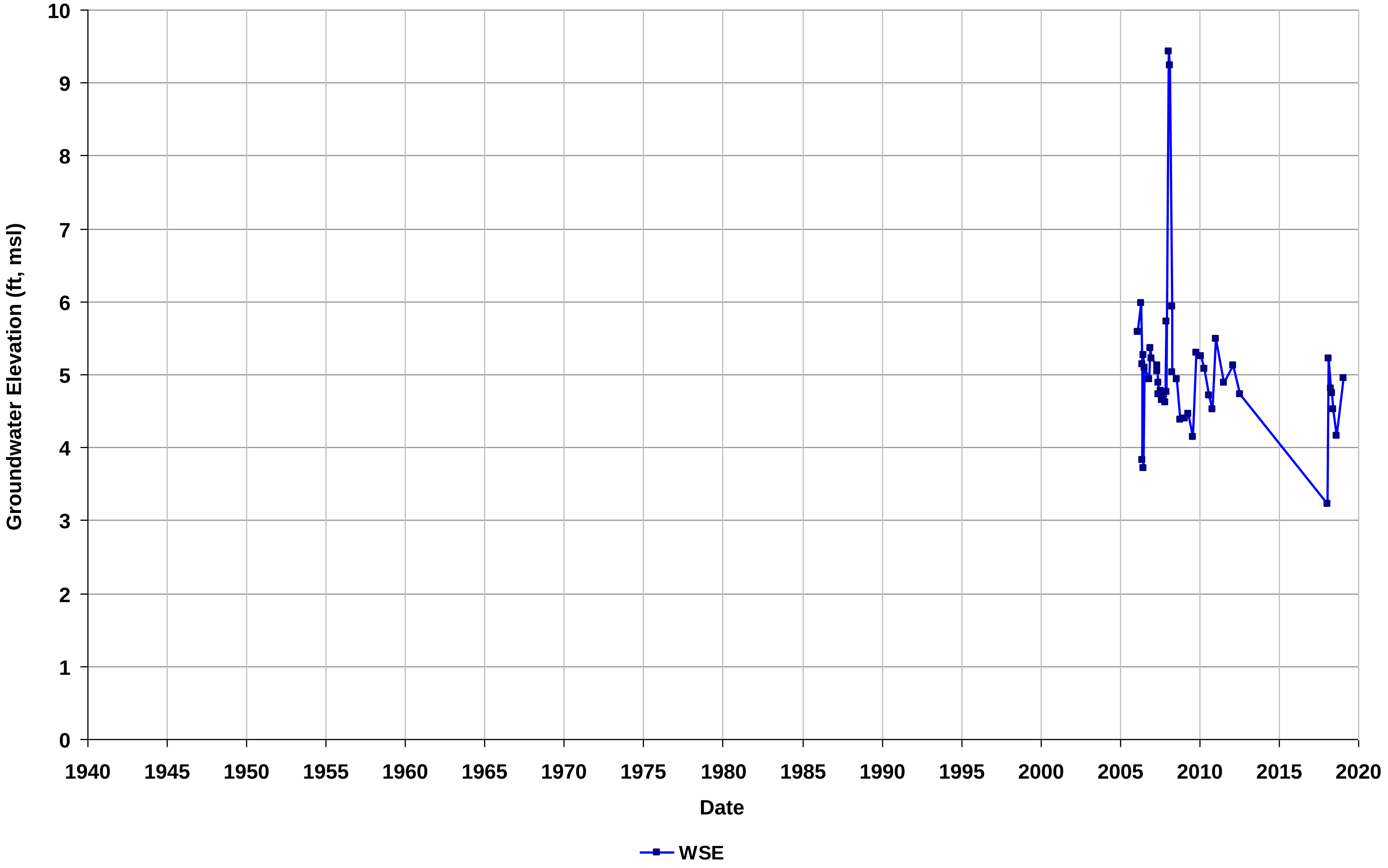
Well Name: SL20244862-AMW-4A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 7
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



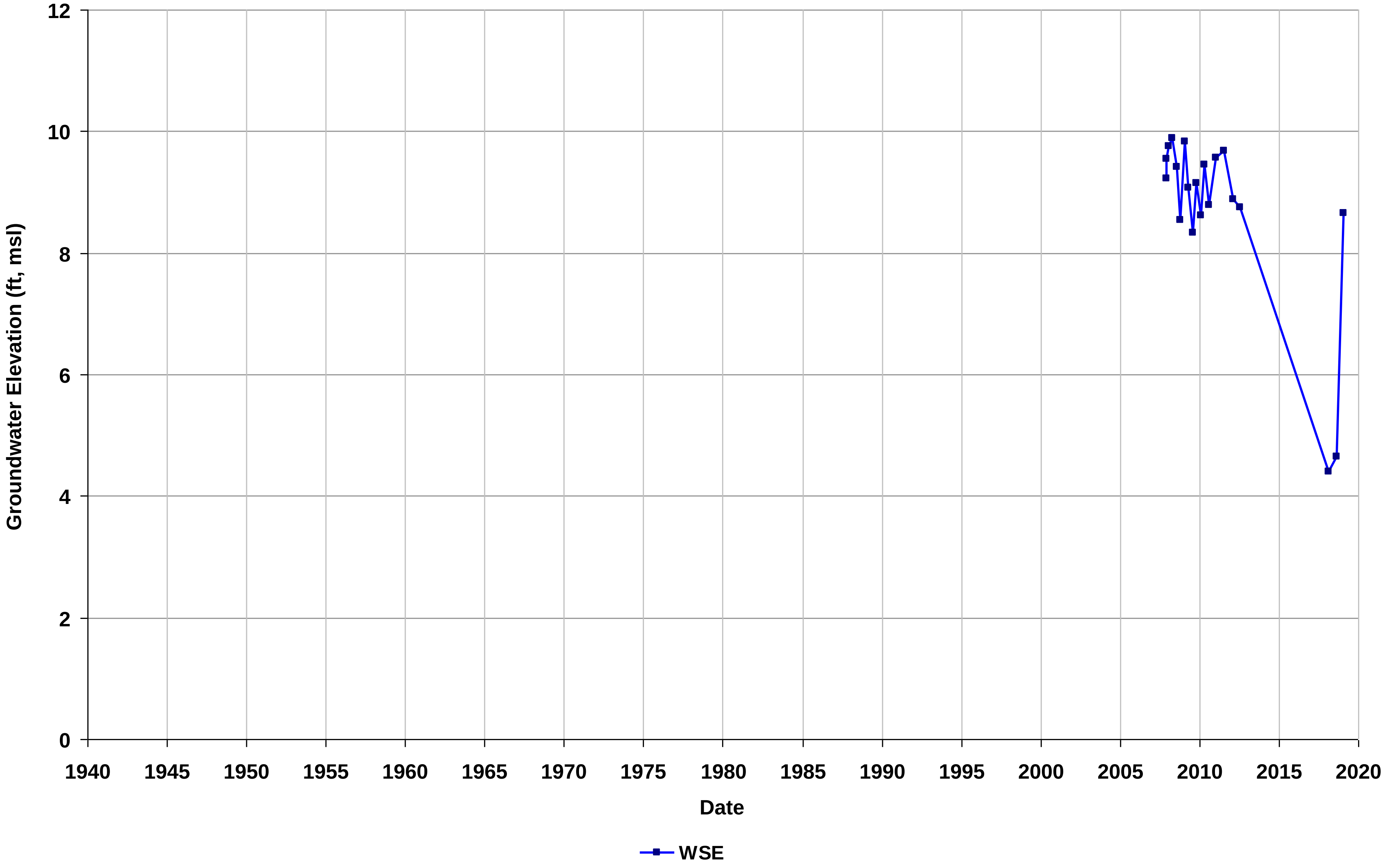
Well Name: SL20244862-AMW-4B
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 22
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



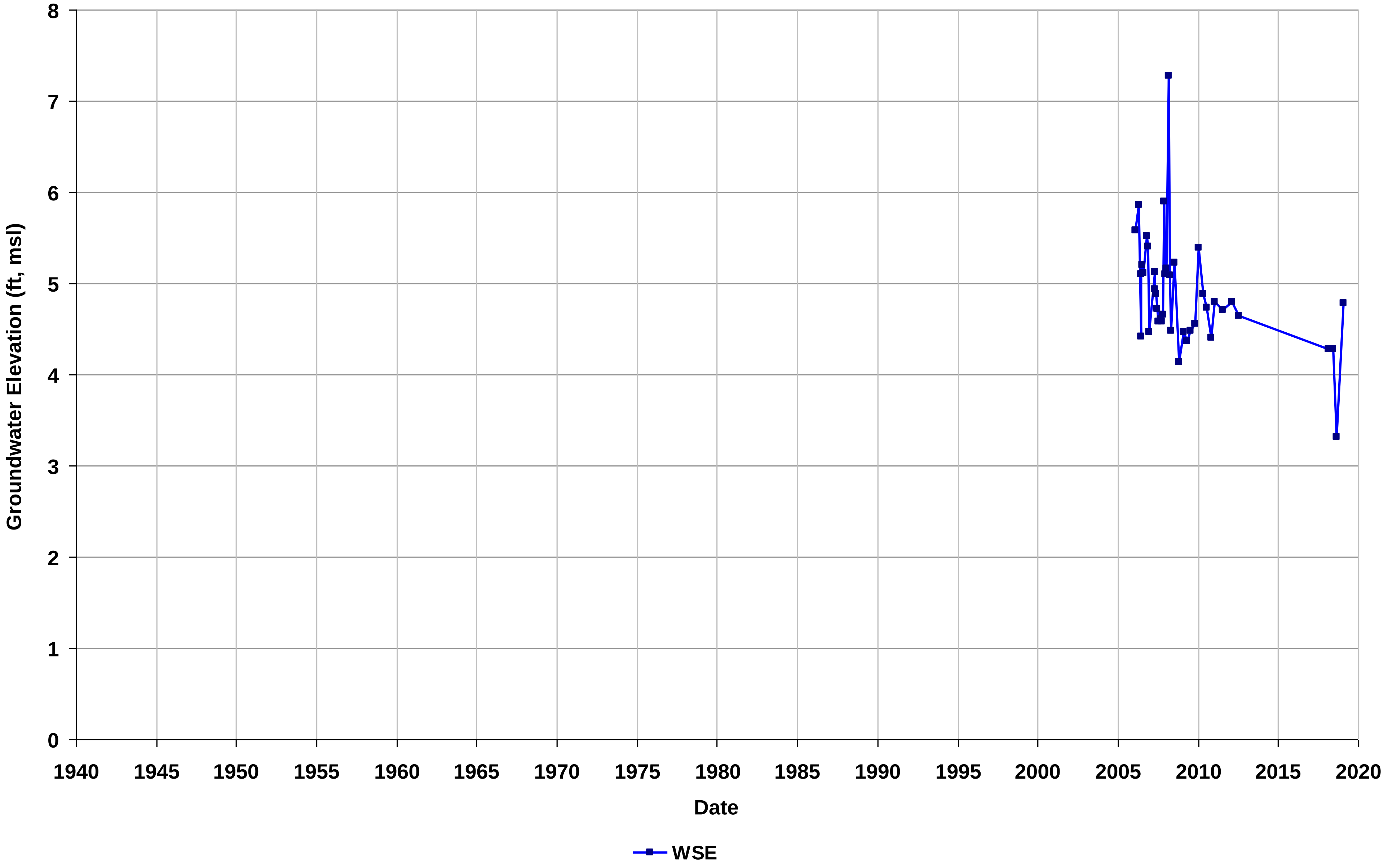
Well Name: SL20244862-AMW-5AR
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 11
Perf. Interval (ft bgs): 10-18
T/R/S: 02S/03W/17
Well Use: Observation



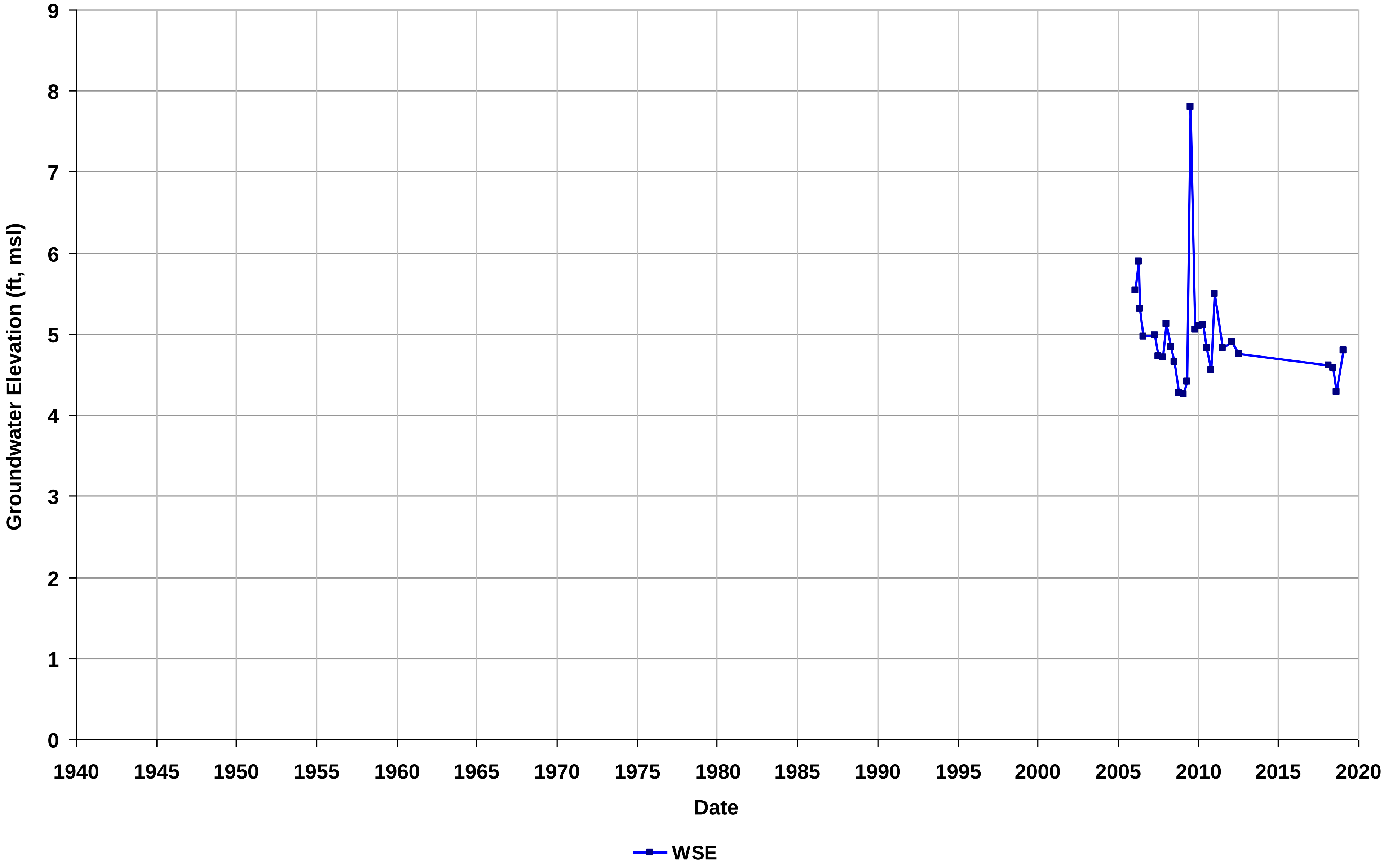
Well Name: SL20244862-AMW-5B
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 23
Perf. Interval (ft bgs):
T/R/S: 02S/03W/17
Well Use: Observation



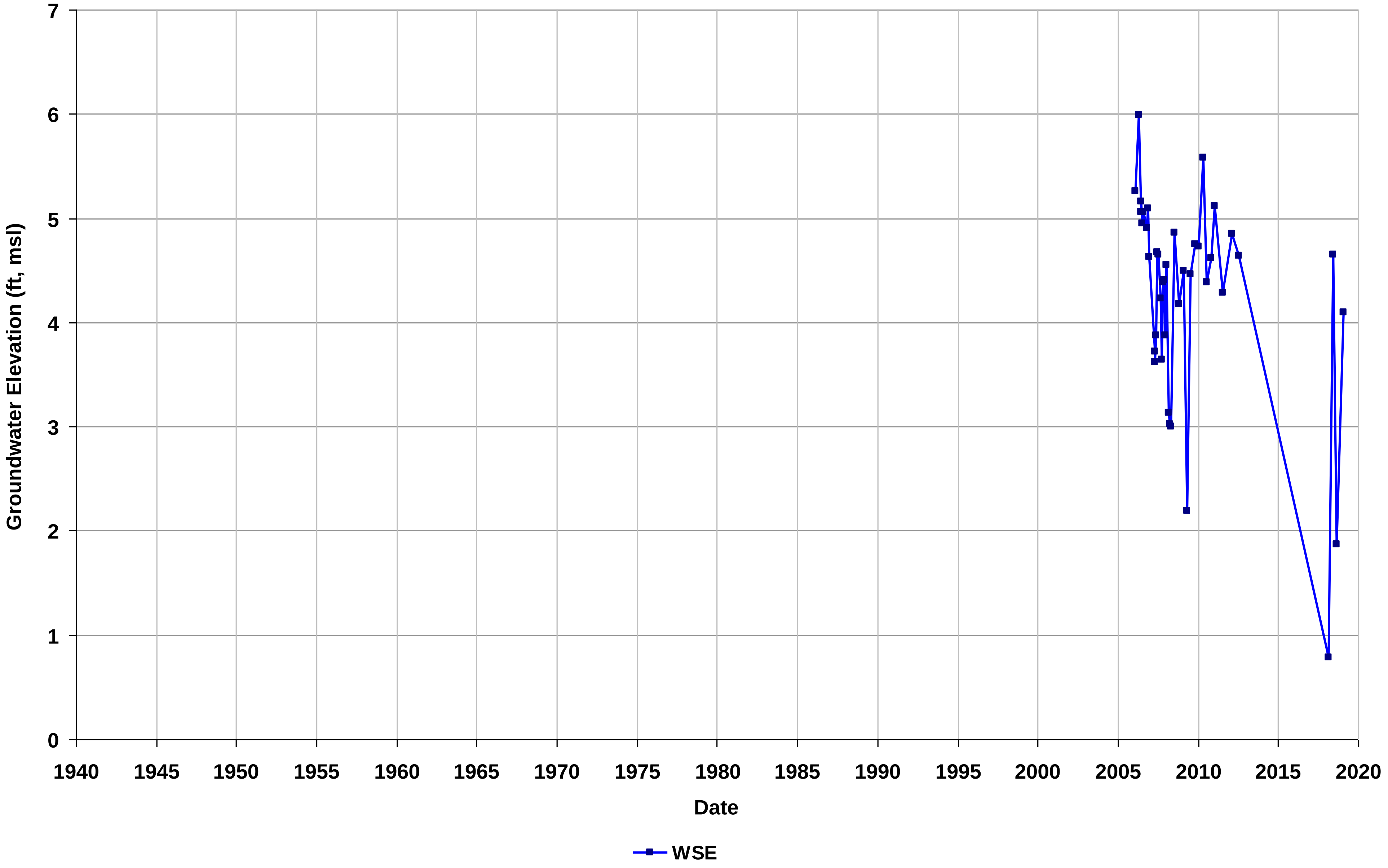
Well Name: SL20244862-AMW-7B
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 24
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



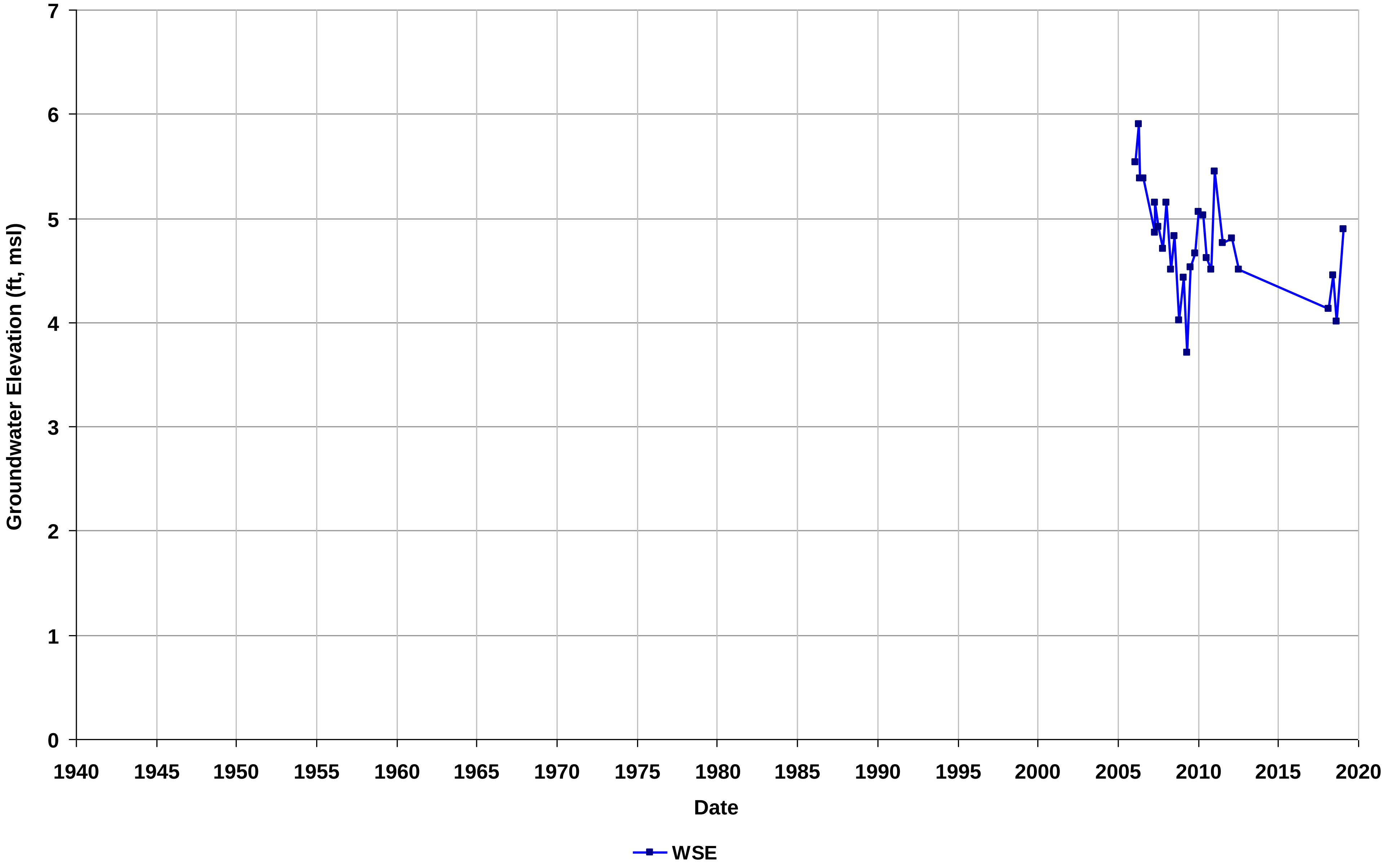
Well Name: SL20244862-AMW-9B
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 24
Perf. Interval (ft bgs):
T/R/S: 02S/03W/17
Well Use: Observation



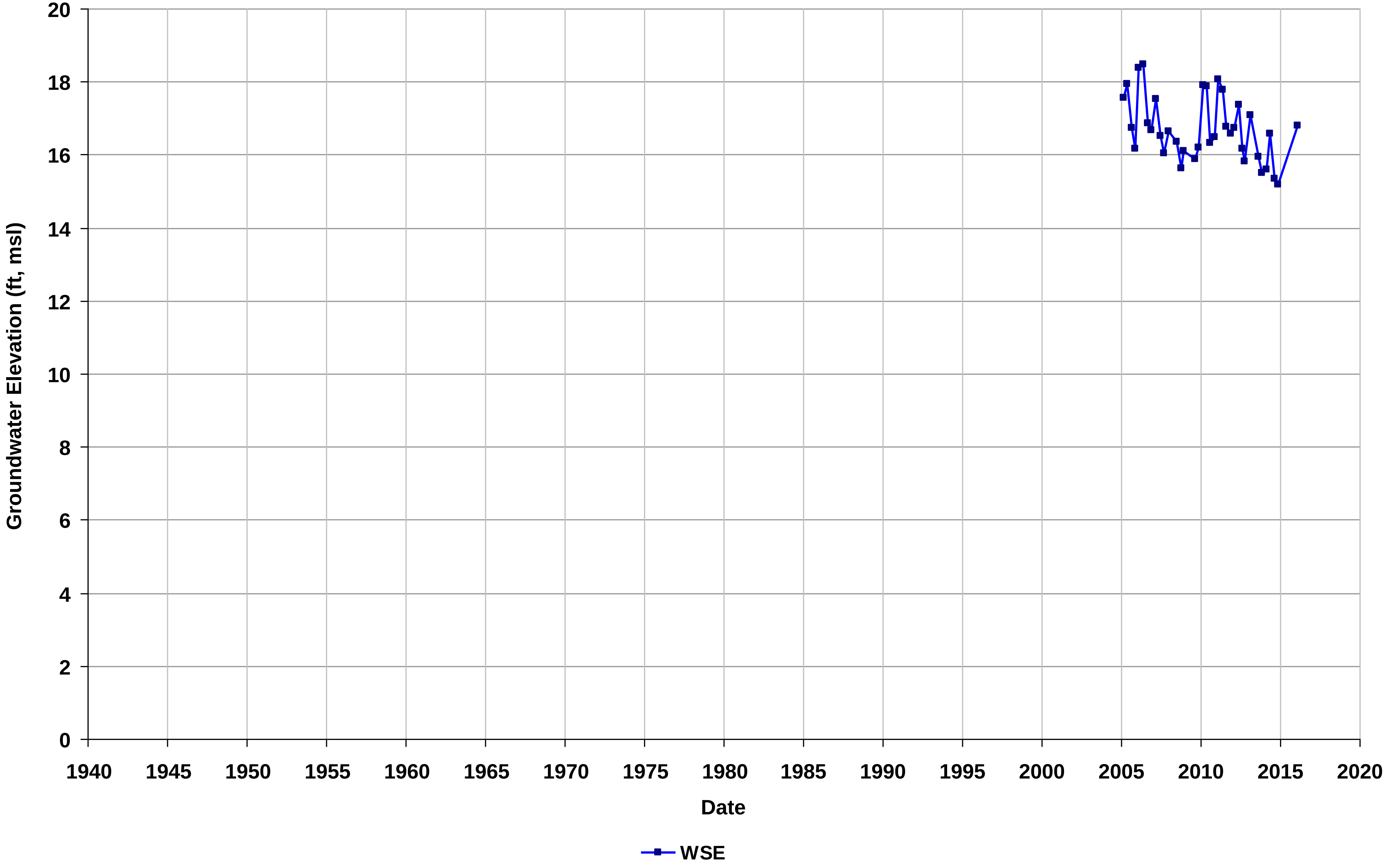
Well Name: SL20244862-APZ-1B
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 31
Perf. Interval (ft bgs):
T/R/S: 02S/03W/17
Well Use: Observation



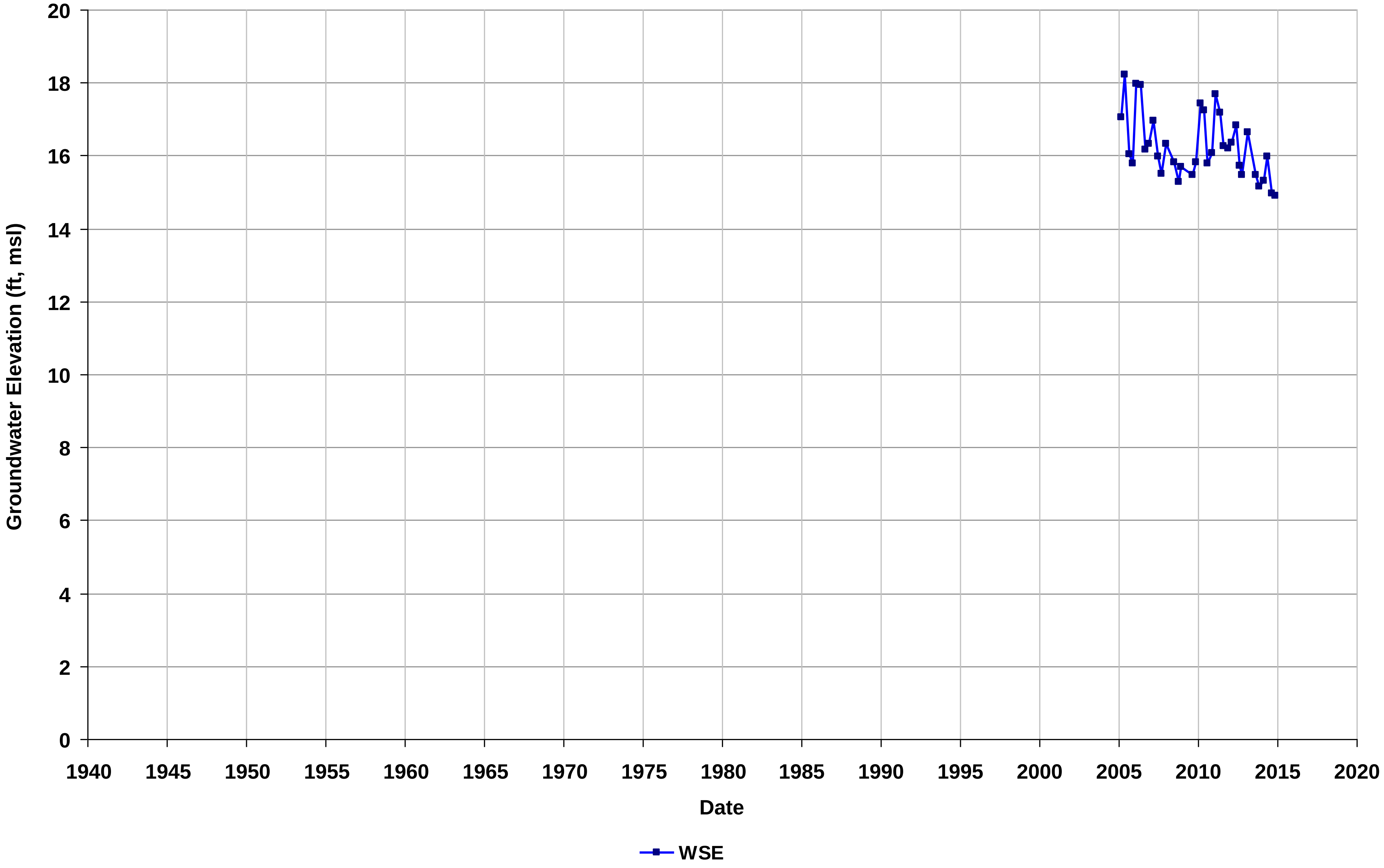
Well Name: SL20260878-MW-10B
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 25
Perf. Interval (ft bgs): 26.9-32
T/R/S: 02S/03W/34
Well Use: Observation



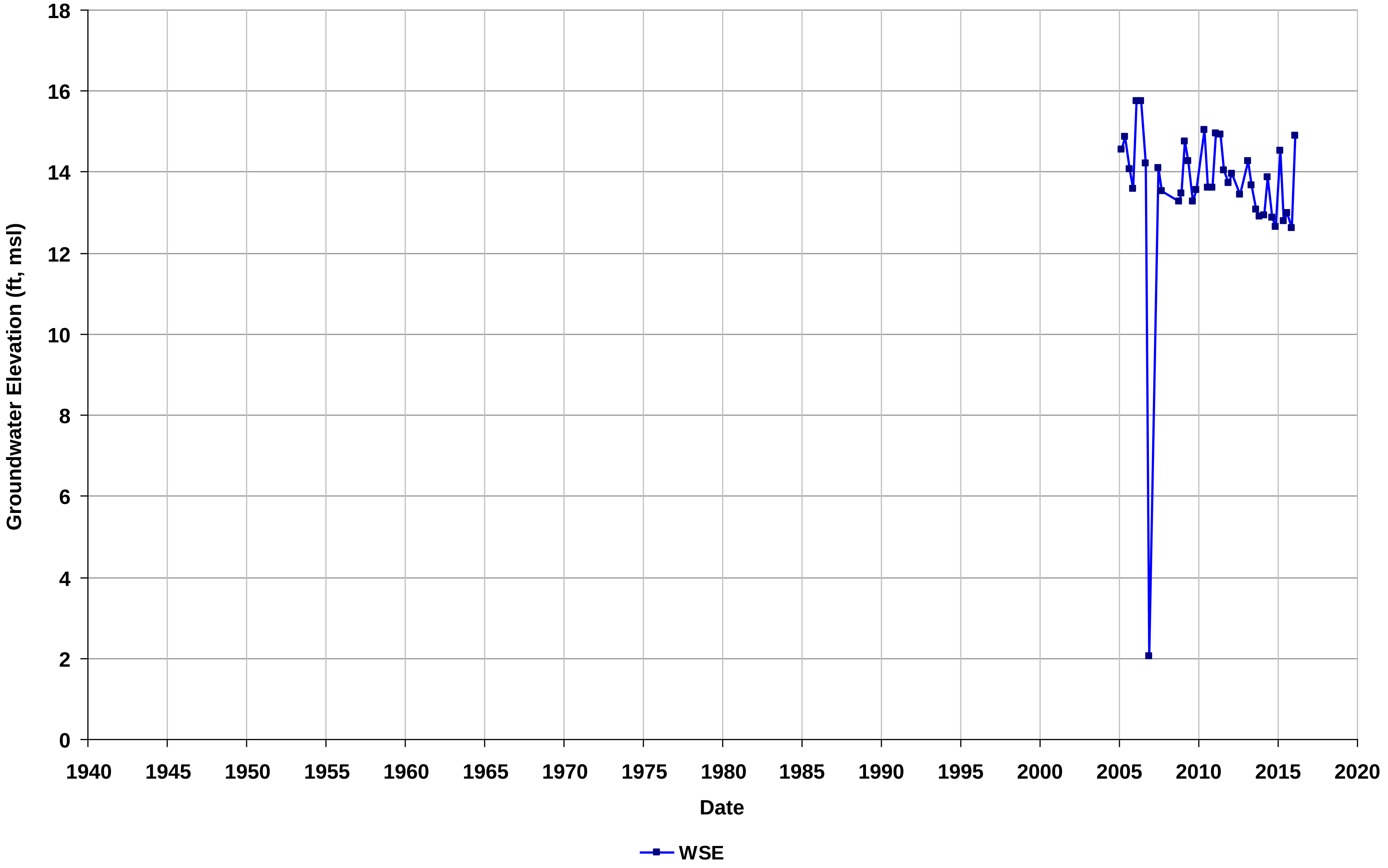
Well Name: SL20260878-MW-10C
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 26
Perf. Interval (ft bgs): 11.31-16
T/R/S: 02S/03W/34
Well Use: Observation



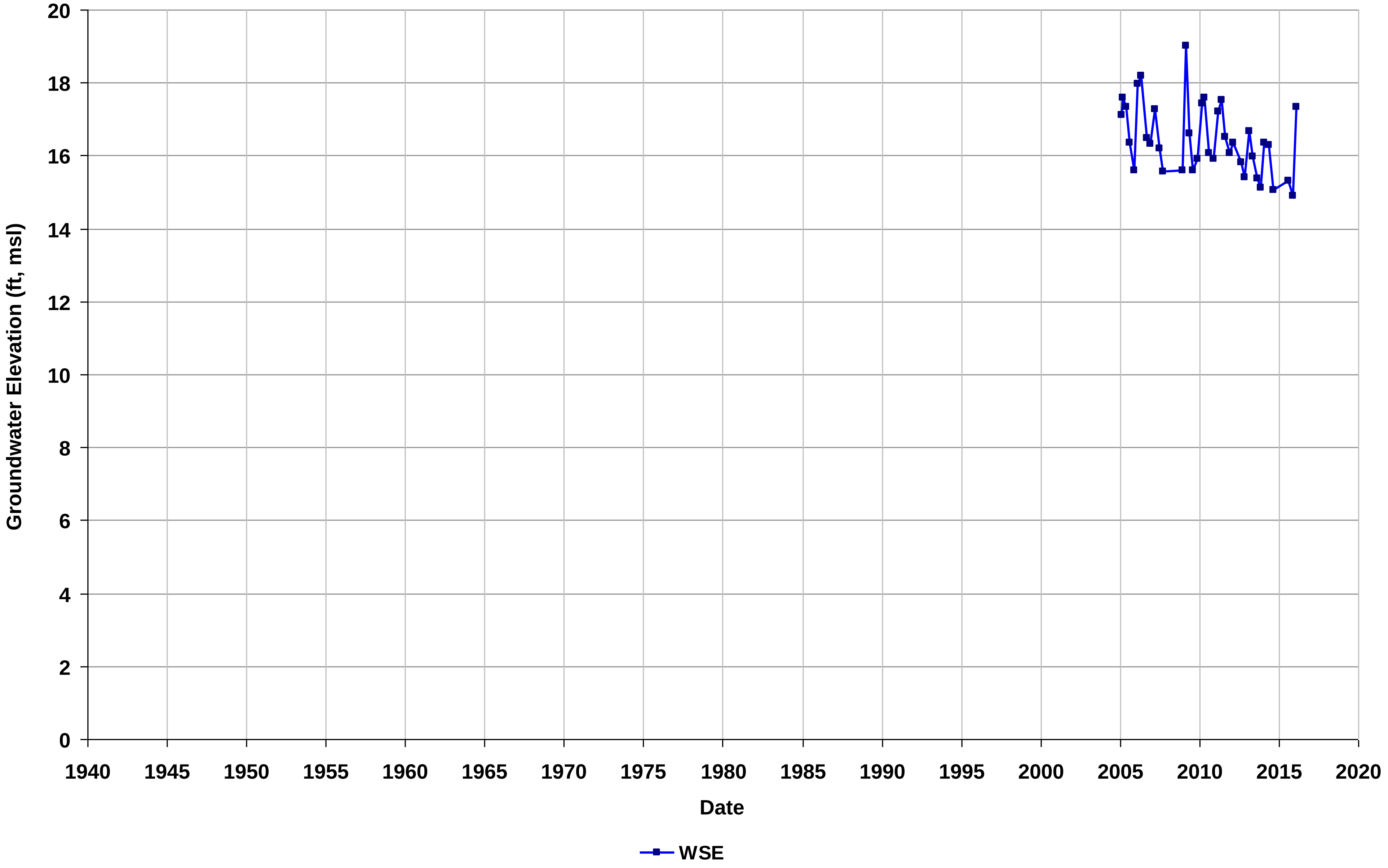
Well Name: SL20260878-MW-11A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 23
Perf. Interval (ft bgs): 15.42-20
T/R/S: 02S/03W/34
Well Use: Observation



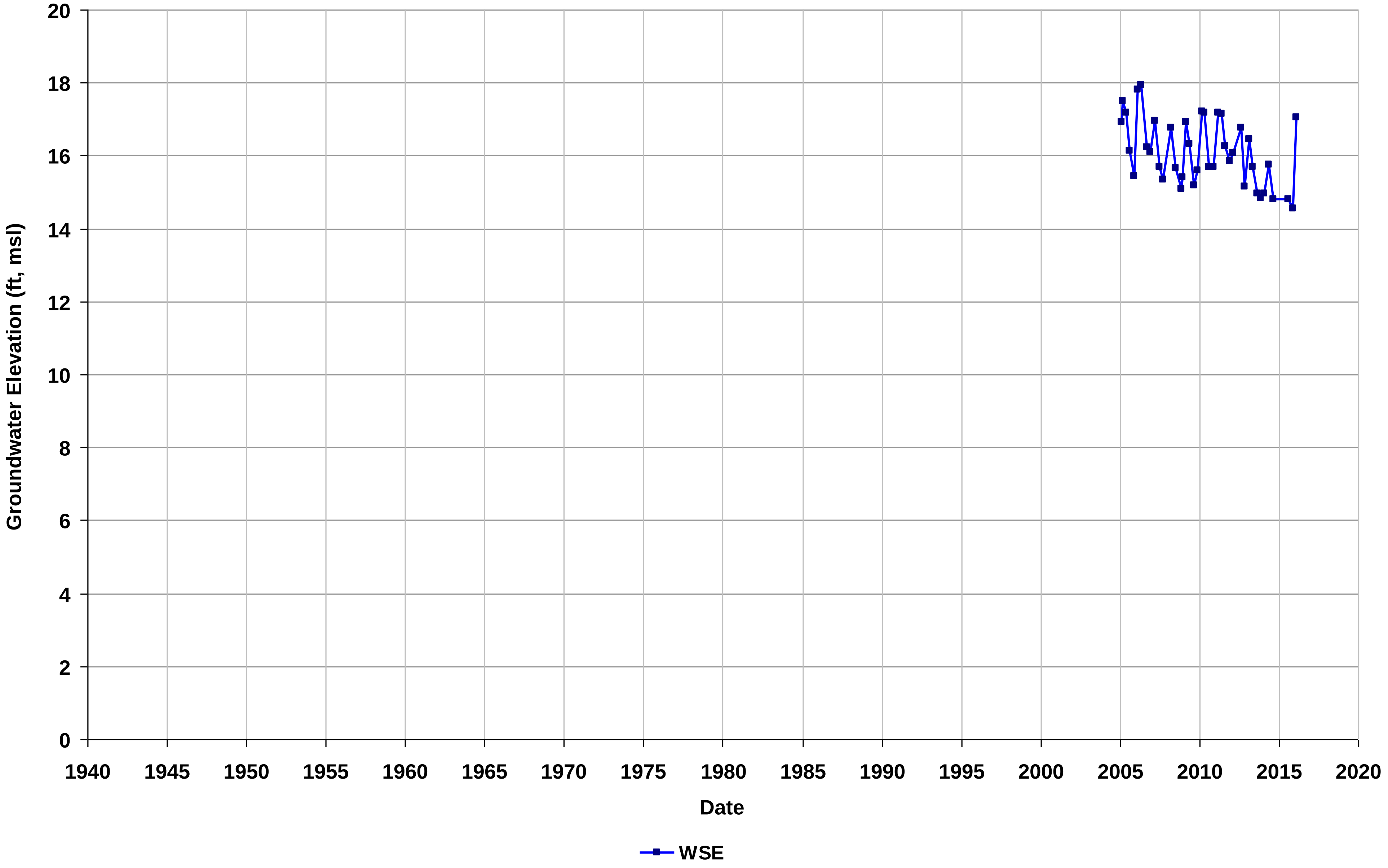
Well Name: SL20260878-MW-12A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 26
Perf. Interval (ft bgs): 10.34-15
T/R/S: 02S/03W/34
Well Use: Observation



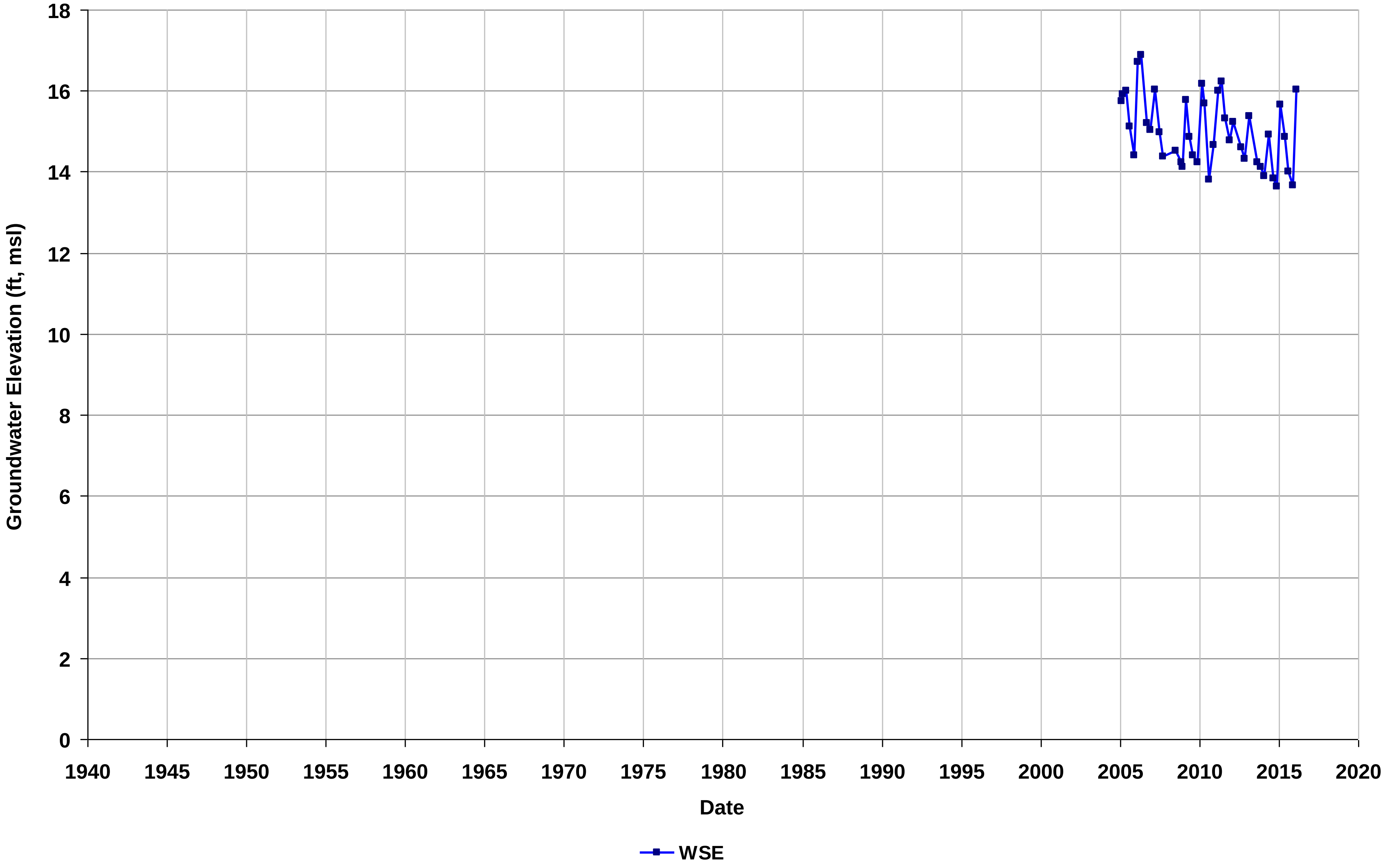
Well Name: SL20260878-MW-12B
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 27
Perf. Interval (ft bgs): 11.76-17
T/R/S: 02S/03W/34
Well Use: Observation



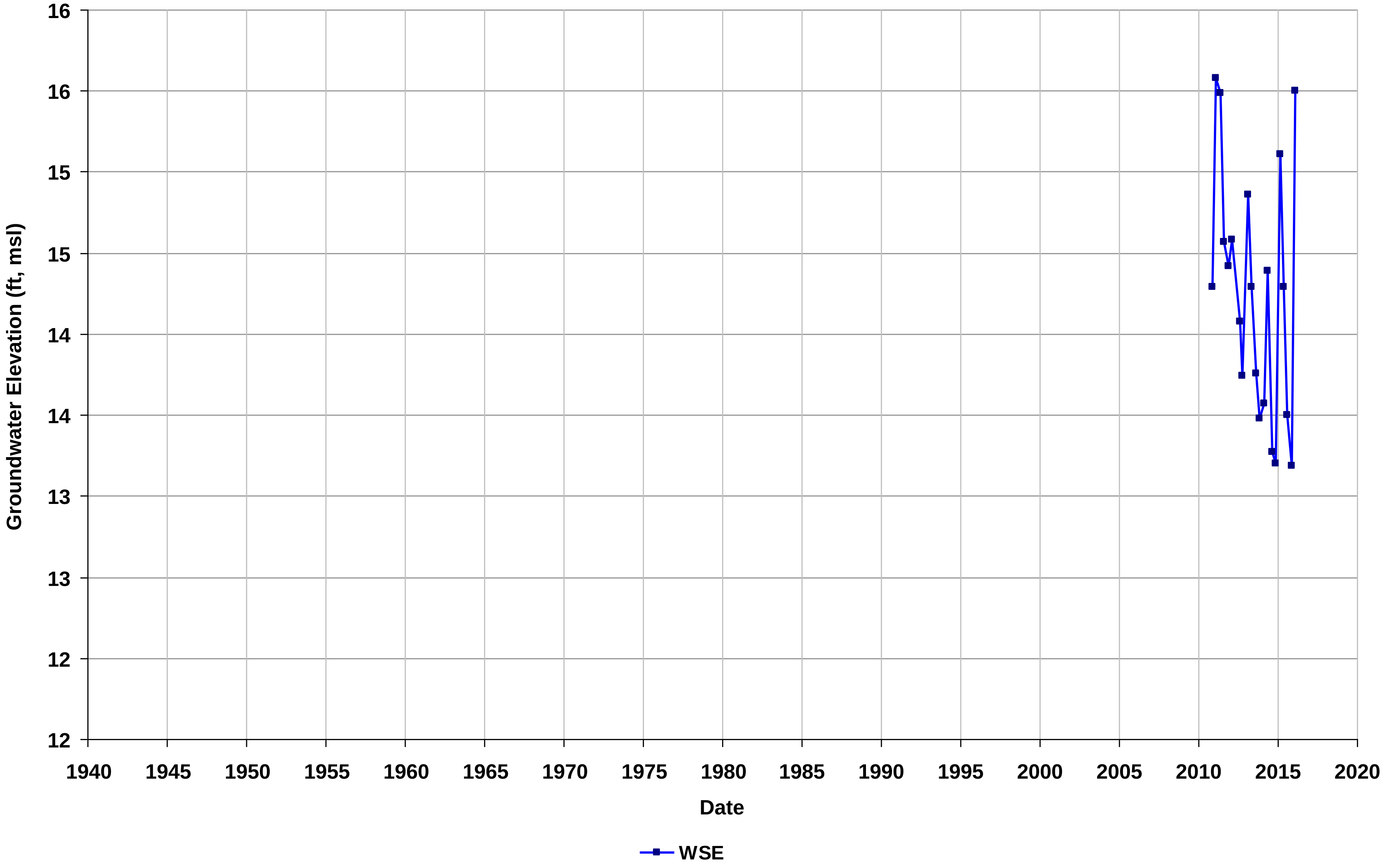
Well Name: SL20260878-MW-13A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 26
Perf. Interval (ft bgs):
T/R/S: 02S/03W/34
Well Use: Observation



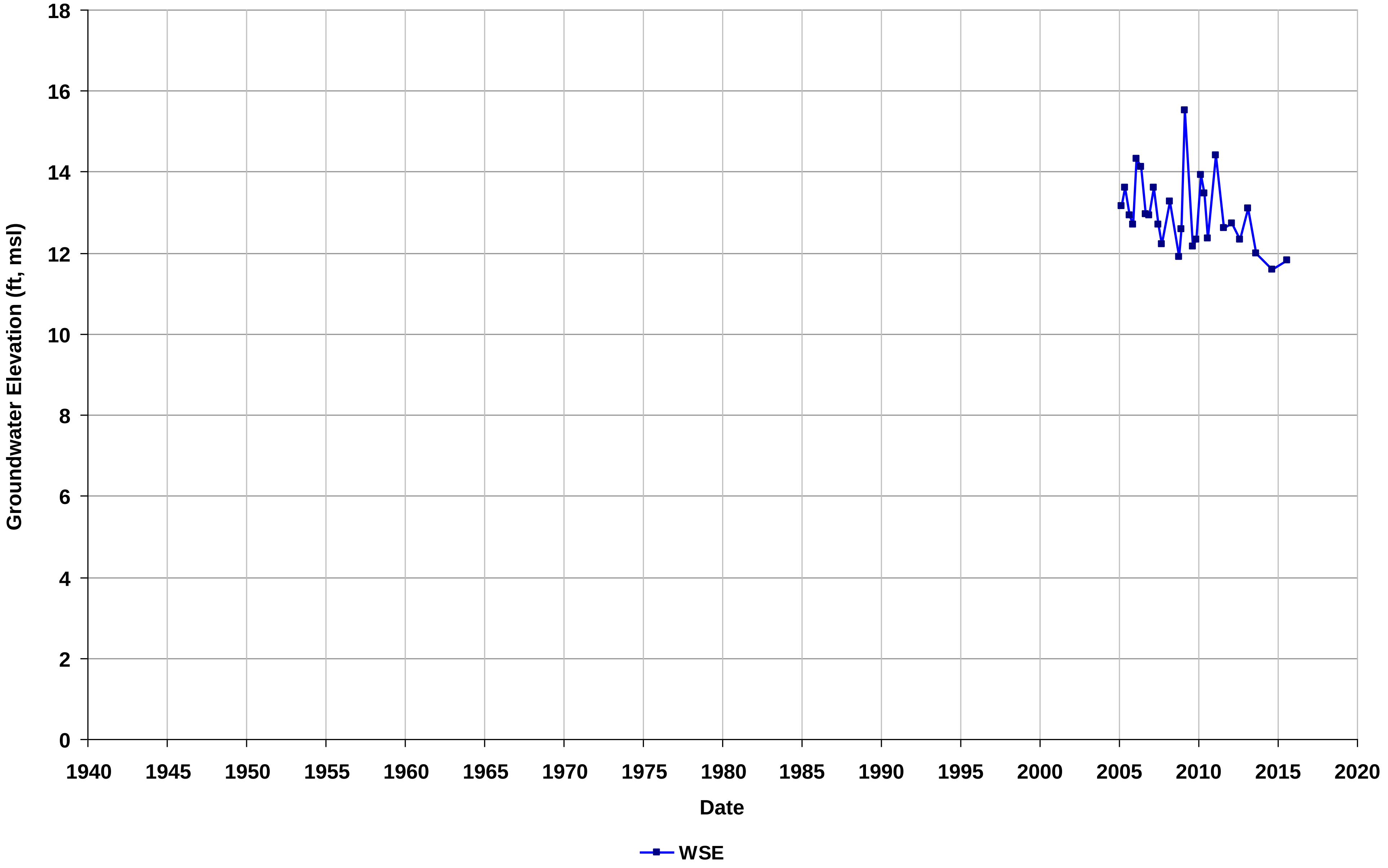
Well Name: SL20260878-MW-13BR
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 26
Perf. Interval (ft bgs): 8.27-13
T/R/S: 02S/03W/34
Well Use: Observation



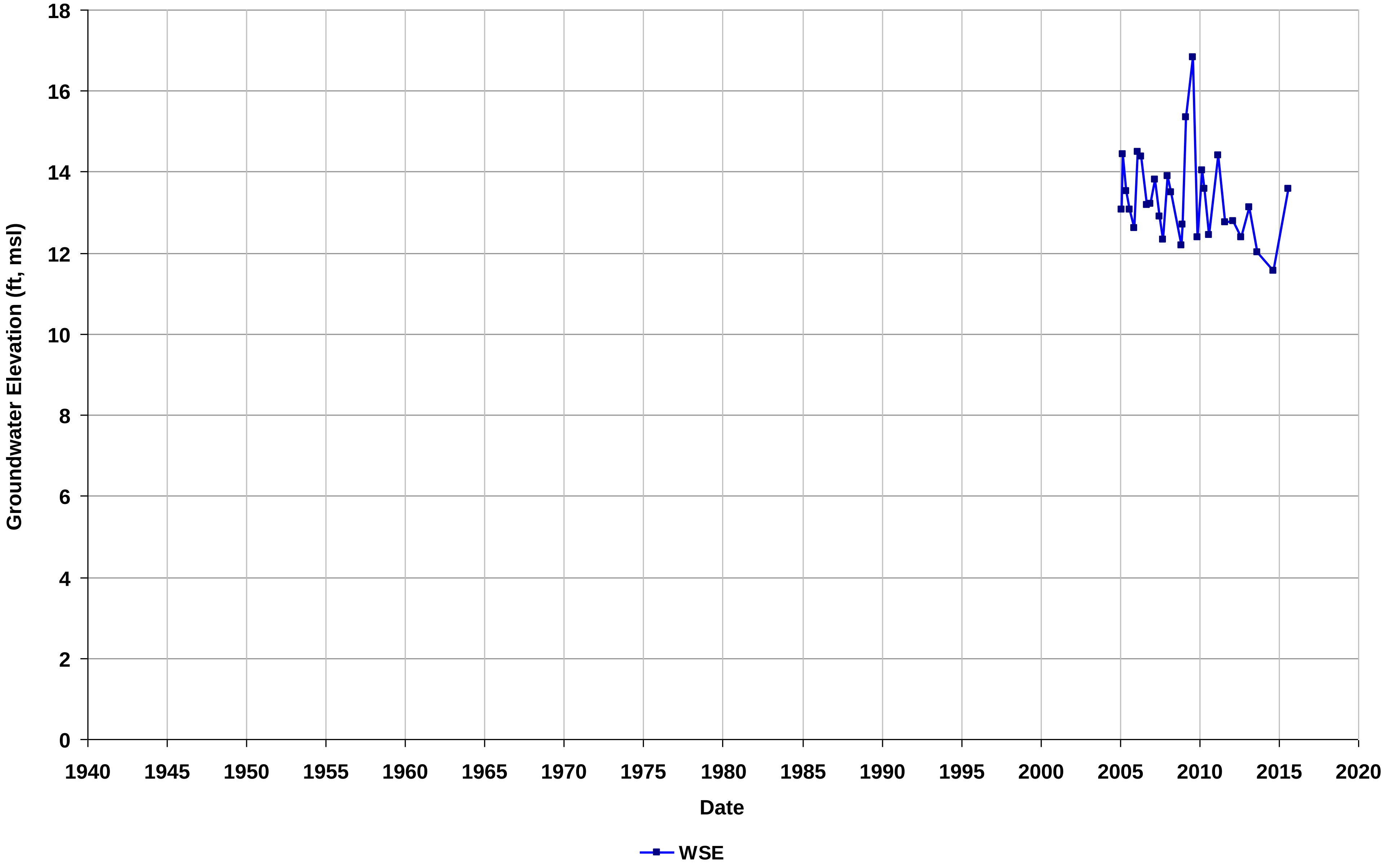
Well Name: SL20260878-MW-14A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 18
Perf. Interval (ft bgs): 10.72-18
T/R/S: 02S/03W/34
Well Use: Observation



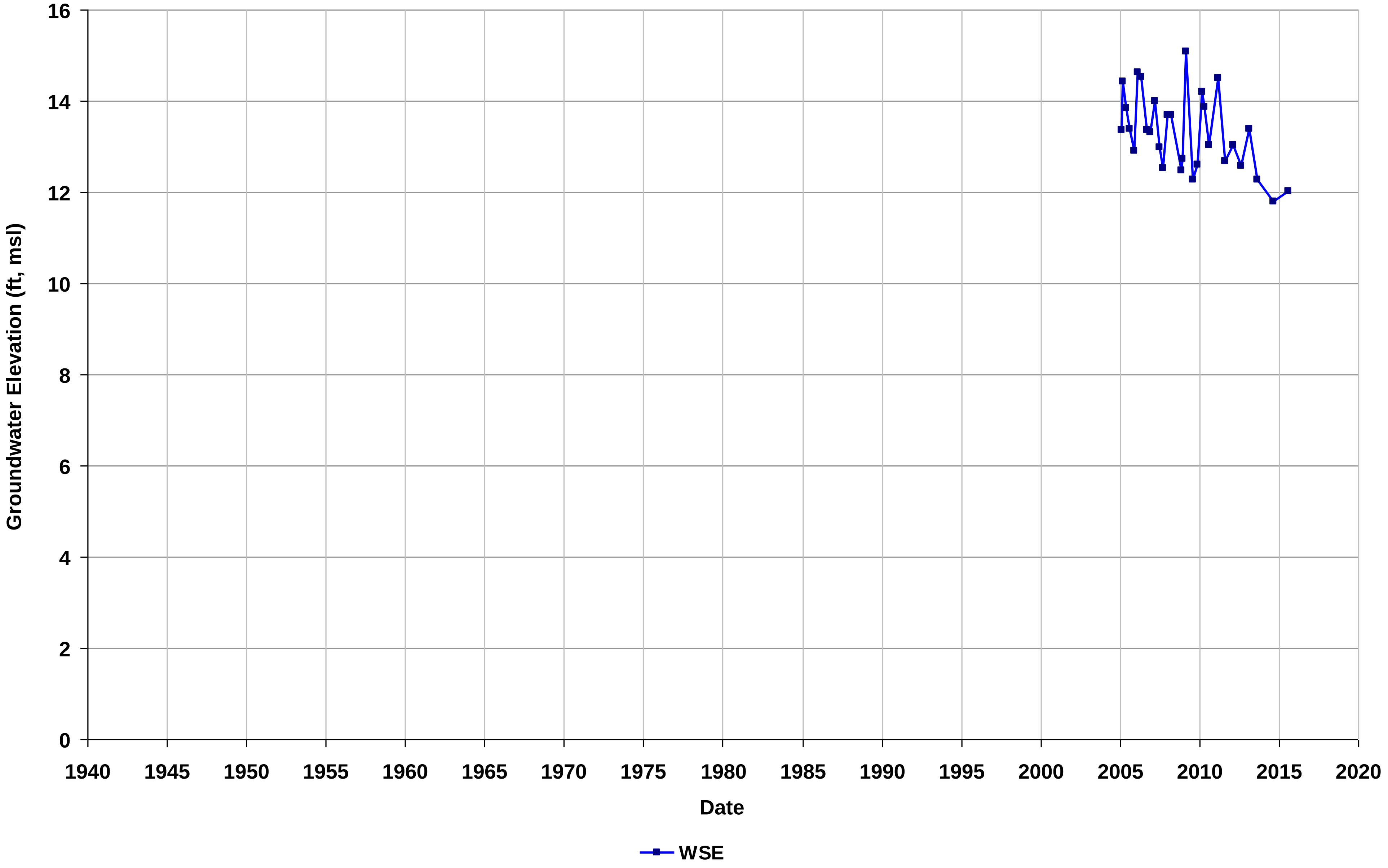
Well Name: SL20260878-MW-15A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 21
Perf. Interval (ft bgs): 10.02-15
T/R/S: 02S/03W/34
Well Use: Observation



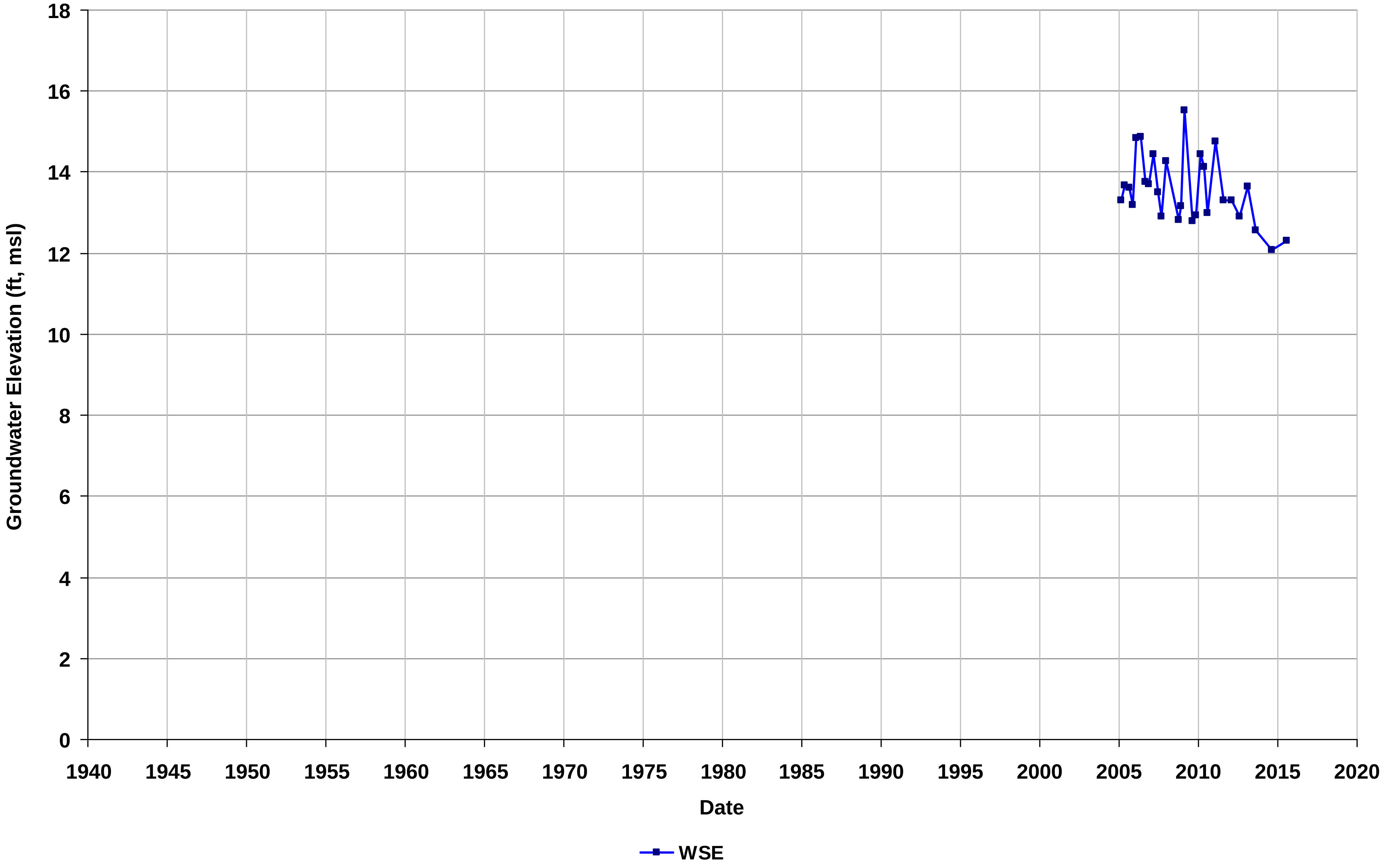
Well Name: SL20260878-MW-15B
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 21
Perf. Interval (ft bgs): 12.79-23
T/R/S: 02S/03W/34
Well Use: Observation



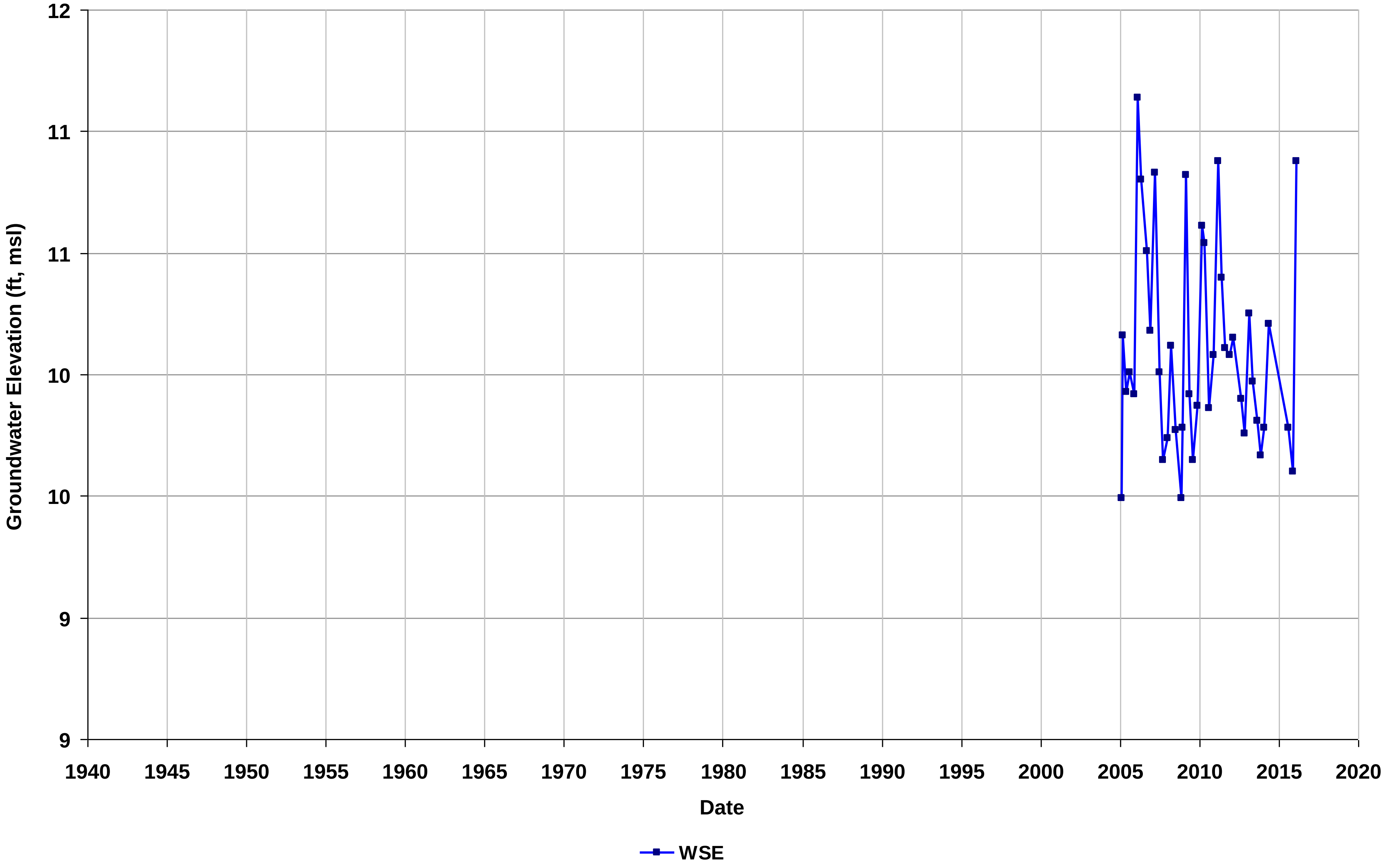
Well Name: SL20260878-MW-16A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 21
Perf. Interval (ft bgs): 5.71-16
T/R/S: 02S/03W/34
Well Use: Observation



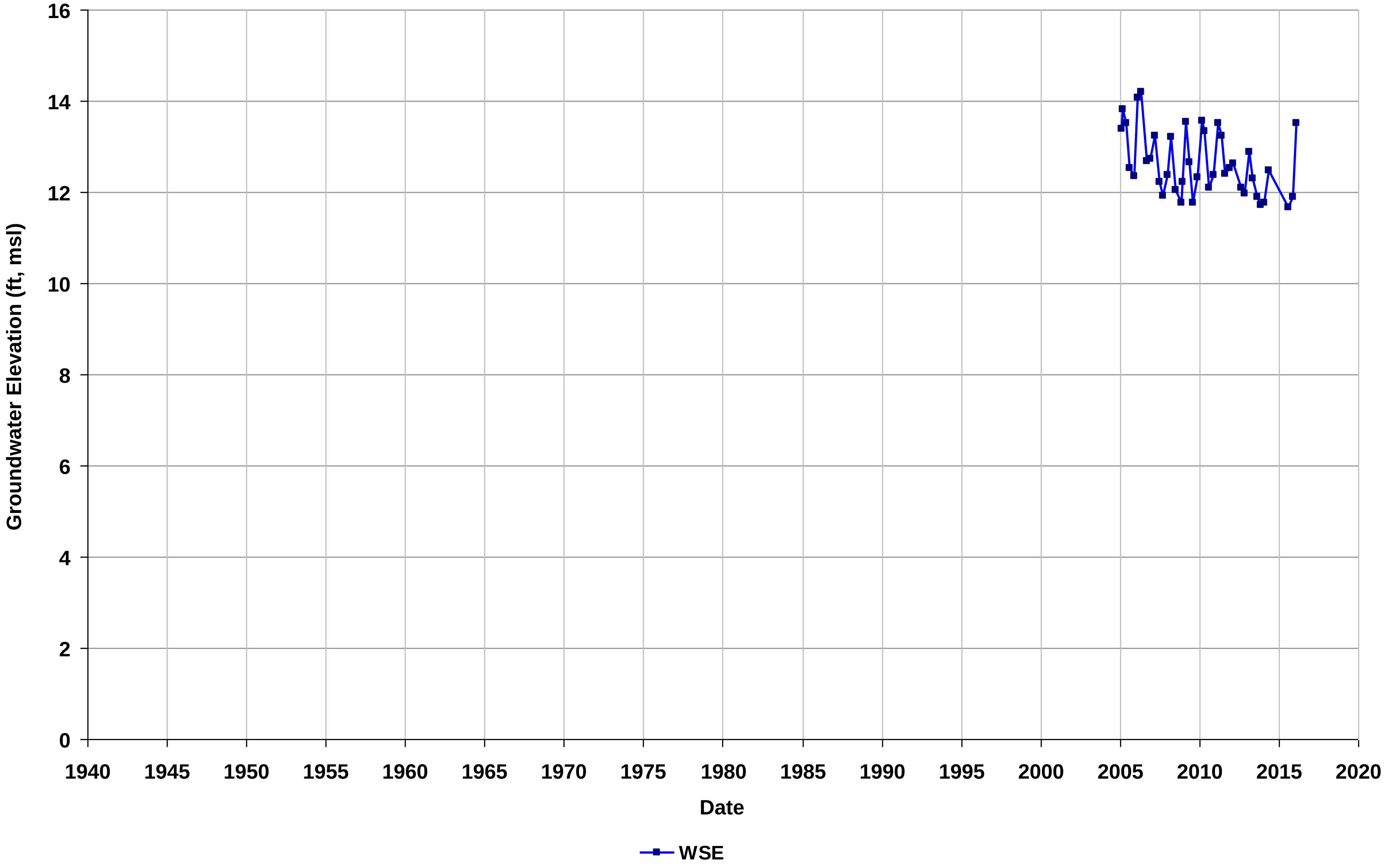
Well Name: SL20260878-MW-17A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 16
Perf. Interval (ft bgs): 10.46-20
T/R/S: 02S/03W/34
Well Use: Observation



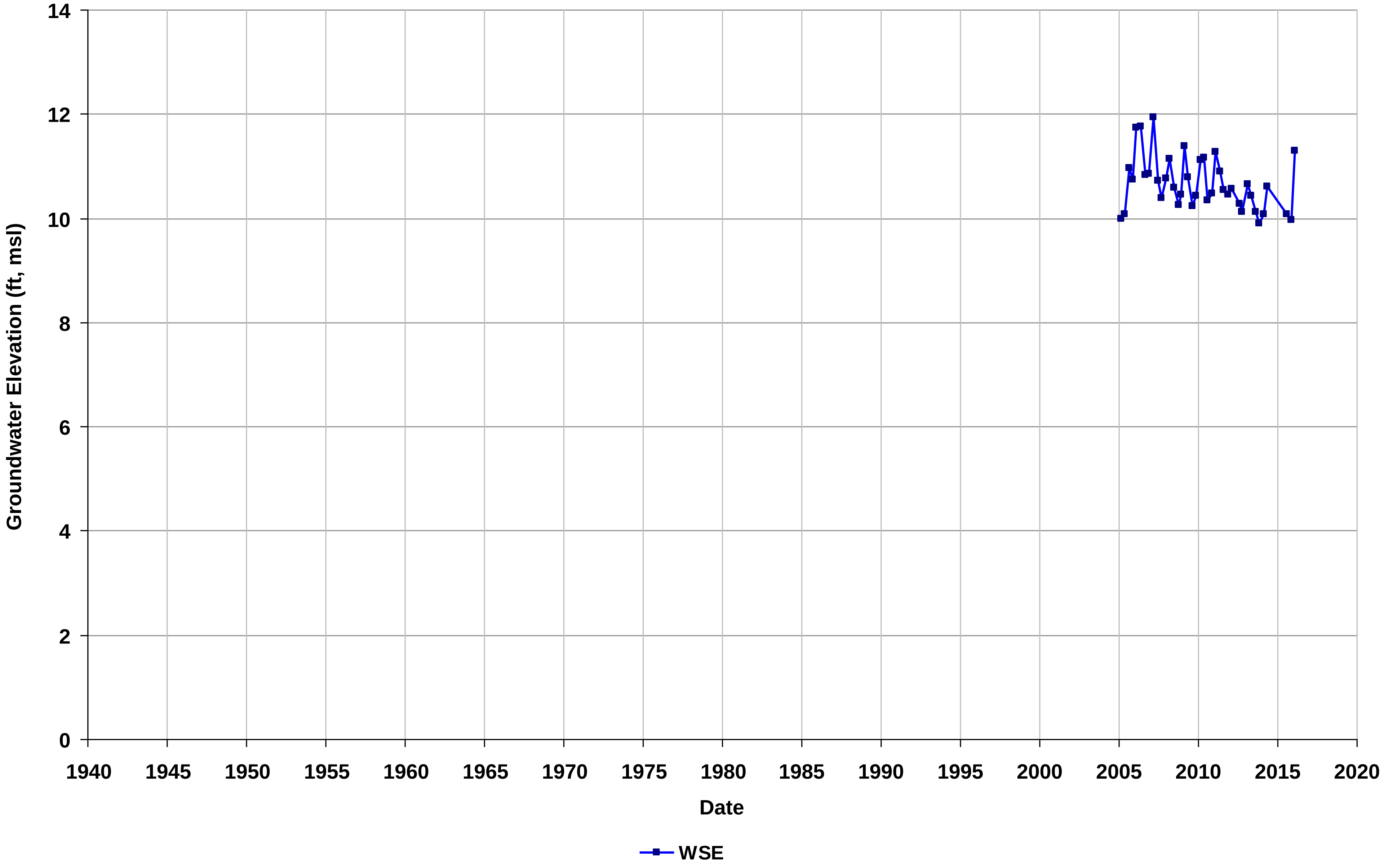
Well Name: SL20260878-MW-17C
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 16
Perf. Interval (ft bgs): 5.51-16
T/R/S: 02S/03W/34
Well Use: Observation



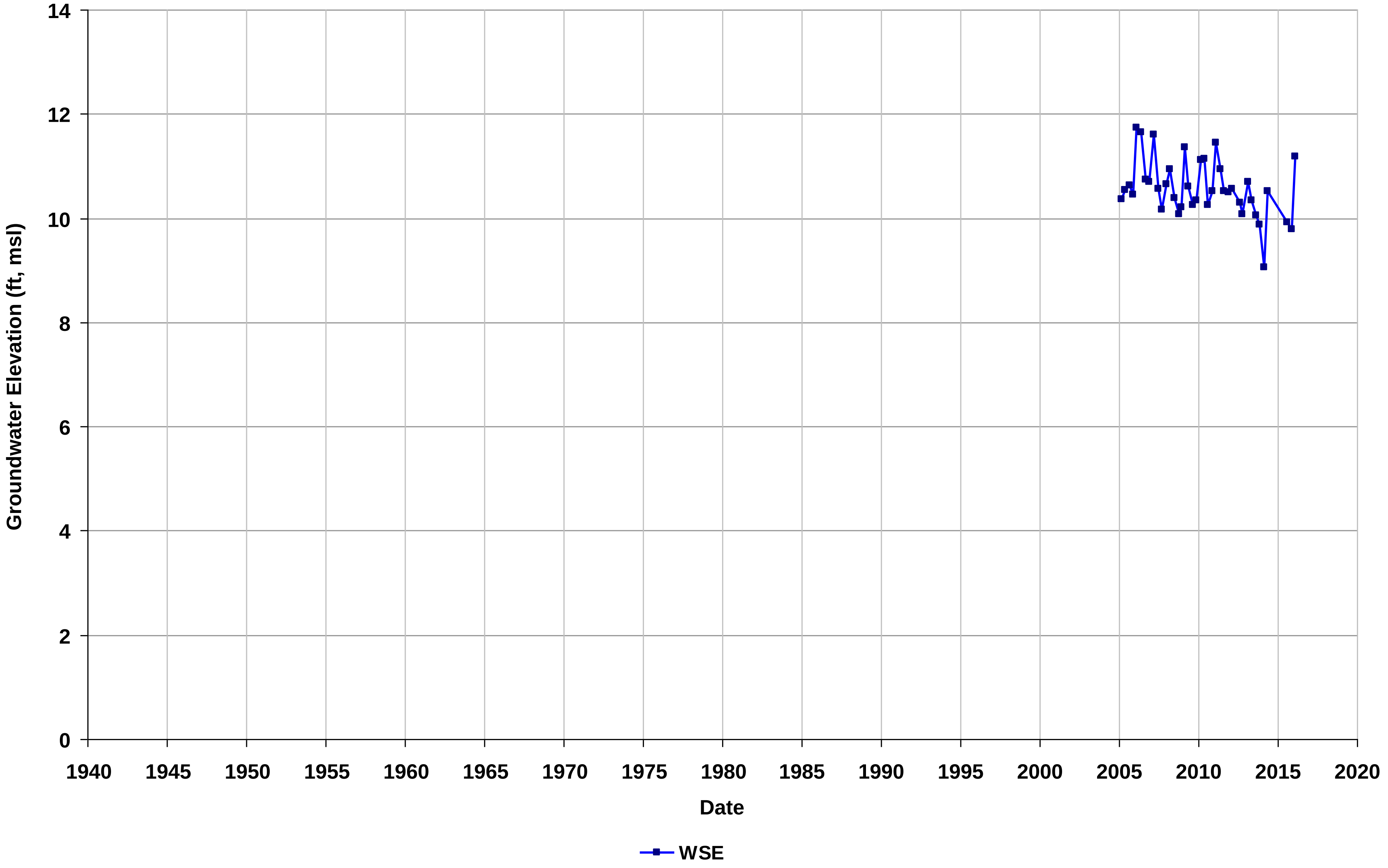
Well Name: SL20260878-MW-18A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 18
Perf. Interval (ft bgs): 14.22-24
T/R/S: 02S/03W/34
Well Use: Observation



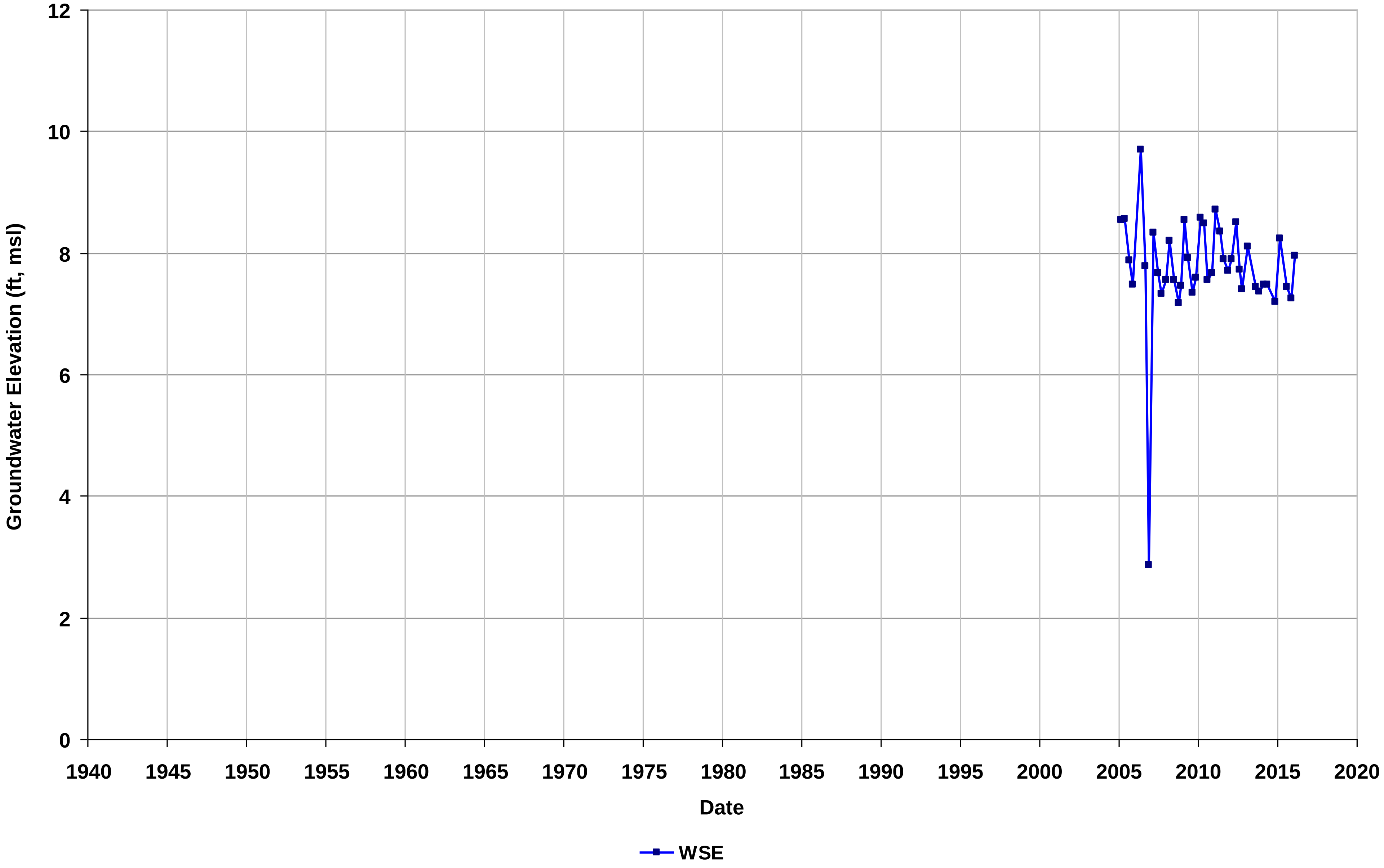
Well Name: SL20260878-MW-18B
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 18
Perf. Interval (ft bgs): 5.45-15
T/R/S: 02S/03W/34
Well Use: Observation



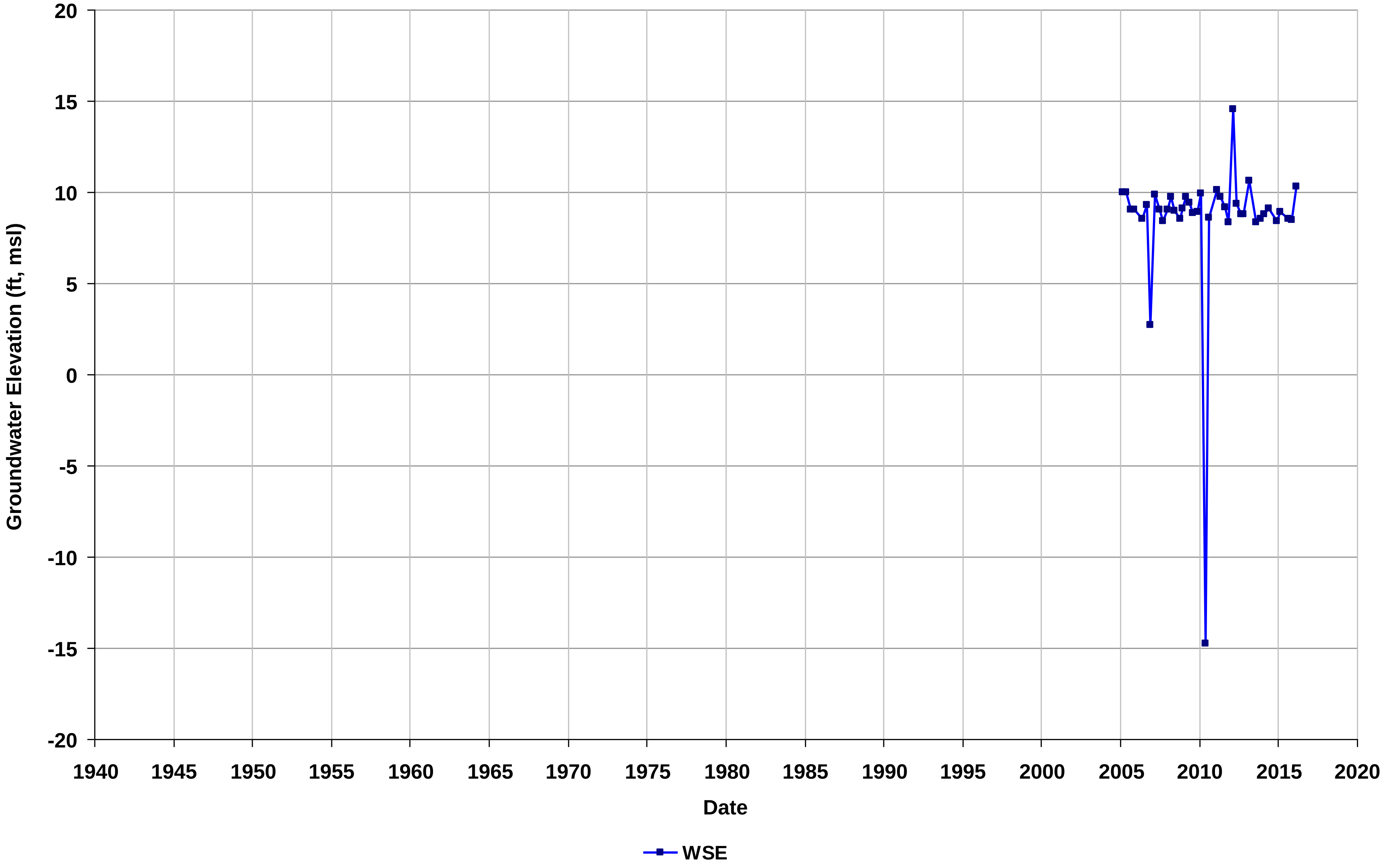
Well Name: SL20260878-MW-19A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 15
Perf. Interval (ft bgs): 18.36-28
T/R/S: 03S/03W/03
Well Use: Observation



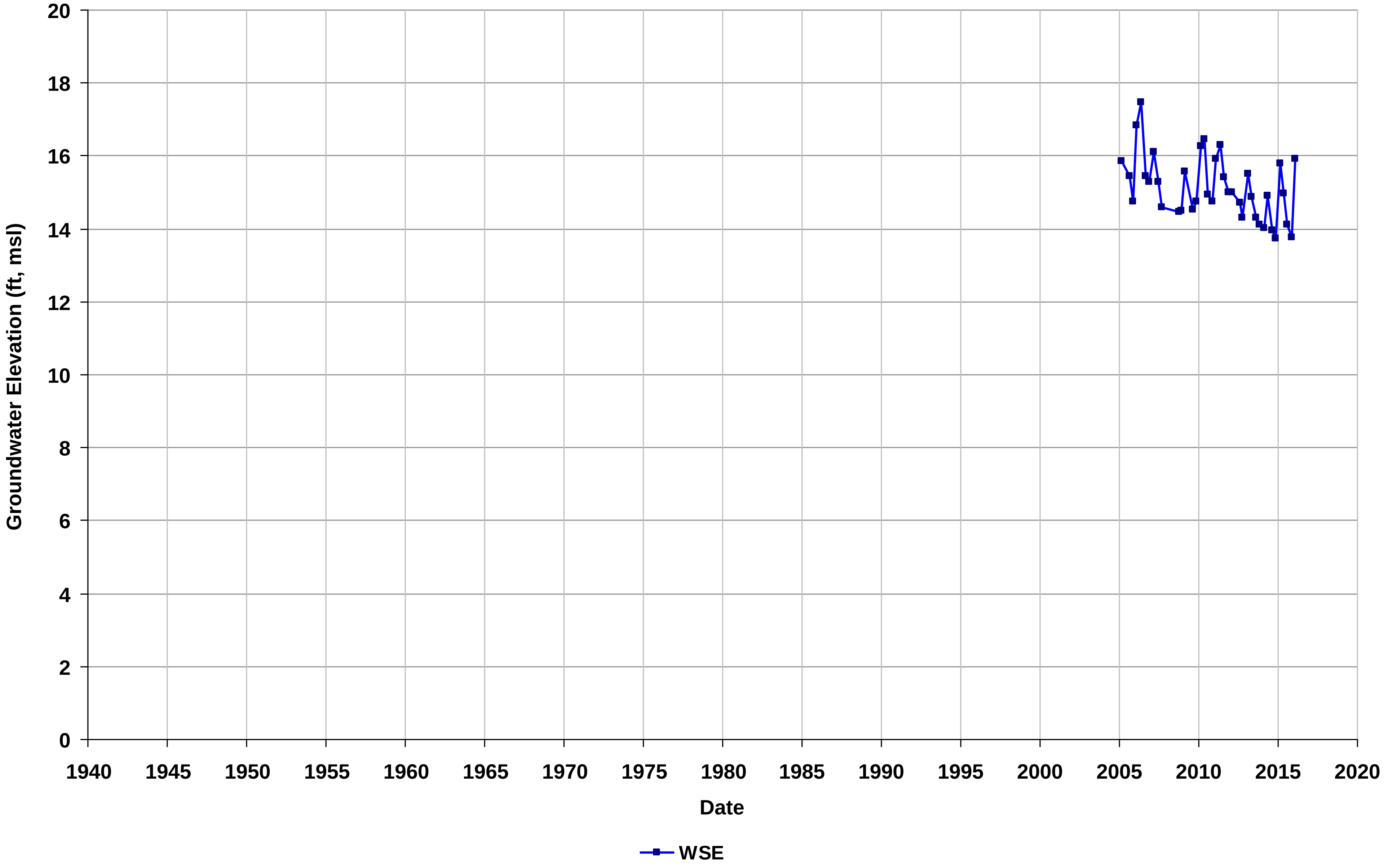
Well Name: SL20260878-MW-19B
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 15
Perf. Interval (ft bgs):
T/R/S: 03S/03W/03
Well Use: Observation



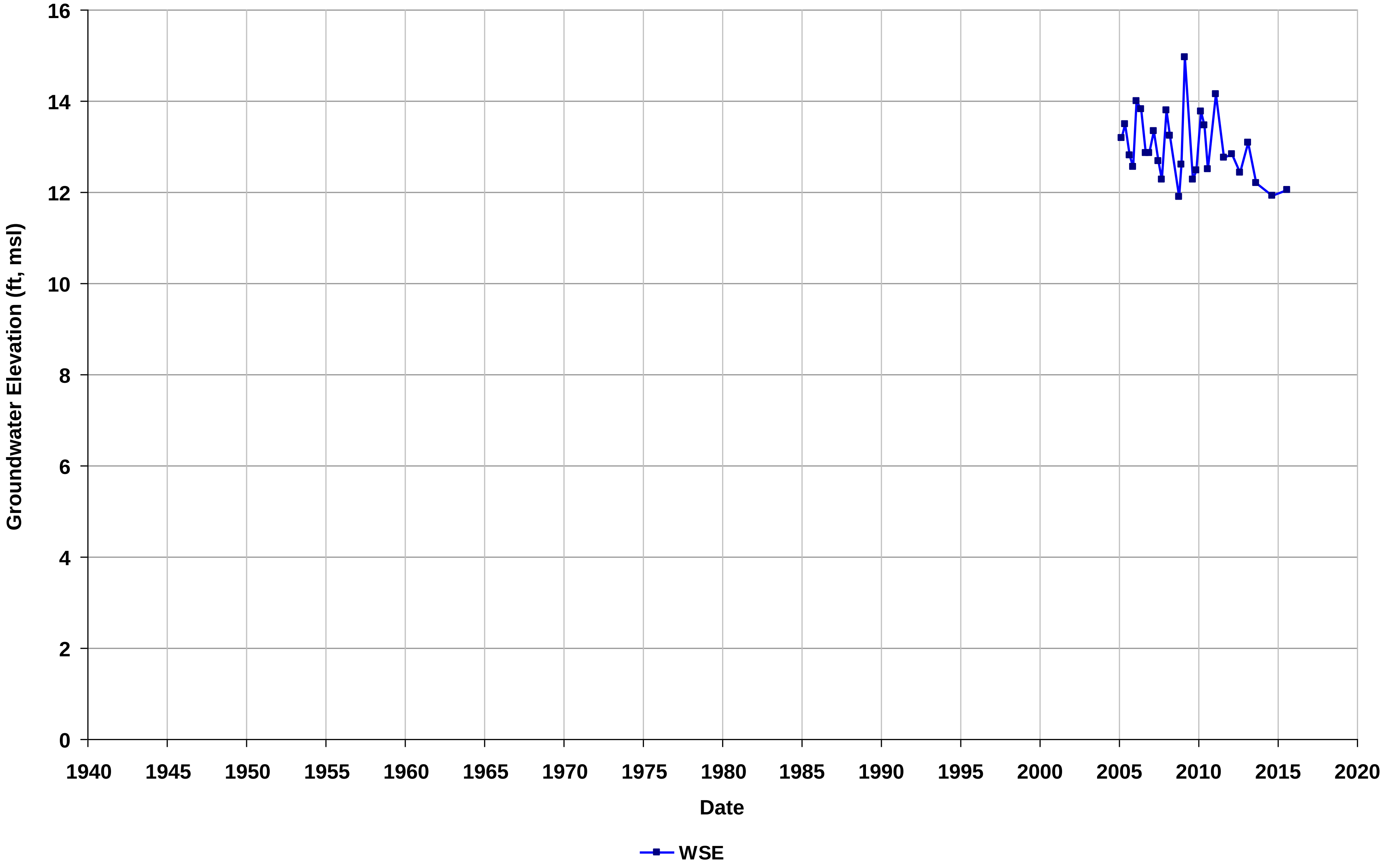
Well Name: SL20260878-MW-20B
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 26
Perf. Interval (ft bgs): 3.7-12
T/R/S: 02S/03W/34
Well Use: Observation



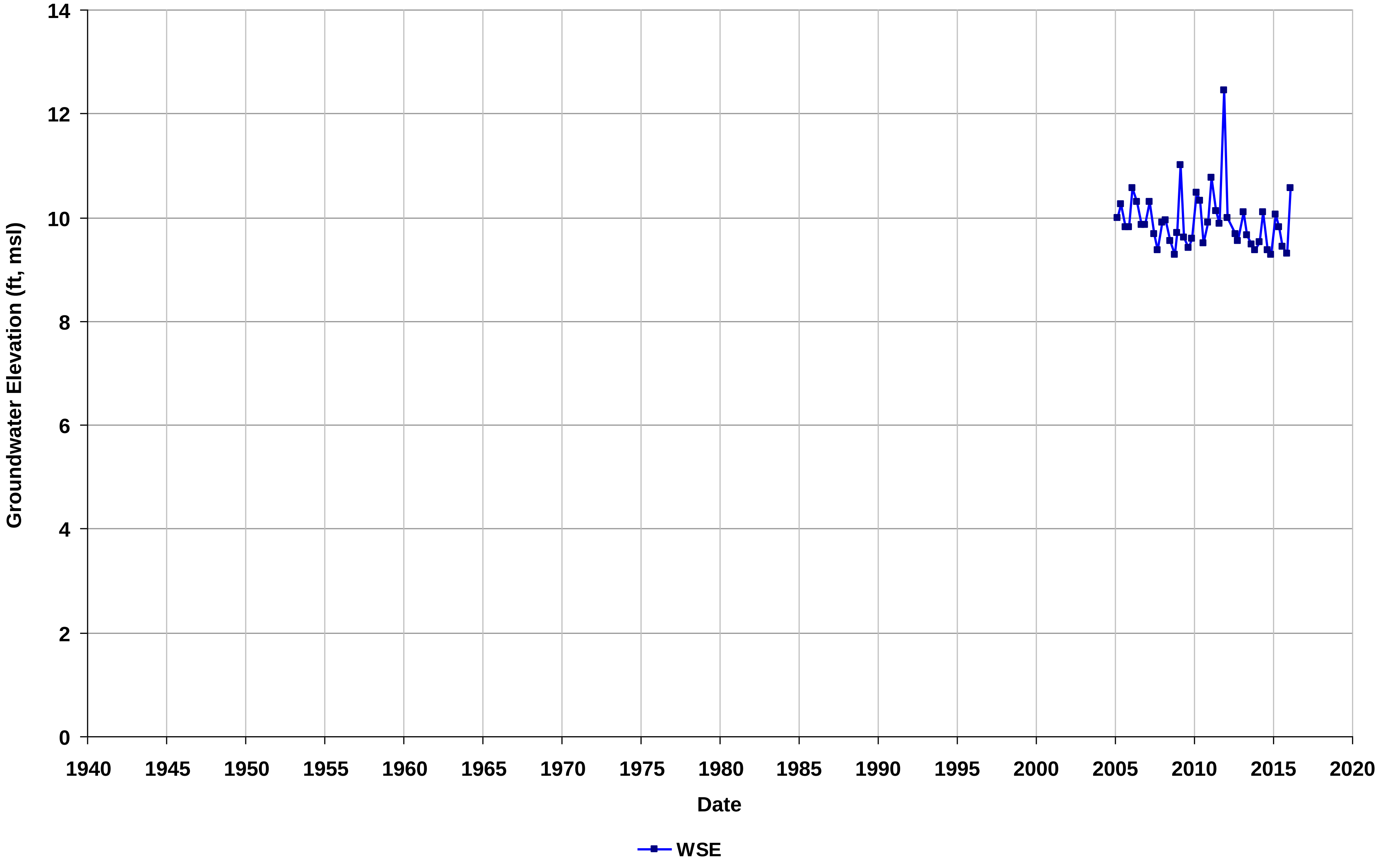
Well Name: SL20260878-MW-21B
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 18
Perf. Interval (ft bgs): 7.46-13
T/R/S: 02S/03W/34
Well Use: Observation



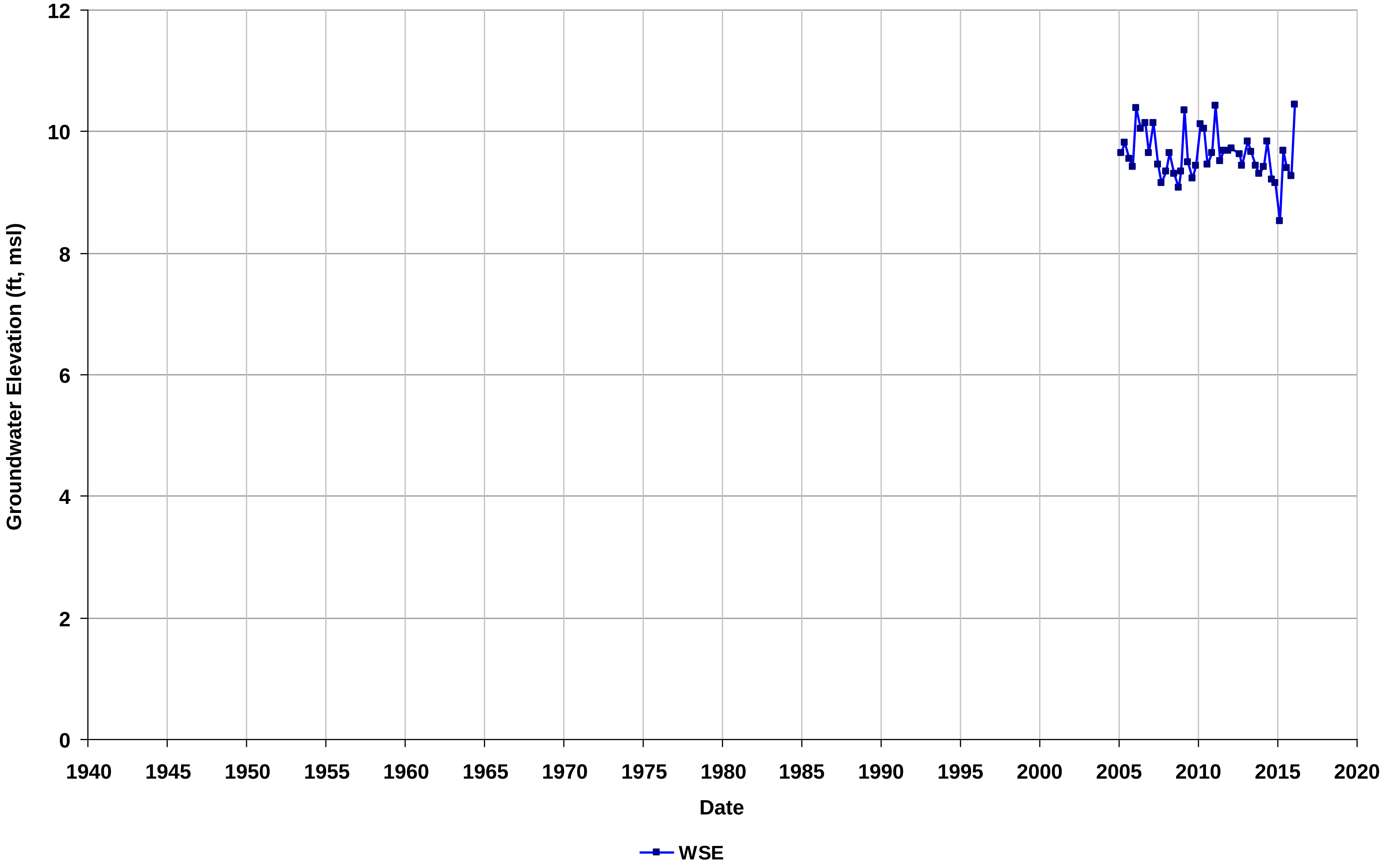
Well Name: SL20260878-MW-22B
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 16
Perf. Interval (ft bgs): 7.97-20
T/R/S: 02S/03W/34
Well Use: Observation



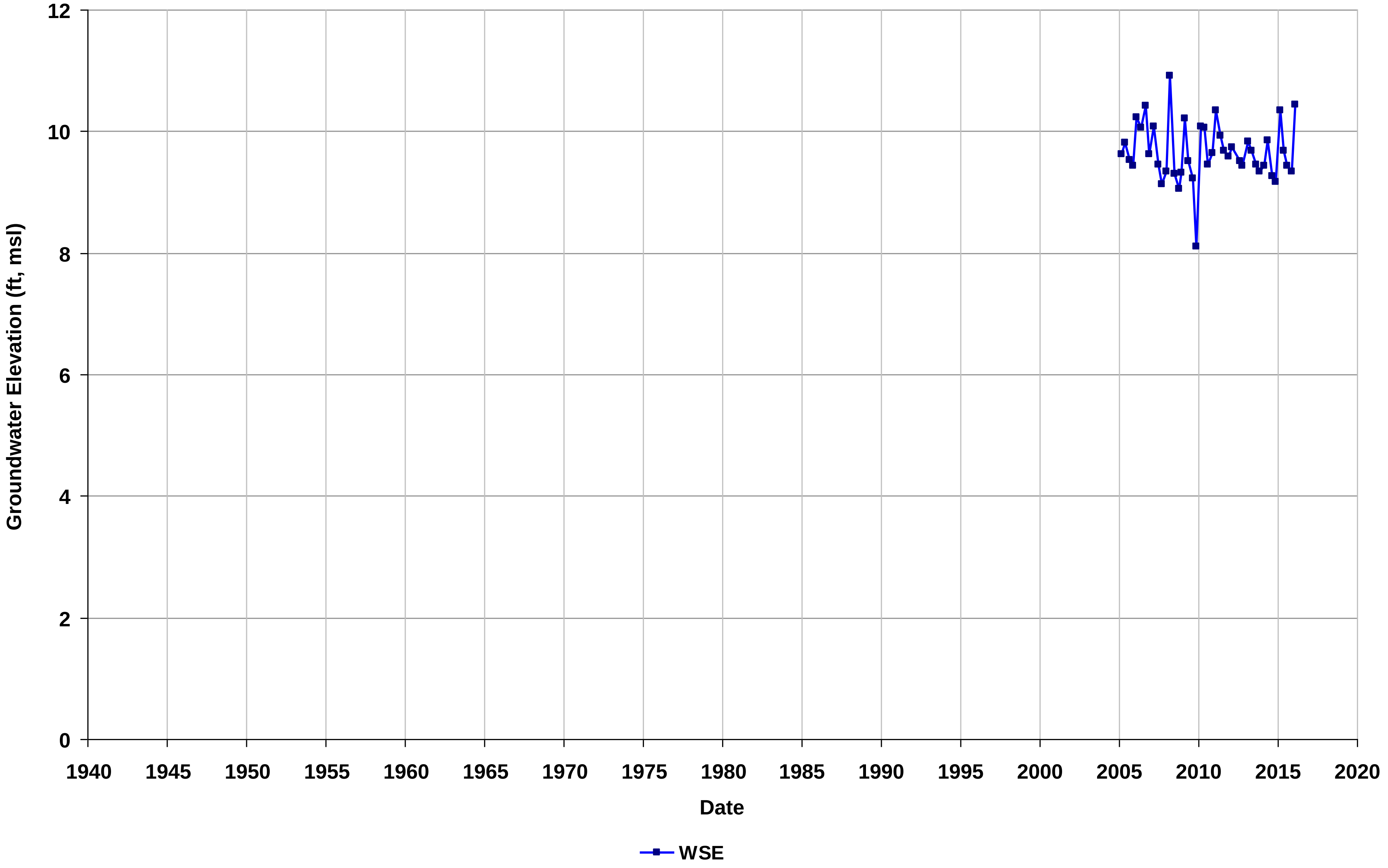
Well Name: SL20260878-MW-23B
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 16
Perf. Interval (ft bgs): 12.27-27
T/R/S: 02S/03W/34
Well Use: Observation



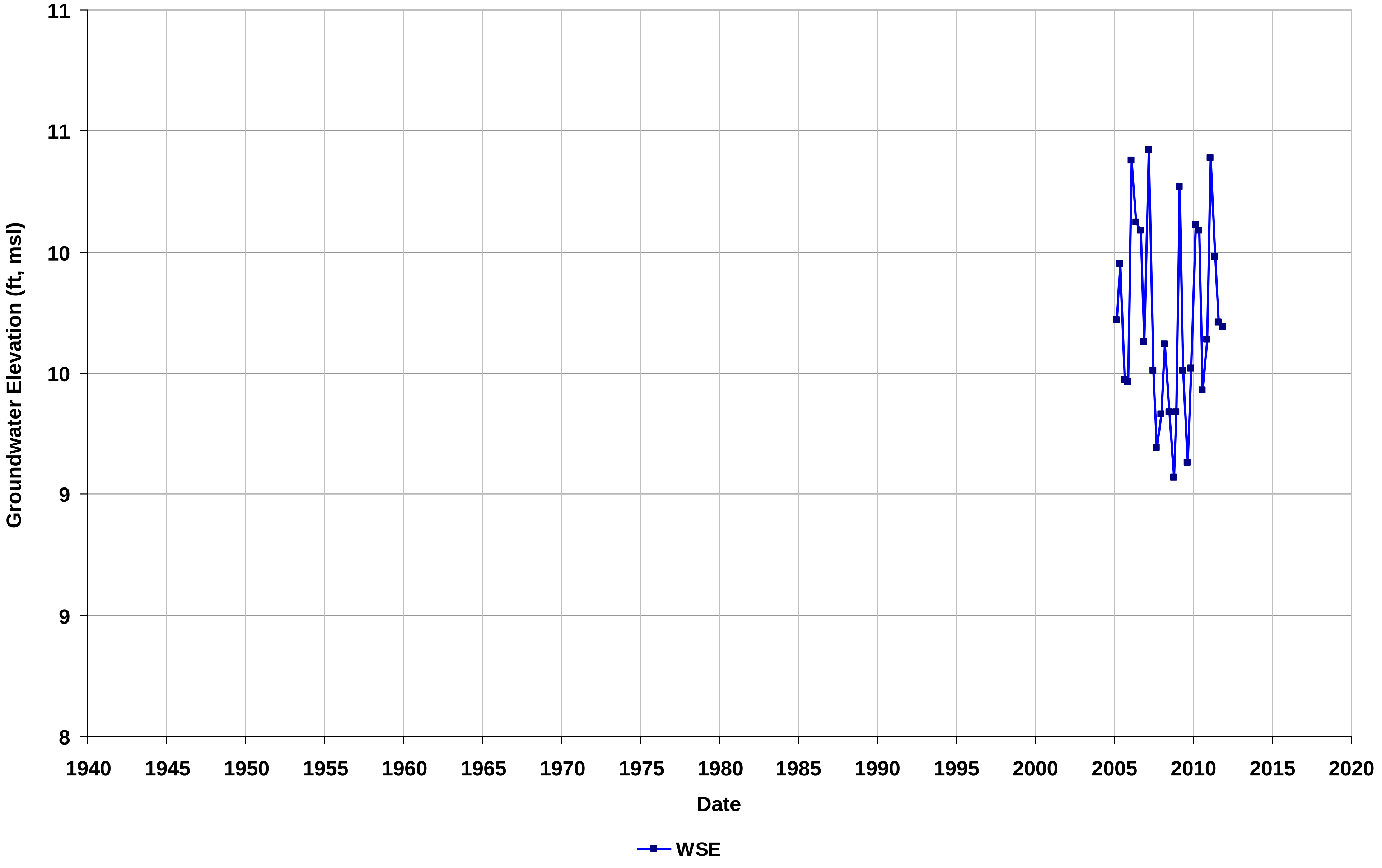
Well Name: SL20260878-MW-24A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 17
Perf. Interval (ft bgs): 9.47-19
T/R/S: 02S/03W/34
Well Use: Observation



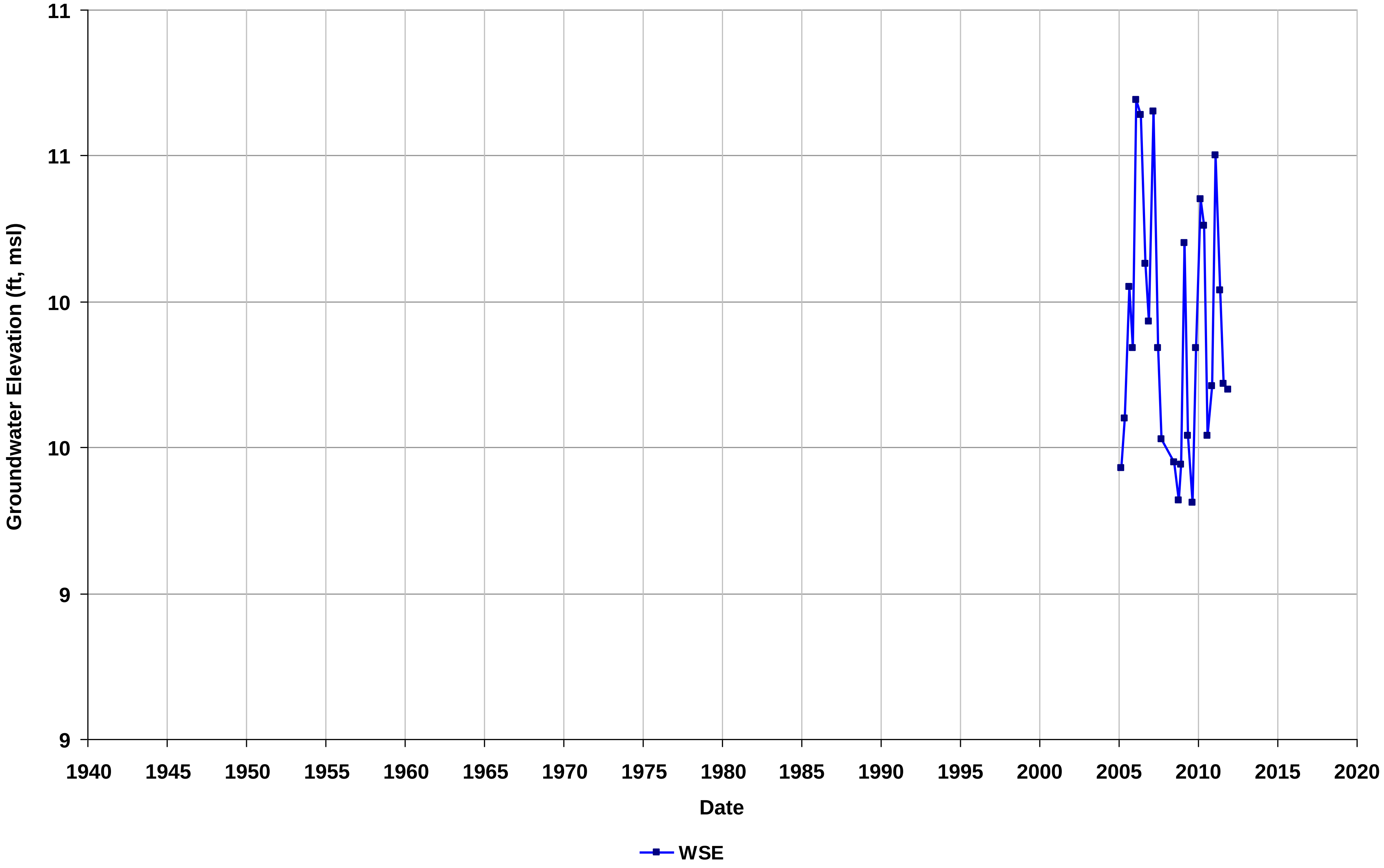
Well Name: SL20260878-MW-24B
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 36
Perf. Interval (ft bgs): 6.35-21
T/R/S: 02S/03W/34
Well Use: Observation



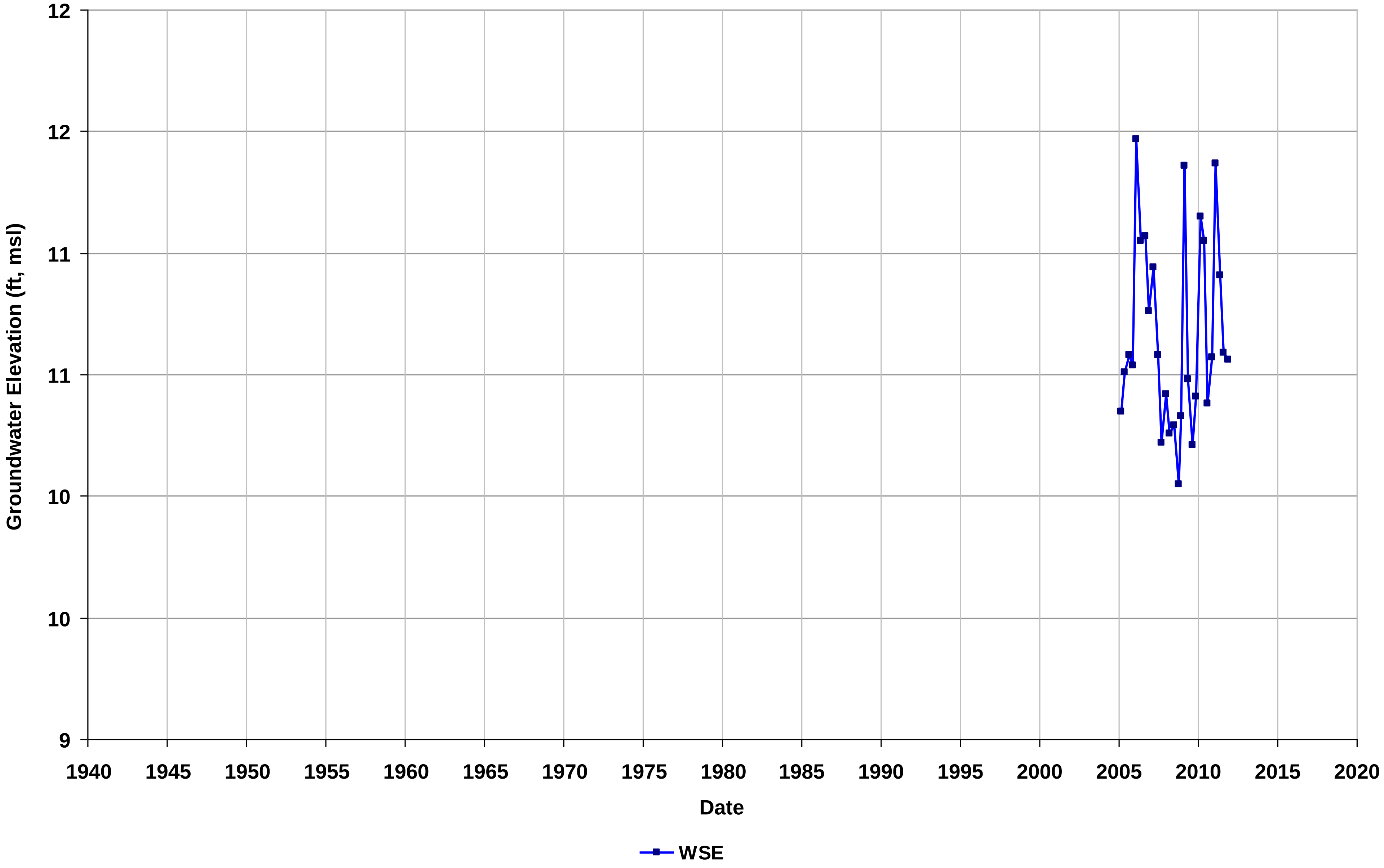
Well Name: SL20260878-MW-25A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 25
Perf. Interval (ft bgs): 7.56-18
T/R/S: 02S/03W/34
Well Use: Observation



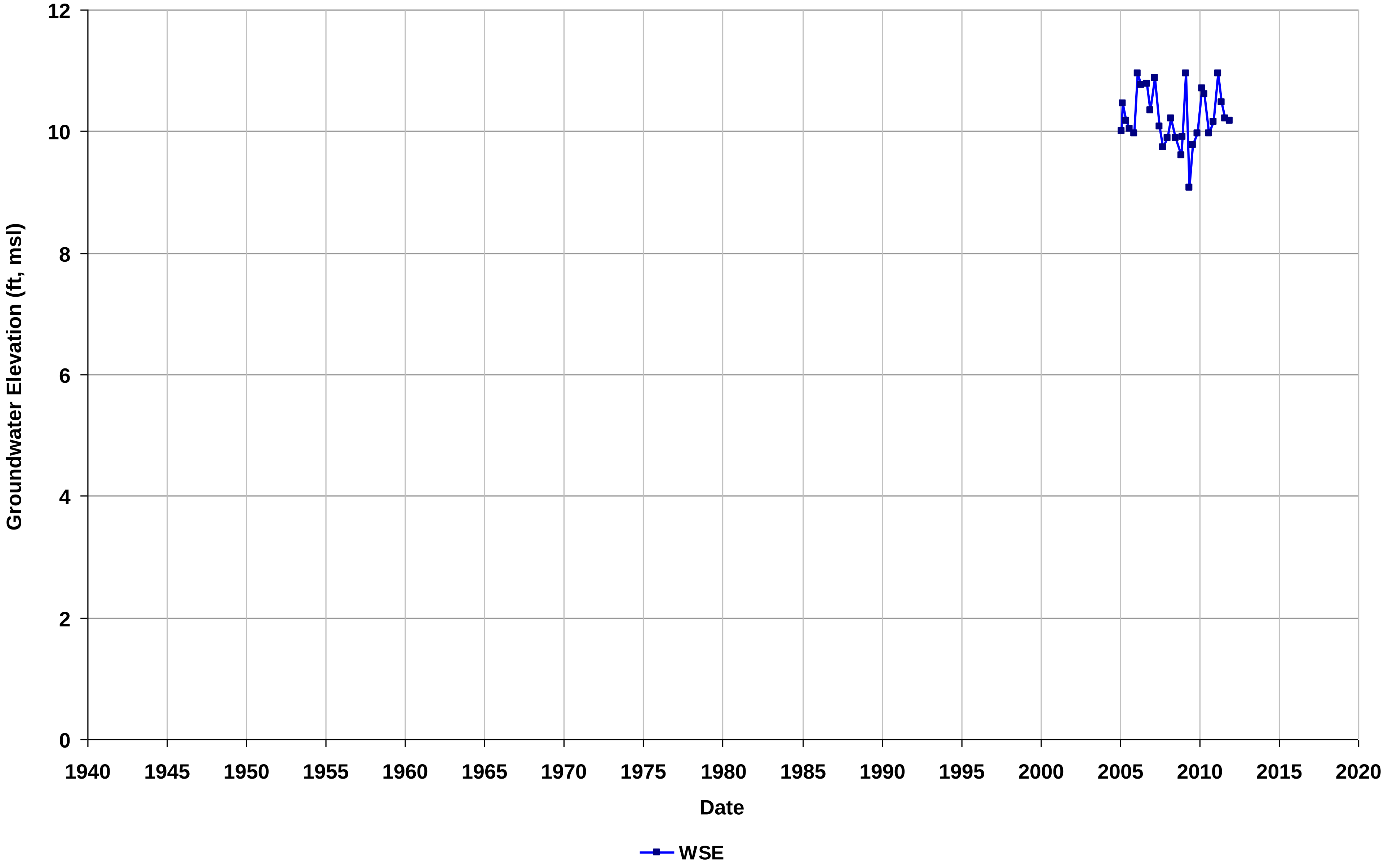
Well Name: SL20260878-MW-25B
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 33
Perf. Interval (ft bgs): 9.28-19
T/R/S: 02S/03W/34
Well Use: Observation



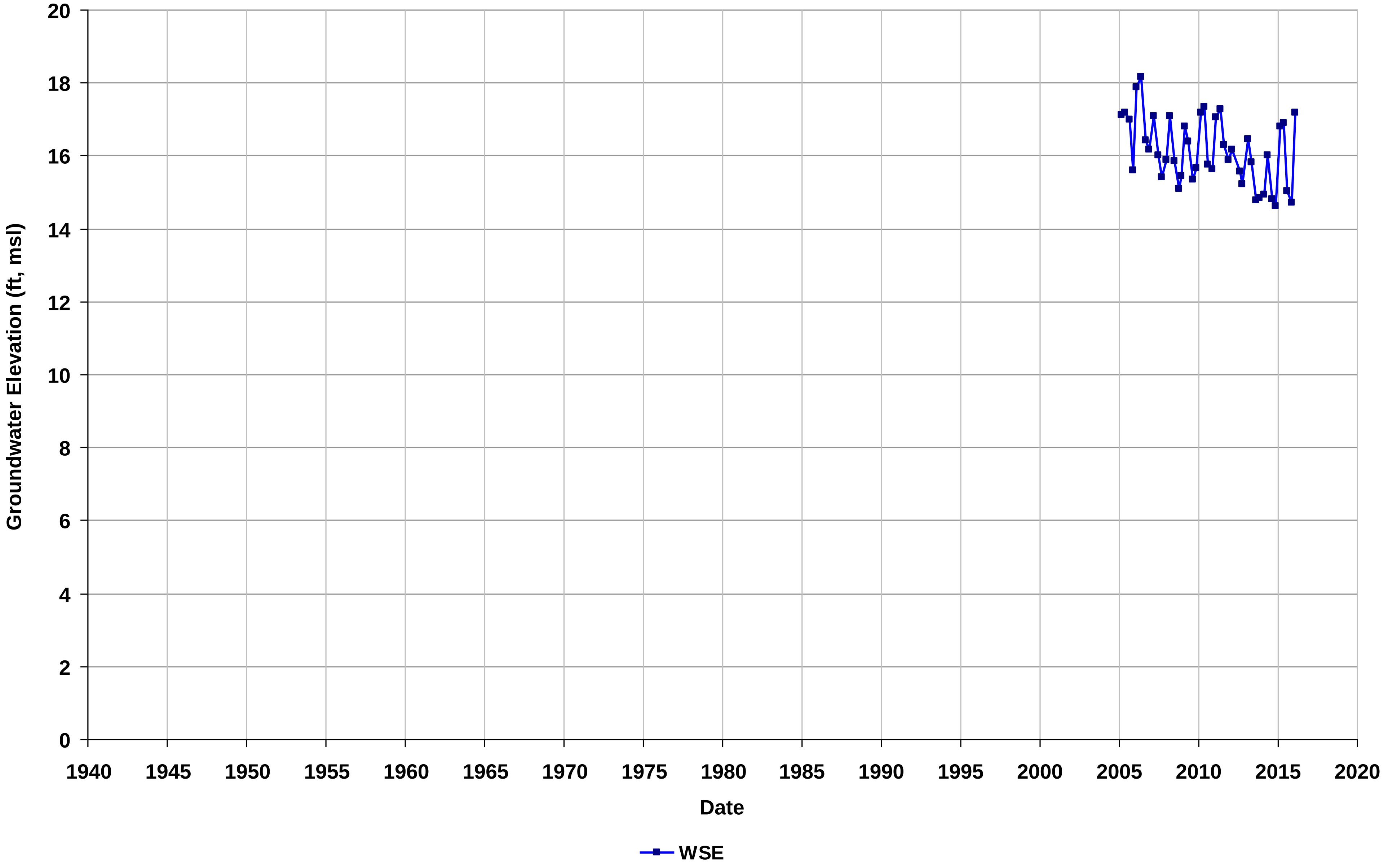
Well Name: SL20260878-MW-26B
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 35
Perf. Interval (ft bgs): 16.45-31
T/R/S: 02S/03W/34
Well Use: Observation



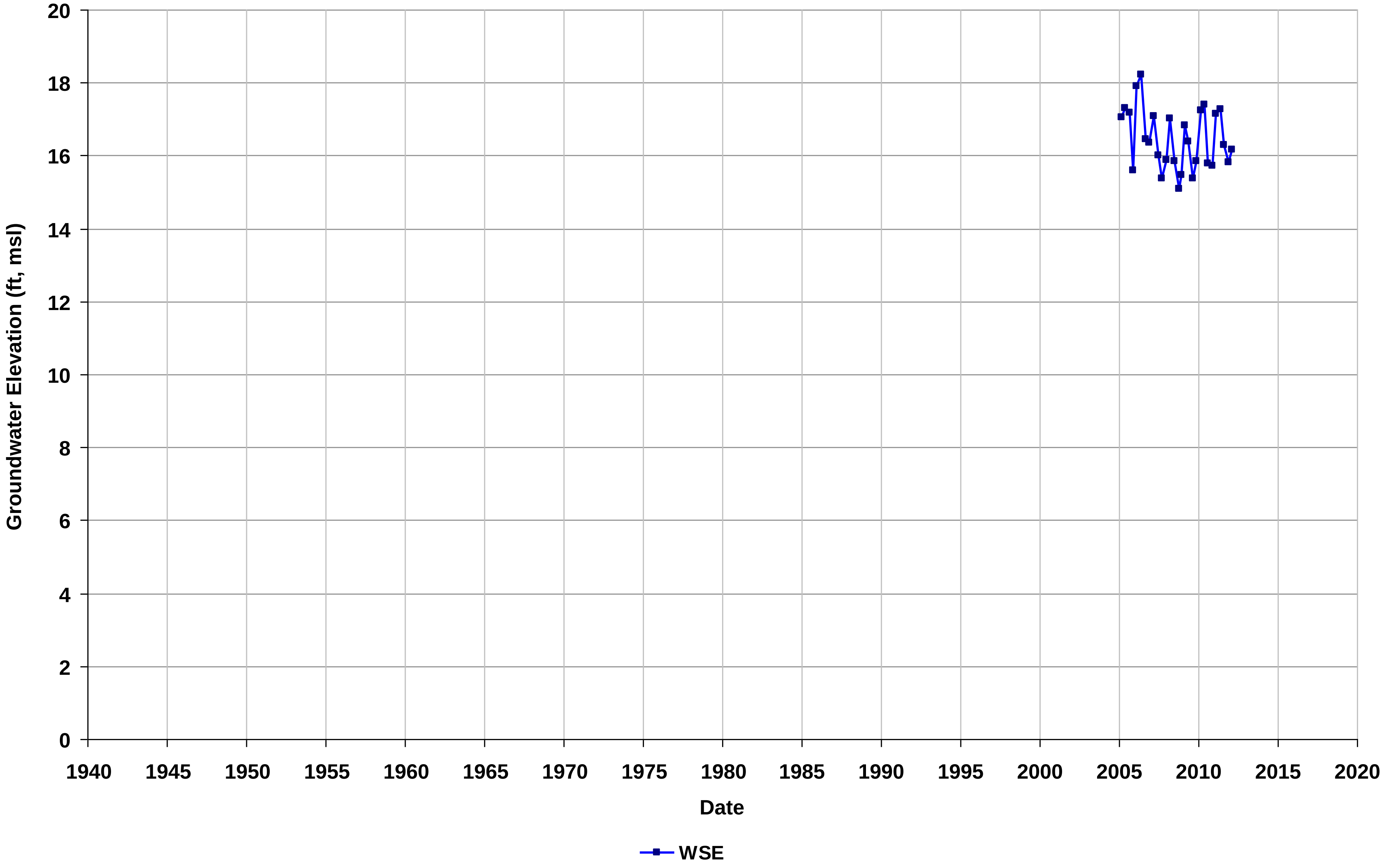
Well Name: SL20260878-MW-27A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 26
Perf. Interval (ft bgs):
T/R/S: 02S/03W/34
Well Use: Observation



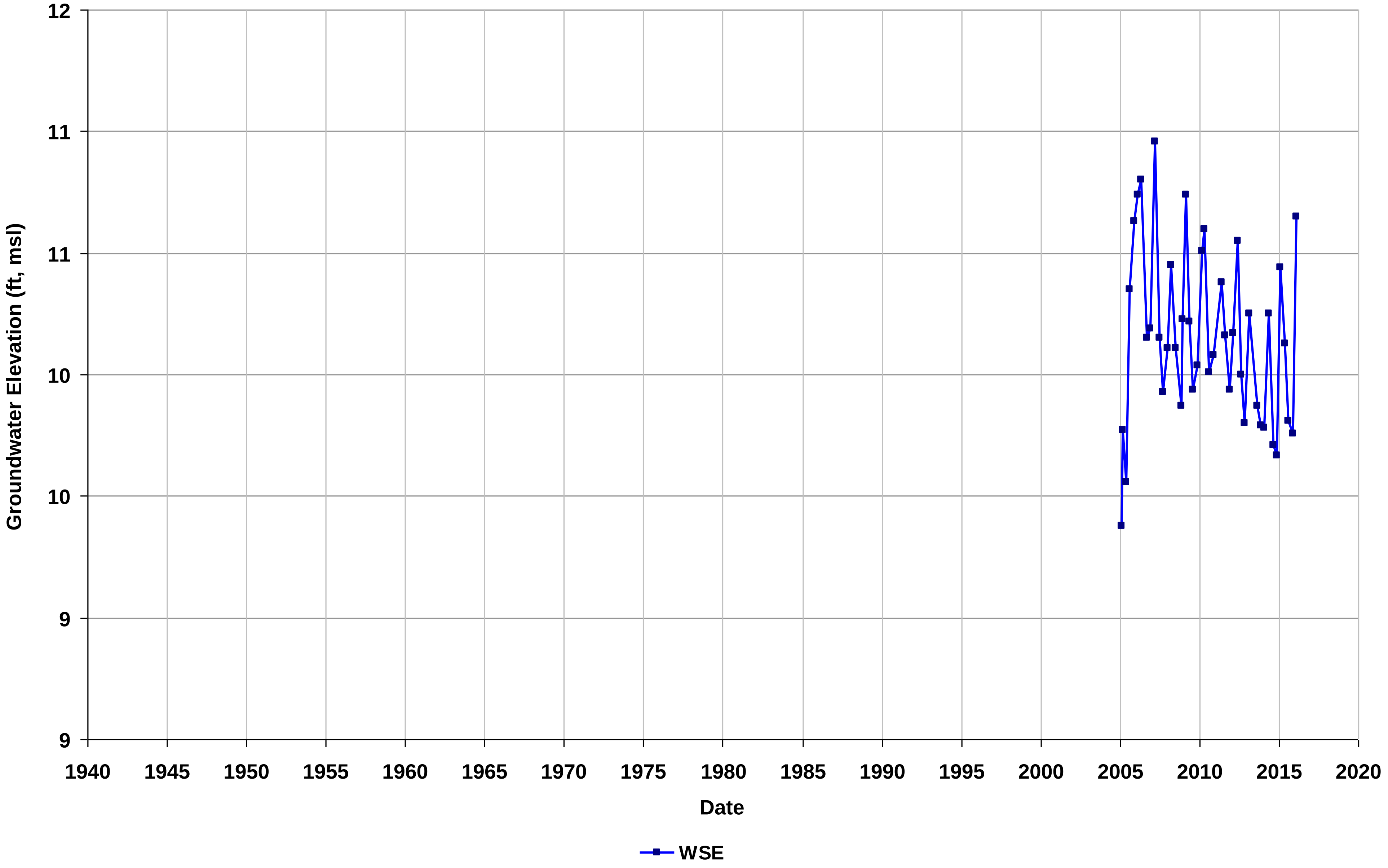
Well Name: SL20260878-MW-28A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 27
Perf. Interval (ft bgs): 5.97-21
T/R/S: 02S/03W/34
Well Use: Observation



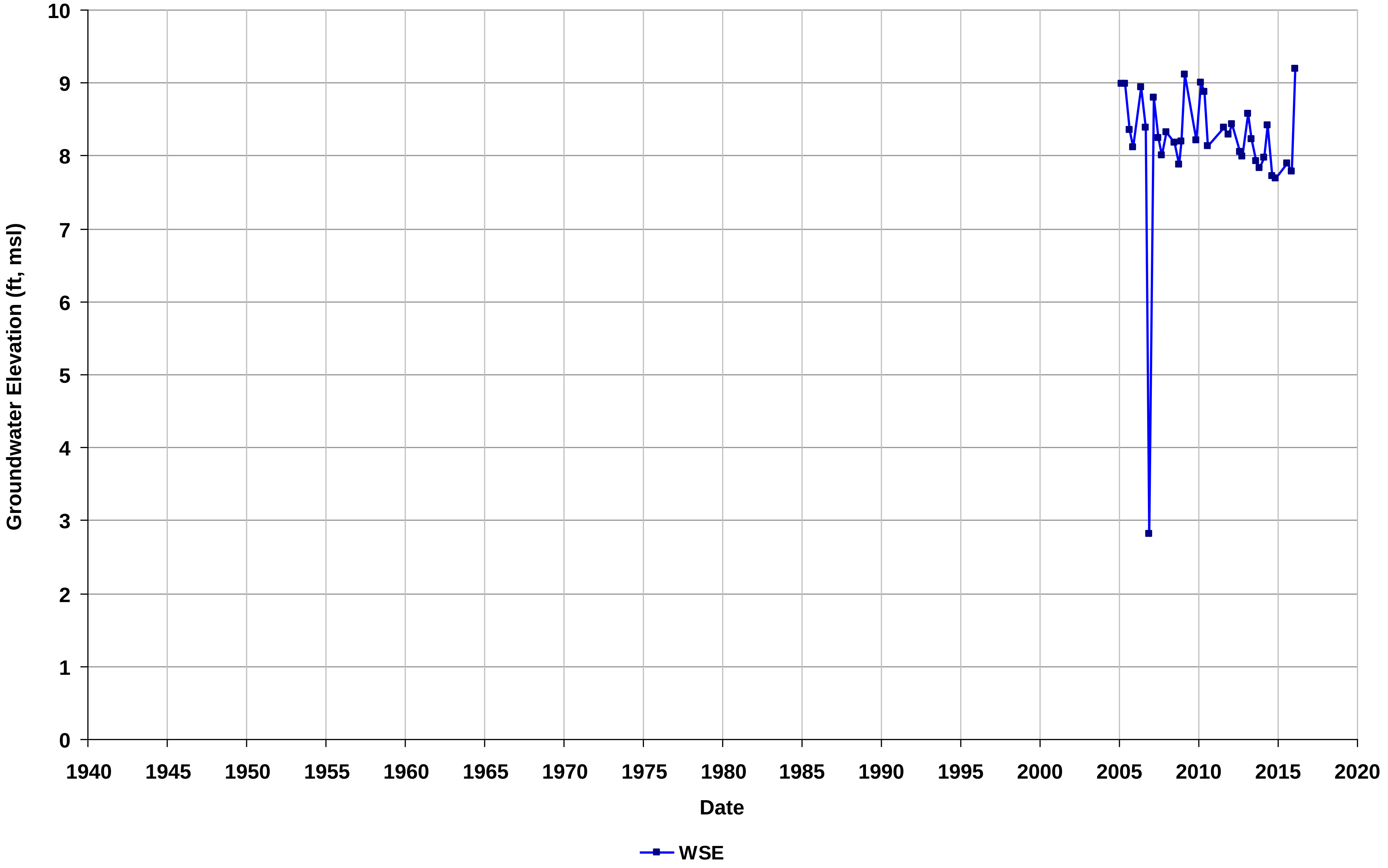
Well Name: SL20260878-MW-30A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 19
Perf. Interval (ft bgs): 11.46-21
T/R/S: 02S/03W/34
Well Use: Observation



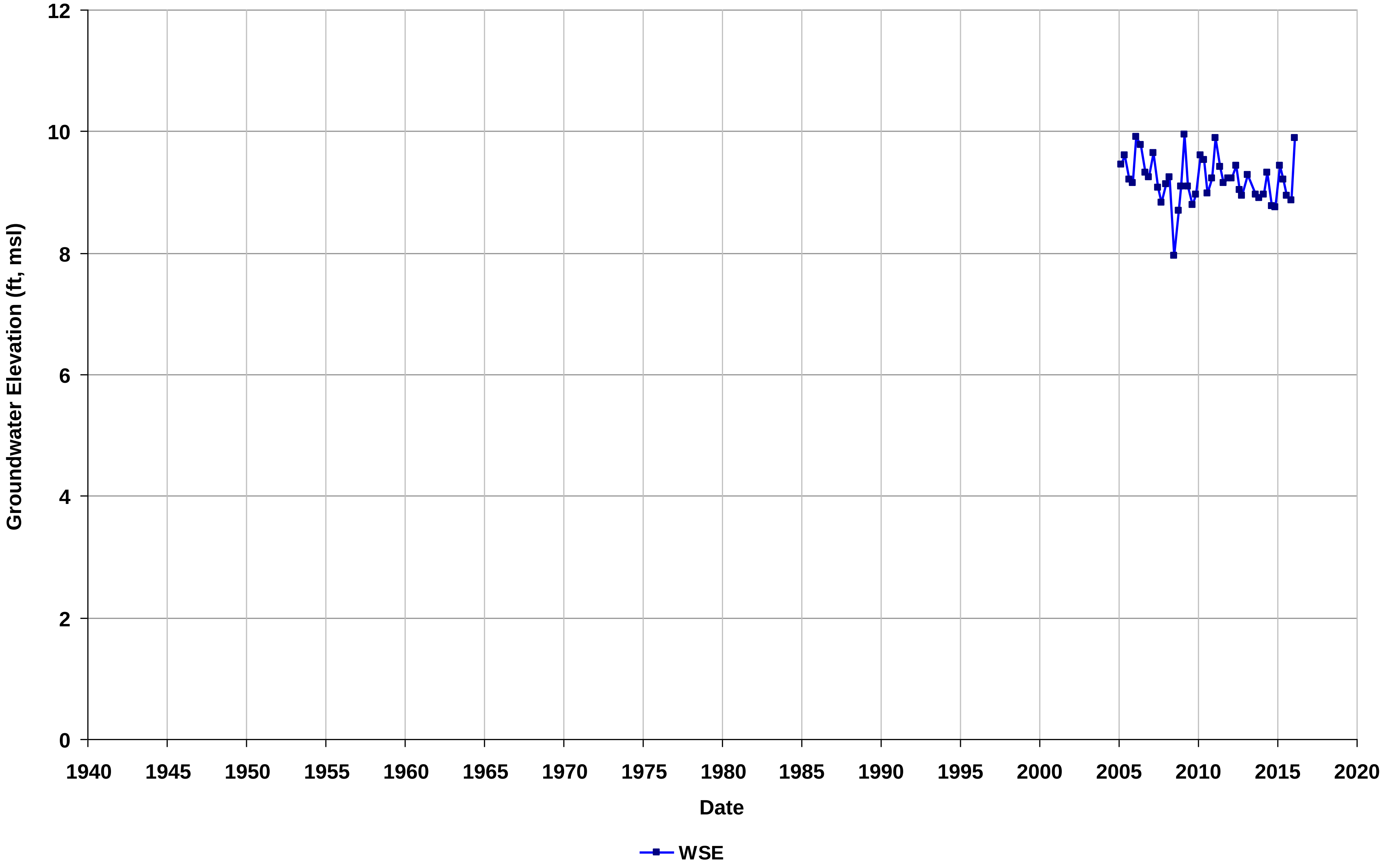
Well Name: SL20260878-MW-31B
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 19
Perf. Interval (ft bgs): 4.55-15
T/R/S: 03S/03W/03
Well Use: Observation



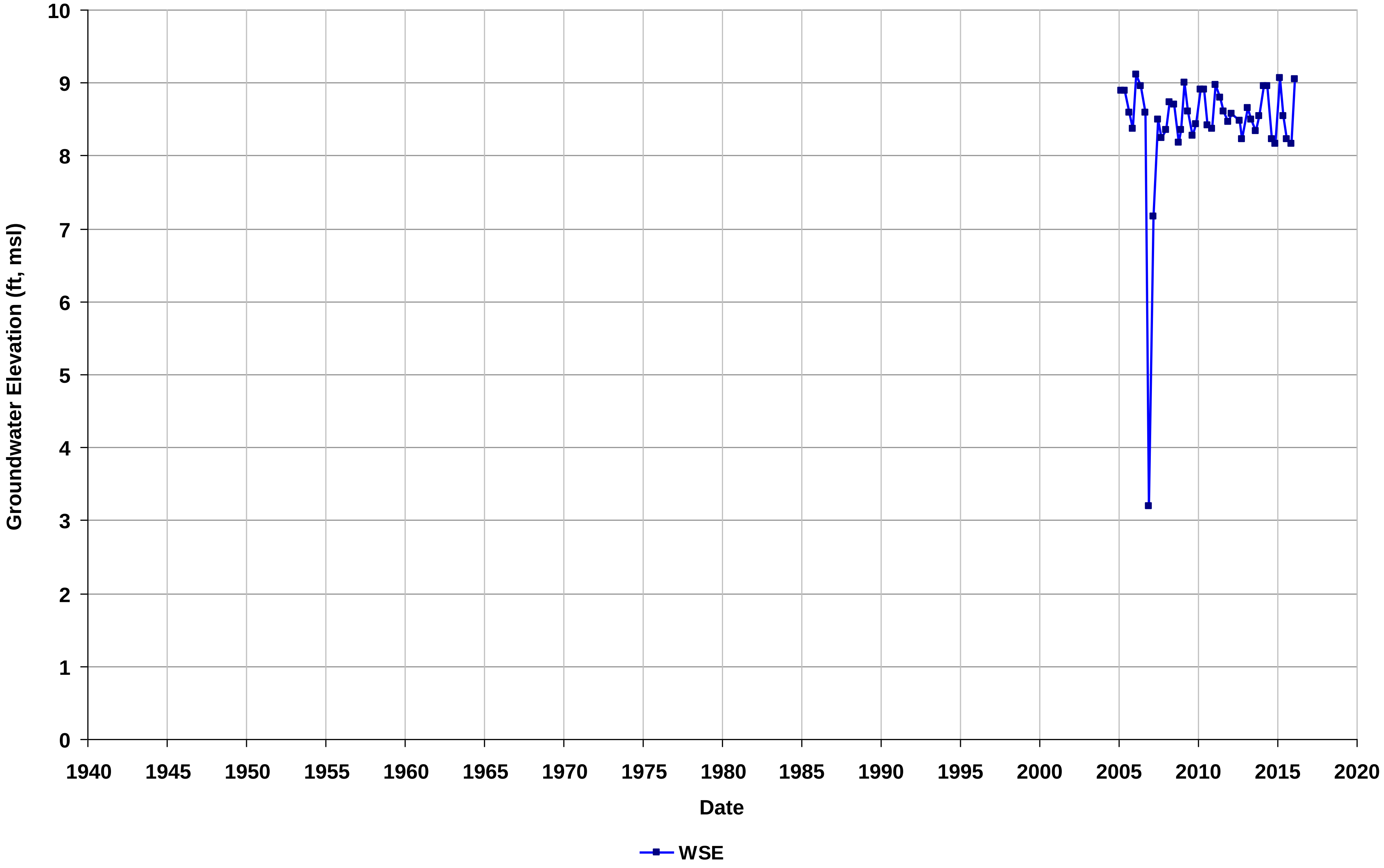
Well Name: SL20260878-MW-32A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 14
Perf. Interval (ft bgs): 7.34-17
T/R/S: 02S/03W/34
Well Use: Observation



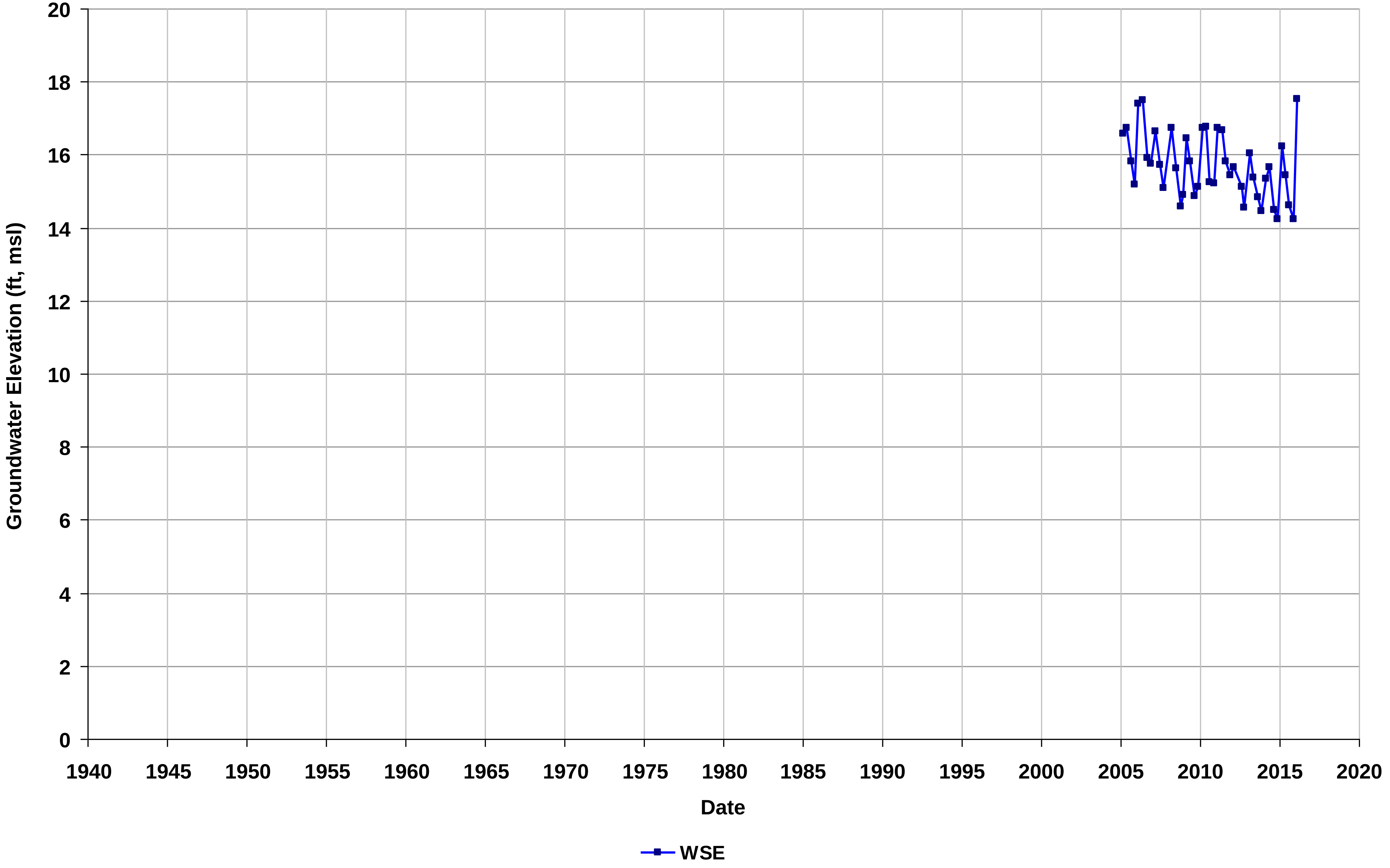
Well Name: SL20260878-MW-33A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 15
Perf. Interval (ft bgs): 16.81-27
T/R/S: 03S/03W/03
Well Use: Observation



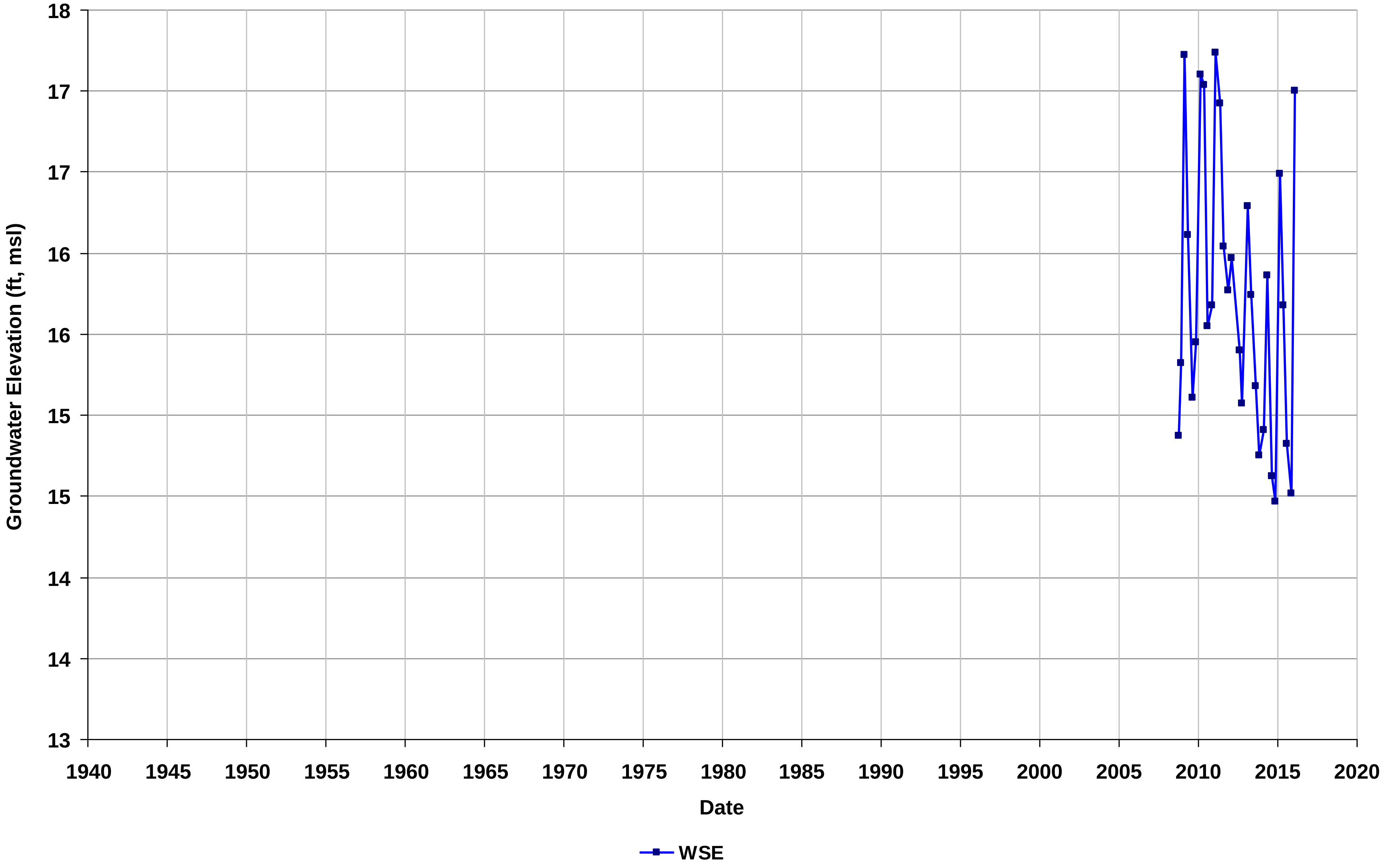
Well Name: SL20260878-MW-34A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 27
Perf. Interval (ft bgs):
T/R/S: 02S/03W/34
Well Use: Observation



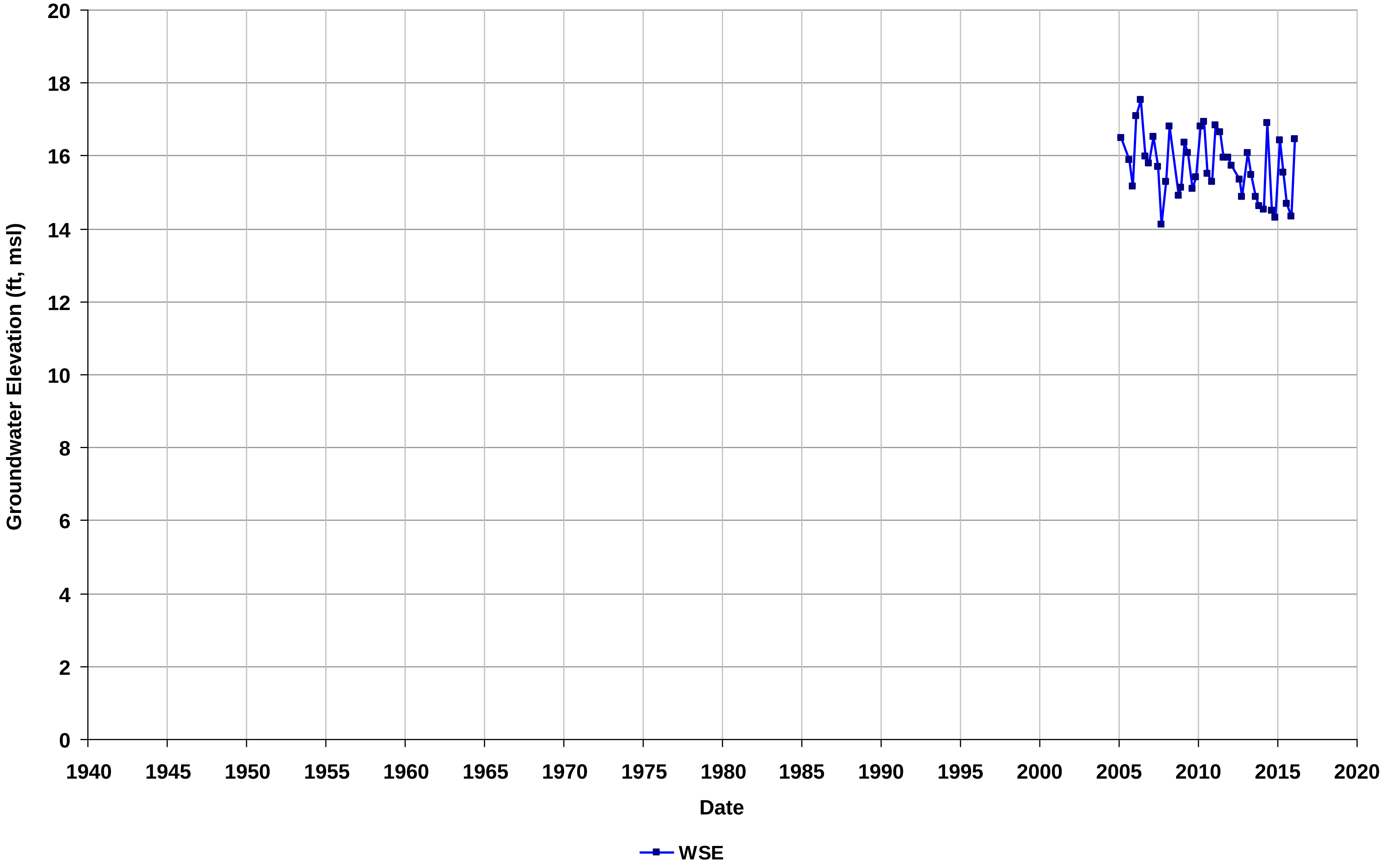
Well Name: SL20260878-MW-34B
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 27
Perf. Interval (ft bgs): 16.5-26
T/R/S: 02S/03W/34
Well Use: Observation



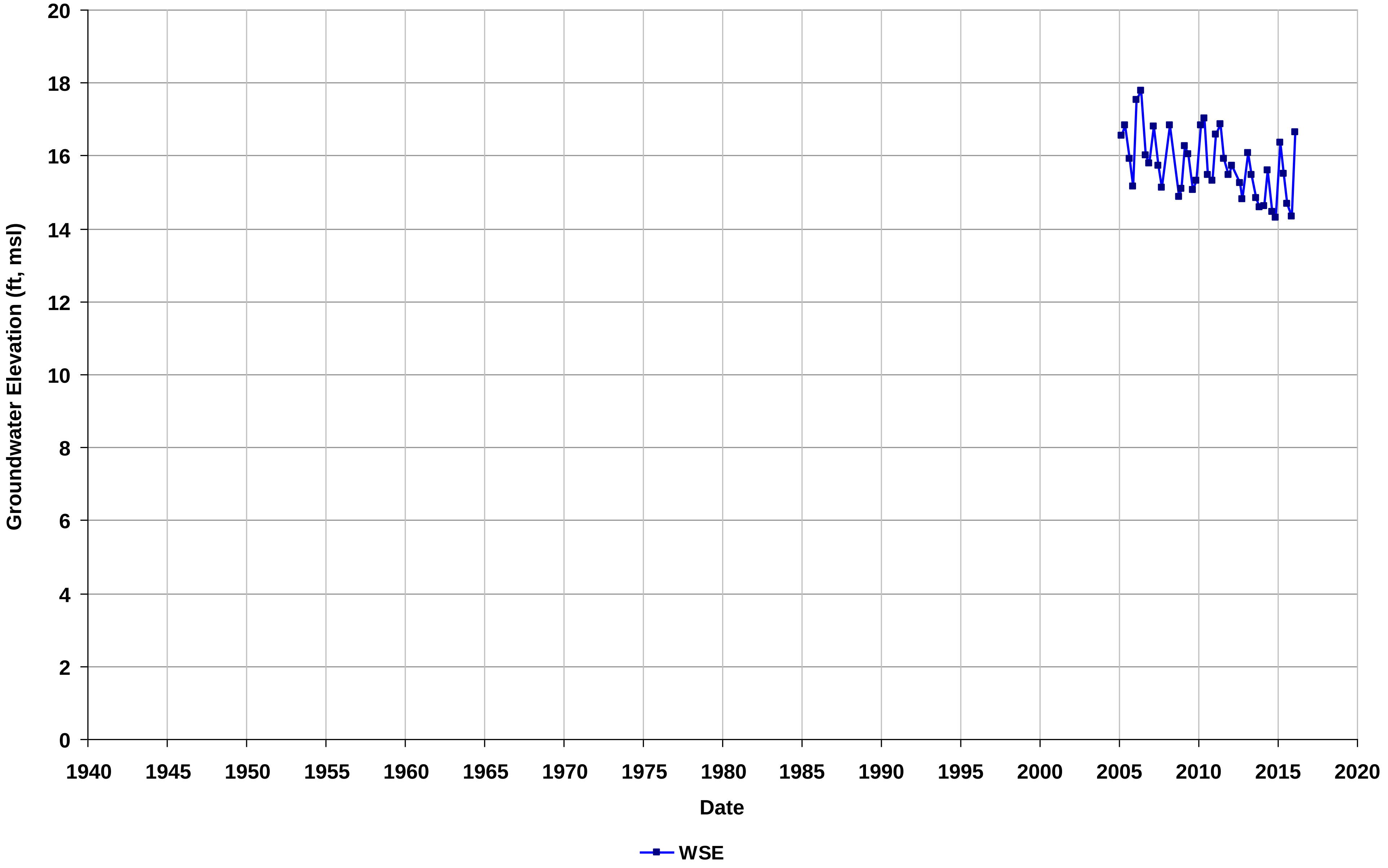
Well Name: SL20260878-MW-35A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 26
Perf. Interval (ft bgs):
T/R/S: 02S/03W/34
Well Use: Observation



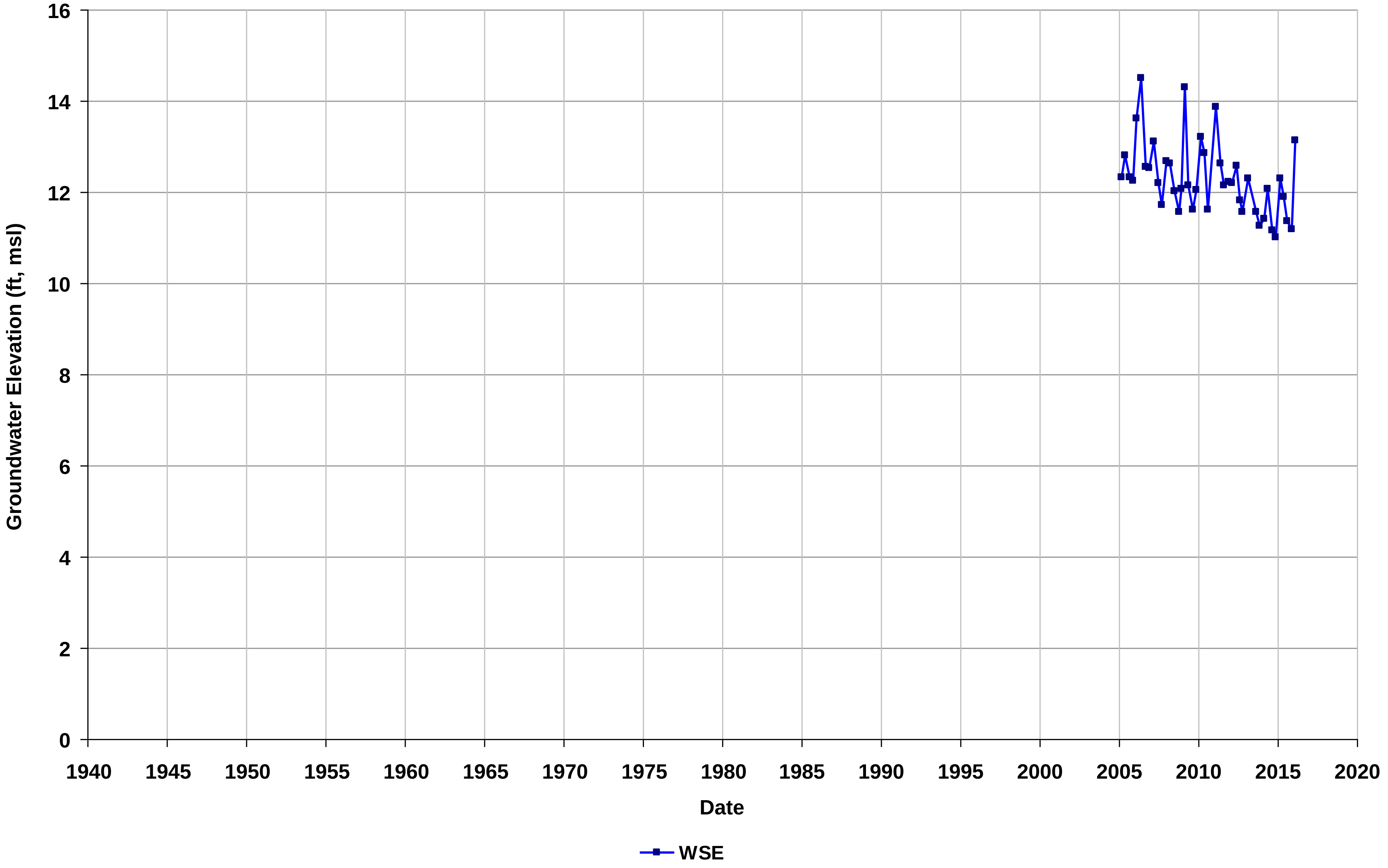
Well Name: SL20260878-MW-36A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 26
Perf. Interval (ft bgs): 11.41-16
T/R/S: 02S/03W/34
Well Use: Observation



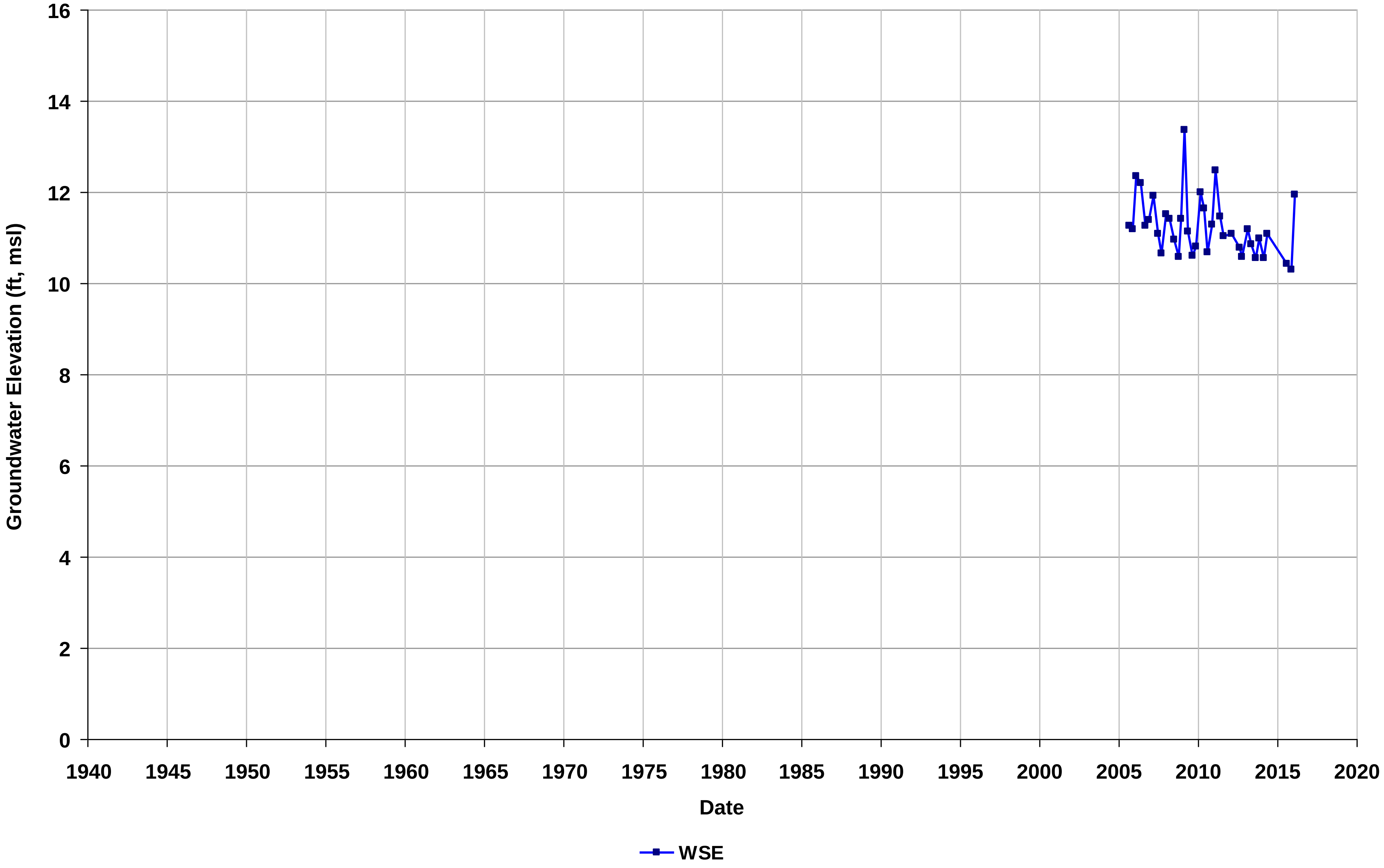
Well Name: SL20260878-MW-40A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 19
Perf. Interval (ft bgs): 13.21-23
T/R/S: 02S/03W/34
Well Use: Observation



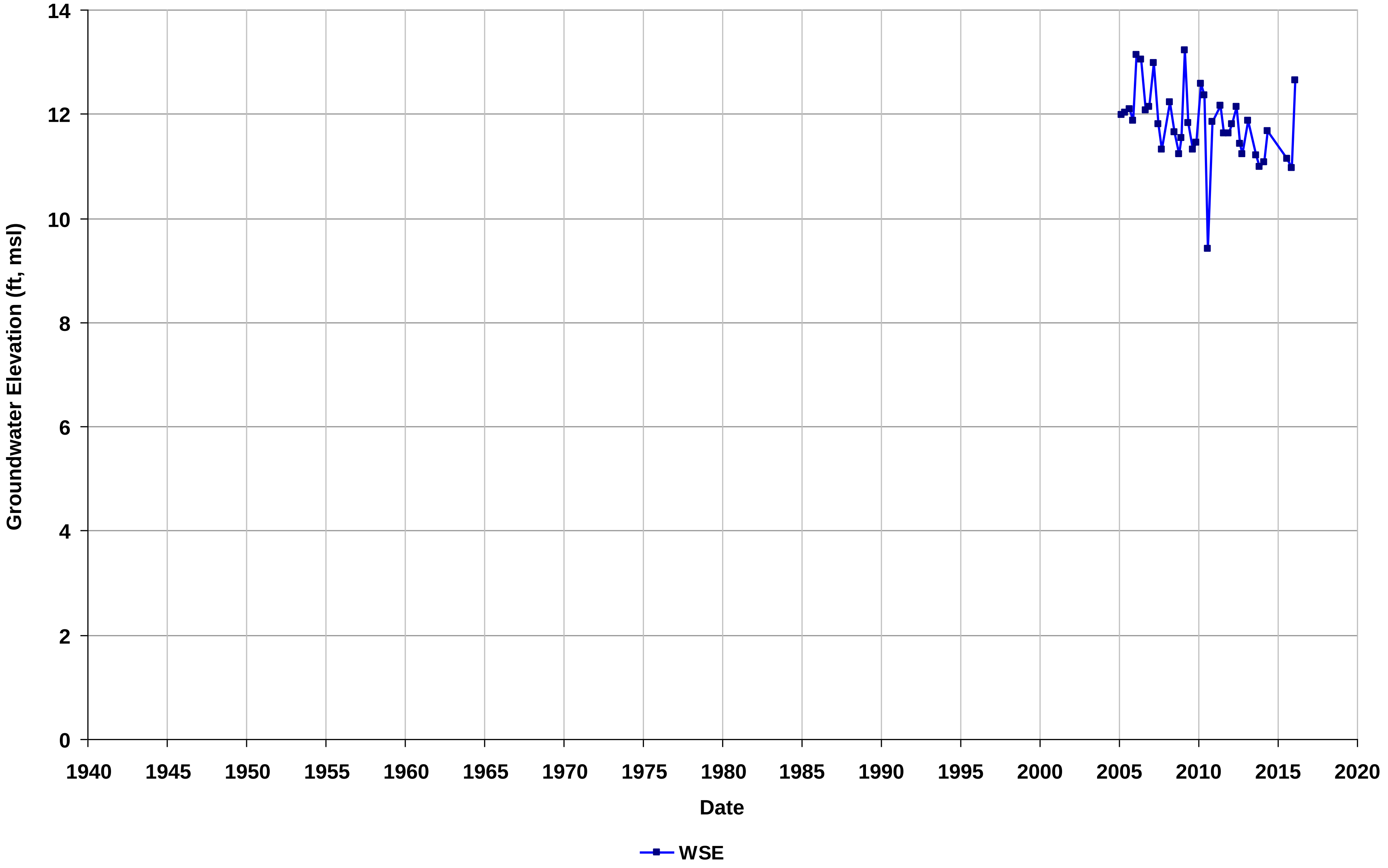
Well Name: SL20260878-MW-41A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 19
Perf. Interval (ft bgs): 14.17-24
T/R/S: 02S/03W/34
Well Use: Observation



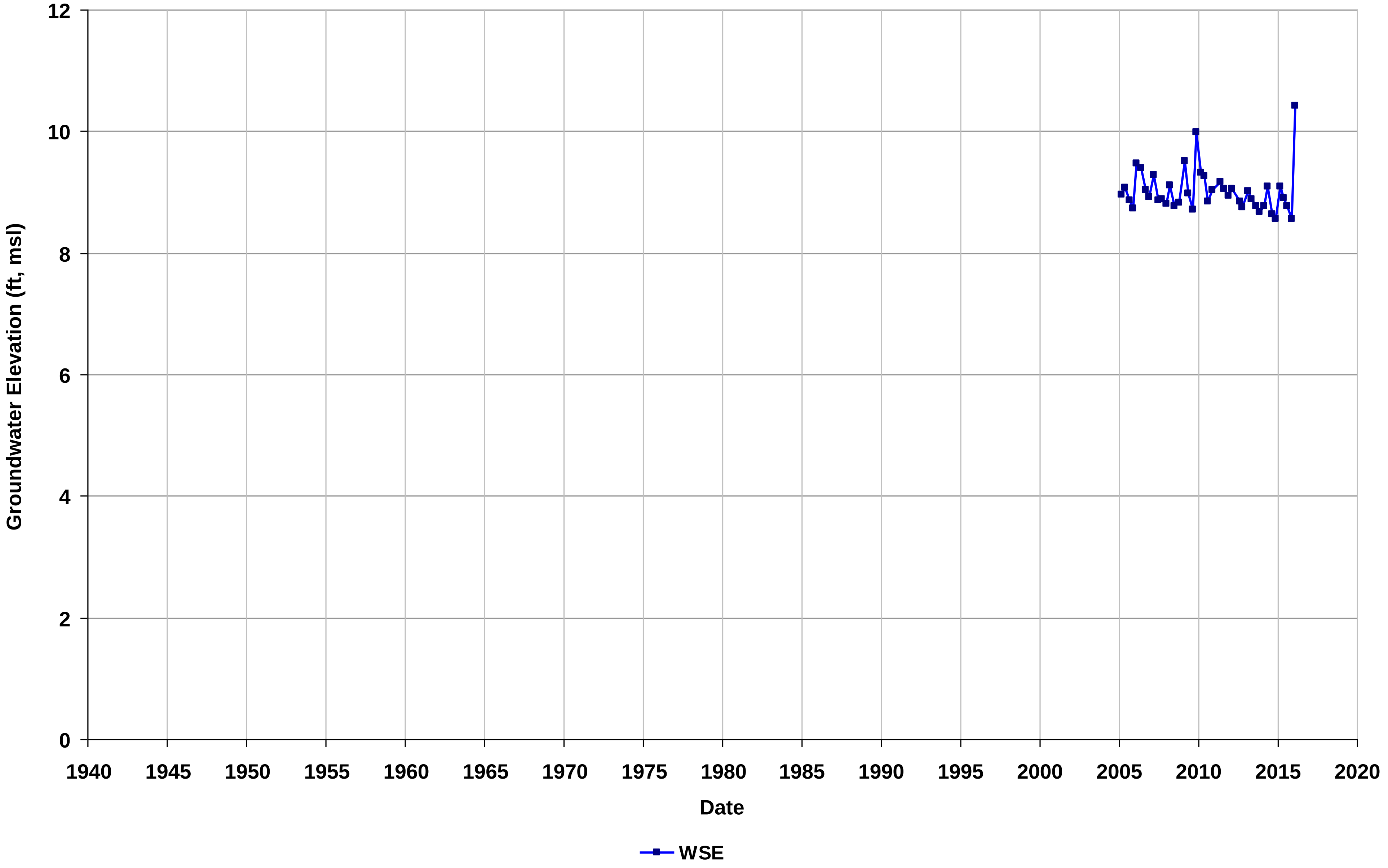
Well Name: SL20260878-MW-42A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 12.2-22
T/R/S: 02S/03W/34
Well Use: Observation



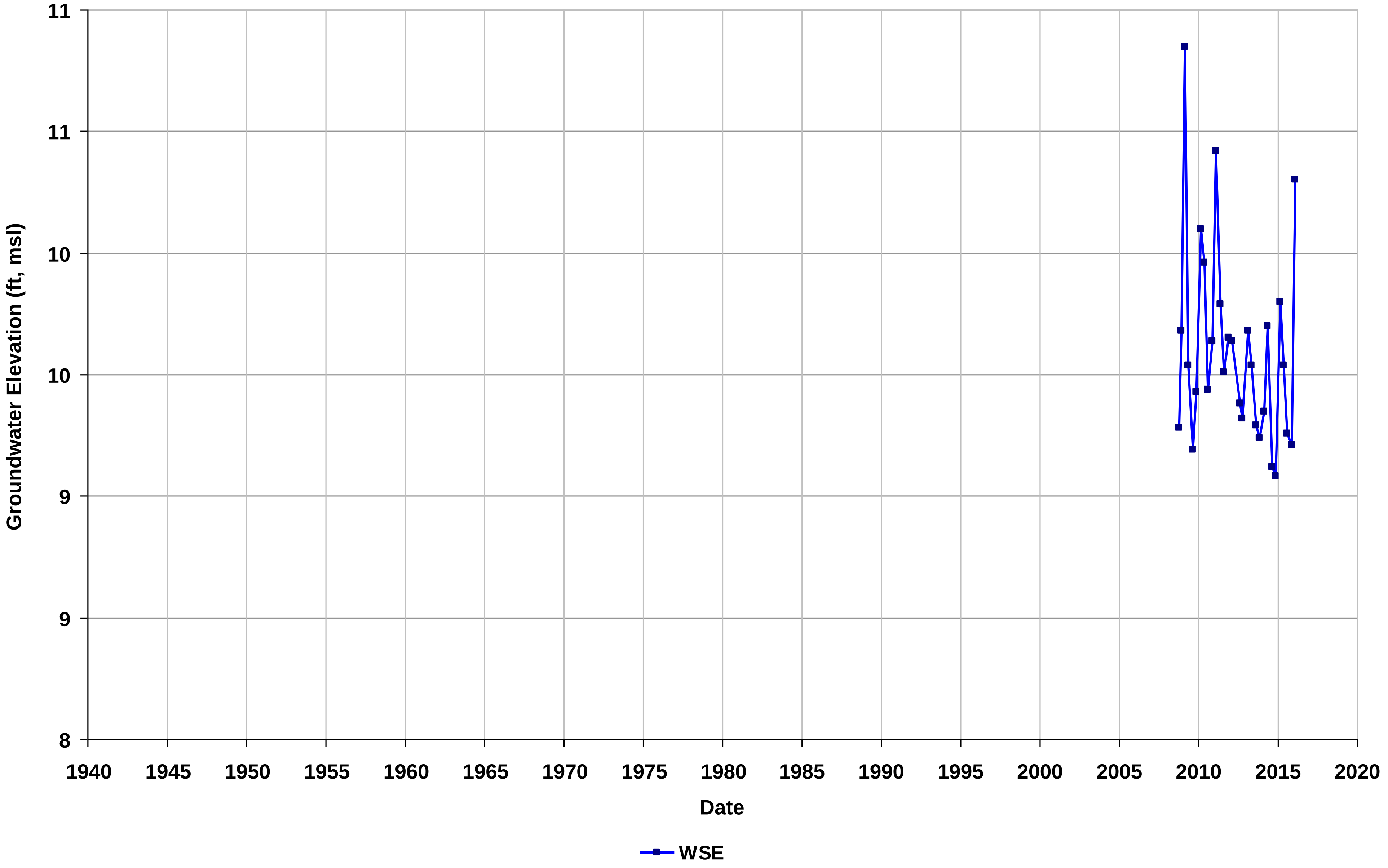
Well Name: SL20260878-MW-43A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 18
Perf. Interval (ft bgs):
T/R/S: 02S/03W/34
Well Use: Observation



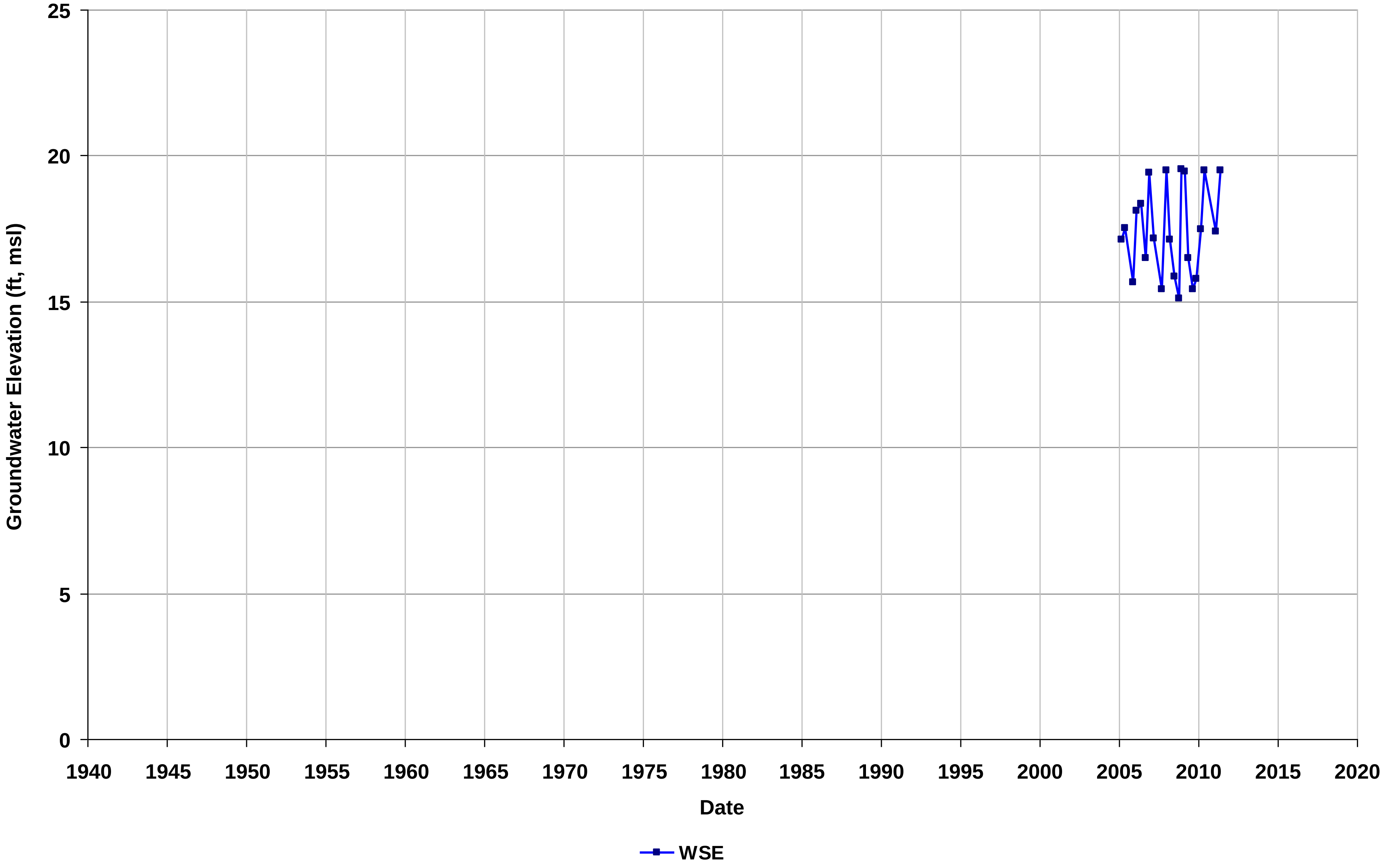
Well Name: SL20260878-MW-45A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 16
Perf. Interval (ft bgs):
T/R/S: 02S/03W/34
Well Use: Observation



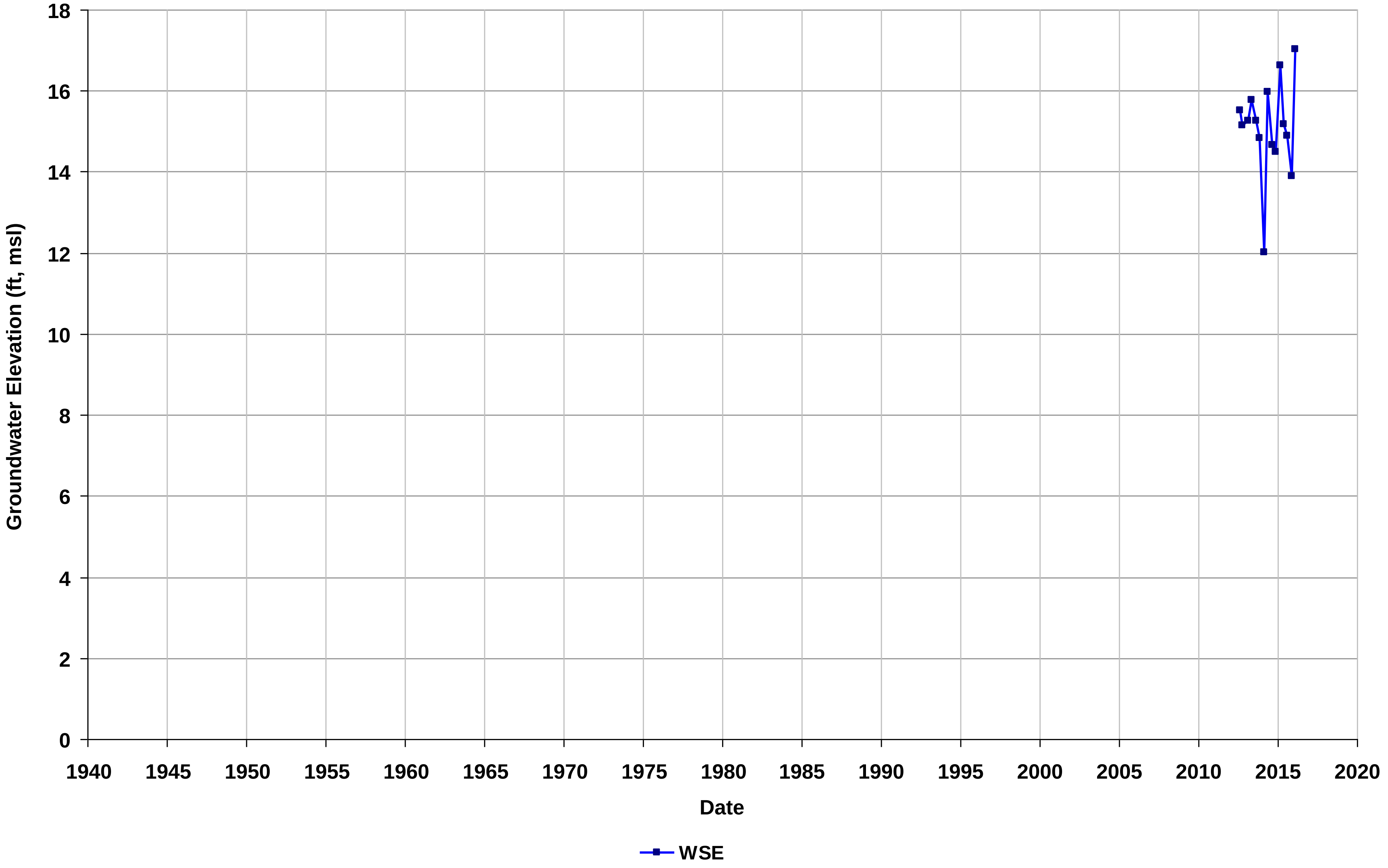
Well Name: SL20260878-MW-4A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 34
Perf. Interval (ft bgs):
T/R/S: 02S/03W/34
Well Use: Observation



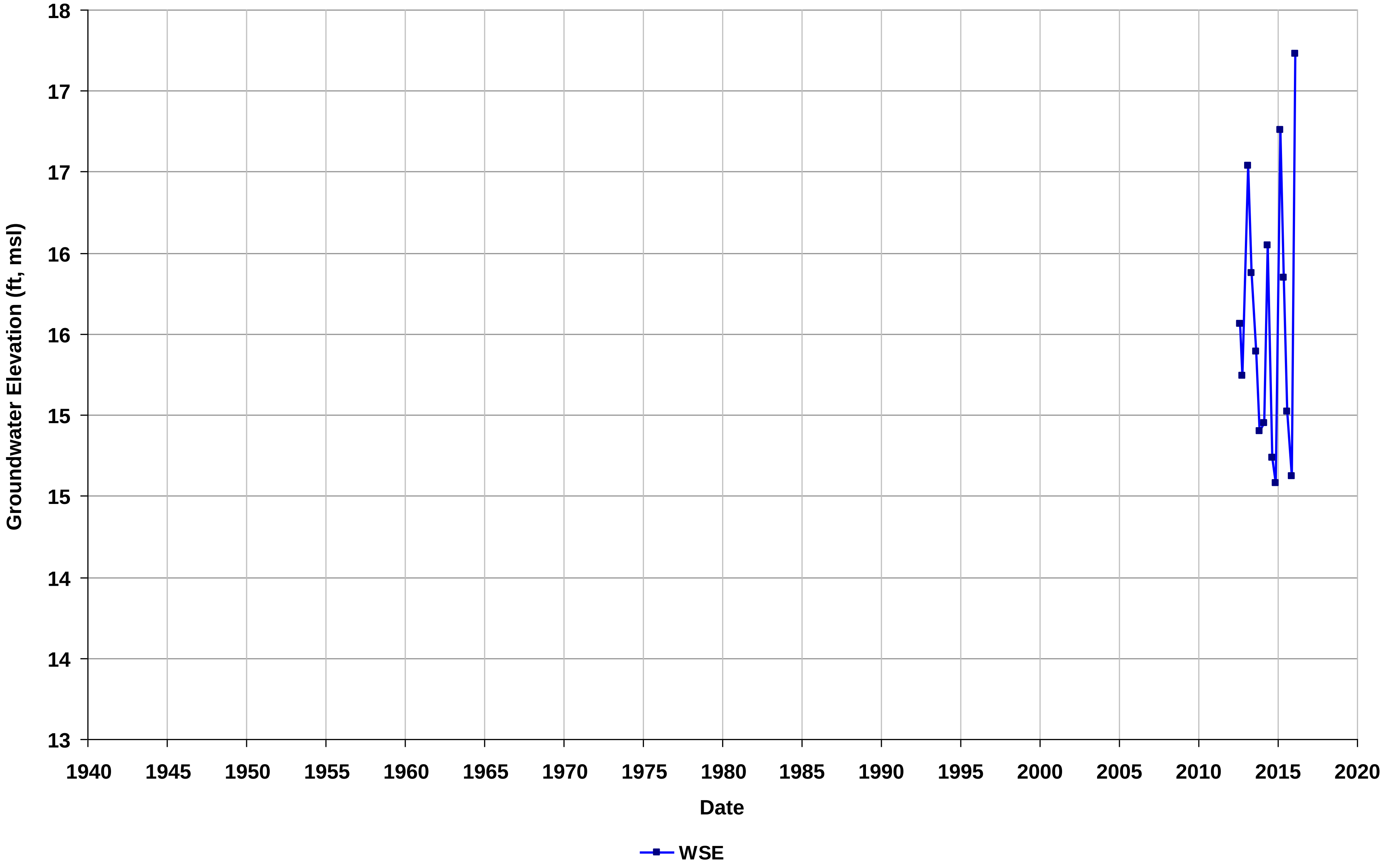
Well Name: SL20260878-MW-51A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 30
Perf. Interval (ft bgs):
T/R/S: 02S/03W/34
Well Use: Observation



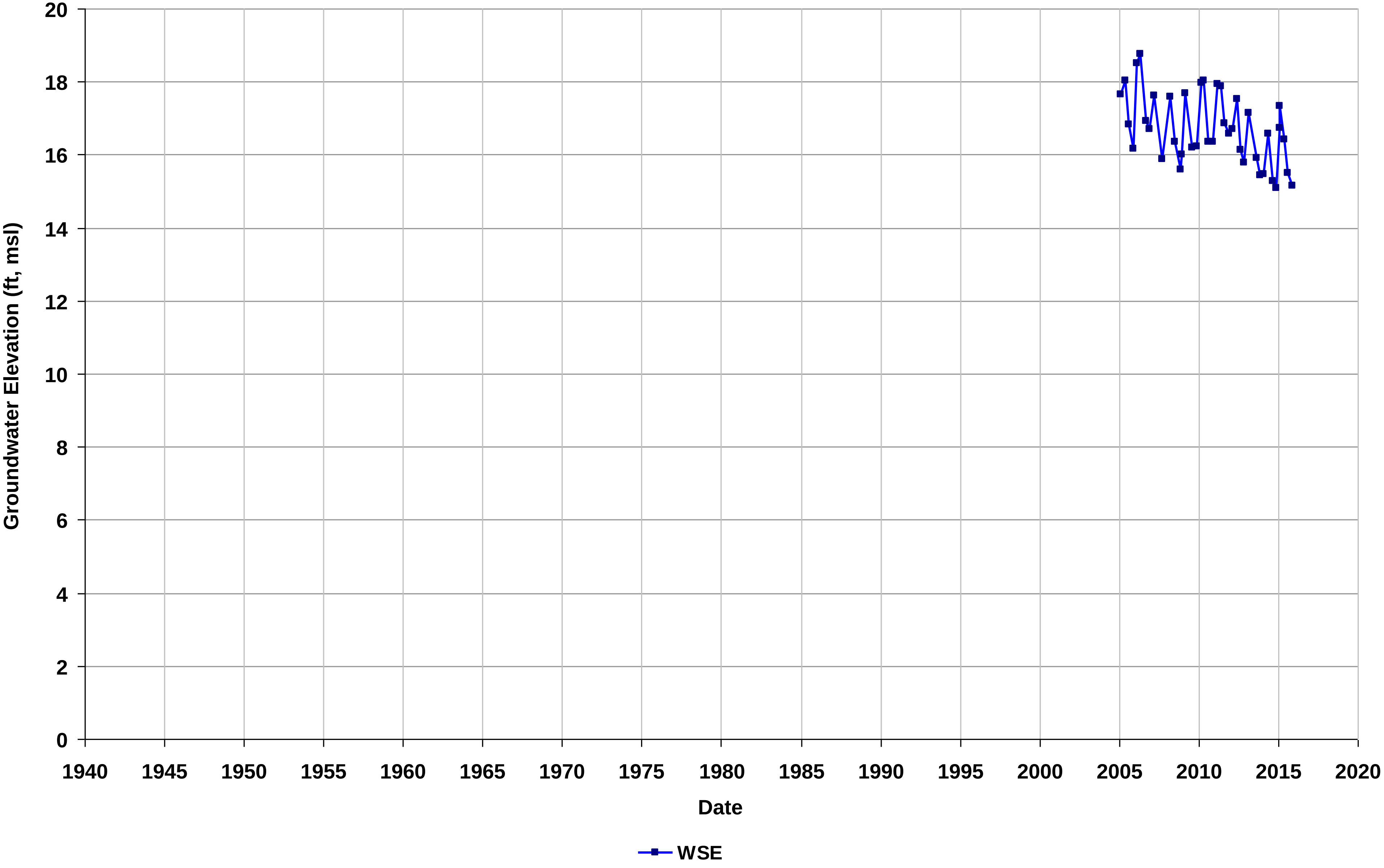
Well Name: SL20260878-MW-54A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 29
Perf. Interval (ft bgs):
T/R/S: 02S/03W/34
Well Use: Observation



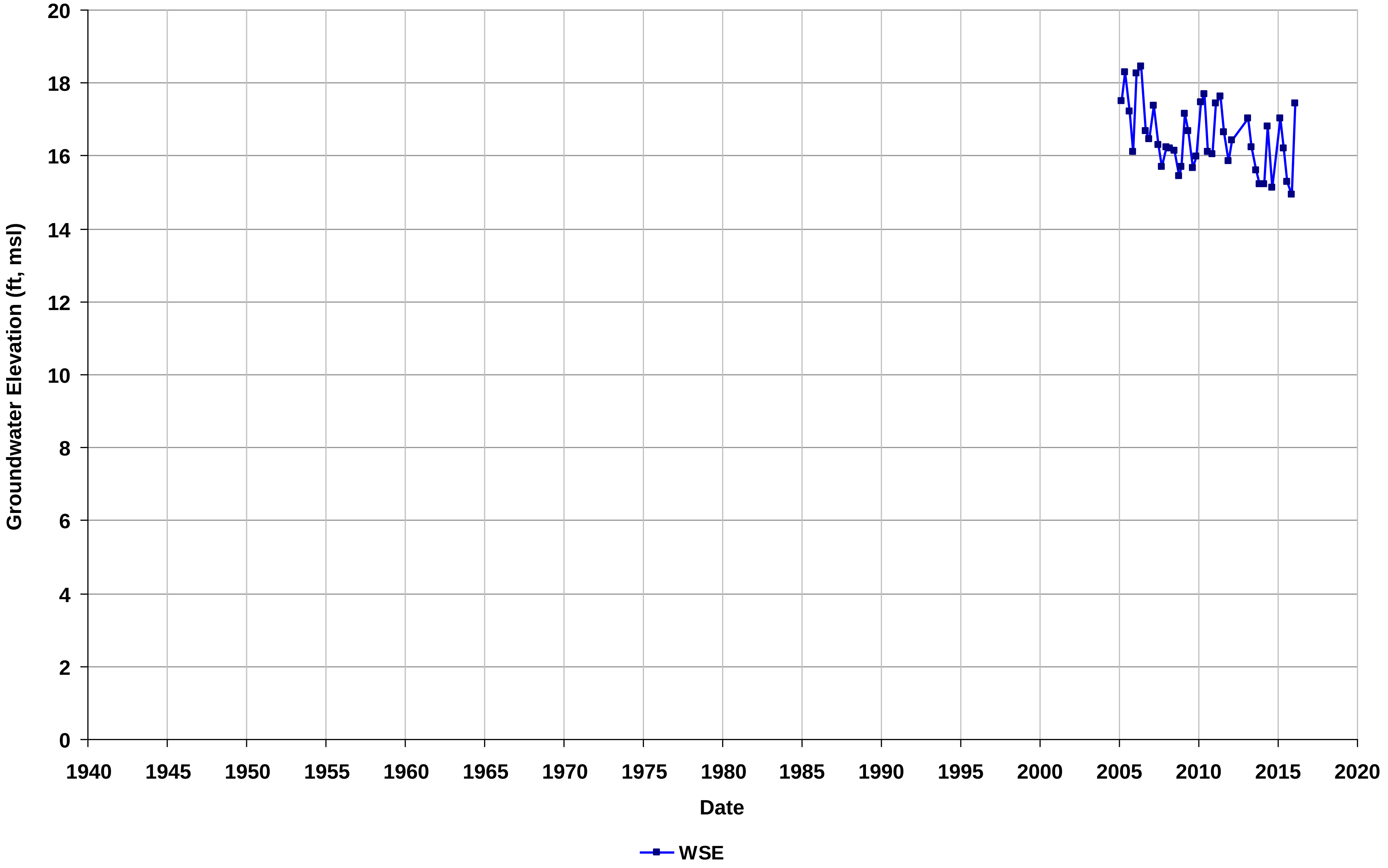
Well Name: SL20260878-MW-6A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 29
Perf. Interval (ft bgs): 10.34-20
T/R/S: 02S/03W/34
Well Use: Observation



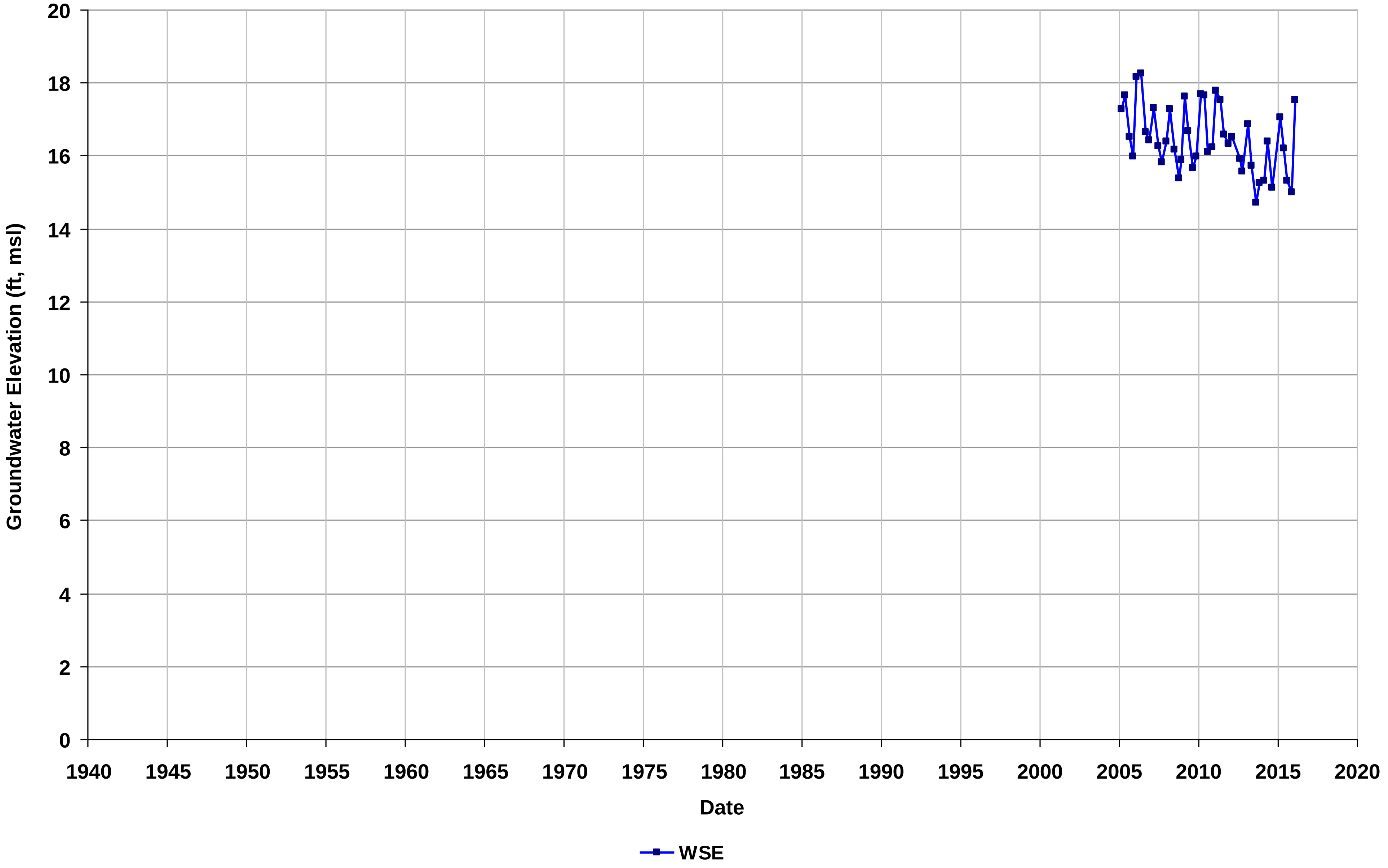
Well Name: SL20260878-MW-9A
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 26
Perf. Interval (ft bgs): 6.24-14
T/R/S: 02S/03W/34
Well Use: Observation



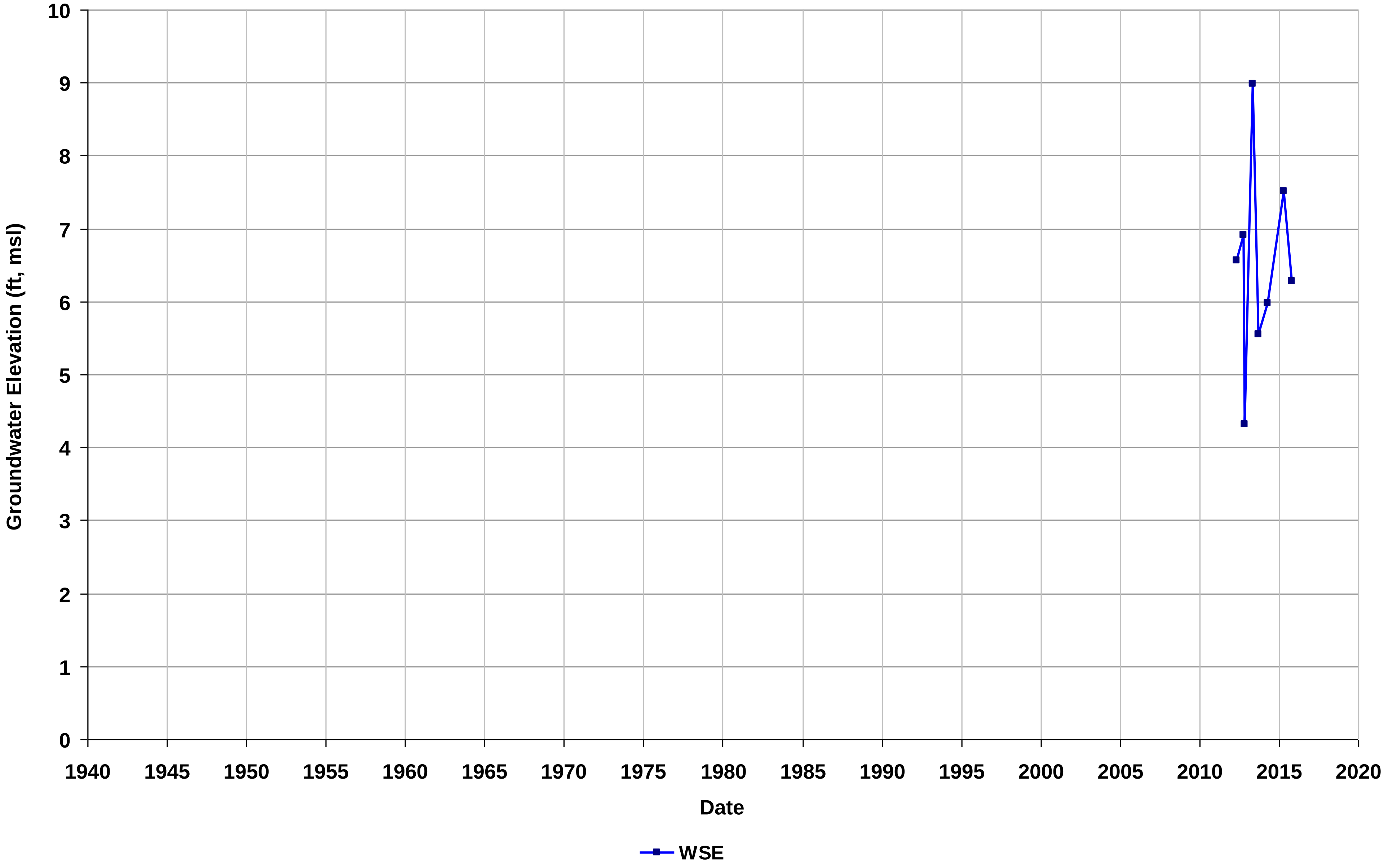
Well Name: SL20260878-MW-9B
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 26
Perf. Interval (ft bgs):
T/R/S: 02S/03W/34
Well Use: Observation



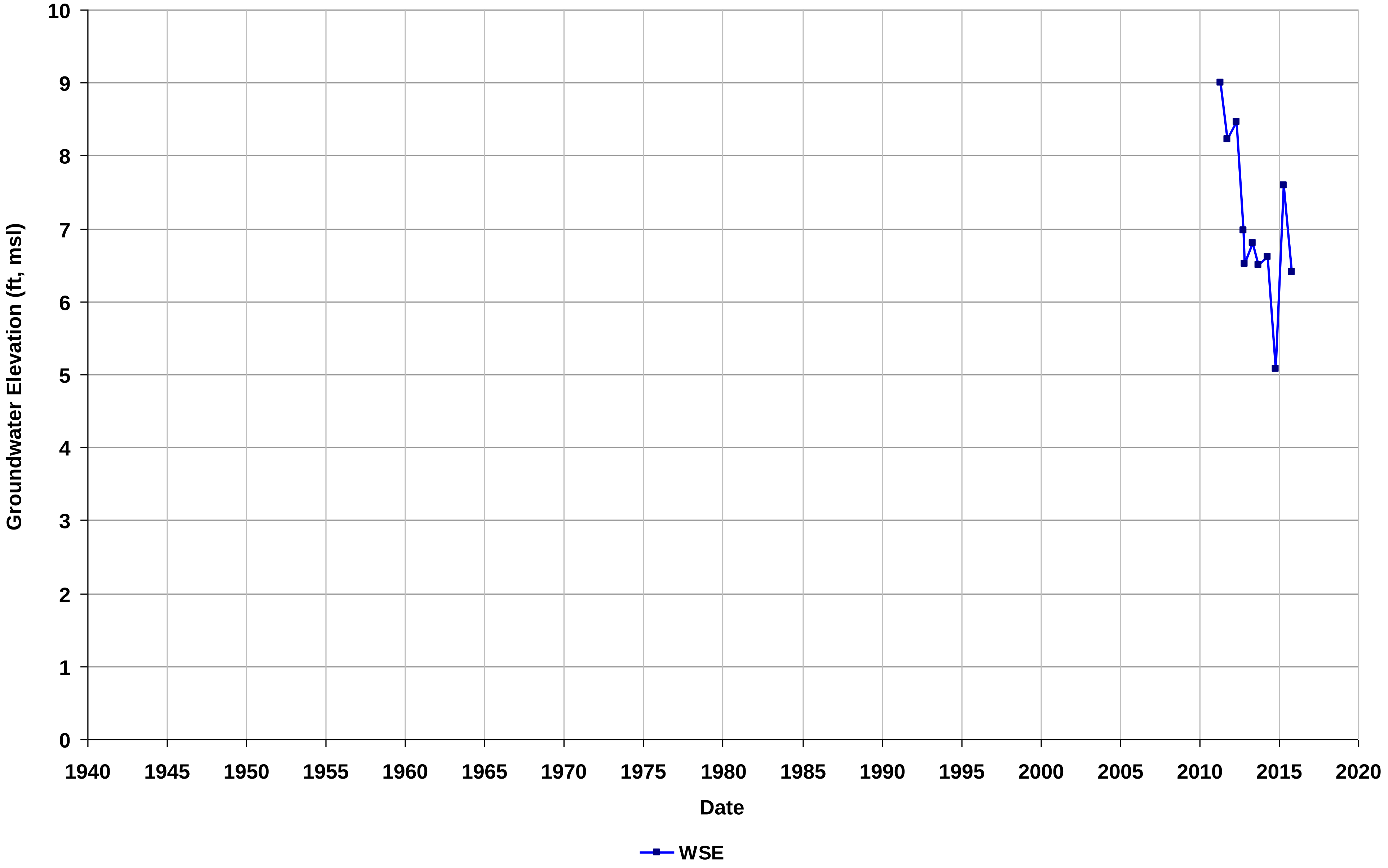
Well Name: SL20268886-HCW-11
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 25
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



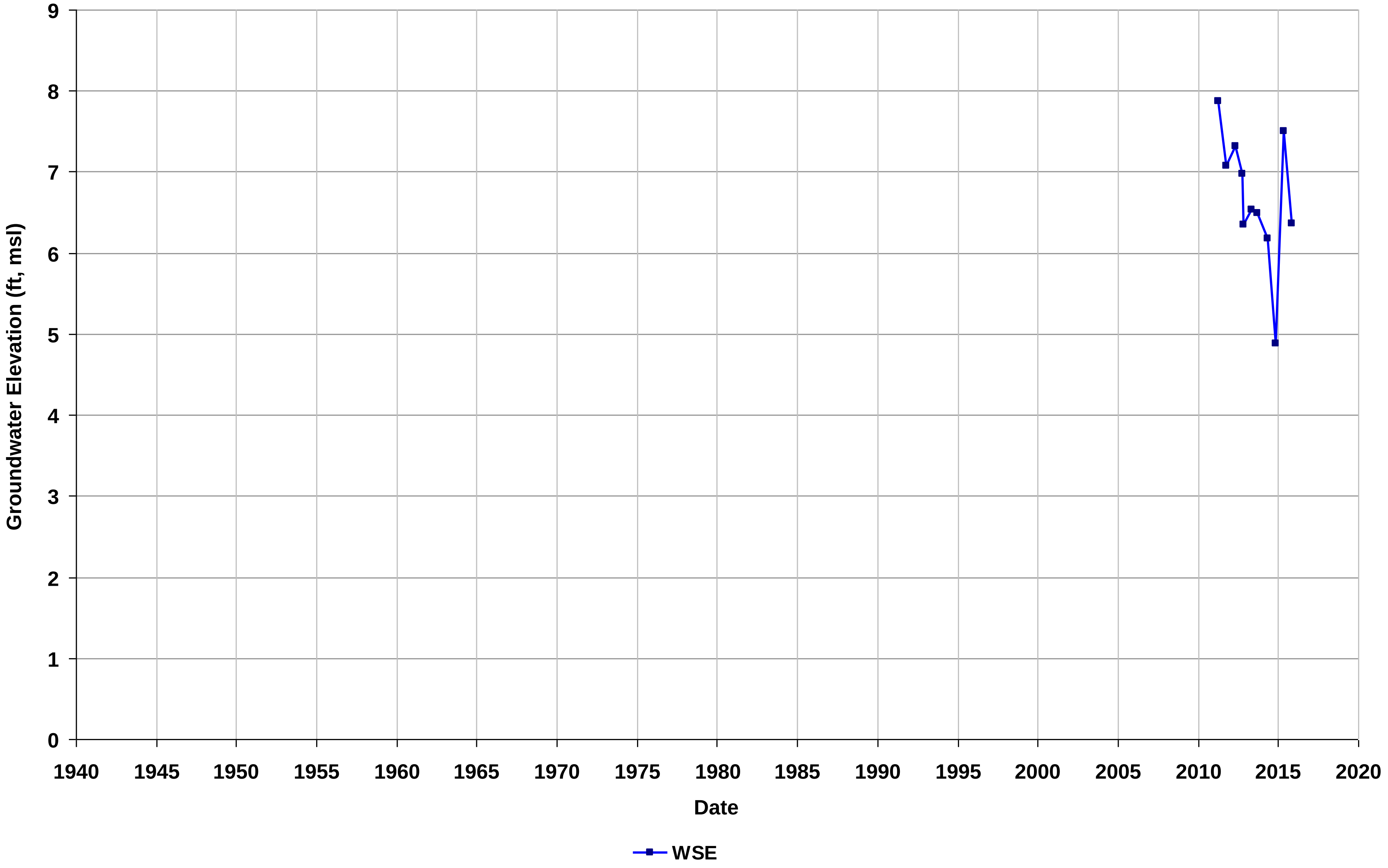
Well Name: SL20268886-HCW-2
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 25
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



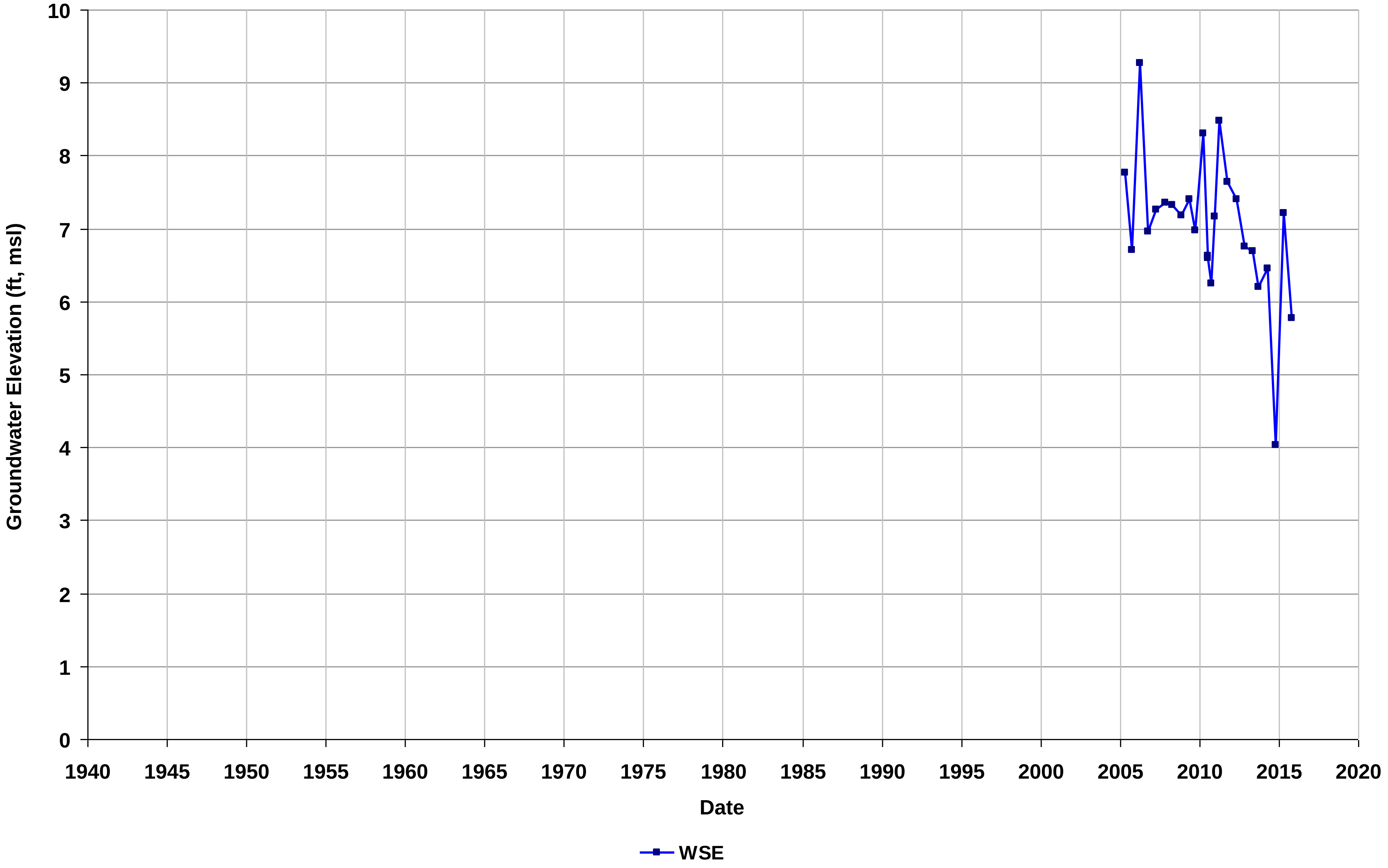
Well Name: SL20268886-HCW-3
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 25
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



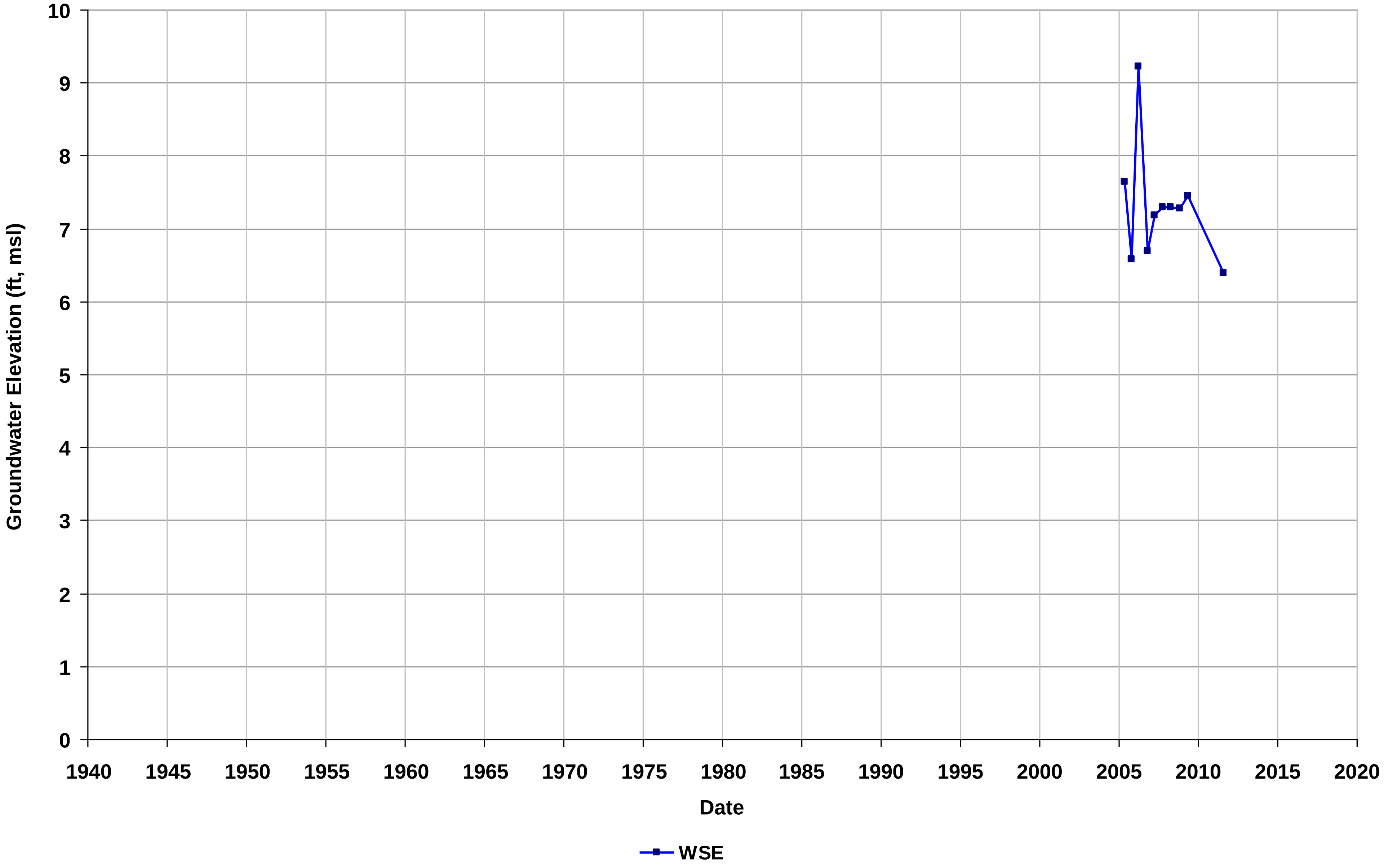
Well Name: SL20268886-MW-1
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 29
Perf. Interval (ft bgs): 10-30
T/R/S: n/a
Well Use: Observation



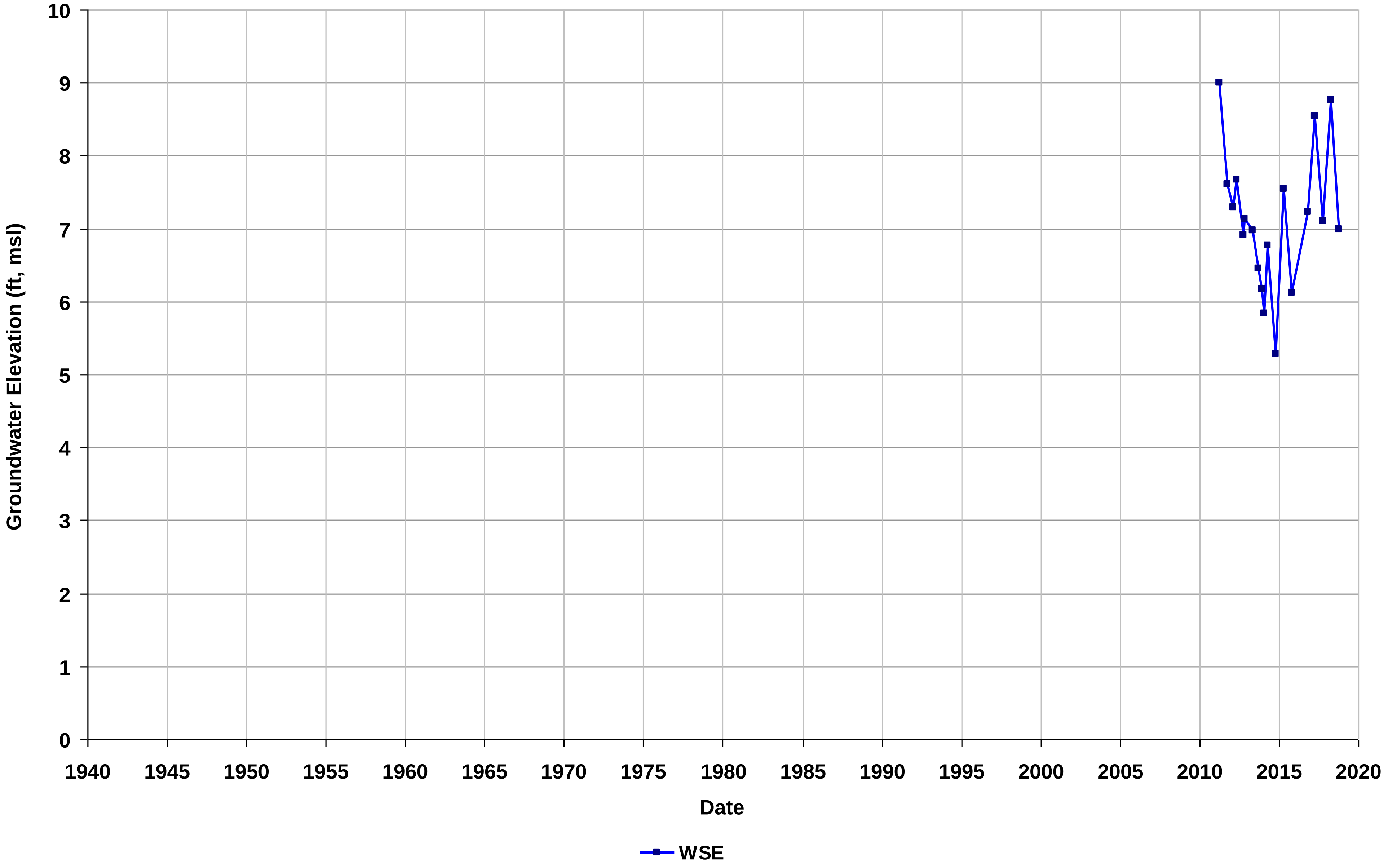
Well Name: SL20268886-MW-10
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 15-22
T/R/S: n/a
Well Use: Observation



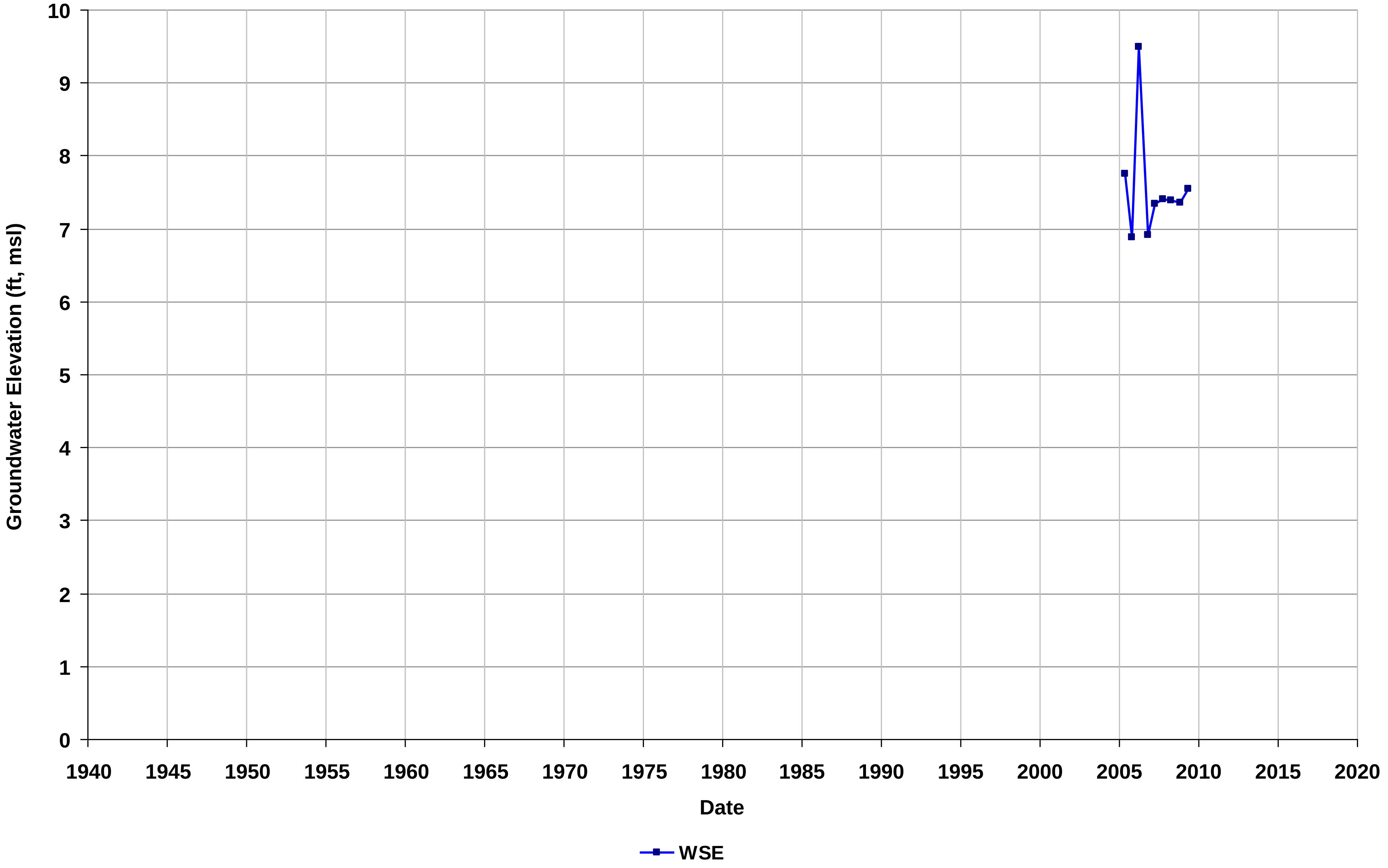
Well Name: SL20268886-MW-10R
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 23
Perf. Interval (ft bgs): 11-21
T/R/S: n/a
Well Use: Observation



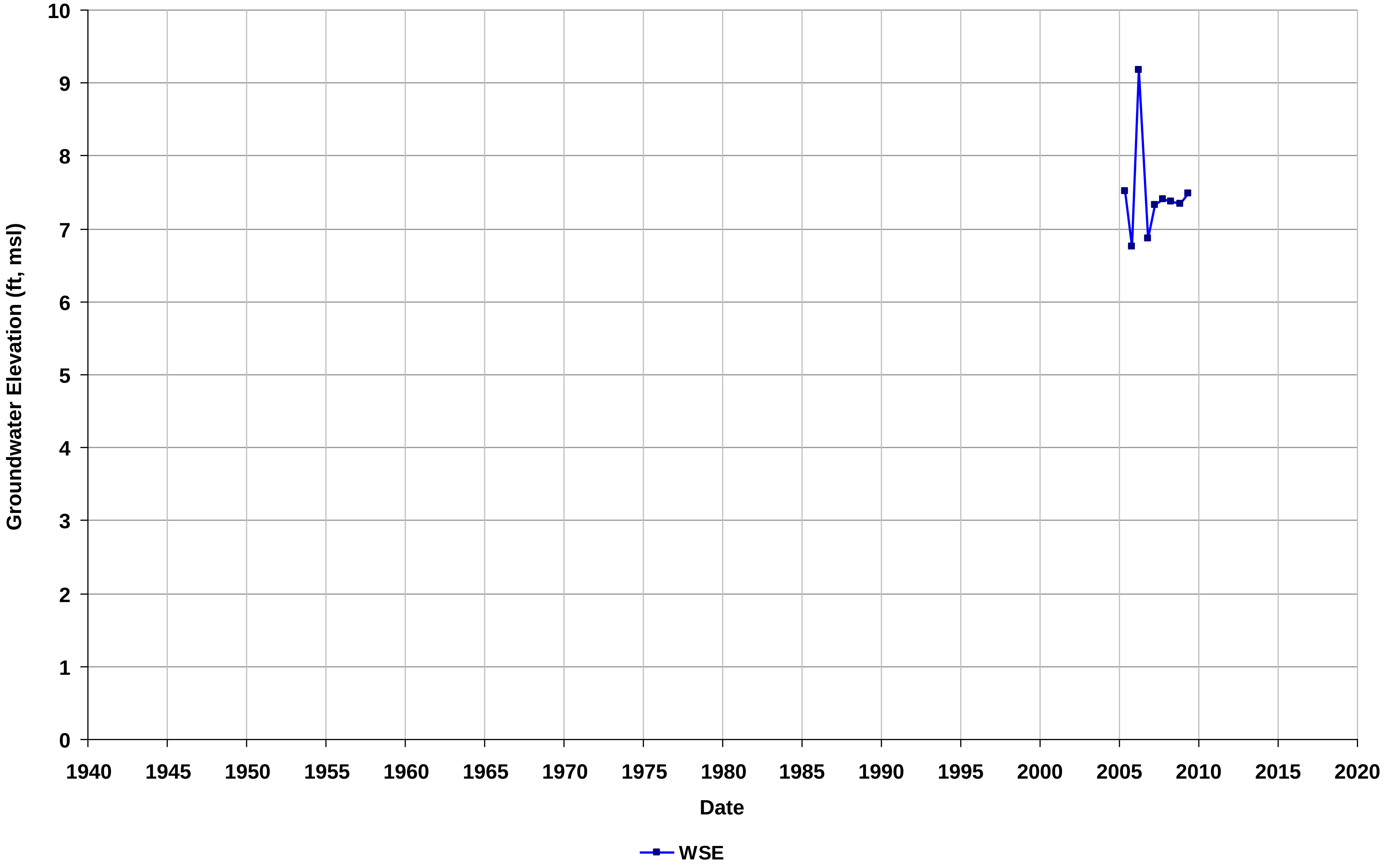
Well Name: SL20268886-MW-11
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 14-19
T/R/S: n/a
Well Use: Observation



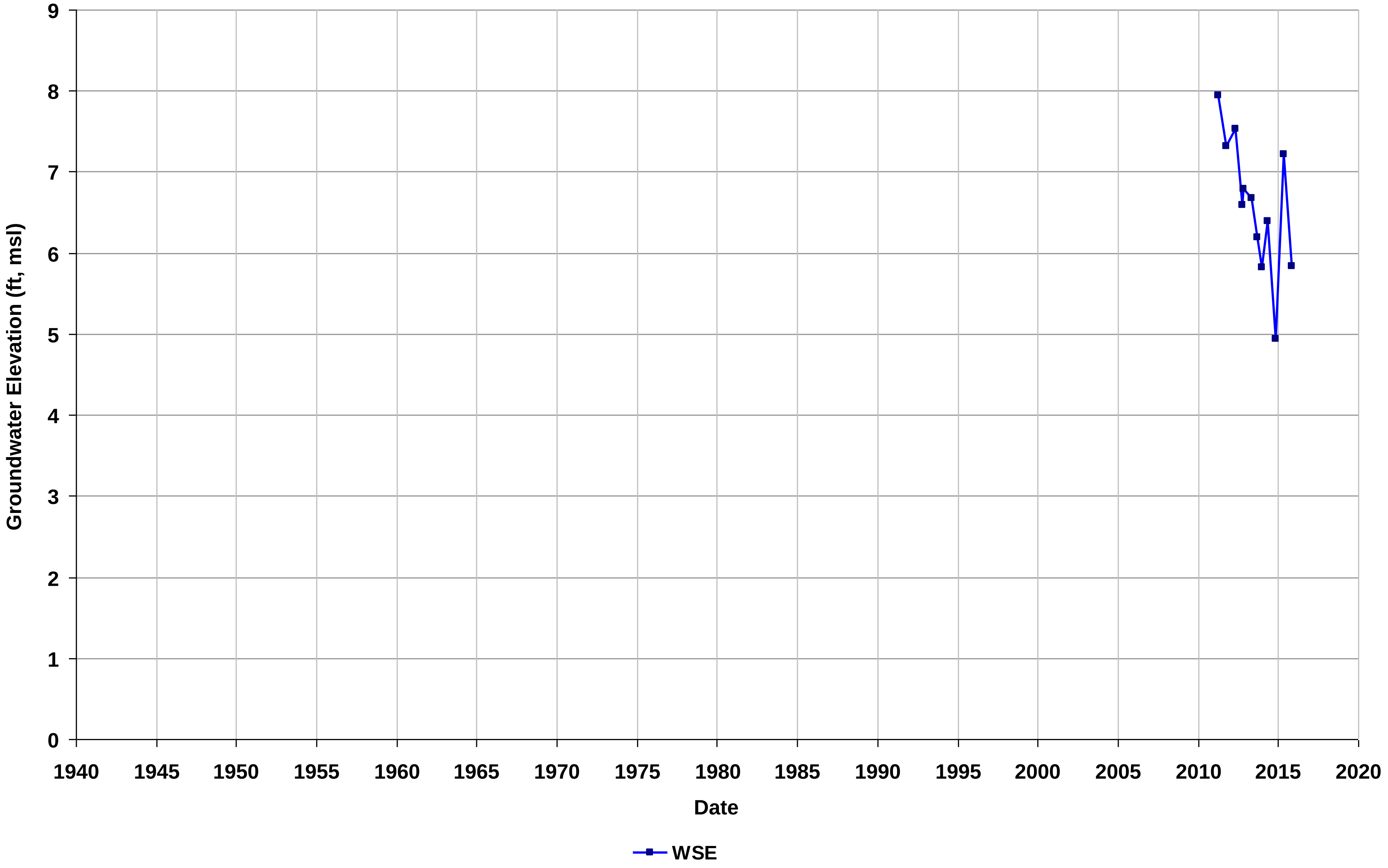
Well Name: SL20268886-MW-12
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 10-20
T/R/S: n/a
Well Use: Observation



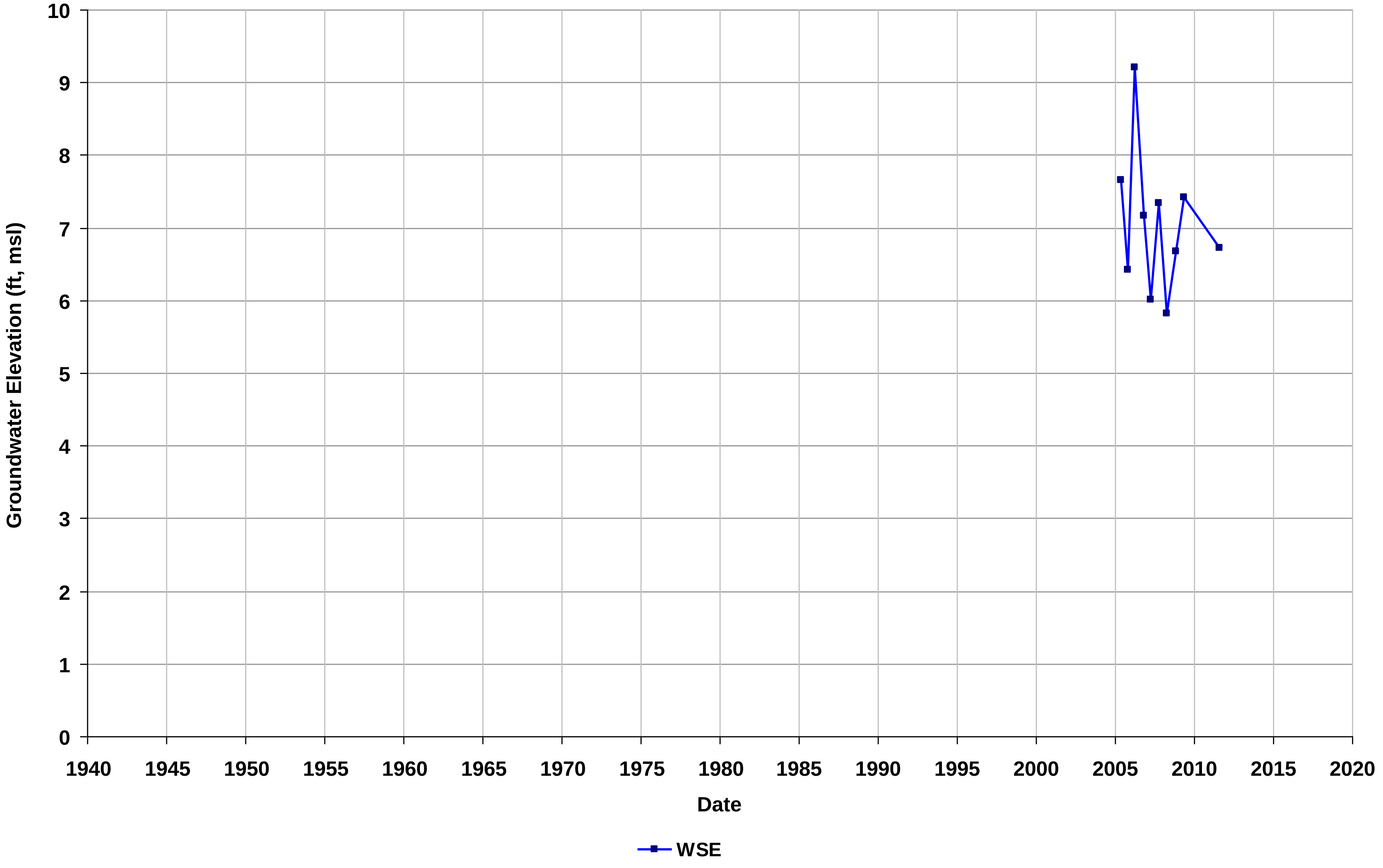
Well Name: SL20268886-MW-12R
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 26
Perf. Interval (ft bgs): 14-24
T/R/S: n/a
Well Use: Observation



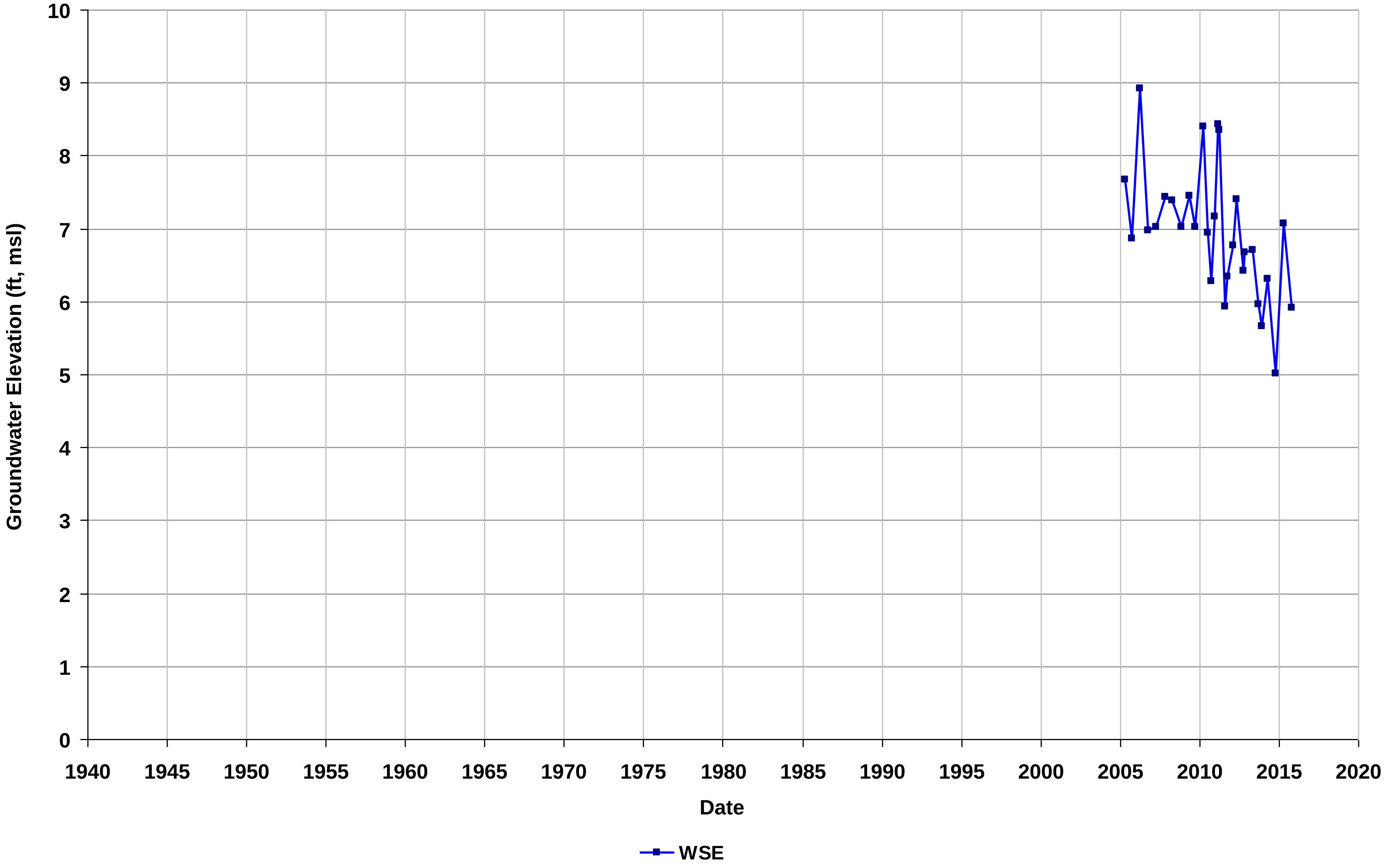
Well Name: SL20268886-MW-13
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 12-22
T/R/S: n/a
Well Use: Observation



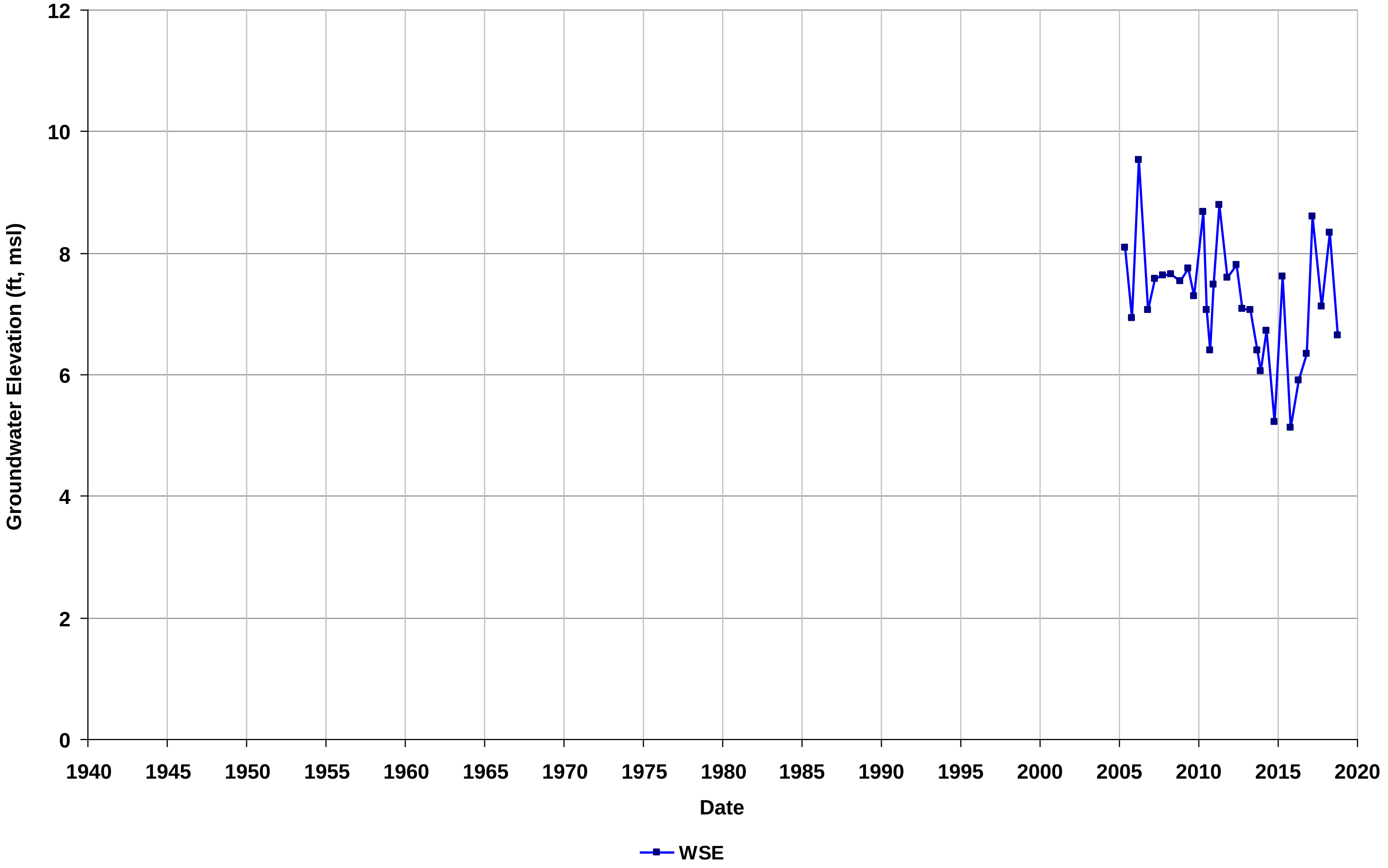
Well Name: SL20268886-MW-14
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 23
Perf. Interval (ft bgs): 13-23
T/R/S: n/a
Well Use: Observation



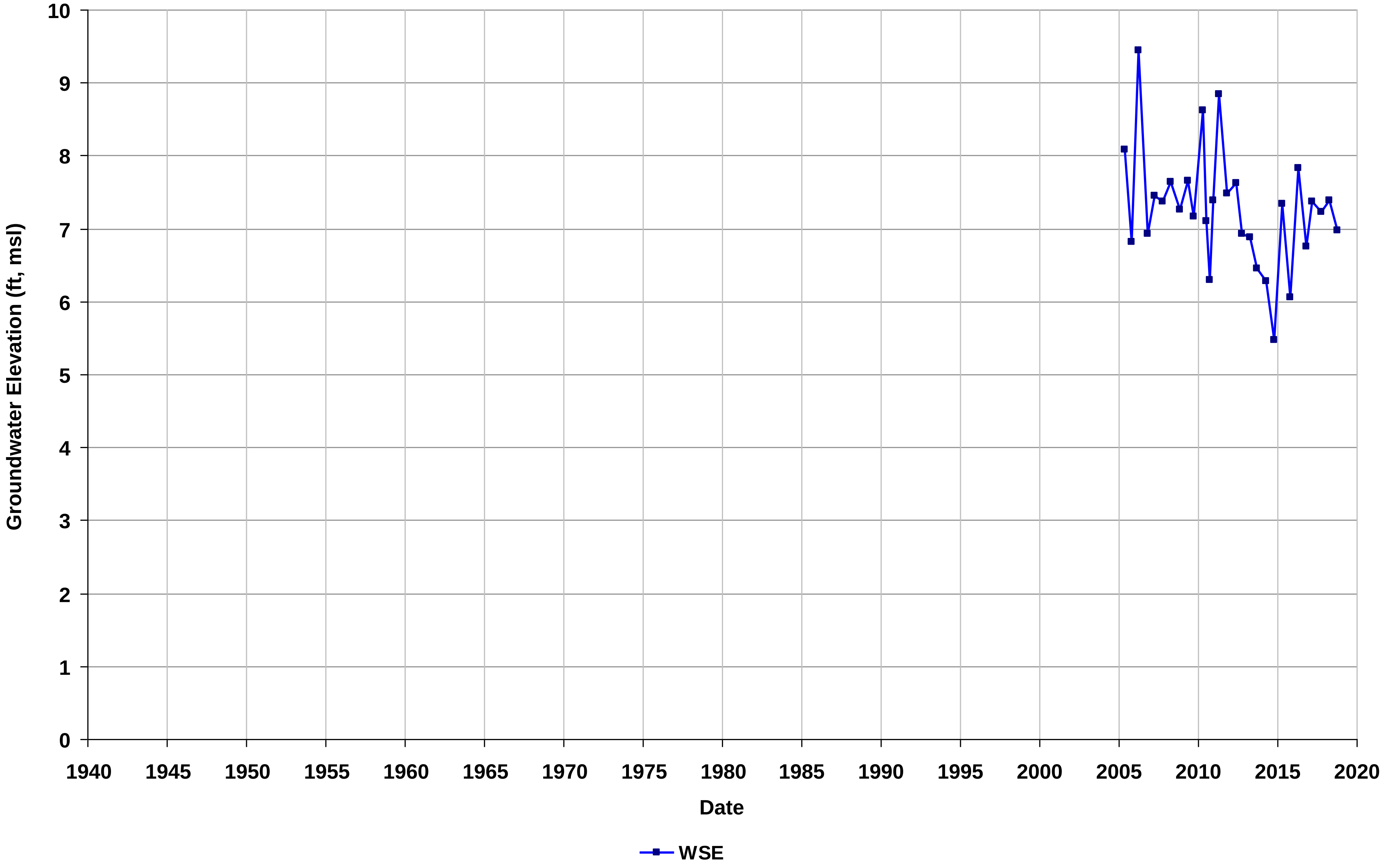
Well Name: SL20268886-MW-15
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 25
Perf. Interval (ft bgs): 14-24
T/R/S: n/a
Well Use: Observation



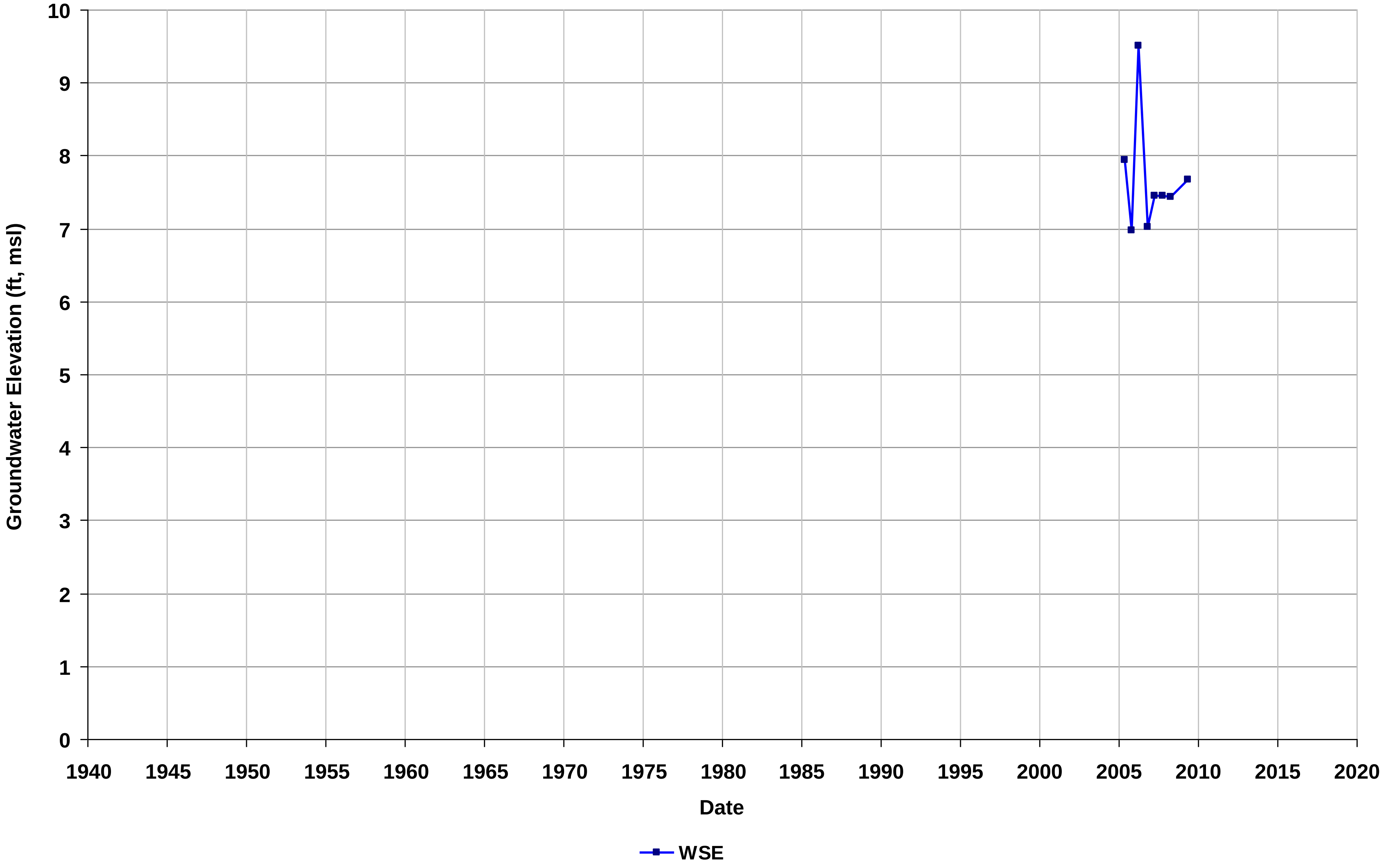
Well Name: SL20268886-MW-16
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 24
Perf. Interval (ft bgs): 14-24
T/R/S: n/a
Well Use: Observation



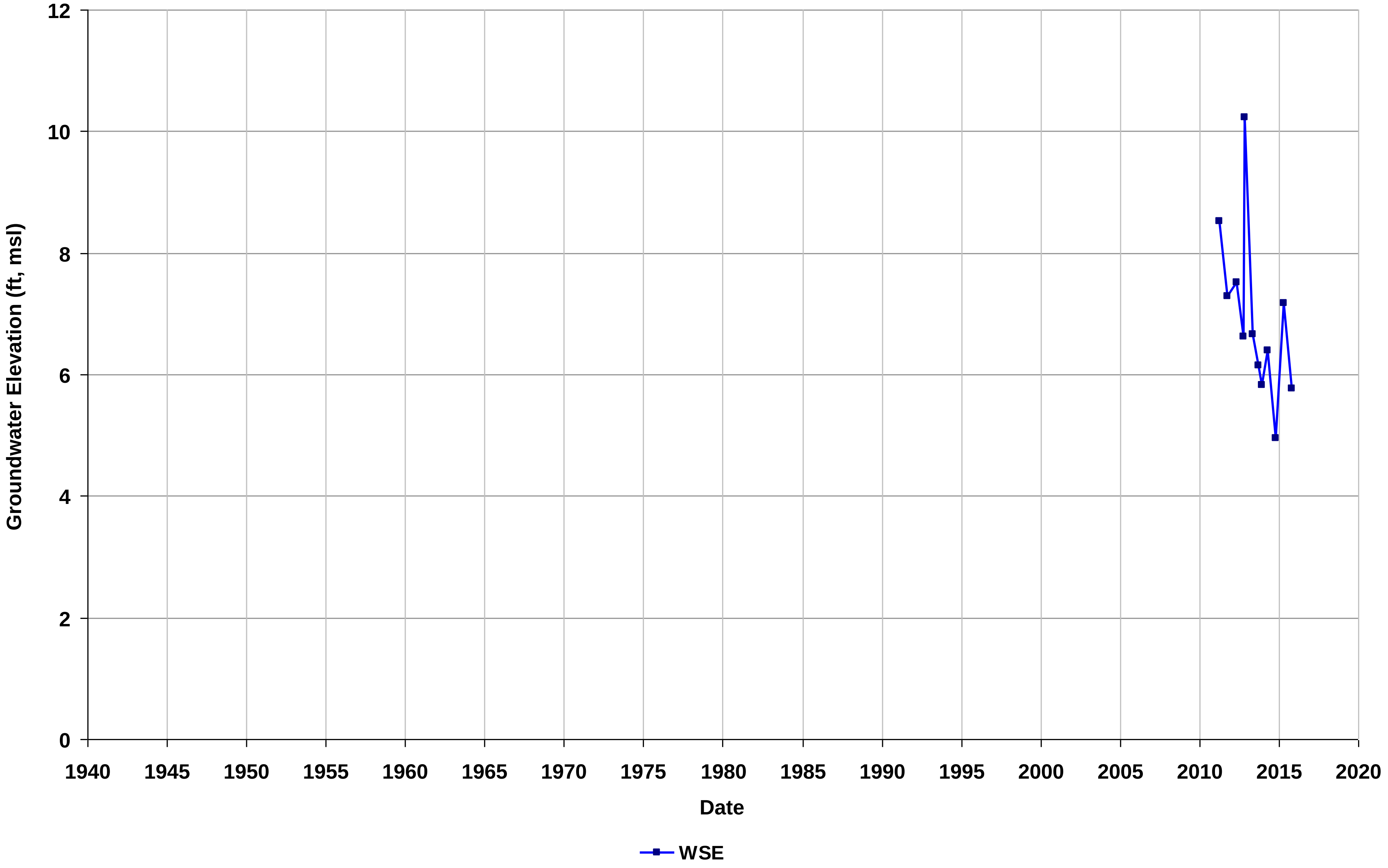
Well Name: SL20268886-MW-17
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 9-19
T/R/S: n/a
Well Use: Observation



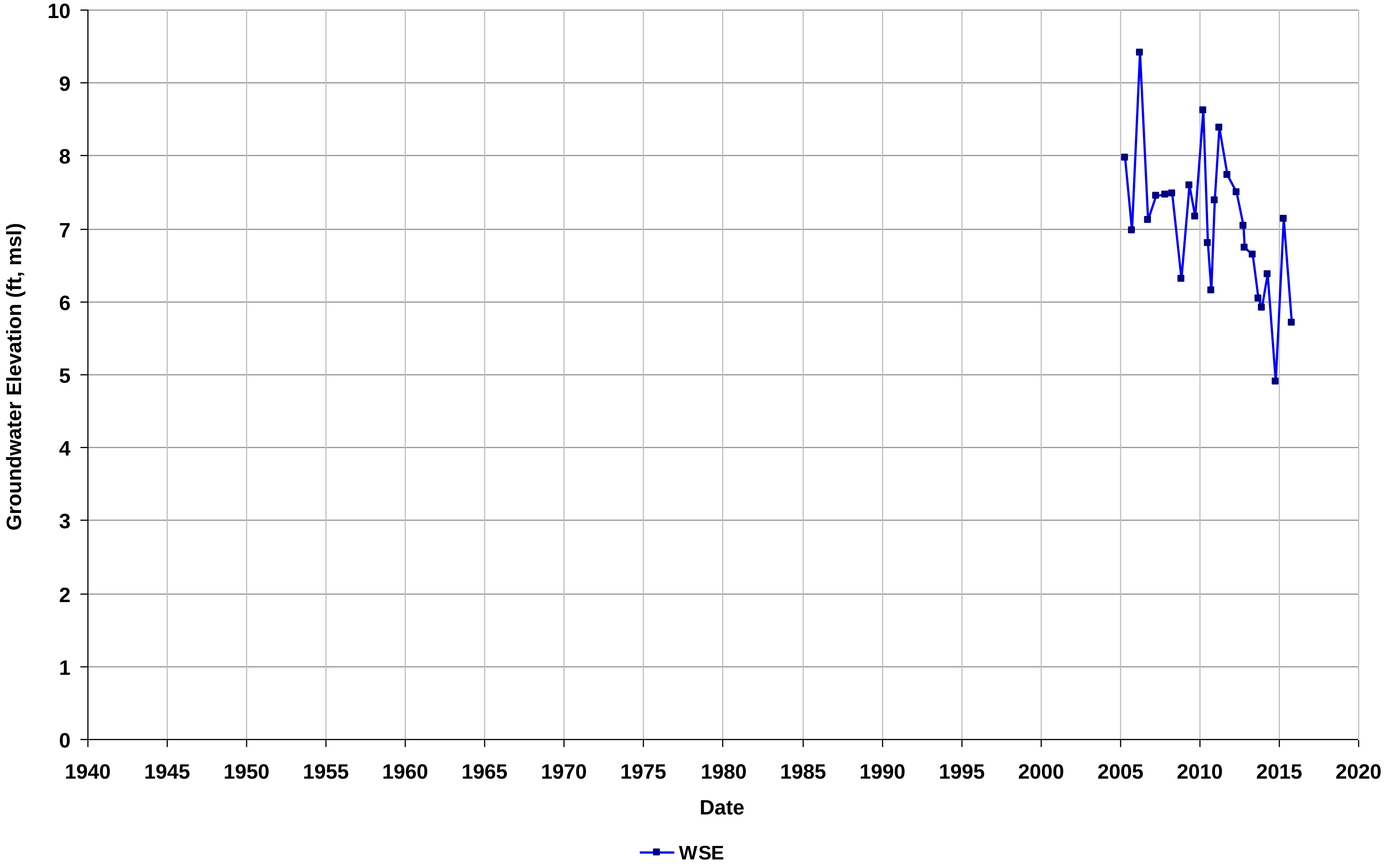
Well Name: SL20268886-MW-17R
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 24
Perf. Interval (ft bgs): 13-23
T/R/S: n/a
Well Use: Observation



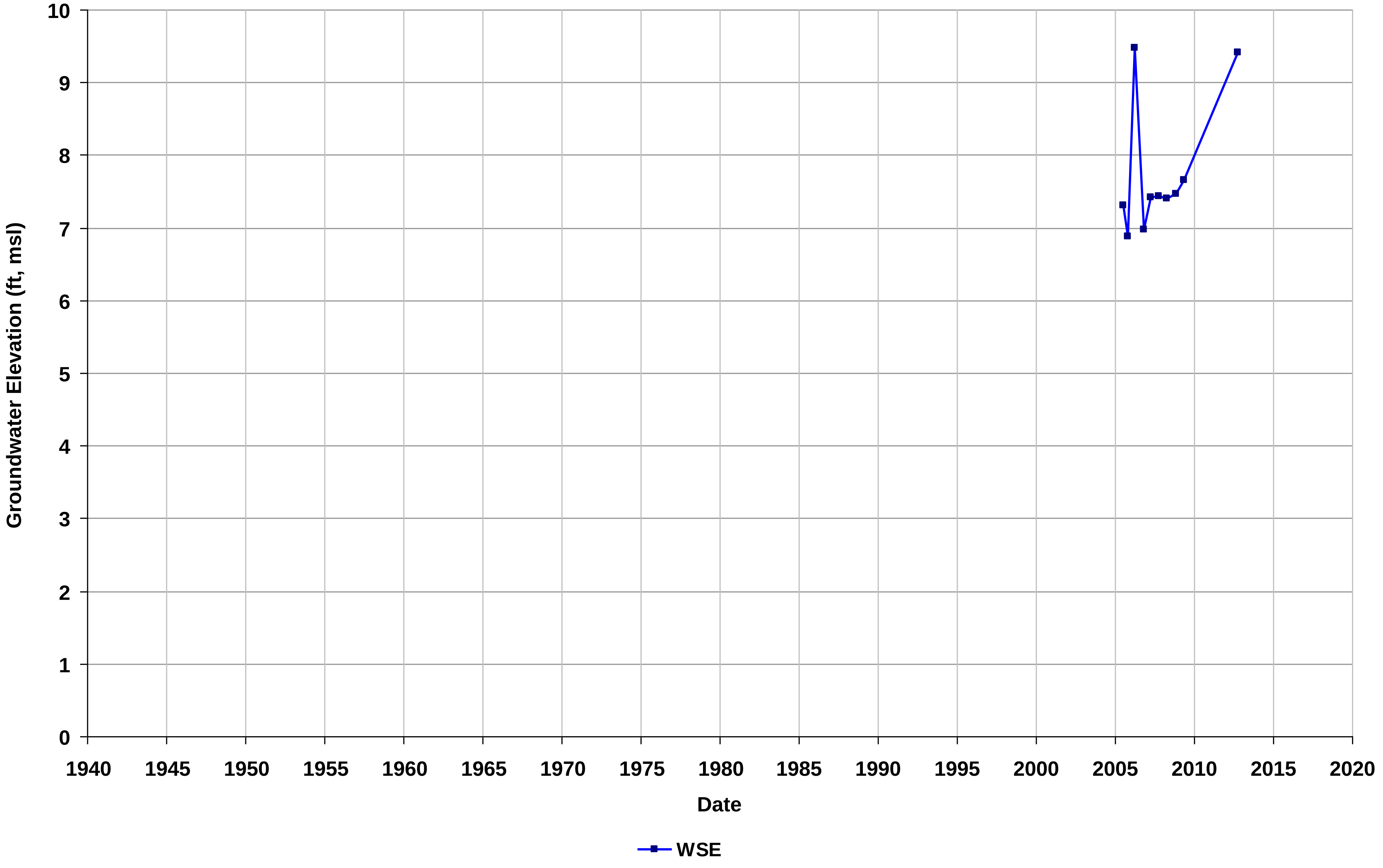
Well Name: SL20268886-MW-18
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 21
Perf. Interval (ft bgs): 9-19
T/R/S: n/a
Well Use: Observation



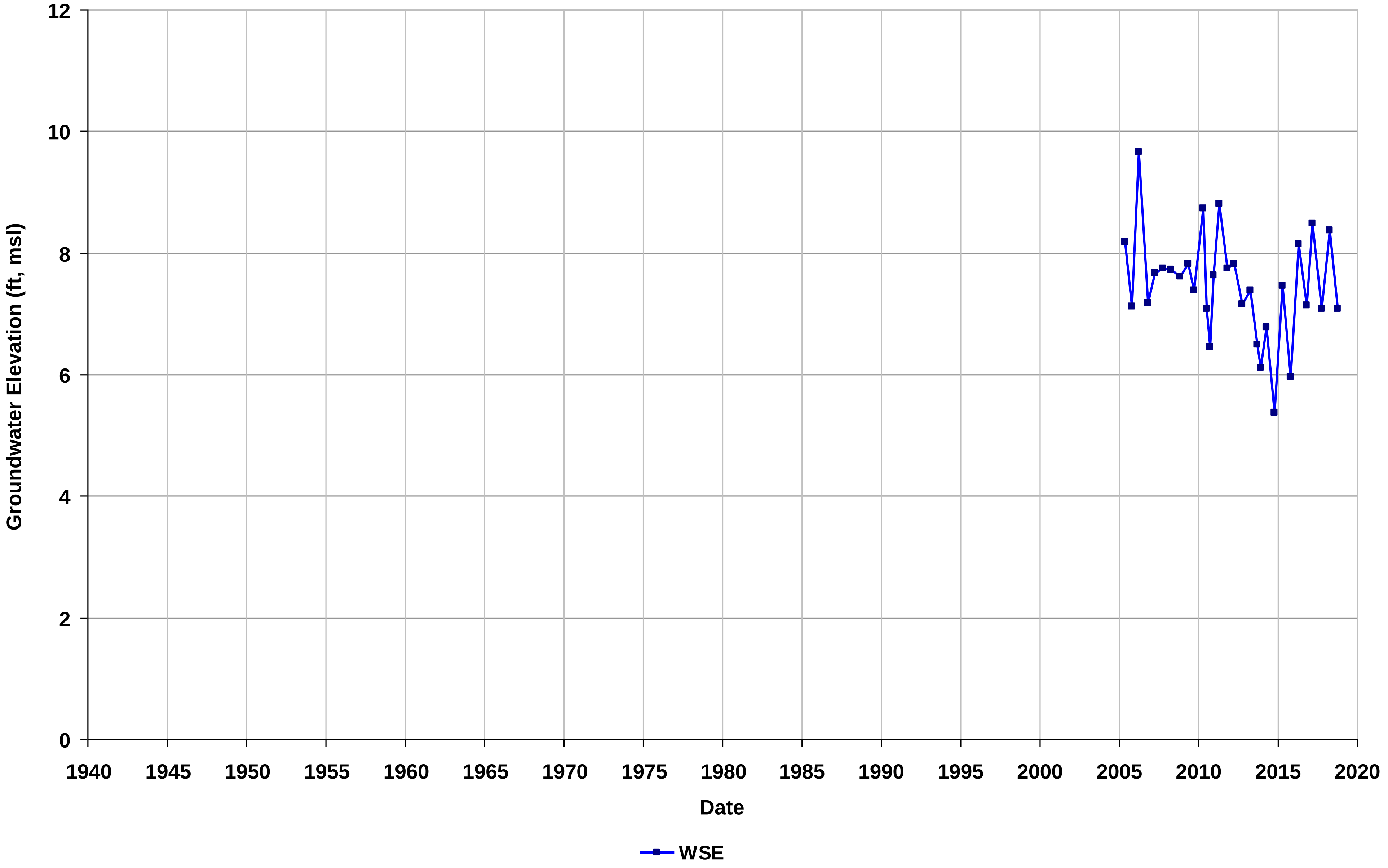
Well Name: SL20268886-MW-19
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 11-21
T/R/S: n/a
Well Use: Observation



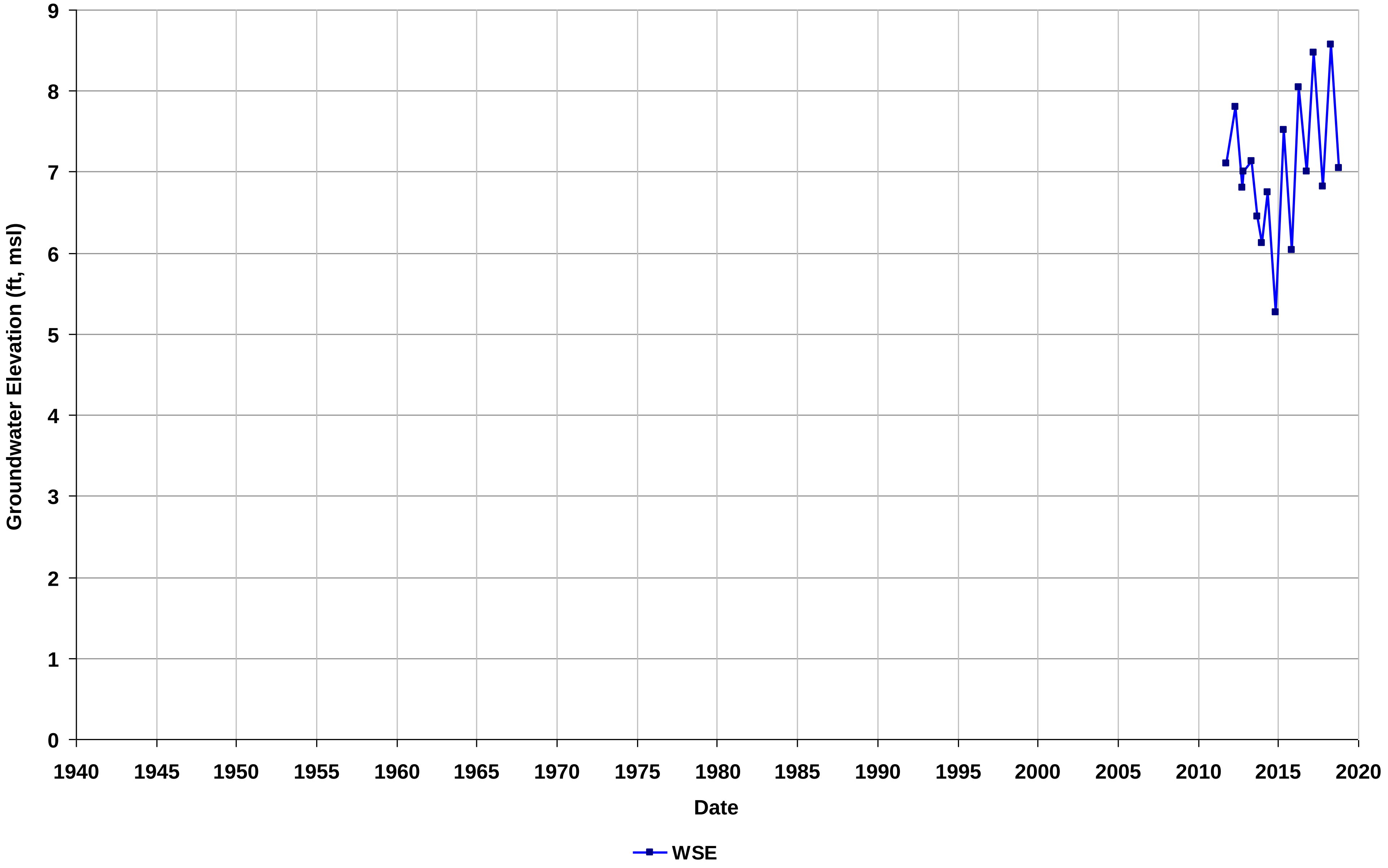
Well Name: SL20268886-MW-2
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 22
Perf. Interval (ft bgs): 12-22
T/R/S: n/a
Well Use: Observation



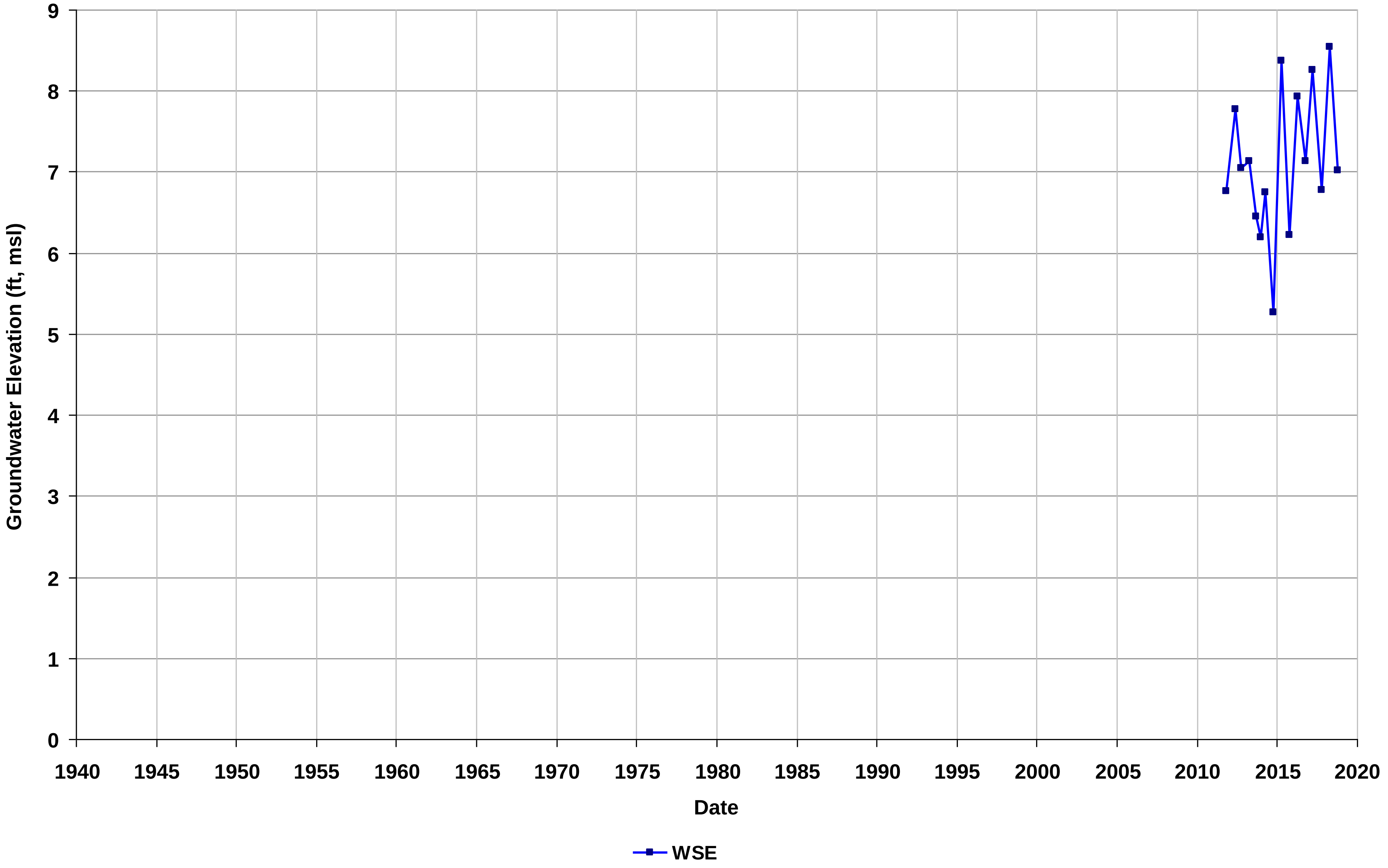
Well Name: SL20268886-MW-20L
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 22
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



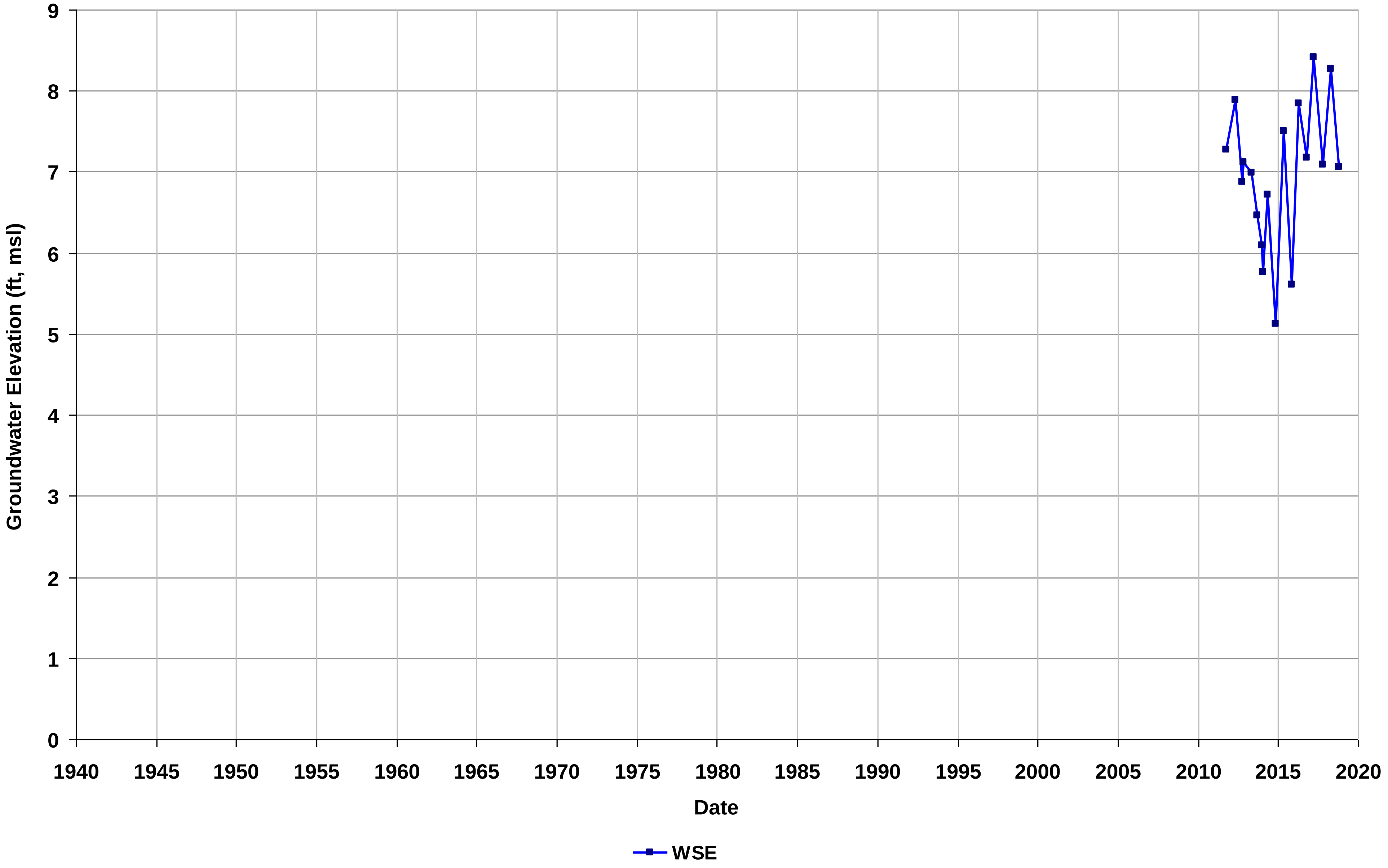
Well Name: SL20268886-MW-20U
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 14
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



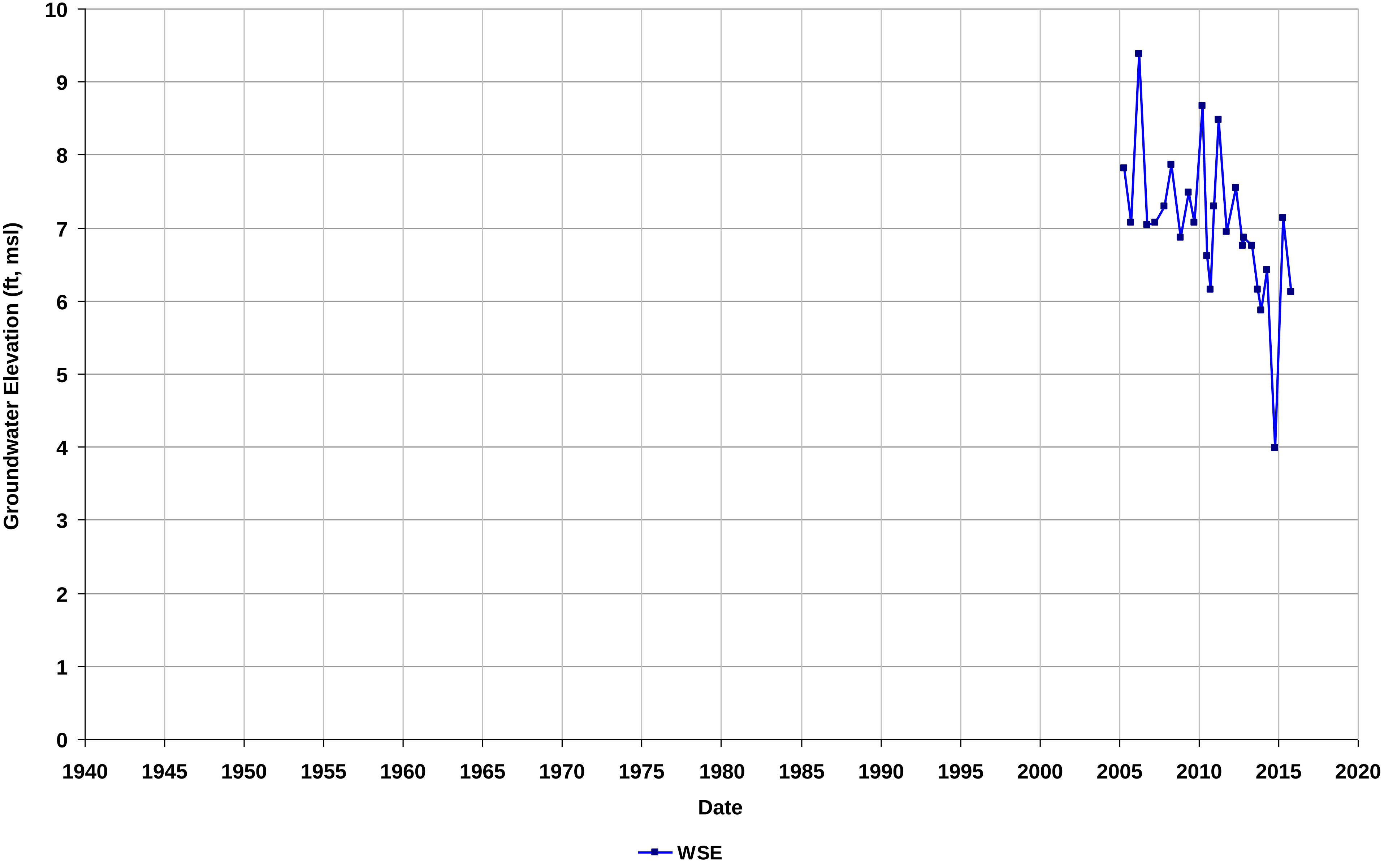
Well Name: SL20268886-MW-21L
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 22
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



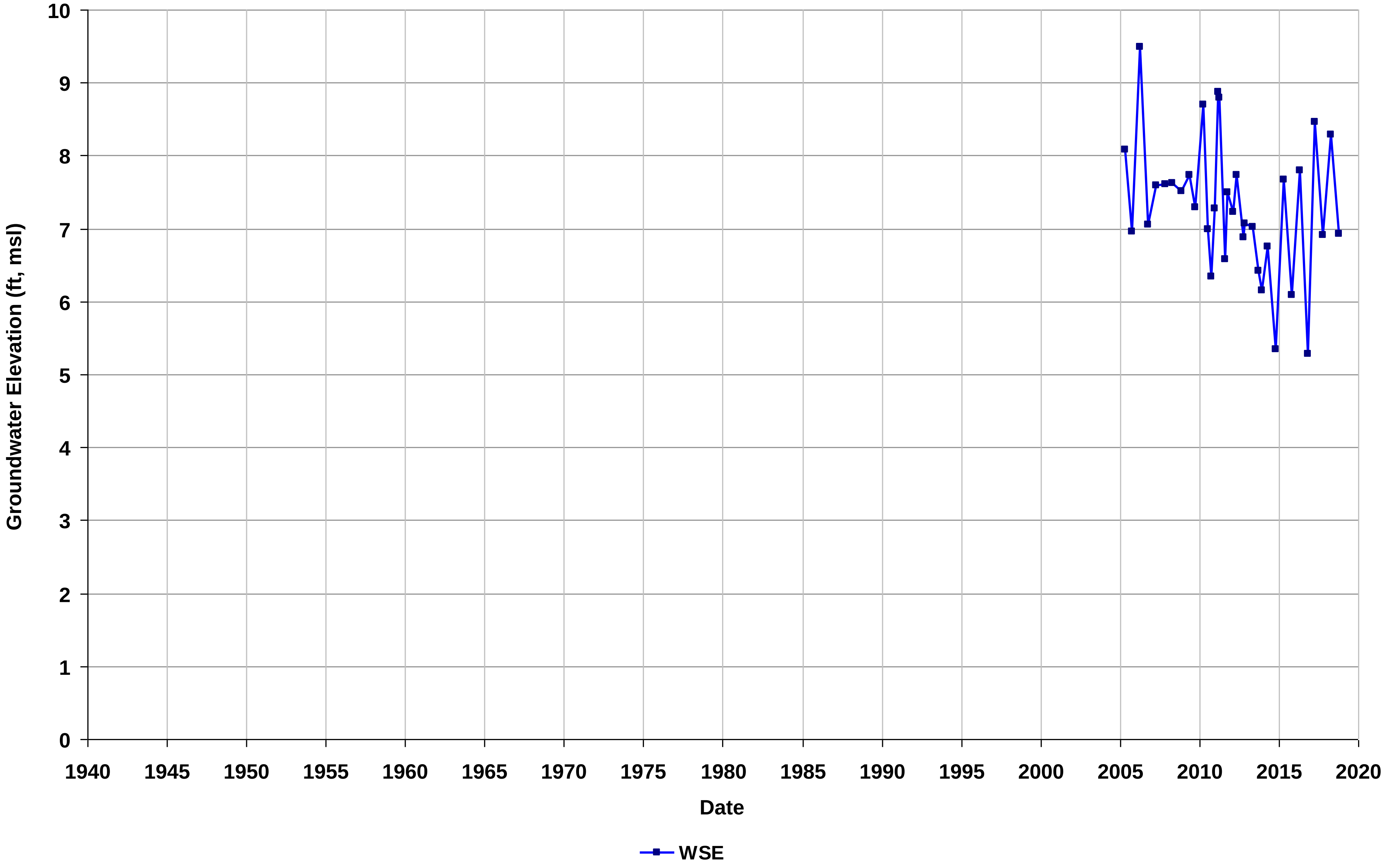
Well Name: SL20268886-MW-3
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 22
Perf. Interval (ft bgs): 12-22
T/R/S: n/a
Well Use: Observation



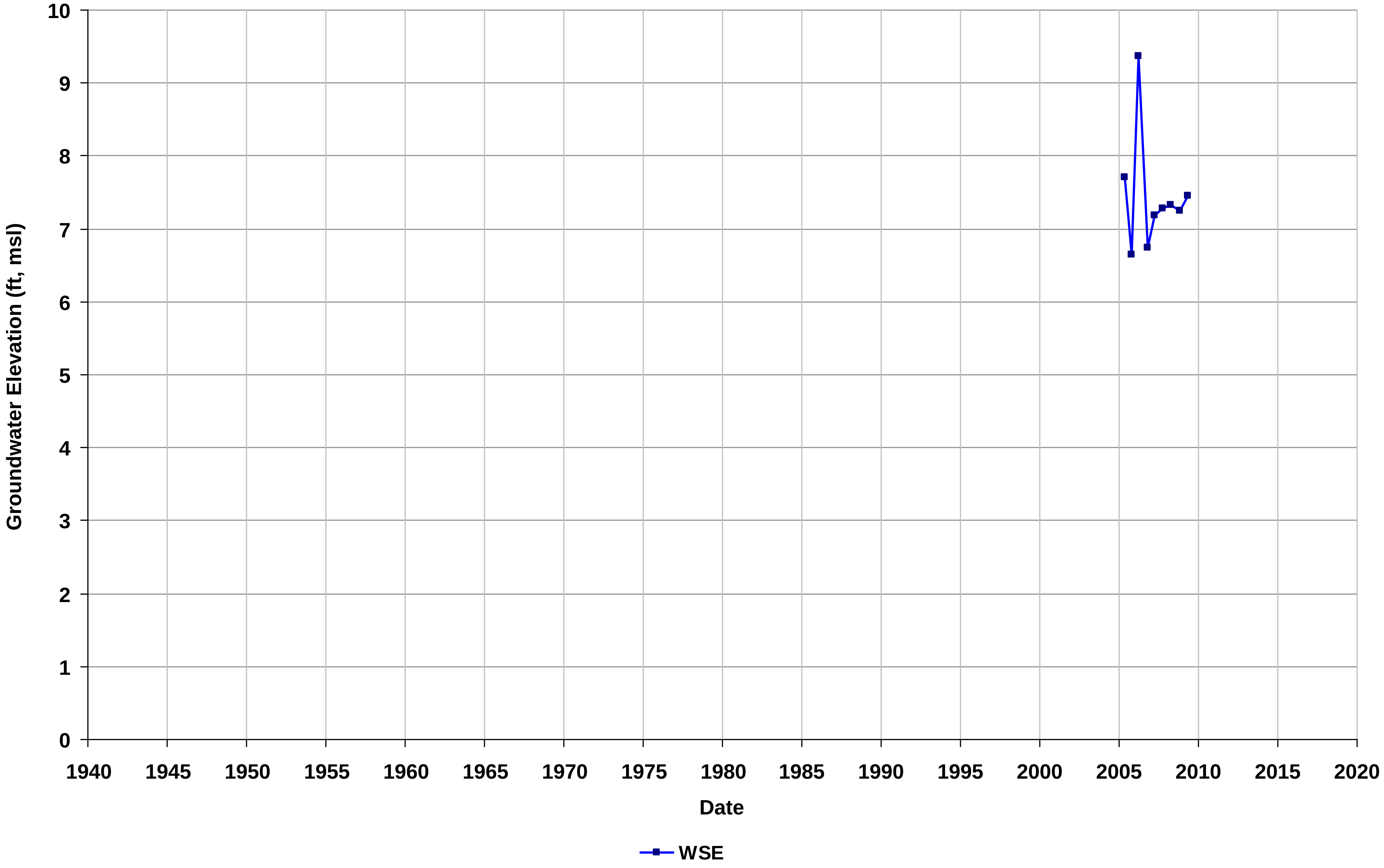
Well Name: SL20268886-MW-4
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 23
Perf. Interval (ft bgs): 13.5-24
T/R/S: n/a
Well Use: Observation



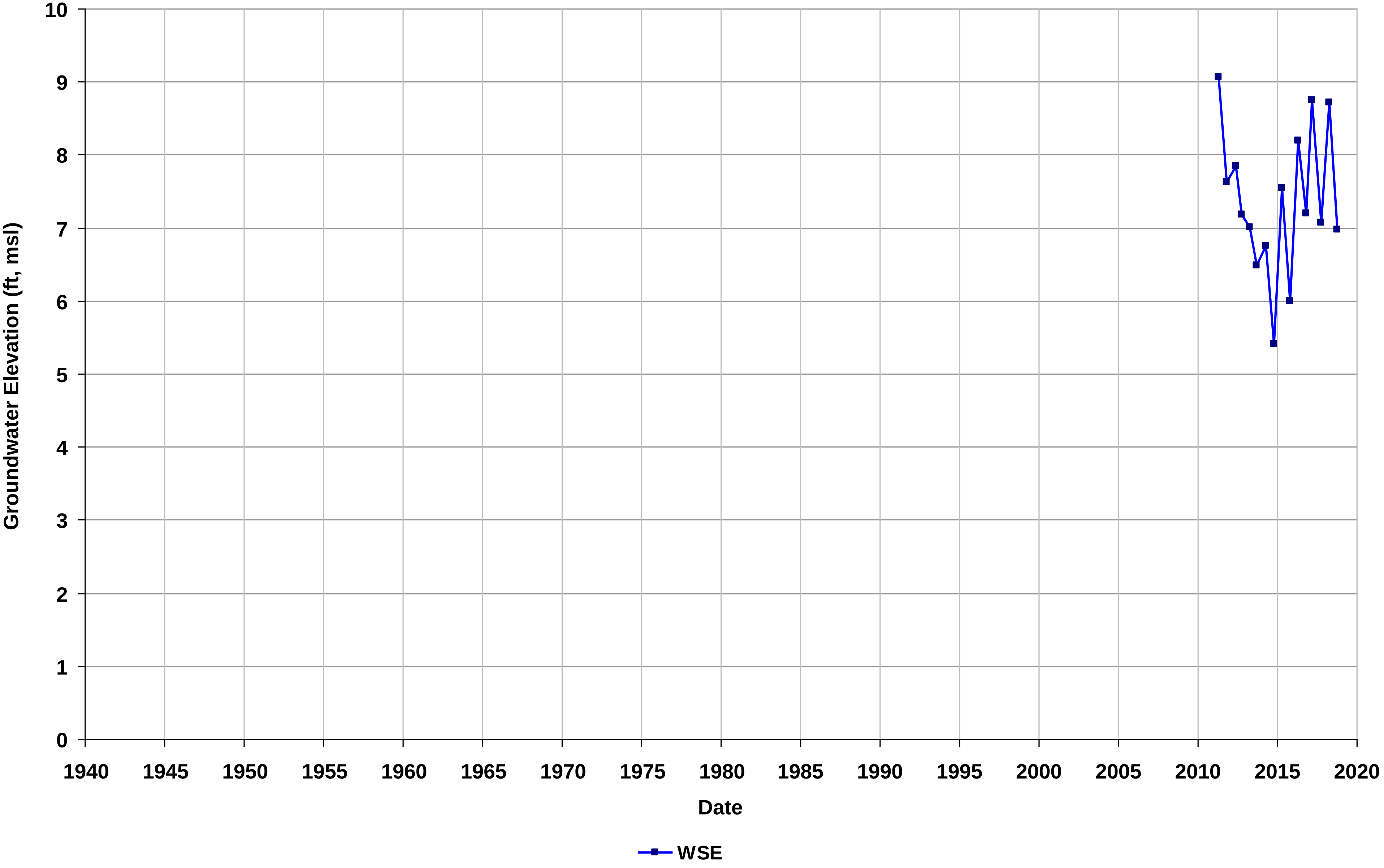
Well Name: SL20268886-MW-6
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 12-22
T/R/S: n/a
Well Use: Observation



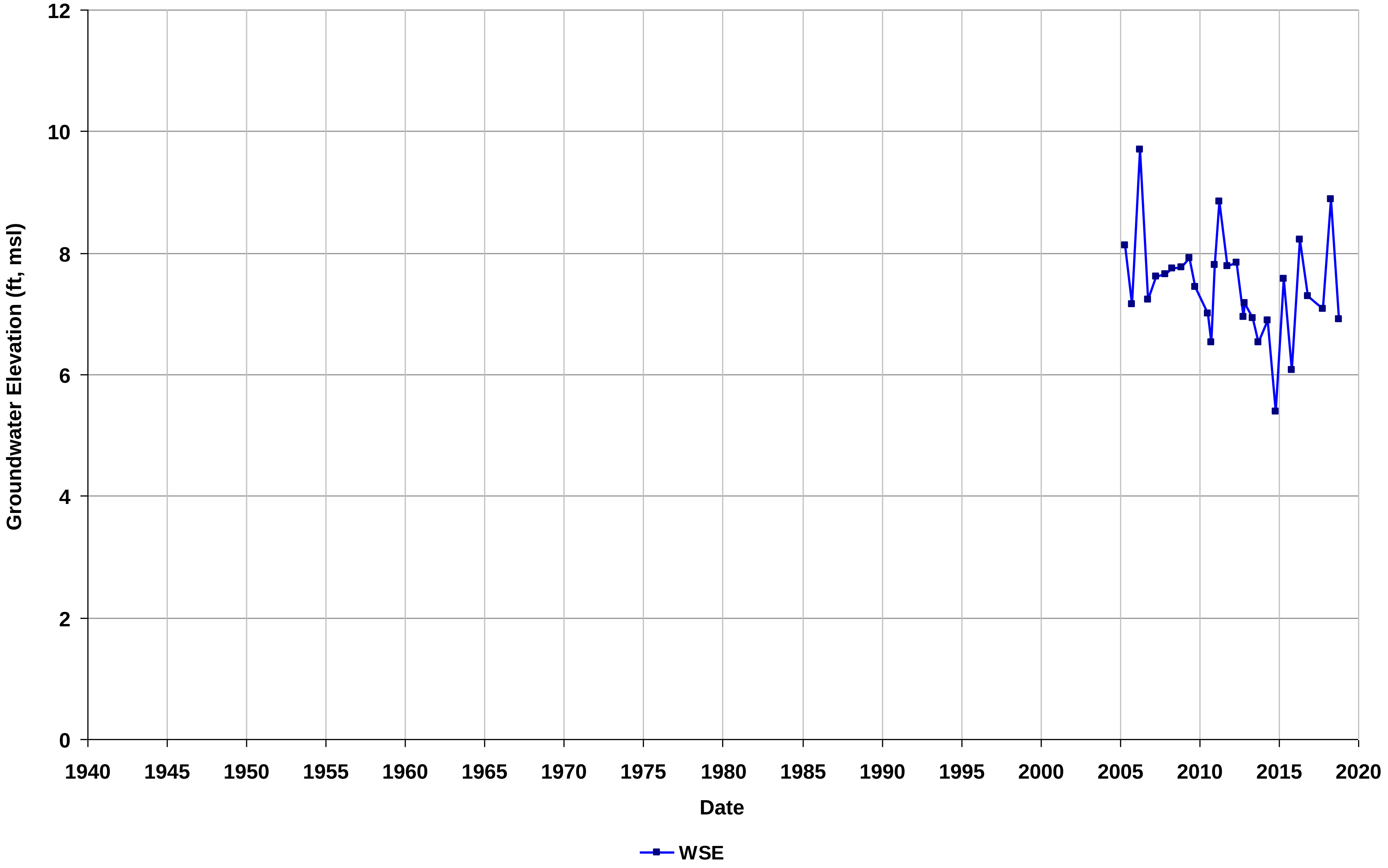
Well Name: SL20268886-MW-6R
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 23
Perf. Interval (ft bgs): 11-21
T/R/S: n/a
Well Use: Observation



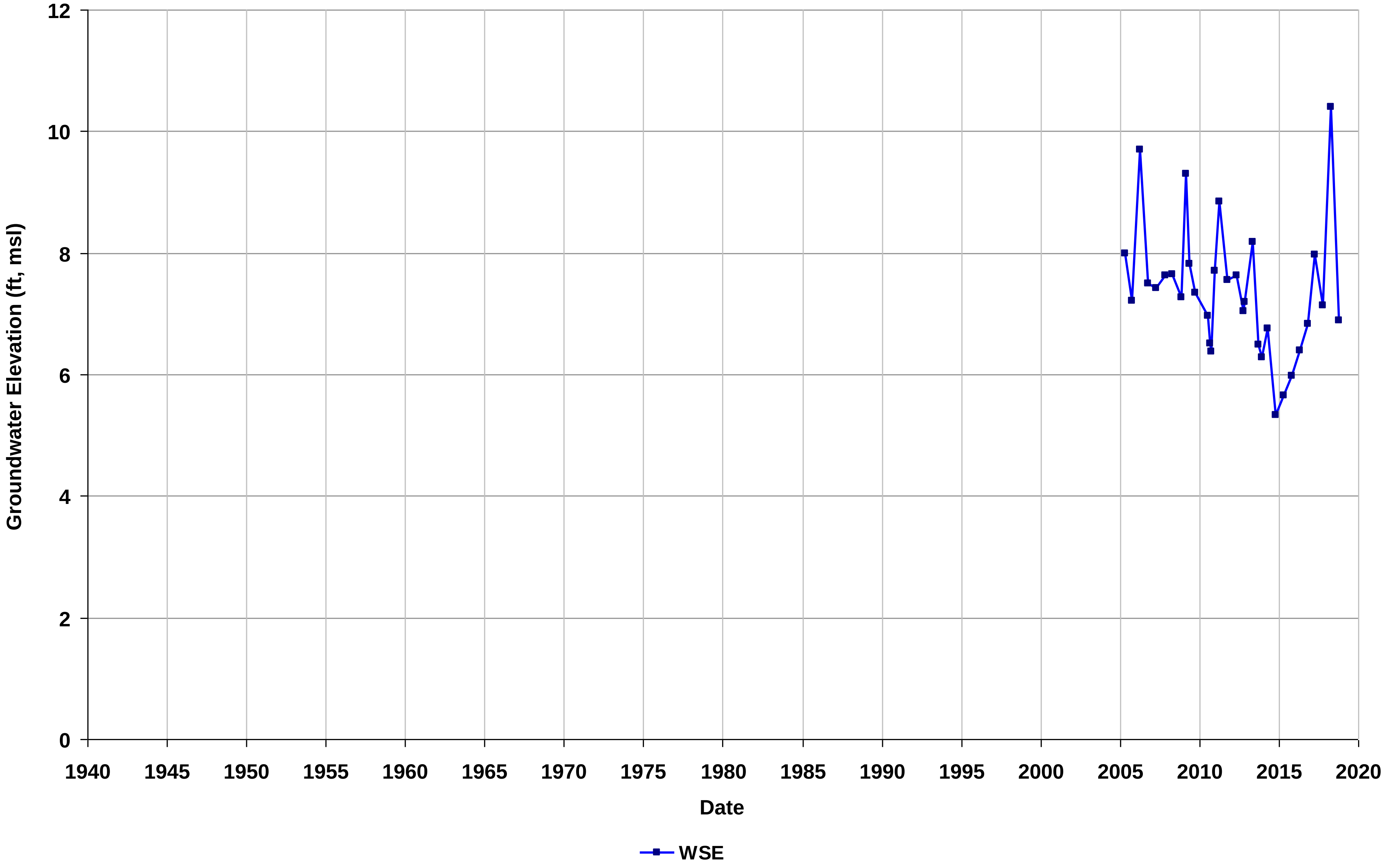
Well Name: SL20268886-MW-7
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 22
Perf. Interval (ft bgs): 12-22
T/R/S: n/a
Well Use: Observation



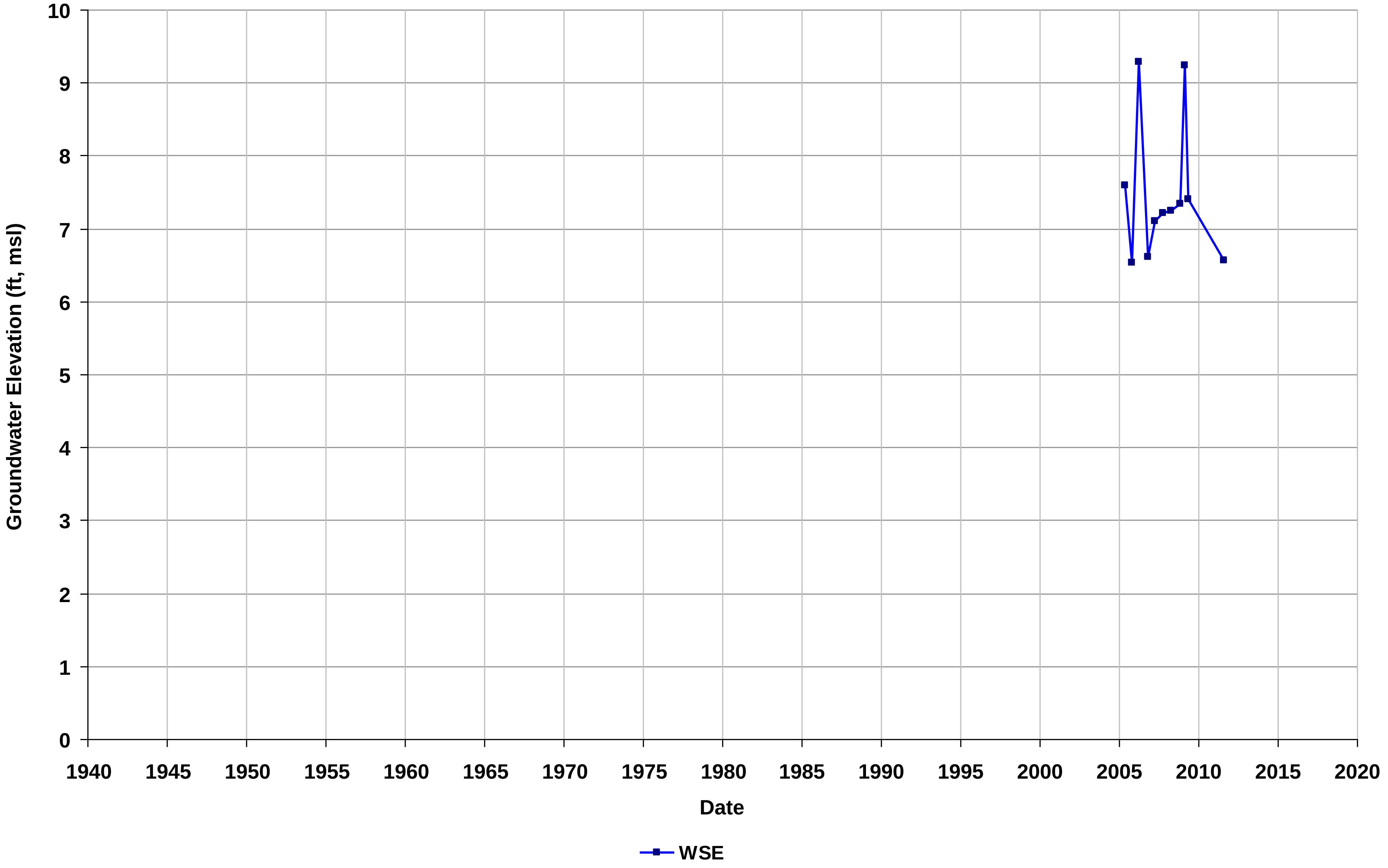
Well Name: SL20268886-MW-8
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 19
Perf. Interval (ft bgs): 13.5-20
T/R/S: n/a
Well Use: Observation



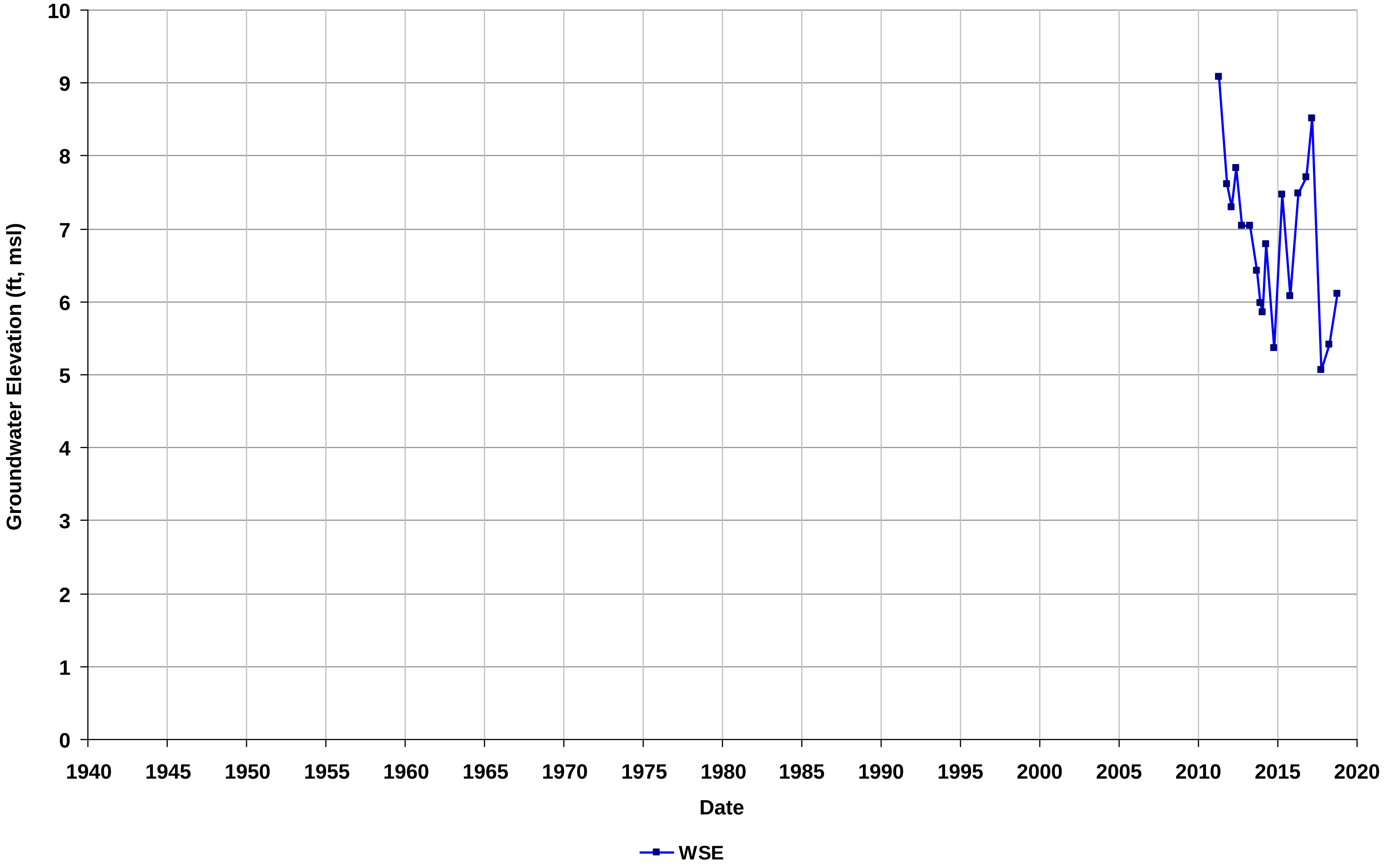
Well Name: SL20268886-MW-9
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 11.5-22
T/R/S: n/a
Well Use: Observation



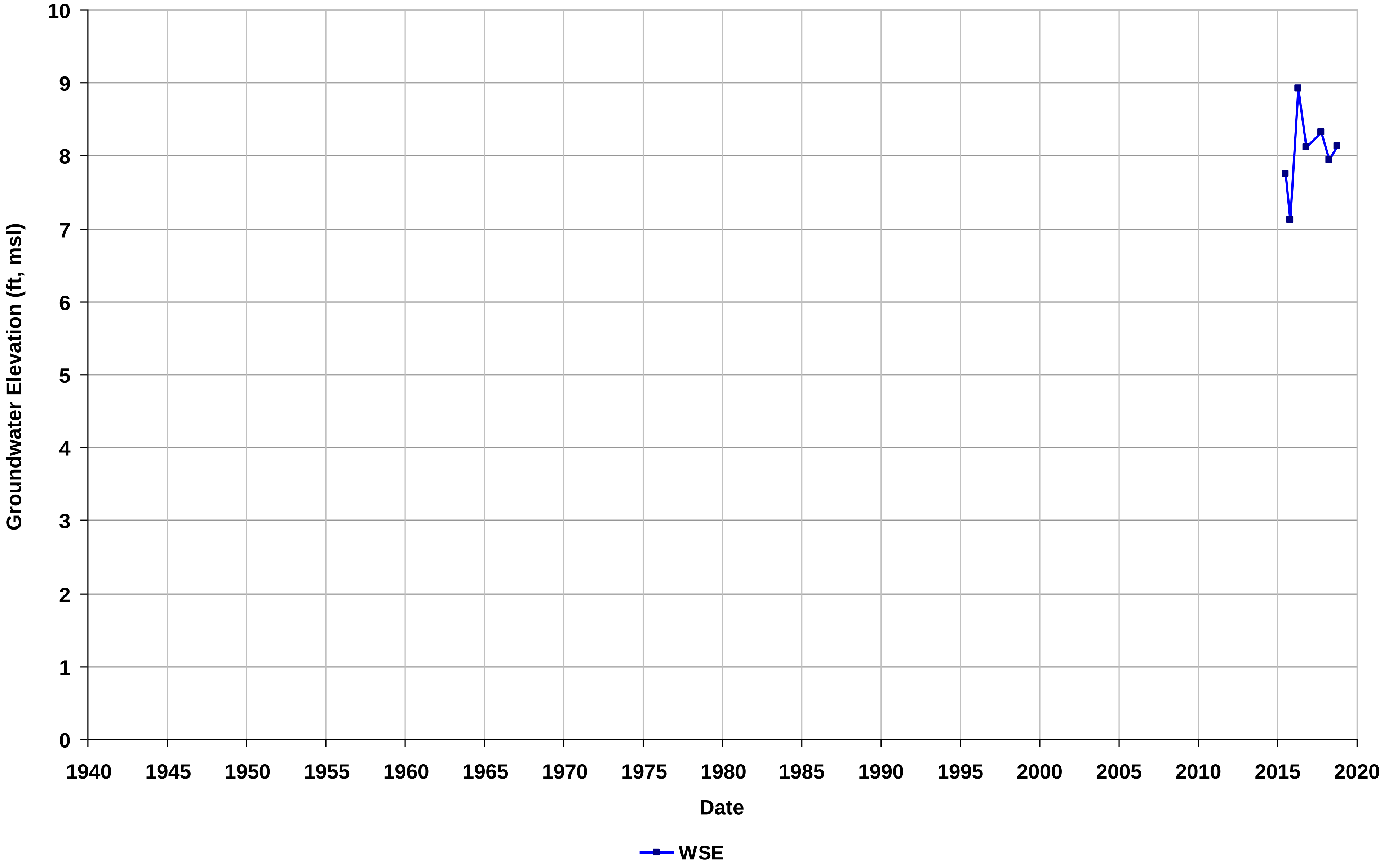
Well Name: SL20268886-MW-9R
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 21
Perf. Interval (ft bgs): 11-21
T/R/S: n/a
Well Use: Observation



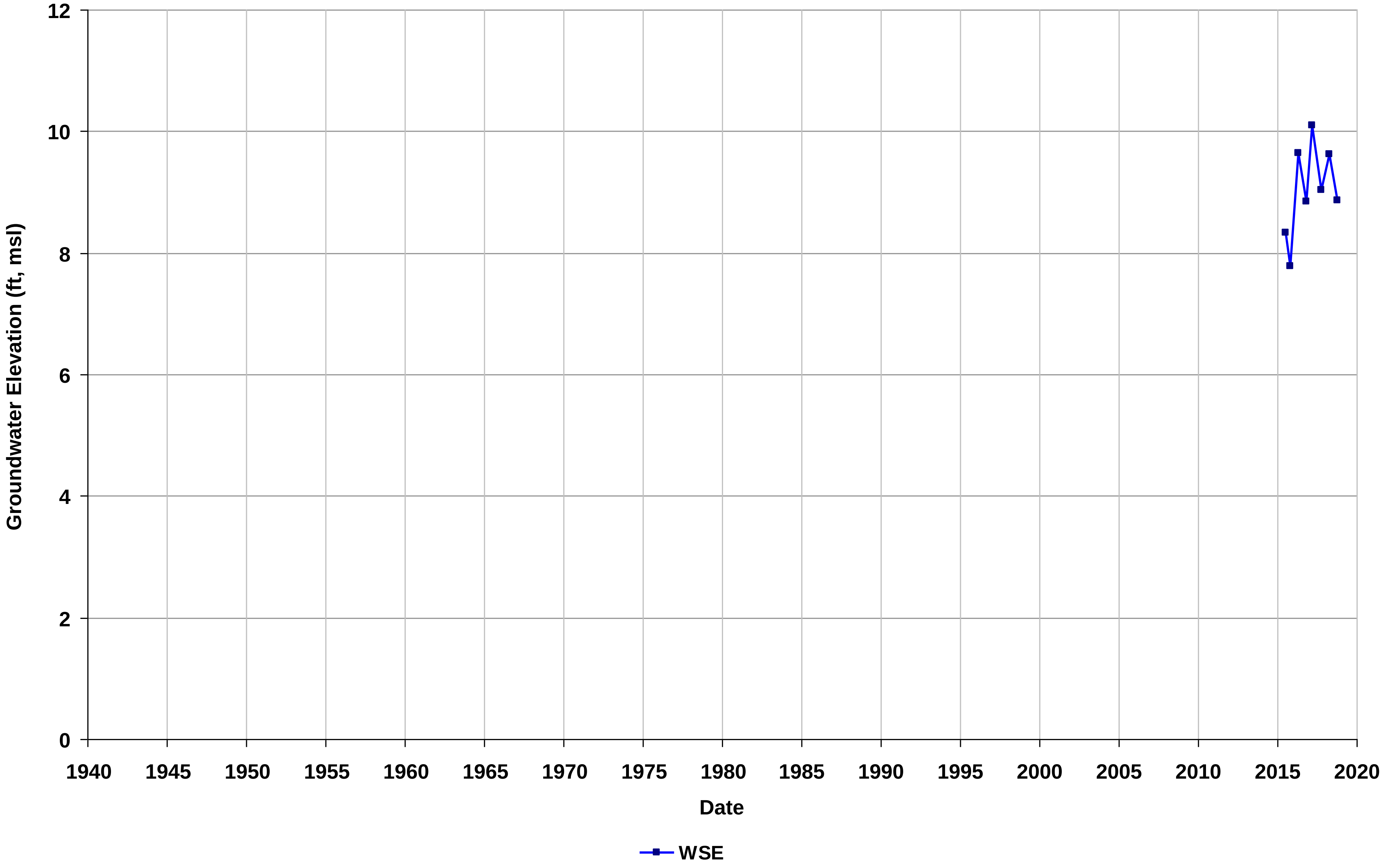
Well Name: SL20268886-MW-NEW17
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 48
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



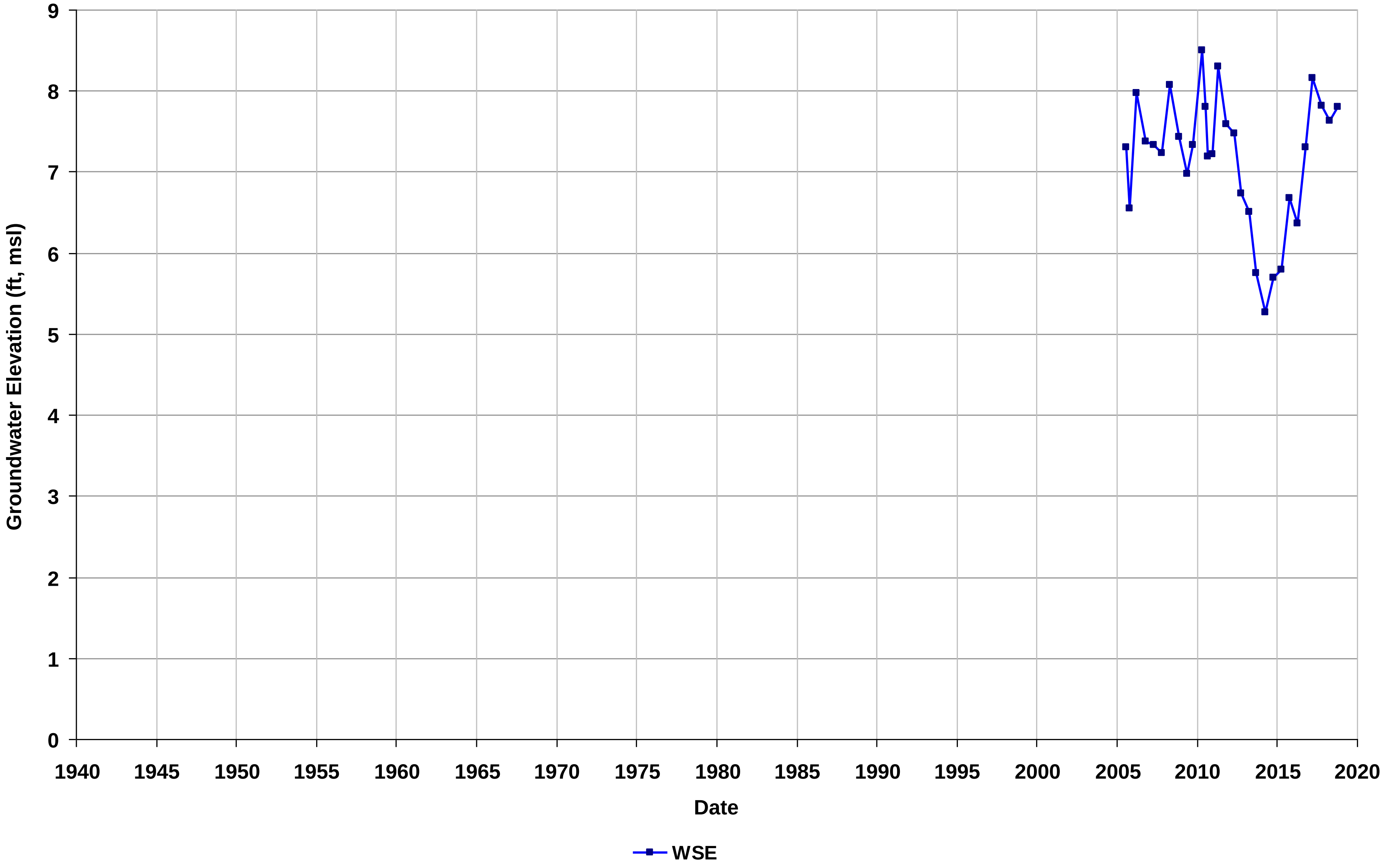
Well Name: SL20268886-MW-NEW18
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 50
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



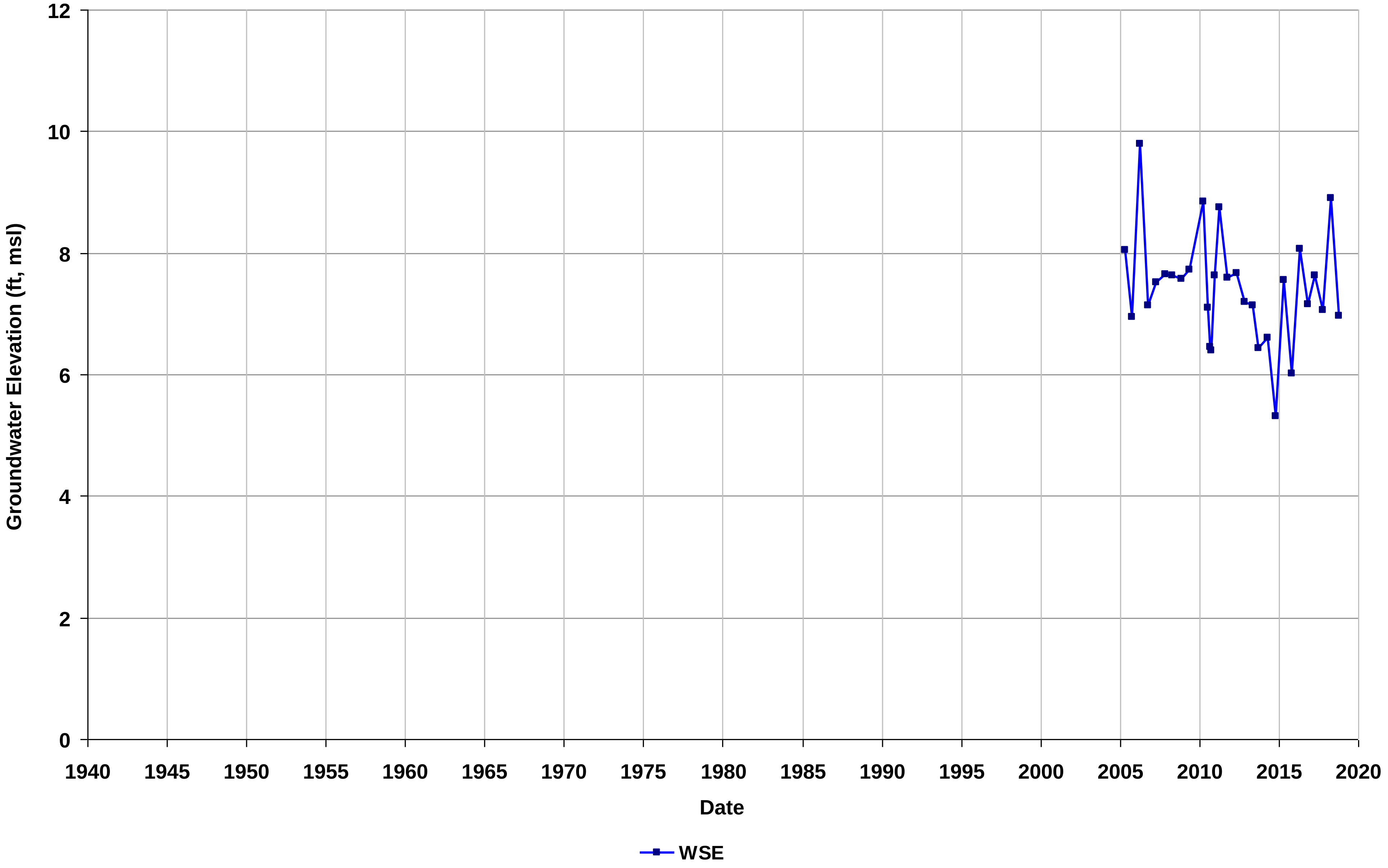
Well Name: SL20268886-MW-NEW8
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 51
Perf. Interval (ft bgs): 40-50
T/R/S: n/a
Well Use: Observation



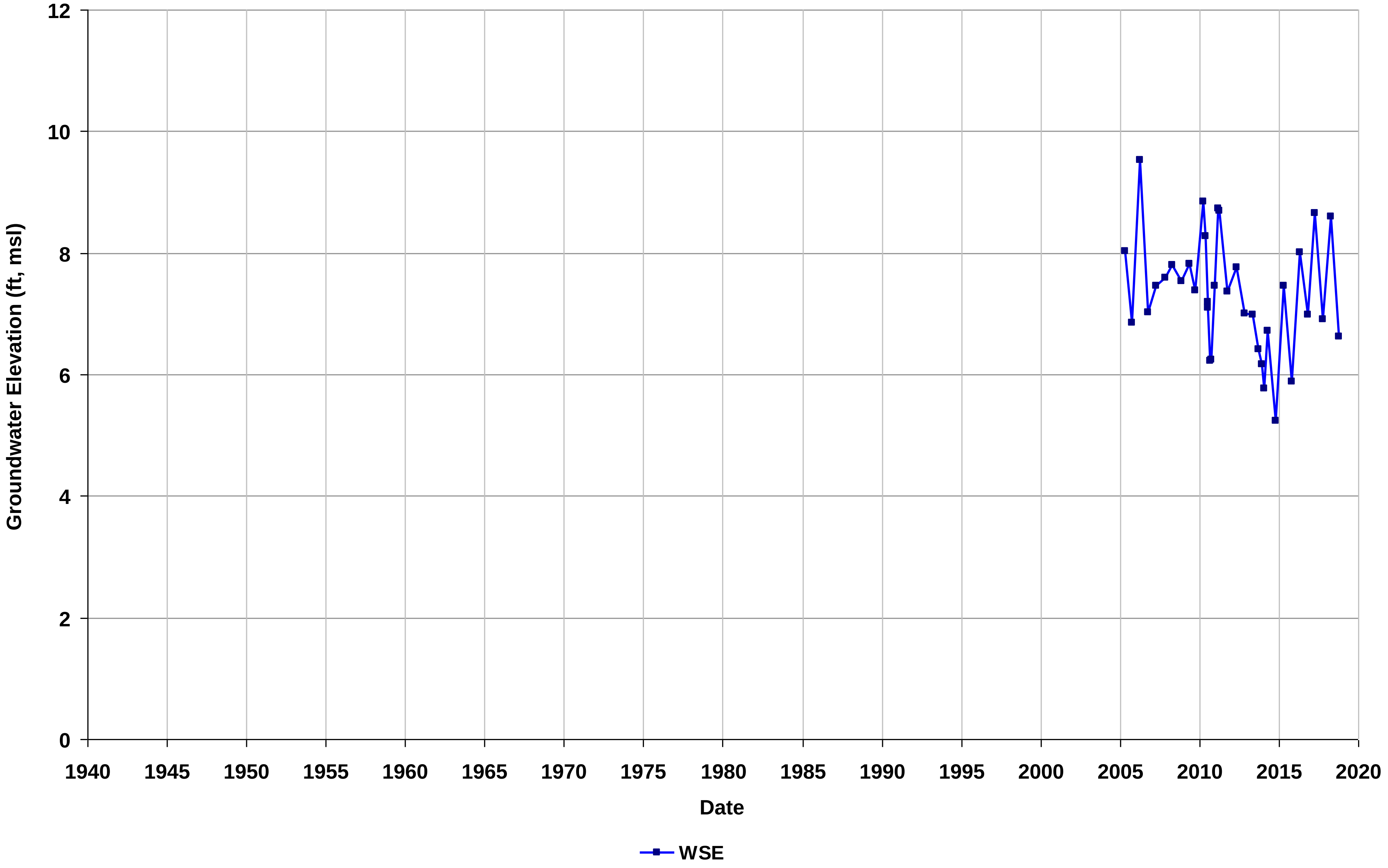
Well Name: SL20268886-MW-OS1
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 22
Perf. Interval (ft bgs): 11.5-22
T/R/S: n/a
Well Use: Observation



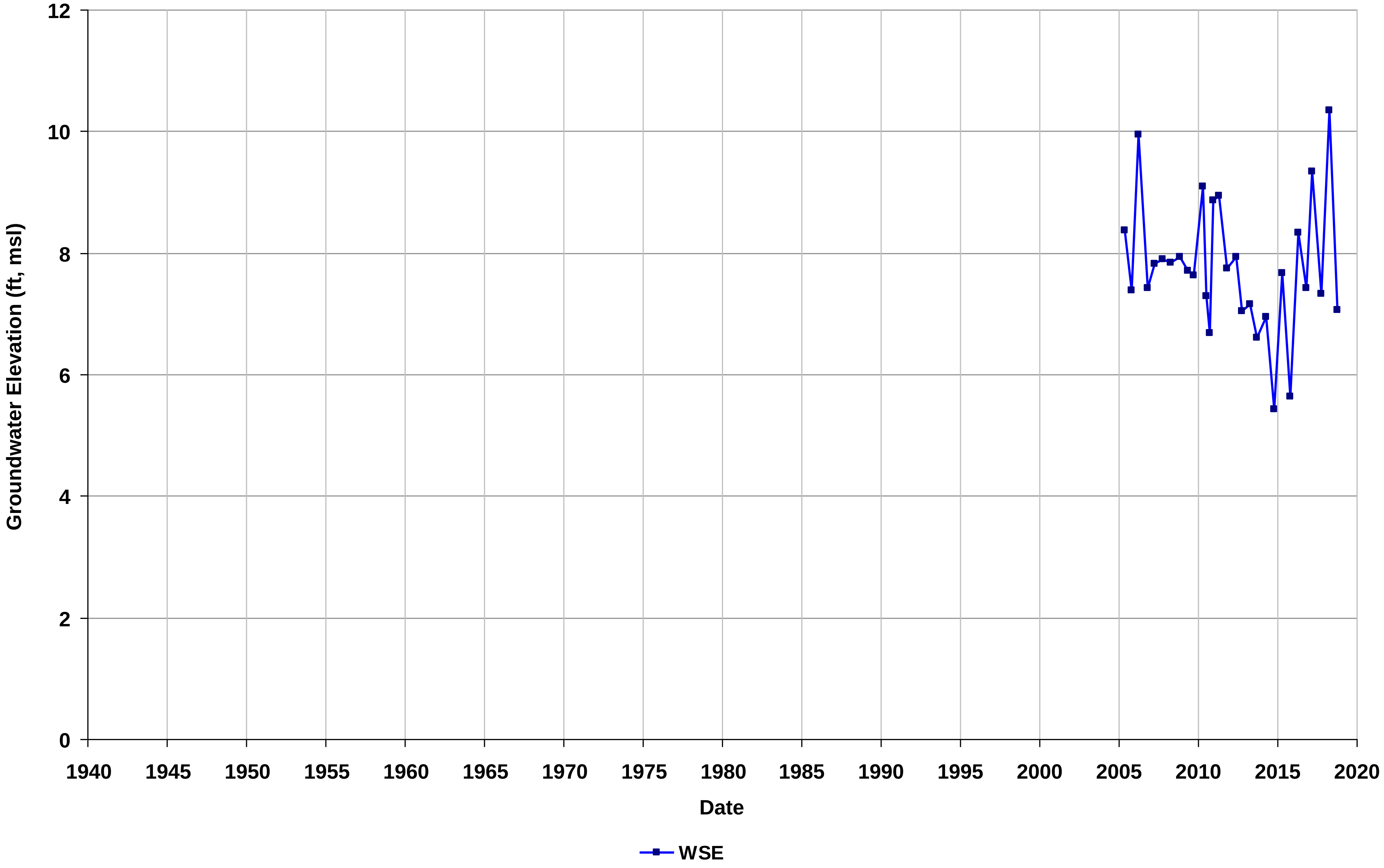
Well Name: SL20268886-MW-OS10A
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 21
Perf. Interval (ft bgs): 9-19
T/R/S: n/a
Well Use: Observation



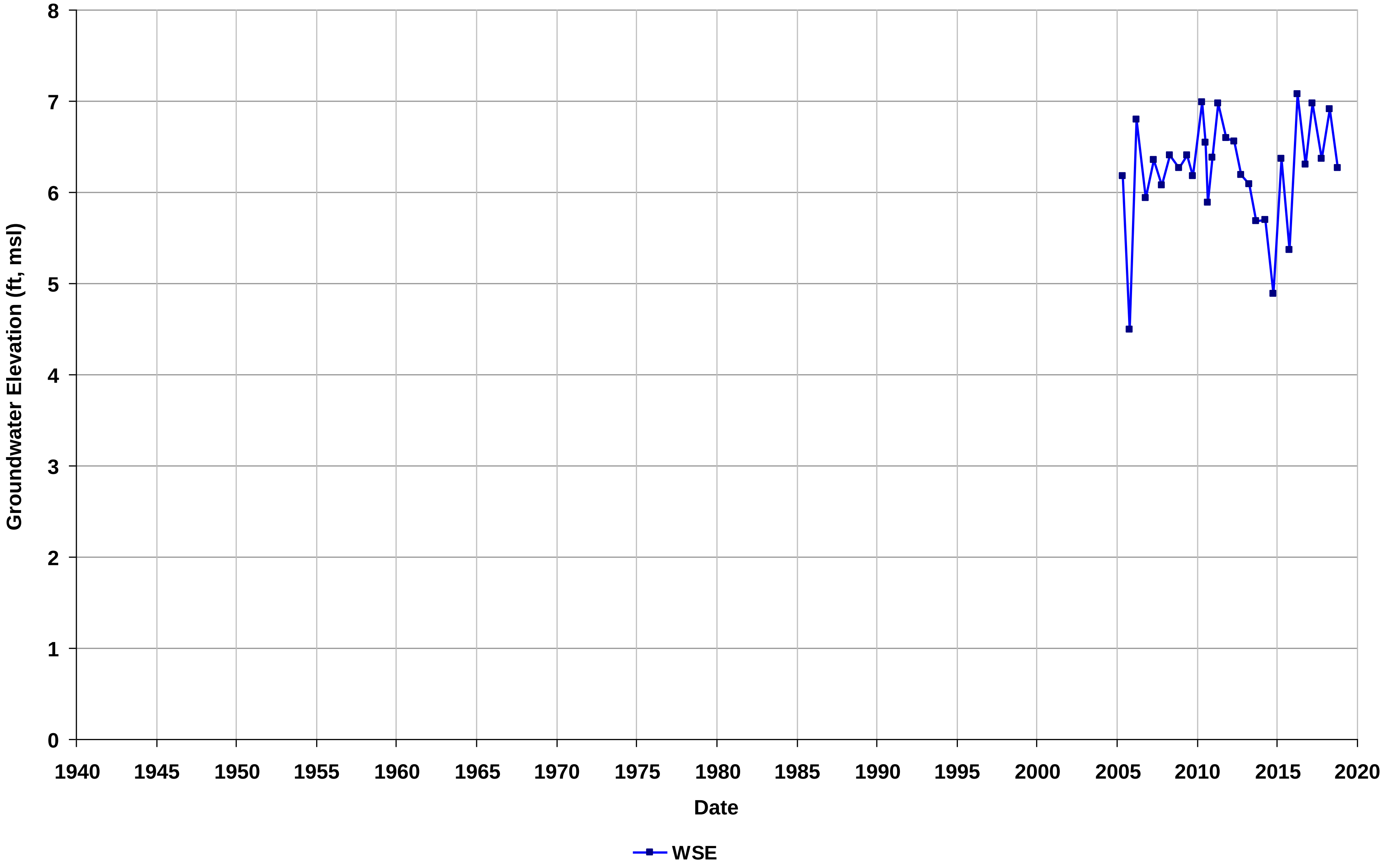
Well Name: SL20268886-MW-OS11A
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 26
Perf. Interval (ft bgs): 9-19
T/R/S: n/a
Well Use: Observation



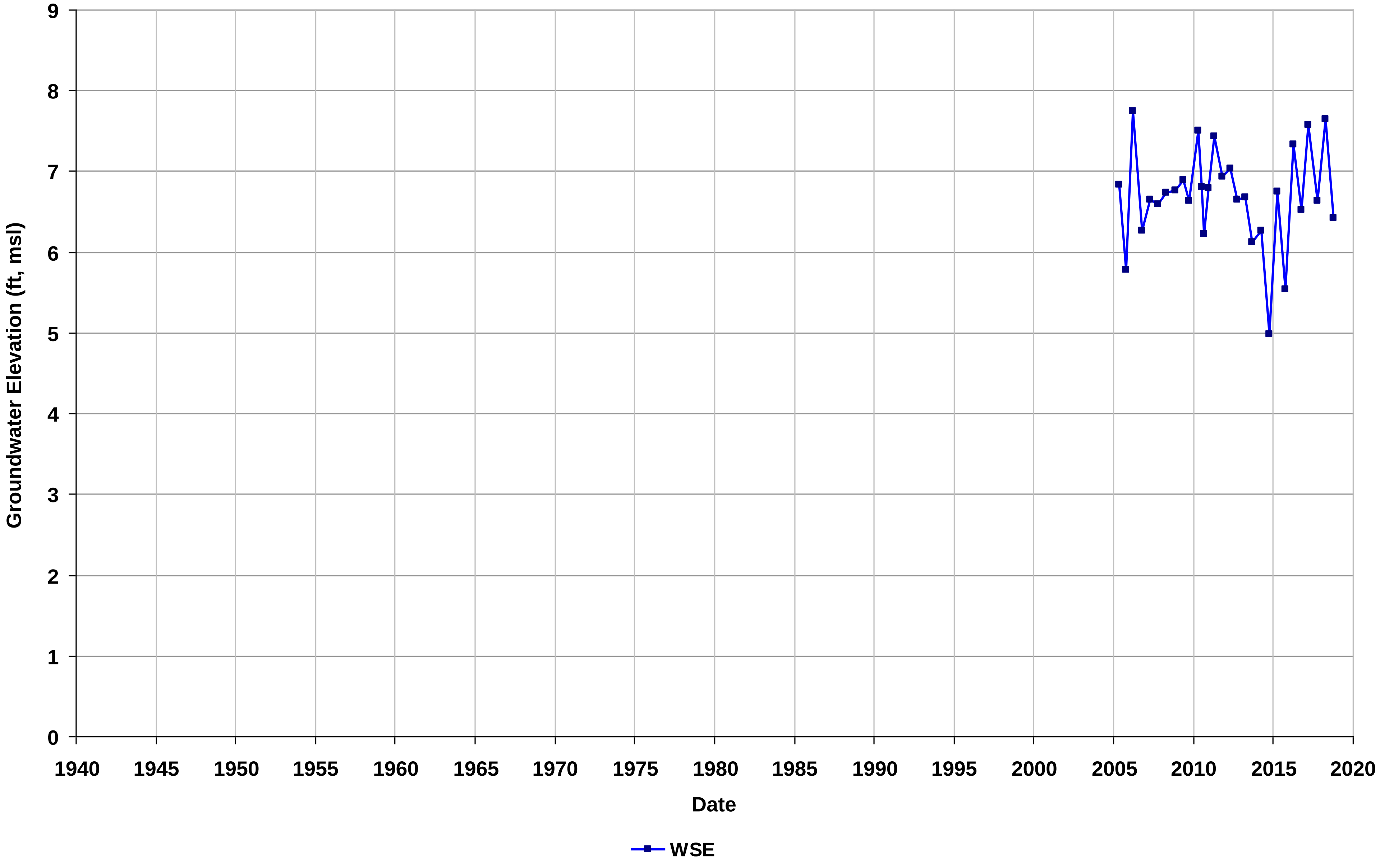
Well Name: SL20268886-MW-OS12
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 9-19
T/R/S: n/a
Well Use: Observation



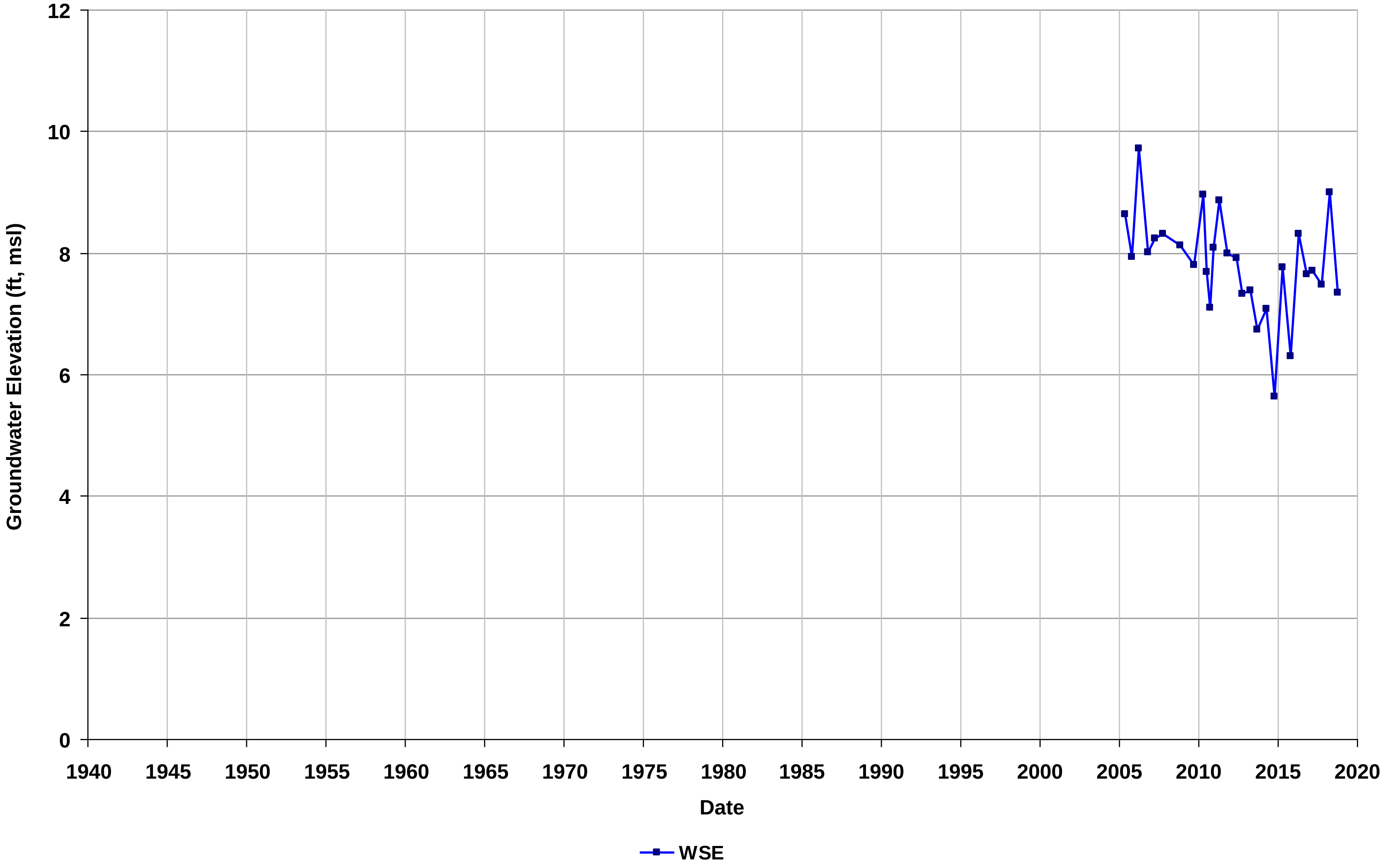
Well Name: SL20268886-MW-OS13
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 21
Perf. Interval (ft bgs): 9-19
T/R/S: n/a
Well Use: Observation



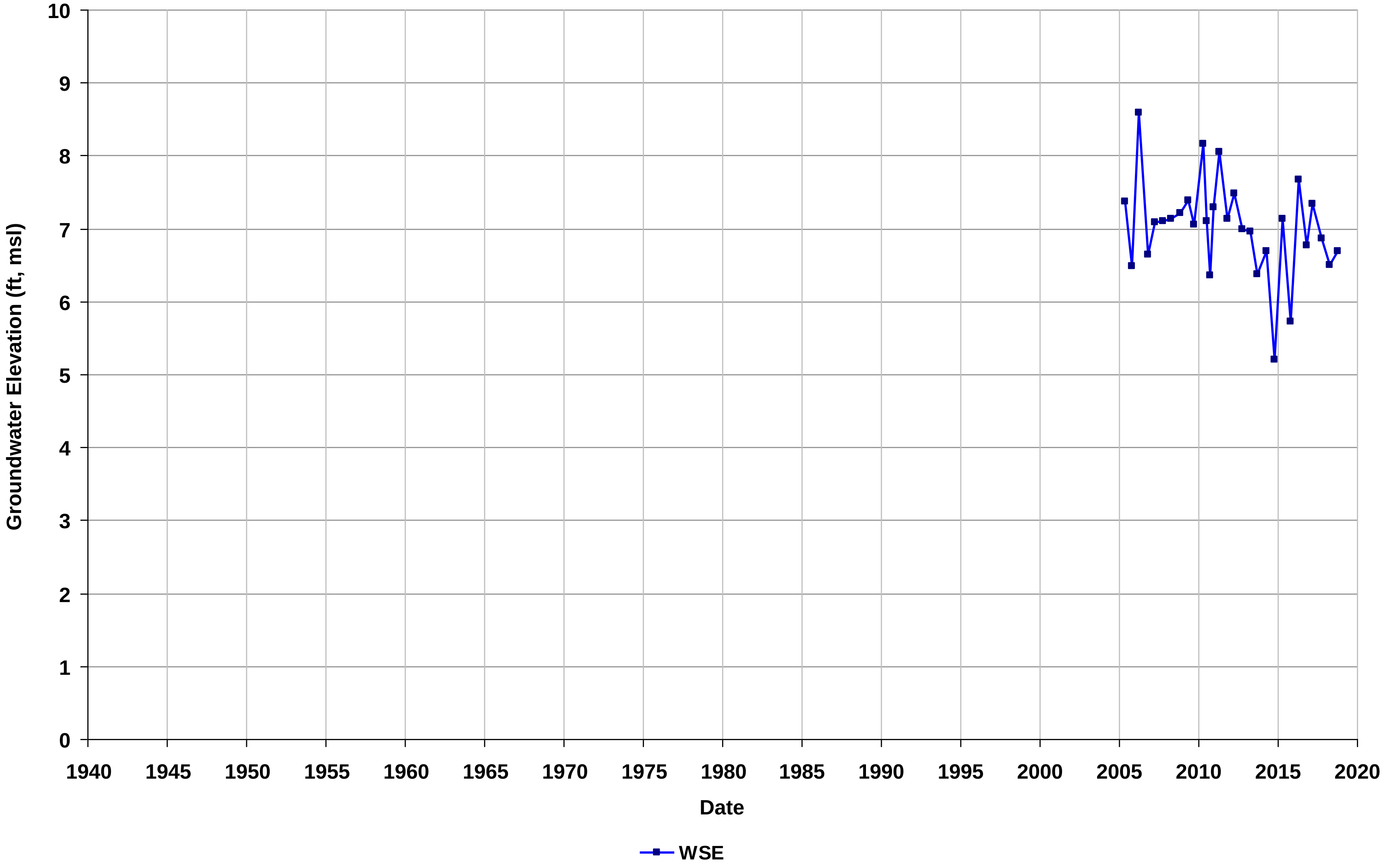
Well Name: SL20268886-MW-OS14
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 11
Perf. Interval (ft bgs): 9-19
T/R/S: n/a
Well Use: Observation



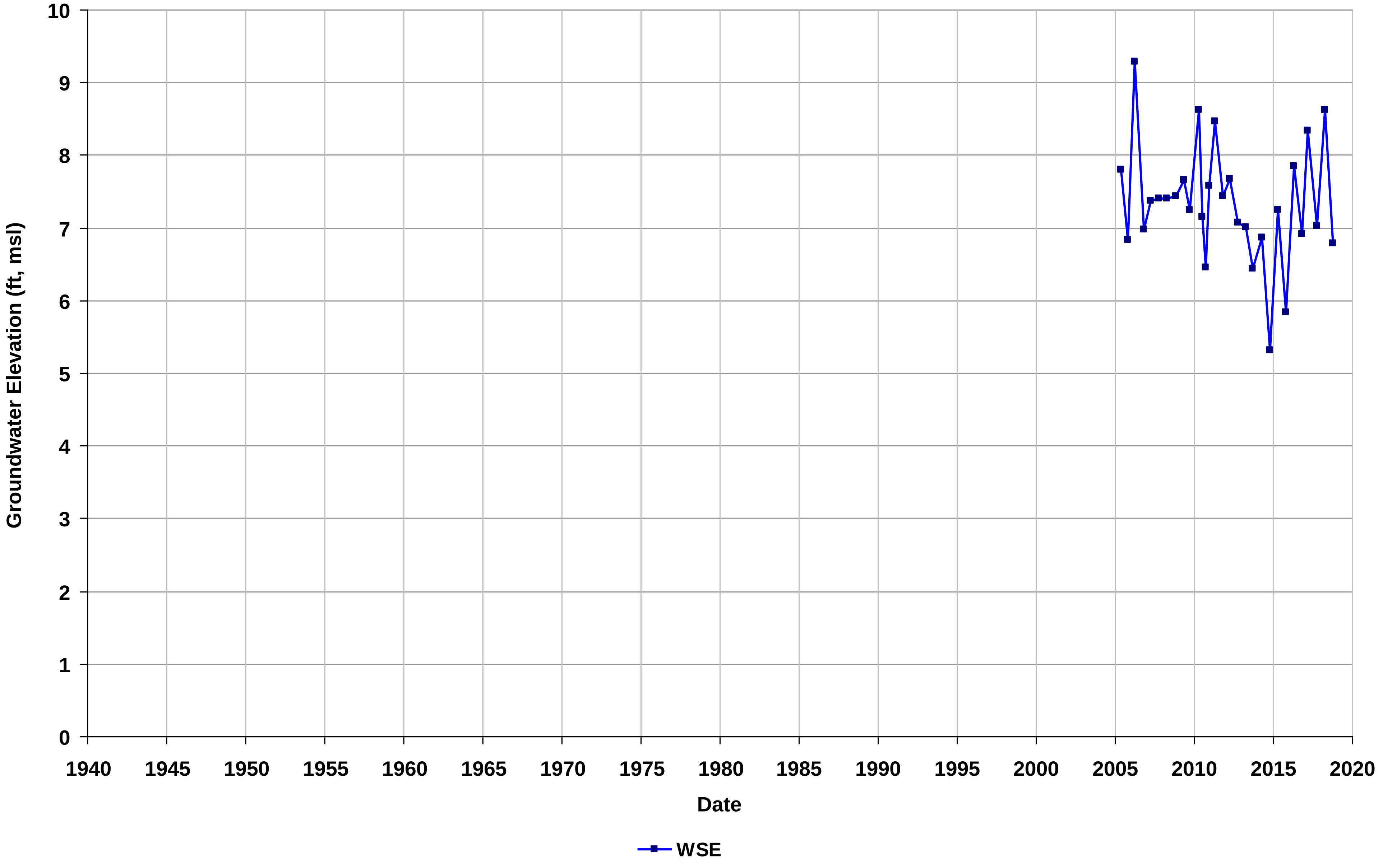
Well Name: SL20268886-MW-OS15
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 22
Perf. Interval (ft bgs): 9-19
T/R/S: n/a
Well Use: Observation



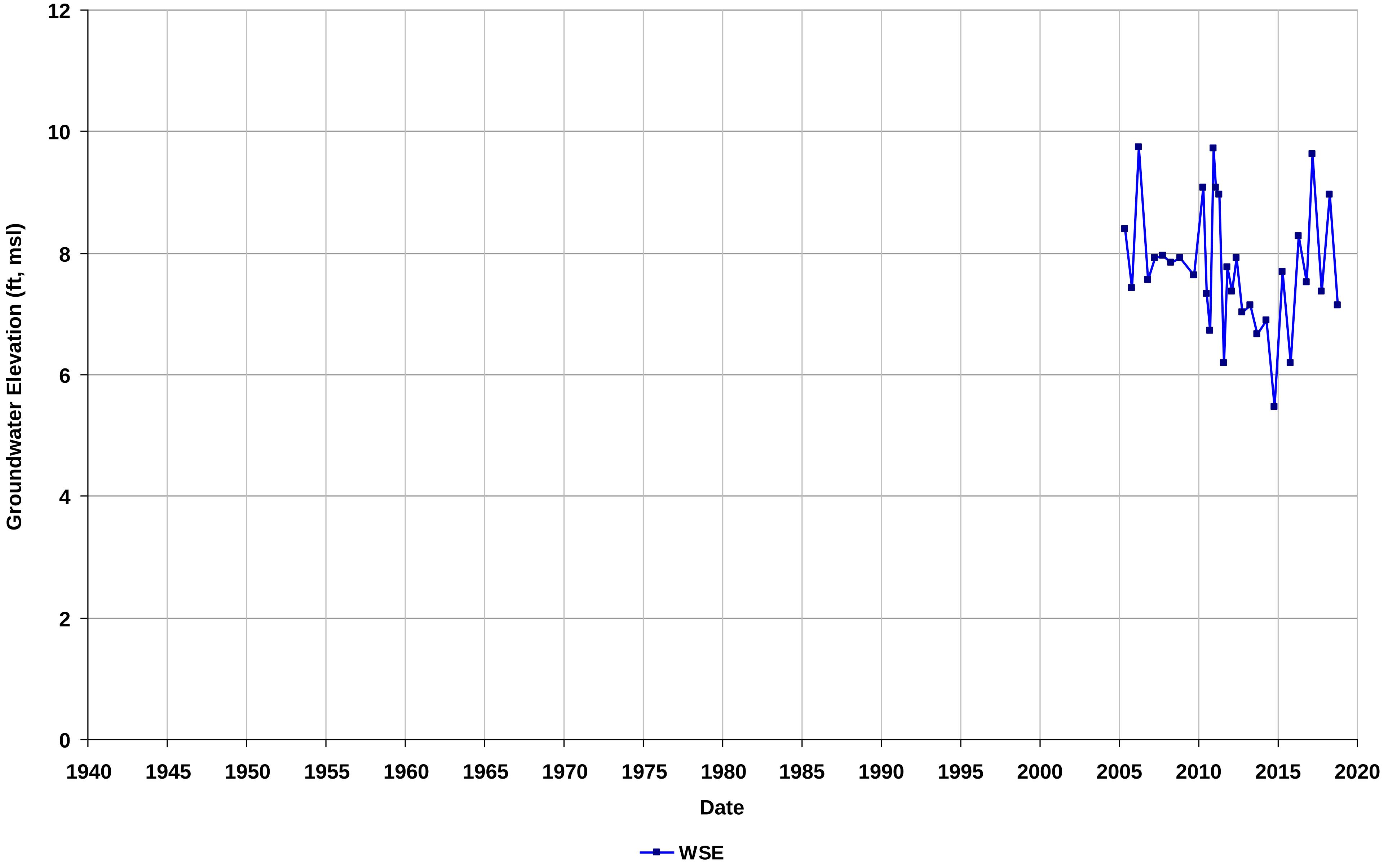
Well Name: SL20268886-MW-OS16
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 21
Perf. Interval (ft bgs): 9-19
T/R/S: n/a
Well Use: Observation



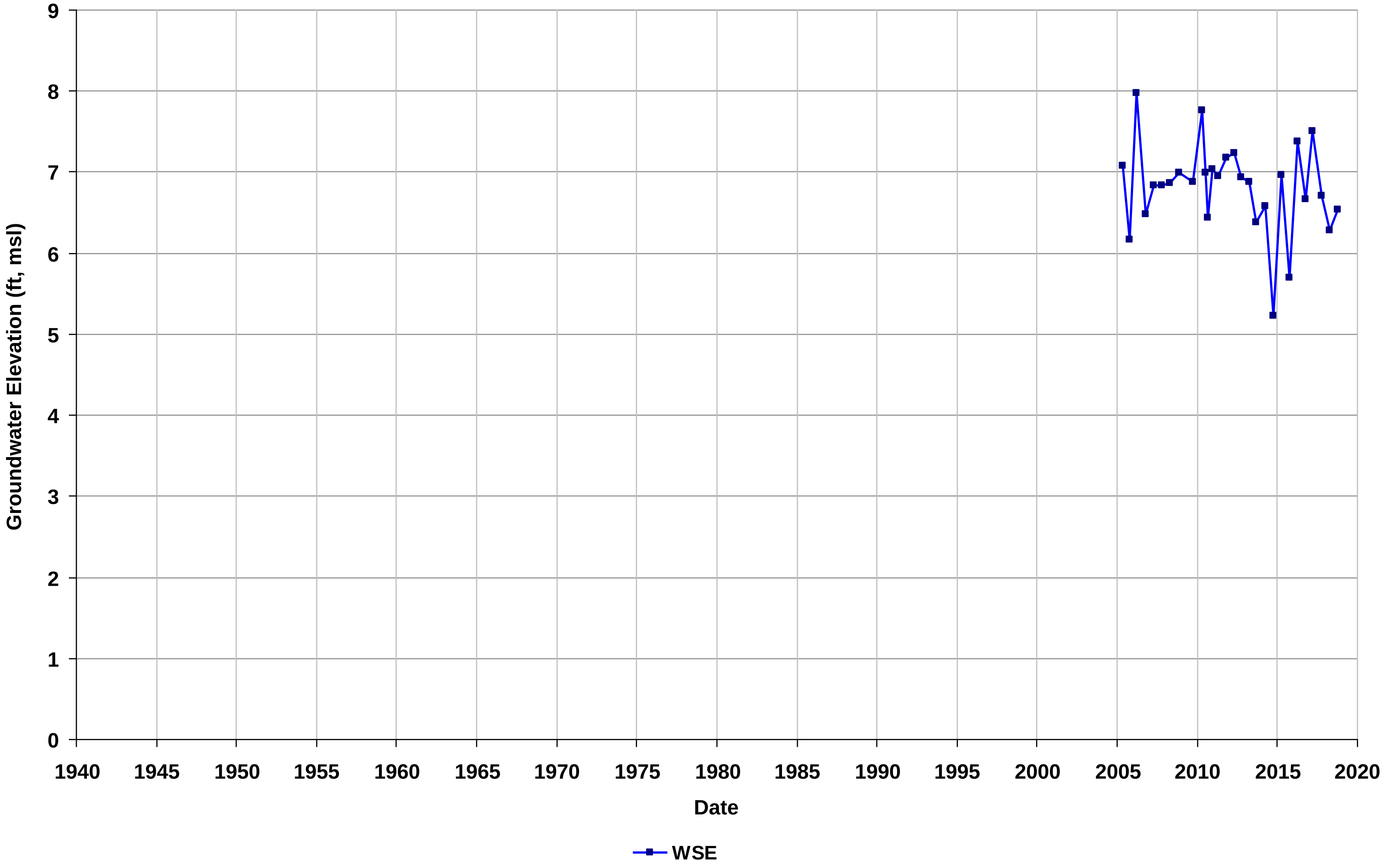
Well Name: SL20268886-MW-OS17
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 9-19
T/R/S: n/a
Well Use: Observation



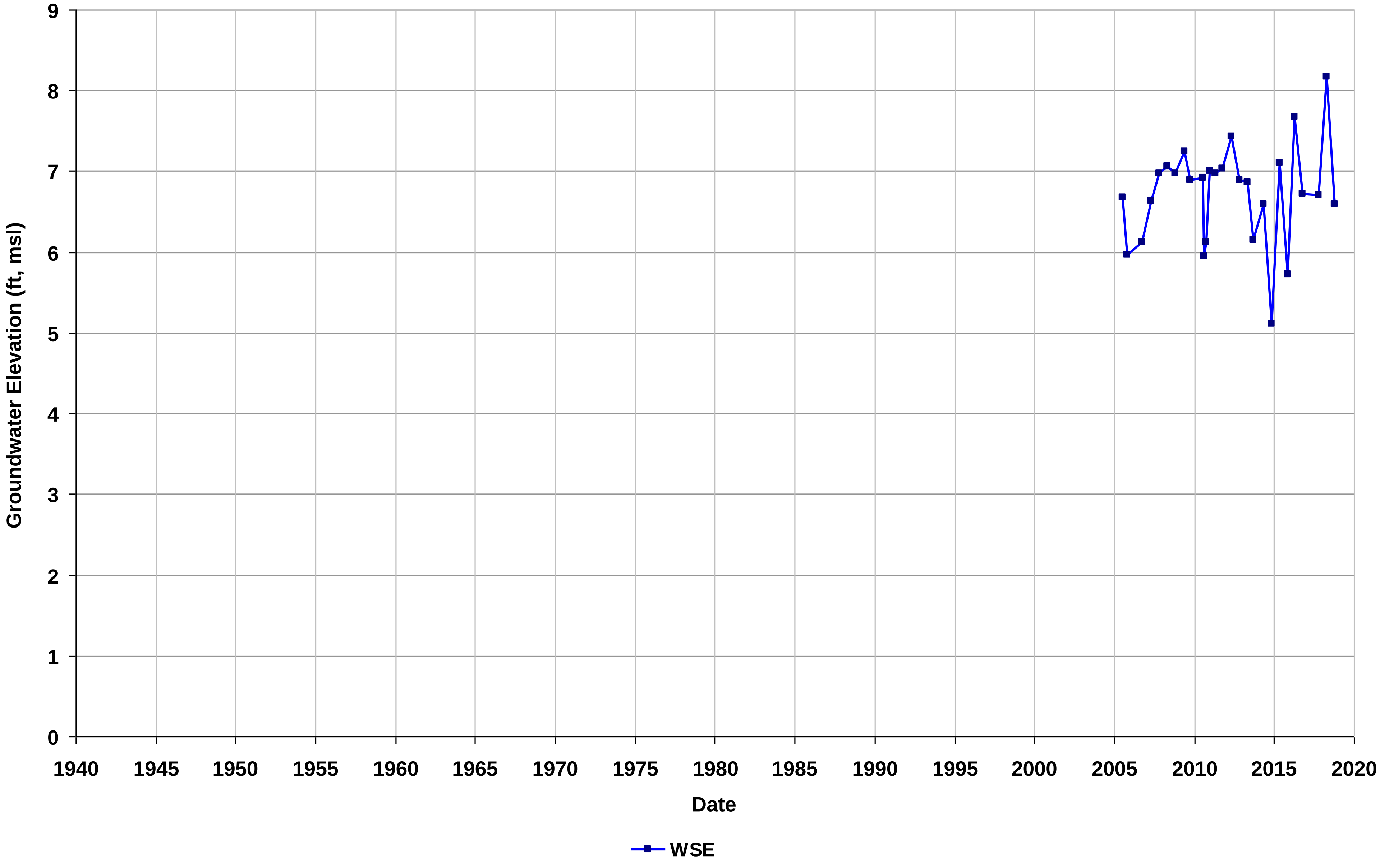
Well Name: SL20268886-MW-OS18
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 21
Perf. Interval (ft bgs): 11-21
T/R/S: n/a
Well Use: Observation



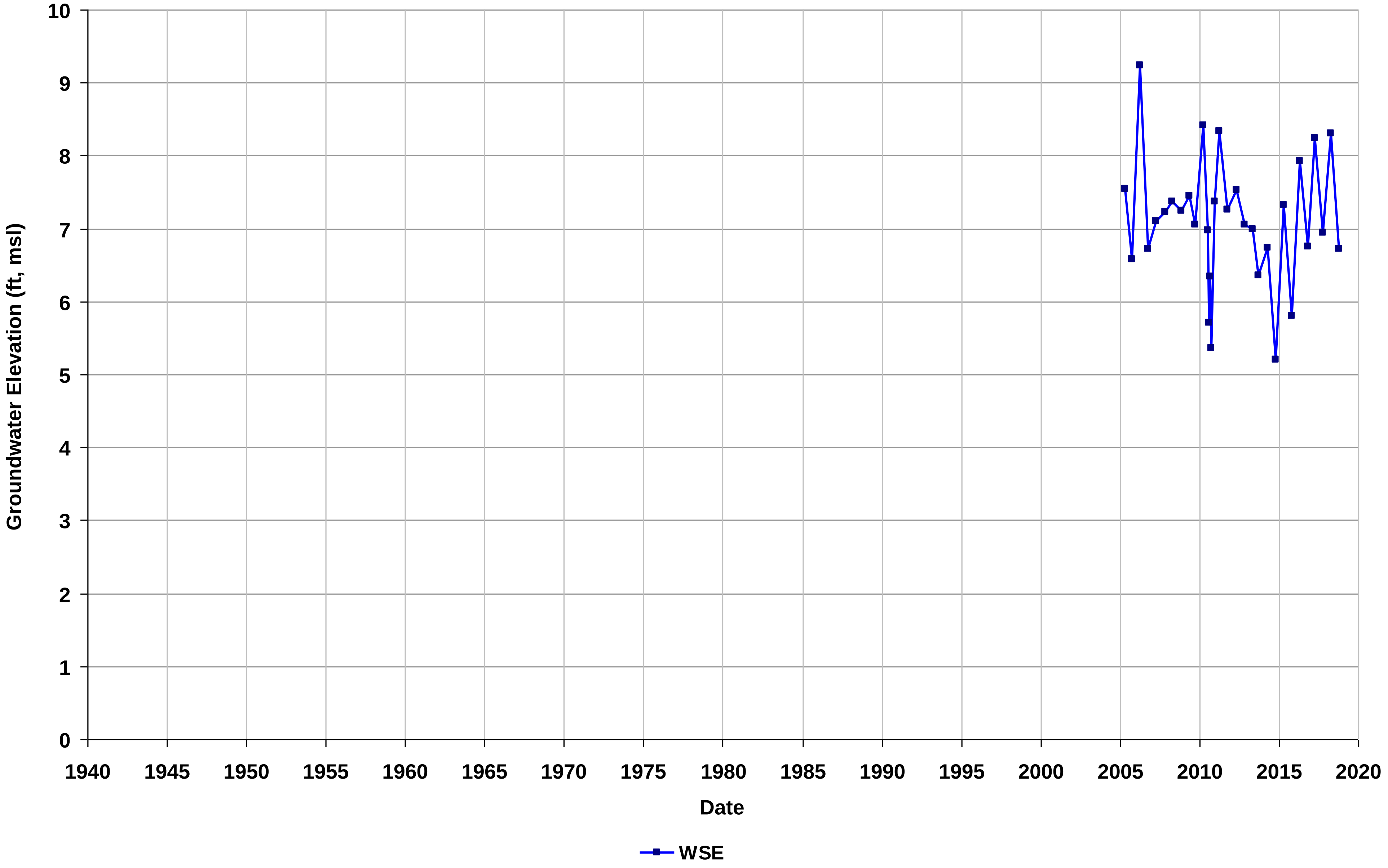
Well Name: SL20268886-MW-OS19
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 7-20
T/R/S: n/a
Well Use: Observation



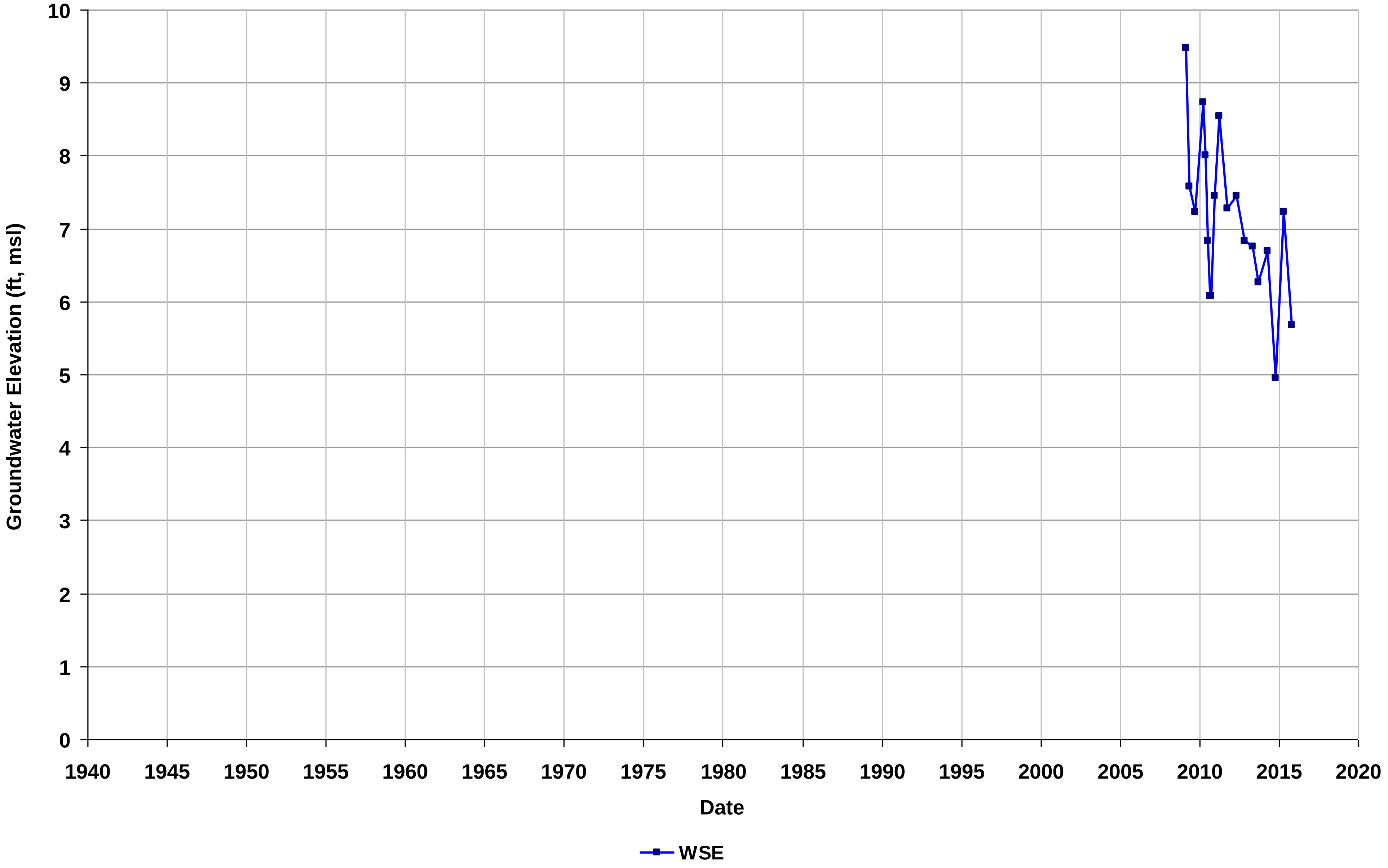
Well Name: SL20268886-MW-OS2
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 19
Perf. Interval (ft bgs): 9-19
T/R/S: n/a
Well Use: Observation



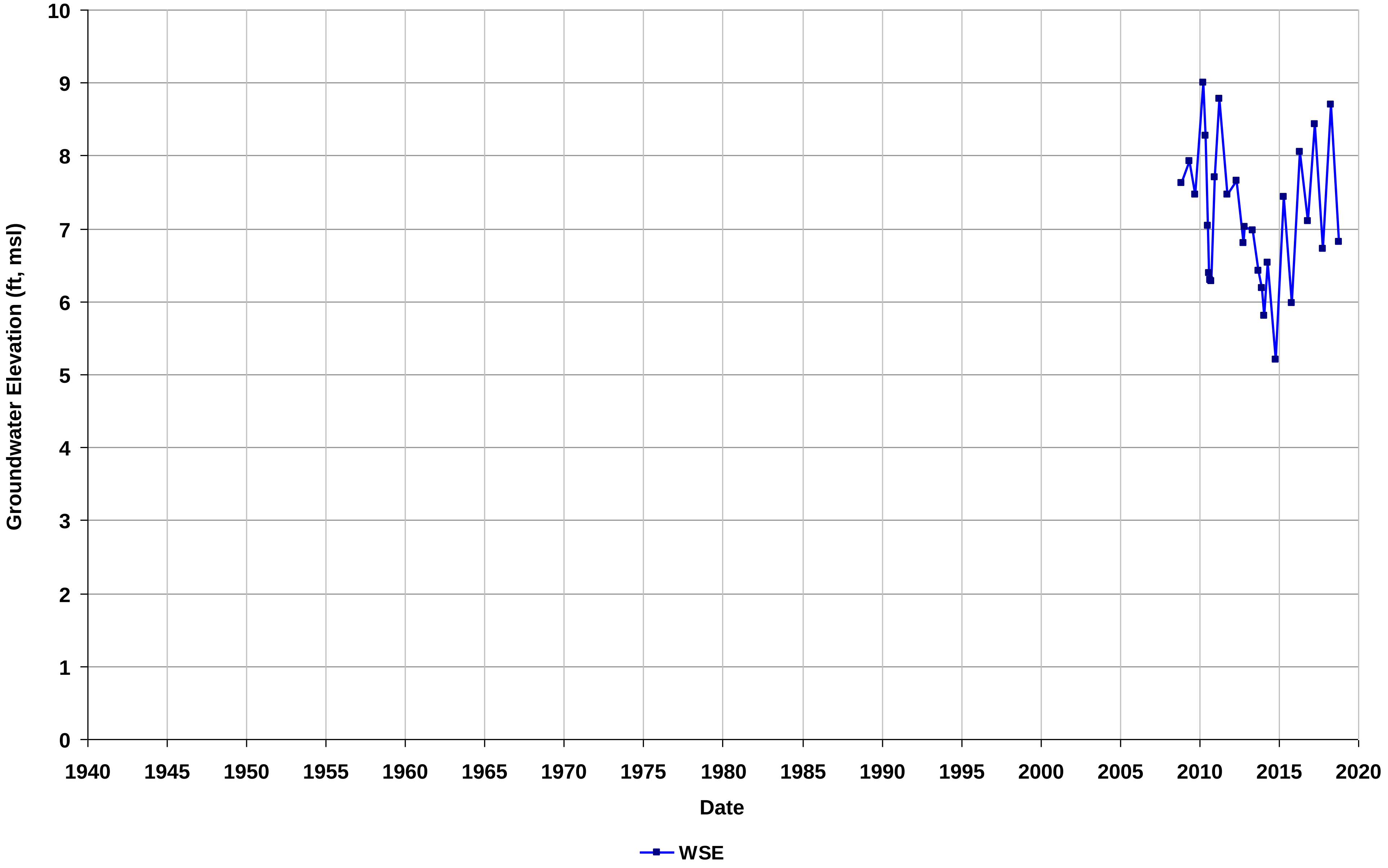
Well Name: SL20268886-MW-OS20
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 10-20
T/R/S: n/a
Well Use: Observation



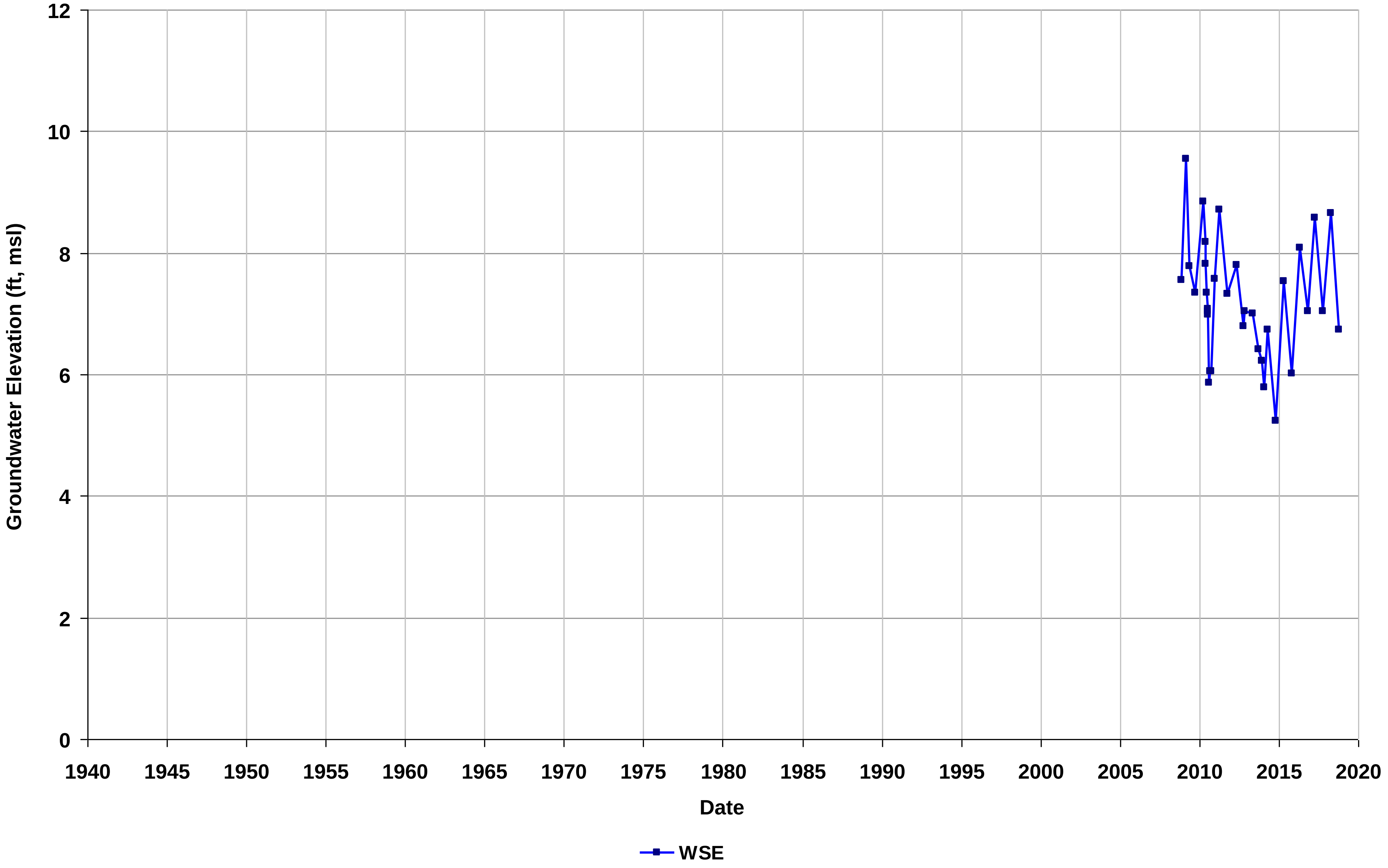
Well Name: SL20268886-MW-OS21
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 21
Perf. Interval (ft bgs): 10.5-20
T/R/S: n/a
Well Use: Observation



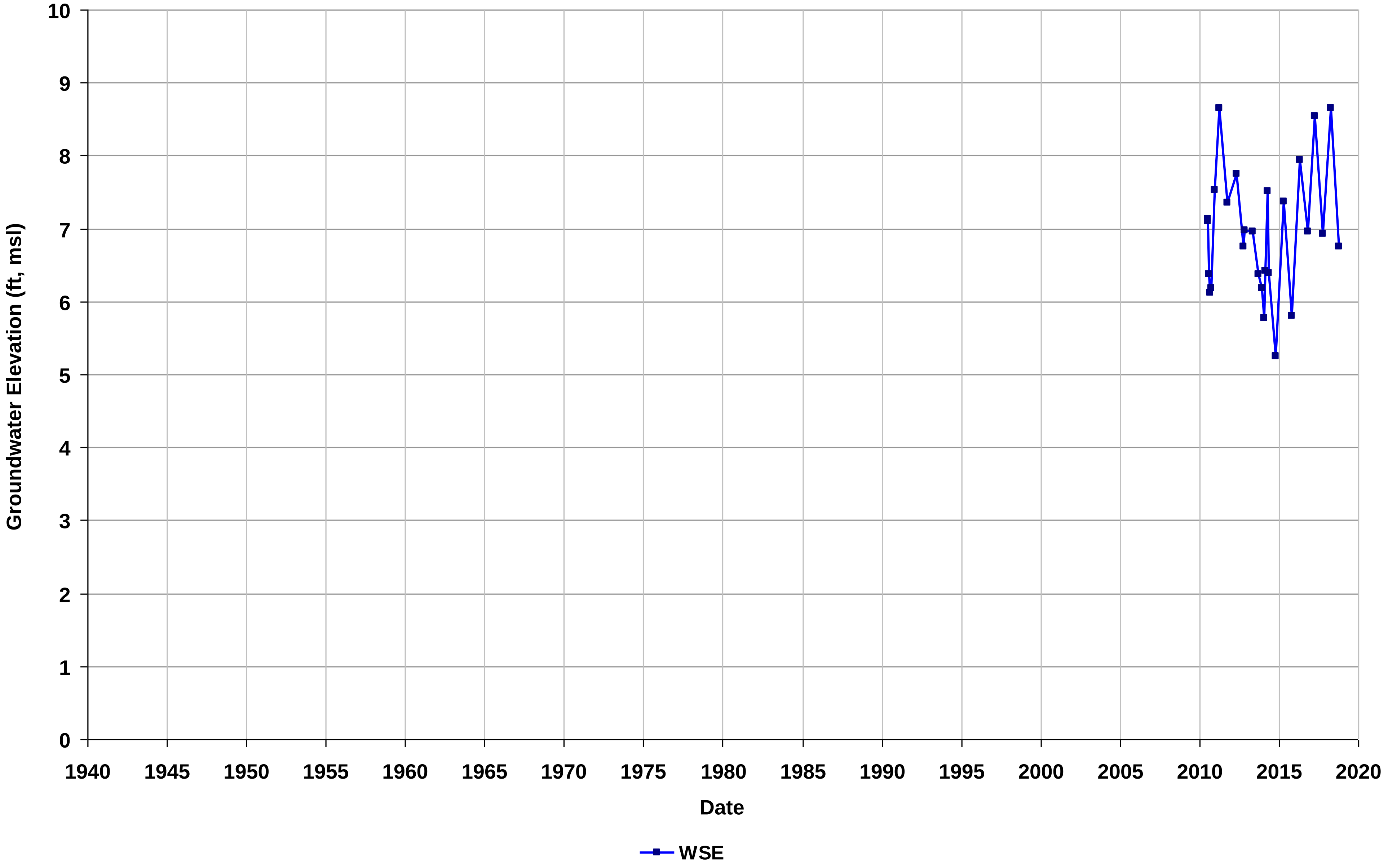
Well Name: SL20268886-MW-OS23
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs): 10-20
T/R/S: n/a
Well Use: Observation



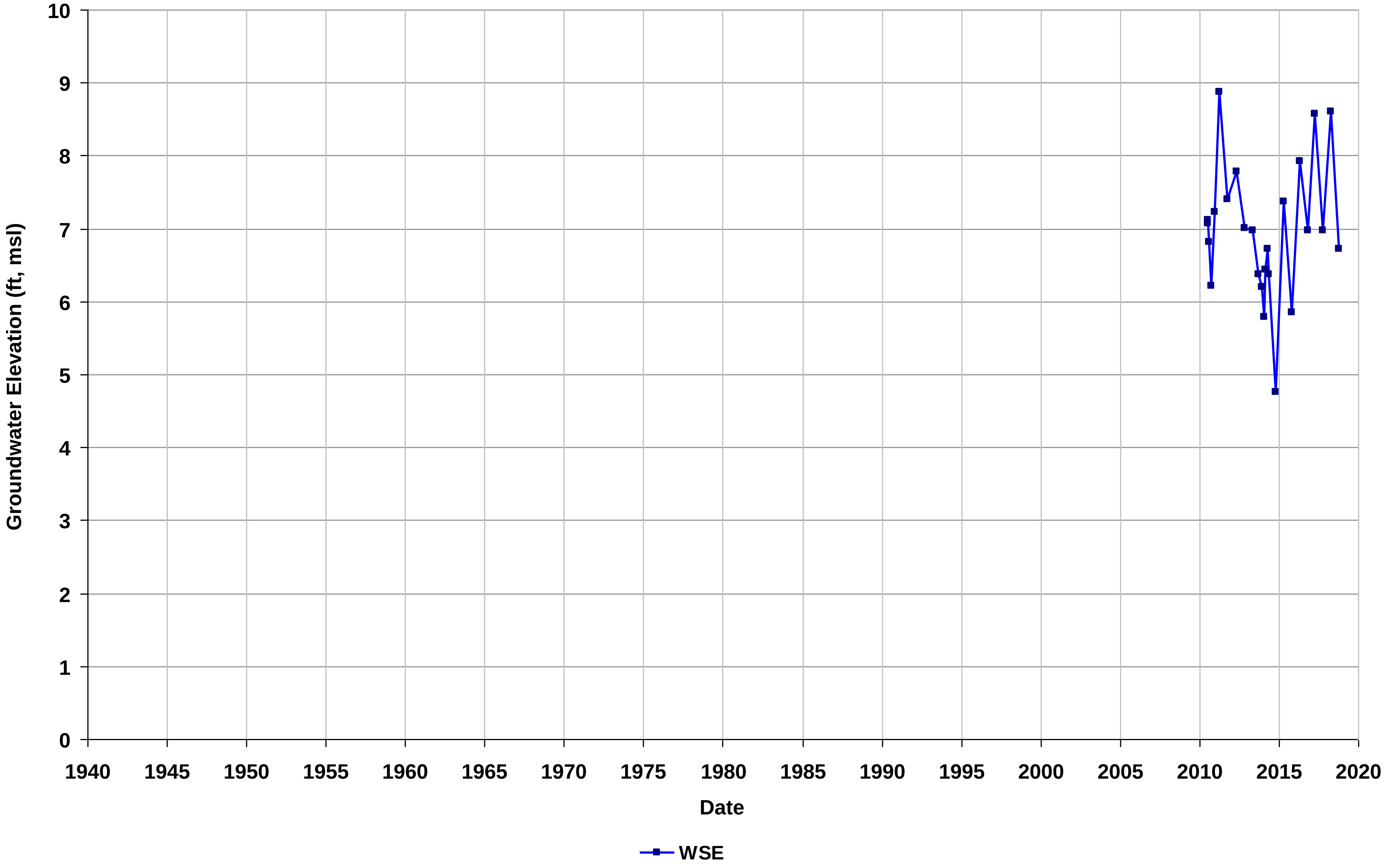
Well Name: SL20268886-MW-OS24L
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 26
Perf. Interval (ft bgs): 17-22
T/R/S: n/a
Well Use: Observation



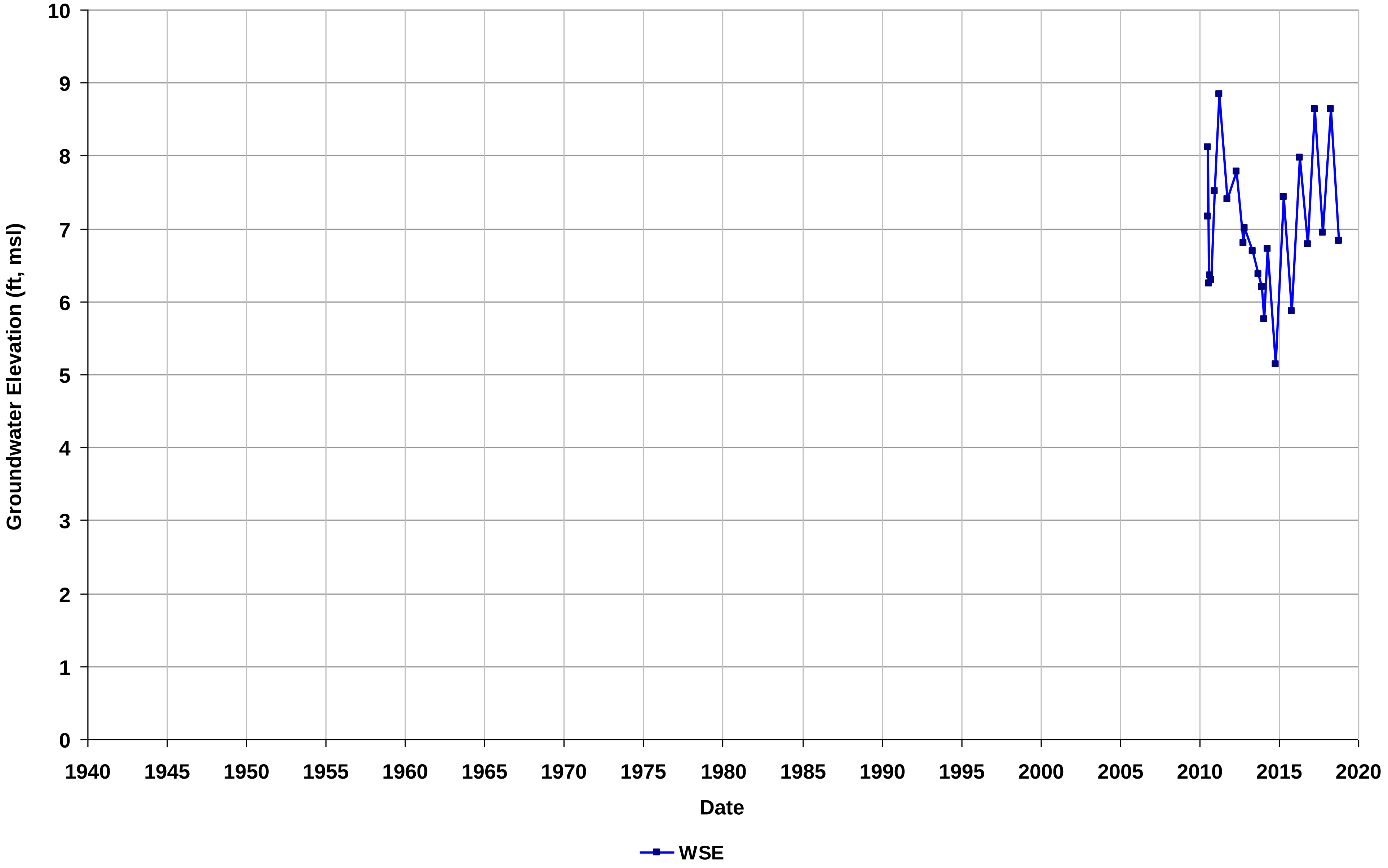
Well Name: SL20268886-MW-OS24U
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 19
Perf. Interval (ft bgs): 10-15
T/R/S: n/a
Well Use: Observation



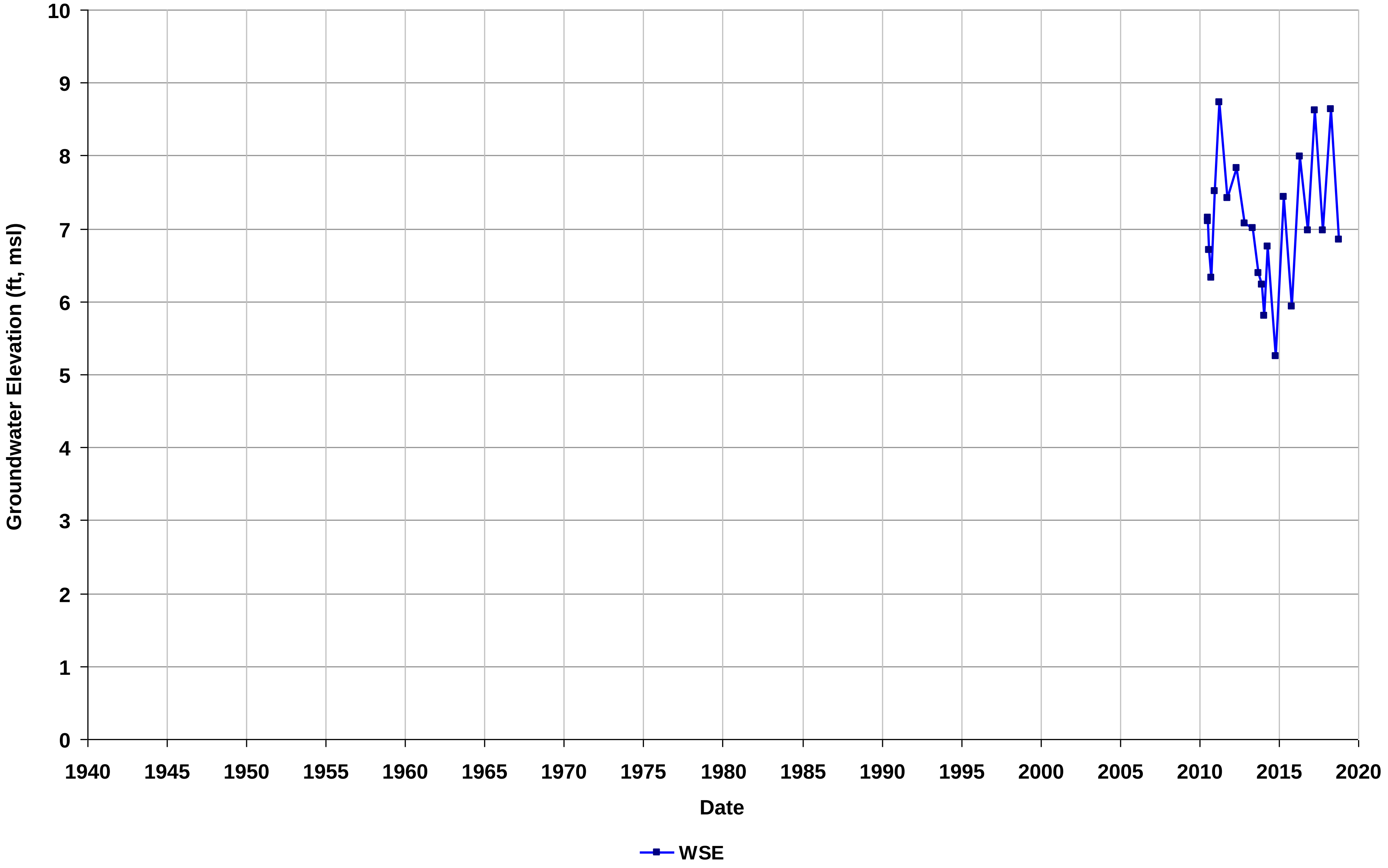
Well Name: SL20268886-MW-OS25L
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 26
Perf. Interval (ft bgs): 17-22
T/R/S: n/a
Well Use: Observation



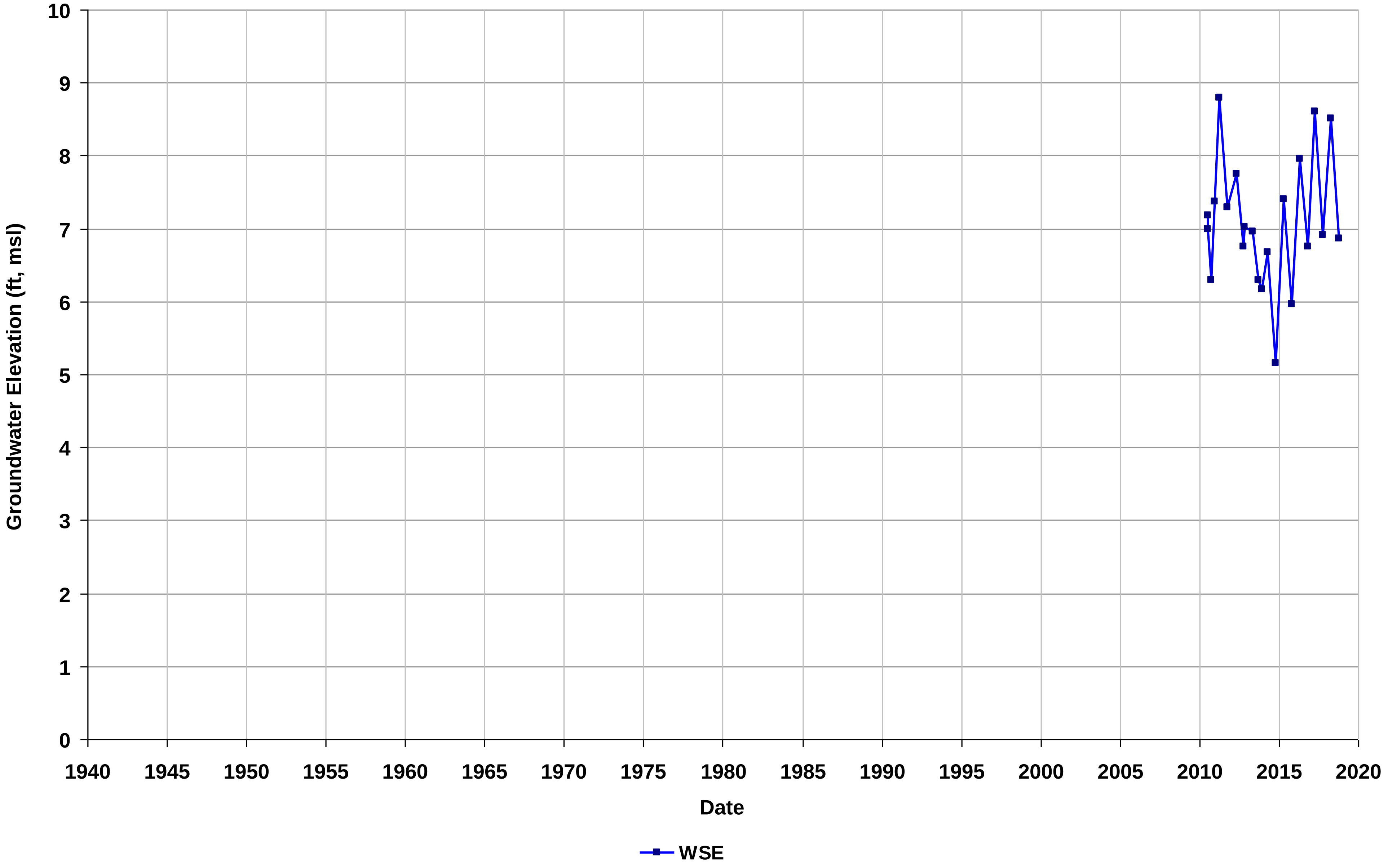
Well Name: SL20268886-MW-OS25U
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 19
Perf. Interval (ft bgs): 10-15
T/R/S: n/a
Well Use: Observation



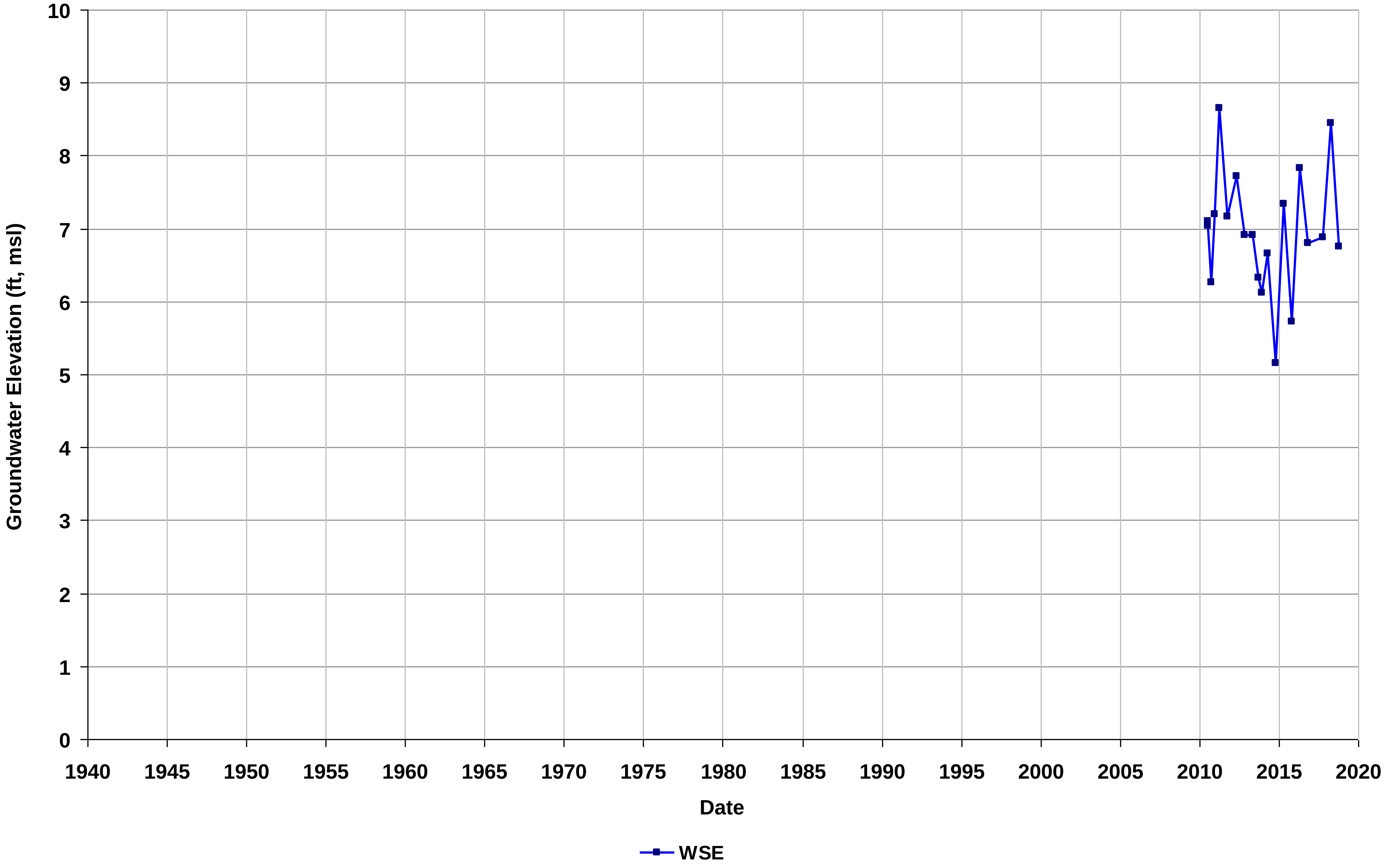
Well Name: SL20268886-MW-OS26
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 28
Perf. Interval (ft bgs): 14-24
T/R/S: n/a
Well Use: Observation



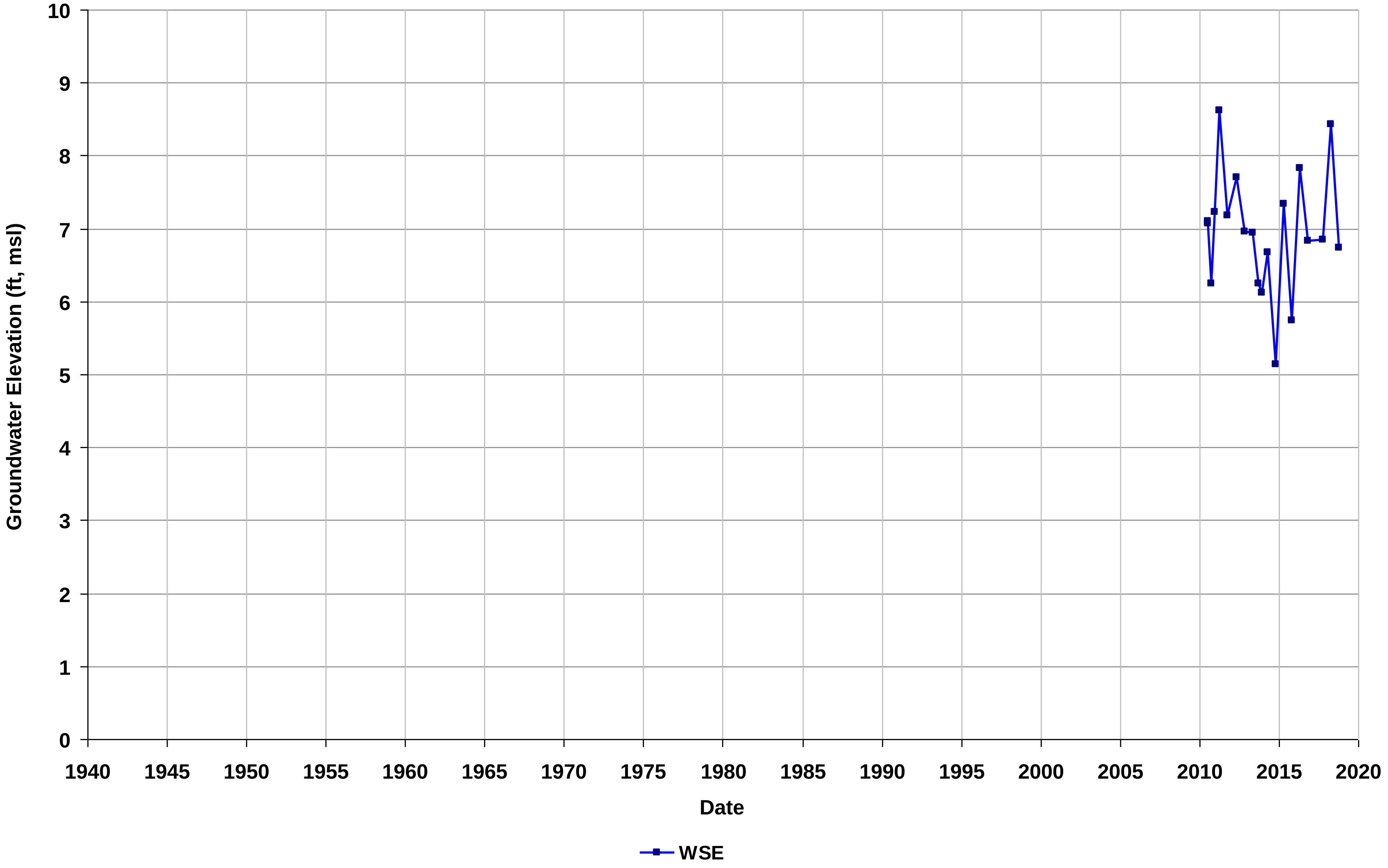
Well Name: SL20268886-MW-OS27L
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 26
Perf. Interval (ft bgs): 17-22
T/R/S: n/a
Well Use: Observation



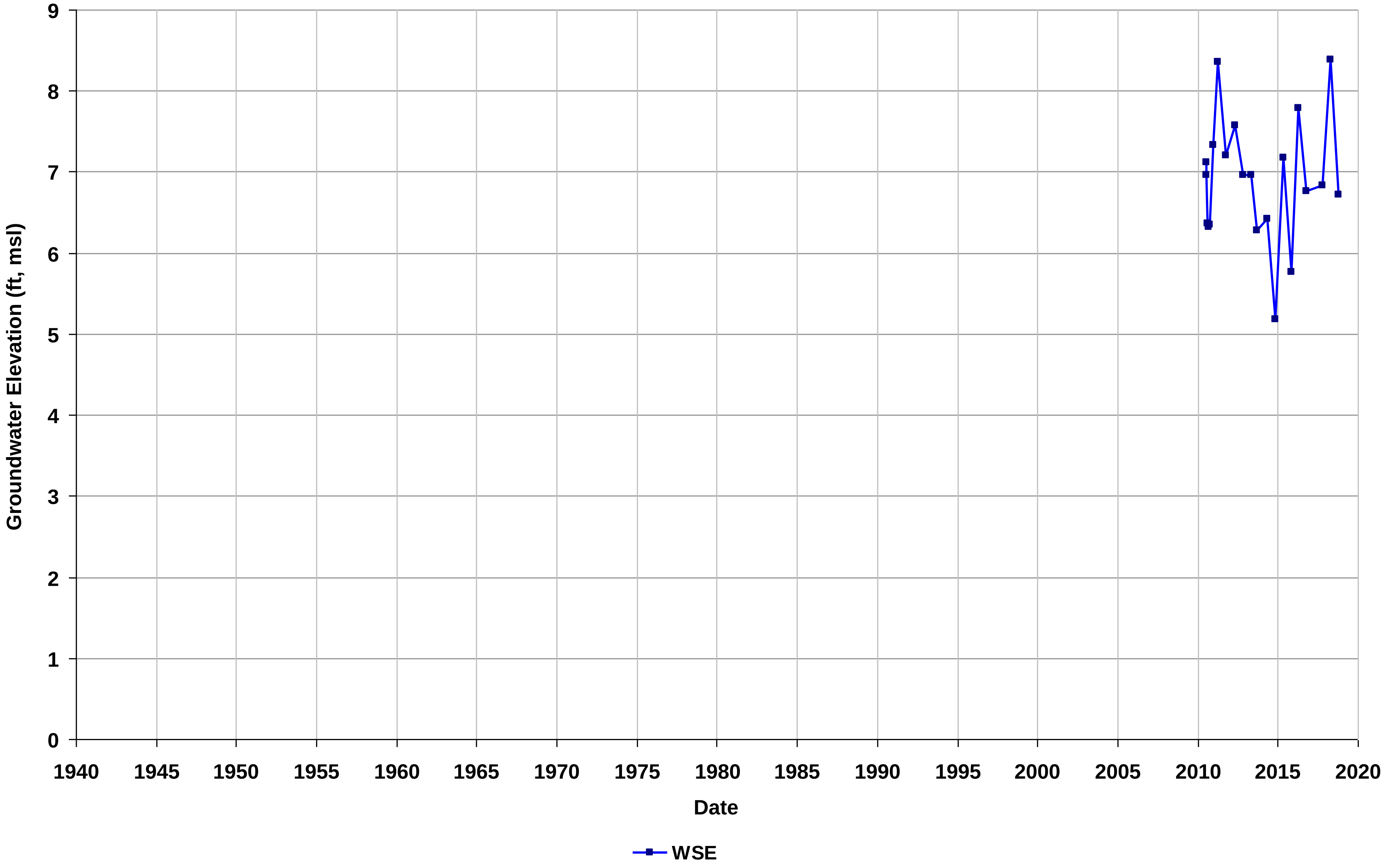
Well Name: SL20268886-MW-OS27U
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 19
Perf. Interval (ft bgs): 10-15
T/R/S: n/a
Well Use: Observation



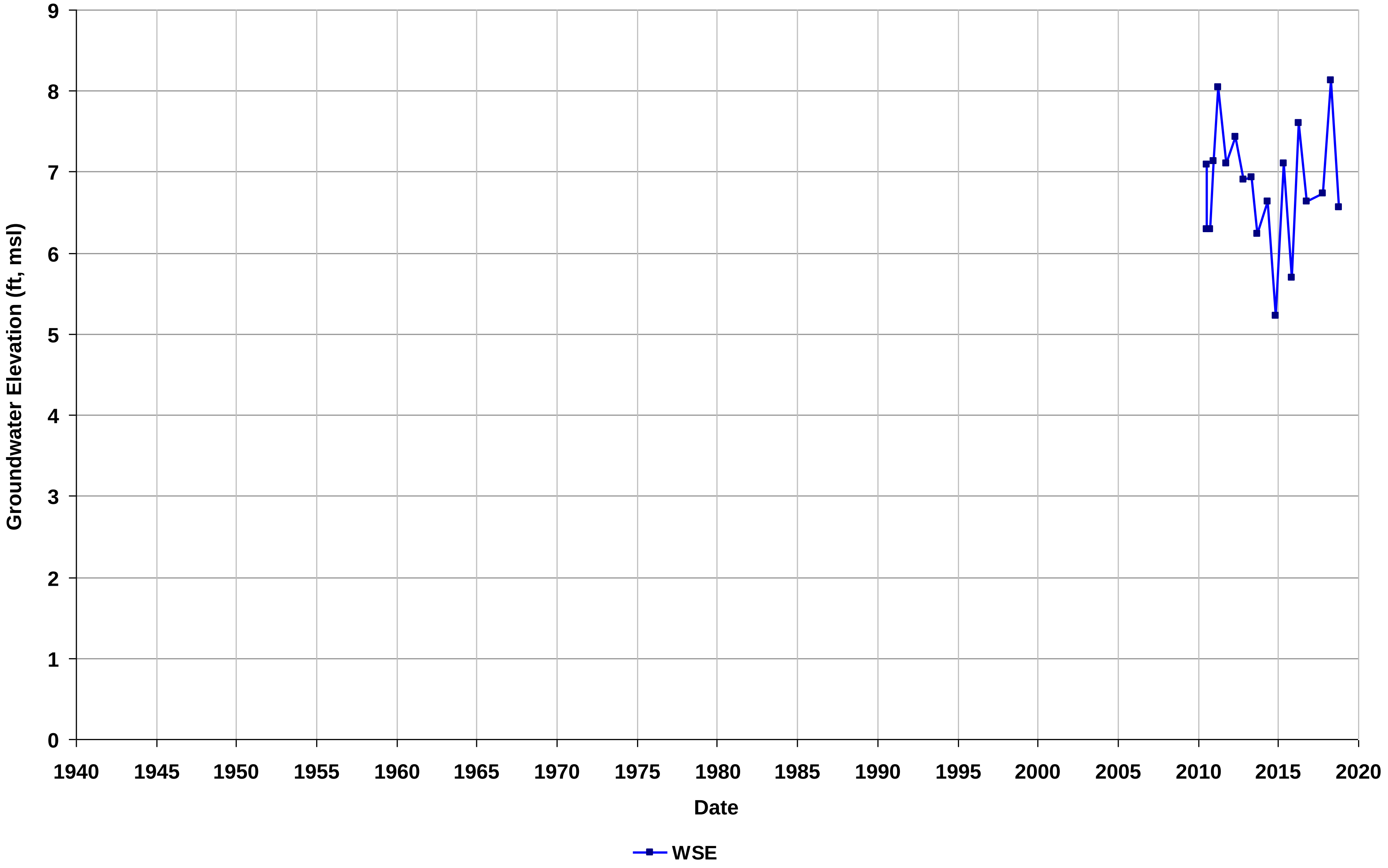
Well Name: SL20268886-MW-OS28
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 22
Perf. Interval (ft bgs): 12-22
T/R/S: n/a
Well Use: Observation



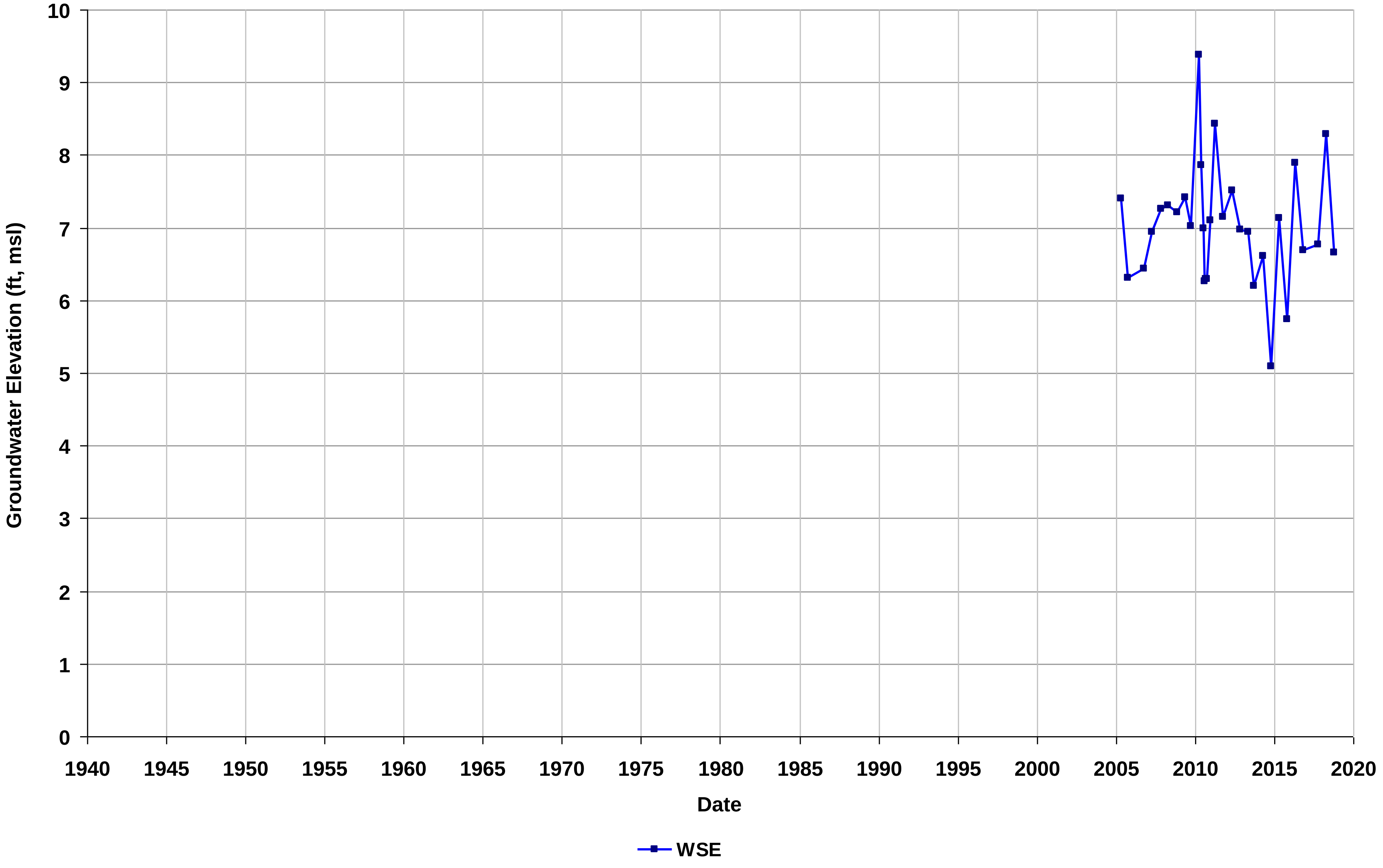
Well Name: SL20268886-MW-OS29
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 26
Perf. Interval (ft bgs): 12-22
T/R/S: n/a
Well Use: Observation



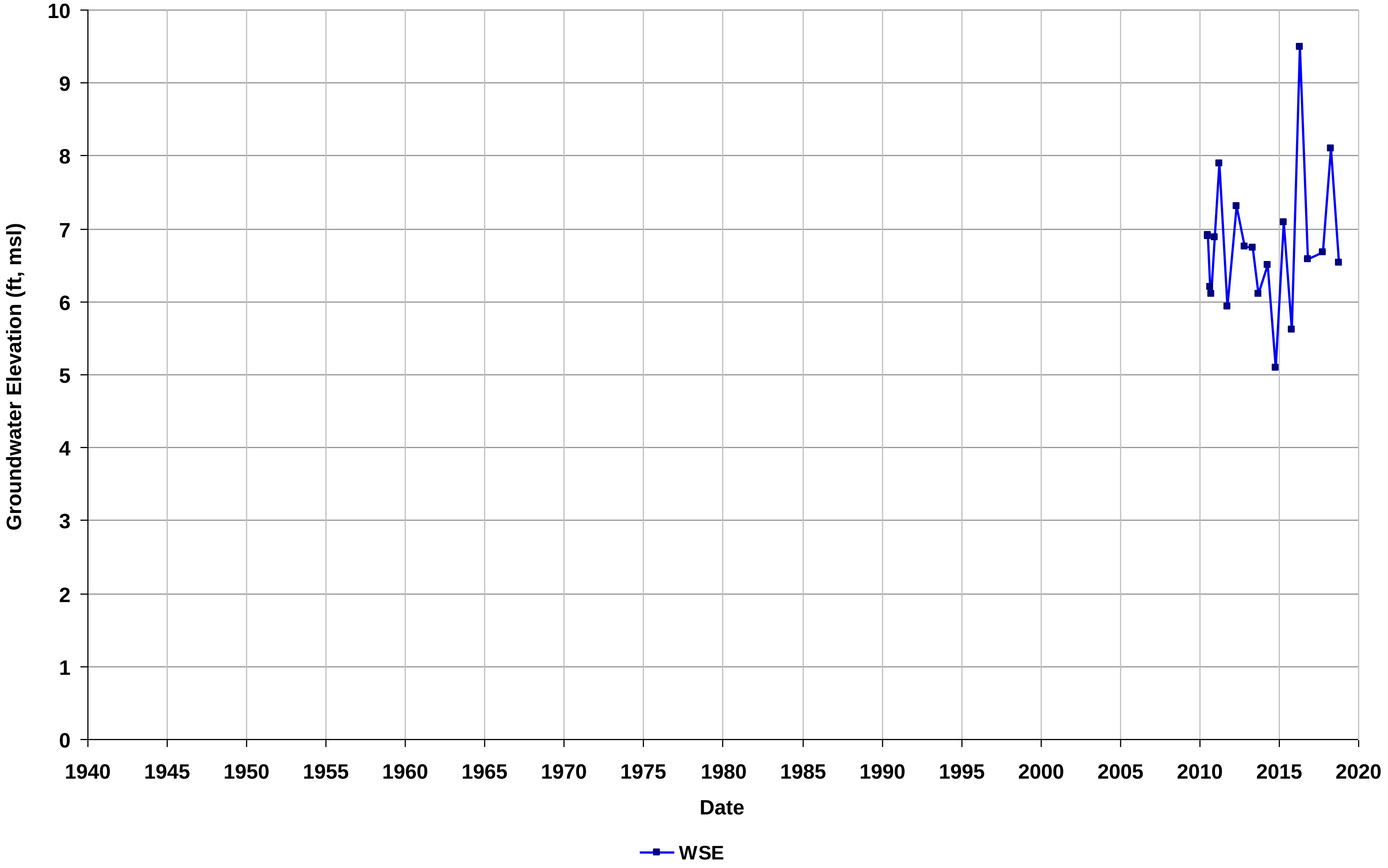
Well Name: SL20268886-MW-OS3
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 18
Perf. Interval (ft bgs): 9-18
T/R/S: n/a
Well Use: Observation



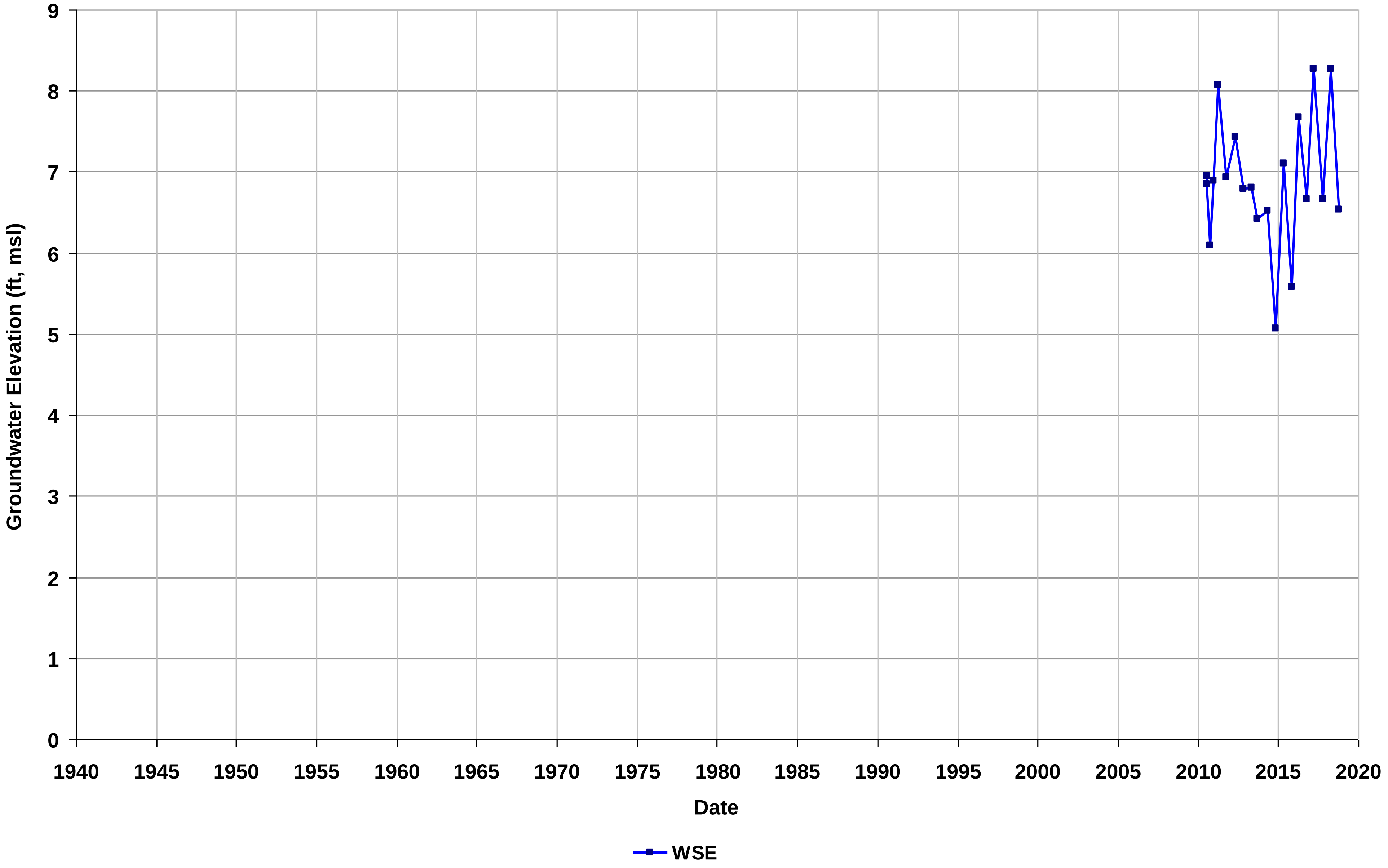
Well Name: SL20268886-MW-OS30
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 27
Perf. Interval (ft bgs): 13-23
T/R/S: n/a
Well Use: Observation



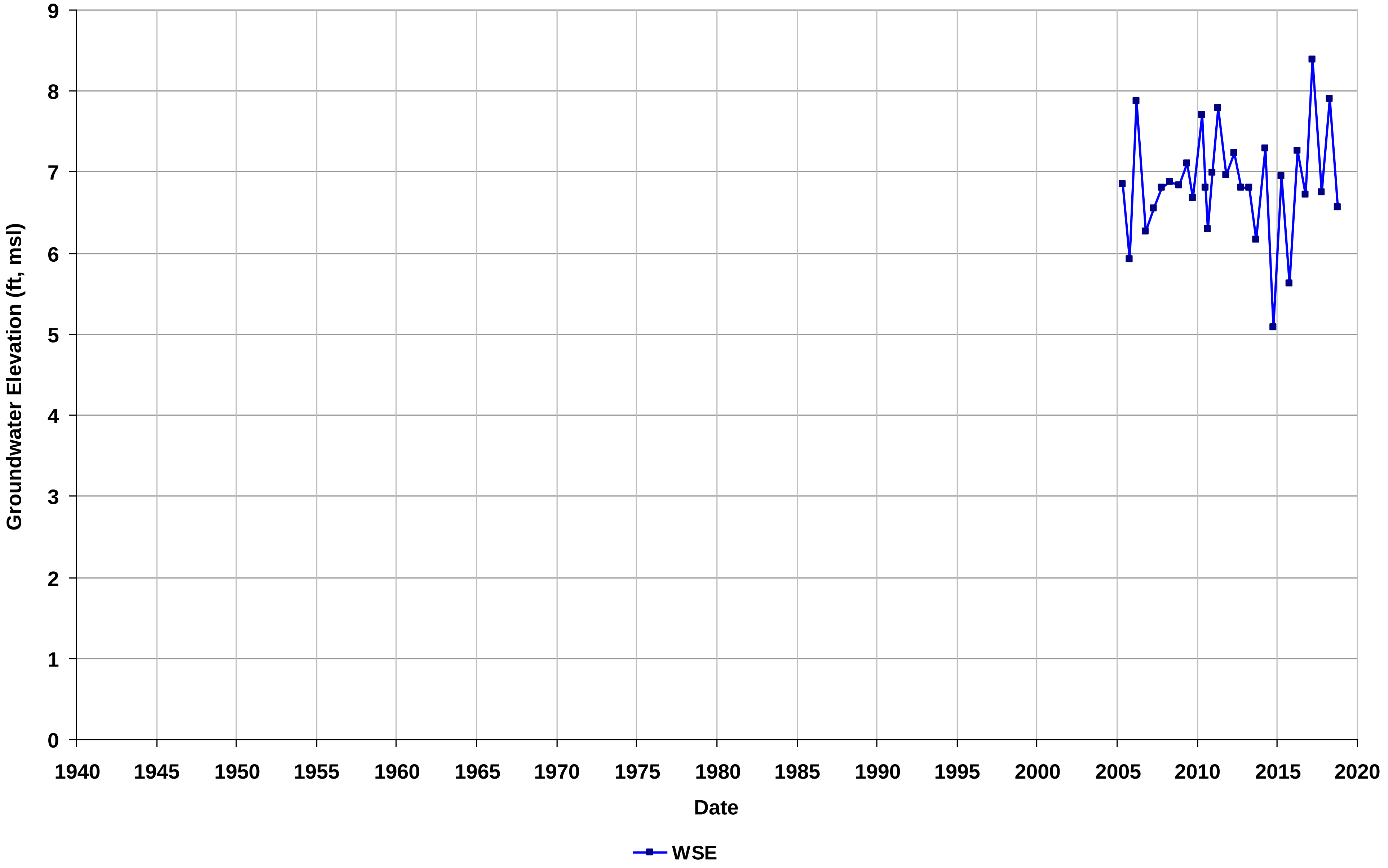
Well Name: SL20268886-MW-OS31
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 26
Perf. Interval (ft bgs): 12-22
T/R/S: n/a
Well Use: Observation



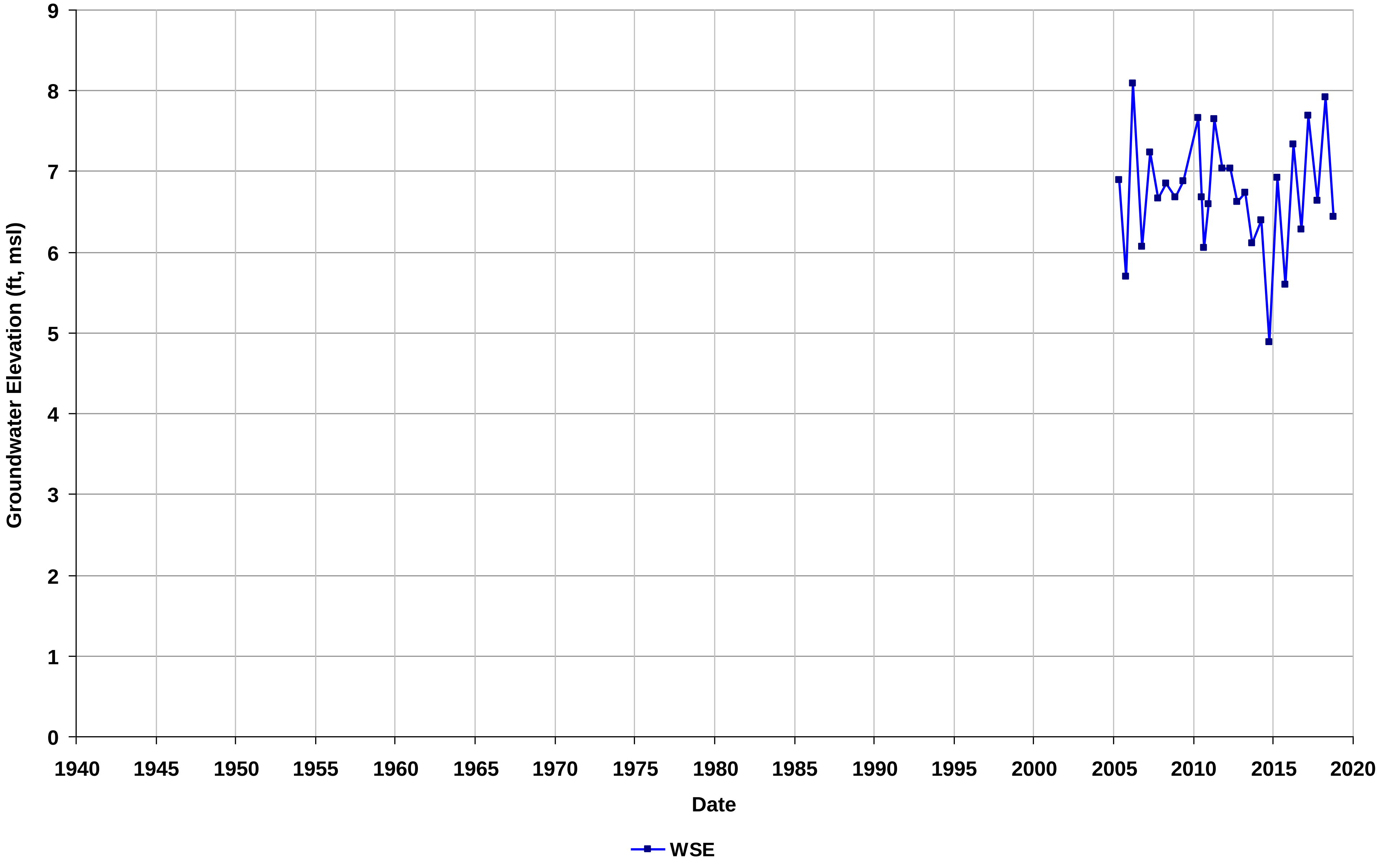
Well Name: SL20268886-MW-OS4
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 19
Perf. Interval (ft bgs): 9-19
T/R/S: n/a
Well Use: Observation



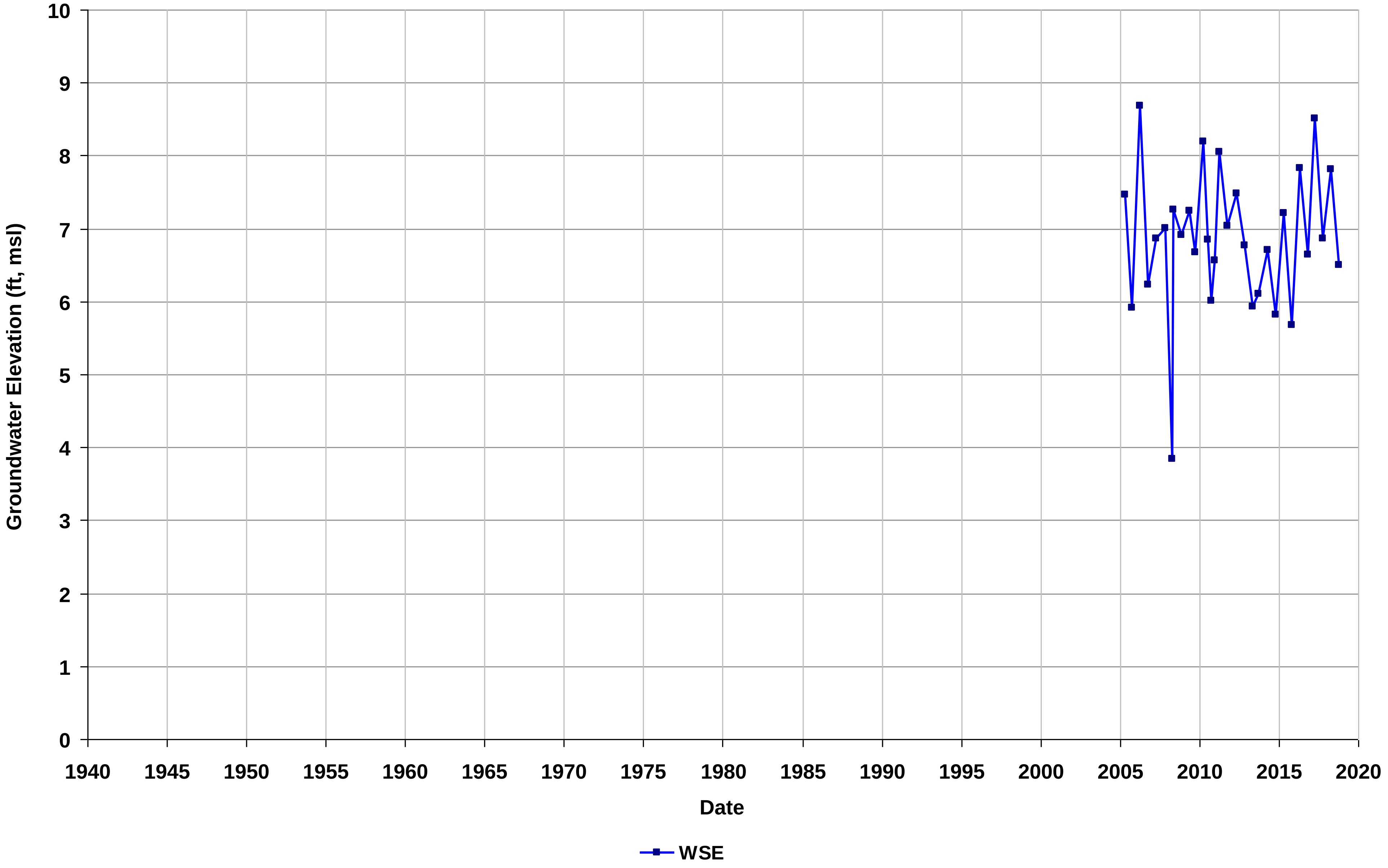
Well Name: SL20268886-MW-OS5
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 19
Perf. Interval (ft bgs): 9-19
T/R/S: n/a
Well Use: Observation



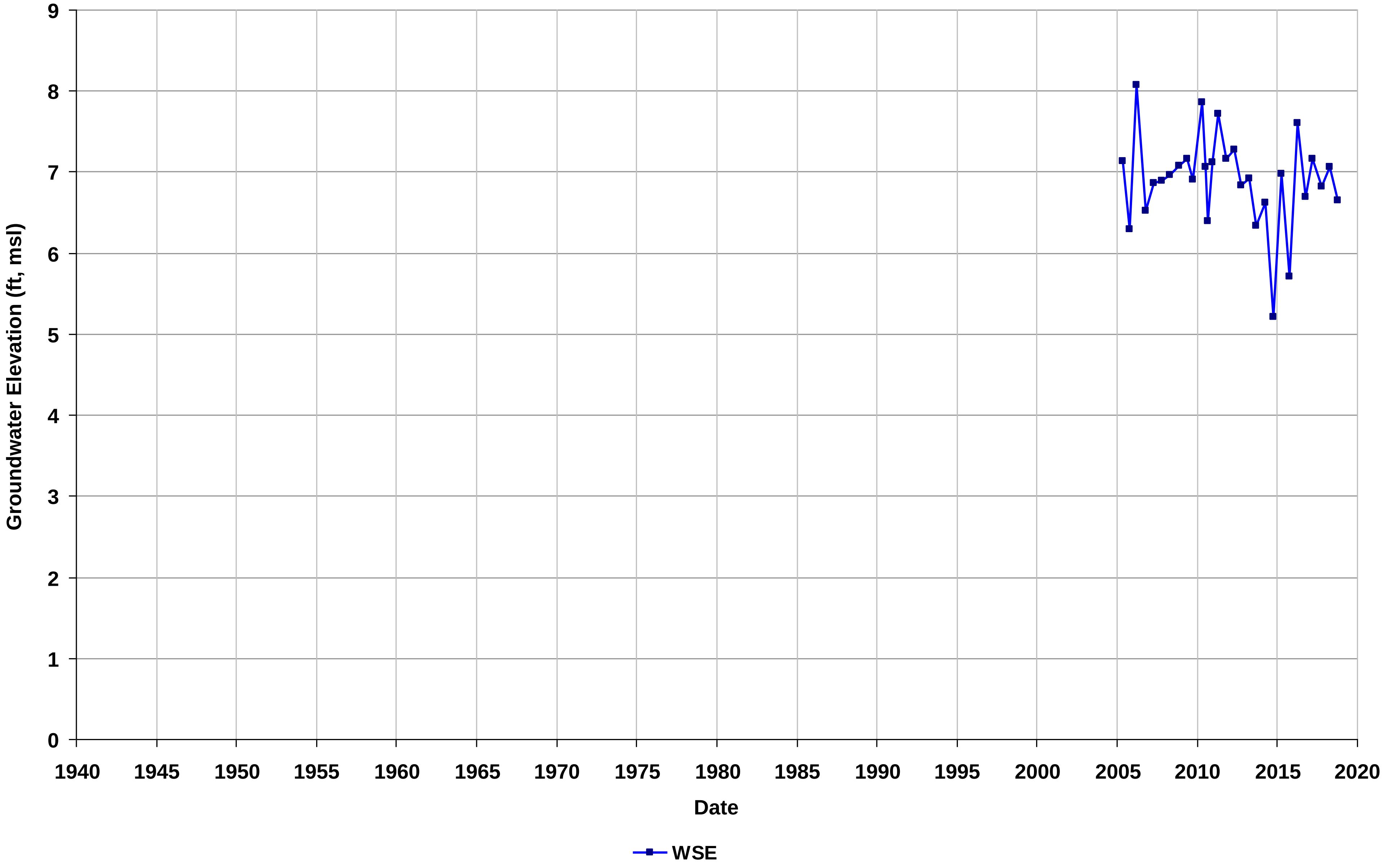
Well Name: SL20268886-MW-OS6
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 21
Perf. Interval (ft bgs): 14-21
T/R/S: n/a
Well Use: Observation



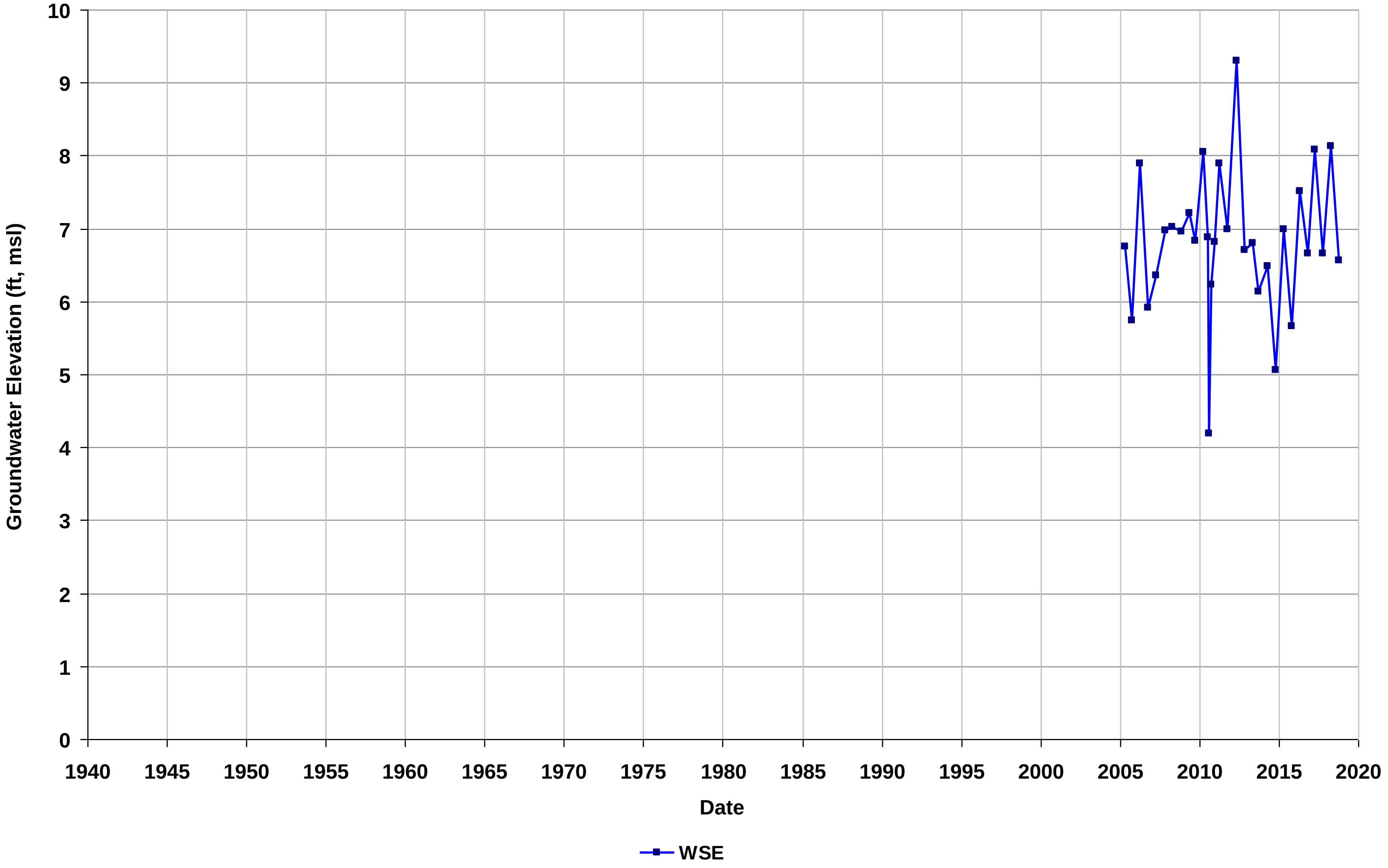
Well Name: SL20268886-MW-OS7A
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 21
Perf. Interval (ft bgs): 8.5-18
T/R/S: n/a
Well Use: Observation



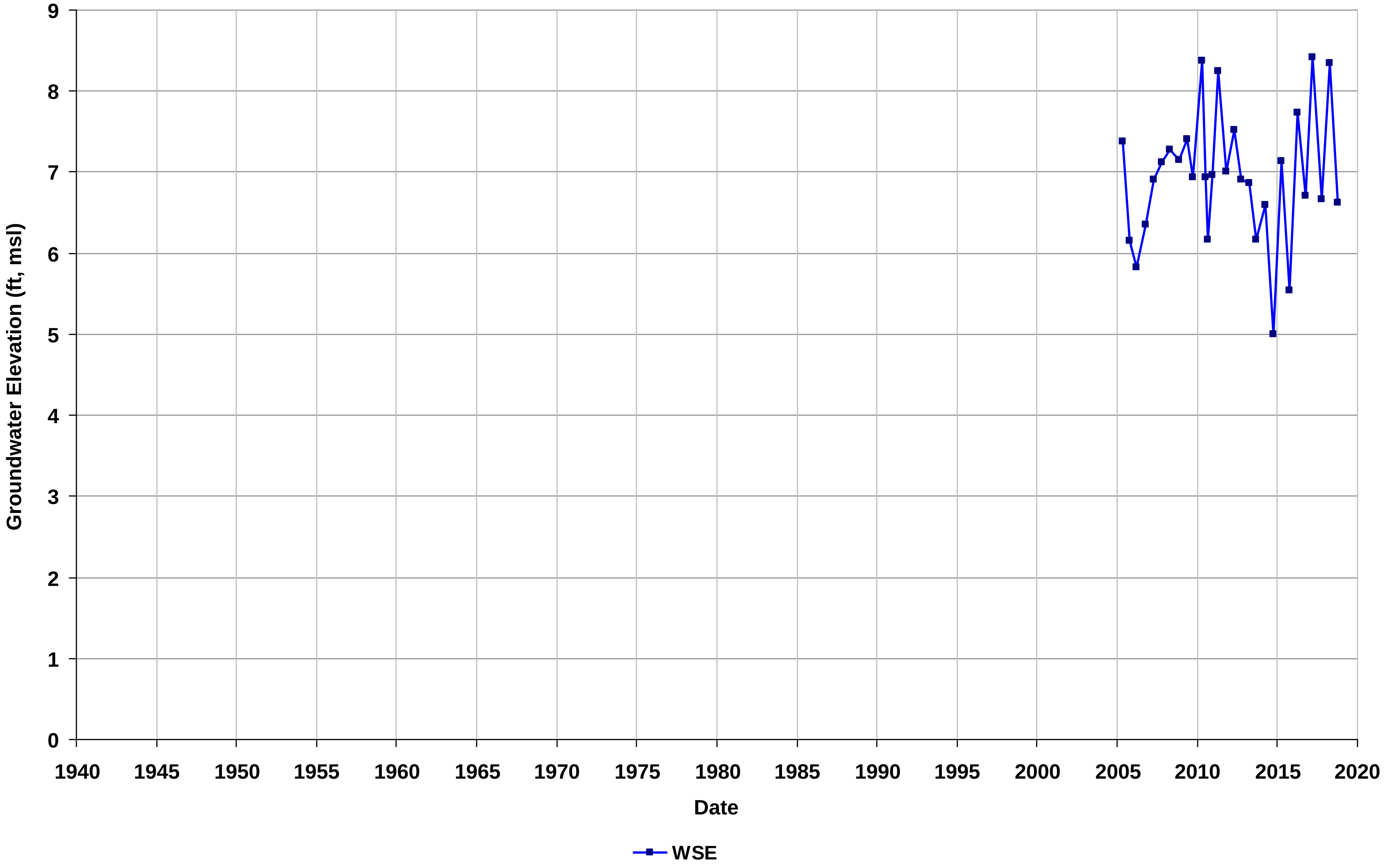
Well Name: SL20268886-MW-OS8
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 19
Perf. Interval (ft bgs): 9-19
T/R/S: n/a
Well Use: Observation



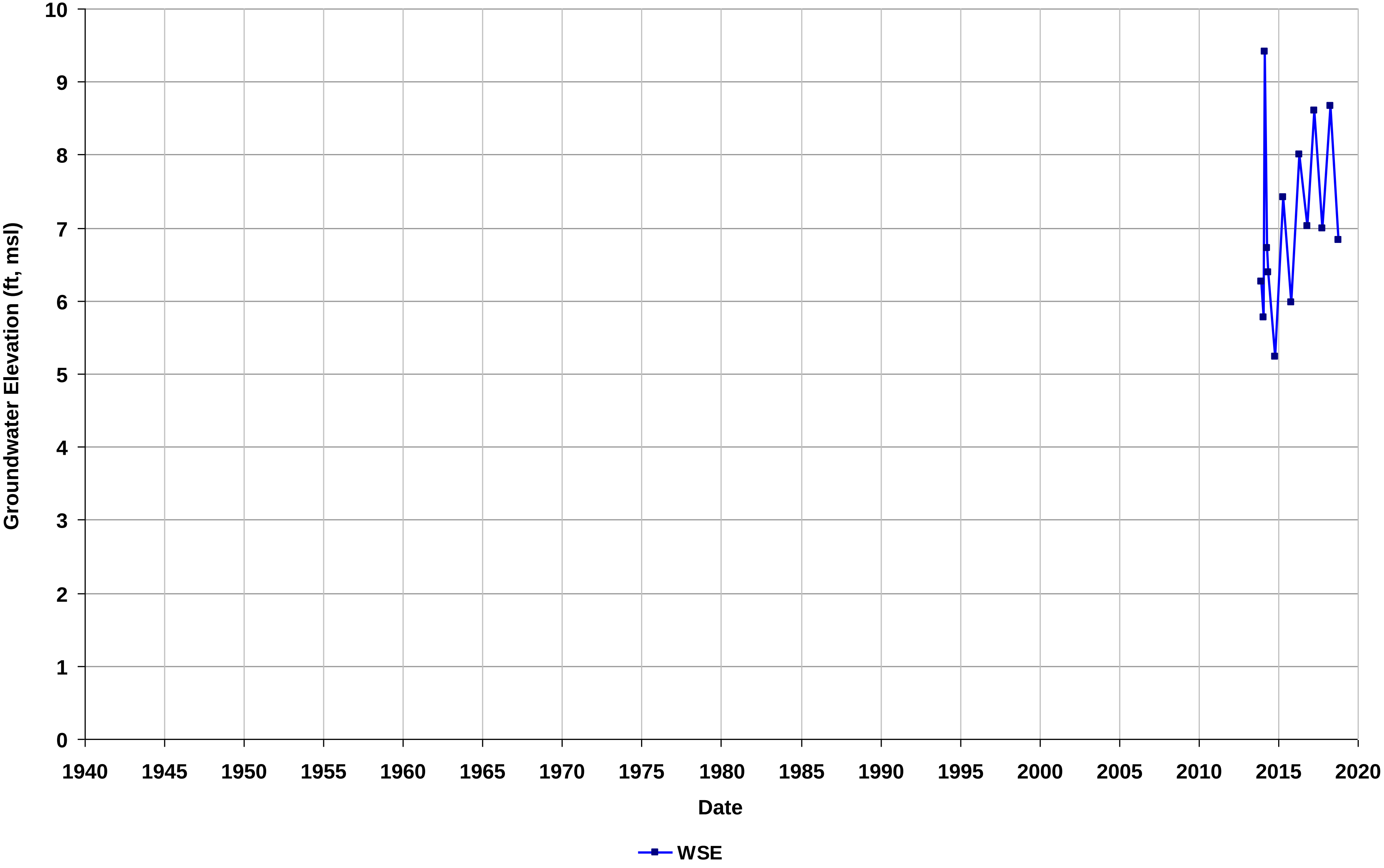
Well Name: SL20268886-MW-OS9
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 22
Perf. Interval (ft bgs): 8.5-18
T/R/S: n/a
Well Use: Observation



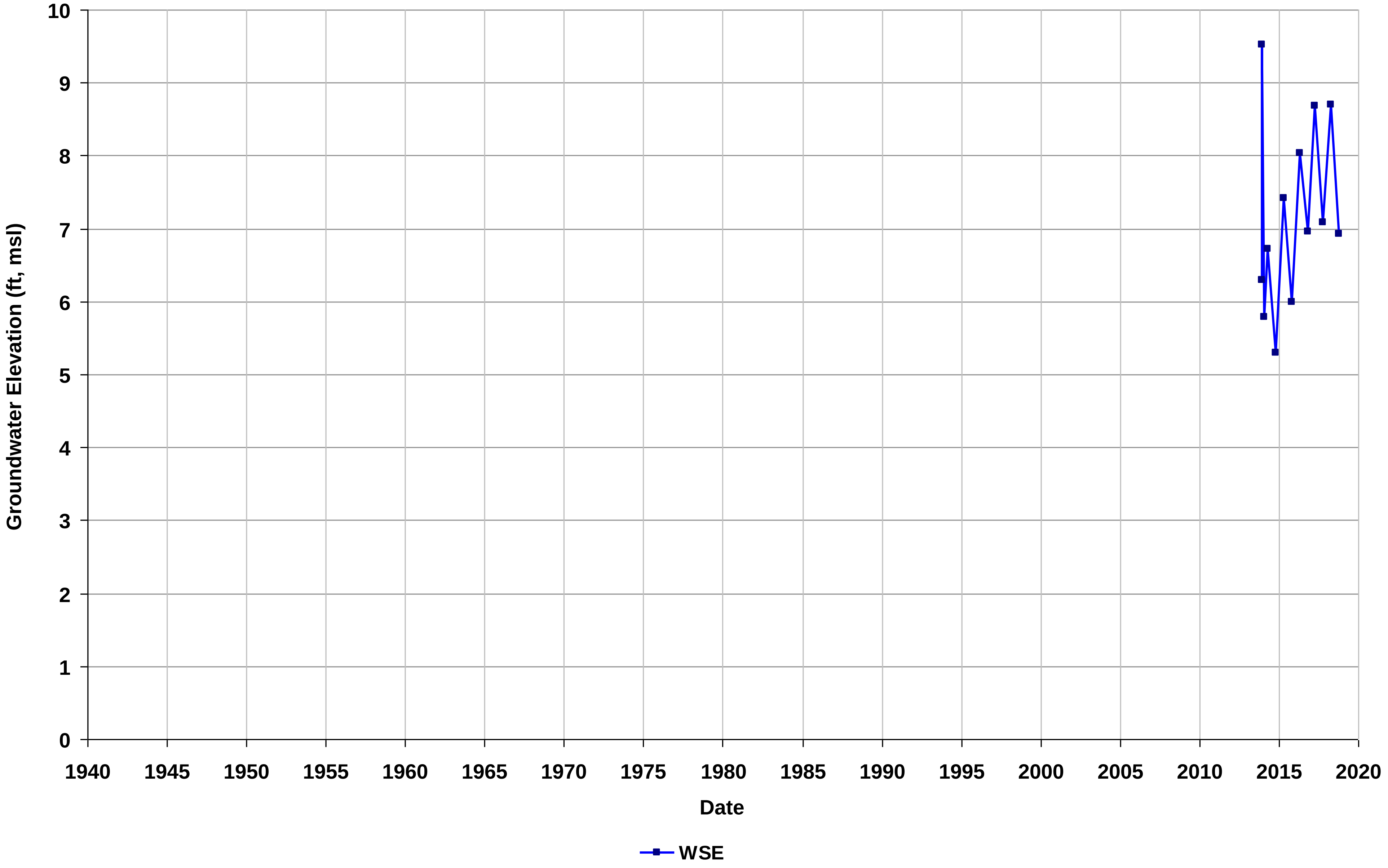
Well Name: SL20268886-MW-UCL1
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 12
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



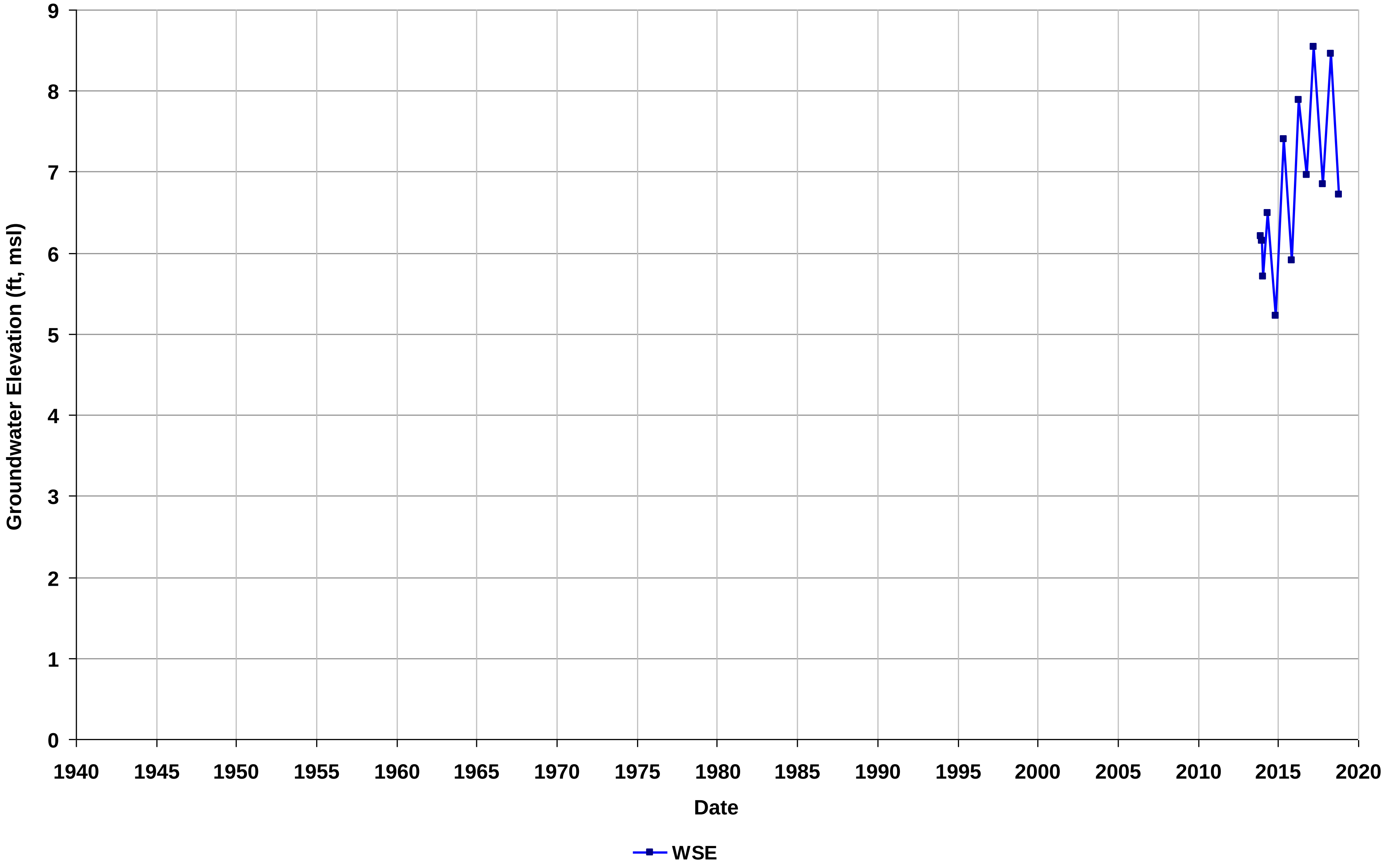
Well Name: SL20268886-MW-UCL2
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 12
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



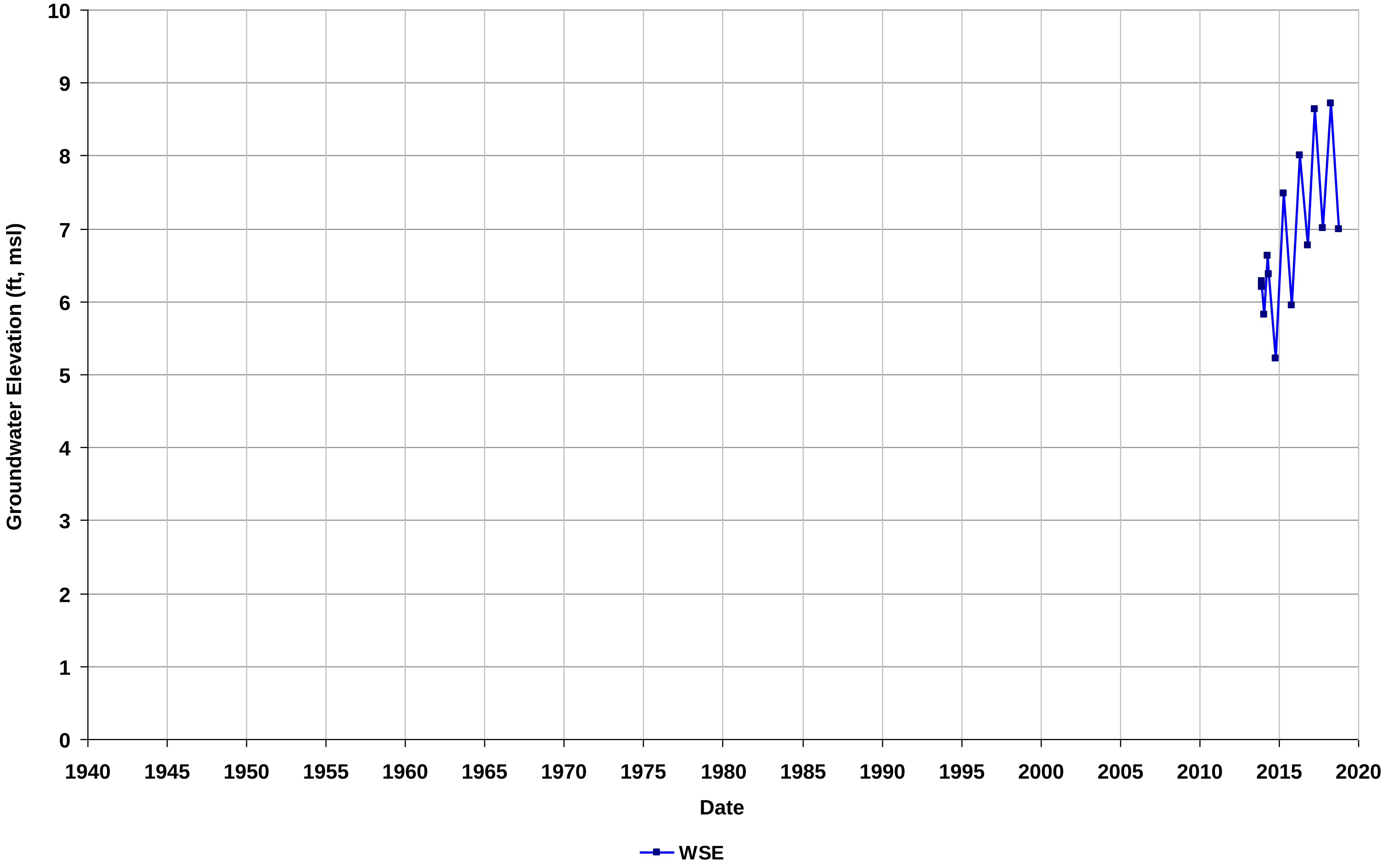
Well Name: SL20268886-MW-UCL3
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 11
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



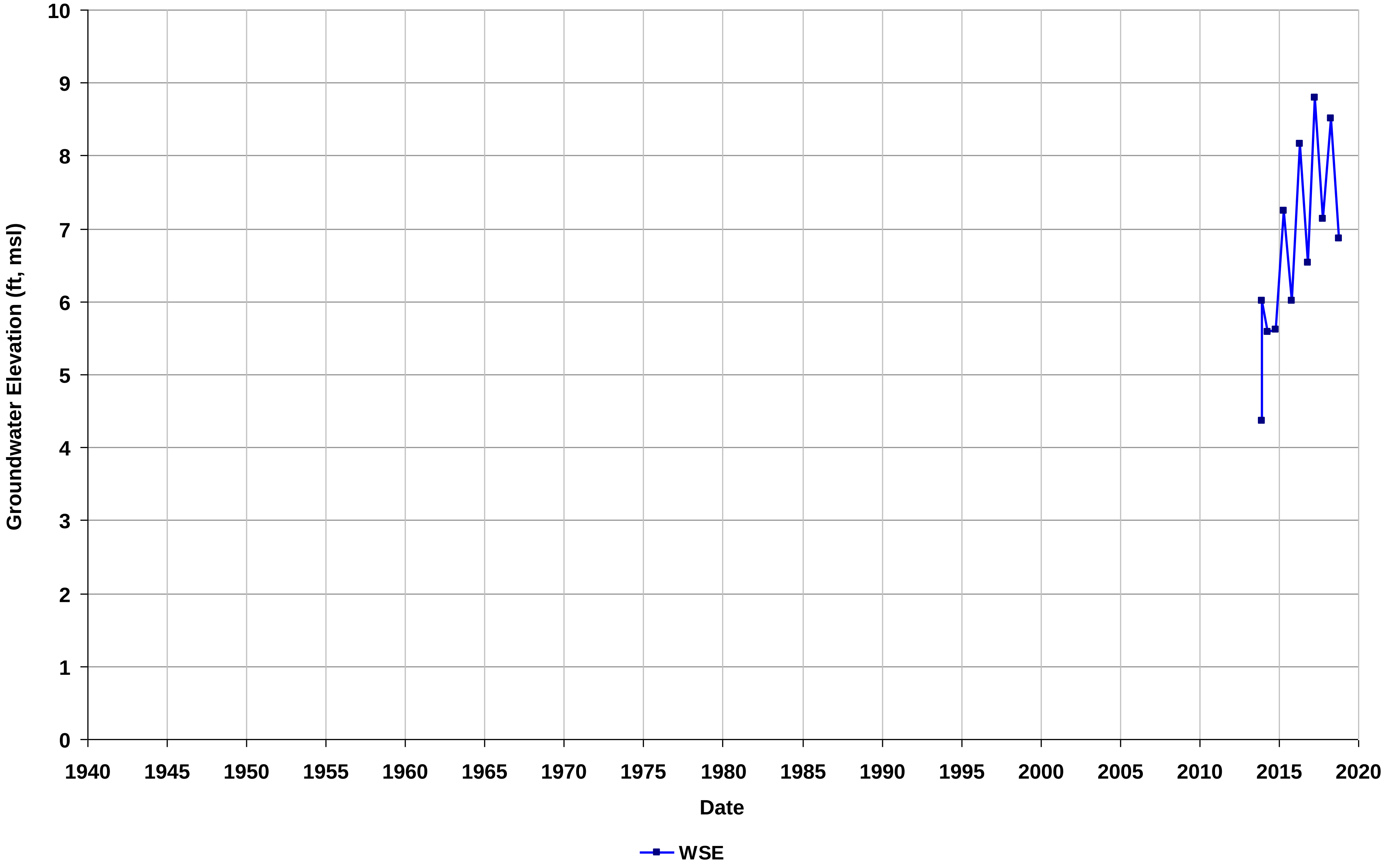
Well Name: SL20268886-MW-UCL4
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 16
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



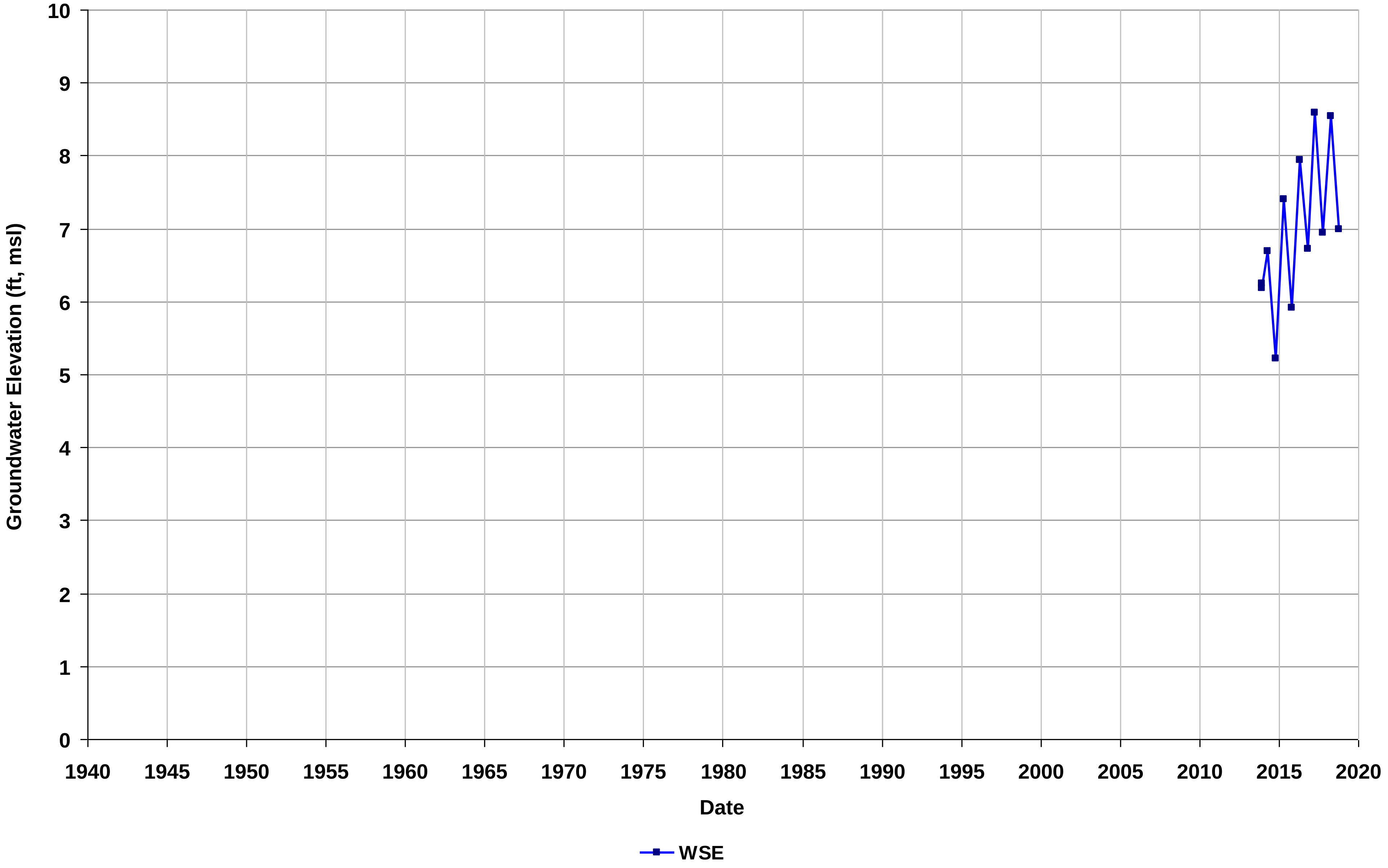
Well Name: SL20268886-MW-UCL5
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 15
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



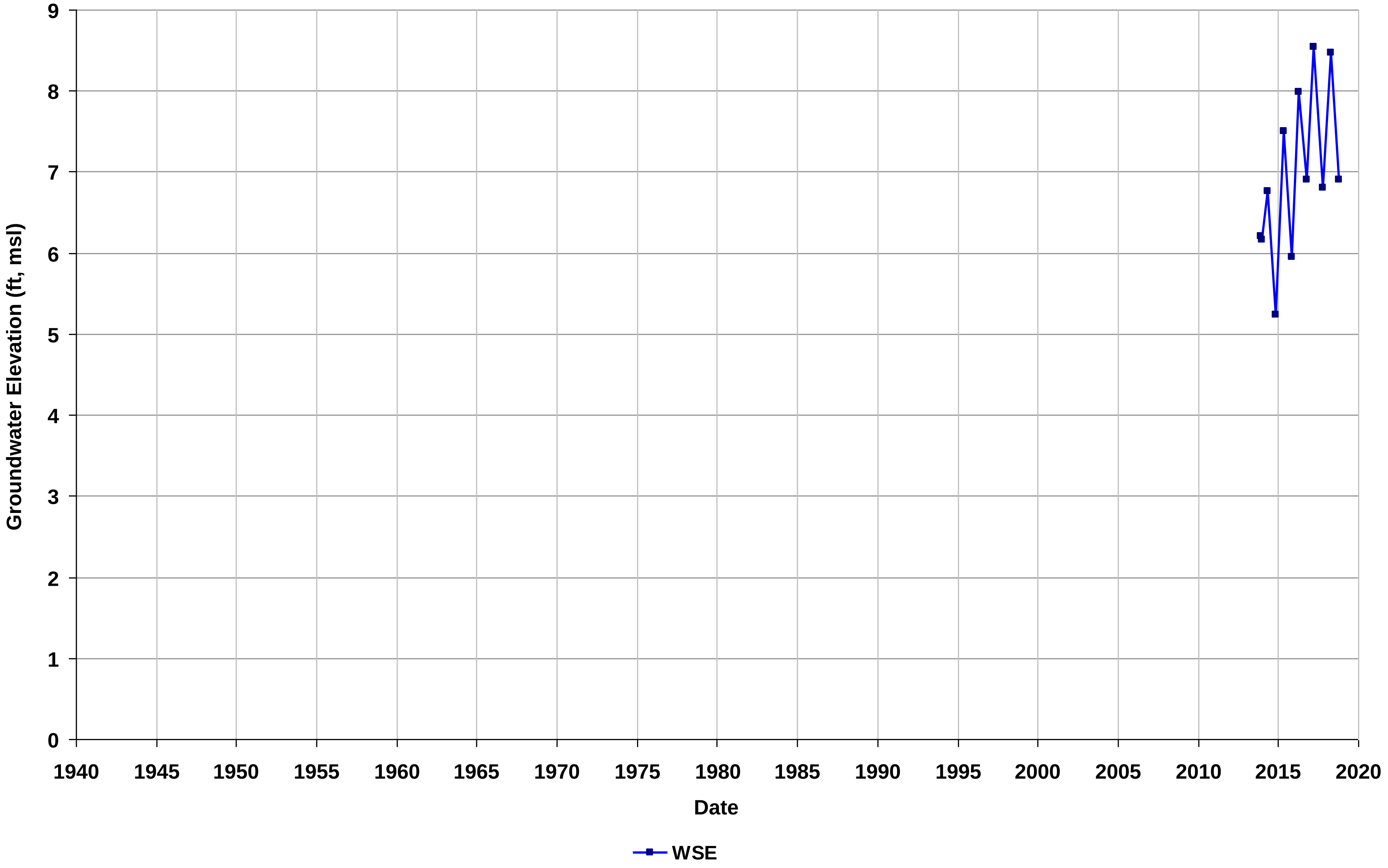
Well Name: SL20268886-MW-UCL6
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 16
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



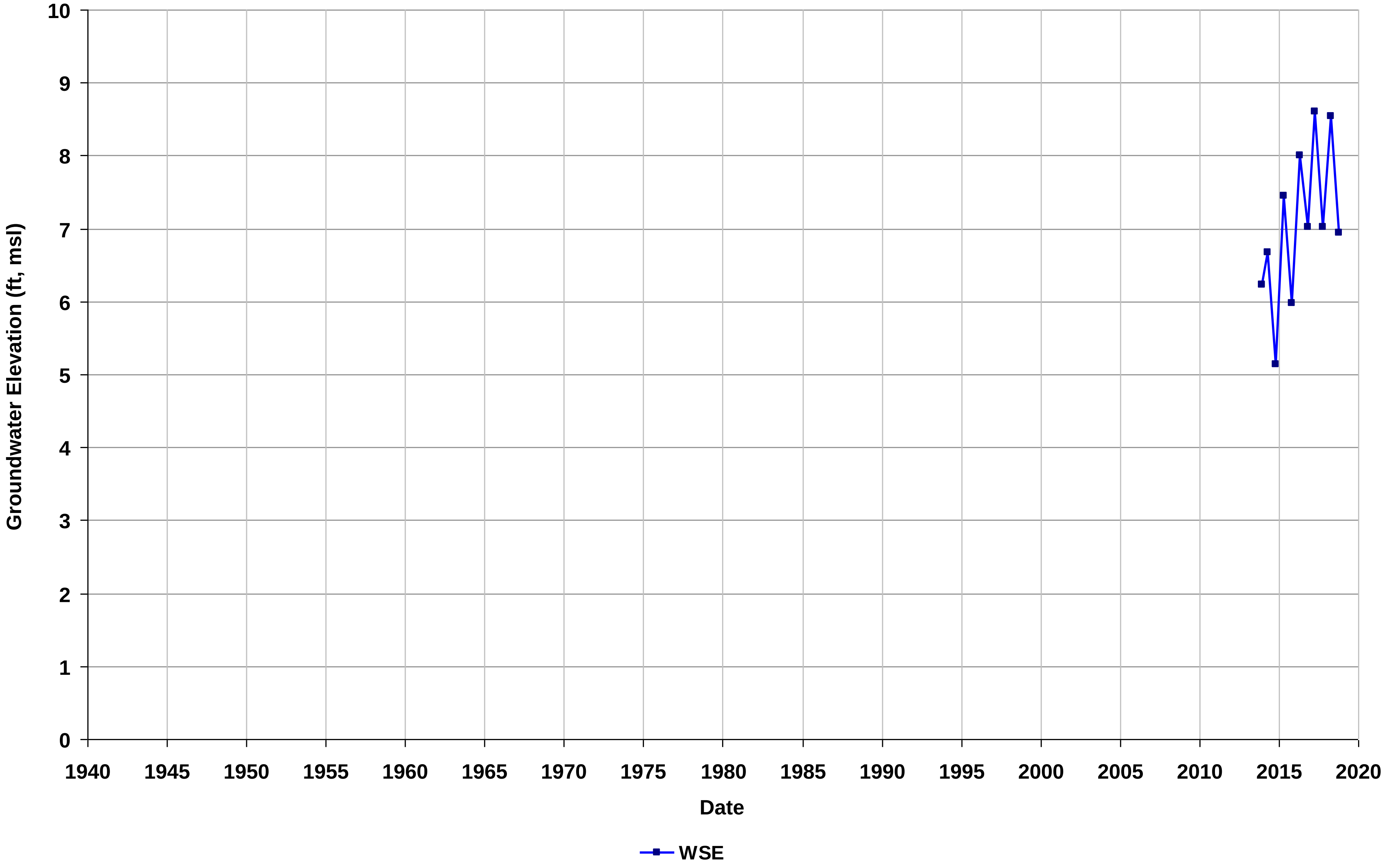
Well Name: SL20268886-MW-UCL7
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 16
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



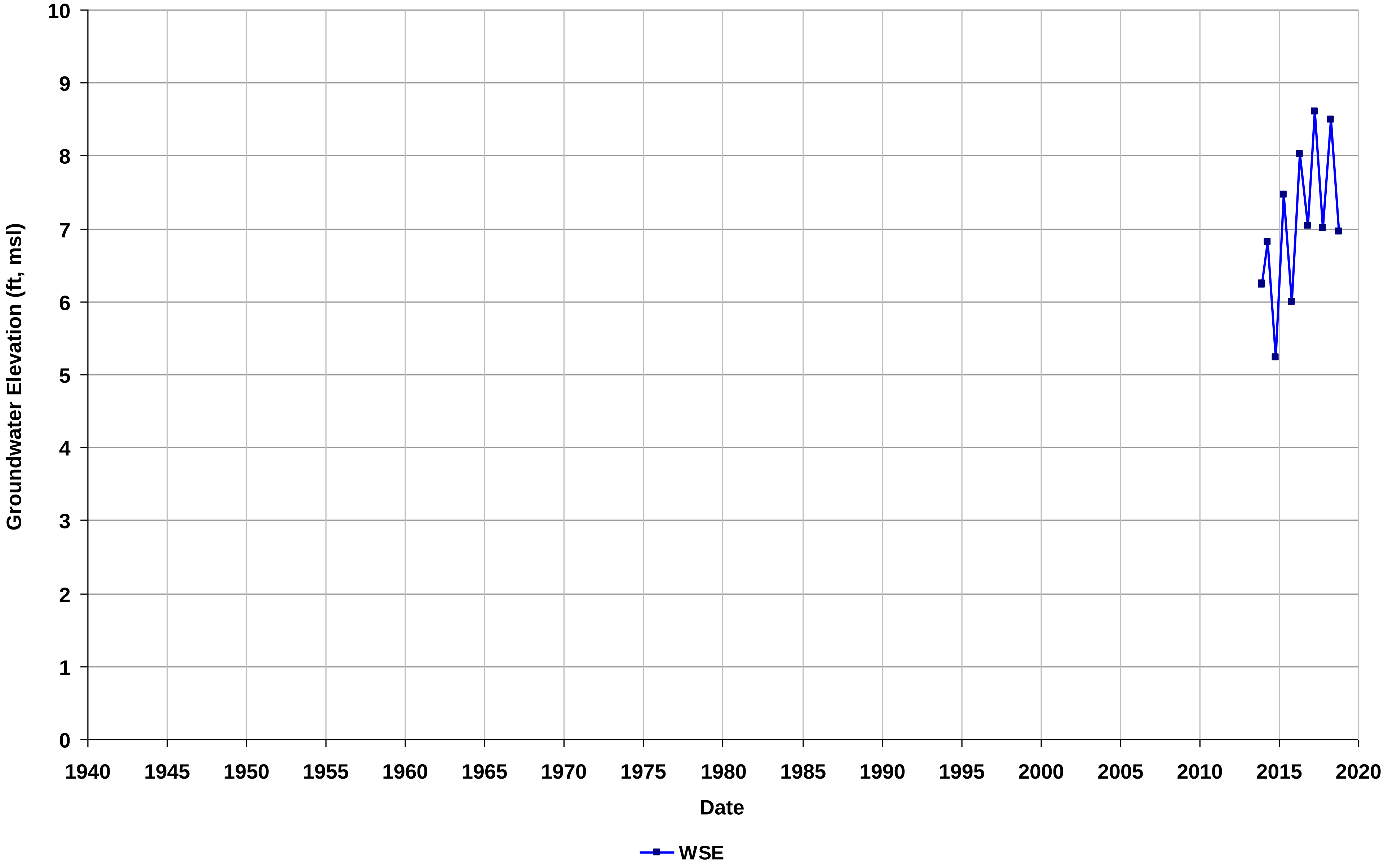
Well Name: SL20268886-PMW-10L
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 21
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



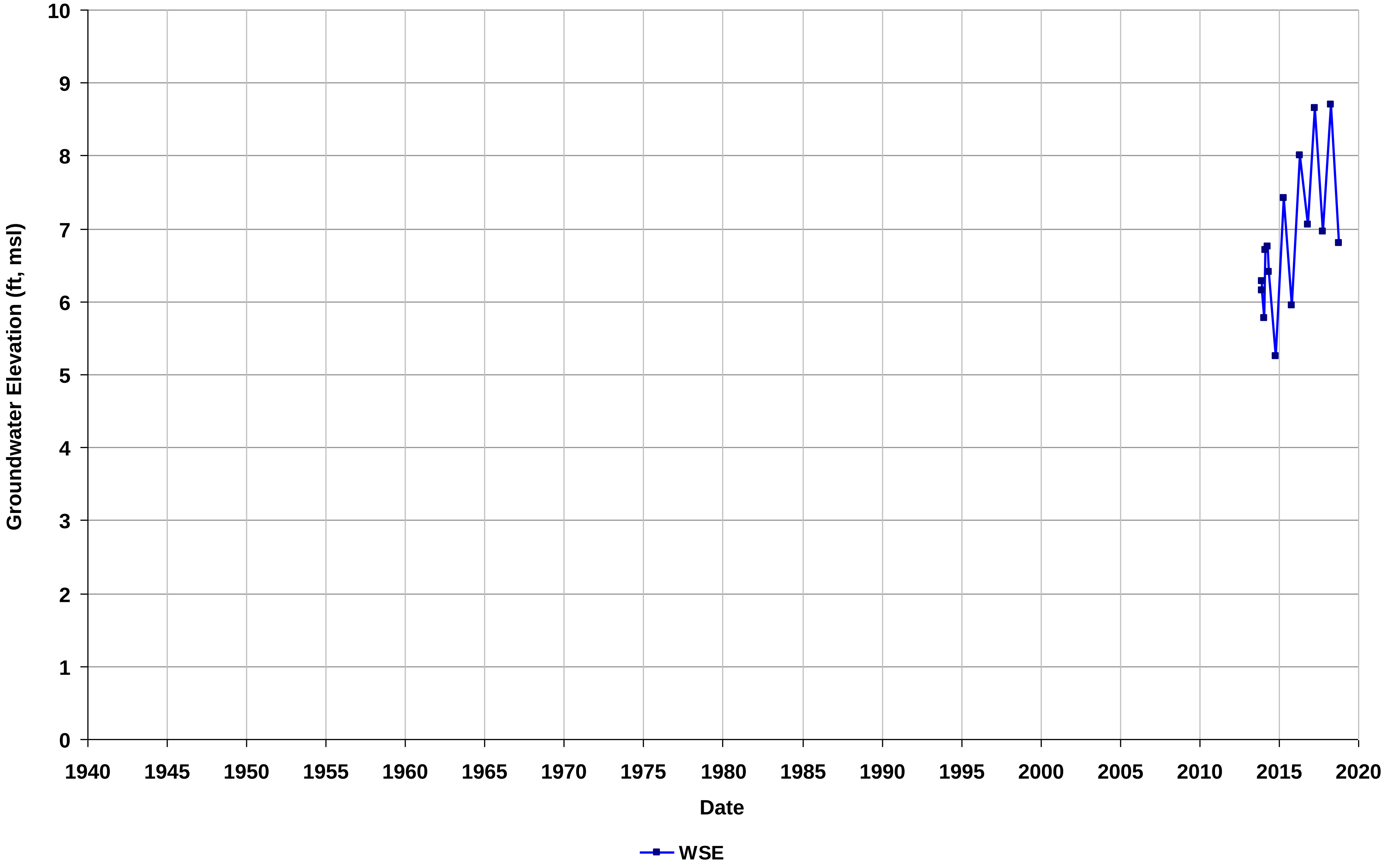
Well Name: SL20268886-PMW-10U
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 16
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



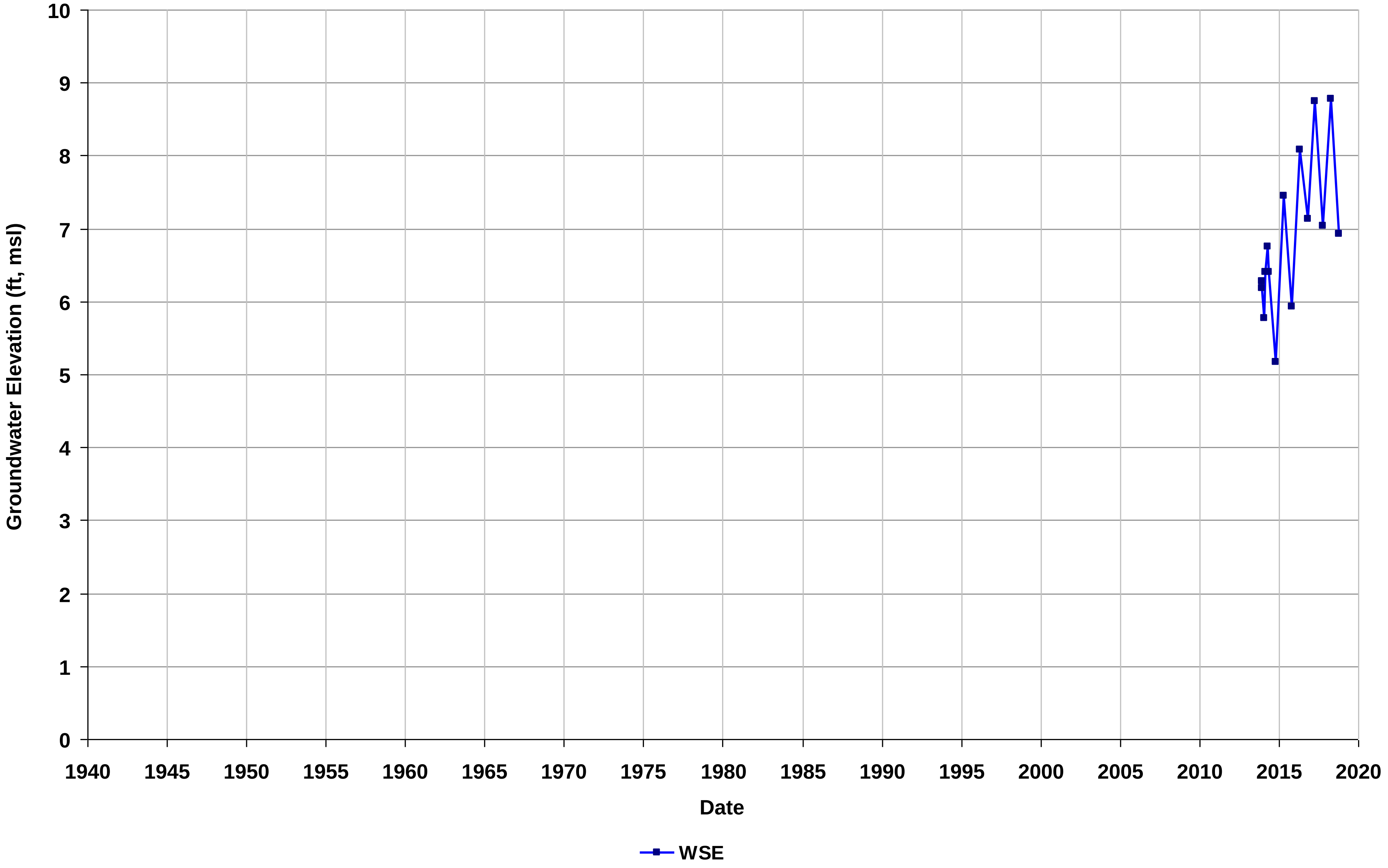
Well Name: SL20268886-PMW-1L
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



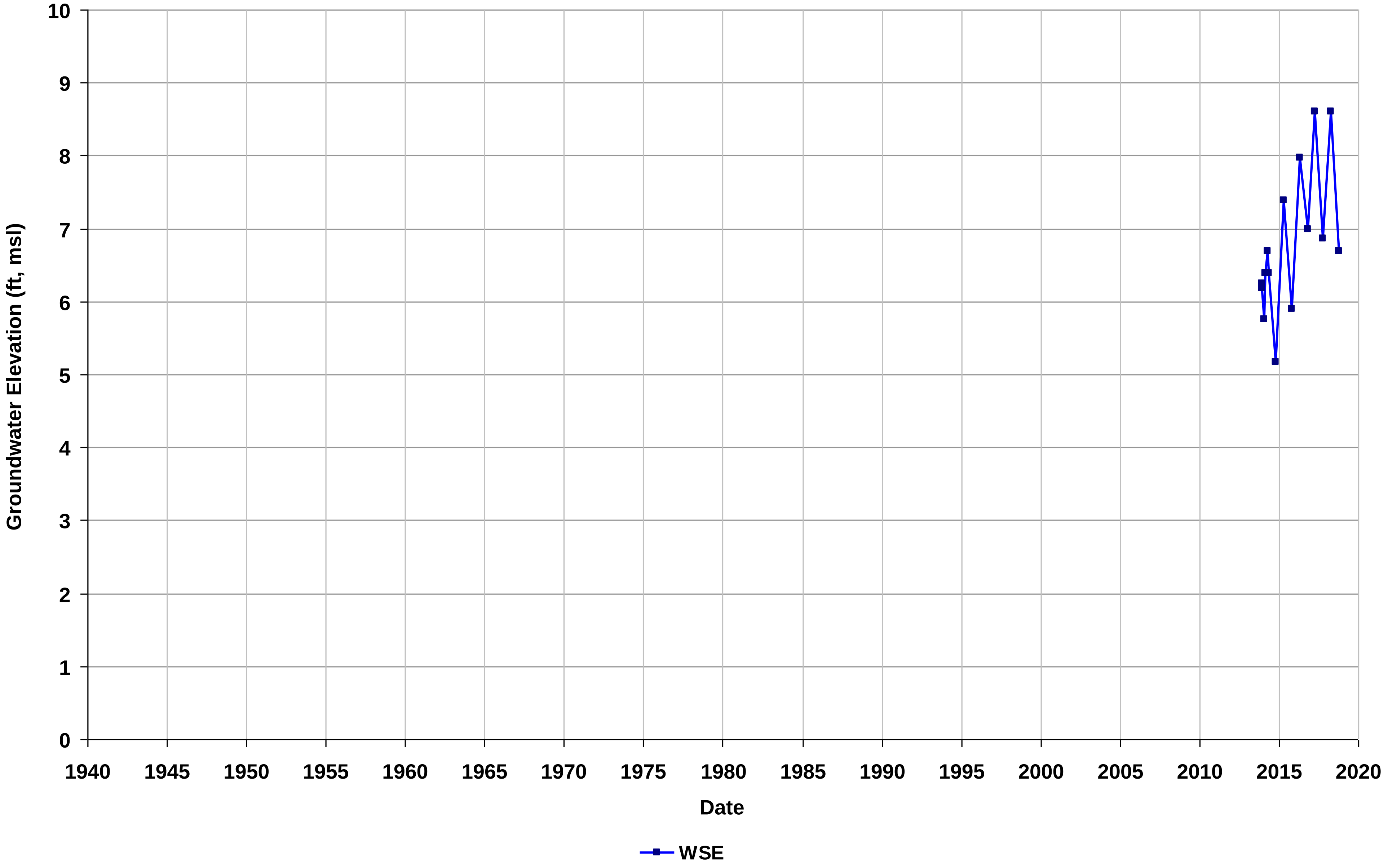
Well Name: SL20268886-PMW-1U
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 16
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



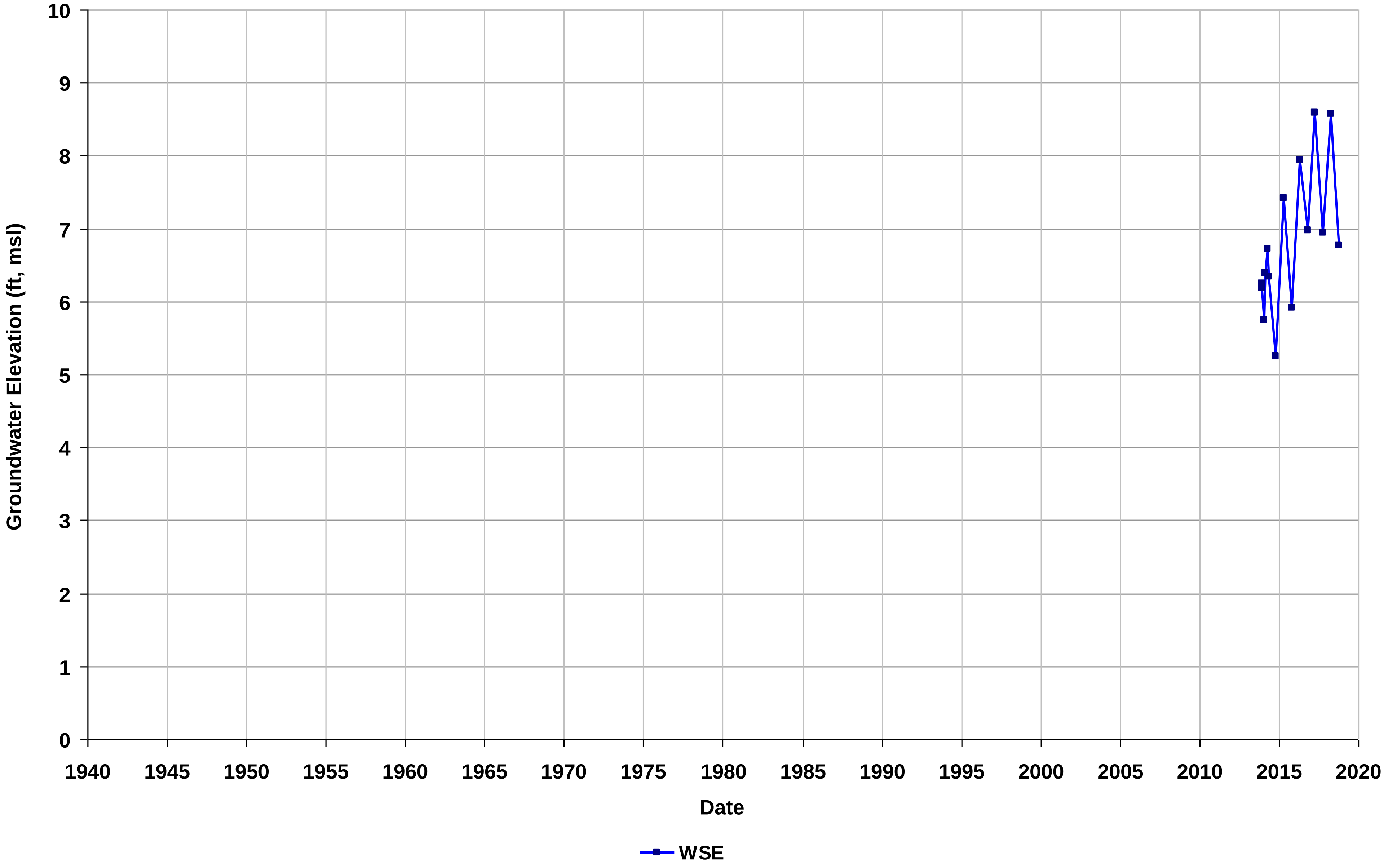
Well Name: SL20268886-PMW-2L
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



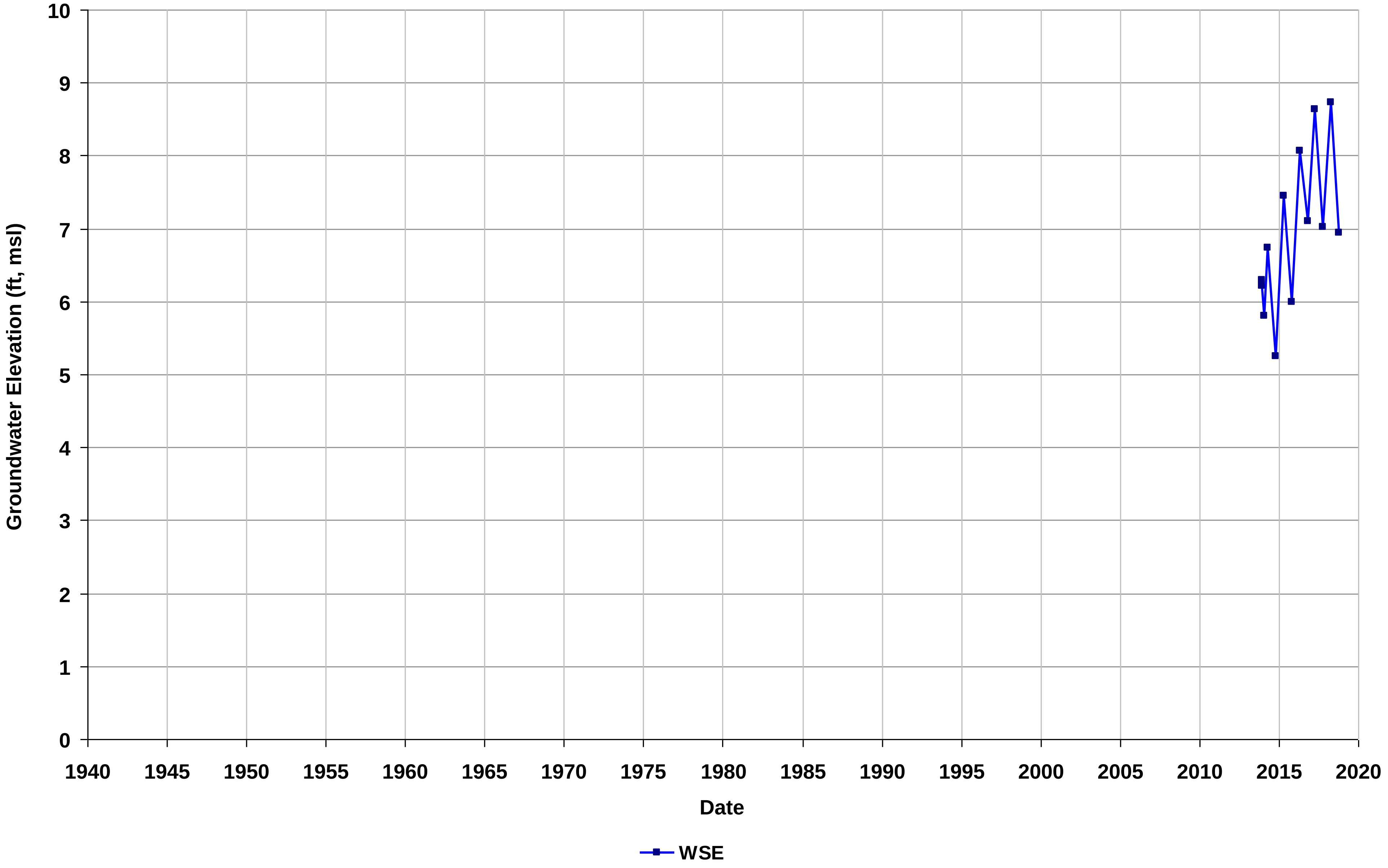
Well Name: SL20268886-PMW-2U
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 16
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



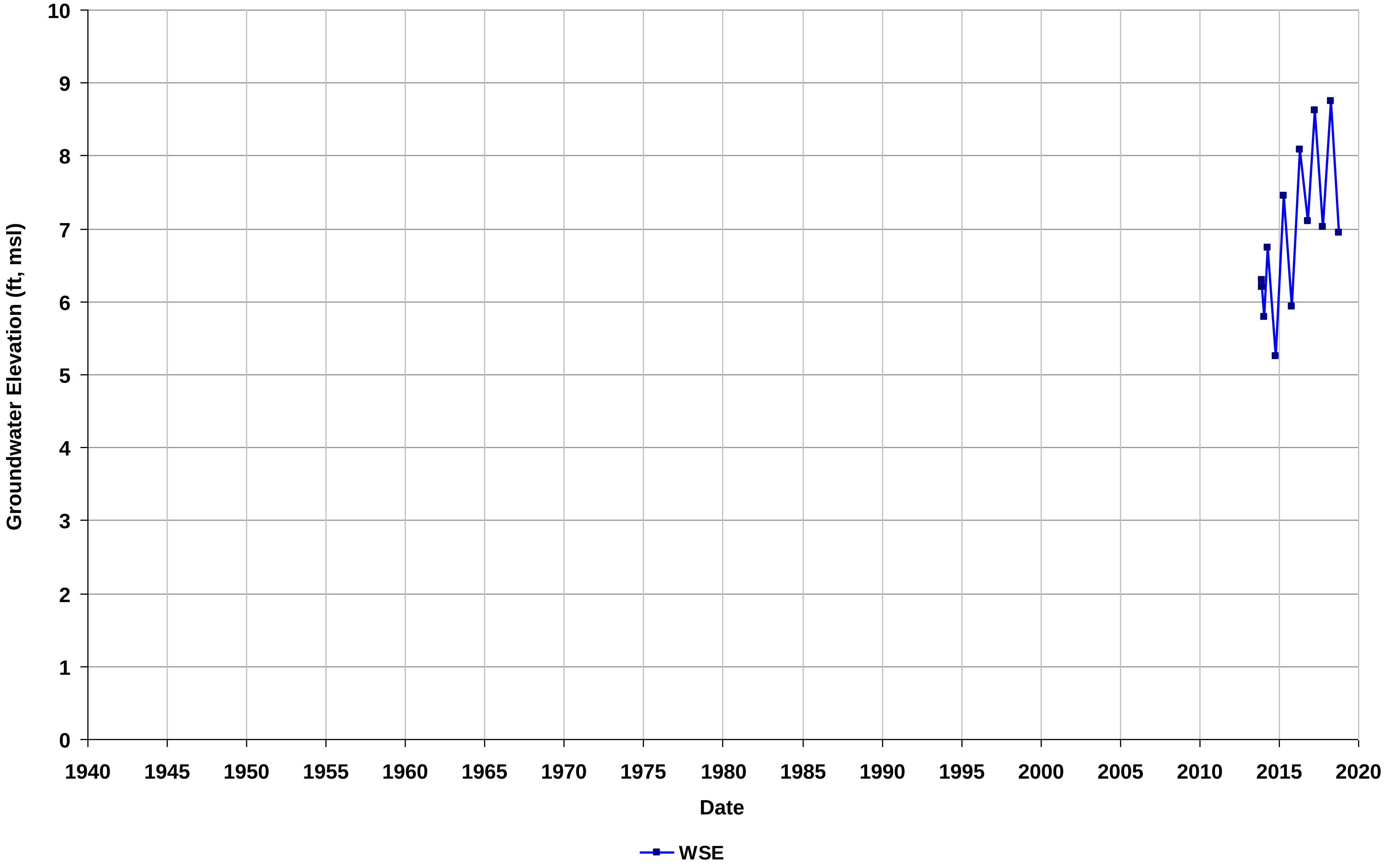
Well Name: SL20268886-PMW-3L
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



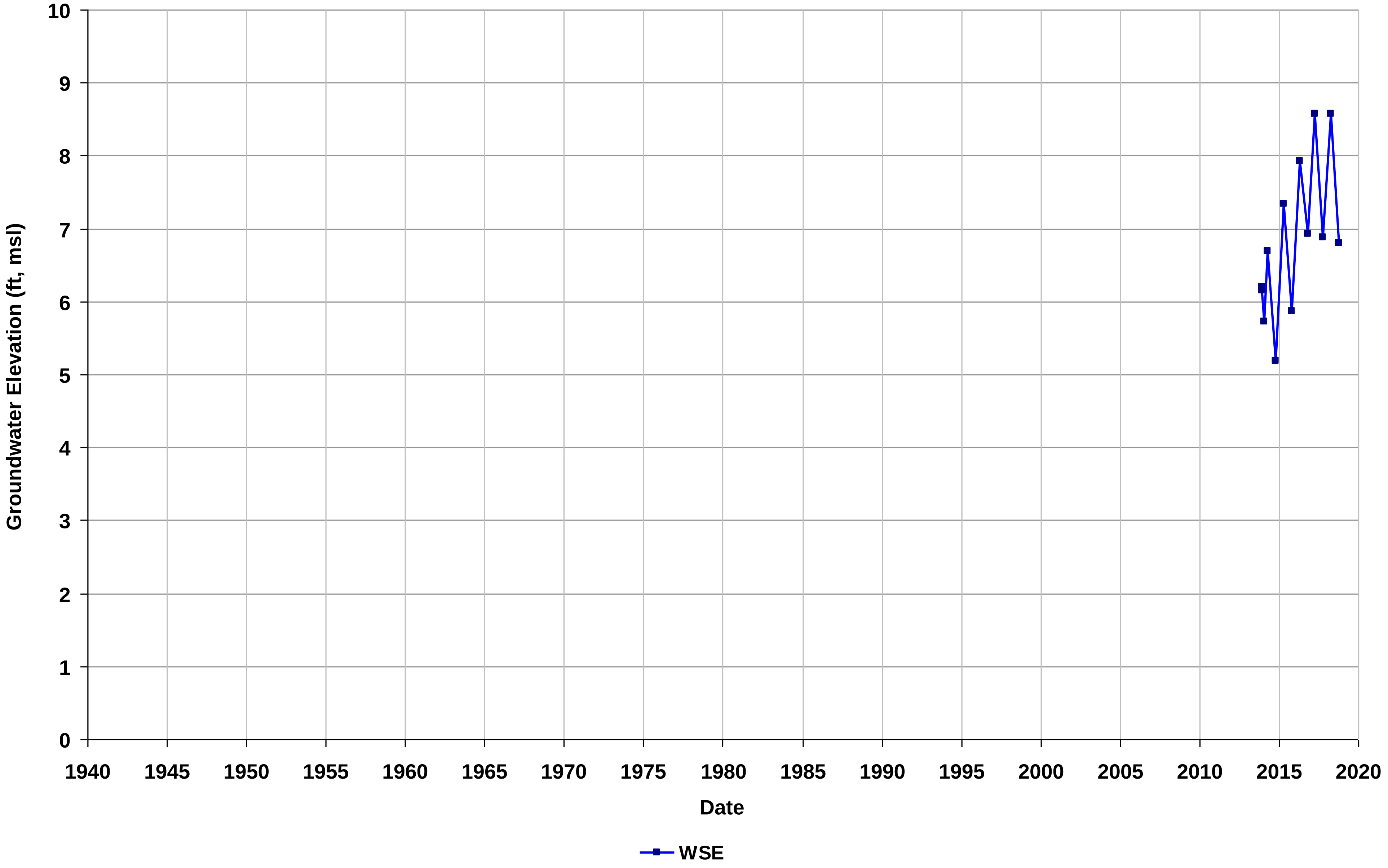
Well Name: SL20268886-PMW-3U
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 16
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



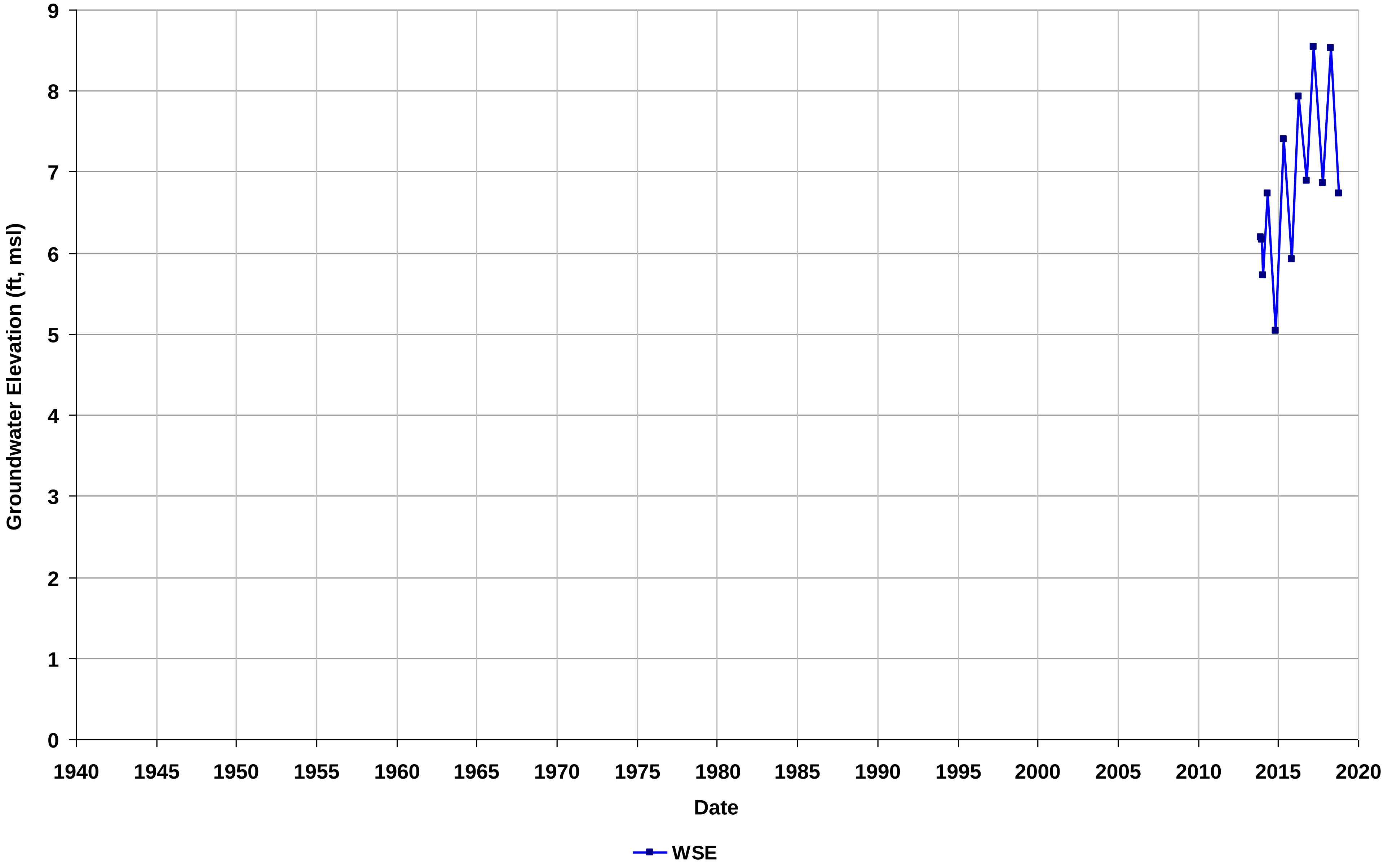
Well Name: SL20268886-PMW-4L
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



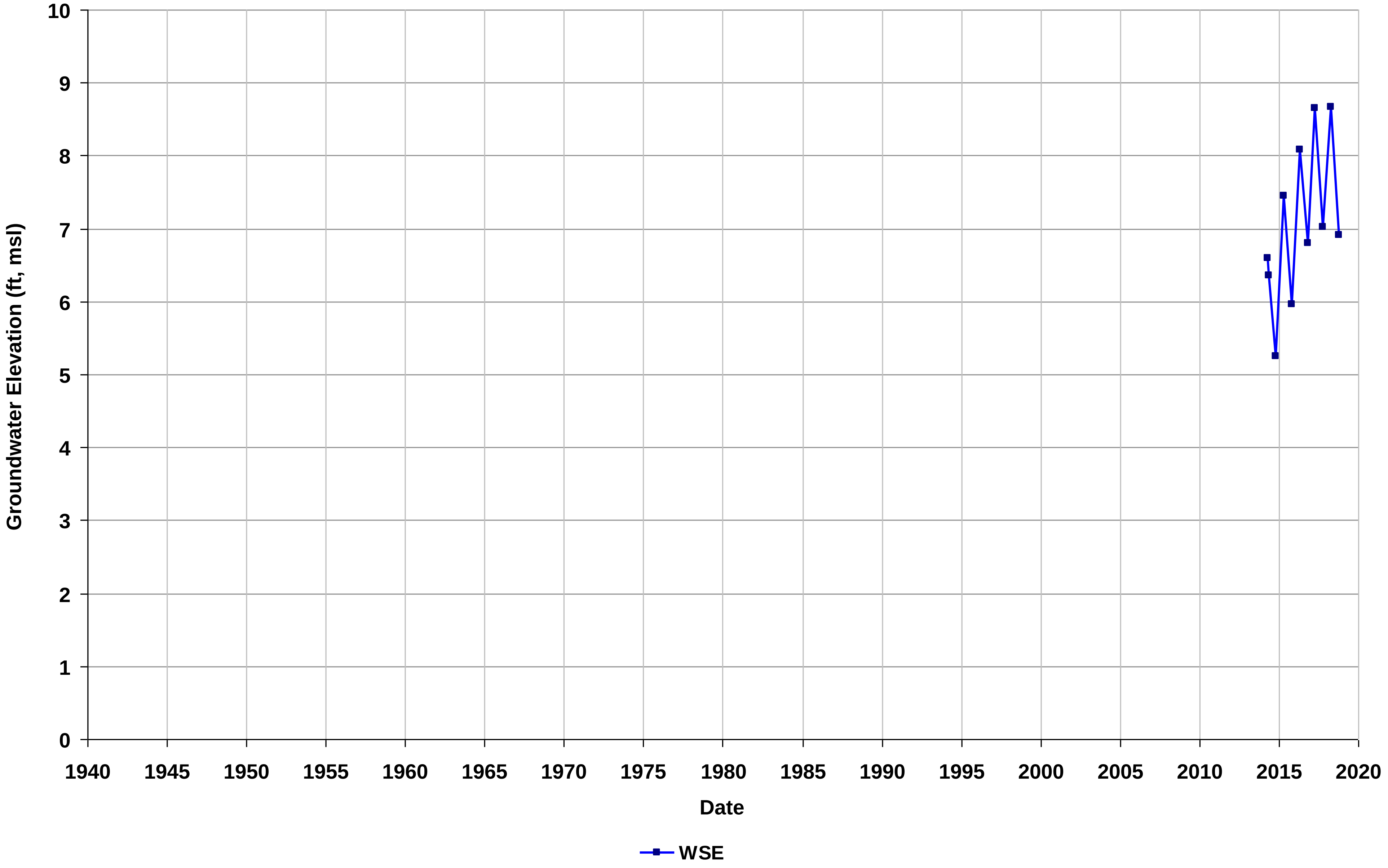
Well Name: SL20268886-PMW-4U
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 15
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



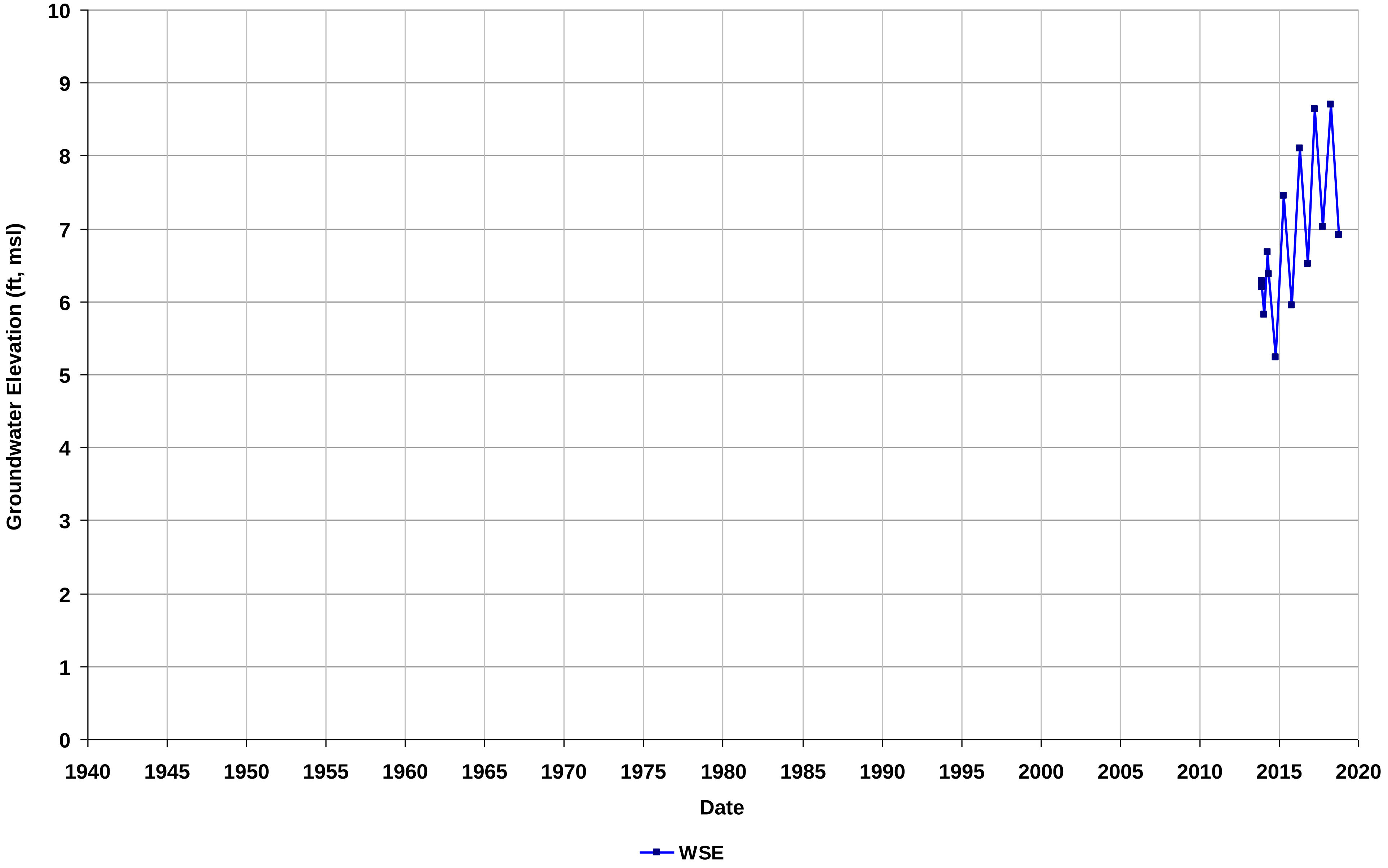
Well Name: SL20268886-PMW-5G
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 28
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



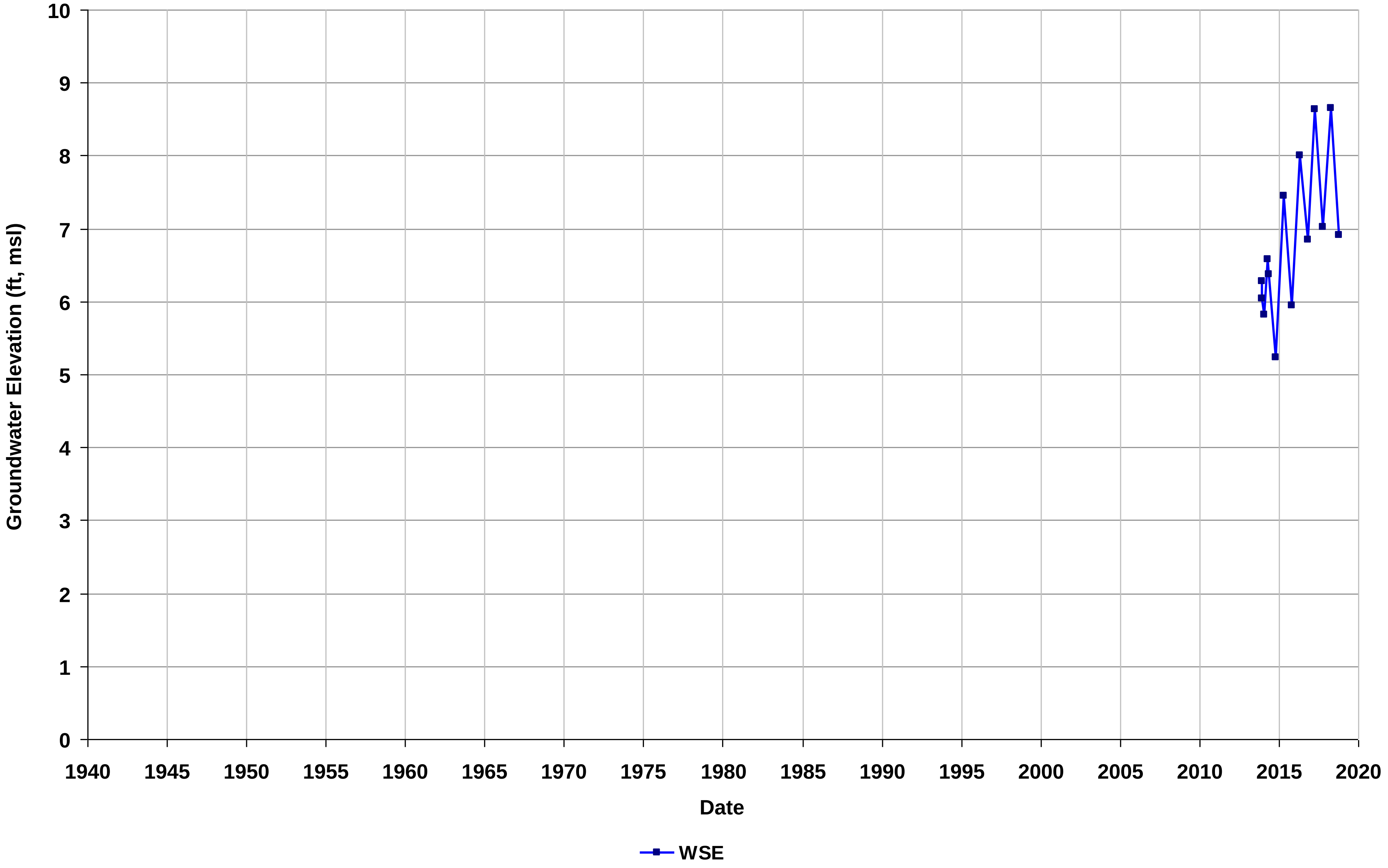
Well Name: SL20268886-PMW-5L
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 22
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



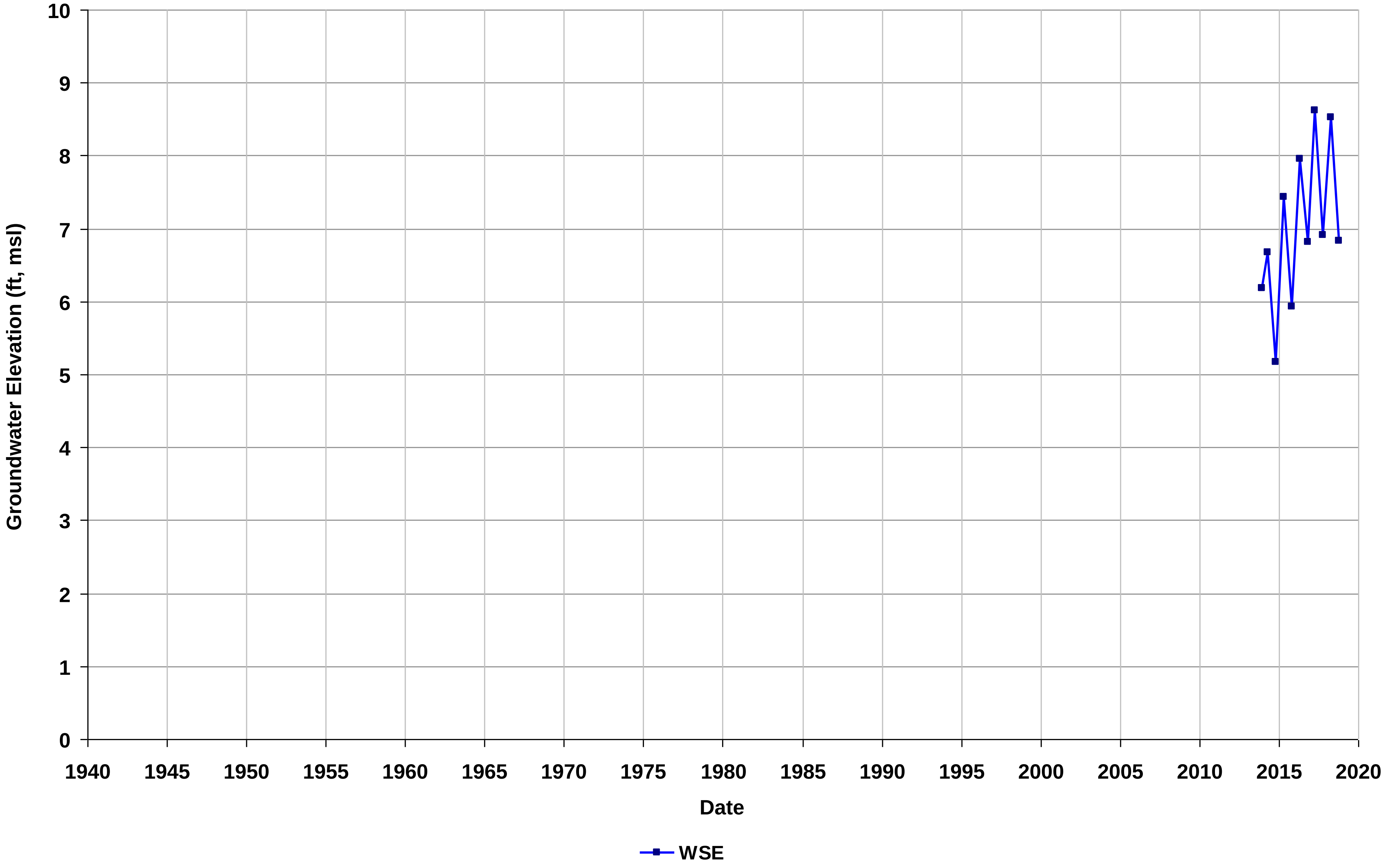
Well Name: SL20268886-PMW-5U
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 19
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



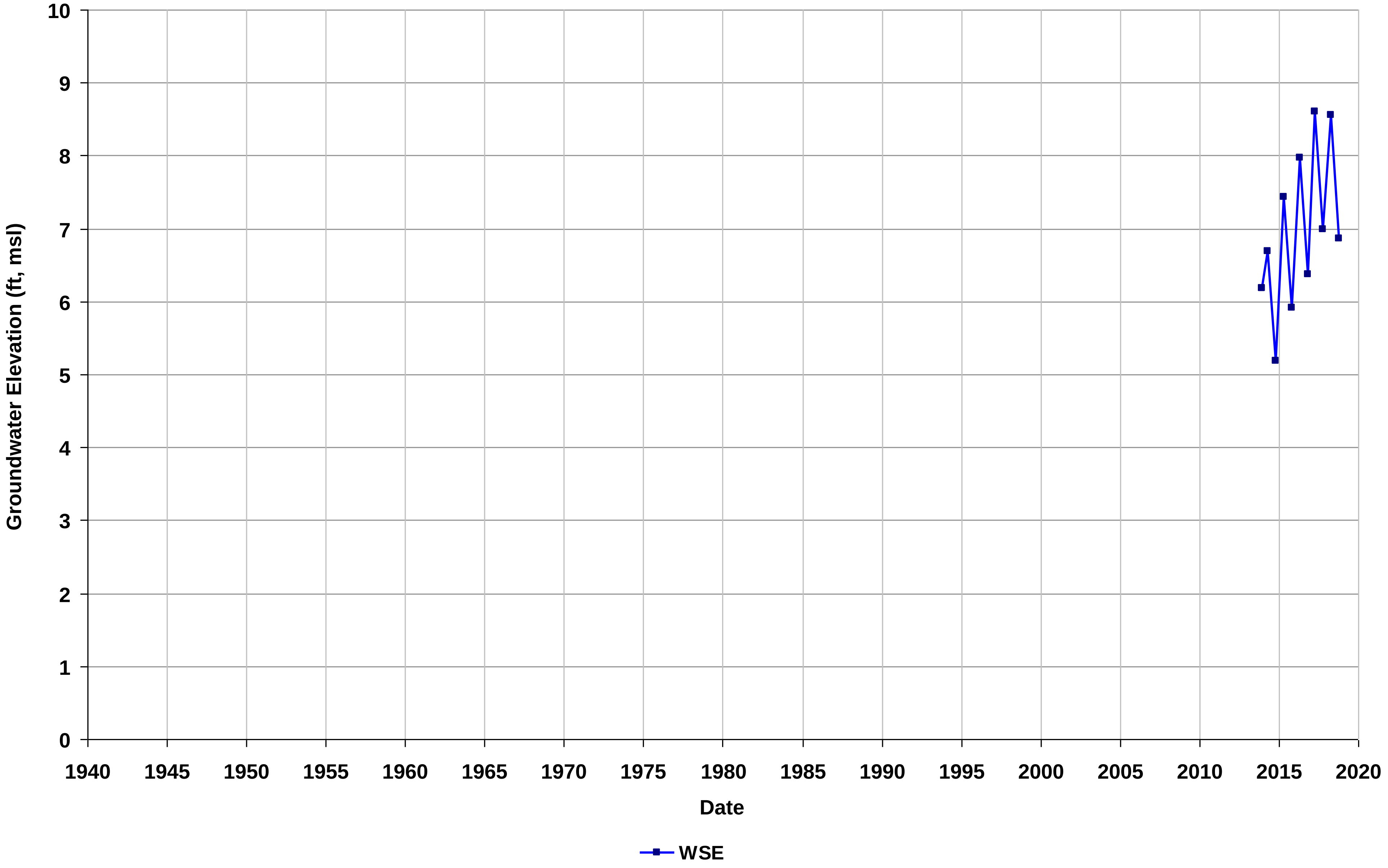
Well Name: SL20268886-PMW-6L
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 22
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



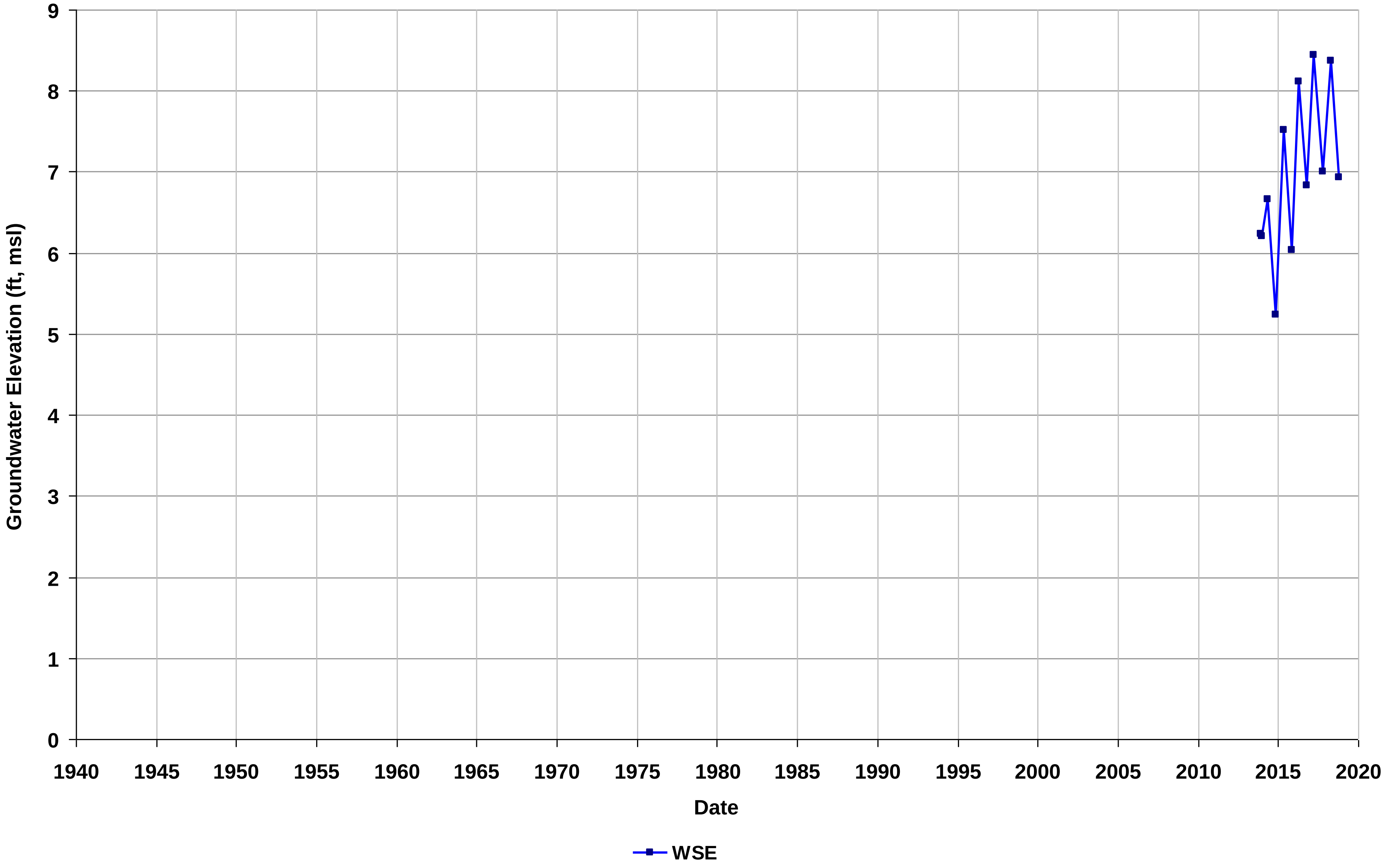
Well Name: SL20268886-PMW-6U
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 19
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



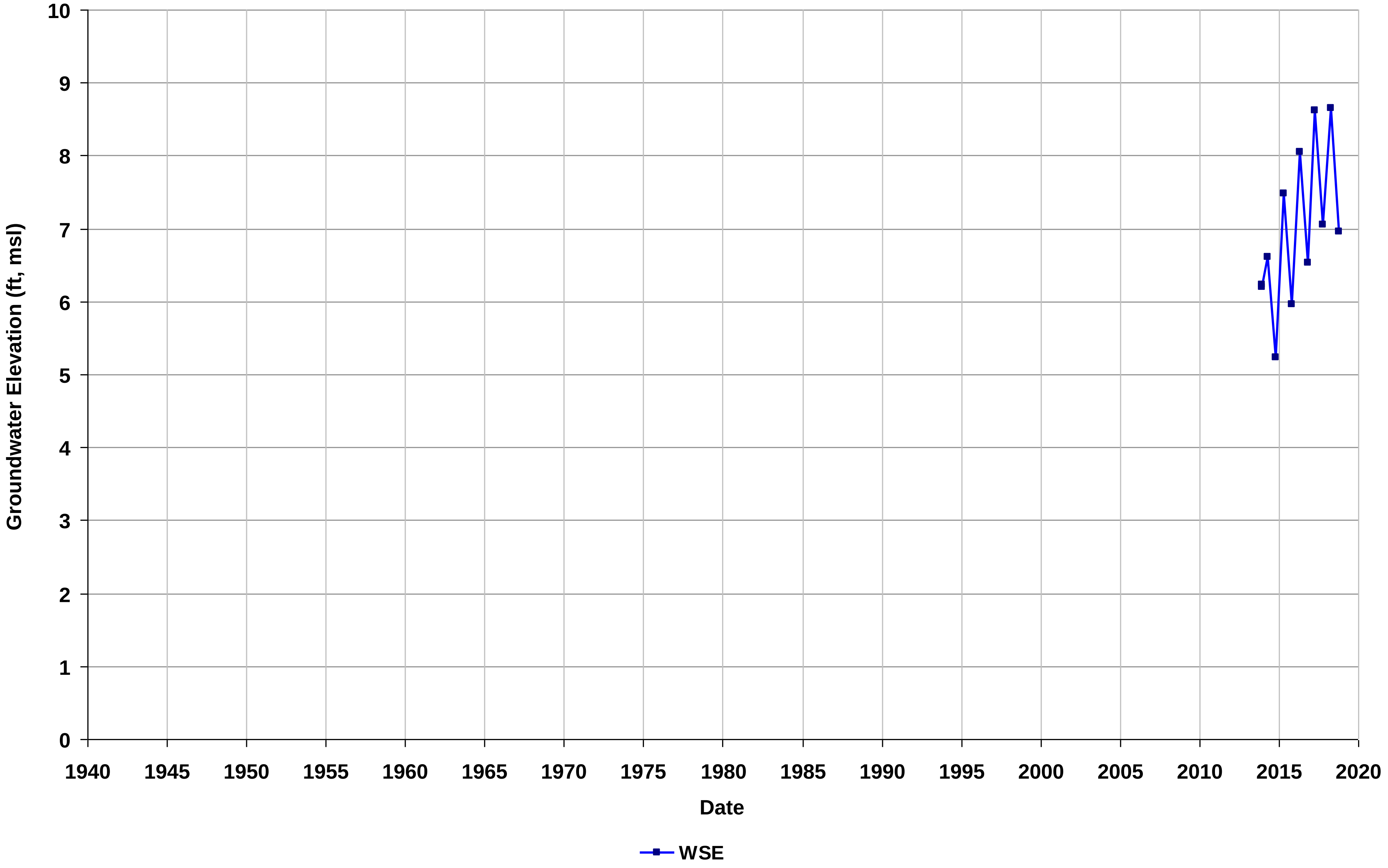
Well Name: SL20268886-PMW-7L
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 11
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



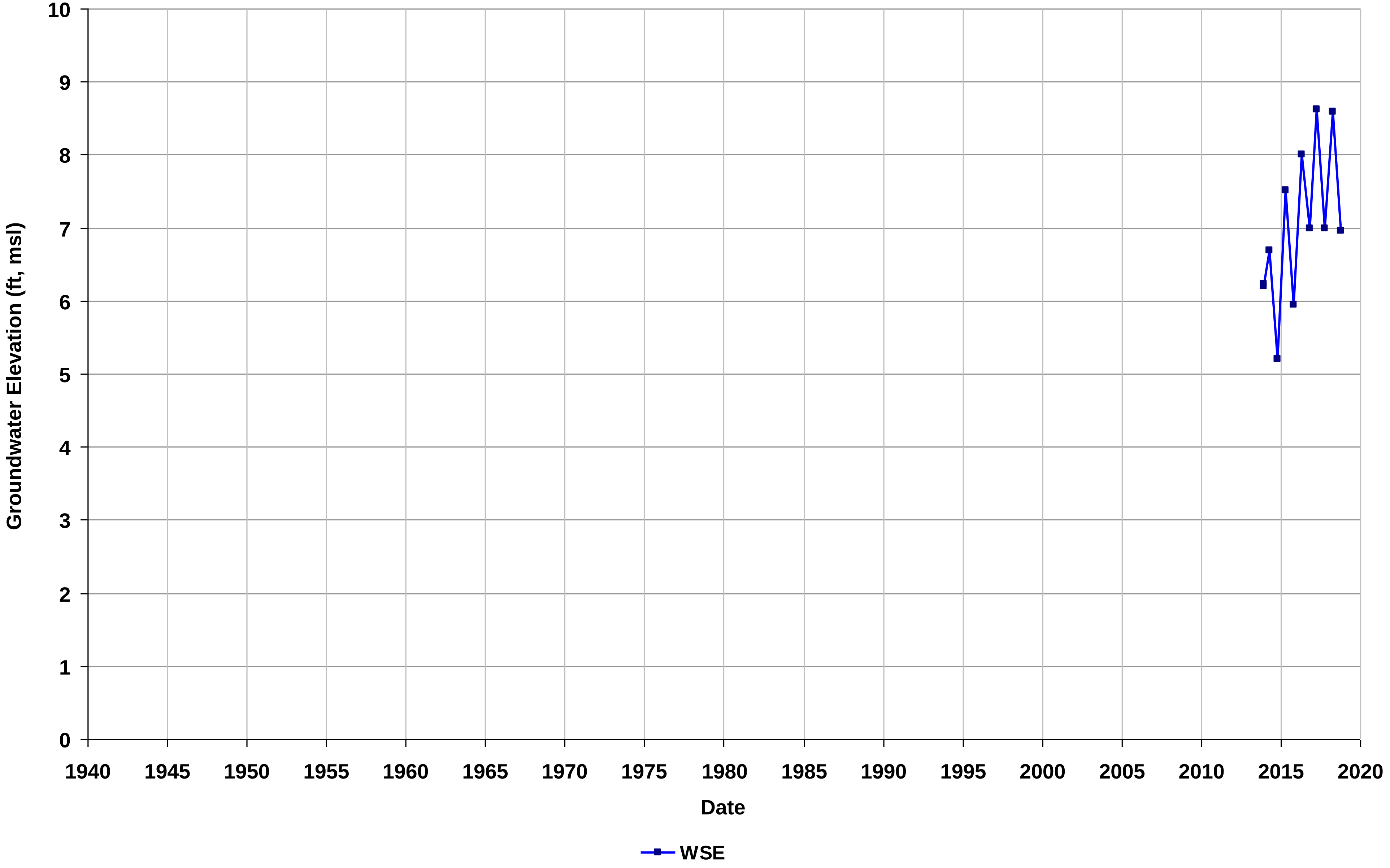
Well Name: SL20268886-PMW-7U
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 19
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



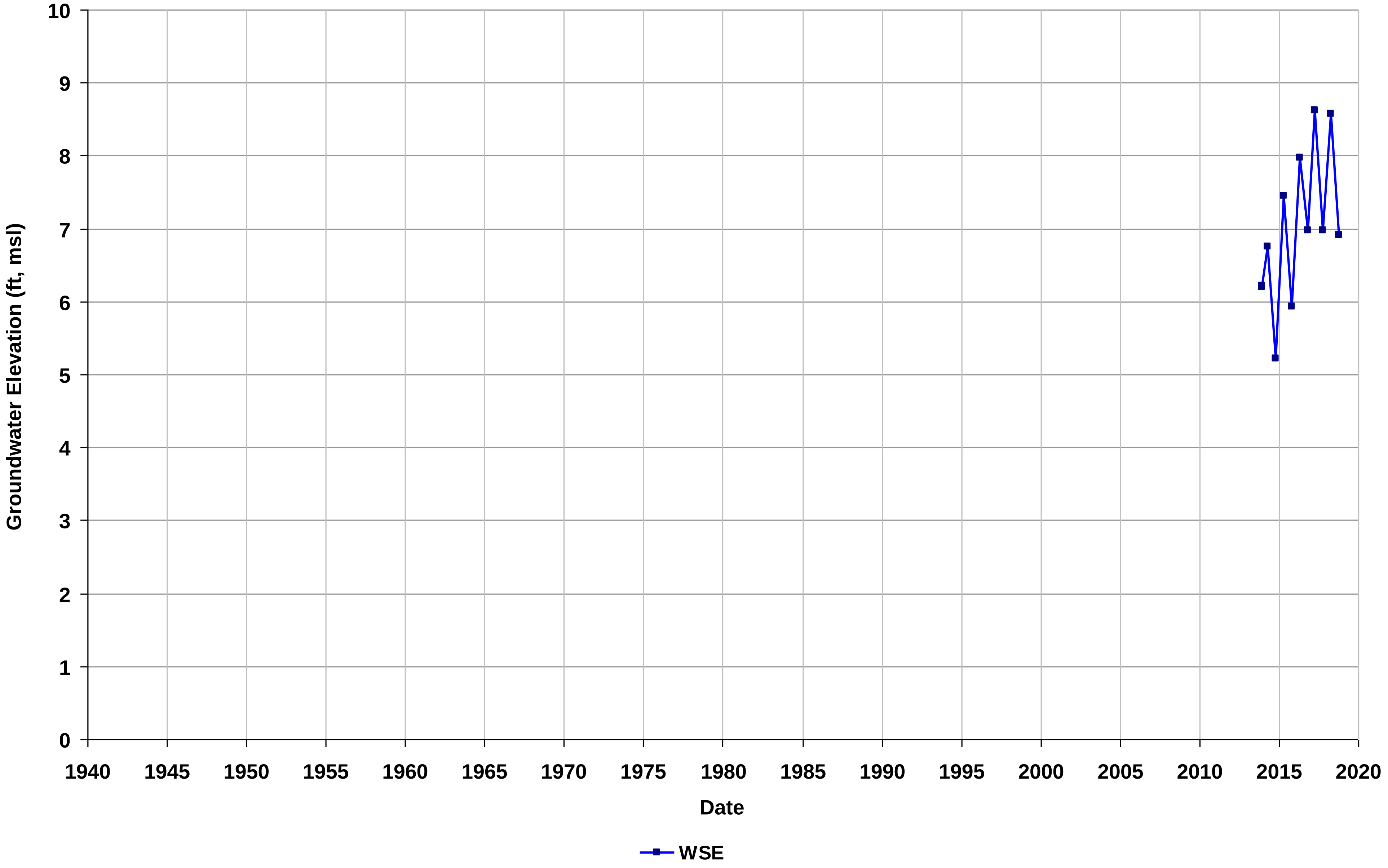
Well Name: SL20268886-PMW-8L
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 25
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



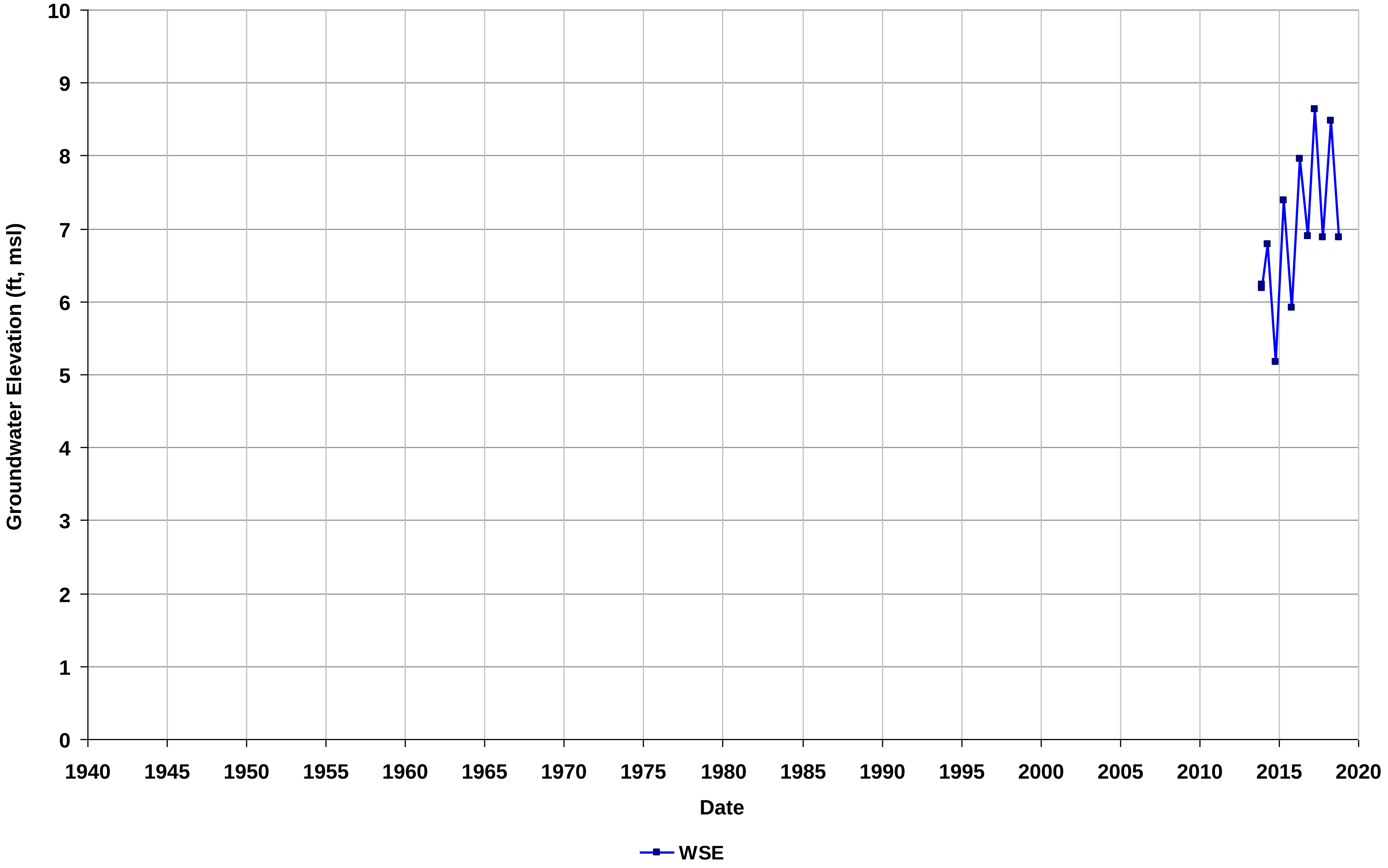
Well Name: SL20268886-PMW-8U
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



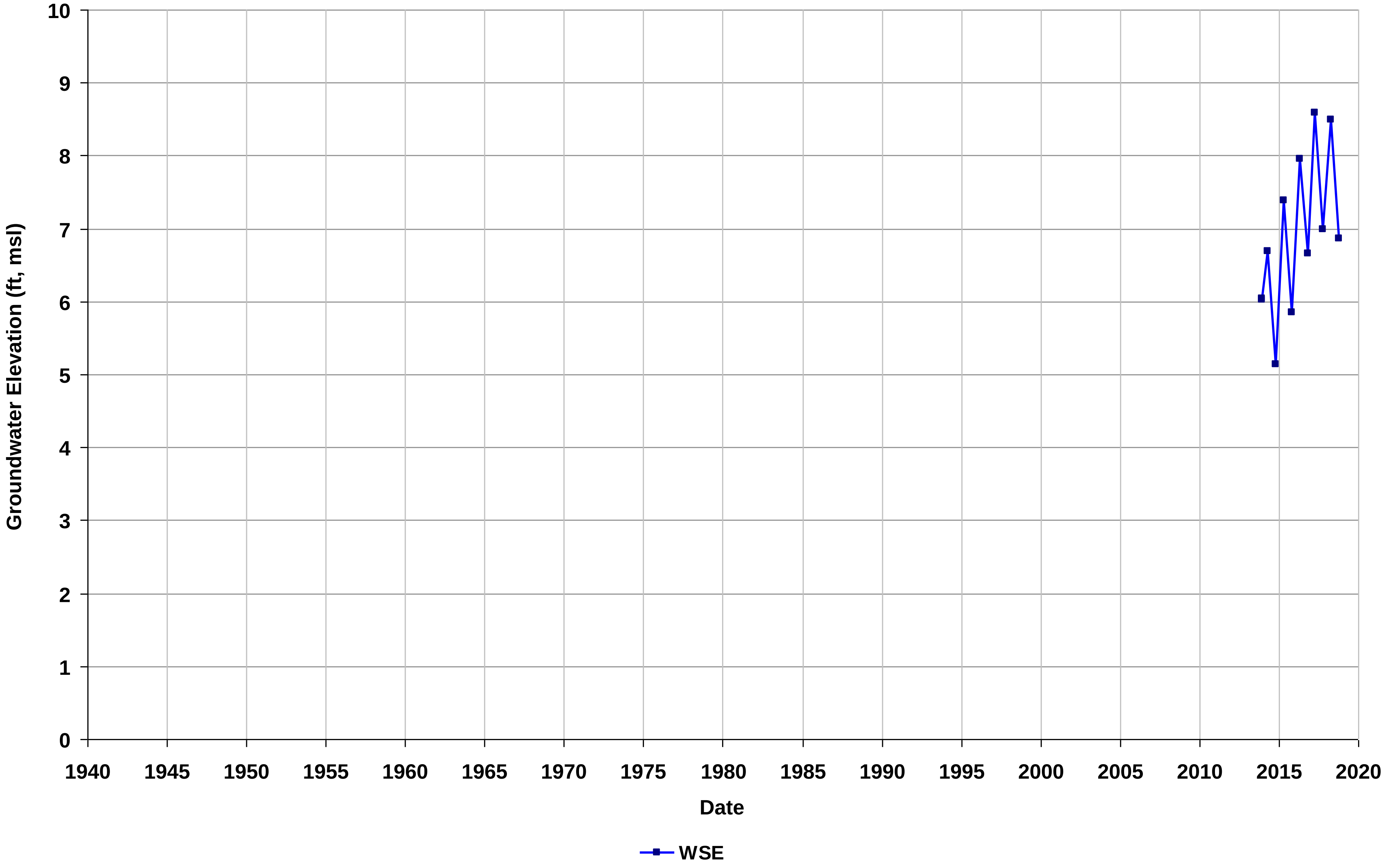
Well Name: SL20268886-PMW-9L
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 20
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



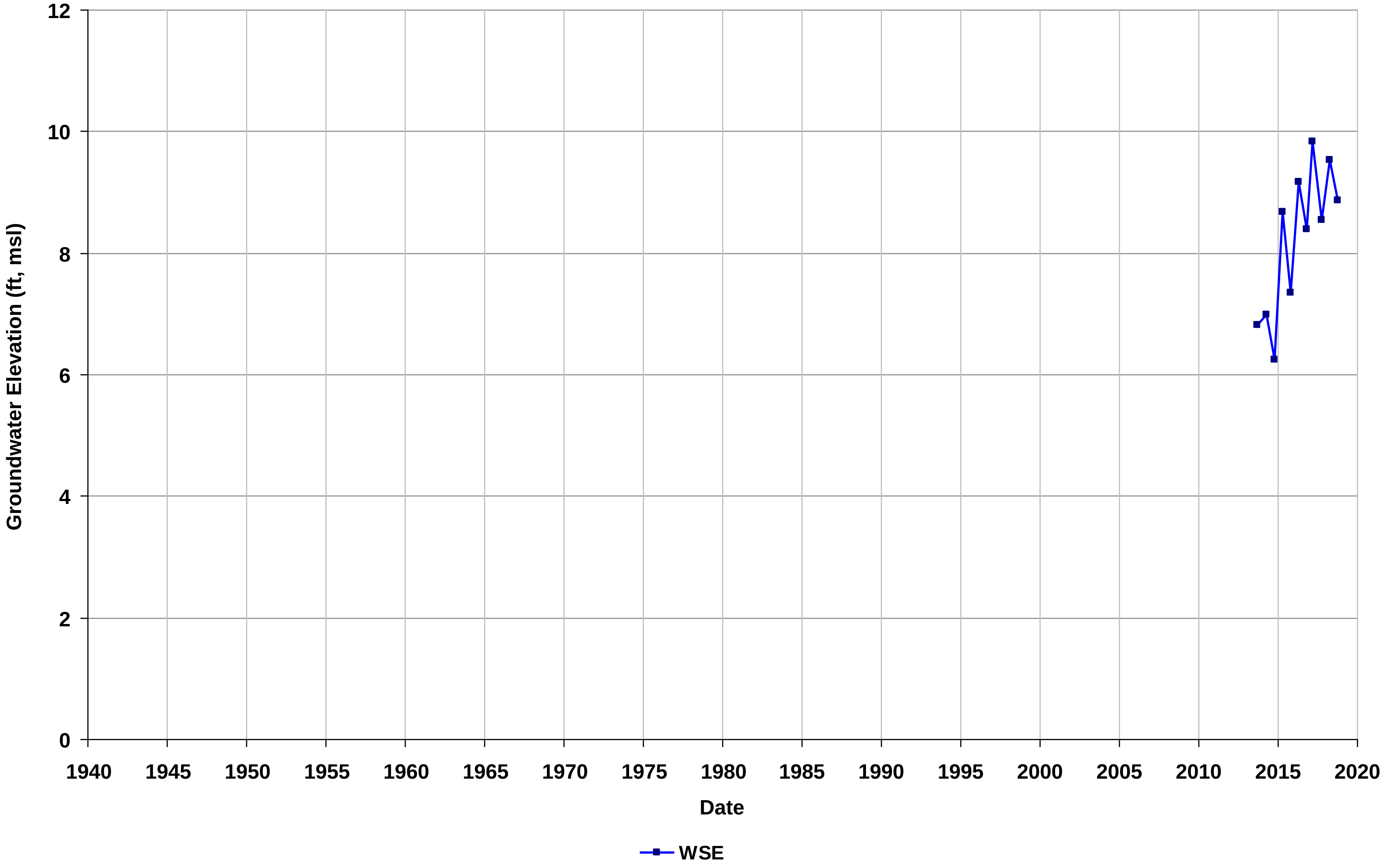
Well Name: SL20268886-PMW-9U
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 17
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



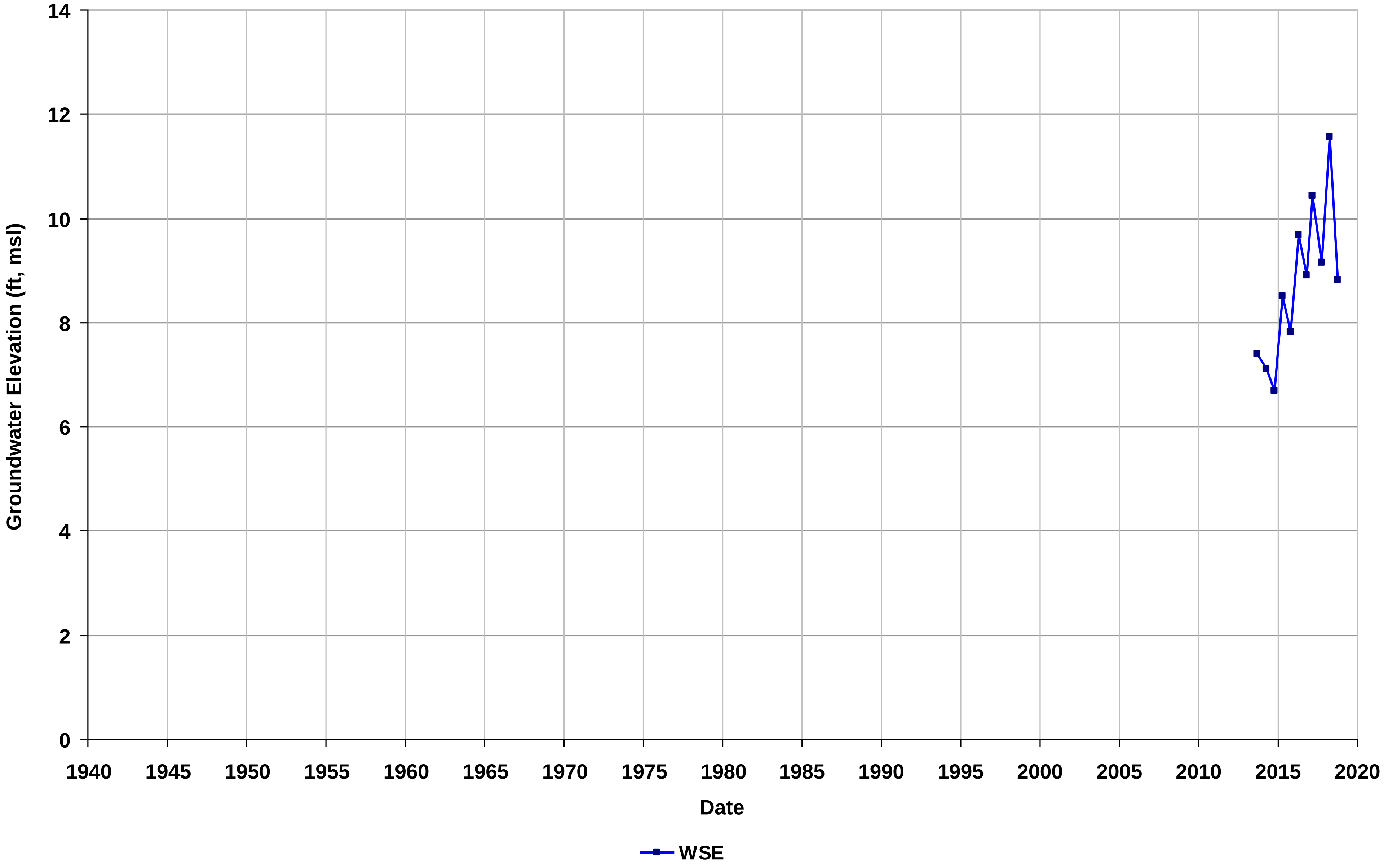
Well Name: SL20268886-PZ-NQ 01
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 34-36
T/R/S: n/a
Well Use: Observation



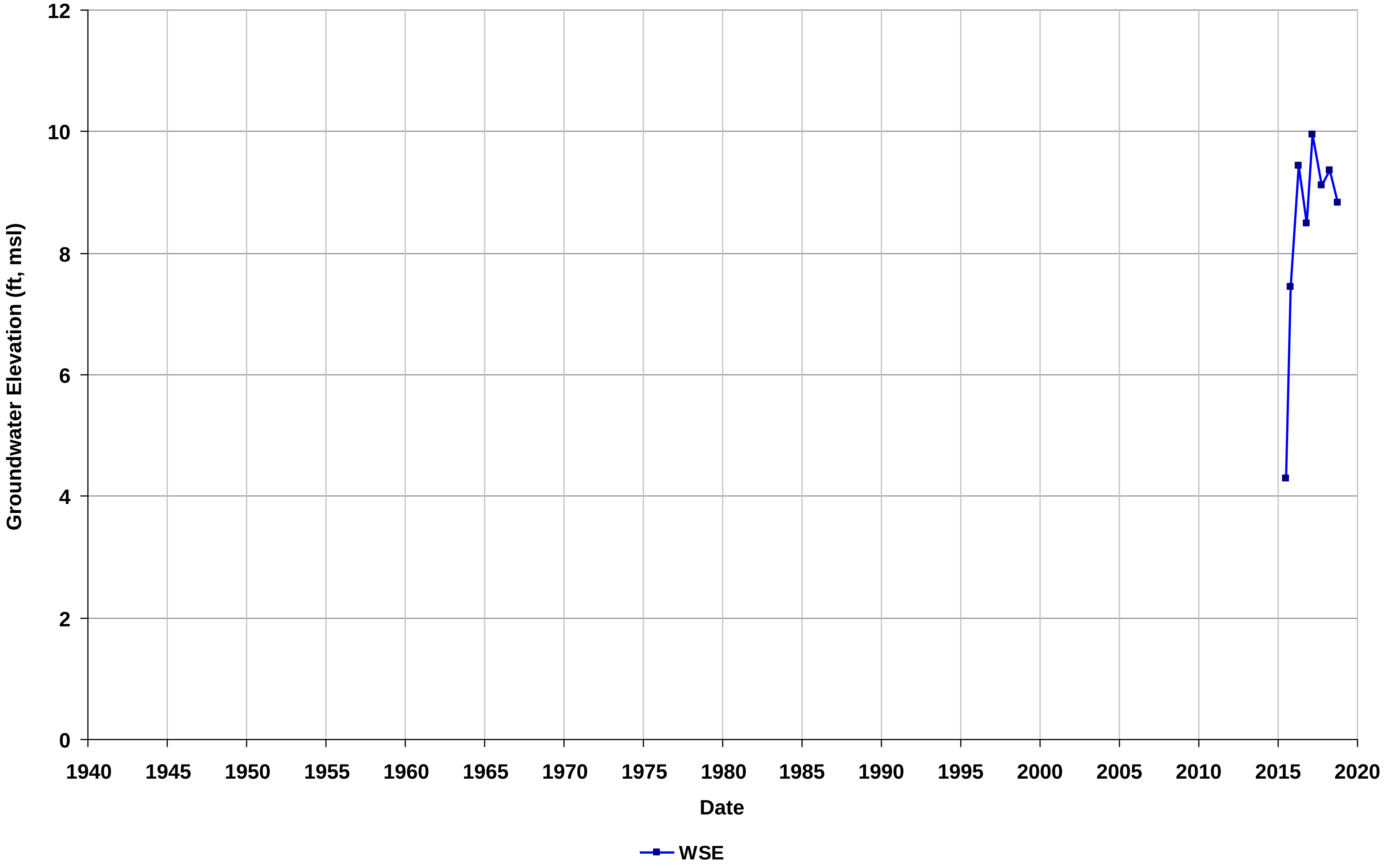
Well Name: SL20268886-PZ-NQ-02
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 44
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



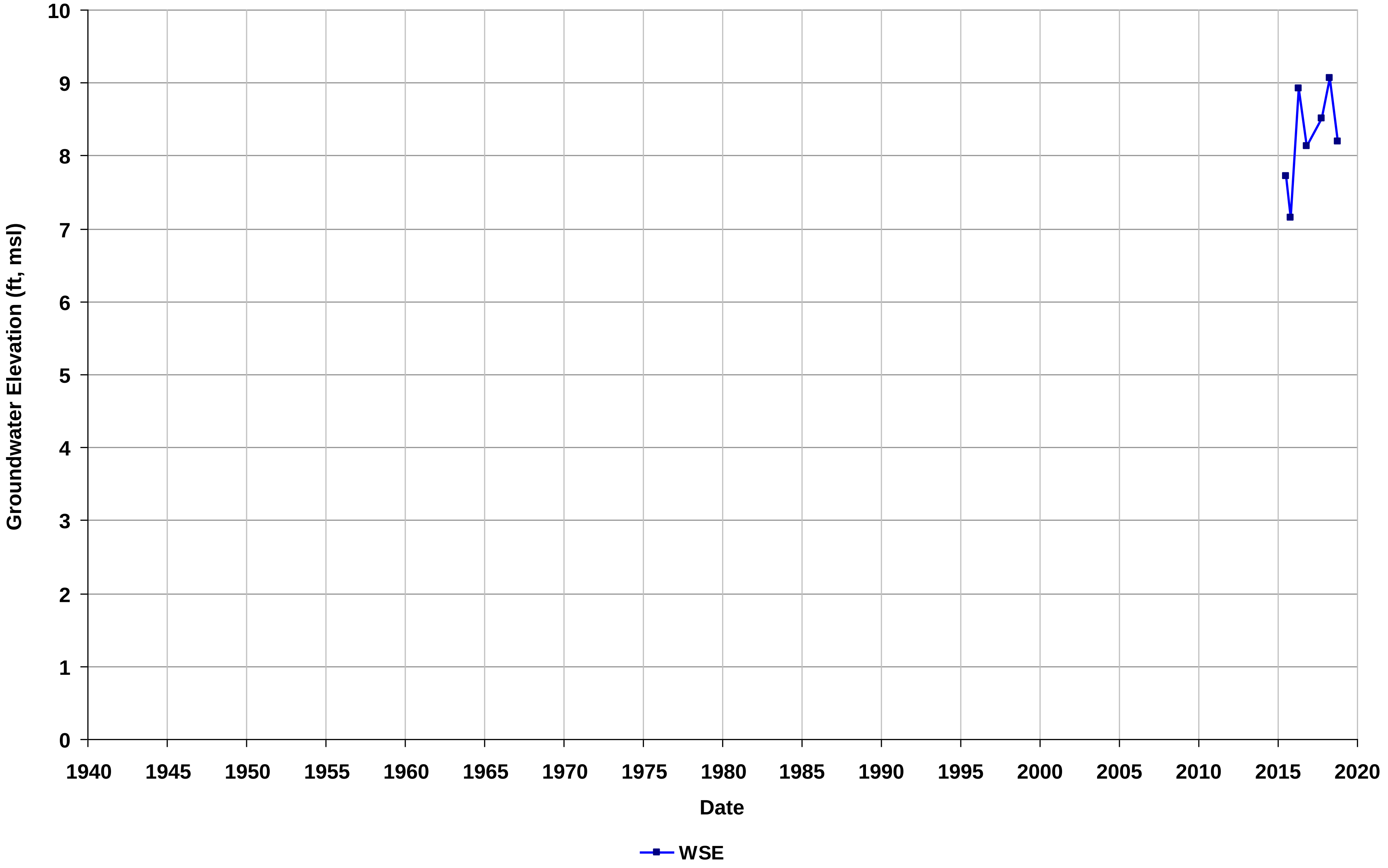
Well Name: SL20268886-PZ-NQ-03
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 38
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



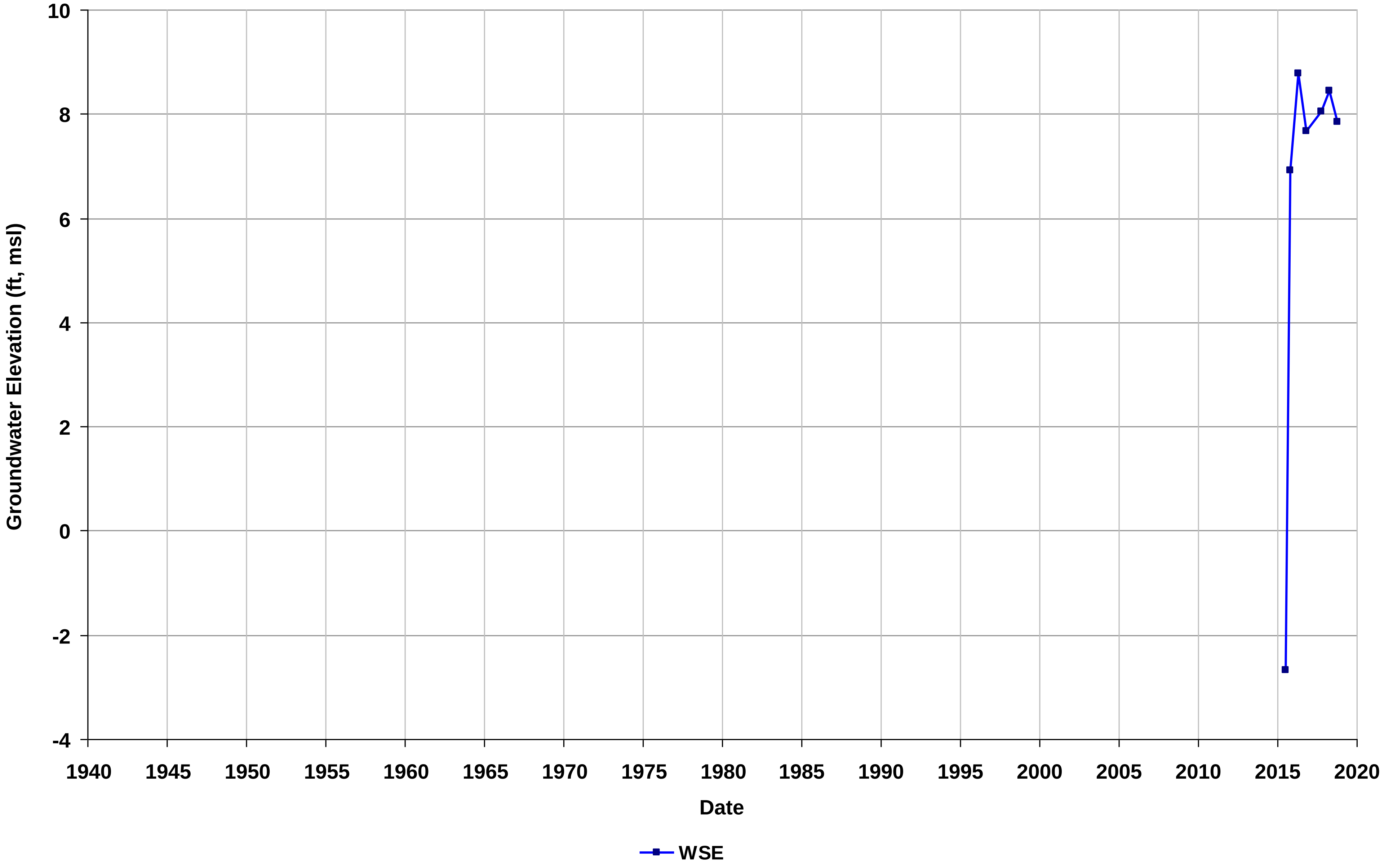
Well Name: SL20268886-PZ-NQ-04
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 34
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



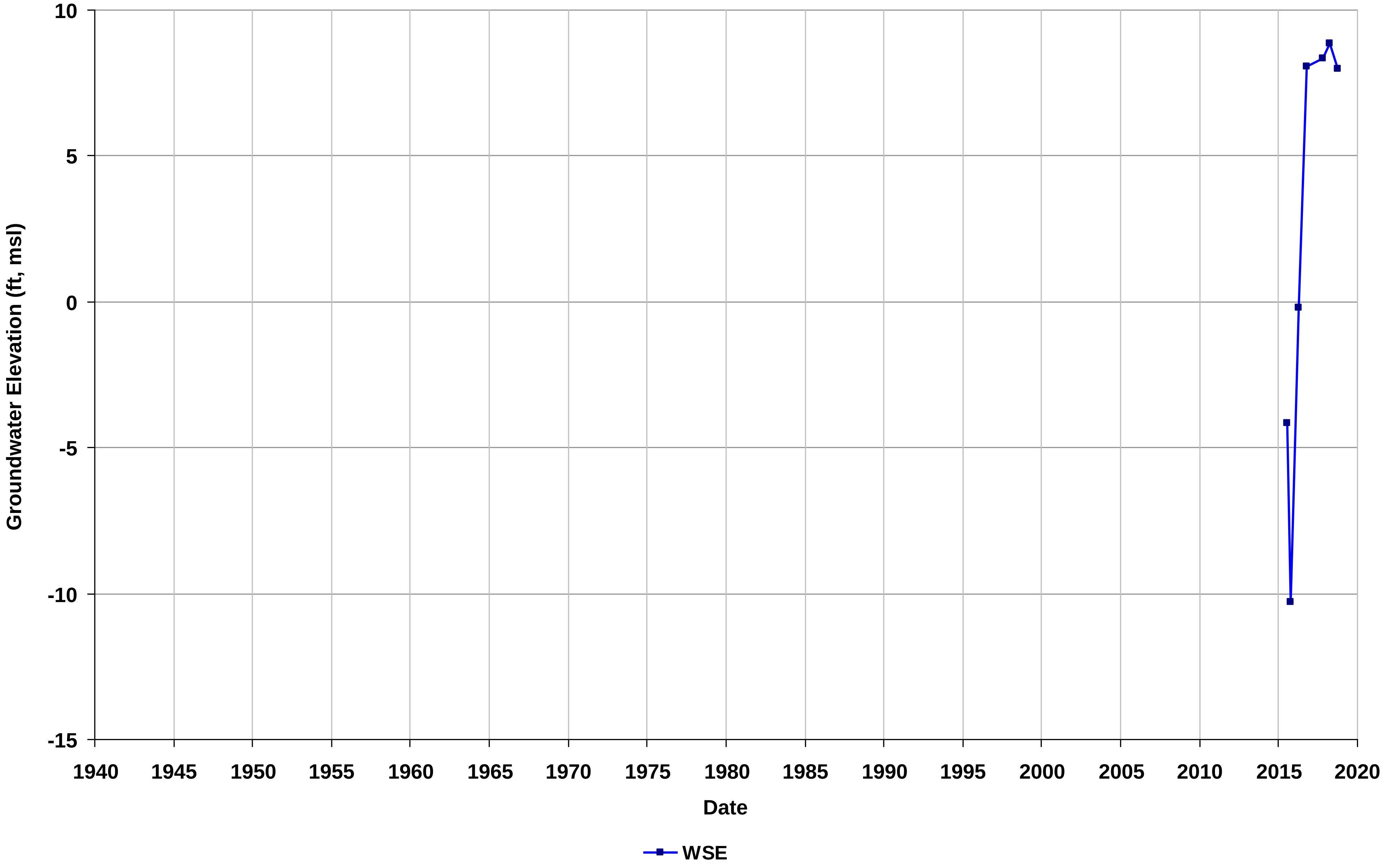
Well Name: SL20268886-PZ-NQ-05
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 41
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



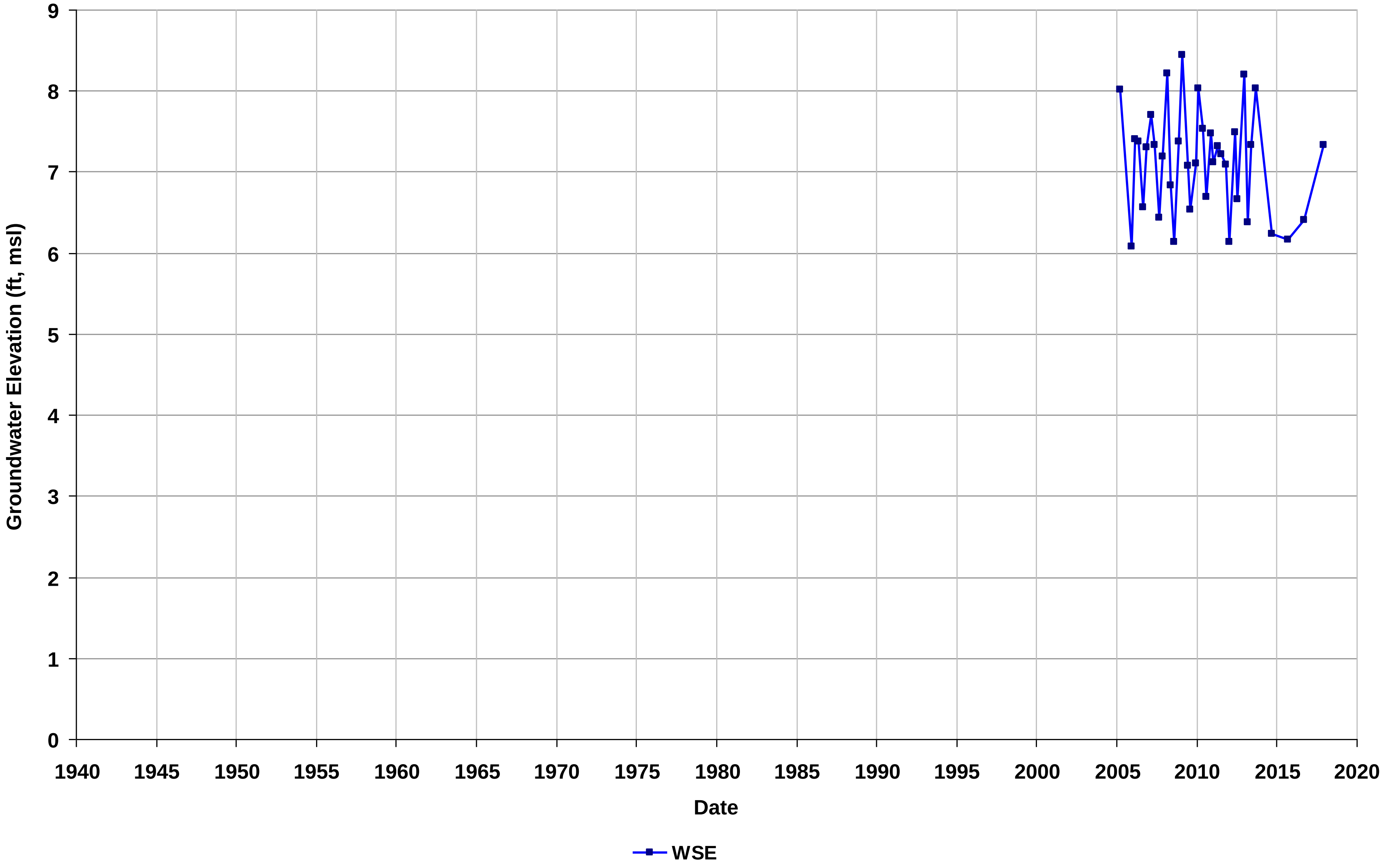
Well Name: SL20268886-PZ-NQ-06
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 38
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



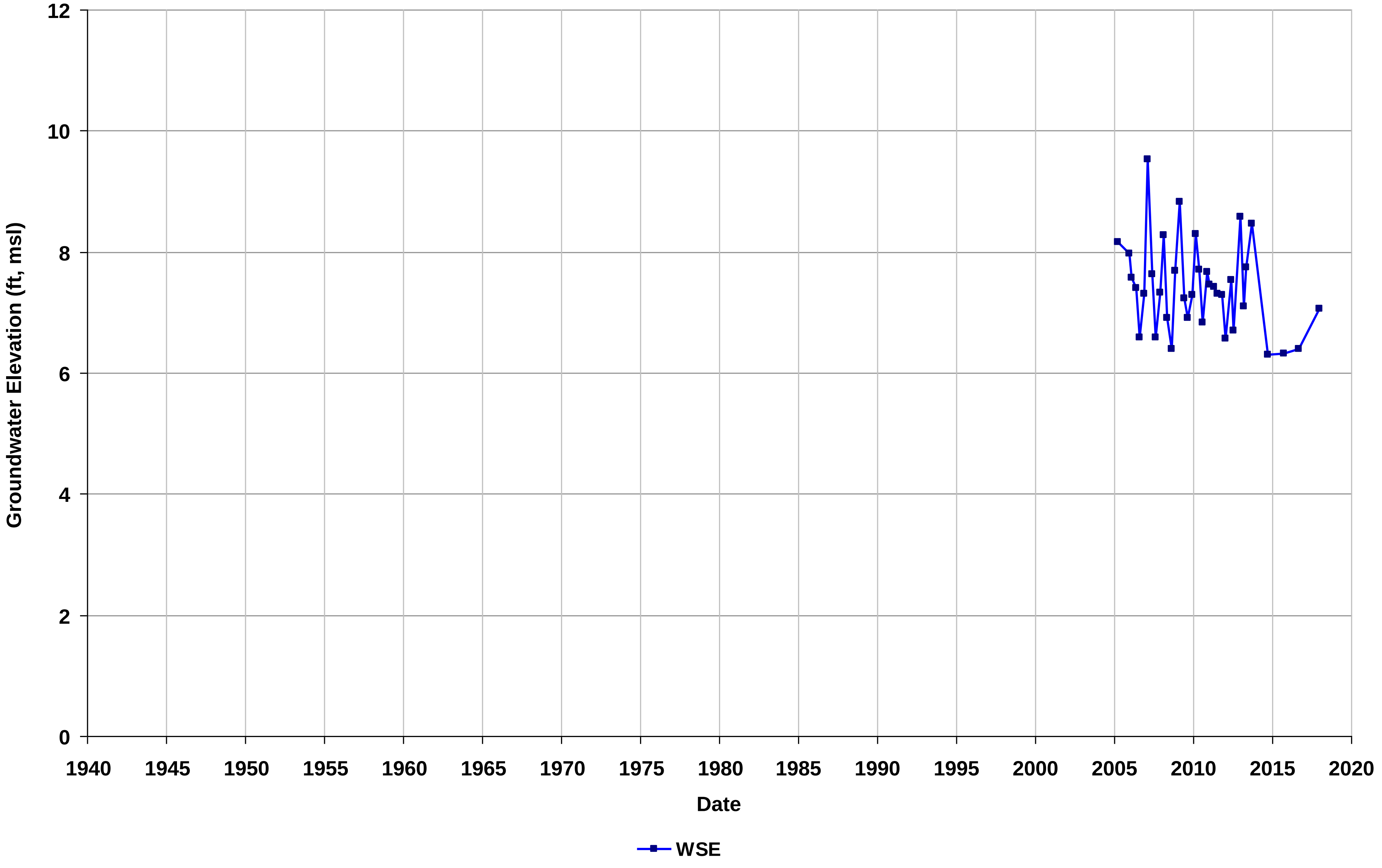
Well Name: SL372291176-B-2
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 11.24-21
T/R/S: 01N/05W/24
Well Use: Observation



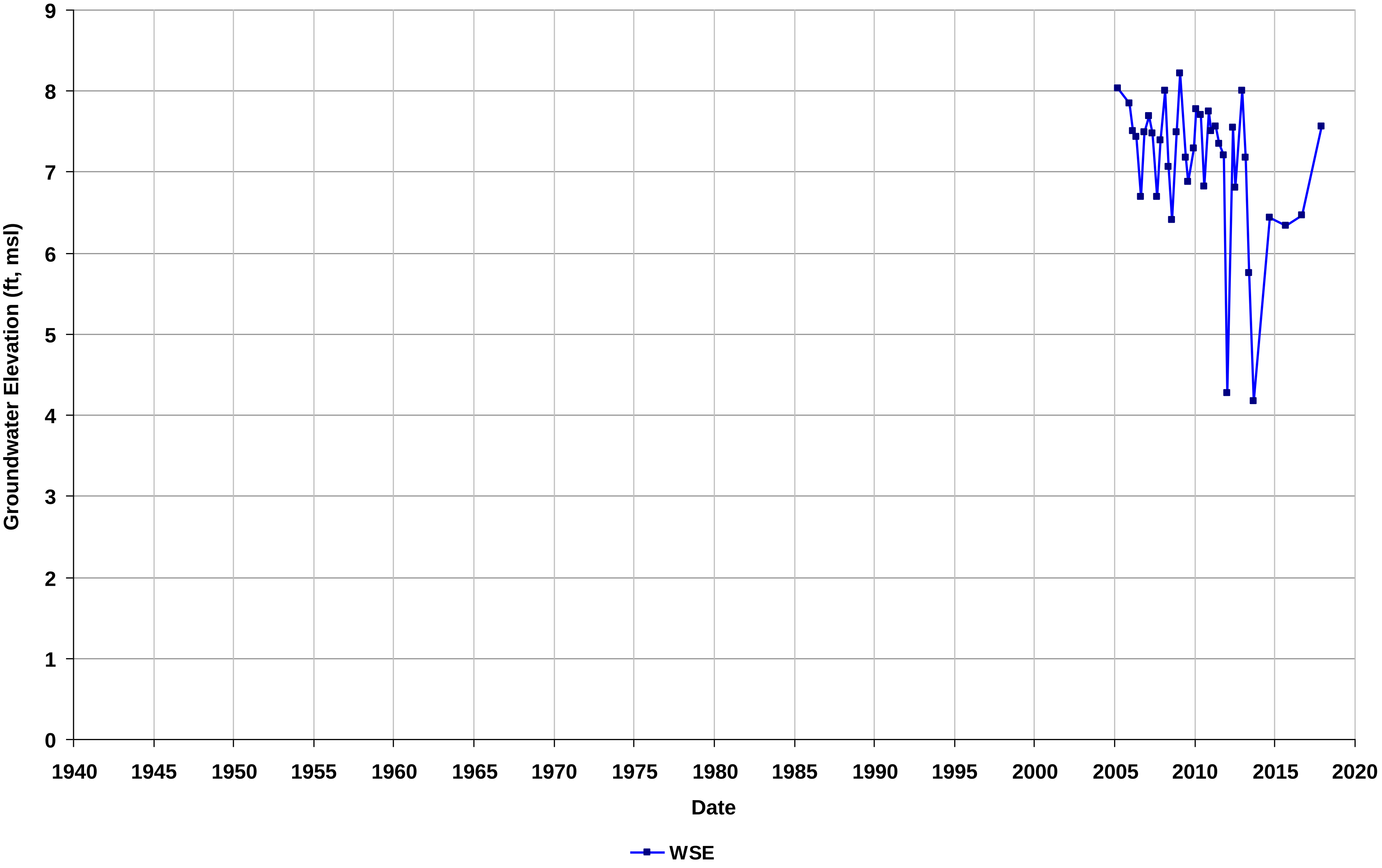
Well Name: SL372291176-B-3
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 10.64-21
T/R/S: 01N/05W/24
Well Use: Observation



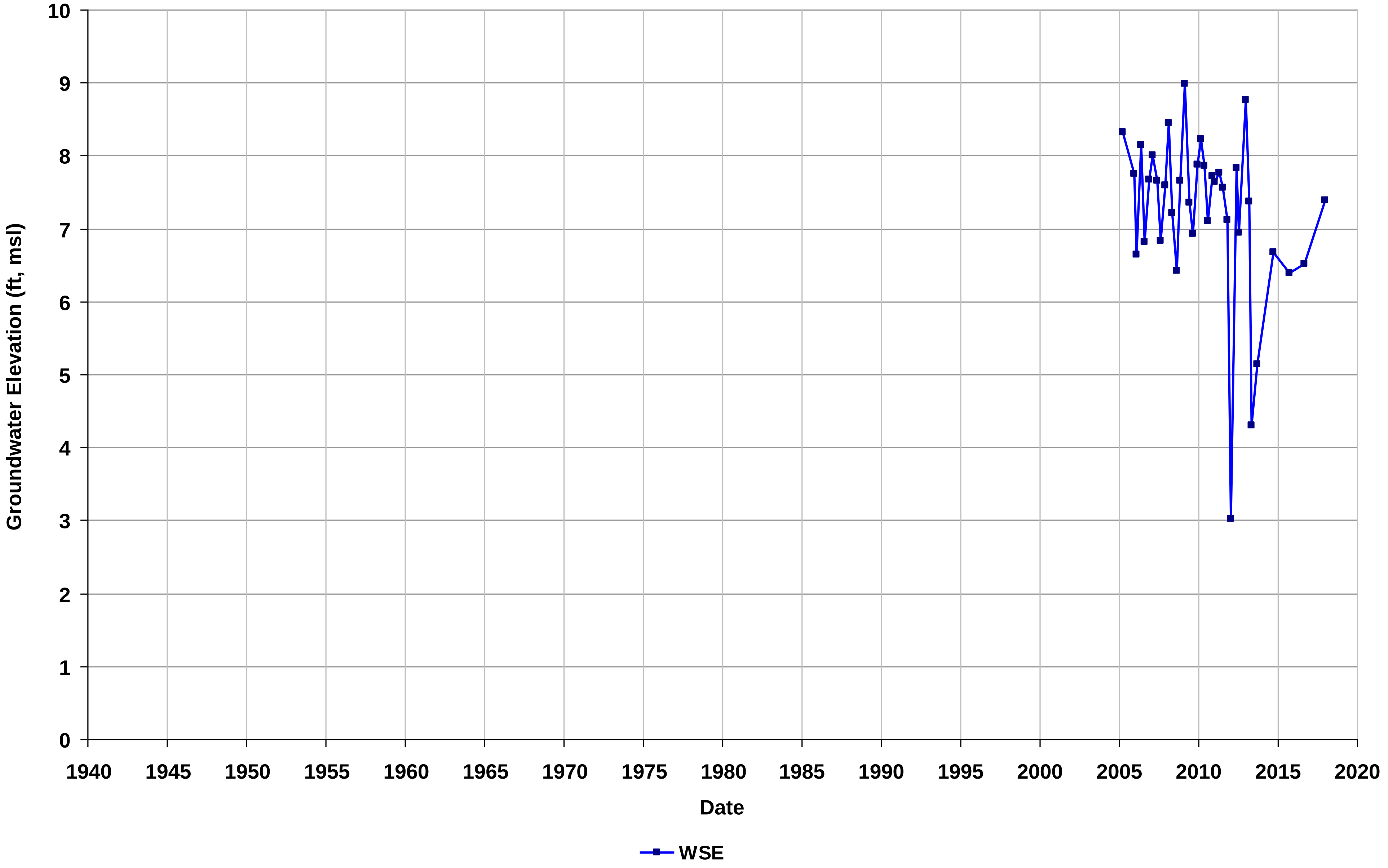
Well Name: SL372291176-CS-01
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 8.54-13
T/R/S: 01N/05W/24
Well Use: Observation



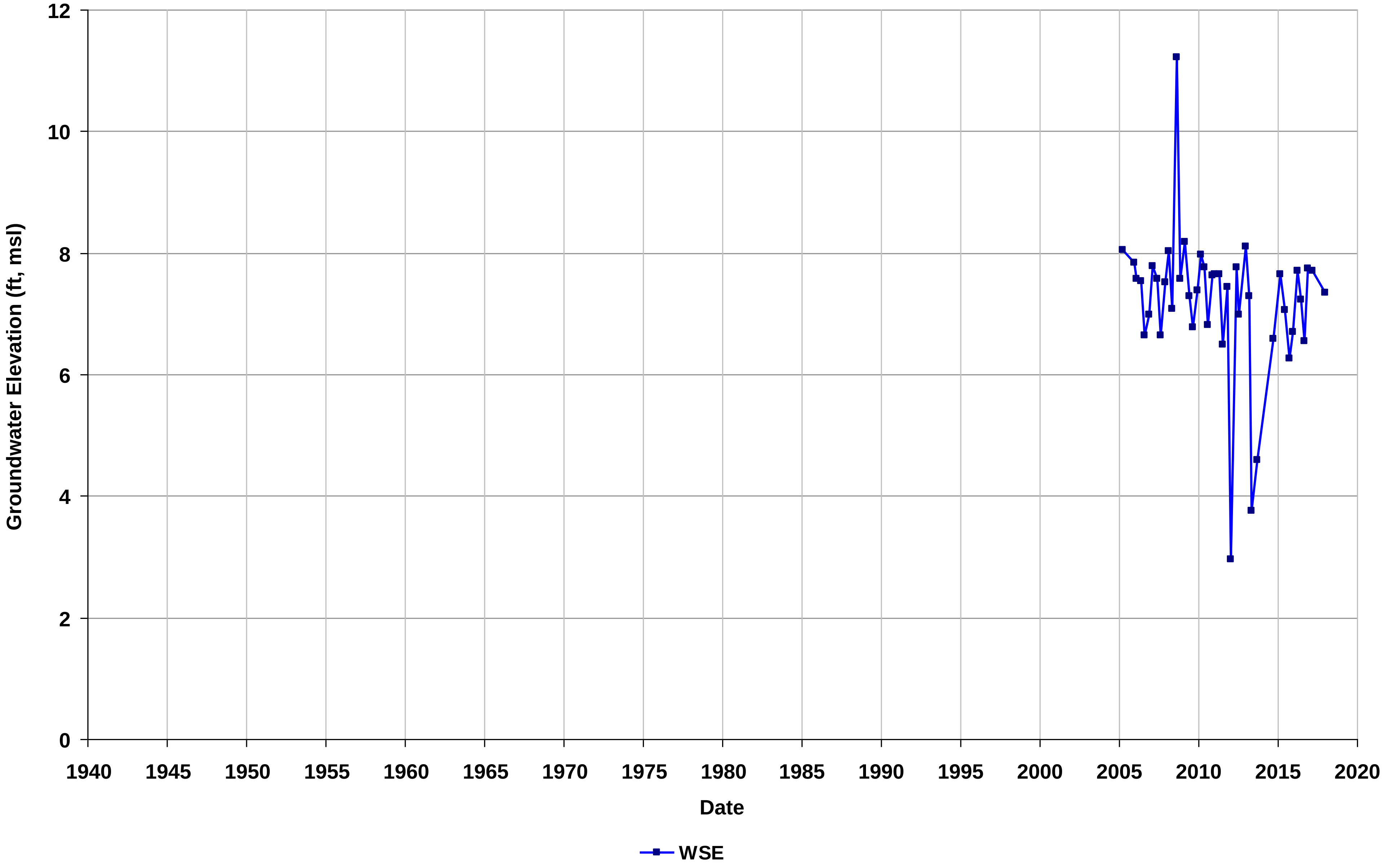
Well Name: SL372291176-CS-02
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 9.18-13
T/R/S: 01N/05W/24
Well Use: Observation



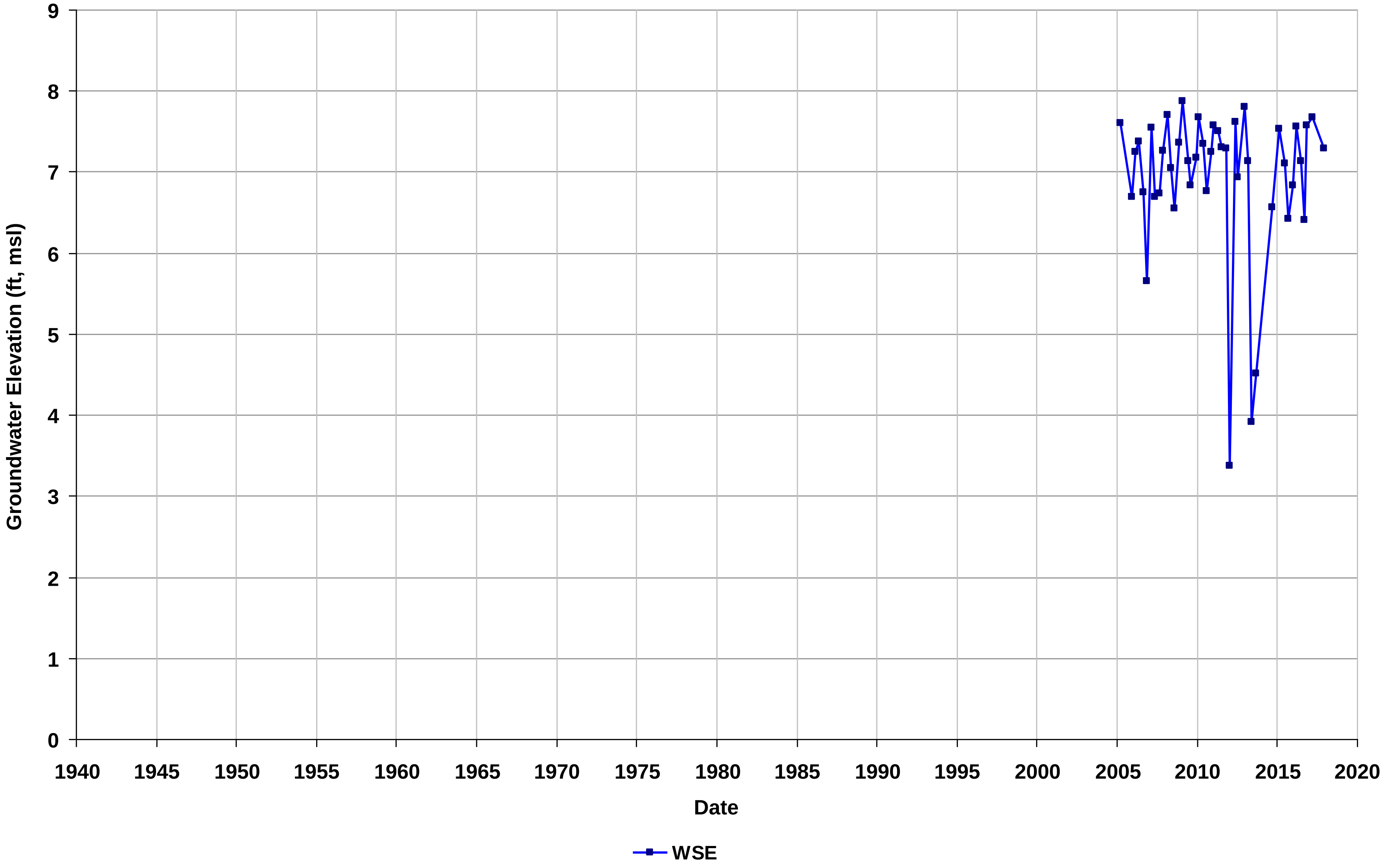
Well Name: SL372291176-CS-03
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 8.82-13
T/R/S: 01N/05W/24
Well Use: Observation



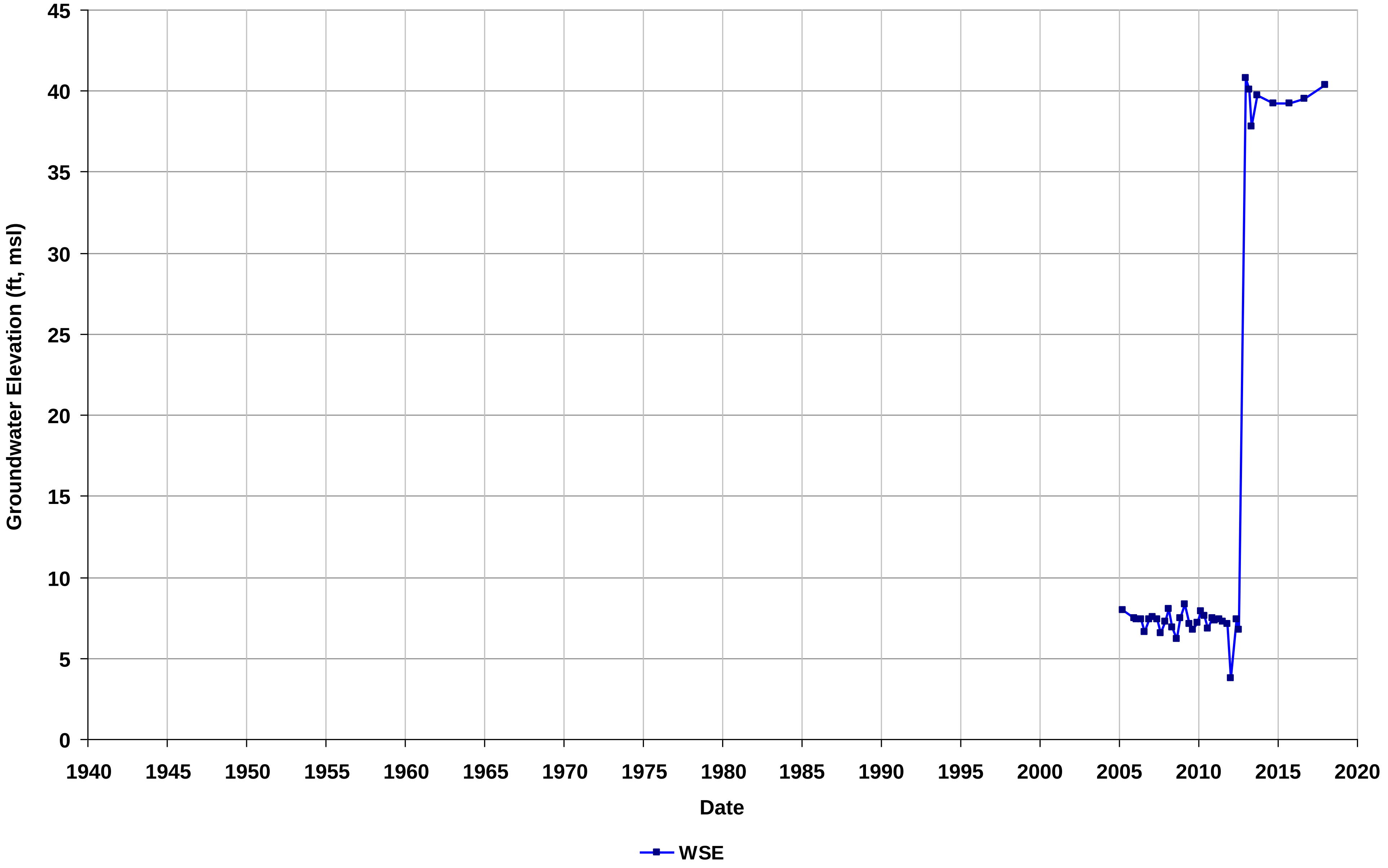
Well Name: SL372291176-CS-04
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 8.53-13
T/R/S: 01N/05W/24
Well Use: Observation



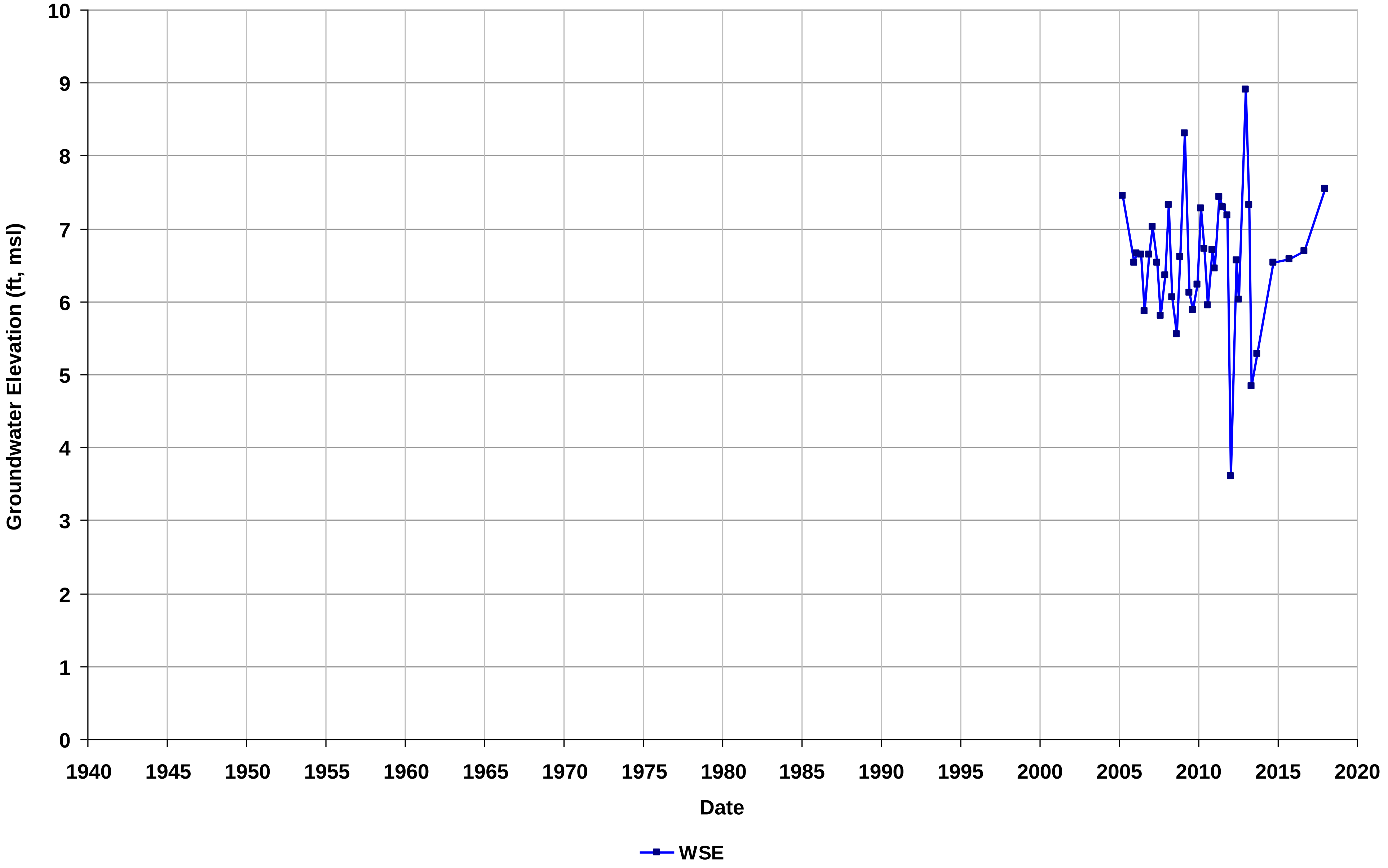
Well Name: SL372291176-CS-05
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 8.93-13
T/R/S: 01N/05W/24
Well Use: Observation



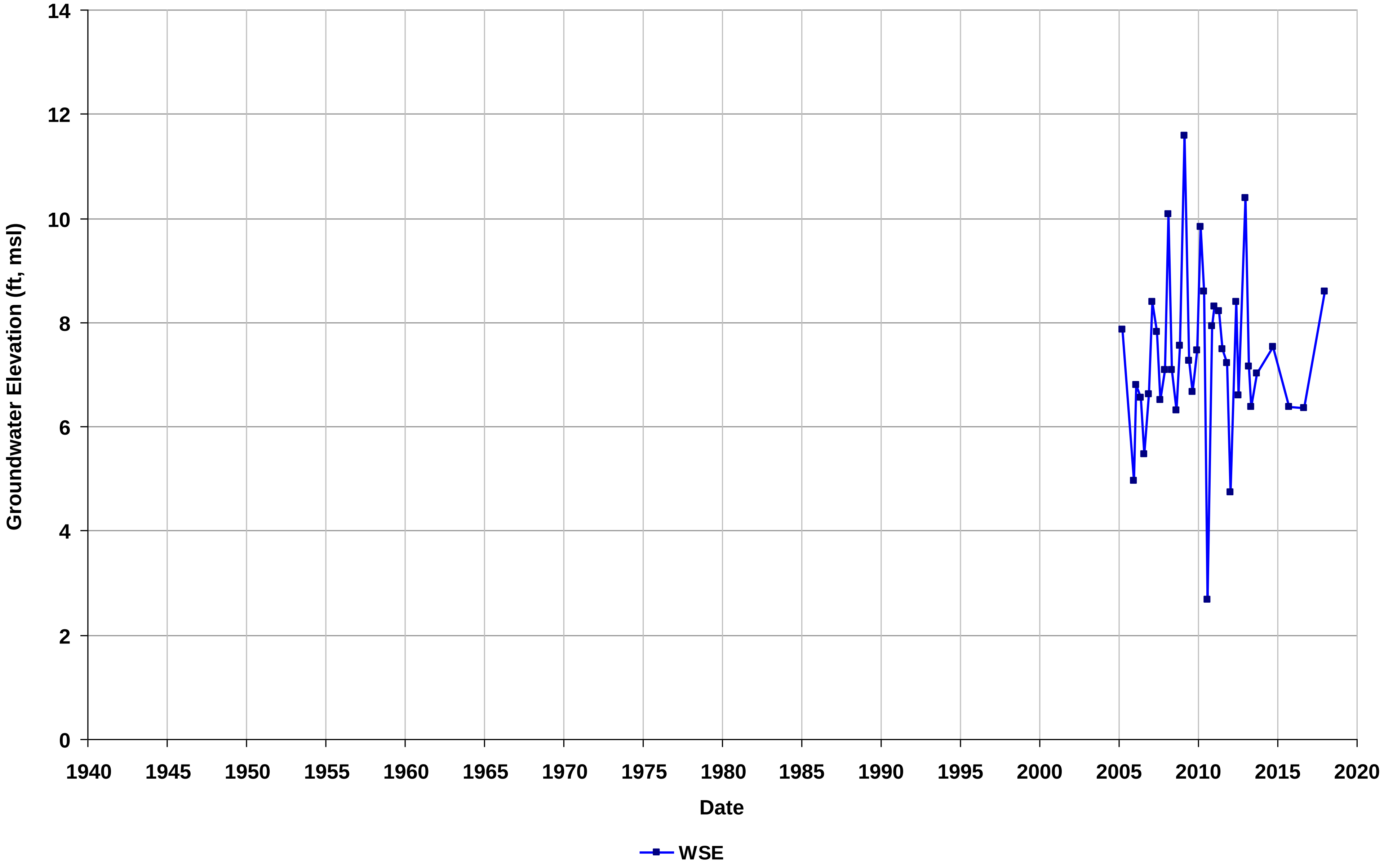
Well Name: SL372291176-CS-06
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 8.81-18
T/R/S: 01N/05W/24
Well Use: Observation



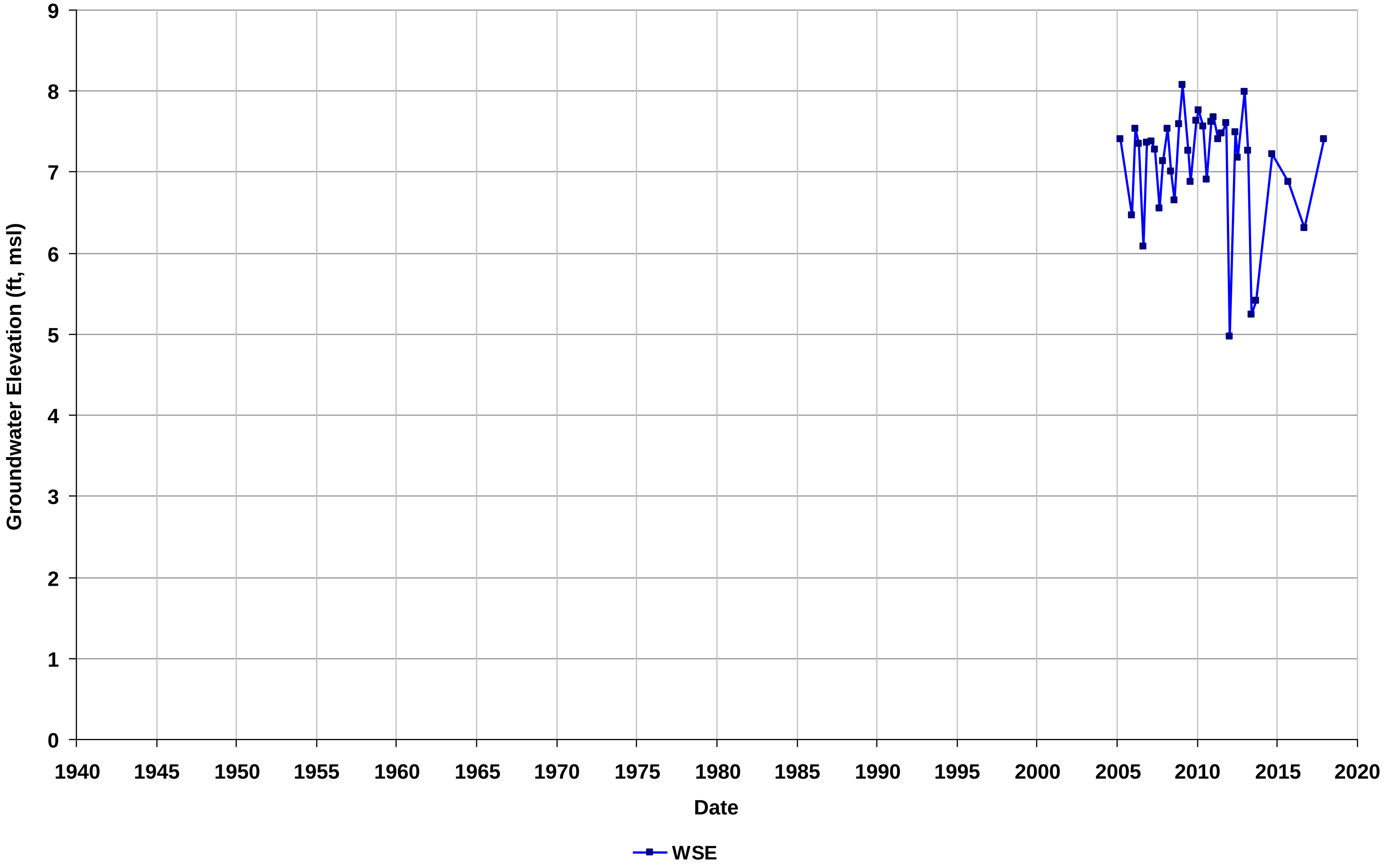
Well Name: SL372291176-CS-12
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 10.3-19
T/R/S: 01N/05W/24
Well Use: Observation



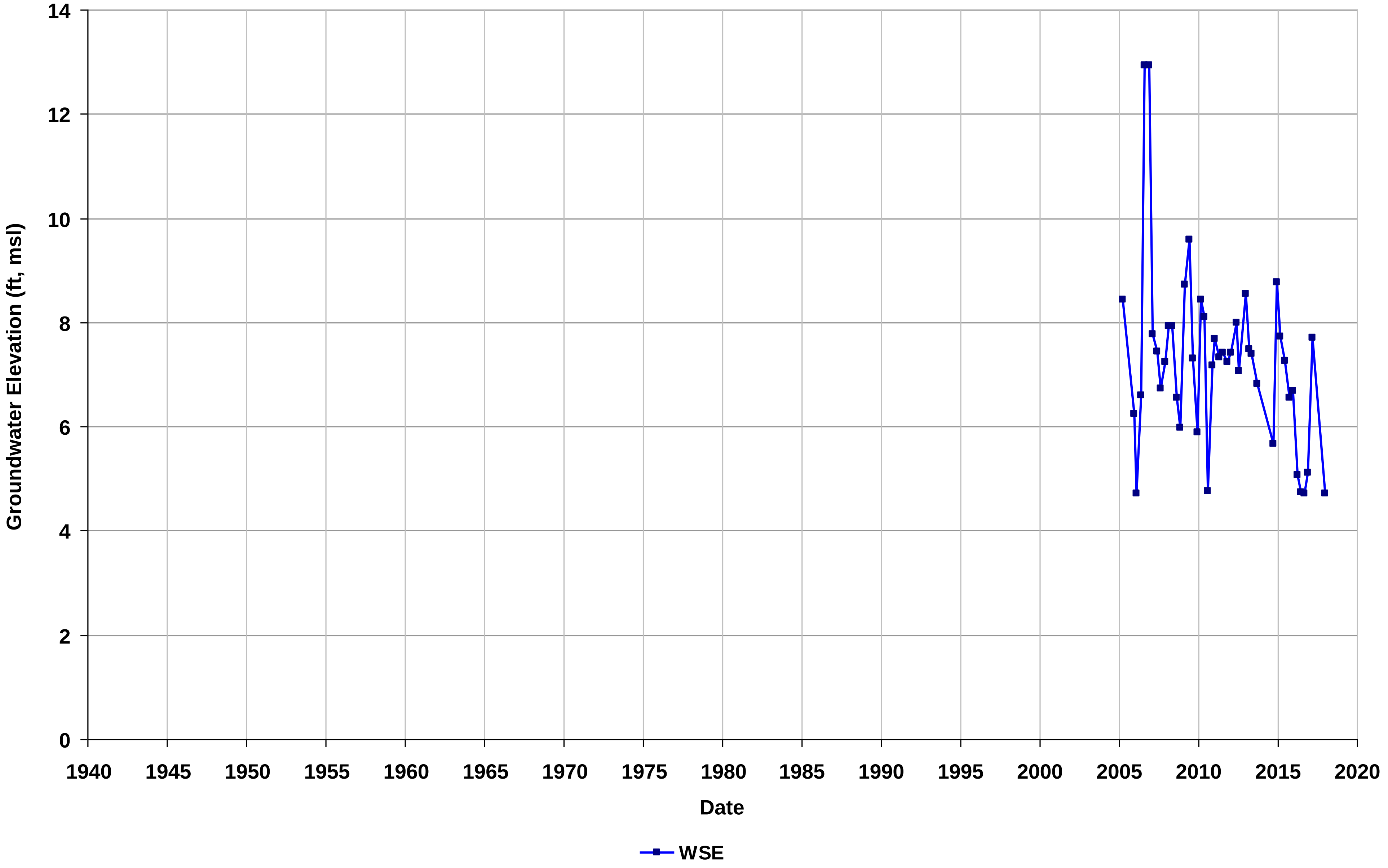
Well Name: SL372291176-CS-13
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 8.4-12
T/R/S: 01N/05W/24
Well Use: Observation



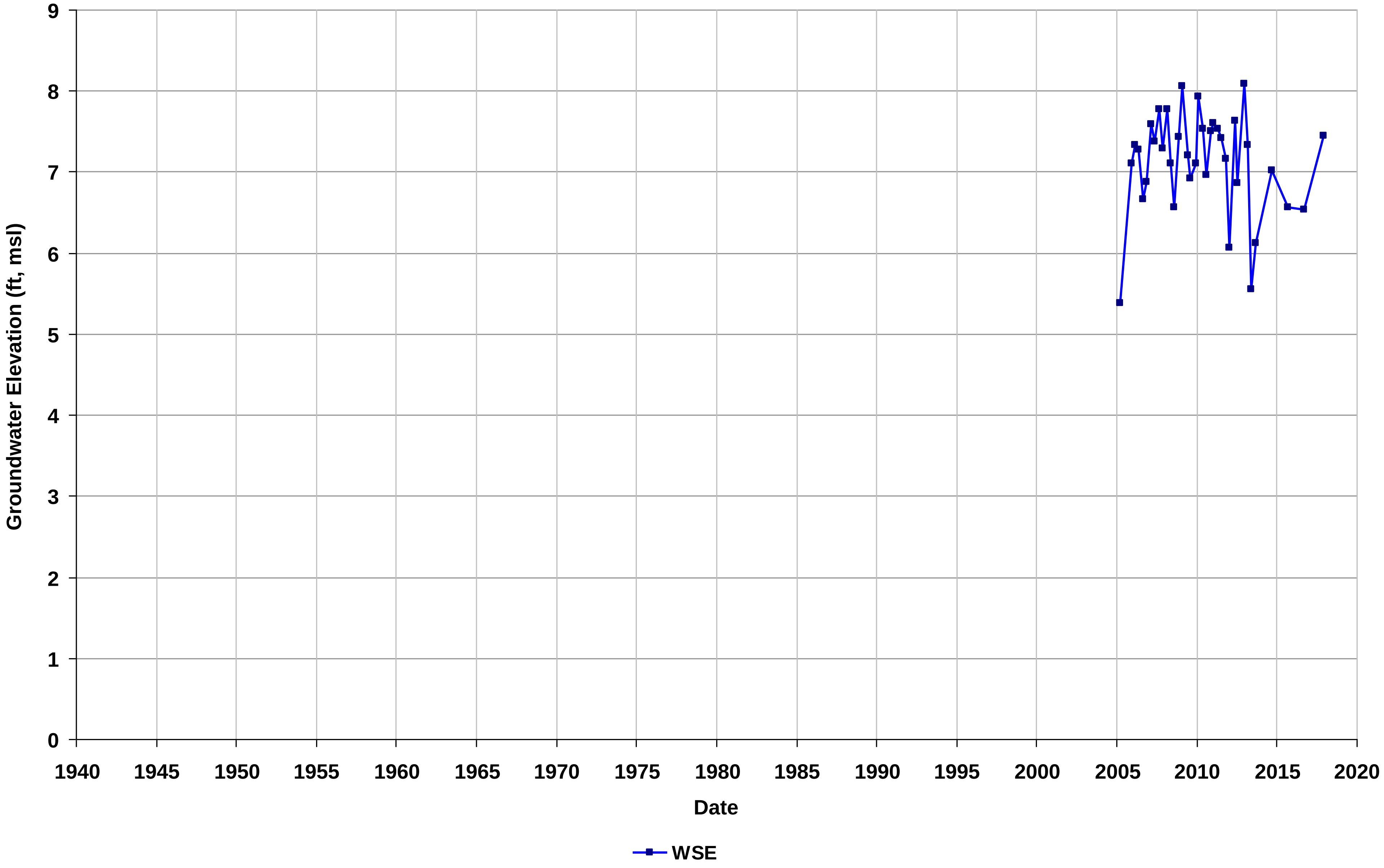
Well Name: SL372291176-CS-16
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 7.7-12
T/R/S: 01N/05W/24
Well Use: Observation



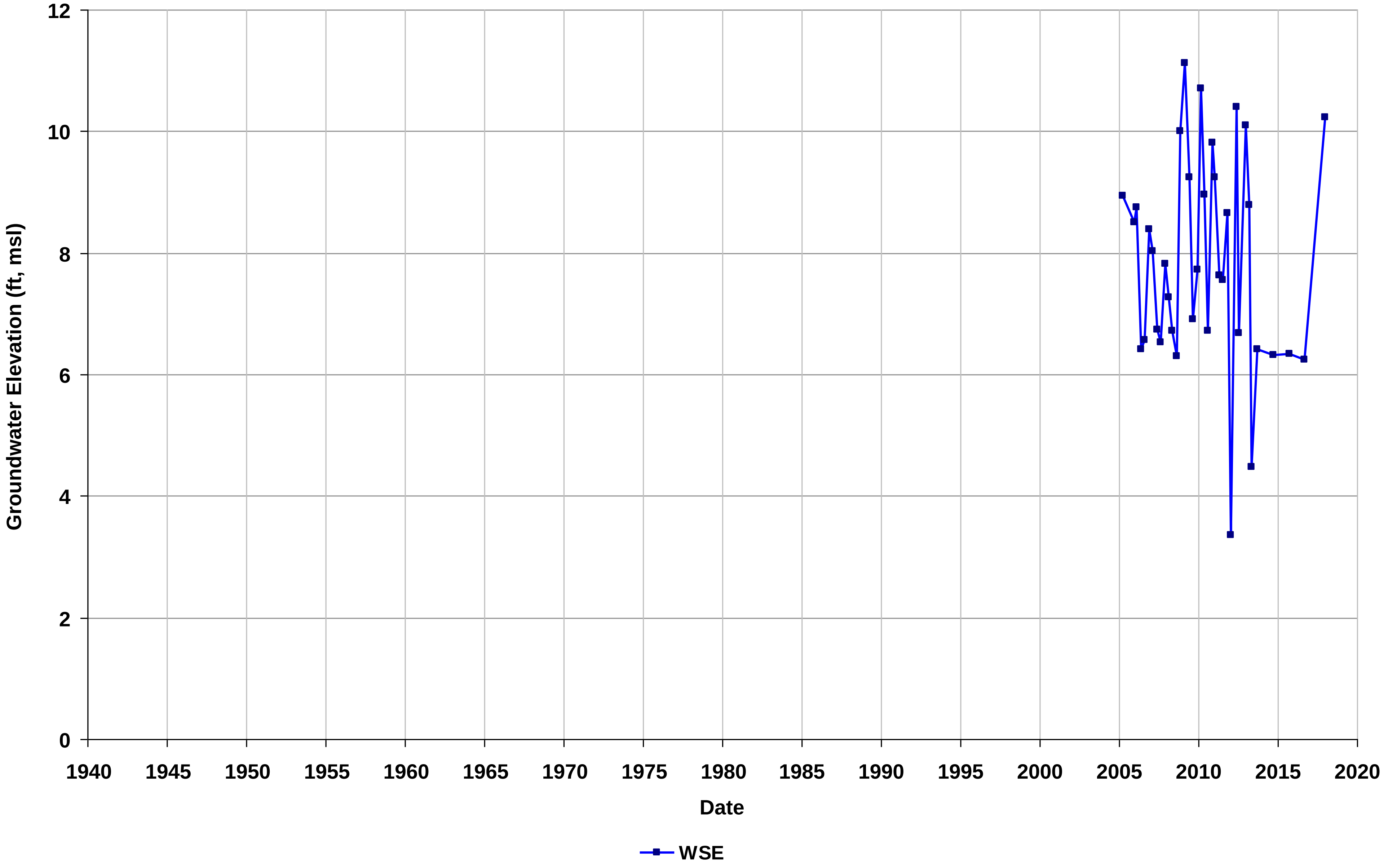
Well Name: SL372291176-CS-17
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 8.7-13
T/R/S: 01N/05W/24
Well Use: Observation



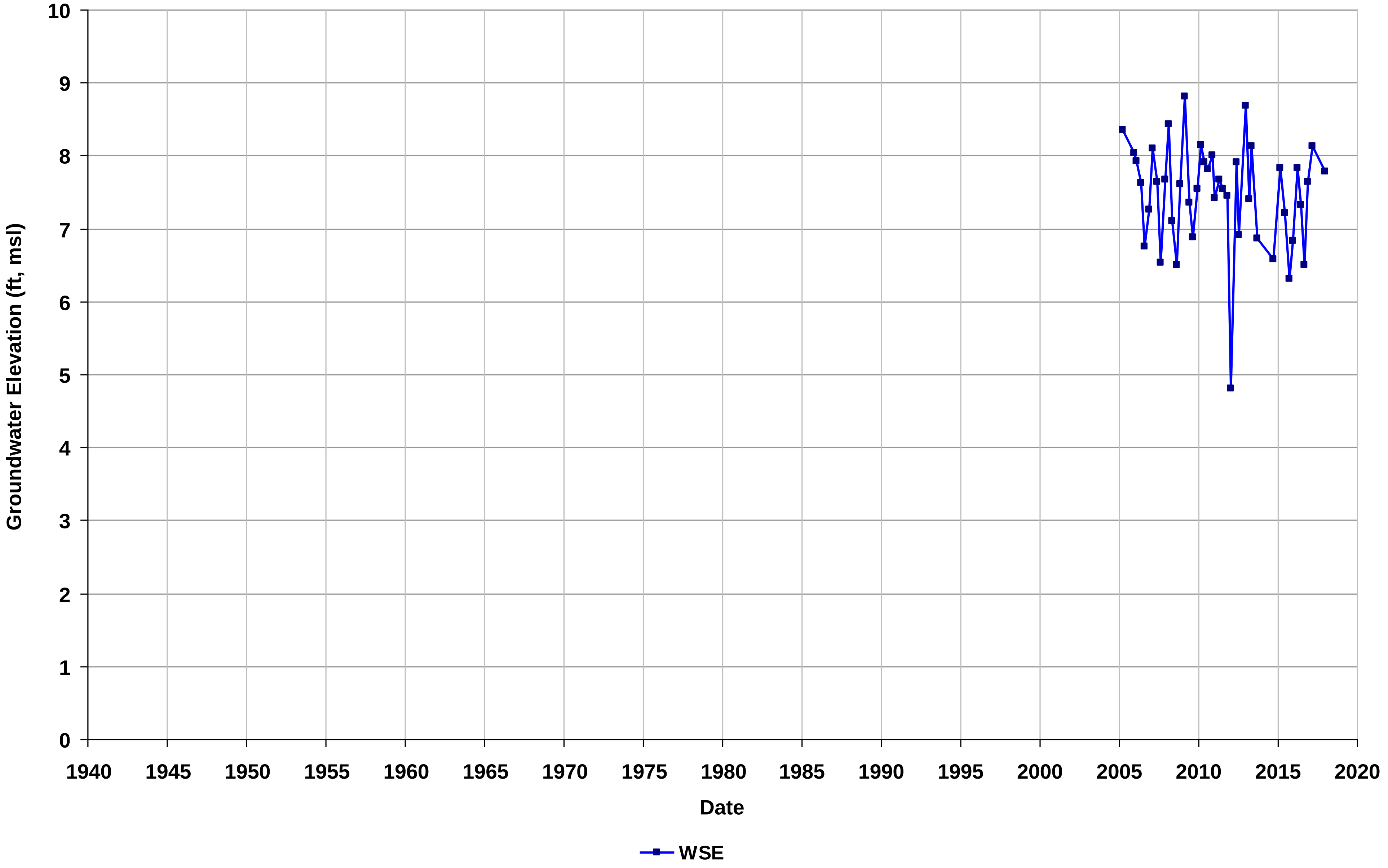
Well Name: SL372291176-CS-18
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 8.22-12
T/R/S: 01N/05W/24
Well Use: Observation



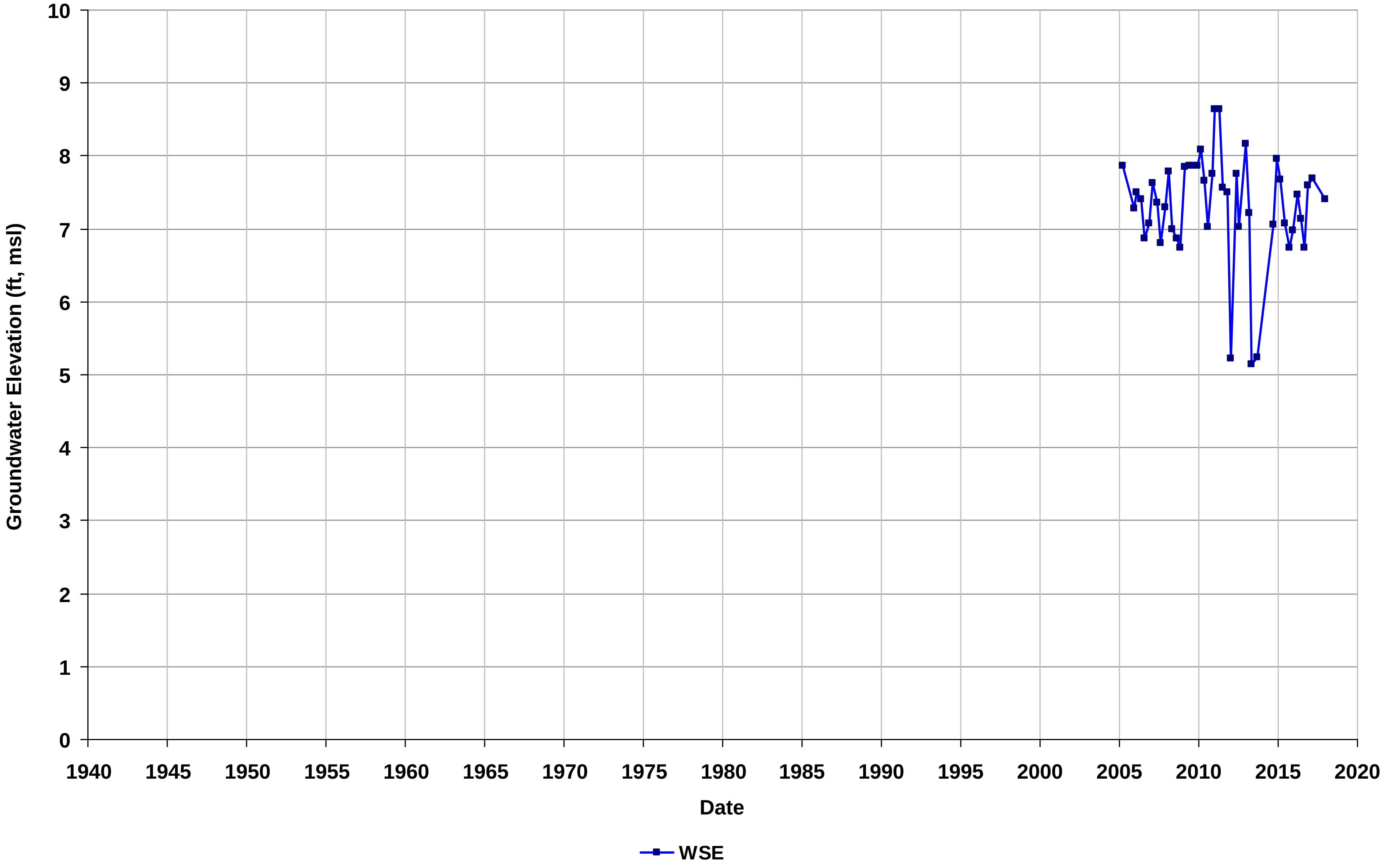
Well Name: SL372291176-CS-19
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 10.06-14
T/R/S: 01N/05W/24
Well Use: Observation



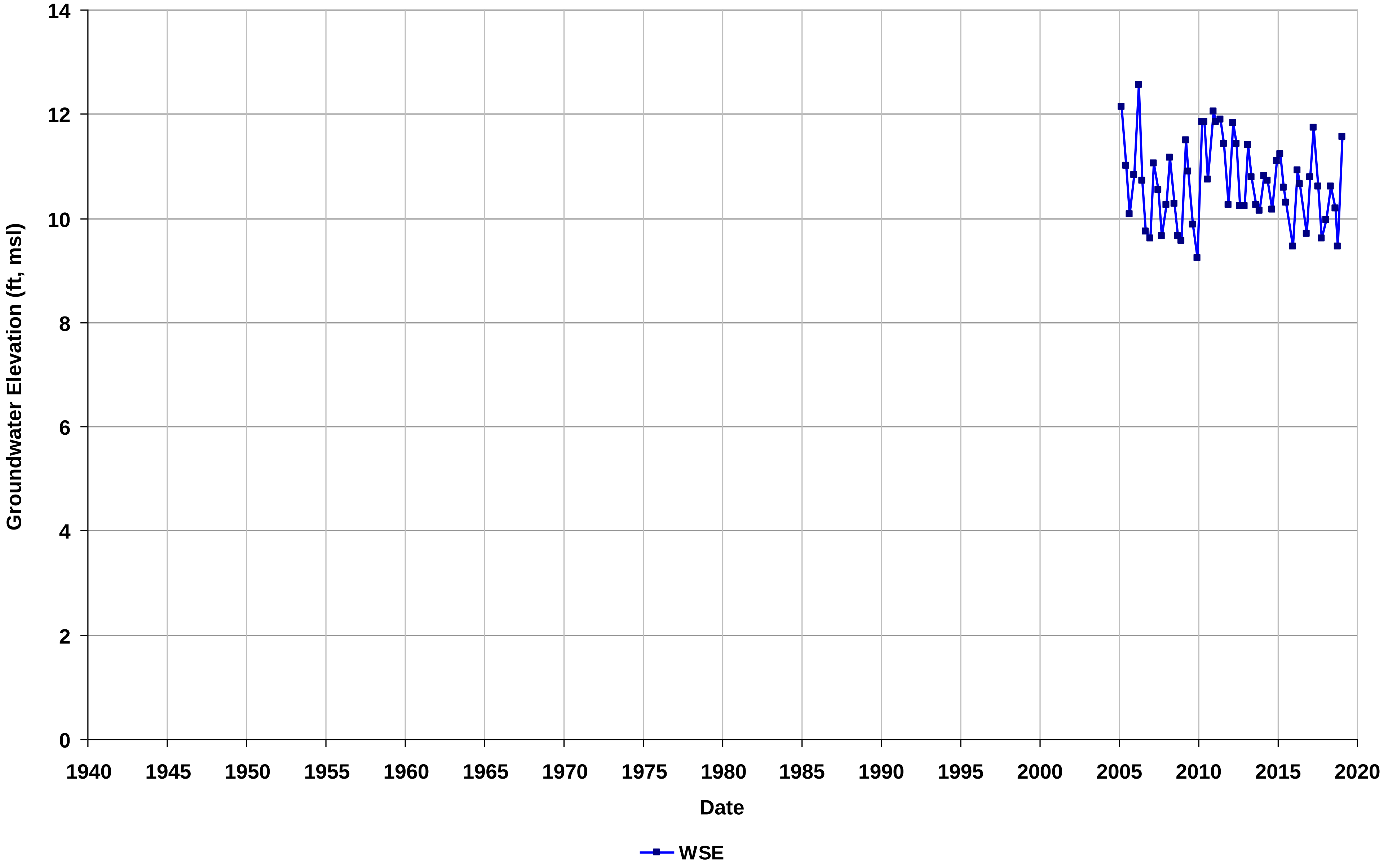
Well Name: SL372291176-CS-20
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 9.67-14
T/R/S: 01N/05W/24
Well Use: Observation



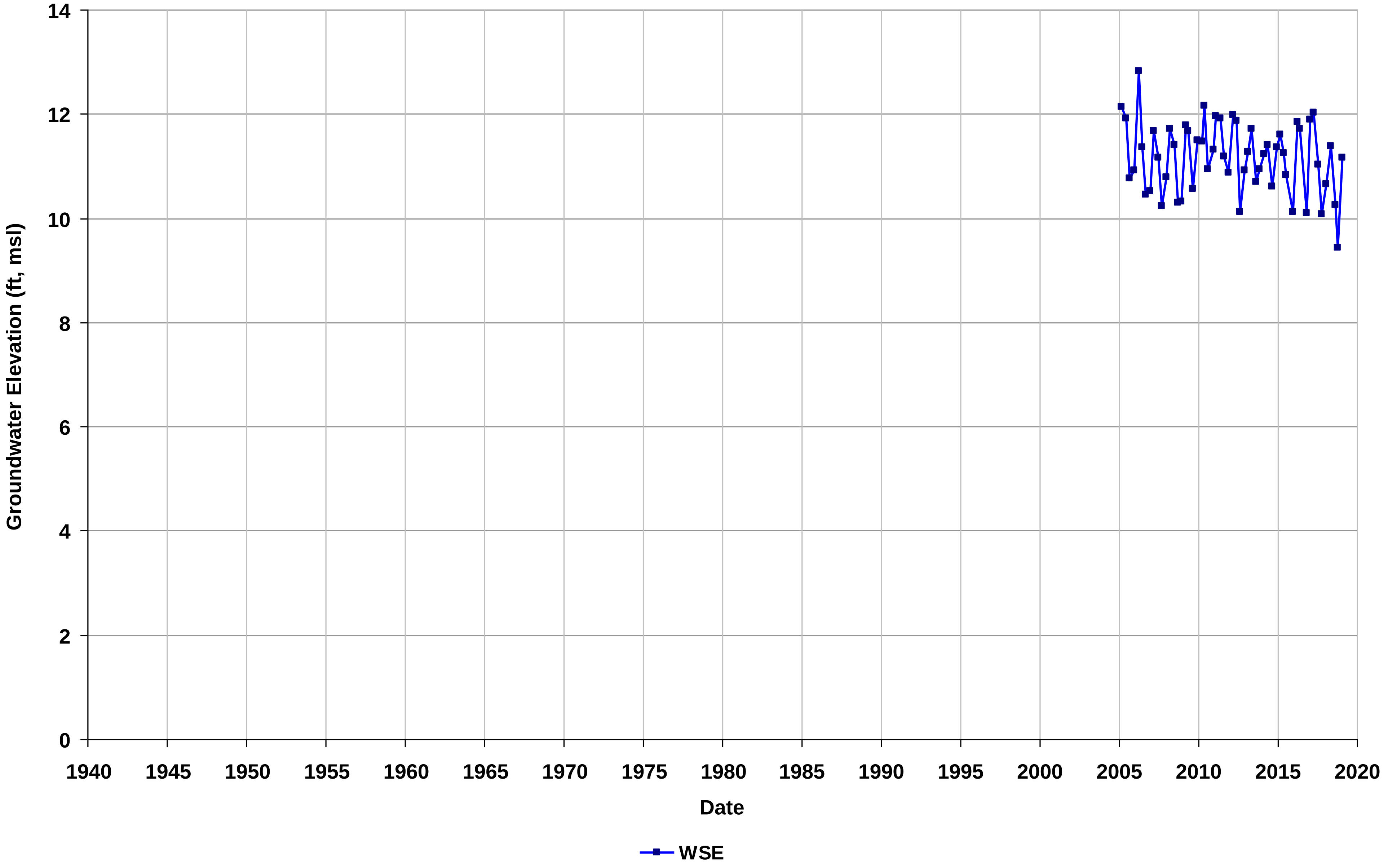
Well Name: SL374211188-MW-10
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 14
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



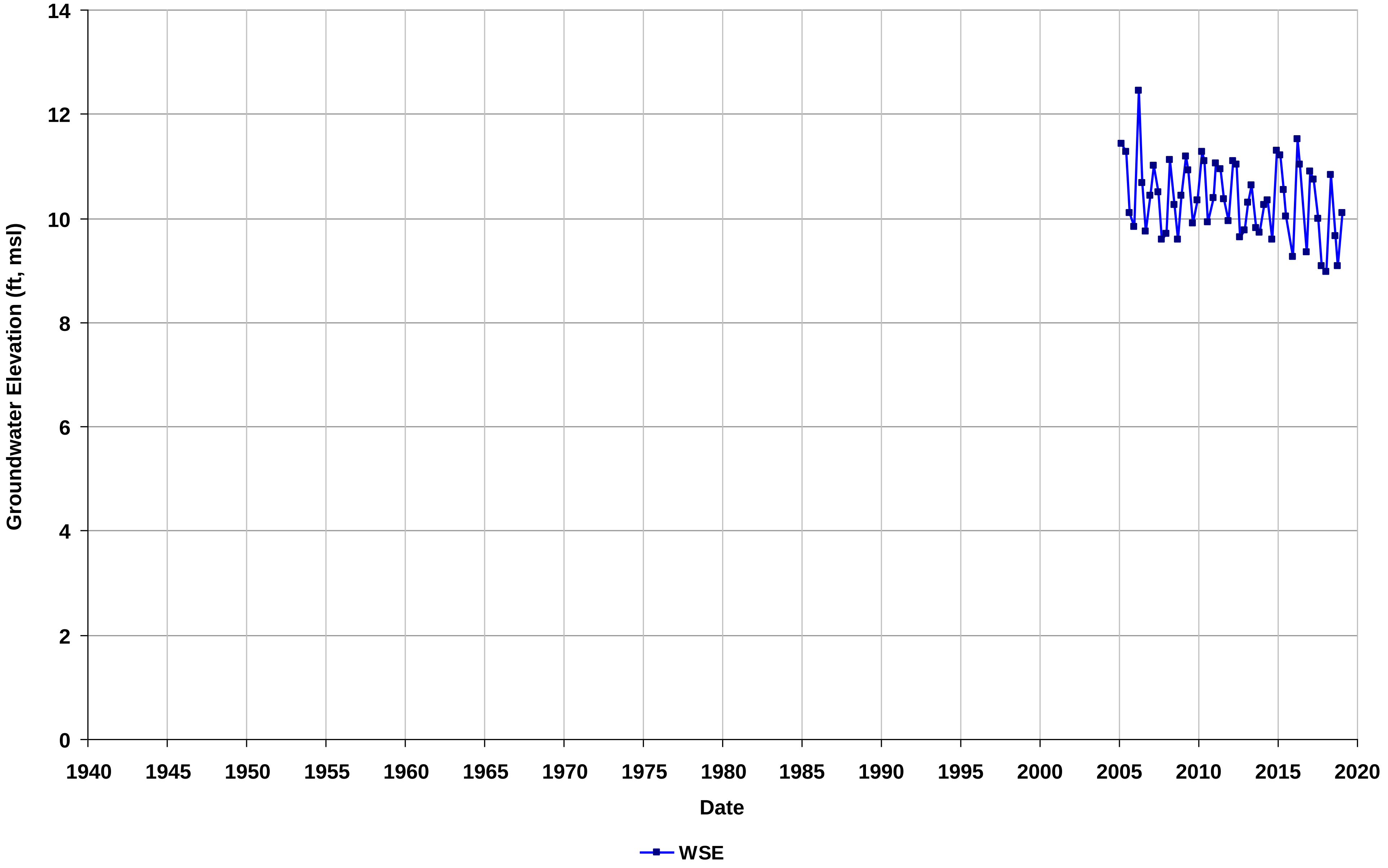
Well Name: SL374211188-MW-11
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 19
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



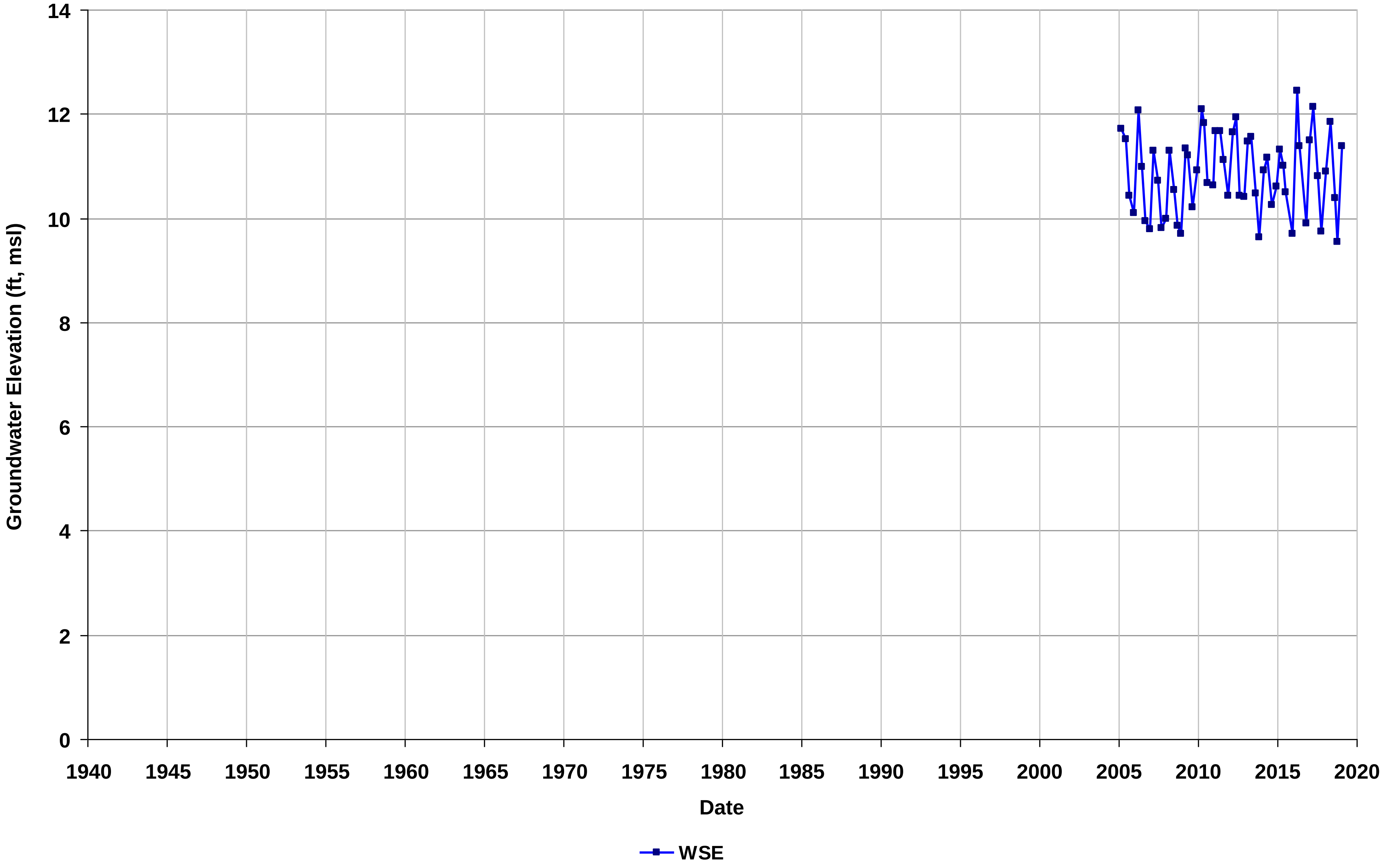
Well Name: SL374211188-MW-12
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 14
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



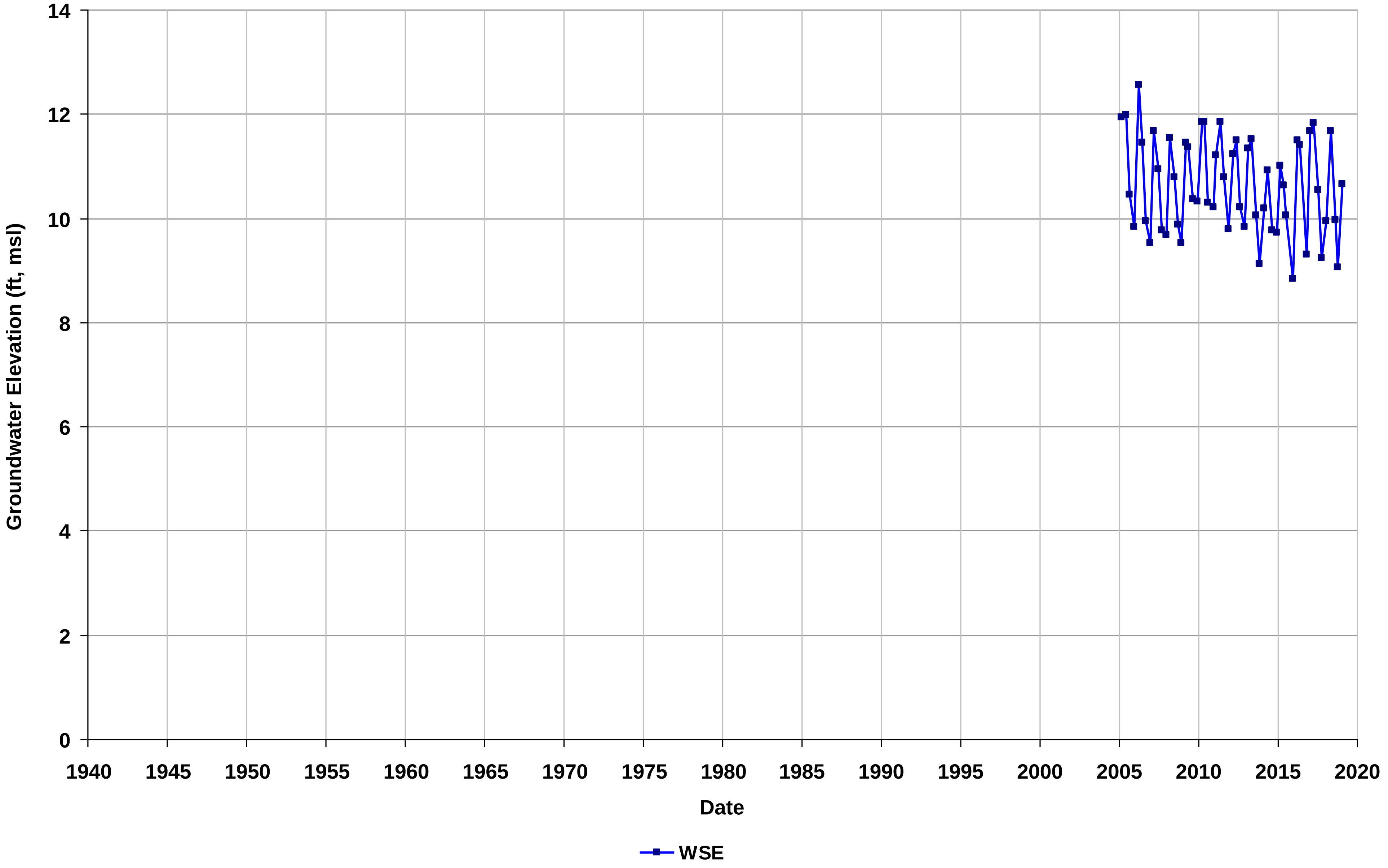
Well Name: SL374211188-MW-13
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 10
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



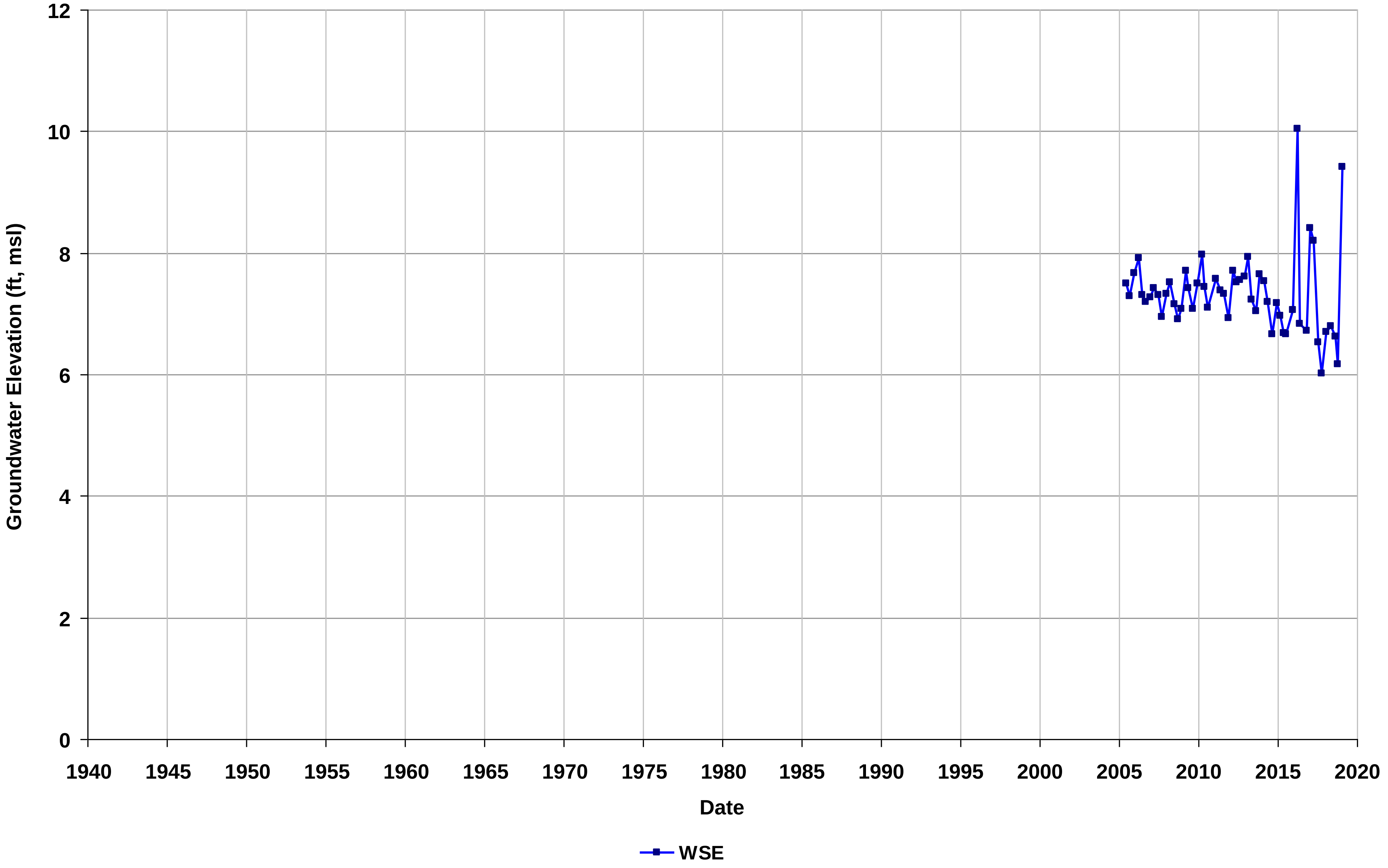
Well Name: SL374211188-MW-14
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 10
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



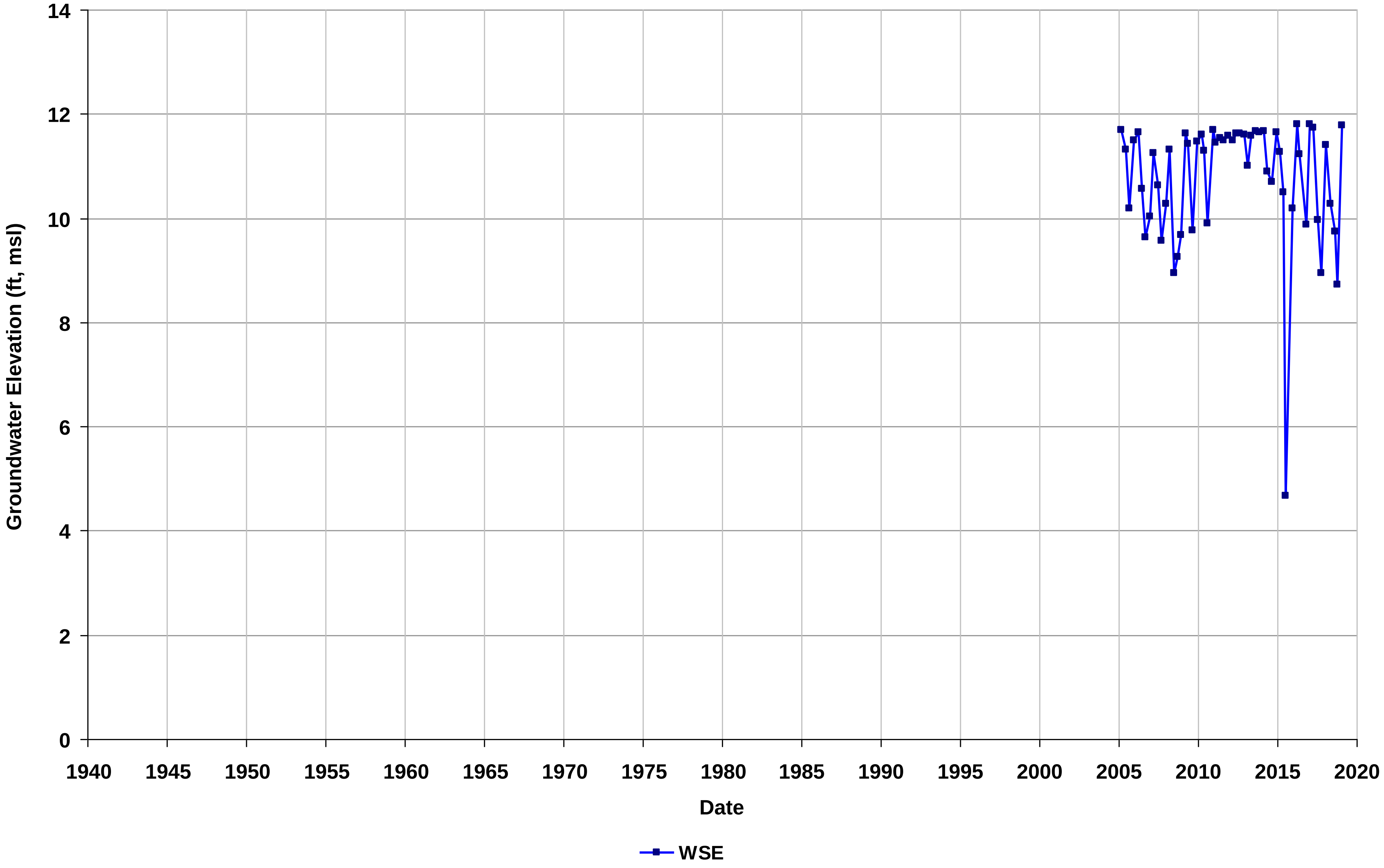
Well Name: SL374211188-MW-16
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 8
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



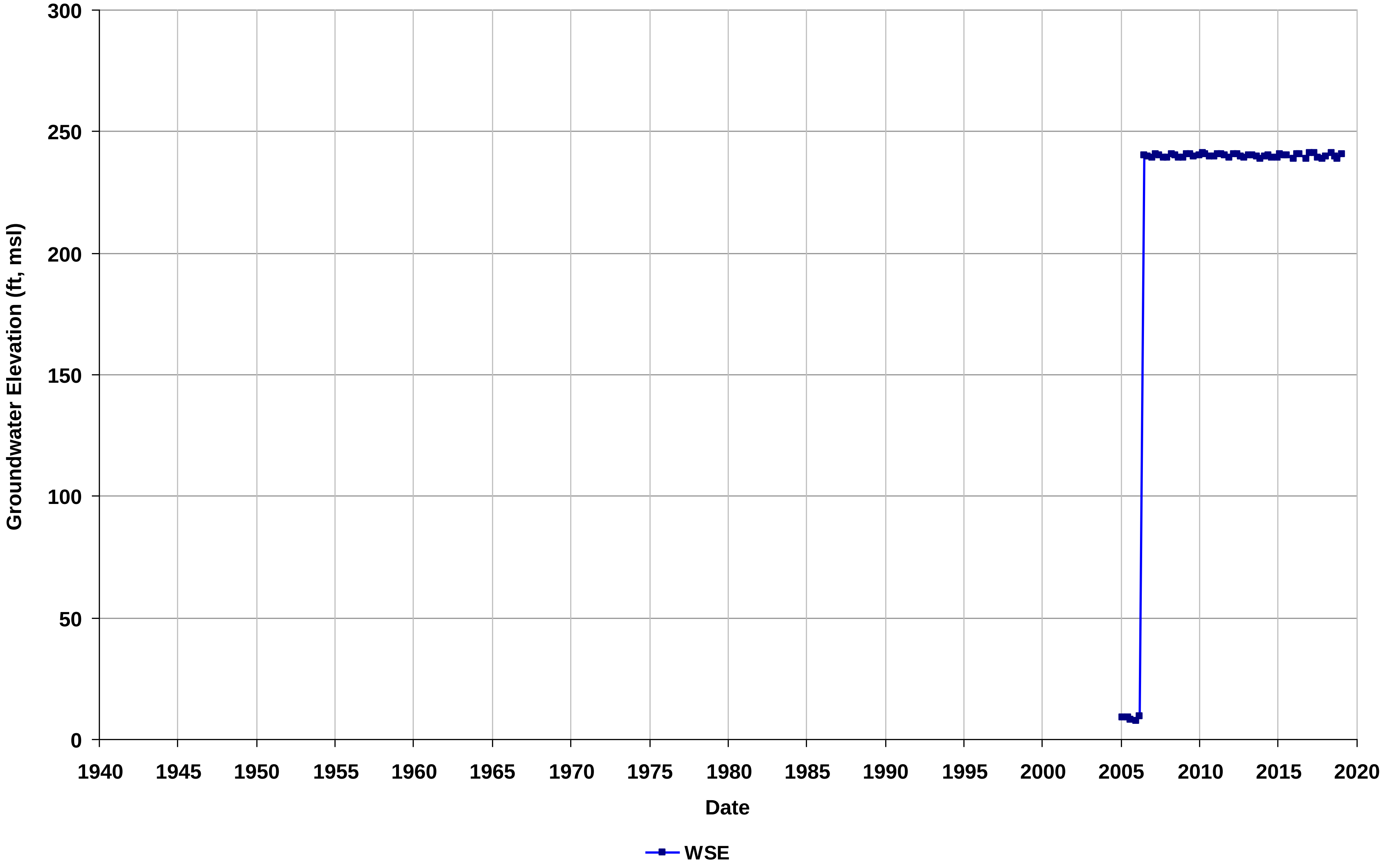
Well Name: SL374211188-MW-18
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 10
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



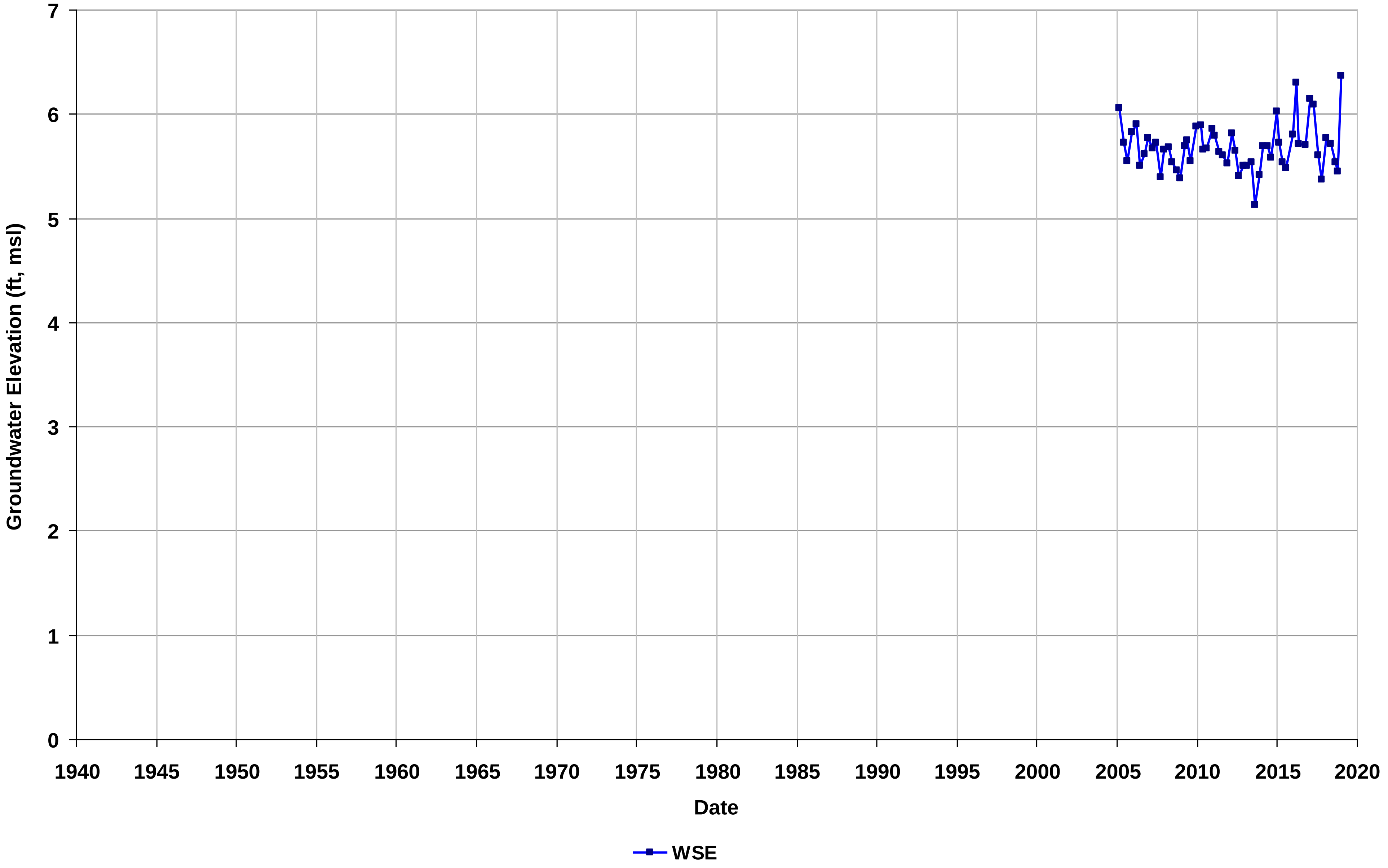
Well Name: SL374211188-MW-20
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 12
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



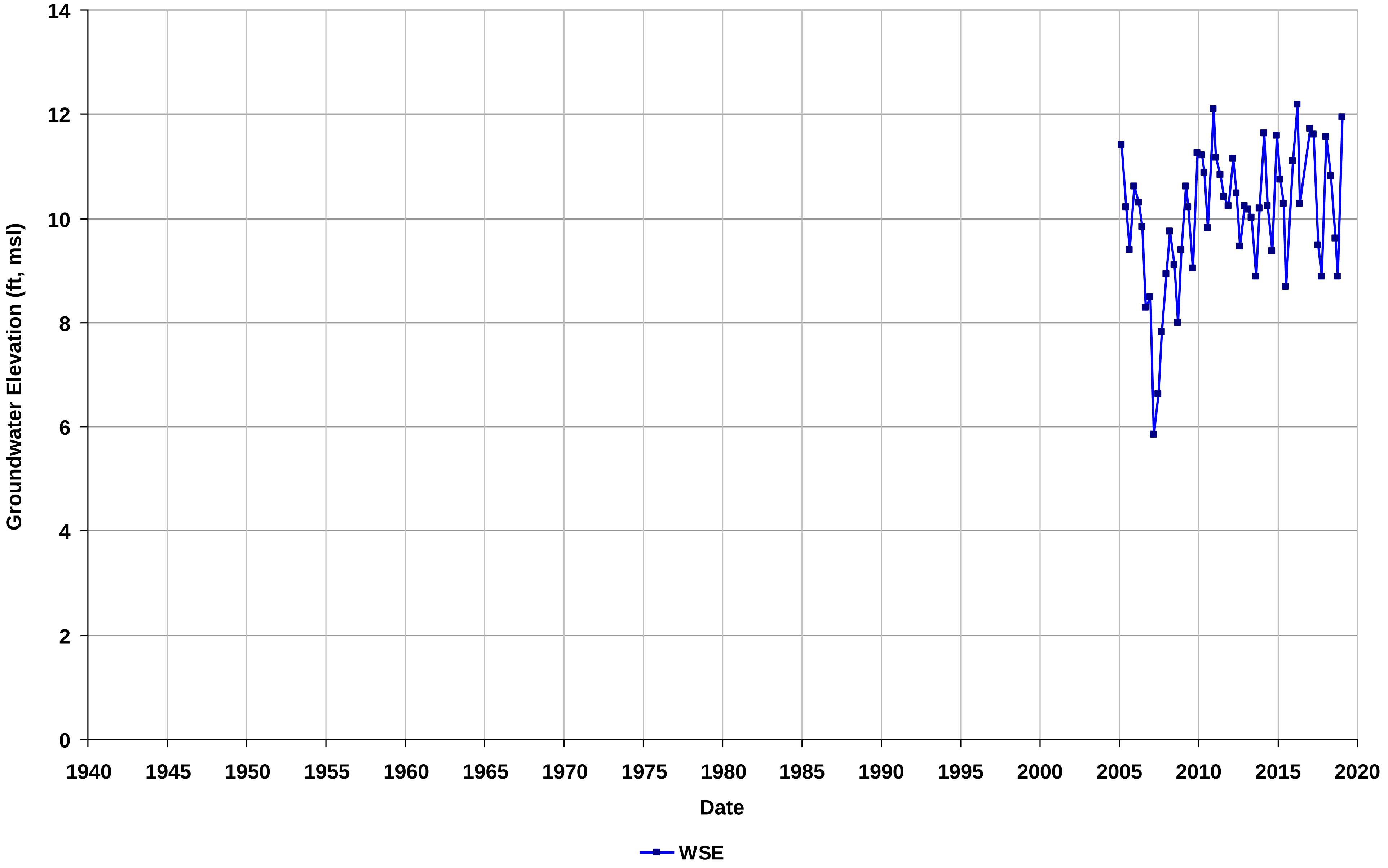
Well Name: SL374211188-MW-23
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 10
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



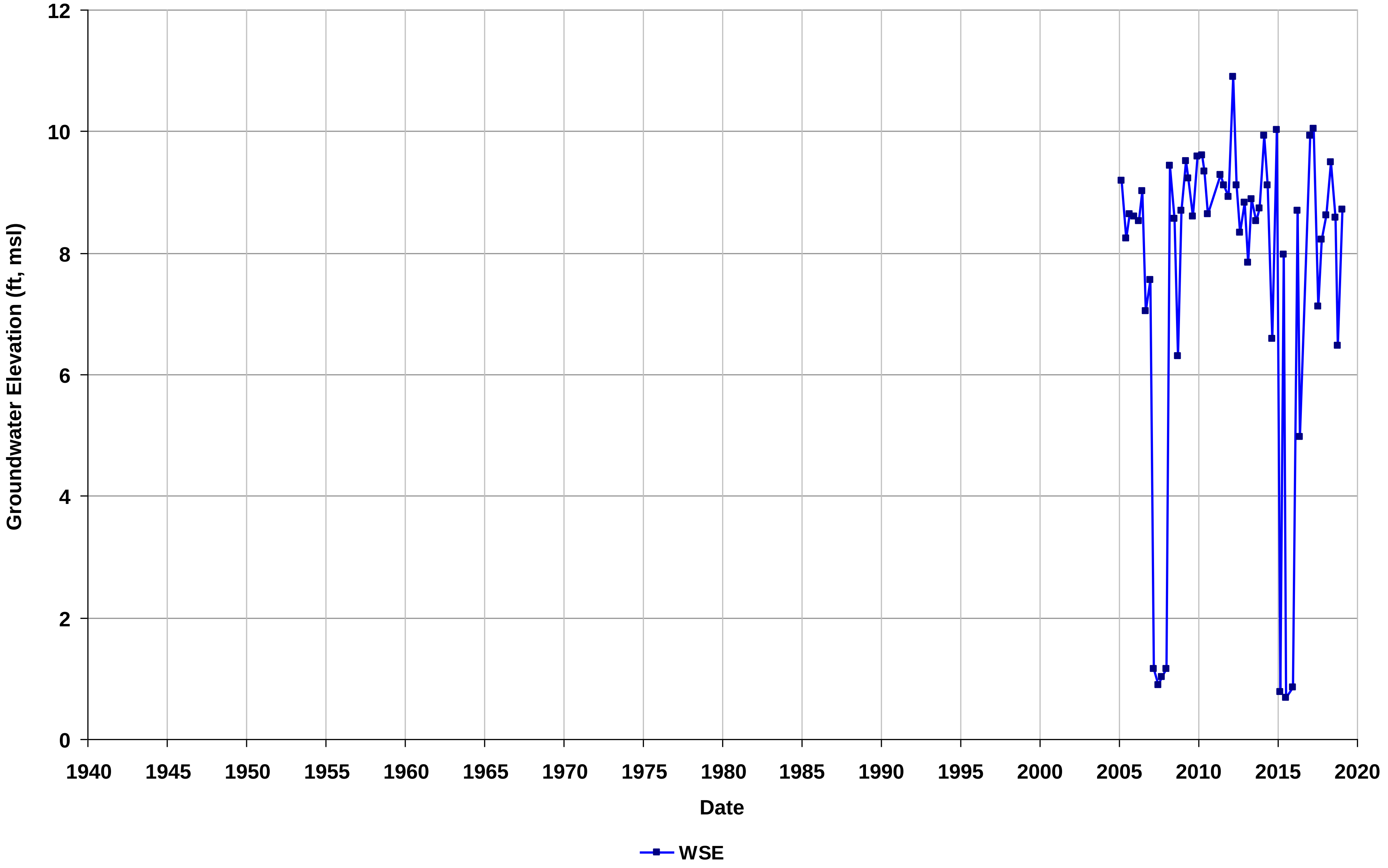
Well Name: SL374211188-MW-24
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 8
Perf. Interval (ft bgs): 3.5-14
T/R/S: 01N/05W/24
Well Use: Observation



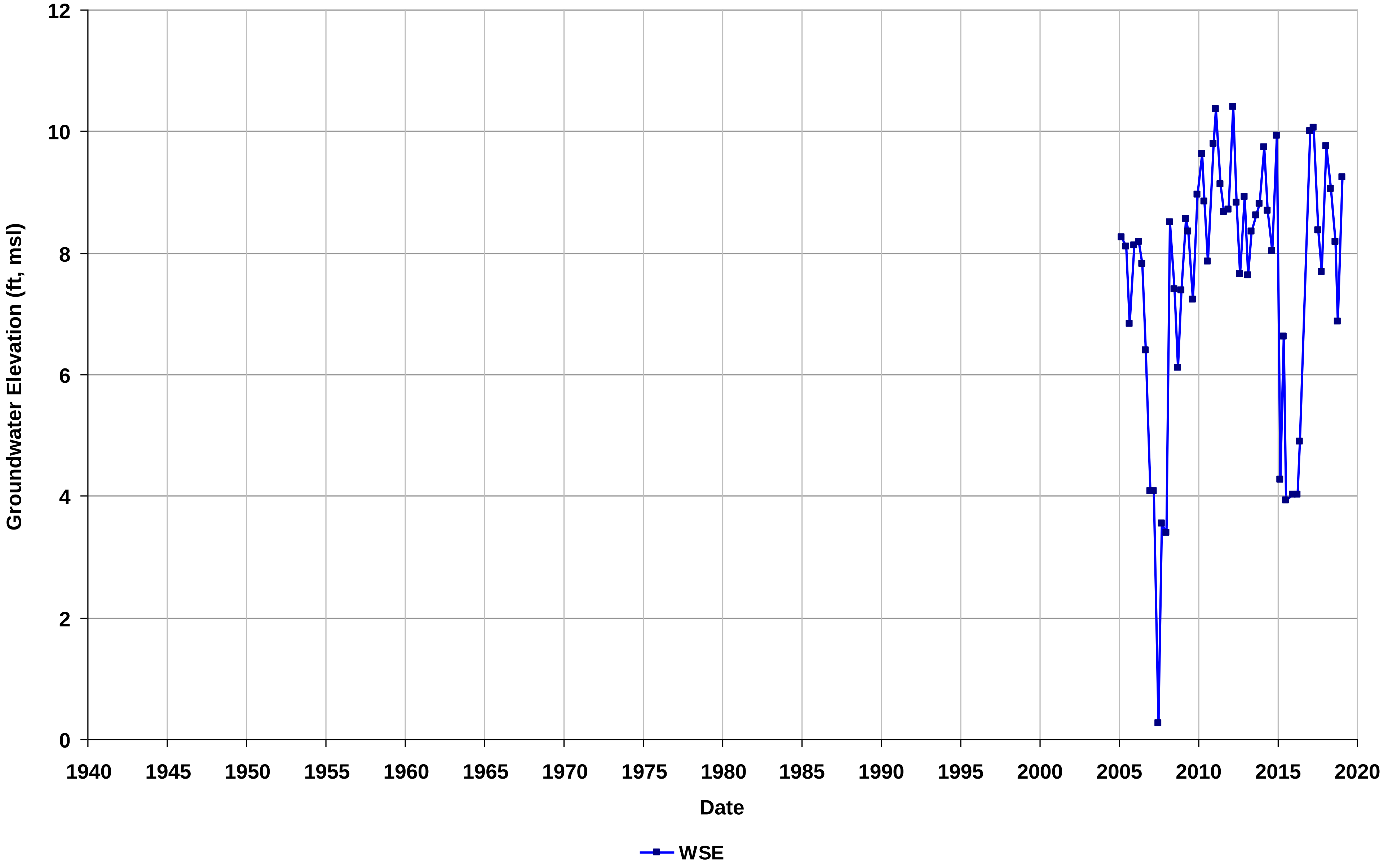
Well Name: SL374211188-MW-25
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 13
Perf. Interval (ft bgs): 2.5-12
T/R/S: 01N/05W/24
Well Use: Observation



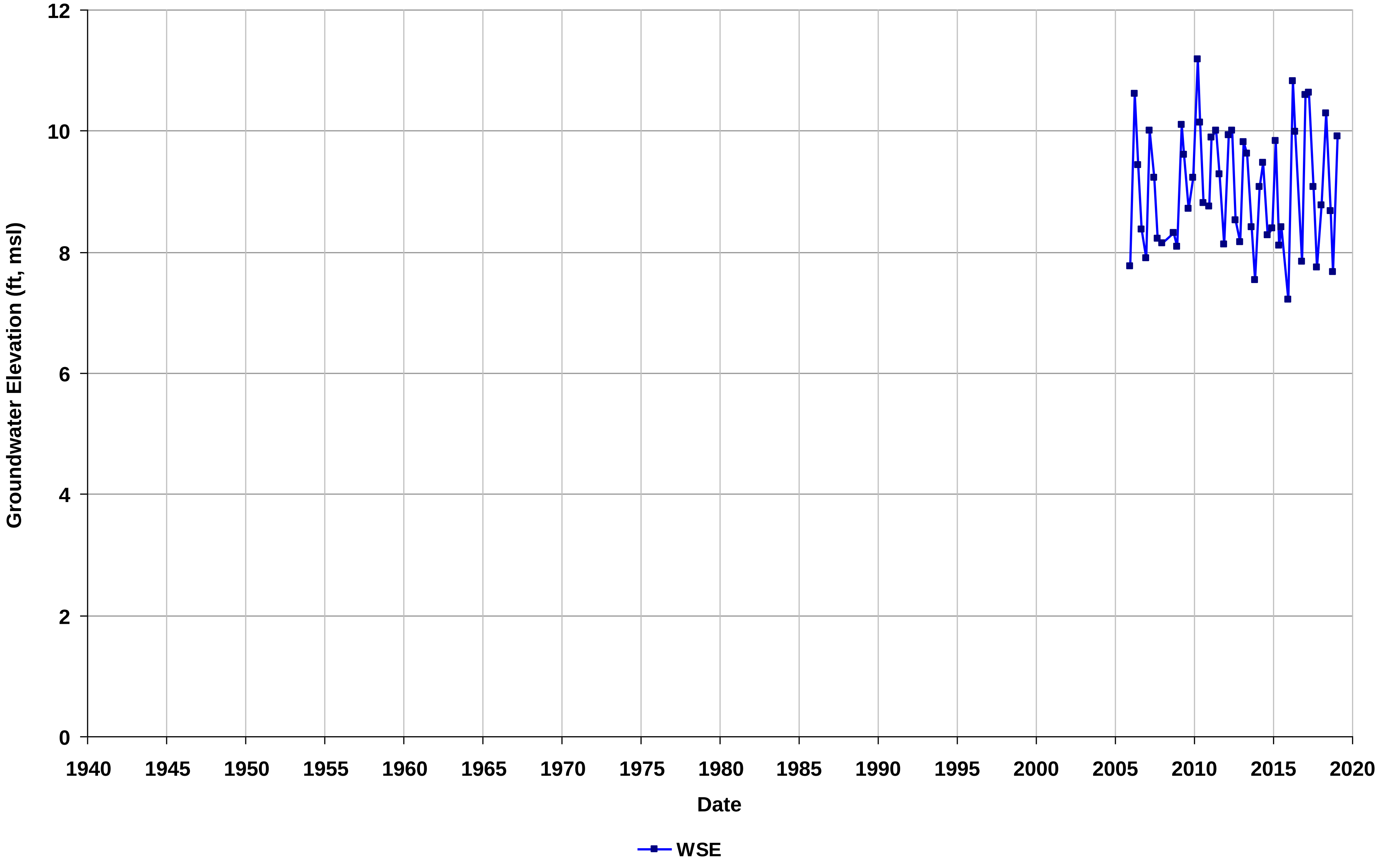
Well Name: SL374211188-MW-26
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 12
Perf. Interval (ft bgs): 3-13
T/R/S: 01N/05W/24
Well Use: Observation



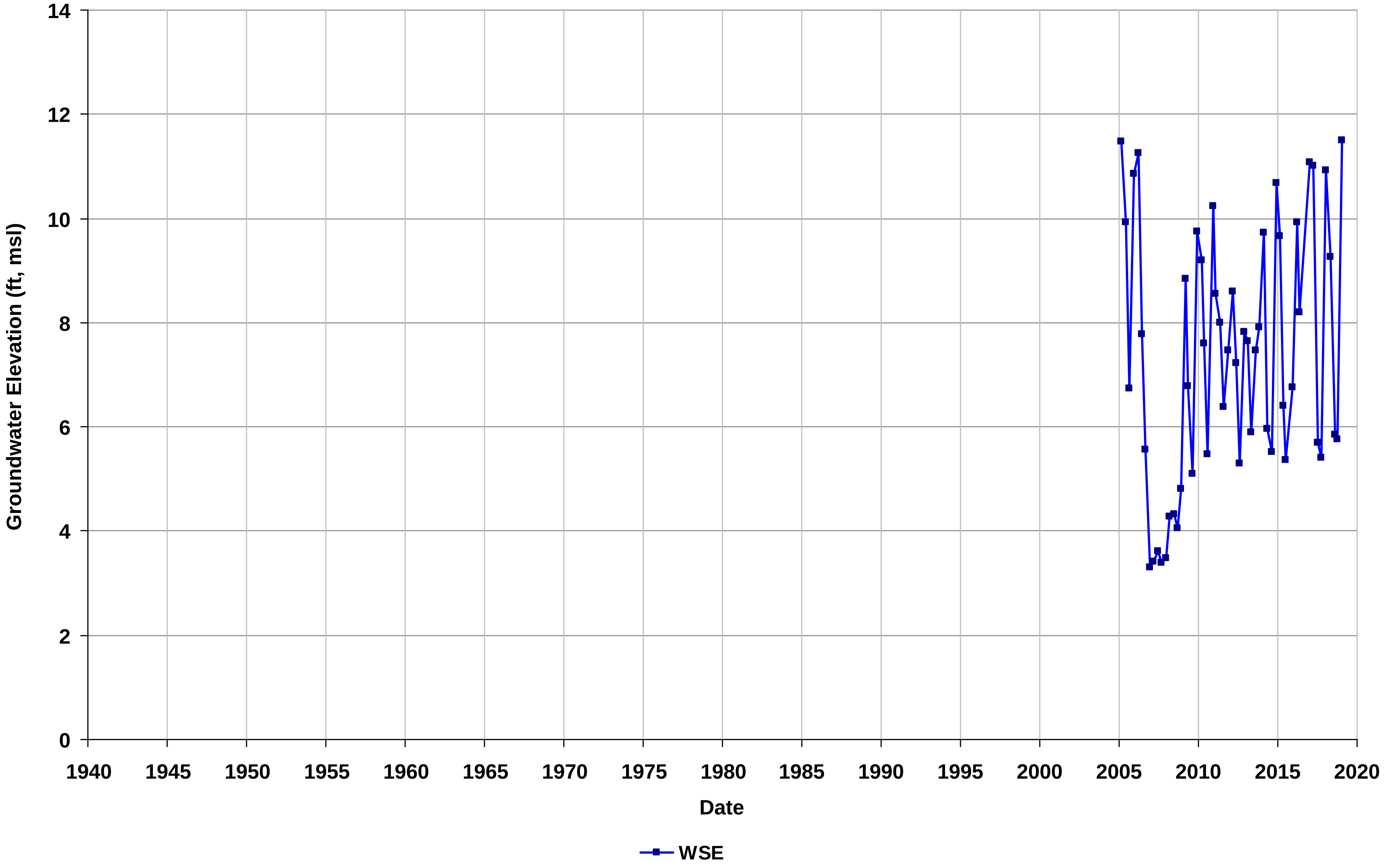
Well Name: SL374211188-MW-28
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 15
Perf. Interval (ft bgs): 3-15
T/R/S: 01N/05W/24
Well Use: Observation



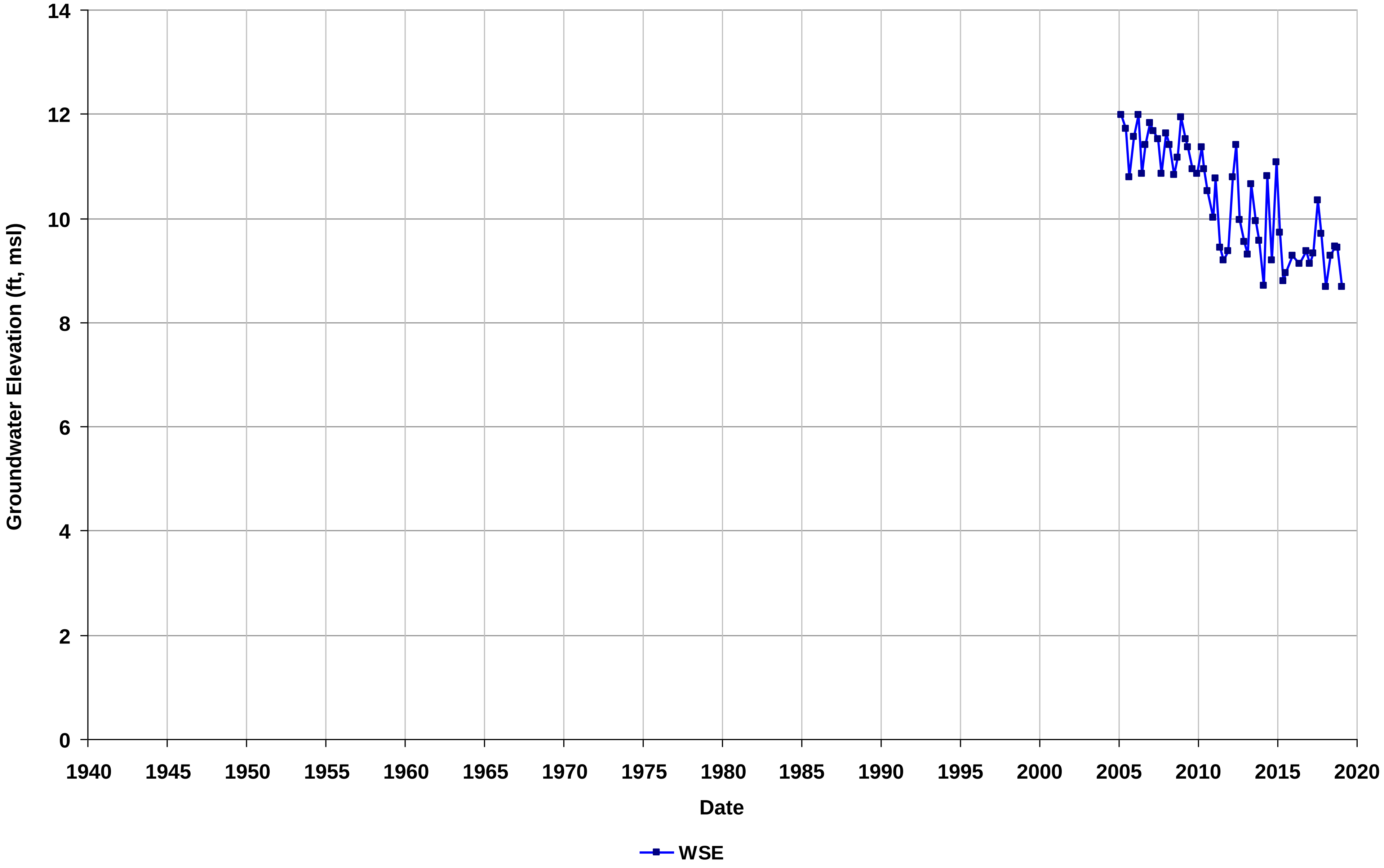
Well Name: SL374211188-MW-3
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 9
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



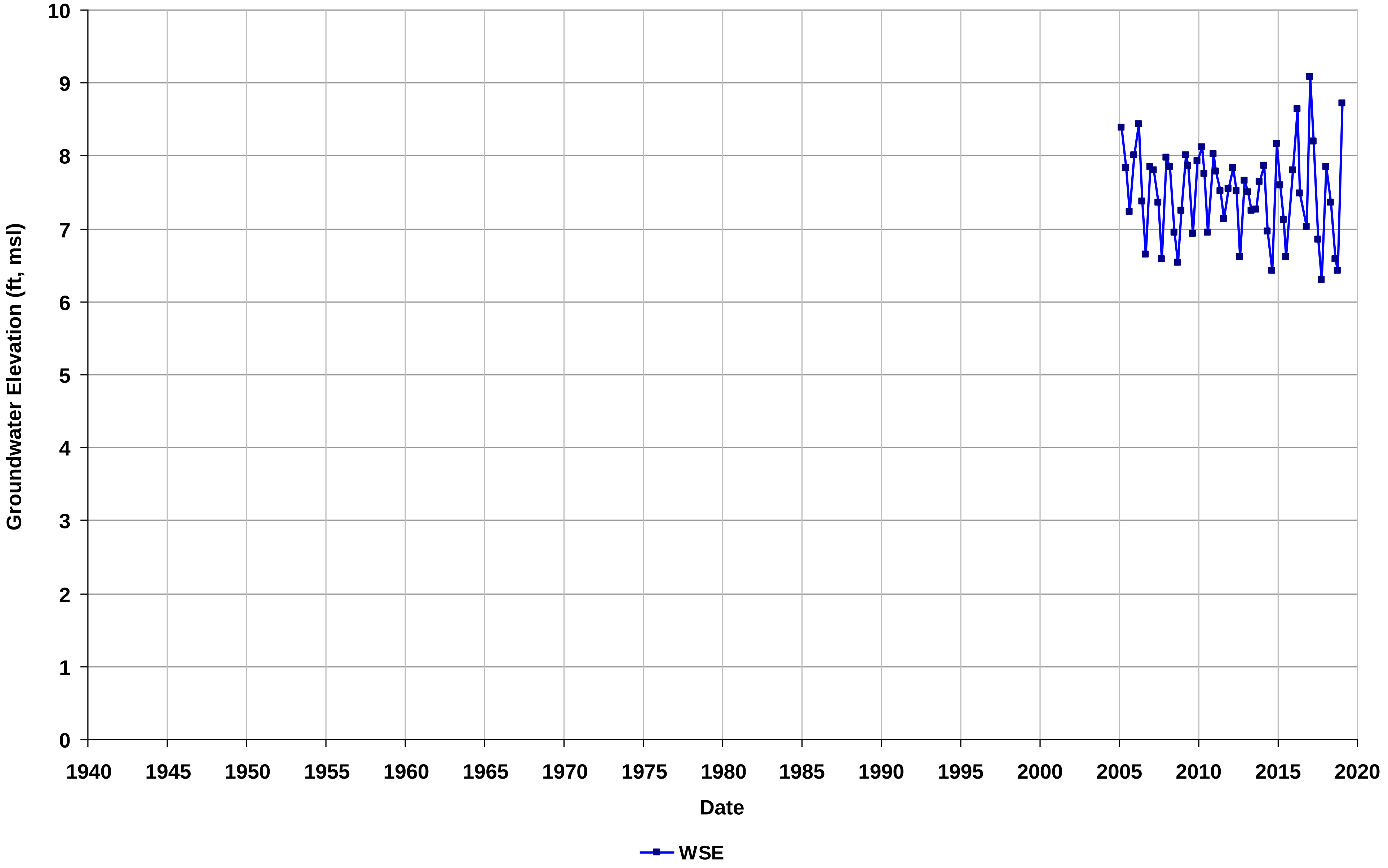
Well Name: SL374211188-MW-5
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 9
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



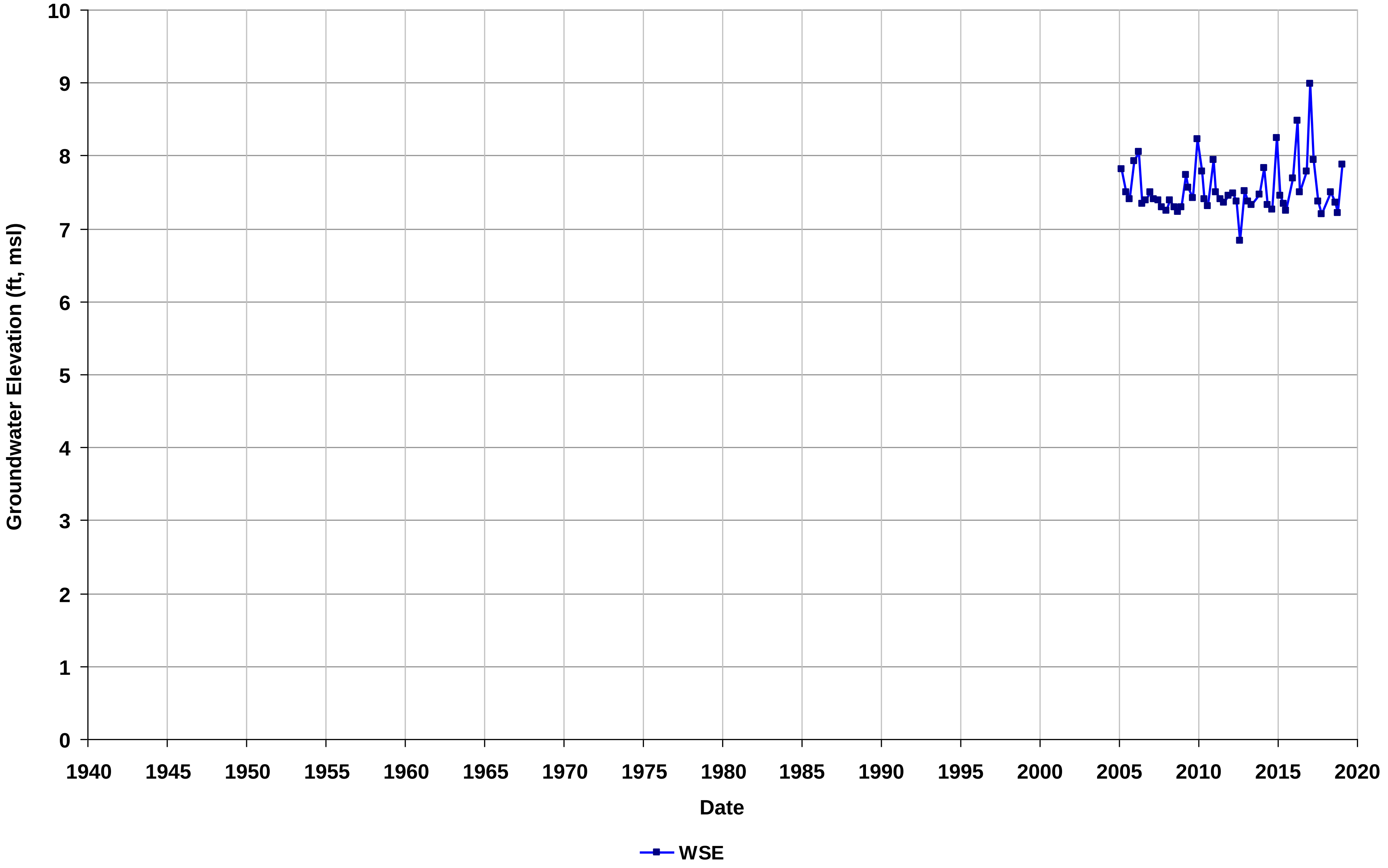
Well Name: SL374211188-MW-6
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 14
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



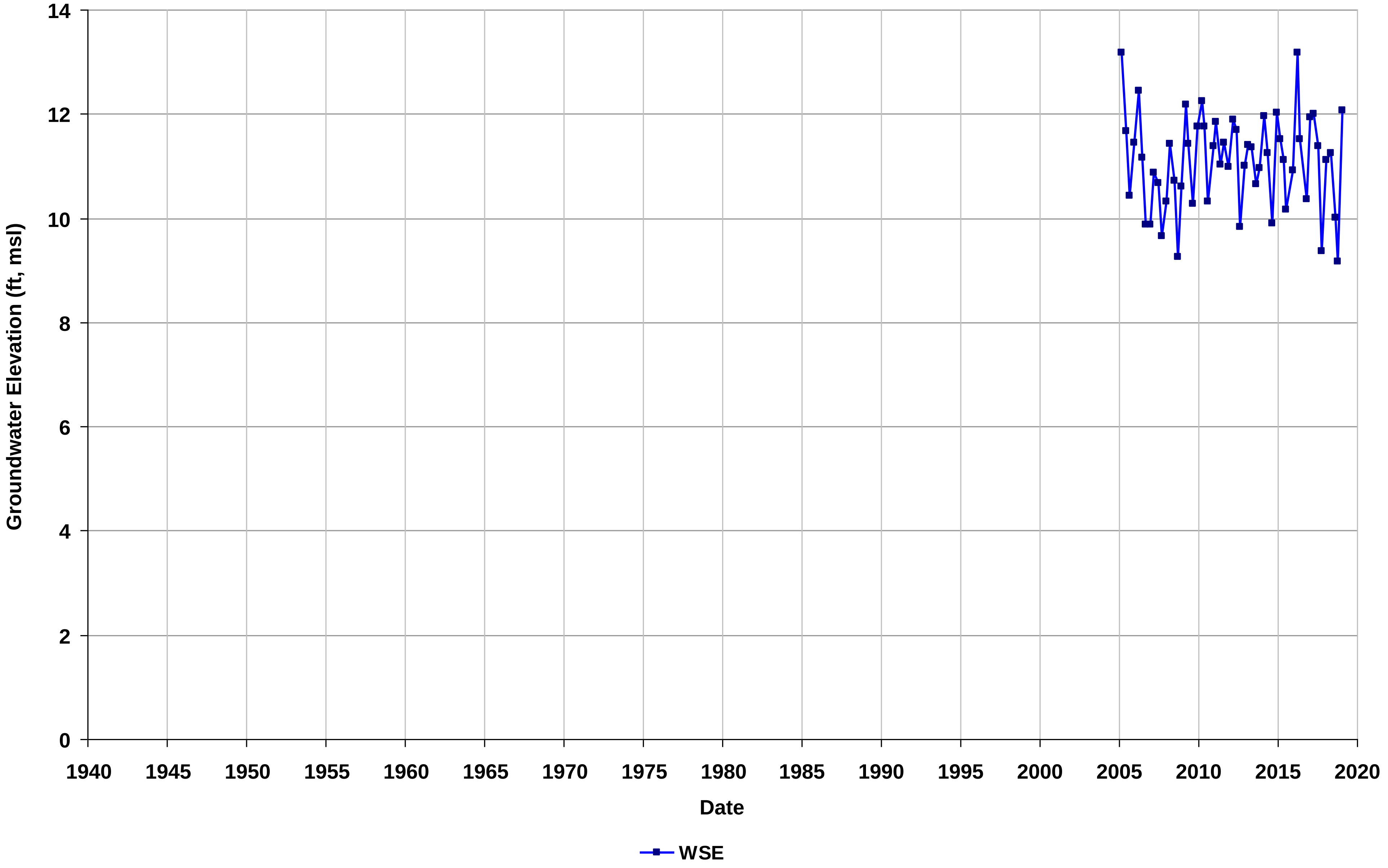
Well Name: SL374211188-MW-7
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 11
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



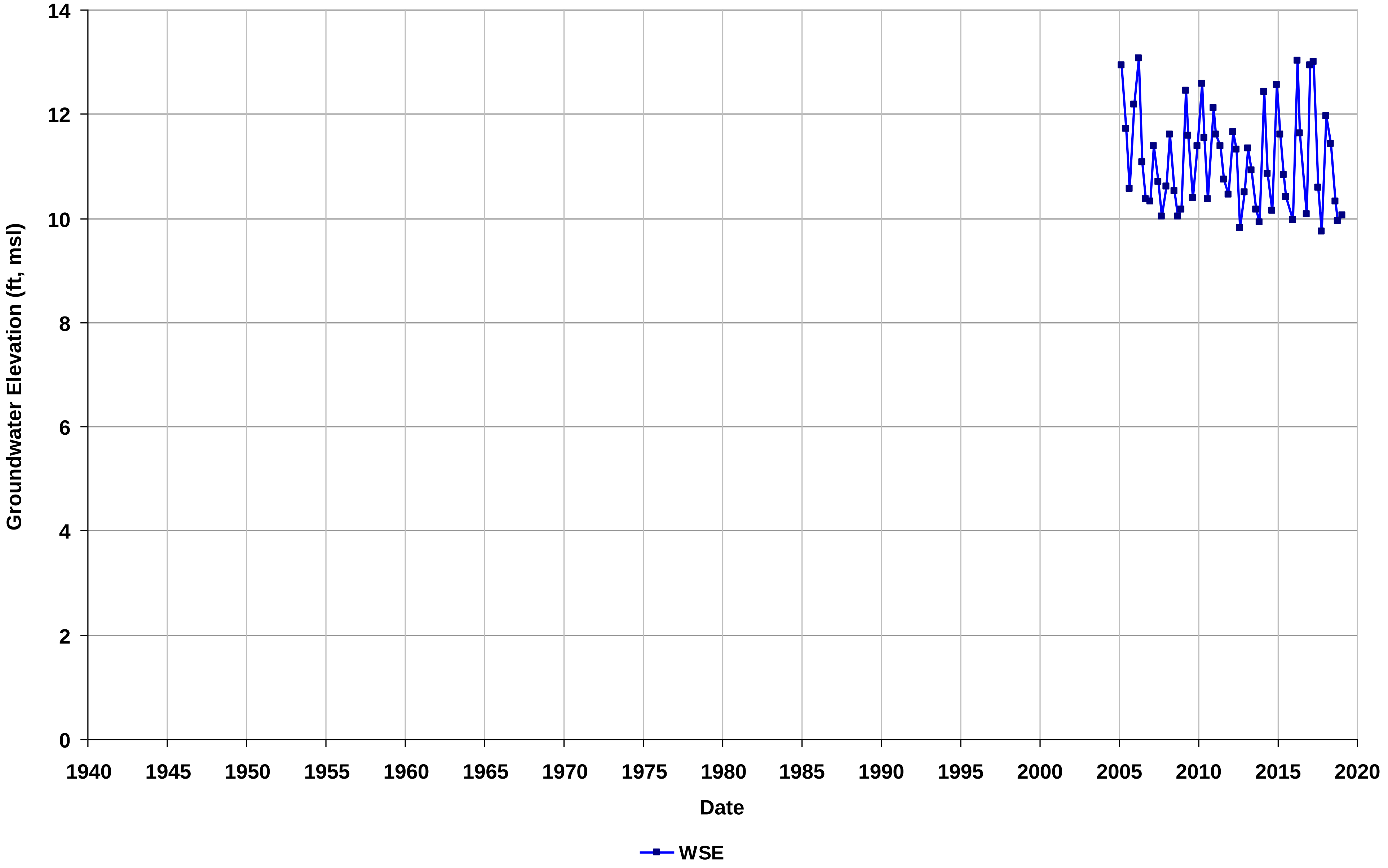
Well Name: SL374211188-MW-8
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 13
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



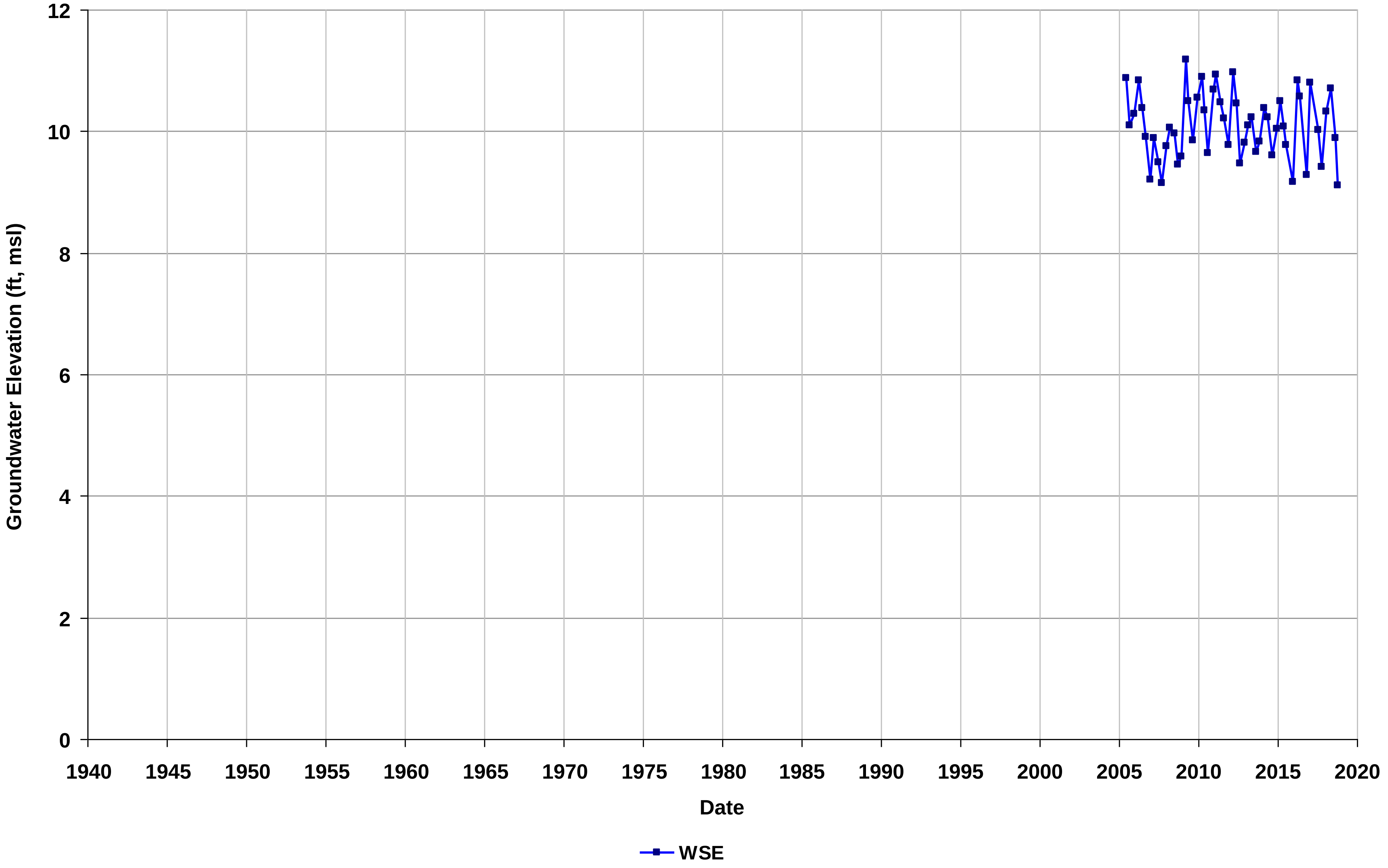
Well Name: SL374211188-MW-9
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 15
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



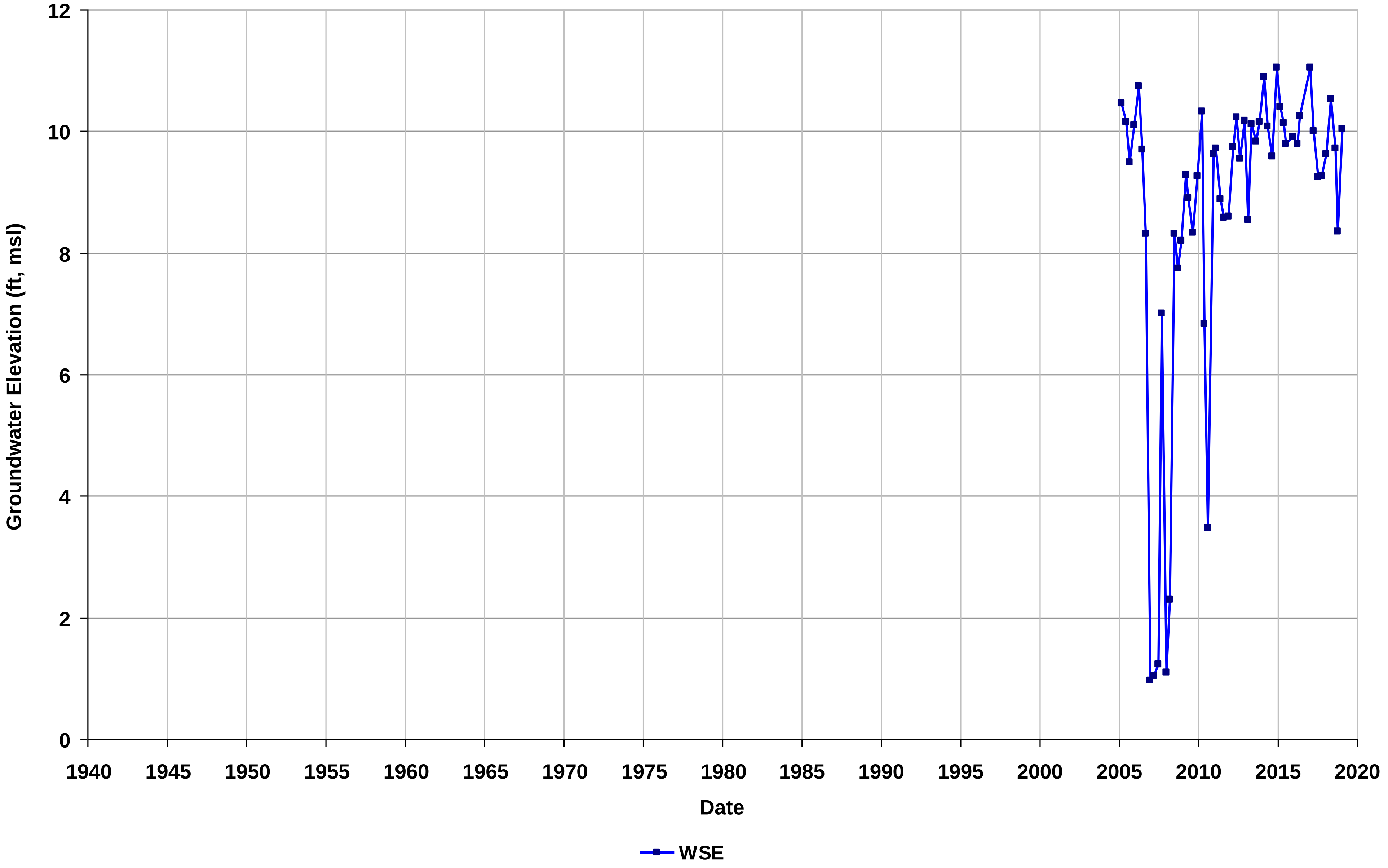
Well Name: SL374211188-RW-11
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 15
Perf. Interval (ft bgs): 3-15
T/R/S: 01N/05W/24
Well Use: Observation



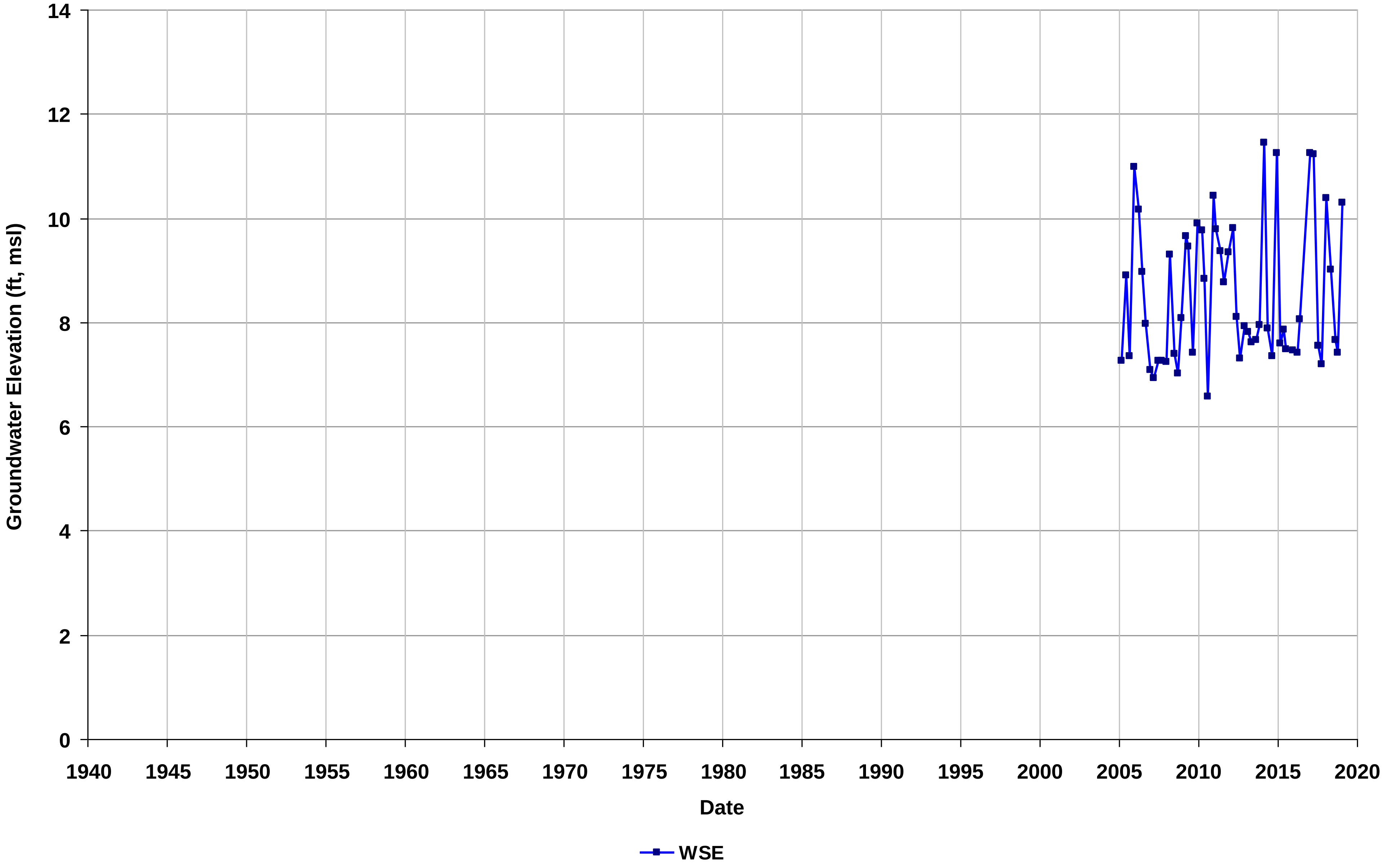
Well Name: SL374211188-RW-13
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 13
Perf. Interval (ft bgs): 3-15
T/R/S: 01N/05W/24
Well Use: Observation



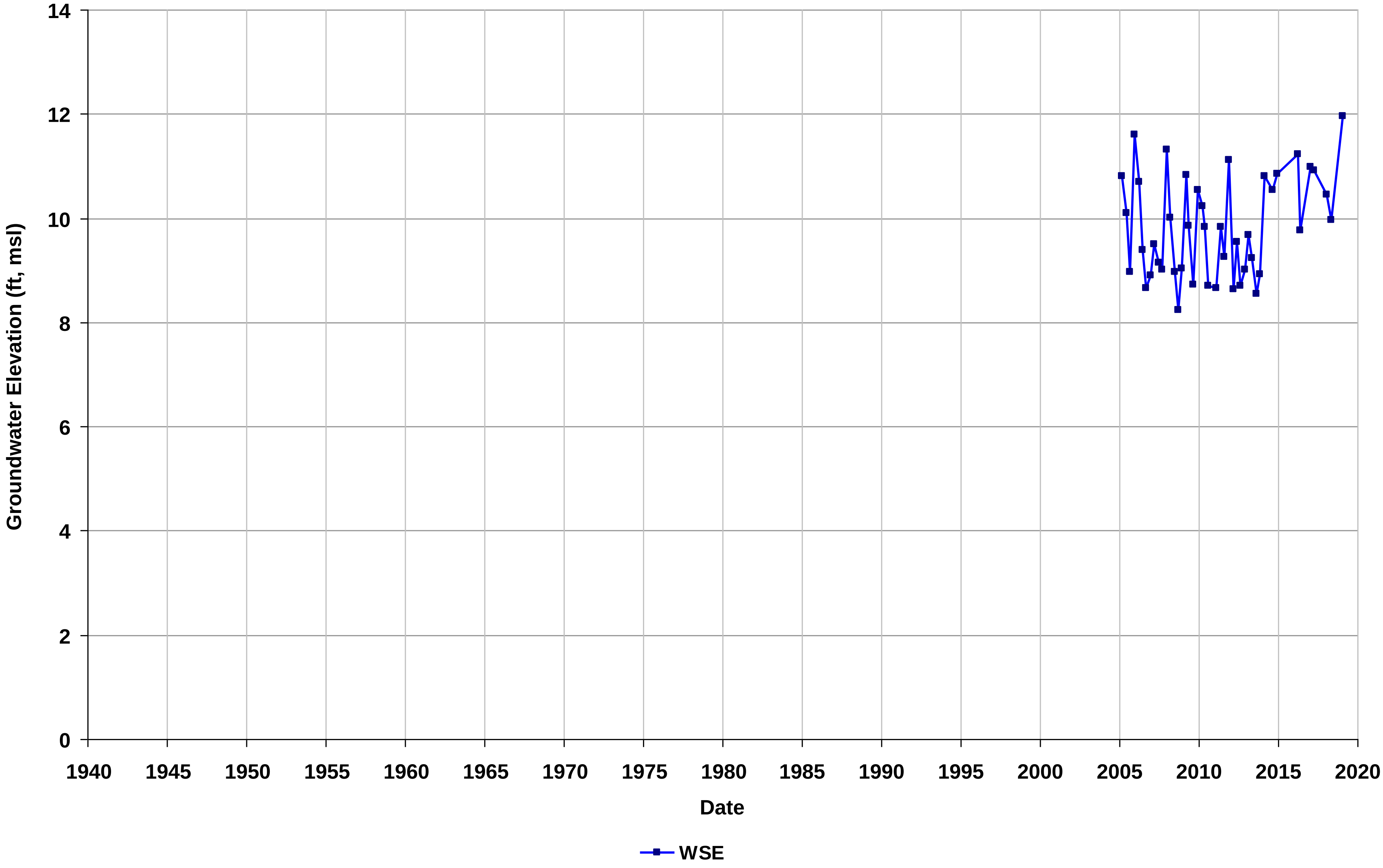
Well Name: SL374211188-RW-15
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 6
Perf. Interval (ft bgs): 2.5-8
T/R/S: 01N/05W/24
Well Use: Observation



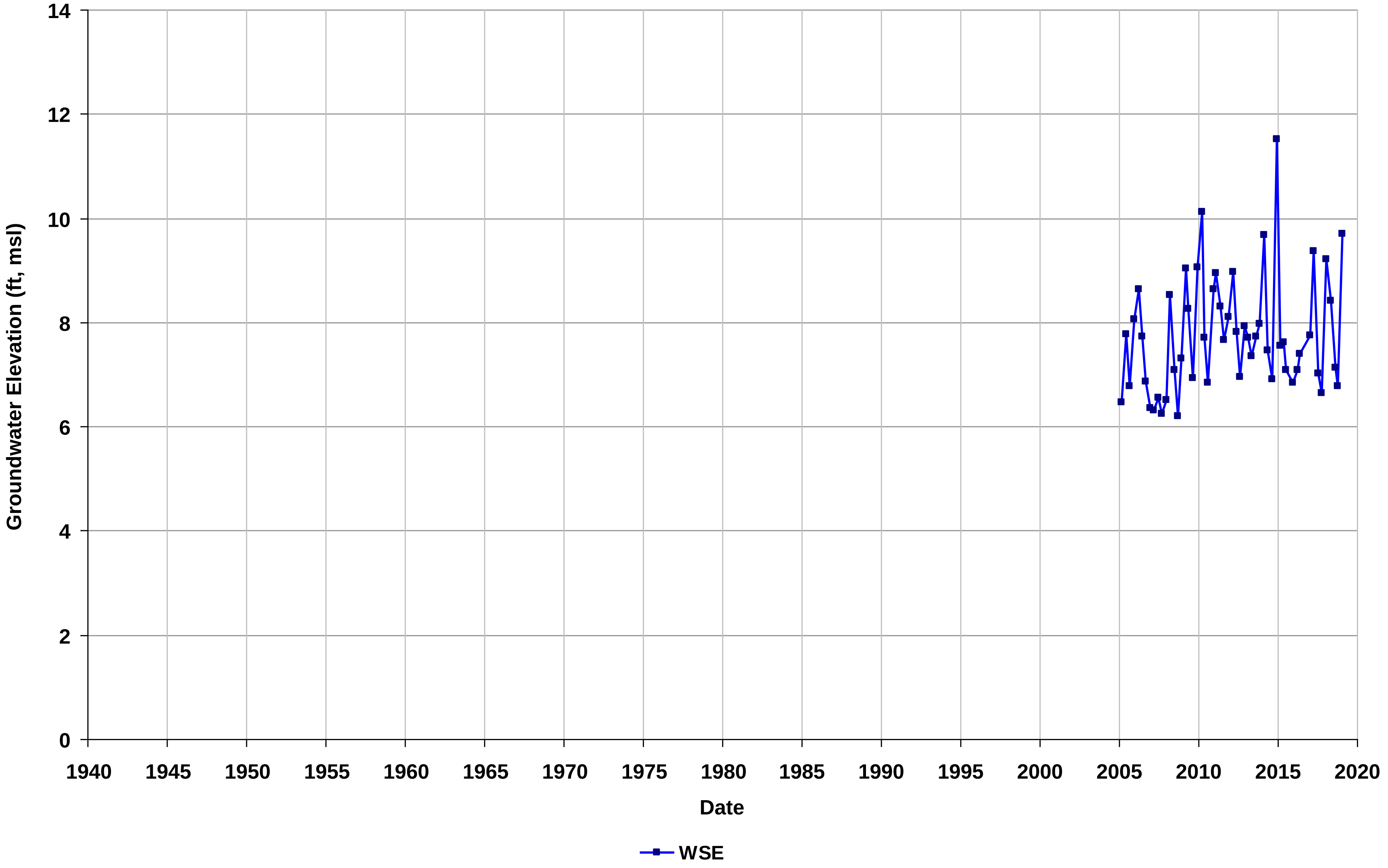
Well Name: SL374211188-RW-16
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 5
Perf. Interval (ft bgs): 2.5-8
T/R/S: 01N/05W/24
Well Use: Observation



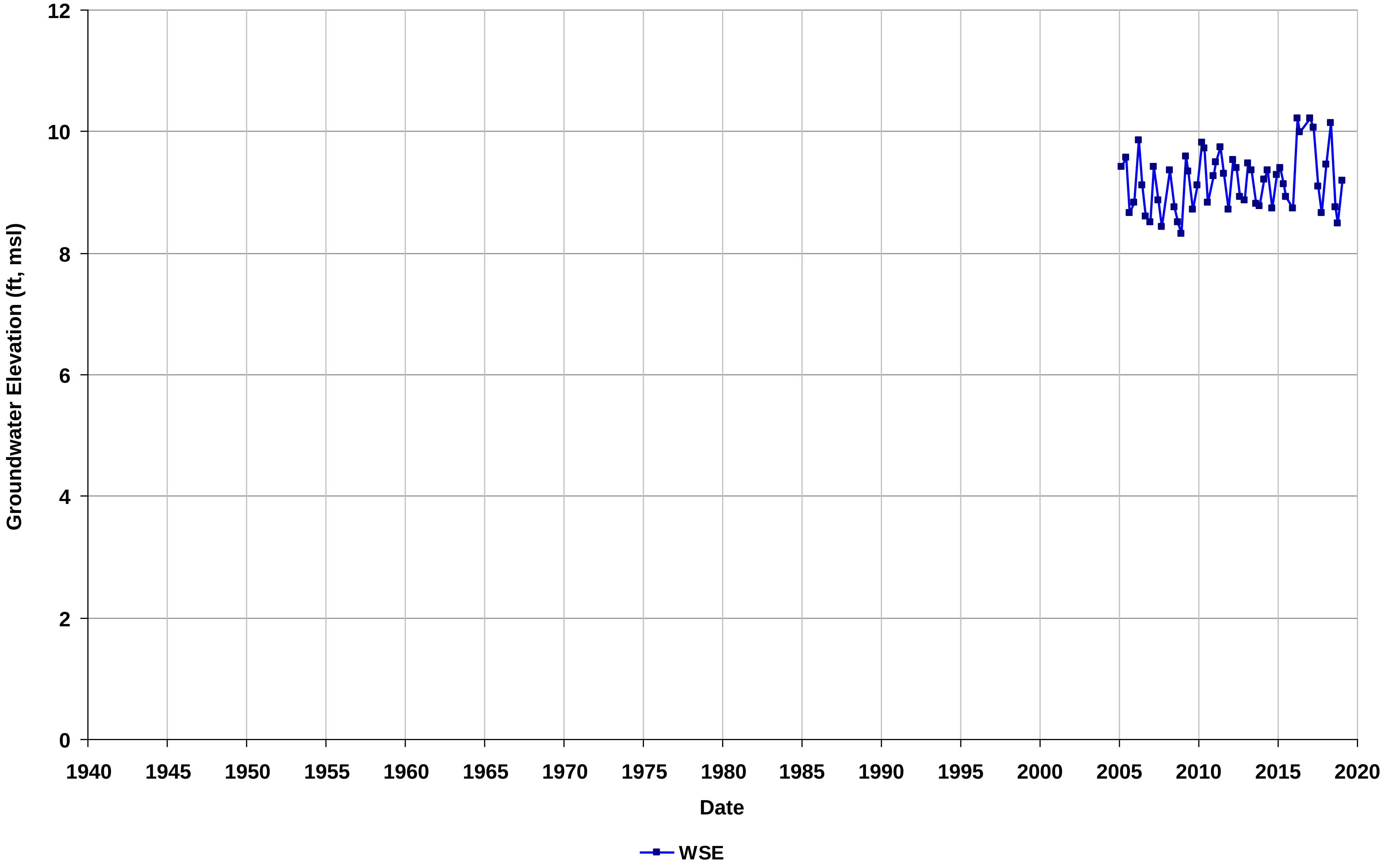
Well Name: SL374211188-RW-17
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 7
Perf. Interval (ft bgs): 2.5-8
T/R/S: 01N/05W/24
Well Use: Observation



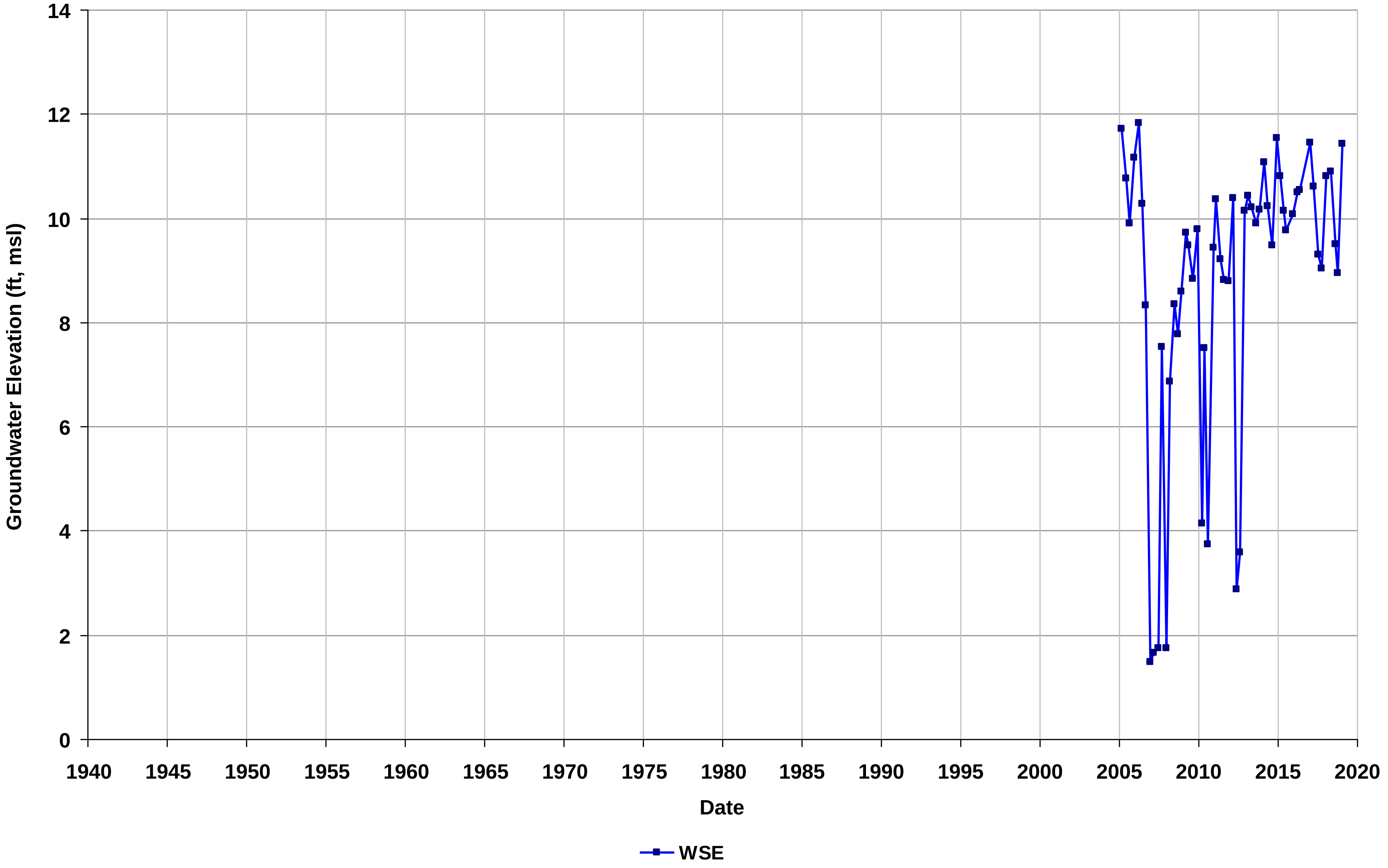
Well Name: SL374211188-RW-18
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 8
Perf. Interval (ft bgs): 2.5-8
T/R/S: 01N/05W/24
Well Use: Observation



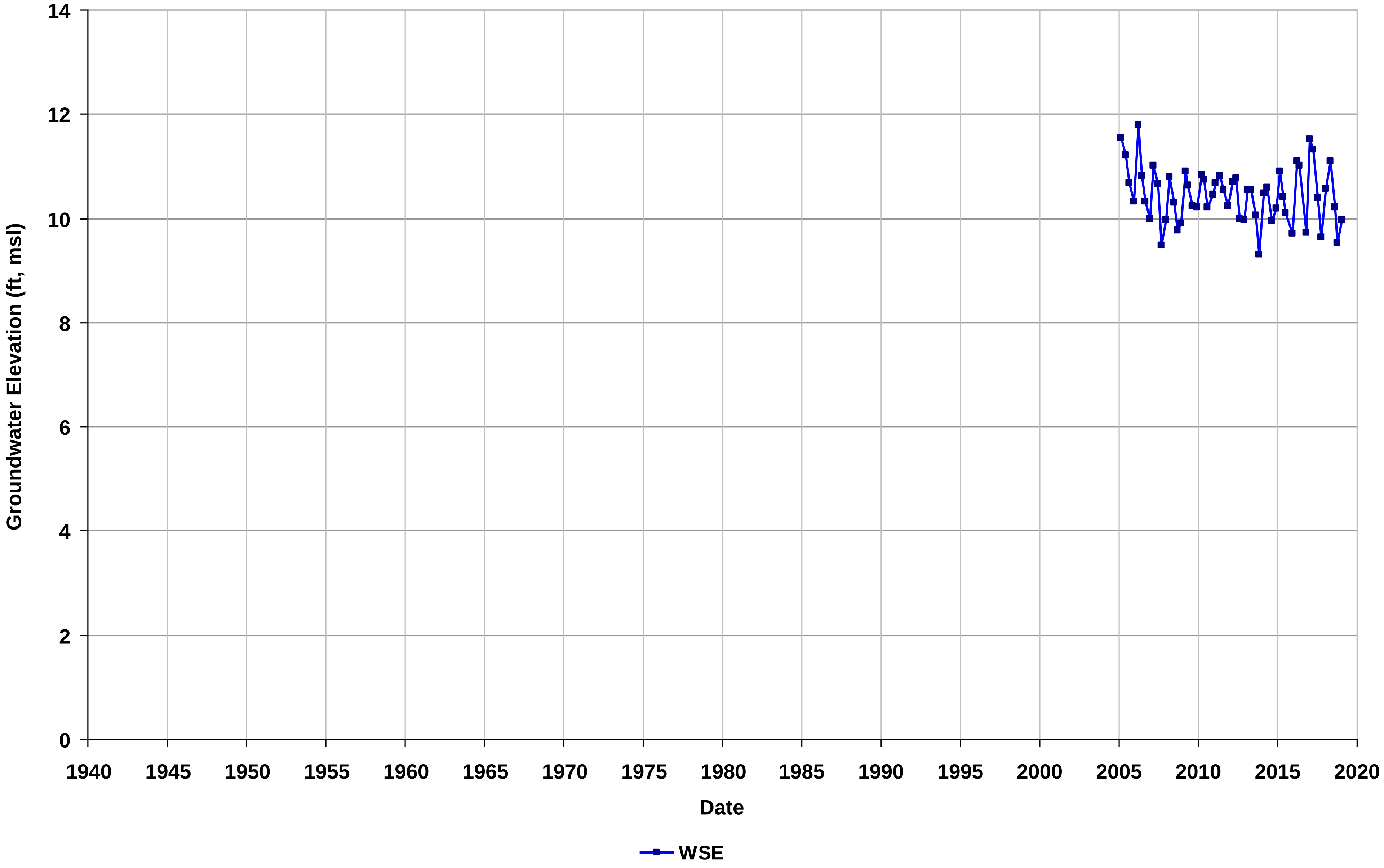
Well Name: SL374211188-RW-19
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 13
Perf. Interval (ft bgs): 2.5-15
T/R/S: 01N/05W/24
Well Use: Observation



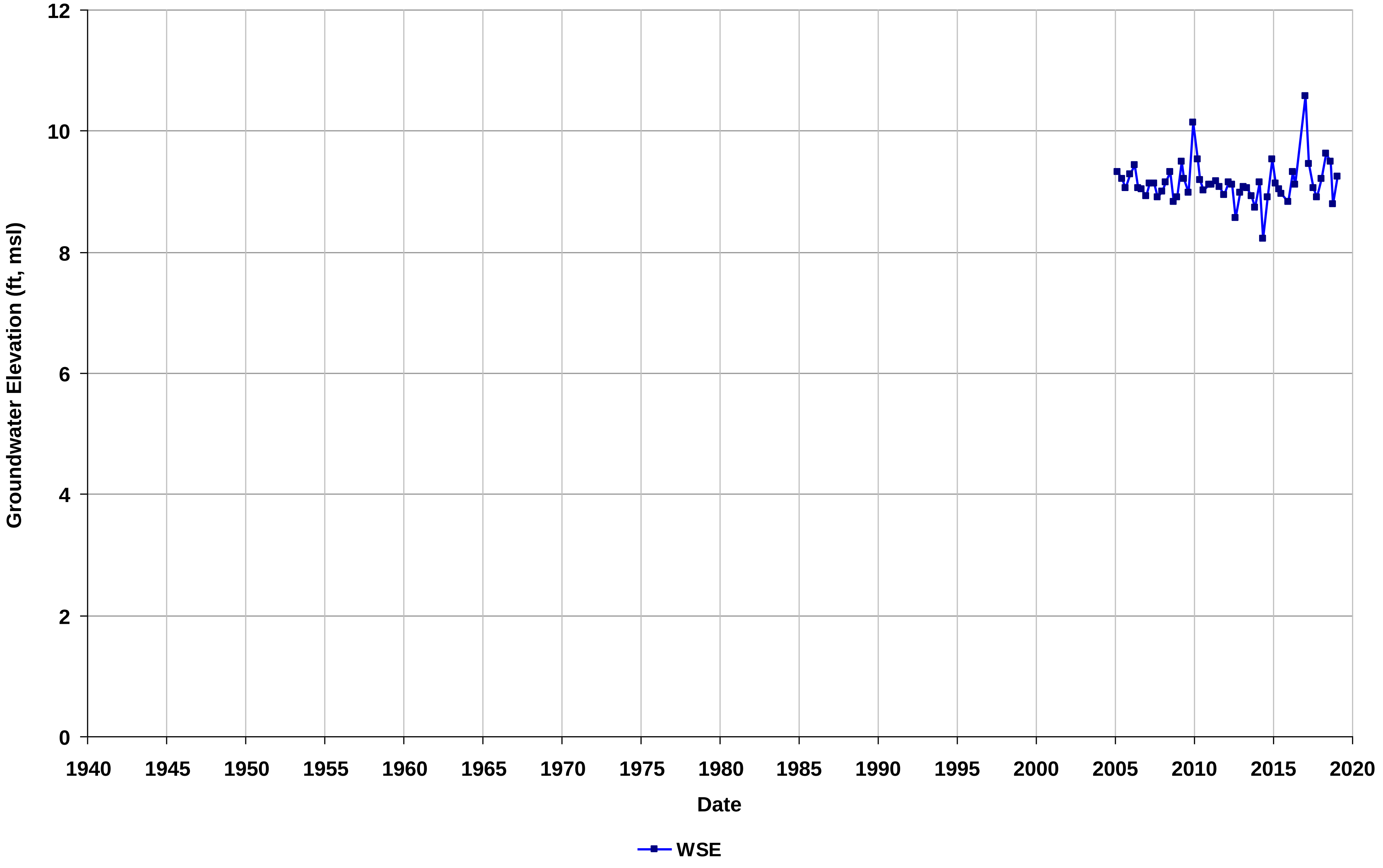
Well Name: SL374211188-RW-2
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 8
Perf. Interval (ft bgs): 3-8
T/R/S: 01N/05W/24
Well Use: Observation



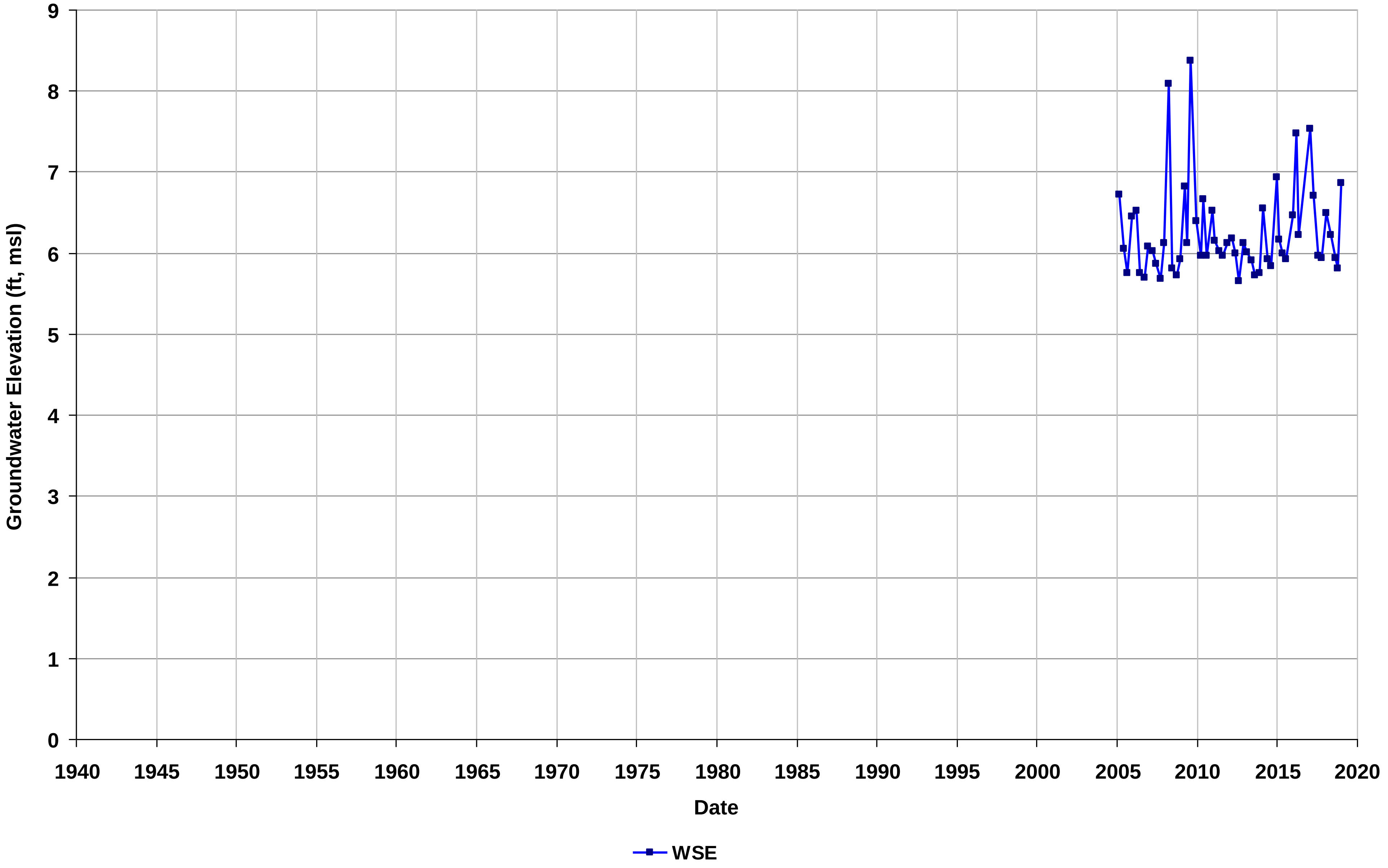
Well Name: SL374211188-RW-20
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 7
Perf. Interval (ft bgs): 3-8
T/R/S: 01N/05W/24
Well Use: Observation



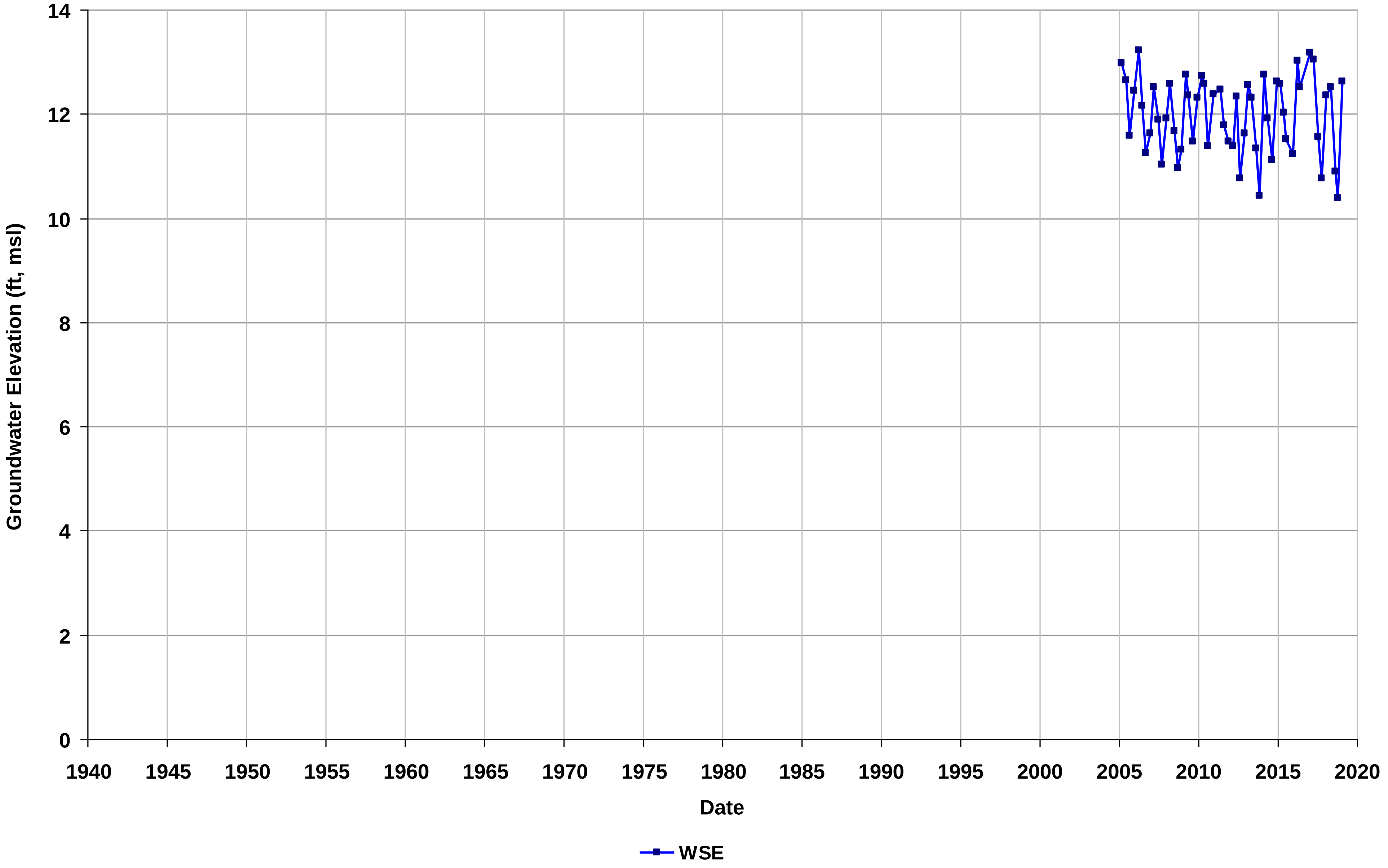
Well Name: SL374211188-RW-21
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 8
Perf. Interval (ft bgs): 3-8
T/R/S: 01N/05W/24
Well Use: Observation



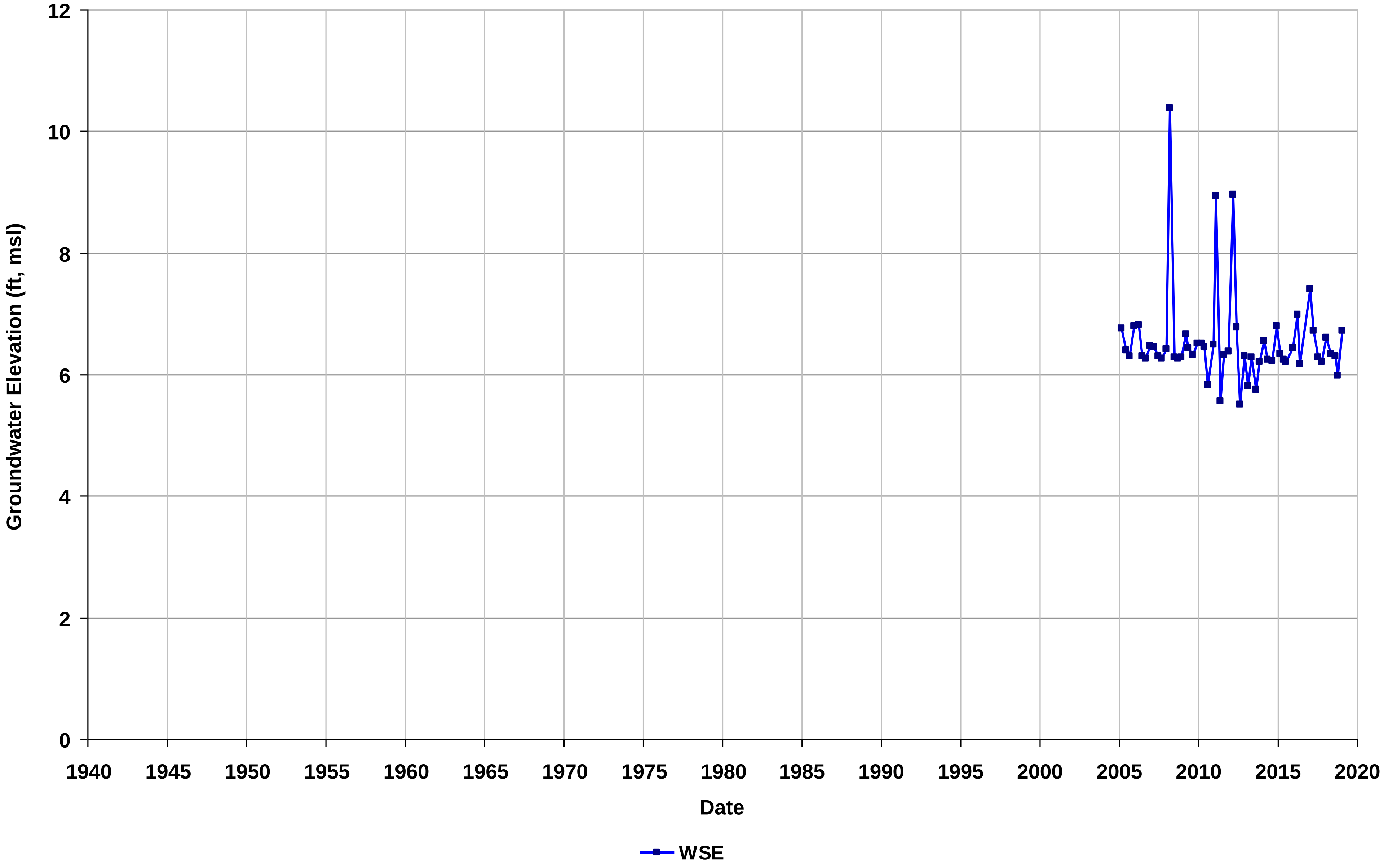
Well Name: SL374211188-RW-22
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 8
Perf. Interval (ft bgs): 2.5-8
T/R/S: 01N/05W/24
Well Use: Observation



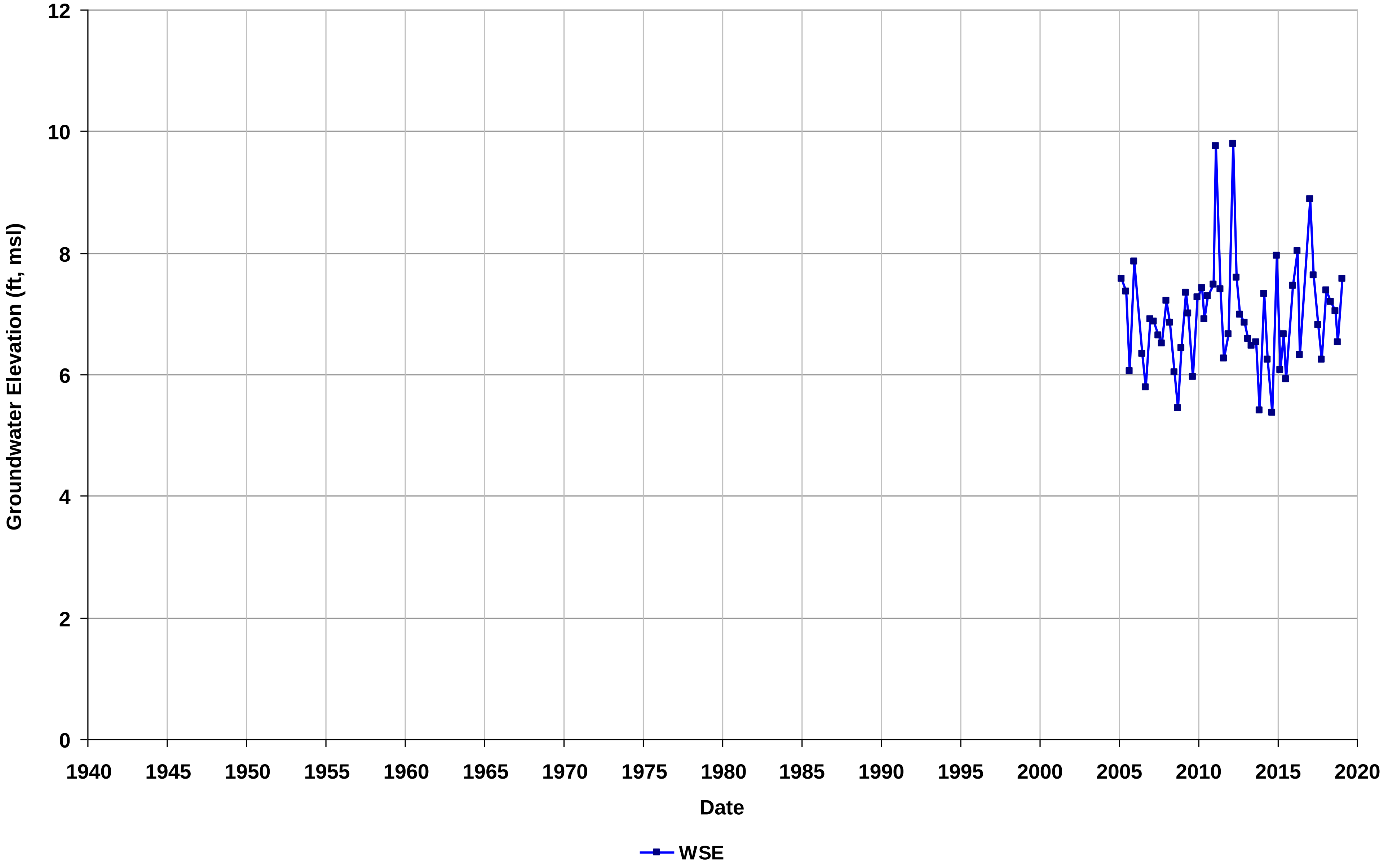
Well Name: SL374211188-RW-23
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 8
Perf. Interval (ft bgs): 2.5-8
T/R/S: 01N/05W/24
Well Use: Observation



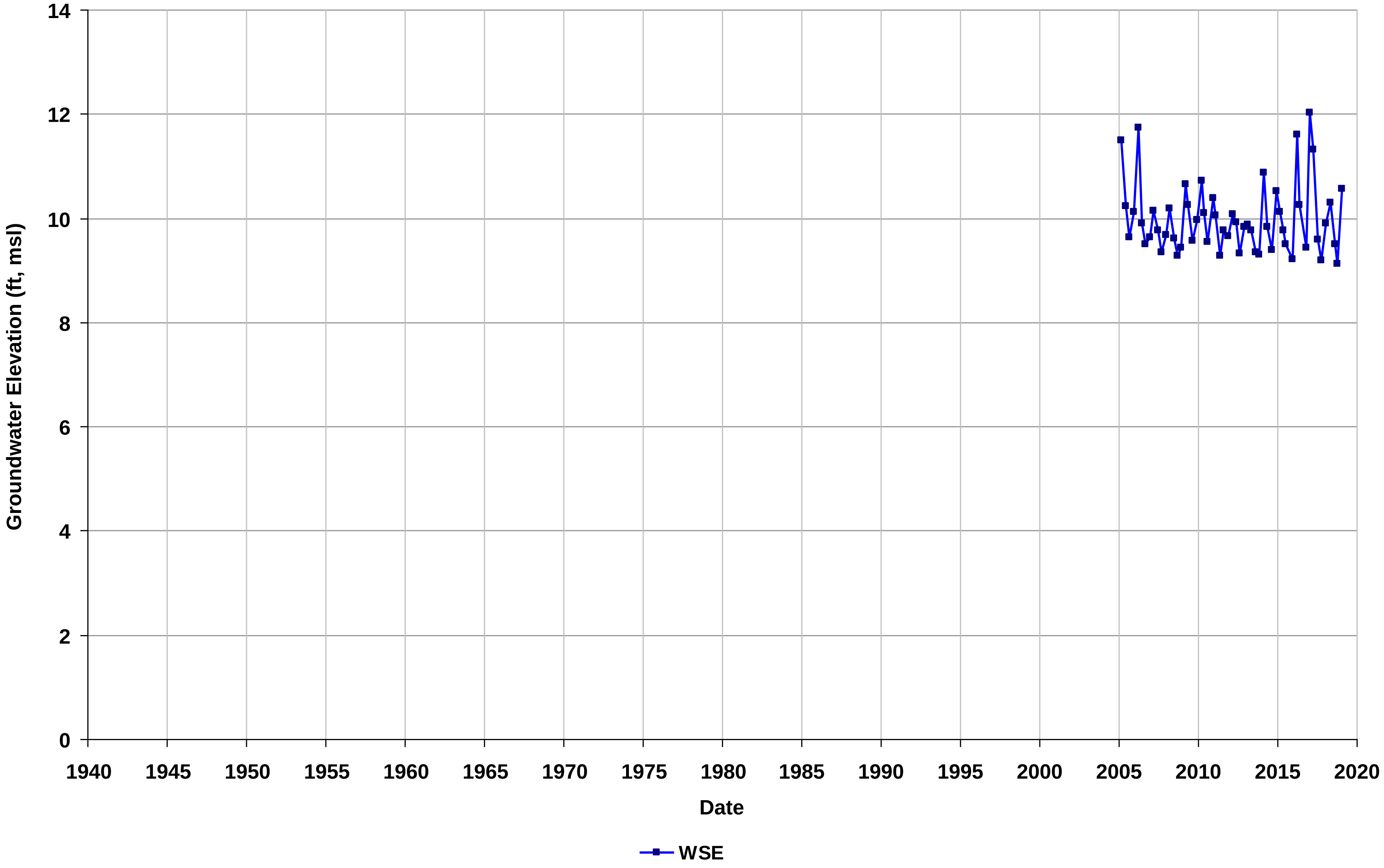
Well Name: SL374211188-RW-24
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 8
Perf. Interval (ft bgs): 2.5-8
T/R/S: 01N/05W/24
Well Use: Observation



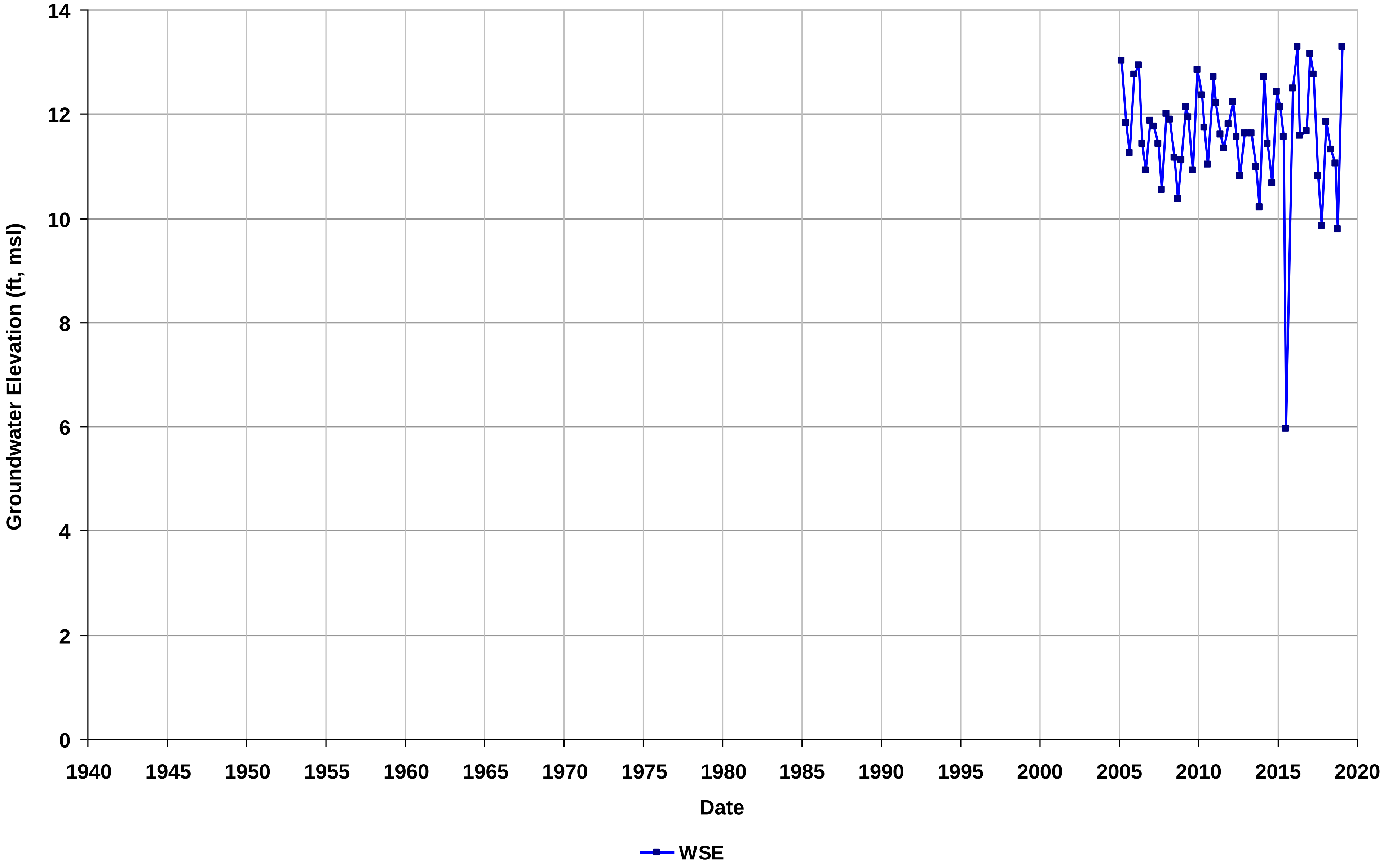
Well Name: SL374211188-RW-3
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 7
Perf. Interval (ft bgs): 3-8
T/R/S: 01N/05W/24
Well Use: Observation



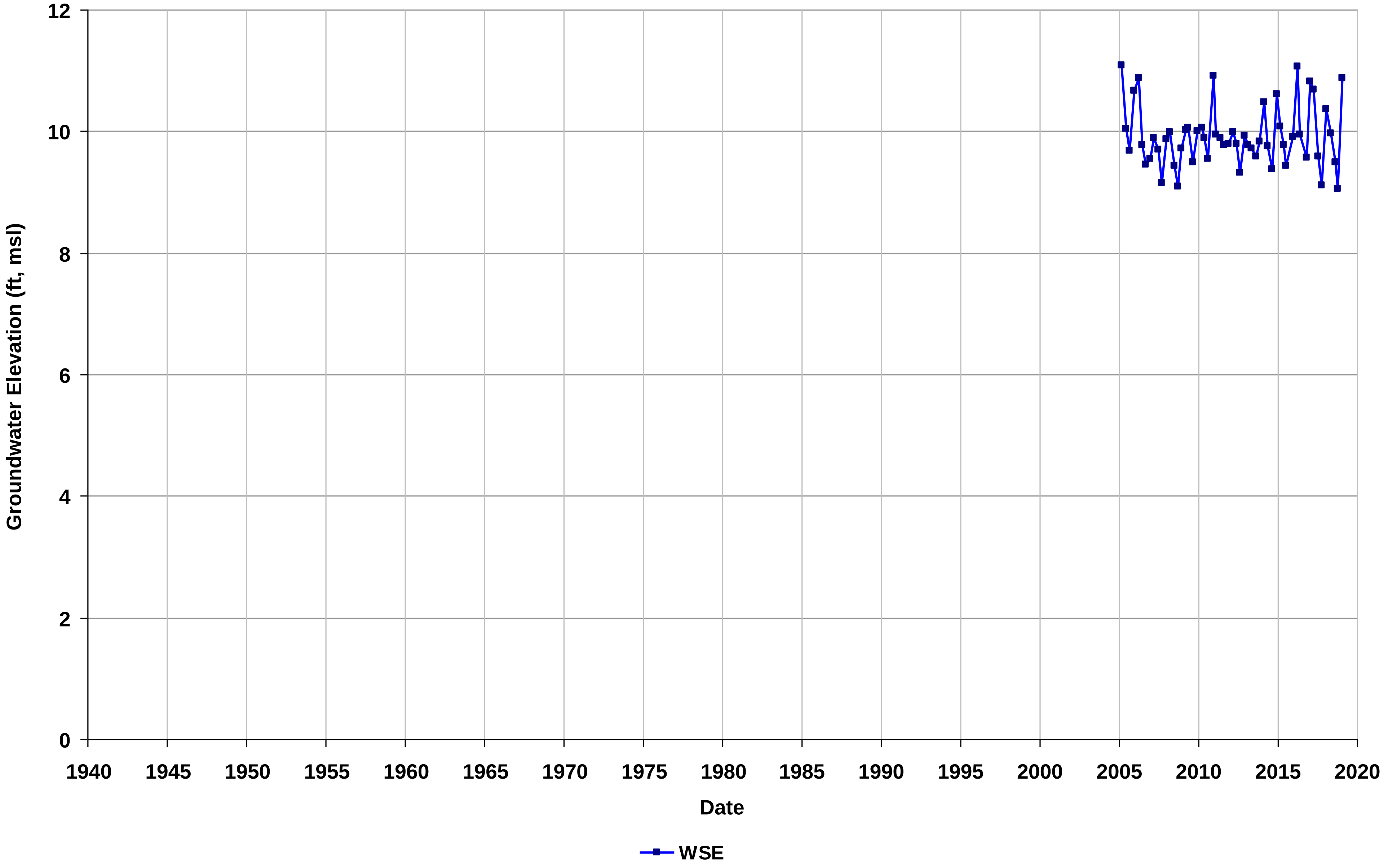
Well Name: SL374211188-RW-4
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 7
Perf. Interval (ft bgs): 2-7
T/R/S: 01N/05W/24
Well Use: Observation



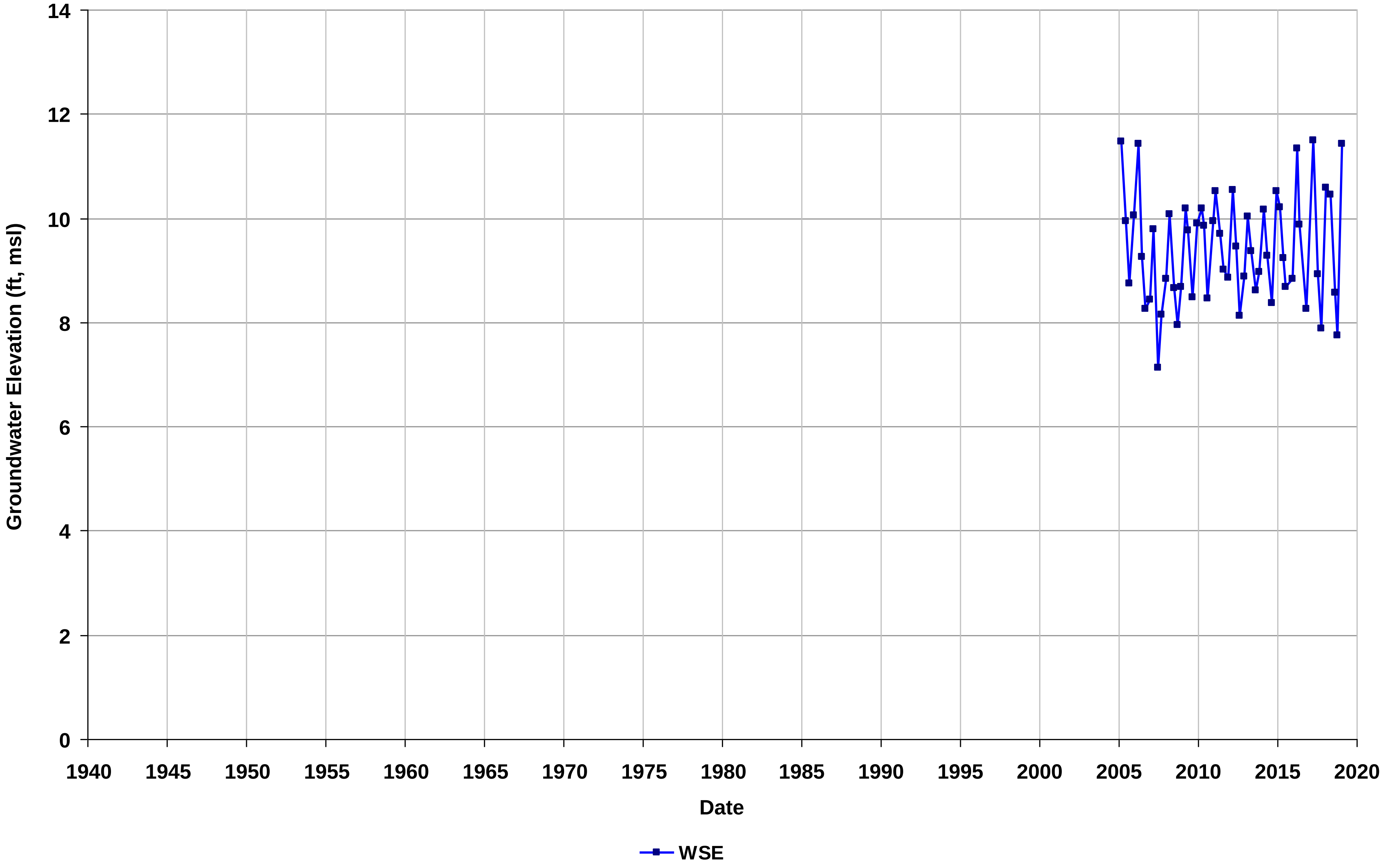
Well Name: SL374211188-RW-5
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 7
Perf. Interval (ft bgs): 2-7
T/R/S: 01N/05W/24
Well Use: Observation



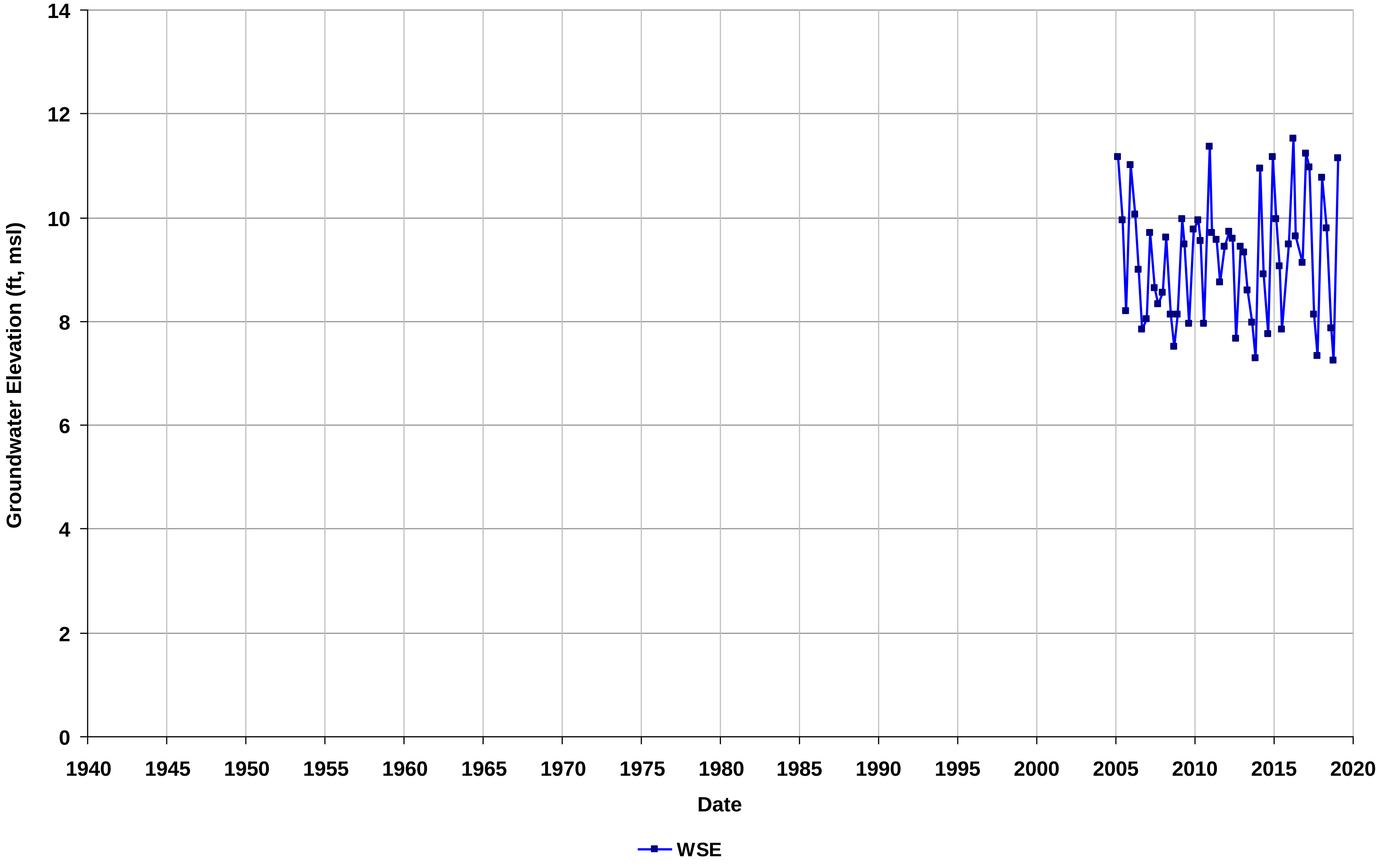
Well Name: SL374211188-RW-7
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 7
Perf. Interval (ft bgs): 2-8
T/R/S: 01N/05W/24
Well Use: Observation



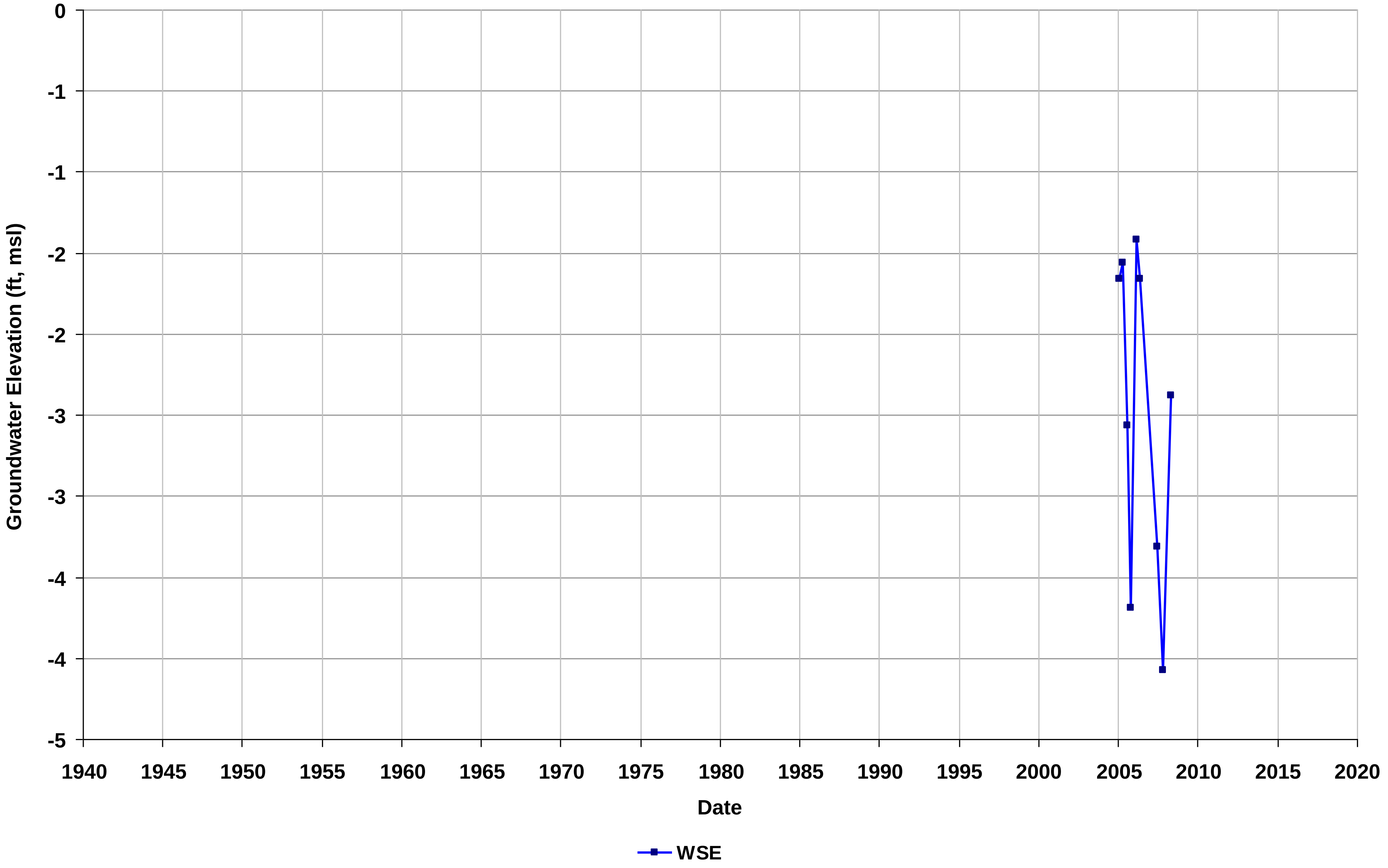
Well Name: SL374211188-RW-9
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 8
Perf. Interval (ft bgs): 2-8
T/R/S: 01N/05W/24
Well Use: Observation



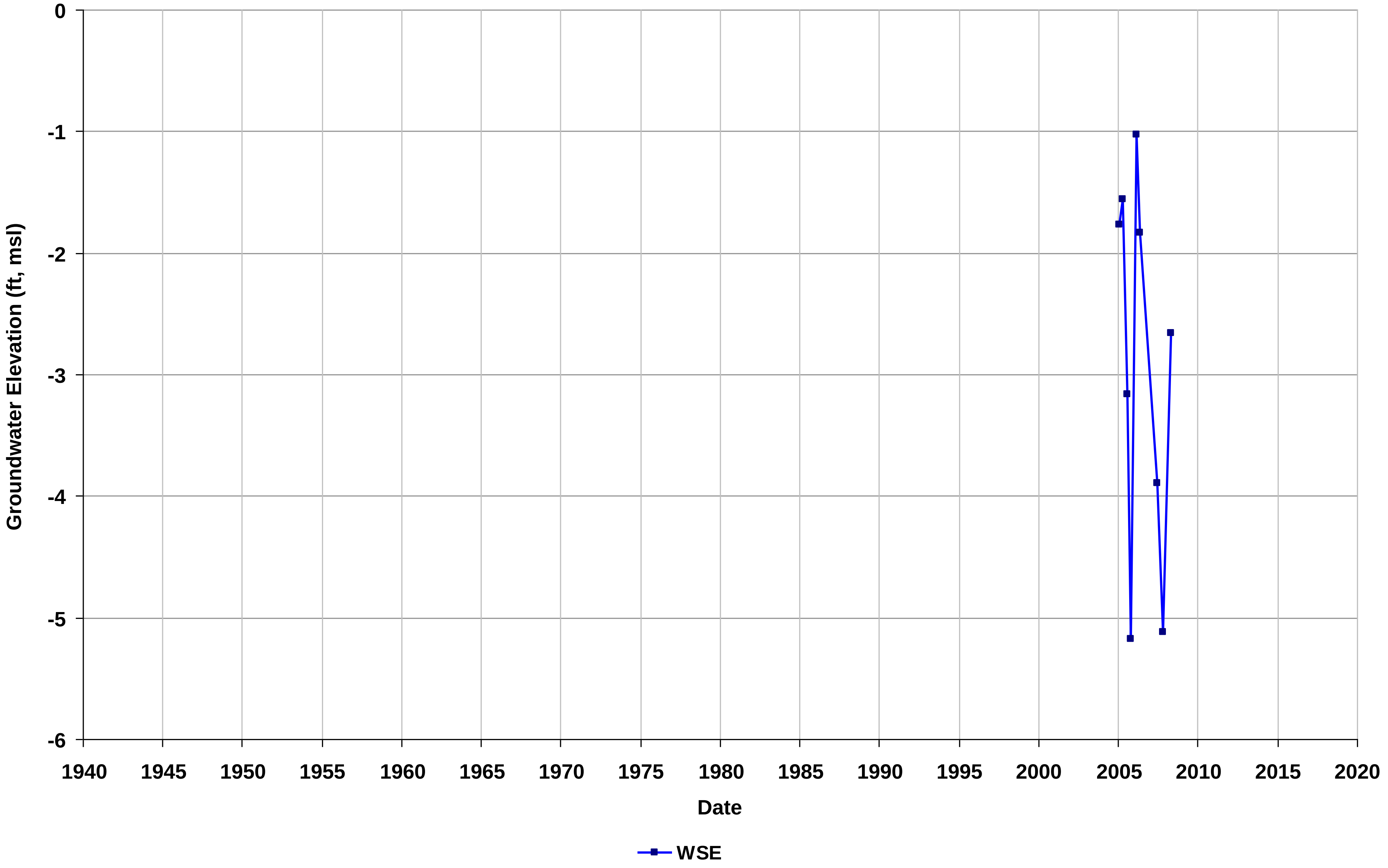
Well Name: SL599992806-HPMW-1
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 3-10
T/R/S: 02S/03W/33
Well Use: Observation



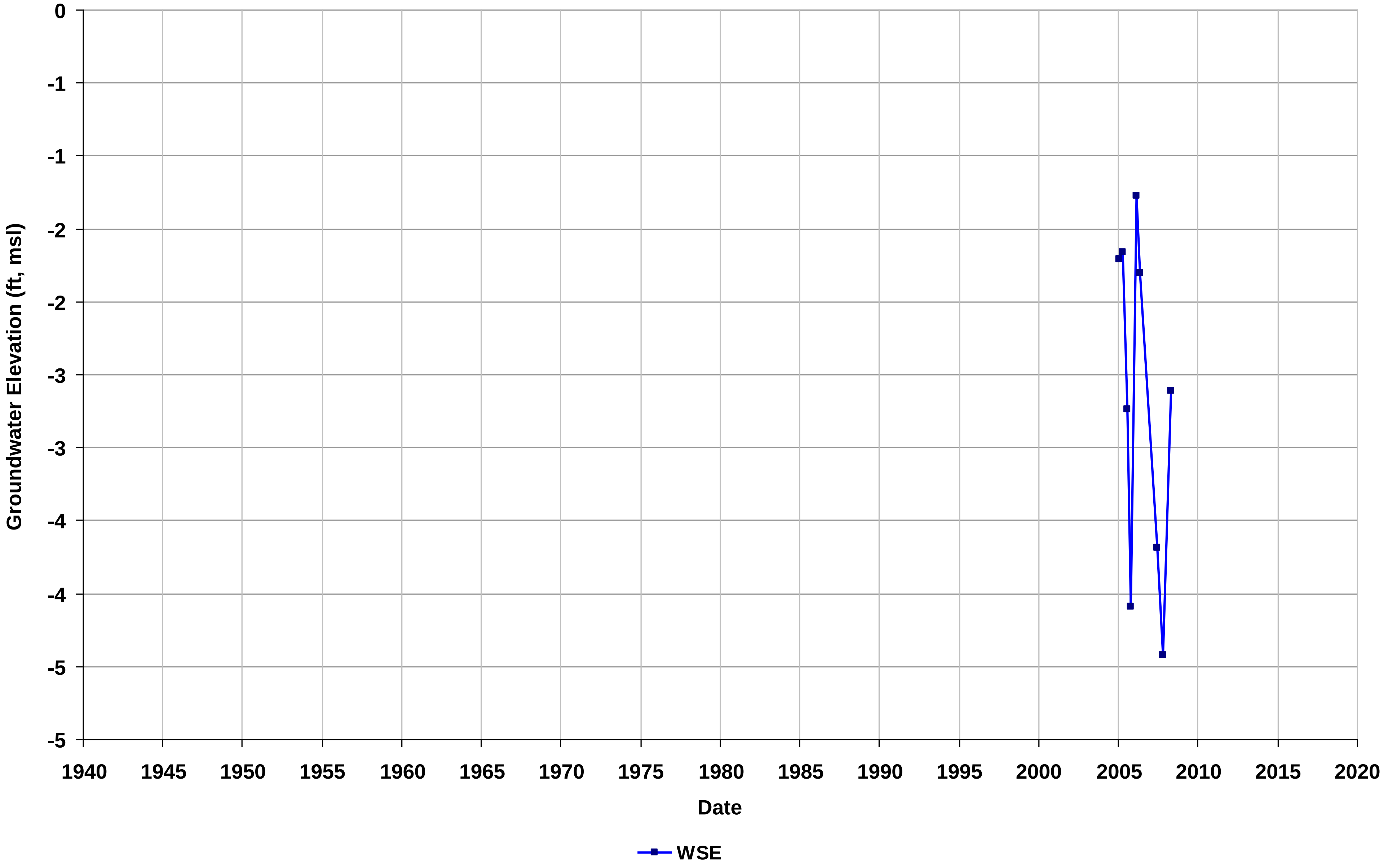
Well Name: SL599992806-HPMW-10
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 3-10
T/R/S: 02S/03W/33
Well Use: Observation



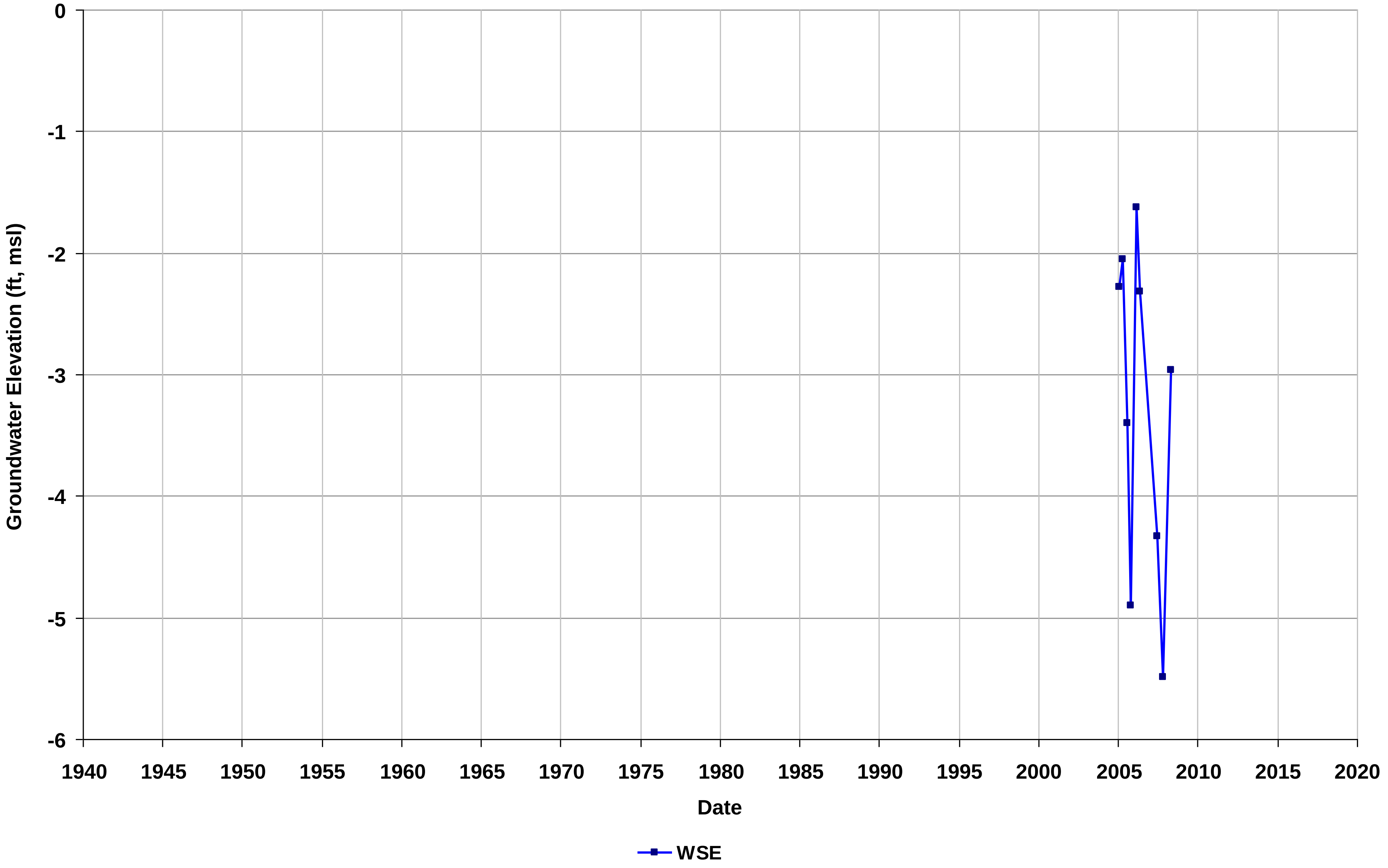
Well Name: SL599992806-HPMW-2
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 3-10
T/R/S: 02S/03W/33
Well Use: Observation



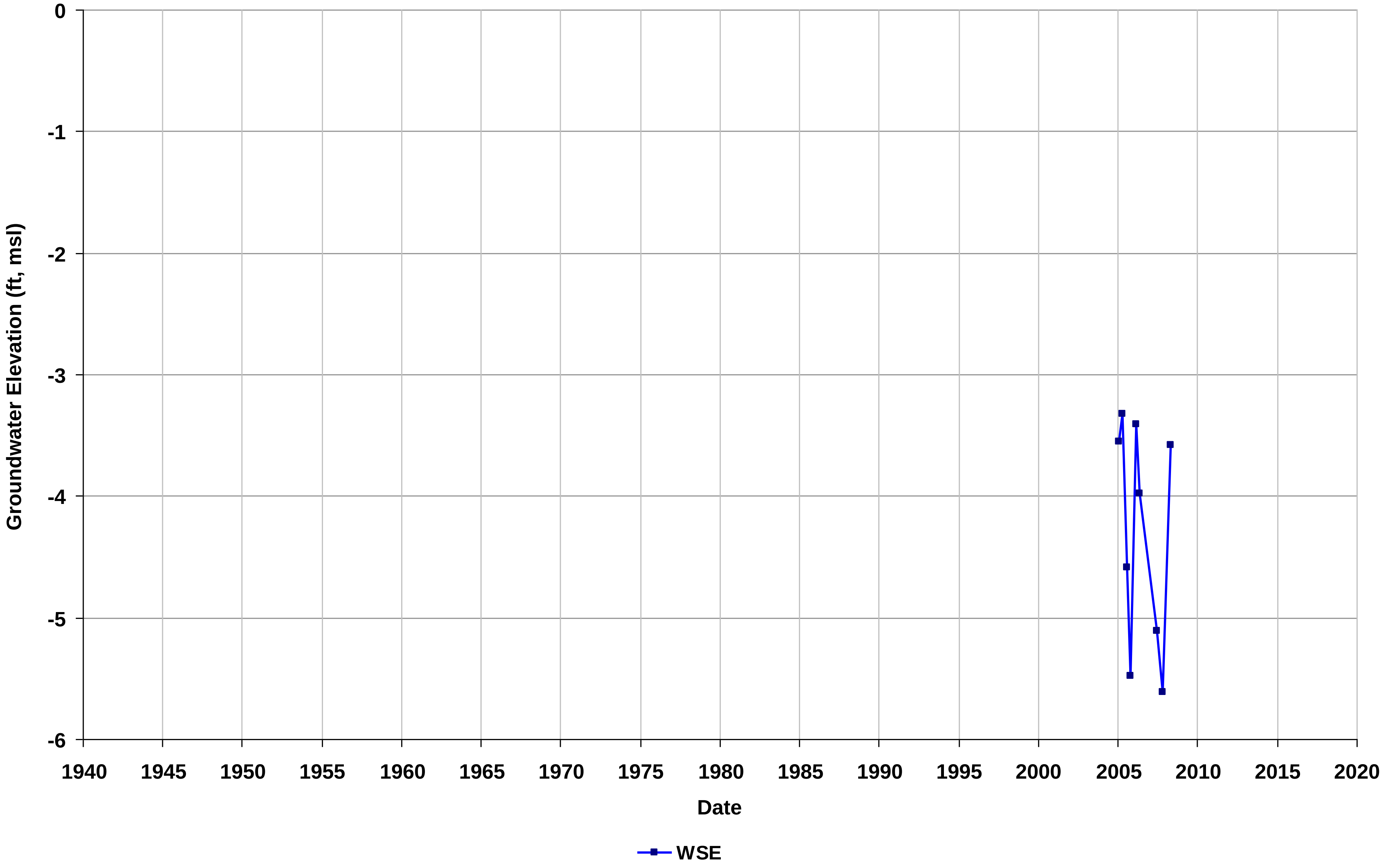
Well Name: SL599992806-HPMW-3
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 3-10
T/R/S: 02S/03W/33
Well Use: Observation



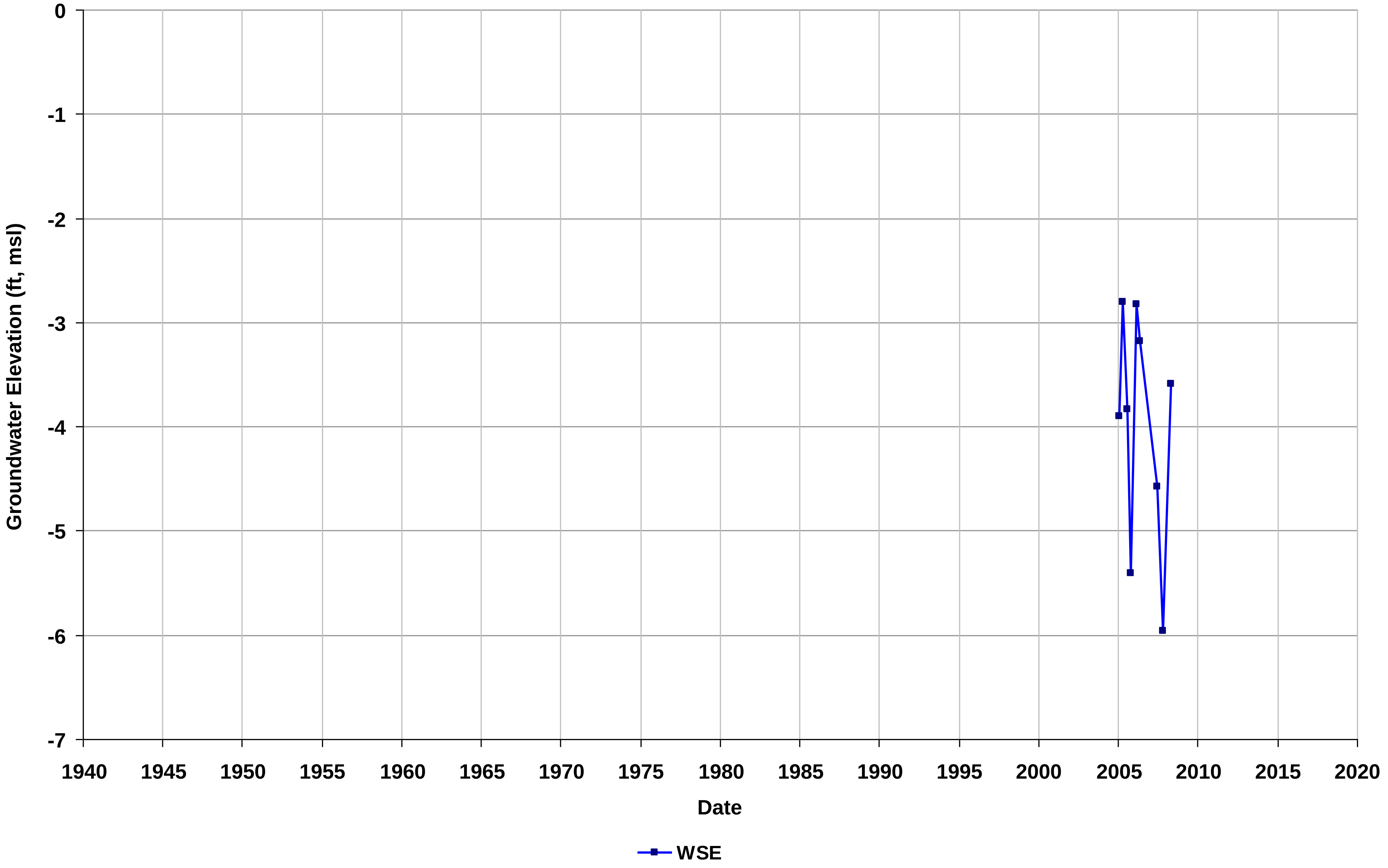
Well Name: SL599992806-HPMW-4
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 3-10
T/R/S: 02S/03W/33
Well Use: Observation



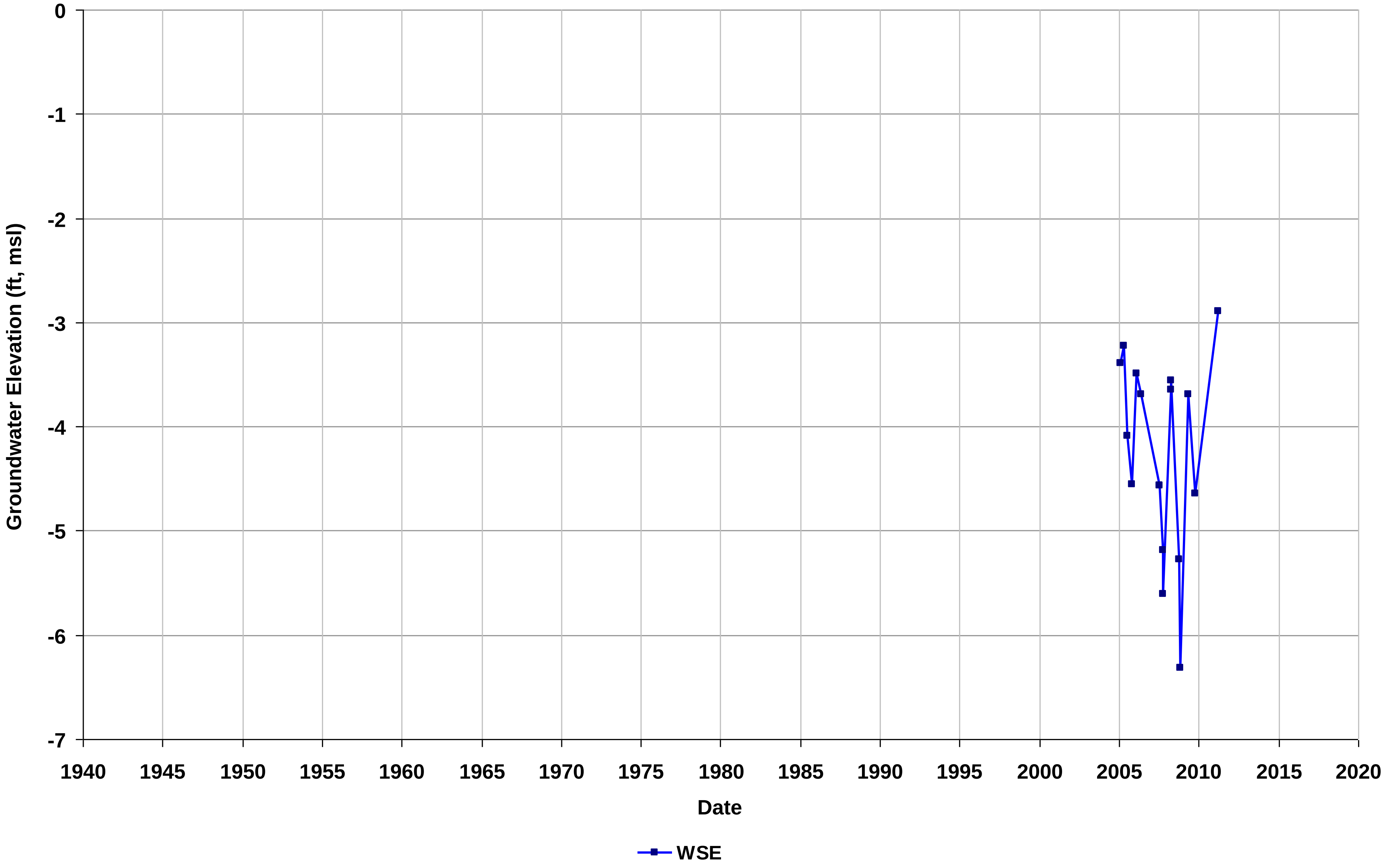
Well Name: SL599992806-HPMW-5
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 3-10
T/R/S: 02S/03W/33
Well Use: Observation



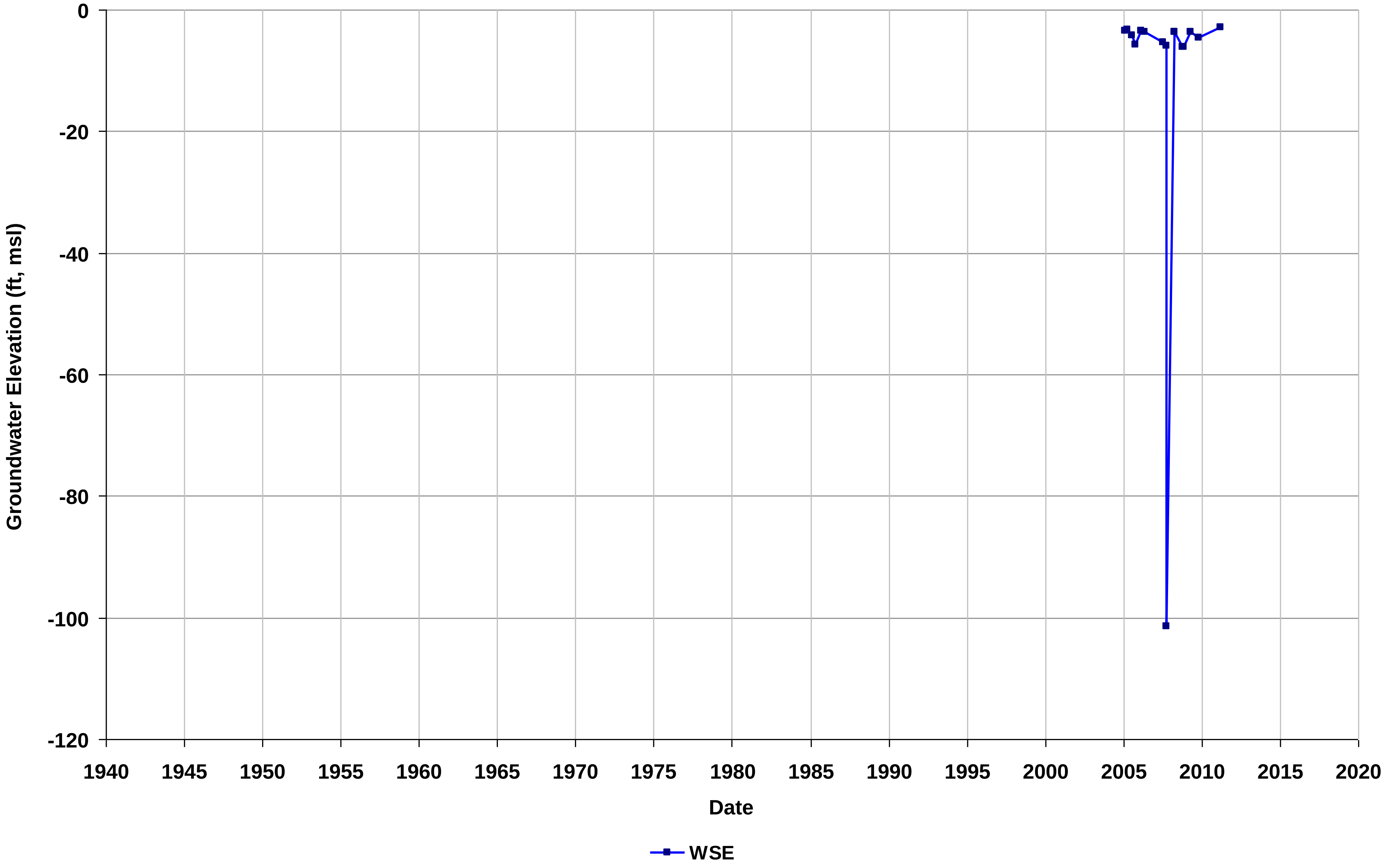
Well Name: SL599992806-HPMW-6
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 3-10
T/R/S: 02S/03W/33
Well Use: Observation



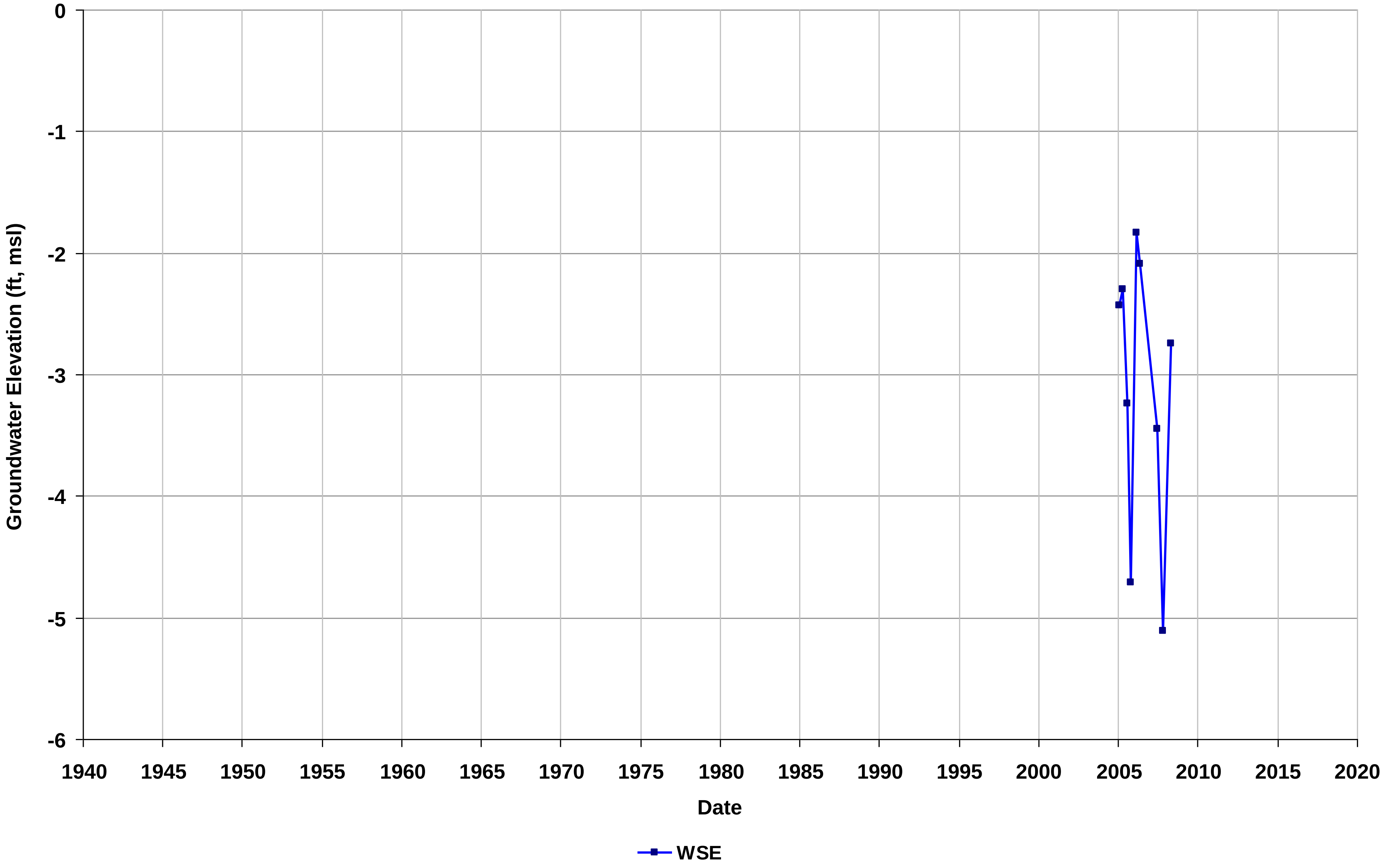
Well Name: SL599992806-HPMW-7
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 3-10
T/R/S: 02S/03W/33
Well Use: Observation



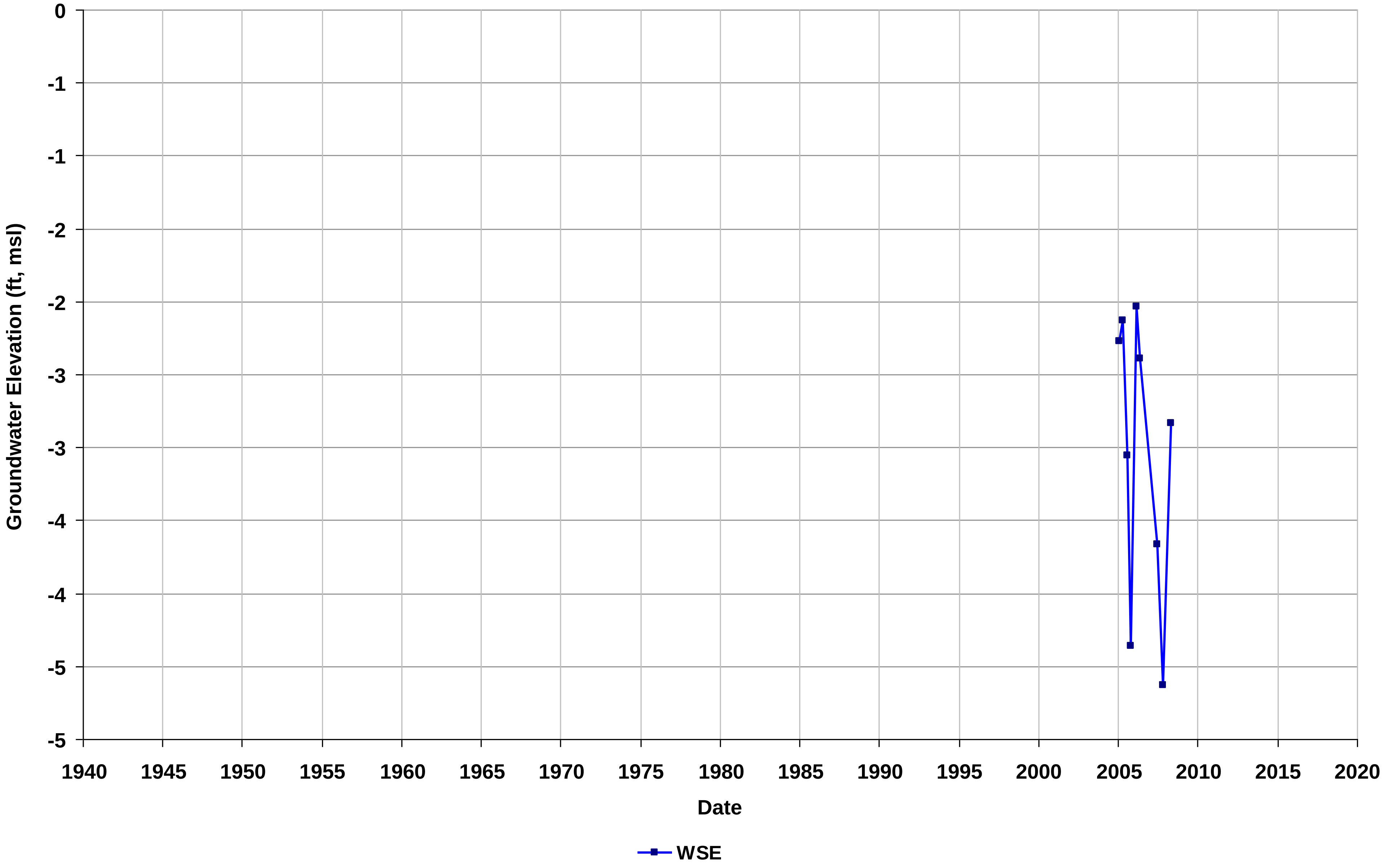
Well Name: SL599992806-HPMW-8
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 3-10
T/R/S: 02S/03W/33
Well Use: Observation



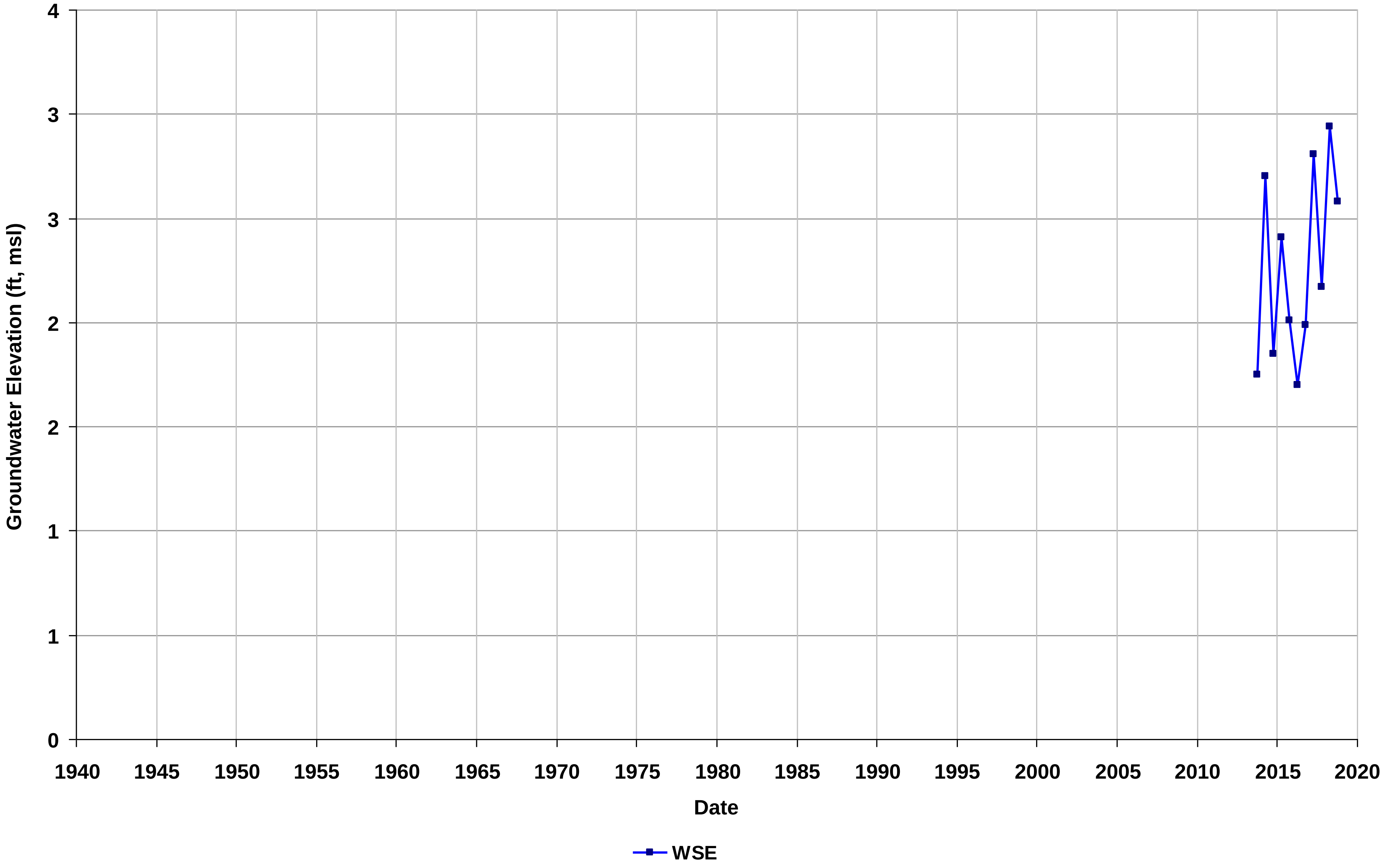
Well Name: SL599992806-HPMW-9
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 3-10
T/R/S: 02S/03W/33
Well Use: Observation



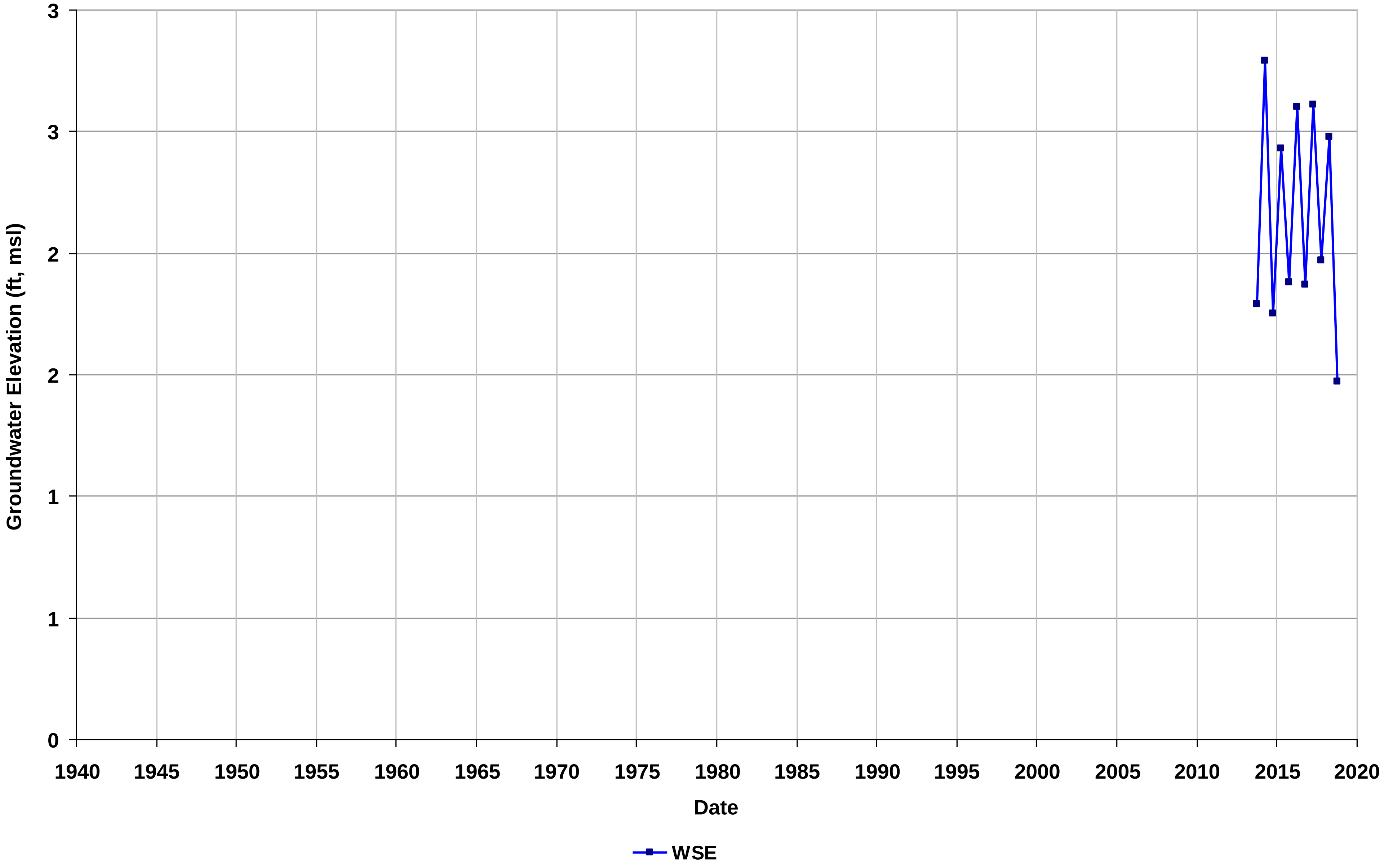
Well Name: SL599992806-MW-4R
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 3-13
T/R/S: 02S/03W/33
Well Use: Observation



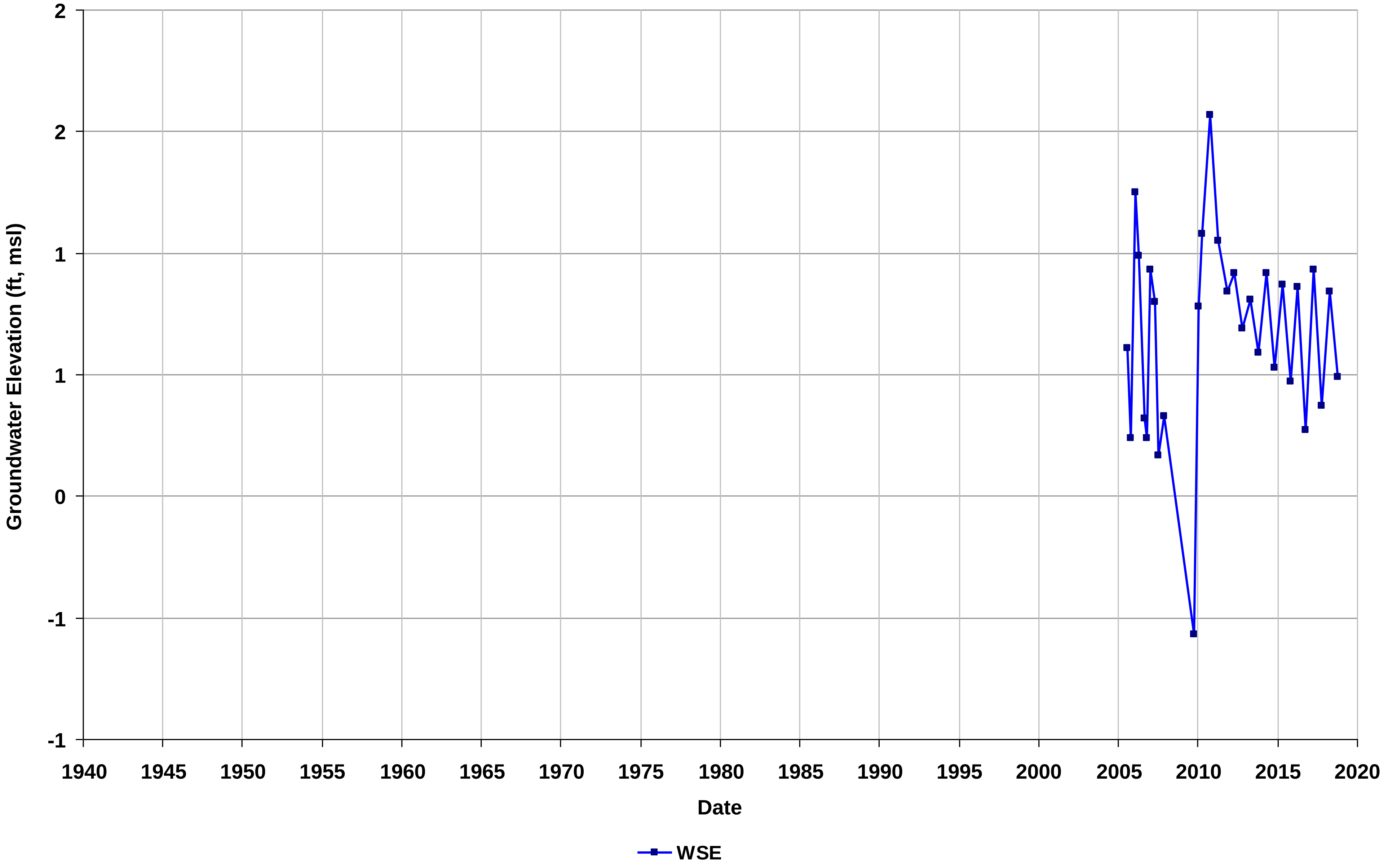
Well Name: SL599992806-MW-5R
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 3-13
T/R/S: 02S/03W/33
Well Use: Observation



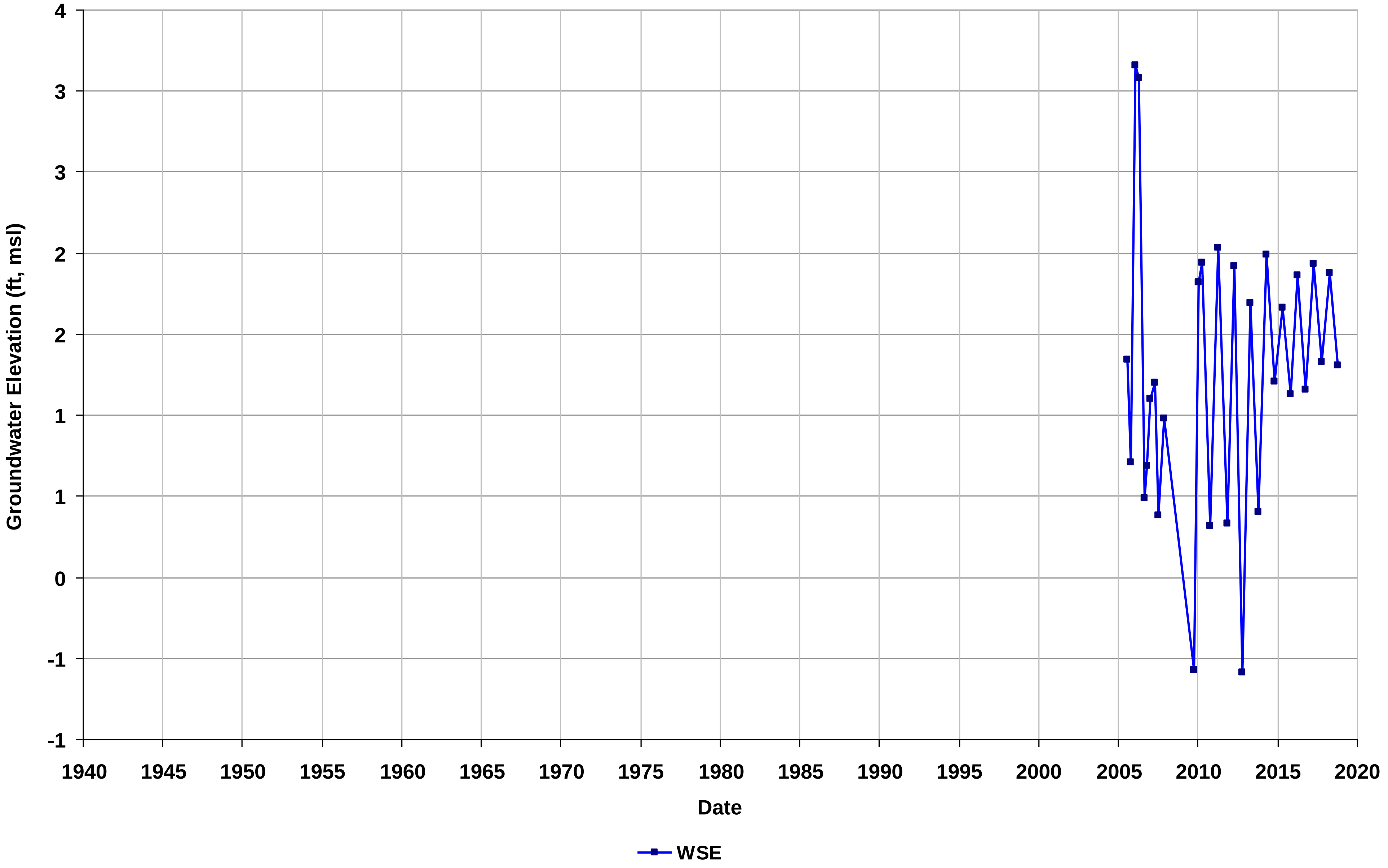
Well Name: SL599992806-MW-8
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 7.46-22
T/R/S: 02S/03W/33
Well Use: Observation



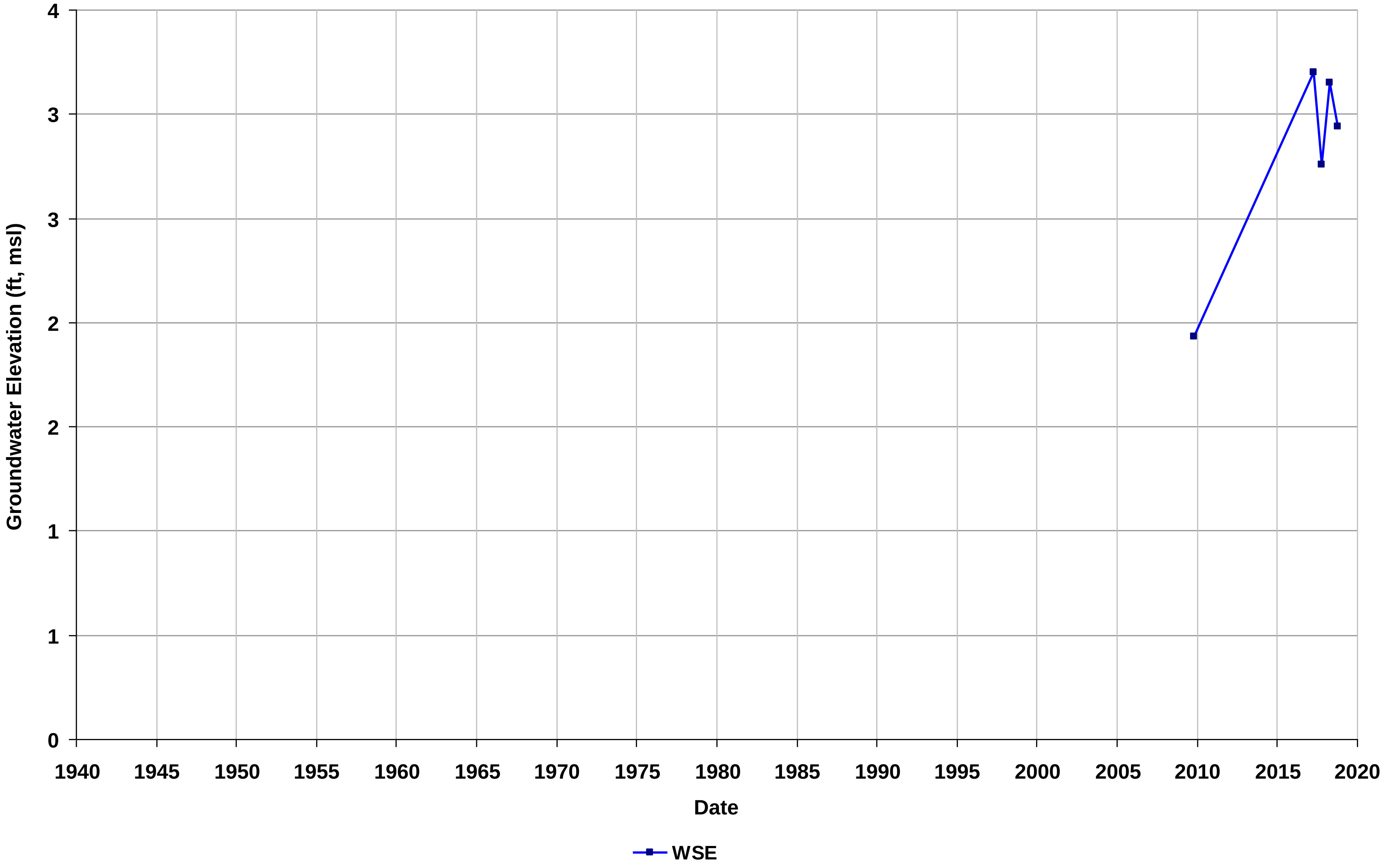
Well Name: SL599992806-MW-9
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5.29-20
T/R/S: 02S/03W/33
Well Use: Observation



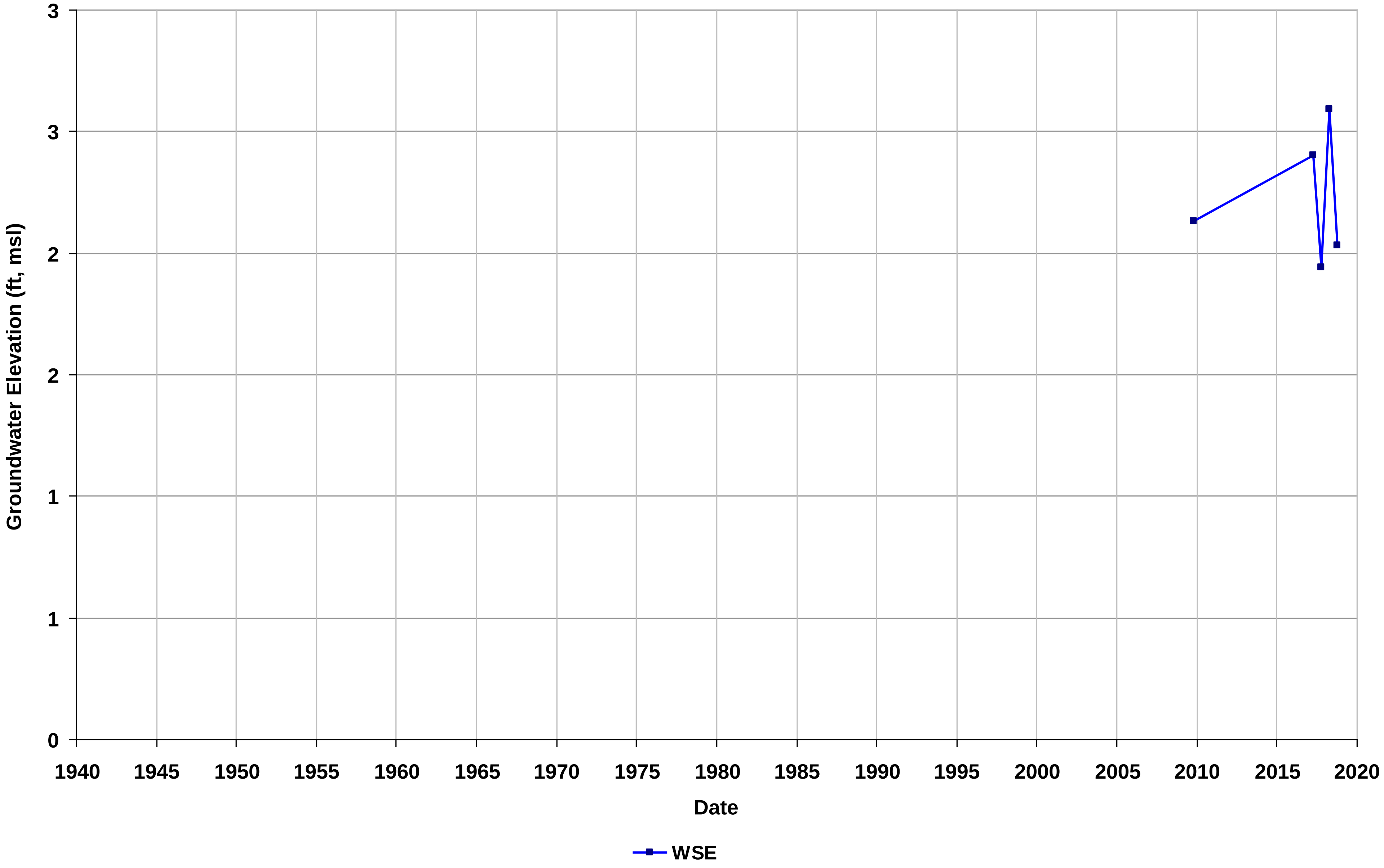
Well Name: SL599992806-PMW-1
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 4-10
T/R/S: 02S/03W/33
Well Use: Observation



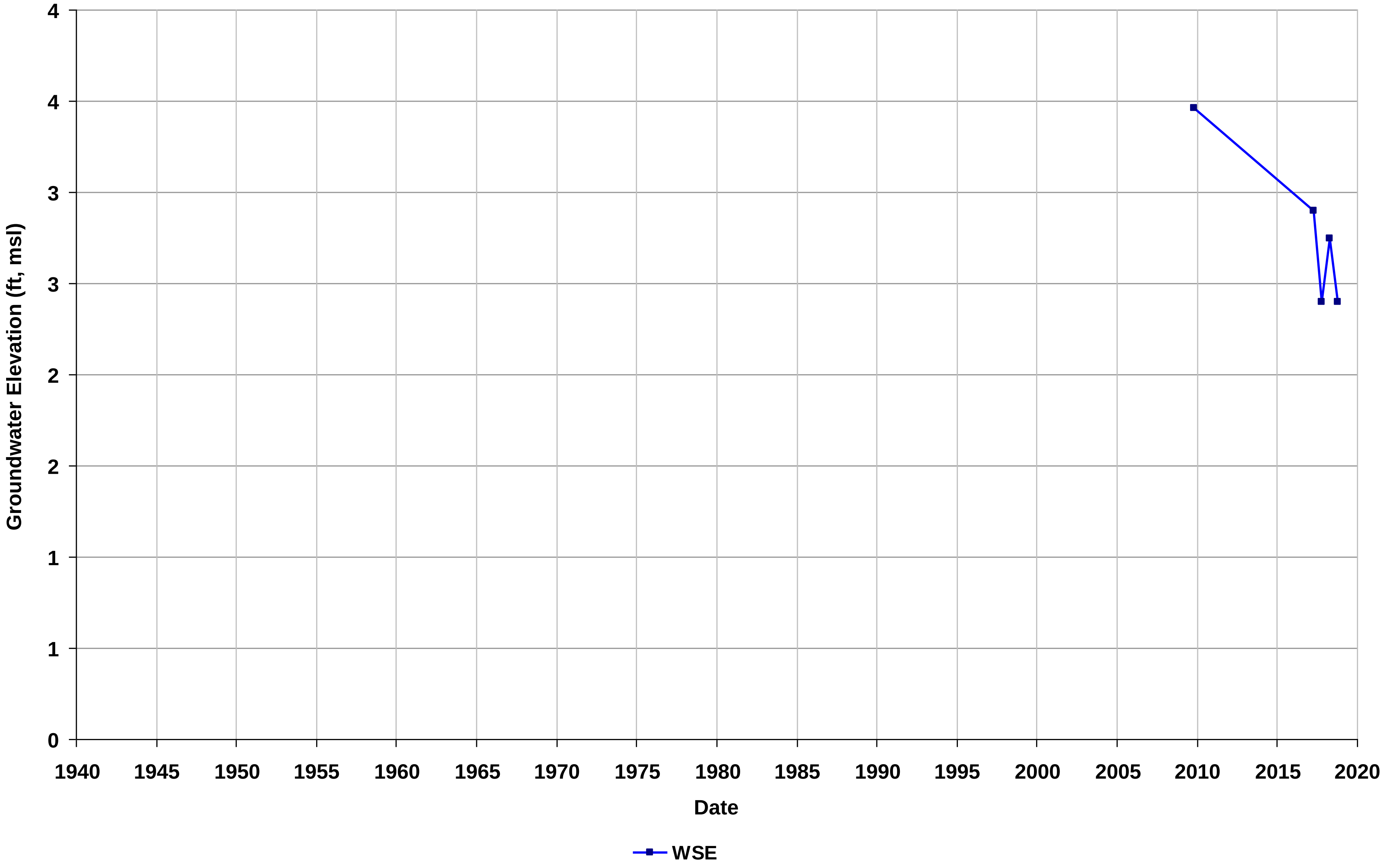
Well Name: SL599992806-PMW-2
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 3-9
T/R/S: 02S/03W/33
Well Use: Observation



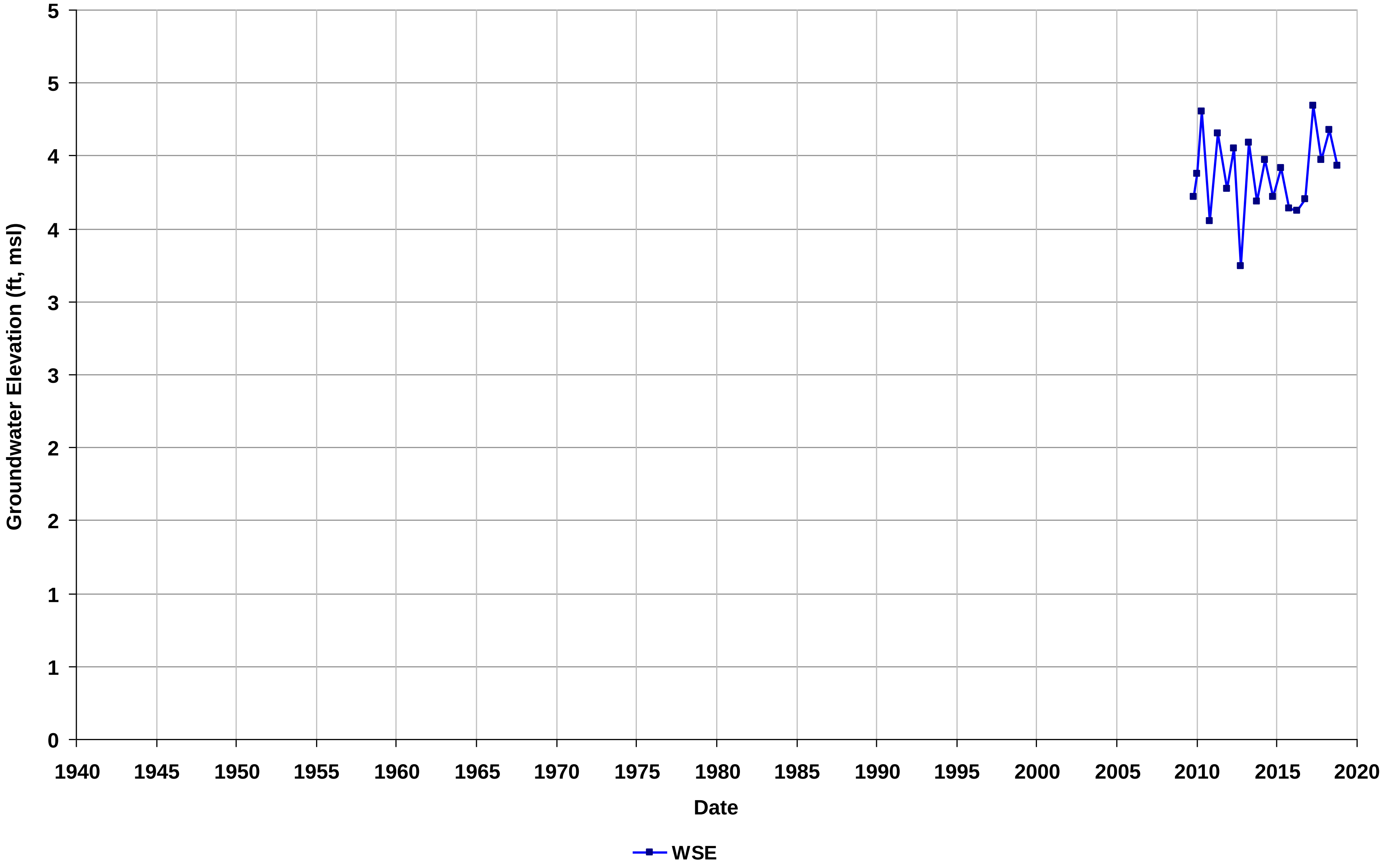
Well Name: SL599992806-PMW-3
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 3-9
T/R/S: 02S/03W/33
Well Use: Observation



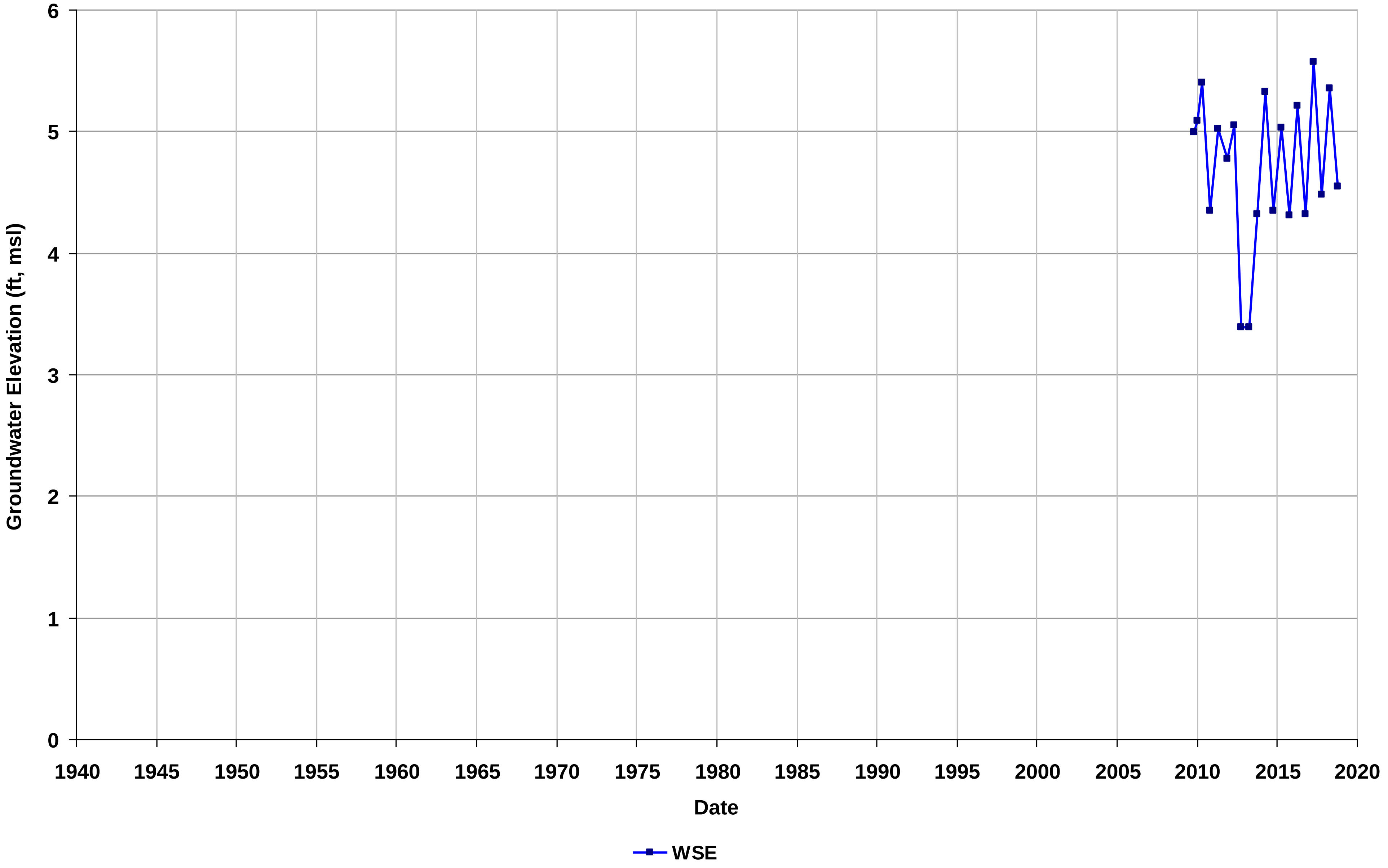
Well Name: SL599992806-PMW-4
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 10-12
T/R/S: 02S/03W/33
Well Use: Observation



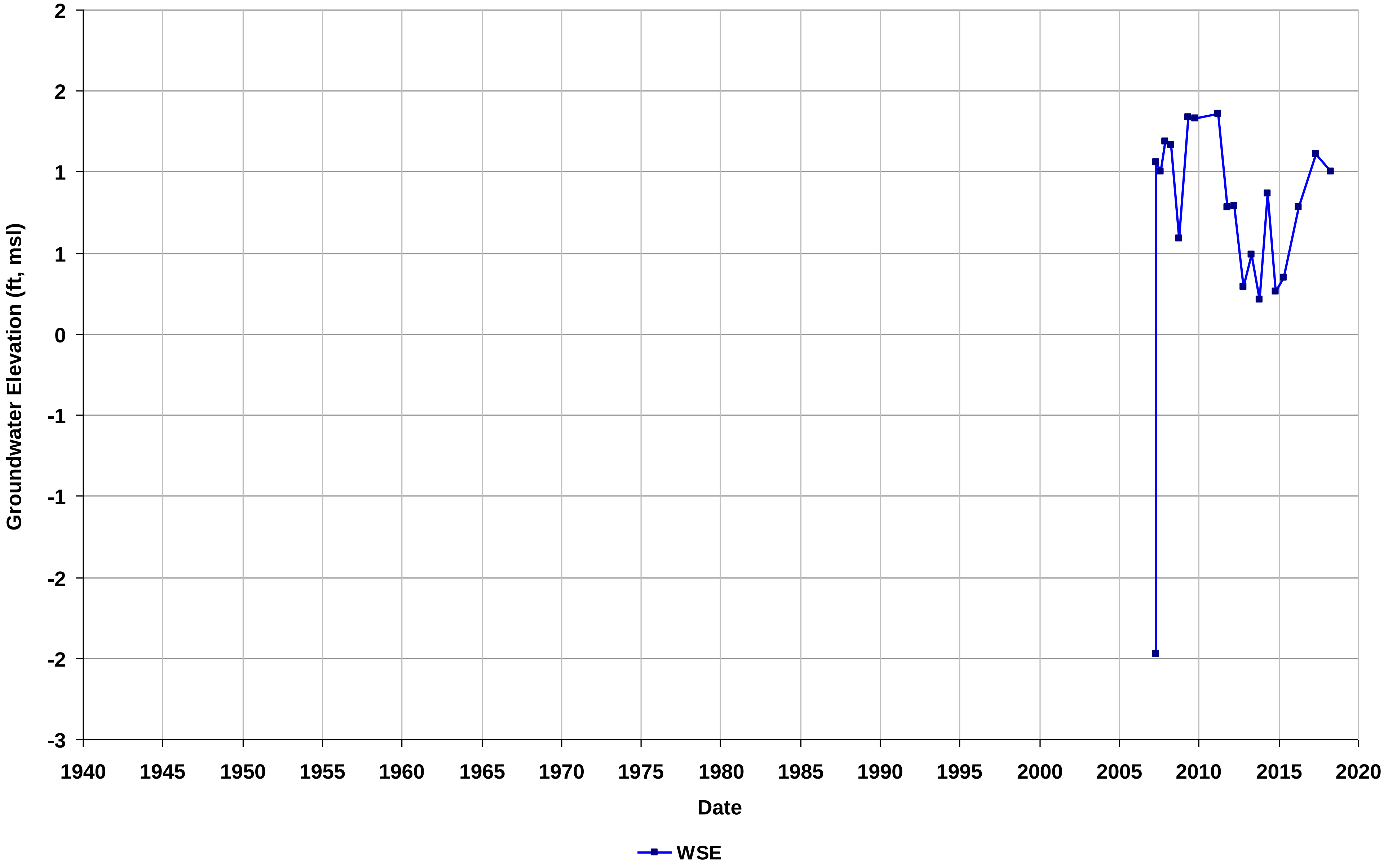
Well Name: SL599992806-PMW-5
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 10-12
T/R/S: 02S/03W/33
Well Use: Observation



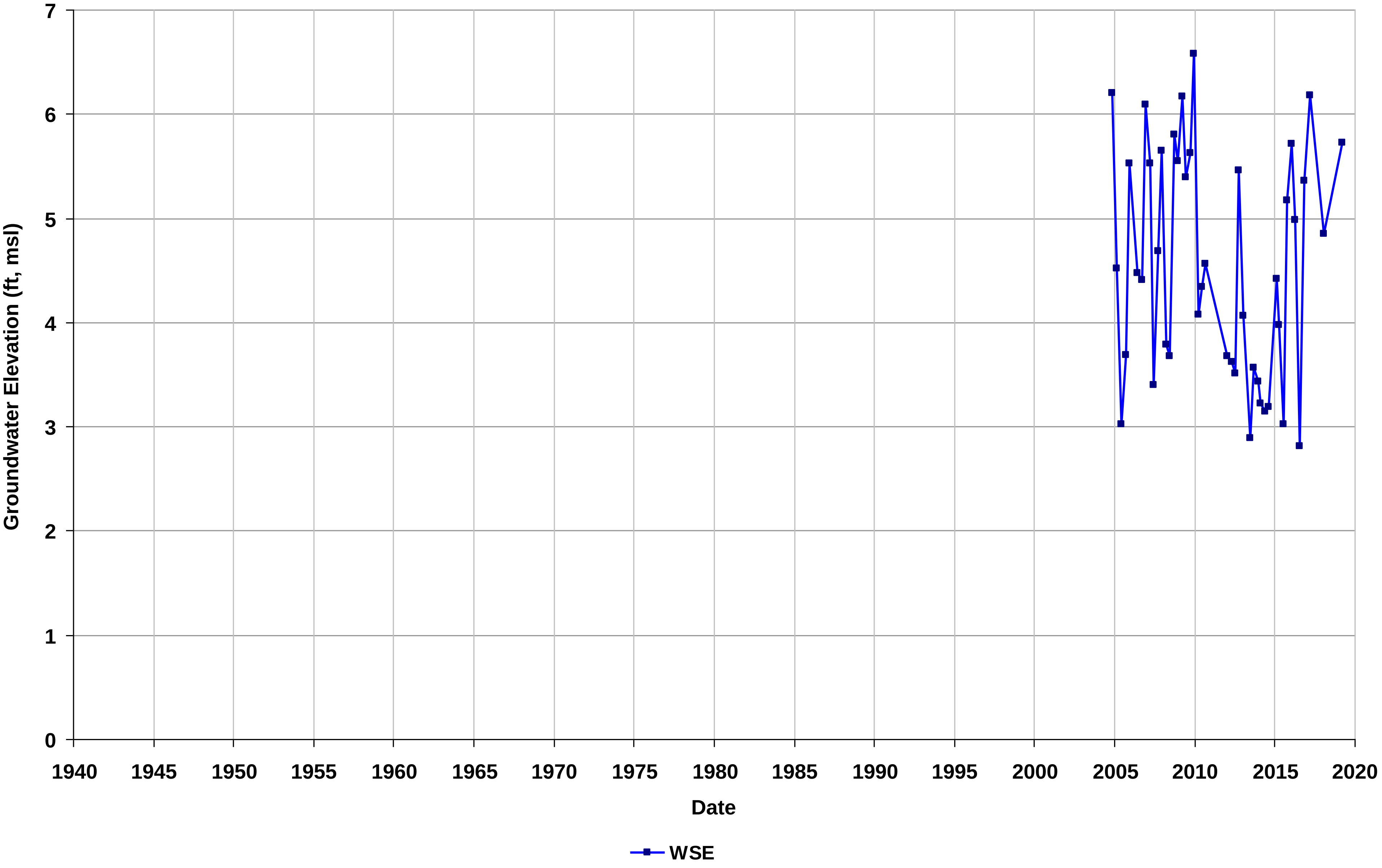
Well Name: SL599992806-WP-2R
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 7.5-14
T/R/S: 02S/03W/33
Well Use: Observation



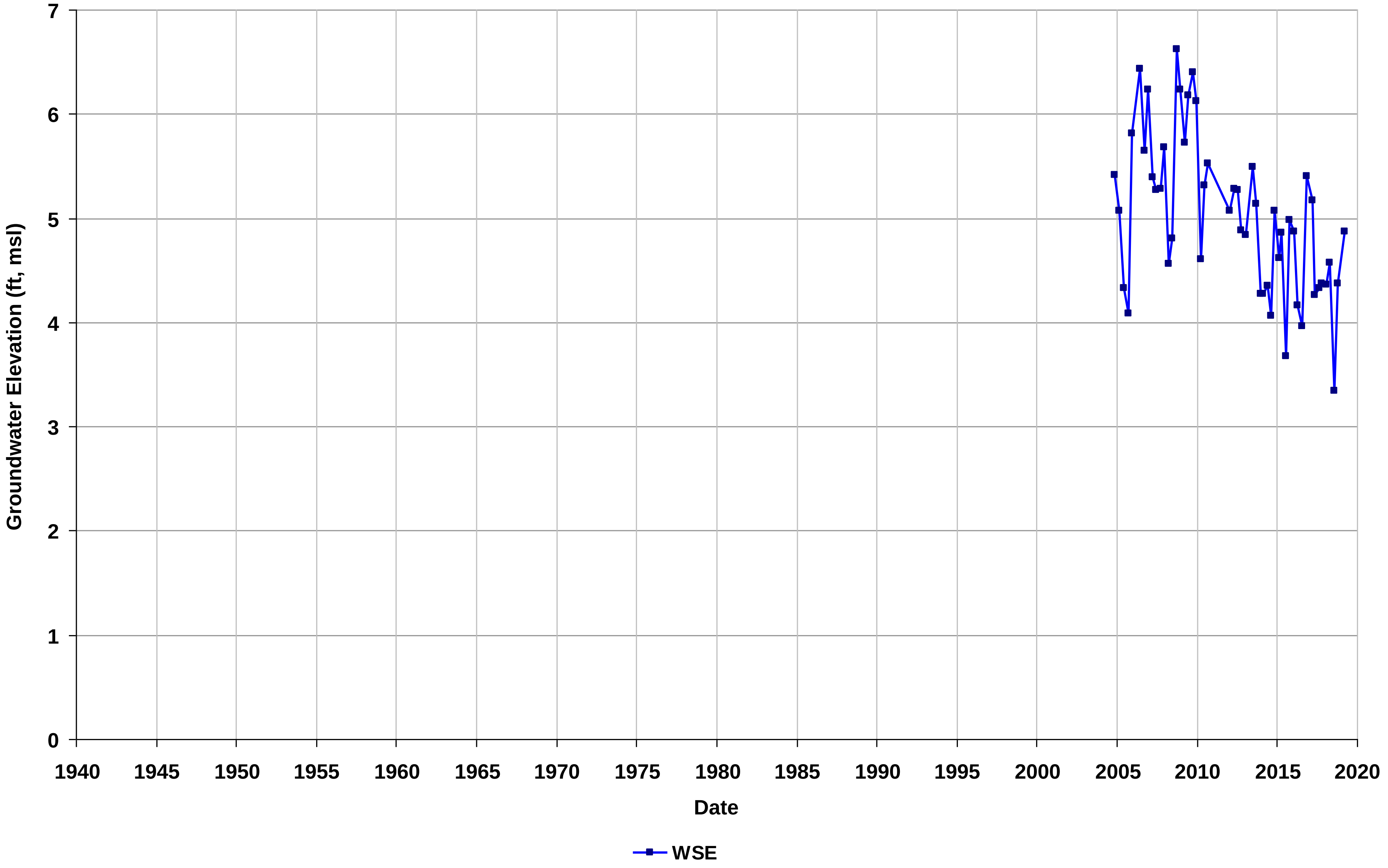
Well Name: SL600192789-LMW-1
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 18-23
T/R/S: 02S/03W/07
Well Use: Observation



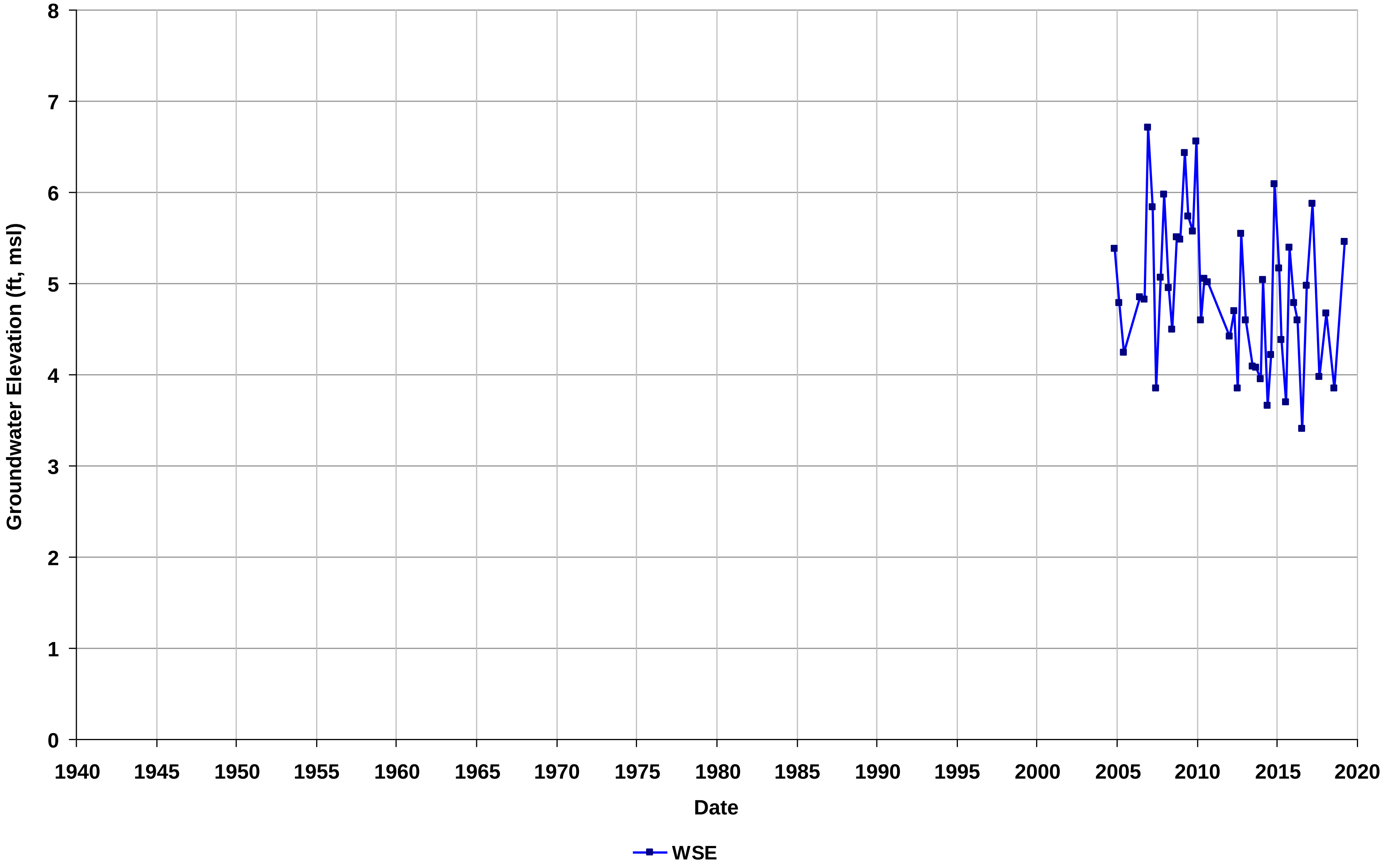
Well Name: SL600192789-LMW-10
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 17-22
T/R/S: 02S/03W/07
Well Use: Observation



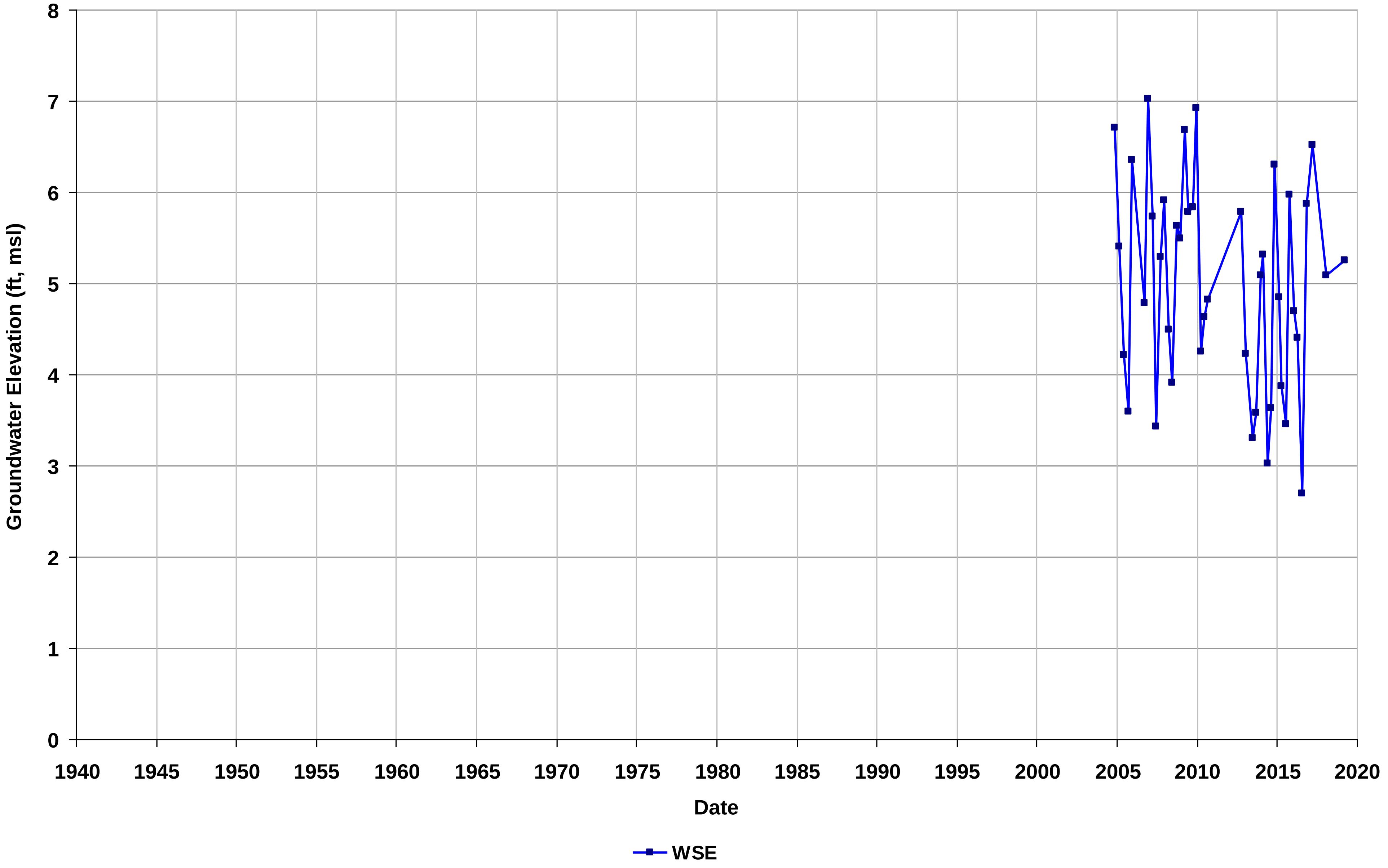
Well Name: SL600192789-LMW-11
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 17.5-22
T/R/S: 02S/03W/07
Well Use: Observation



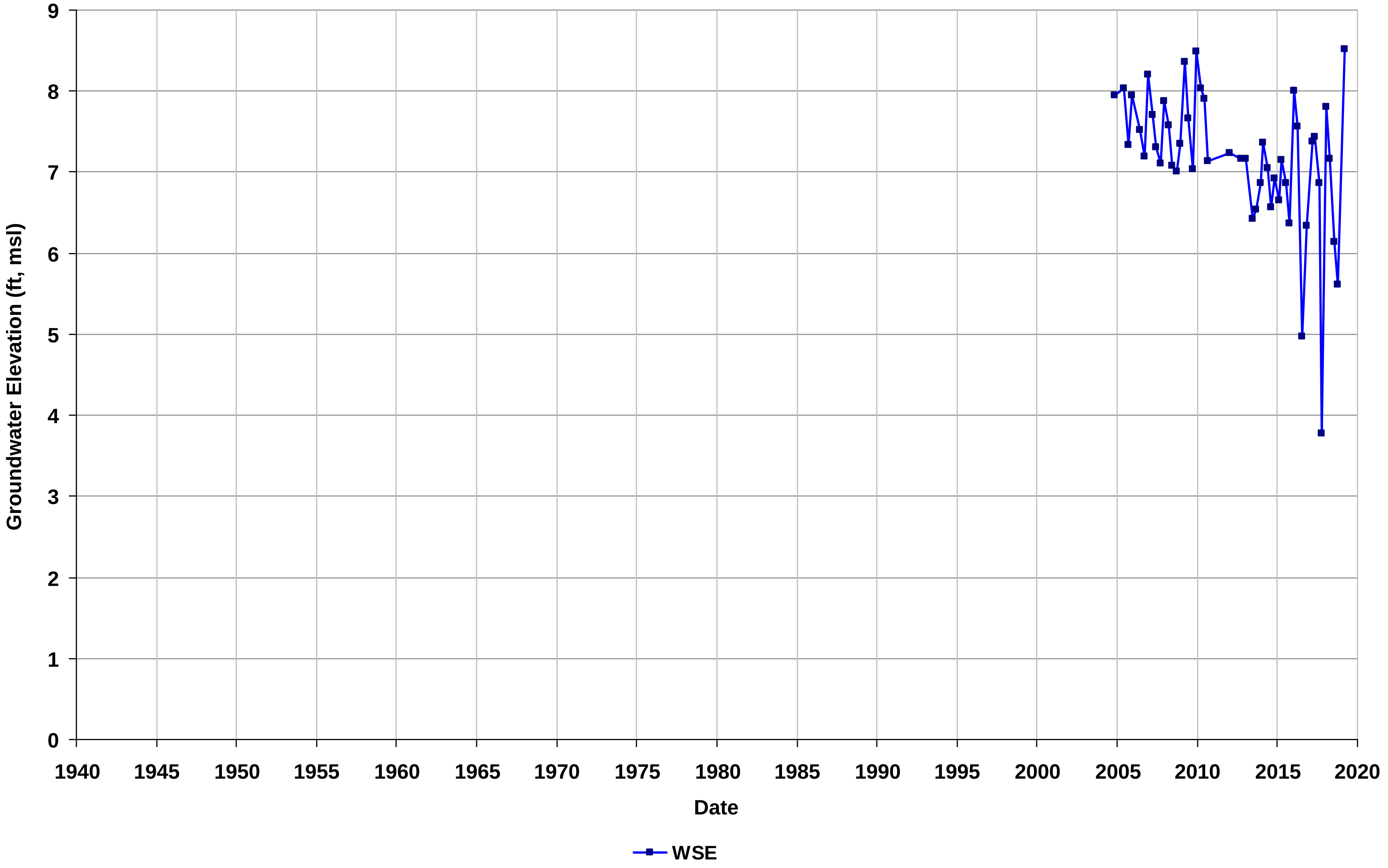
Well Name: SL600192789-LMW-12
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 16-21
T/R/S: 02S/03W/07
Well Use: Observation



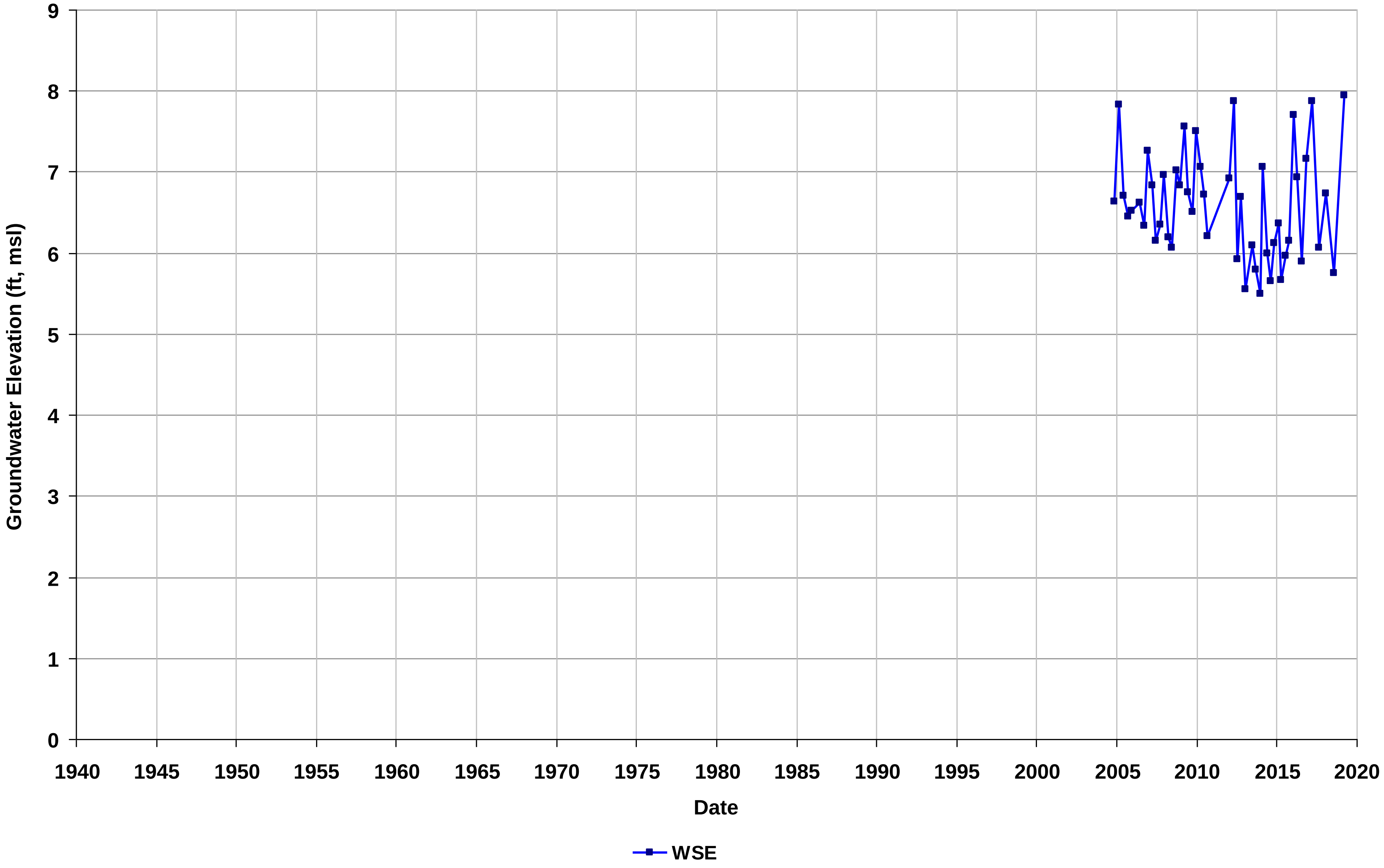
Well Name: SL600192789-LMW-13
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 16.5-22
T/R/S: 02S/03W/07
Well Use: Observation



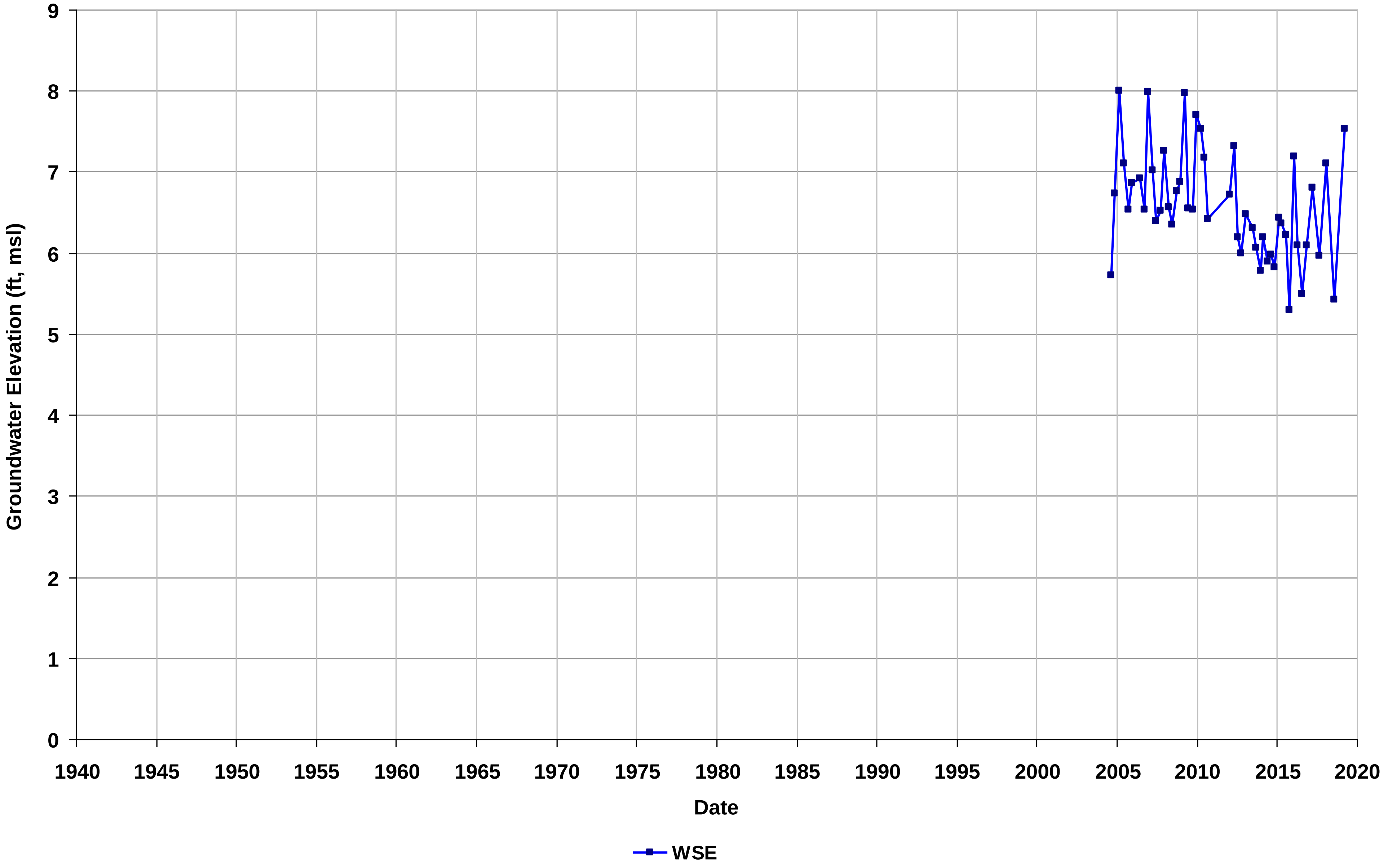
Well Name: SL600192789-LMW-14
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 18-23
T/R/S: 02S/03W/07
Well Use: Observation



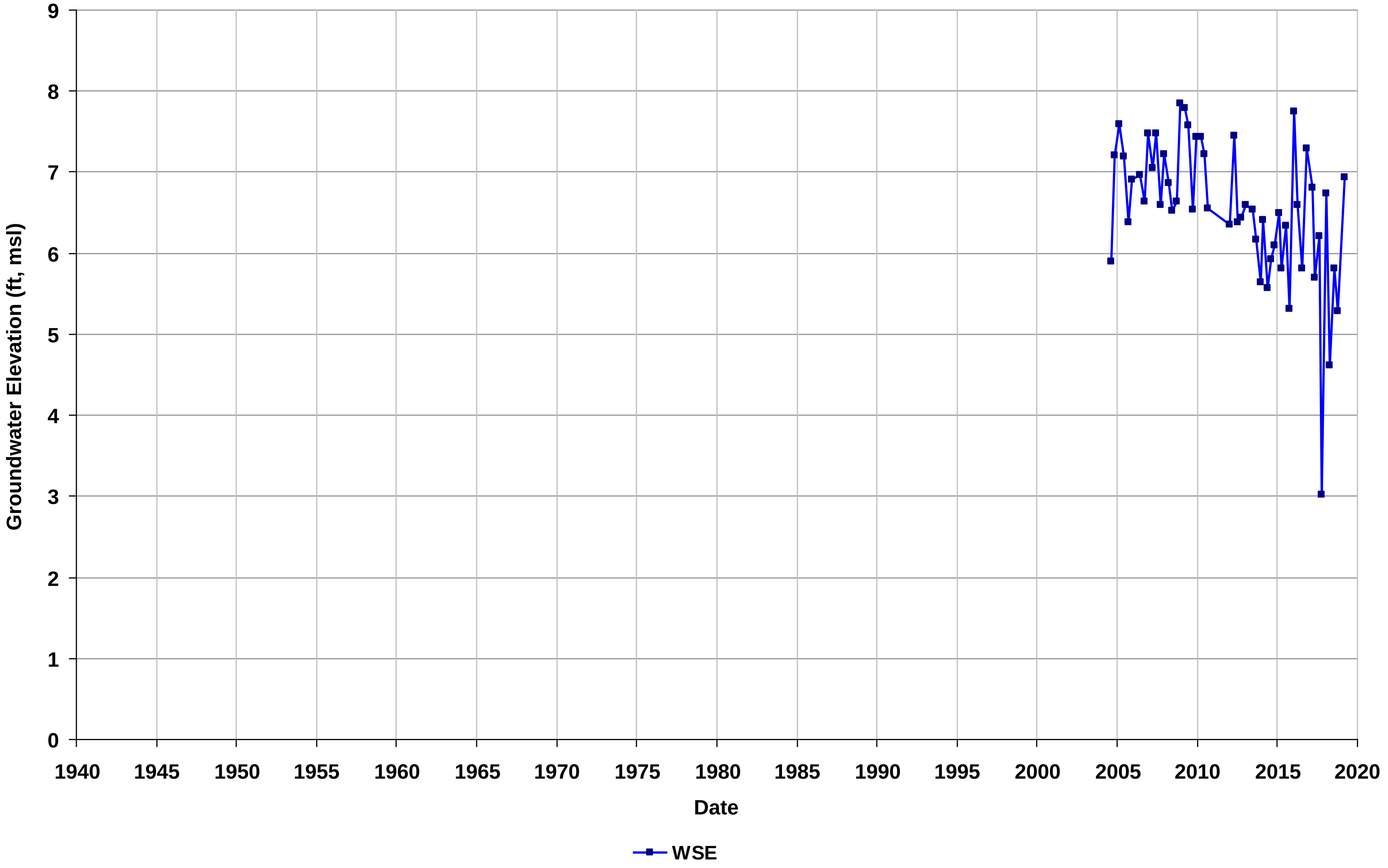
Well Name: SL600192789-LMW-15
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 18-23
T/R/S: 02S/03W/07
Well Use: Observation



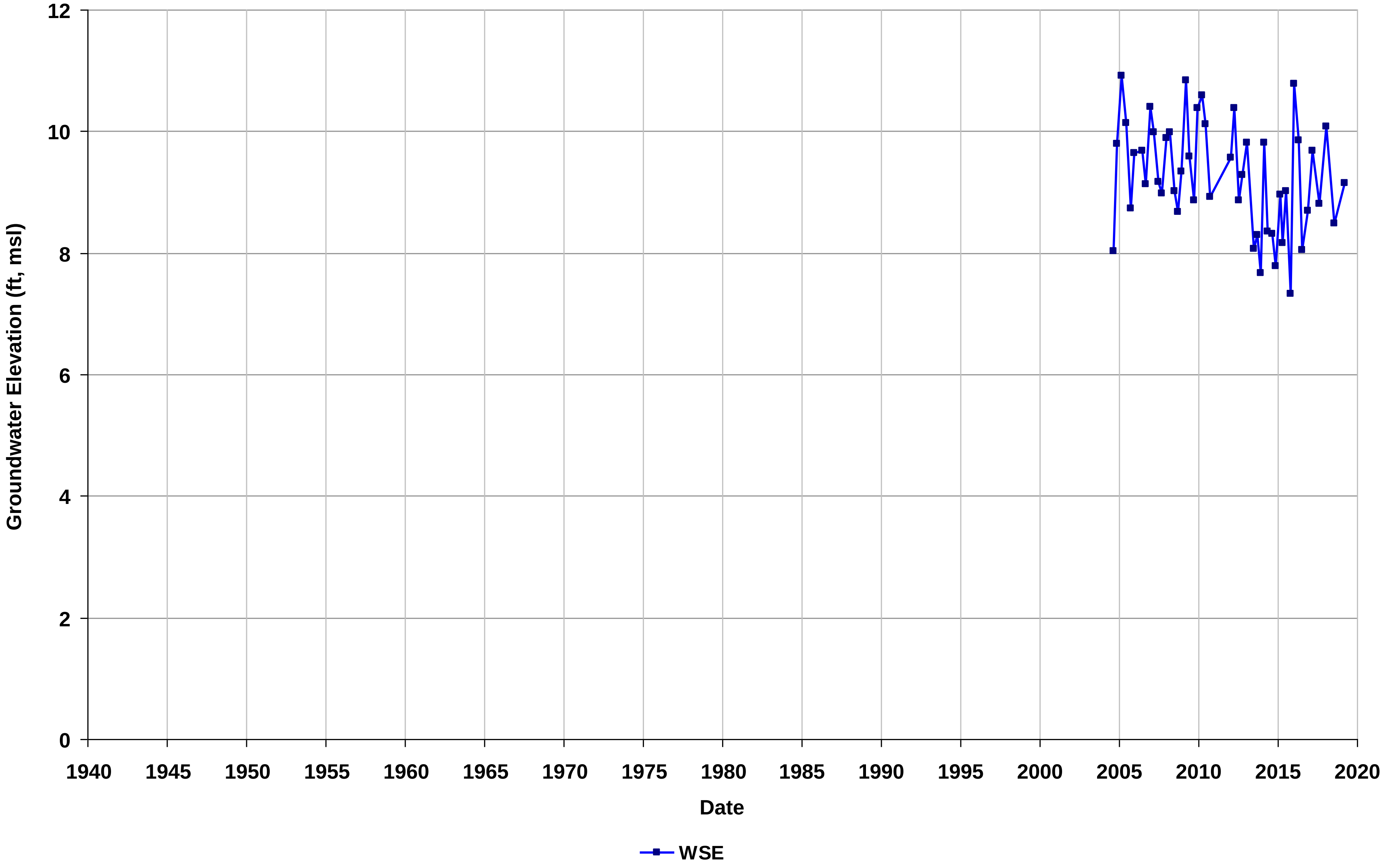
Well Name: SL600192789-LMW-16
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 18-23
T/R/S: 02S/03W/07
Well Use: Observation



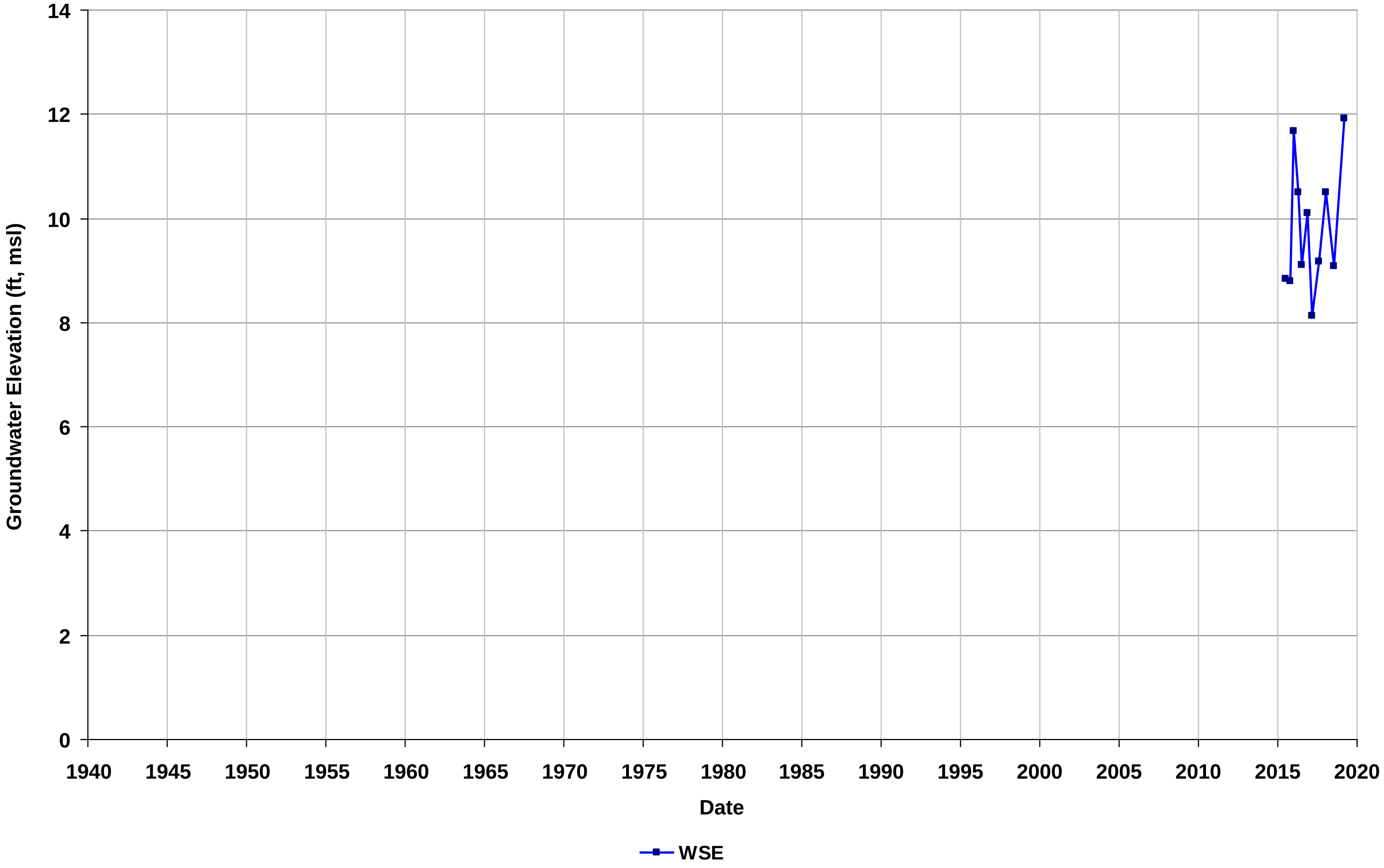
Well Name: SL600192789-LMW-17
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 18-23
T/R/S: 02S/03W/07
Well Use: Observation



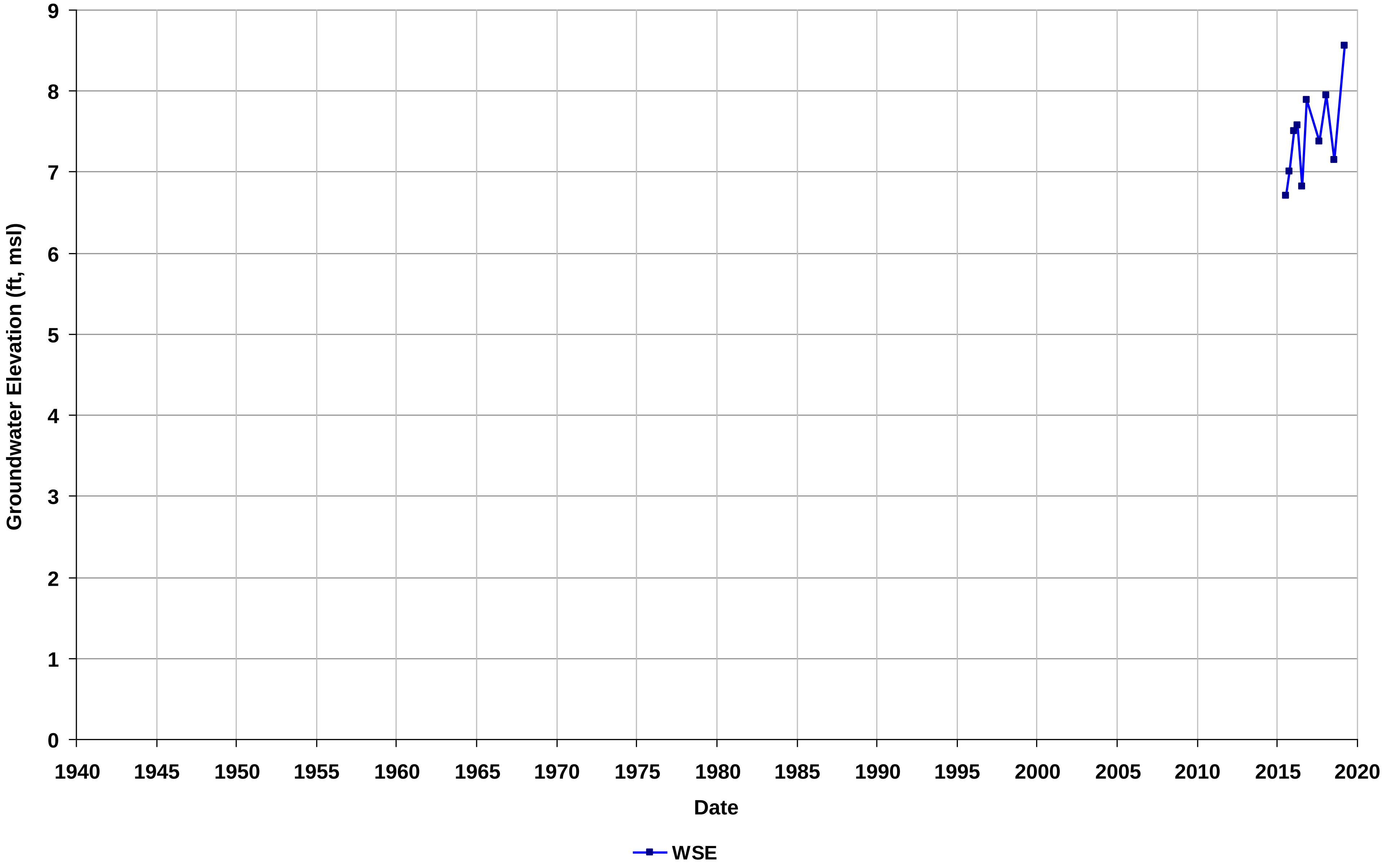
Well Name: SL600192789-LMW-18
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 13-18
T/R/S: 02S/03W/07
Well Use: Observation



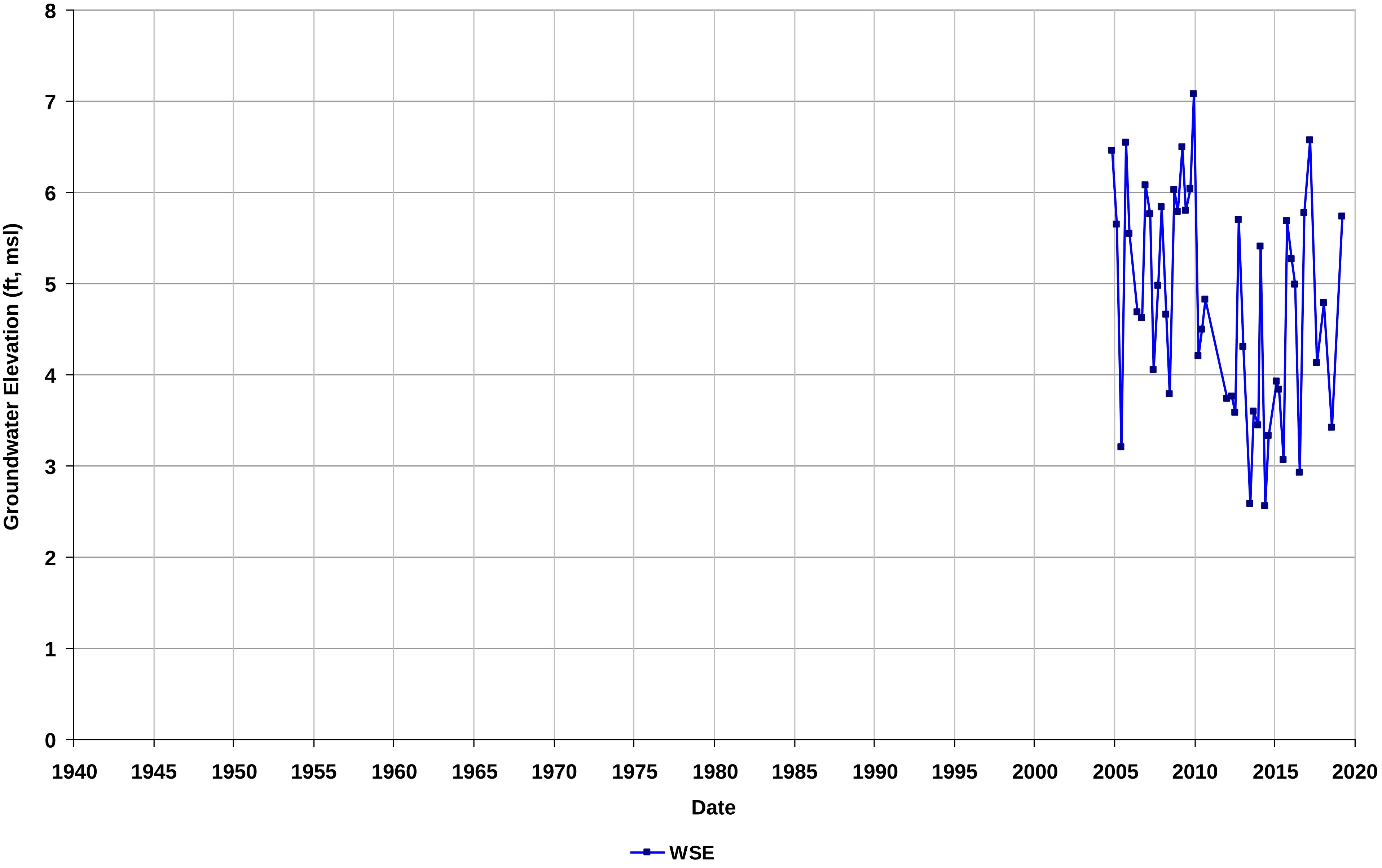
Well Name: SL600192789-LMW-19
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 11-16
T/R/S: 02S/03W/07
Well Use: Observation



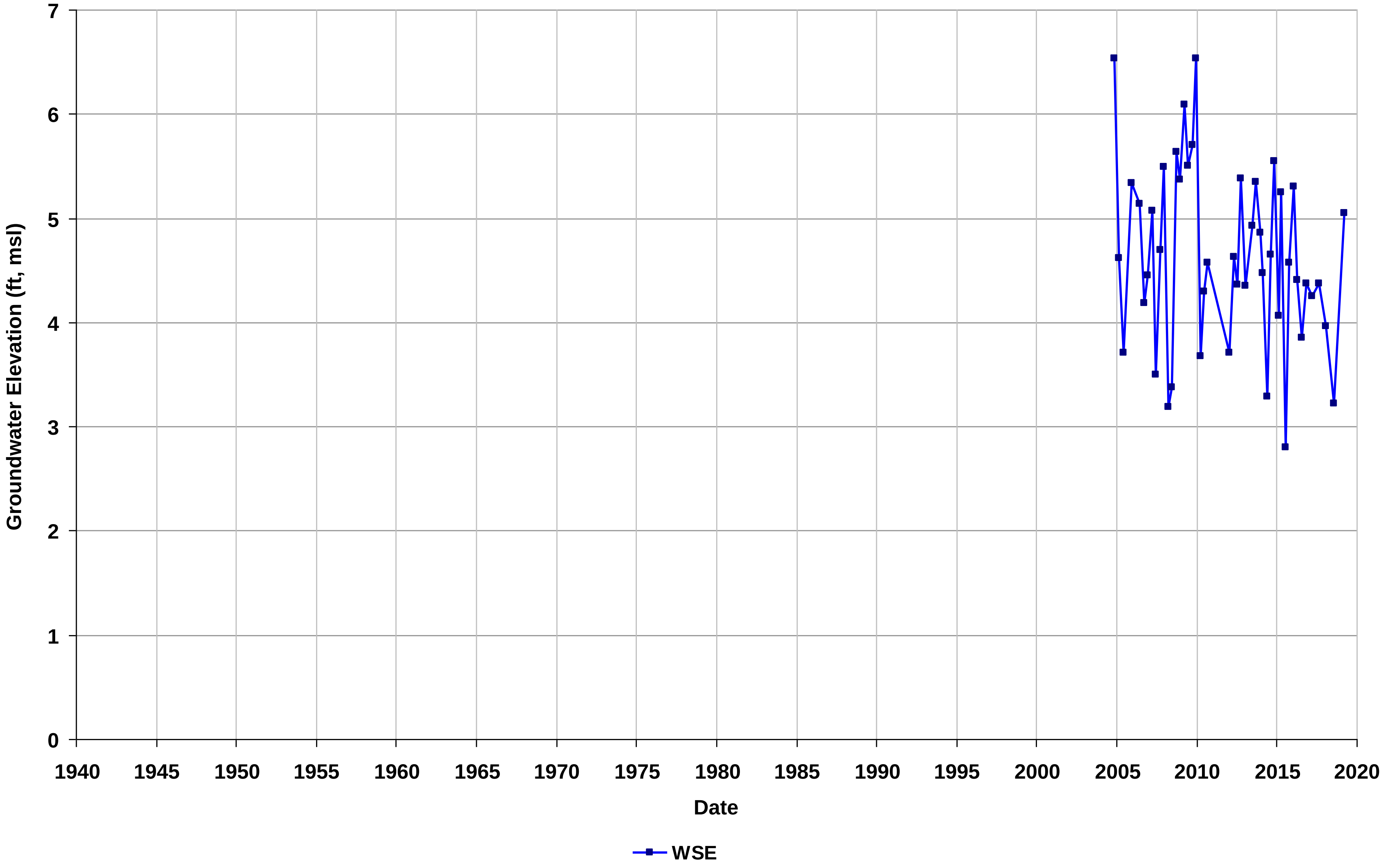
Well Name: SL600192789-LMW-2
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 17.5-22
T/R/S: 02S/03W/07
Well Use: Observation



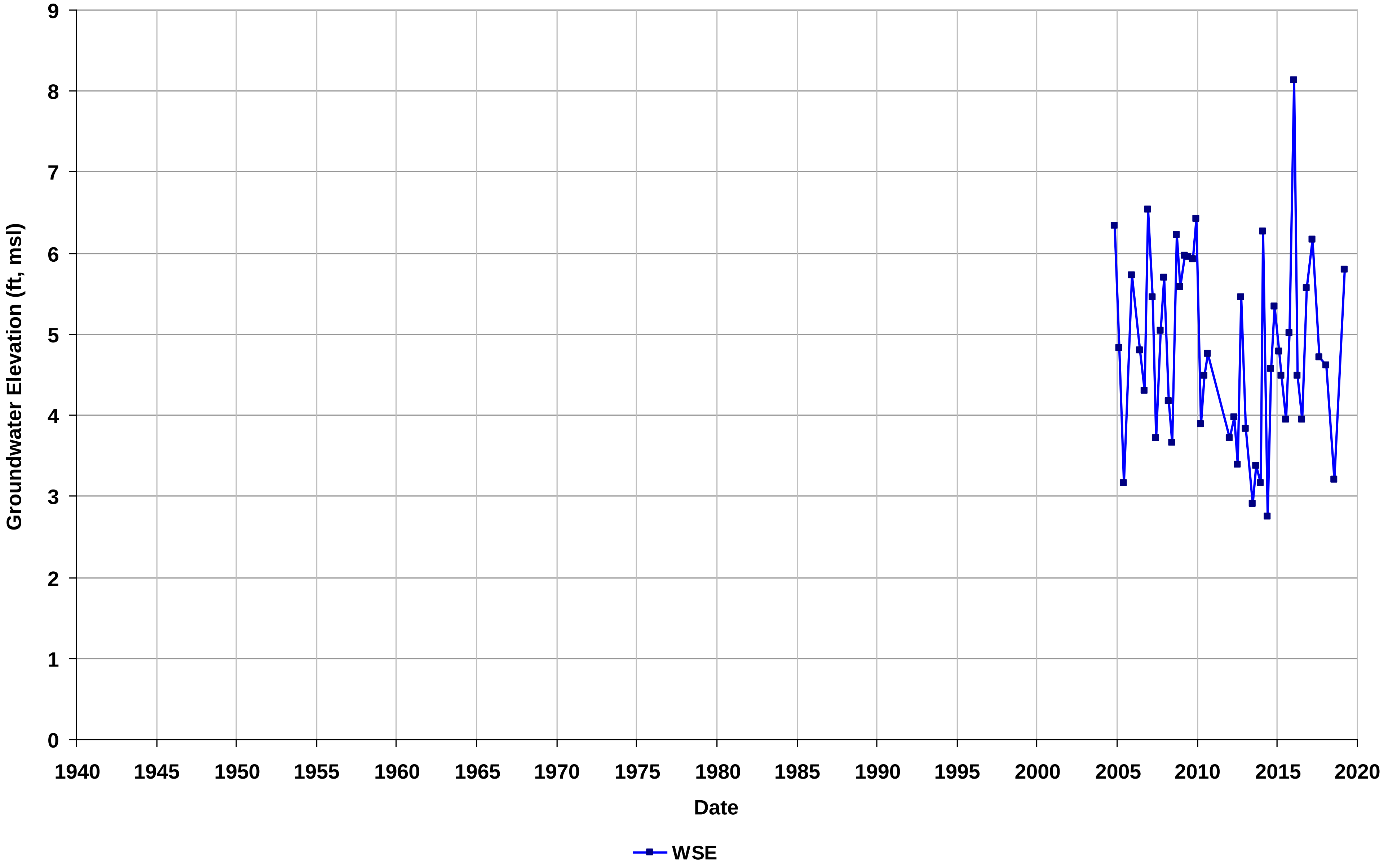
Well Name: SL600192789-LMW-3
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 17.5-22
T/R/S: 02S/03W/07
Well Use: Observation



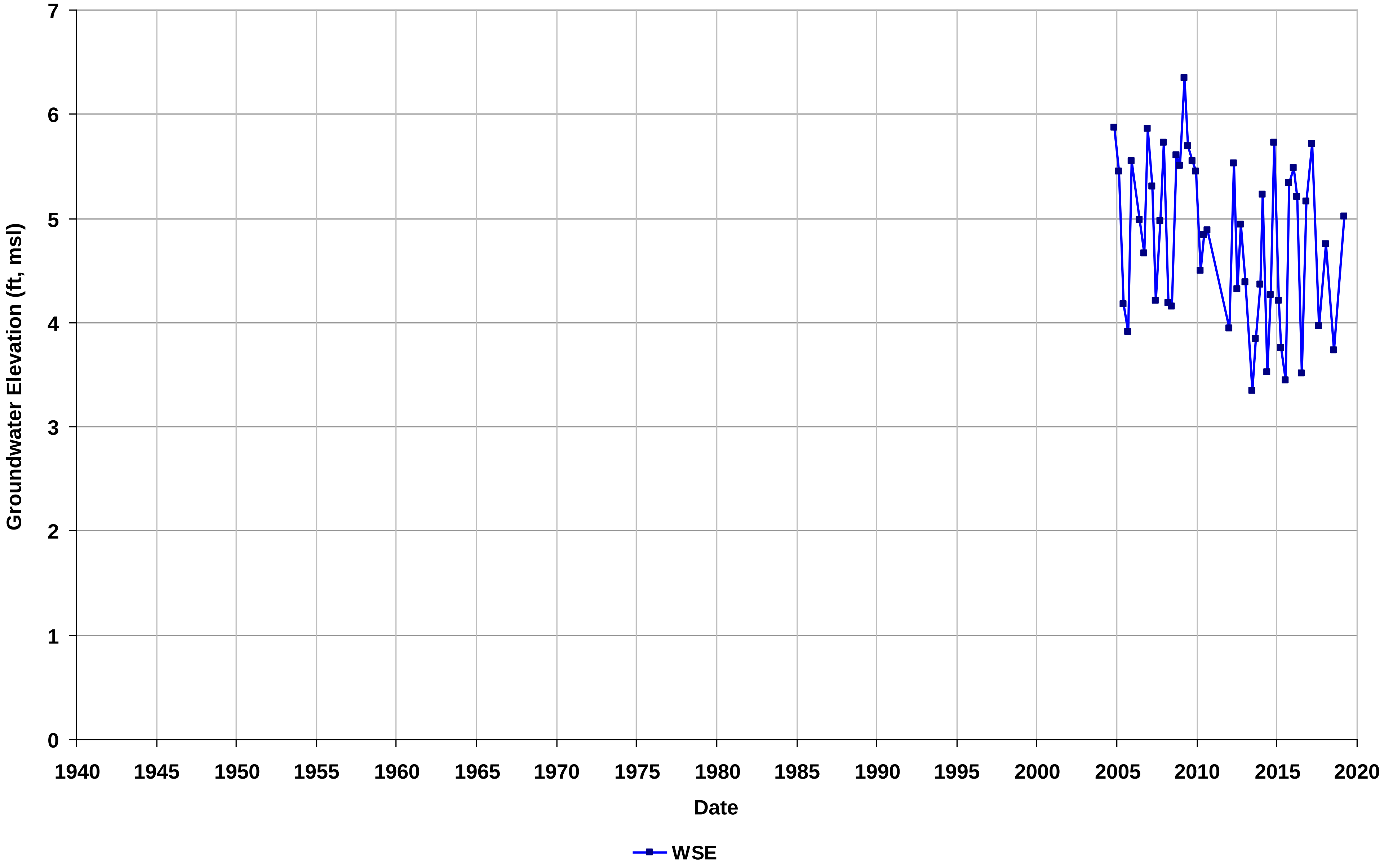
Well Name: SL600192789-LMW-4
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 17.5-22
T/R/S: 02S/03W/07
Well Use: Observation



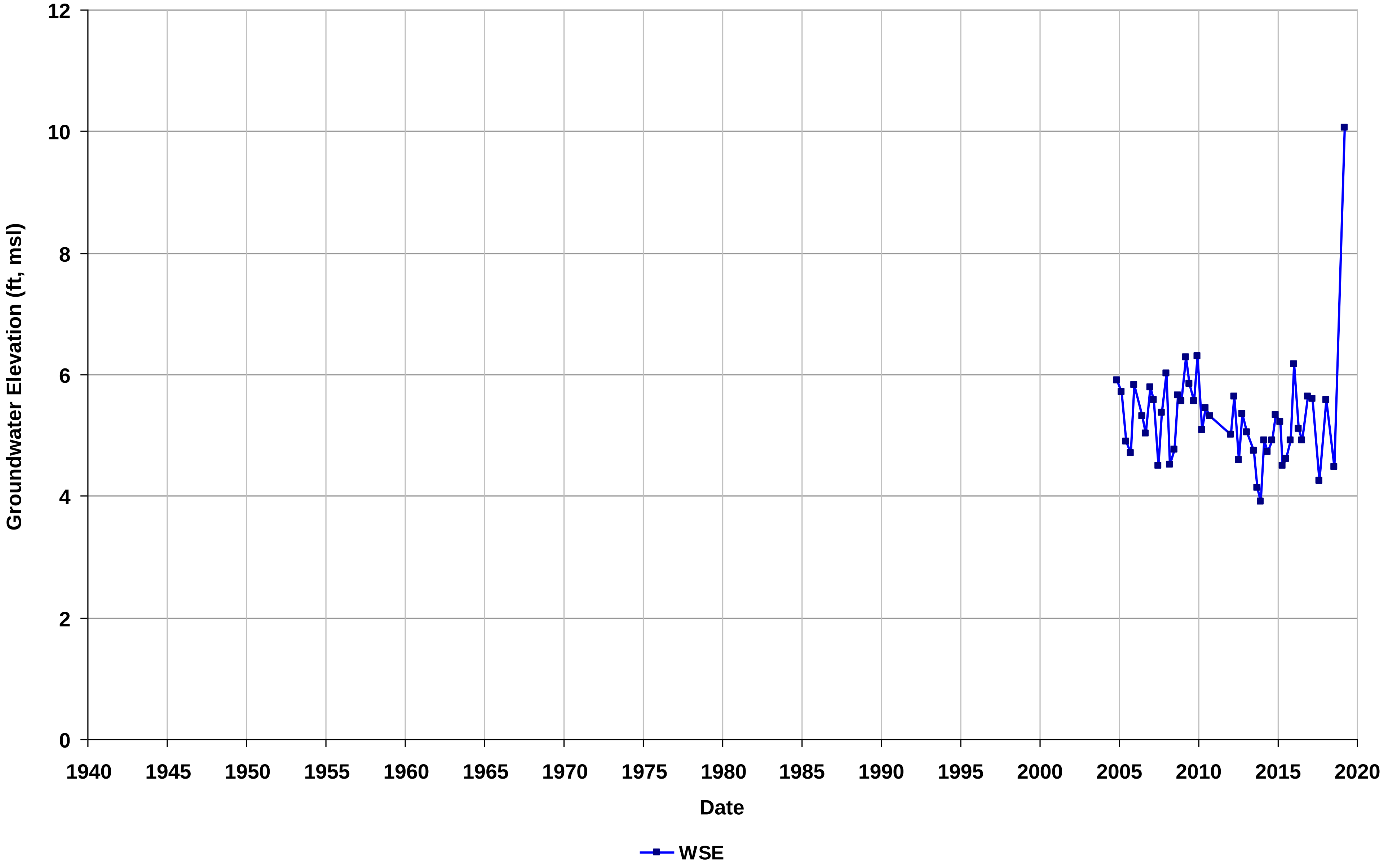
Well Name: SL600192789-LMW-5
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 17.5-22
T/R/S: 02S/03W/07
Well Use: Observation



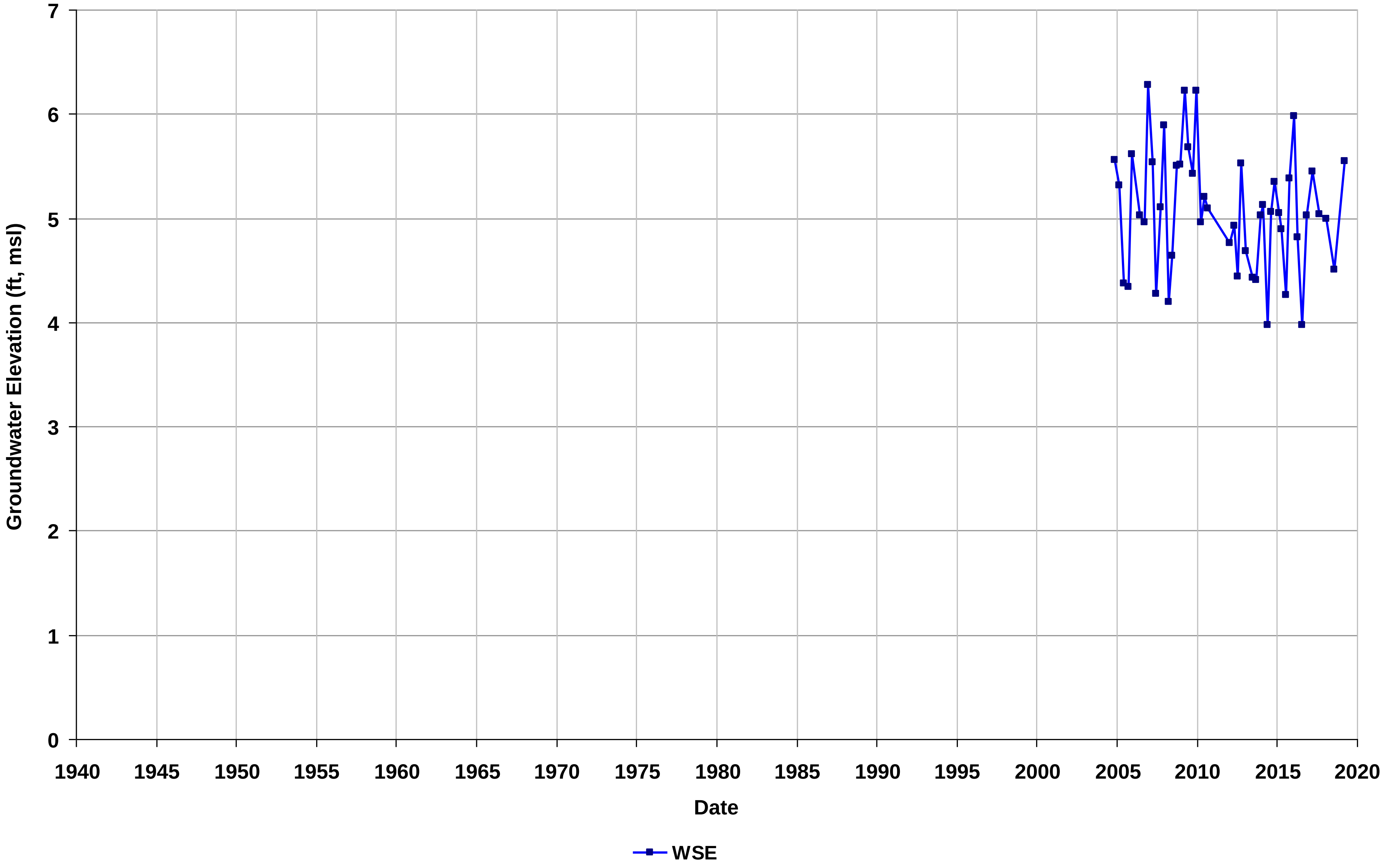
Well Name: SL600192789-LMW-6
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 17-22
T/R/S: 02S/03W/07
Well Use: Observation



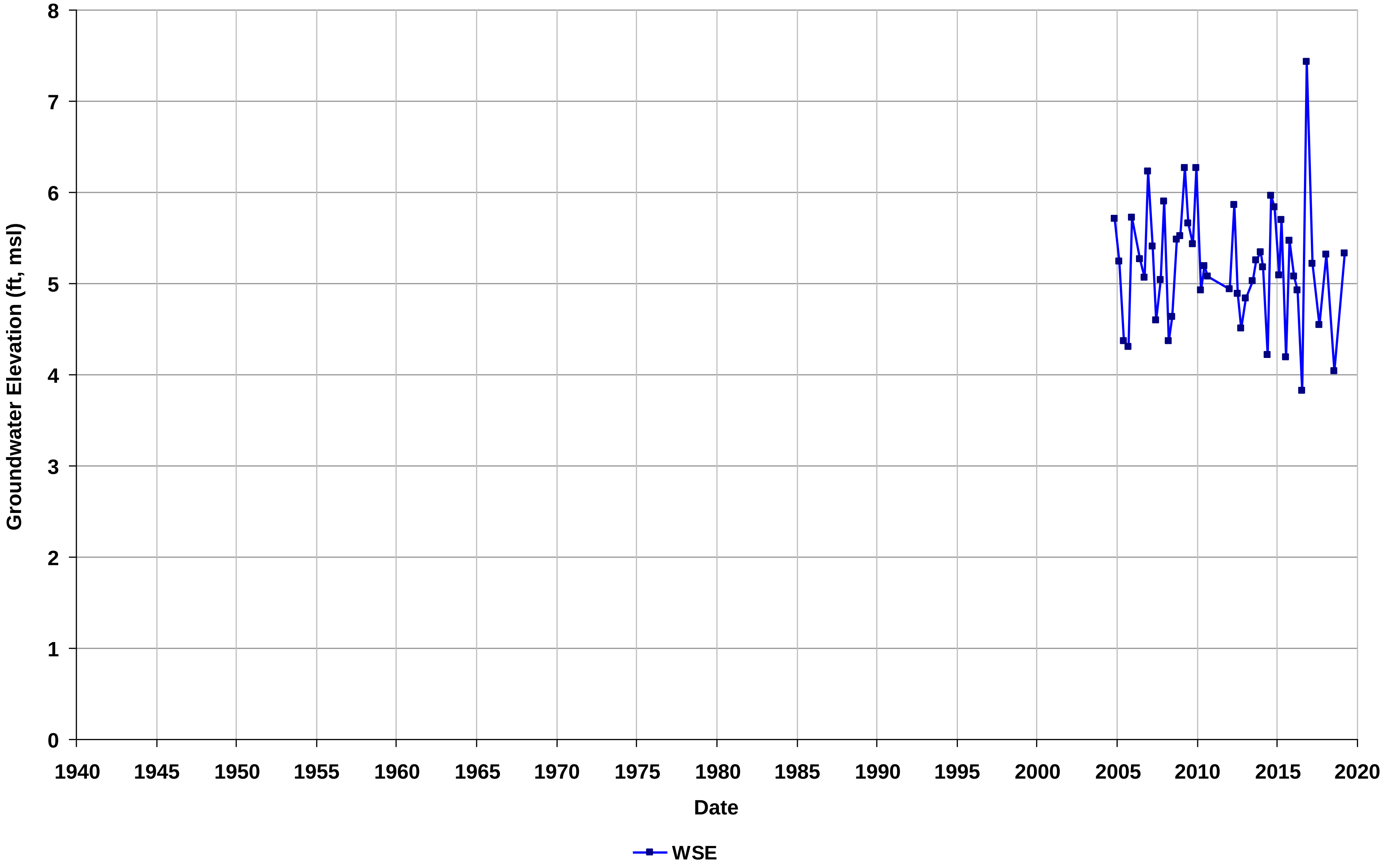
Well Name: SL600192789-LMW-7
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 17.5-22
T/R/S: 02S/03W/07
Well Use: Observation



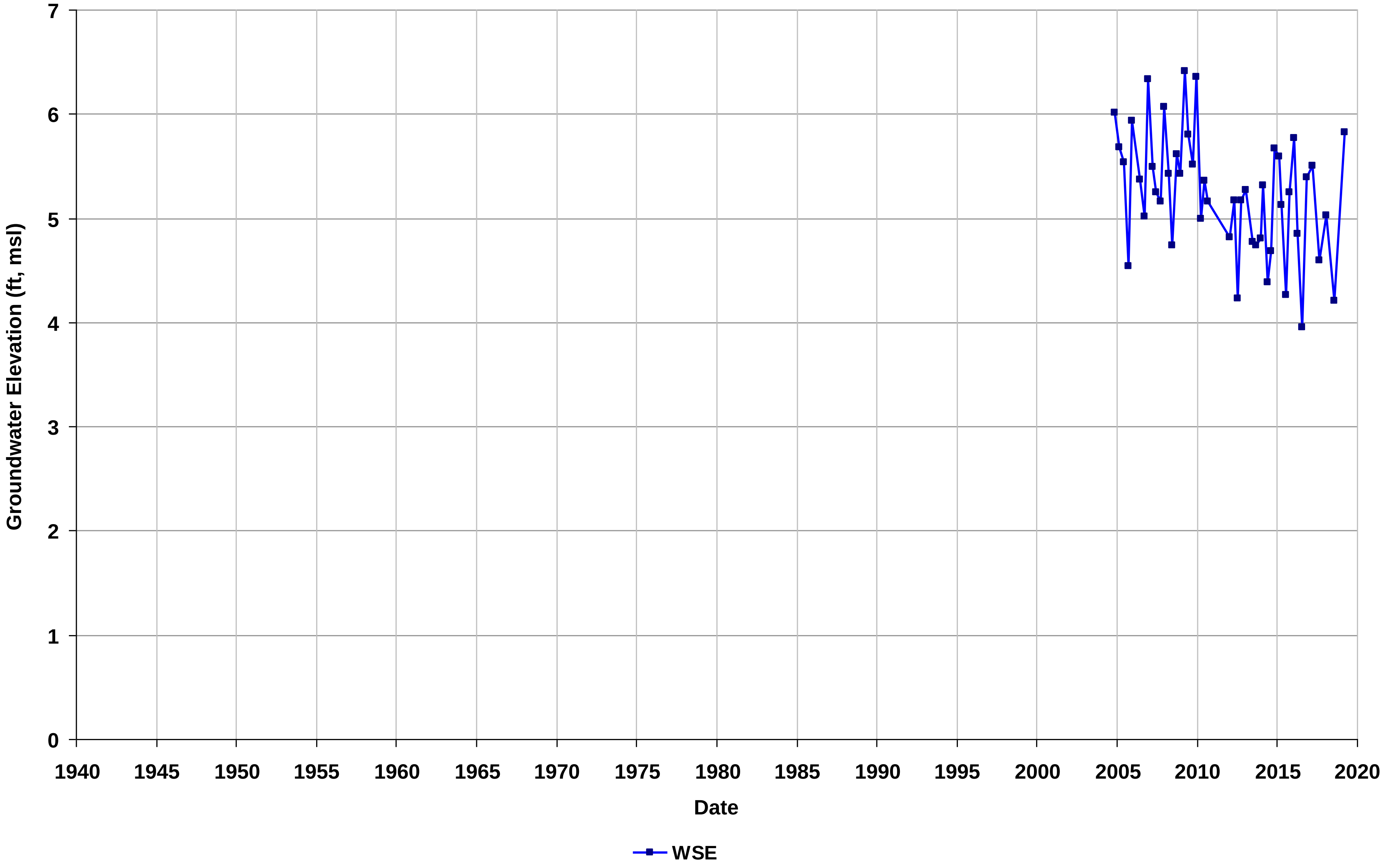
Well Name: SL600192789-LMW-8
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 17-22
T/R/S: 02S/03W/07
Well Use: Observation



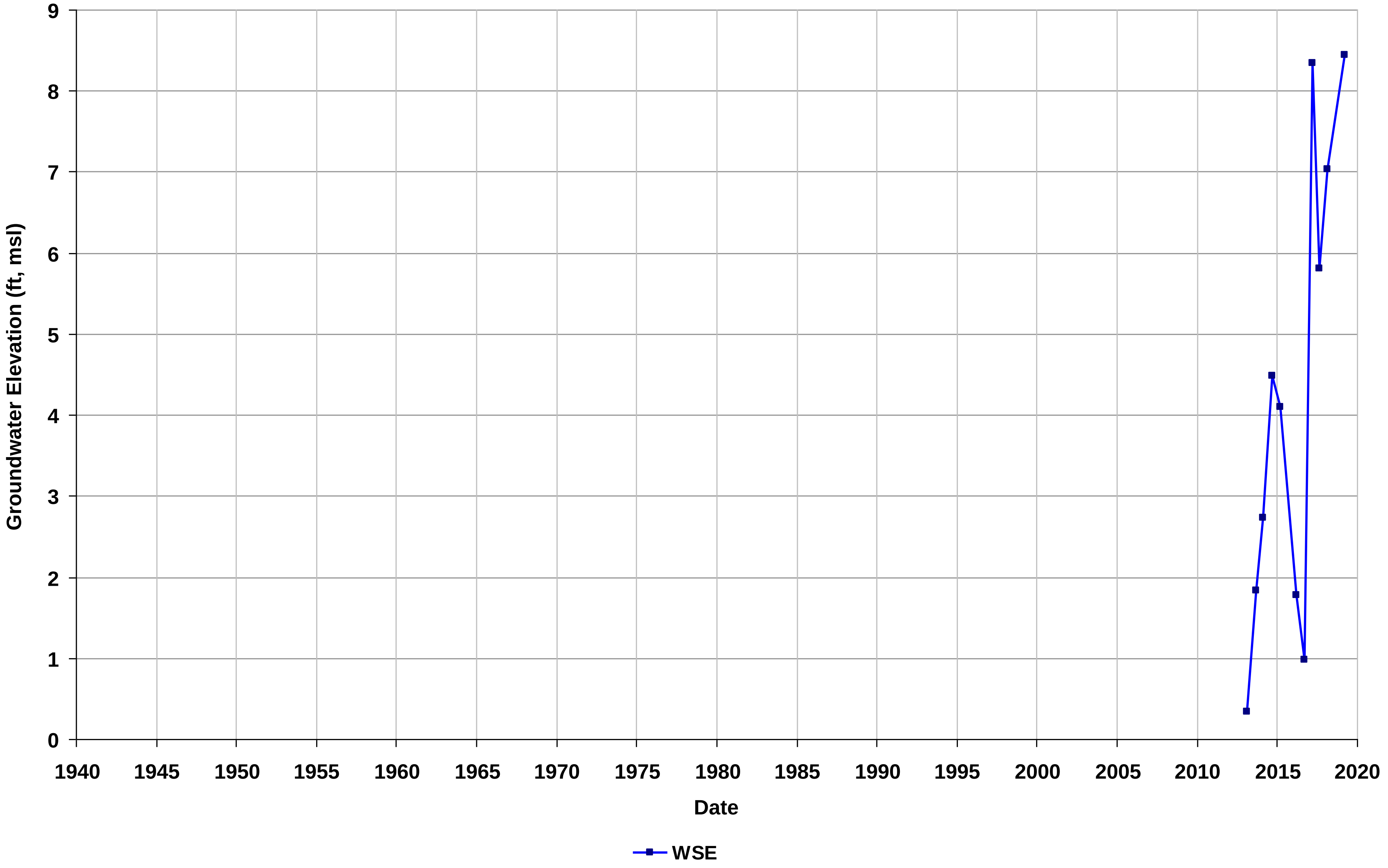
Well Name: SL600192789-LMW-9
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 17-22
T/R/S: 02S/03W/07
Well Use: Observation



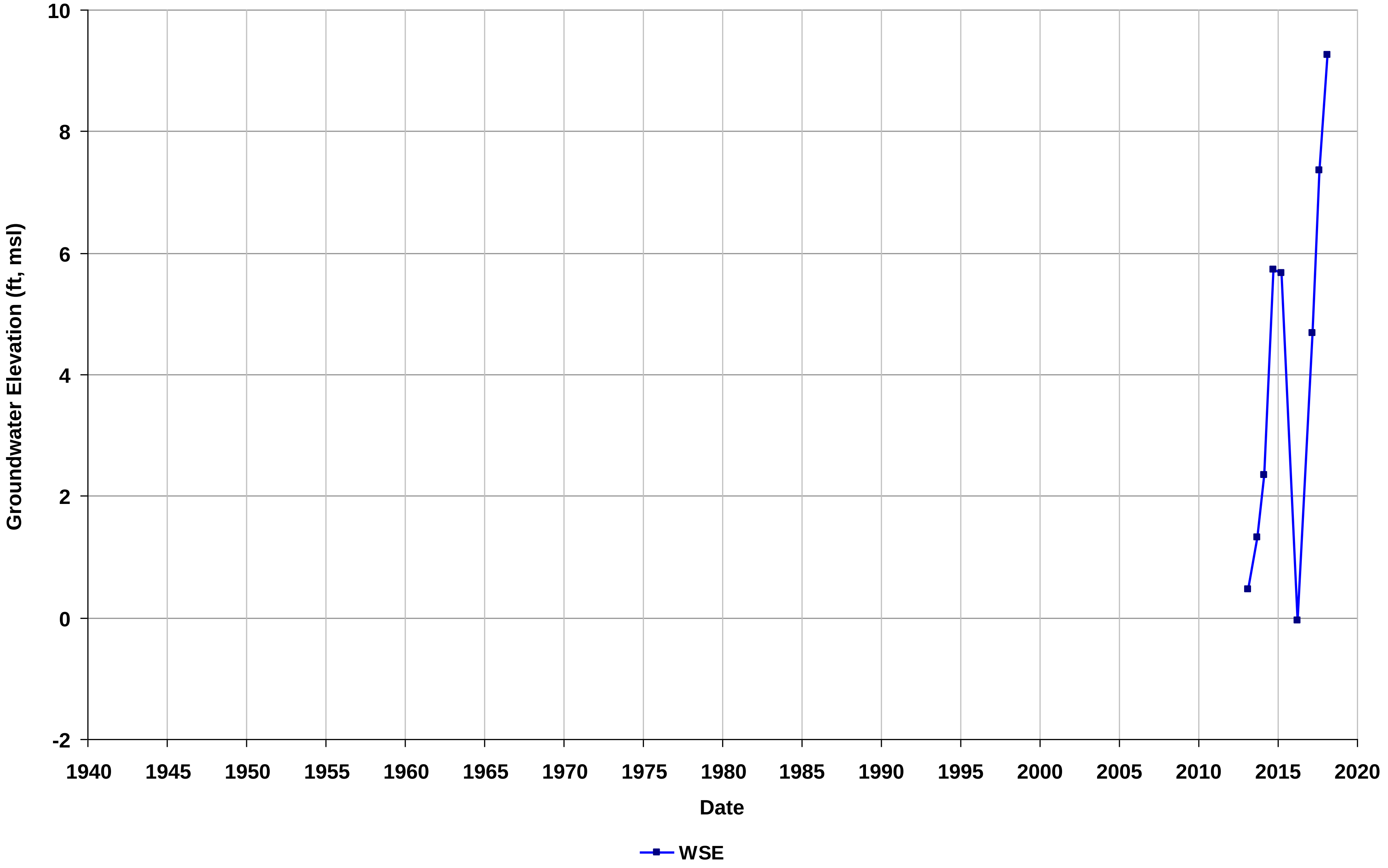
Well Name: SLT2O235331-EX-1
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-12
T/R/S: 01N/05W/24
Well Use: Observation



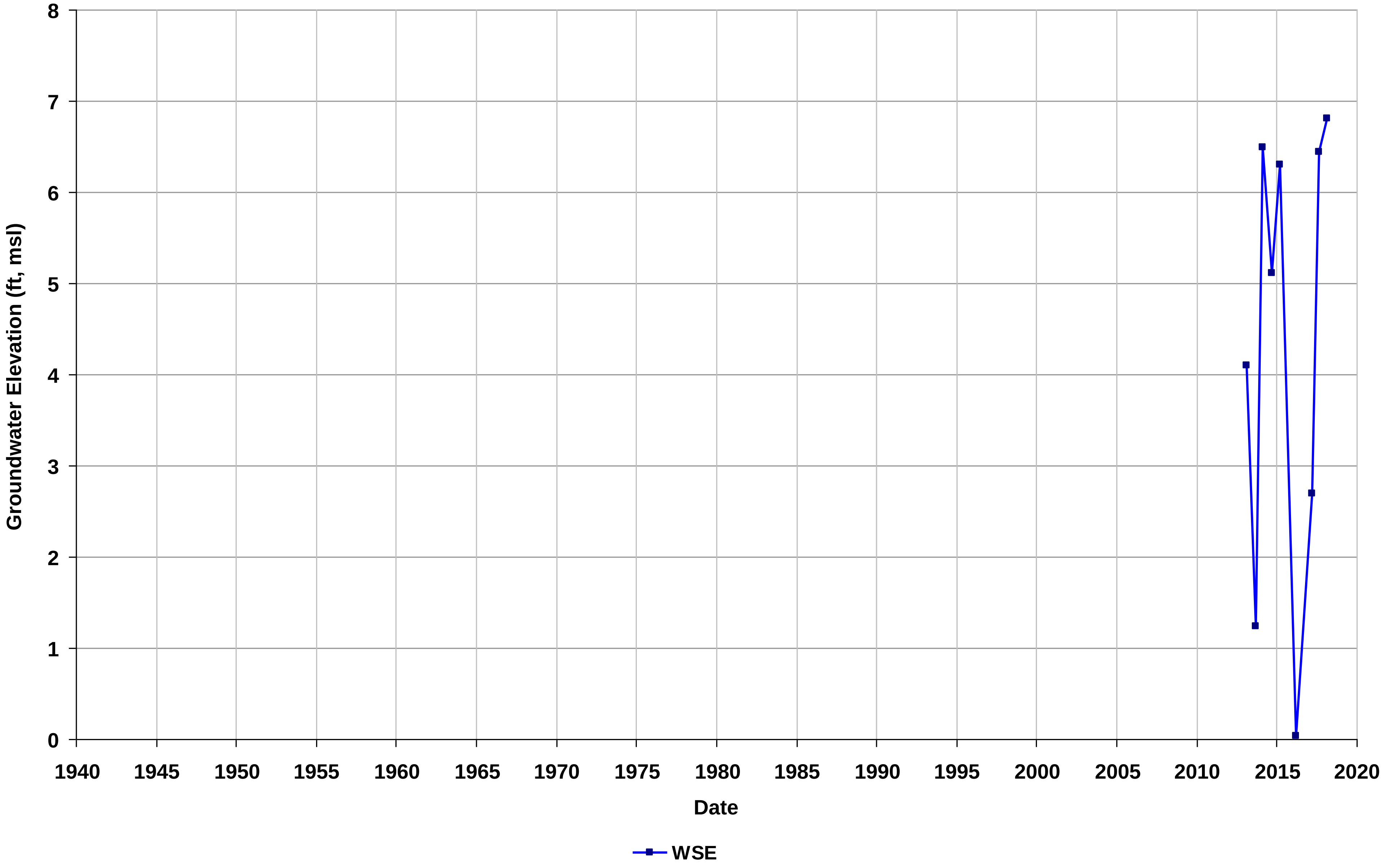
Well Name: SLT2O235331-EX-2
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-12
T/R/S: 01N/05W/24
Well Use: Observation



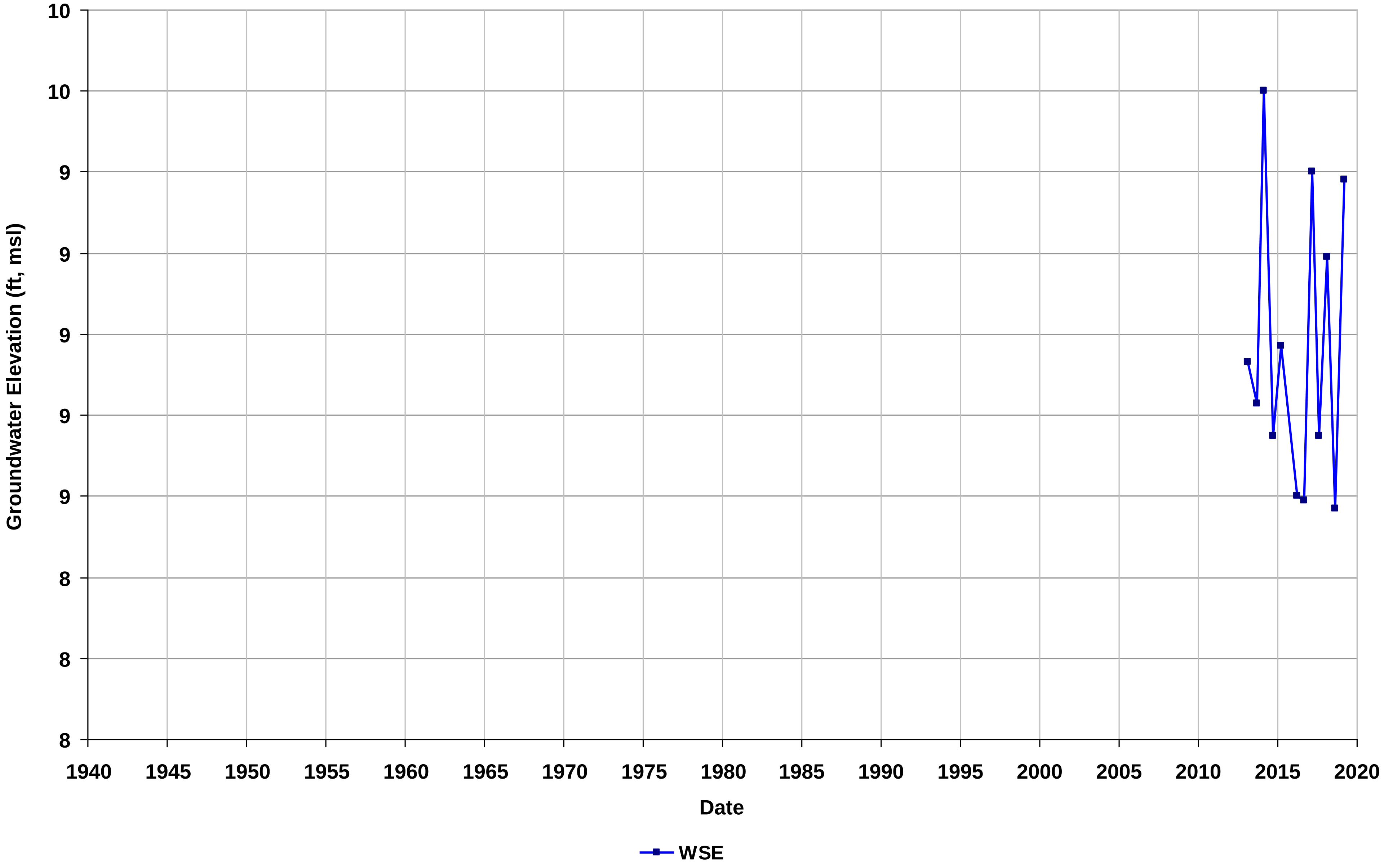
Well Name: SLT2O235331-EX-3
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 5-12
T/R/S: 01N/05W/24
Well Use: Observation



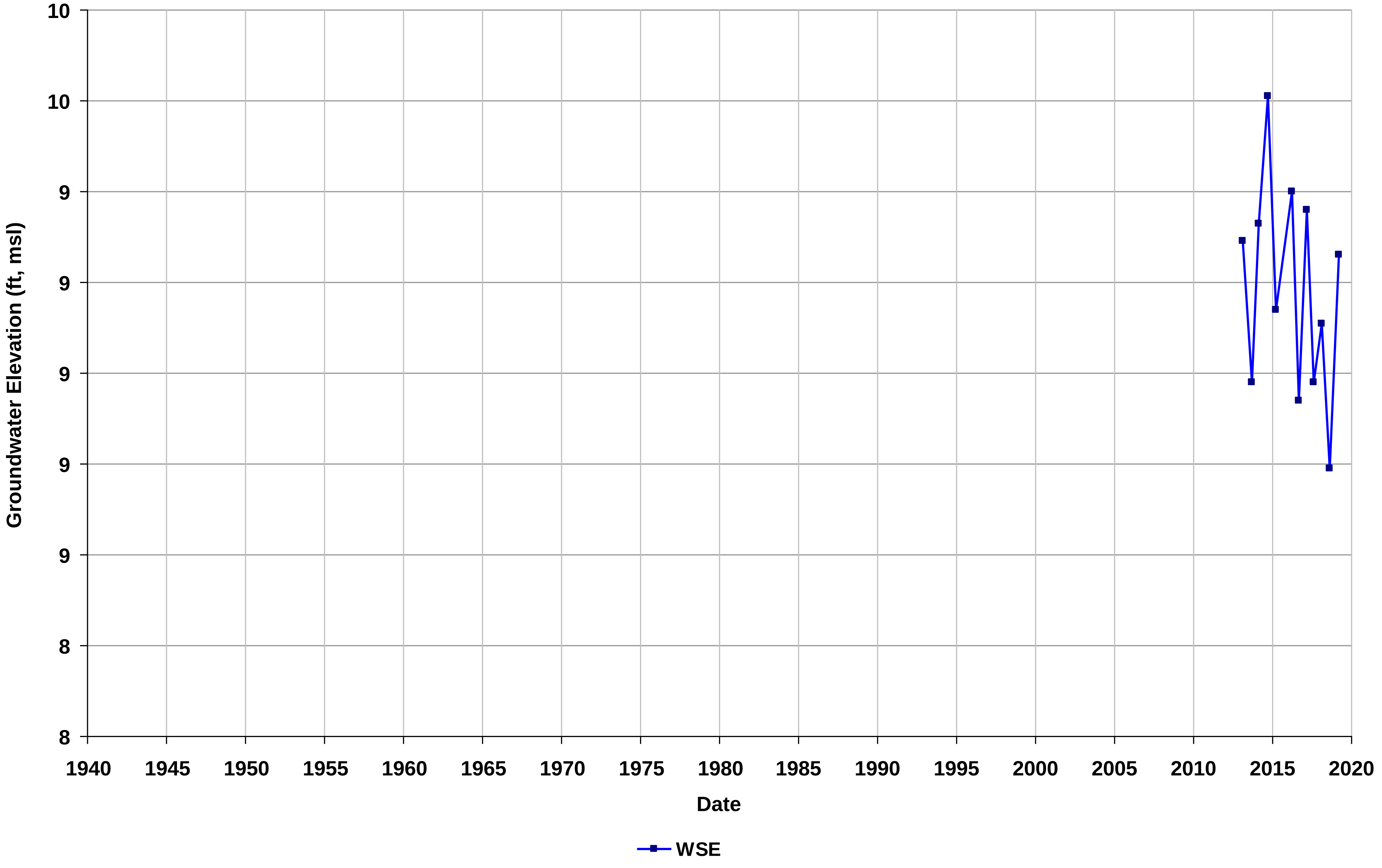
Well Name: SLT2O235331-MW-39
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 3-13
T/R/S: 01N/05W/24
Well Use: Observation



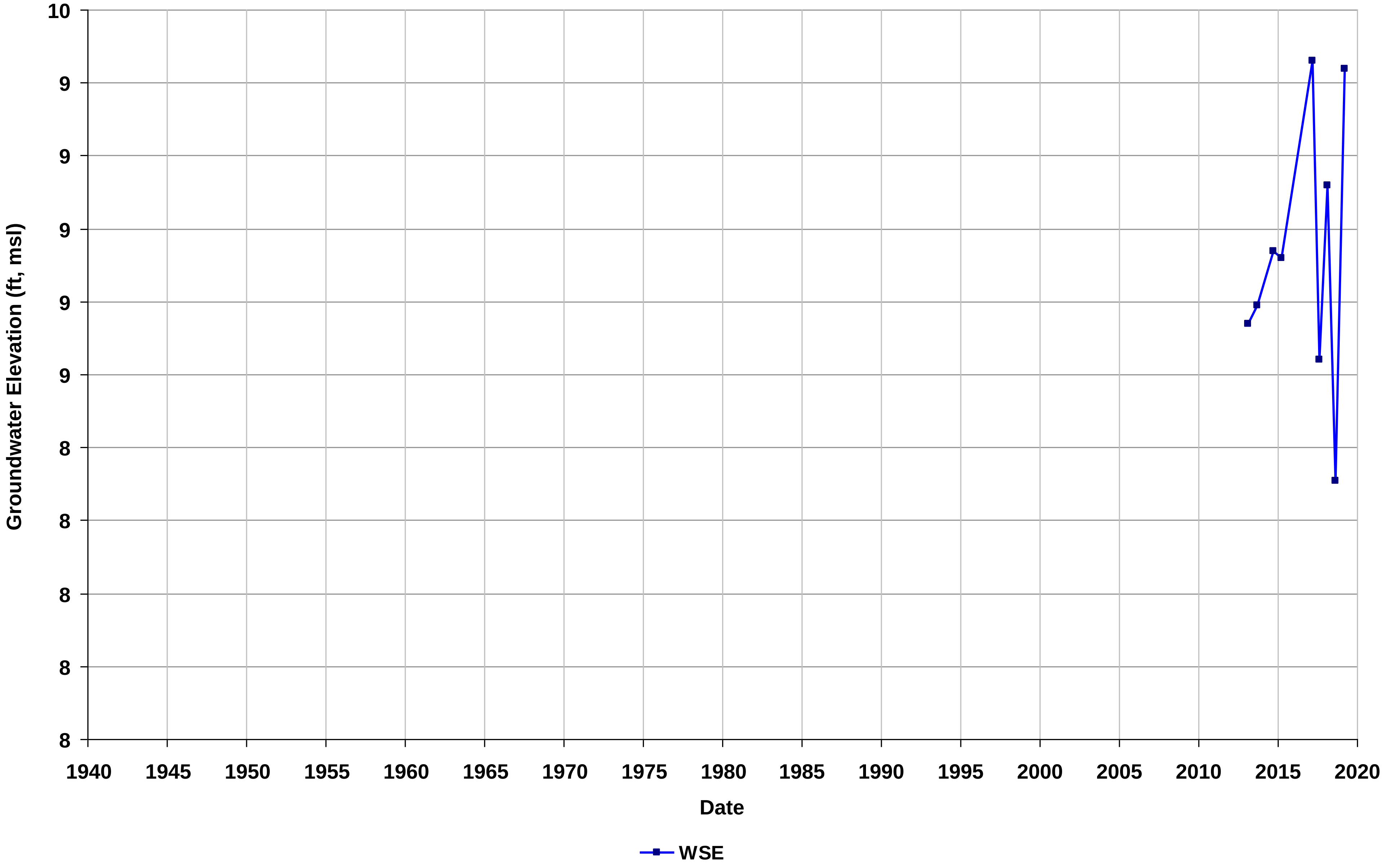
Well Name: SLT2O235331-MW-40
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 2-12
T/R/S: 01N/05W/24
Well Use: Observation



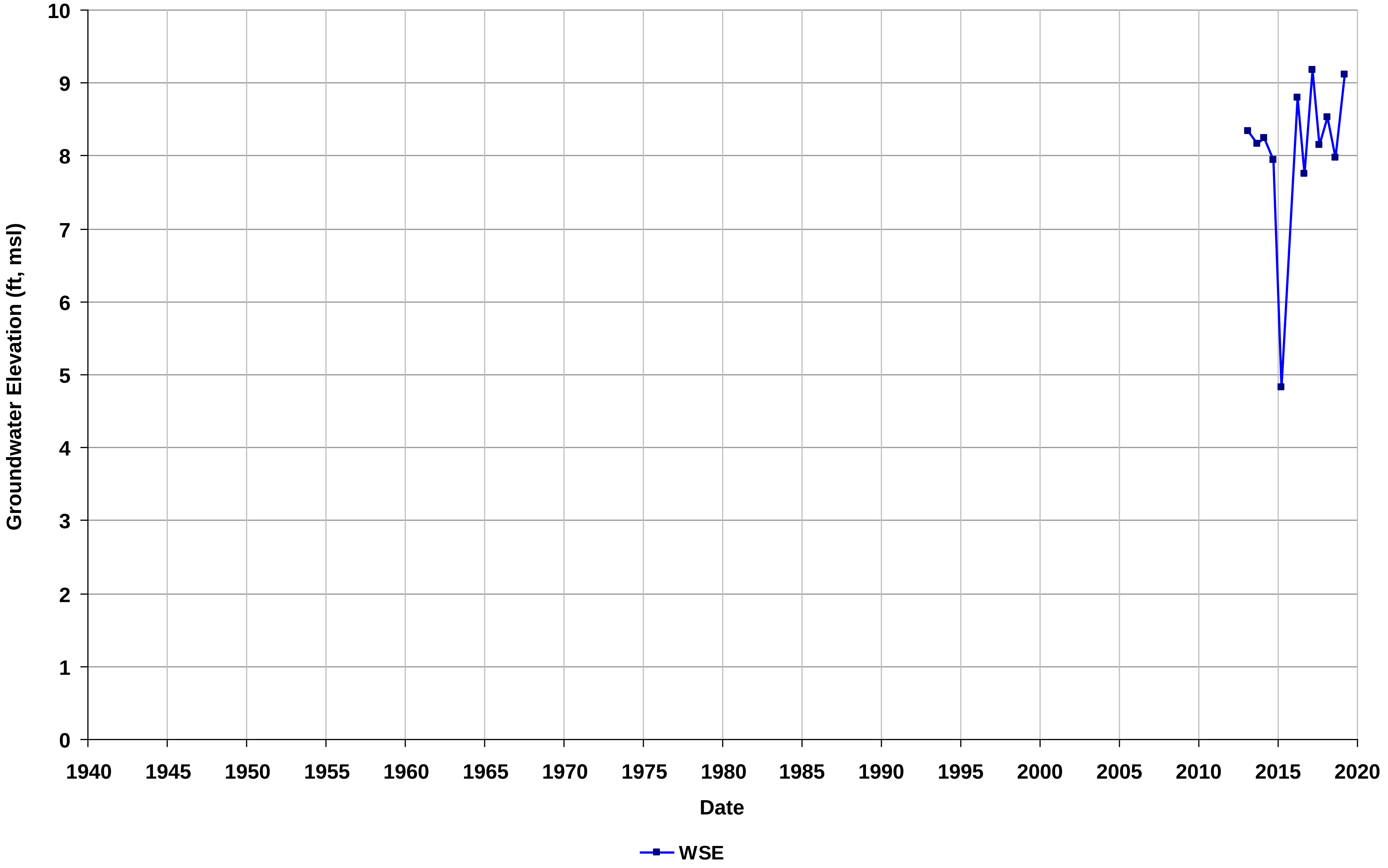
Well Name: SLT2O235331-MW-41
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 2-12
T/R/S: 01N/05W/24
Well Use: Observation



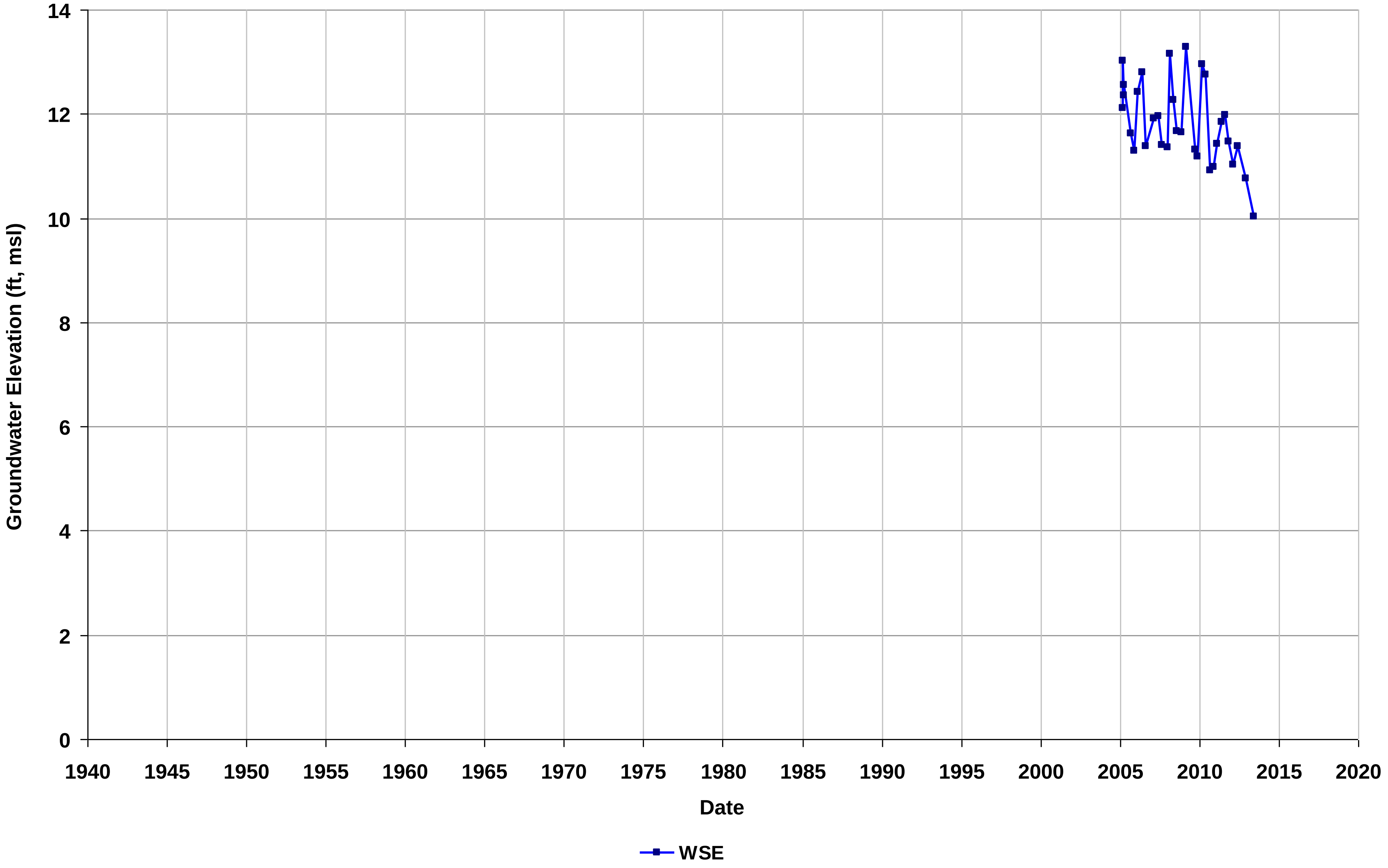
Well Name: SLT2O235331-OW-16R
Depth Zone: Water Table
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 3-8
T/R/S: 01N/05W/24
Well Use: Observation



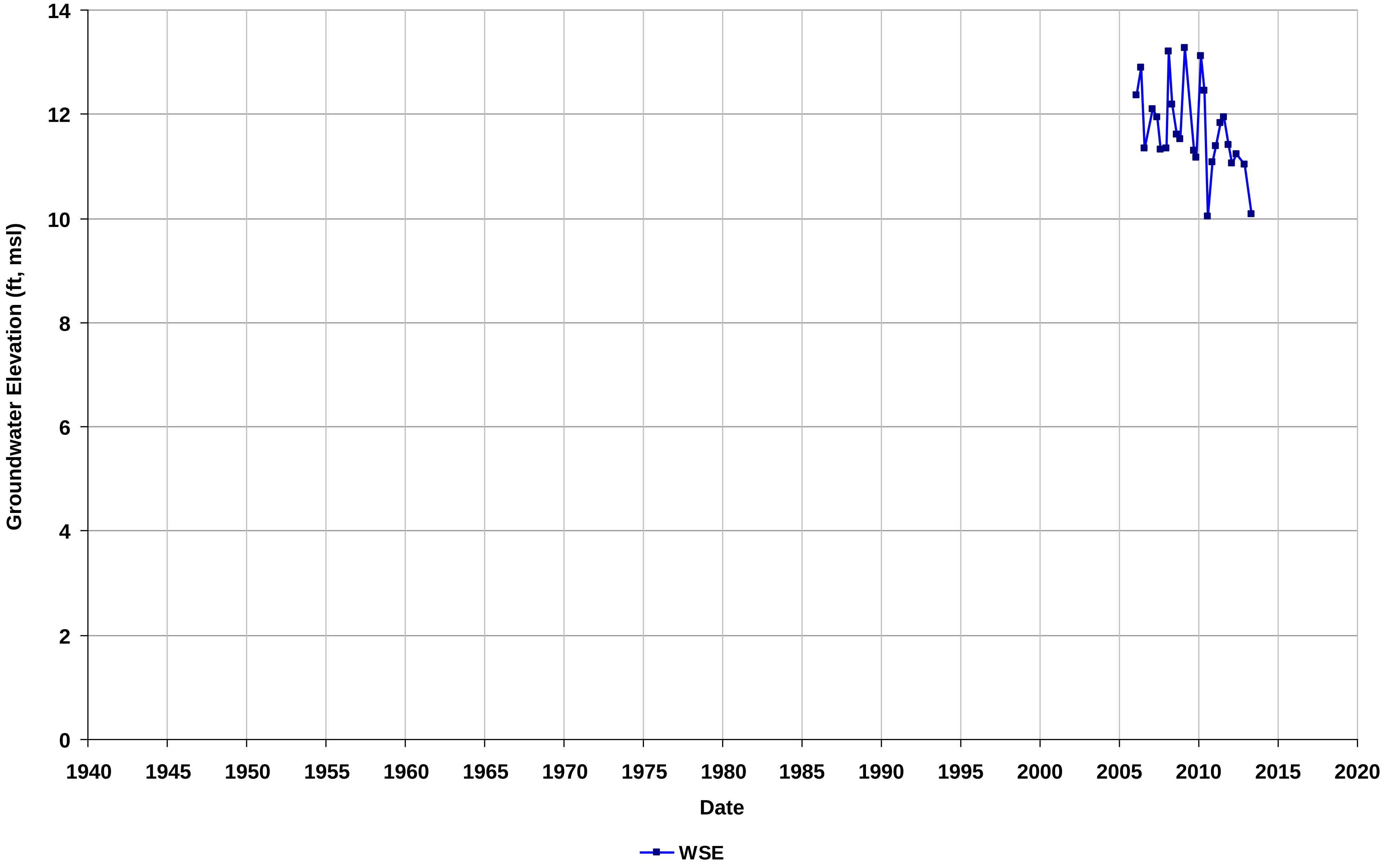
Well Name: T0600100022-MW-1
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 12-23
T/R/S: n/a
Well Use: Observation



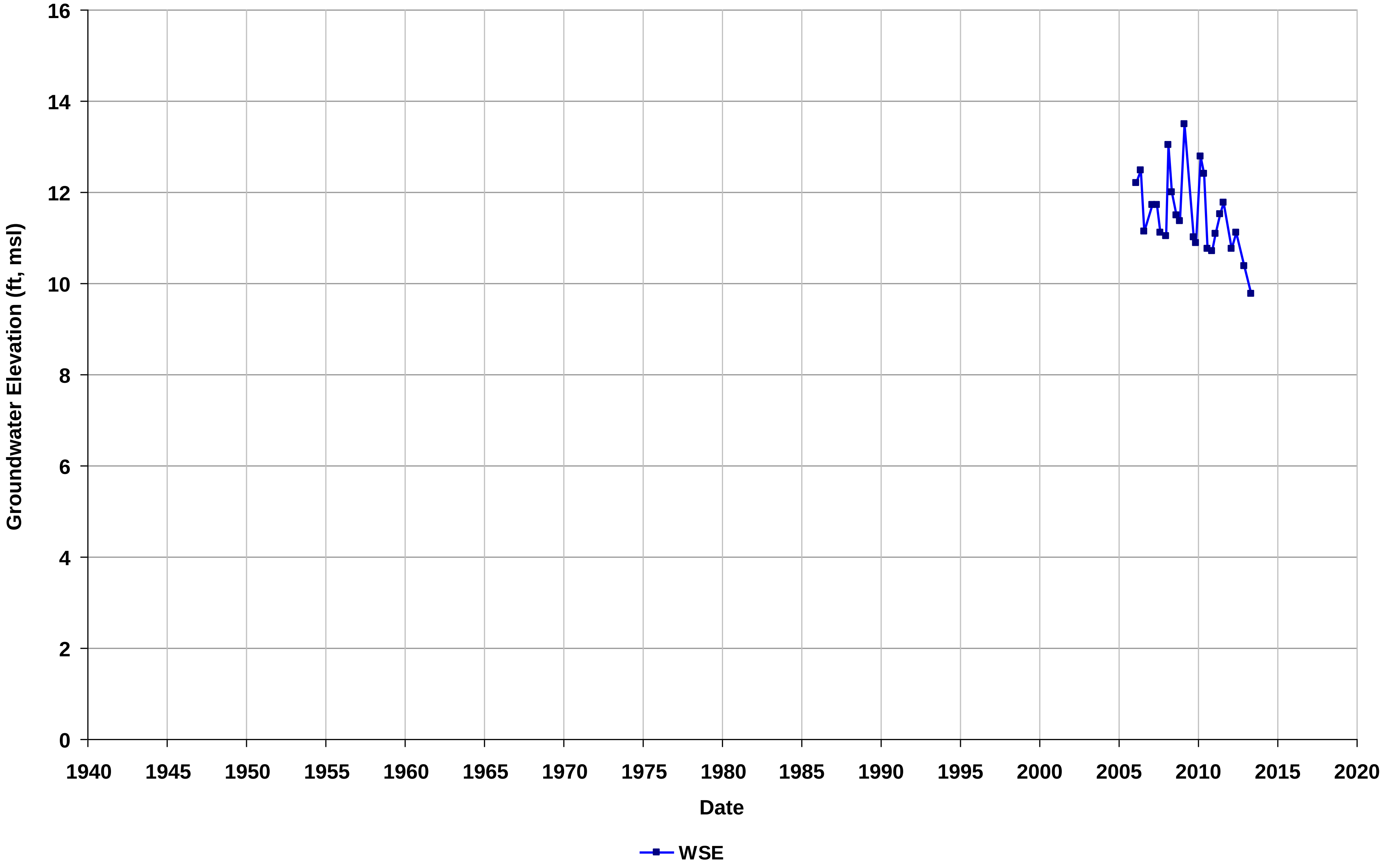
Well Name: T0600100022-MW-2
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 10-20
T/R/S: n/a
Well Use: Observation



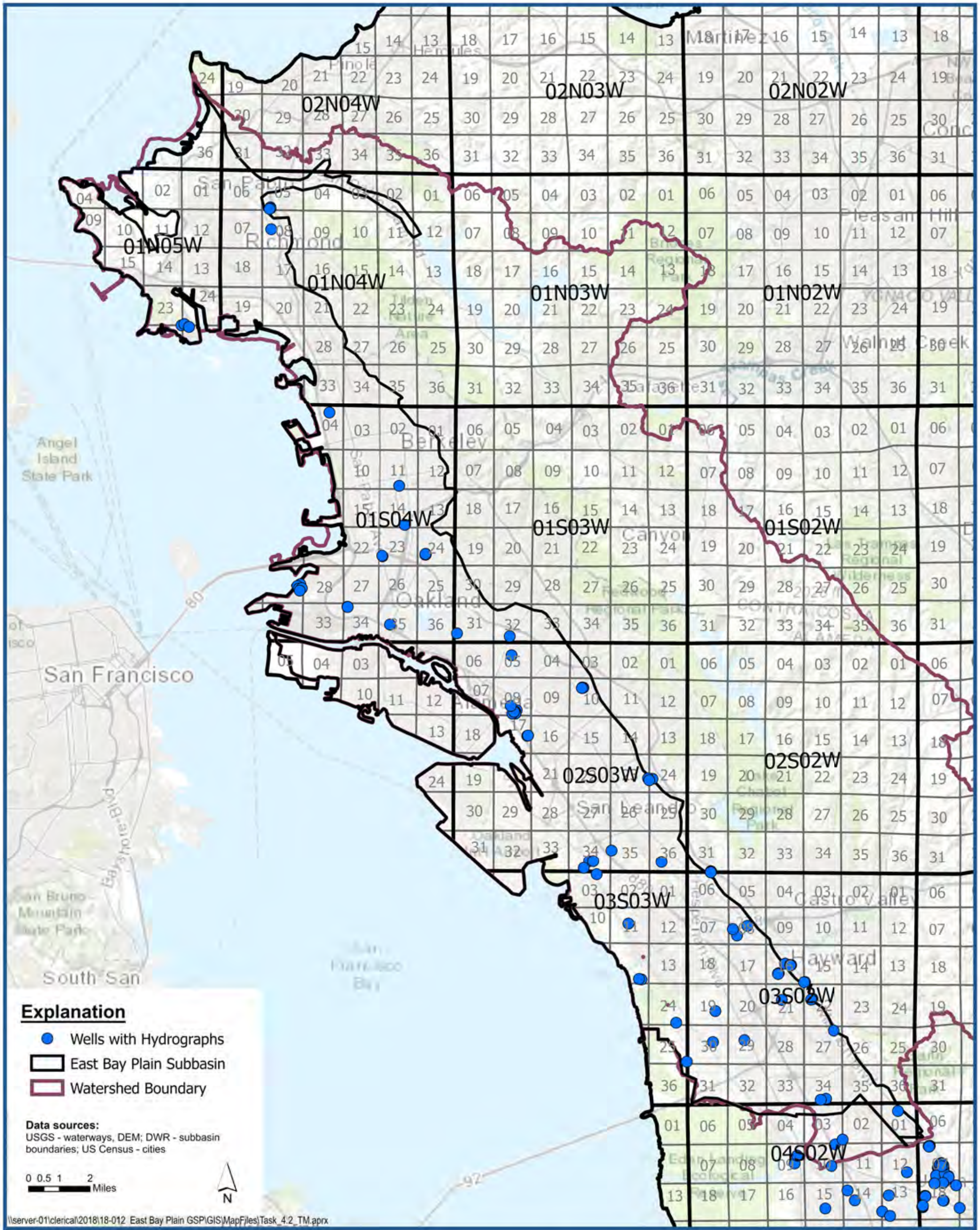
Well Name: T0600100022-MW-3
Depth Zone: Water Table
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 10-20
T/R/S: n/a
Well Use: Observation



Section E-2

Shallow Aquifer Zone Groundwater Hydrographs



LSCE TEAM

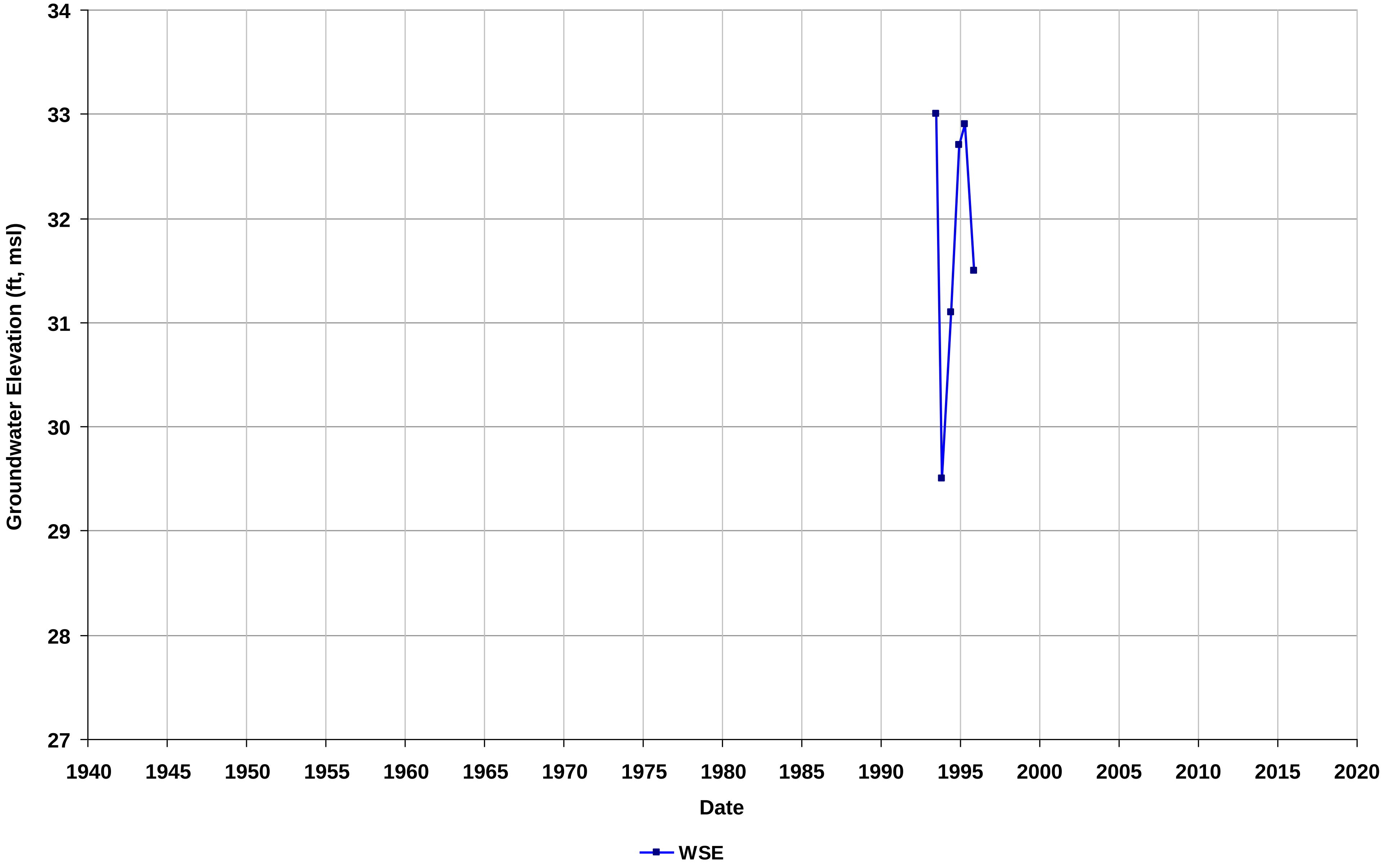
Wells with Hydrographs - Shallow Aquifer

Figure E-2

East Bay Plain Subbasin
Groundwater Sustainability Plan

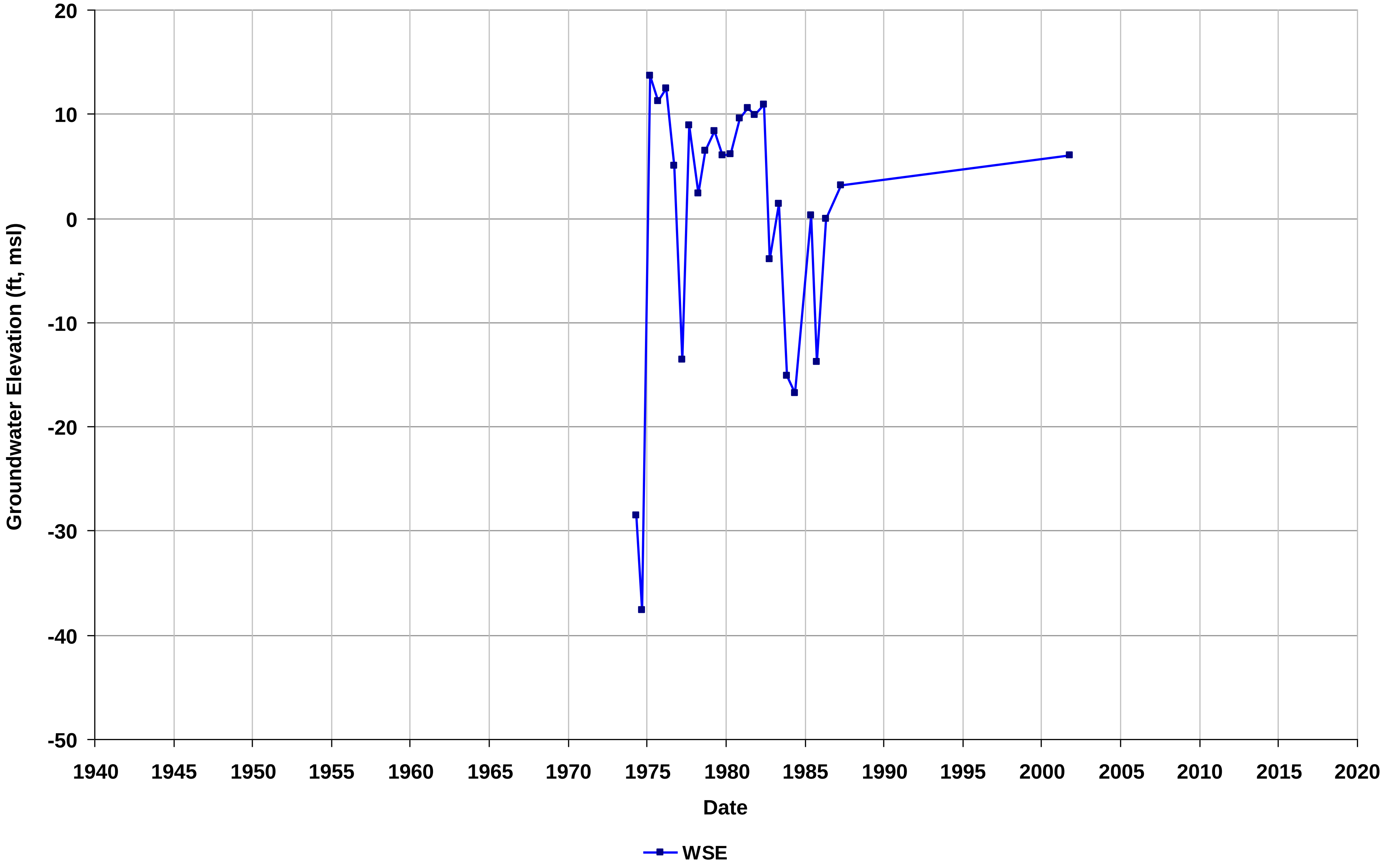
Well Name: 01S/03W-31N01
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 160
Perf. Interval (ft bgs): 100-160
T/R/S: 01S/03W/31
Well Use: Residential



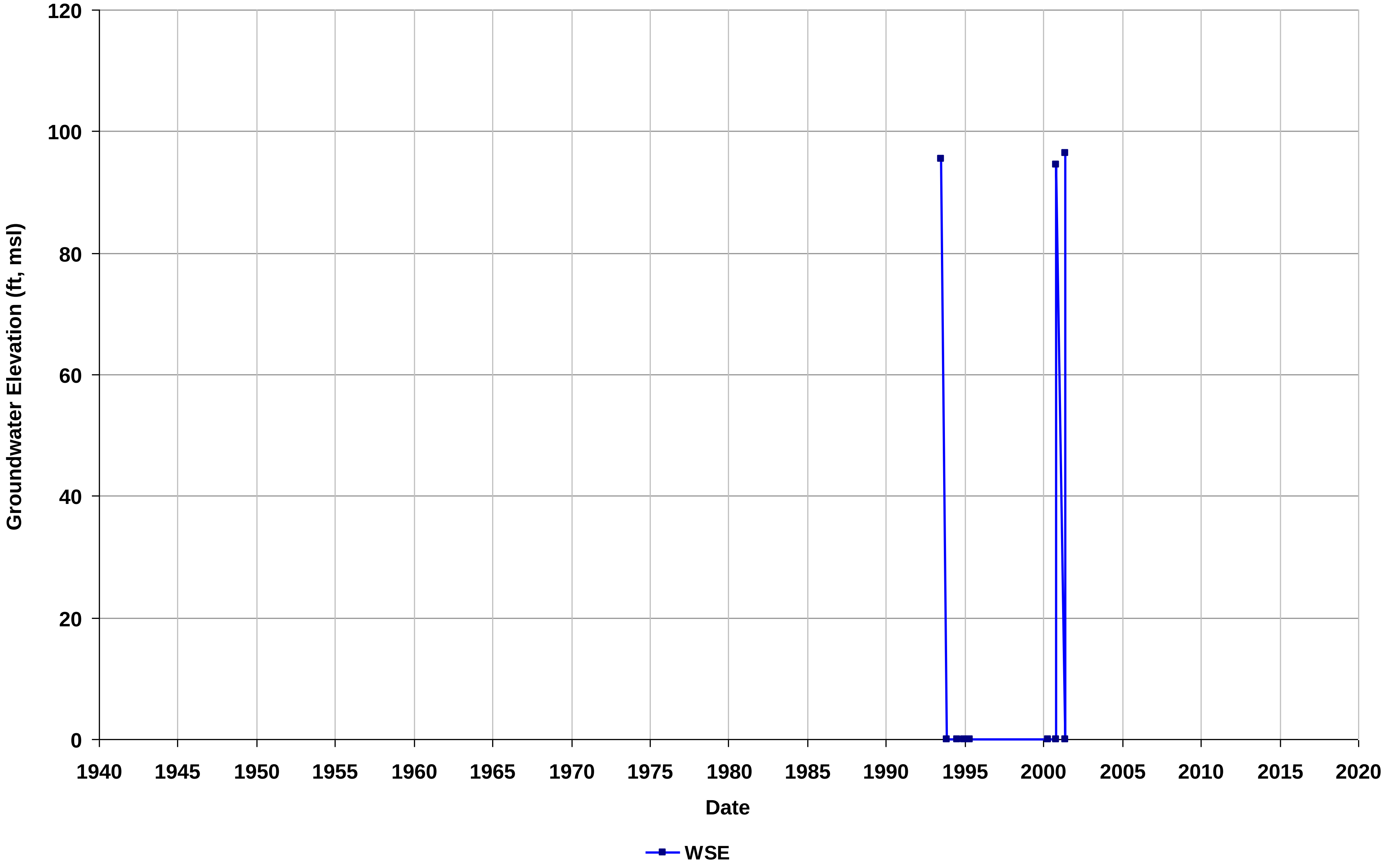
Well Name: 01S/04W-04A01
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 200
Perf. Interval (ft bgs):
T/R/S: 01S/04W/04
Well Use: Industrial



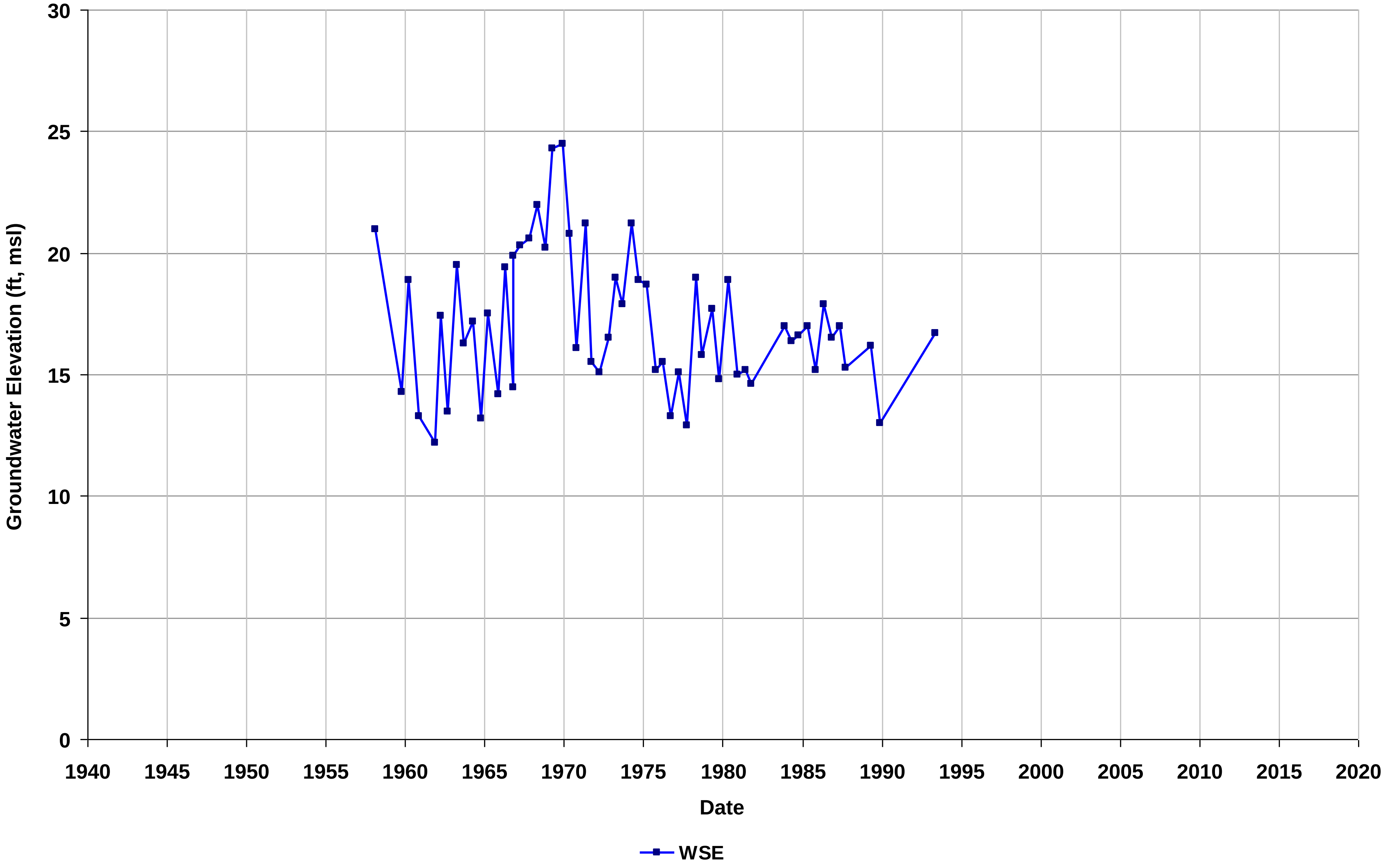
Well Name: 01S/04W-11K01
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 200
Perf. Interval (ft bgs): 50-200
T/R/S: 01S/04W/11
Well Use: Irrigation



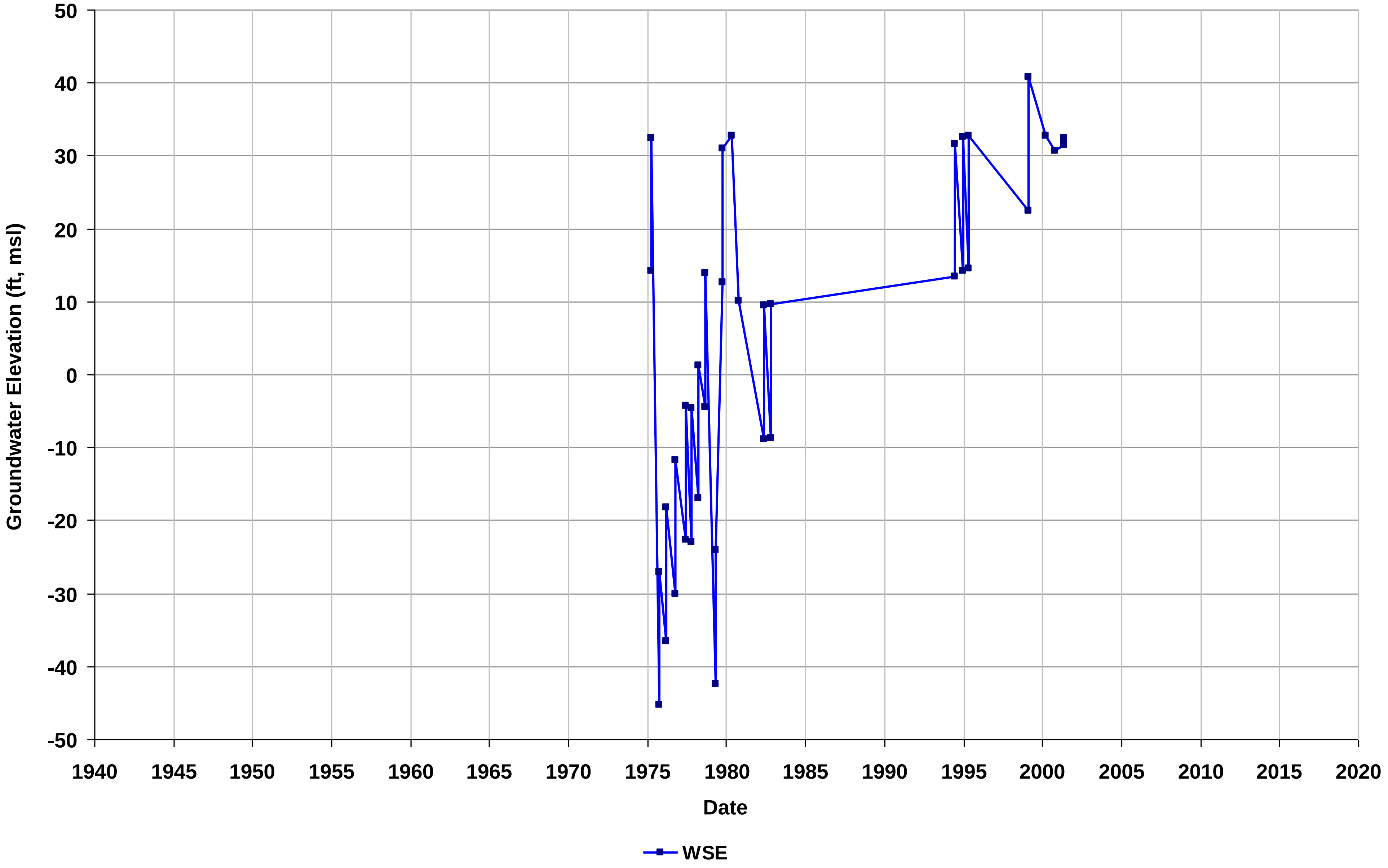
Well Name: 02S/03W-35E01
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 224
Perf. Interval (ft bgs): 25-143
T/R/S: 02S/03W/35
Well Use: Irrigation



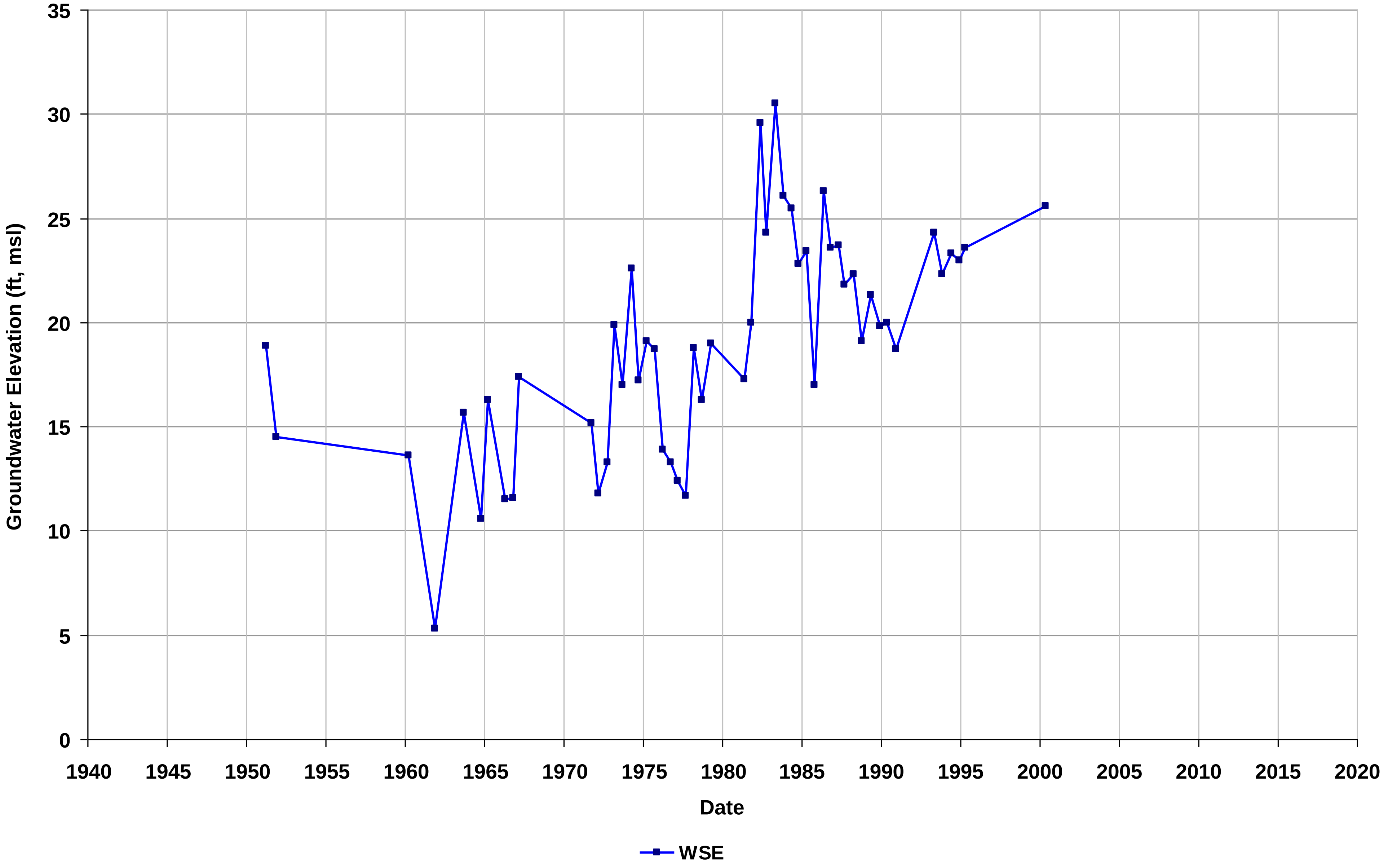
Well Name: 02S/03W-35H06
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 150
Perf. Interval (ft bgs):
T/R/S: 03S/03W/03
Well Use: Industrial



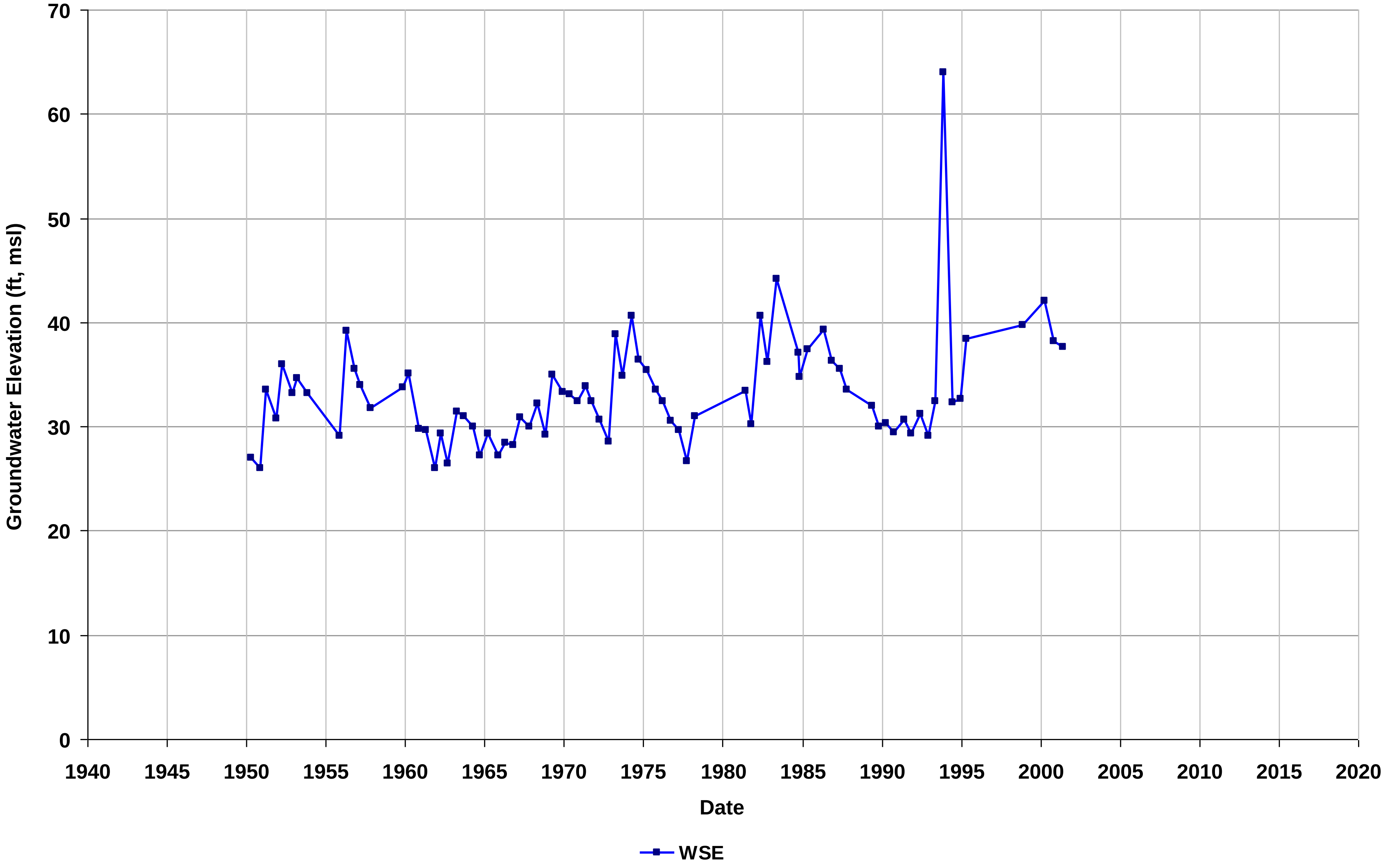
Well Name: 02S/03W-36L01
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 120
Perf. Interval (ft bgs): 72-114
T/R/S: 02S/03W/36
Well Use: Irrigation



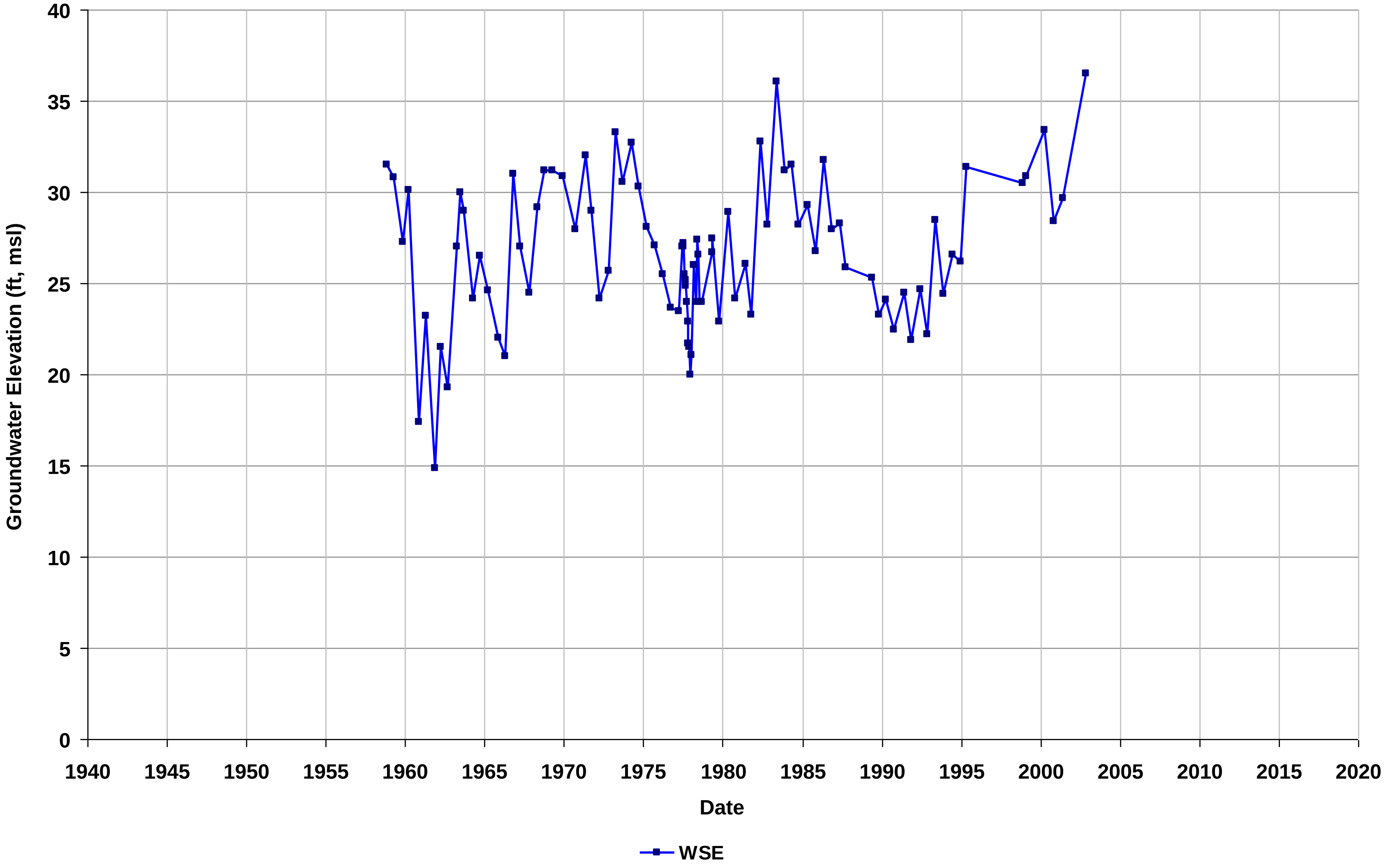
Well Name: 03S/02E-08R05
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 85
Perf. Interval (ft bgs):
T/R/S: 03S/2W/8
Well Use: Unknown



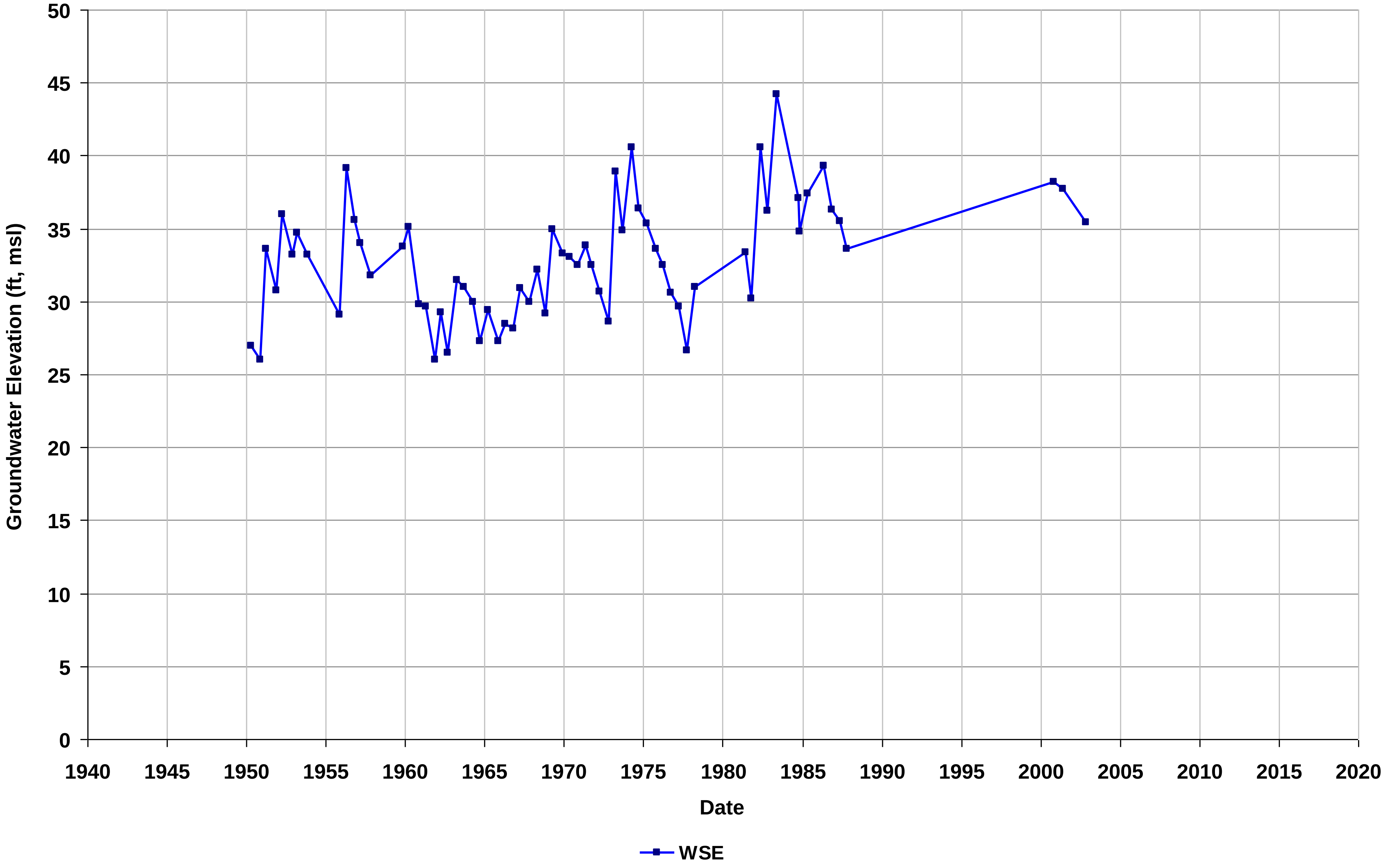
Well Name: 03S/02W-08L03
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl): 59

Total Depth (ft bgs): 211
Perf. Interval (ft bgs):
T/R/S: 03S/2W/8
Well Use: Irrigation



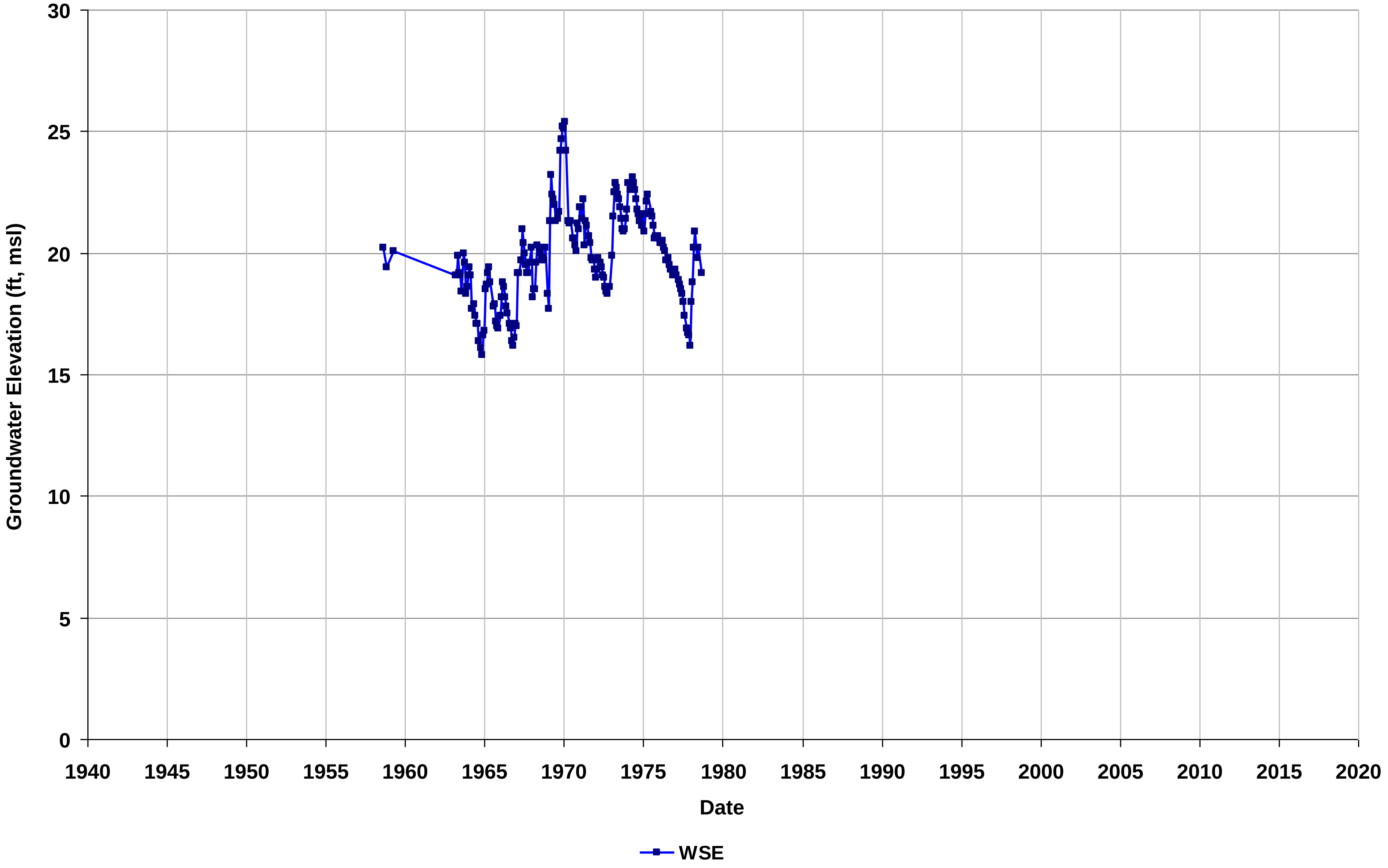
Well Name: 03S/02W-08R05
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl): 64

Total Depth (ft bgs): 85
Perf. Interval (ft bgs):
T/R/S: 03S/02W/17
Well Use: Residential



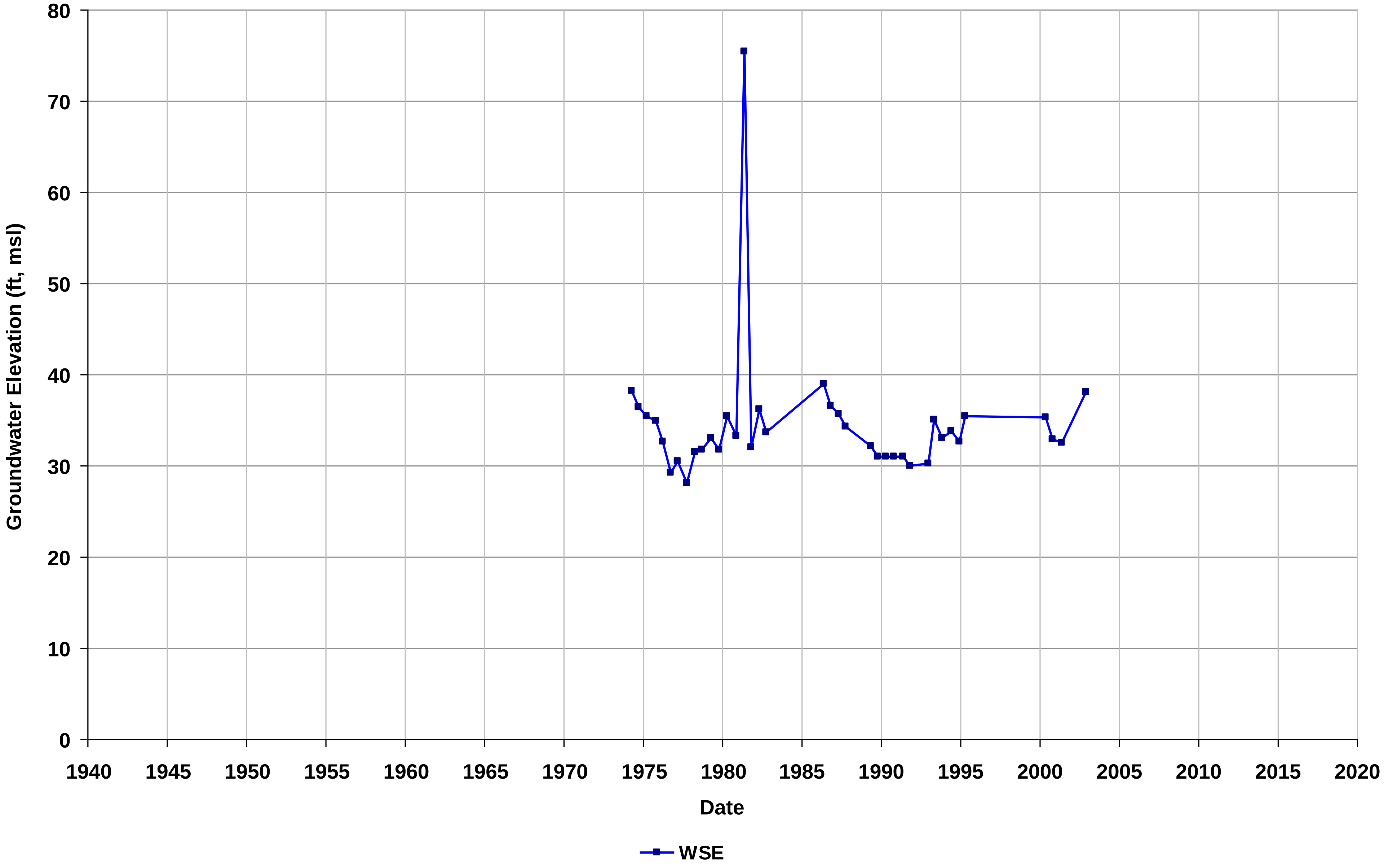
Well Name: 03S/02W-19J01
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl): 30

Total Depth (ft bgs): 87
Perf. Interval (ft bgs):
T/R/S: 03S/02W/19
Well Use: Unknown



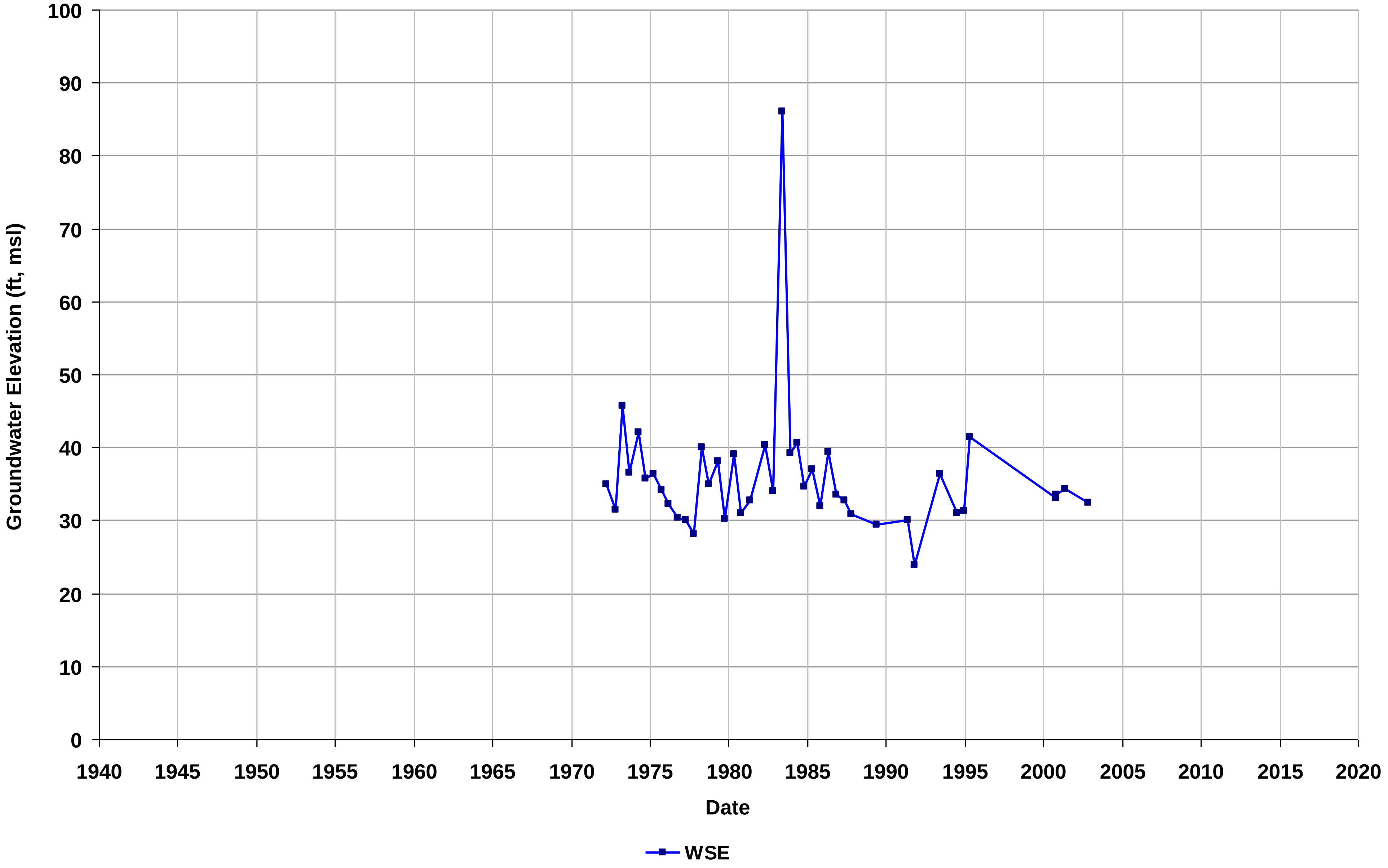
Well Name: 03S/02W-21G04
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl): 82

Total Depth (ft bgs): 135
Perf. Interval (ft bgs):
T/R/S: 03S/02W/21
Well Use: Irrigation



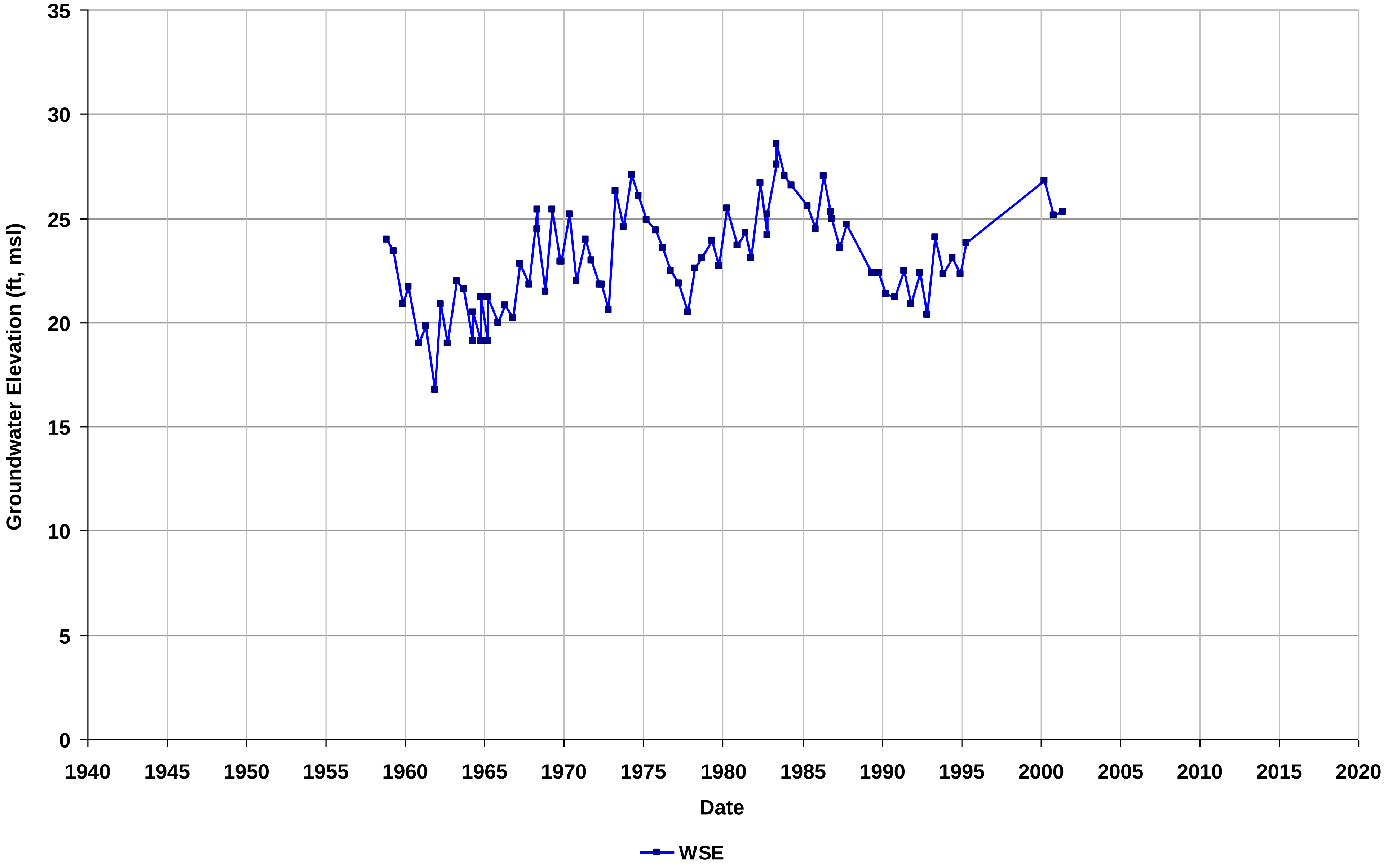
Well Name: 03S/02W-27A03
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl): 86

Total Depth (ft bgs): 92
Perf. Interval (ft bgs):
T/R/S: 03S/02W/27
Well Use: Irrigation



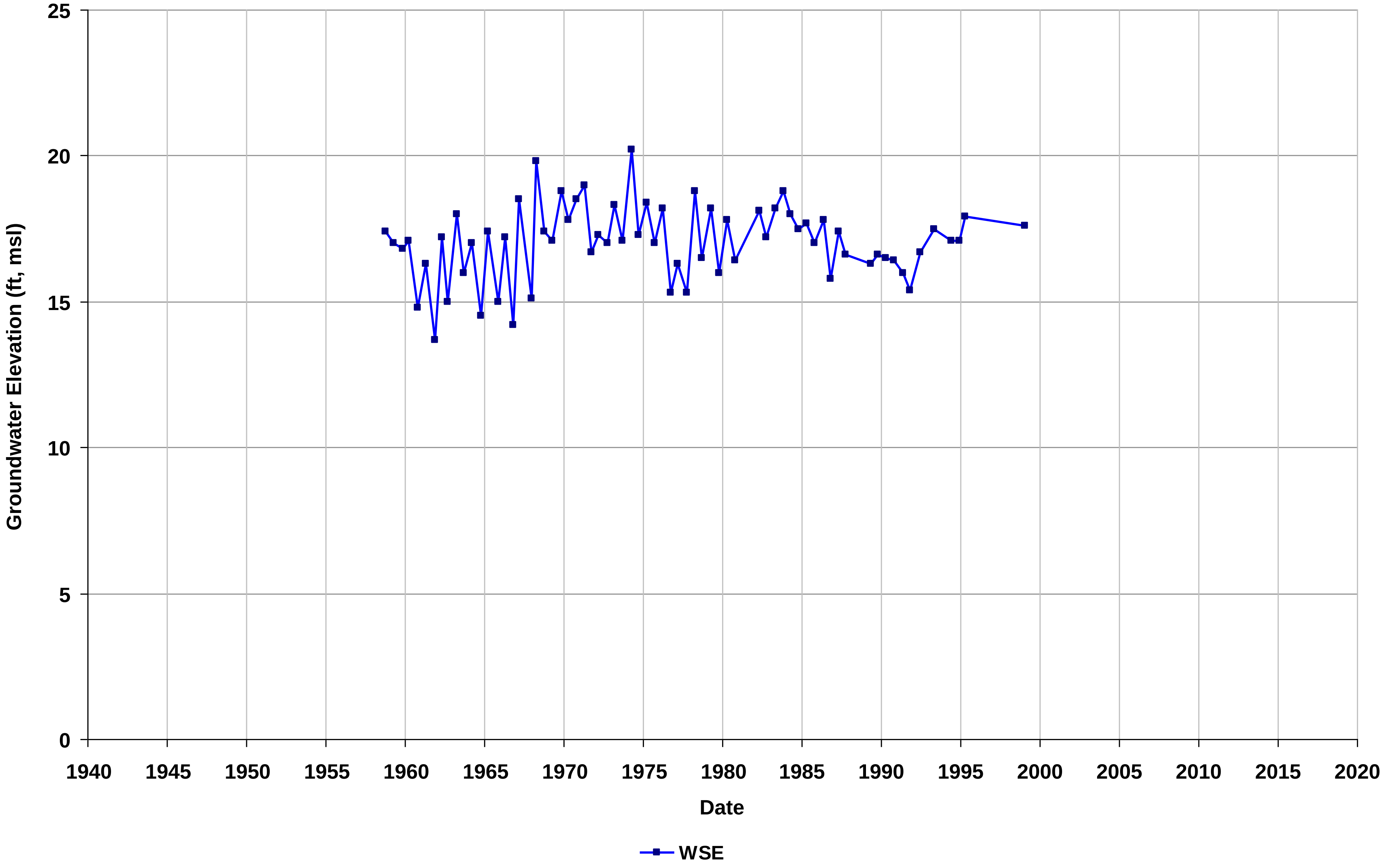
Well Name: 03S/02W-29F04
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl): 40

Total Depth (ft bgs): 120
Perf. Interval (ft bgs):
T/R/S: 03S/02W/29
Well Use: Irrigation



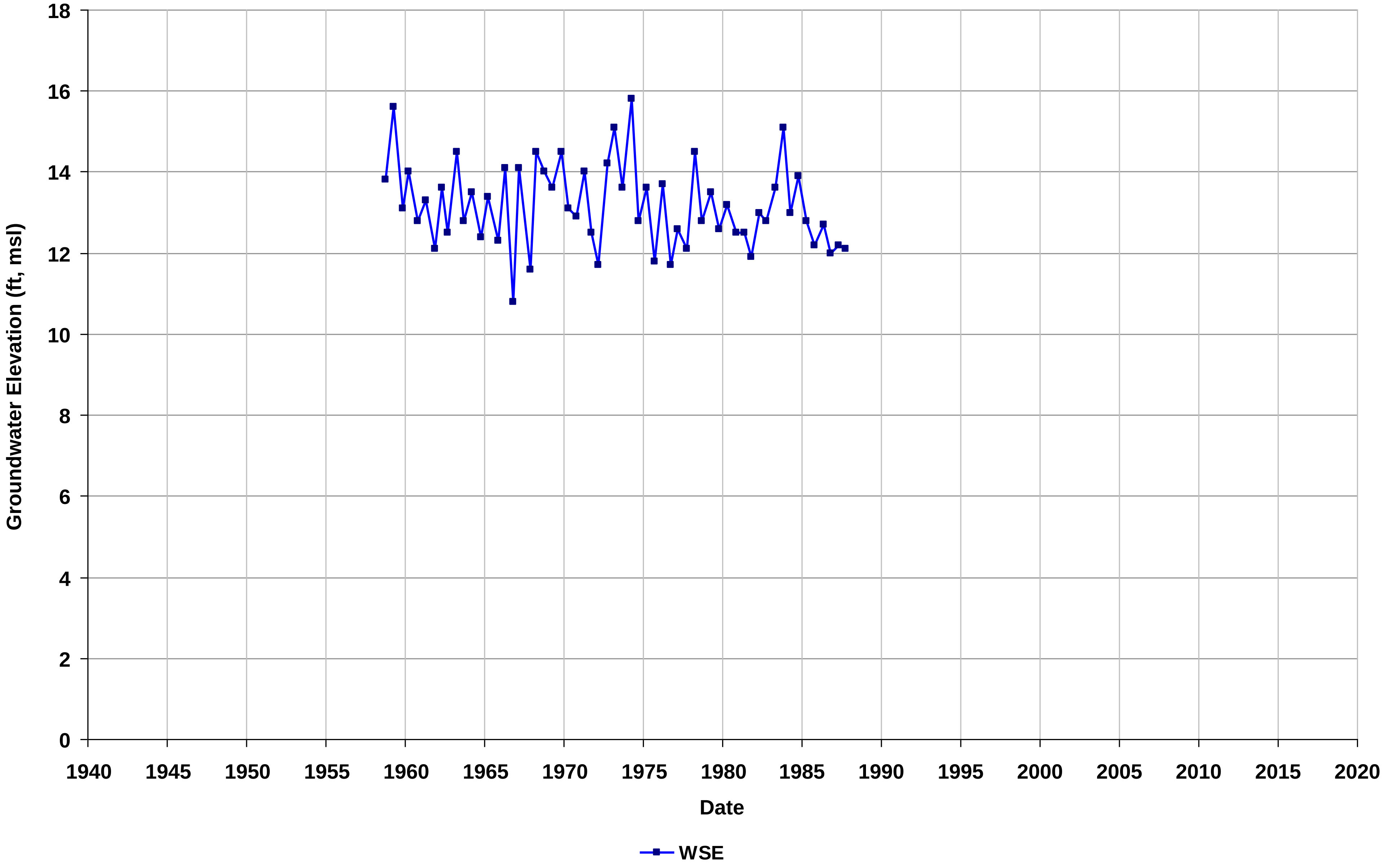
Well Name: 03S/02W-30G05
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl): 34

Total Depth (ft bgs): 75
Perf. Interval (ft bgs):
T/R/S: 03S/02W/30
Well Use: Residential



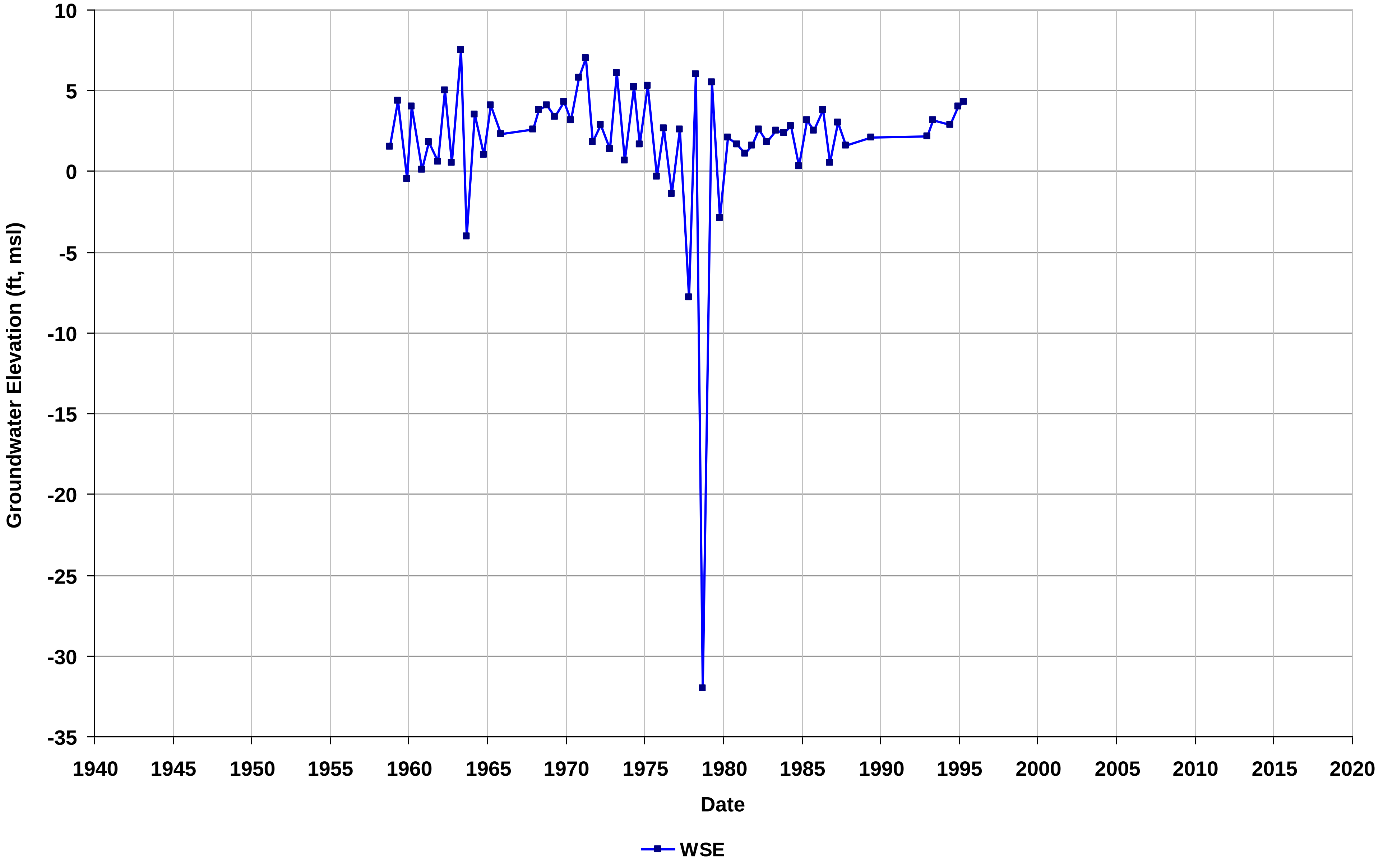
Well Name: 03S/02W-32E01
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 80
Perf. Interval (ft bgs):
T/R/S: 03S/02W/32
Well Use: Irrigation



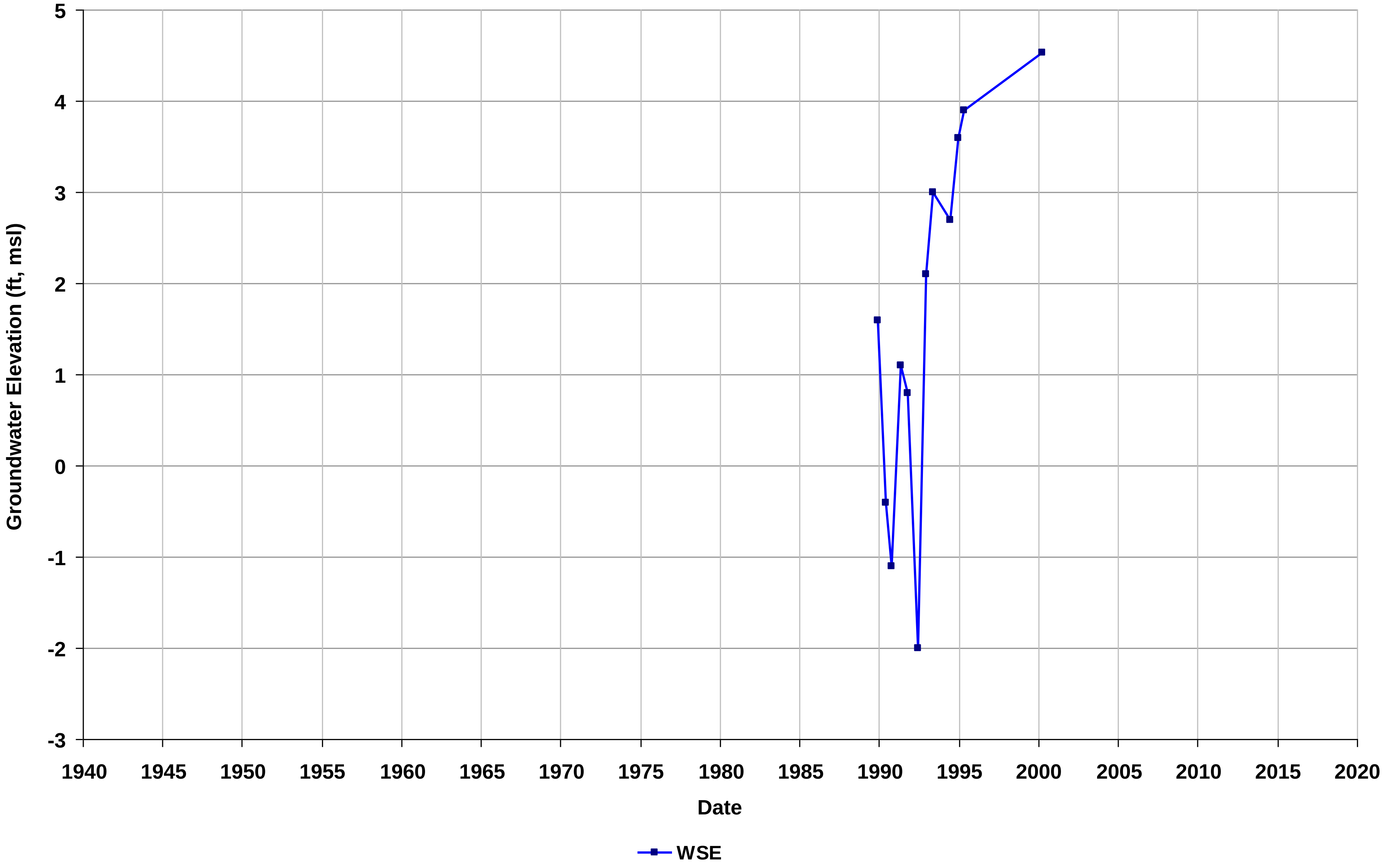
Well Name: 03S/02W-34P06
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 92
Perf. Interval (ft bgs): 33-84
T/R/S: 03S/02W/34
Well Use: Residential



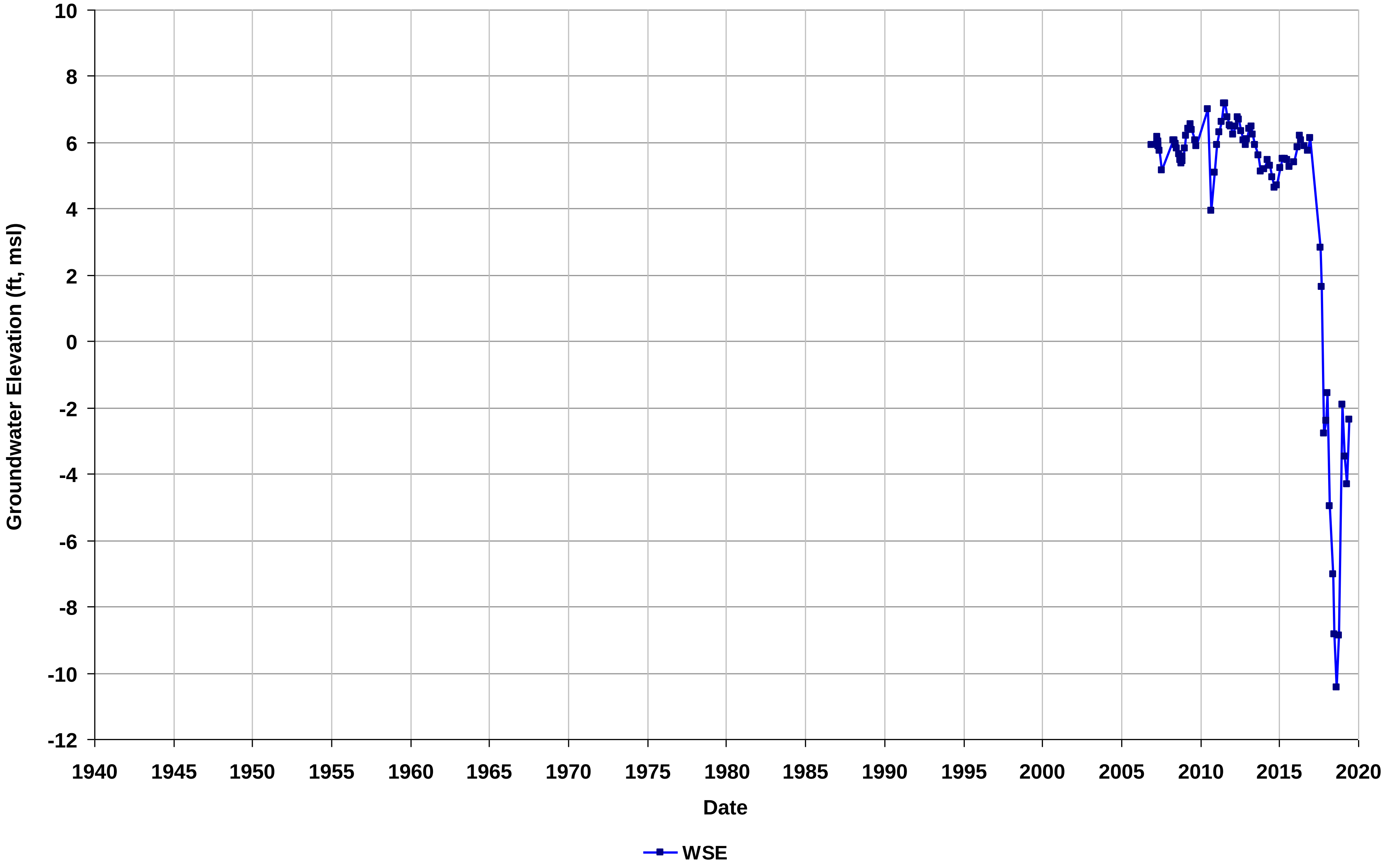
Well Name: 03S/02W-34Q22
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 80
Perf. Interval (ft bgs):
T/R/S: 03S/02W/34
Well Use: Unknown



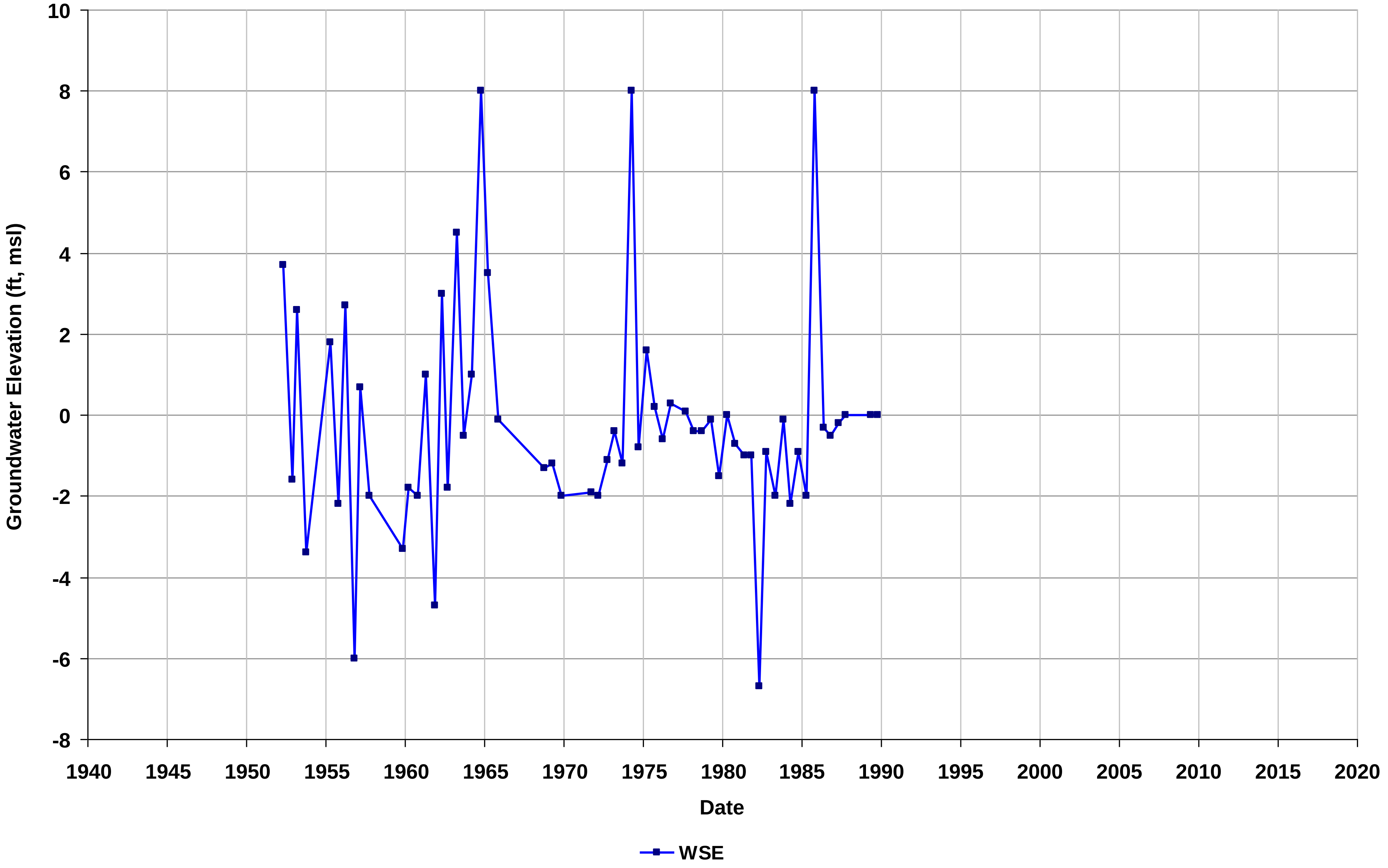
Well Name: 03S/03W-14K21
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl): 7

Total Depth (ft bgs): 138
Perf. Interval (ft bgs):
T/R/S: 03S/03W/14
Well Use: Unknown



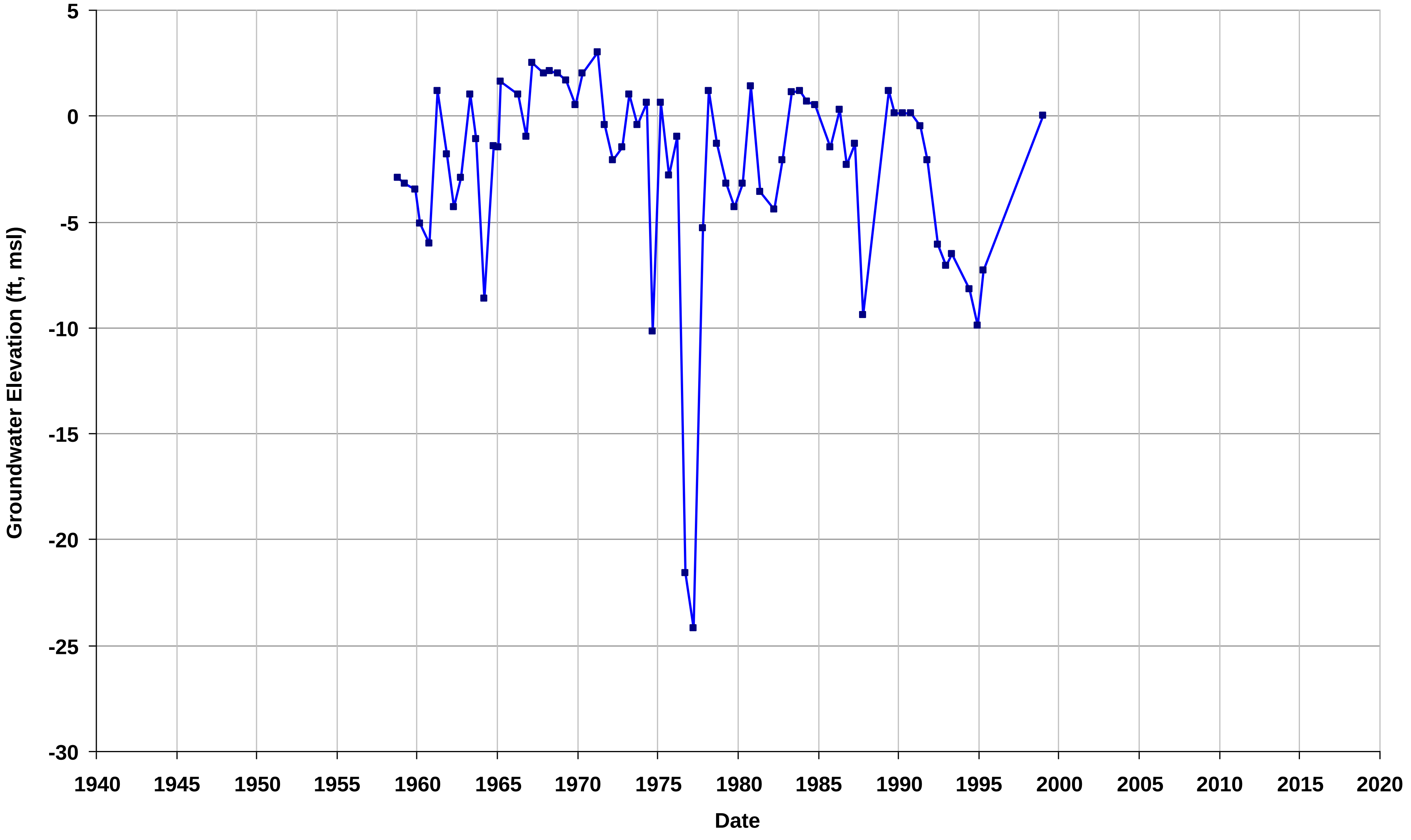
Well Name: 03S/03W-24Q02
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 80
Perf. Interval (ft bgs):
T/R/S: 03S/03W/24
Well Use: Residential



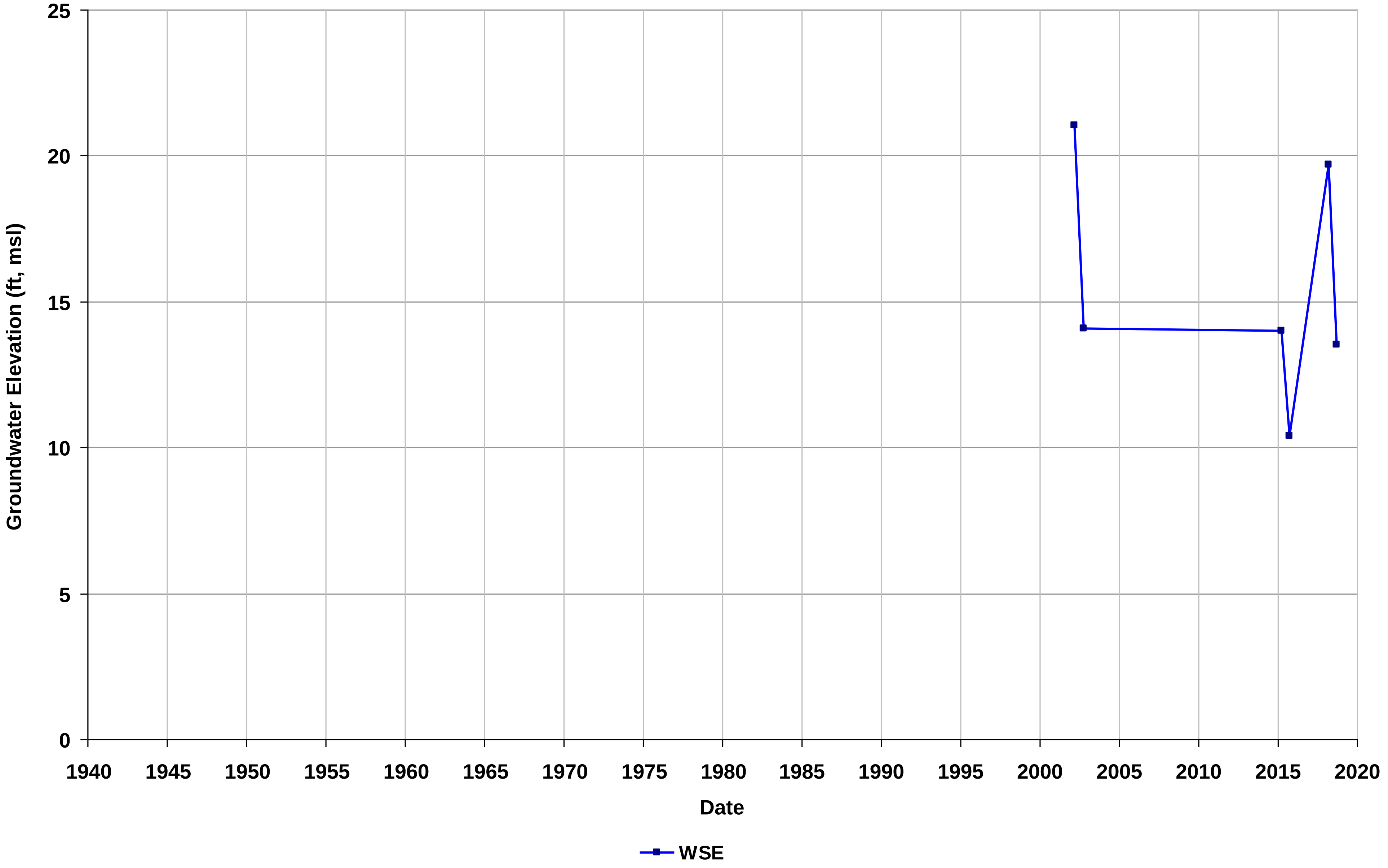
Well Name: 03S/03W-25R03
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 114
Perf. Interval (ft bgs):
T/R/S: 03S/03W/25
Well Use: Industrial



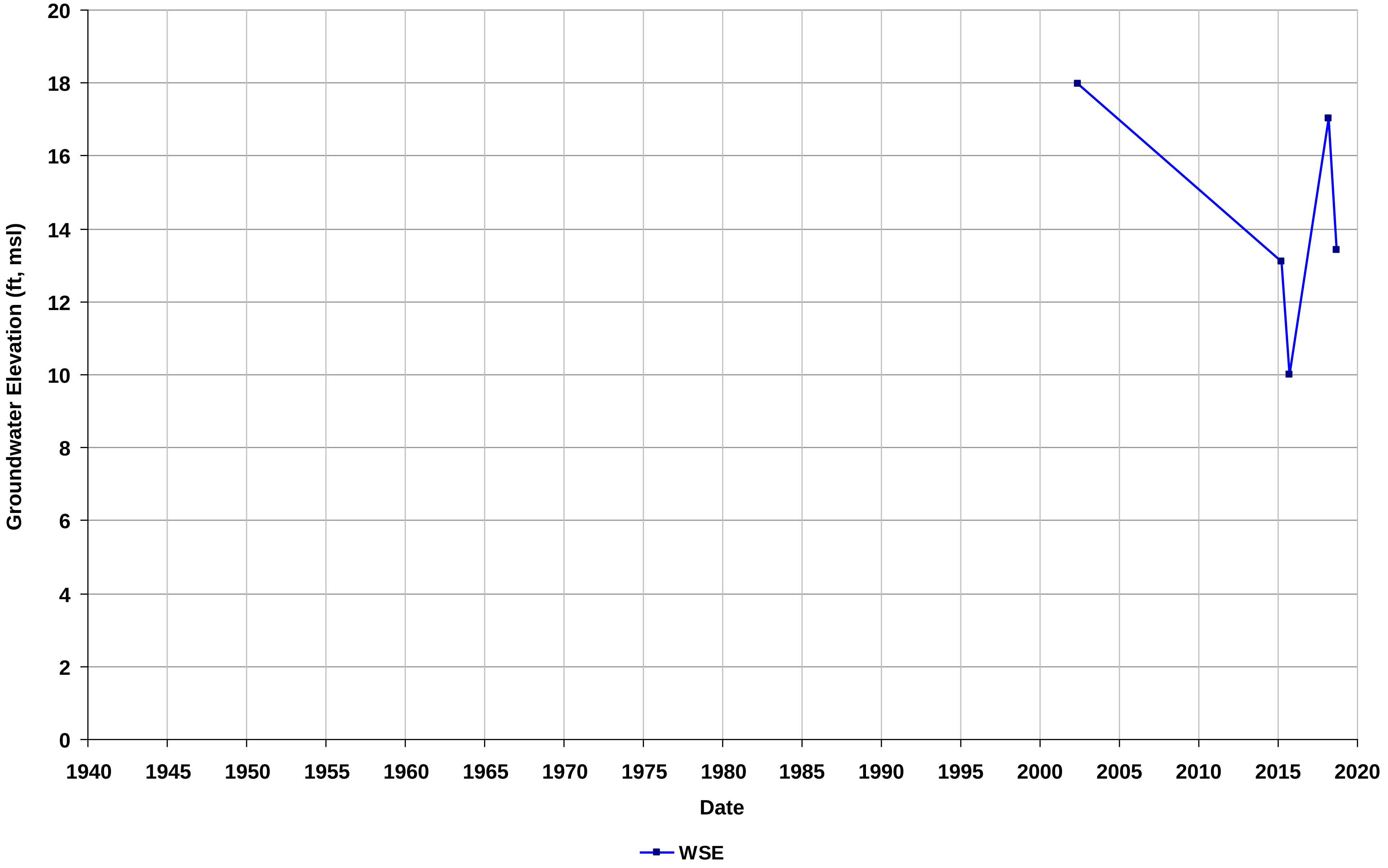
Well Name: 04S/01W-17M08
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl): 49

Total Depth (ft bgs): 125
Perf. Interval (ft bgs):
T/R/S: 04S/01W/17
Well Use: Unknown



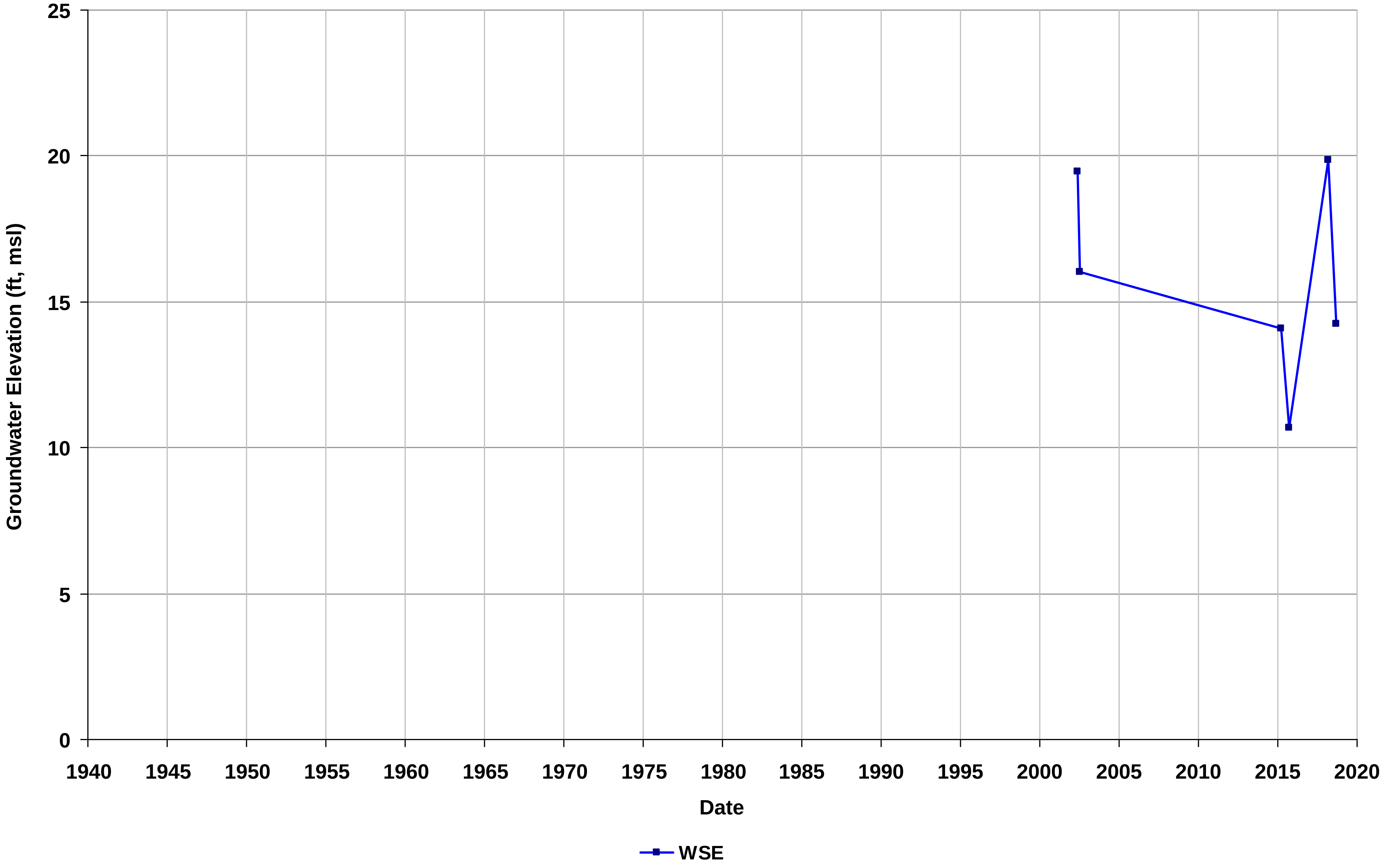
Well Name: 04S/01W-19E02
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl): 37

Total Depth (ft bgs): 147
Perf. Interval (ft bgs):
T/R/S: 04S/01W/19
Well Use: Unknown



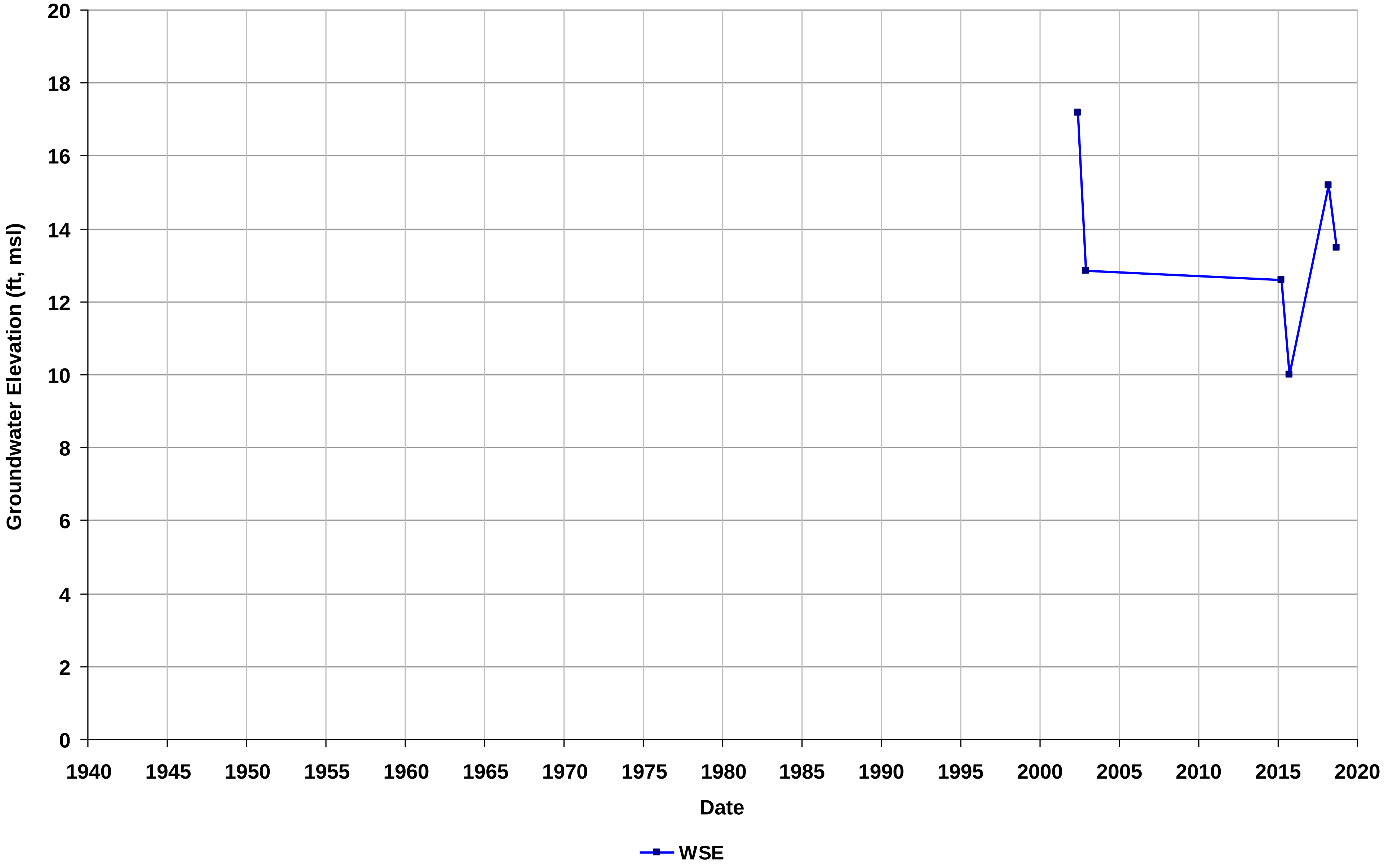
Well Name: 04S/01W-19J06
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl): 50

Total Depth (ft bgs): 145
Perf. Interval (ft bgs):
T/R/S: 04S/01W/19
Well Use: Unknown



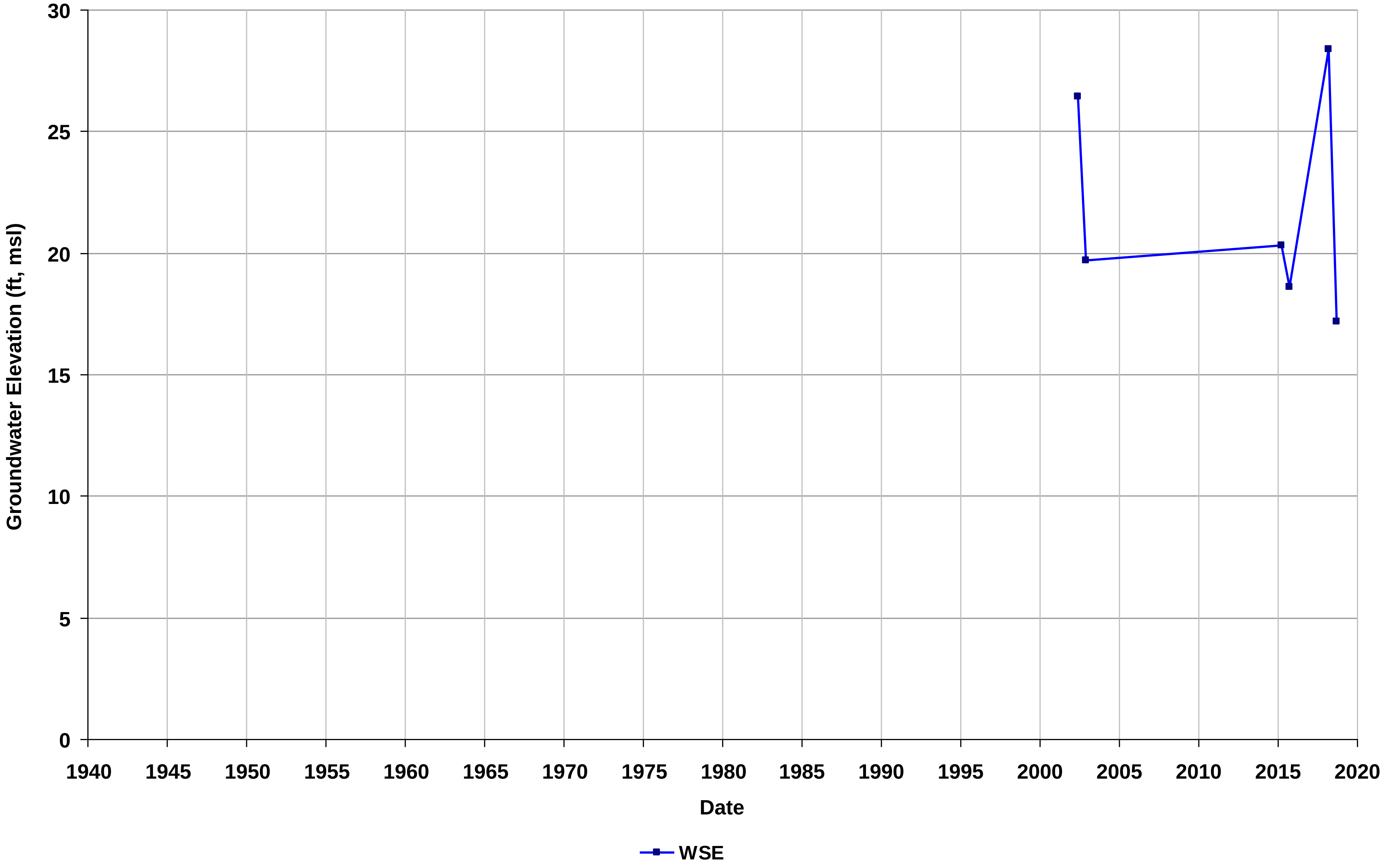
Well Name: 04S/01W-19N14
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl): 40

Total Depth (ft bgs): 100
Perf. Interval (ft bgs):
T/R/S: 04S/01W/30
Well Use: Unknown



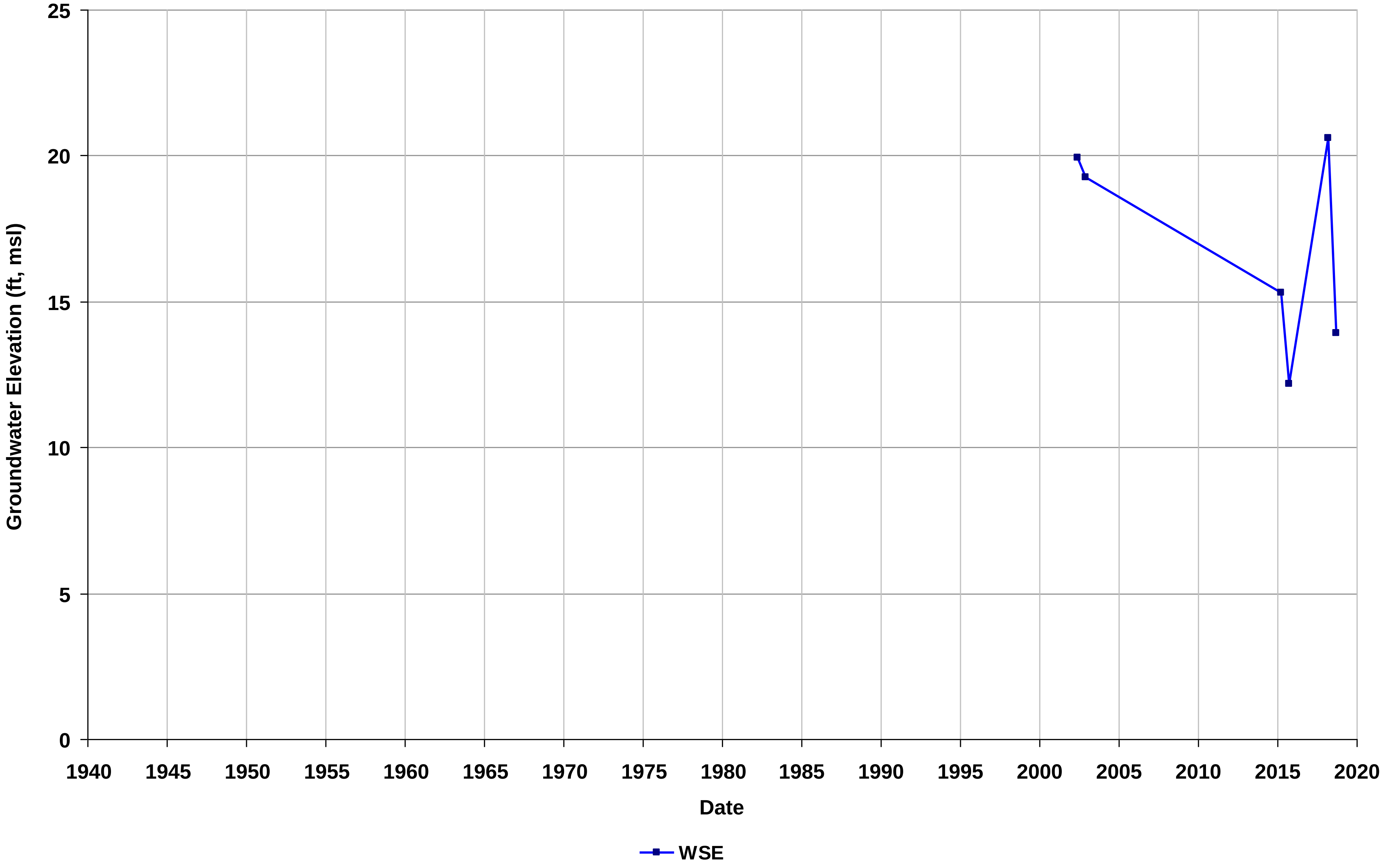
Well Name: 04S/01W-20J04
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl): 58

Total Depth (ft bgs): 50
Perf. Interval (ft bgs):
T/R/S: 04S/01W/20
Well Use: Unknown



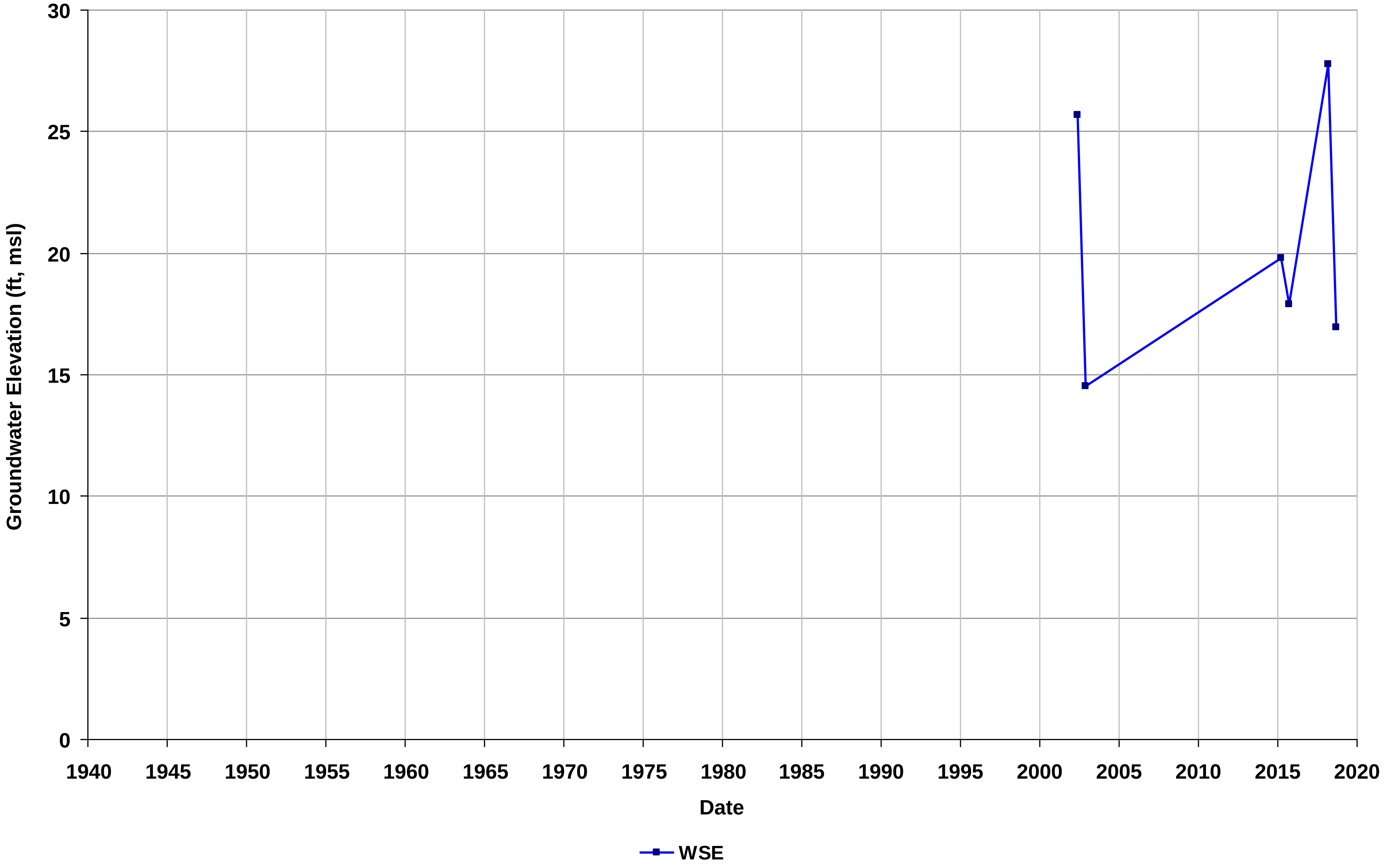
Well Name: 04S/01W-20J05
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl): 59

Total Depth (ft bgs): 109
Perf. Interval (ft bgs):
T/R/S: 04S/01W/20
Well Use: Unknown



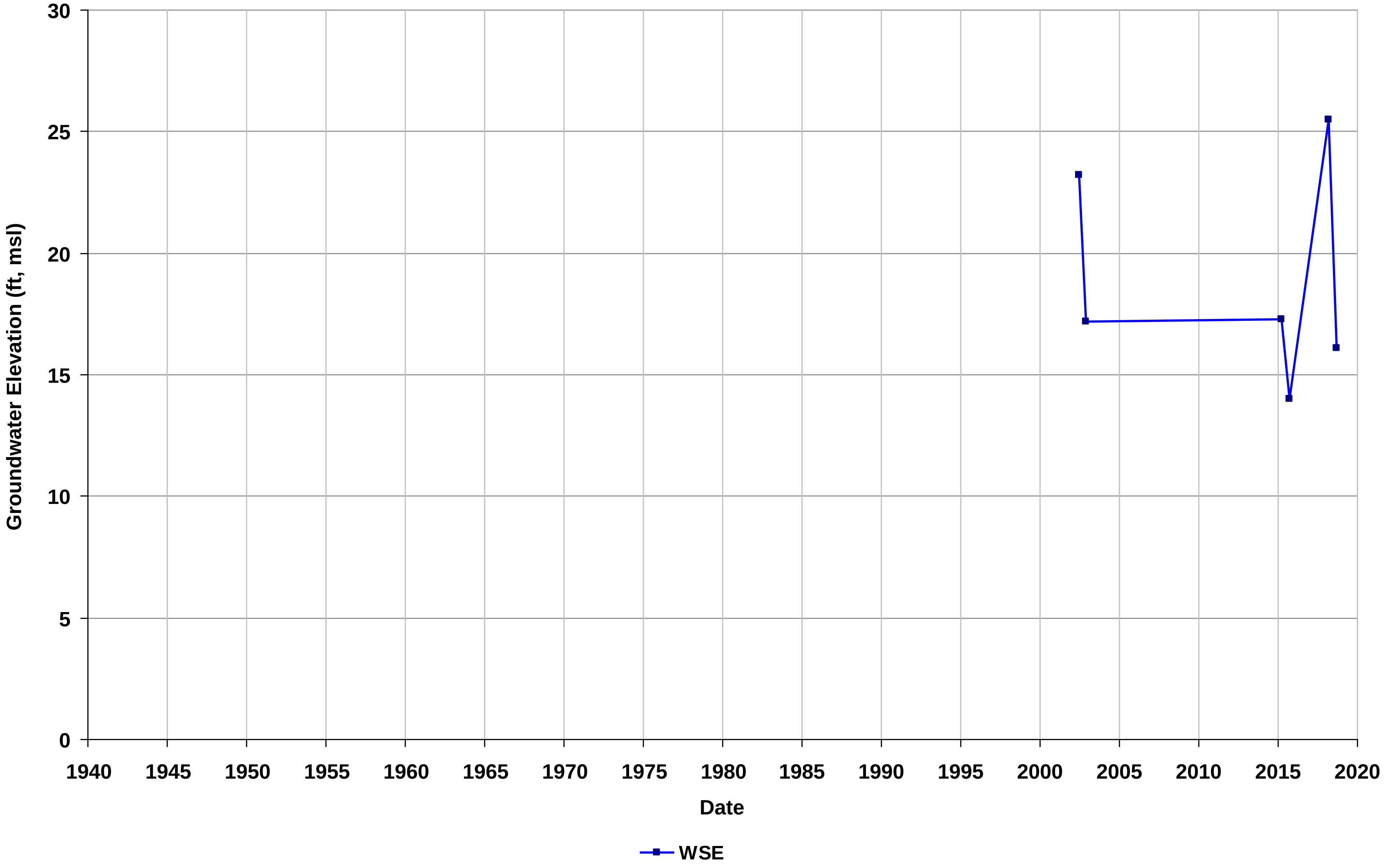
Well Name: 04S/01W-20J06
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl): 59

Total Depth (ft bgs): 80
Perf. Interval (ft bgs):
T/R/S: 04S/01W/20
Well Use: Unknown



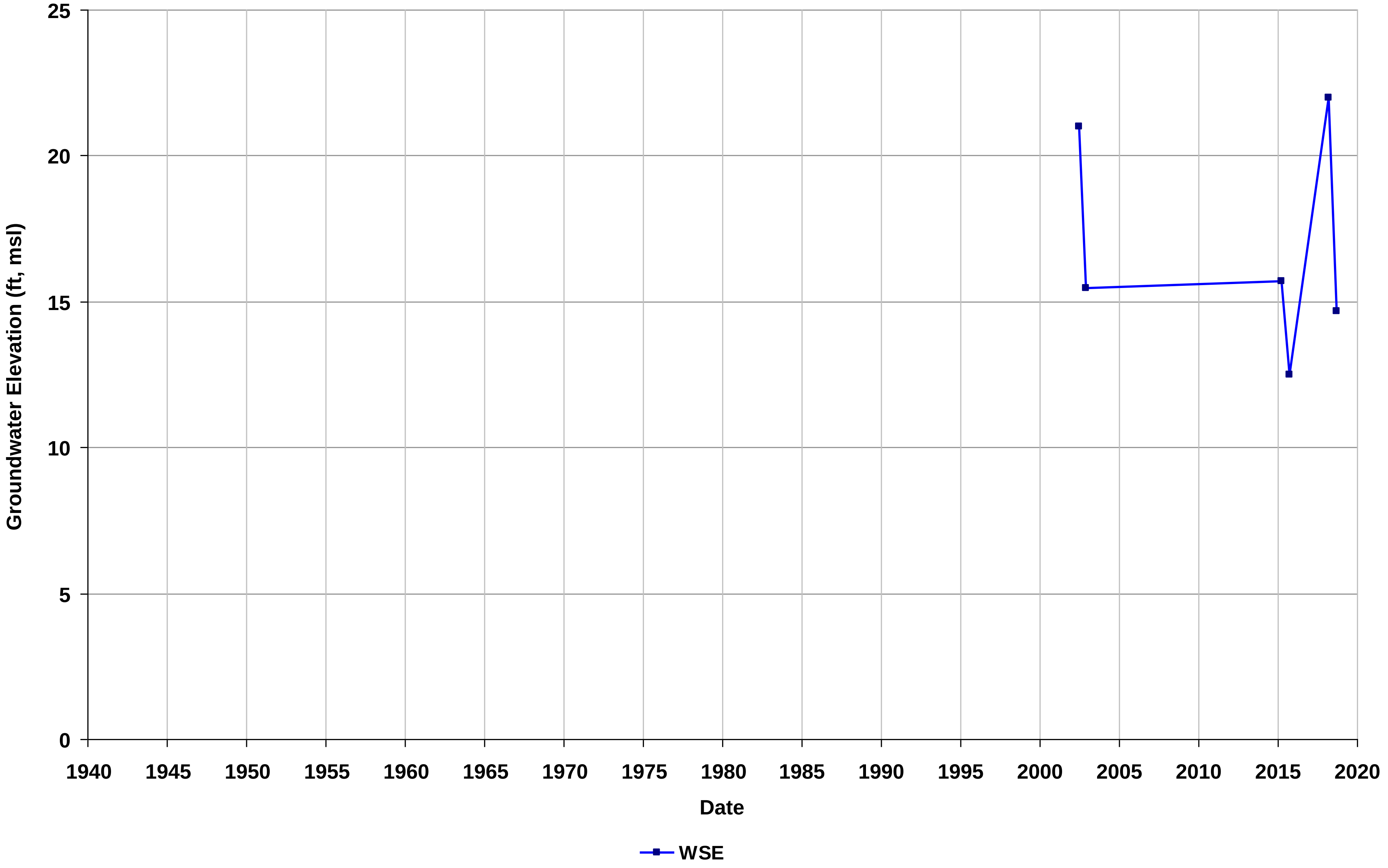
Well Name: 04S/01W-20R03
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl): 59

Total Depth (ft bgs): 58
Perf. Interval (ft bgs):
T/R/S: 04S/01W/20
Well Use: Unknown



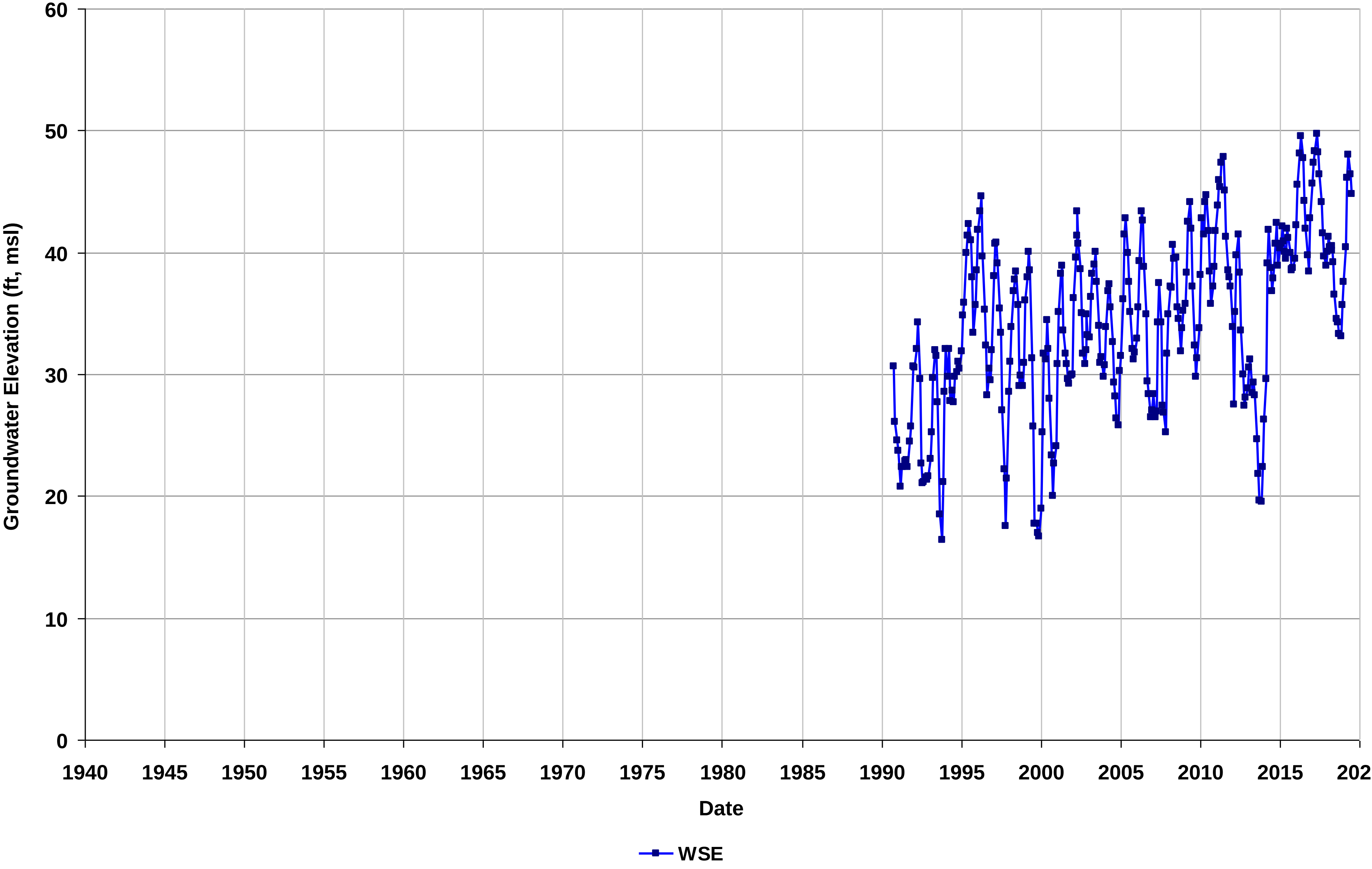
Well Name: 04S/01W-20R04
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl): 59

Total Depth (ft bgs): 84
Perf. Interval (ft bgs):
T/R/S: 04S/01W/20
Well Use: Unknown



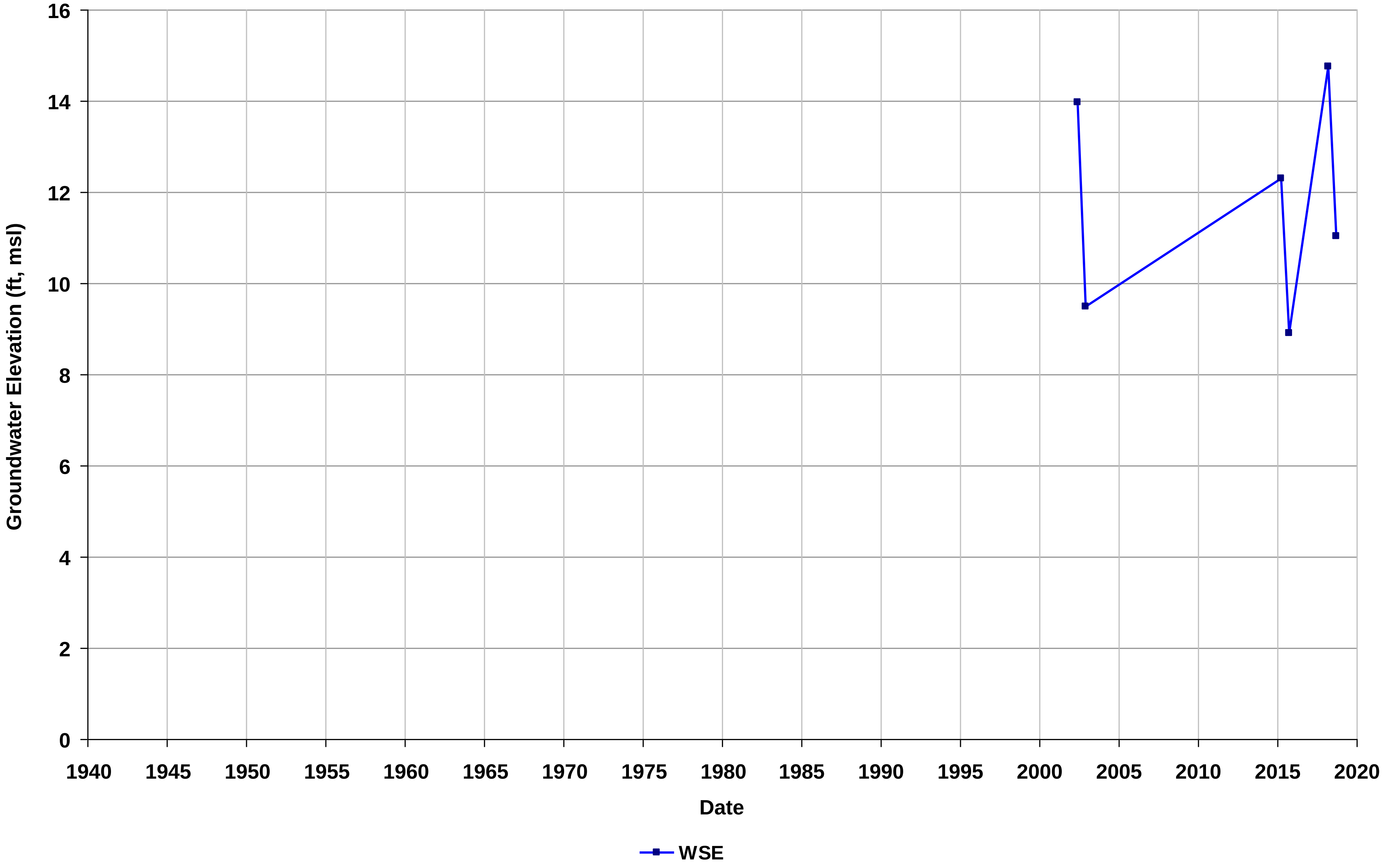
Well Name: 04S/01W-27D08
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 110
Perf. Interval (ft bgs): 60-110
T/R/S: 04S/01W/27
Well Use: Observation



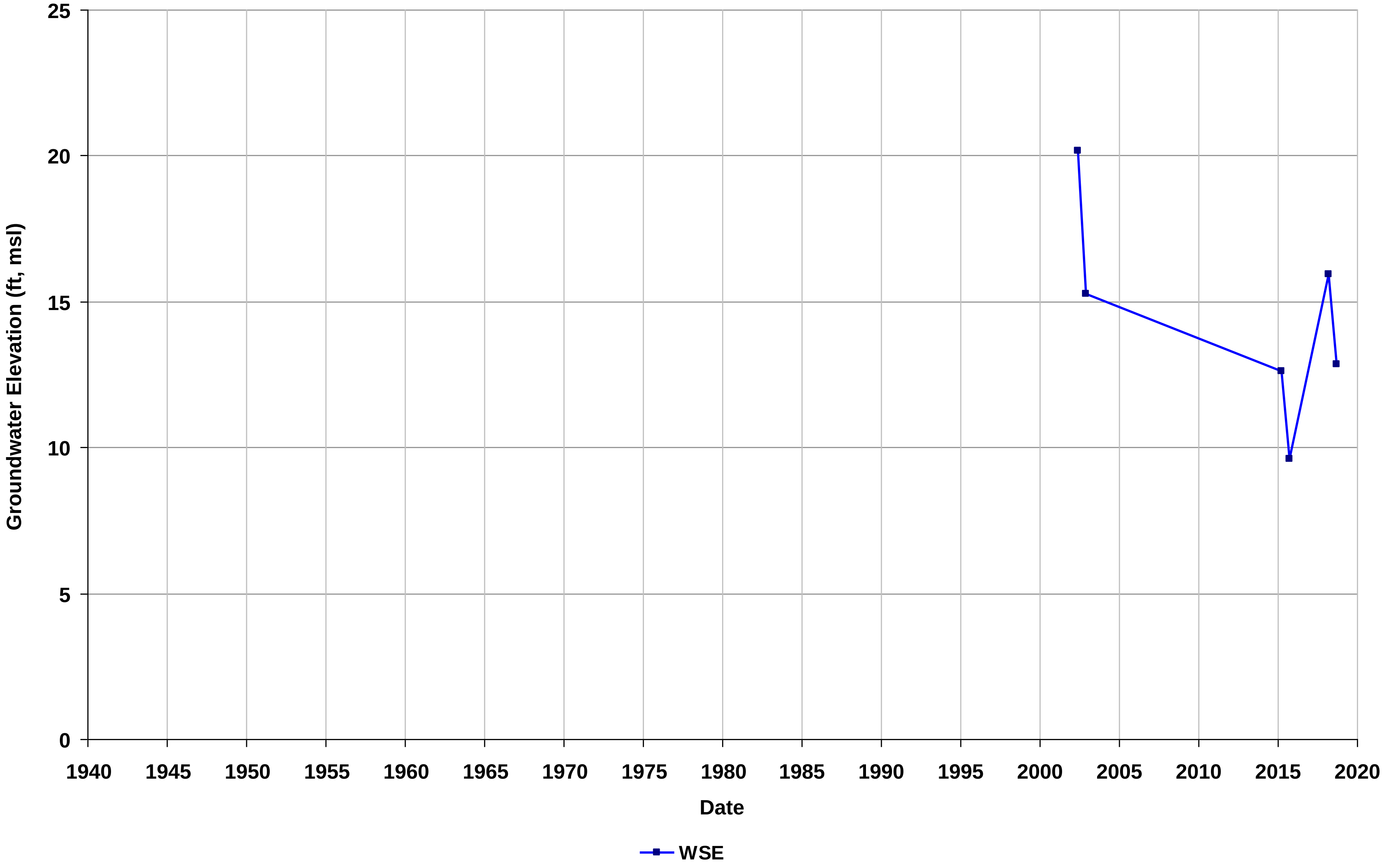
Well Name: 04S/01W-28D12
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl): 62

Total Depth (ft bgs): 160
Perf. Interval (ft bgs):
T/R/S: 04S/01W/28
Well Use: Unknown



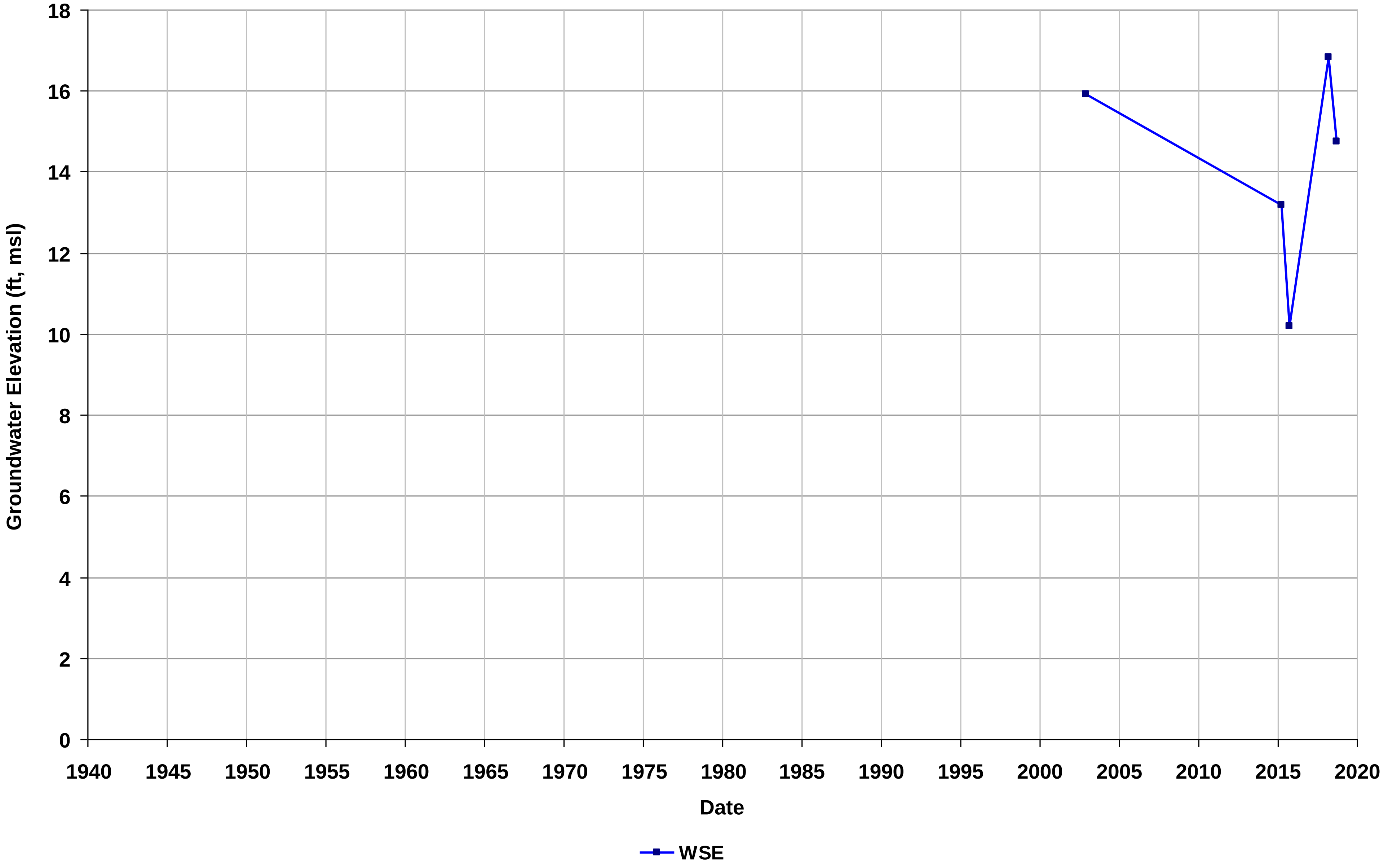
Well Name: 04S/01W-30A05
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl): 54

Total Depth (ft bgs): 150
Perf. Interval (ft bgs): 110-150
T/R/S: 04S/01W/30
Well Use: Observation



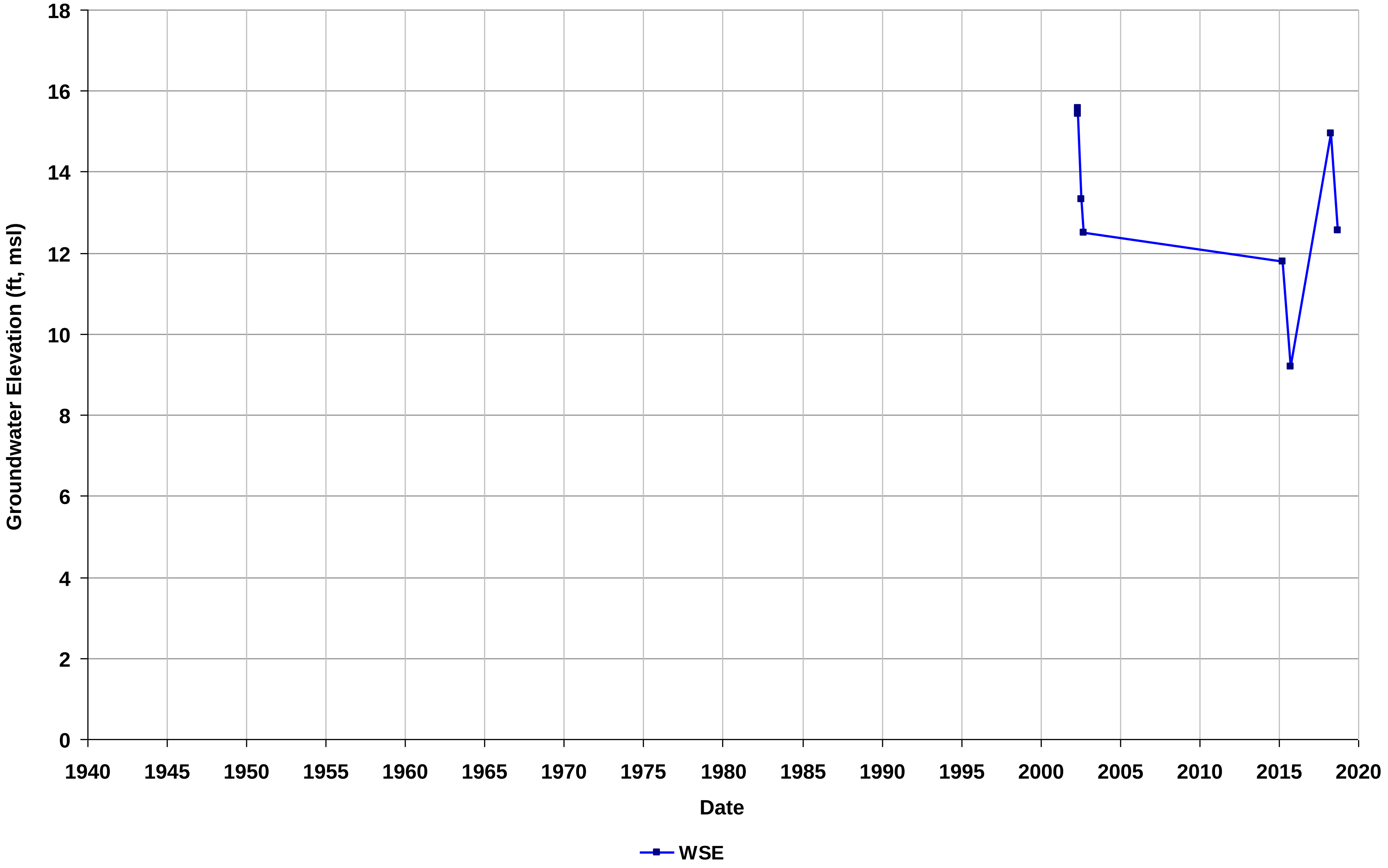
Well Name: 04S/02W-12K11
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl): 56

Total Depth (ft bgs): 164
Perf. Interval (ft bgs): 110-150
T/R/S: 04S/02W/12
Well Use: Observation



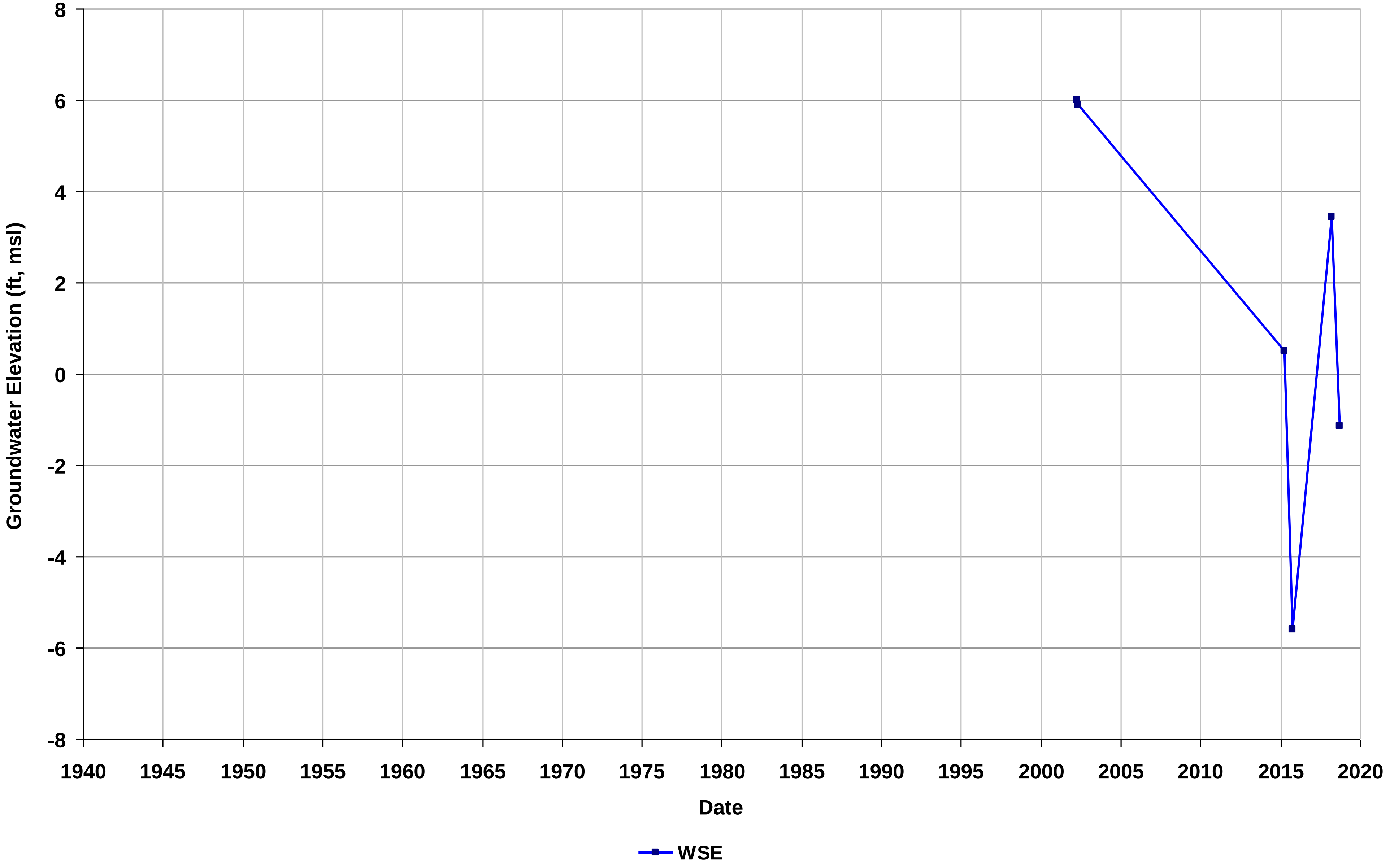
Well Name: 04S/02W-13E03
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl): 27

Total Depth (ft bgs): 144
Perf. Interval (ft bgs):
T/R/S: 04S/02W/13
Well Use: Unknown



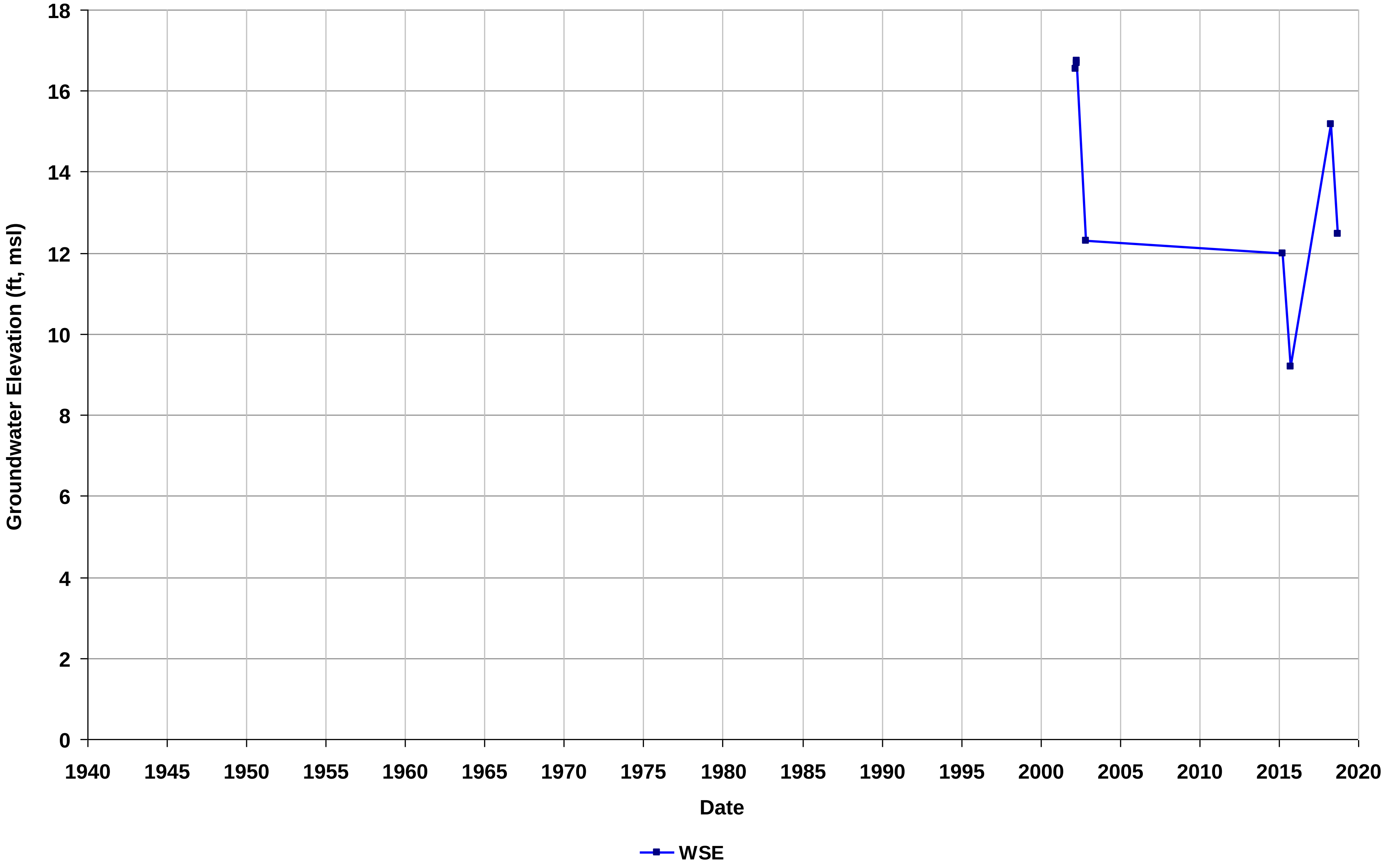
Well Name: 04S/02W-13M05
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl): 26

Total Depth (ft bgs): 210
Perf. Interval (ft bgs):
T/R/S: 04S/02W/13
Well Use: Unknown



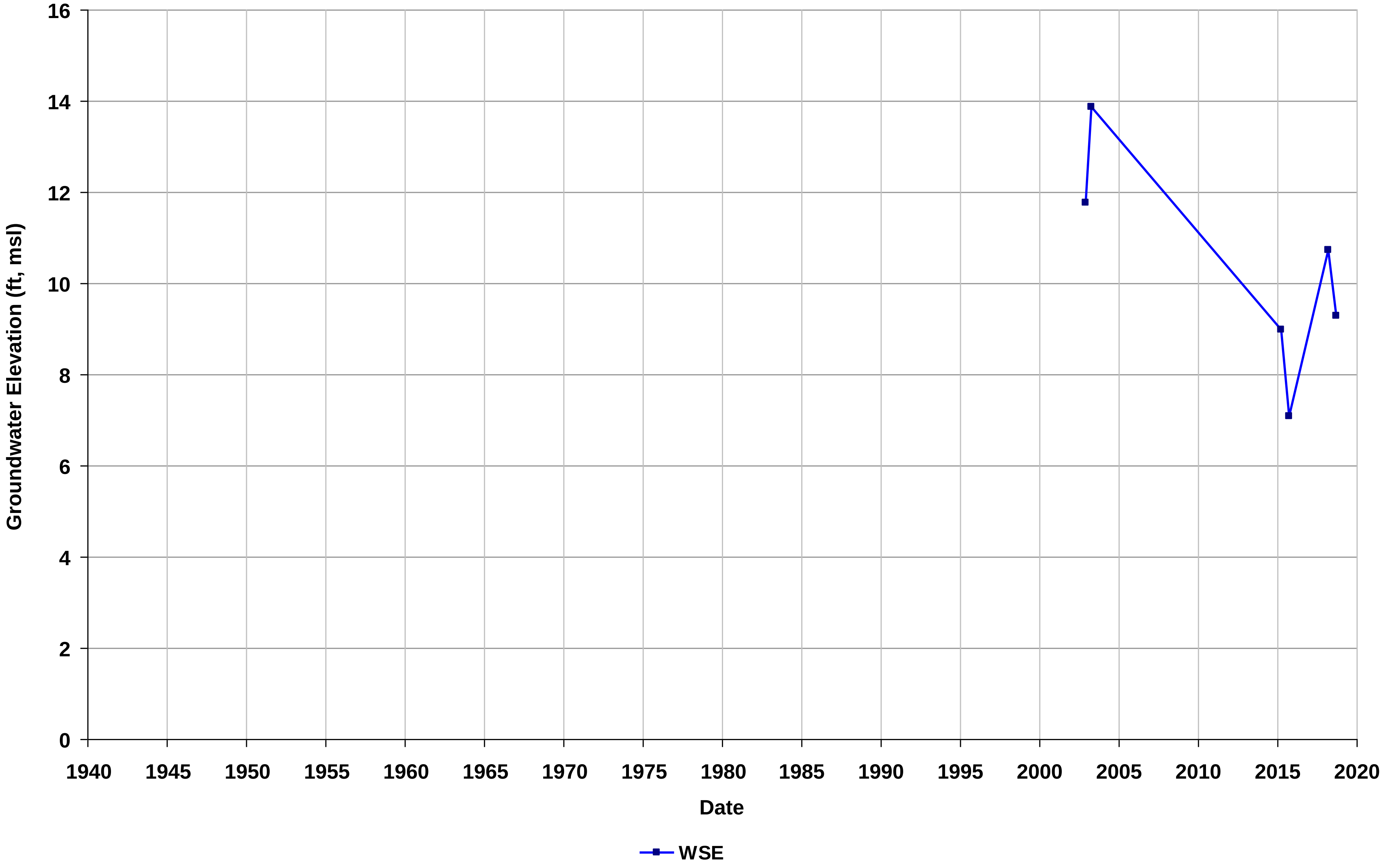
Well Name: 04S/02W-13P04
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl): 25

Total Depth (ft bgs): 145
Perf. Interval (ft bgs):
T/R/S: 04S/02W/13
Well Use: Unknown



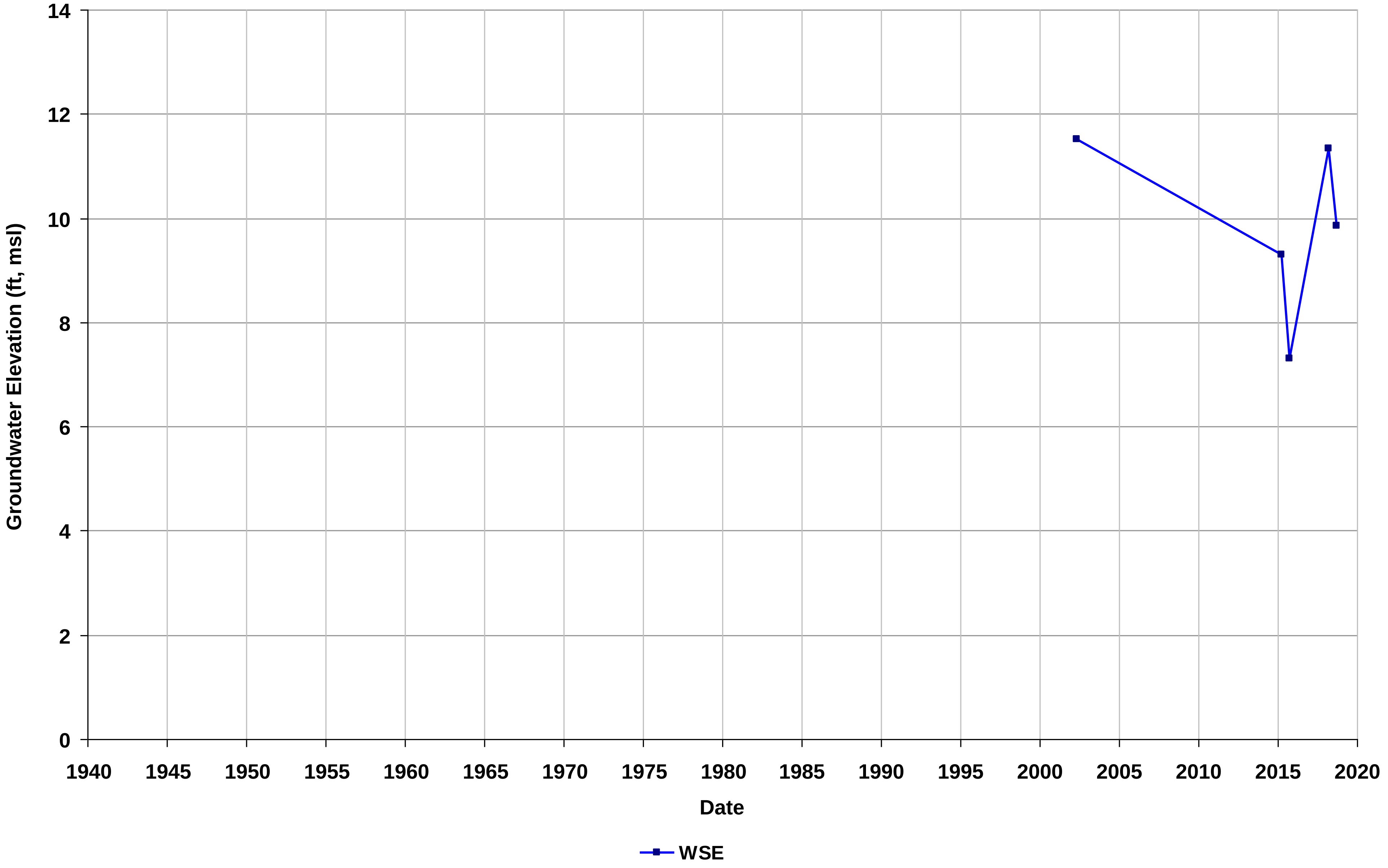
Well Name: 04S/02W-14D07
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl): 16

Total Depth (ft bgs): 120
Perf. Interval (ft bgs): 70-110
T/R/S: 04S/02W/14
Well Use: Observation



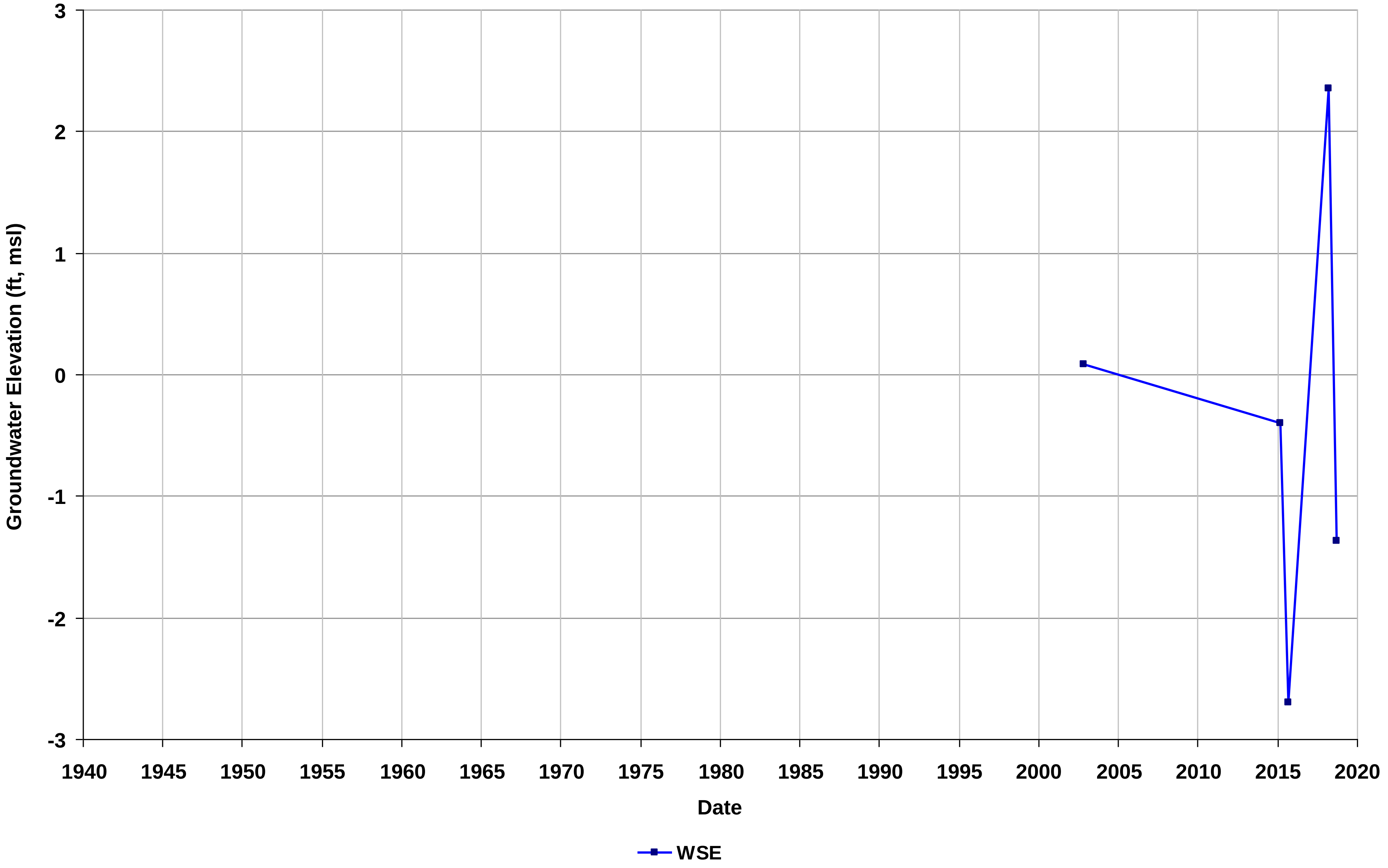
Well Name: 04S/02W-14L06
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl): 14

Total Depth (ft bgs): 120
Perf. Interval (ft bgs):
T/R/S: 04S/02W/14
Well Use: Unknown



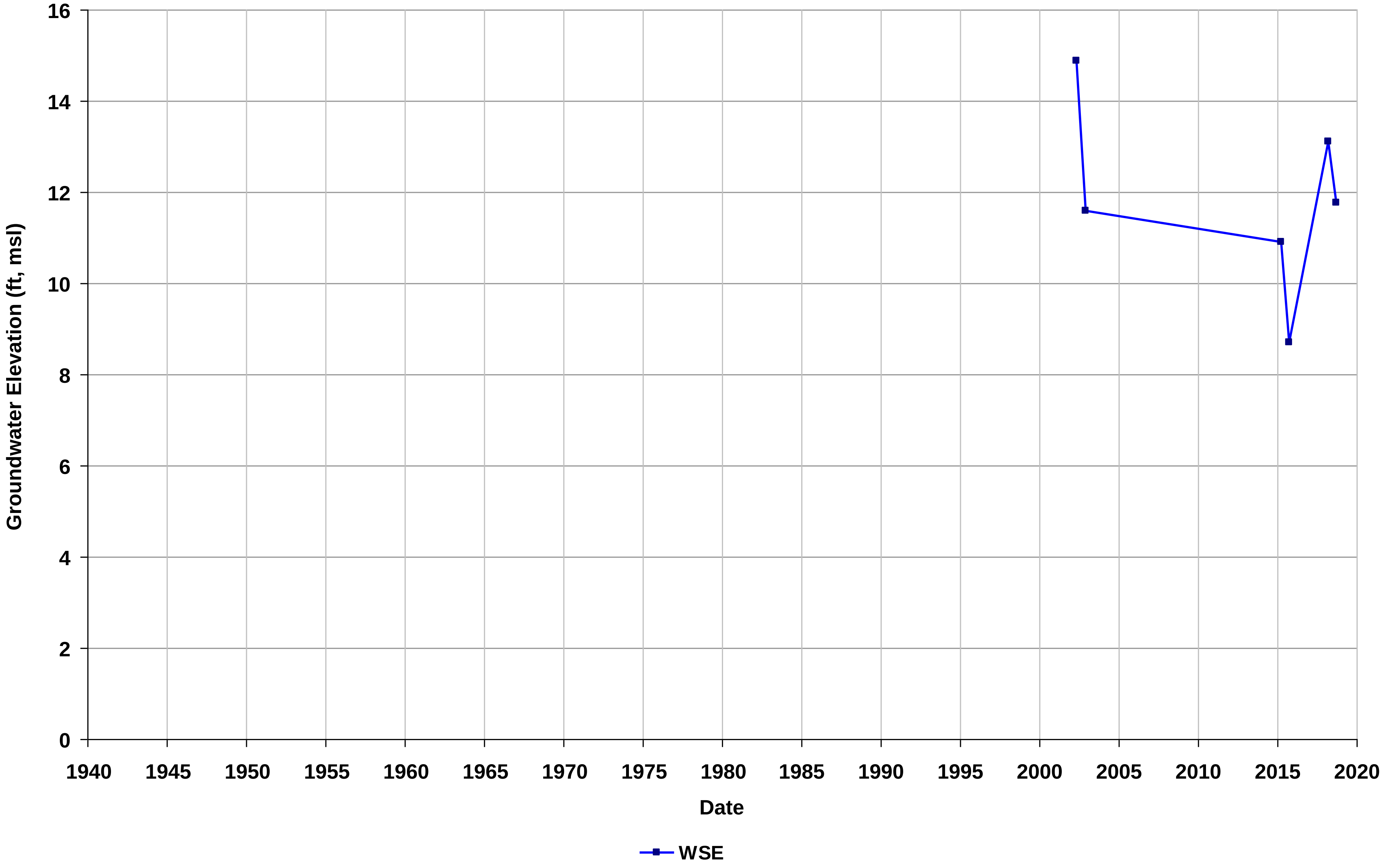
Well Name: 04S/02W-15L06
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl): 7

Total Depth (ft bgs): 200
Perf. Interval (ft bgs):
T/R/S: 04S/02W/15
Well Use: Unknown



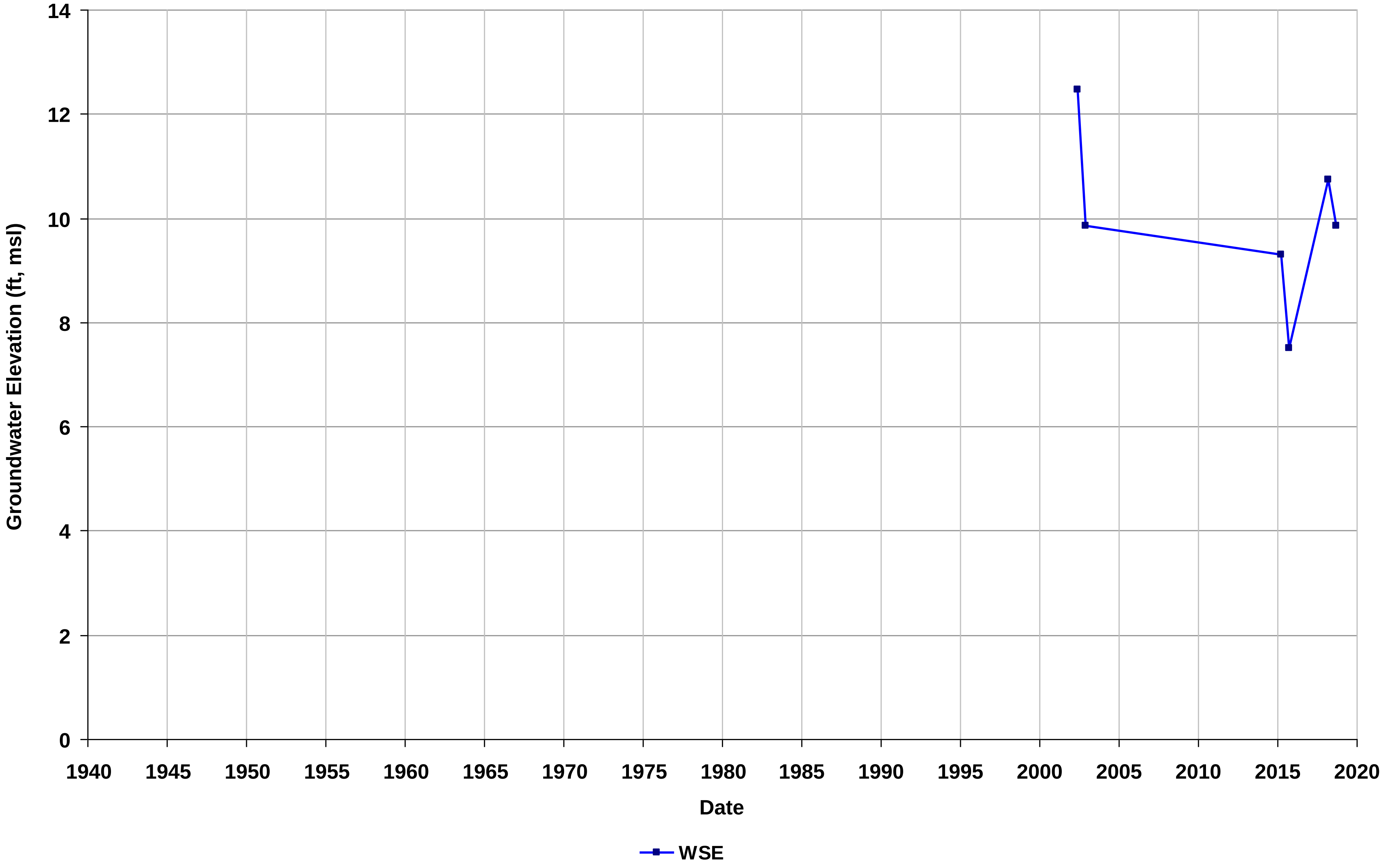
Well Name: 04S/02W-25D03
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl): 23

Total Depth (ft bgs): 154
Perf. Interval (ft bgs):
T/R/S: 04S/02W/25
Well Use: Unknown



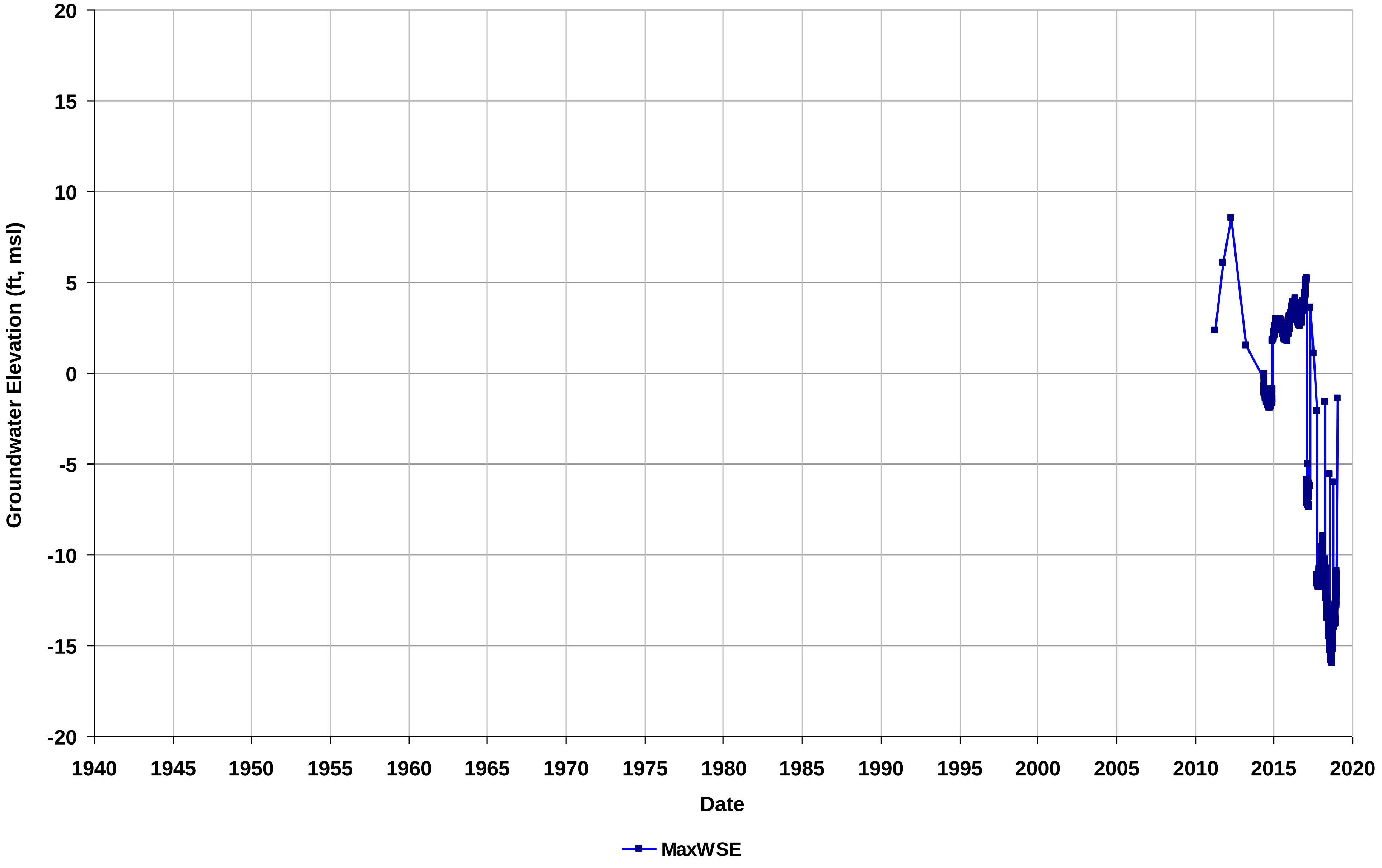
Well Name: 04S/02W-26K06
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl): 19

Total Depth (ft bgs): 145
Perf. Interval (ft bgs):
T/R/S: 04S/02W/26
Well Use: Unknown



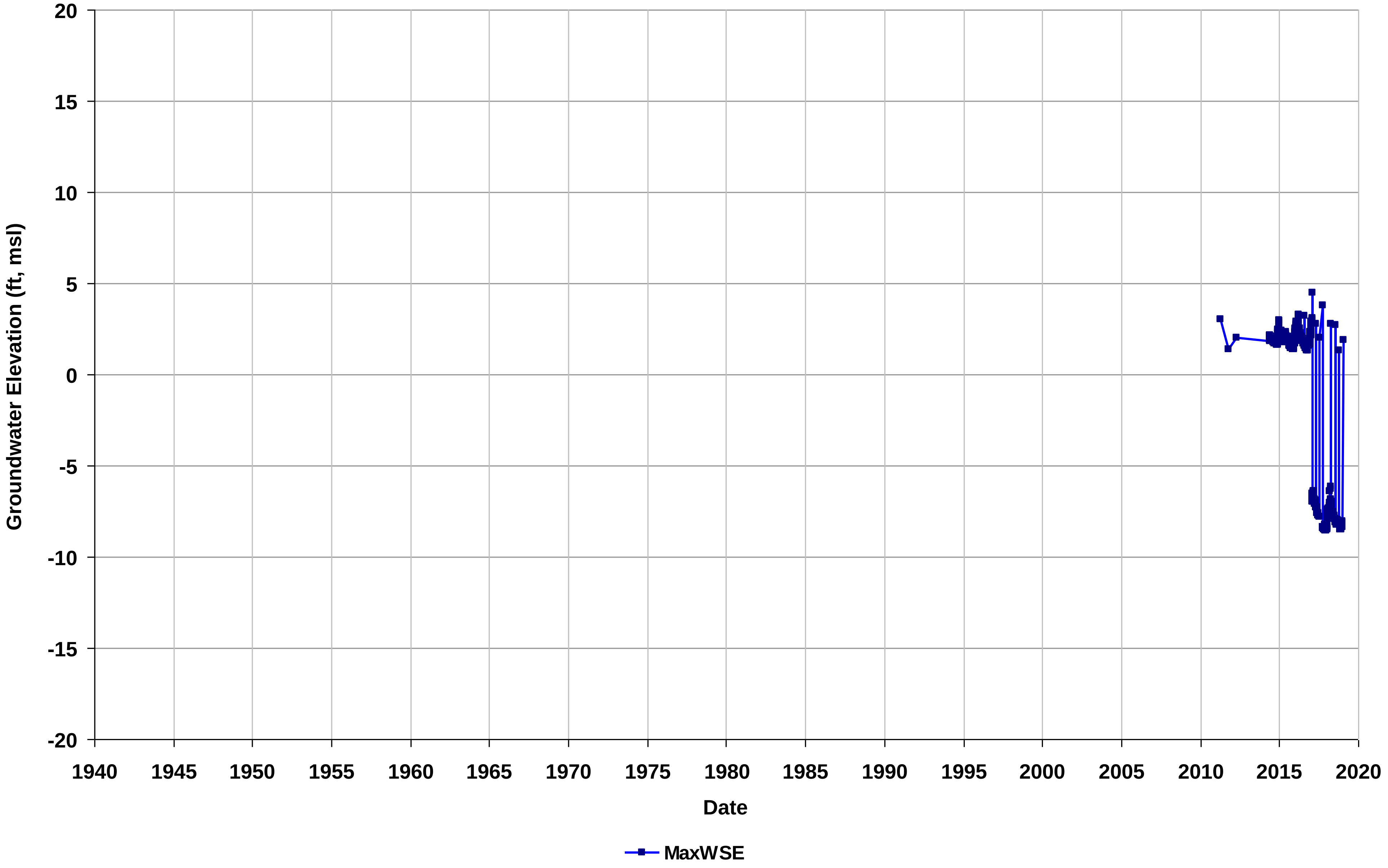
Well Name: EBMUD MW-2I
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl): 6

Total Depth (ft bgs): 210
Perf. Interval (ft bgs): 160-190
T/R/S: 03S/03W/14
Well Use: Observation



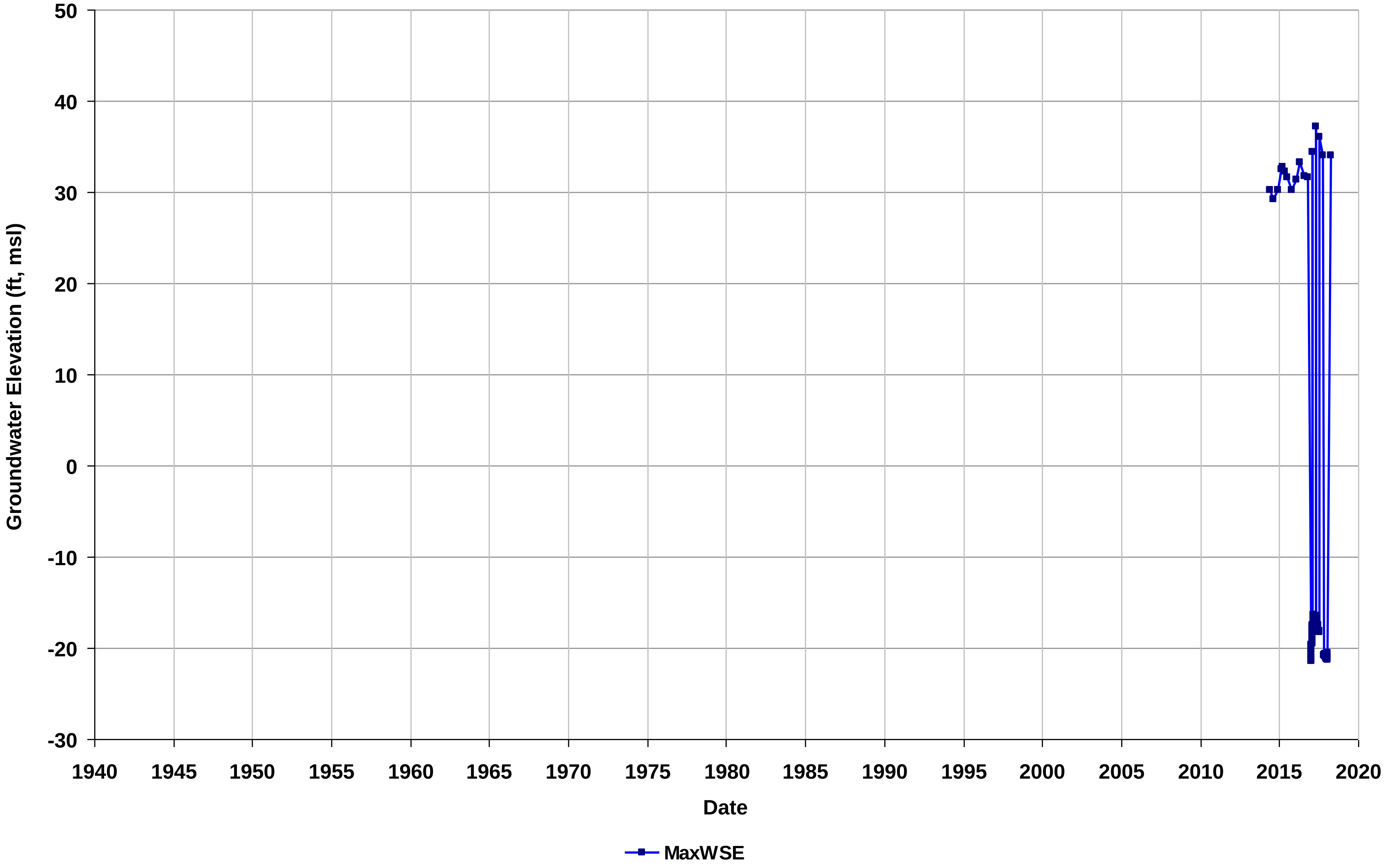
Well Name: EBMUD MW-2S
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl): 6

Total Depth (ft bgs): 210
Perf. Interval (ft bgs): 40-60
T/R/S: 03S/03W/14
Well Use: Observation



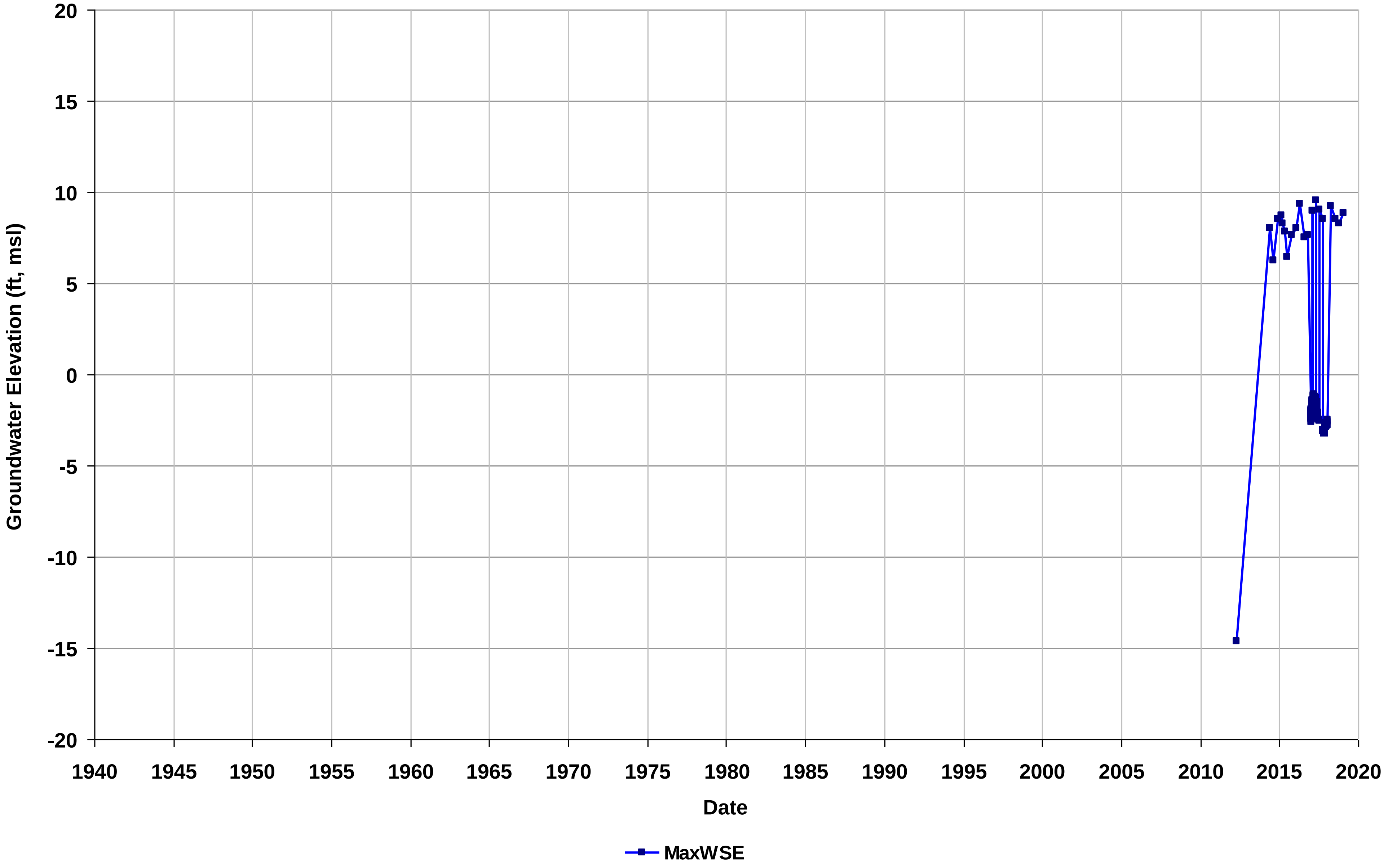
Well Name: EBMUD MW-9S
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl): 54

Total Depth (ft bgs): 460
Perf. Interval (ft bgs): 110-120
T/R/S: 03S/02W/08
Well Use: Observation



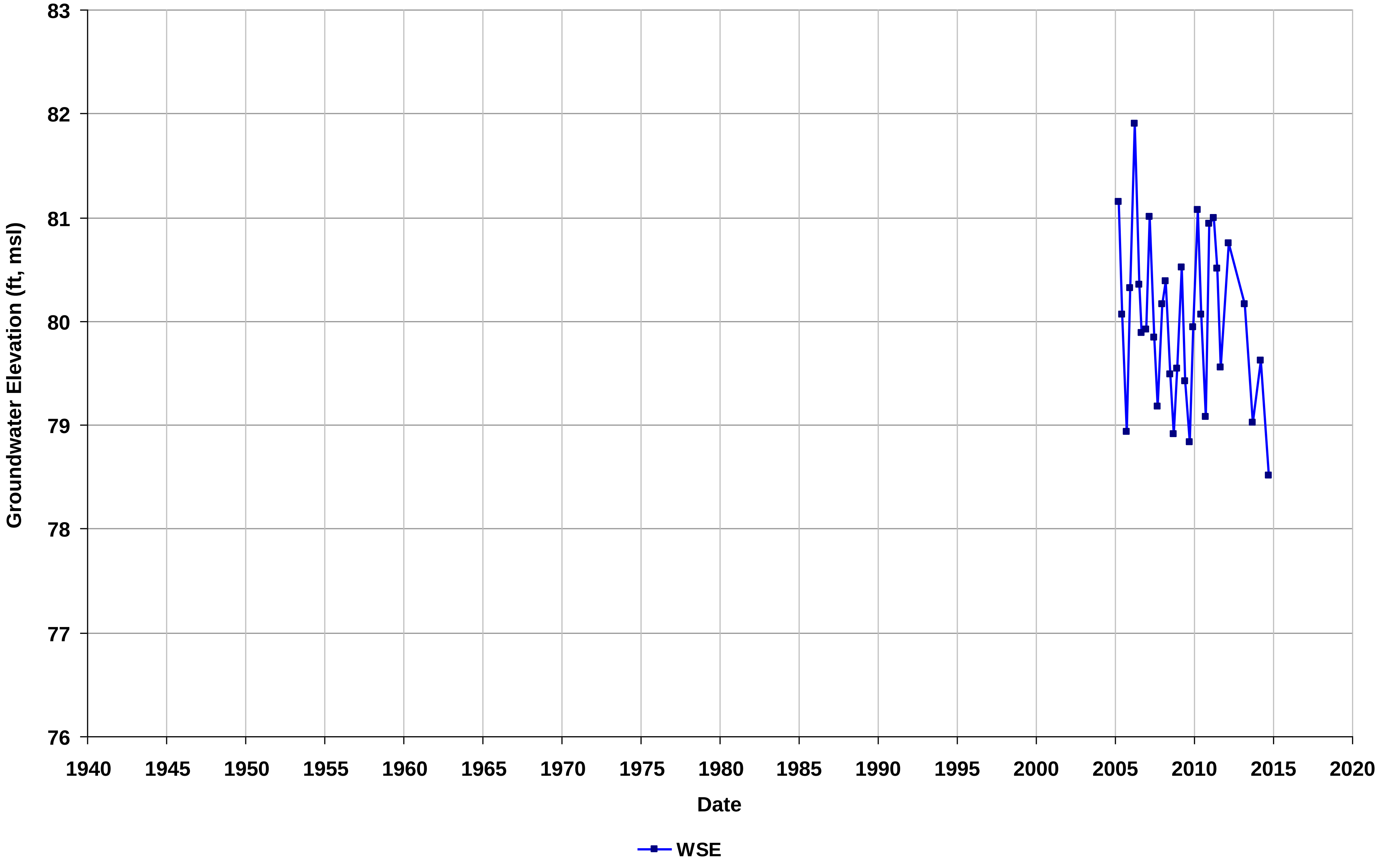
Well Name: EBMUD MW-10S
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl): 11

Total Depth (ft bgs): 680
Perf. Interval (ft bgs): 100-120
T/R/S: 03S/03W/11
Well Use: Observation



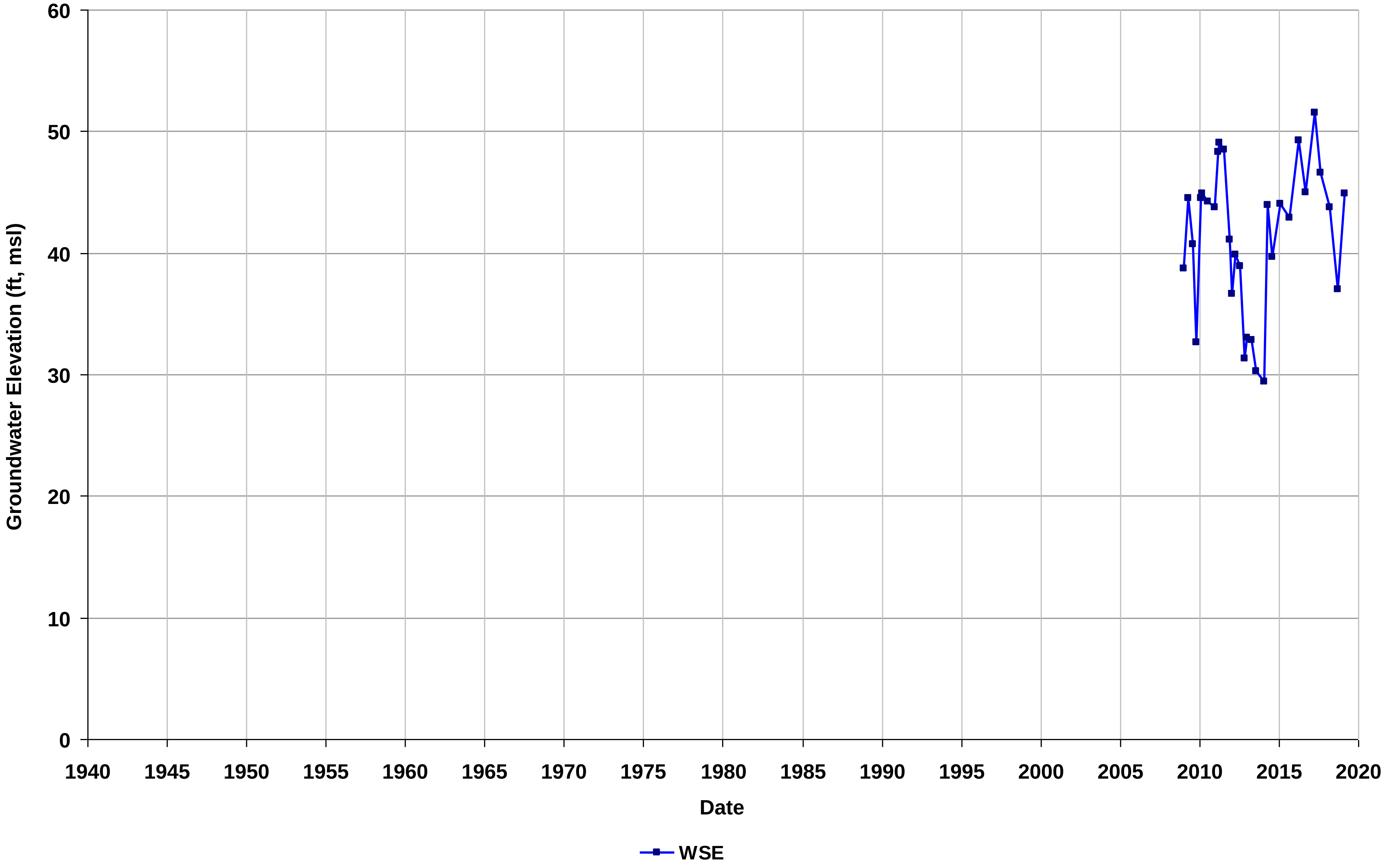
Well Name: SL0600114143-MW-F2
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 44.9-60
T/R/S: 02S/03W/34
Well Use: Observation



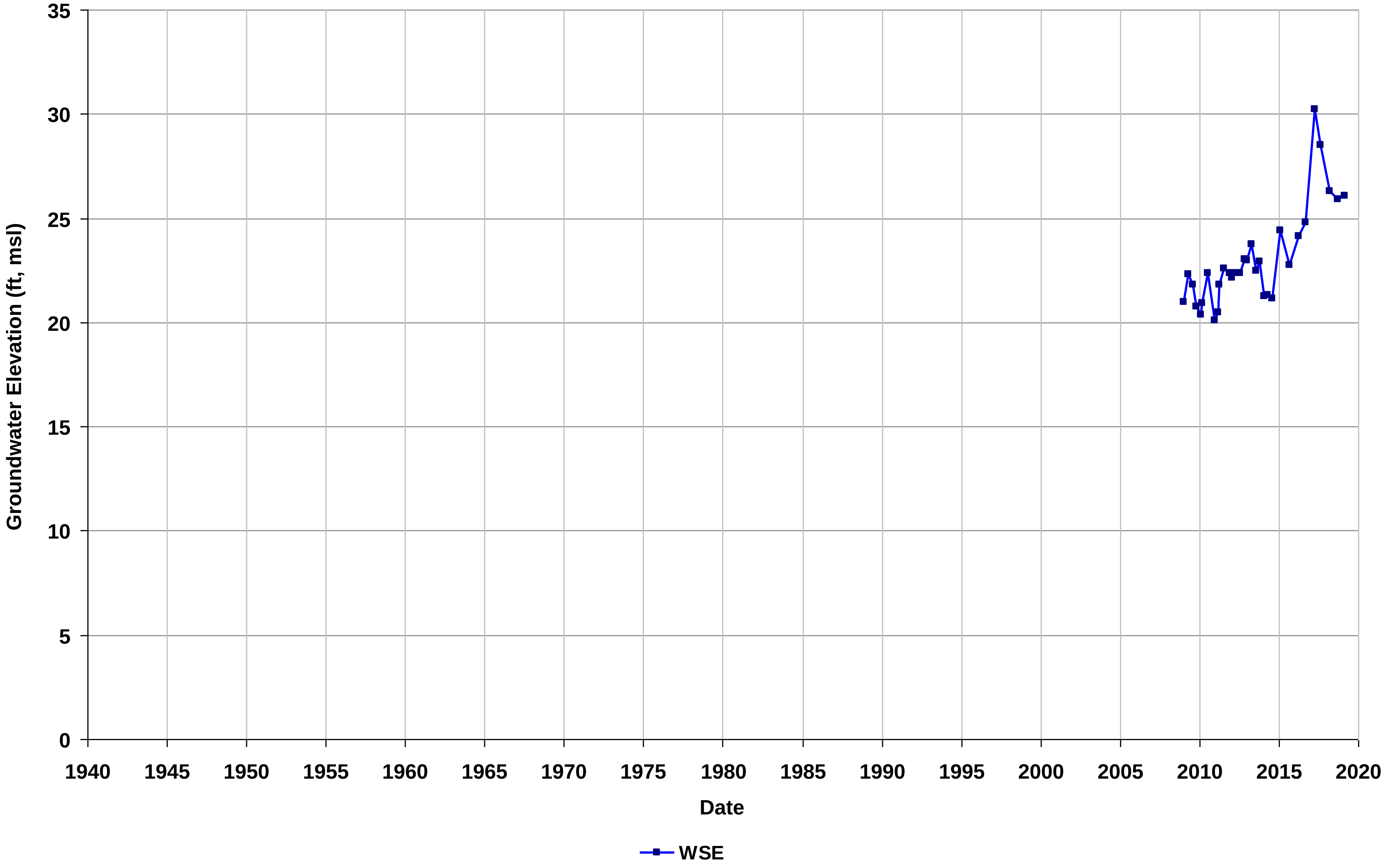
Well Name: SL0600125180-MW-3
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 52
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



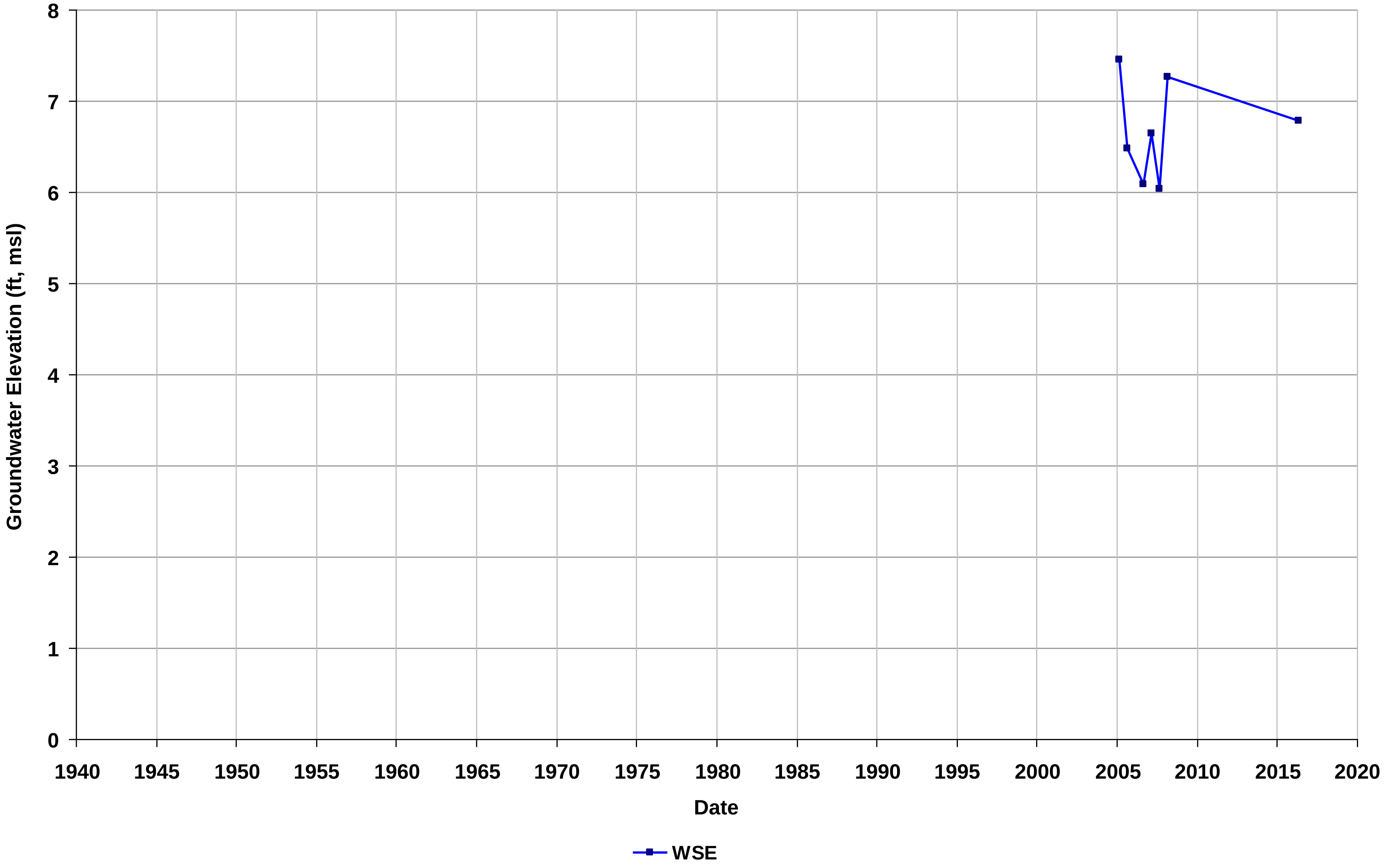
Well Name: SL0600125180-MW-7
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 61
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



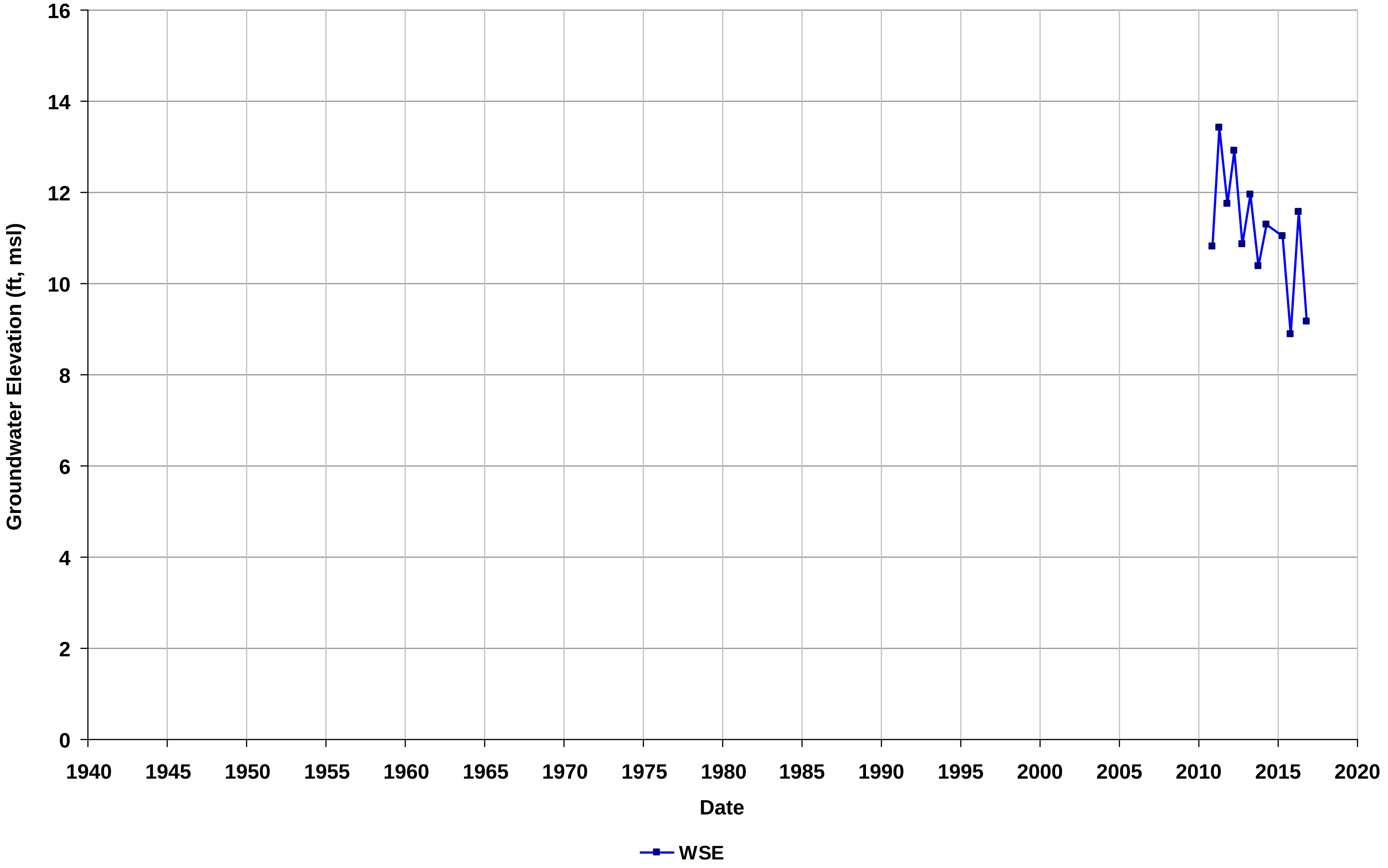
Well Name: SL0600135858-MW-14
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 53-68
T/R/S: 04S/02W/09
Well Use: Observation



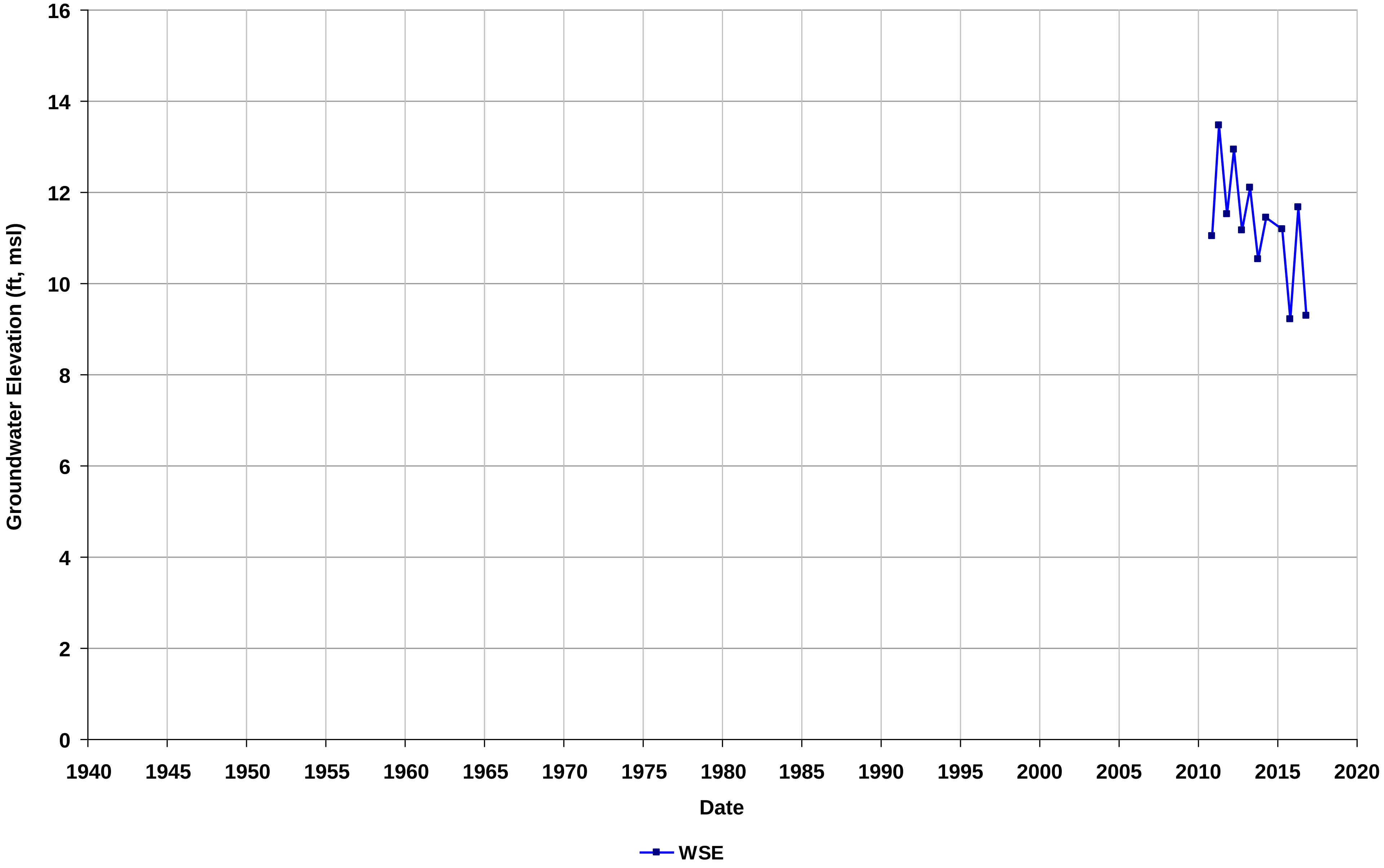
Well Name: SL0600161821-MW-21R
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 69
Perf. Interval (ft bgs): 60-70
T/R/S: 02S/03W/08
Well Use: Observation



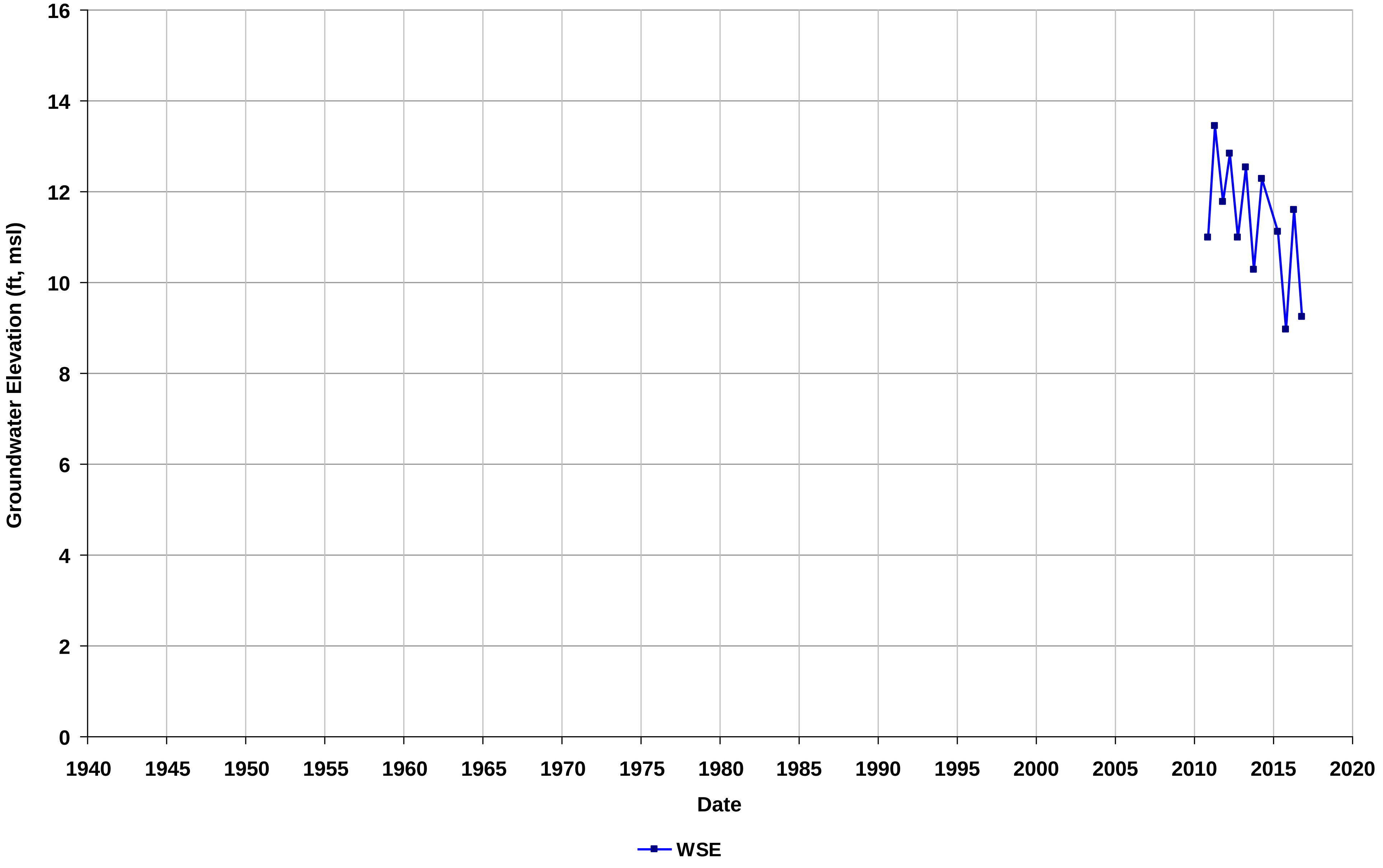
Well Name: SL0600161821-MW-23R
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 70
Perf. Interval (ft bgs): 60-70
T/R/S: 02S/03W/08
Well Use: Observation



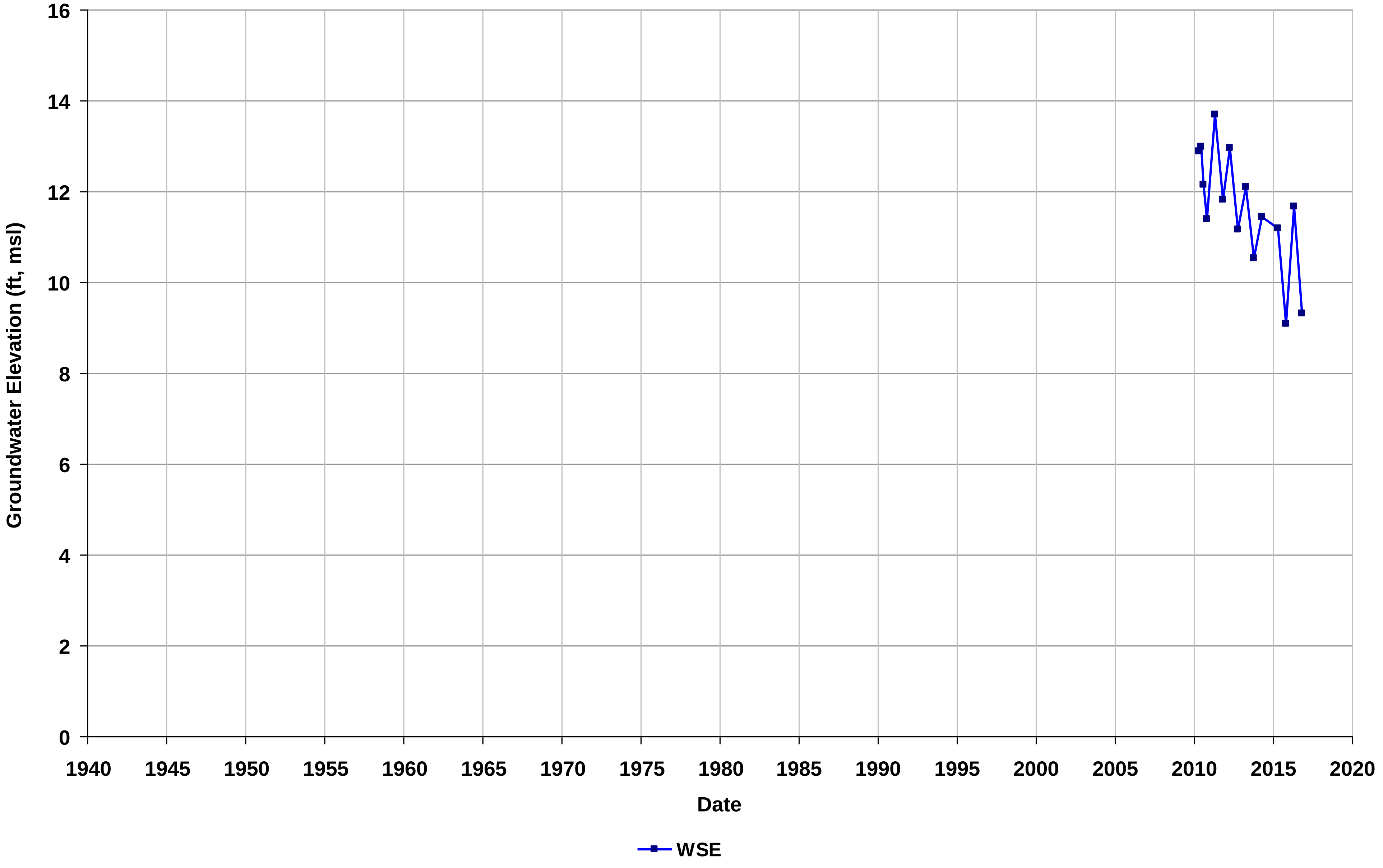
Well Name: SL0600161821-MW-25R
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 68
Perf. Interval (ft bgs): 60-70
T/R/S: 02S/03W/08
Well Use: Observation



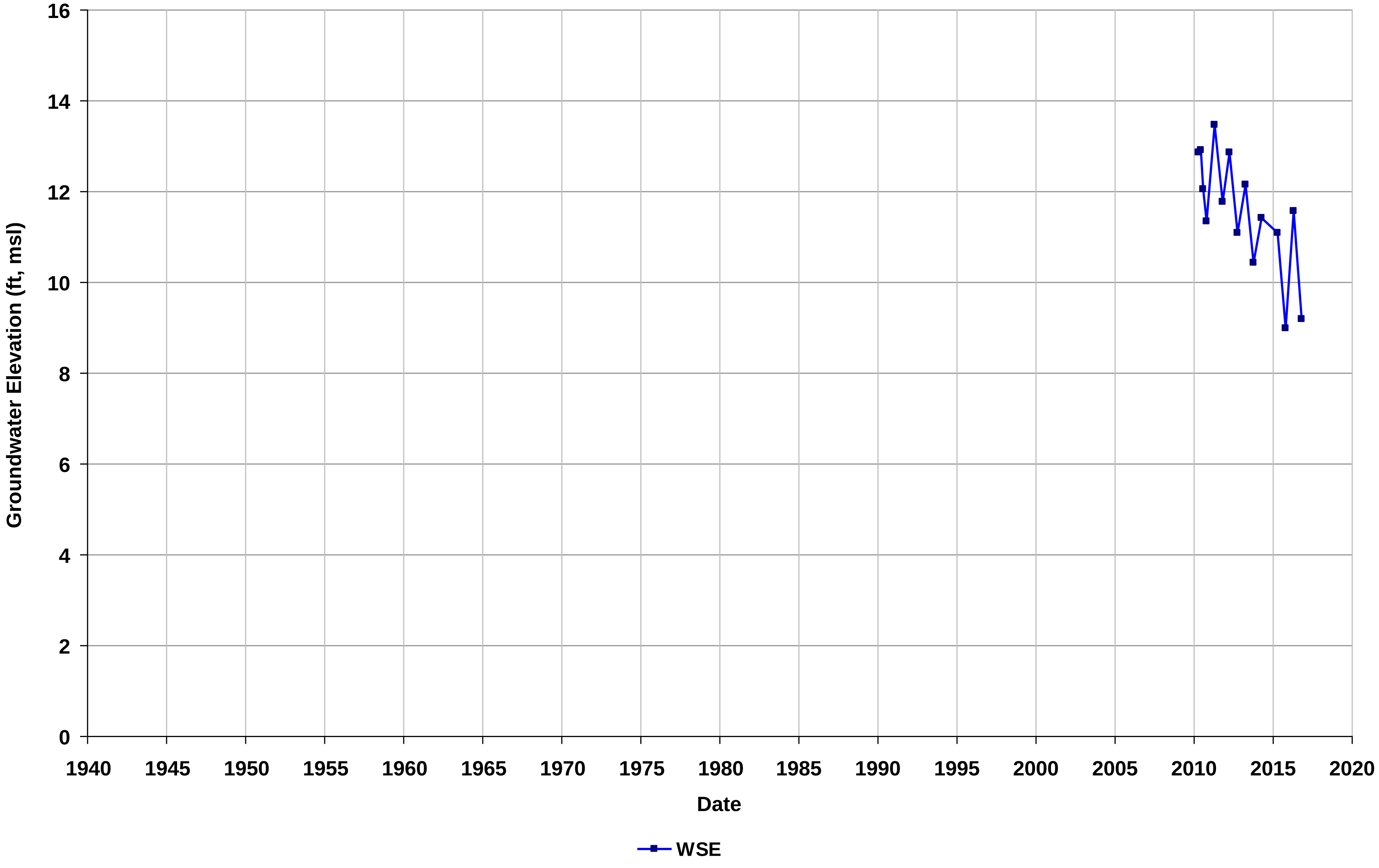
Well Name: SL0600161821-MW-28
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 59
Perf. Interval (ft bgs): 50-60
T/R/S: 02S/03W/08
Well Use: Observation



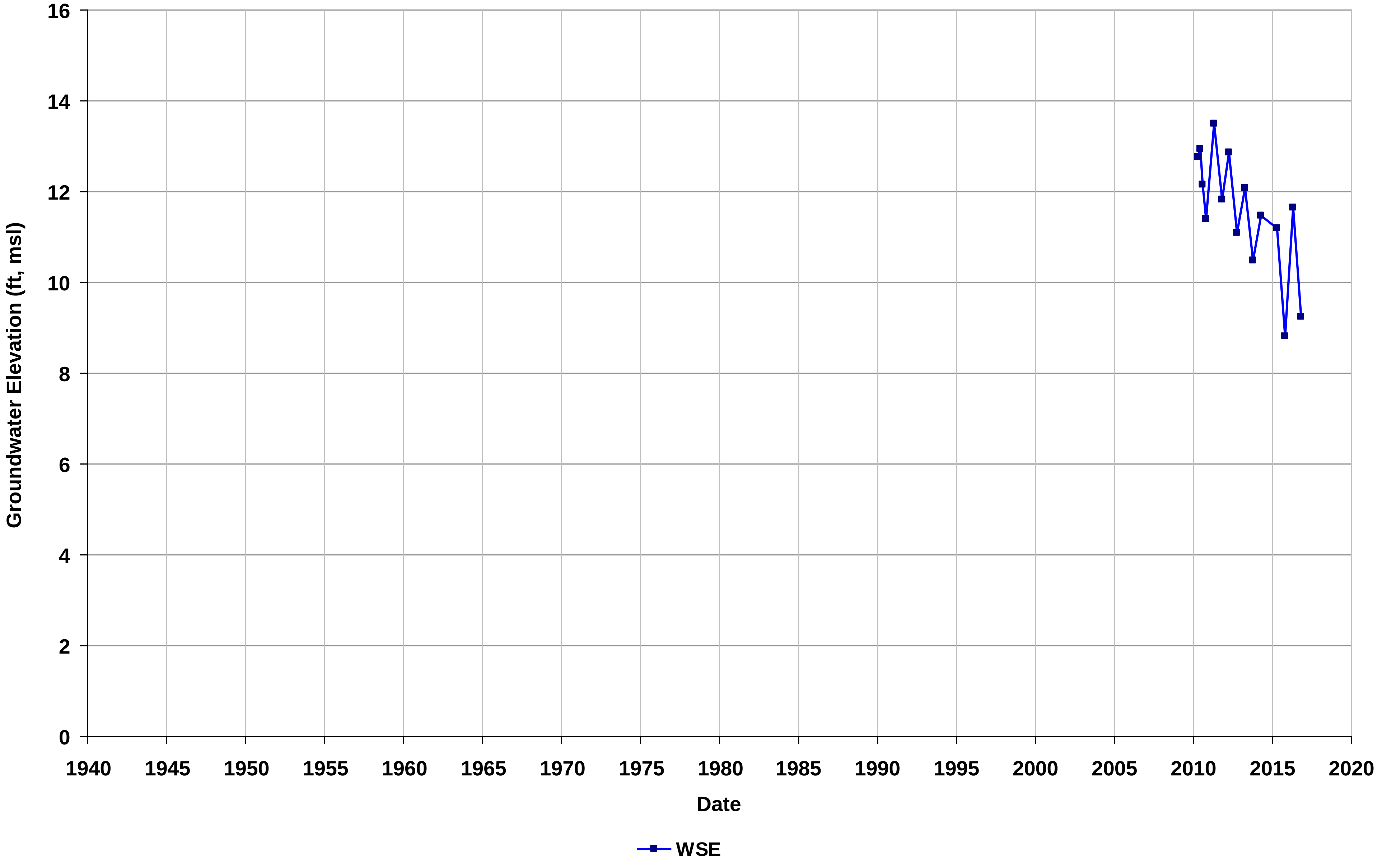
Well Name: SL0600161821-MW-29
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 69
Perf. Interval (ft bgs): 60-70
T/R/S: 02S/03W/08
Well Use: Observation



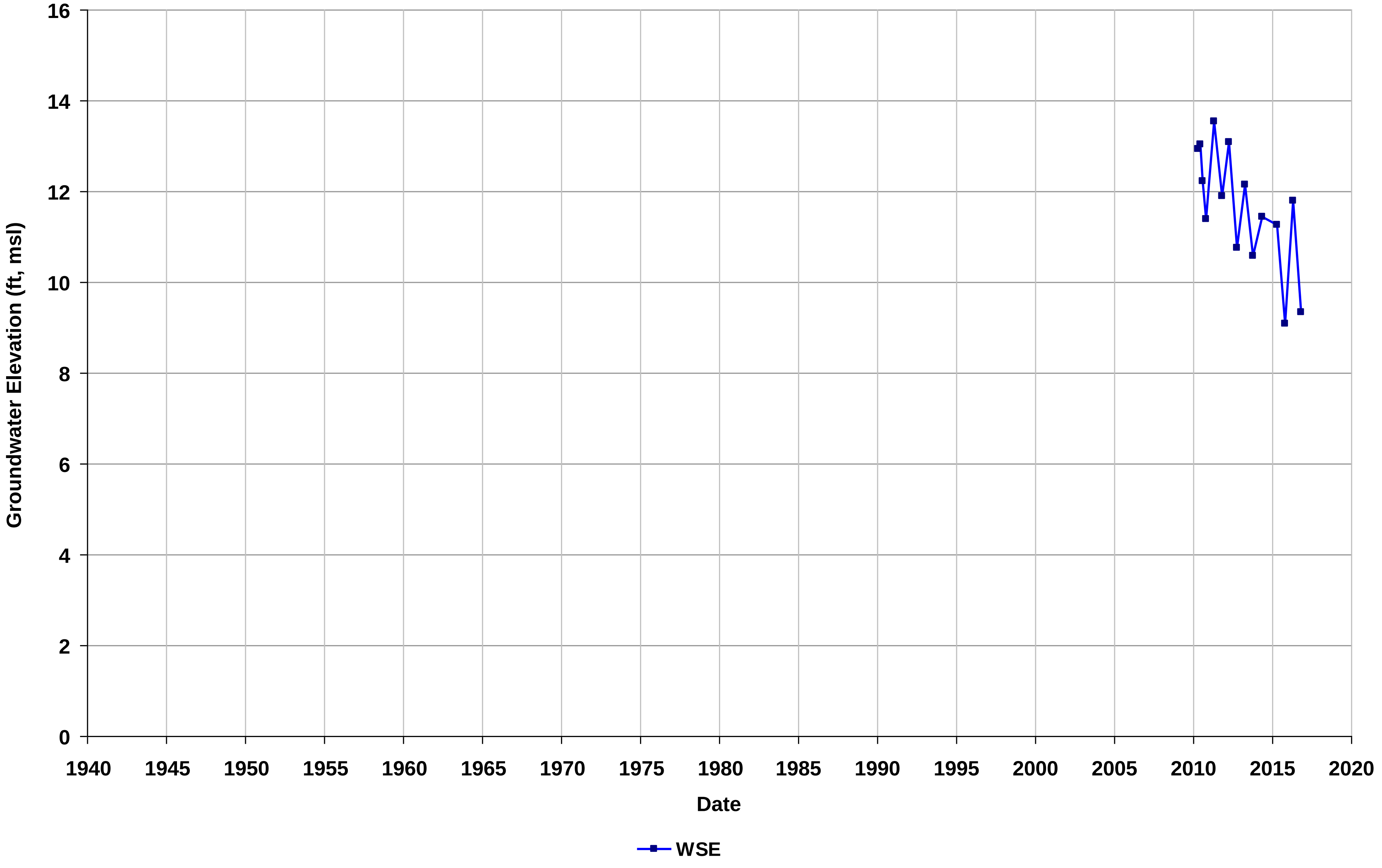
Well Name: SL0600161821-MW-31
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 60
Perf. Interval (ft bgs): 49.5-60
T/R/S: 02S/03W/08
Well Use: Observation



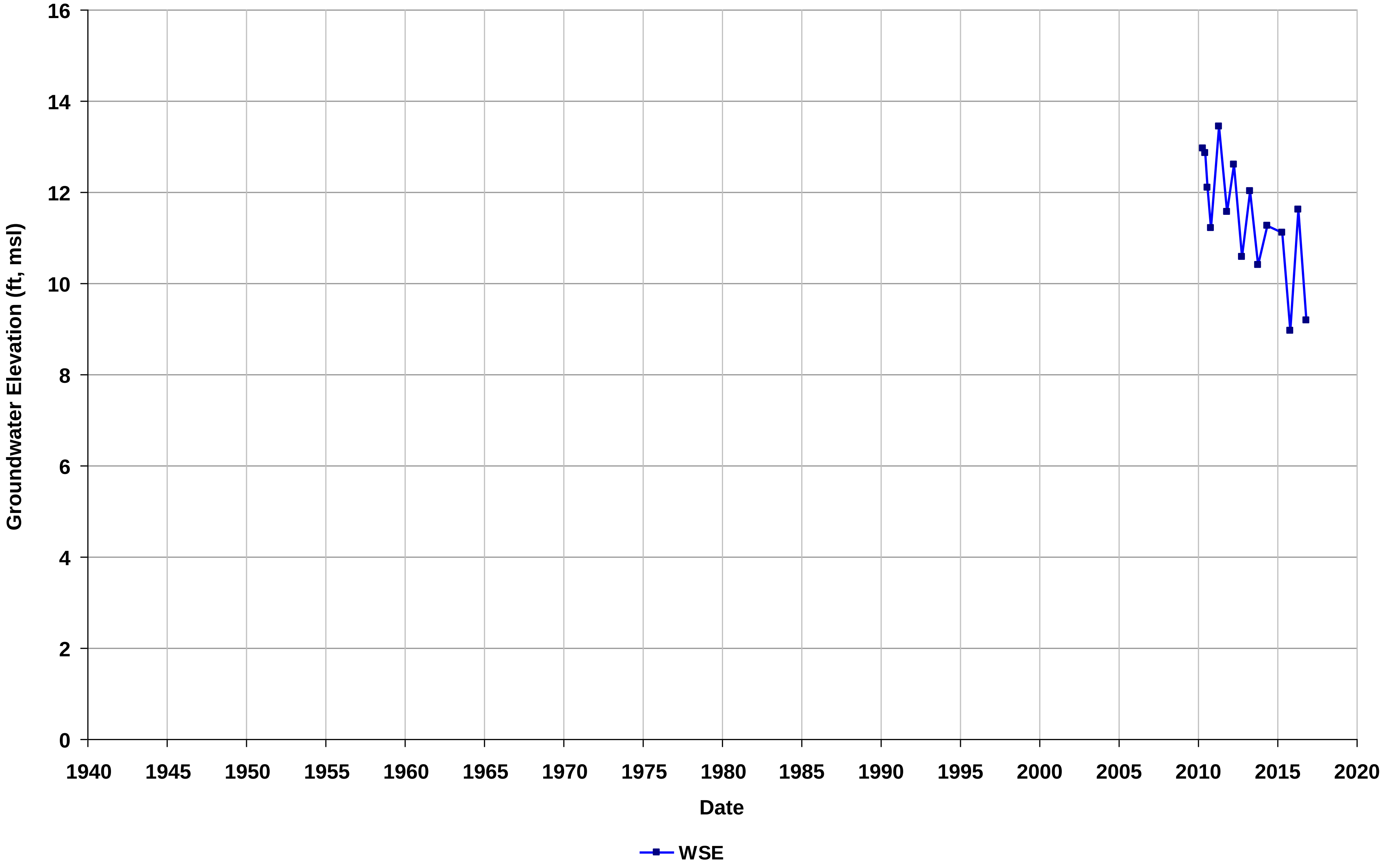
Well Name: SL0600161821-MW-33
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 65
Perf. Interval (ft bgs): 53-63
T/R/S: 02S/03W/08
Well Use: Observation



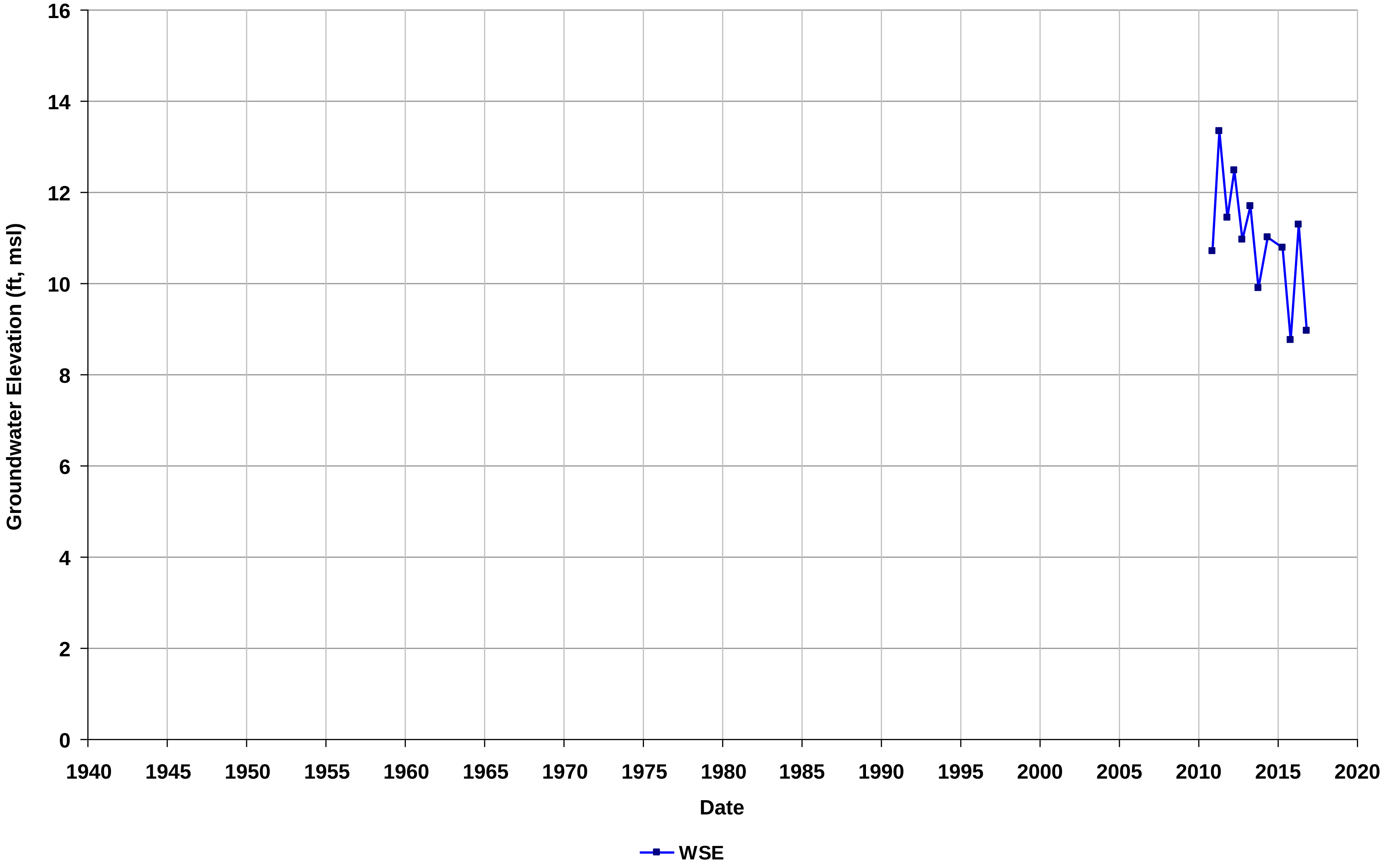
Well Name: SL0600161821-MW-35
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 70
Perf. Interval (ft bgs): 55-65
T/R/S: 02S/03W/08
Well Use: Observation



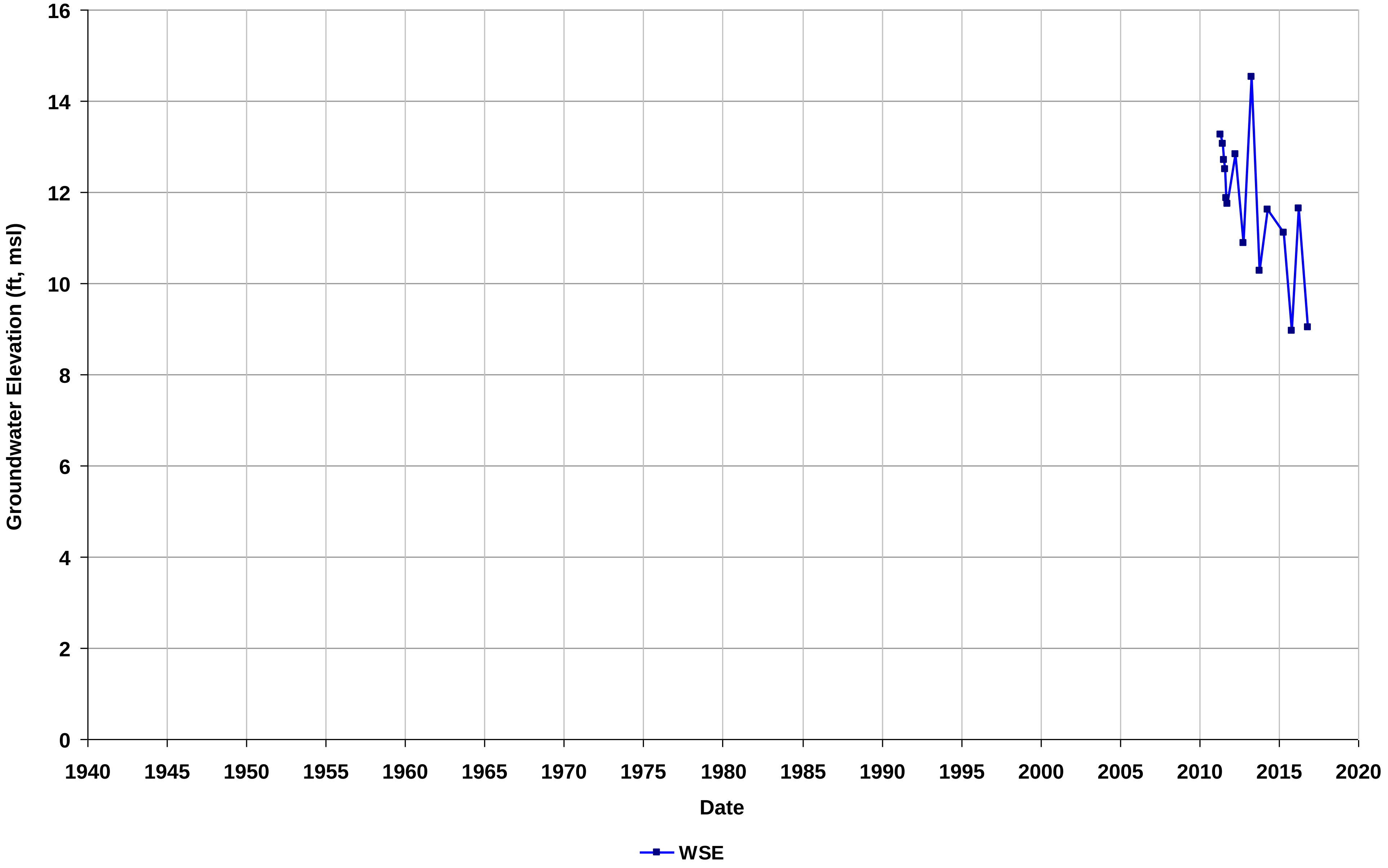
Well Name: SL0600161821-MW-37
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 71
Perf. Interval (ft bgs): 59-69
T/R/S: 02S/03W/08
Well Use: Observation



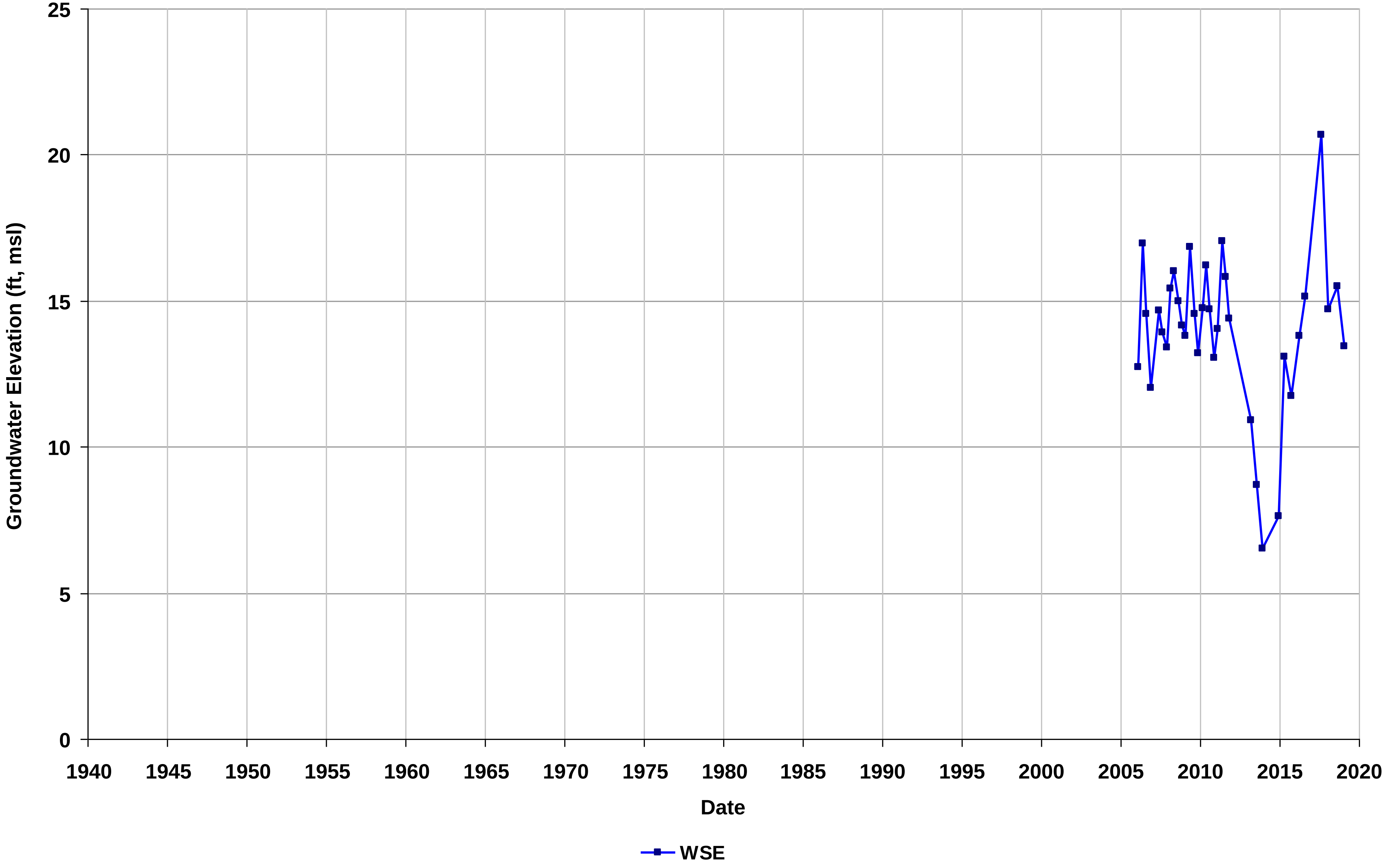
Well Name: SL0600161821-MW-38
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 69
Perf. Interval (ft bgs): 60-70
T/R/S: 02S/03W/08
Well Use: Observation



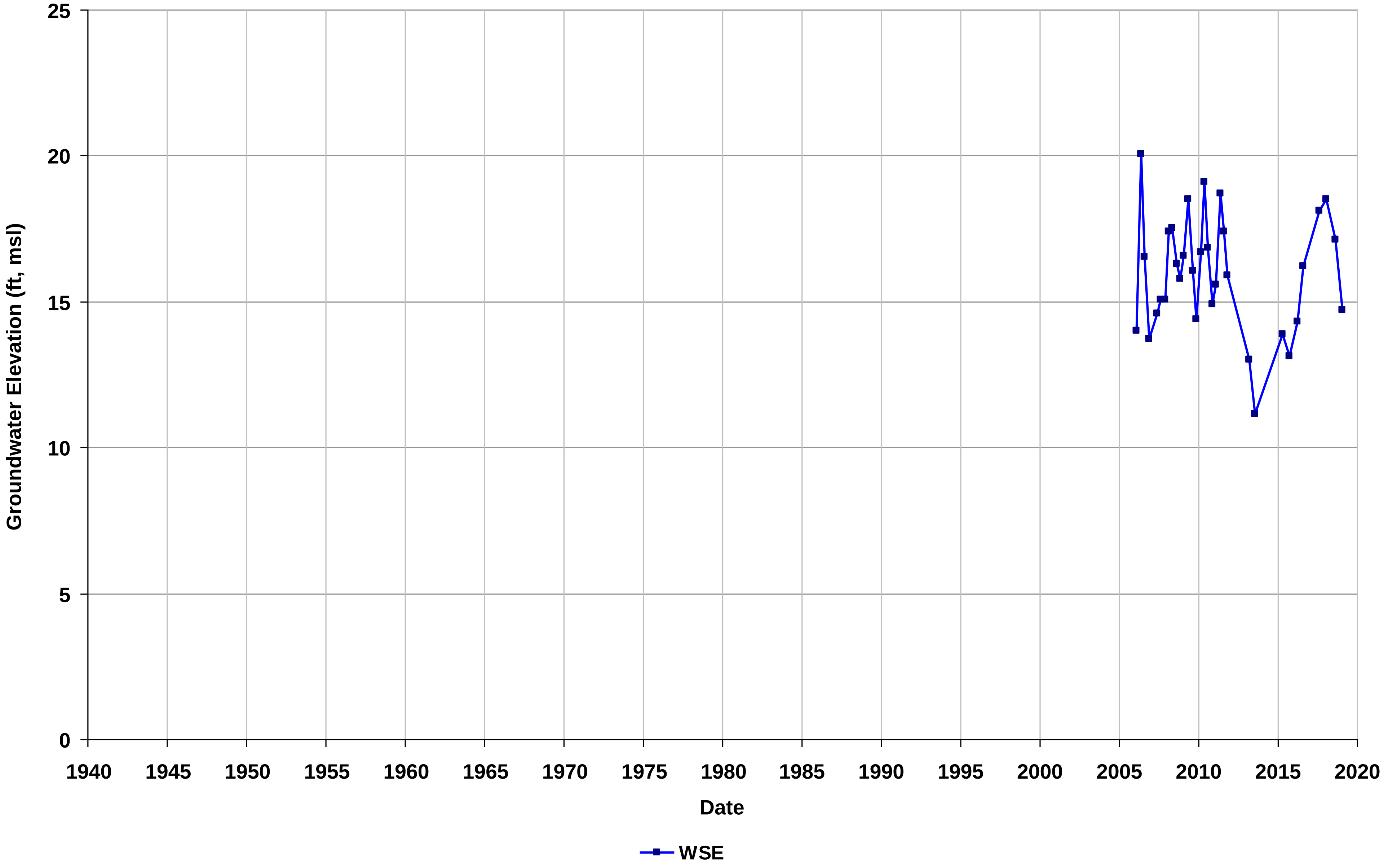
Well Name: SL0600188924-MWF1
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 59
Perf. Interval (ft bgs): 63-73
T/R/S: n/a
Well Use: Observation



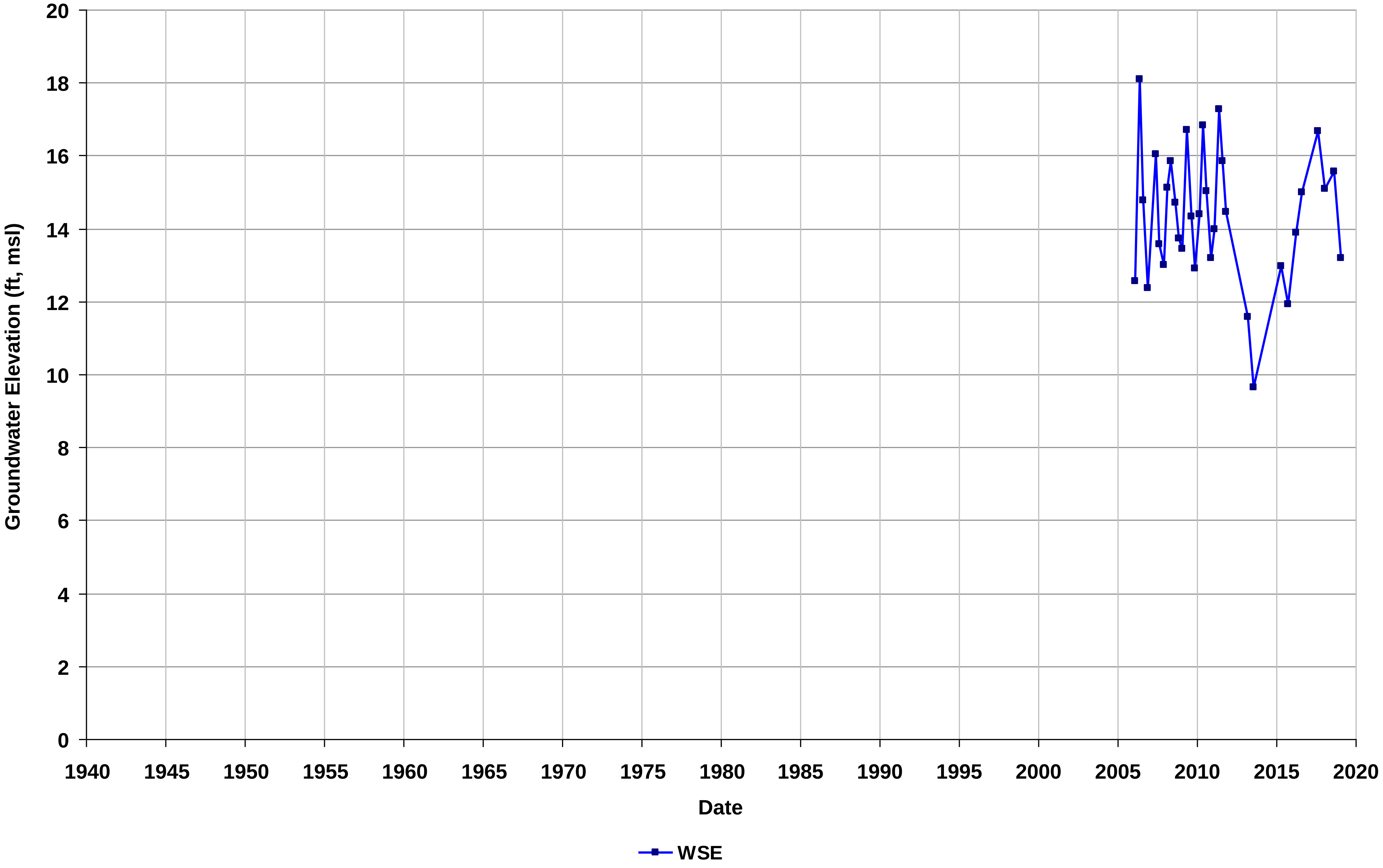
Well Name: SL0600188924-MWF2
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 35
Perf. Interval (ft bgs): 35-55
T/R/S: n/a
Well Use: Observation



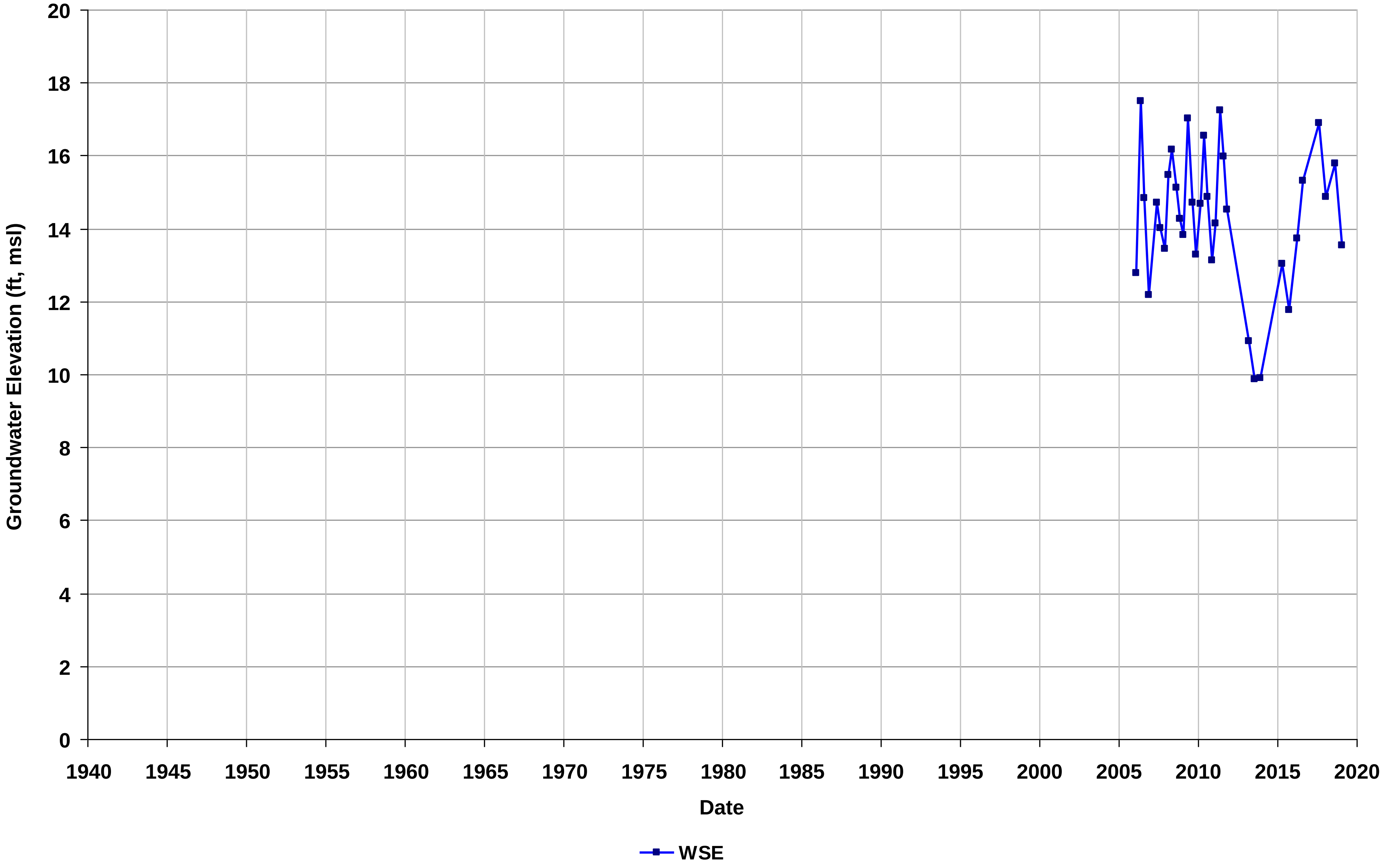
Well Name: SL0600188924-MWF3
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 34
Perf. Interval (ft bgs): 35-55
T/R/S: n/a
Well Use: Observation



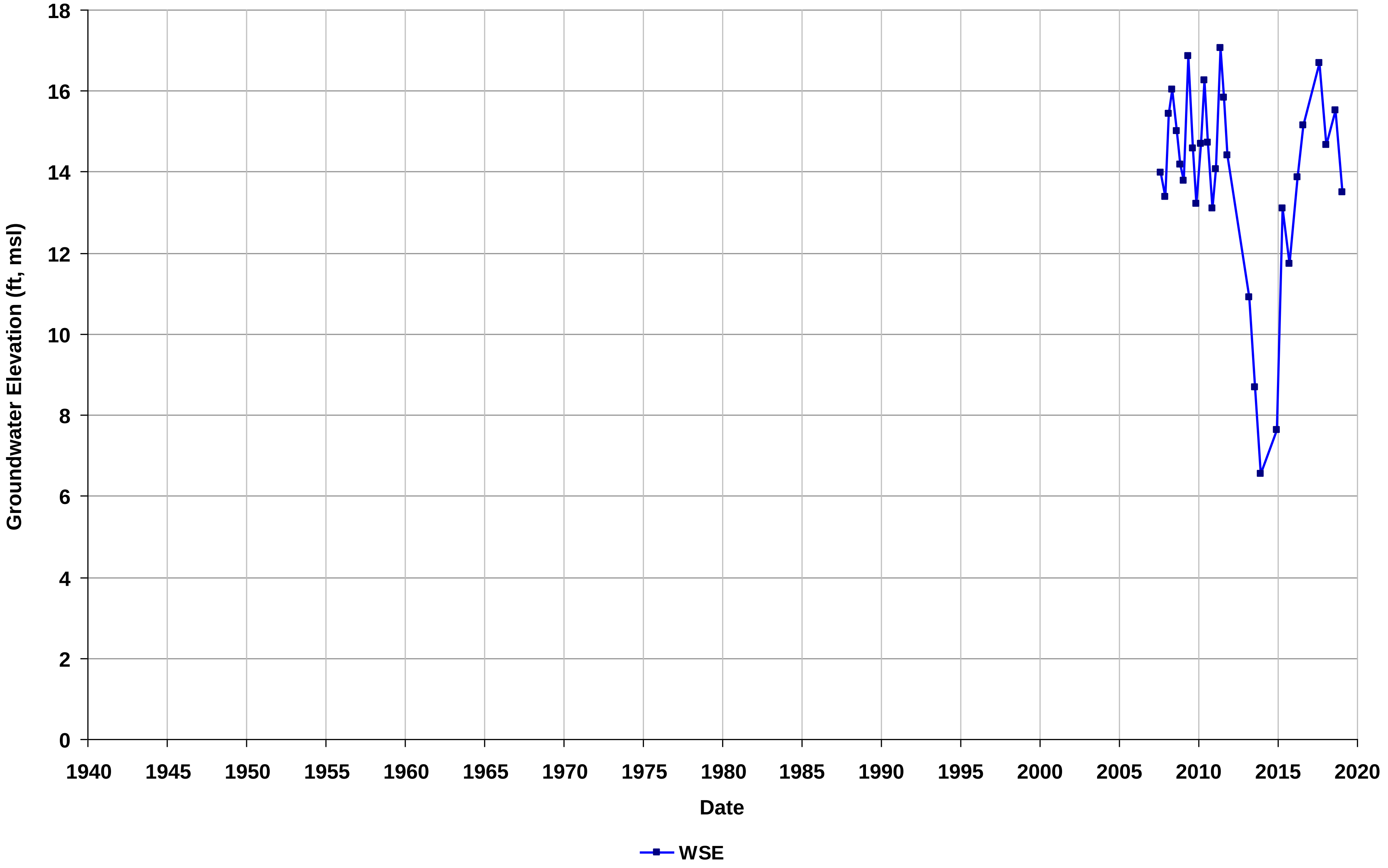
Well Name: SL0600188924-MWF4
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 35
Perf. Interval (ft bgs): 35-55
T/R/S: n/a
Well Use: Observation



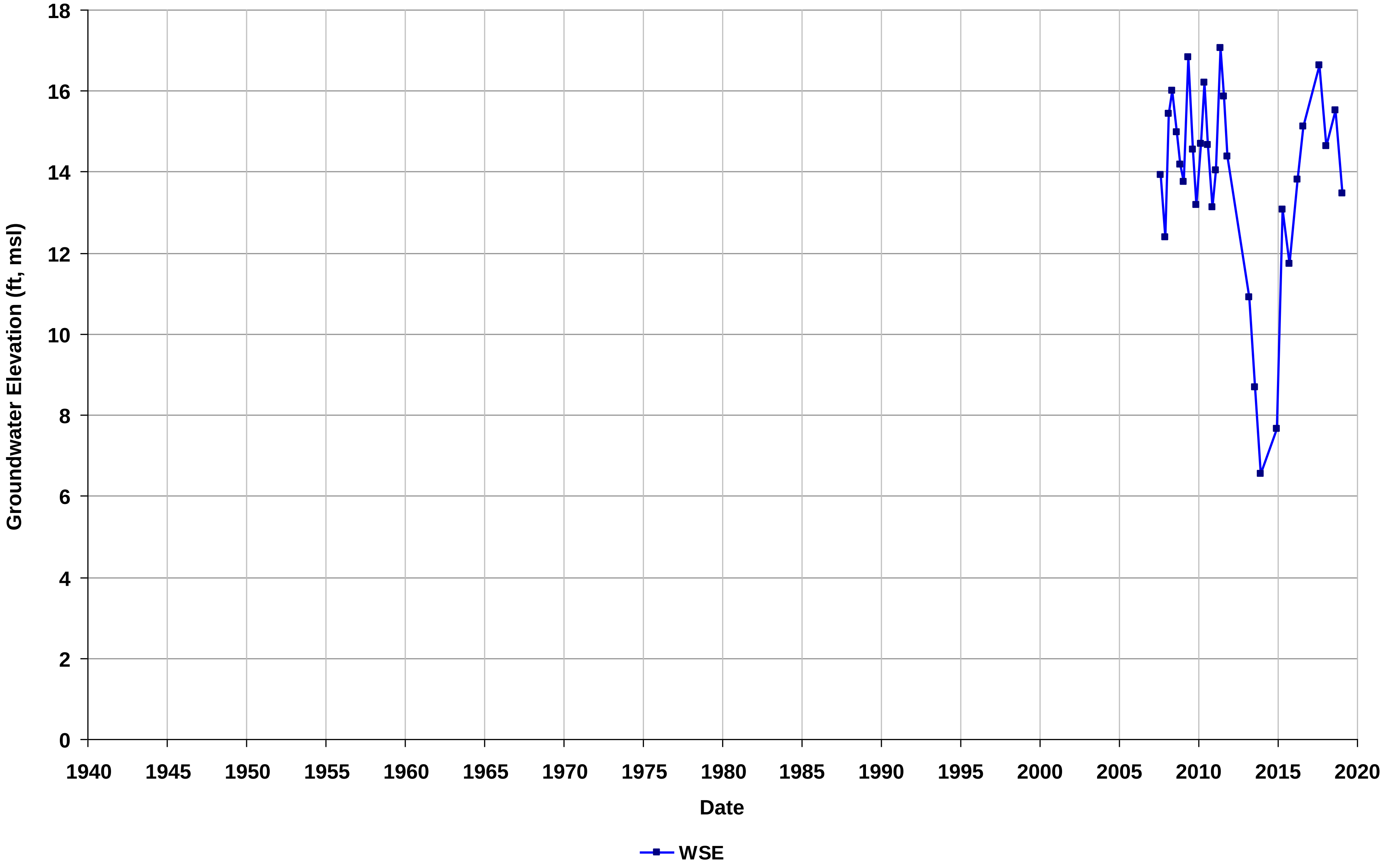
Well Name: SL0600188924-MWF5
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 64
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



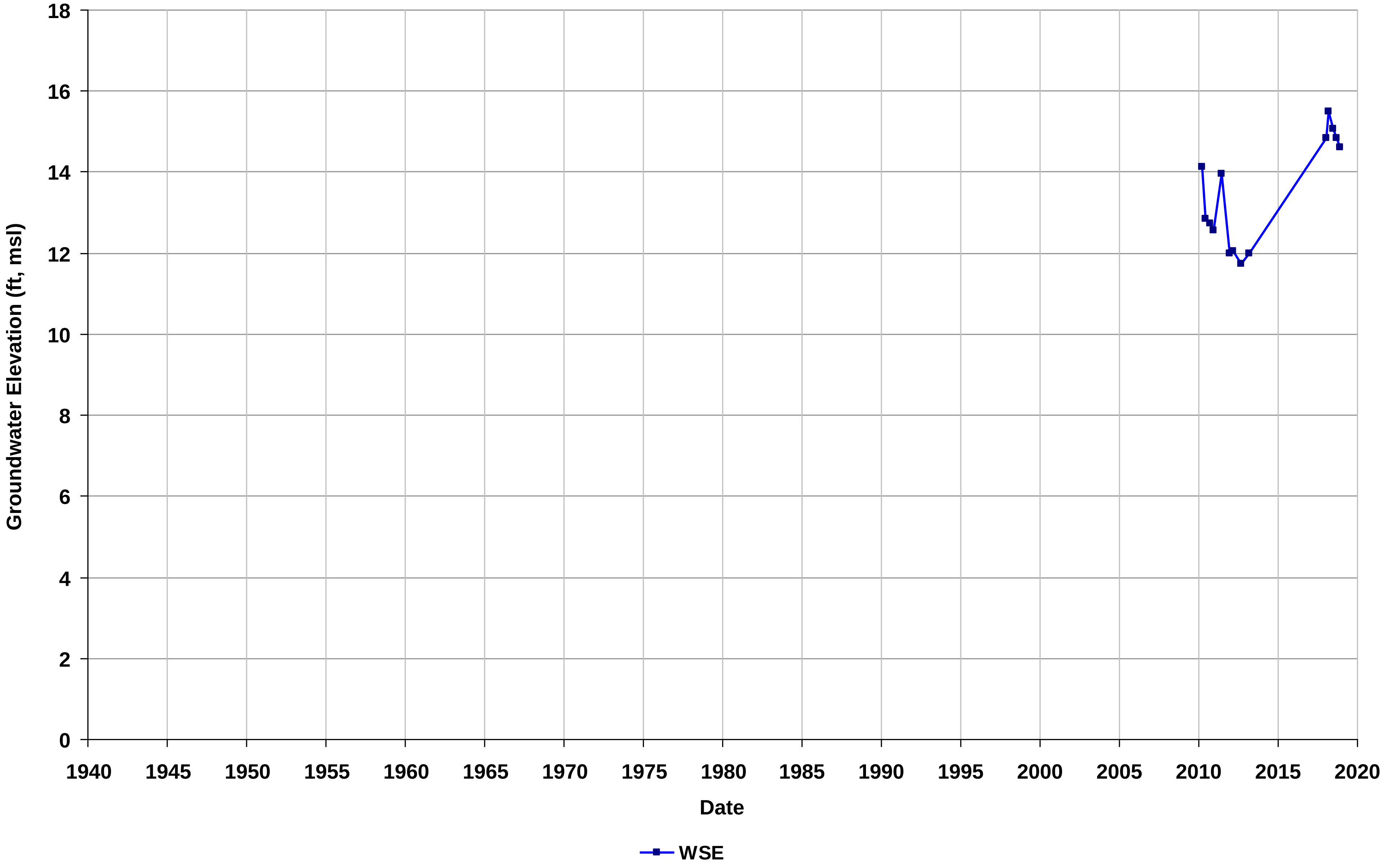
Well Name: SL0600188924-MWF6
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 64
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



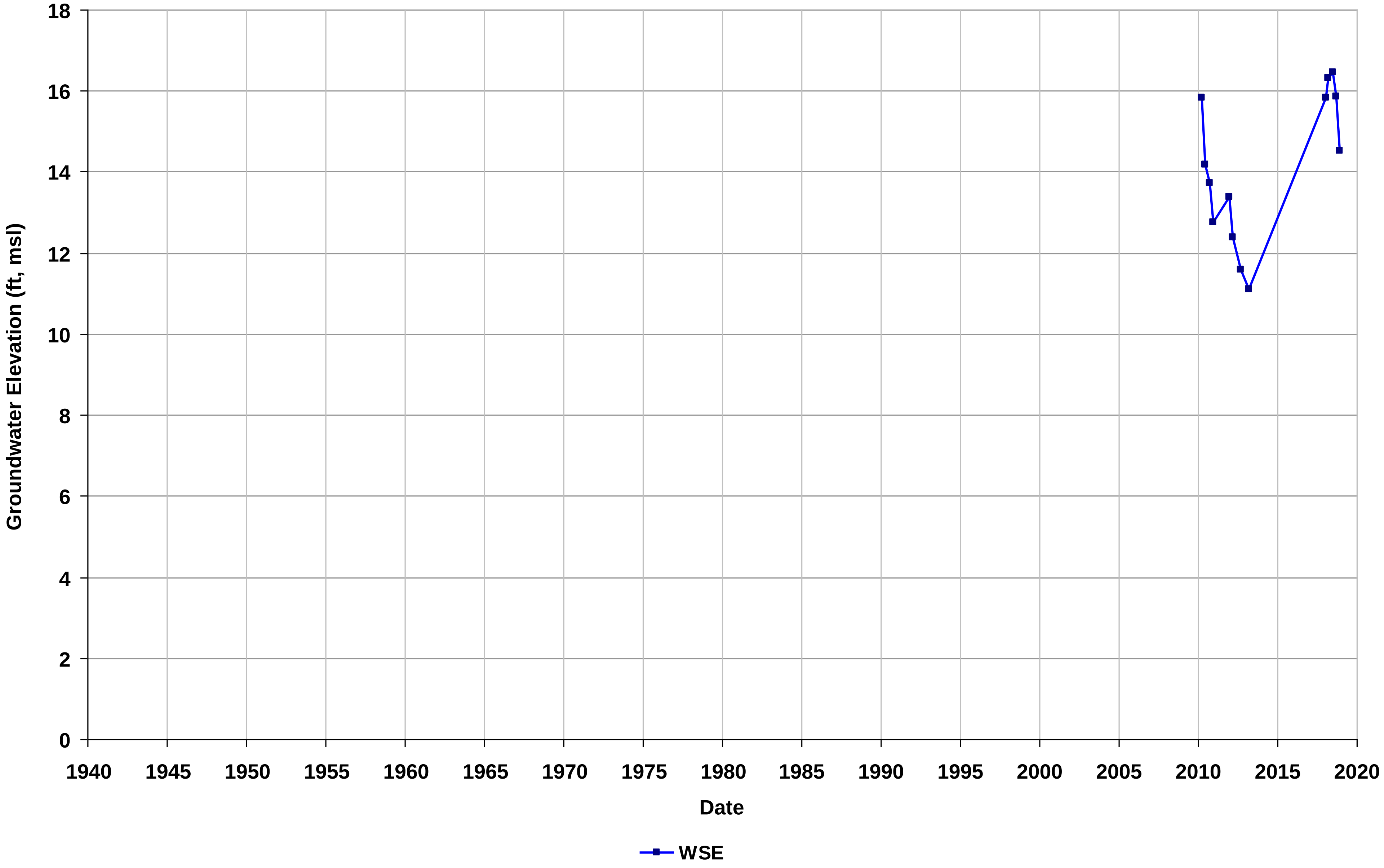
Well Name: SL18229627-B-25
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 48
Perf. Interval (ft bgs): 47-52
T/R/S: n/a
Well Use: Observation



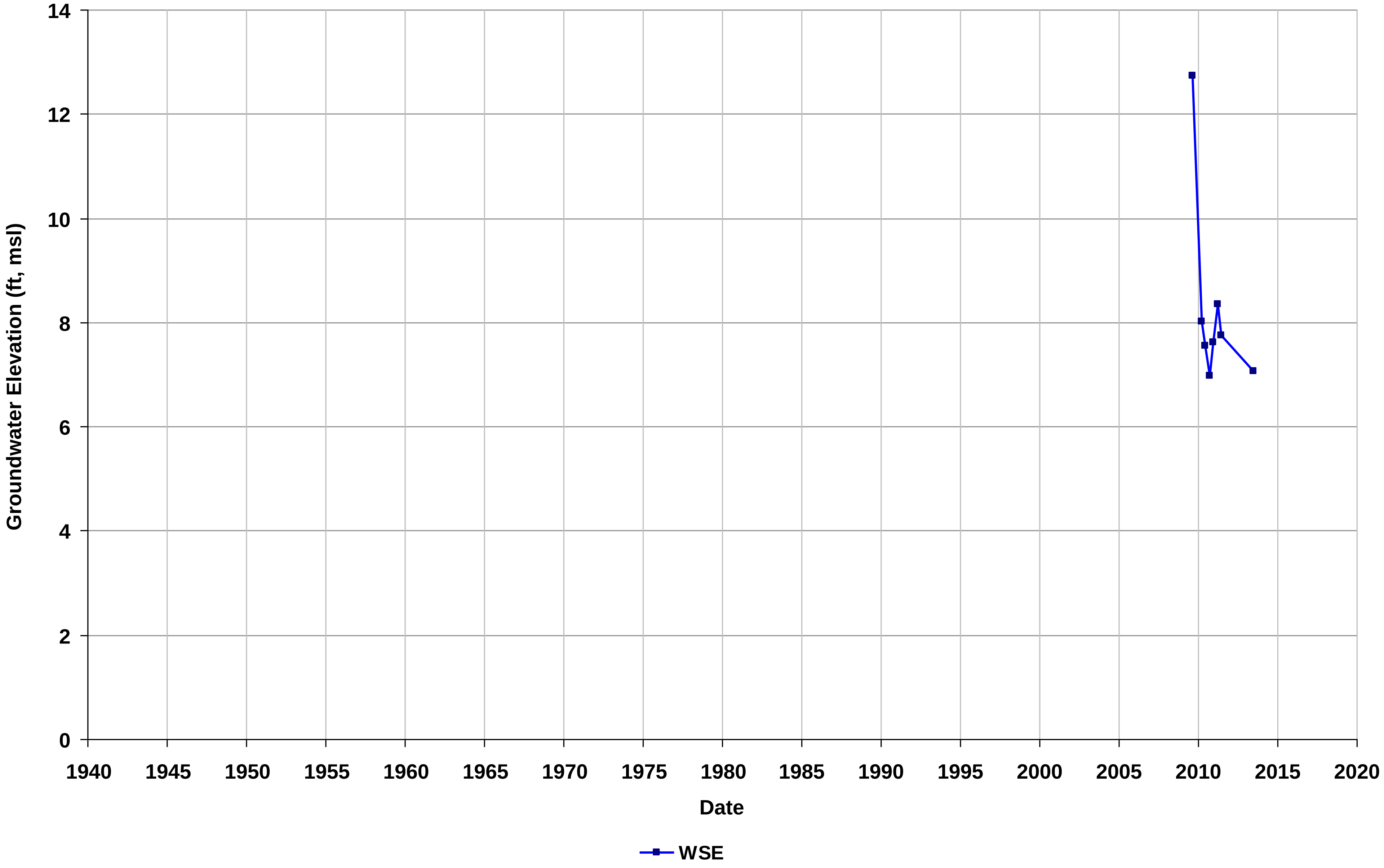
Well Name: SL18229627-NW-03
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 69
Perf. Interval (ft bgs): 68-83
T/R/S: n/a
Well Use: Observation



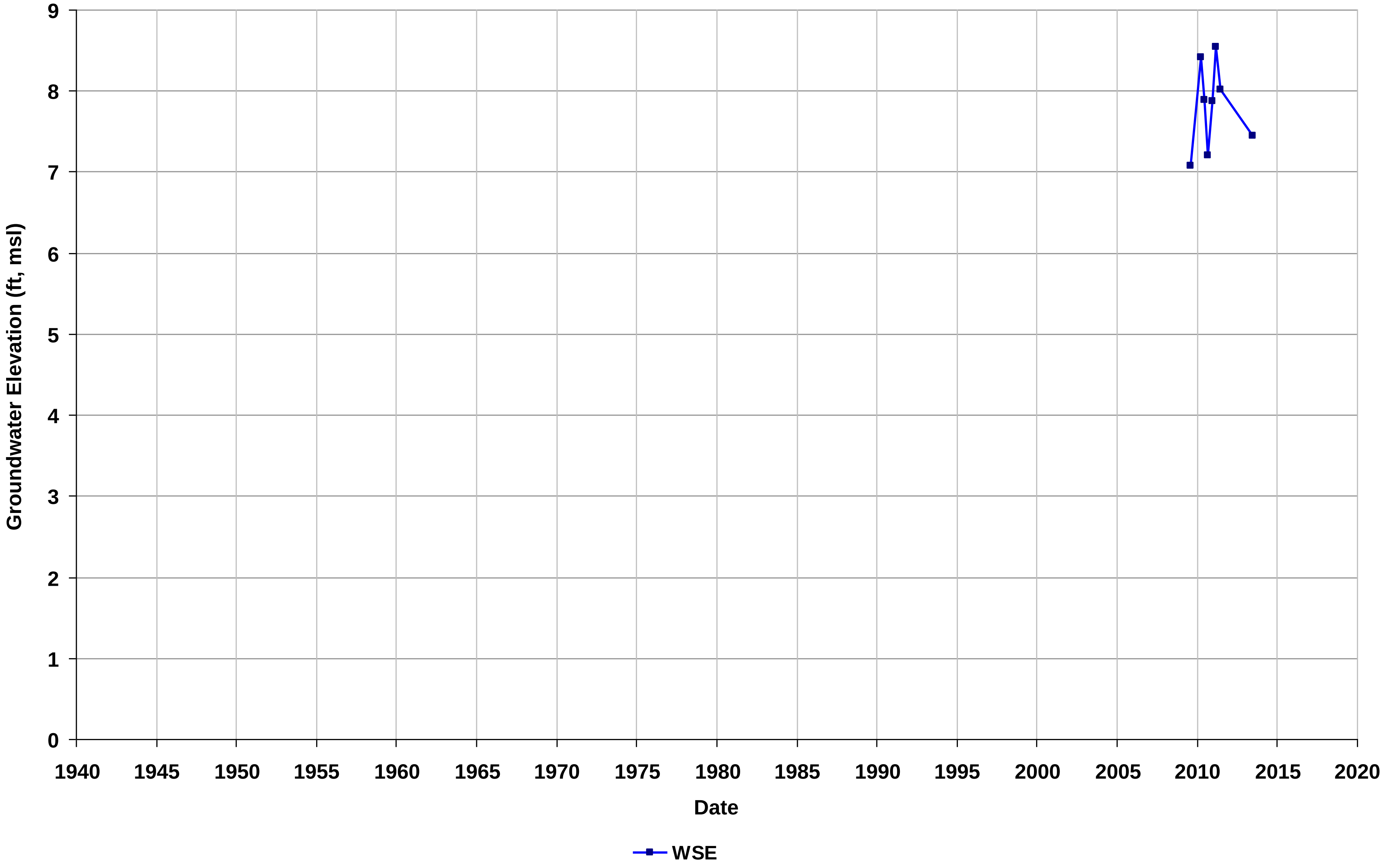
Well Name: SL1823N1137-MW-3
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 72
Perf. Interval (ft bgs):
T/R/S: 02S/03W/17
Well Use: Observation



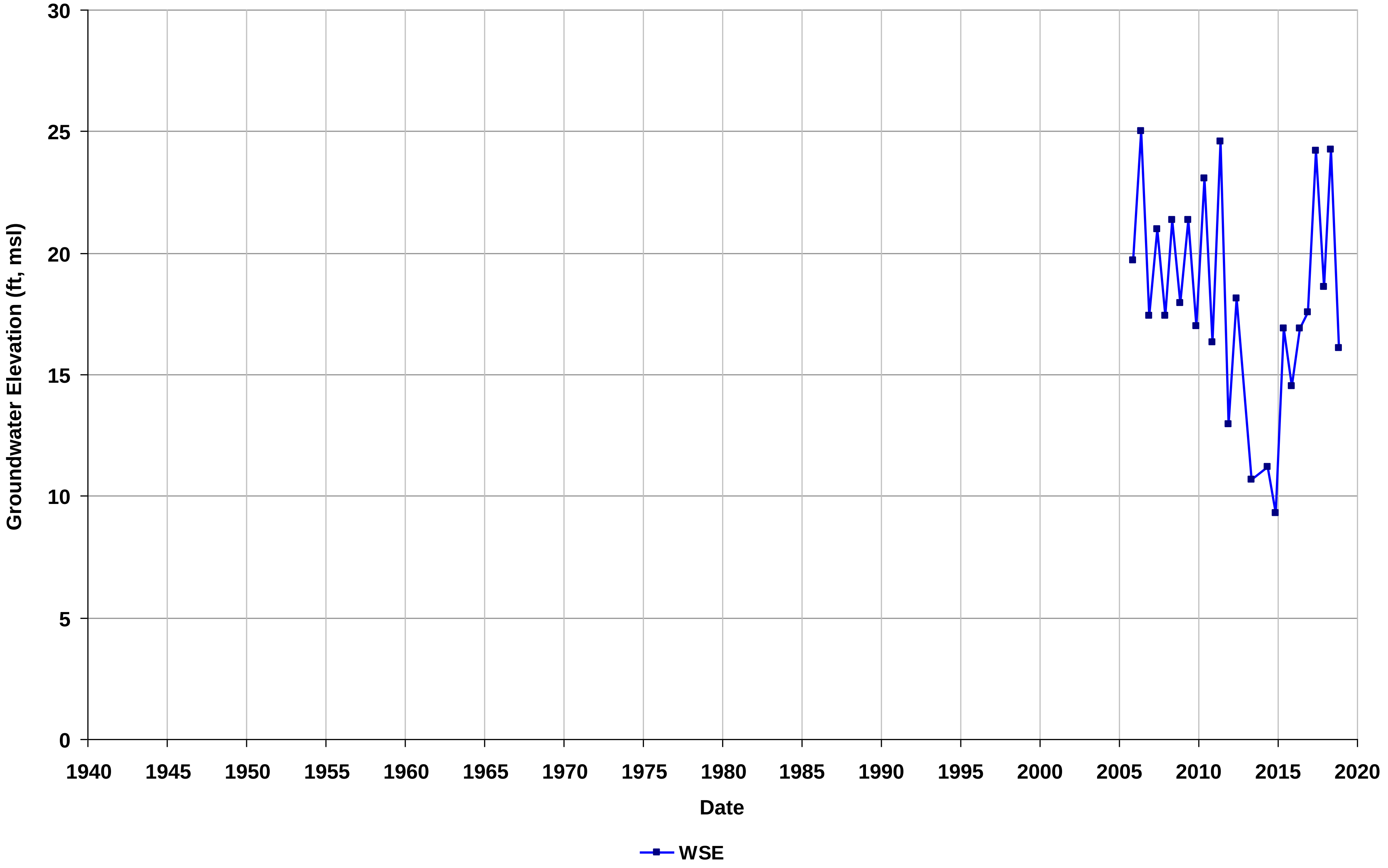
Well Name: SL1823N1137-MW-4
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 64
Perf. Interval (ft bgs):
T/R/S: 02S/03W/17
Well Use: Observation



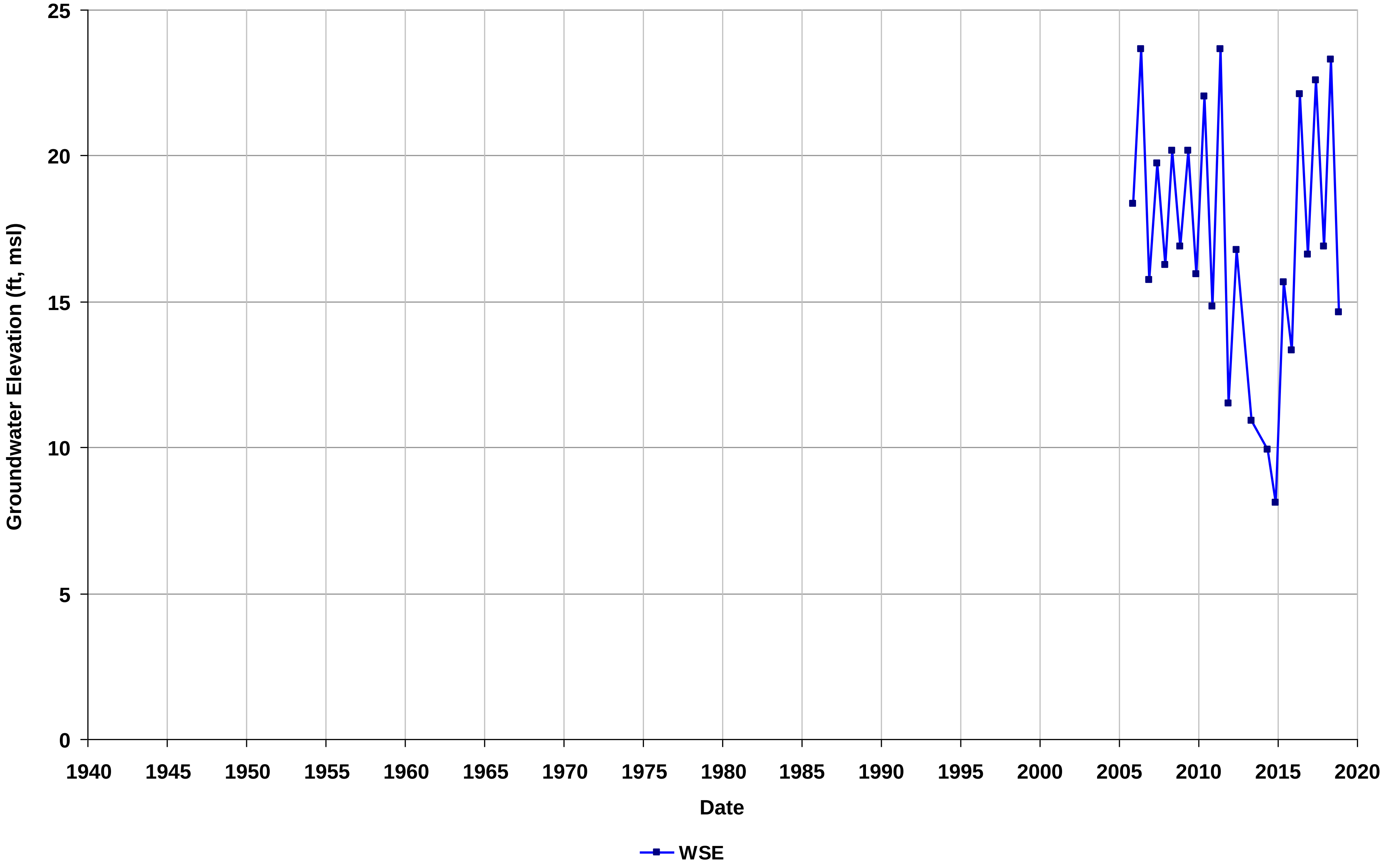
Well Name: SL18290711-DW-4
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 130-150
T/R/S: 04S/01W/07
Well Use: Observation



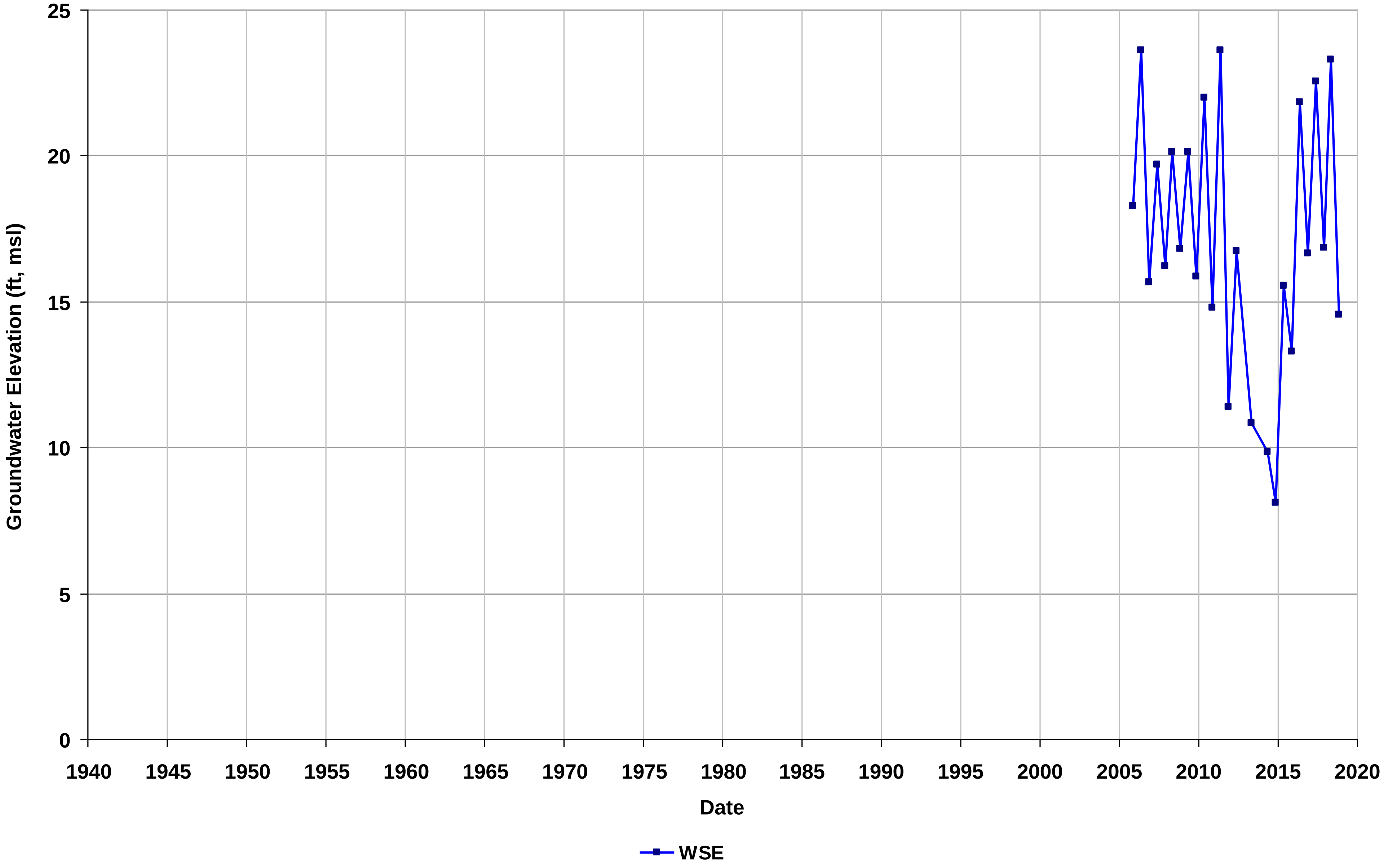
Well Name: SL18290711-DW-6
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 115-145
T/R/S: 04S/01W/07
Well Use: Observation



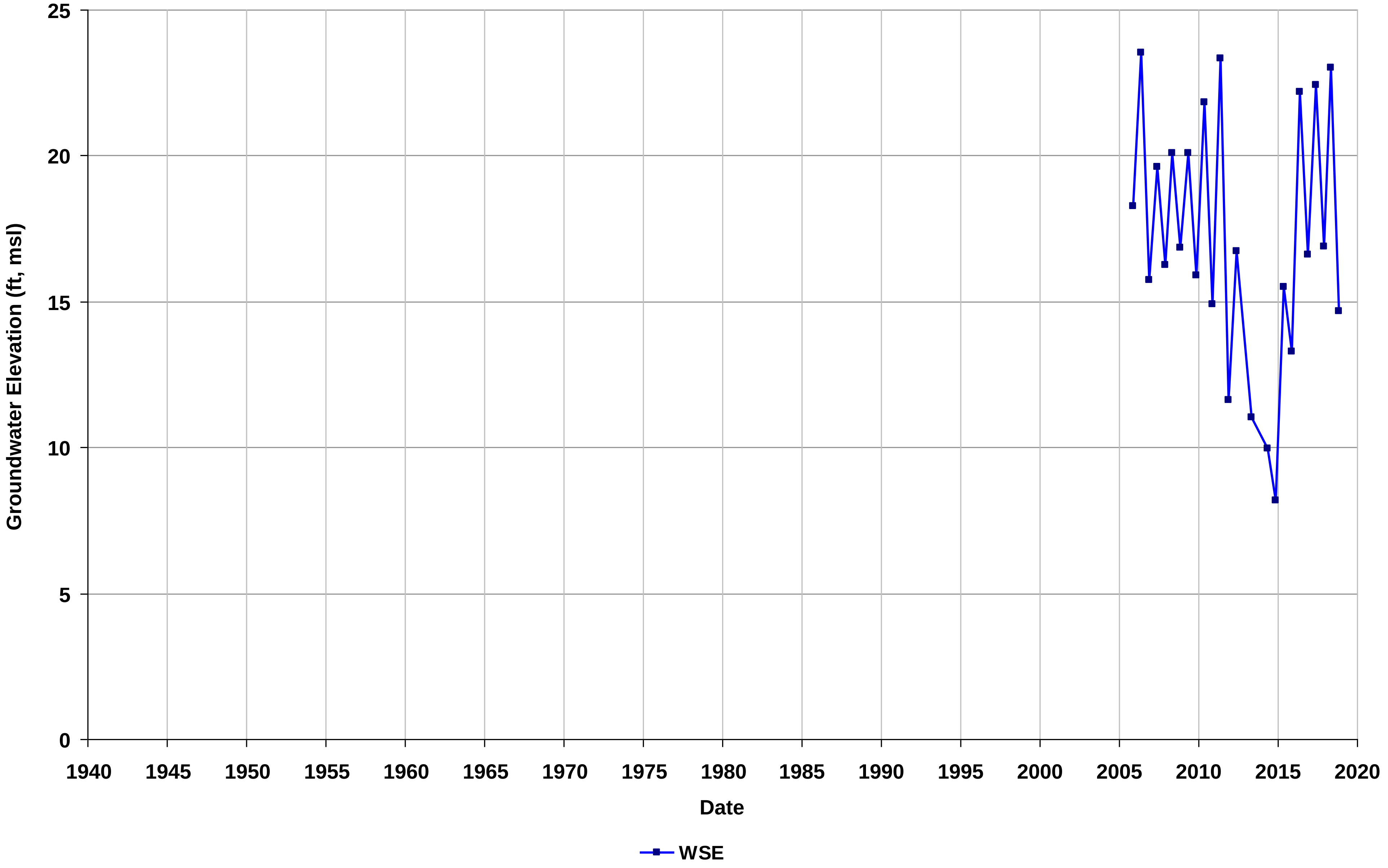
Well Name: SL18290711-DW-7
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 113.5-134
T/R/S: 04S/01W/18
Well Use: Observation



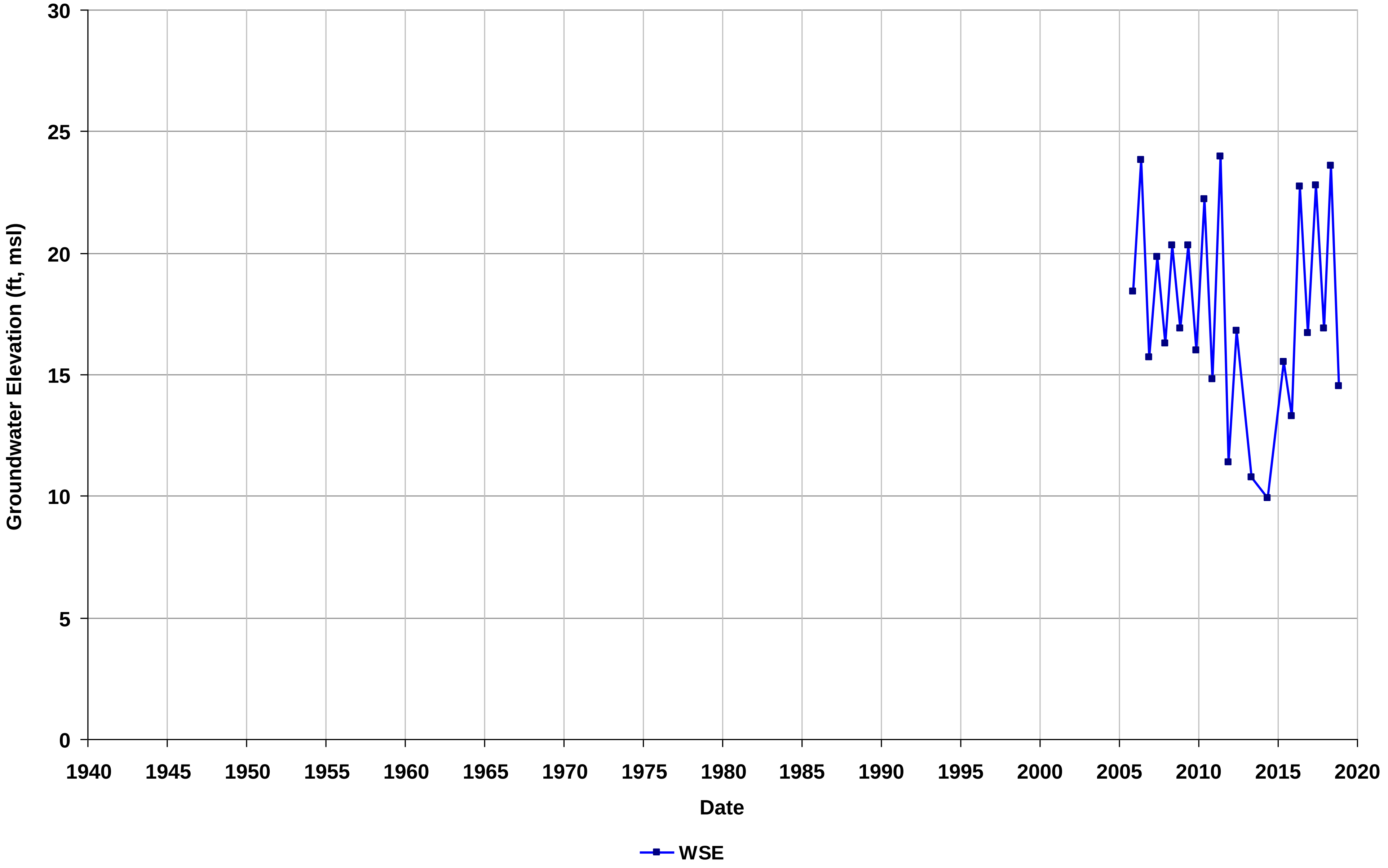
Well Name: SL18290711-DW-8
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 113.5-134
T/R/S: 04S/01W/07
Well Use: Observation



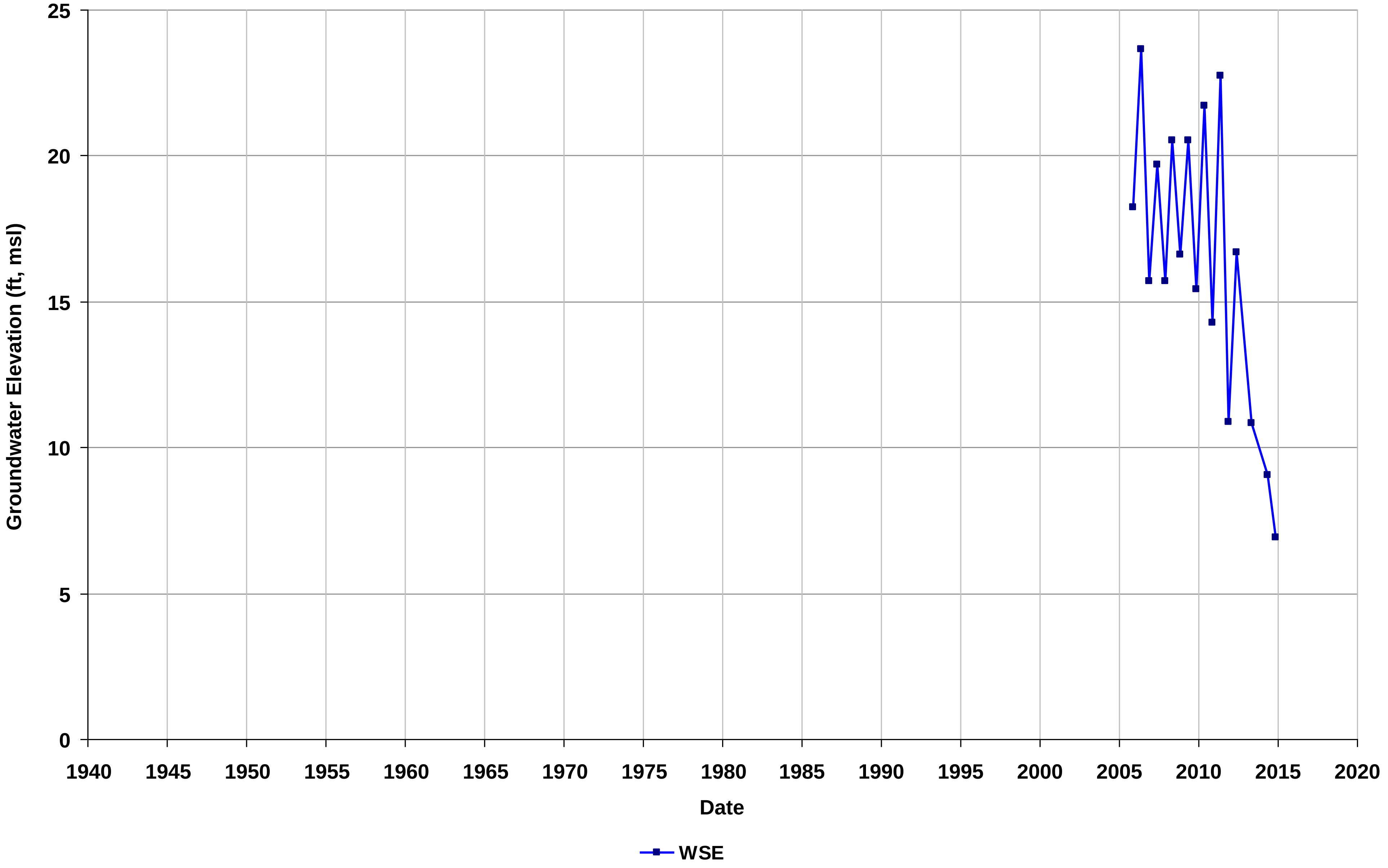
Well Name: SL18290711-DW-9
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 115-145
T/R/S: 04S/01W/07
Well Use: Observation



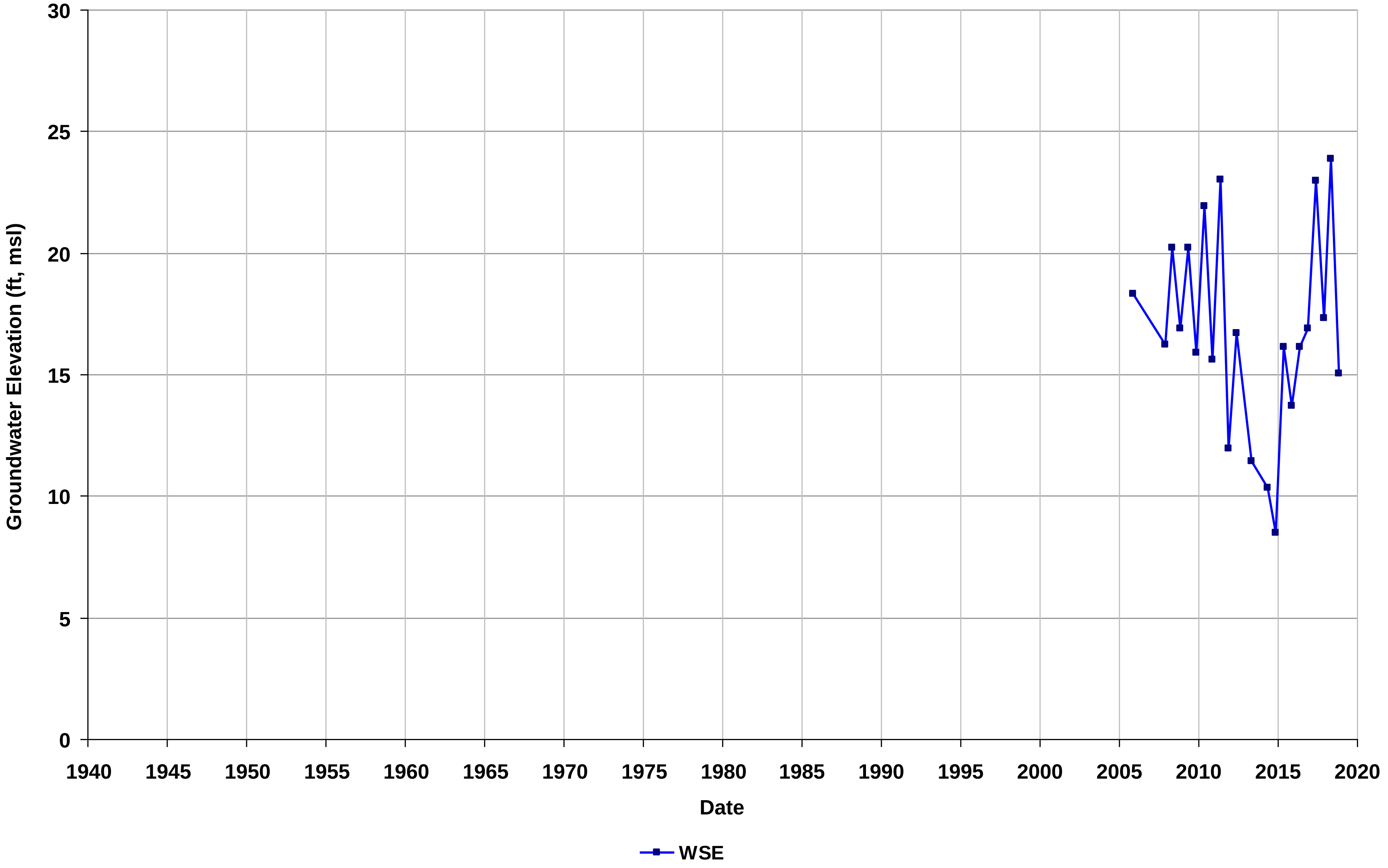
Well Name: SL18290711-EI-1
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 76-96
T/R/S: 04S/01W/07
Well Use: Observation



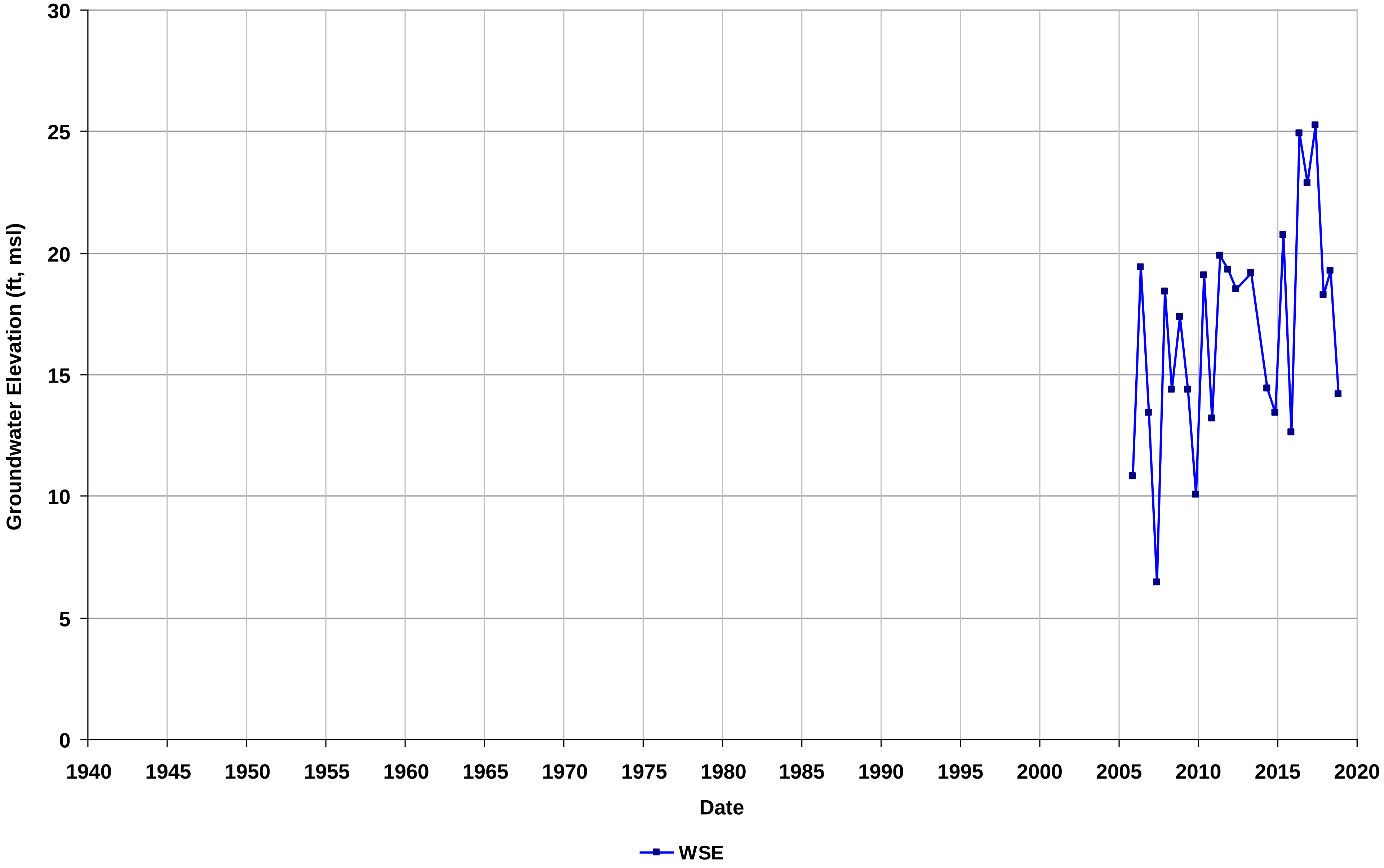
Well Name: SL18290711-EI-2
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 74.2-94
T/R/S: 04S/01W/07
Well Use: Observation



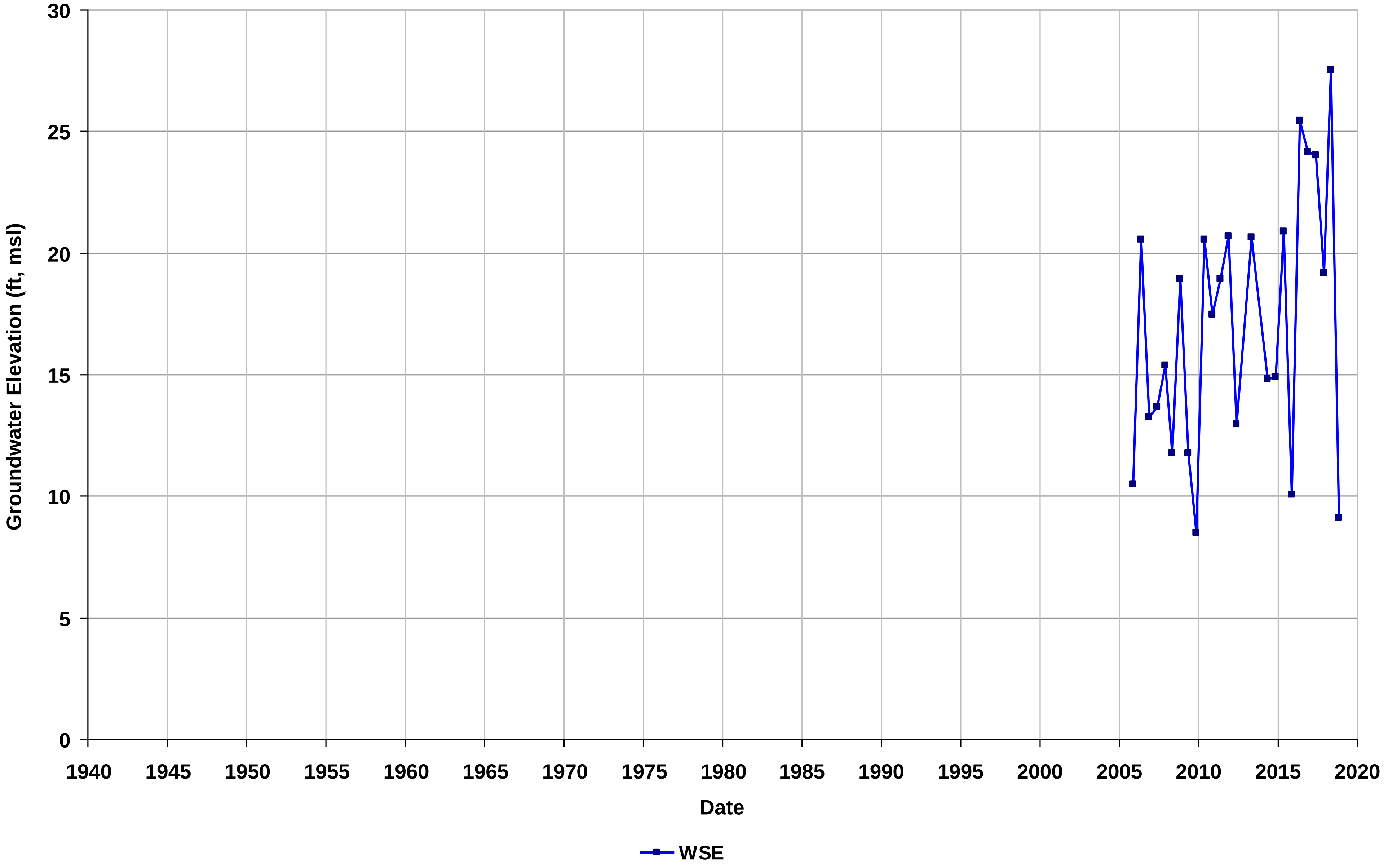
Well Name: SL18290711-ES-10
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 45.3-55
T/R/S: 04S/01W/07
Well Use: Observation



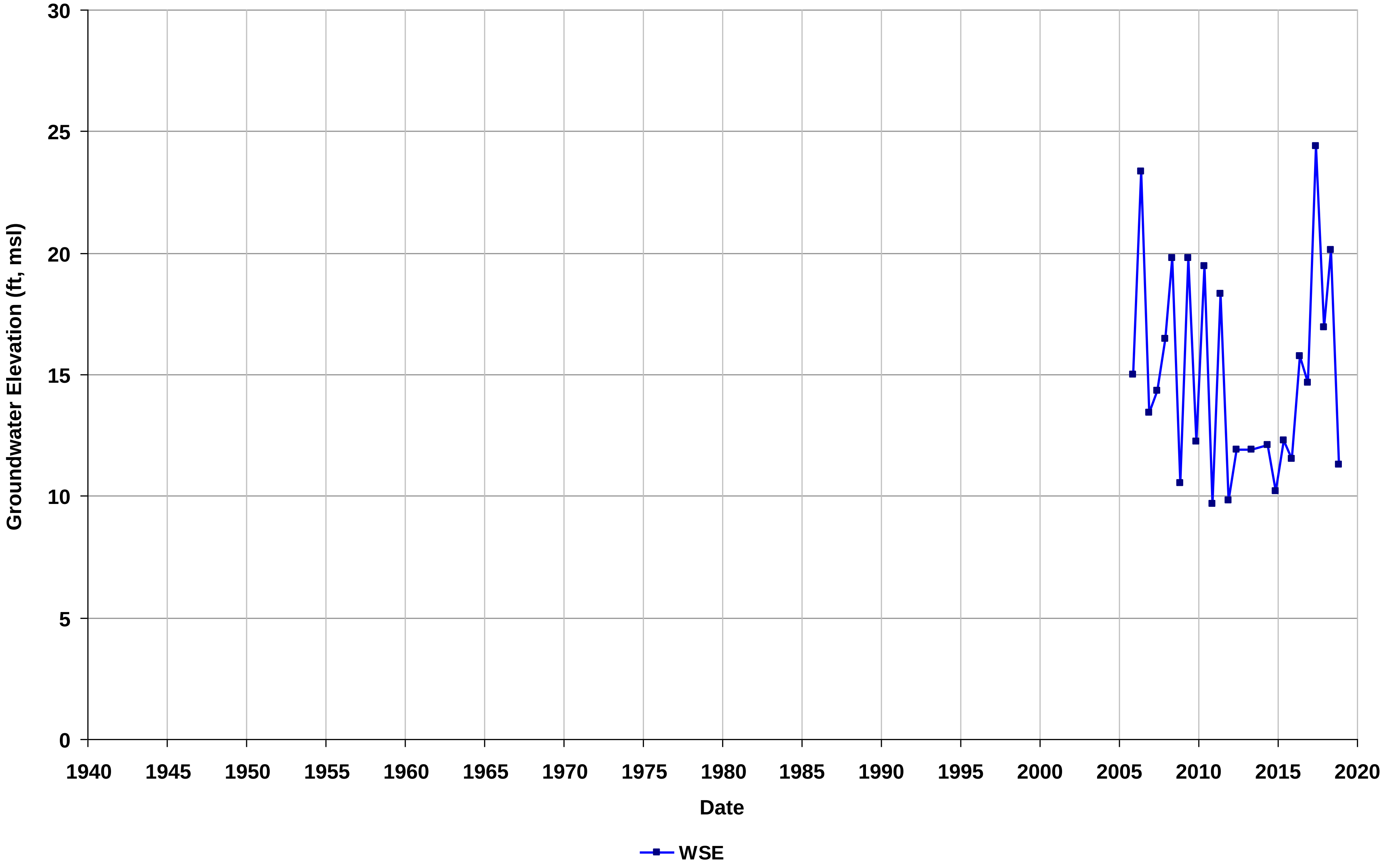
Well Name: SL18290711-ES-11
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 47.3-57
T/R/S: 04S/01W/07
Well Use: Observation



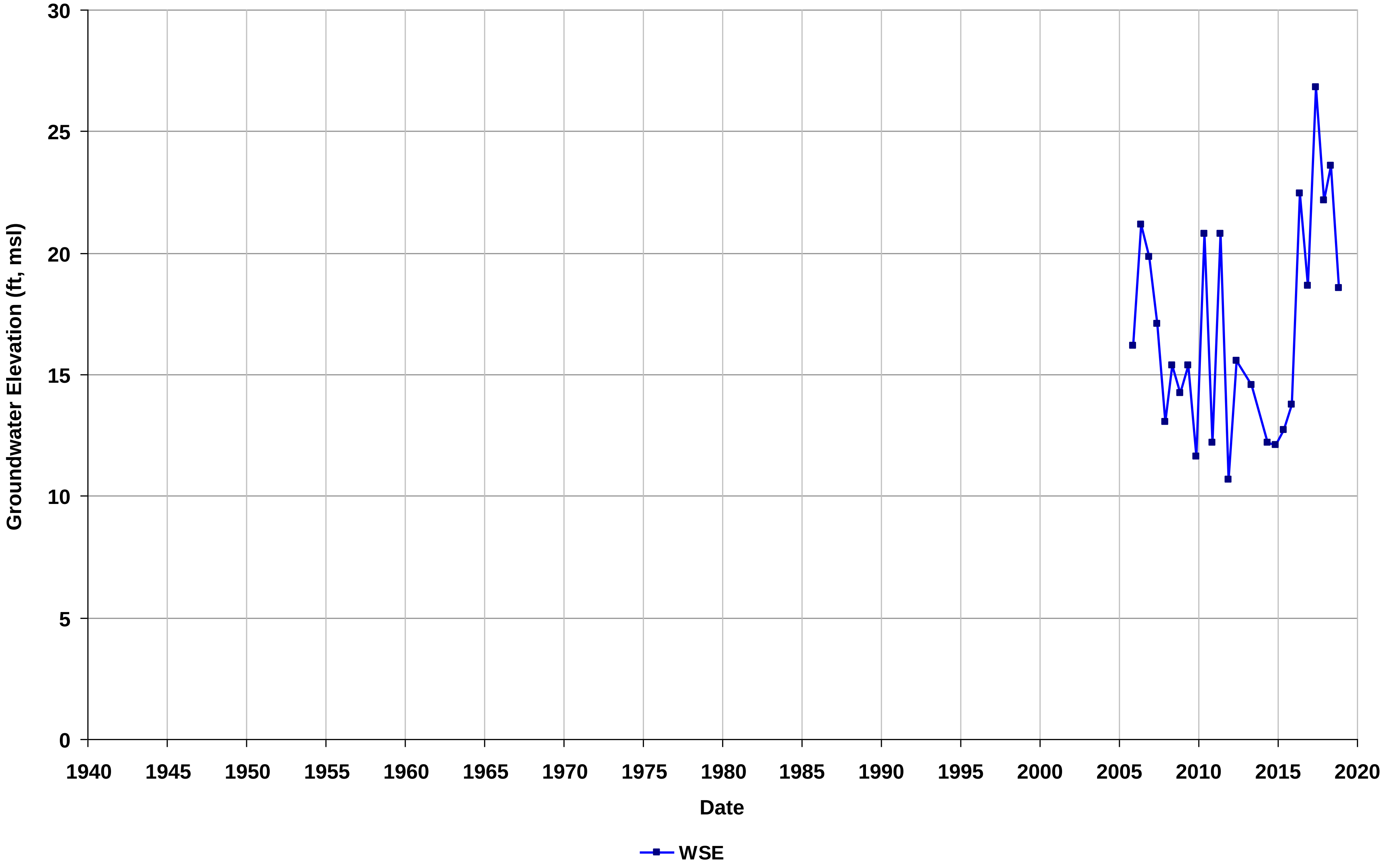
Well Name: SL18290711-ES-12
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 43.8-54
T/R/S: 04S/01W/07
Well Use: Observation



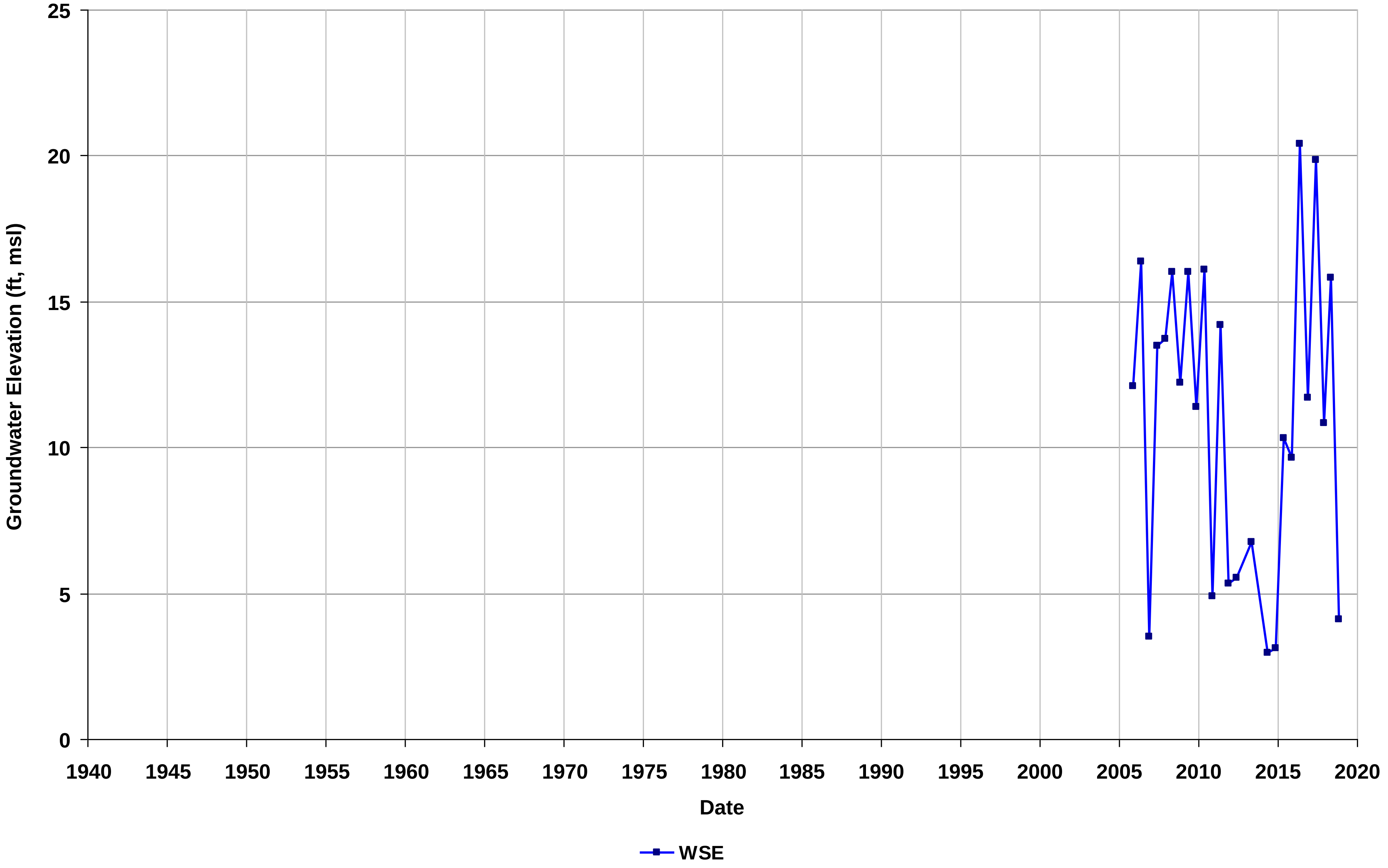
Well Name: SL18290711-ES-13
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 45.1-55
T/R/S: 04S/01W/07
Well Use: Observation



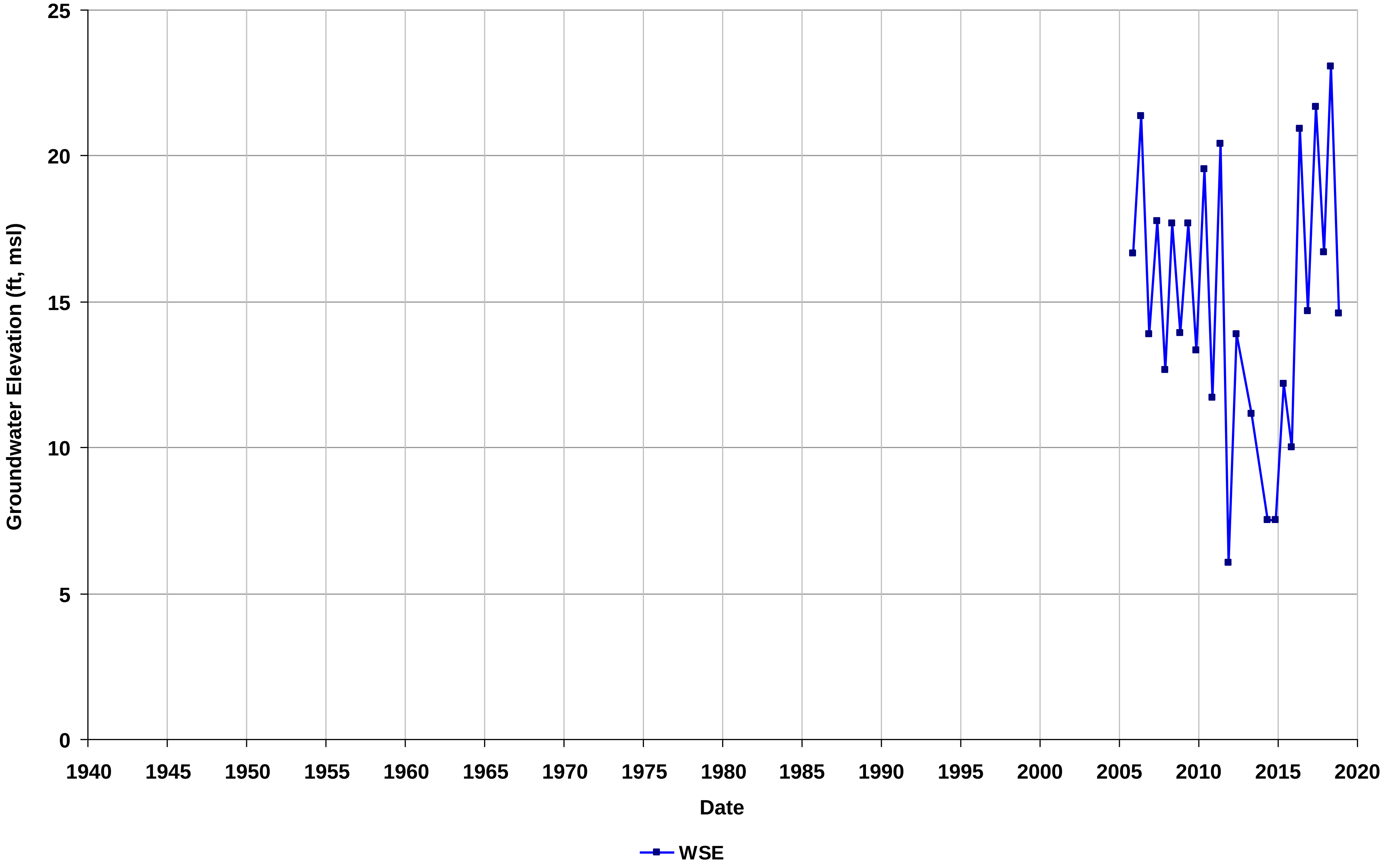
Well Name: SL18290711-ES-15
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 47.2-57
T/R/S: 04S/01W/07
Well Use: Observation



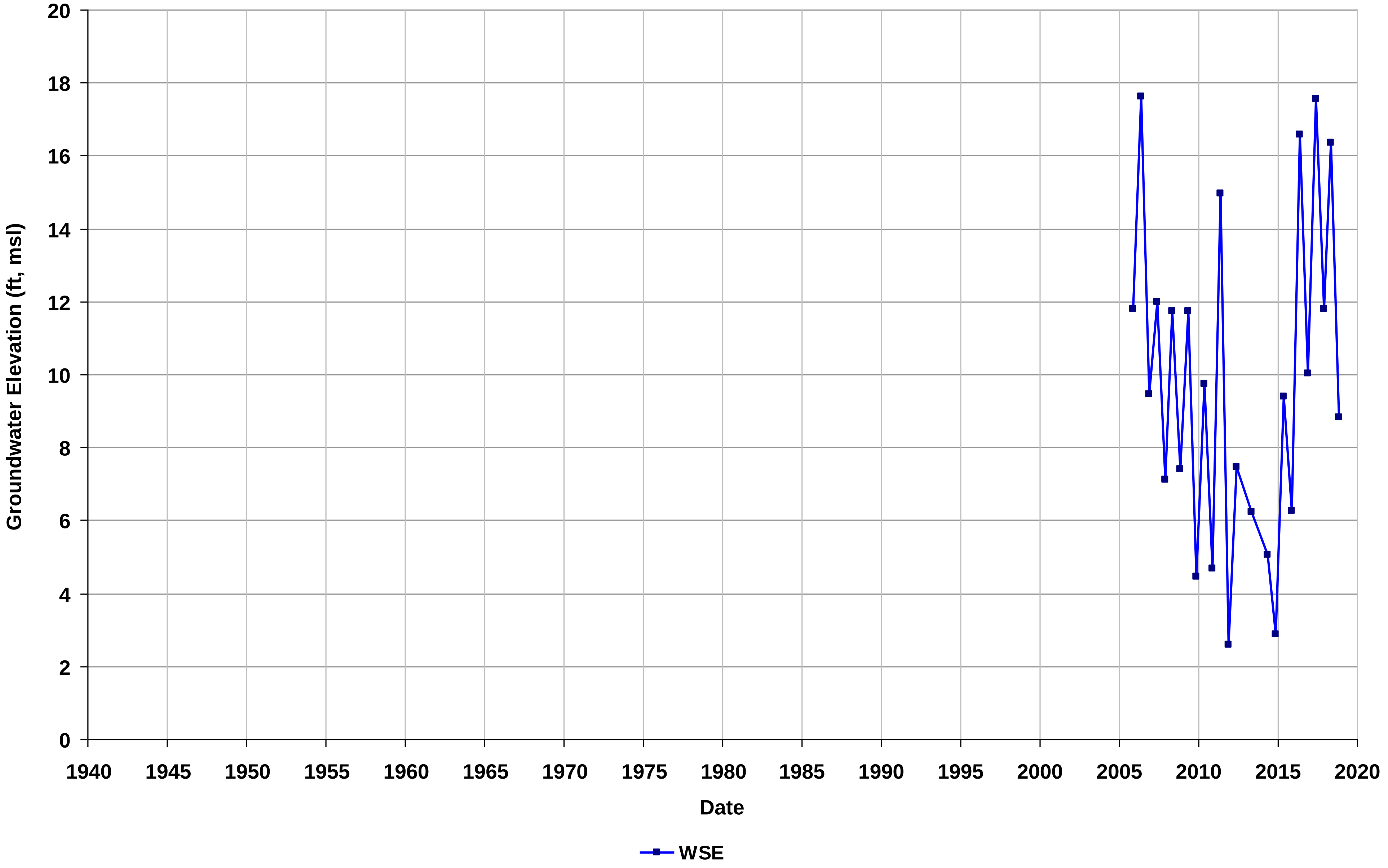
Well Name: SL18290711-ES-16
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 46.5-56
T/R/S: 04S/01W/07
Well Use: Observation



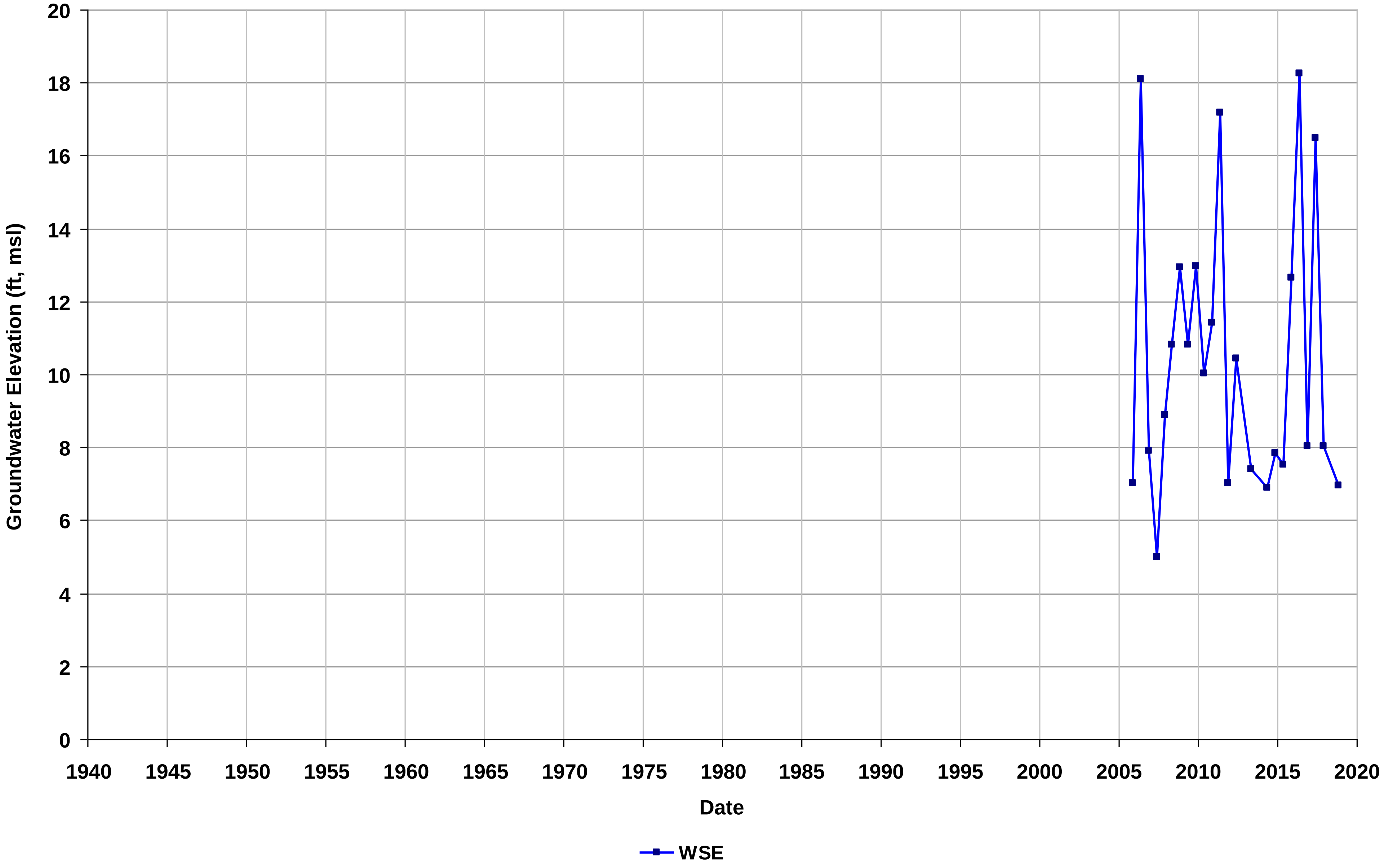
Well Name: SL18290711-ES-17
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 46-56
T/R/S: 04S/01W/07
Well Use: Observation



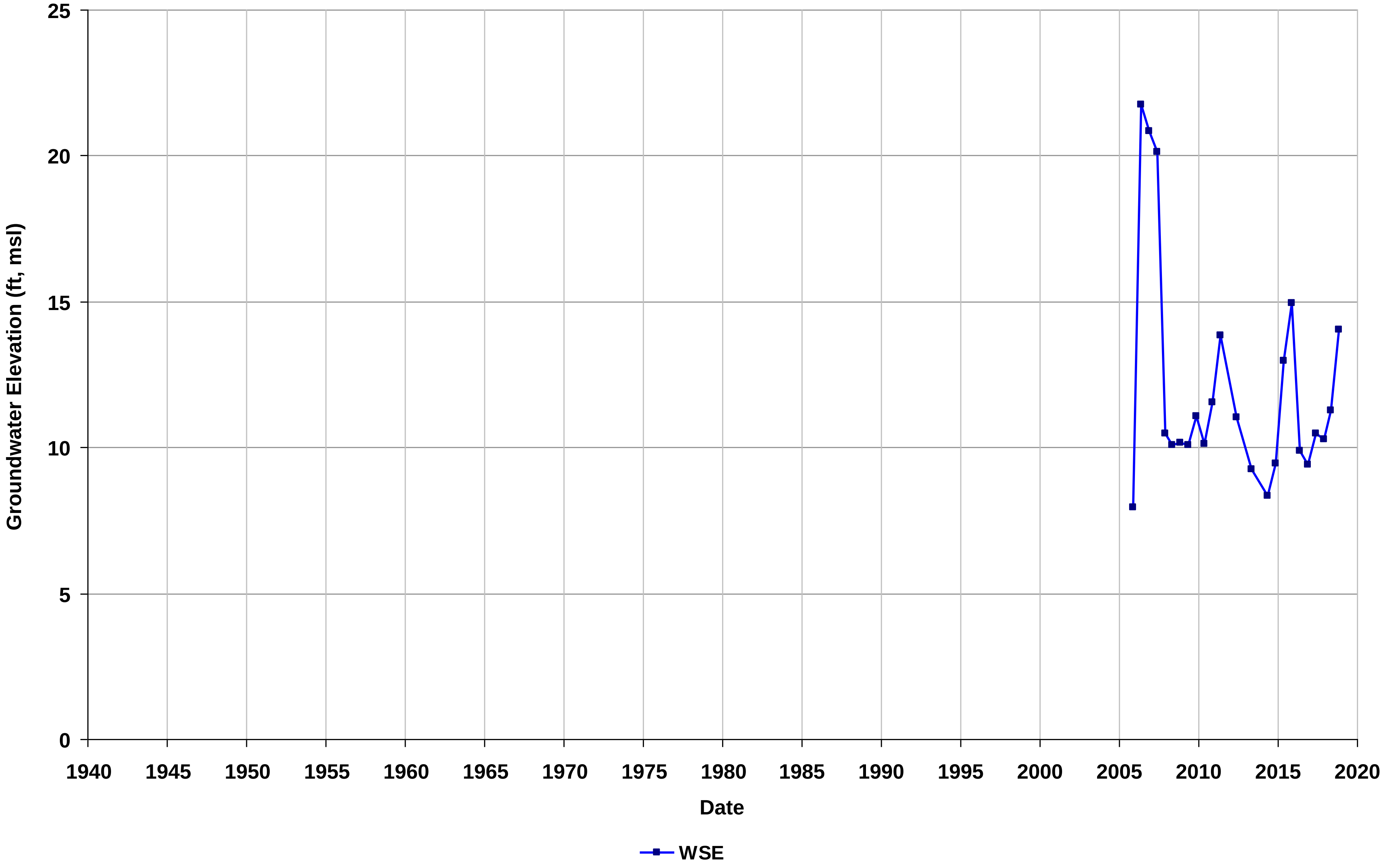
Well Name: SL18290711-ES-18
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 46-56
T/R/S: 04S/01W/07
Well Use: Observation



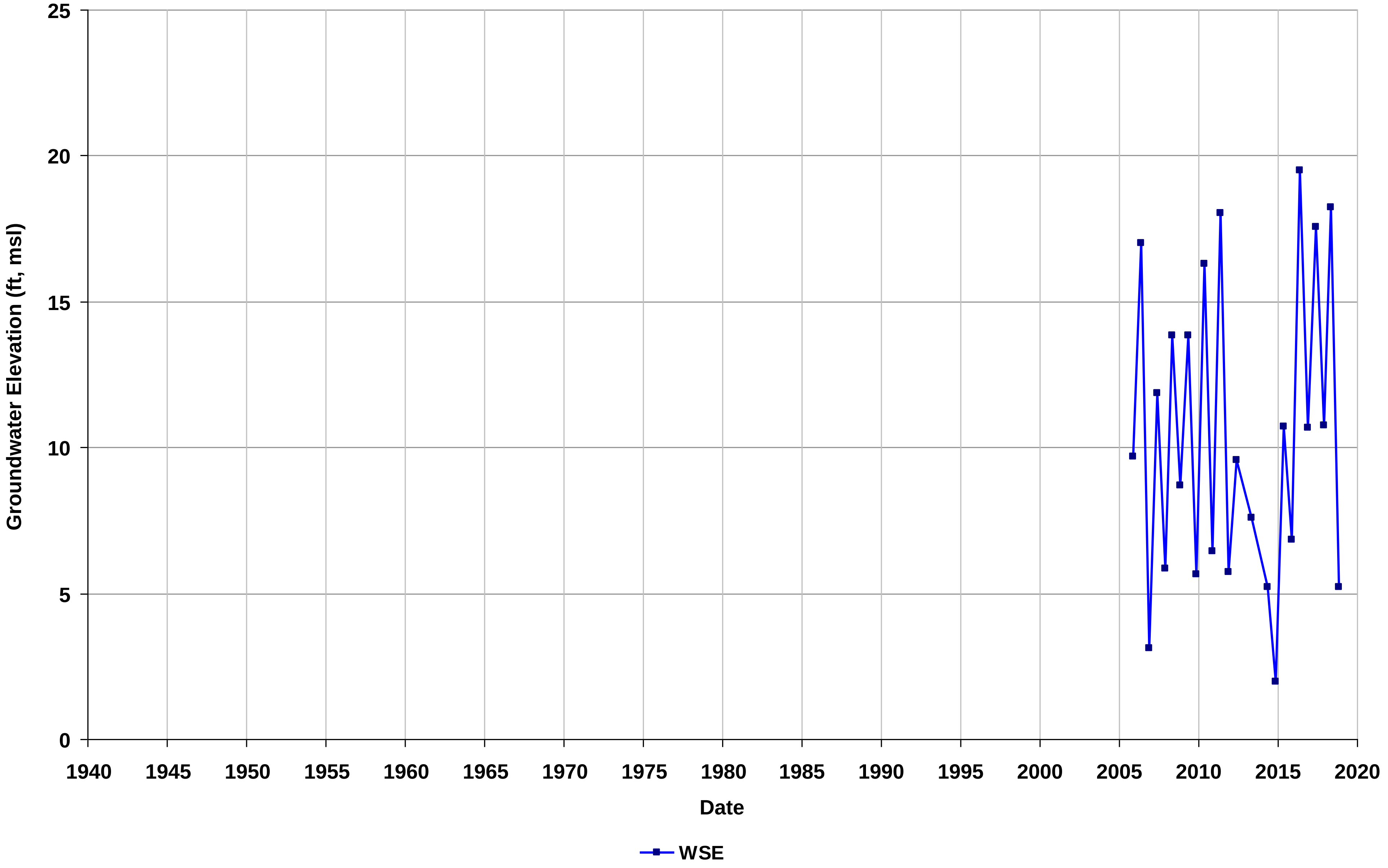
Well Name: SL18290711-ES-19
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 44.5-54
T/R/S: 04S/01W/07
Well Use: Observation



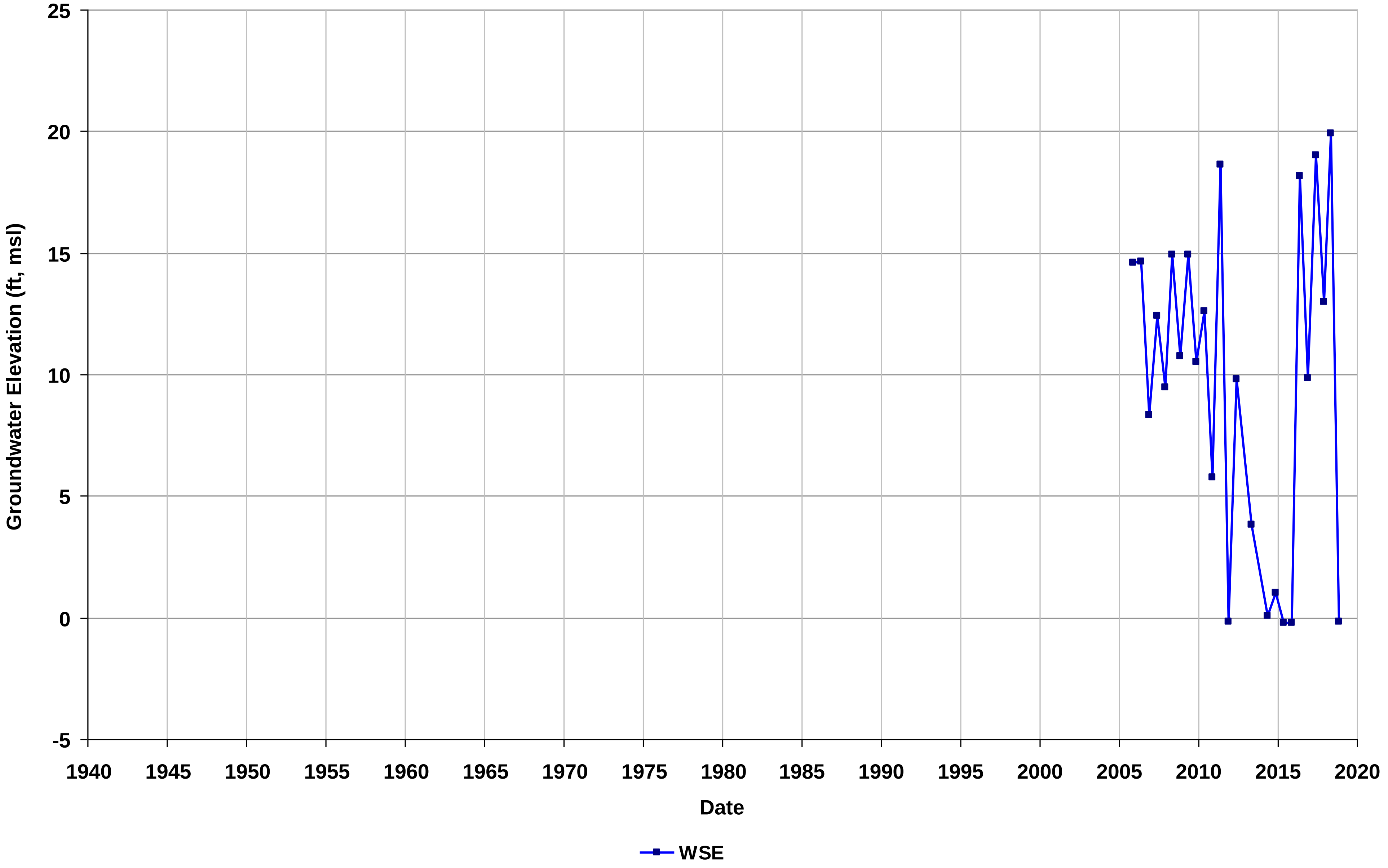
Well Name: SL18290711-ES-20
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 45-55
T/R/S: 04S/01W/07
Well Use: Observation



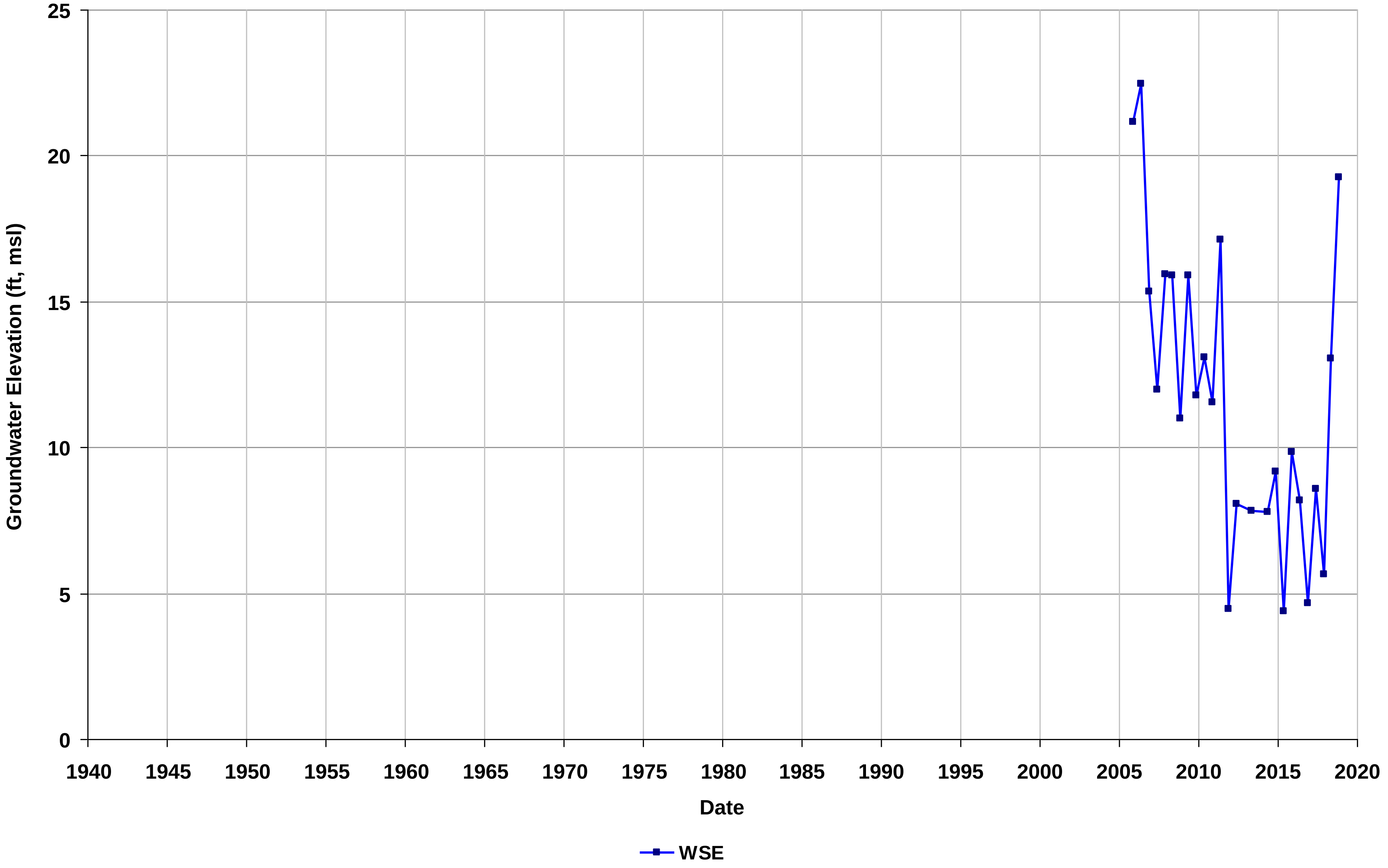
Well Name: SL18290711-ES-21
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 45-55
T/R/S: 04S/01W/18
Well Use: Observation



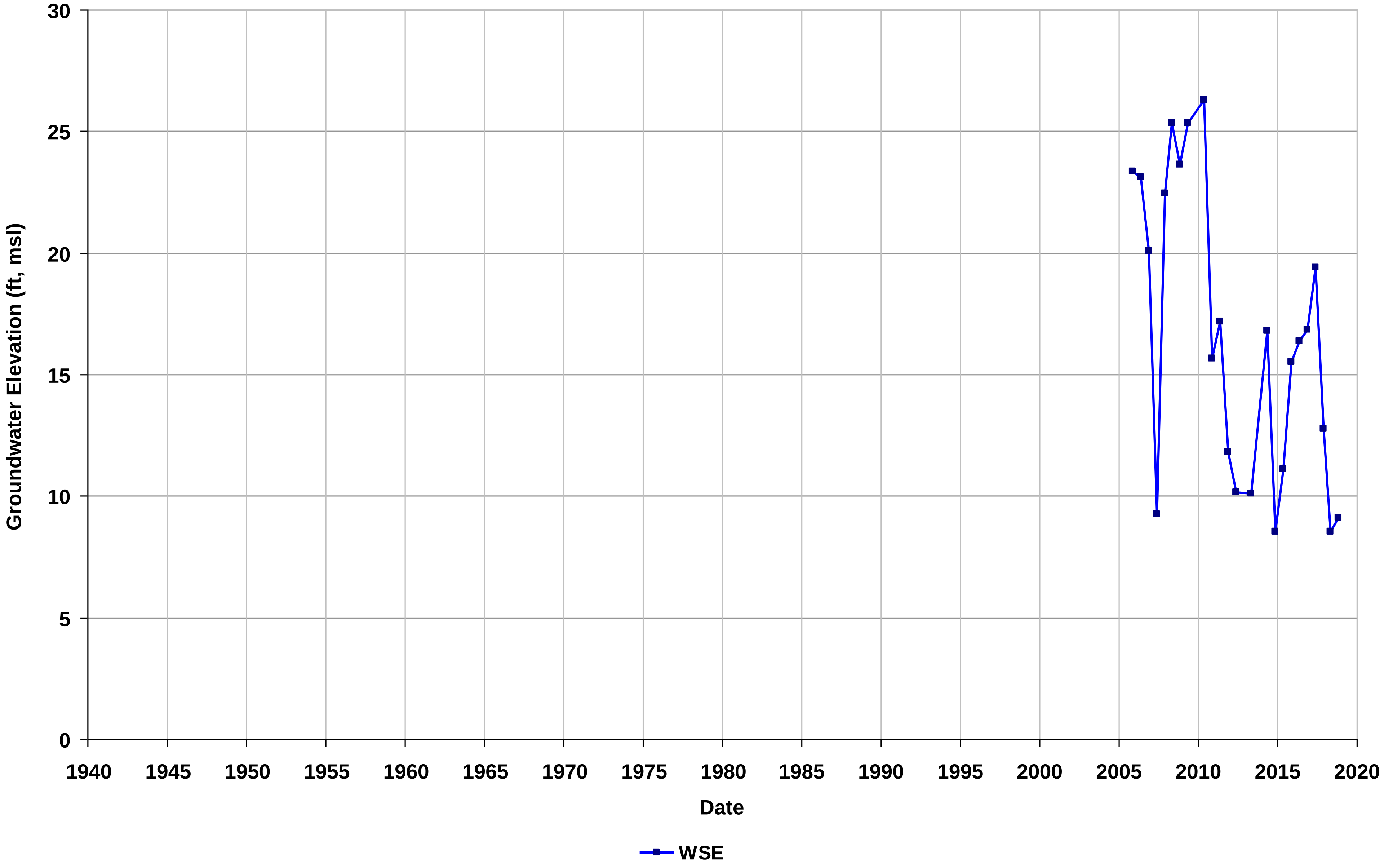
Well Name: SL18290711-ES-3
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 55-65
T/R/S: 04S/01W/07
Well Use: Observation



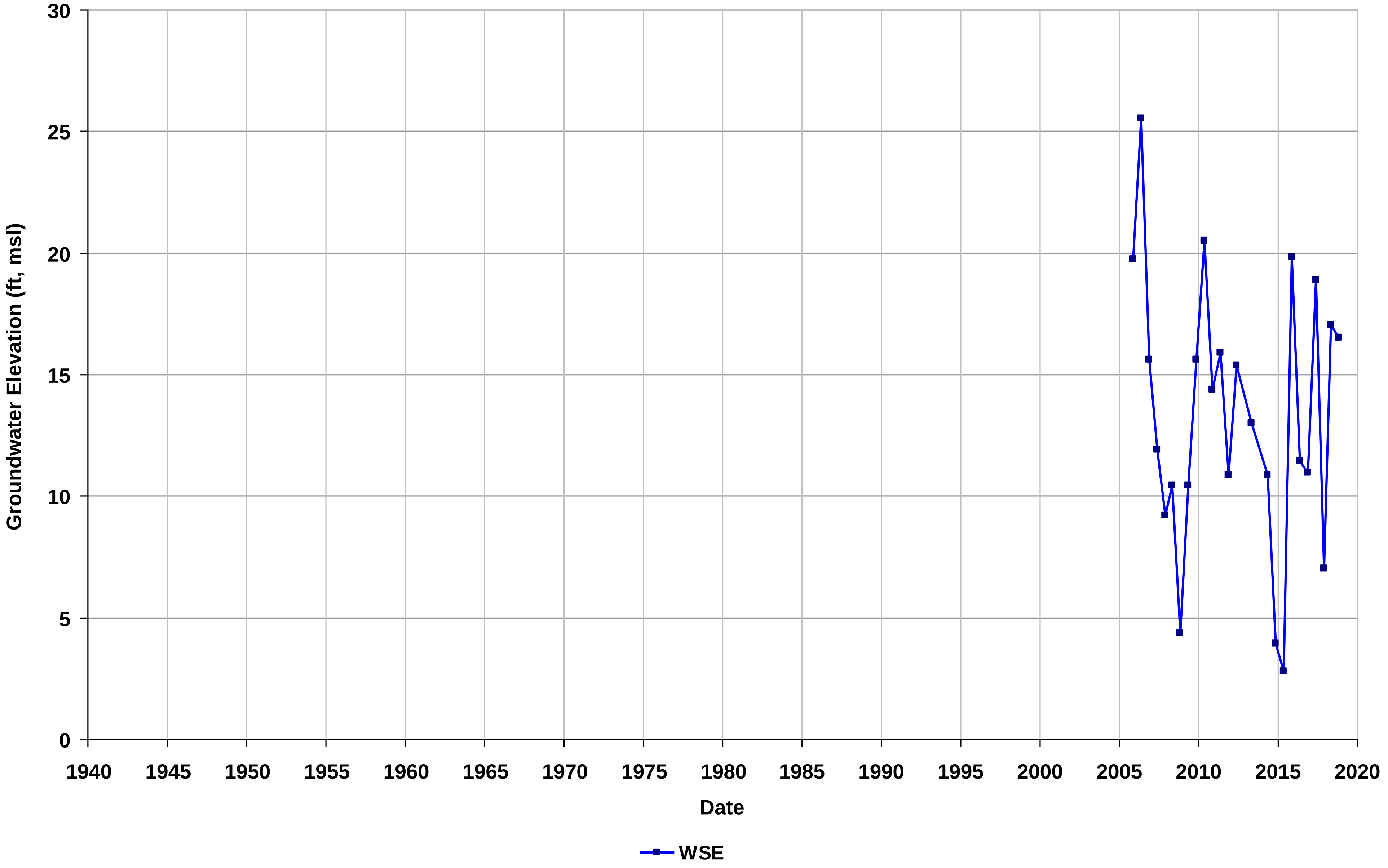
Well Name: SL18290711-ES-4
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 55-65
T/R/S: 04S/01W/07
Well Use: Observation



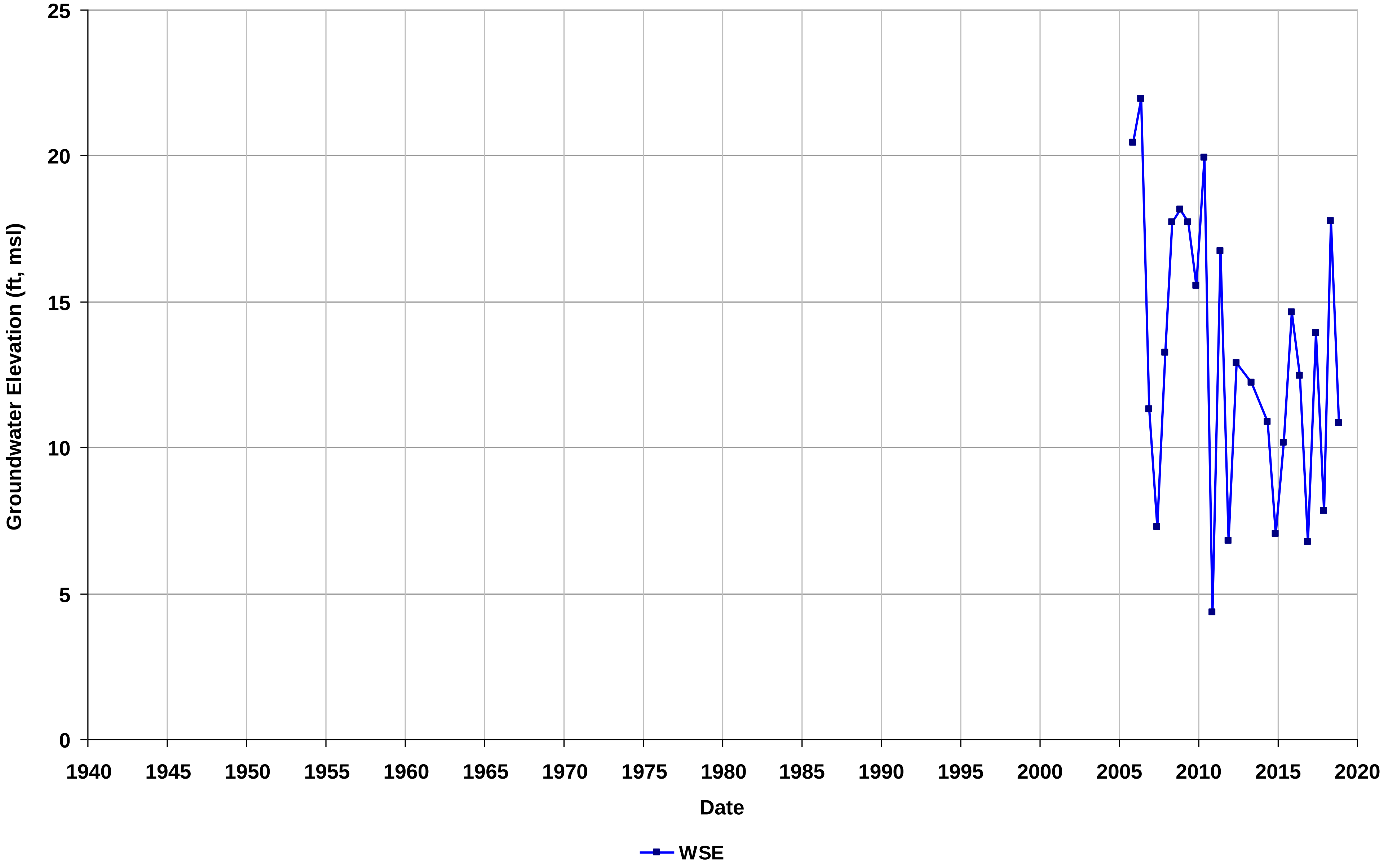
Well Name: SL18290711-ES-6R
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 55-65
T/R/S: 04S/01W/07
Well Use: Observation



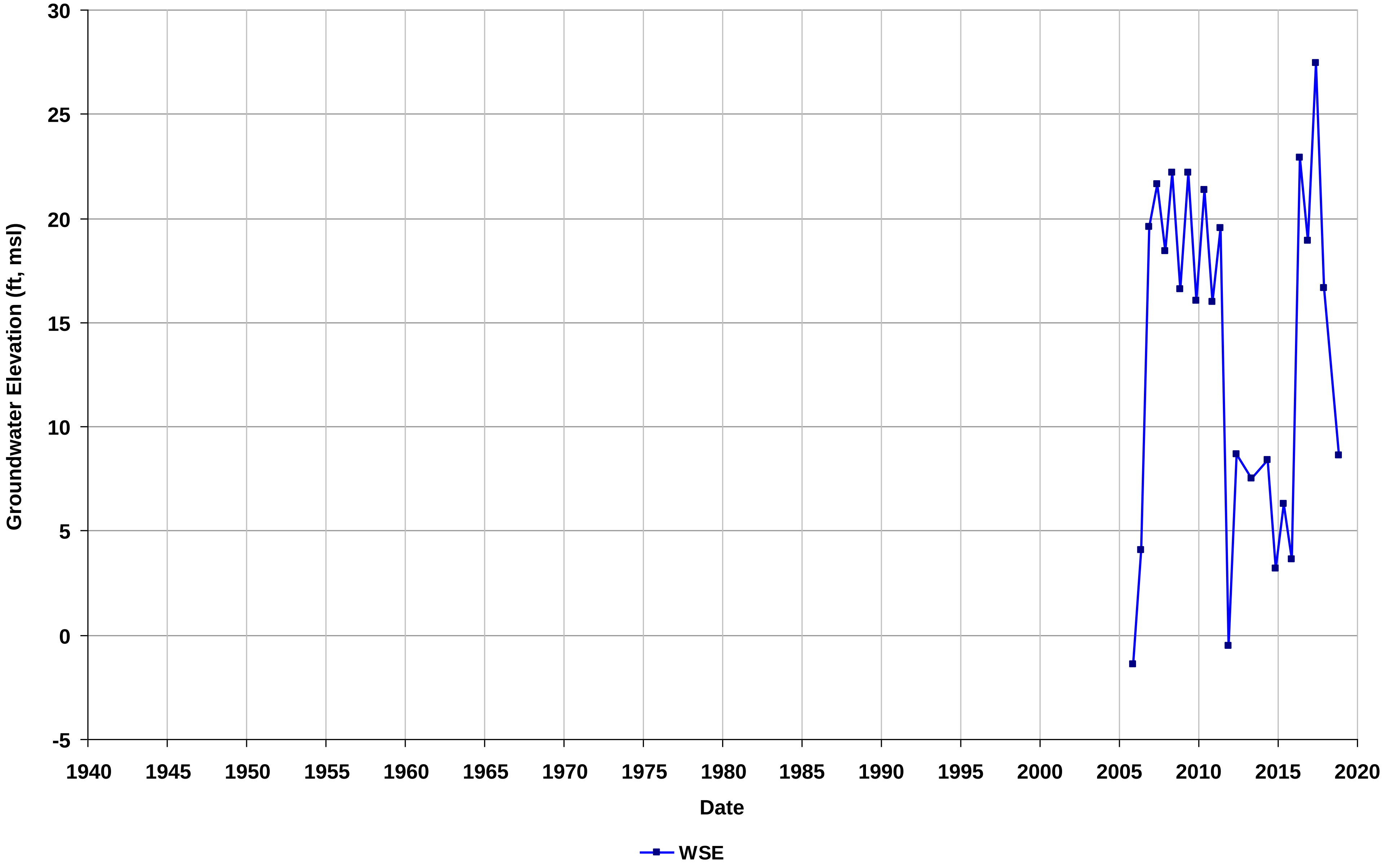
Well Name: SL18290711-ES-7
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 52-62
T/R/S: 04S/01W/07
Well Use: Observation



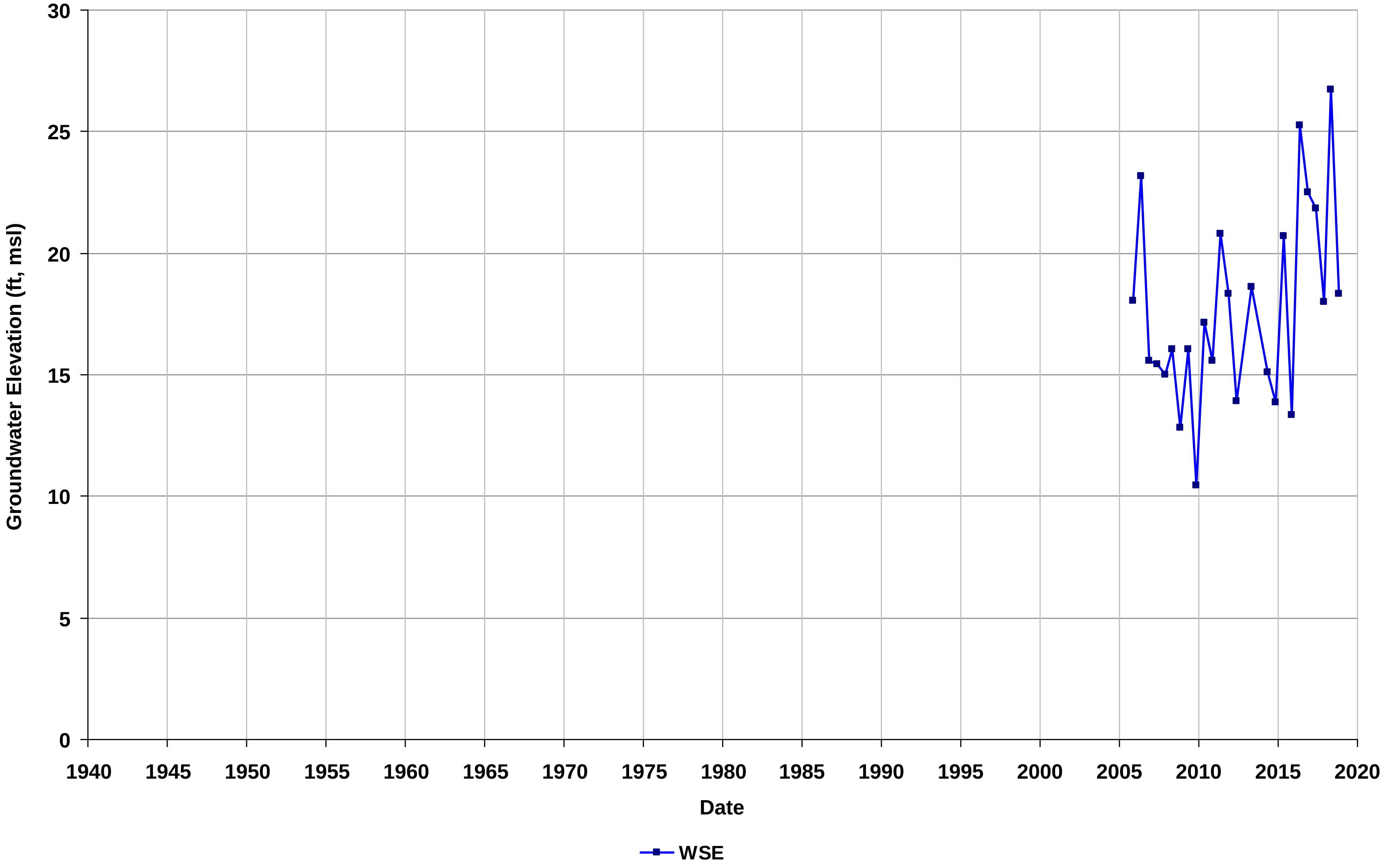
Well Name: SL18290711-ES-8
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 56.8-67
T/R/S: 04S/01W/07
Well Use: Observation



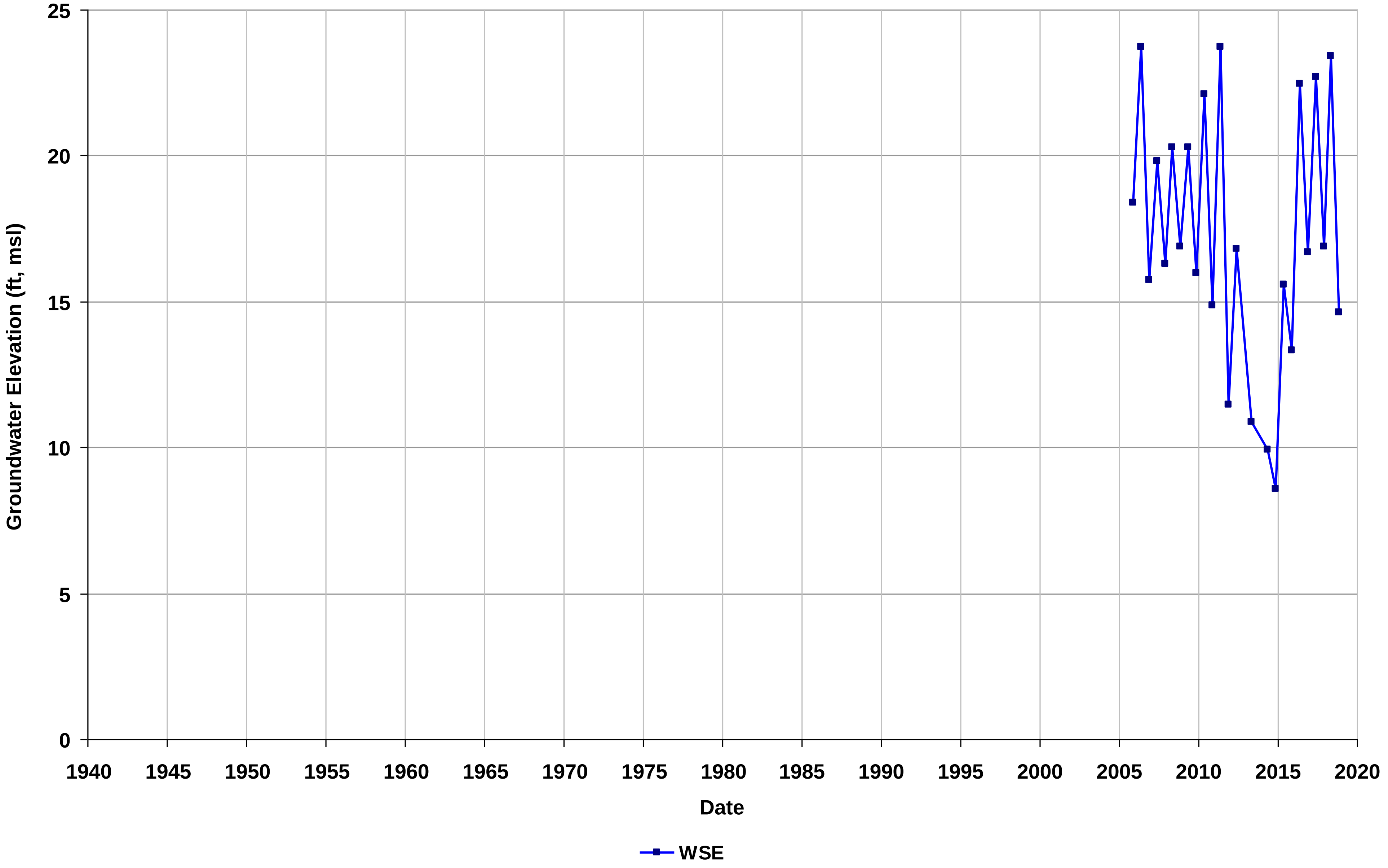
Well Name: SL18290711-ES-9
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 46.3-56
T/R/S: 04S/01W/07
Well Use: Observation



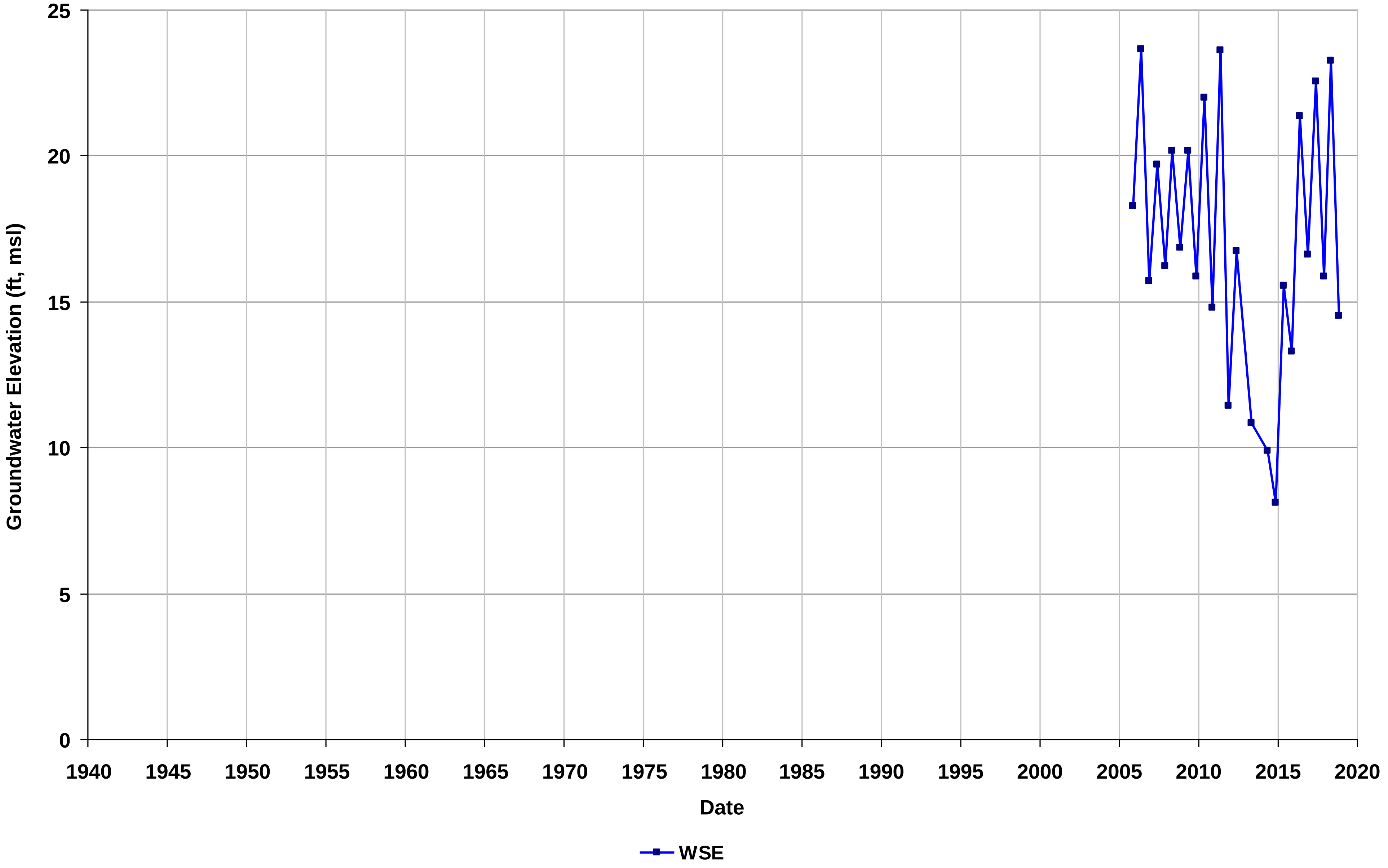
Well Name: SL18290711-IW-10
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 67-92
T/R/S: 04S/01W/07
Well Use: Observation



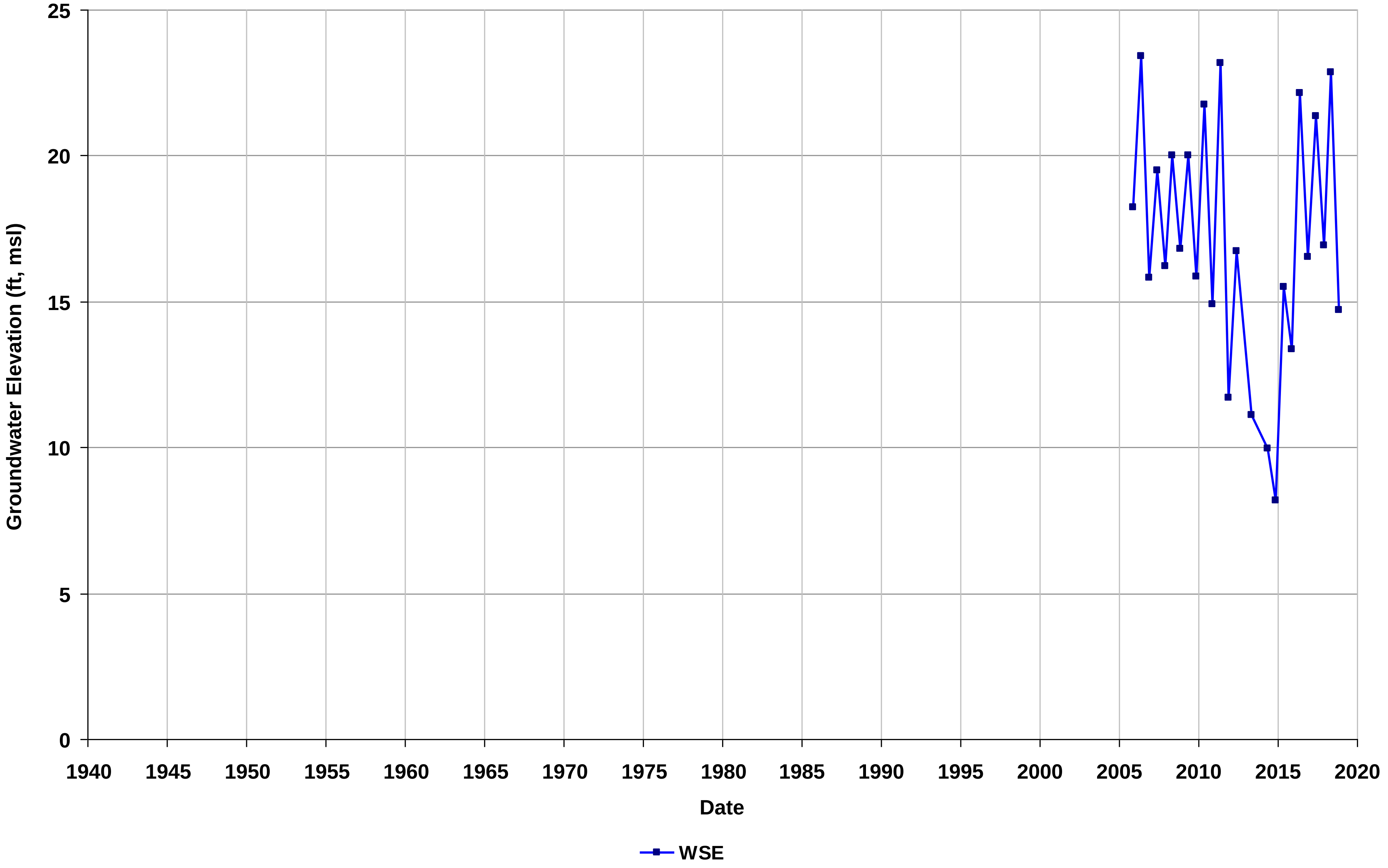
Well Name: SL18290711-IW-11
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 72-102
T/R/S: 04S/01W/18
Well Use: Observation



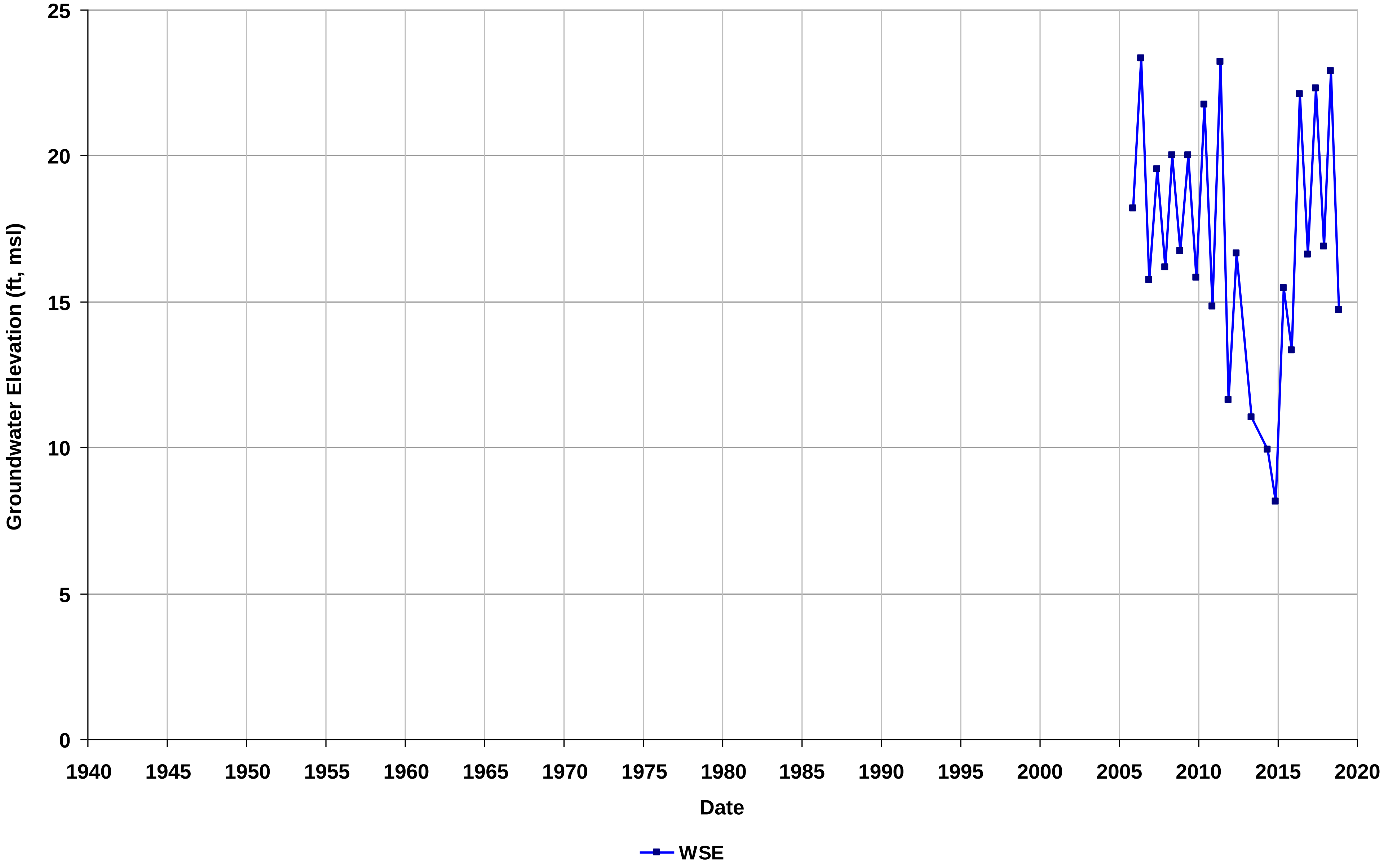
Well Name: SL18290711-IW-13
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 70-100
T/R/S: 04S/01W/07
Well Use: Observation



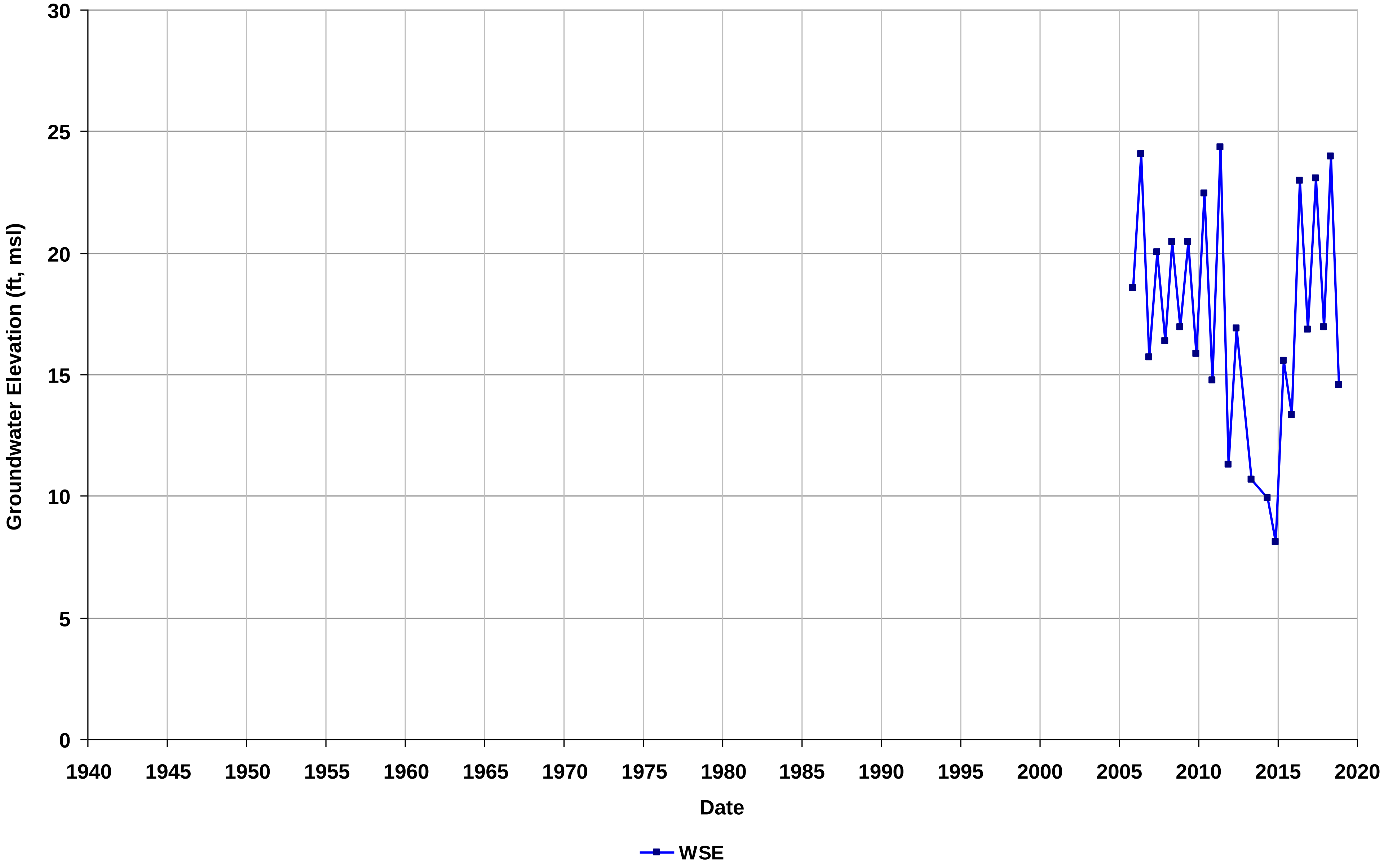
Well Name: SL18290711-IW-16
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 71-111
T/R/S: 04S/01W/18
Well Use: Observation



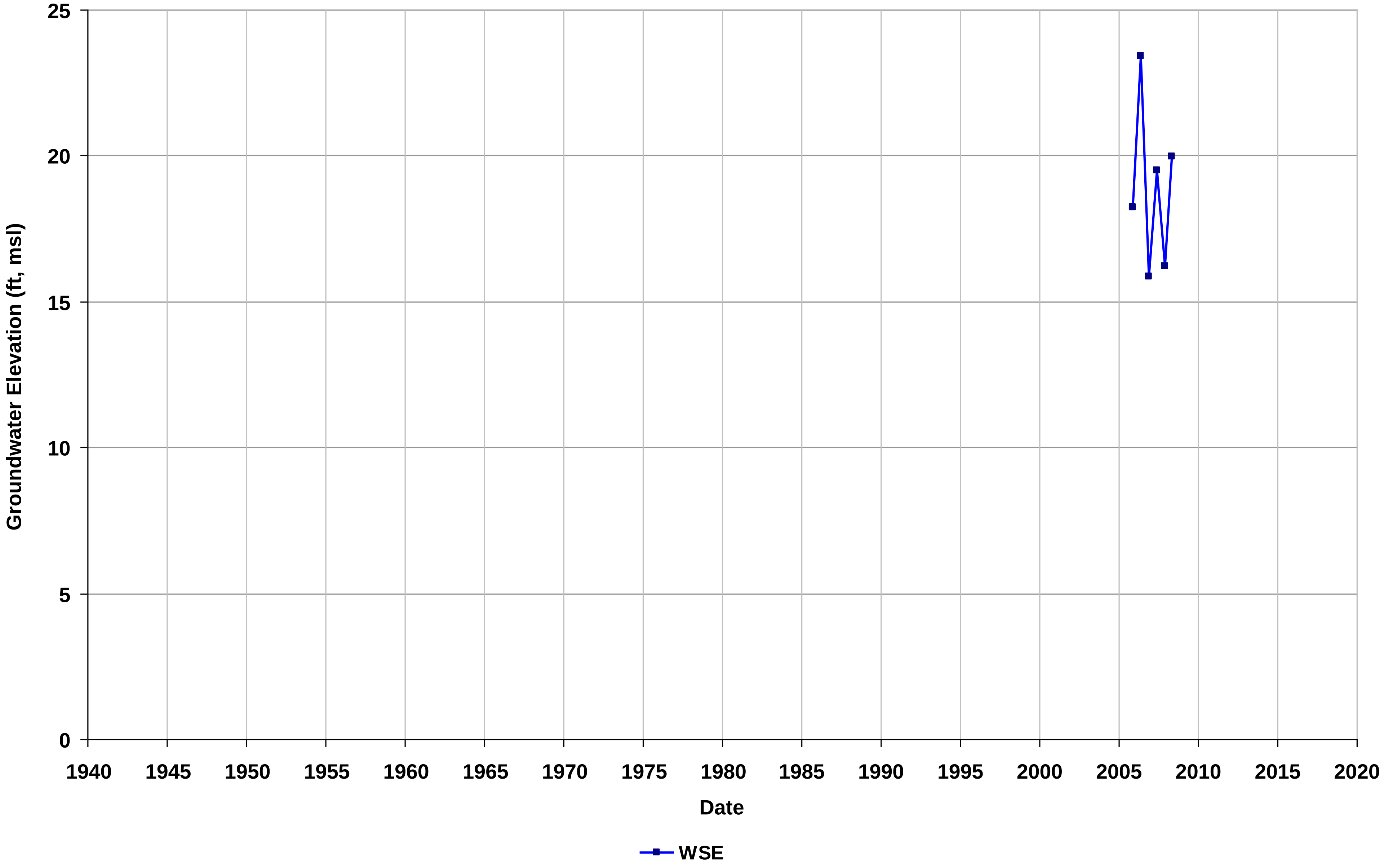
Well Name: SL18290711-IW-17
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 77-101
T/R/S: 04S/01W/18
Well Use: Observation



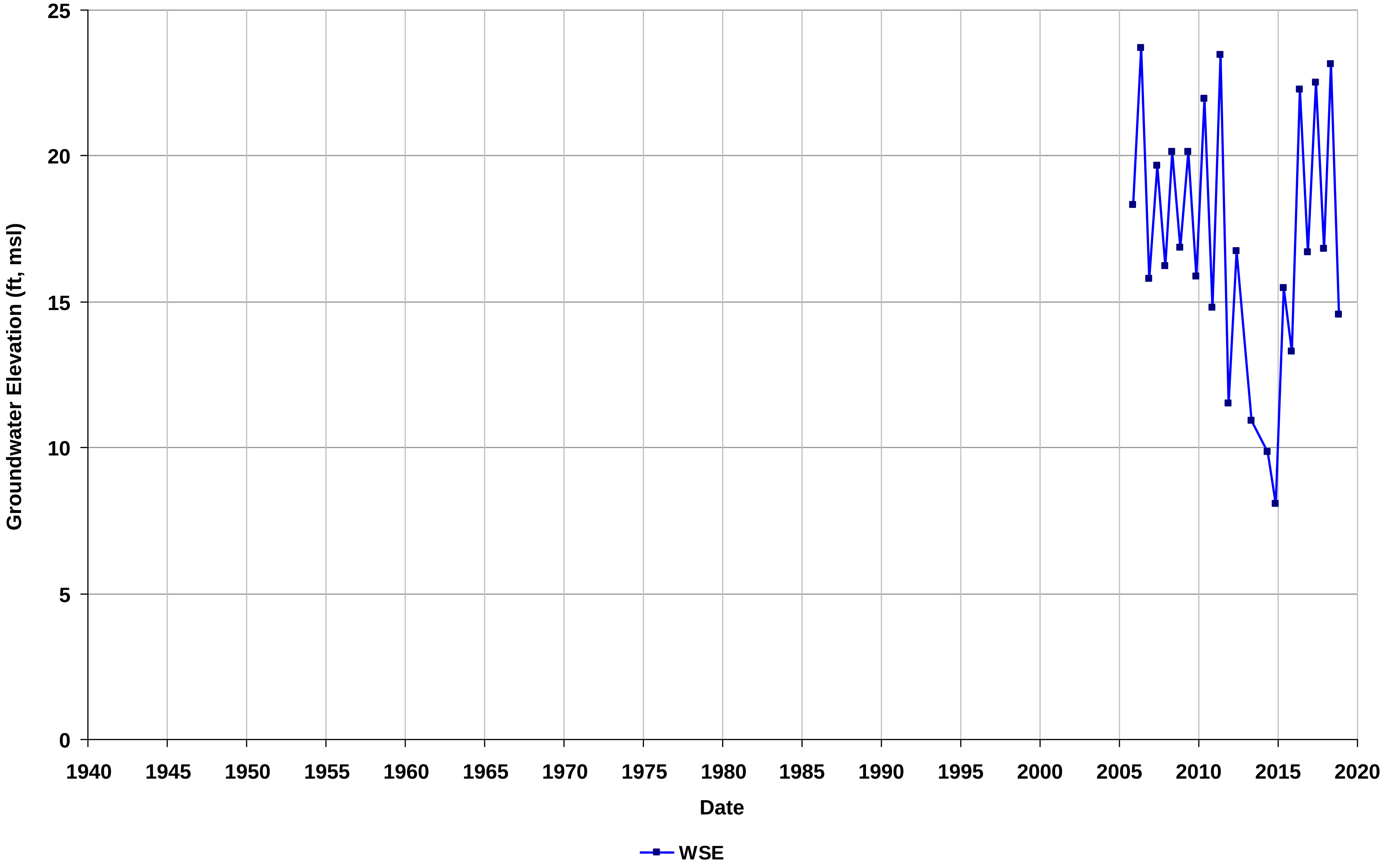
Well Name: SL18290711-IW-2
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 93-103
T/R/S: 04S/01W/07
Well Use: Observation



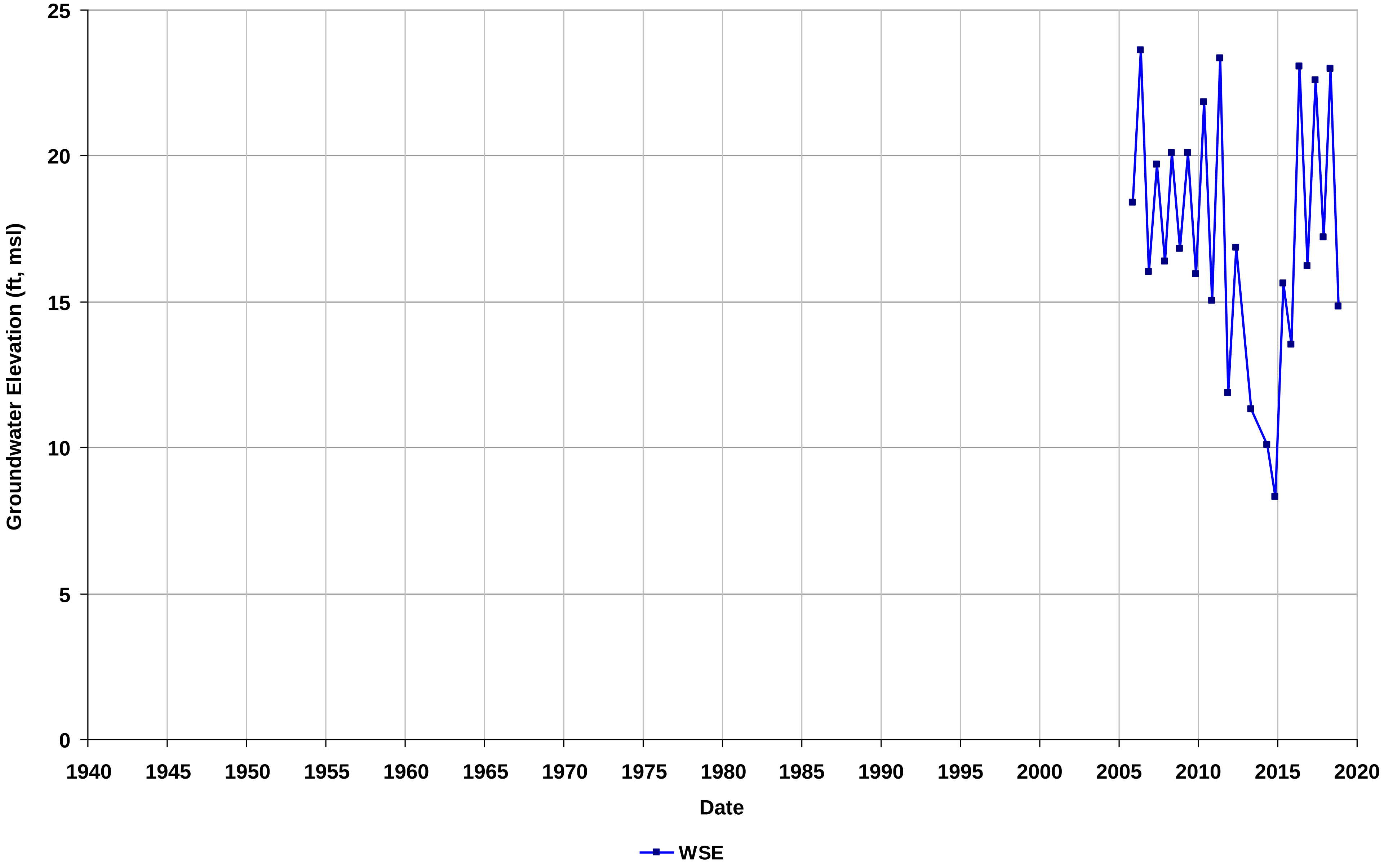
Well Name: SL18290711-IW-5A
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 81-91
T/R/S: 04S/01W/07
Well Use: Observation



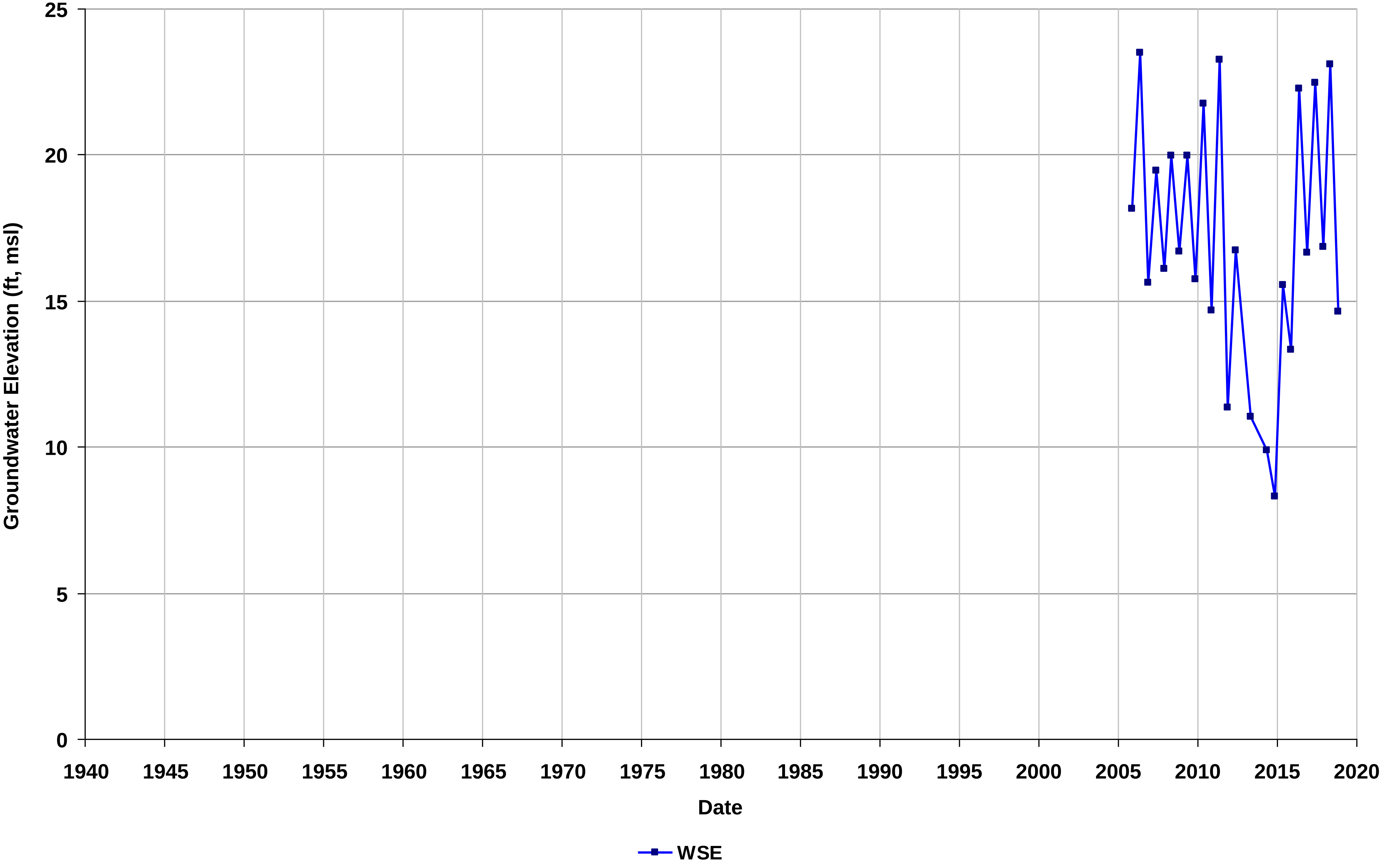
Well Name: SL18290711-IW-6
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 85-100
T/R/S: 04S/01W/07
Well Use: Observation



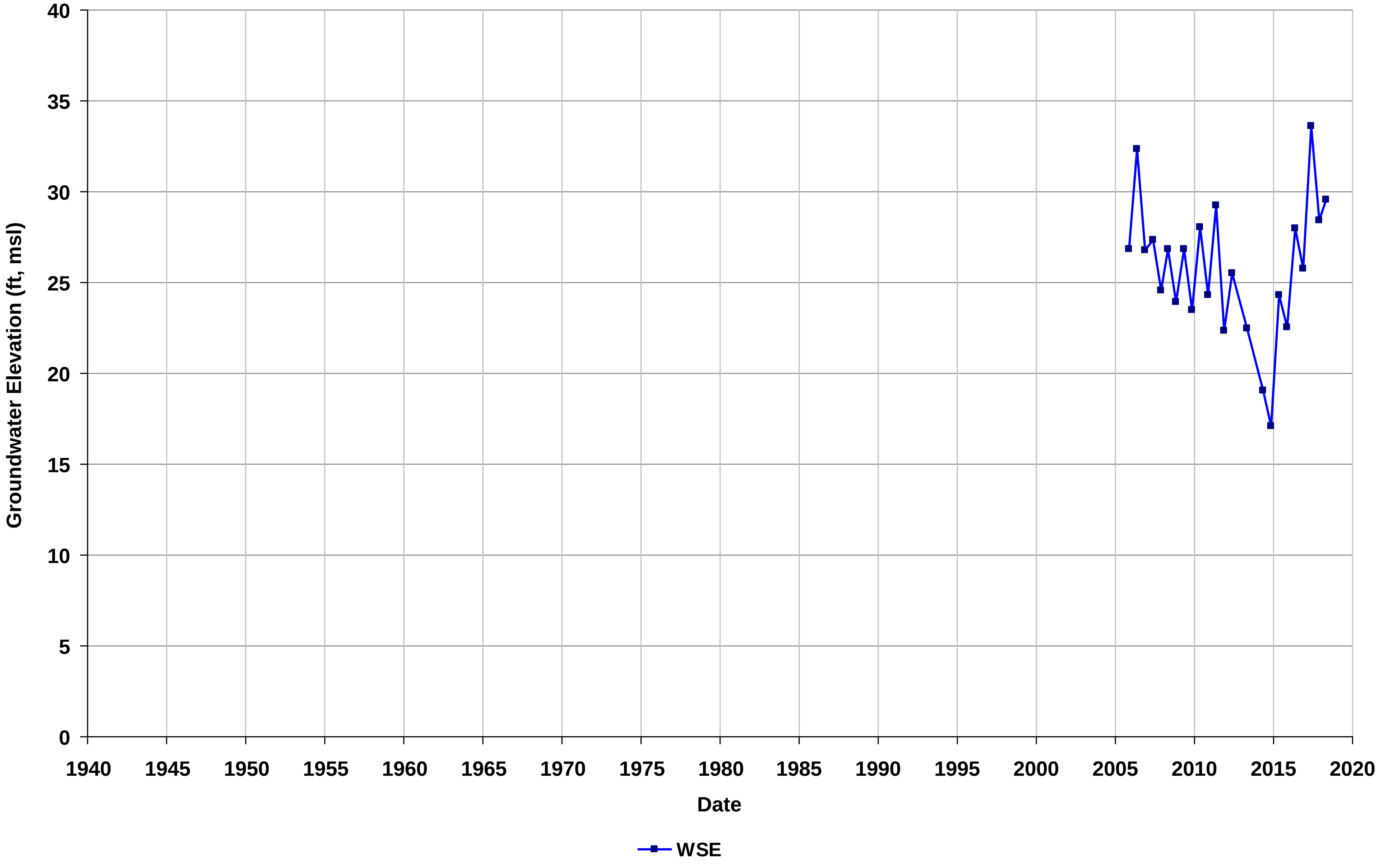
Well Name: SL18290711-IW-7
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 90.5-100
T/R/S: 04S/01W/07
Well Use: Observation



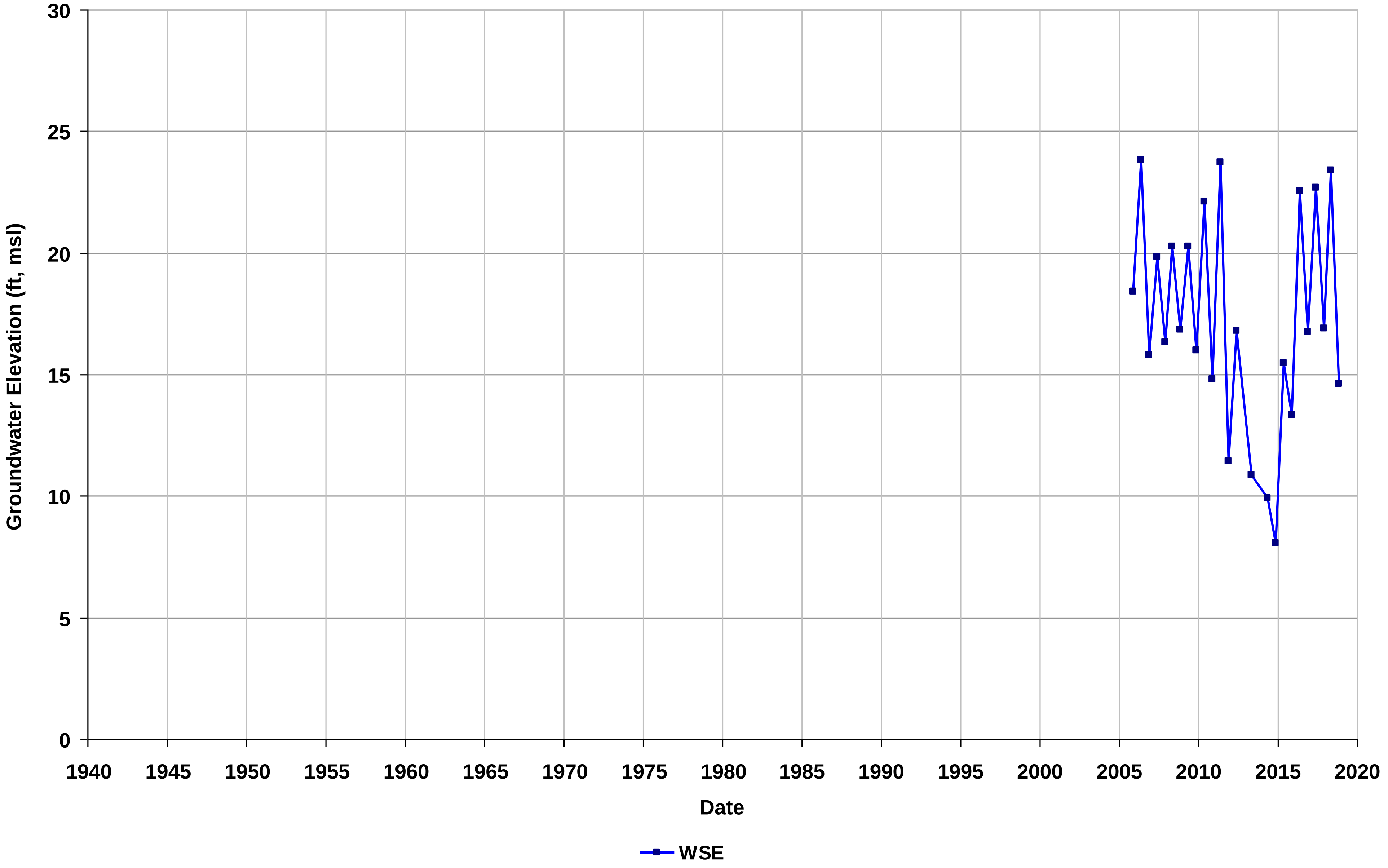
Well Name: SL18290711-IW-8
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 76-96
T/R/S: 04S/01W/07
Well Use: Observation



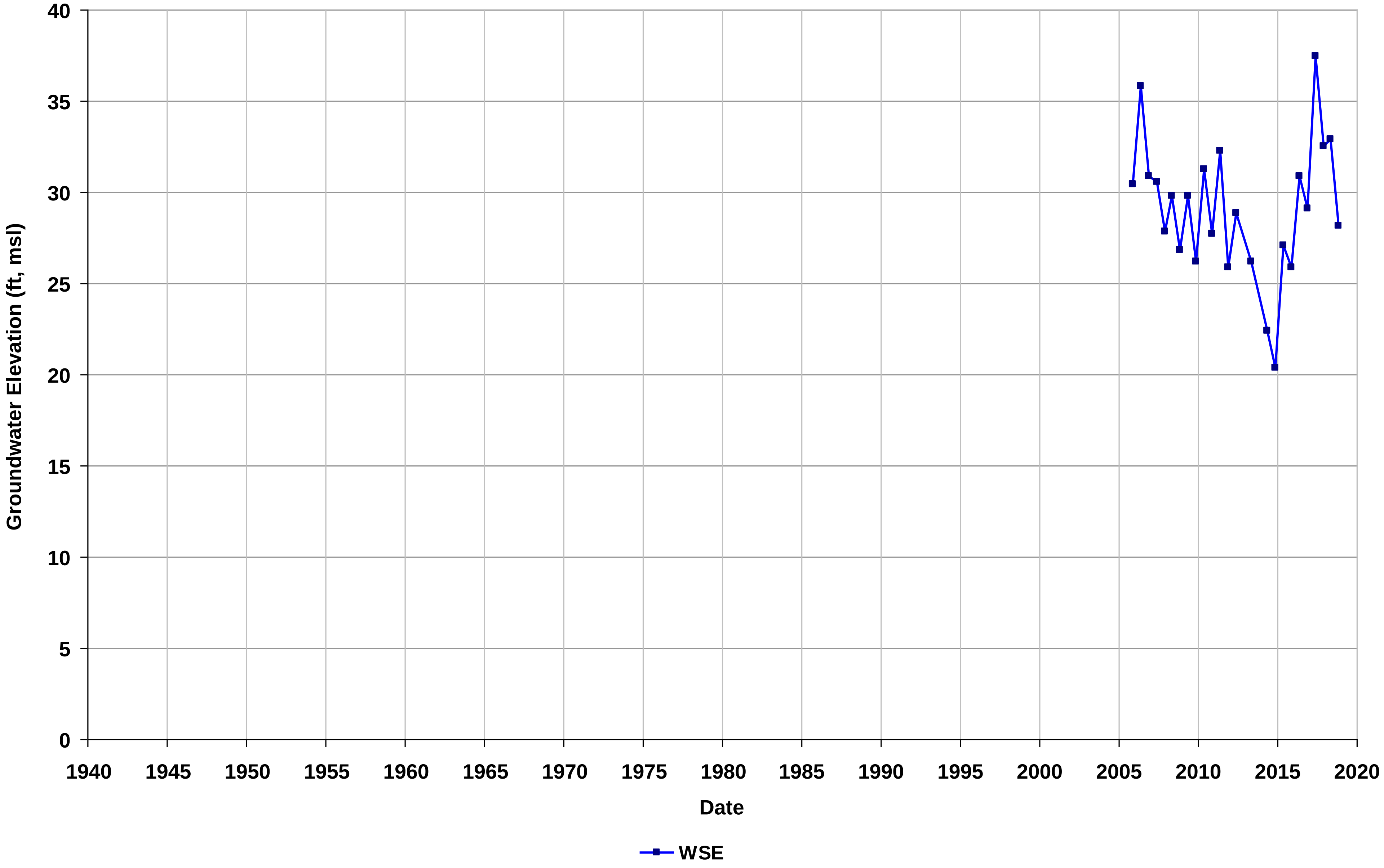
Well Name: SL18290711-IW-9
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 75-95
T/R/S: 04S/01W/07
Well Use: Observation



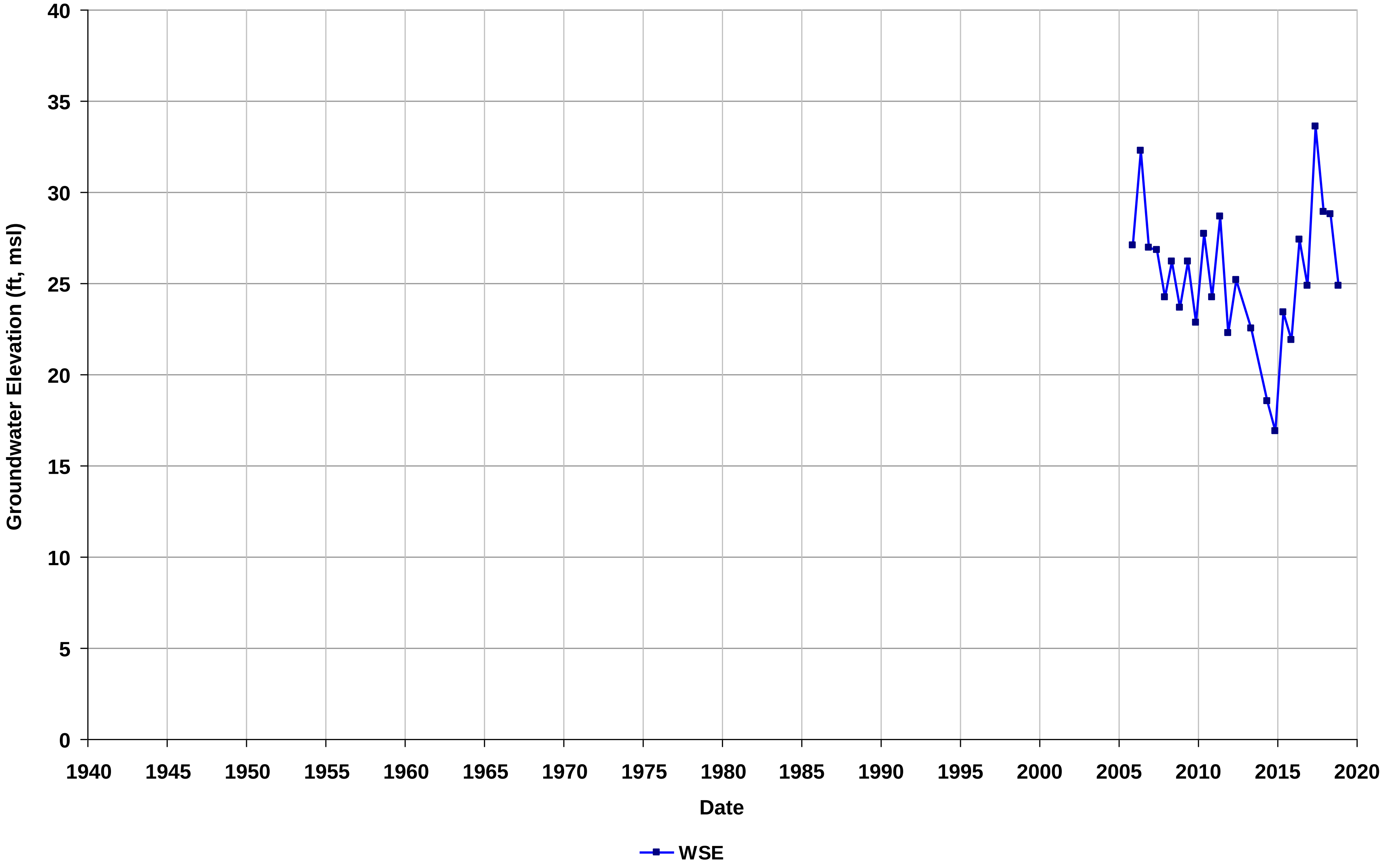
Well Name: SL18290711-OW-11
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 50.5-80
T/R/S: 04S/01W/07
Well Use: Observation



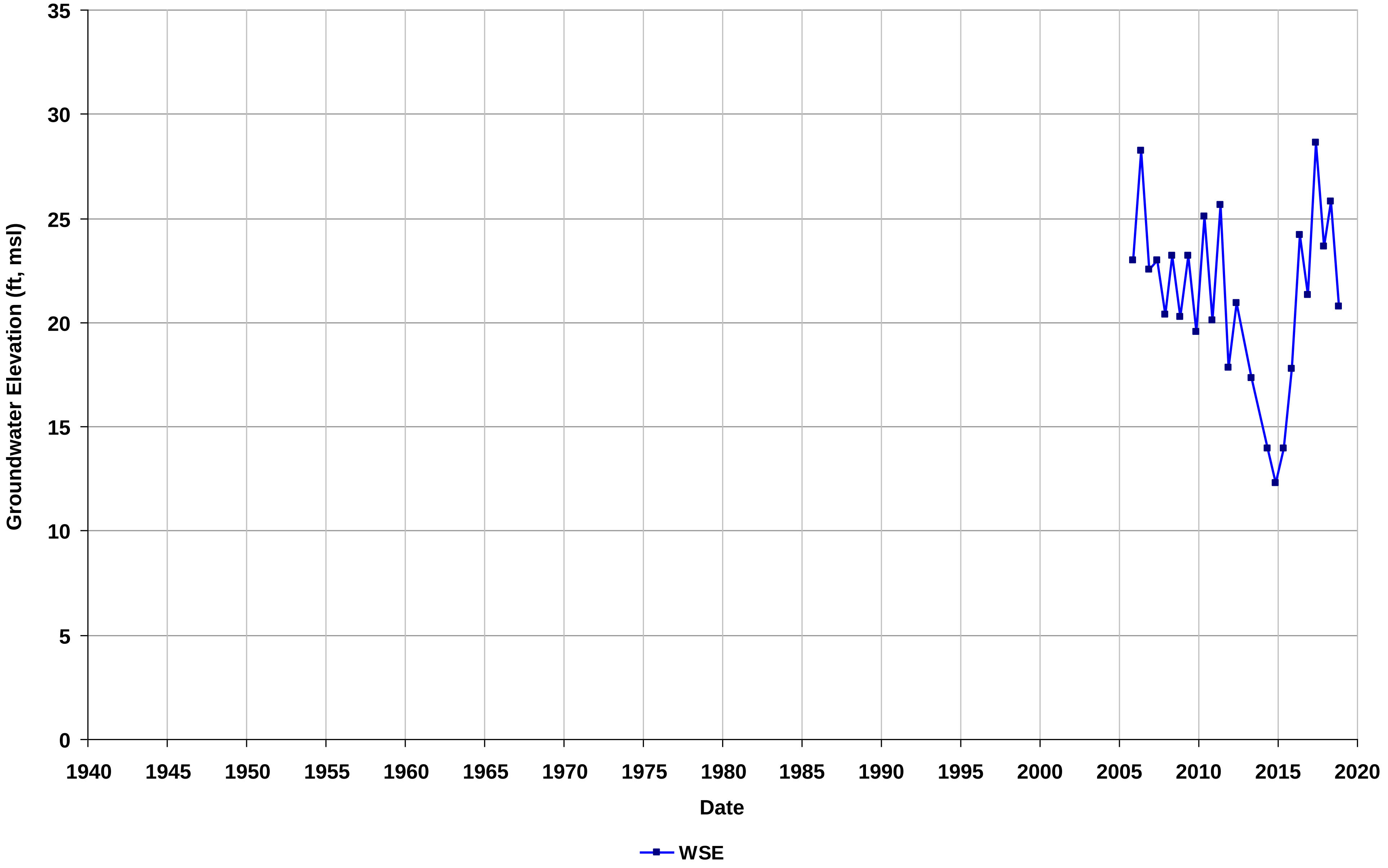
Well Name: SL18290711-OW-12
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 50.4-80
T/R/S: 04S/01W/07
Well Use: Observation



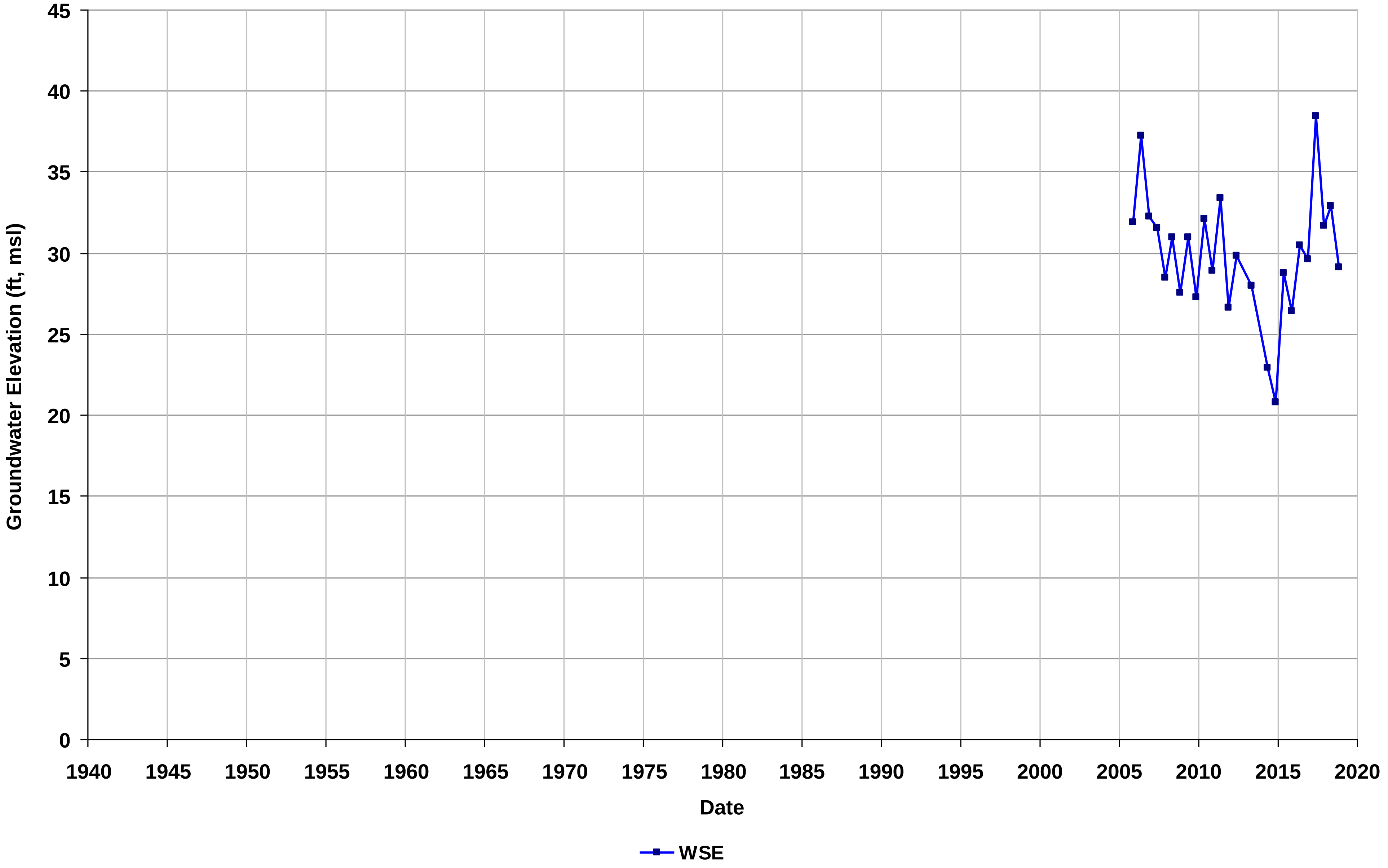
Well Name: SL18290711-OW-16
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 69-74
T/R/S: 04S/01W/07
Well Use: Observation



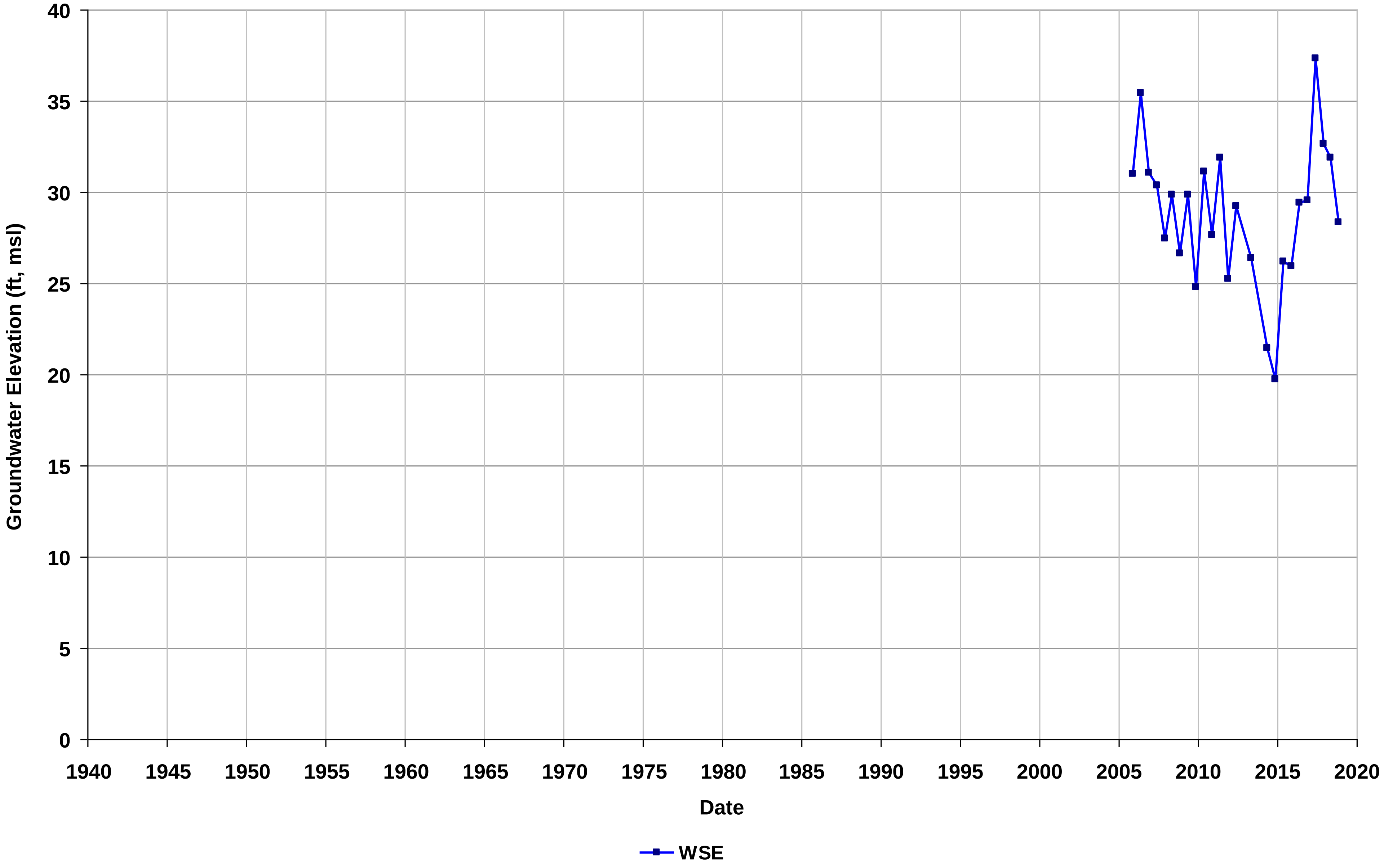
Well Name: SL18290711-OW-18
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 58-73
T/R/S: 04S/01W/07
Well Use: Observation



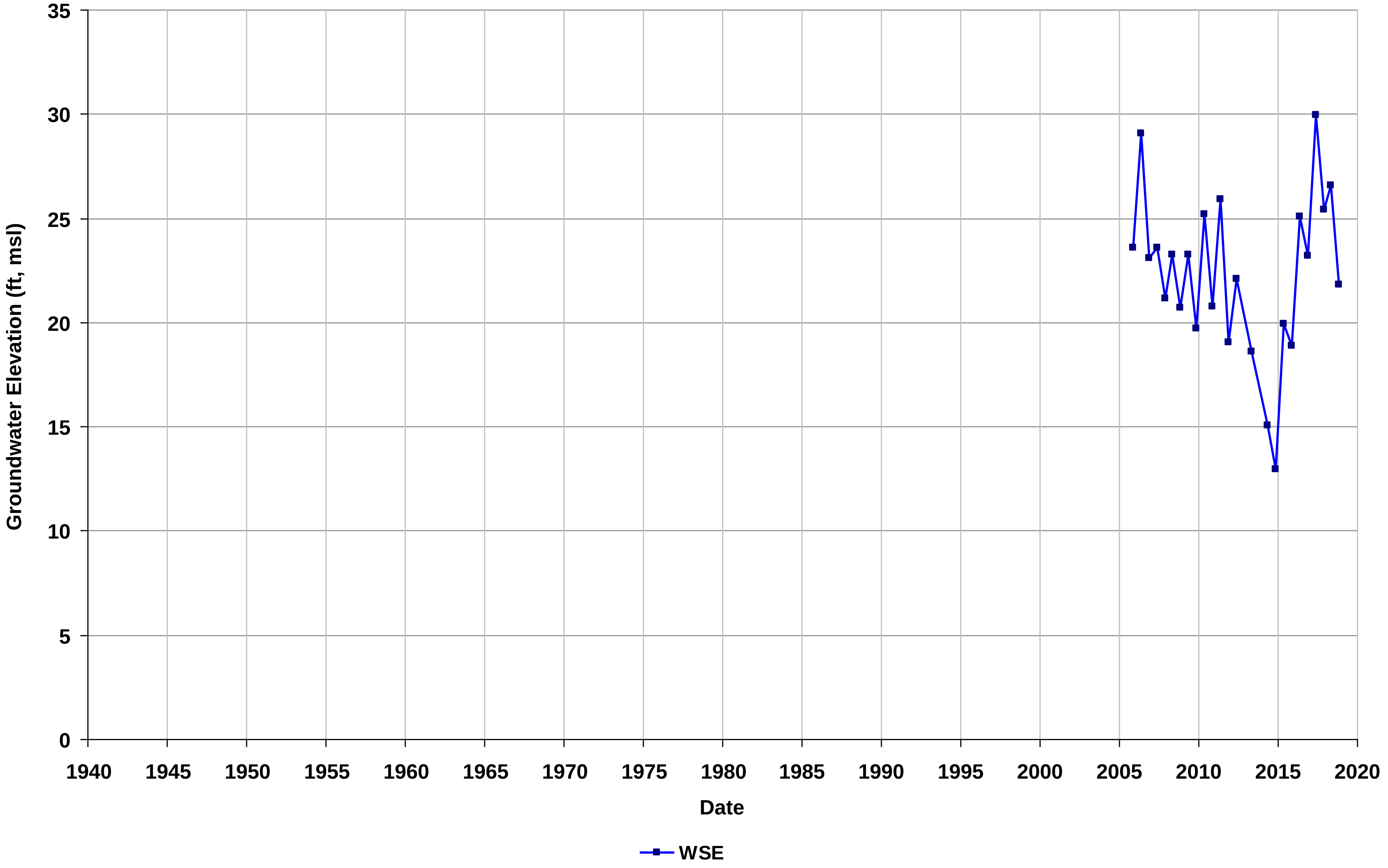
Well Name: SL18290711-OW-19R
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 67.5-82
T/R/S: 04S/01W/07
Well Use: Observation



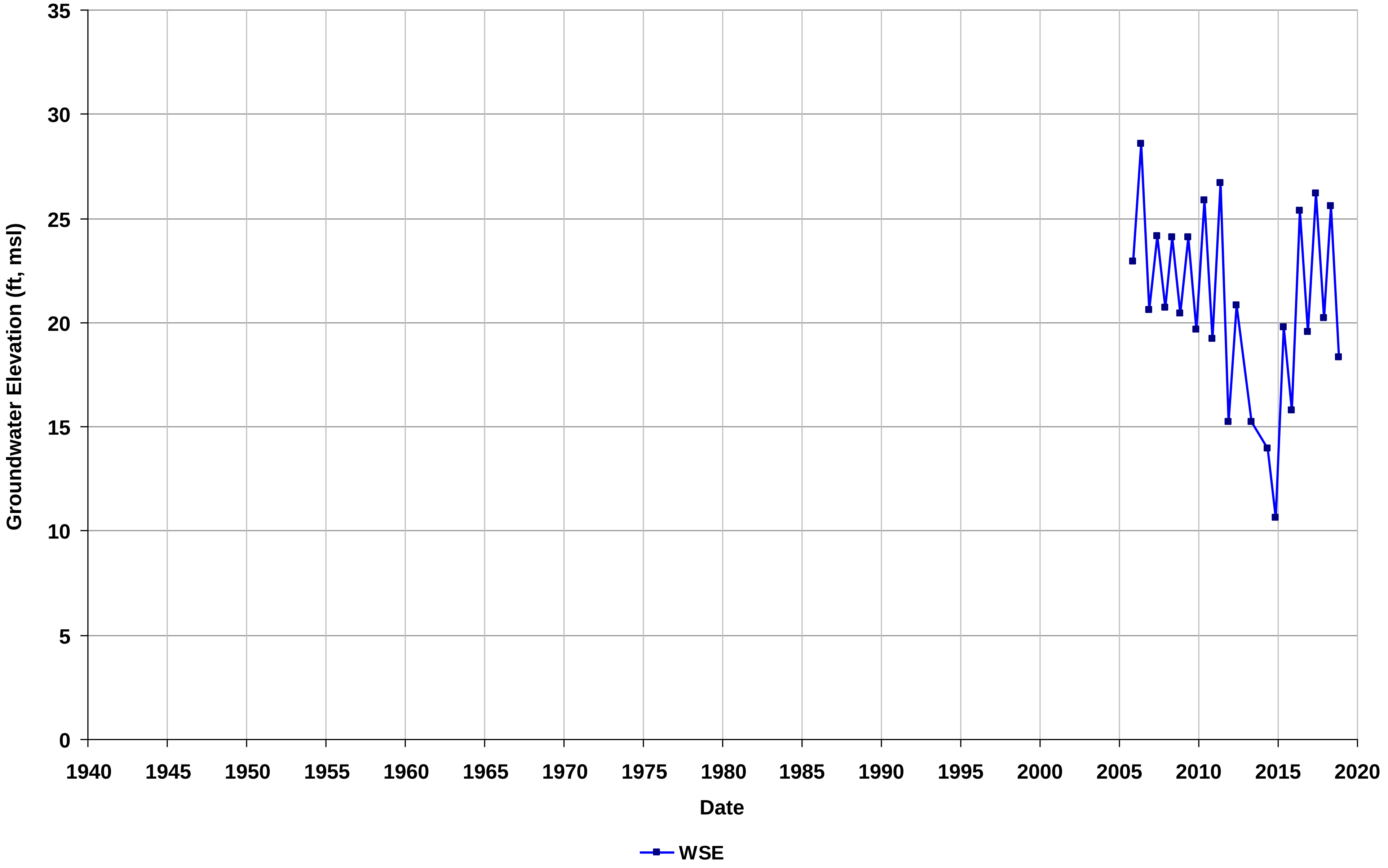
Well Name: SL18290711-OW-21
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 44-54
T/R/S: 04S/01W/07
Well Use: Observation



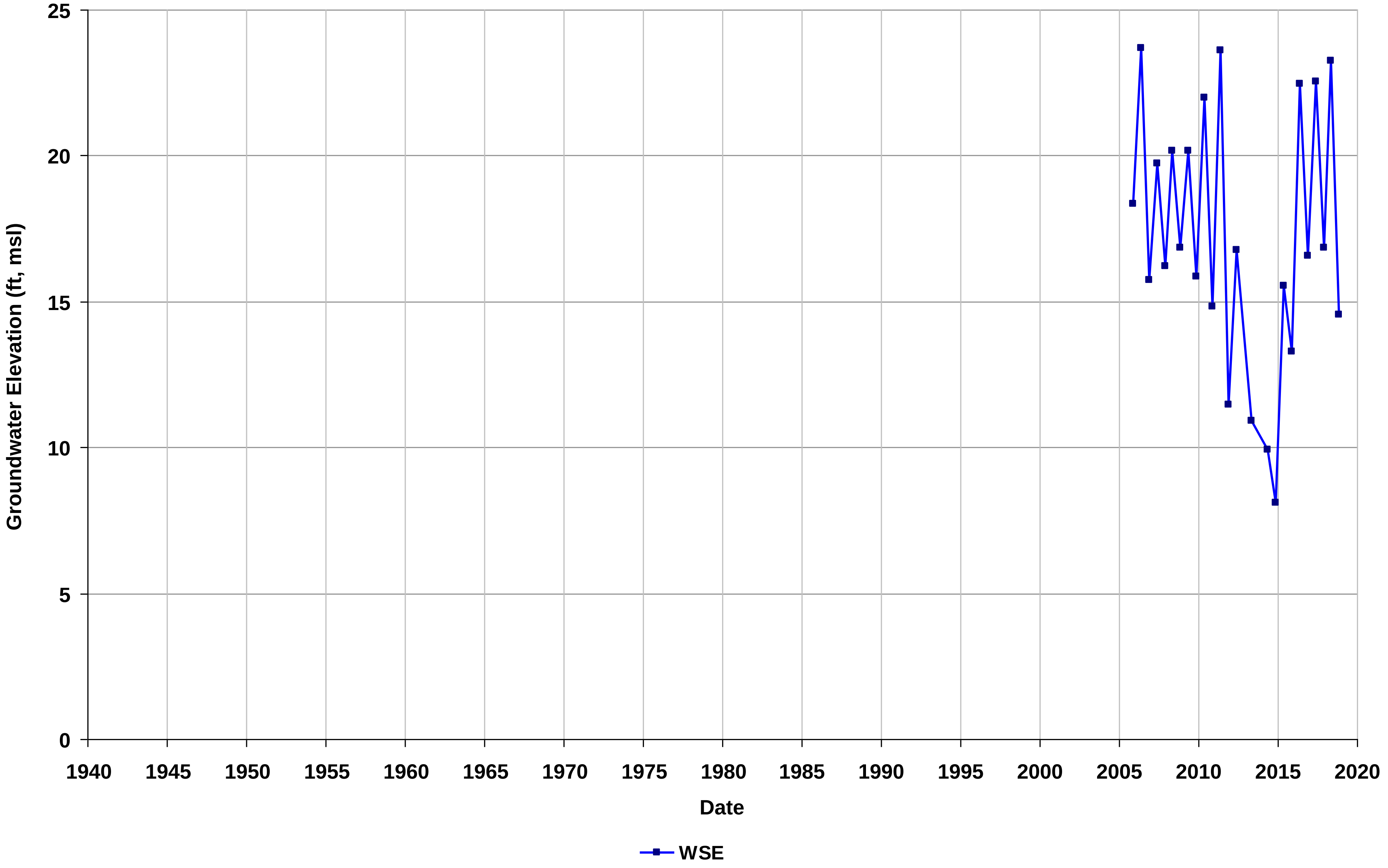
Well Name: SL18290711-OW-22
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 40-60
T/R/S: 04S/01W/07
Well Use: Observation



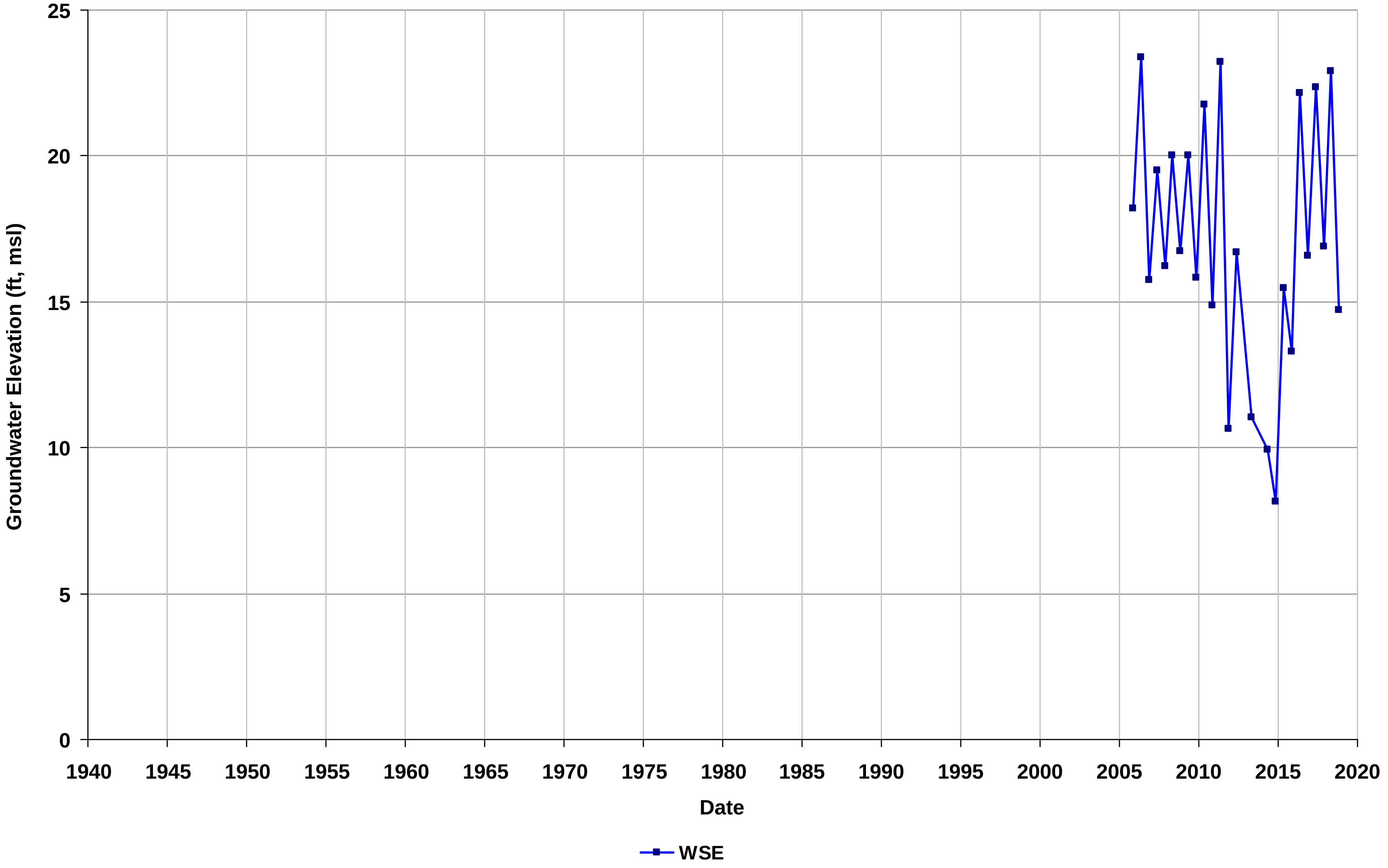
Well Name: SL18290711-OW-24
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 42-52
T/R/S: 04S/01W/18
Well Use: Observation



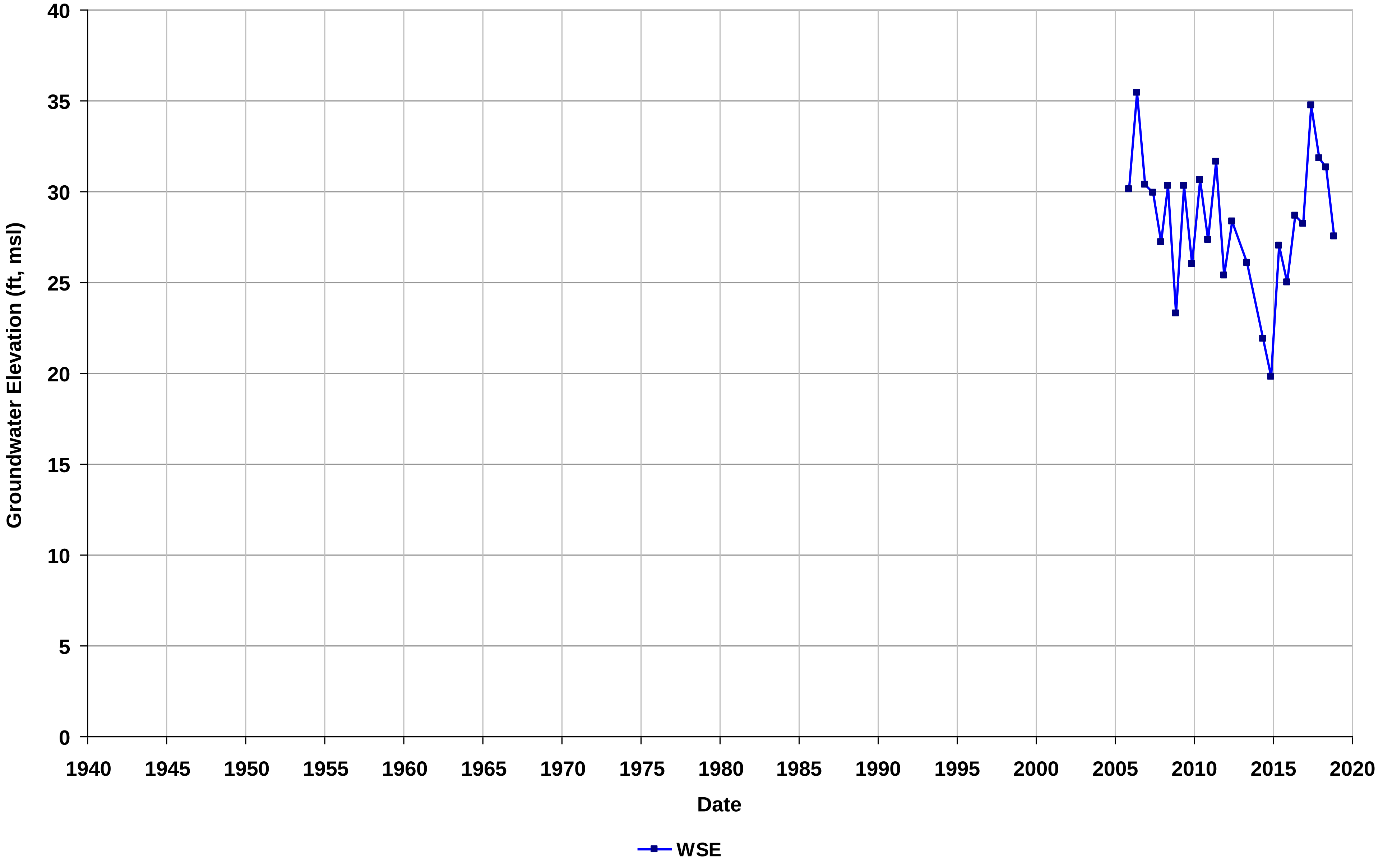
Well Name: SL18290711-OW-28
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 45-55
T/R/S: 04S/01W/18
Well Use: Observation



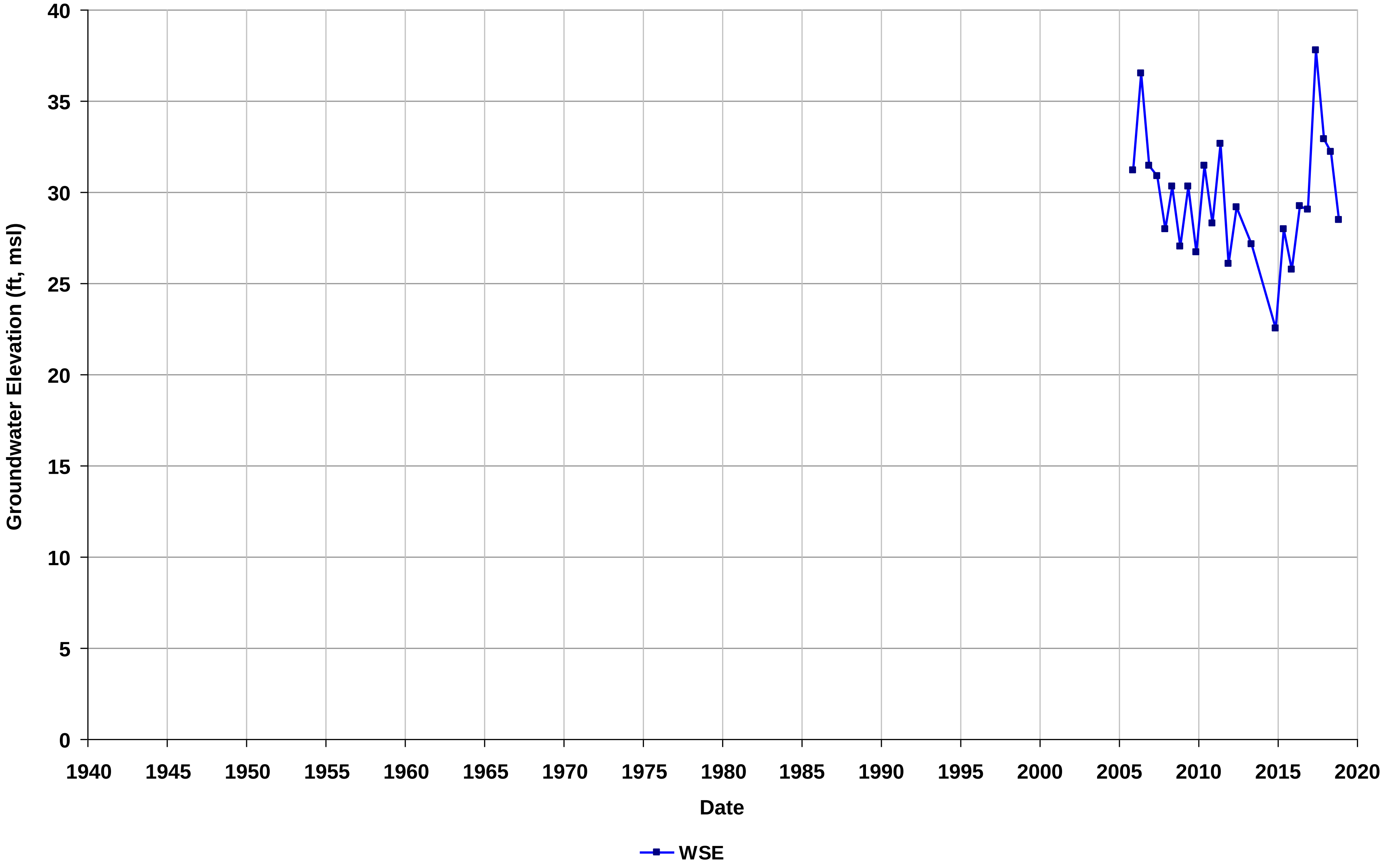
Well Name: SL18290711-OW-3R
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 49-74
T/R/S: 04S/01W/07
Well Use: Observation



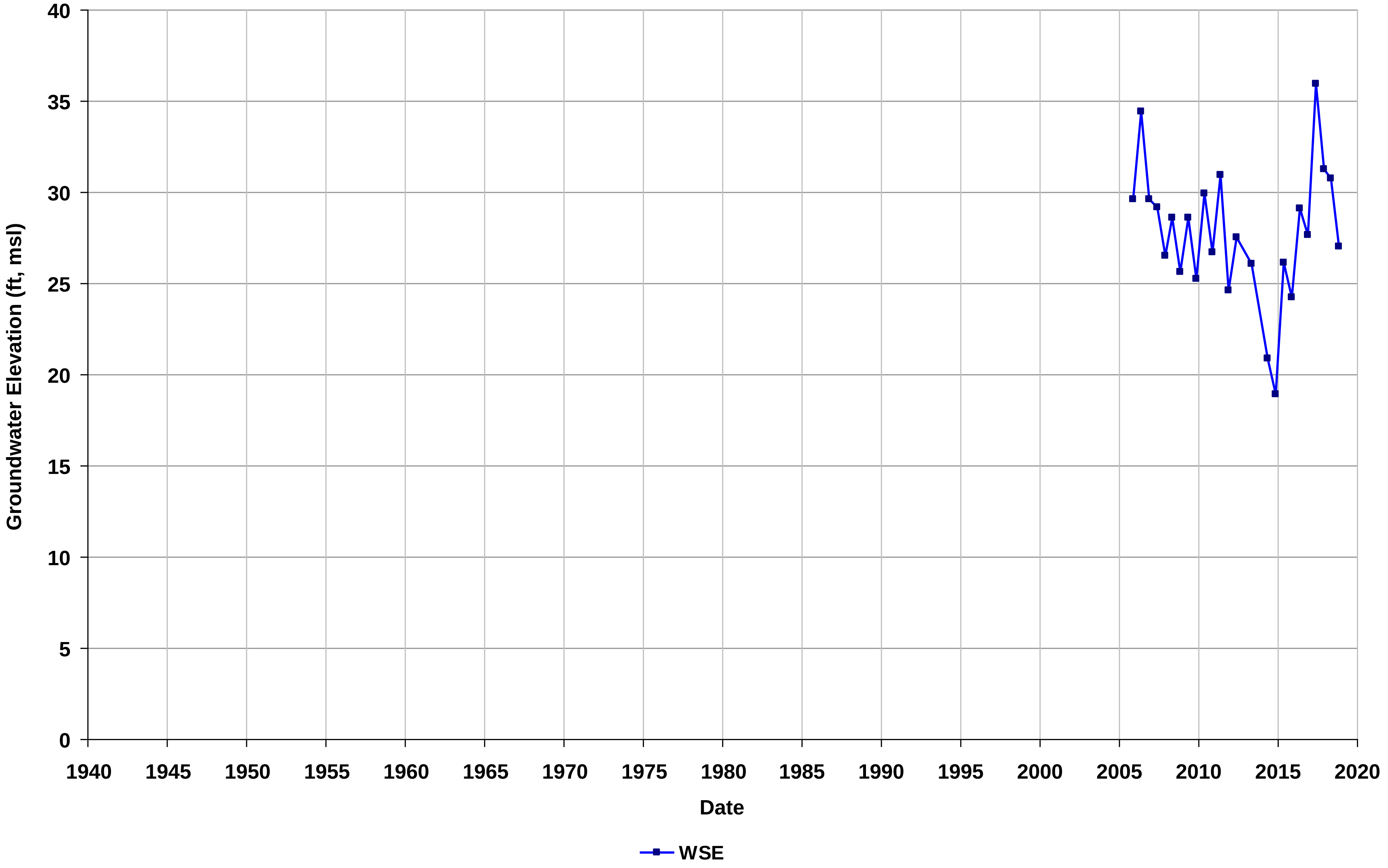
Well Name: SL18290711-OW-7
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 50.5-80
T/R/S: 04S/01W/07
Well Use: Observation



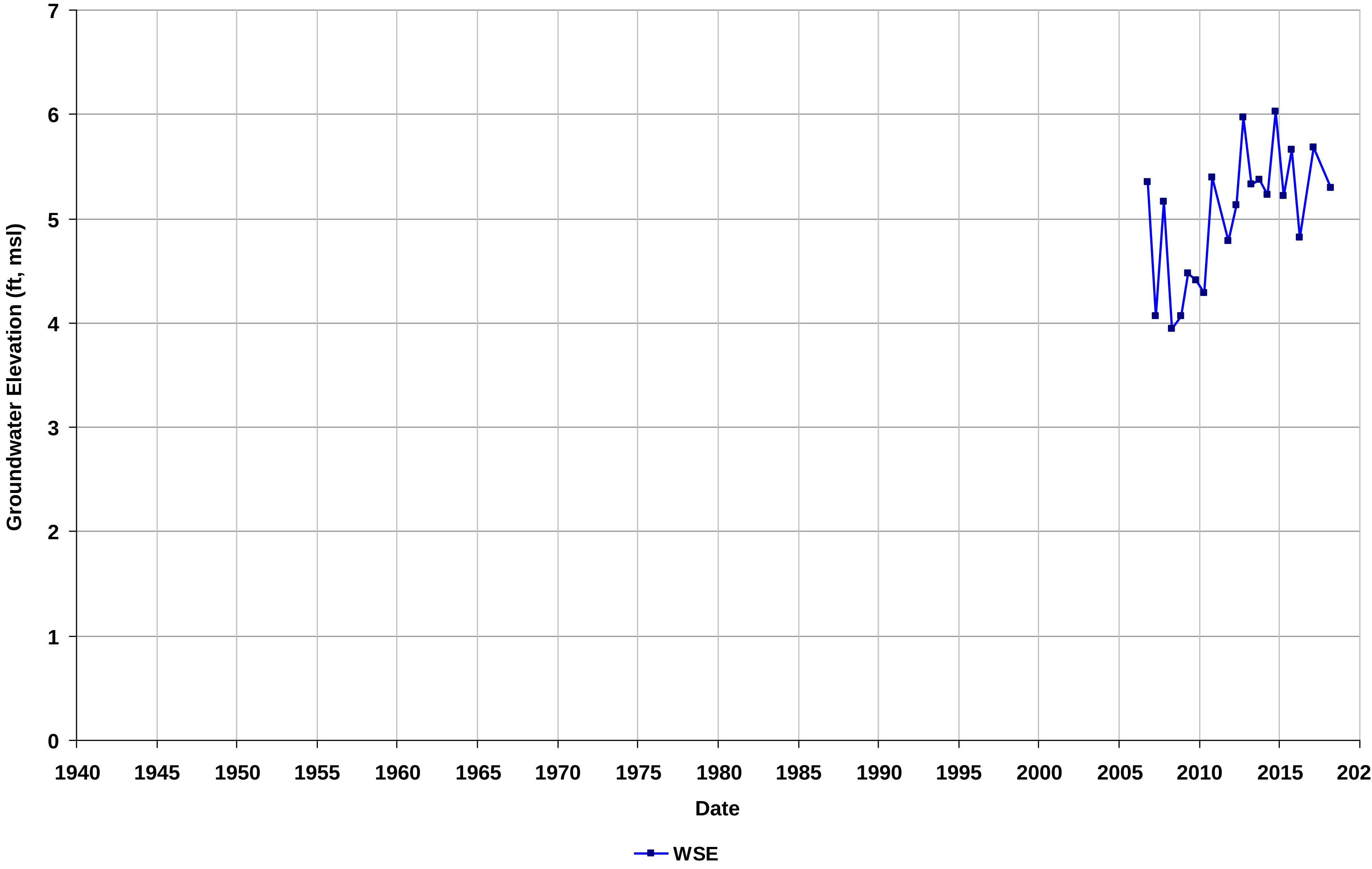
Well Name: SL18290711-OW-9R
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 55-70
T/R/S: 04S/01W/07
Well Use: Observation



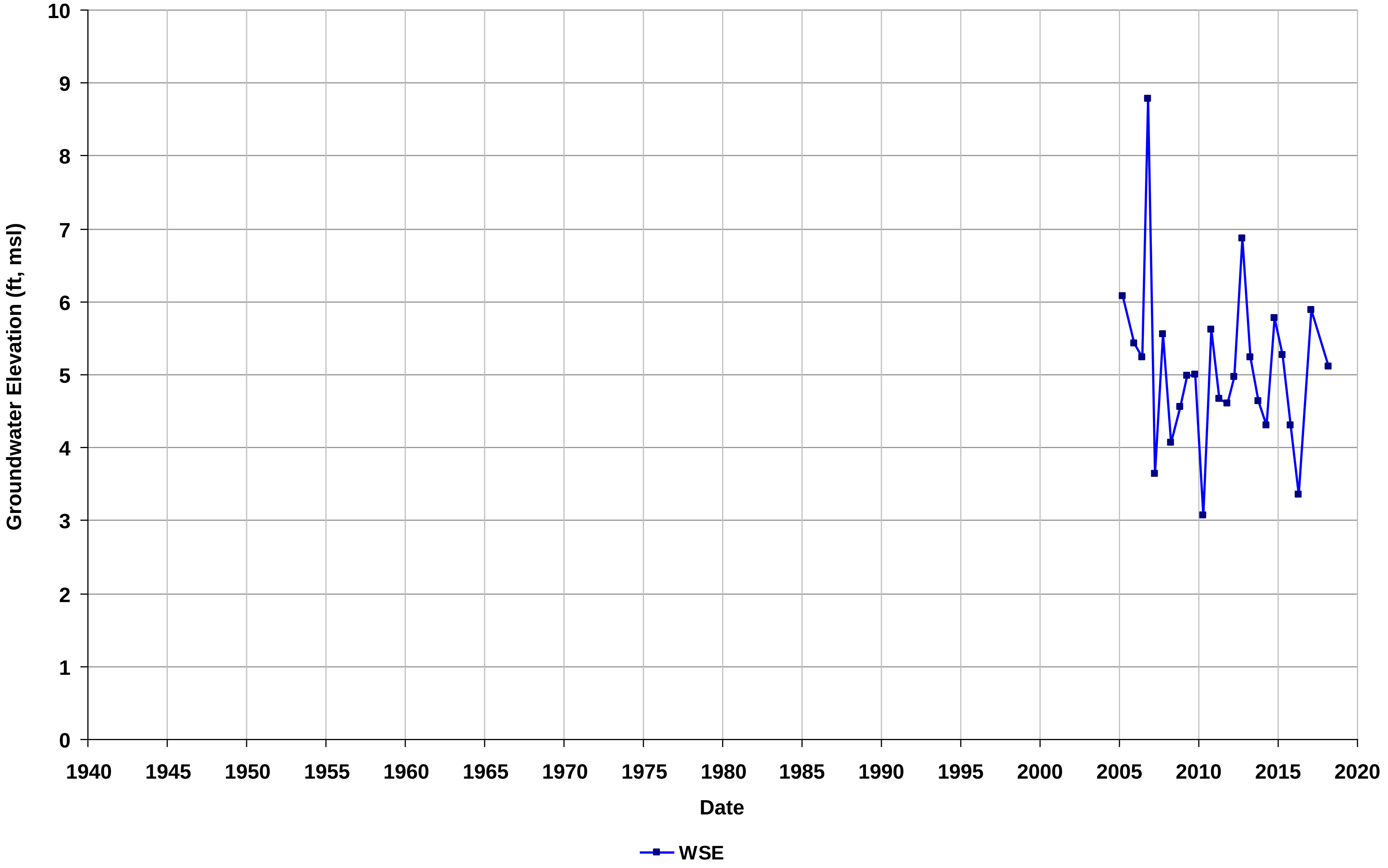
Well Name: SL18332752-MW-2C
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 138-158
T/R/S: 01S/04W/29
Well Use: Observation



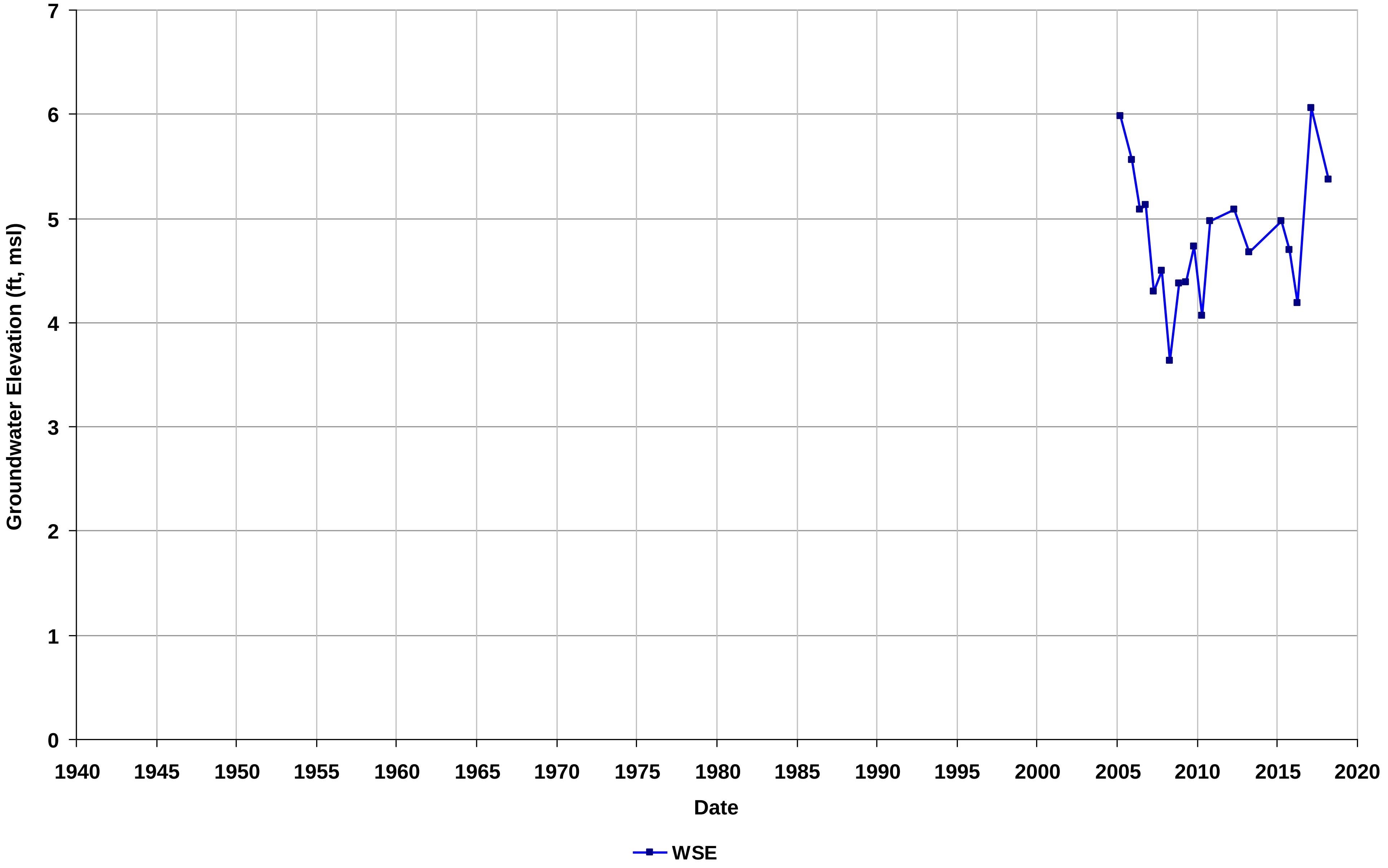
Well Name: SL18332752-MW-37C
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 60-65
T/R/S: 01S/04W/29
Well Use: Observation



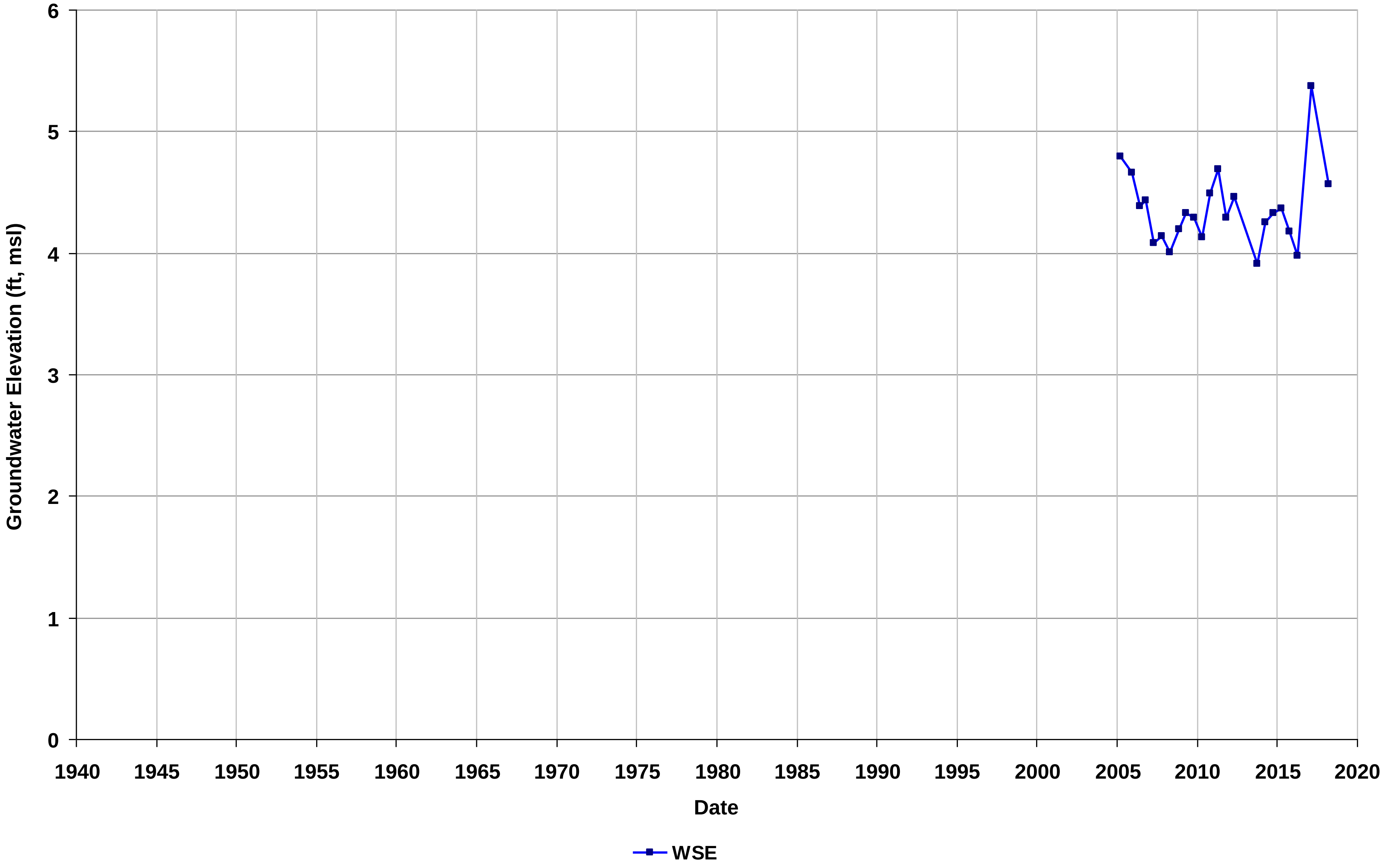
Well Name: SL18332752-MW-42C
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 60-65
T/R/S: 01S/04W/29
Well Use: Observation



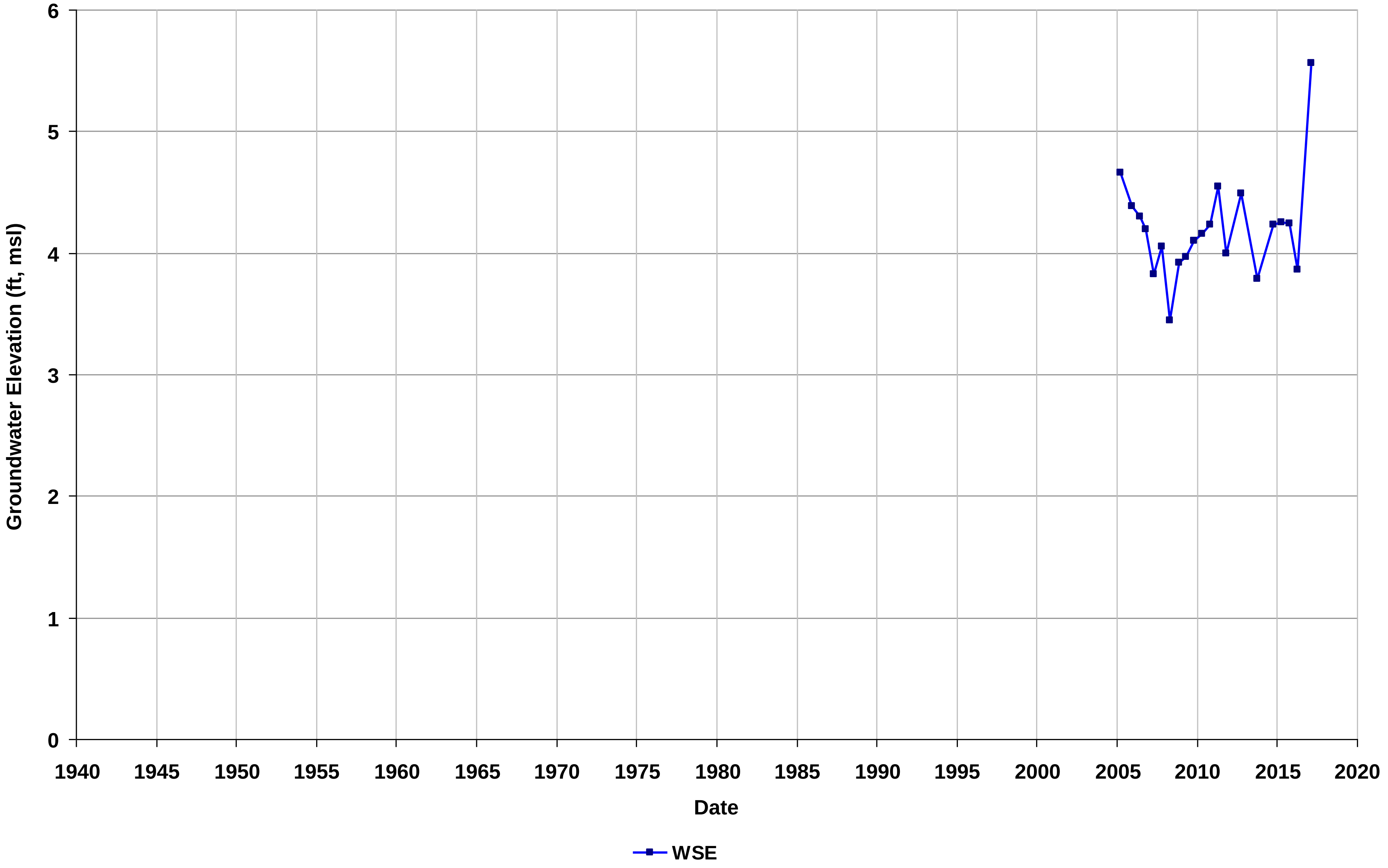
Well Name: SL18332752-MW-46C
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 60-65
T/R/S: 01S/04W/29
Well Use: Observation



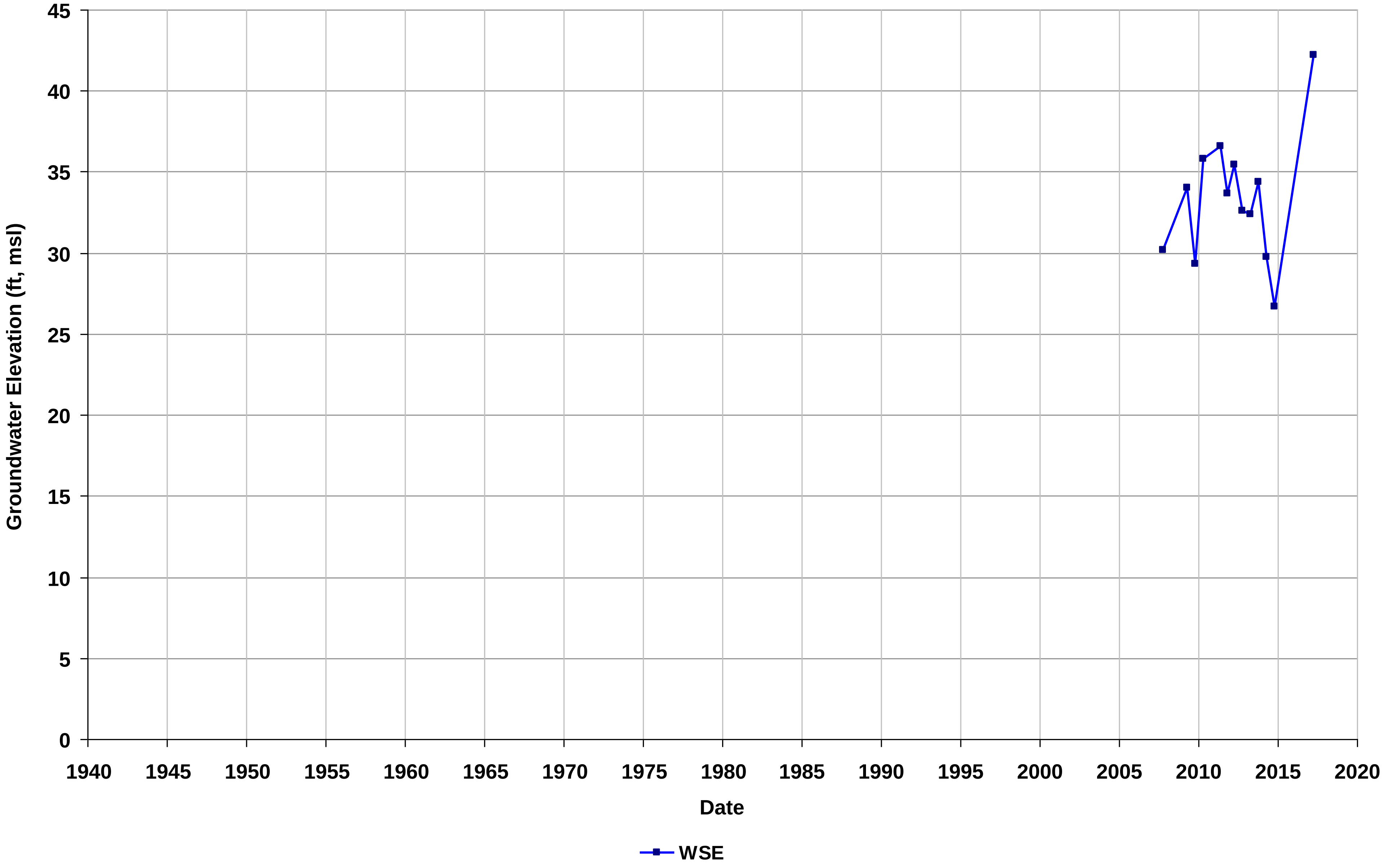
Well Name: SL18332752-MW-48C
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 60-65
T/R/S: 01S/04W/29
Well Use: Observation



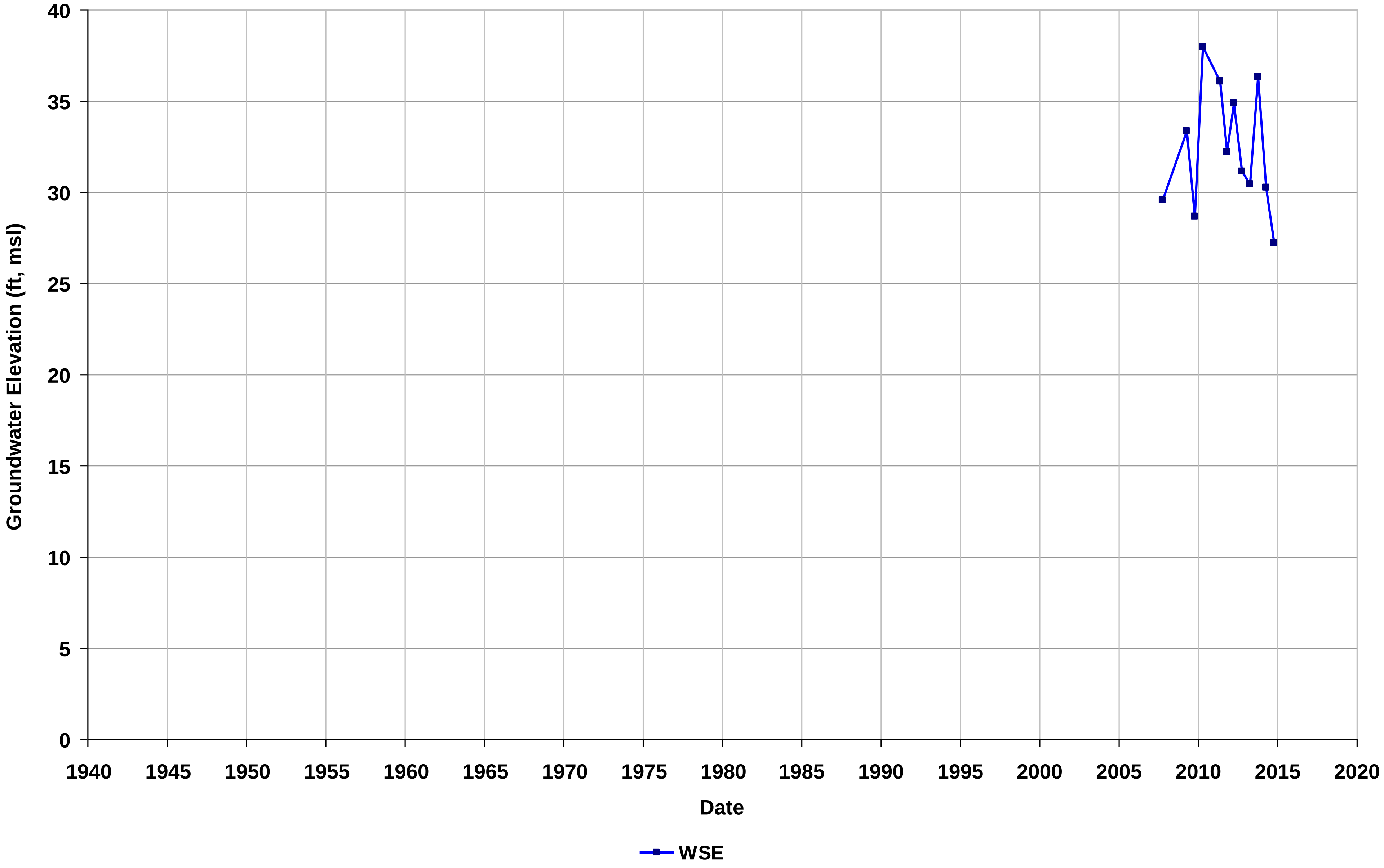
Well Name: SL18344764-FHS MW-10
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 52
Perf. Interval (ft bgs):
T/R/S: 02S/03W/23
Well Use: Observation



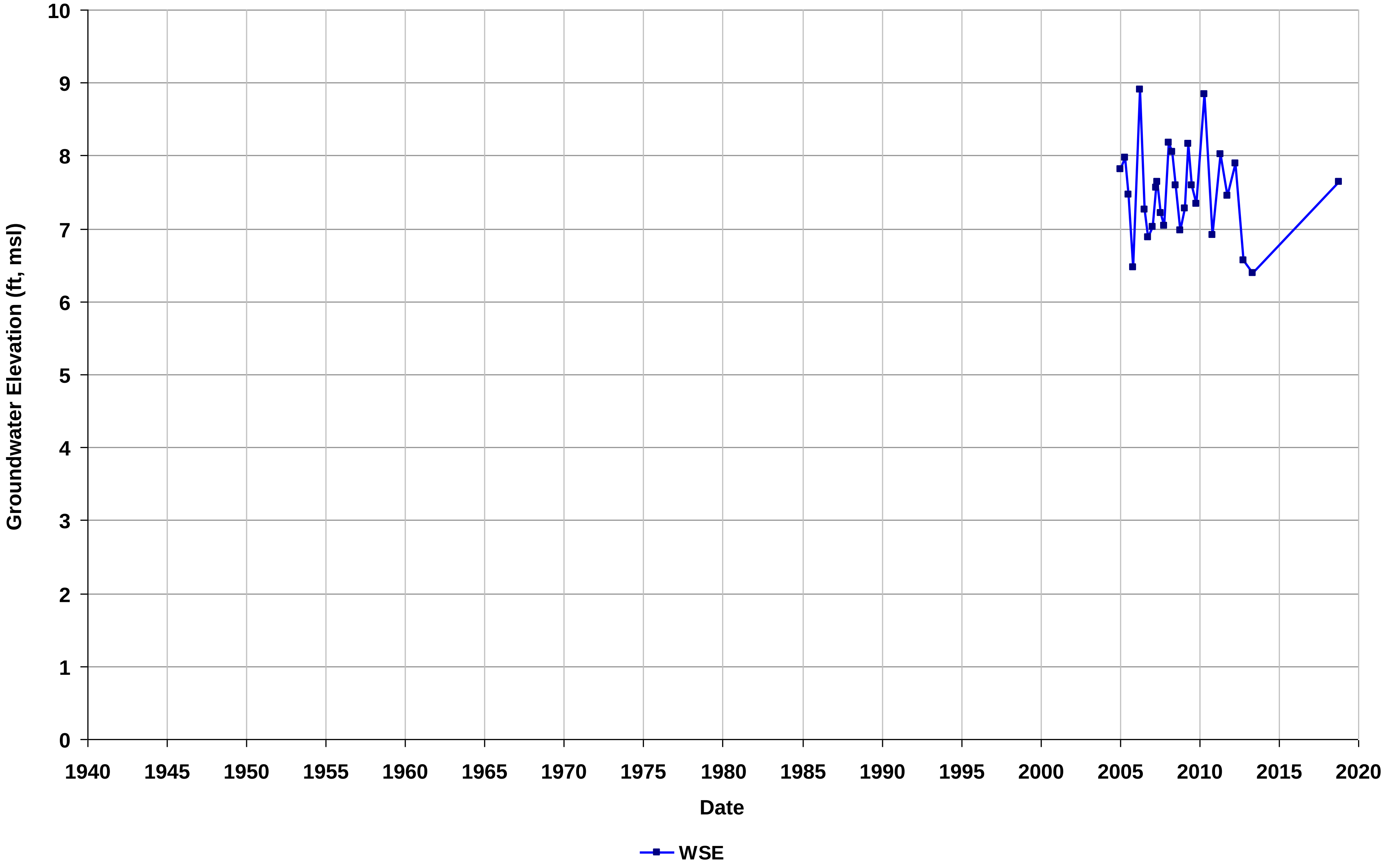
Well Name: SL18344764-FHS MW-11
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 64
Perf. Interval (ft bgs):
T/R/S: 02S/03W/23
Well Use: Observation



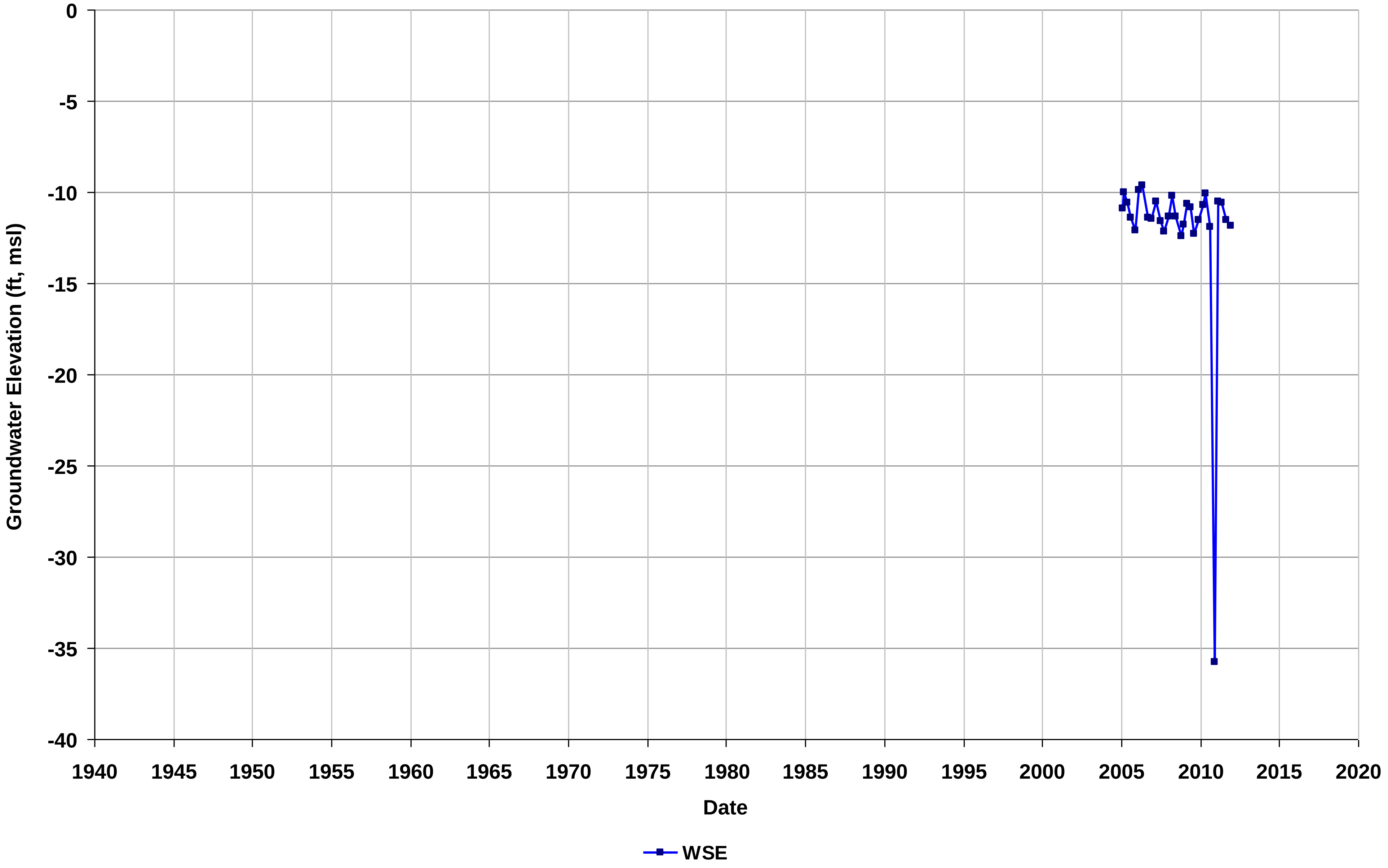
Well Name: SL20225843-D-2
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 61
Perf. Interval (ft bgs): 51-61
T/R/S: n/a
Well Use: Observation



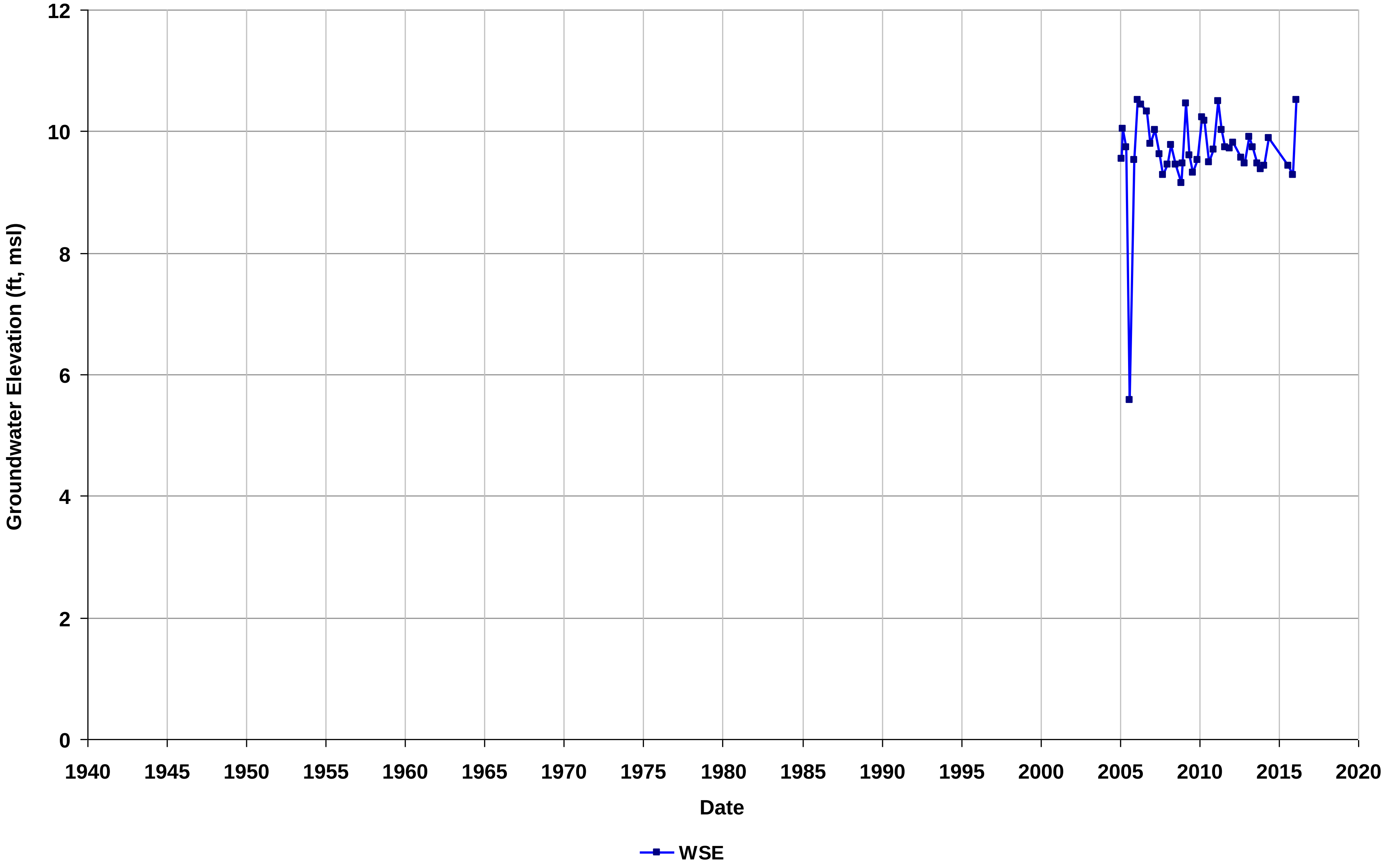
Well Name: SL20260878-MW-13B
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 50
Perf. Interval (ft bgs):
T/R/S: 02S/03W/34
Well Use: Observation



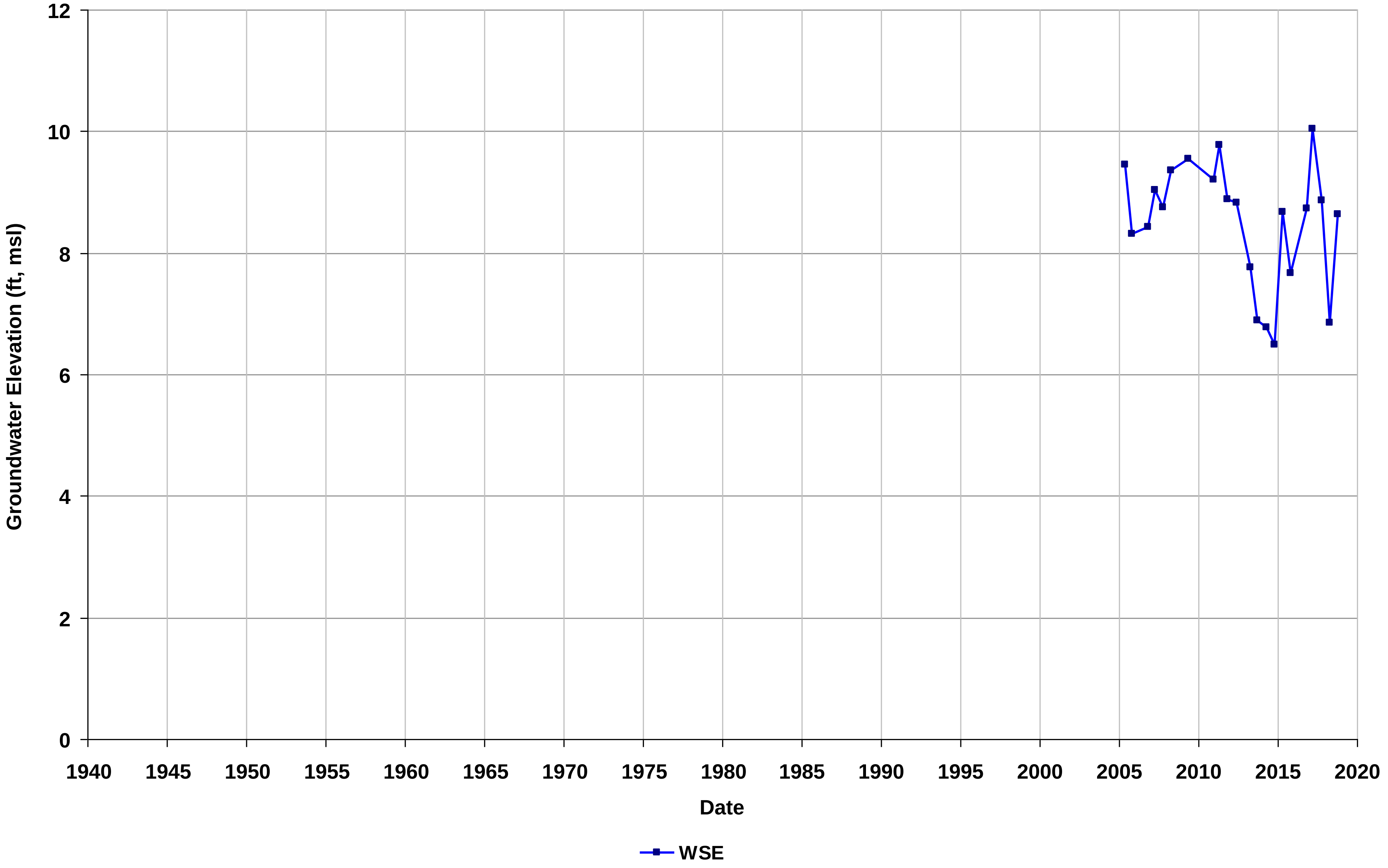
Well Name: SL20260878-MW-17B
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 16
Perf. Interval (ft bgs): 54.93-65
T/R/S: 02S/03W/34
Well Use: Observation



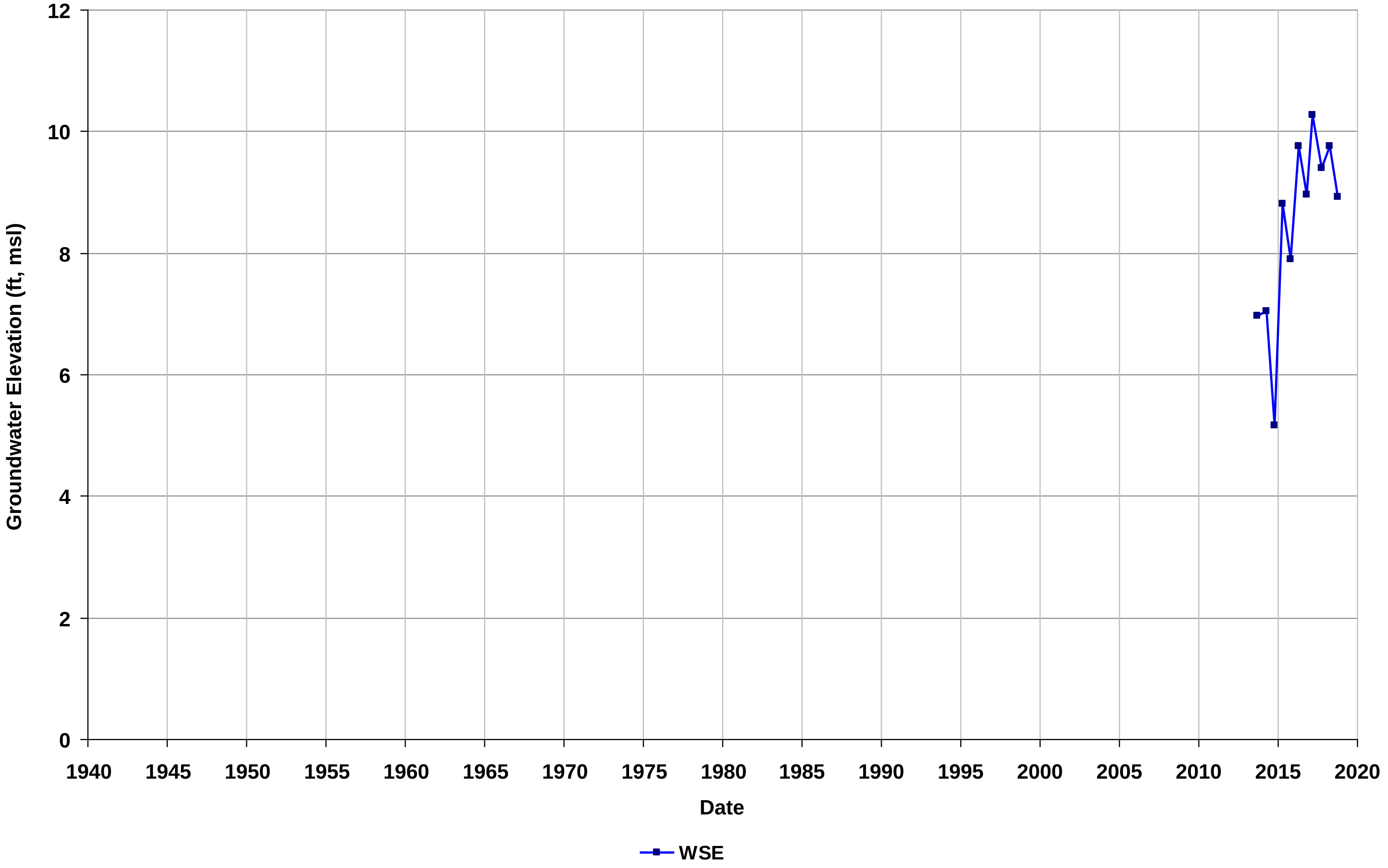
Well Name: SL20268886-E-126
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 100
Perf. Interval (ft bgs): 55-85
T/R/S: n/a
Well Use: Observation



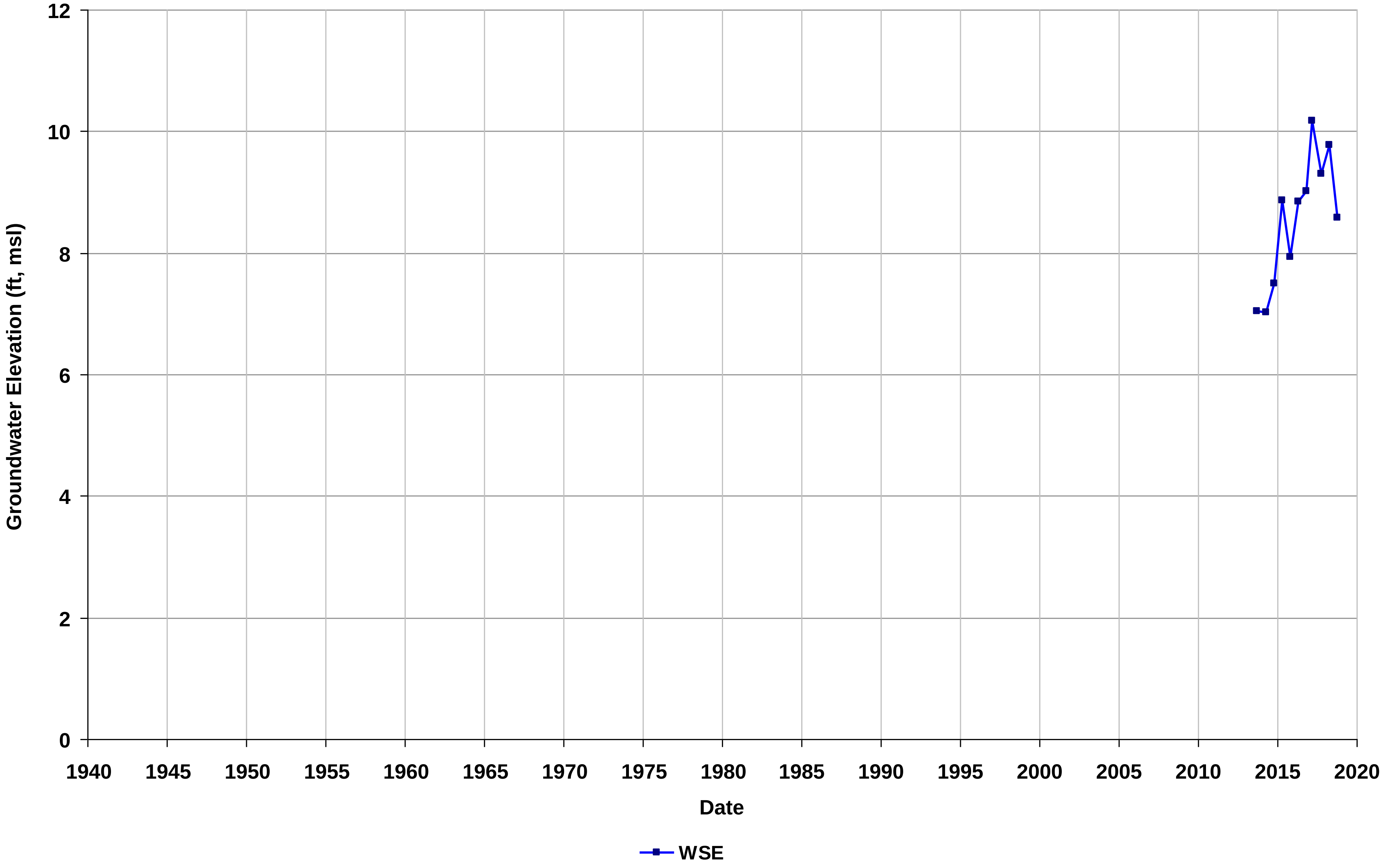
Well Name: SL20268886-MW NEW-11
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 68-83
T/R/S: n/a
Well Use: Observation



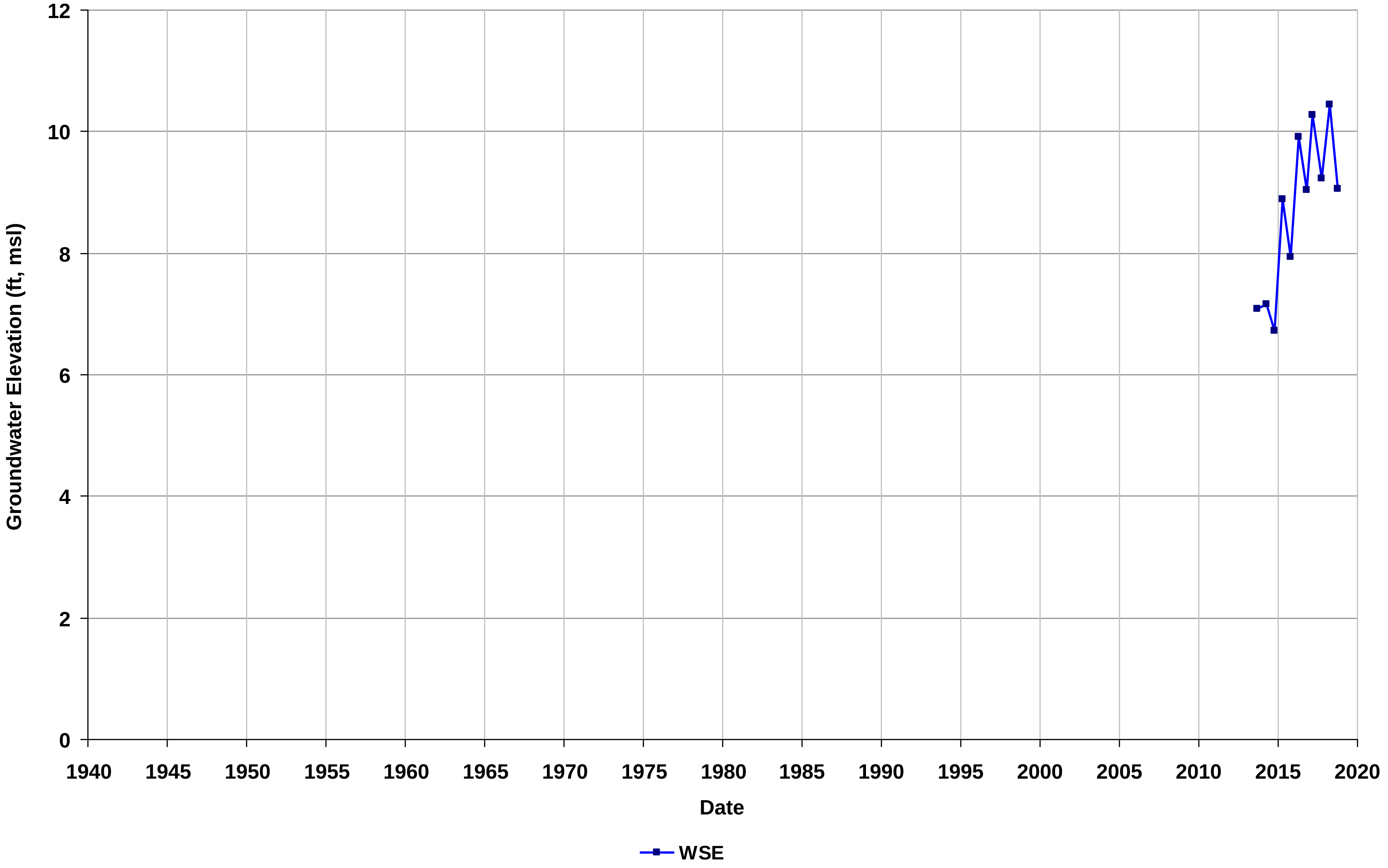
Well Name: SL20268886-MW NEW-12
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 62-72
T/R/S: n/a
Well Use: Observation



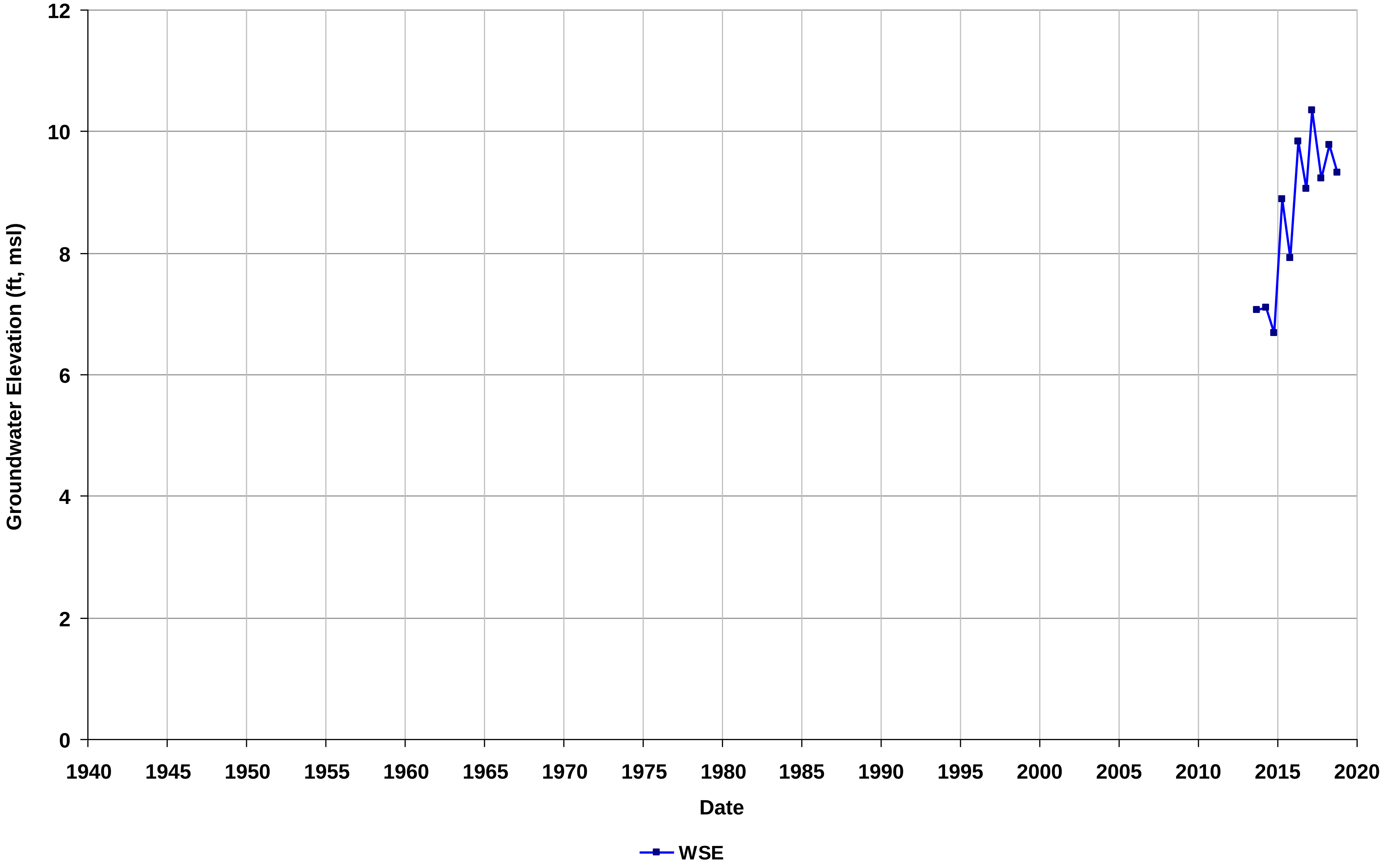
Well Name: SL20268886-MW NEW-13
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 85-95
T/R/S: n/a
Well Use: Observation



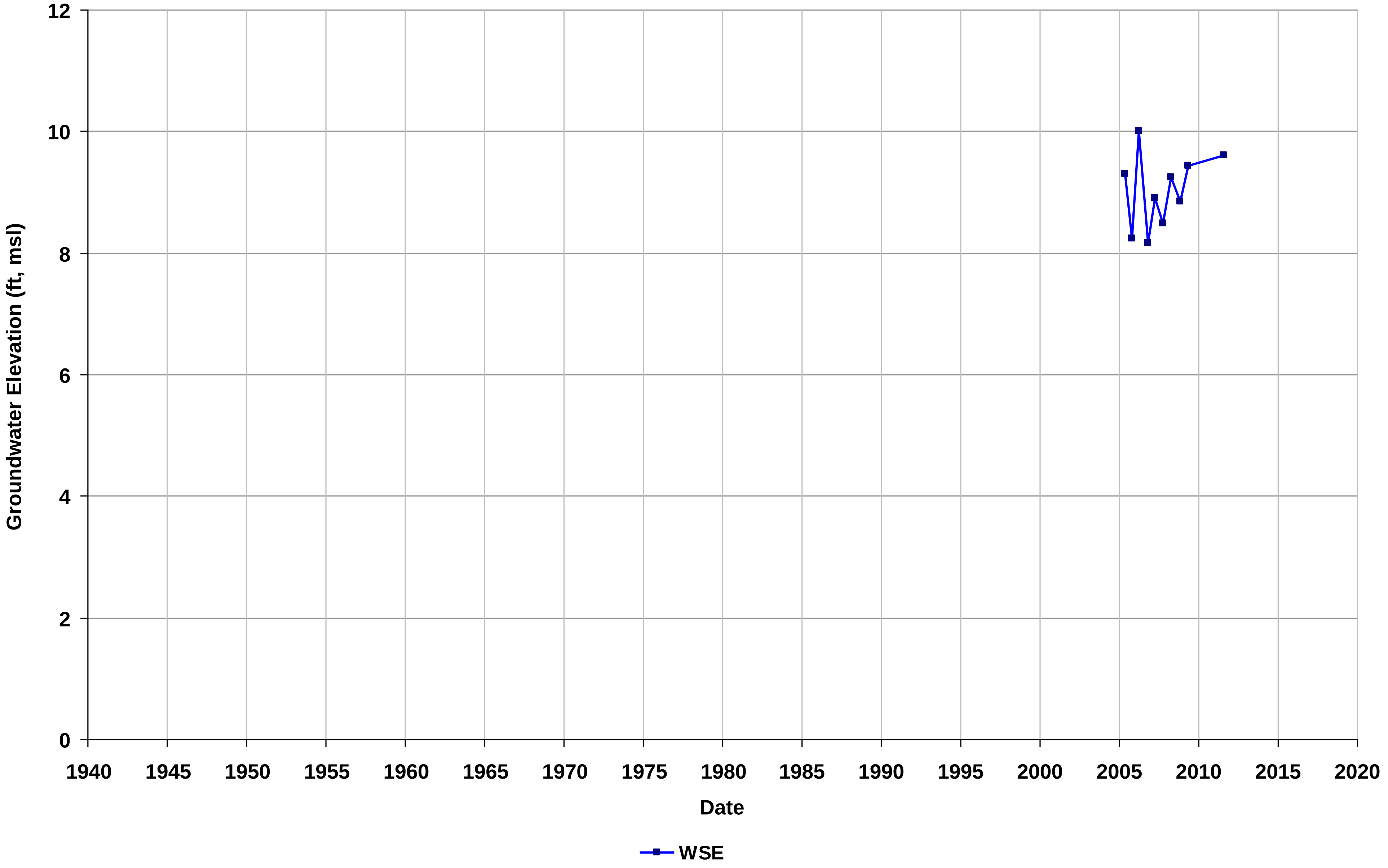
Well Name: SL20268886-MW NEW-14
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 60-70
T/R/S: n/a
Well Use: Observation



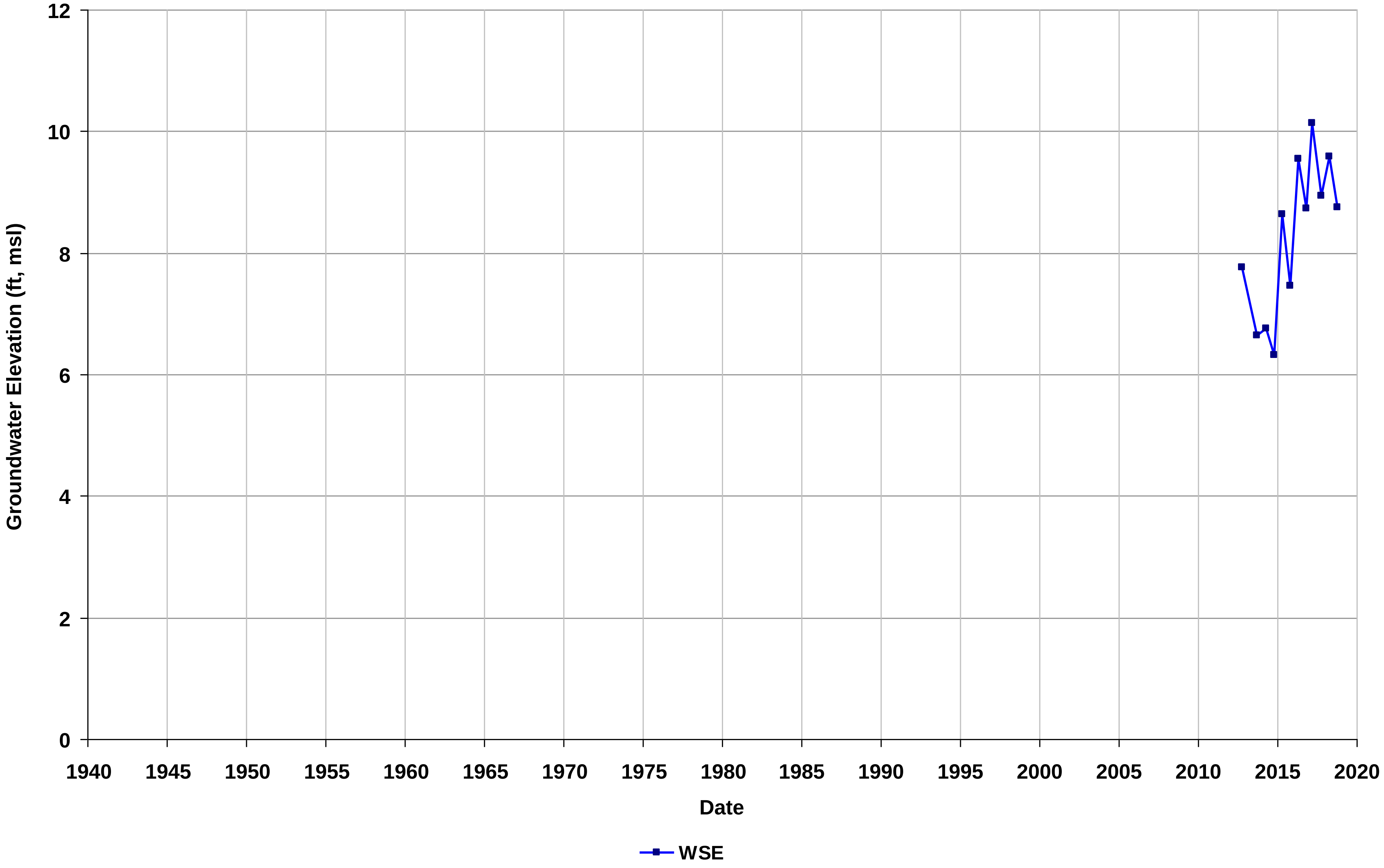
Well Name: SL20268886-MW-NEW1
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 49-59
T/R/S: n/a
Well Use: Observation



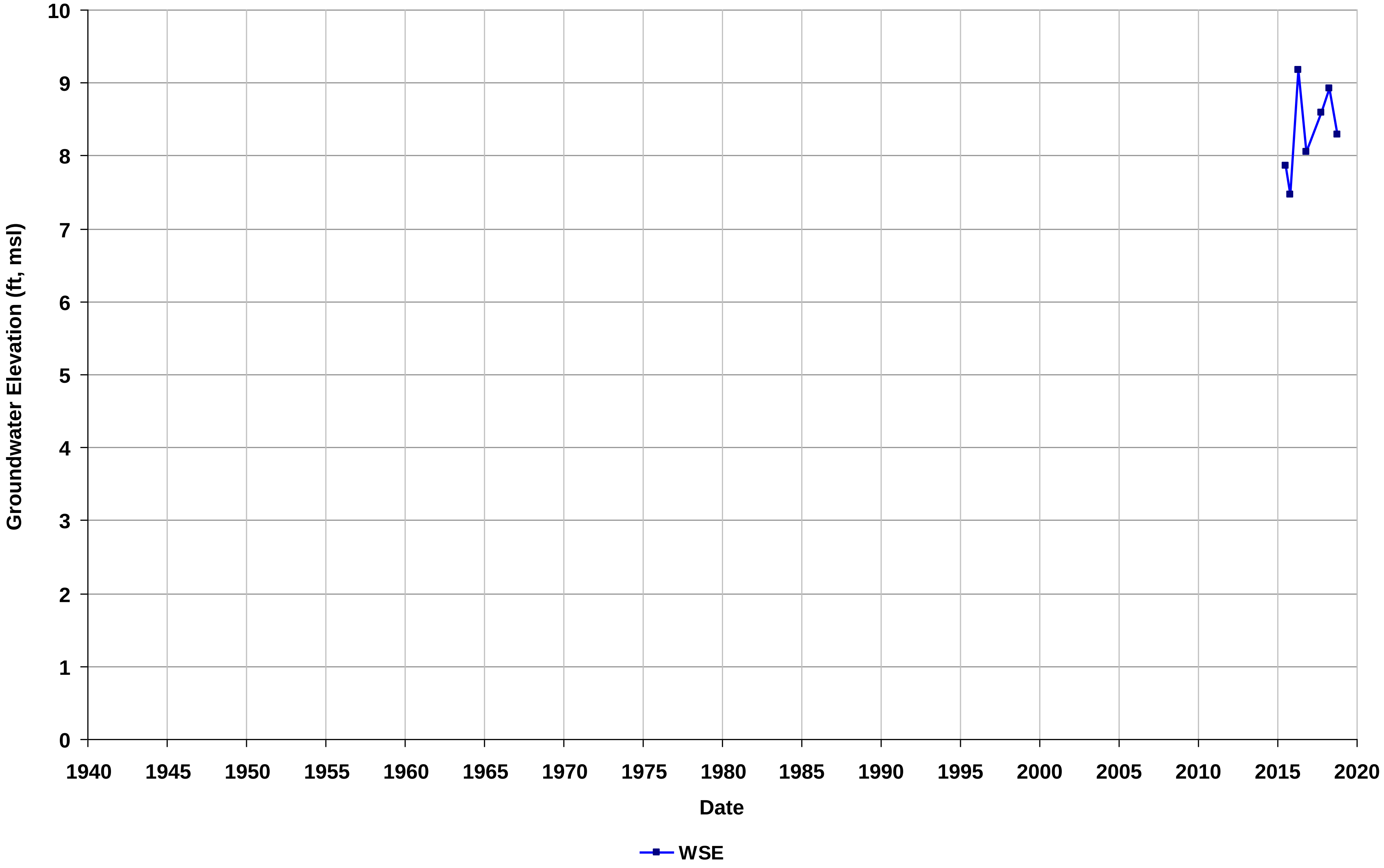
Well Name: SL20268886-MW-NEW10
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 85
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



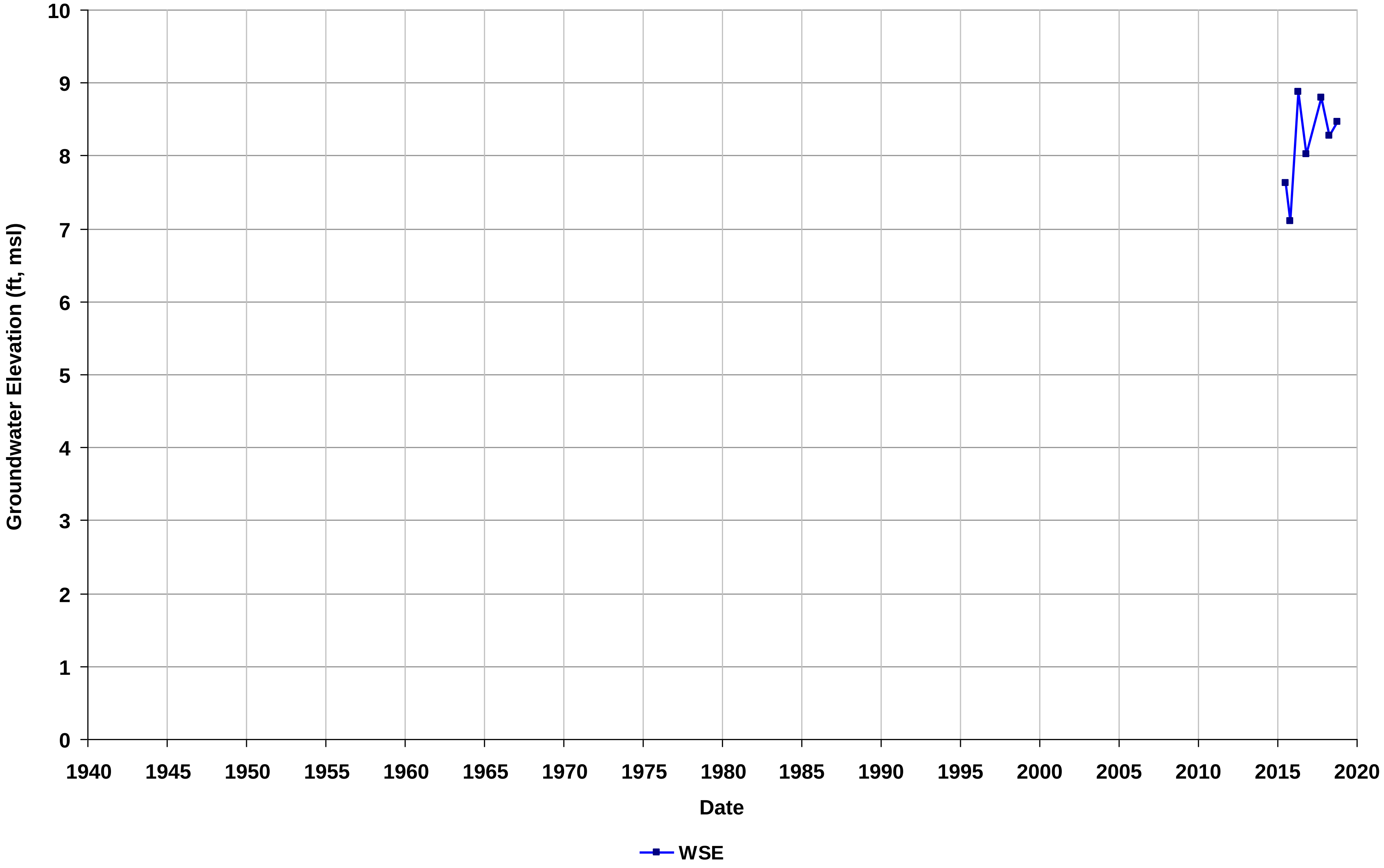
Well Name: SL20268886-MW-NEW15
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 60
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



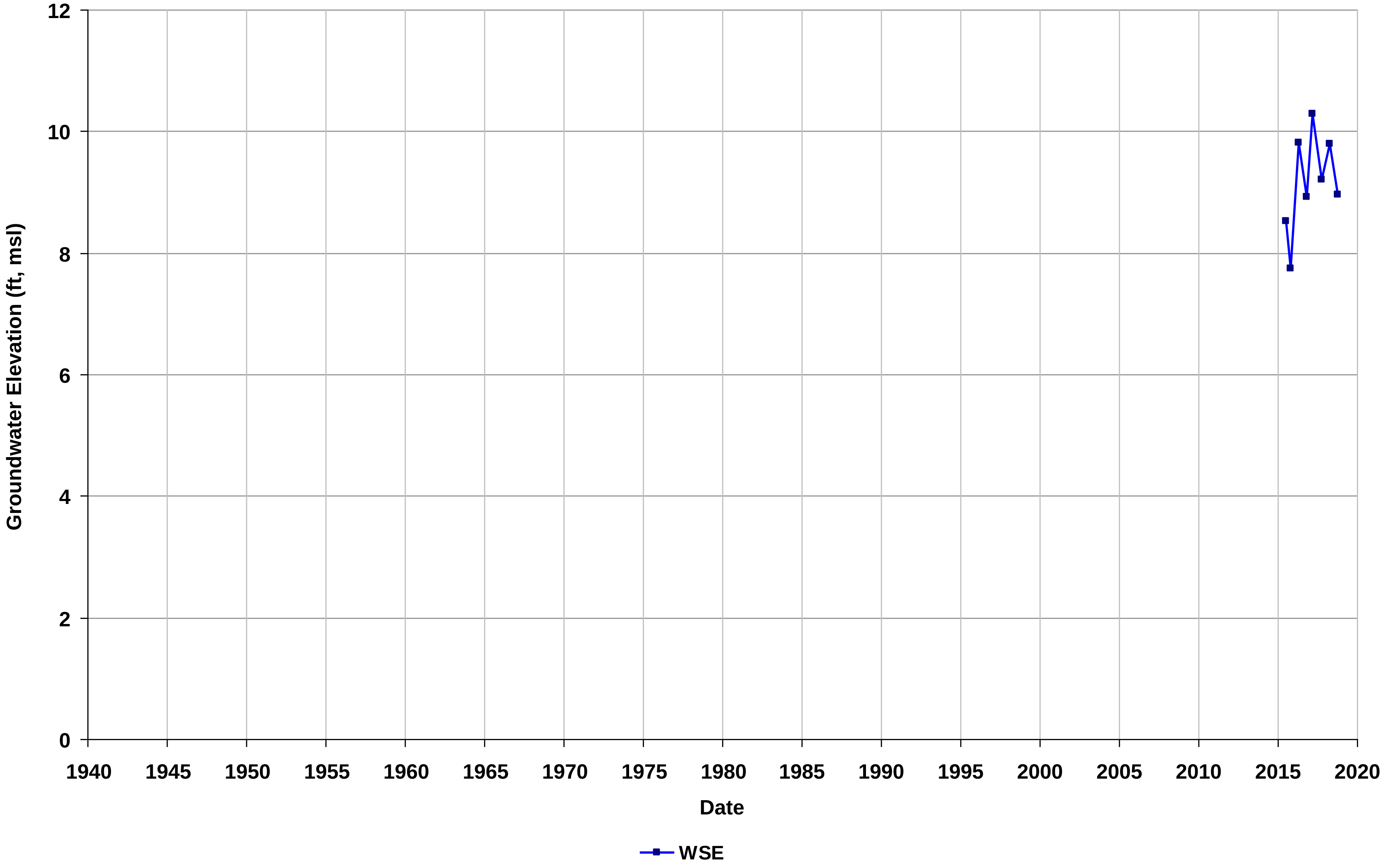
Well Name: SL20268886-MW-NEW16
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 51
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



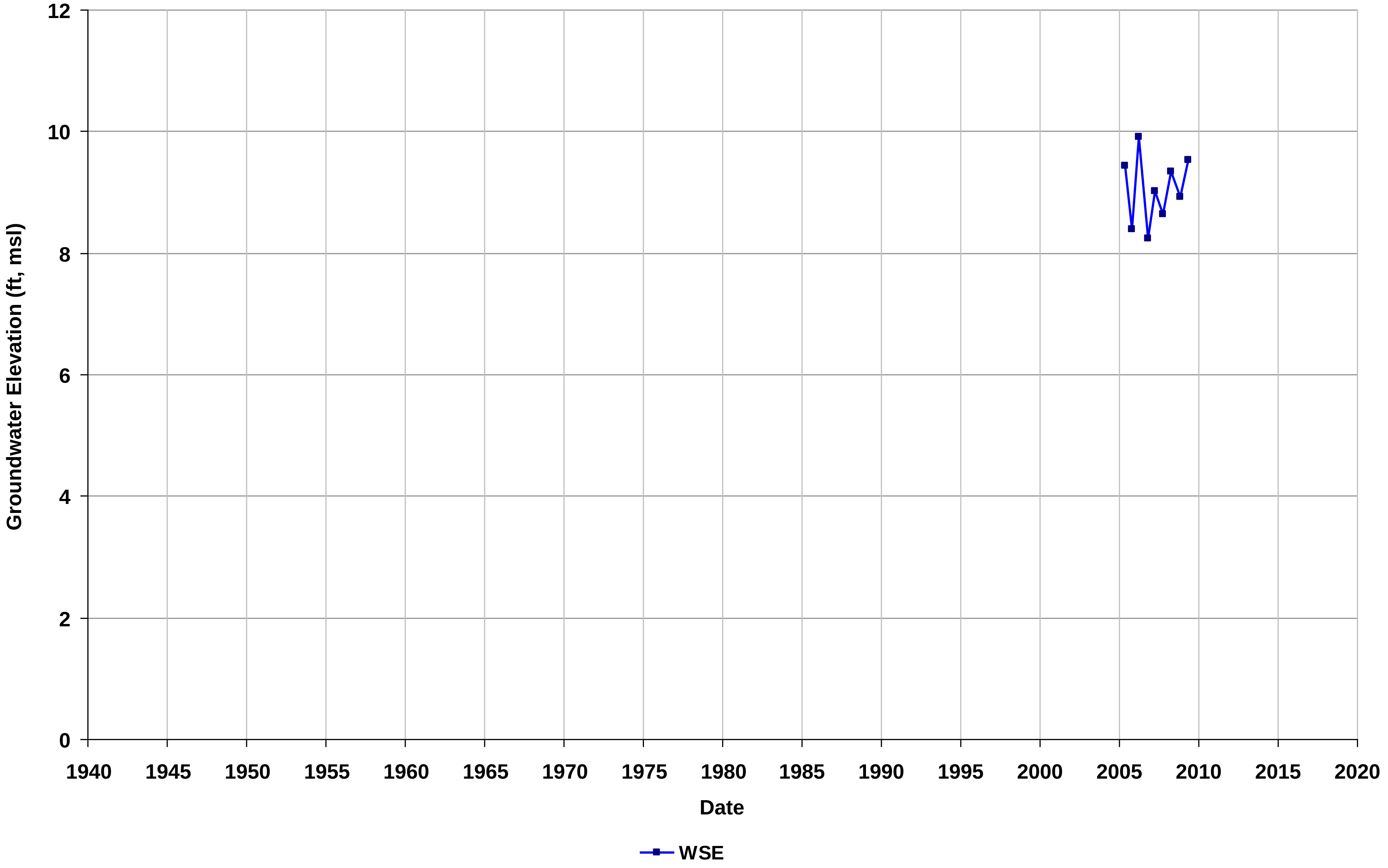
Well Name: SL20268886-MW-NEW19
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 52
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



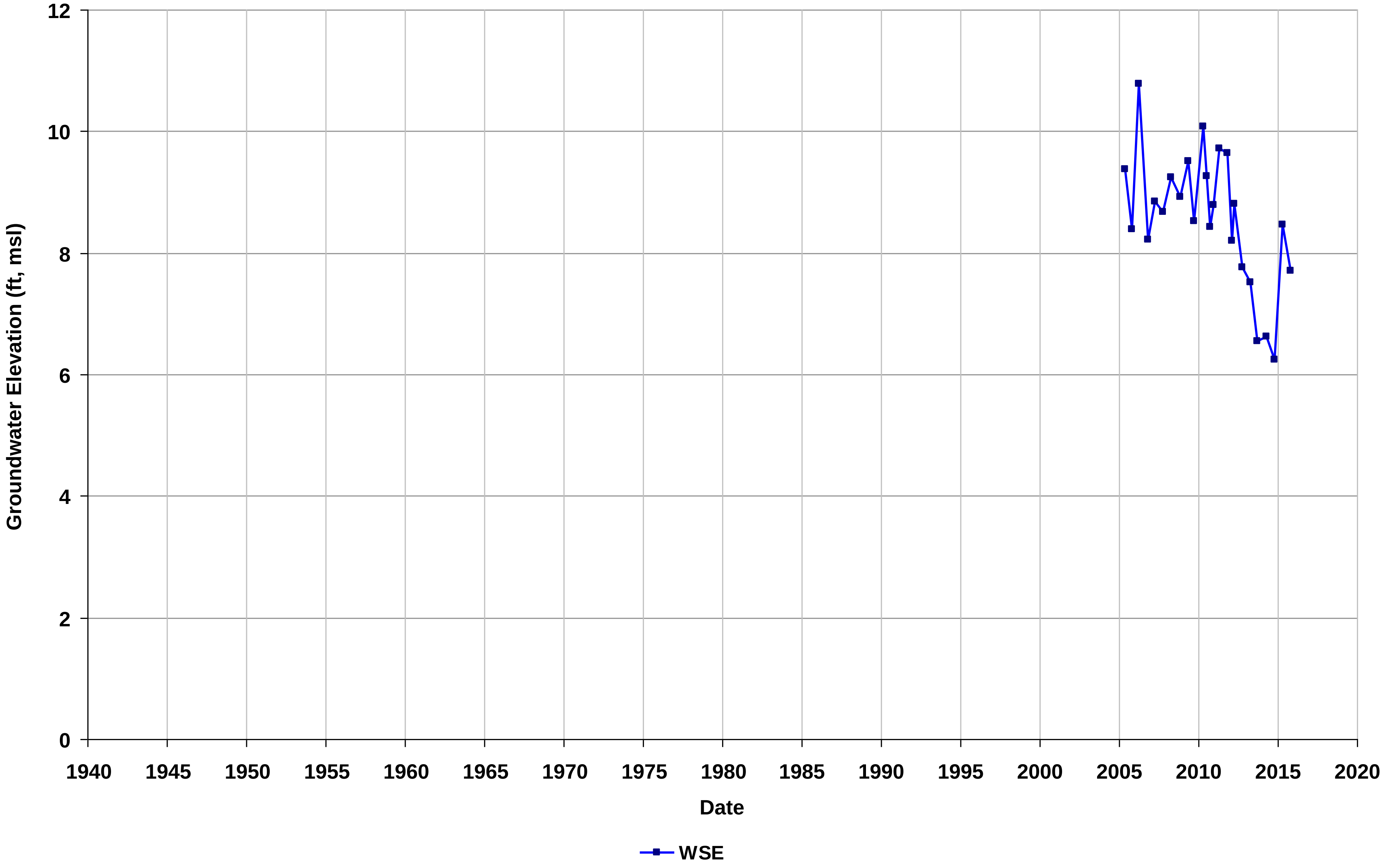
Well Name: SL20268886-MW-NEW2
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 47.5-58
T/R/S: n/a
Well Use: Observation



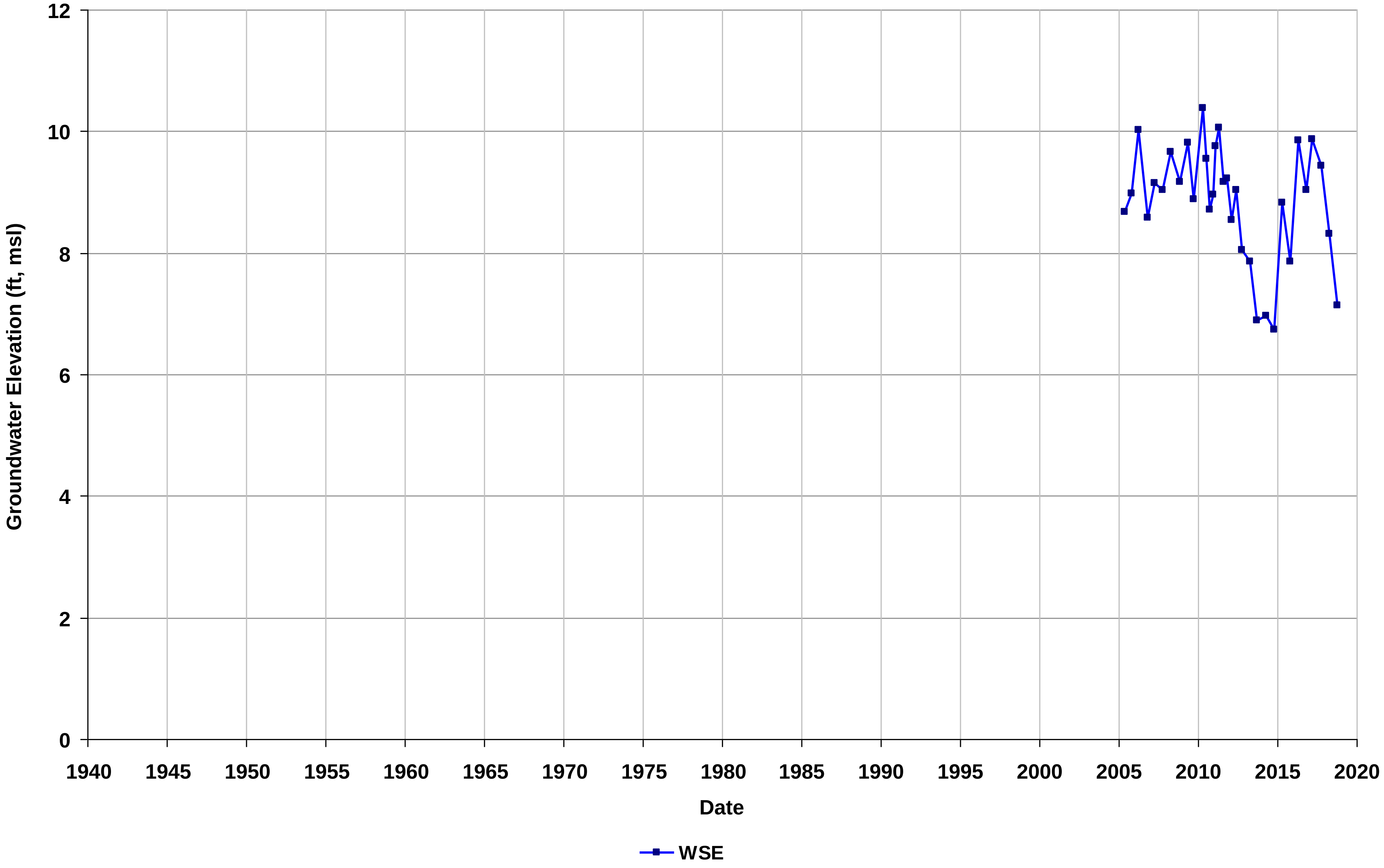
Well Name: SL20268886-MW-NEW3
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 52
Perf. Interval (ft bgs): 42.5-52
T/R/S: n/a
Well Use: Observation



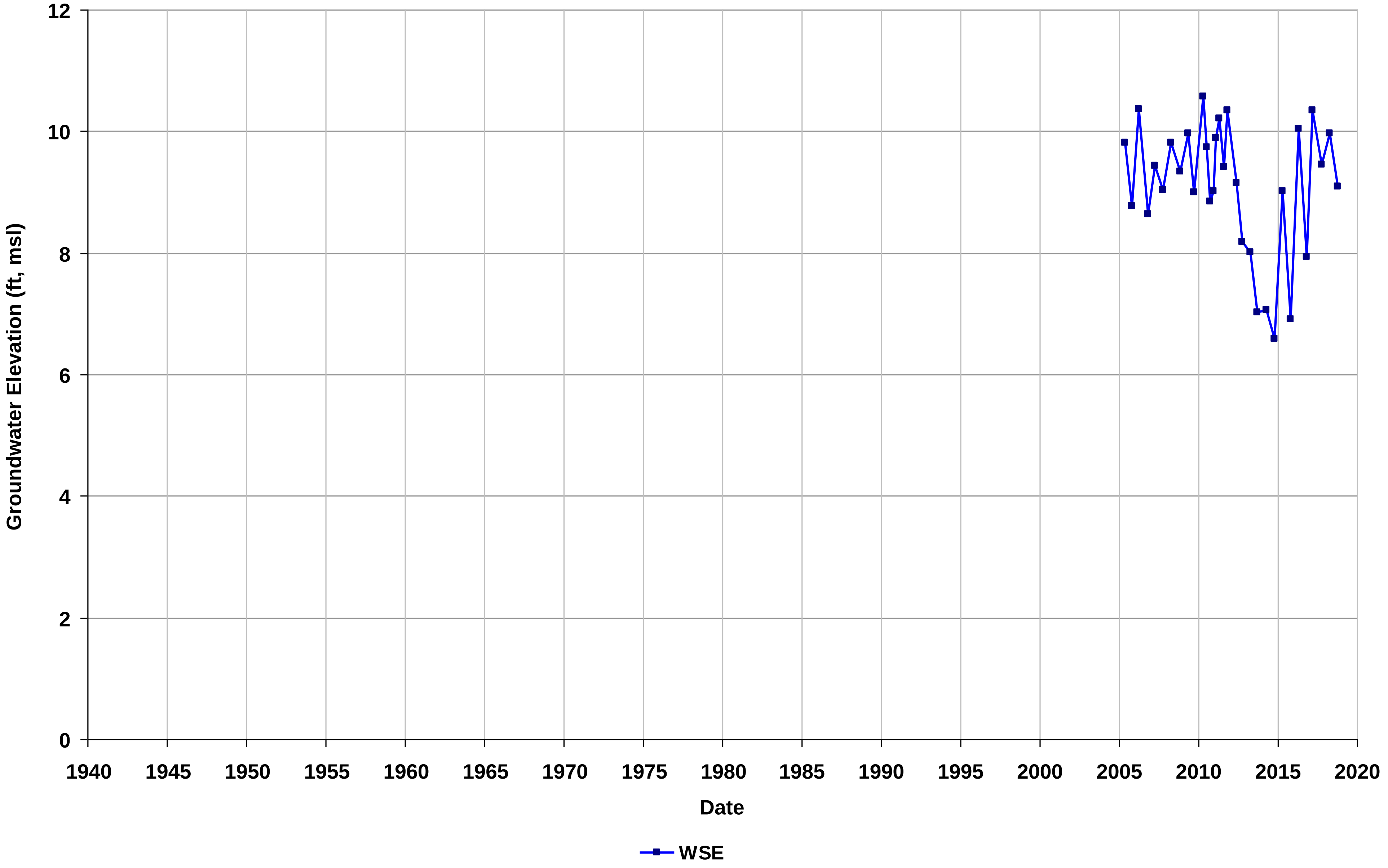
Well Name: SL20268886-MW-NEW4
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 51
Perf. Interval (ft bgs): 42.5-52
T/R/S: n/a
Well Use: Observation



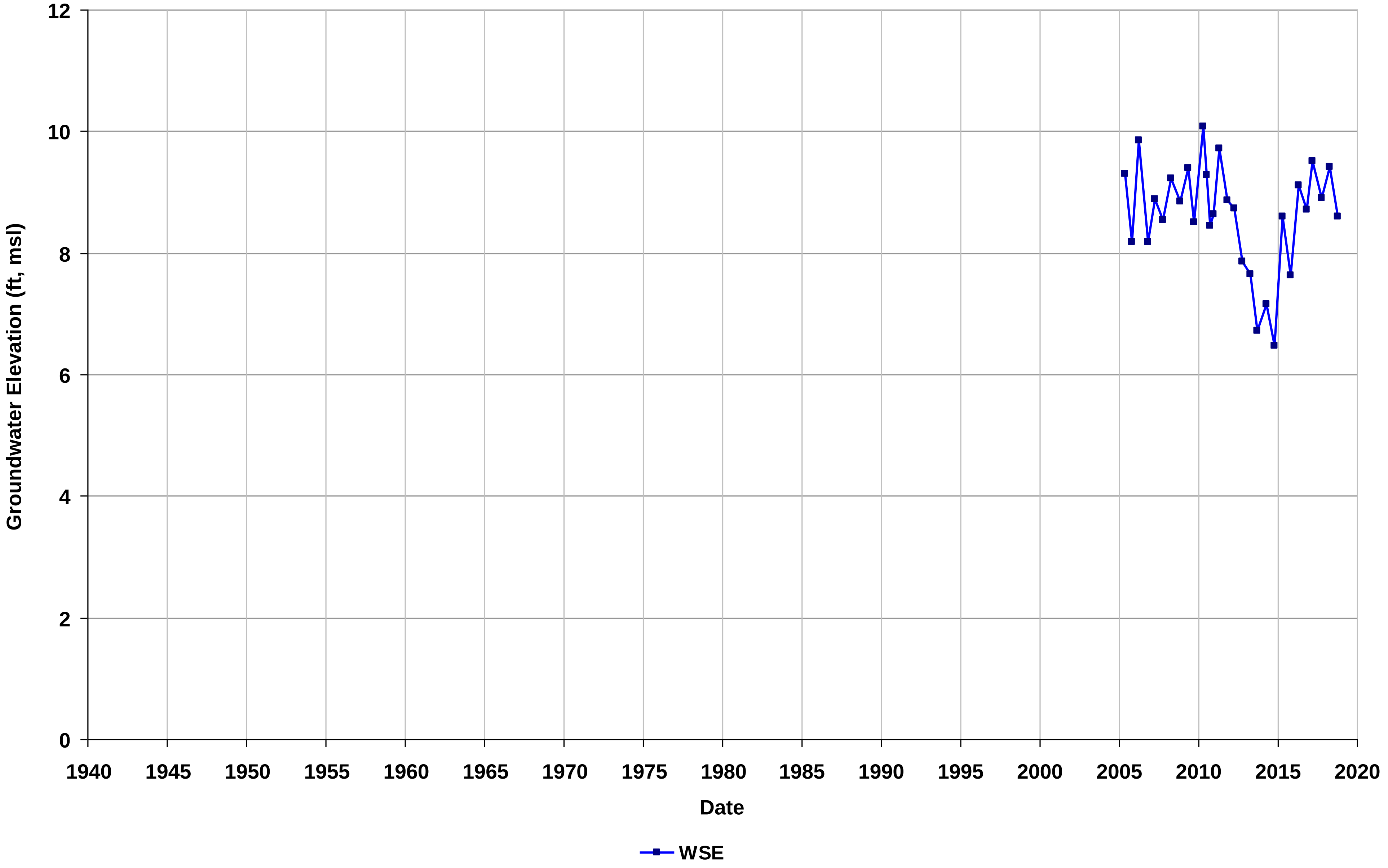
Well Name: SL20268886-MW-NEW5
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 60
Perf. Interval (ft bgs): 50-60
T/R/S: n/a
Well Use: Observation



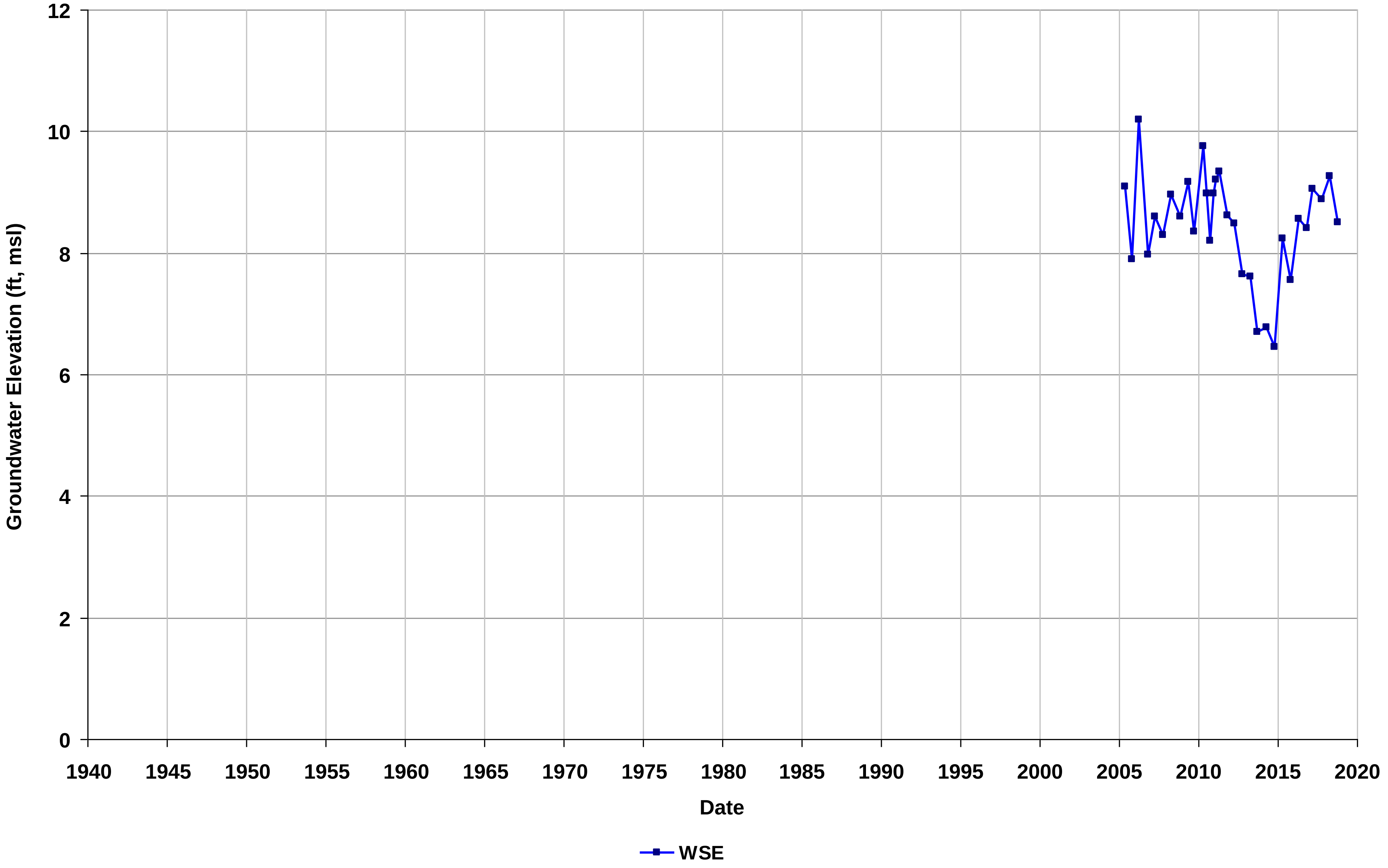
Well Name: SL20268886-MW-NEW6
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 62
Perf. Interval (ft bgs): 50-60
T/R/S: n/a
Well Use: Observation



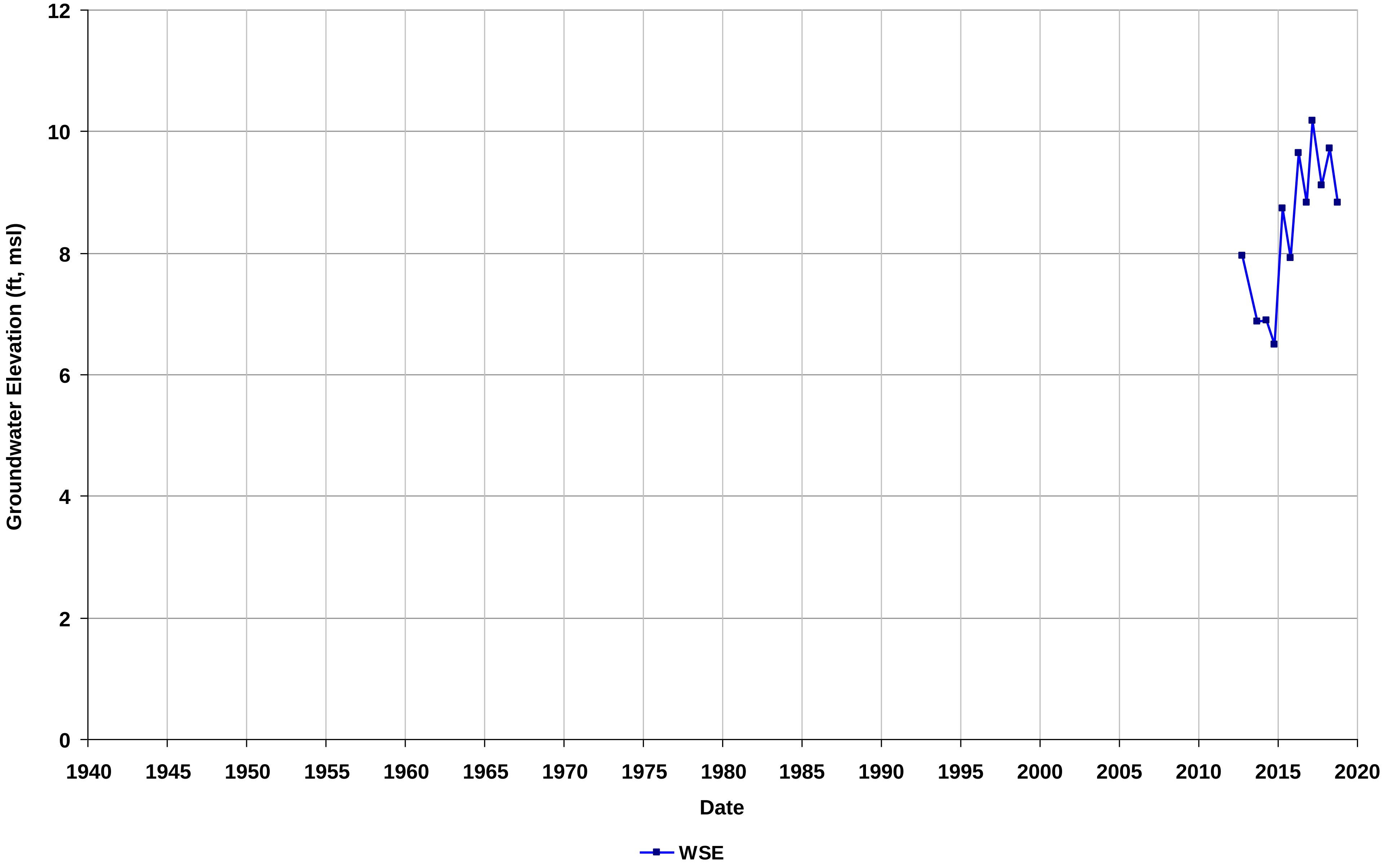
Well Name: SL20268886-MW-NEW7
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 61
Perf. Interval (ft bgs): 50-60
T/R/S: n/a
Well Use: Observation



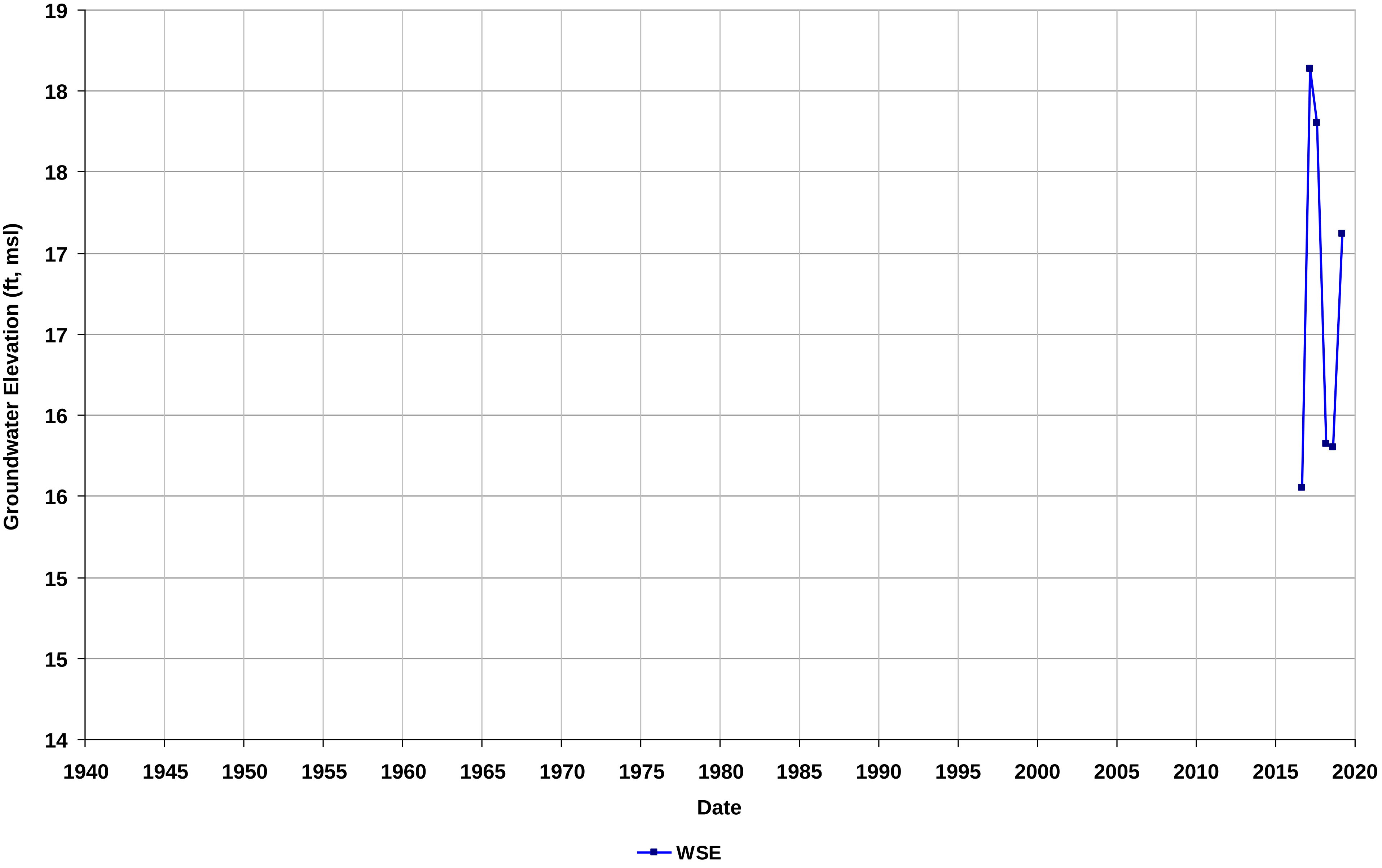
Well Name: SL20268886-MW-NEW9
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 52
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



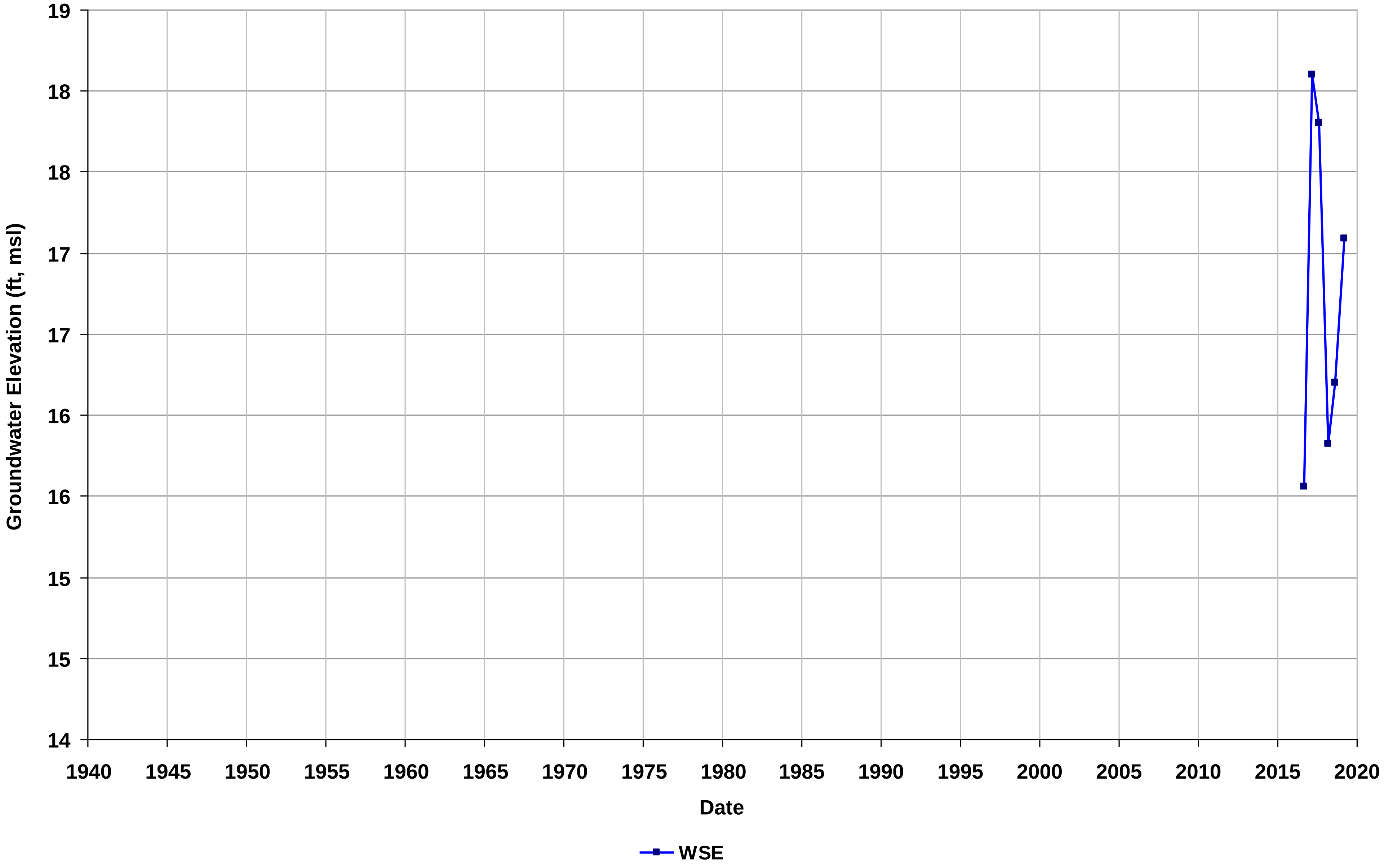
Well Name: T0600100099-MW-6AD
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 50-55
T/R/S: n/a
Well Use: Observation



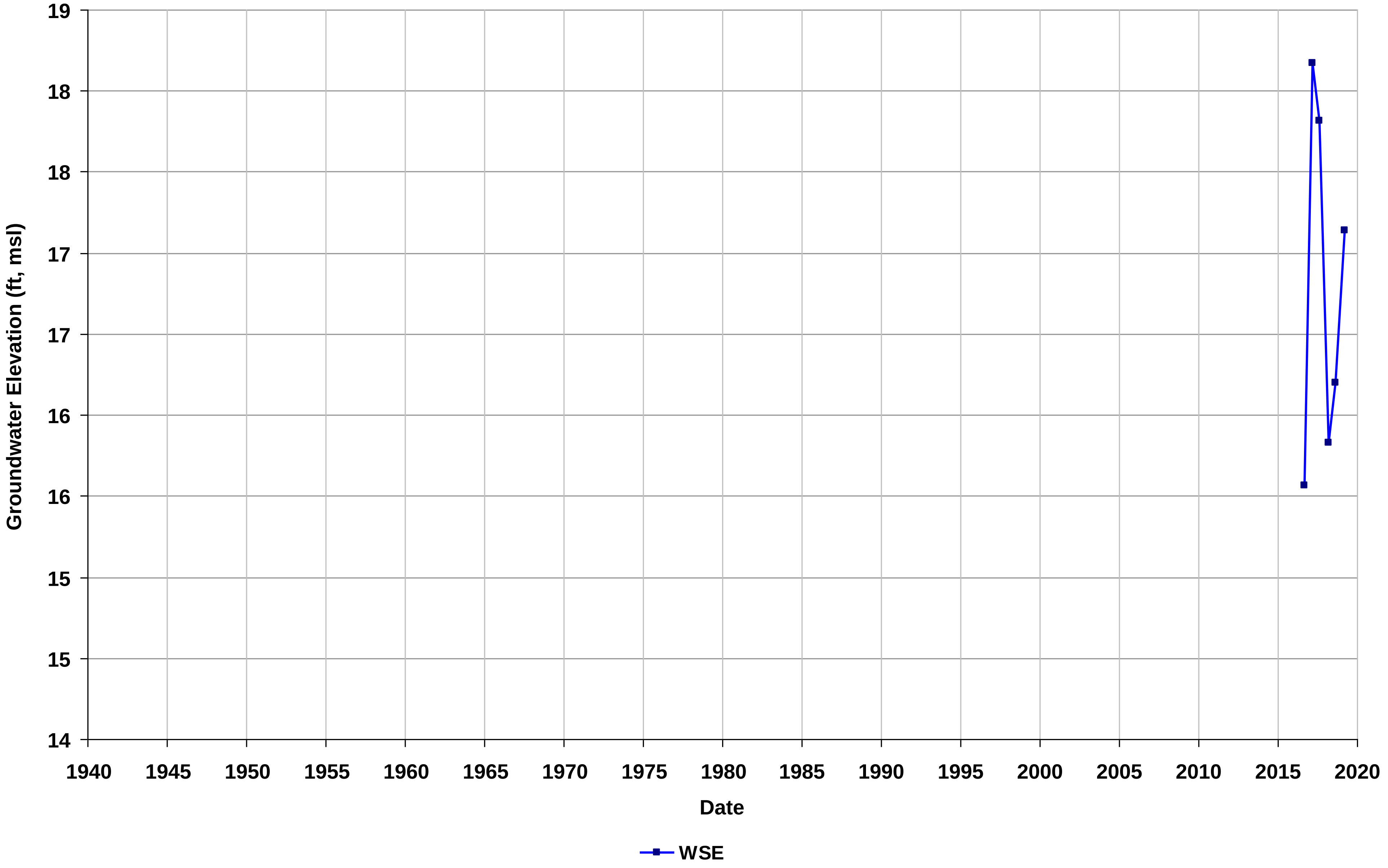
Well Name: T0600100099-MW-7AD
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 50-55
T/R/S: n/a
Well Use: Observation



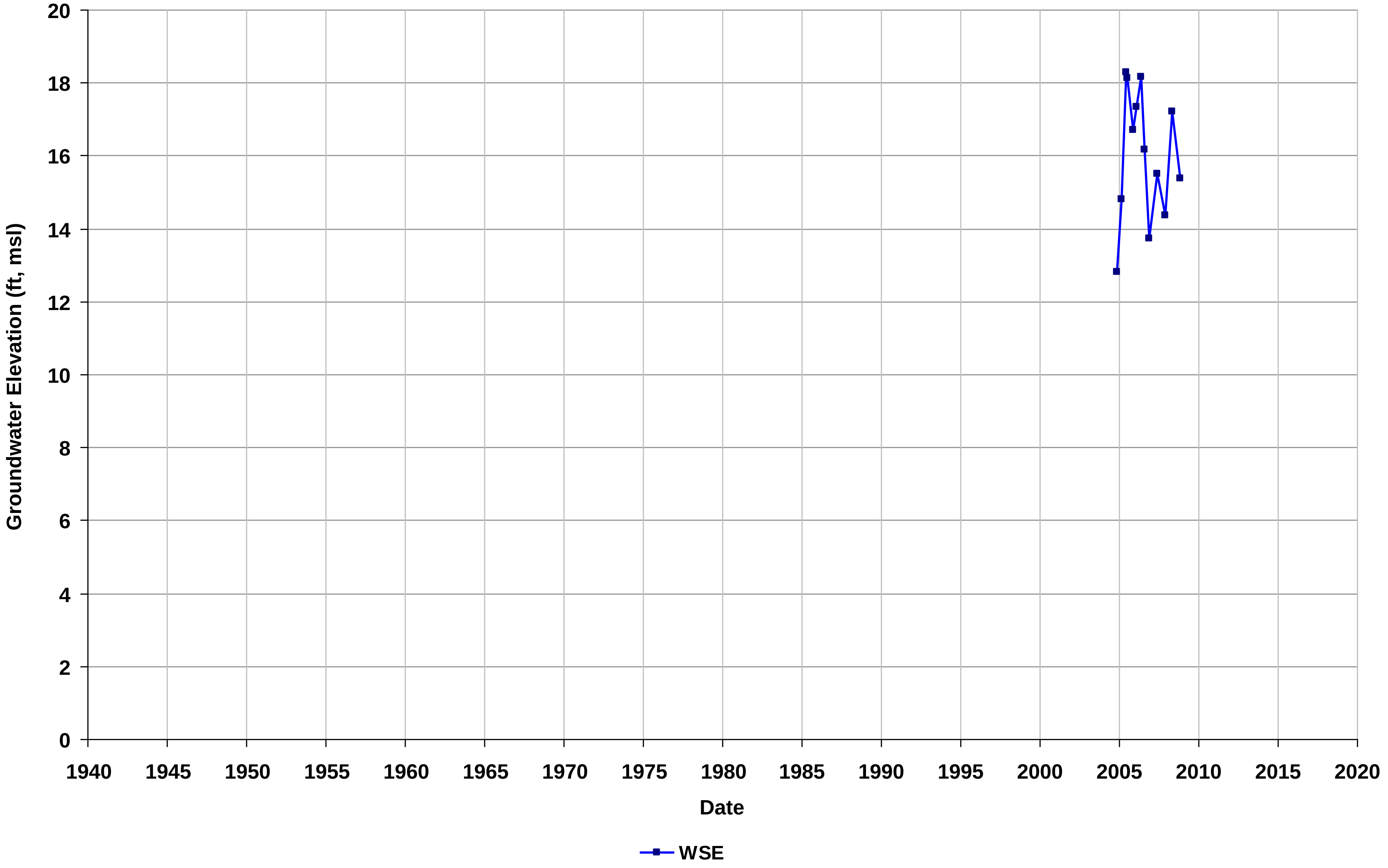
Well Name: T0600100099-MW-8AD
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 50-55
T/R/S: n/a
Well Use: Observation



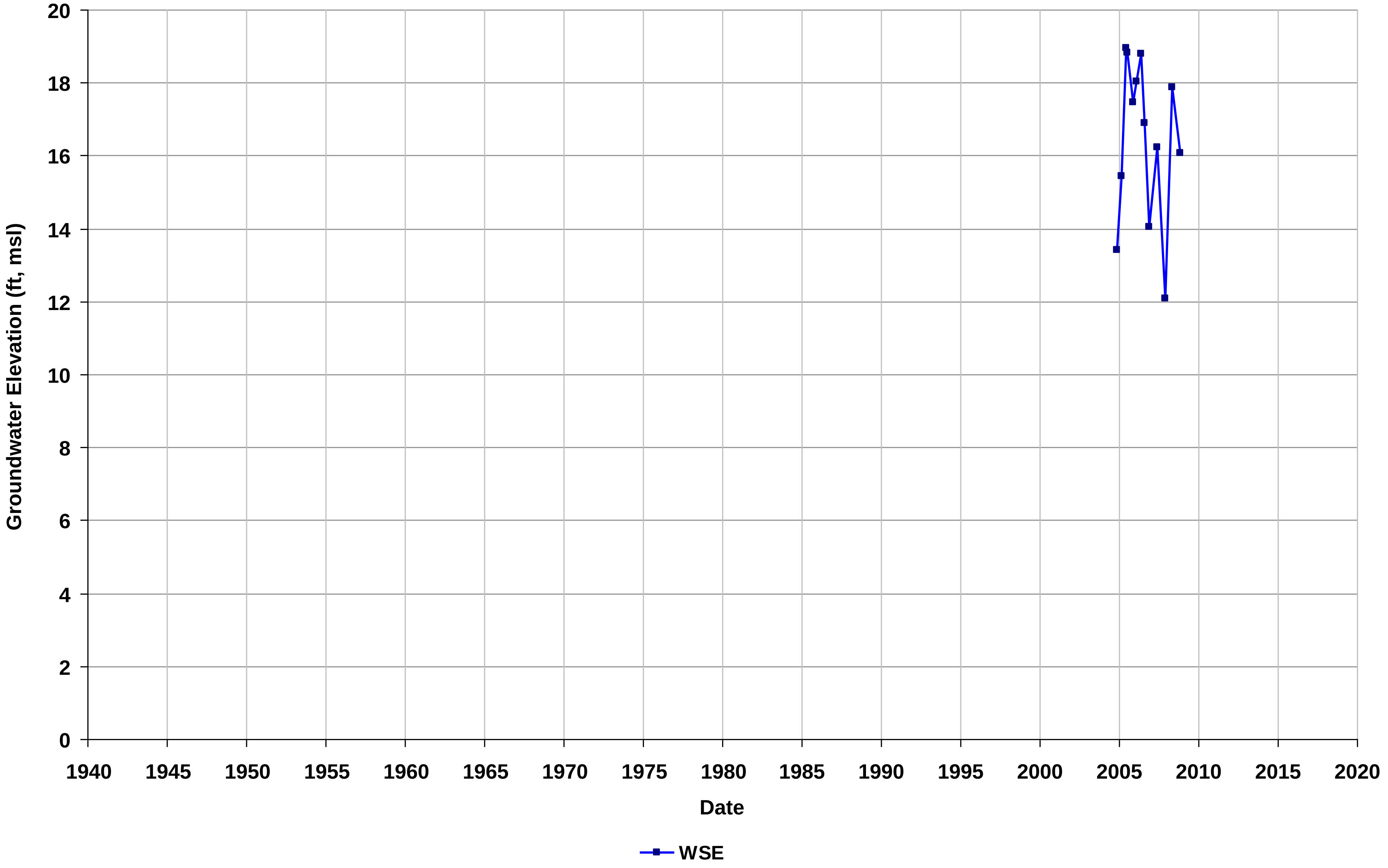
Well Name: T0600100159-MW-1
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 61
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



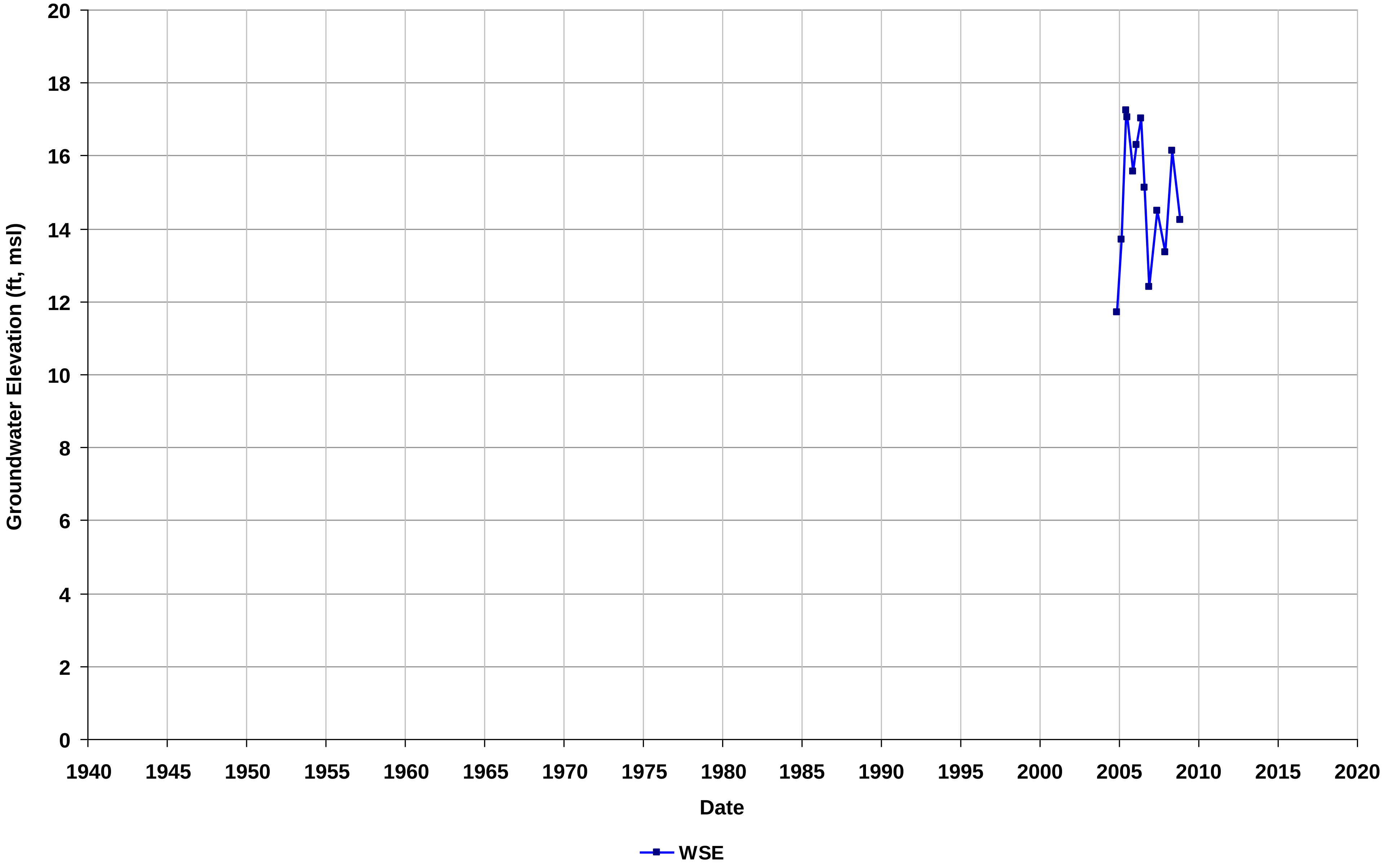
Well Name: T0600100159-MW-2
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 67
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



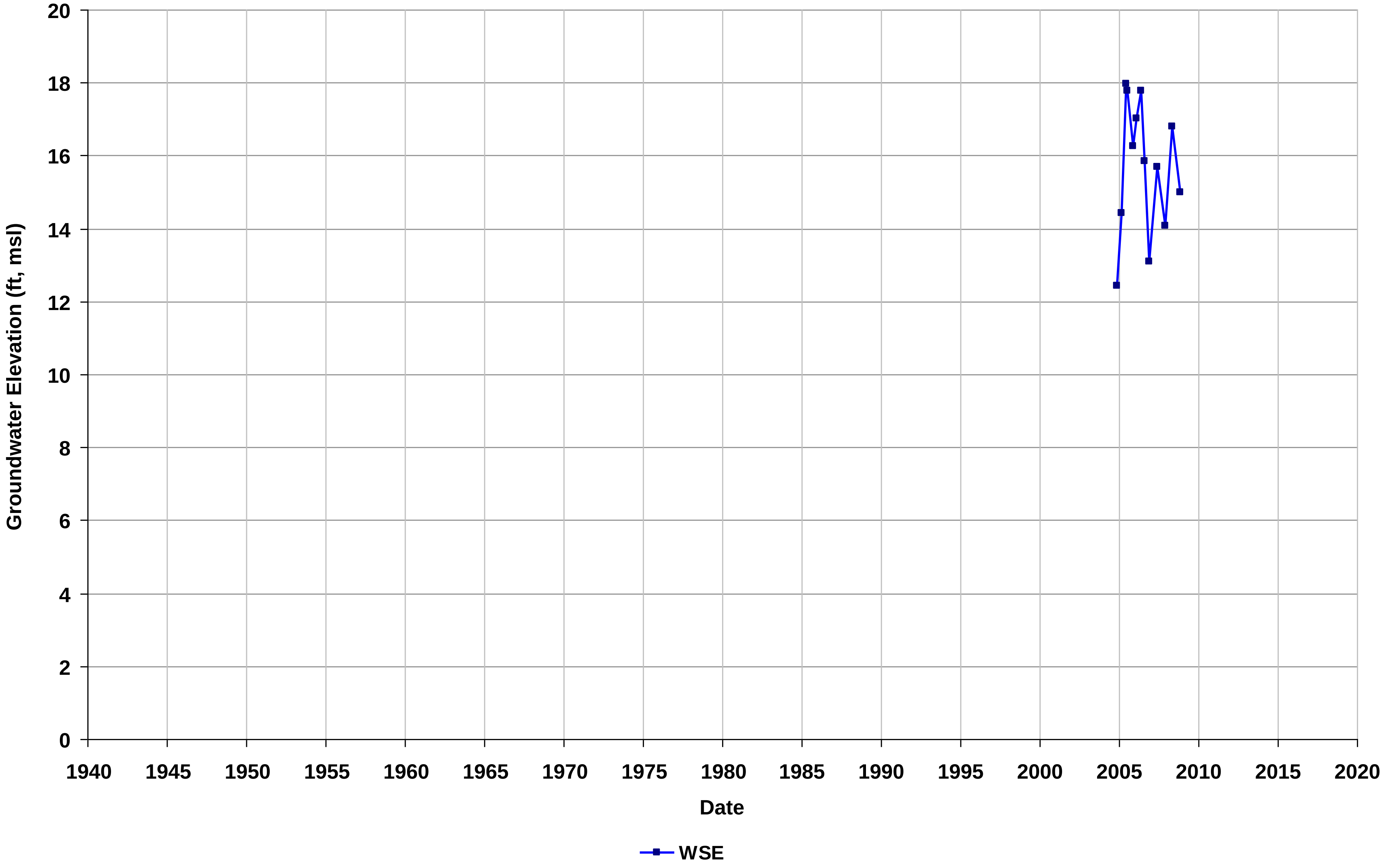
Well Name: T0600100159-MW-3
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 67
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



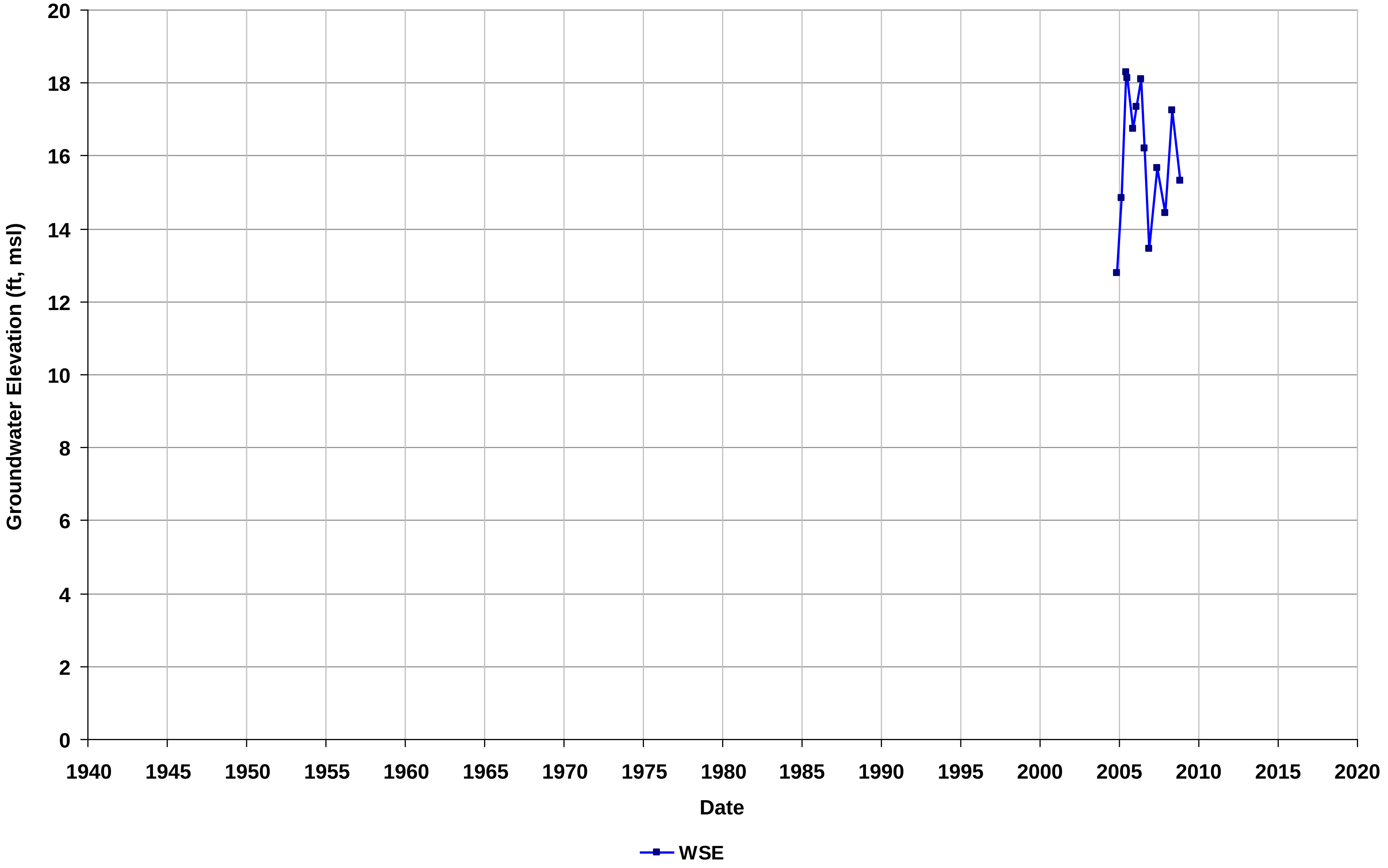
Well Name: T0600100159-MW-4
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 66
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



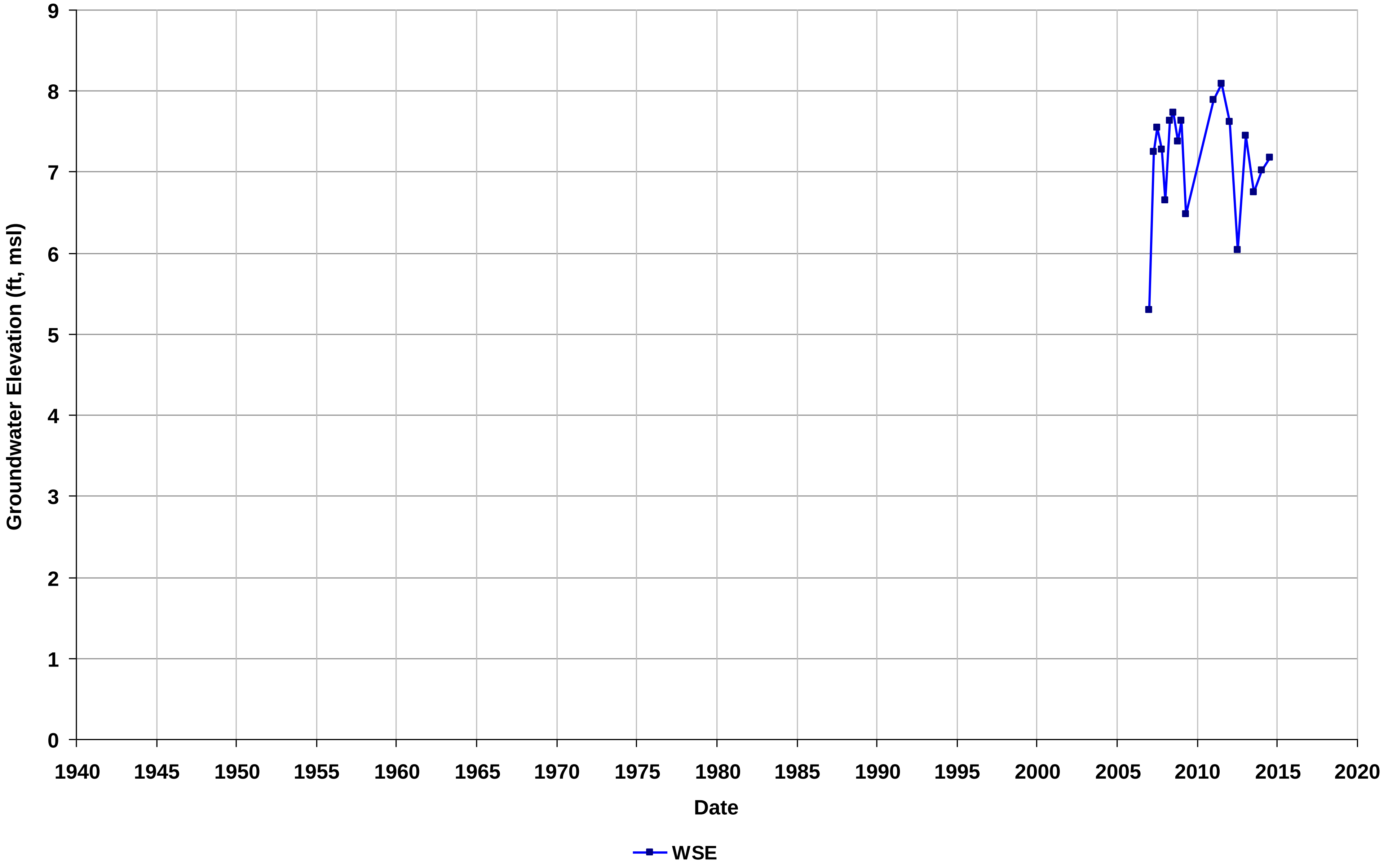
Well Name: T0600100159-MW-7
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 58
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



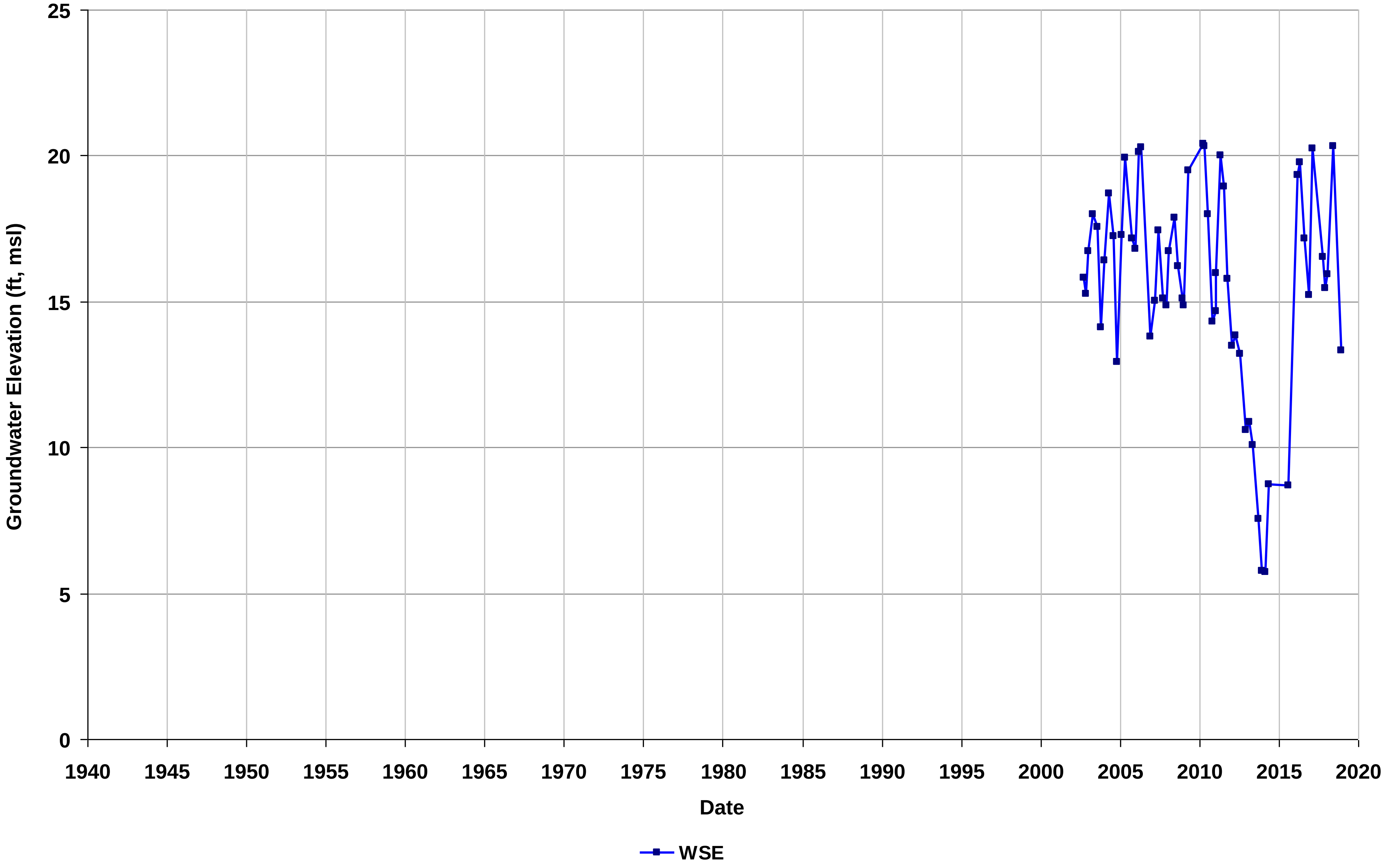
Well Name: T0600100211-UMW-3
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 50-70
T/R/S: 04S/02W/10
Well Use: Observation



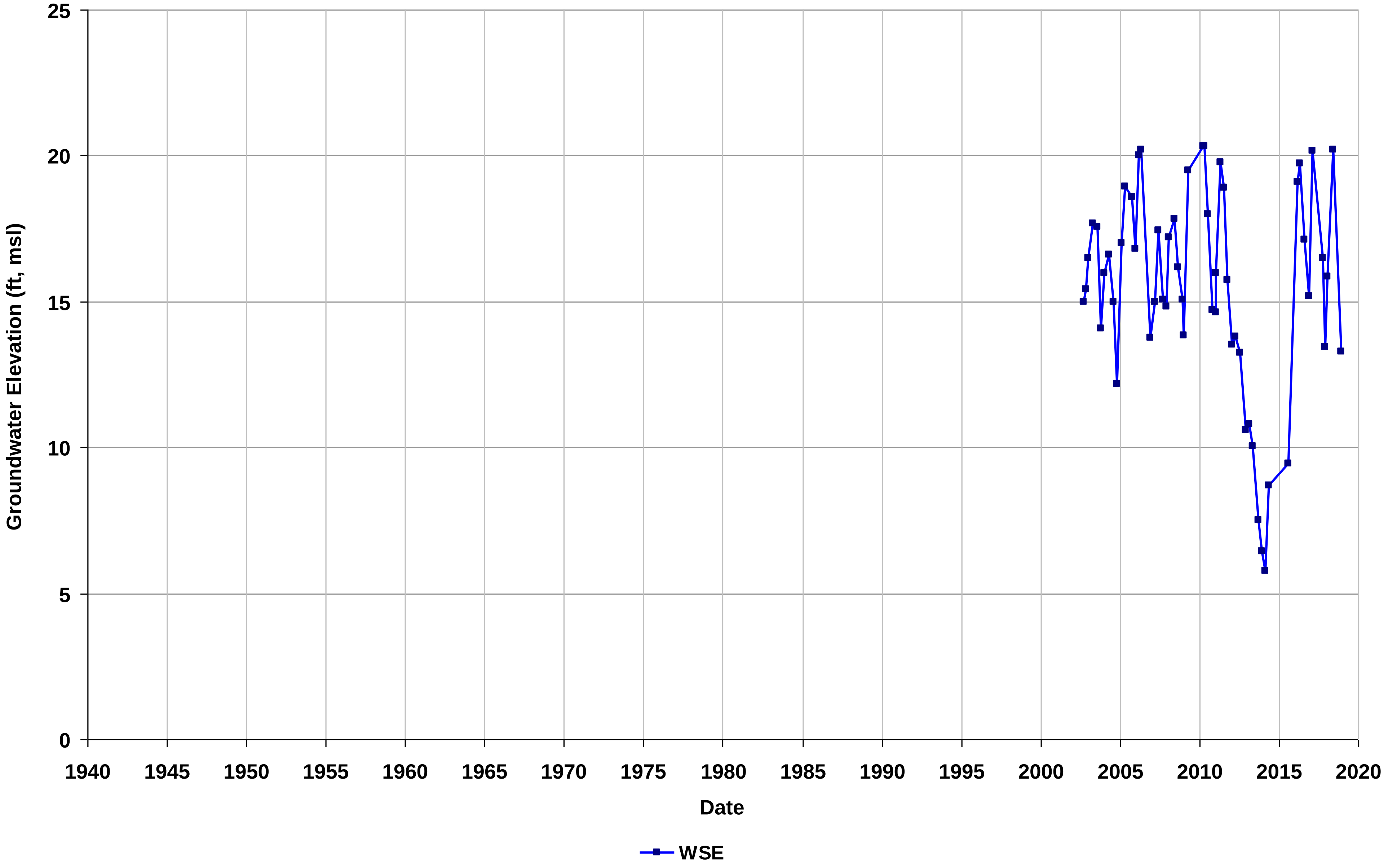
Well Name: T0600100214-MW-15B
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 45.5-56
T/R/S: 04S/02W/24
Well Use: Observation



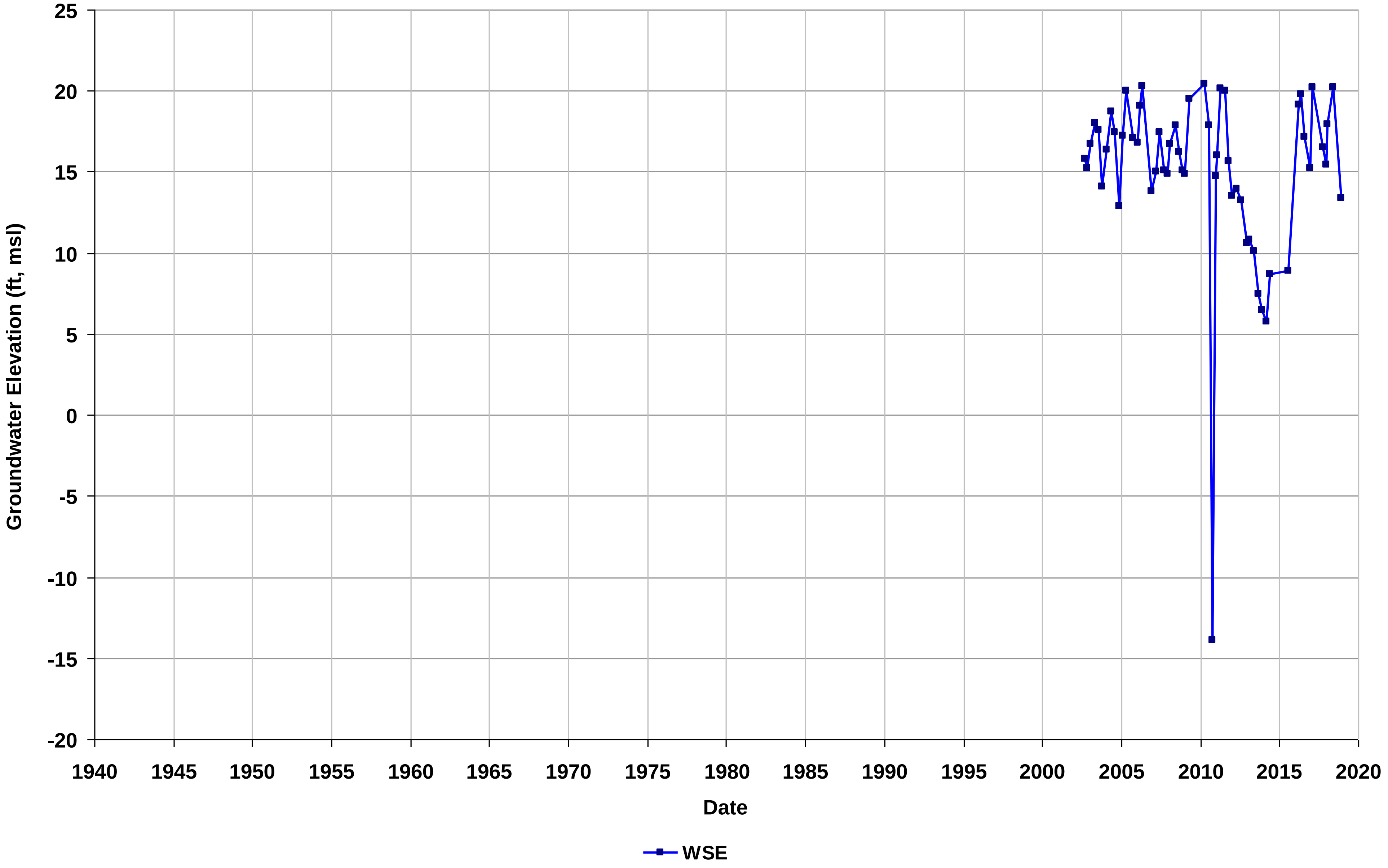
Well Name: T0600100214-MW-15C
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 62-67
T/R/S: 04S/02W/24
Well Use: Observation



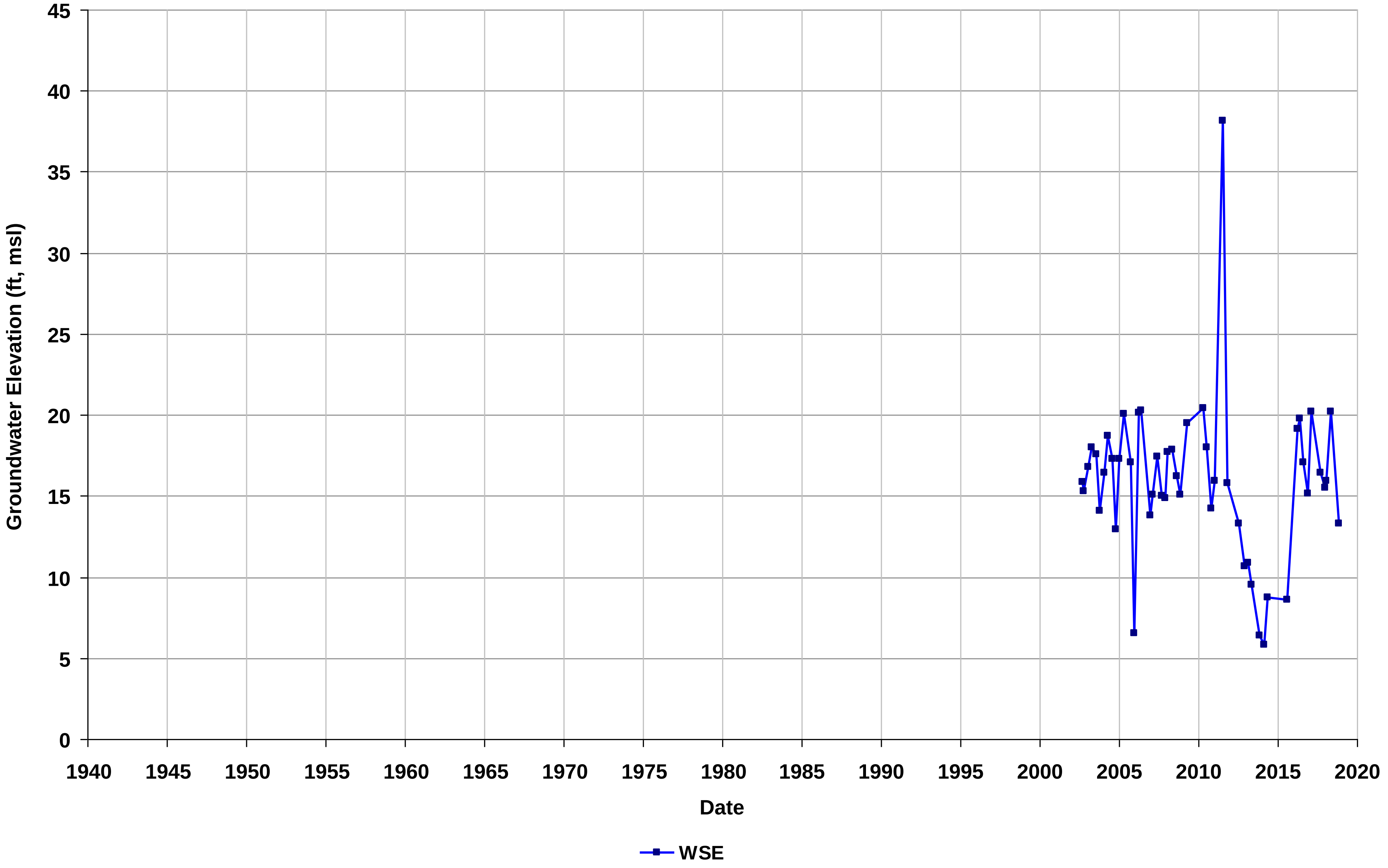
Well Name: T0600100214-MW-16B
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 45-55
T/R/S: 04S/02W/24
Well Use: Observation



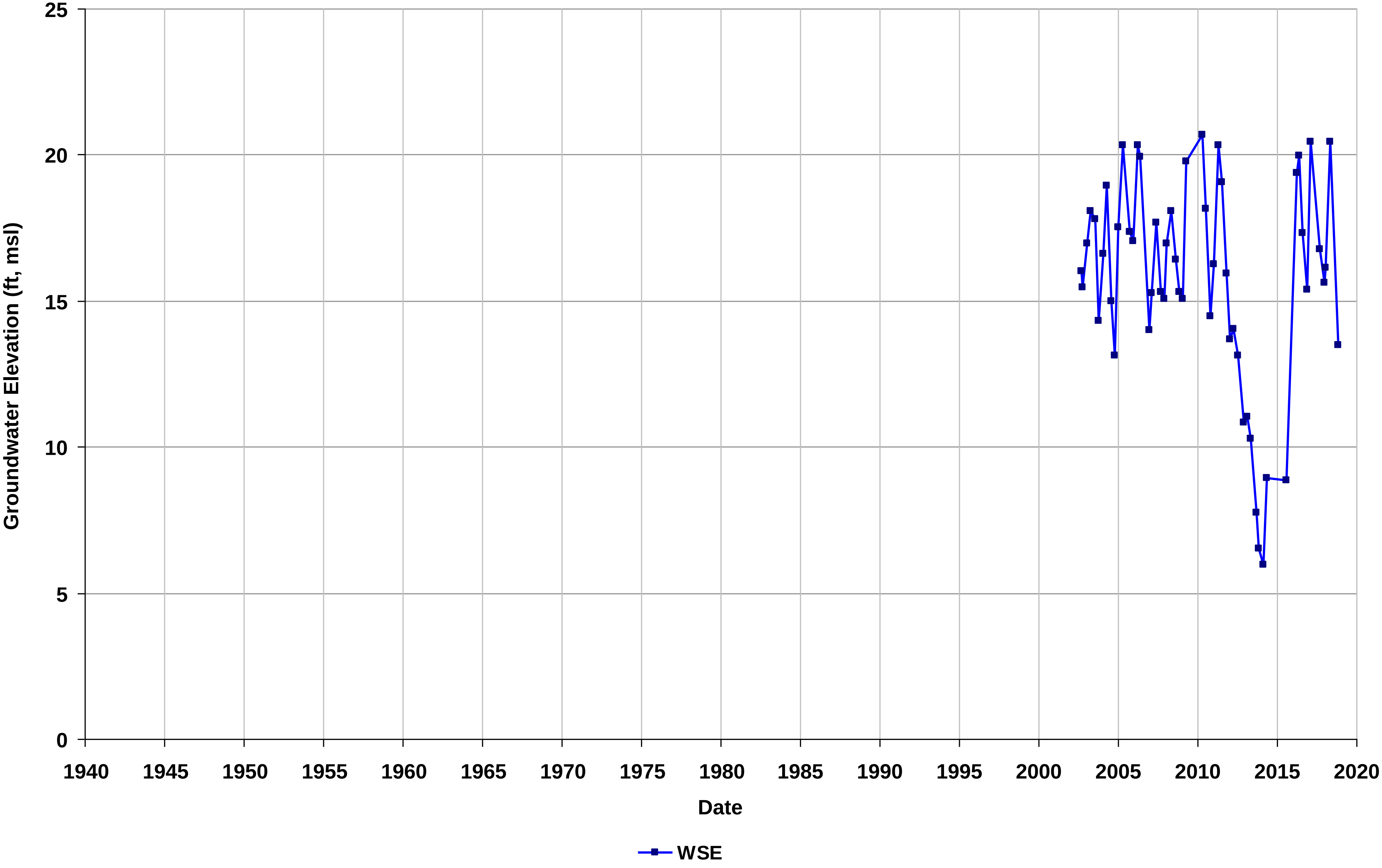
Well Name: T0600100214-MW-17B
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 46-56
T/R/S: 04S/02W/24
Well Use: Observation



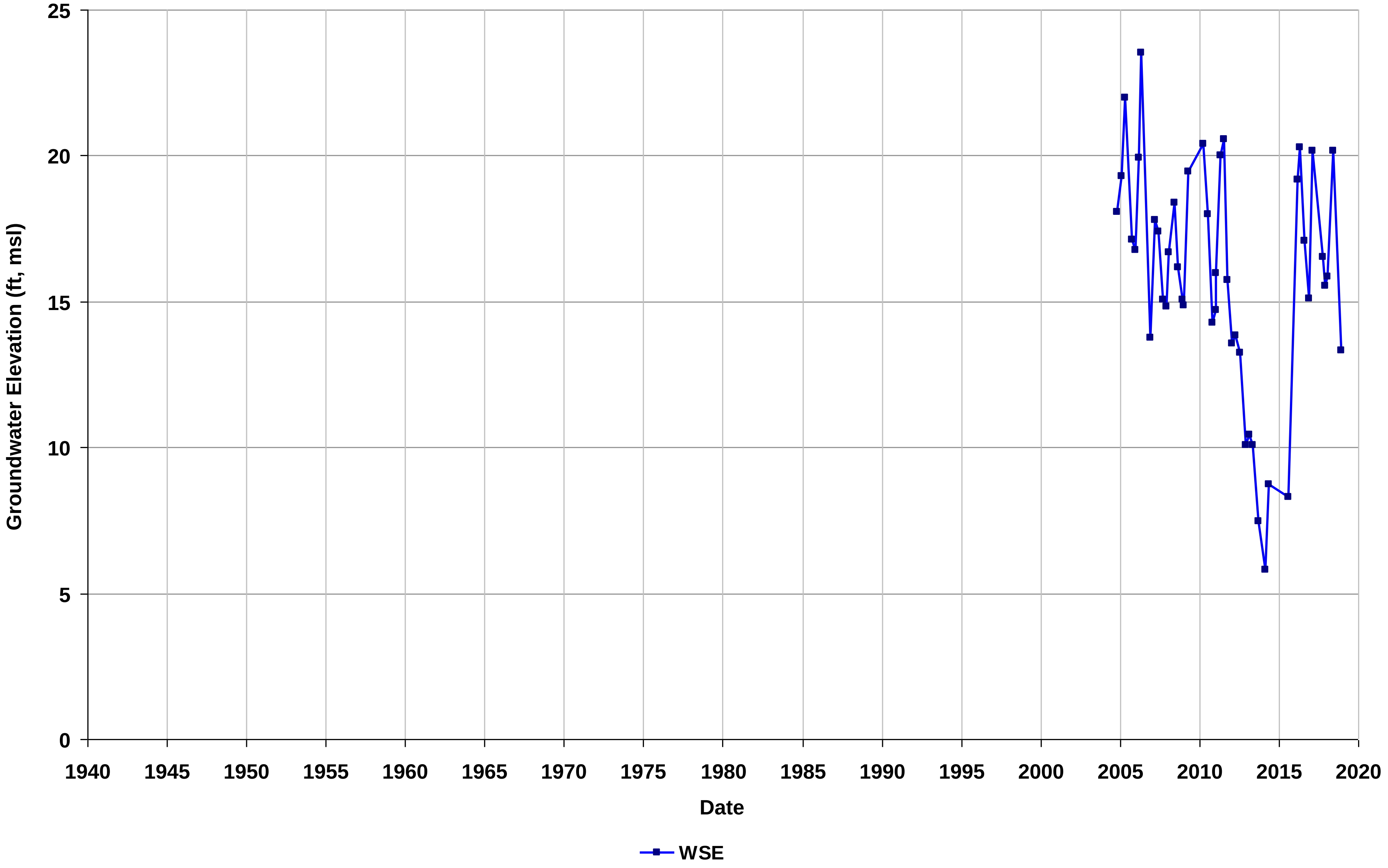
Well Name: T0600100214-MW-18B
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 45-55
T/R/S: 04S/02W/24
Well Use: Observation



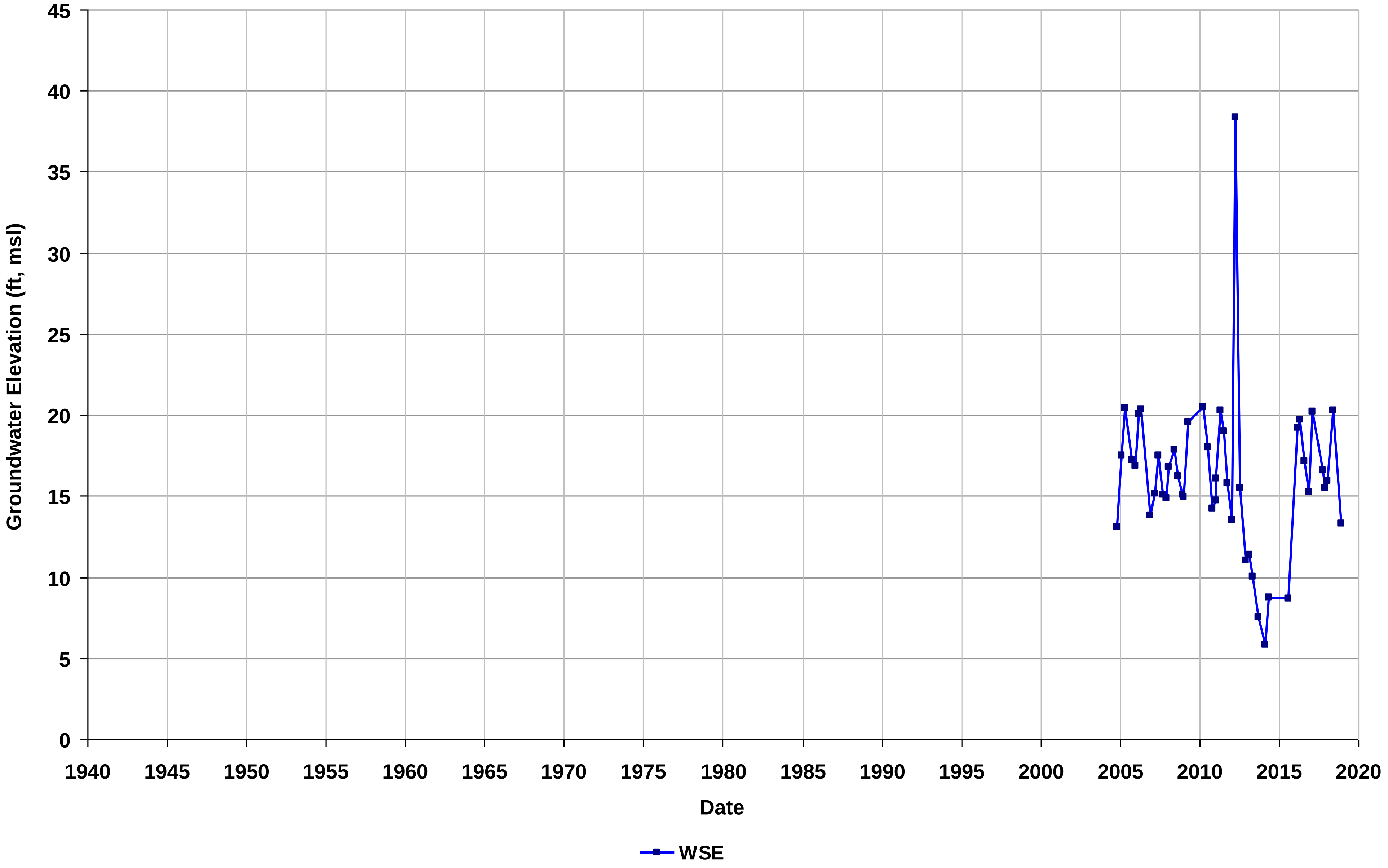
Well Name: T0600100214-MW-19B
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 45-55
T/R/S: 04S/02W/24
Well Use: Observation



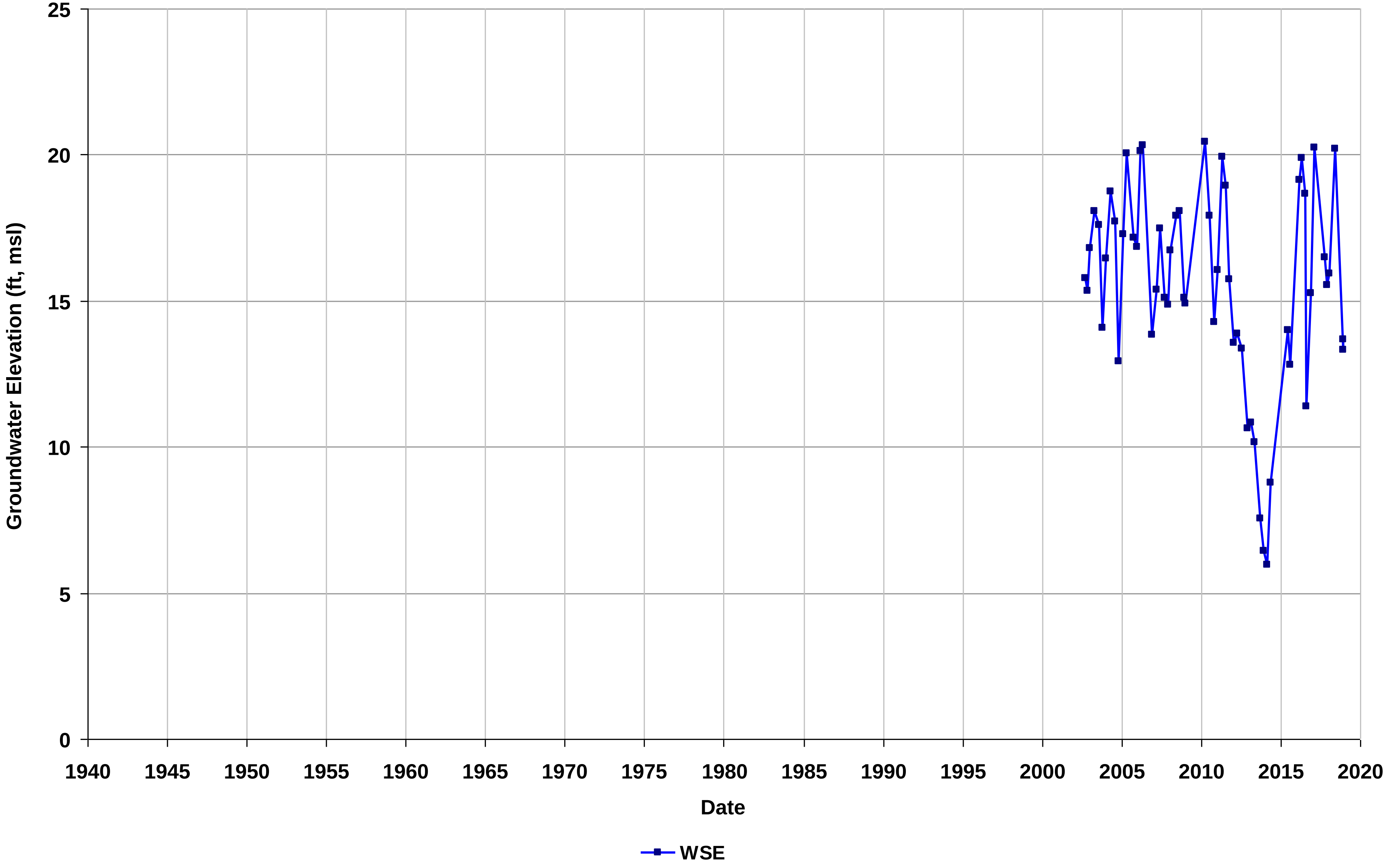
Well Name: T0600100214-MW-20B
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 45-55
T/R/S: 04S/02W/24
Well Use: Observation



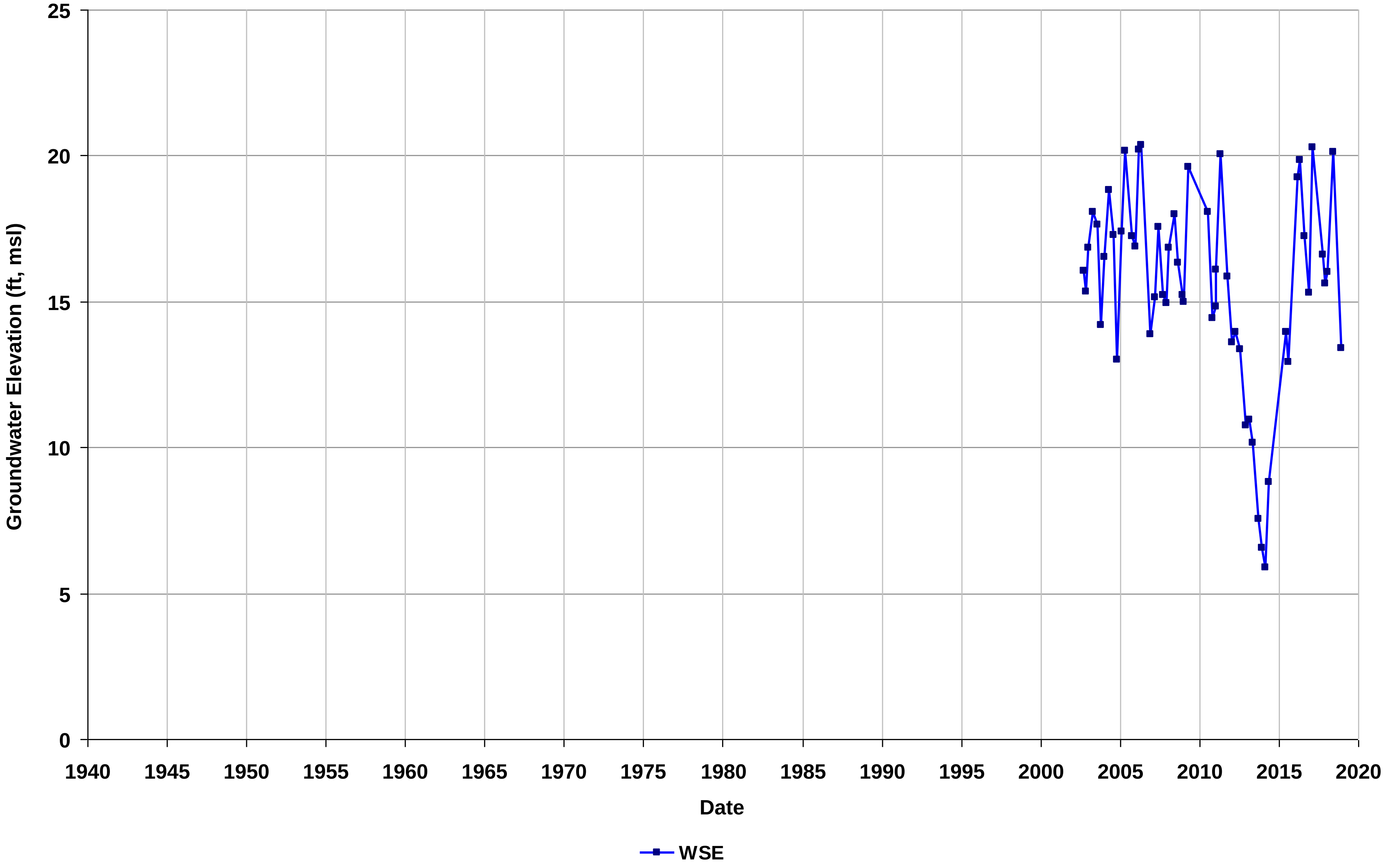
Well Name: T0600100214-MW-9B
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 45-55
T/R/S: 04S/02W/24
Well Use: Observation



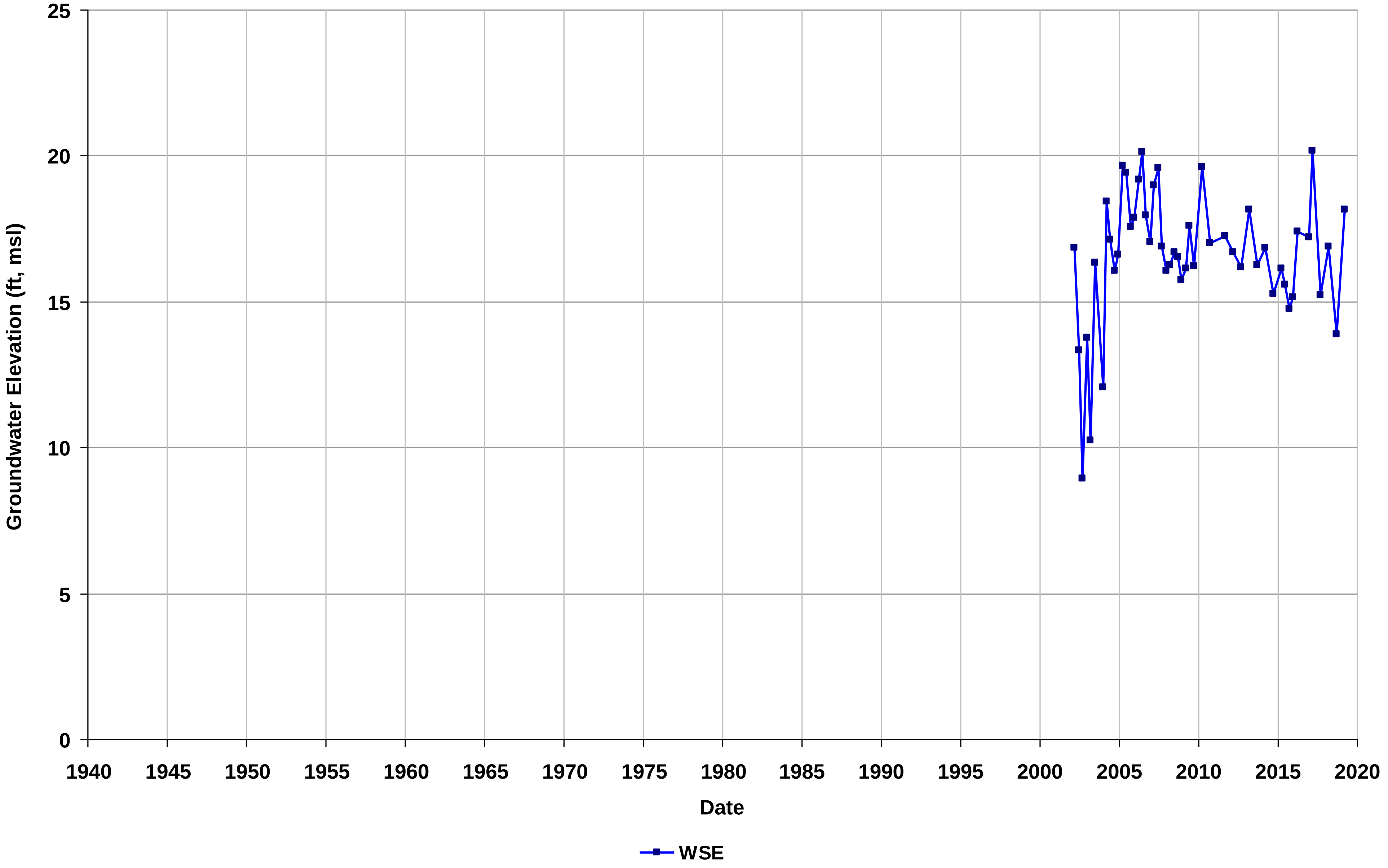
Well Name: T0600100214-OW-1B
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 45-55
T/R/S: 04S/02W/24
Well Use: Observation



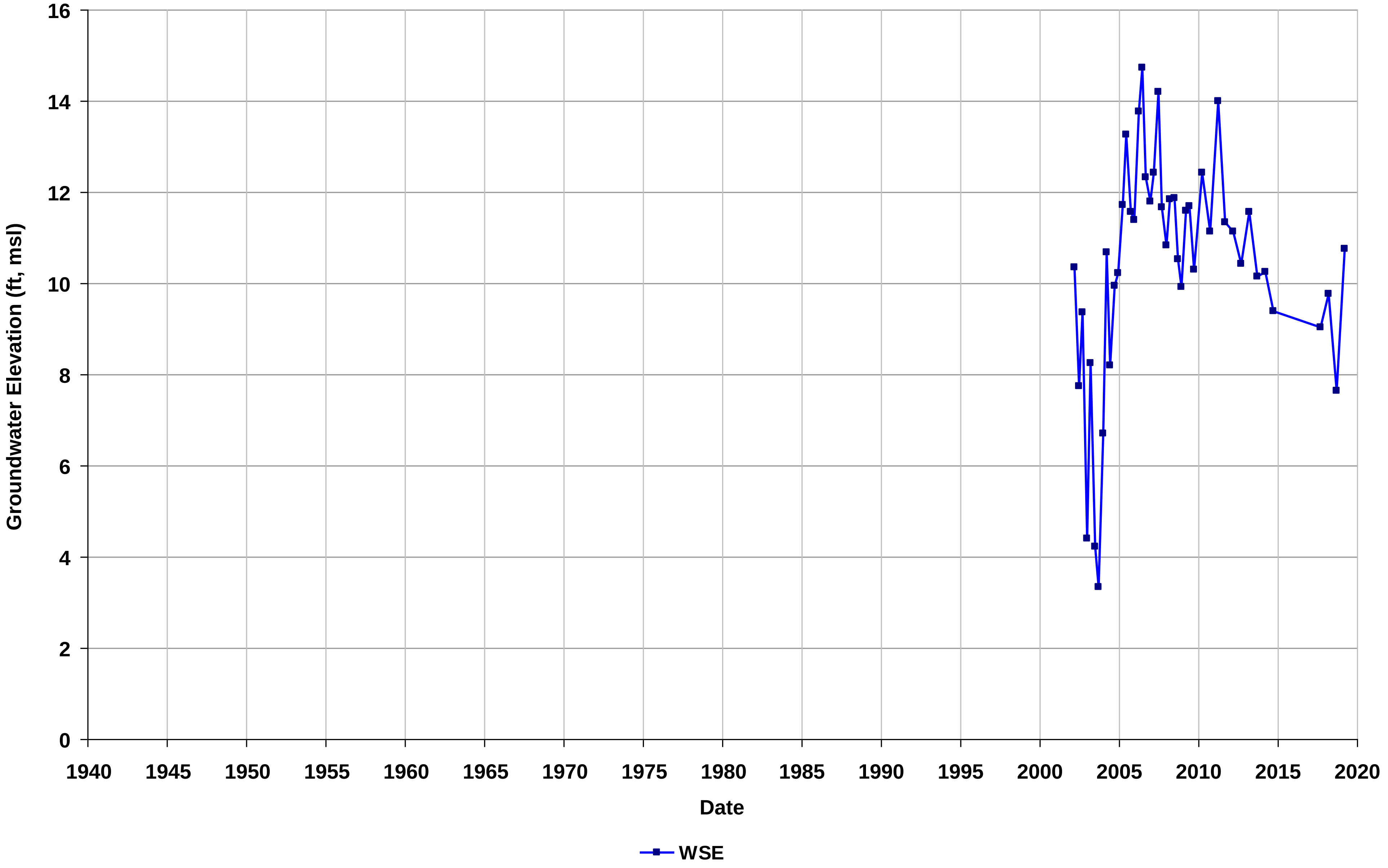
Well Name: T0600100339-C-6
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 54
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



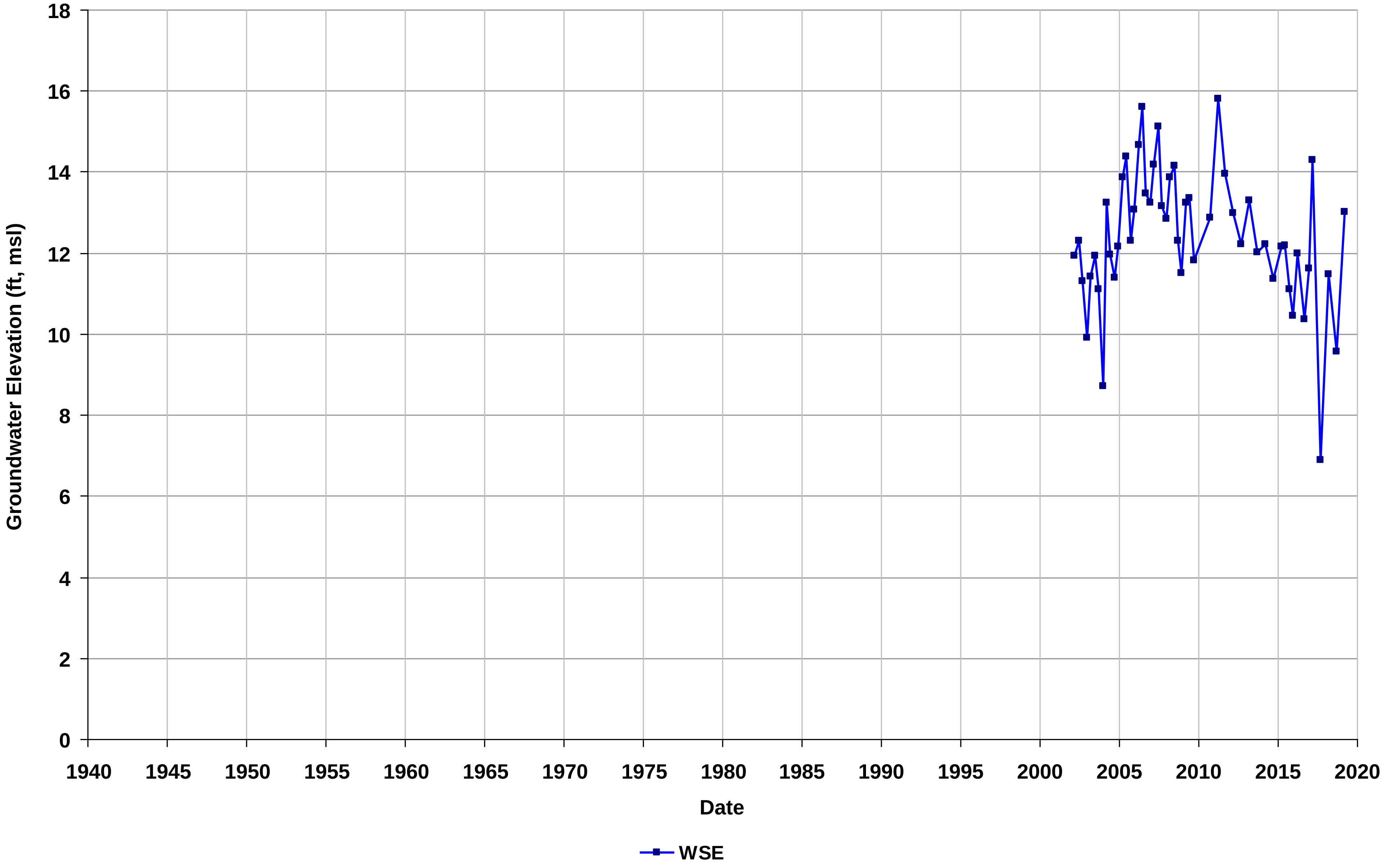
Well Name: T0600100339-C-7
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 51
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



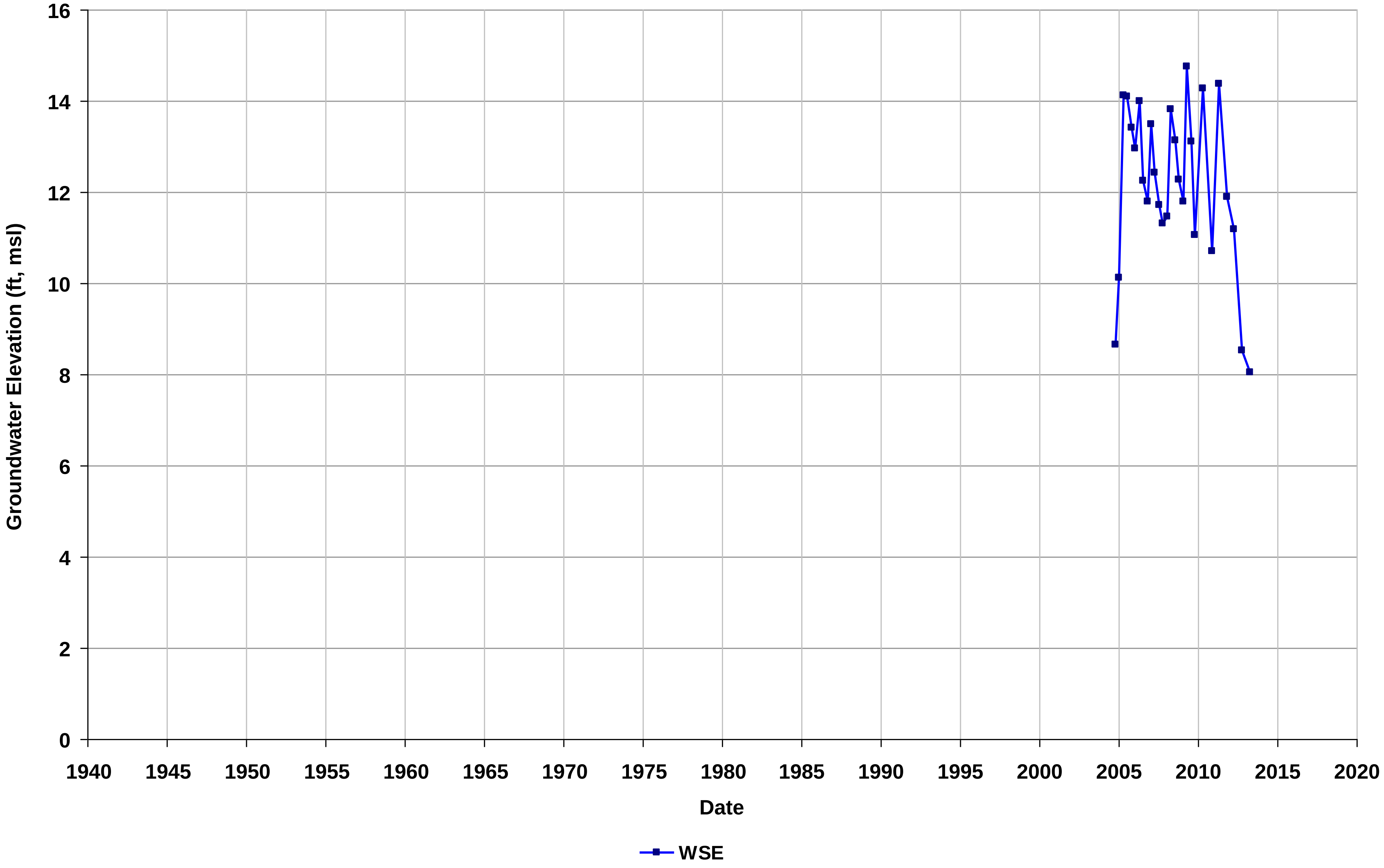
Well Name: T0600100339-C-8
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 56
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



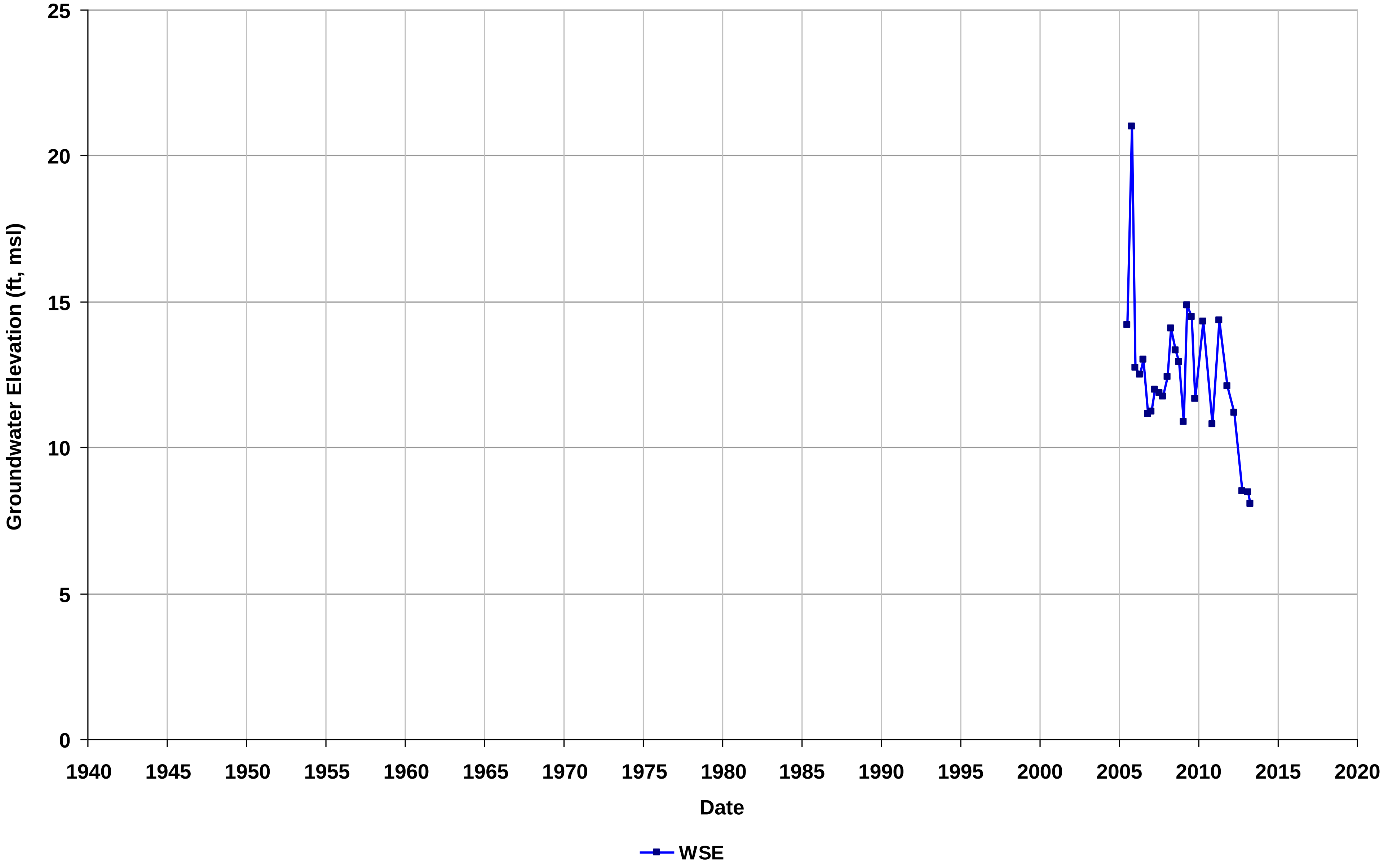
Well Name: T0600100346-C-15
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 58
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



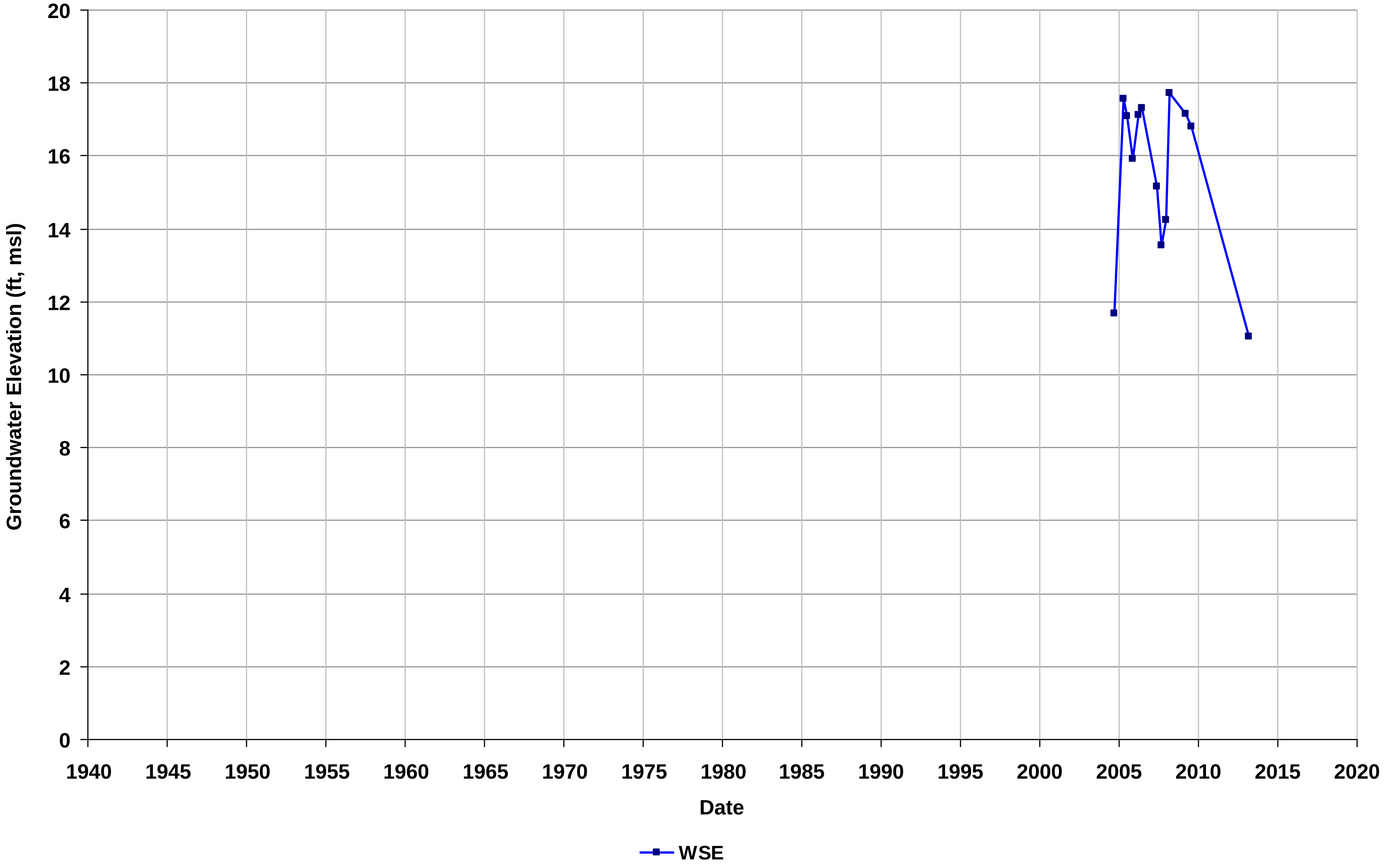
Well Name: T0600100346-C-22
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 54
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



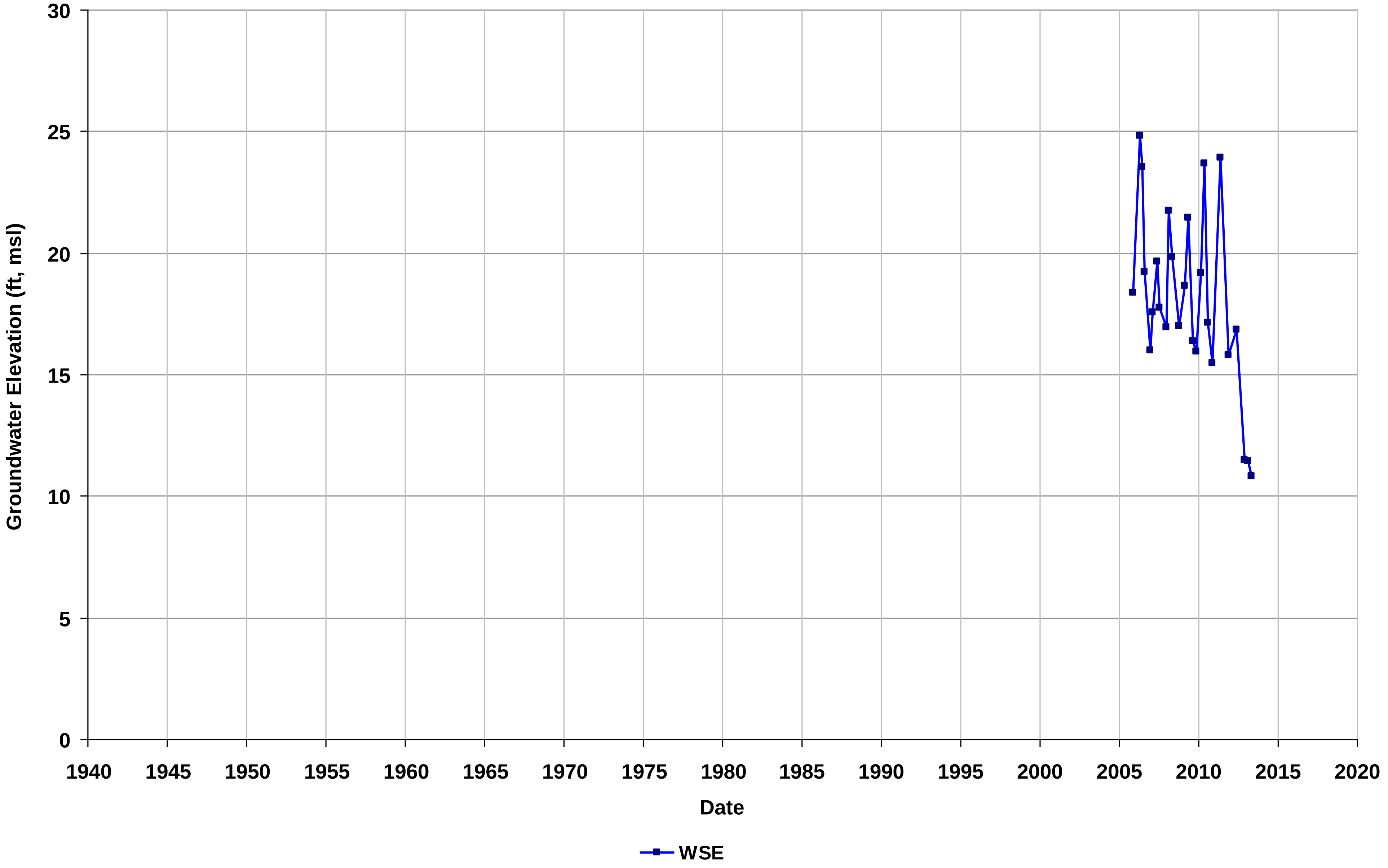
Well Name: T0600100371-D-1
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 57.8-68
T/R/S: n/a
Well Use: Observation



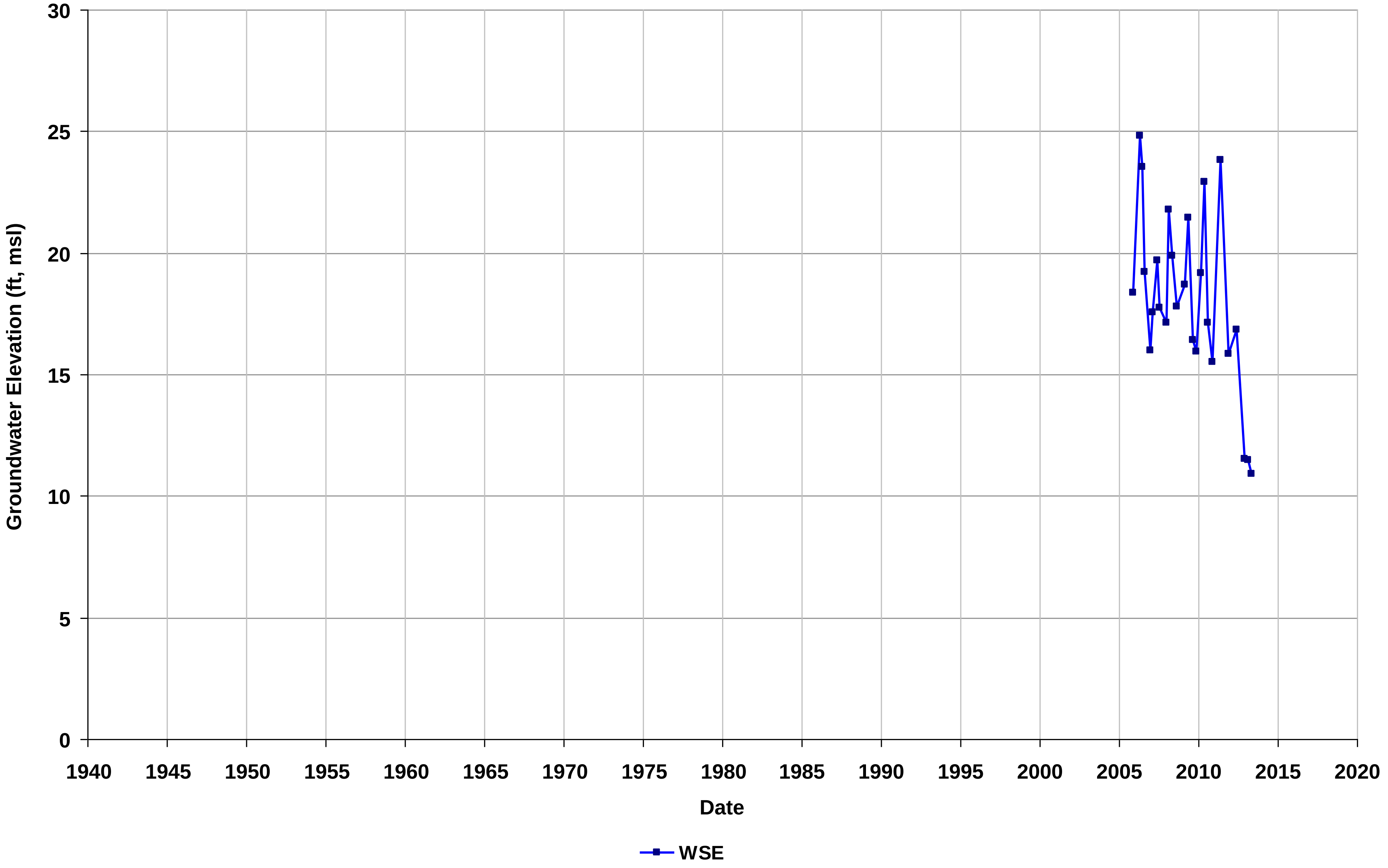
Well Name: T0600100382-NMW-1
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 52
Perf. Interval (ft bgs): 41-51
T/R/S: 04S/01W/18
Well Use: Observation



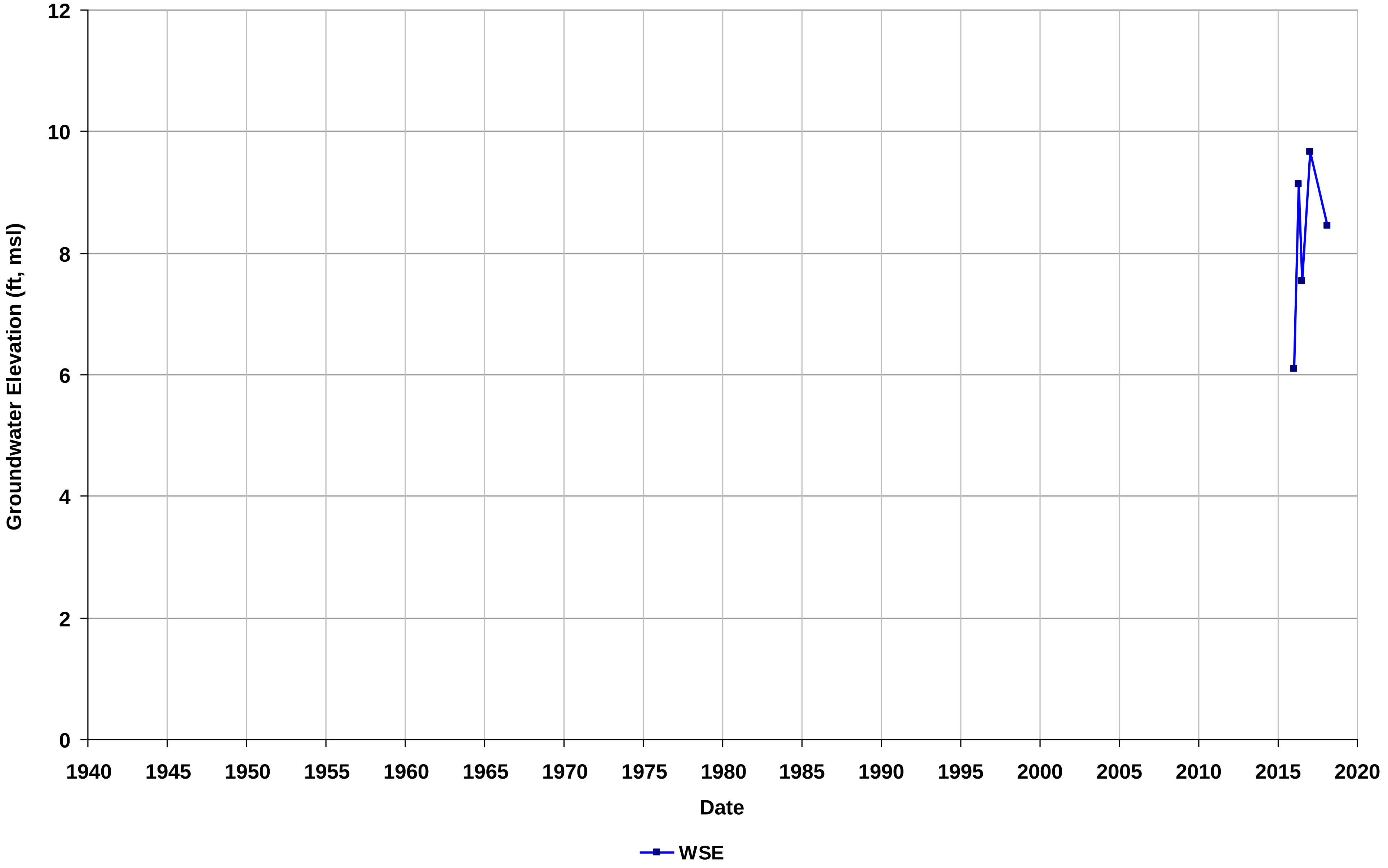
Well Name: T0600100382-NMW-2
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 52
Perf. Interval (ft bgs): 41-51
T/R/S: 04S/01W/18
Well Use: Observation



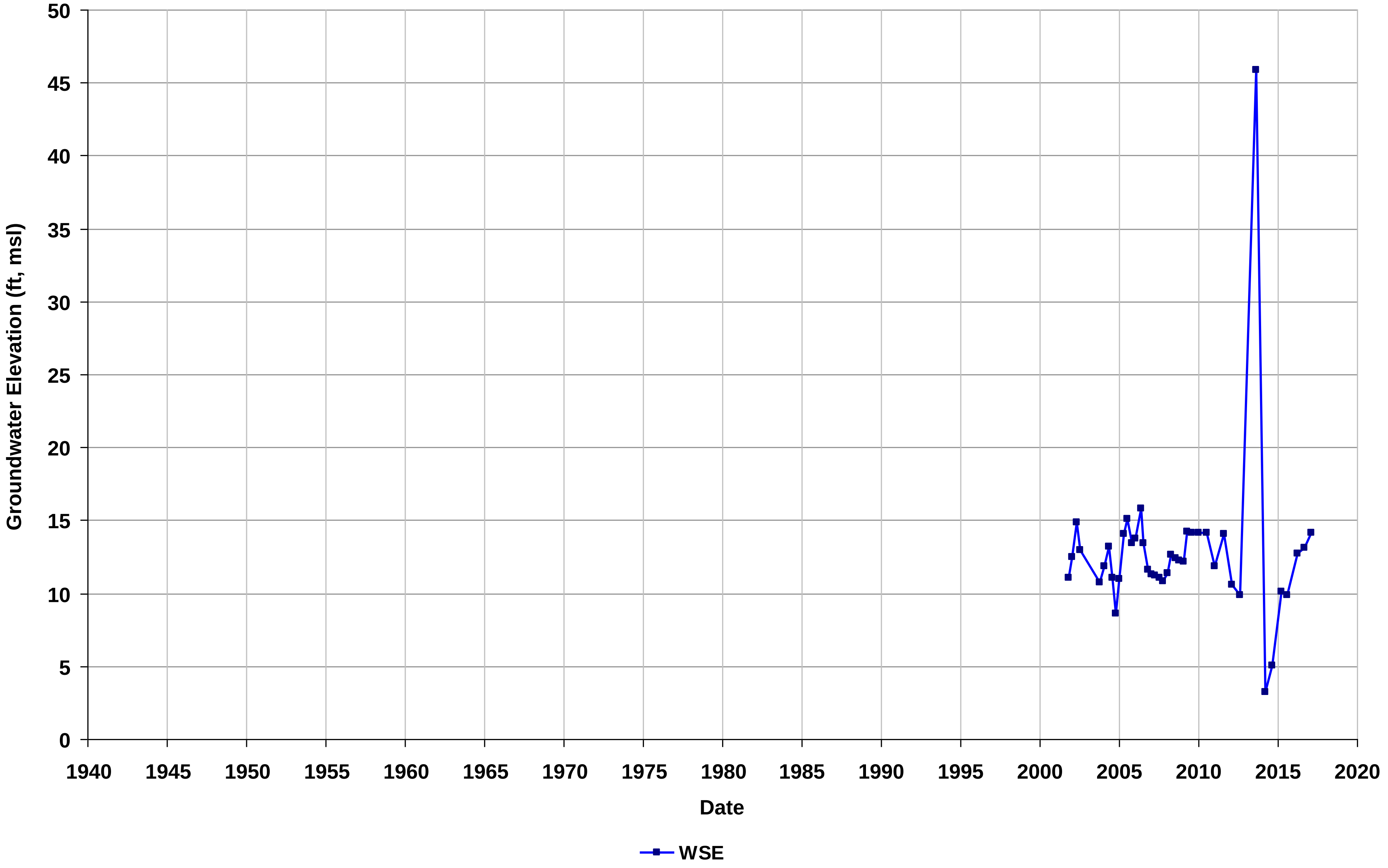
Well Name: T0600100421-MW-22
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 64
Perf. Interval (ft bgs):
T/R/S: 04S/02W/10
Well Use: Observation



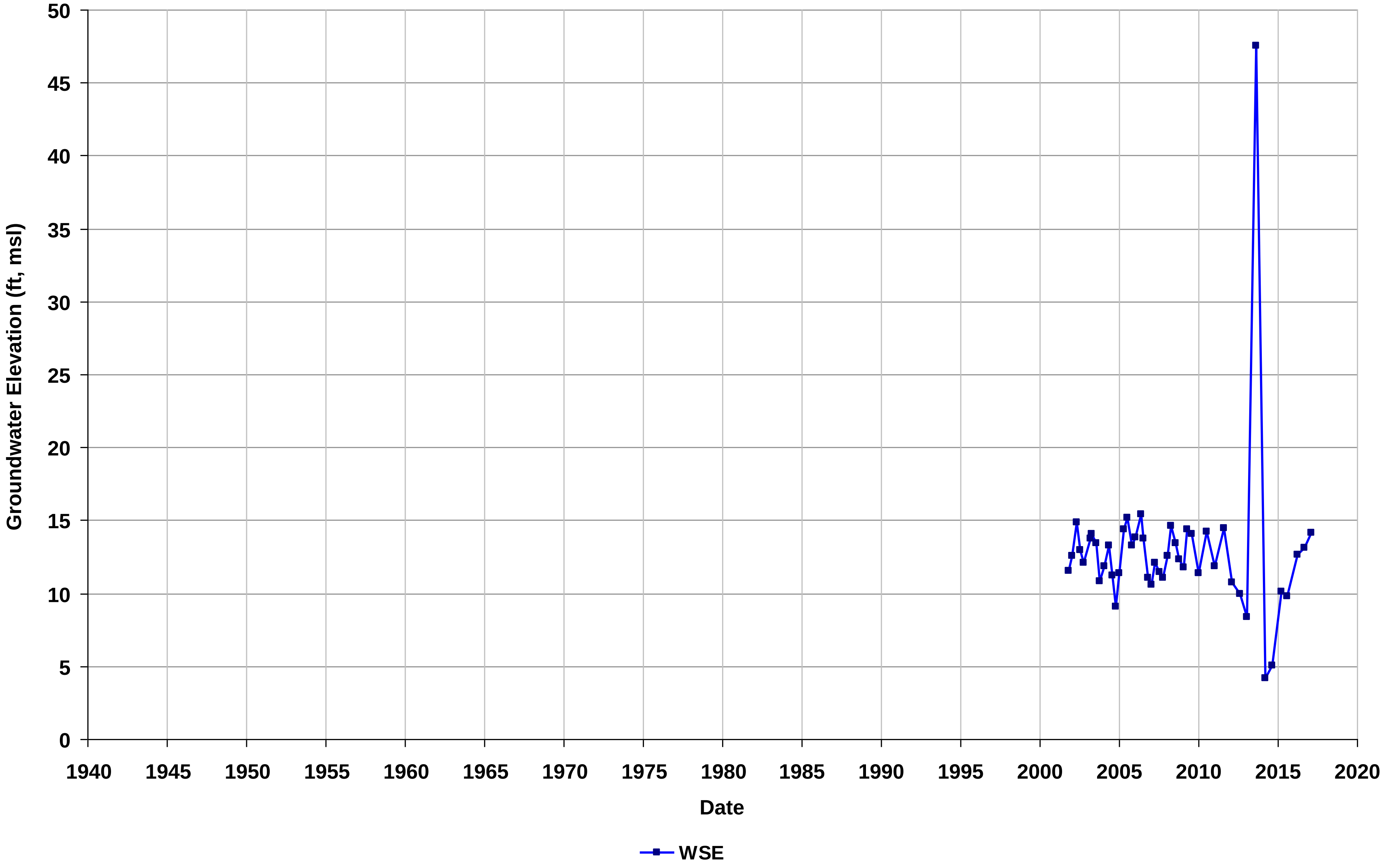
Well Name: T0600100545-RW3
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 39.5-60
T/R/S: n/a
Well Use: Observation



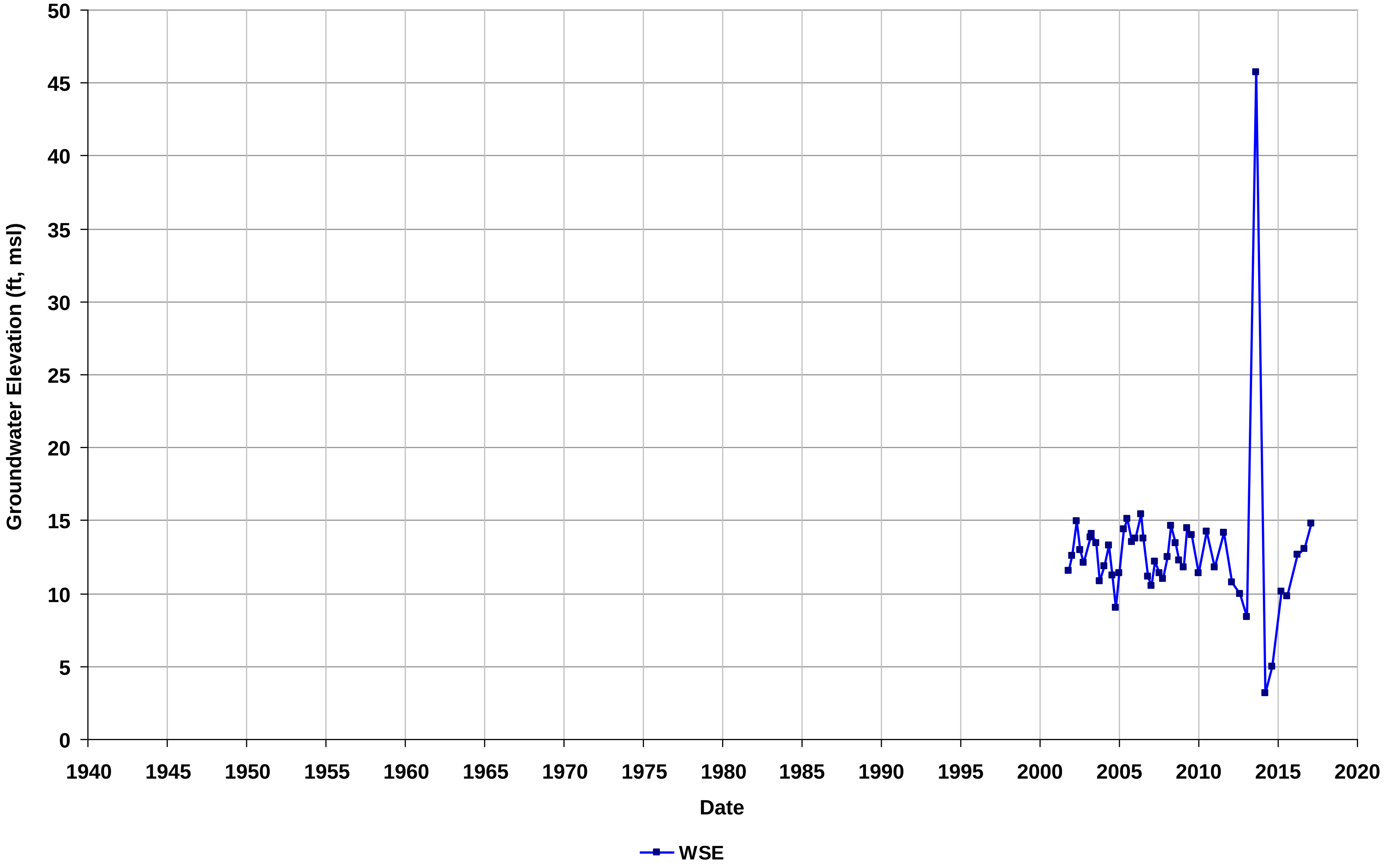
Well Name: T0600100545-W1
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 43-53
T/R/S: n/a
Well Use: Observation



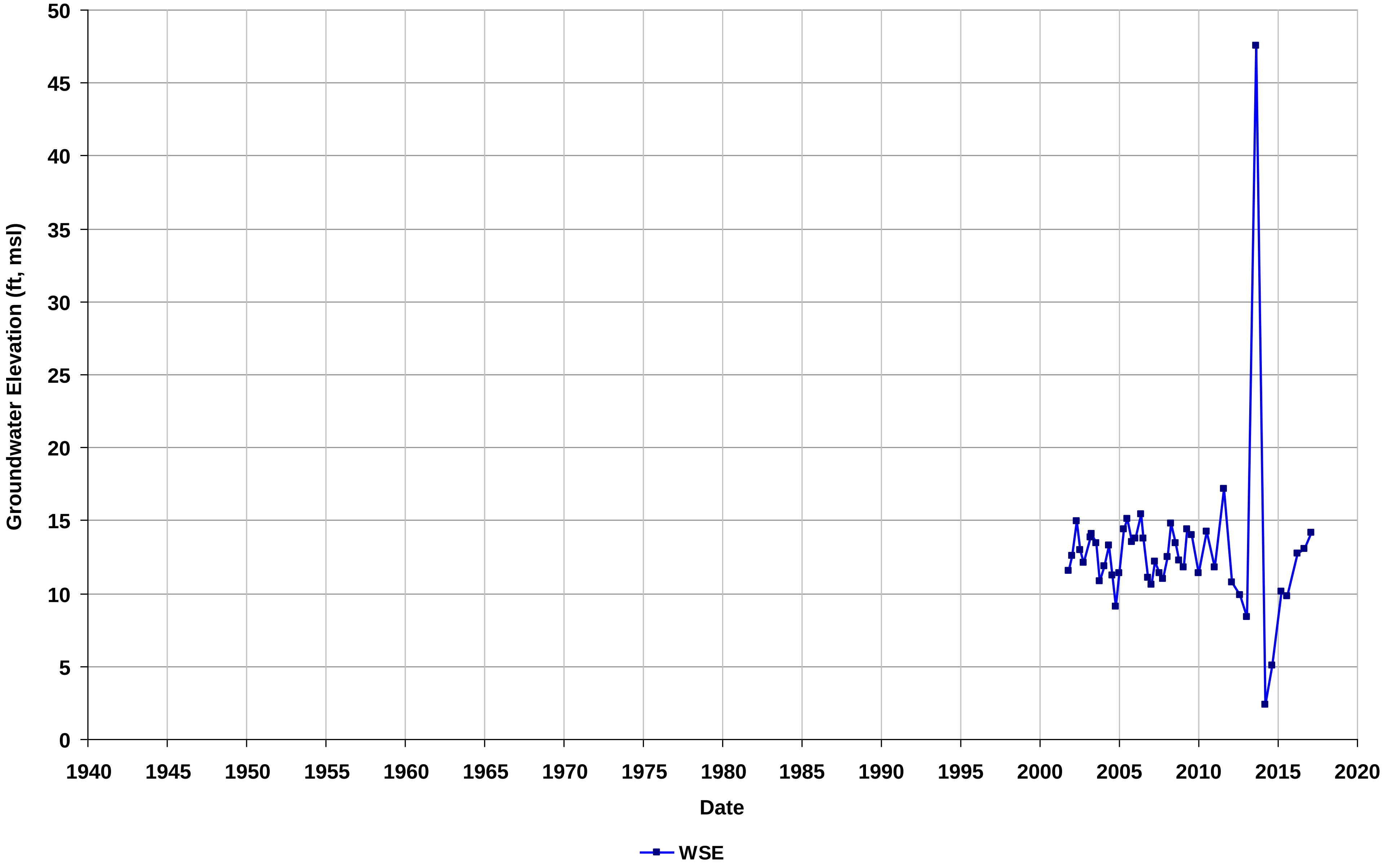
Well Name: T0600100545-W2
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 41-56
T/R/S: n/a
Well Use: Observation



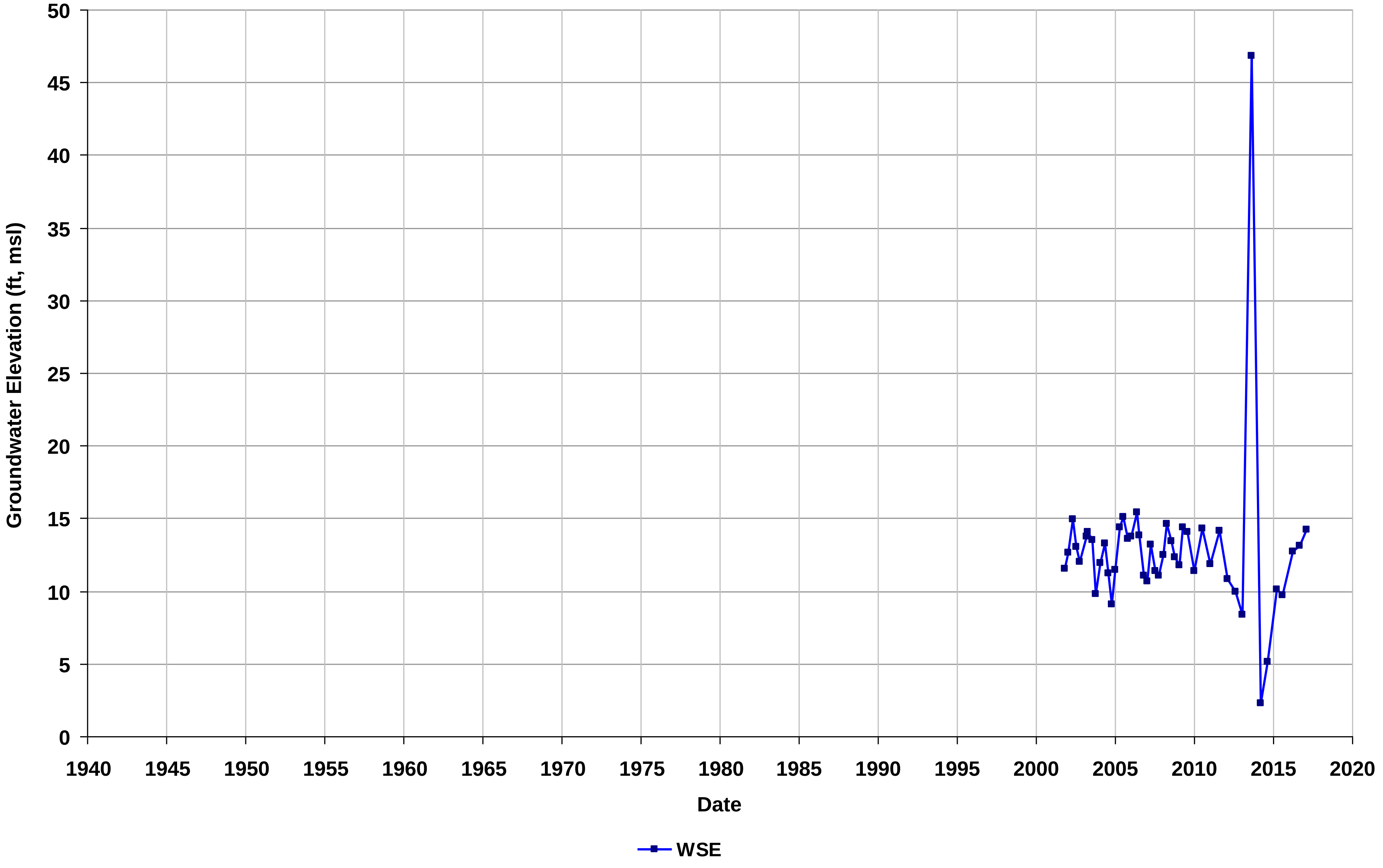
Well Name: T0600100545-W4
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 41.5-52
T/R/S: n/a
Well Use: Observation



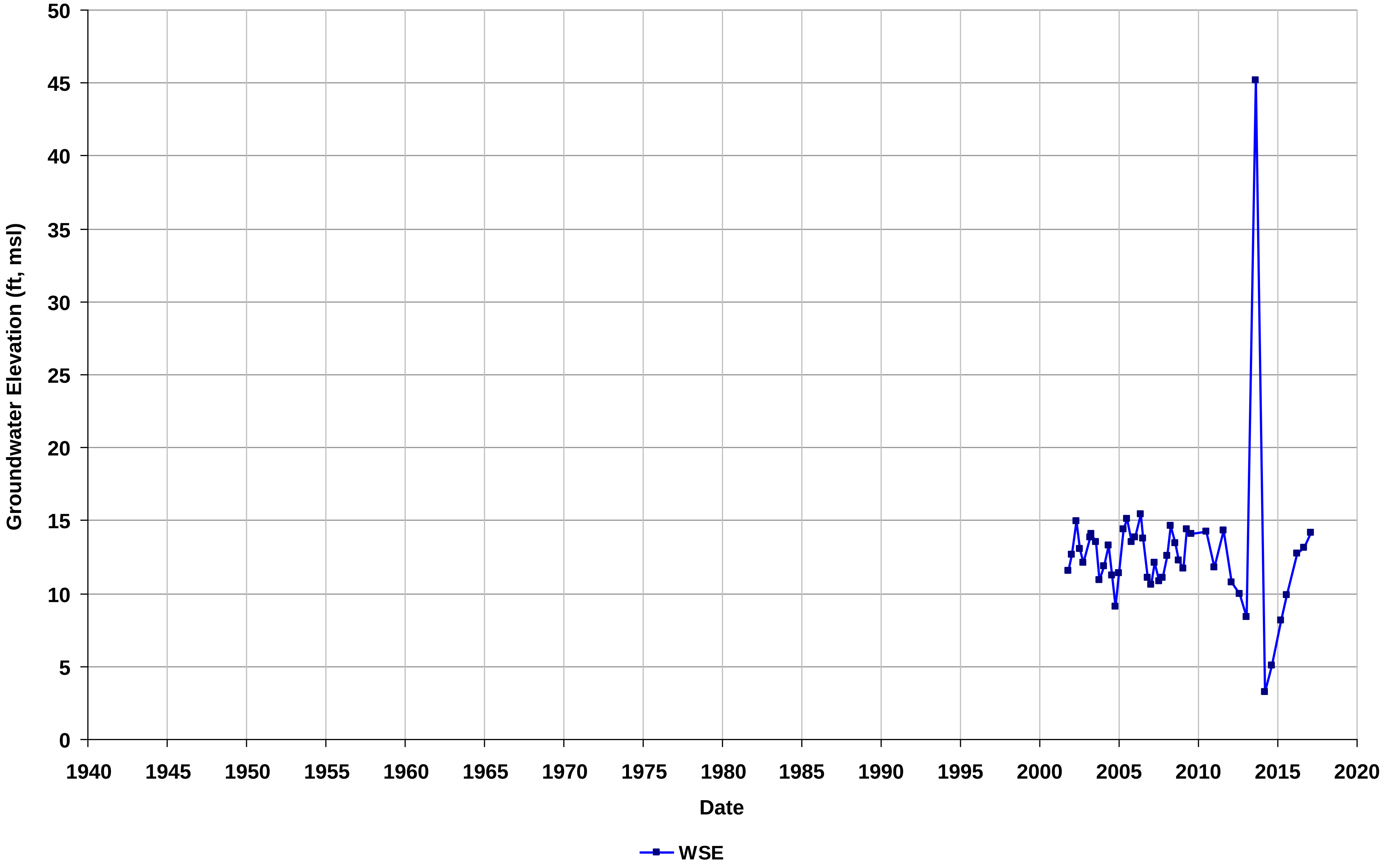
Well Name: T0600100545-W5
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 40-60
T/R/S: n/a
Well Use: Observation



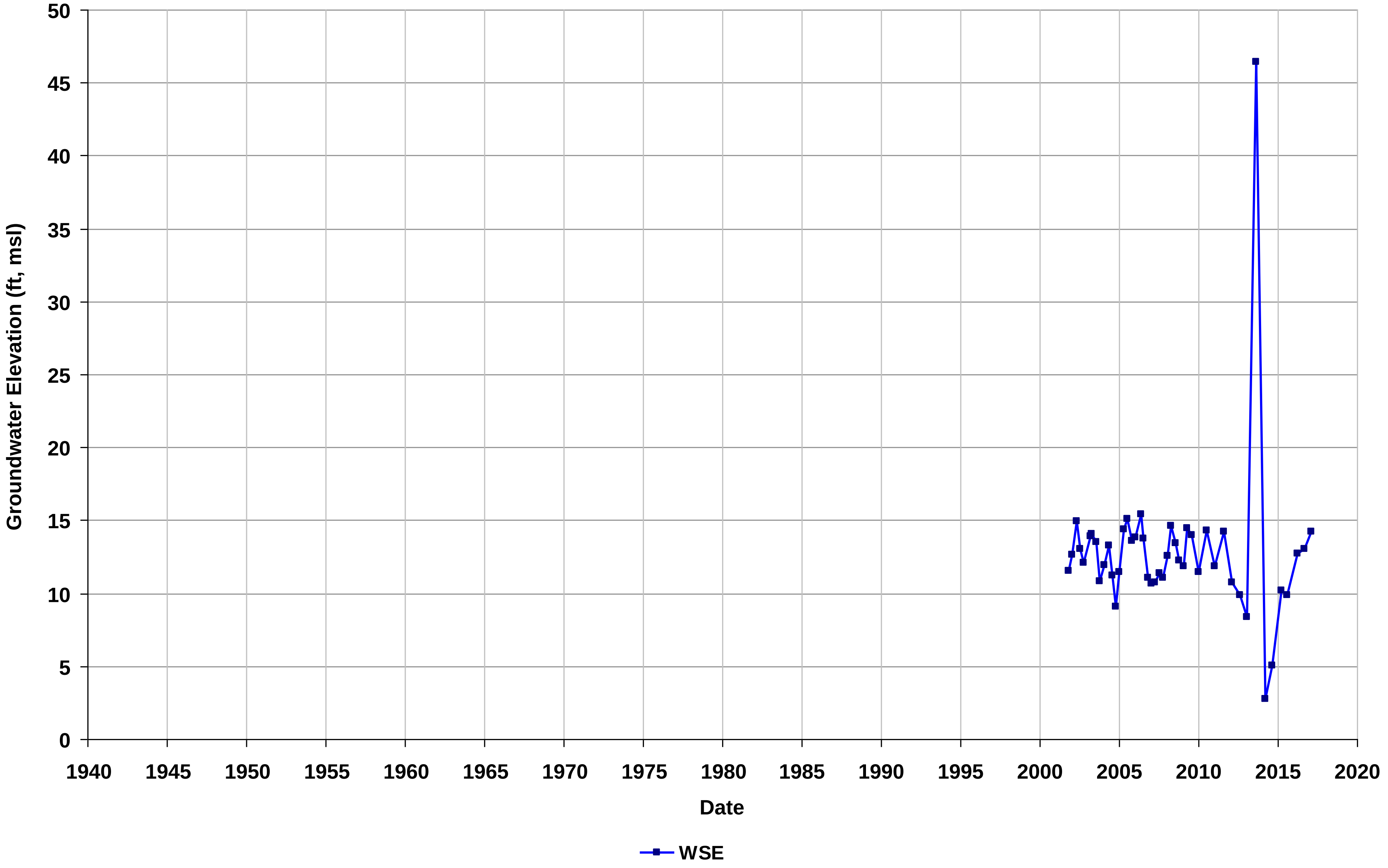
Well Name: T0600100545-W6
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 41-60
T/R/S: n/a
Well Use: Observation



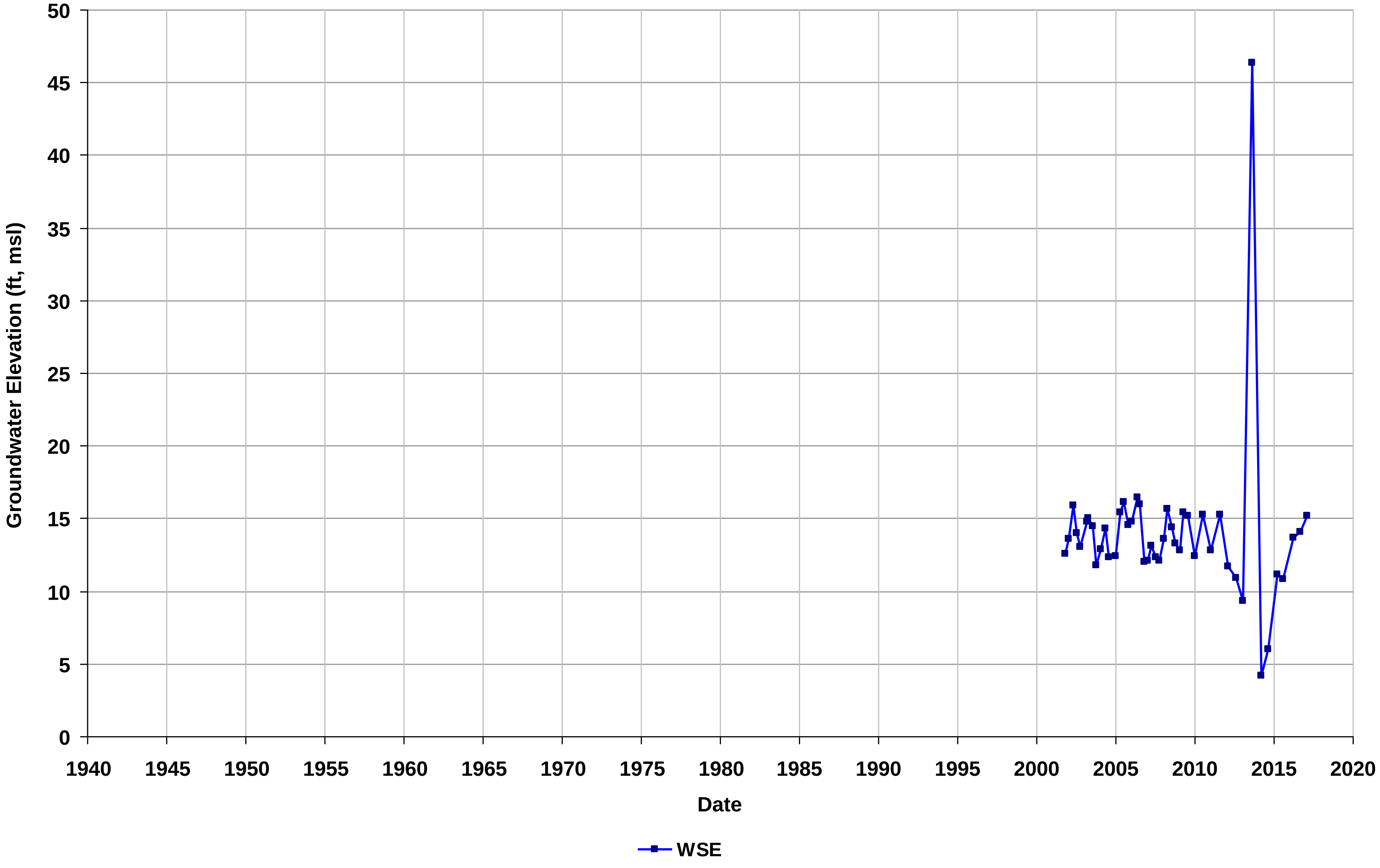
Well Name: T0600100545-W7
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 40-60
T/R/S: n/a
Well Use: Observation



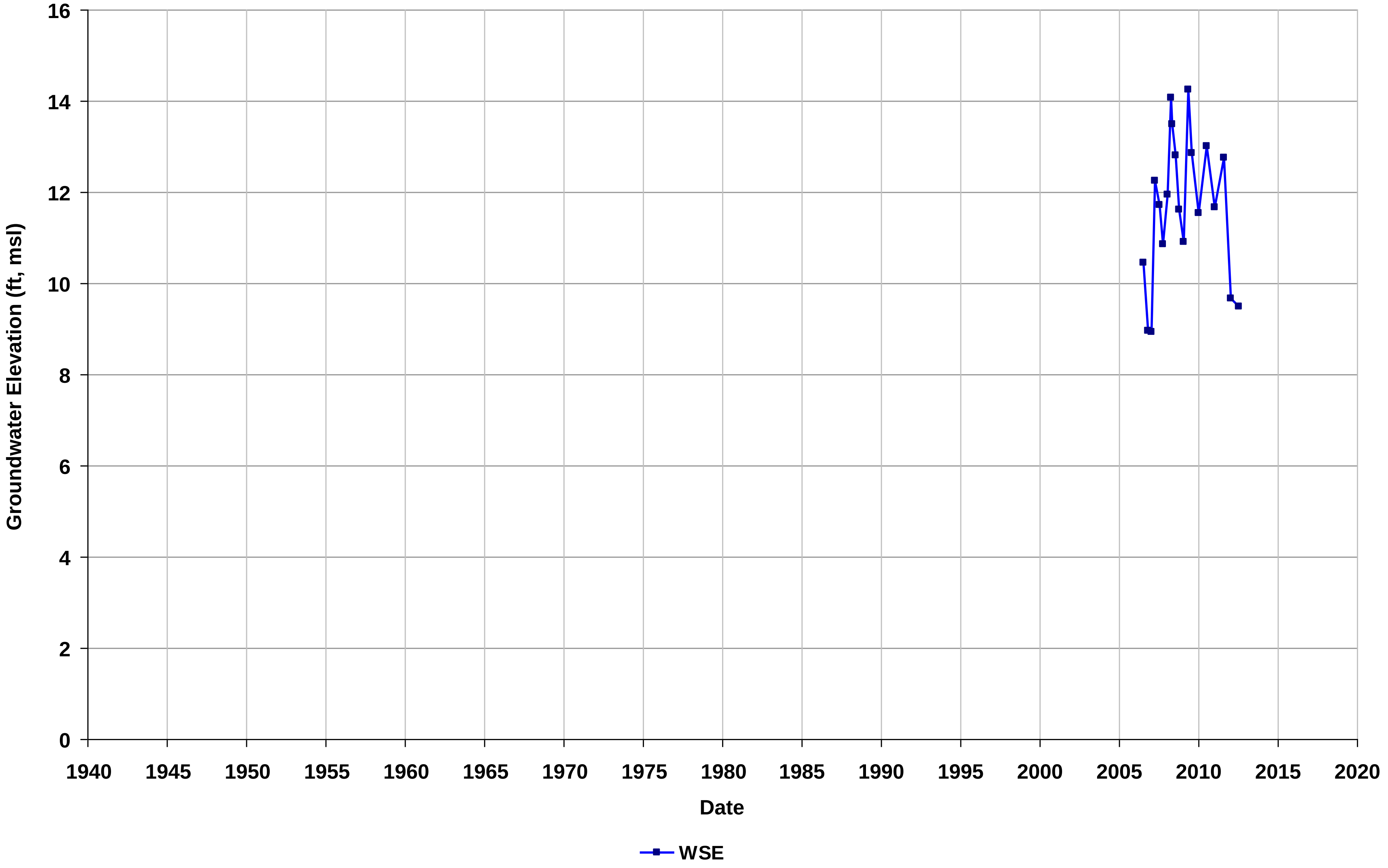
Well Name: T0600100545-W8
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 40-54
T/R/S: n/a
Well Use: Observation



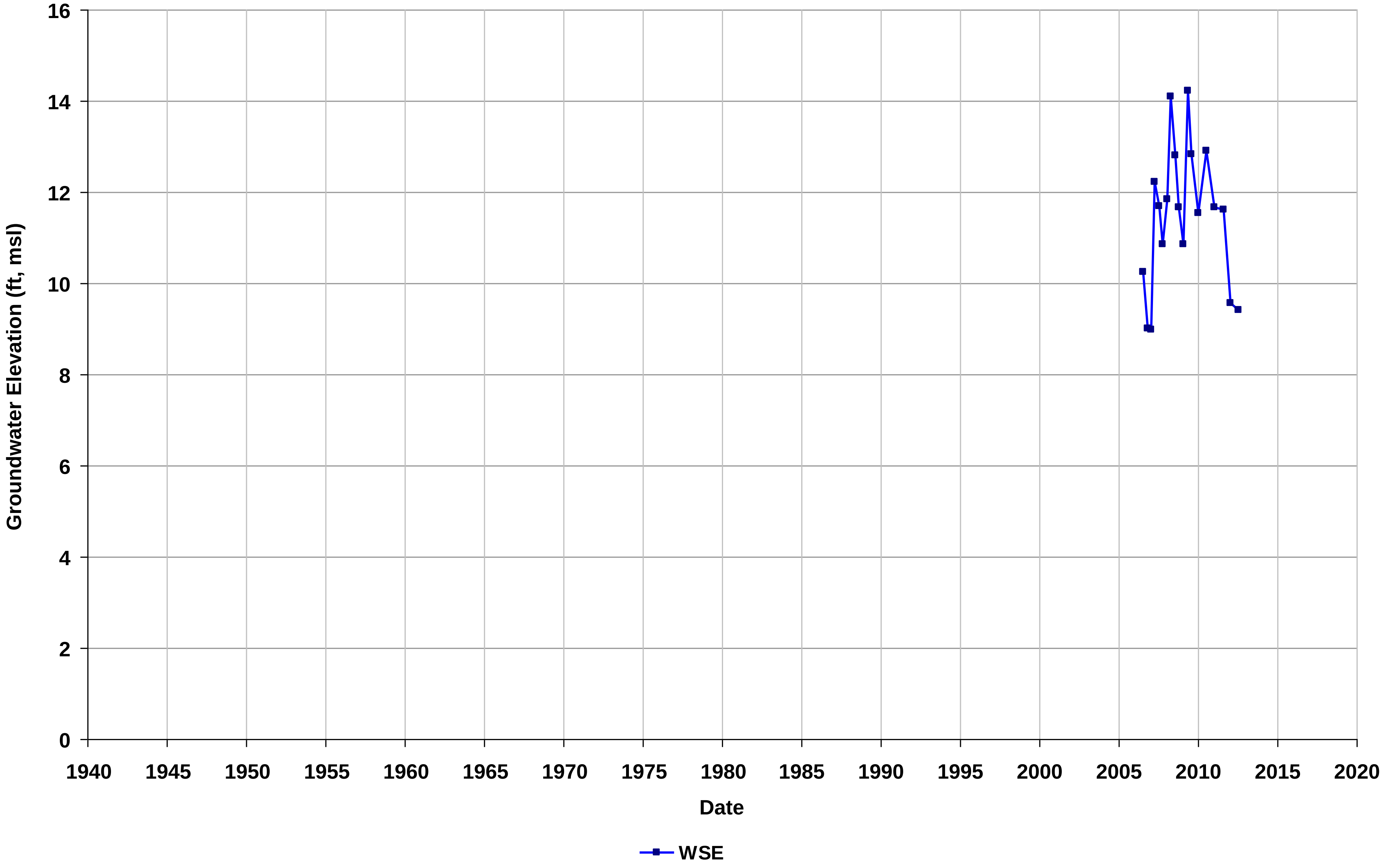
Well Name: T0600100549-MW17
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 43-58
T/R/S: n/a
Well Use: Observation



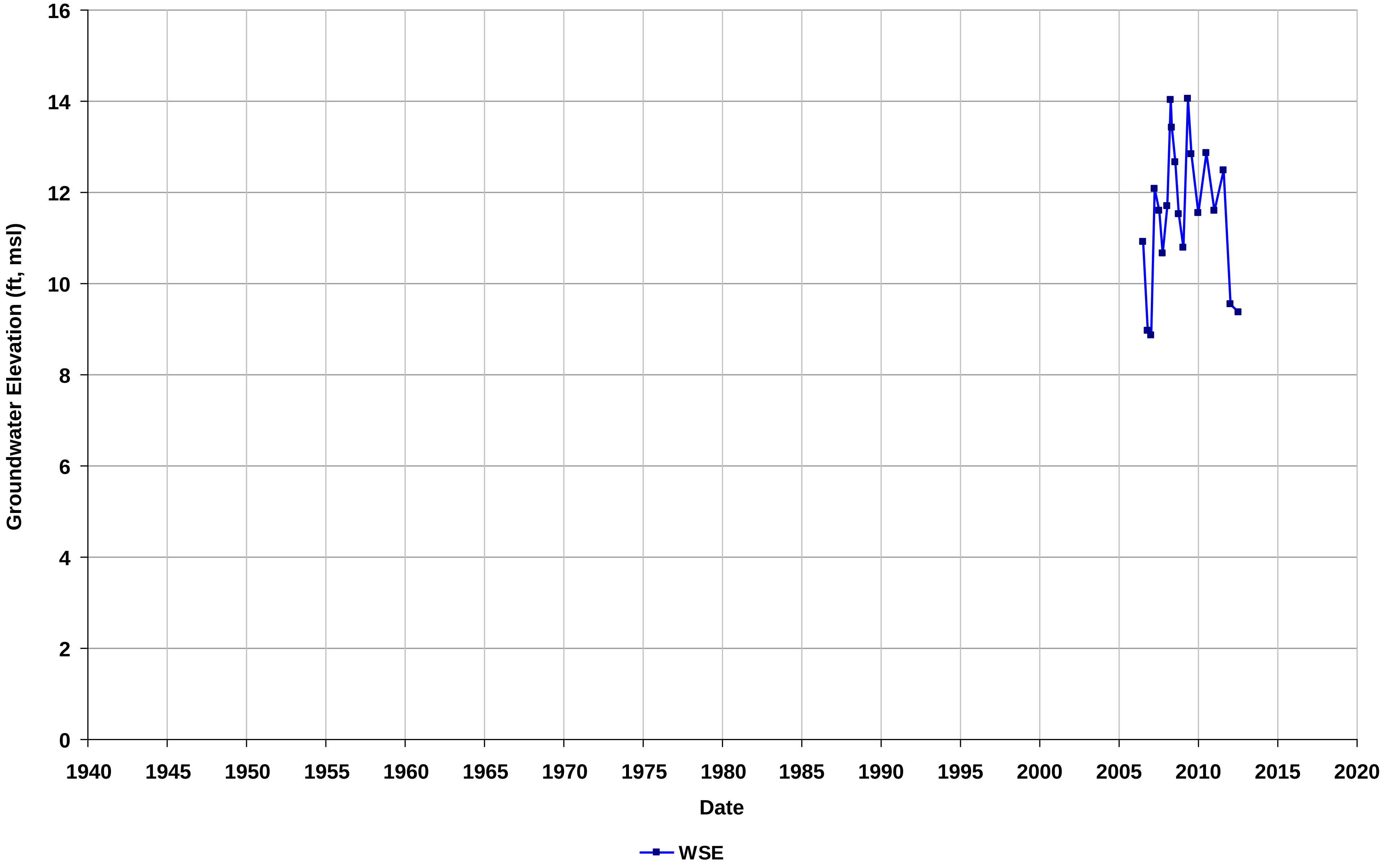
Well Name: T0600100549-MW18
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 50-65
T/R/S: n/a
Well Use: Observation



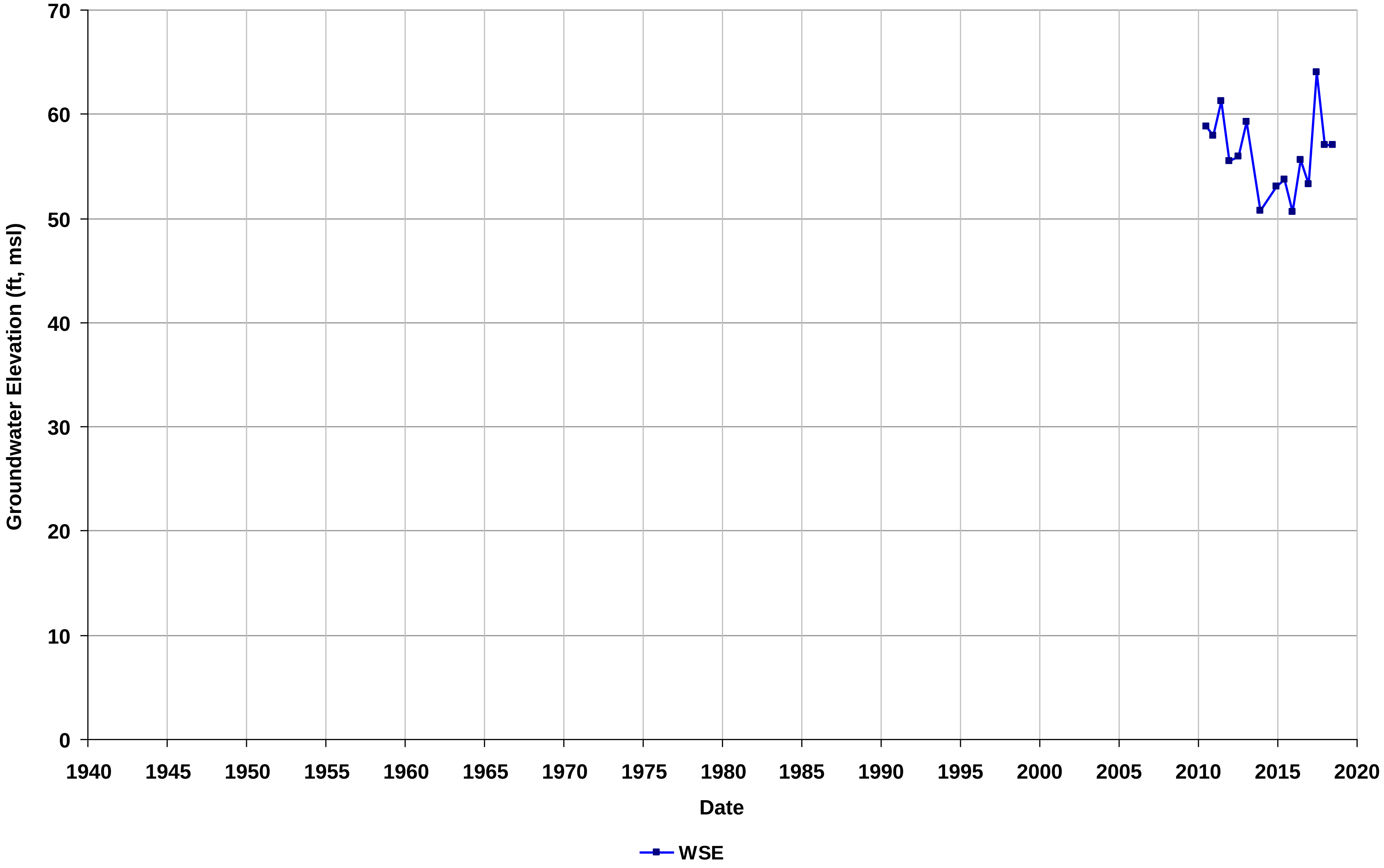
Well Name: T0600100549-MW19
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 43-58
T/R/S: n/a
Well Use: Observation



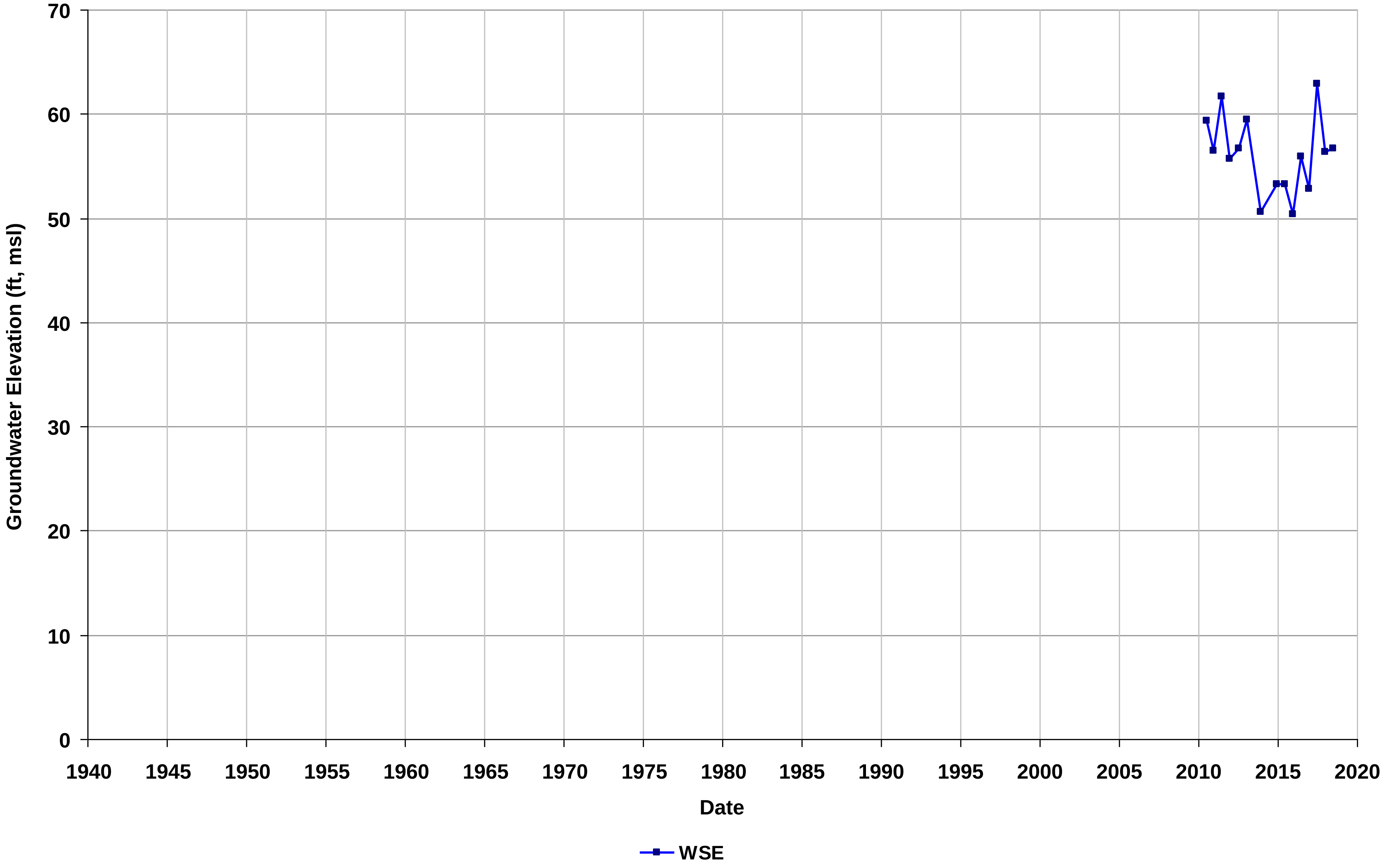
Well Name: T0600100685-MW-10
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 35-55
T/R/S: 03S/02W/22
Well Use: Observation



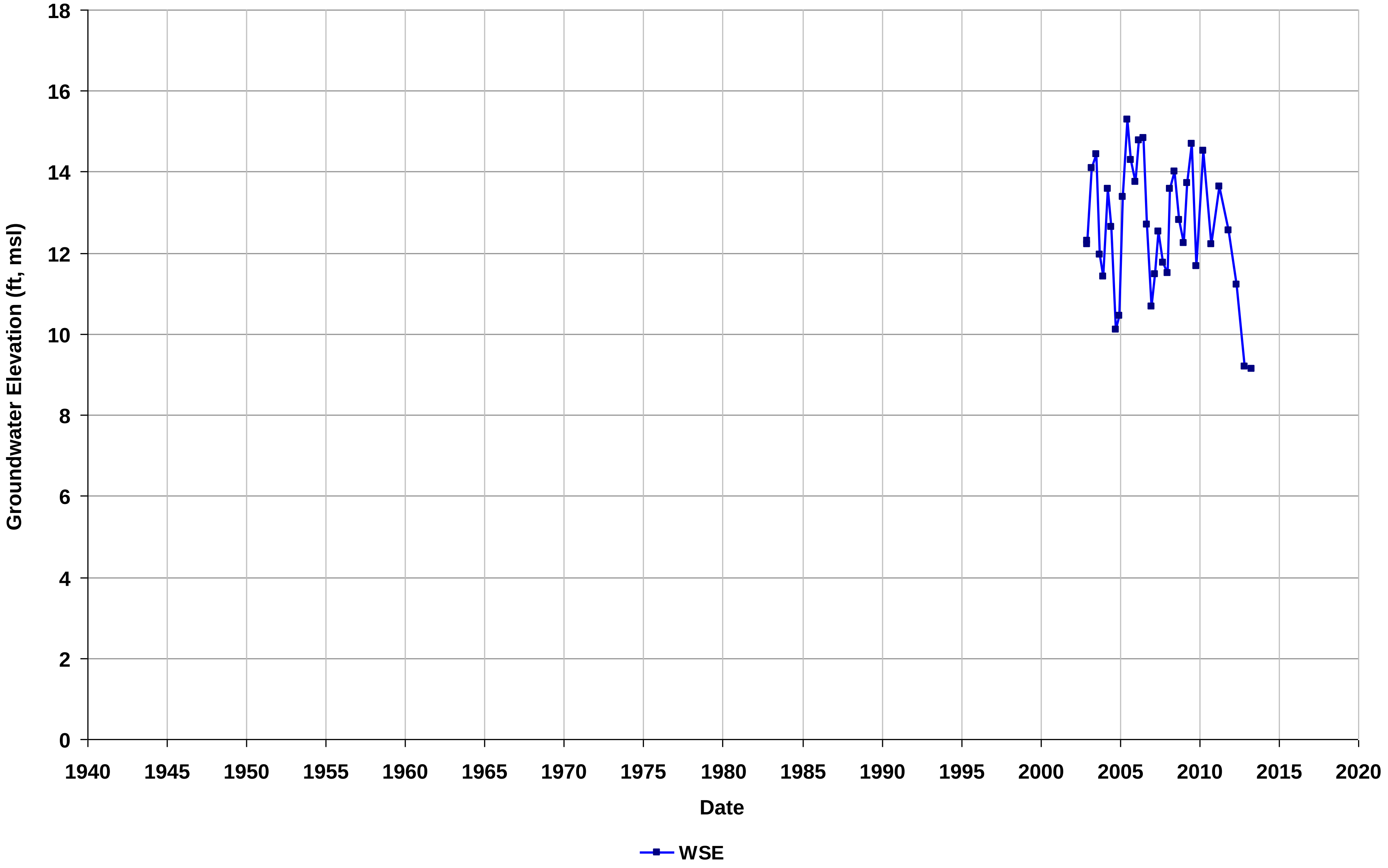
Well Name: T0600100685-MW-11
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 35-55
T/R/S: 03S/02W/22
Well Use: Observation



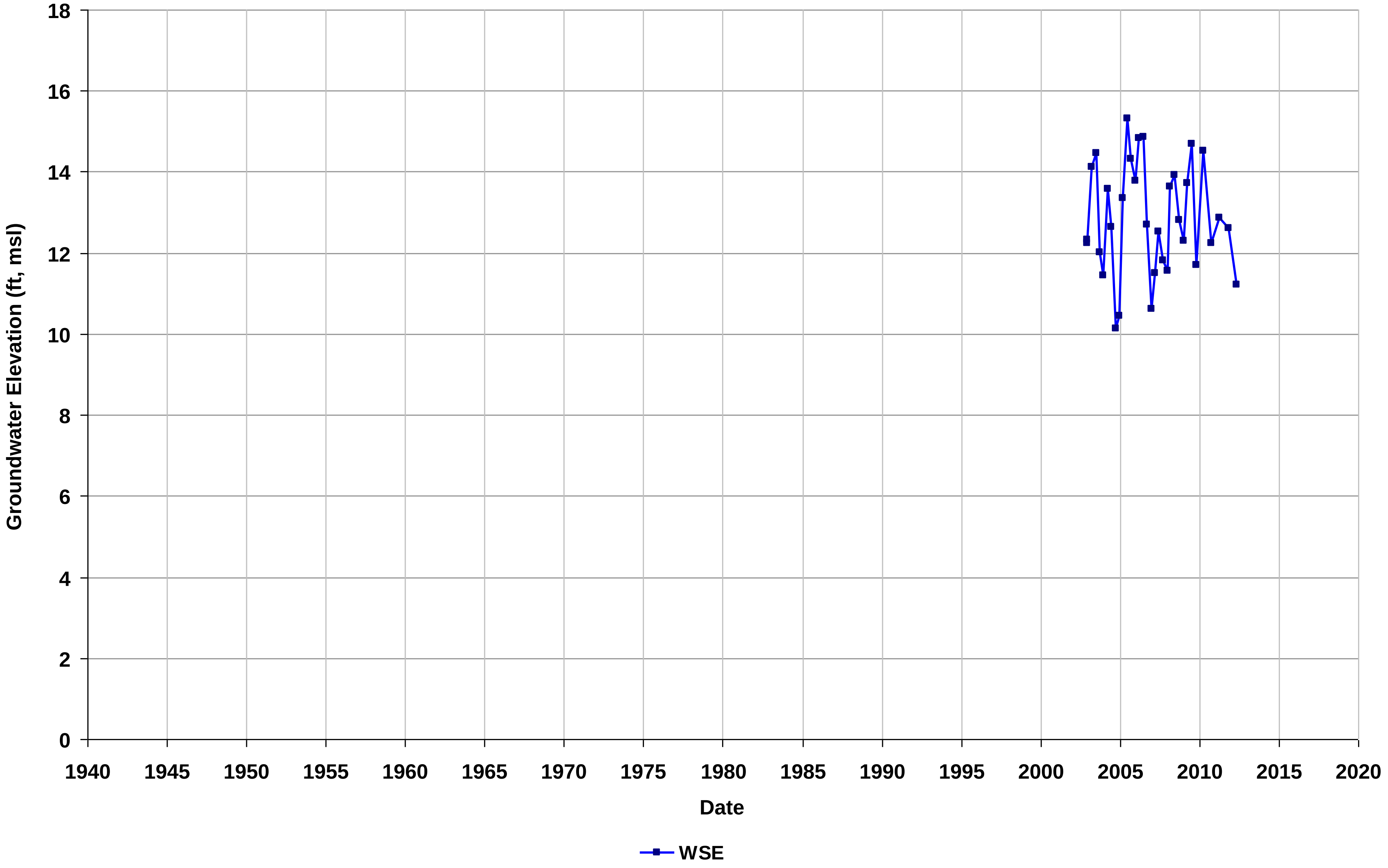
Well Name: T0600100780-MW-11
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 62
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



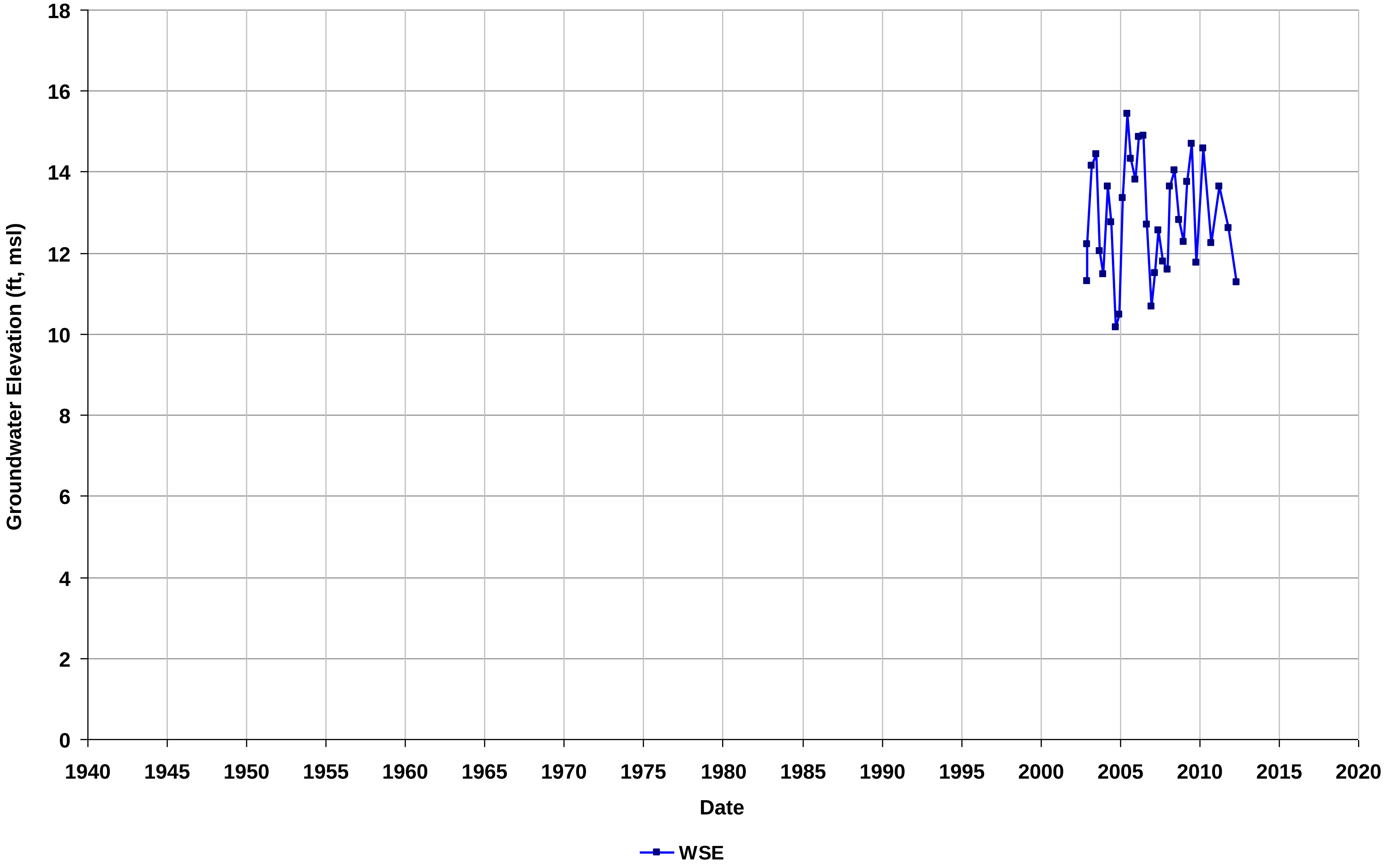
Well Name: T0600100780-MW-12
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 61
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



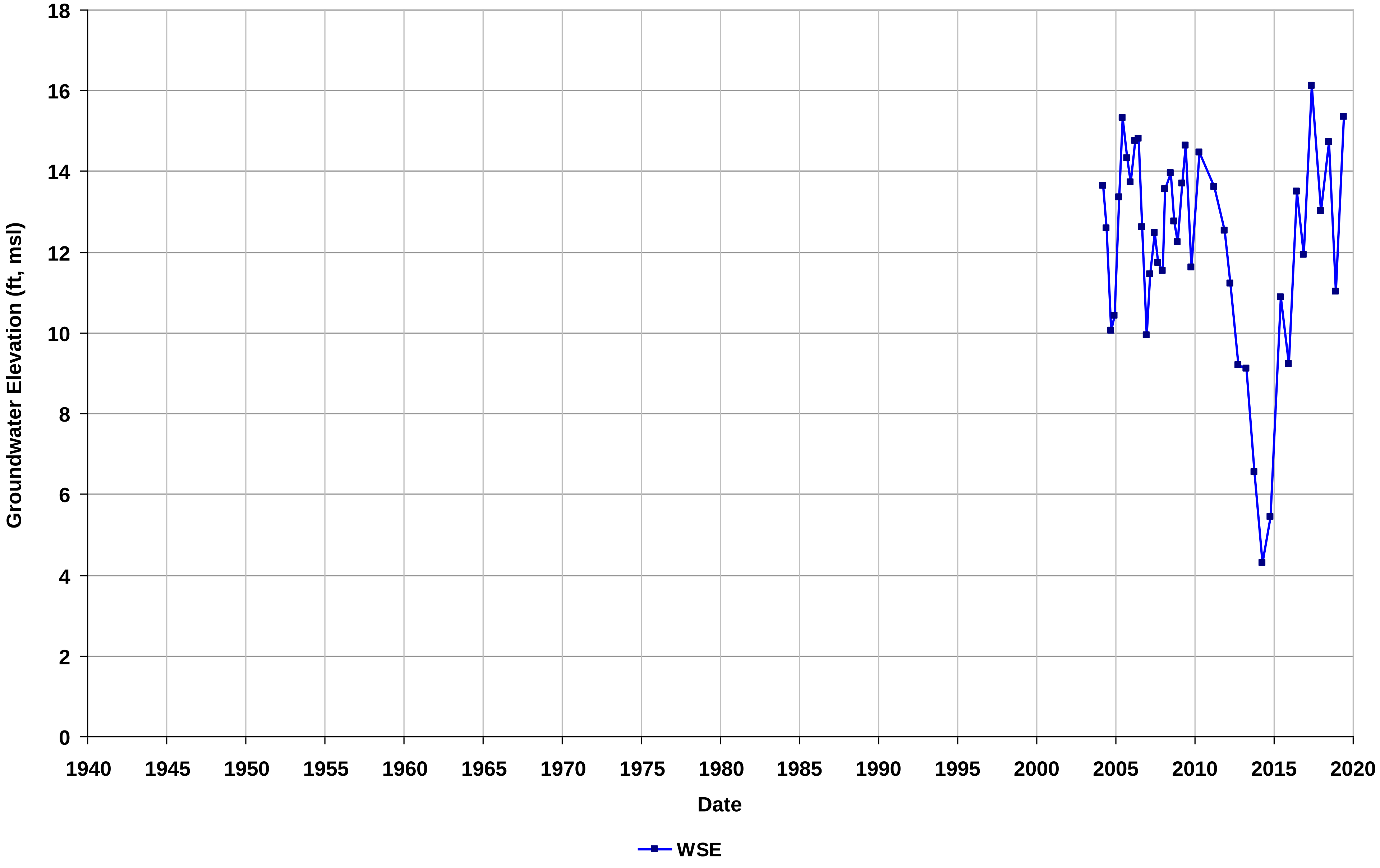
Well Name: T0600100780-MW-13
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 60
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



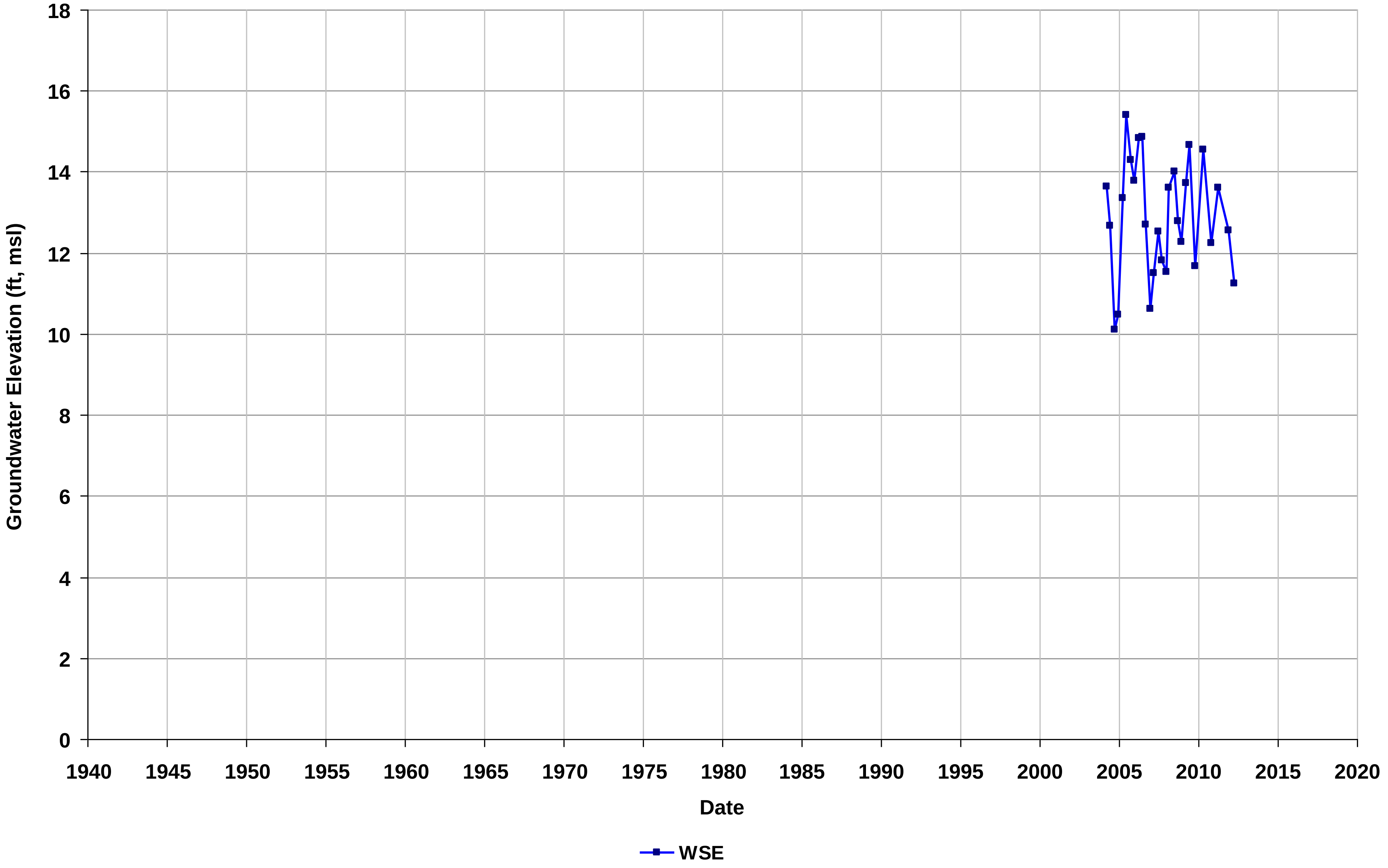
Well Name: T0600100780-MW-14
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 58
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



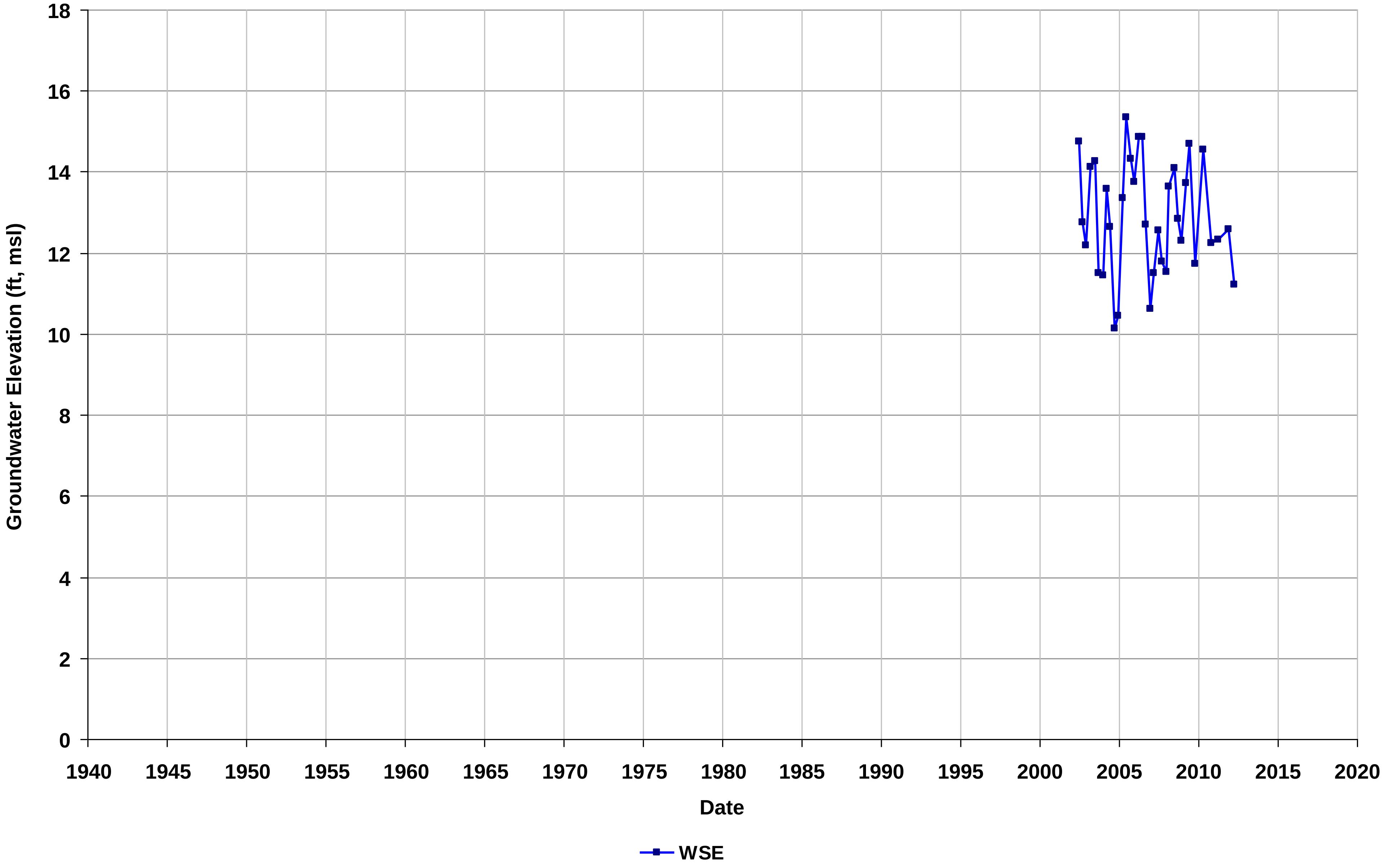
Well Name: T0600100780-MW-15
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 59
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



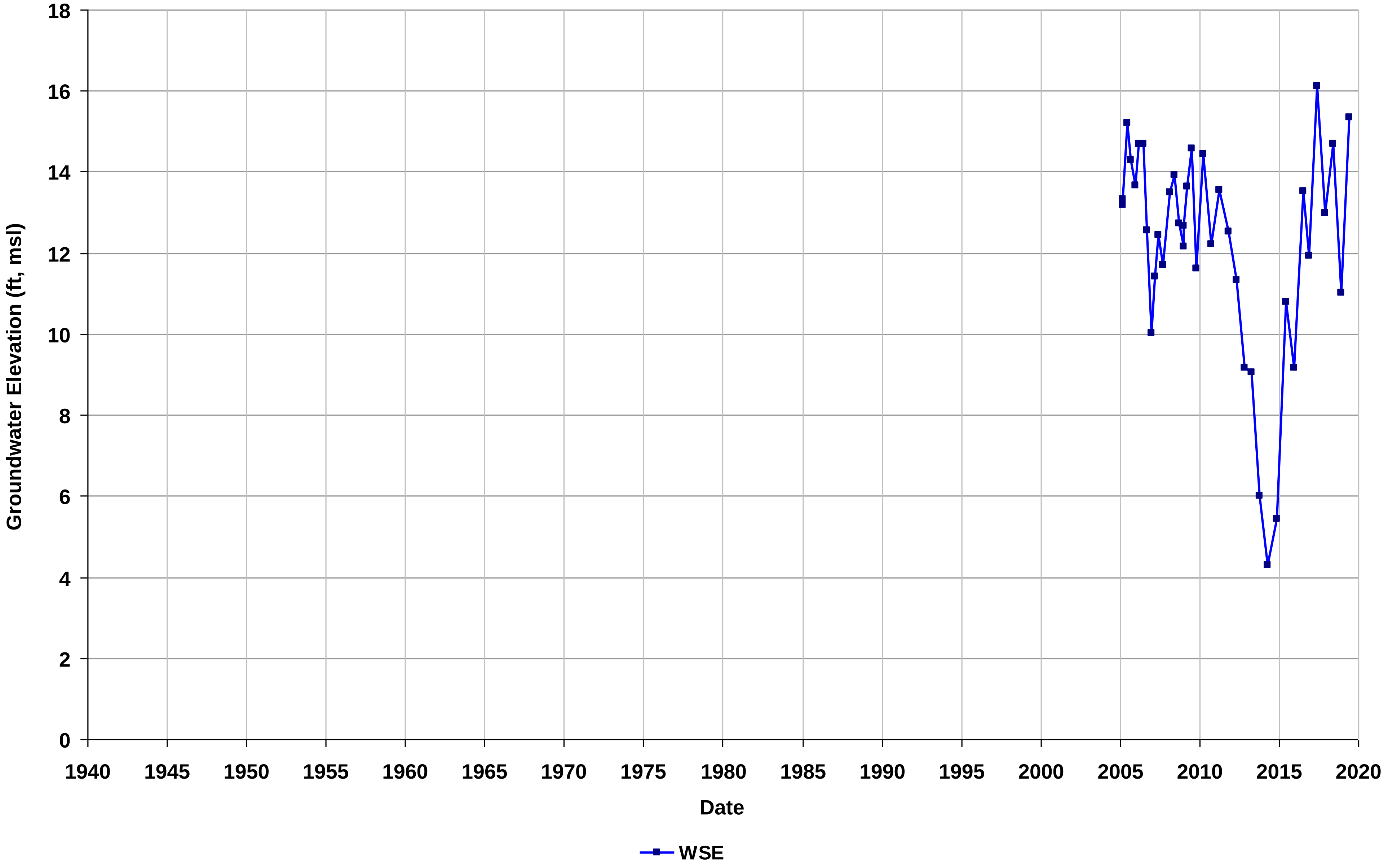
Well Name: T0600100780-MW-2
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 55
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



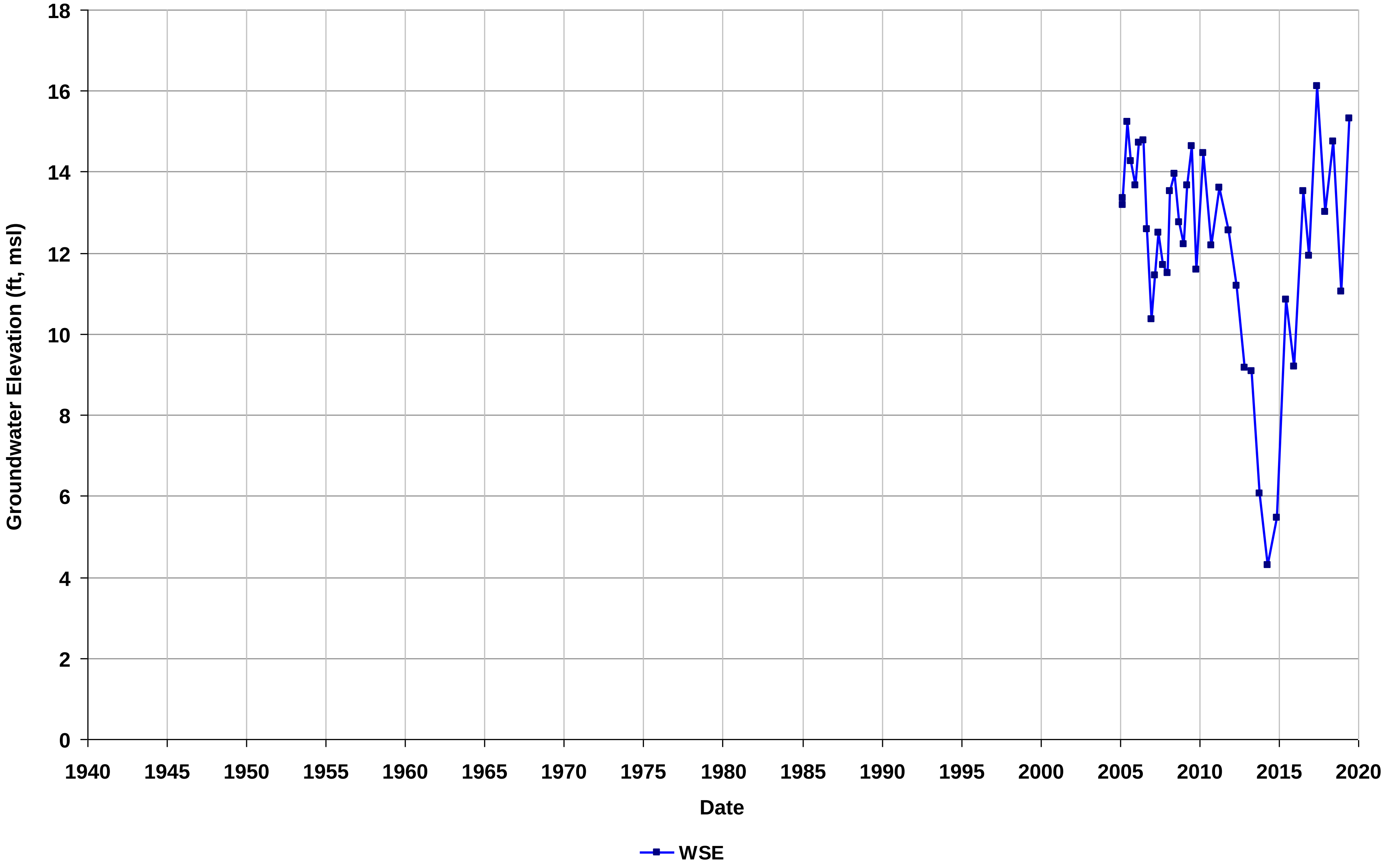
Well Name: T0600100780-MW-20
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 58
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



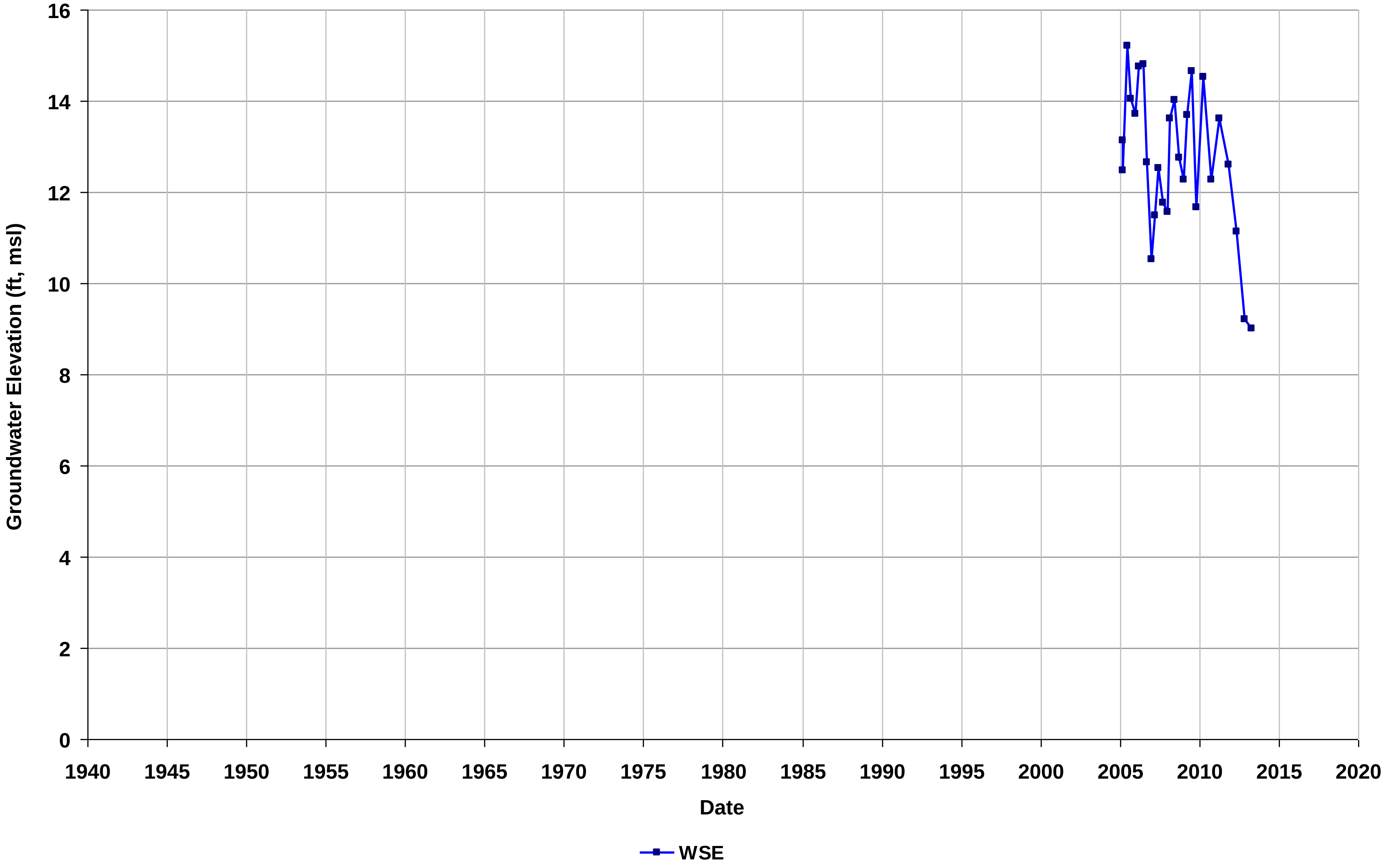
Well Name: T0600100780-MW-21
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 59
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



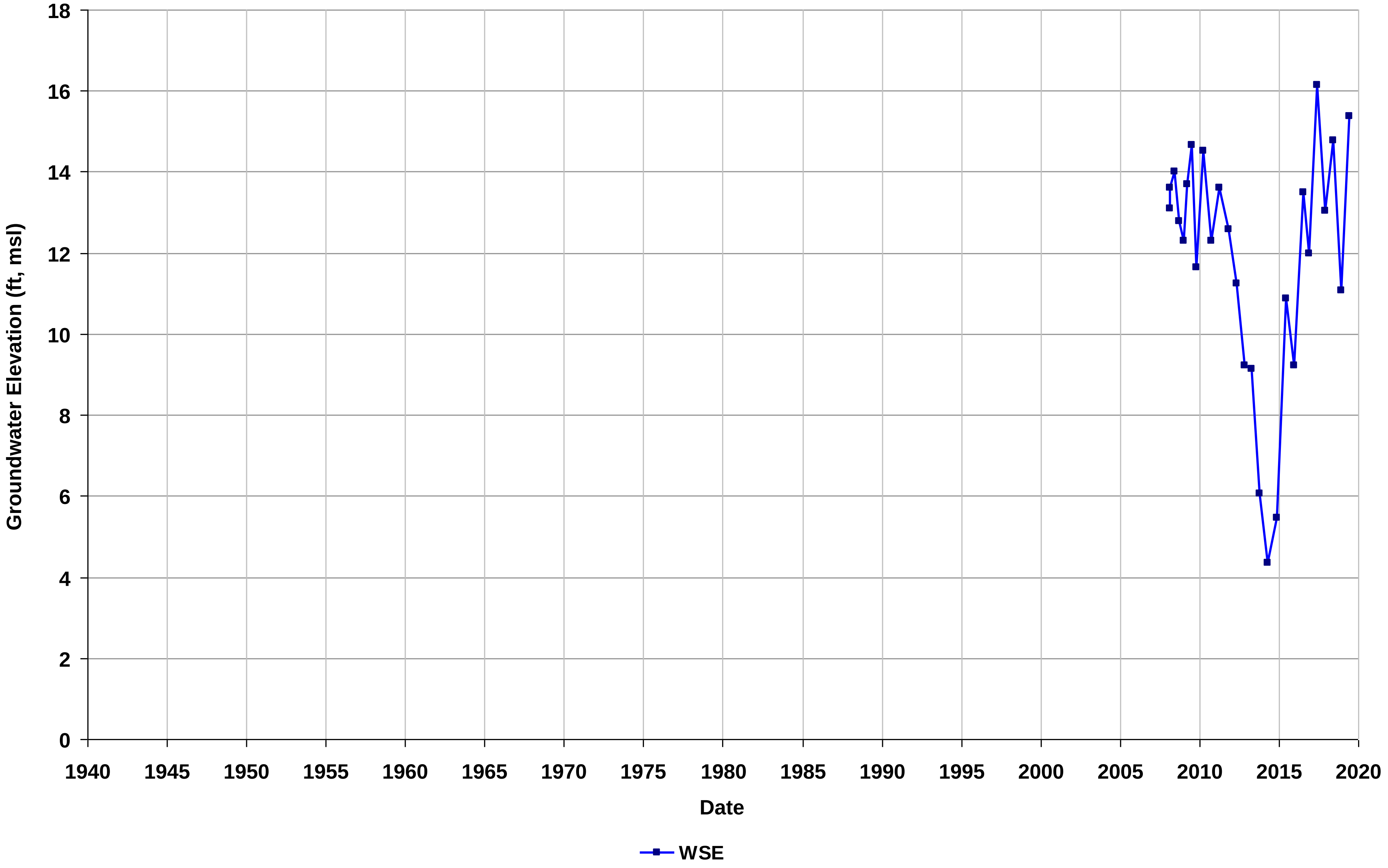
Well Name: T0600100780-MW-22
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 57
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



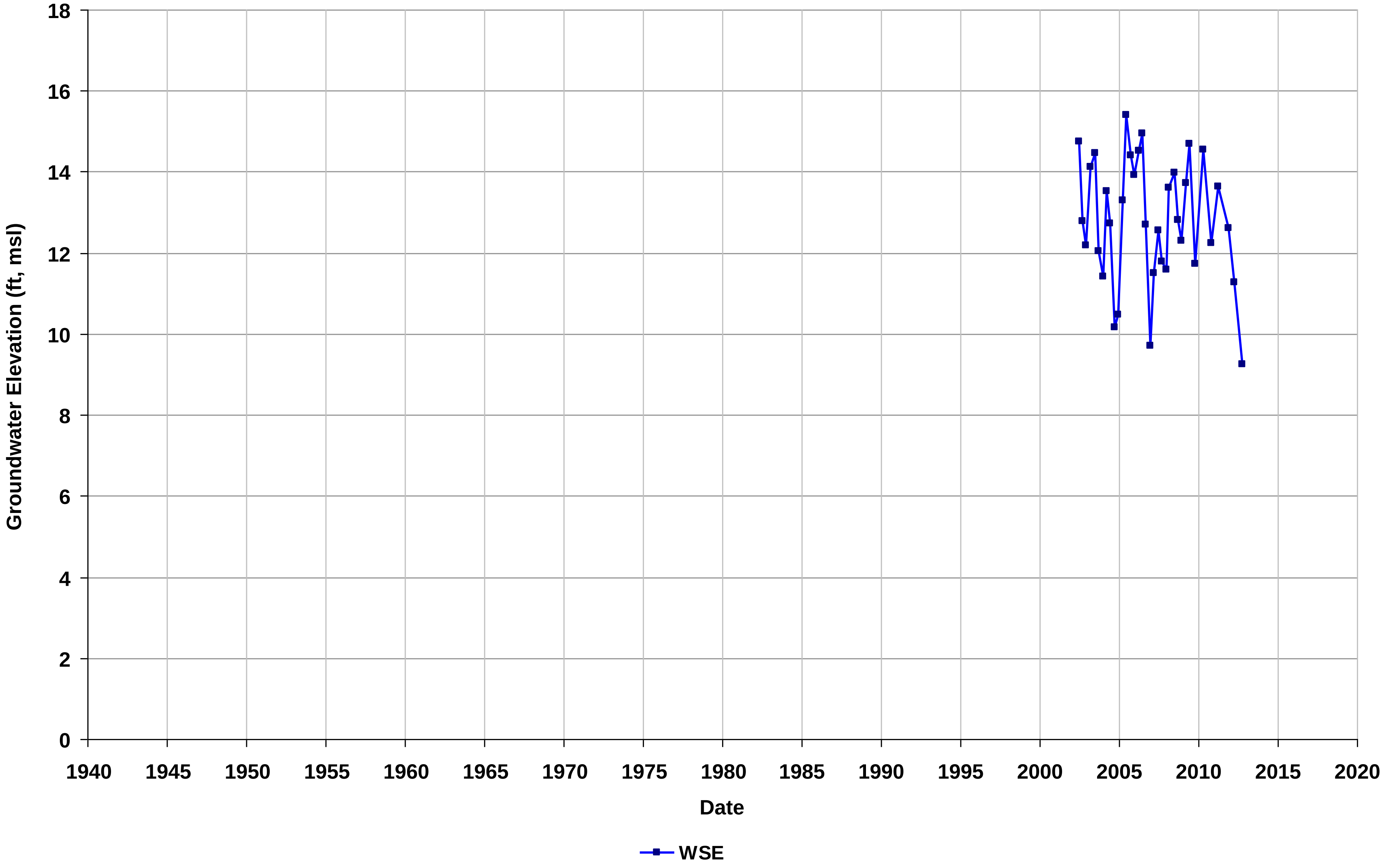
Well Name: T0600100780-MW-24
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 59
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



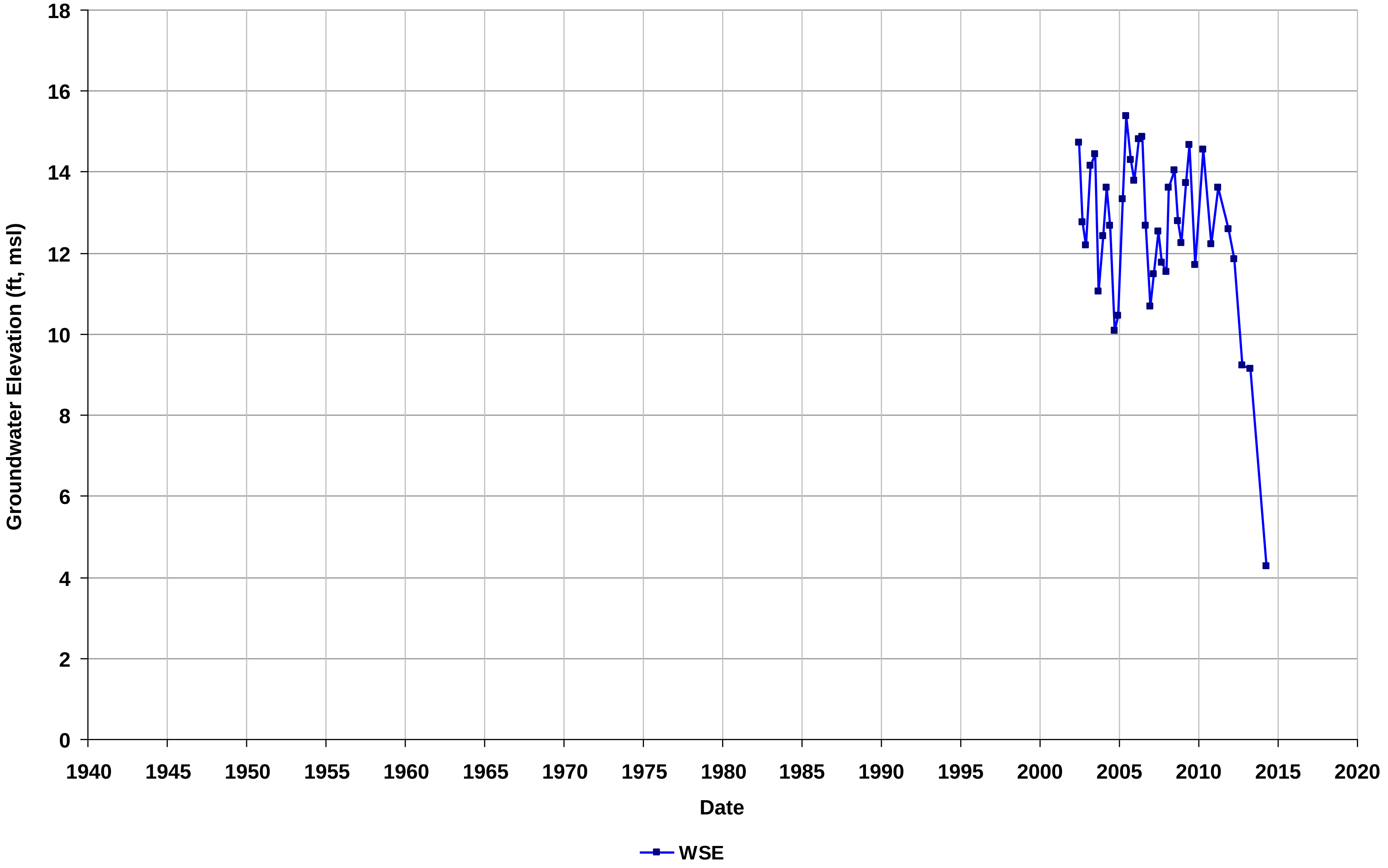
Well Name: T0600100780-MW-3
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 50
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



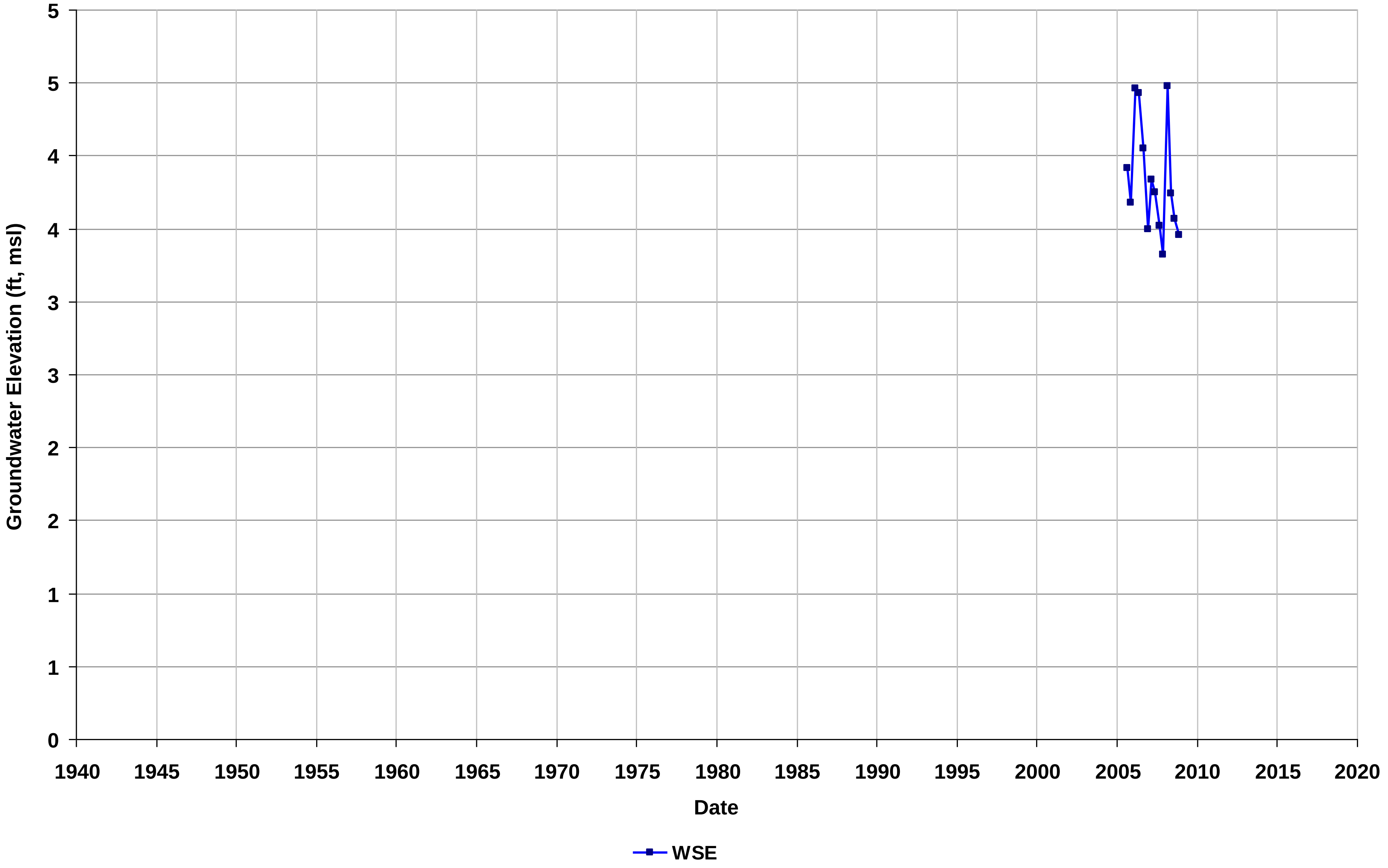
Well Name: T0600100780-MW-4
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 53
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



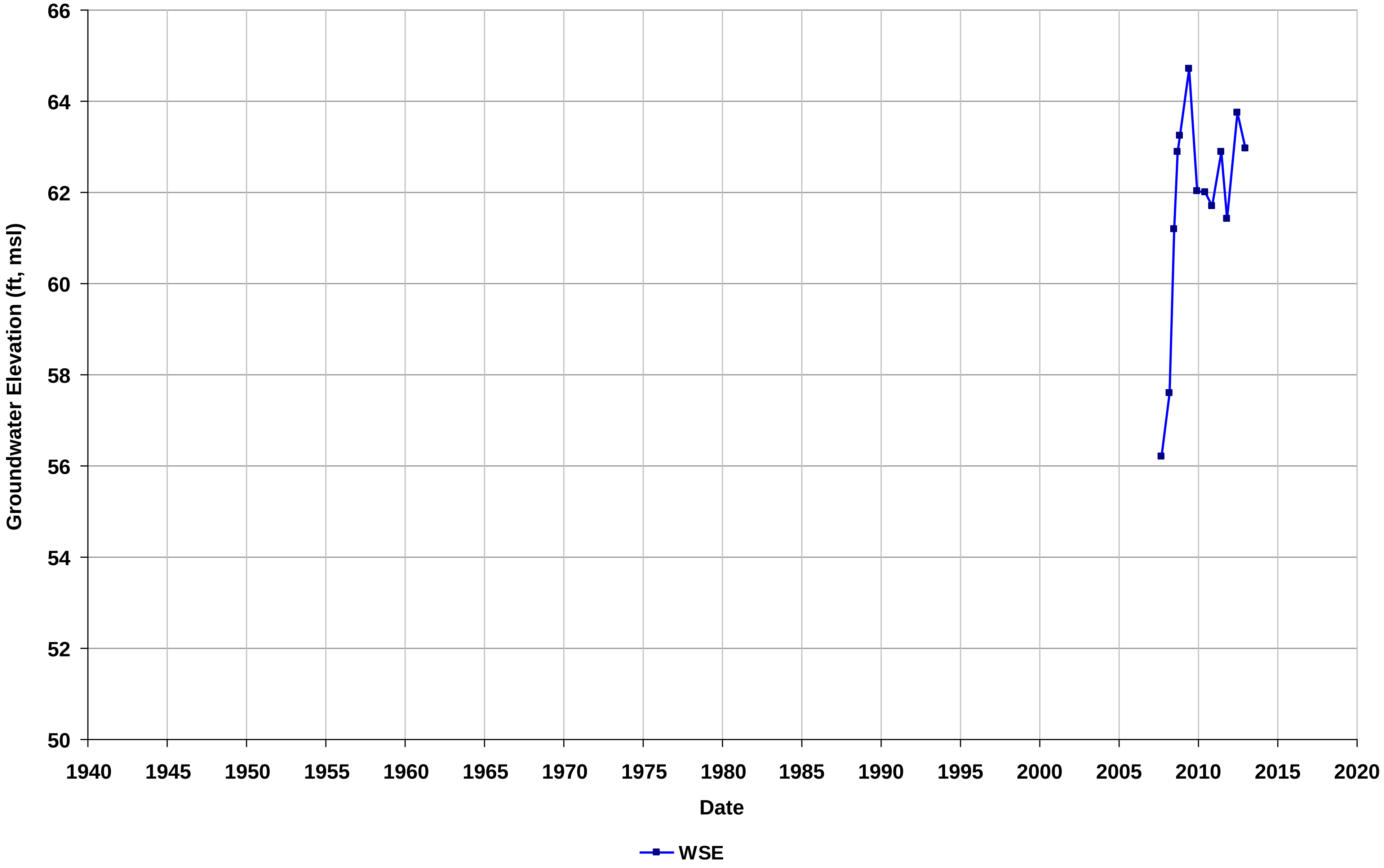
Well Name: T0600100905-MW-17
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 49-59
T/R/S: 04S/02W/09
Well Use: Observation



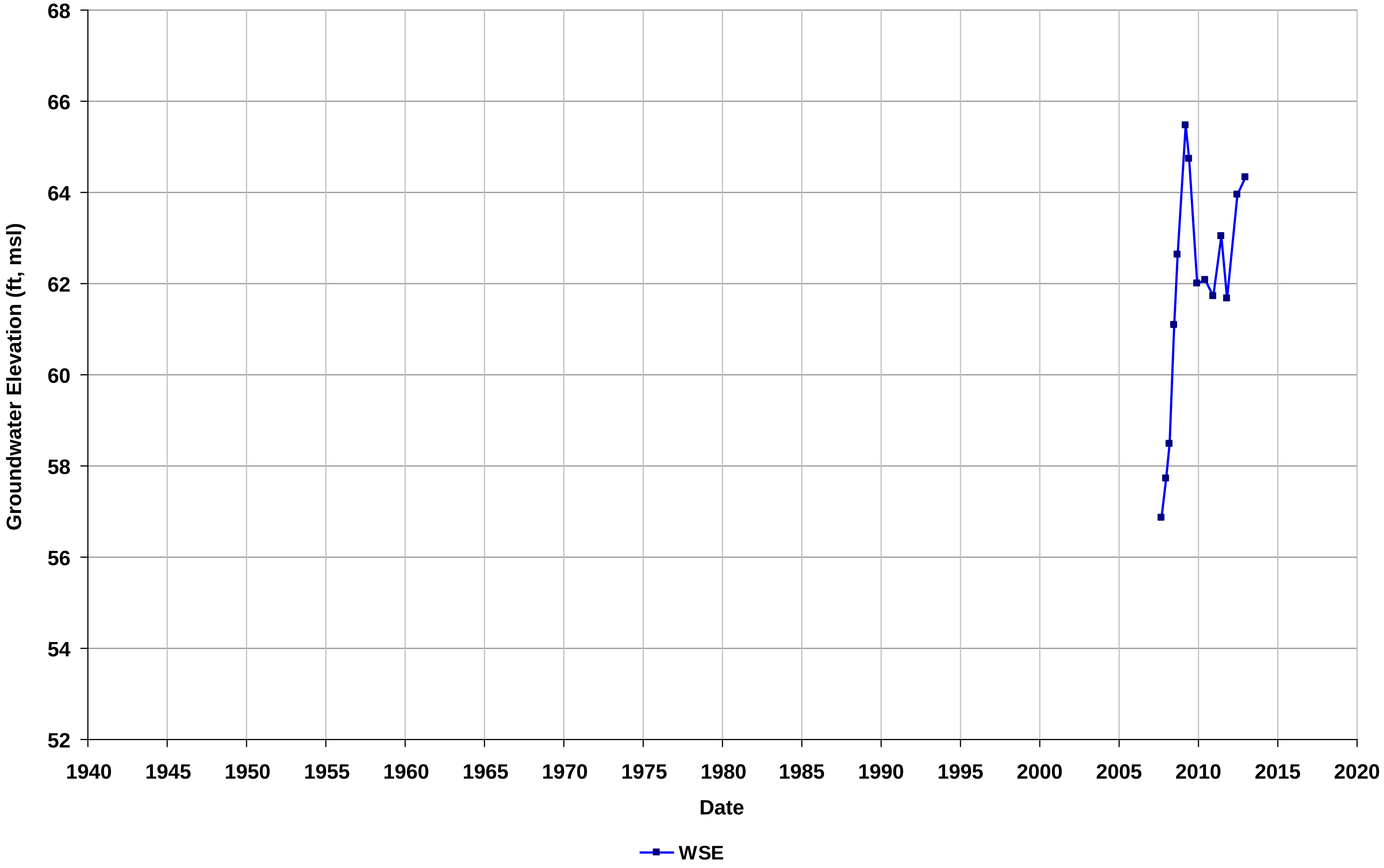
Well Name: T0600101108-MW-10
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 63
Perf. Interval (ft bgs):
T/R/S: 01S/04W/24
Well Use: Observation



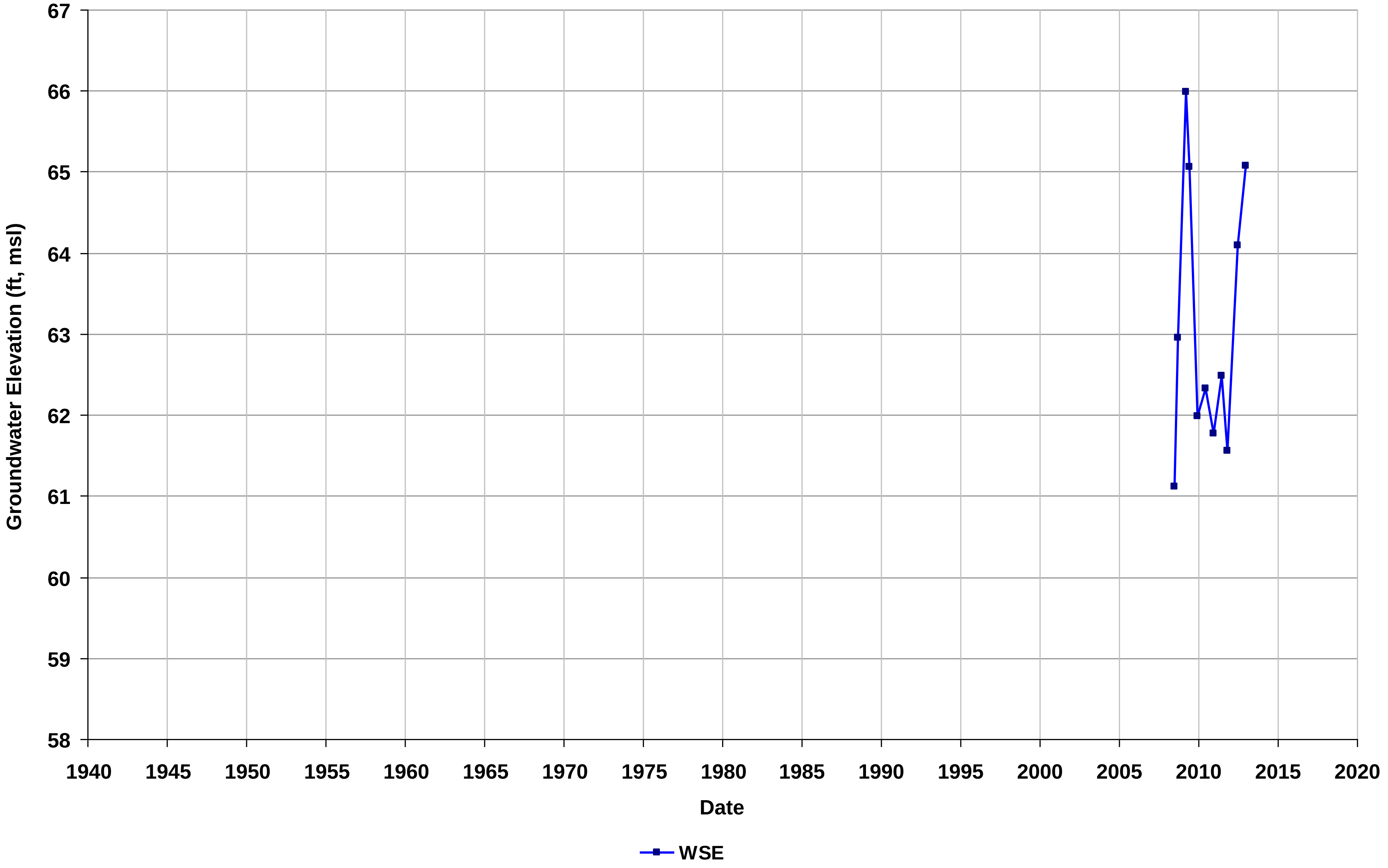
Well Name: T0600101108-MW-4
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 64
Perf. Interval (ft bgs):
T/R/S: 01S/04W/24
Well Use: Observation



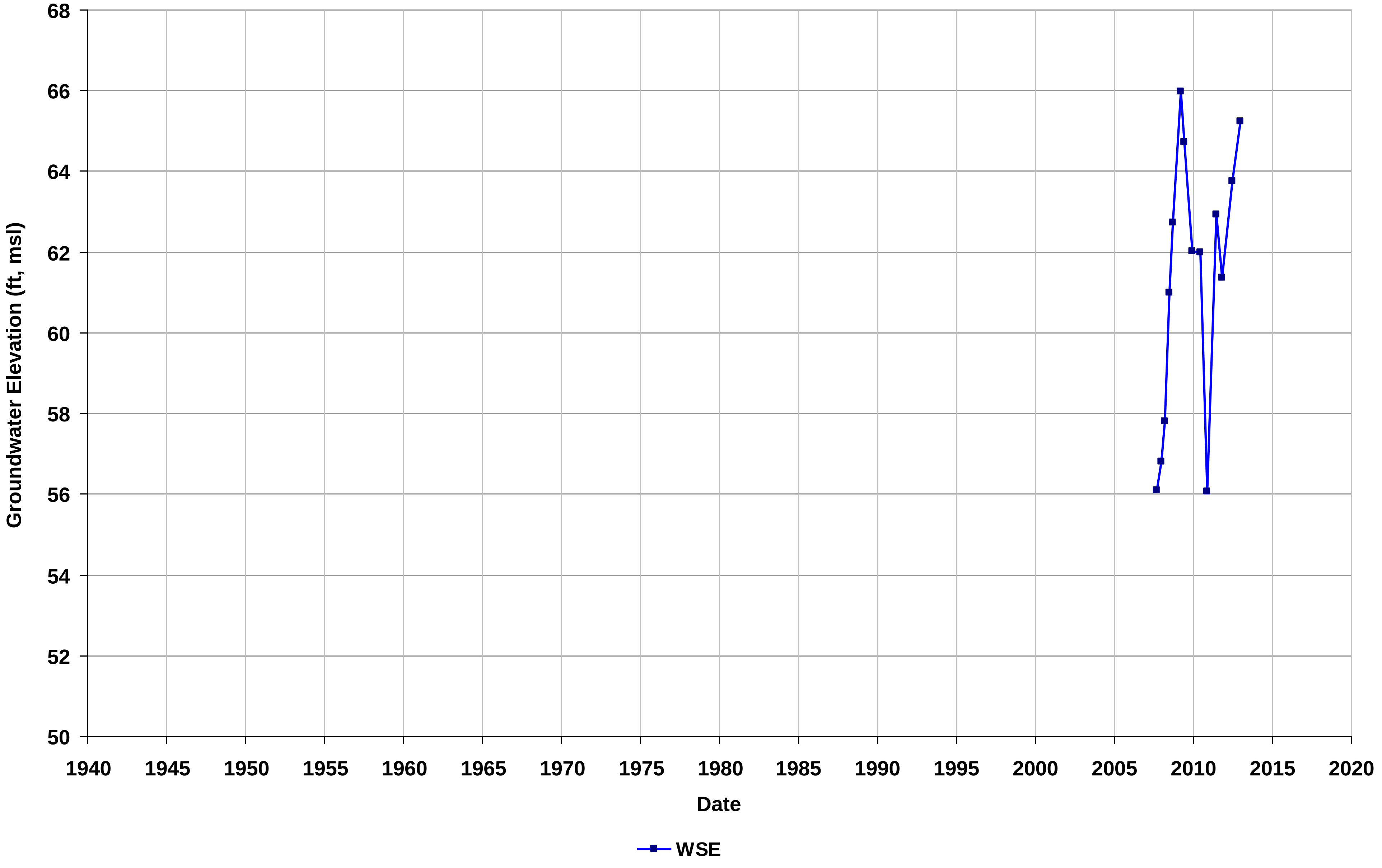
Well Name: T0600101108-MW-6
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 65
Perf. Interval (ft bgs):
T/R/S: 01S/04W/24
Well Use: Observation



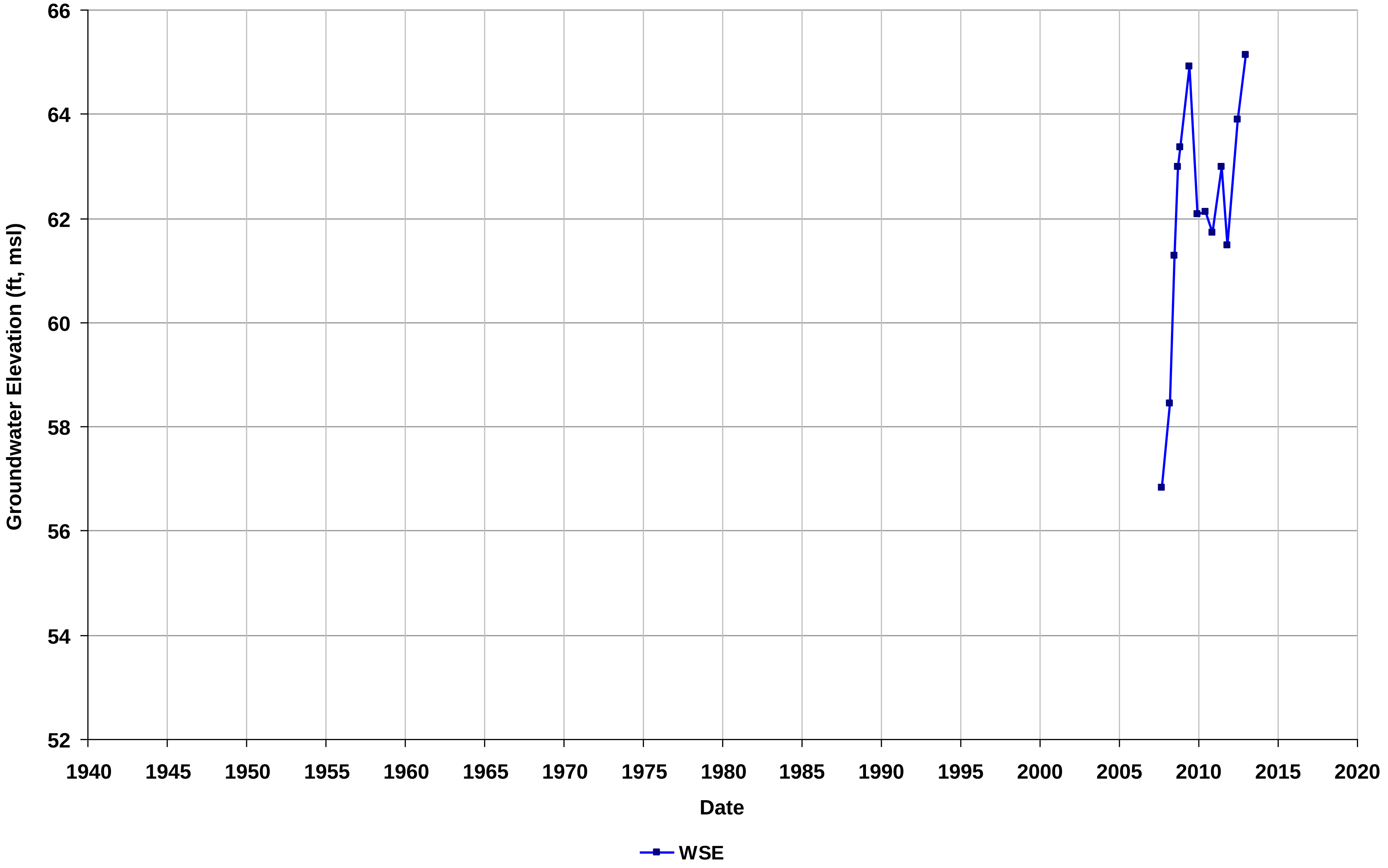
Well Name: T0600101108-MW-7
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 65
Perf. Interval (ft bgs):
T/R/S: 01S/04W/24
Well Use: Observation



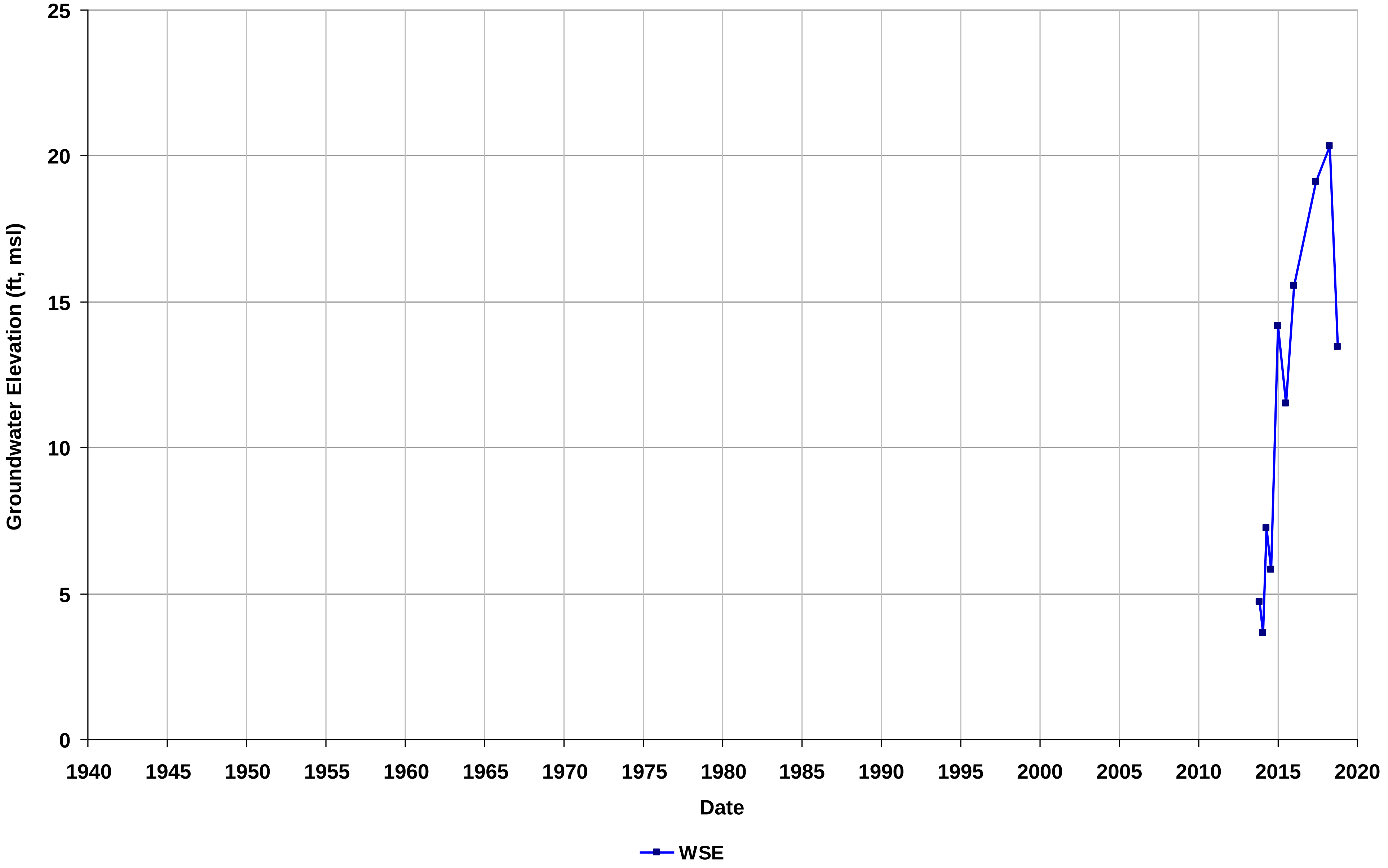
Well Name: T0600101108-MW-9
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 65
Perf. Interval (ft bgs):
T/R/S: 01S/04W/24
Well Use: Observation



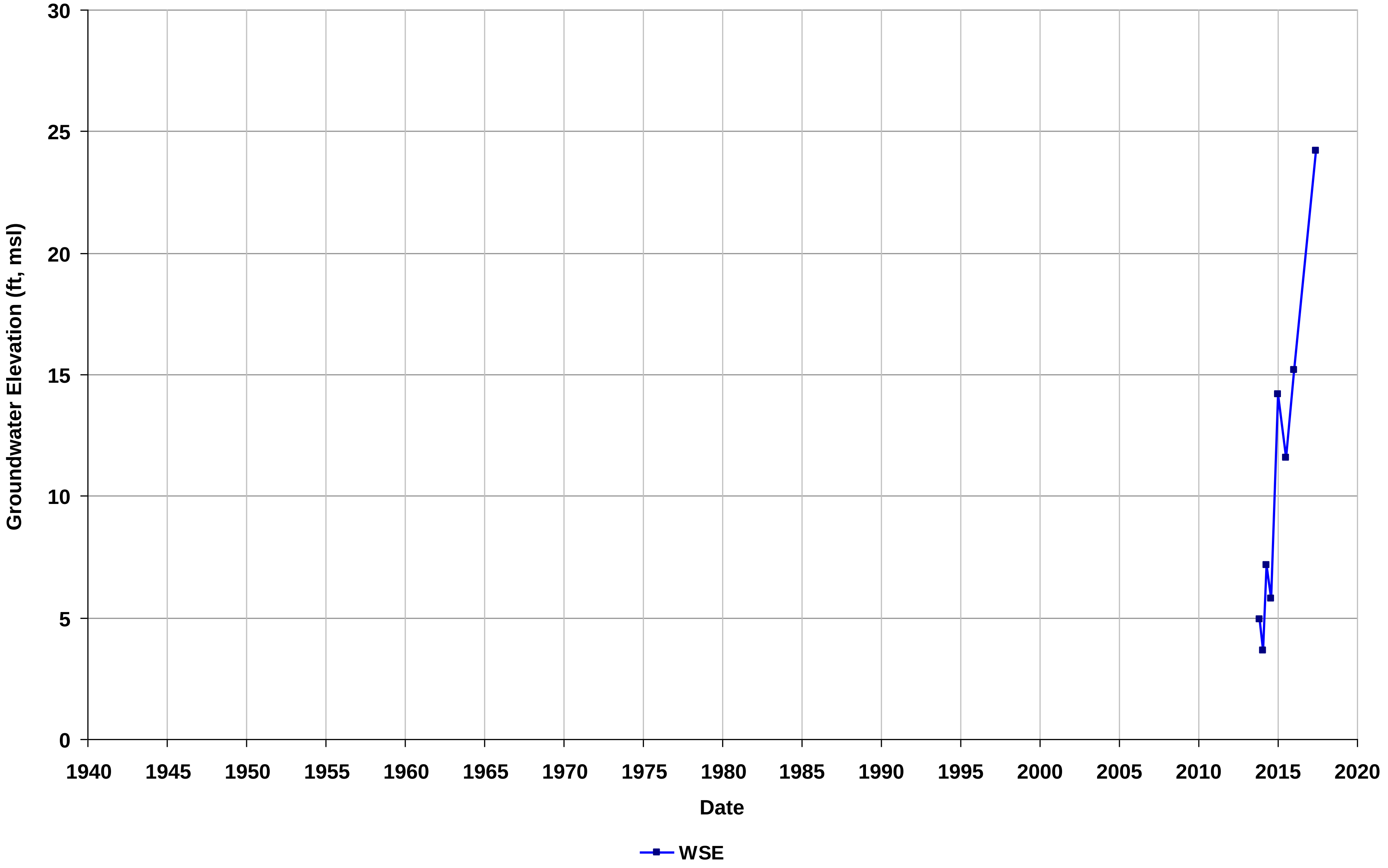
Well Name: T0600101233-S-18
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 50-60
T/R/S: 04S/01W/18
Well Use: Observation



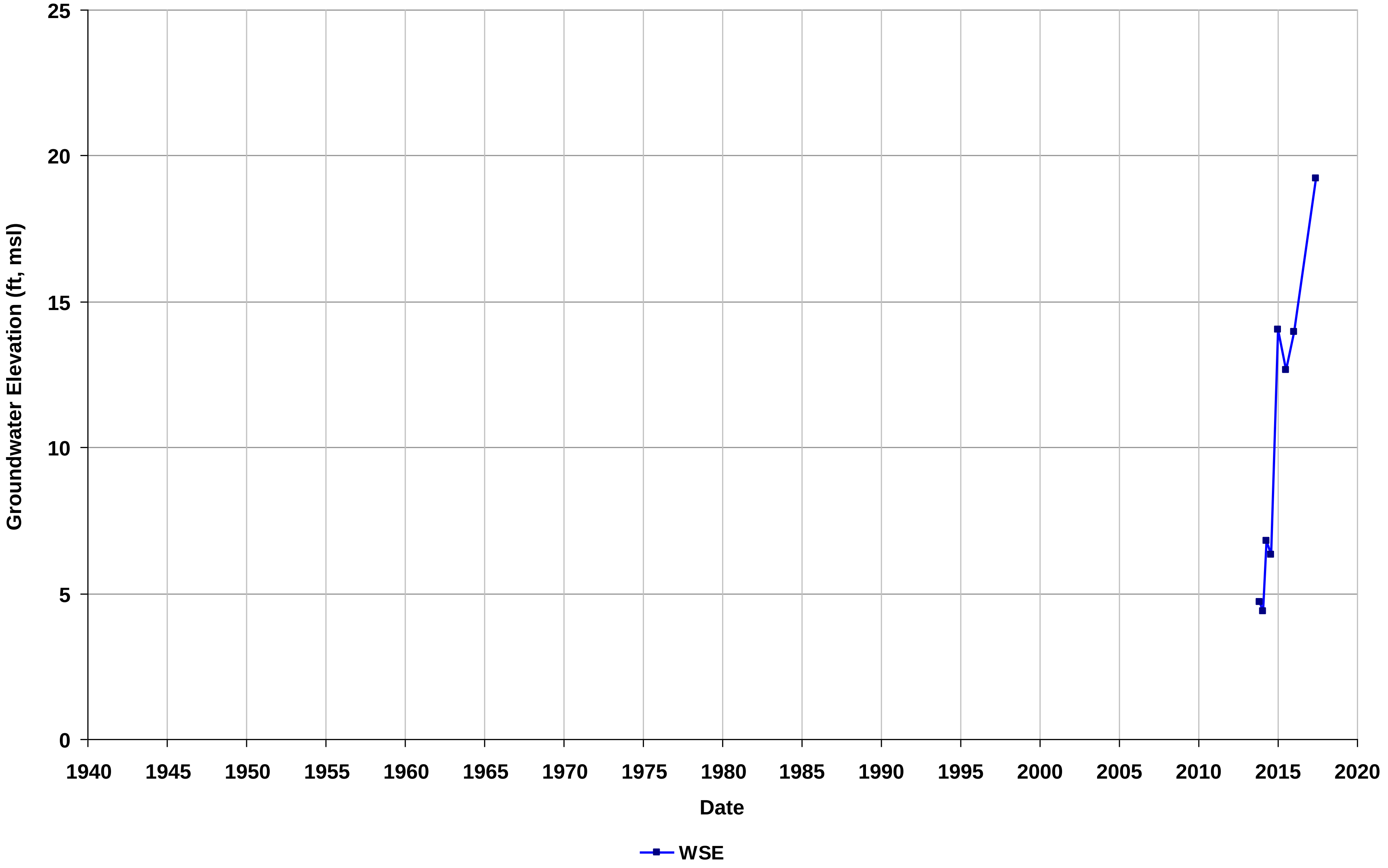
Well Name: T0600101233-S-20
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 50-60
T/R/S: 04S/01W/18
Well Use: Observation



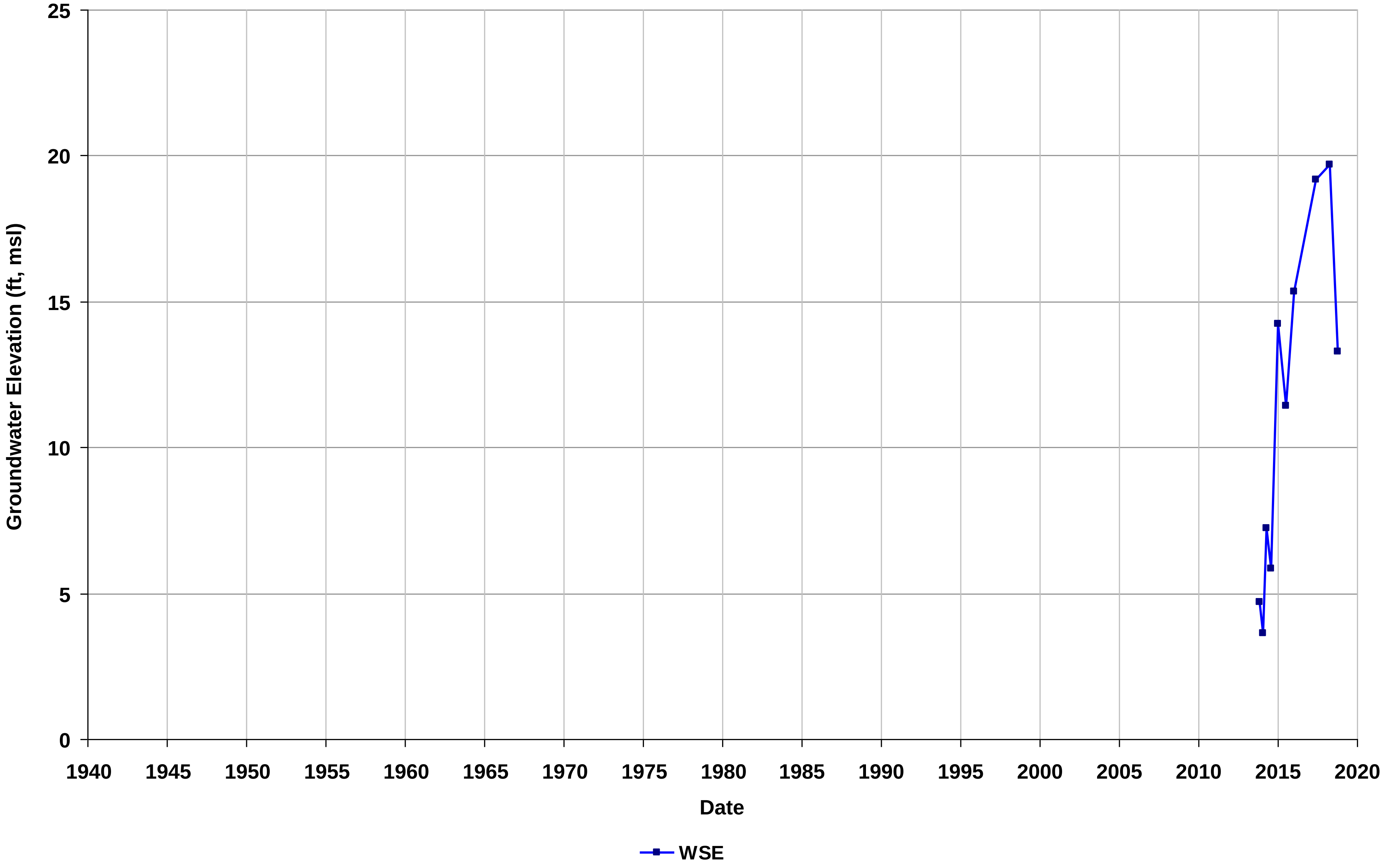
Well Name: T0600101233-S-22
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 48-58
T/R/S: 04S/01W/18
Well Use: Observation



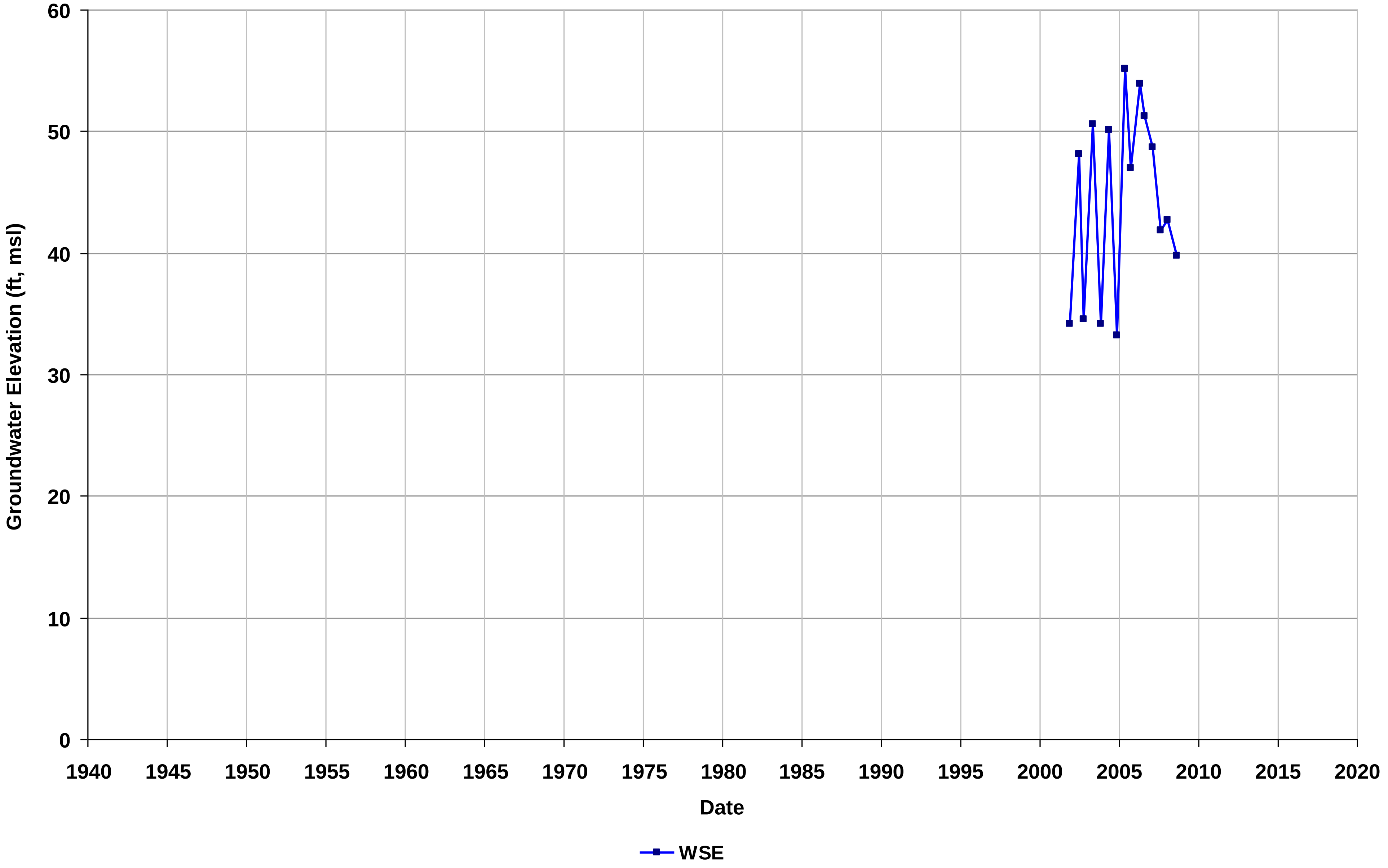
Well Name: T0600101233-S-23
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 49-59
T/R/S: 04S/01W/18
Well Use: Observation



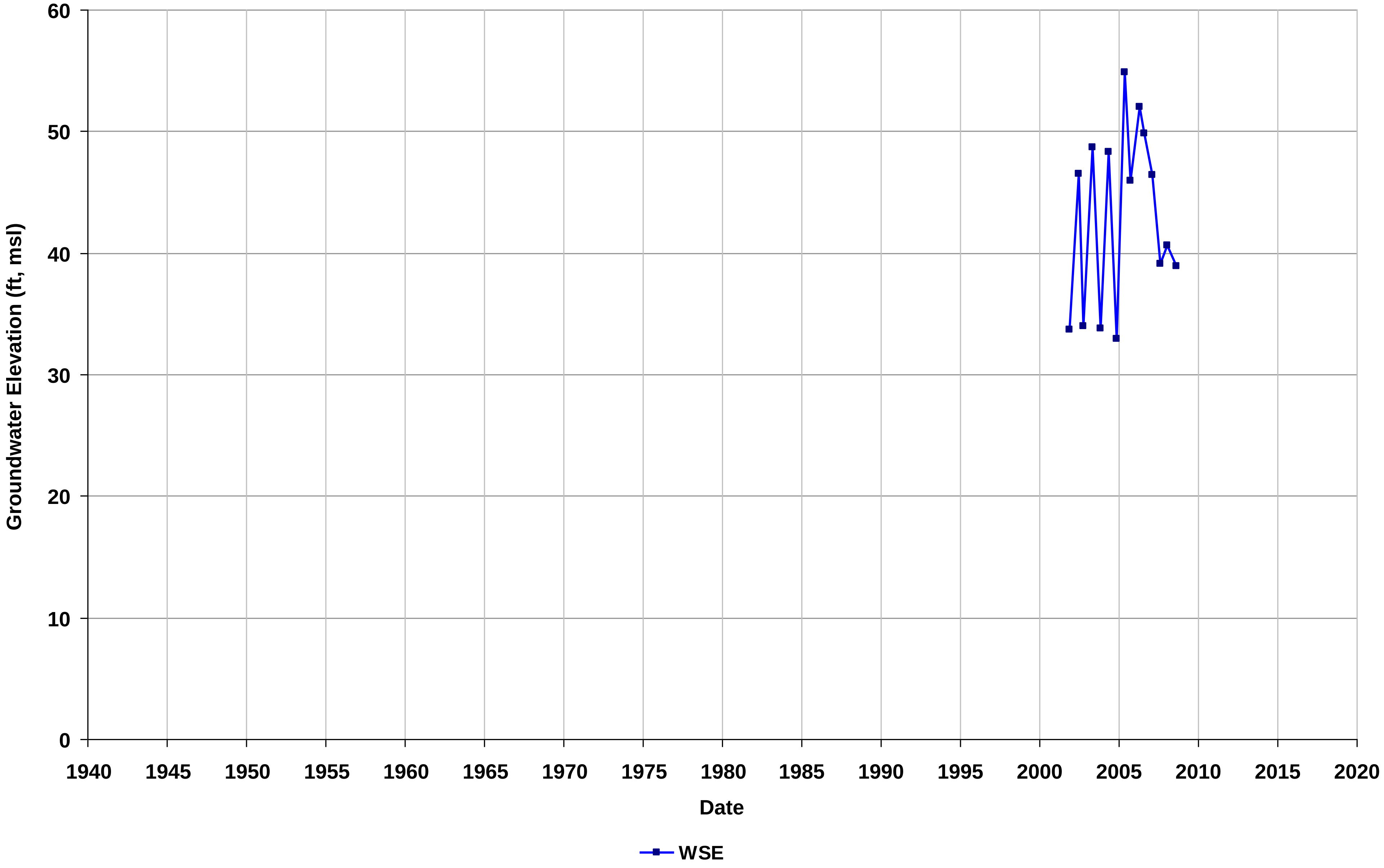
Well Name: T0600101252-S-3
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 81
Perf. Interval (ft bgs):
T/R/S: 04S/01W/07
Well Use: Observation



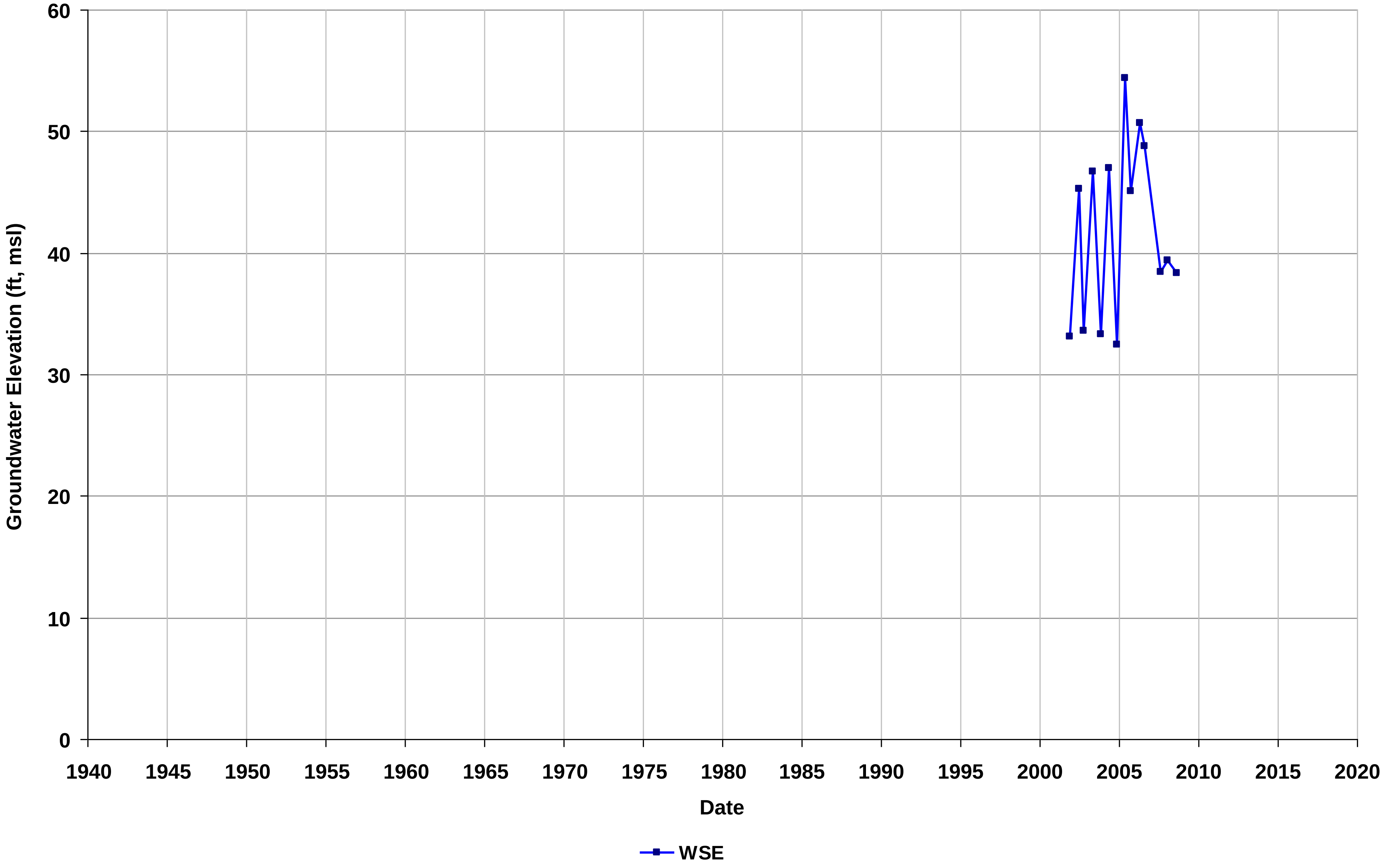
Well Name: T0600101252-S-4
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 81
Perf. Interval (ft bgs):
T/R/S: 04S/01W/07
Well Use: Observation



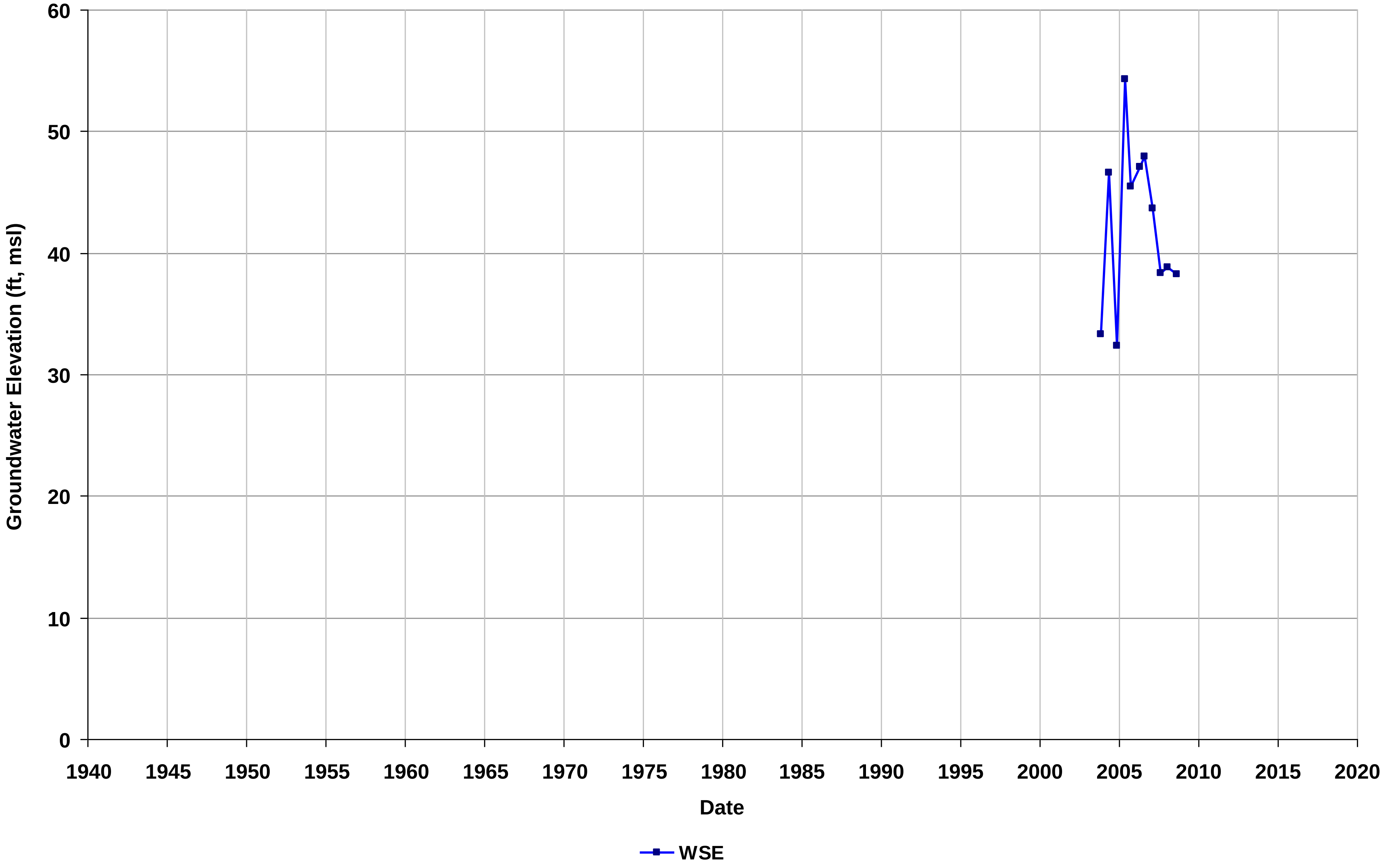
Well Name: T0600101252-S-6
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 77
Perf. Interval (ft bgs):
T/R/S: 04S/01W/07
Well Use: Observation



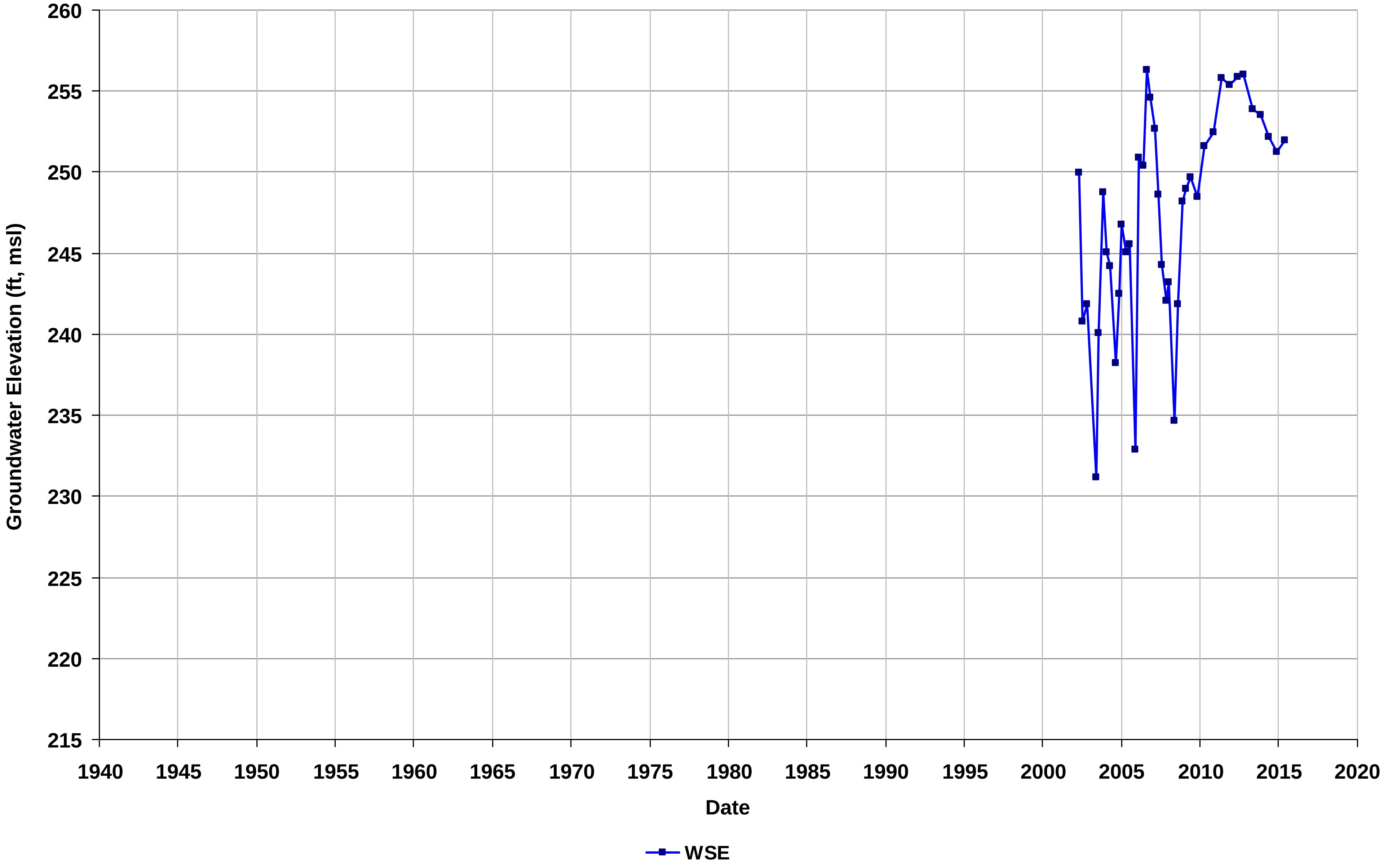
Well Name: T0600101252-S-7
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 74
Perf. Interval (ft bgs):
T/R/S: 04S/01W/07
Well Use: Observation



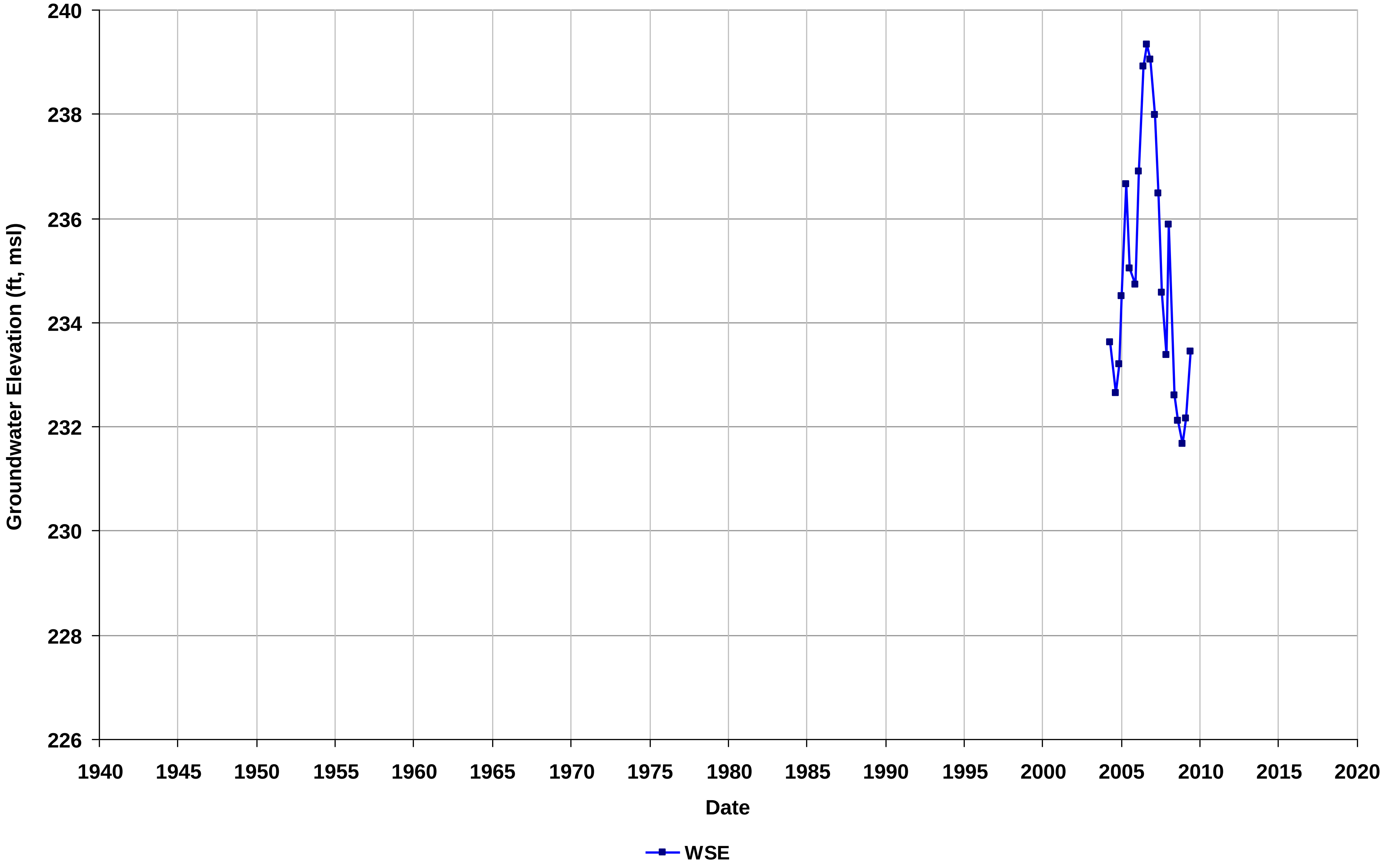
Well Name: T0600101262-S-10
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 75
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



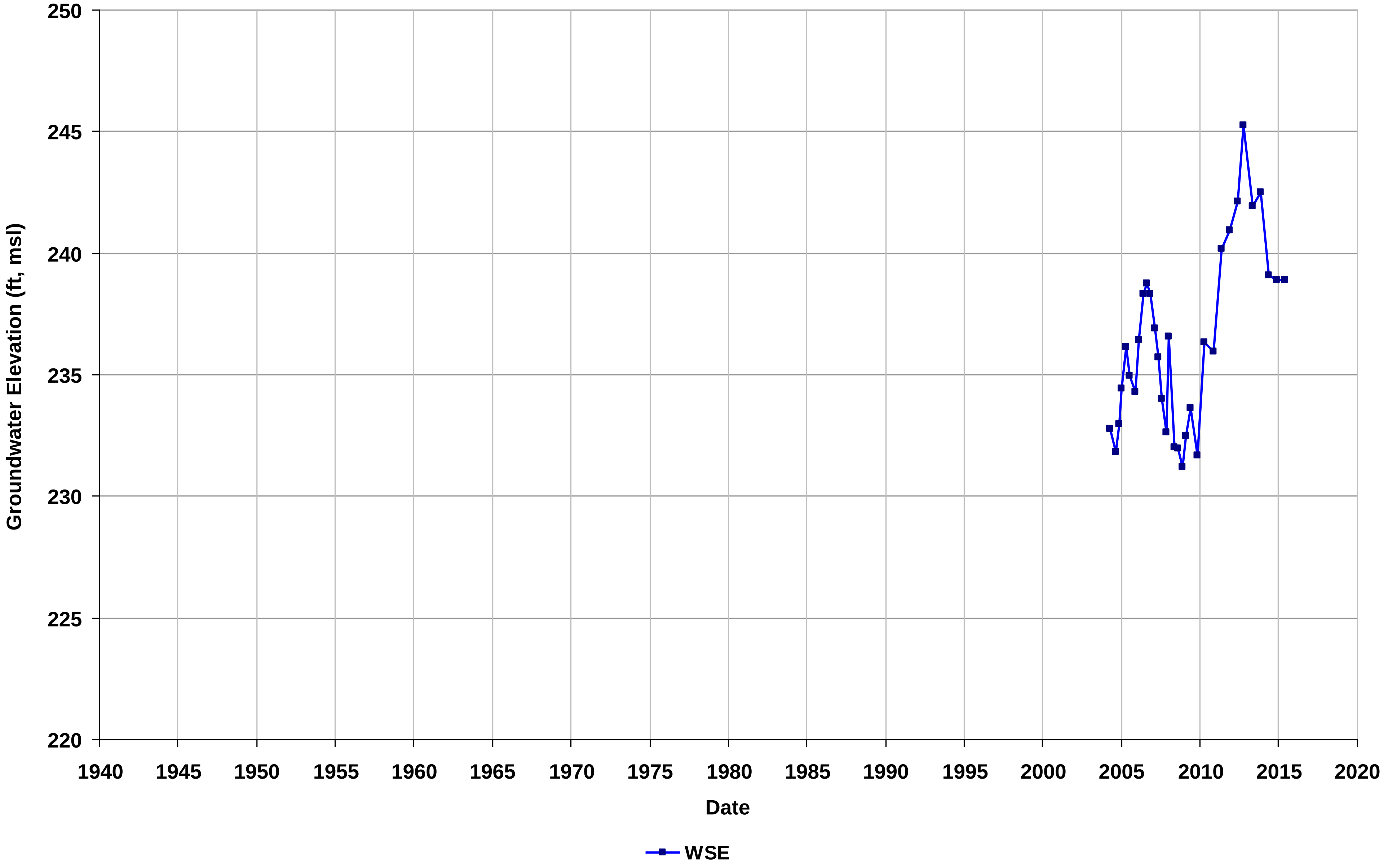
Well Name: T0600101262-S-13
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 50
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



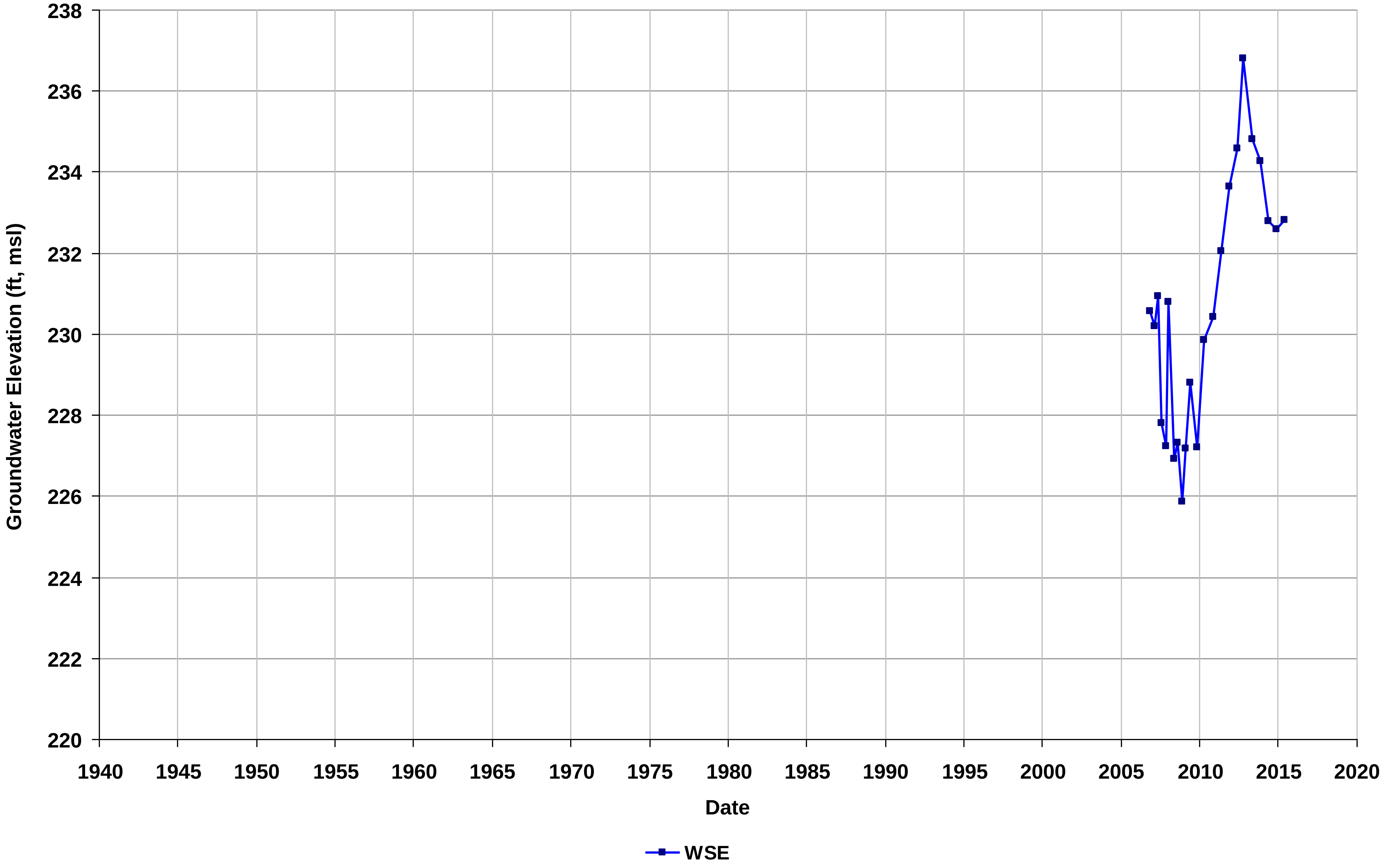
Well Name: T0600101262-S-15
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 52
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



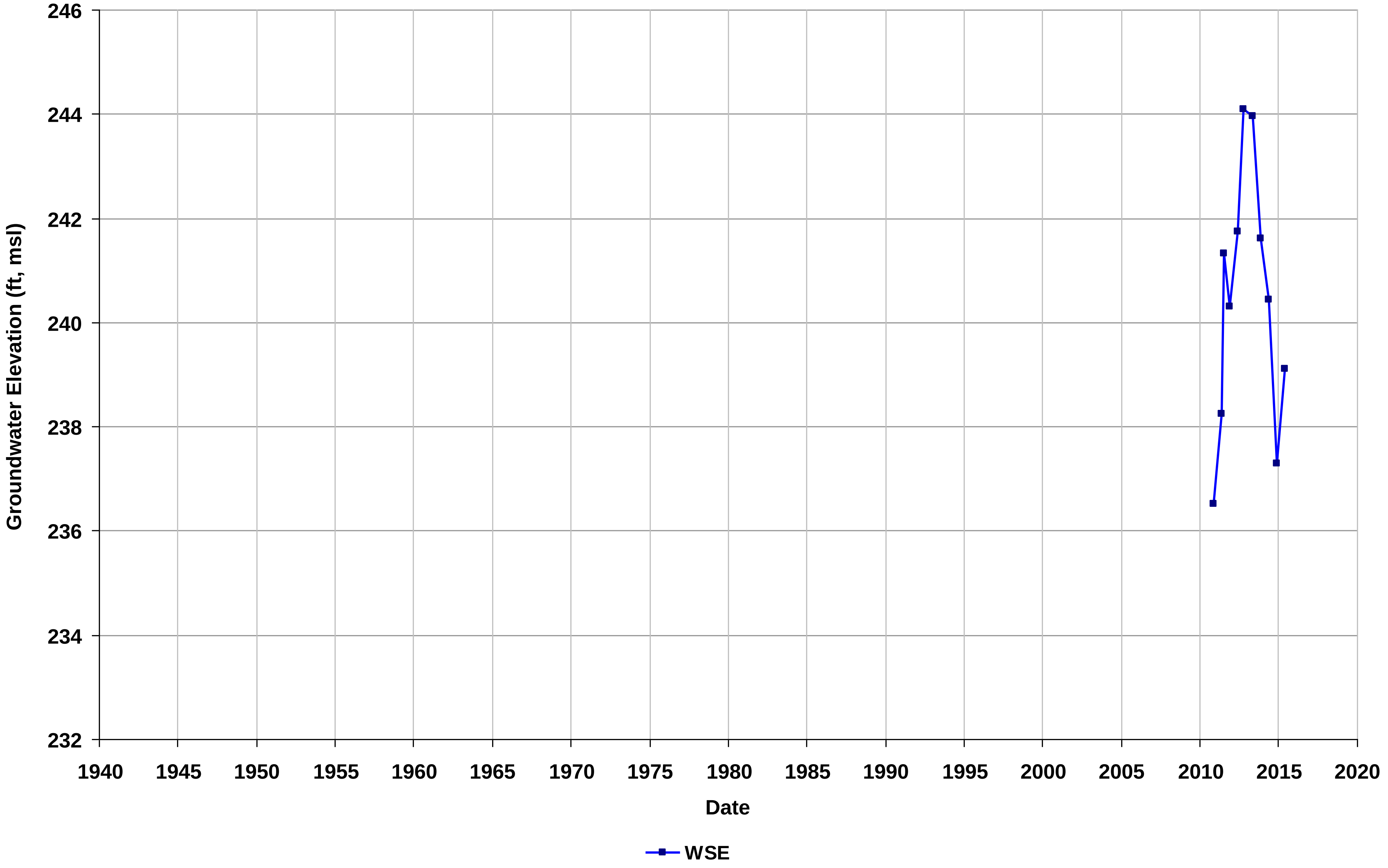
Well Name: T0600101262-S-17
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 56
Perf. Interval (ft bgs): 43-58
T/R/S: n/a
Well Use: Observation



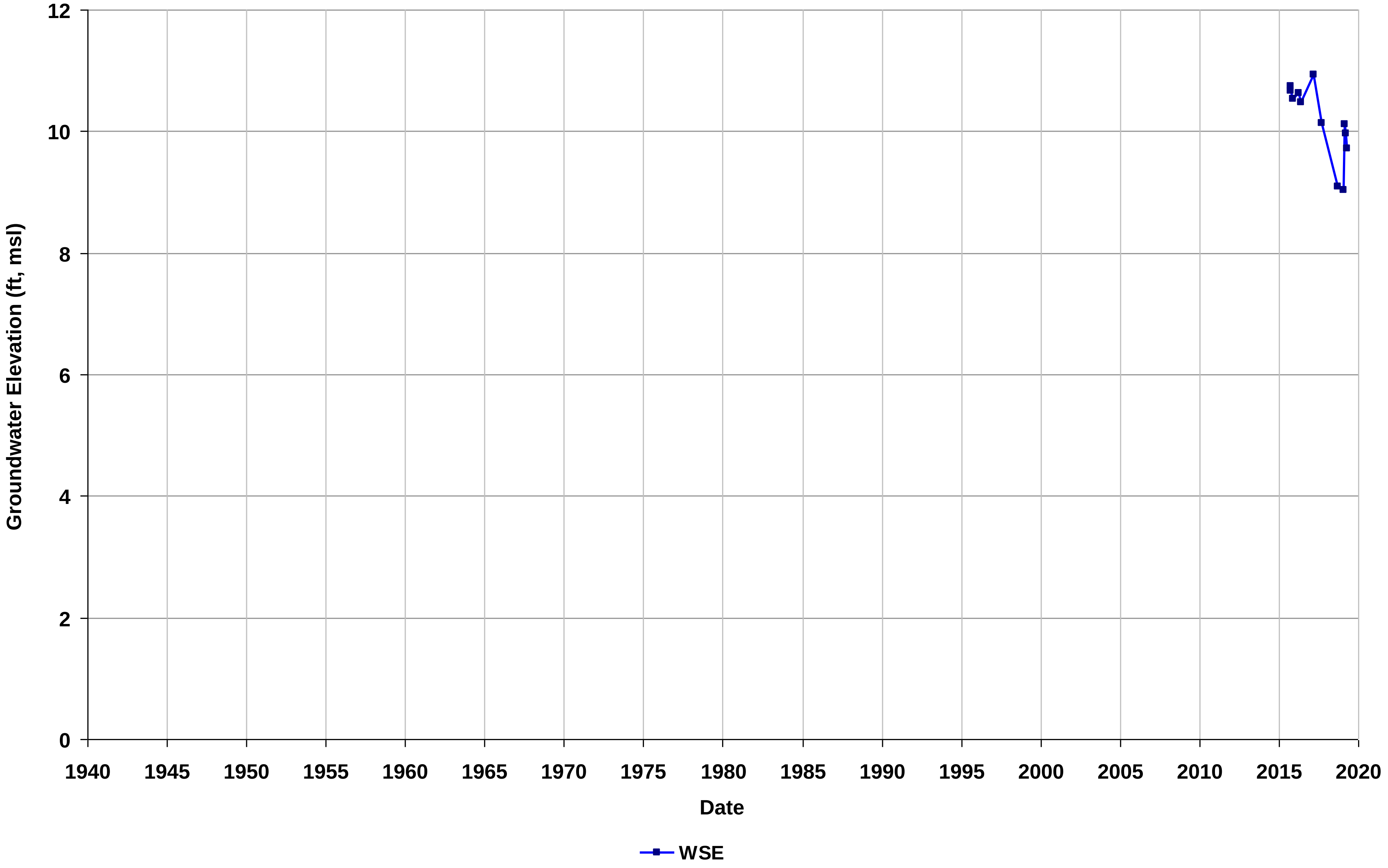
Well Name: T0600101262-S-20
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 57
Perf. Interval (ft bgs): 48-58
T/R/S: n/a
Well Use: Observation



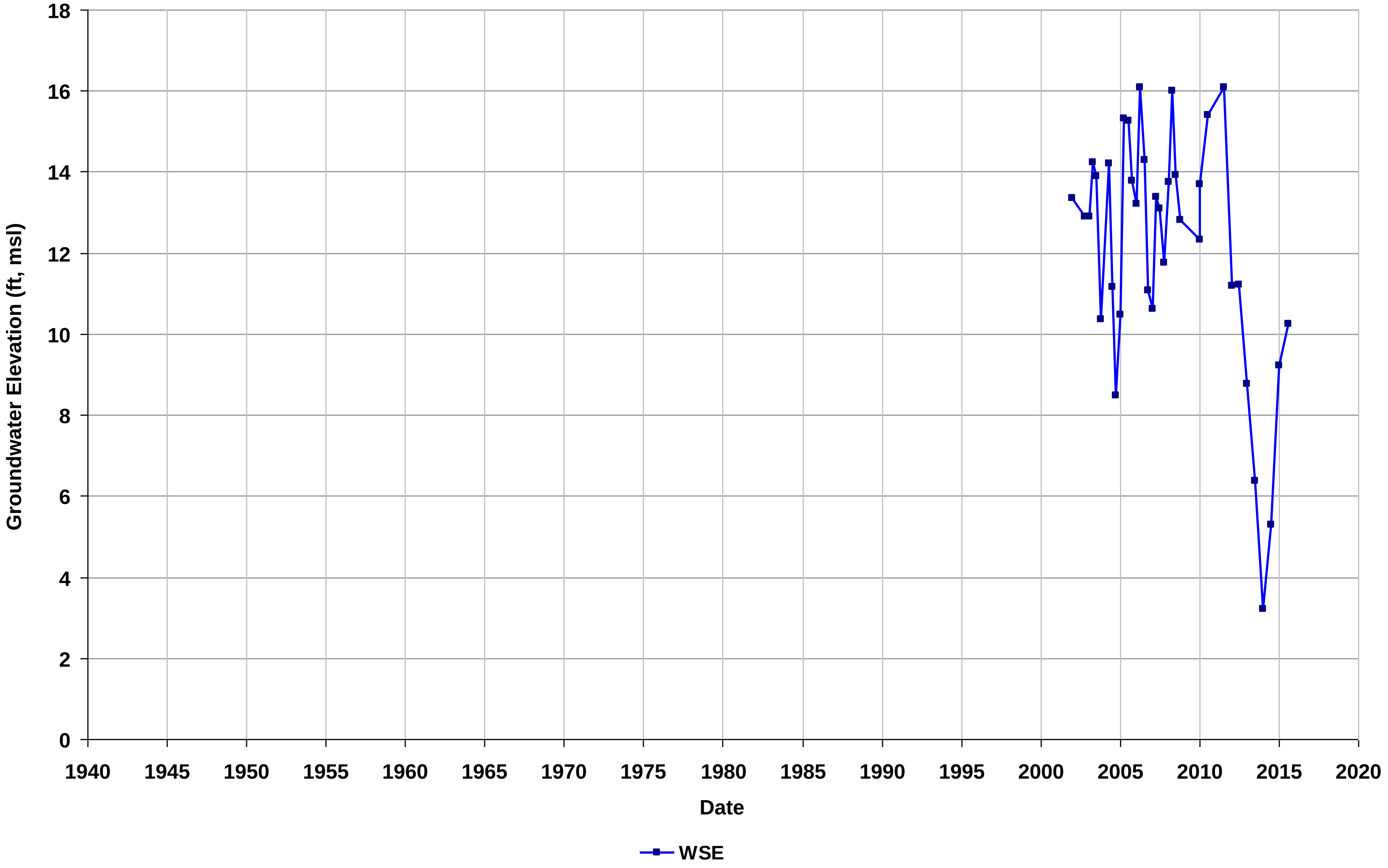
Well Name: T0600101263-S-26
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 20-55
T/R/S: 01S/04W/35
Well Use: Observation



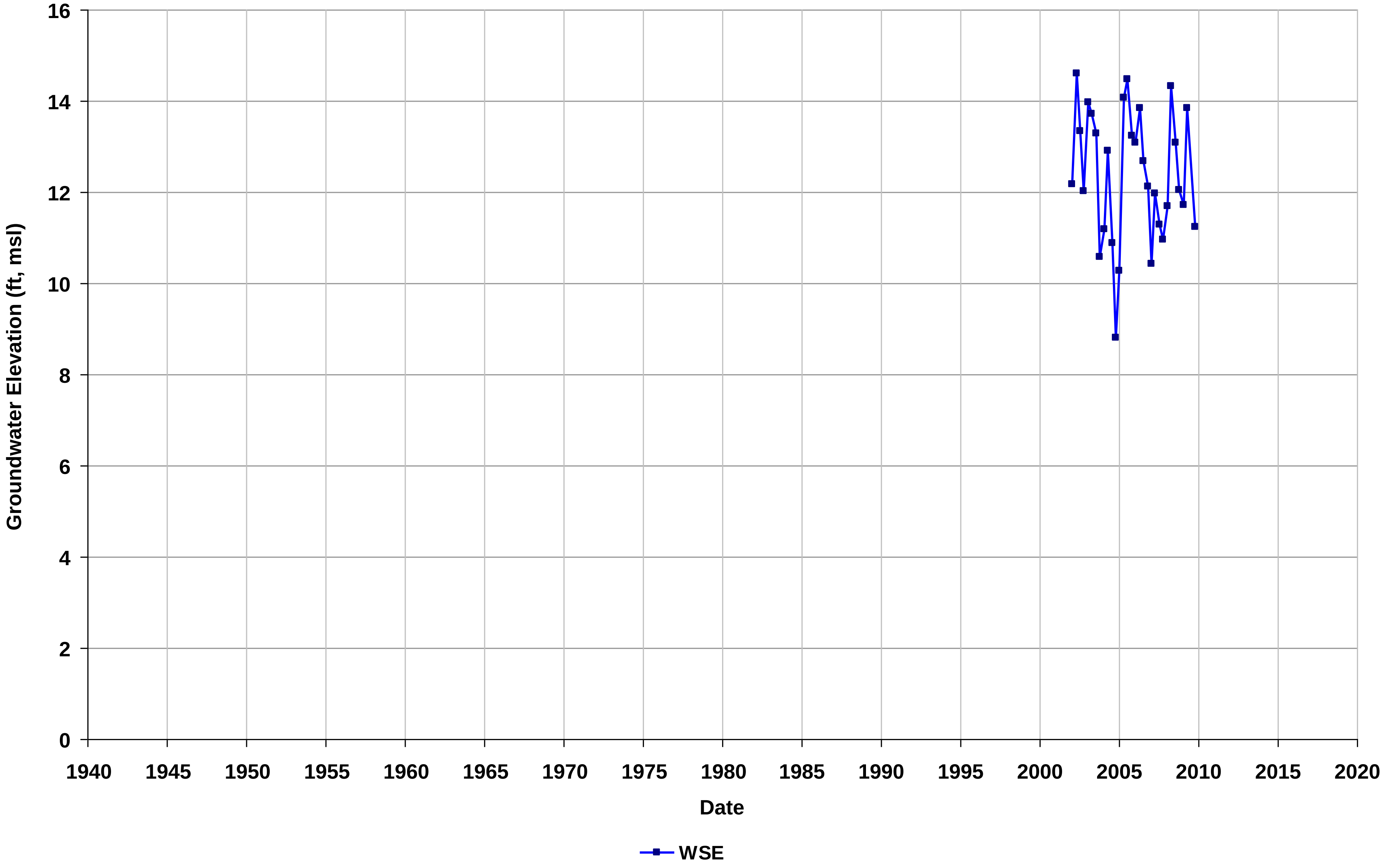
Well Name: T0600101264-S-8
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 55
Perf. Interval (ft bgs):
T/R/S: 04S/01W/30
Well Use: Observation



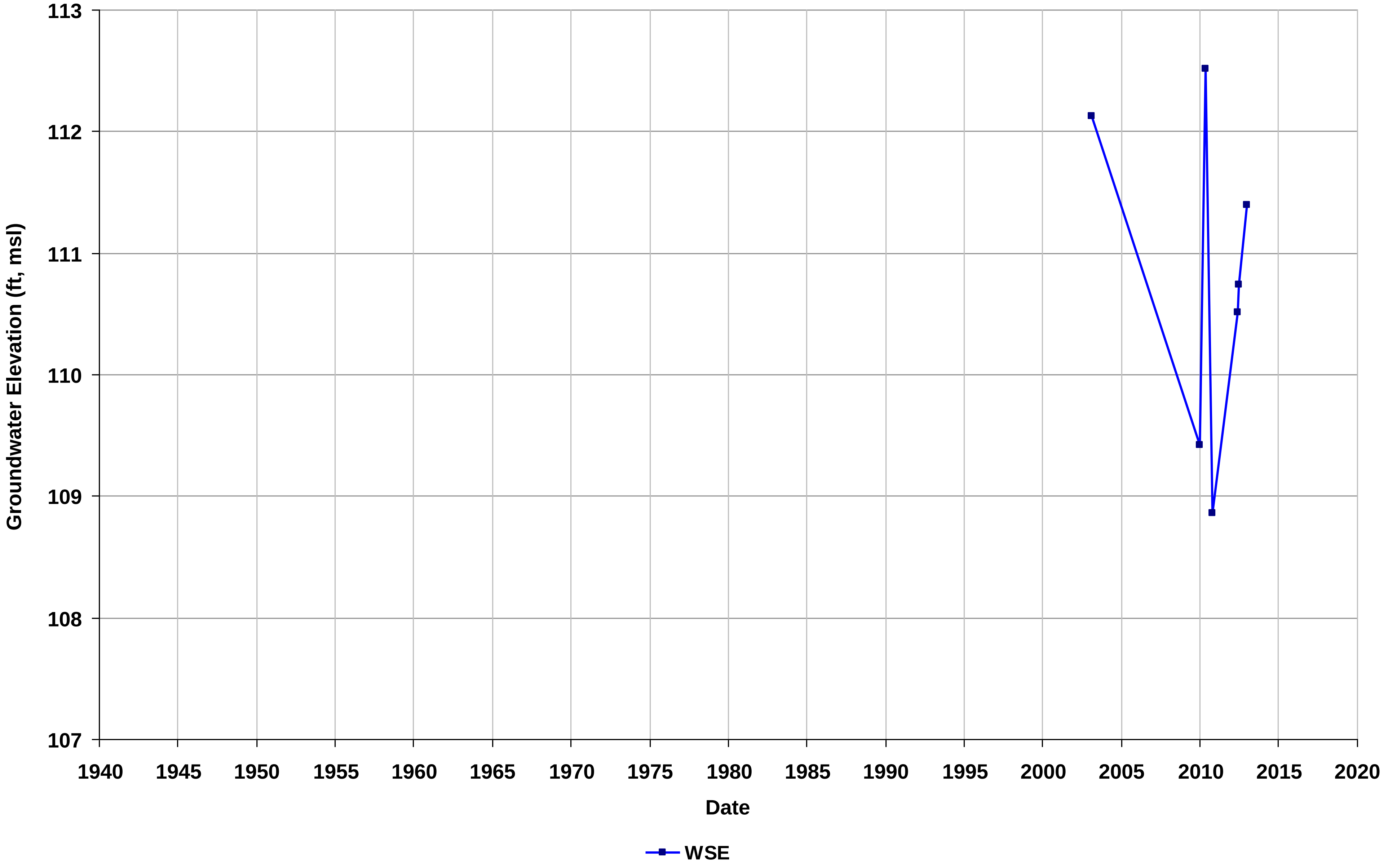
Well Name: T0600101269-S-19
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 53
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



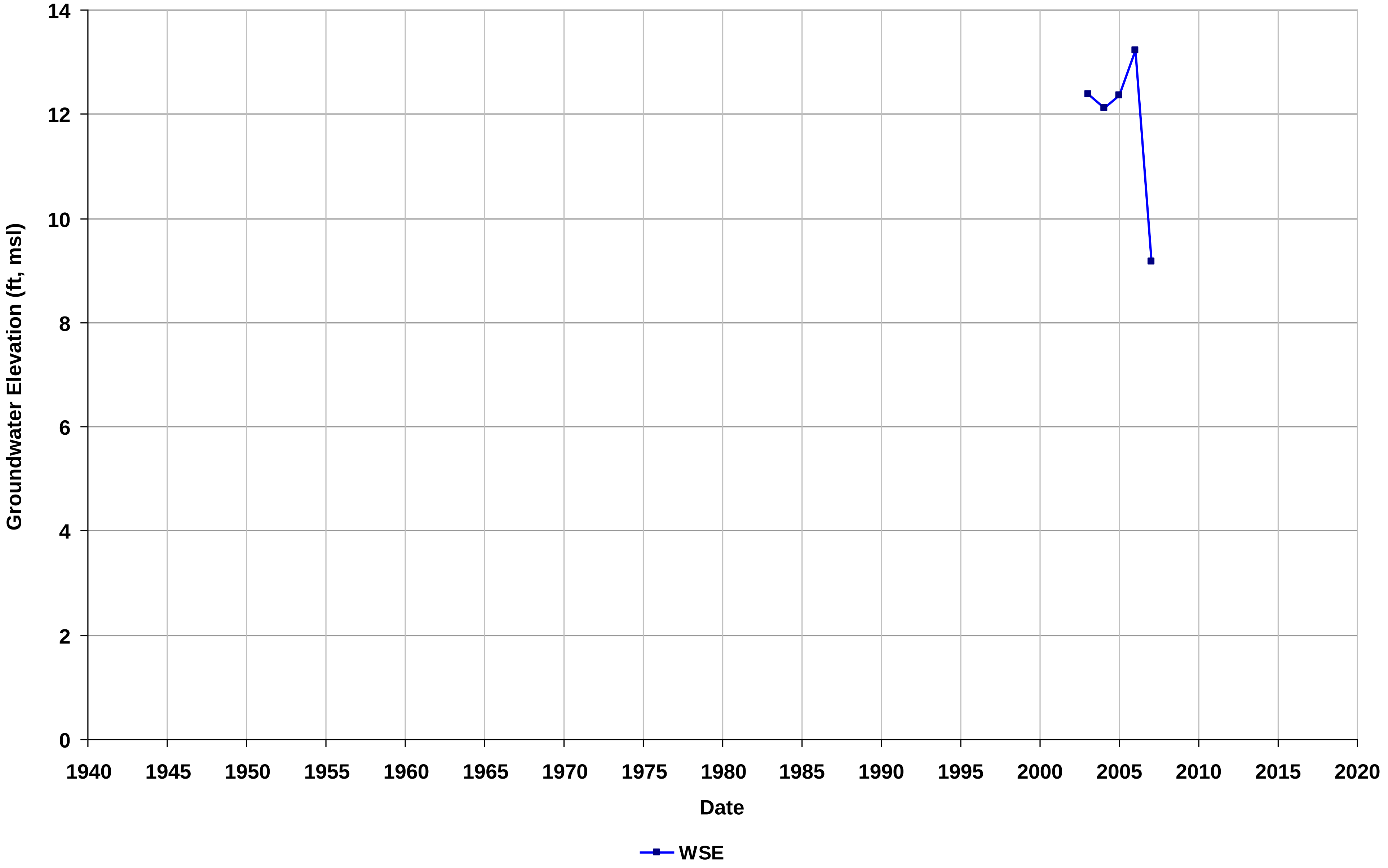
Well Name: T0600101294-MW-1
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 25-70
T/R/S: 02S/03W/05
Well Use: Observation



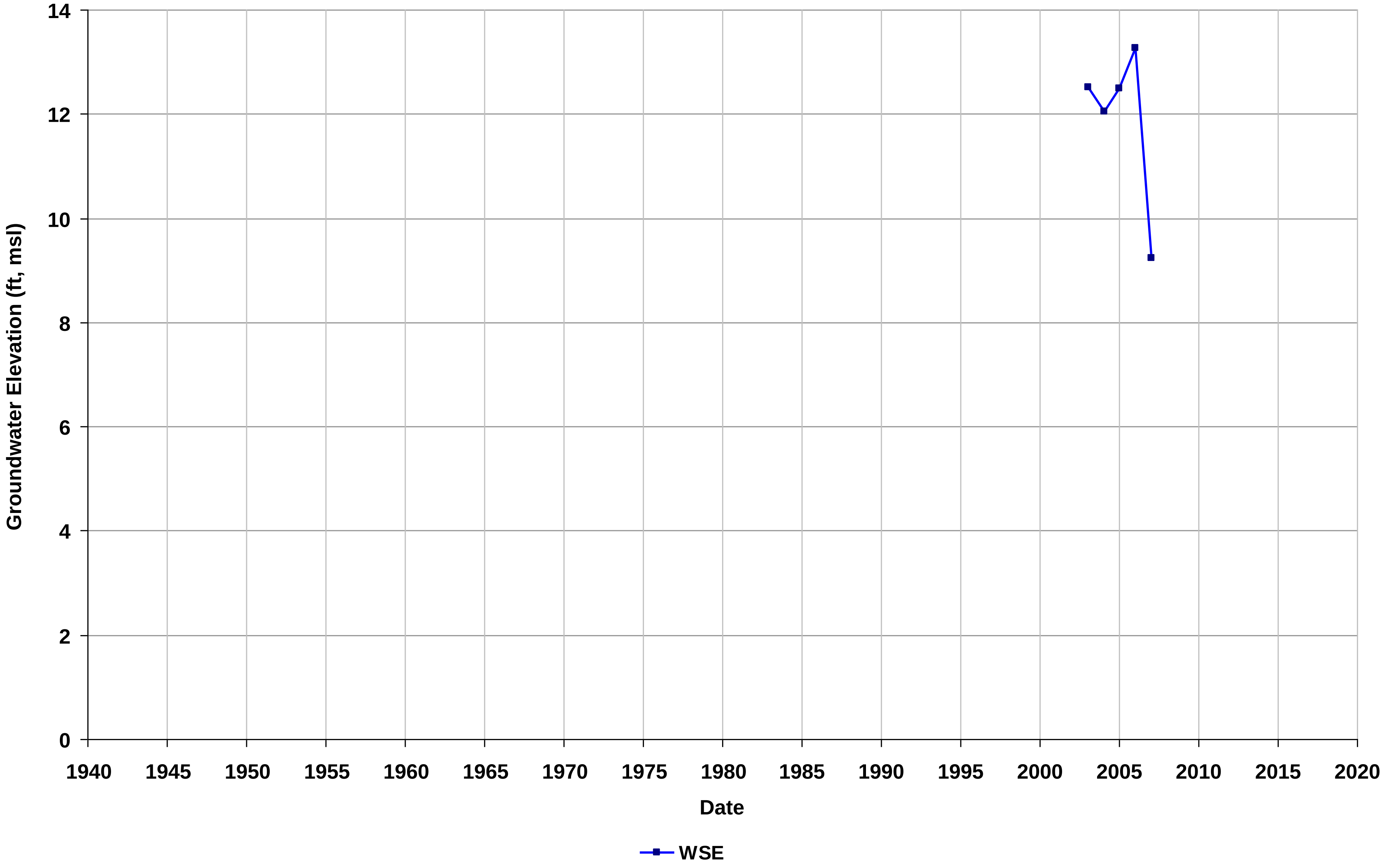
Well Name: T0600101346-MW-10
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 53
Perf. Interval (ft bgs):
T/R/S: 04S/01W/18
Well Use: Observation



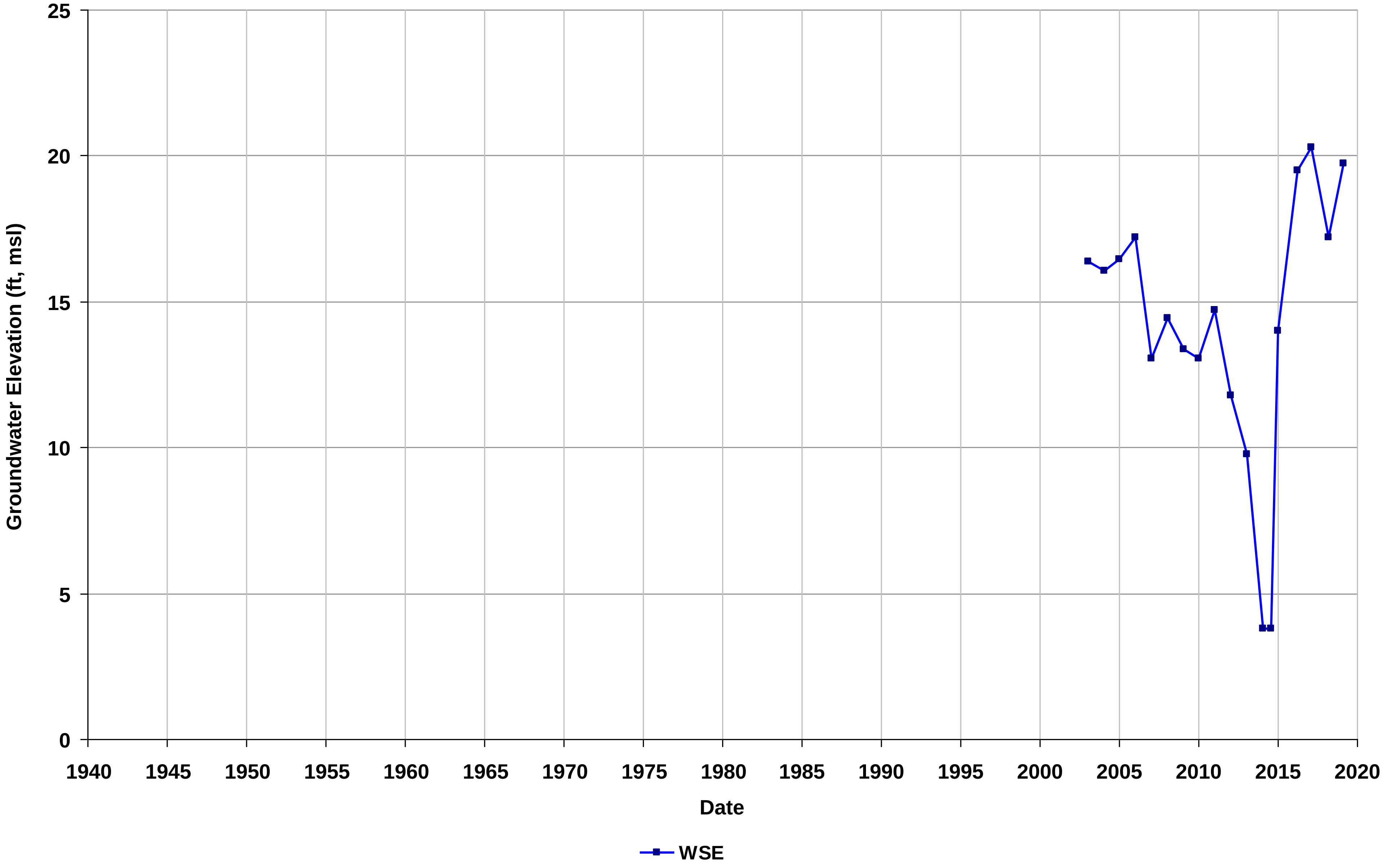
Well Name: T0600101346-MW-11
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 53
Perf. Interval (ft bgs):
T/R/S: 04S/01W/18
Well Use: Observation



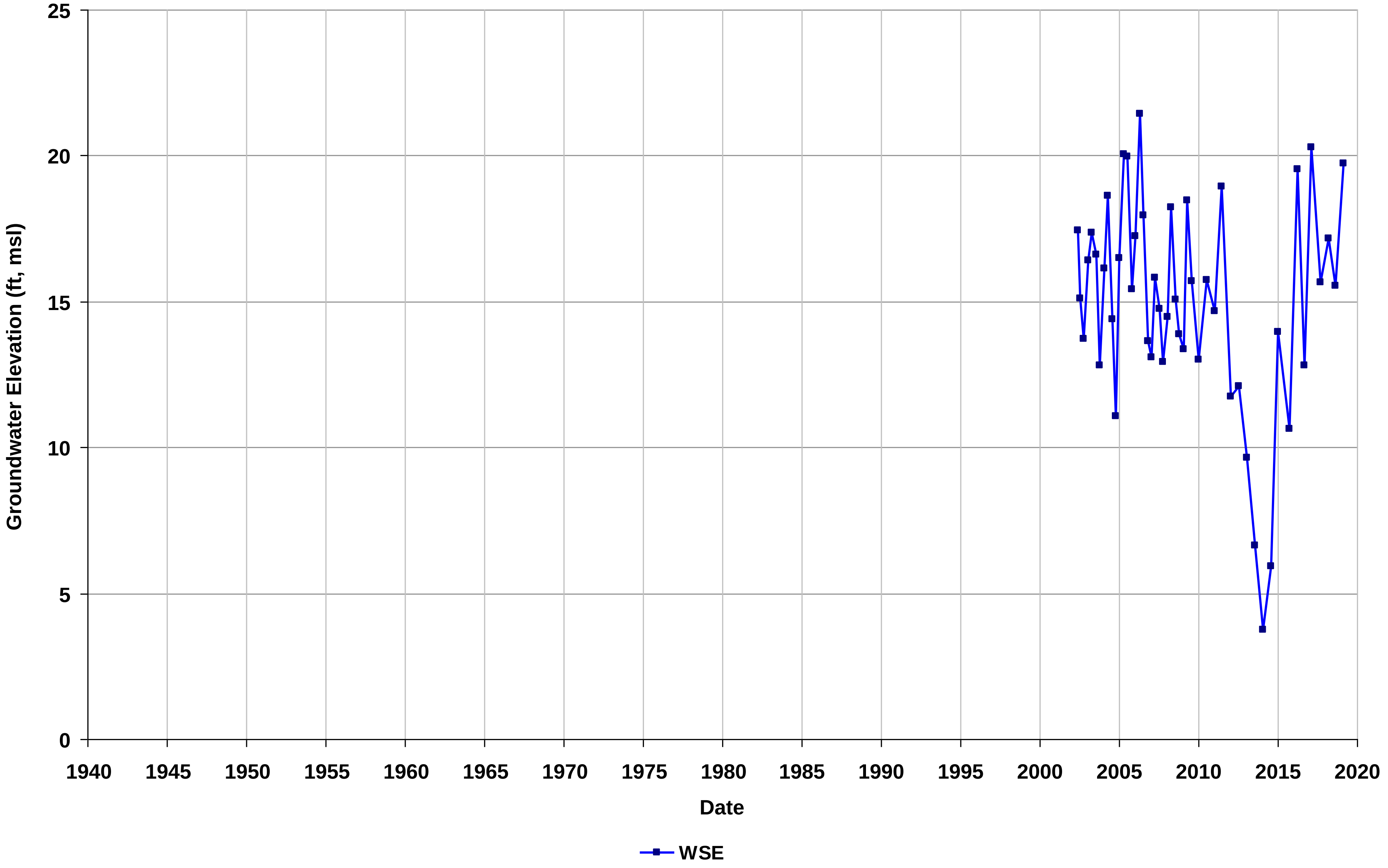
Well Name: T0600101346-MW-8
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 54
Perf. Interval (ft bgs):
T/R/S: 04S/01W/18
Well Use: Observation



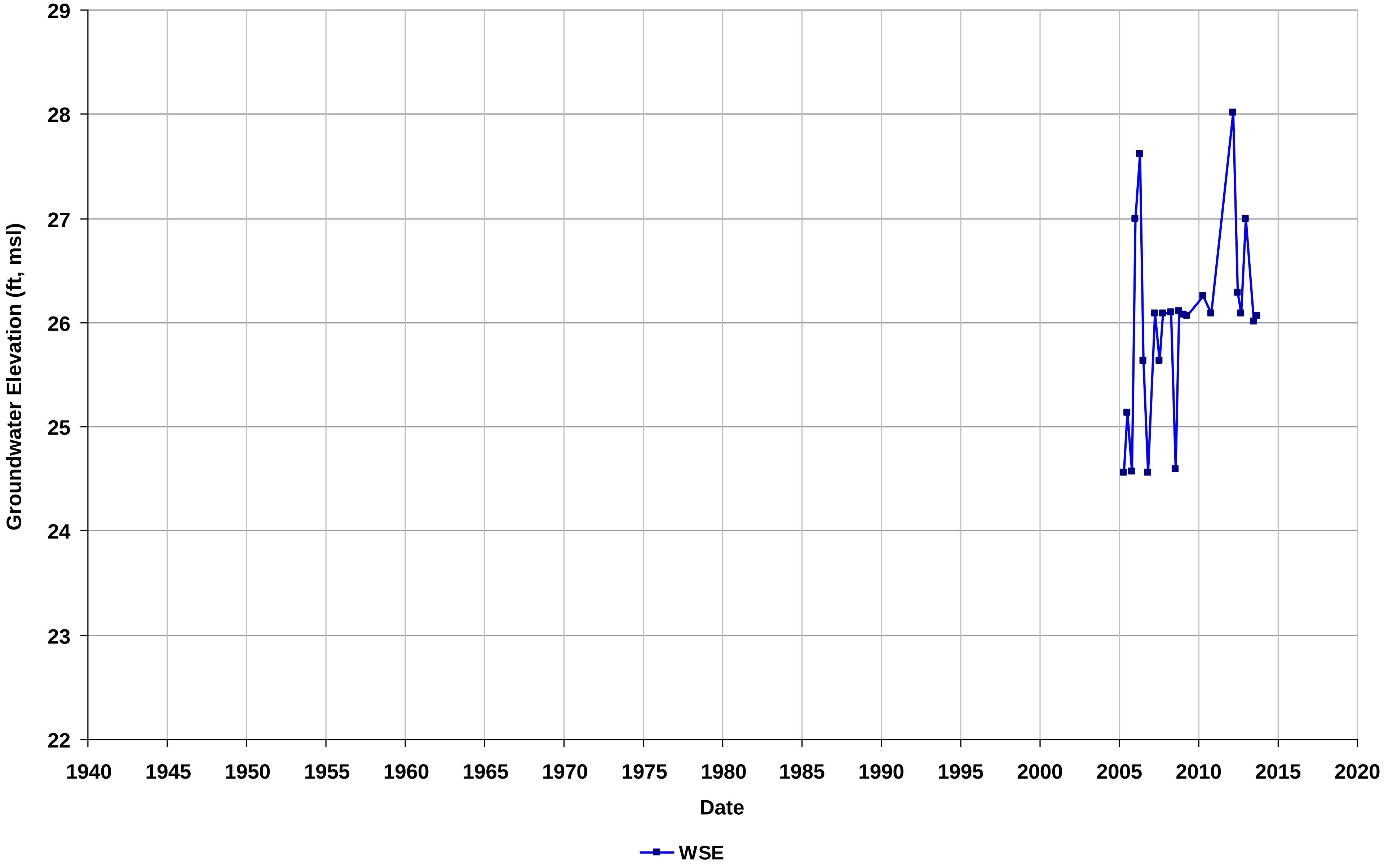
Well Name: T0600101346-MW-9
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 59
Perf. Interval (ft bgs):
T/R/S: 04S/01W/18
Well Use: Observation



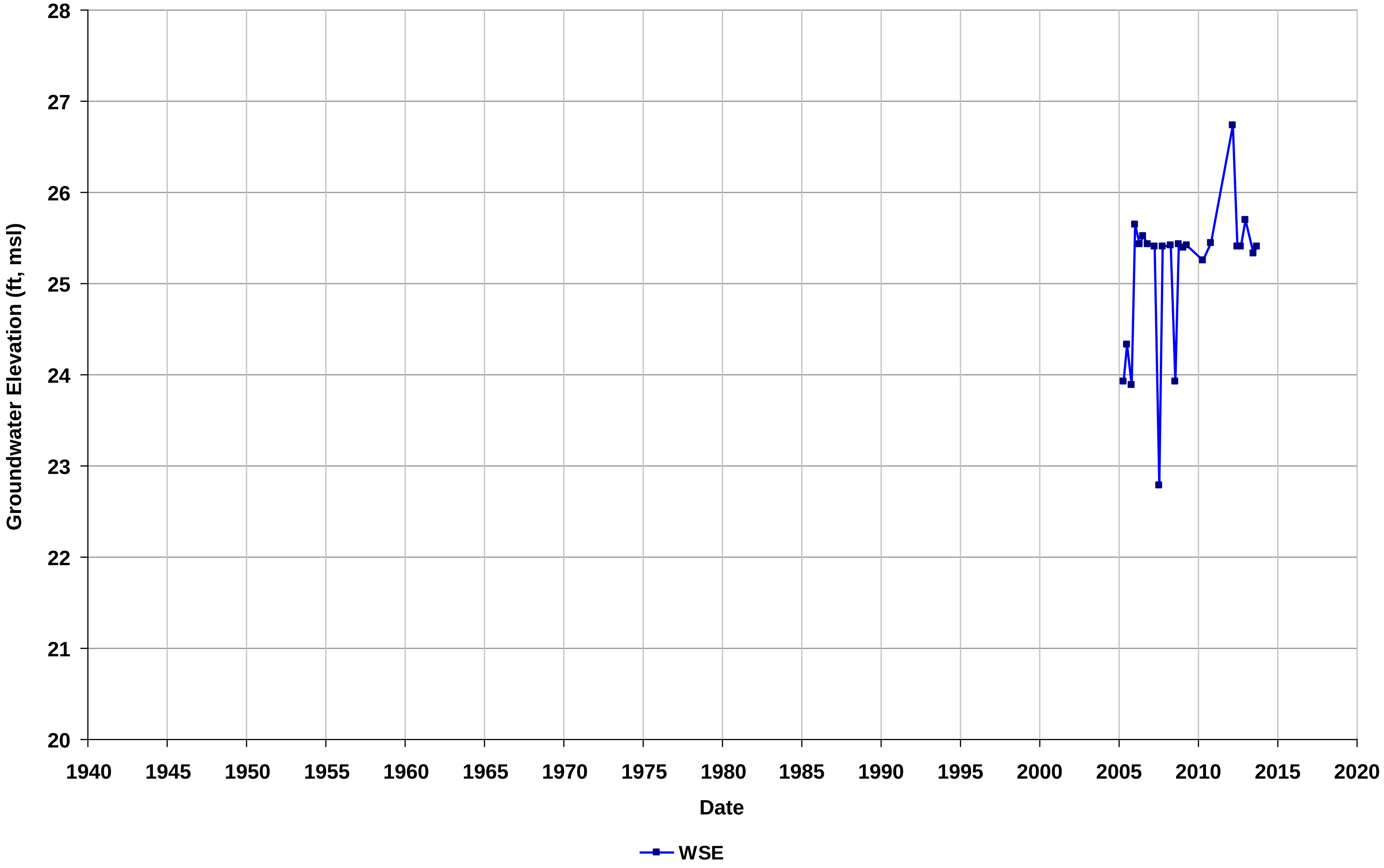
Well Name: T0600101365-MW-1
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 18
Perf. Interval (ft bgs): 31.55-52
T/R/S: 01S/04W/23
Well Use: Observation



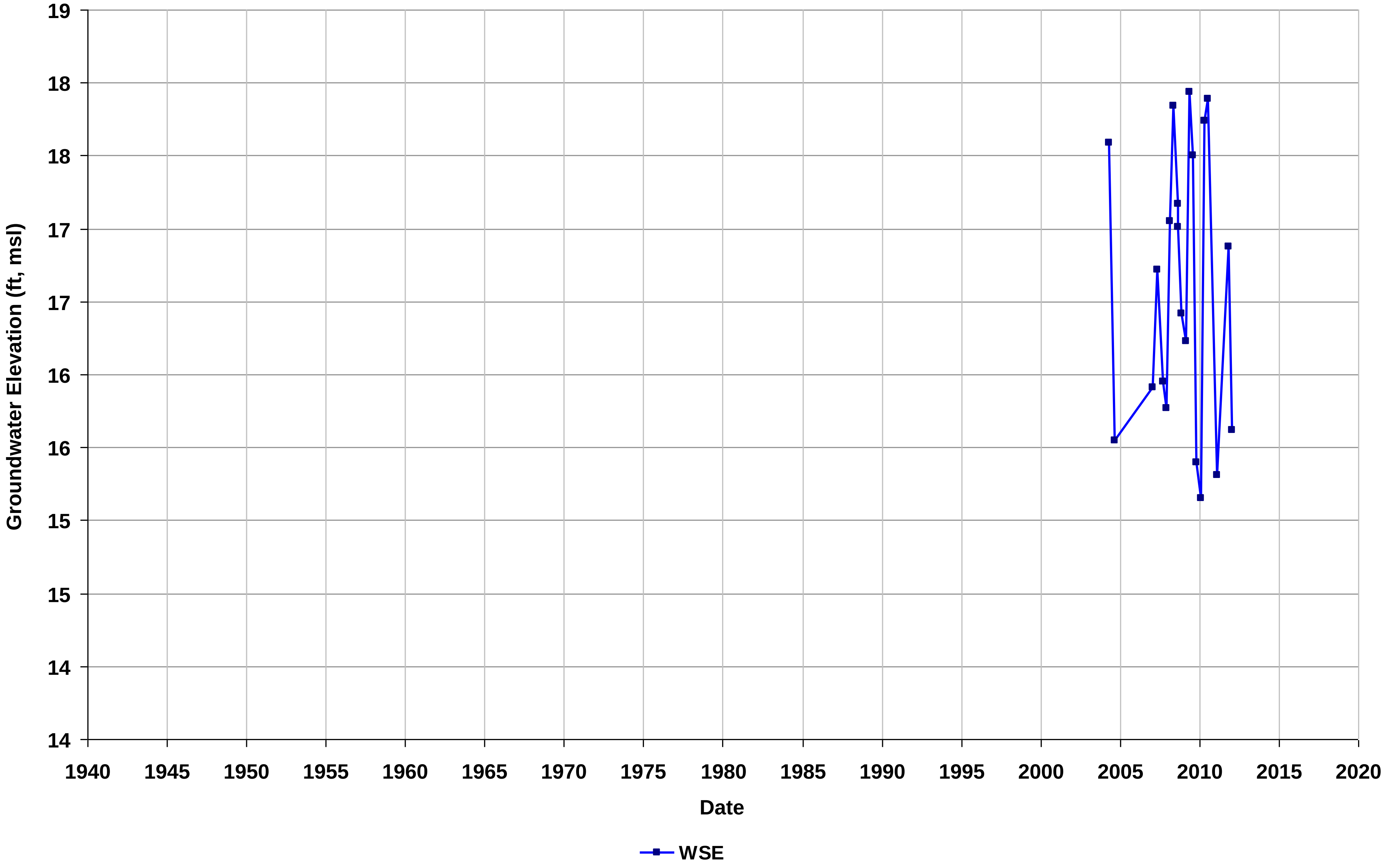
Well Name: T0600101365-MW-3
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 24
Perf. Interval (ft bgs): 31.15-51
T/R/S: 01S/04W/23
Well Use: Observation



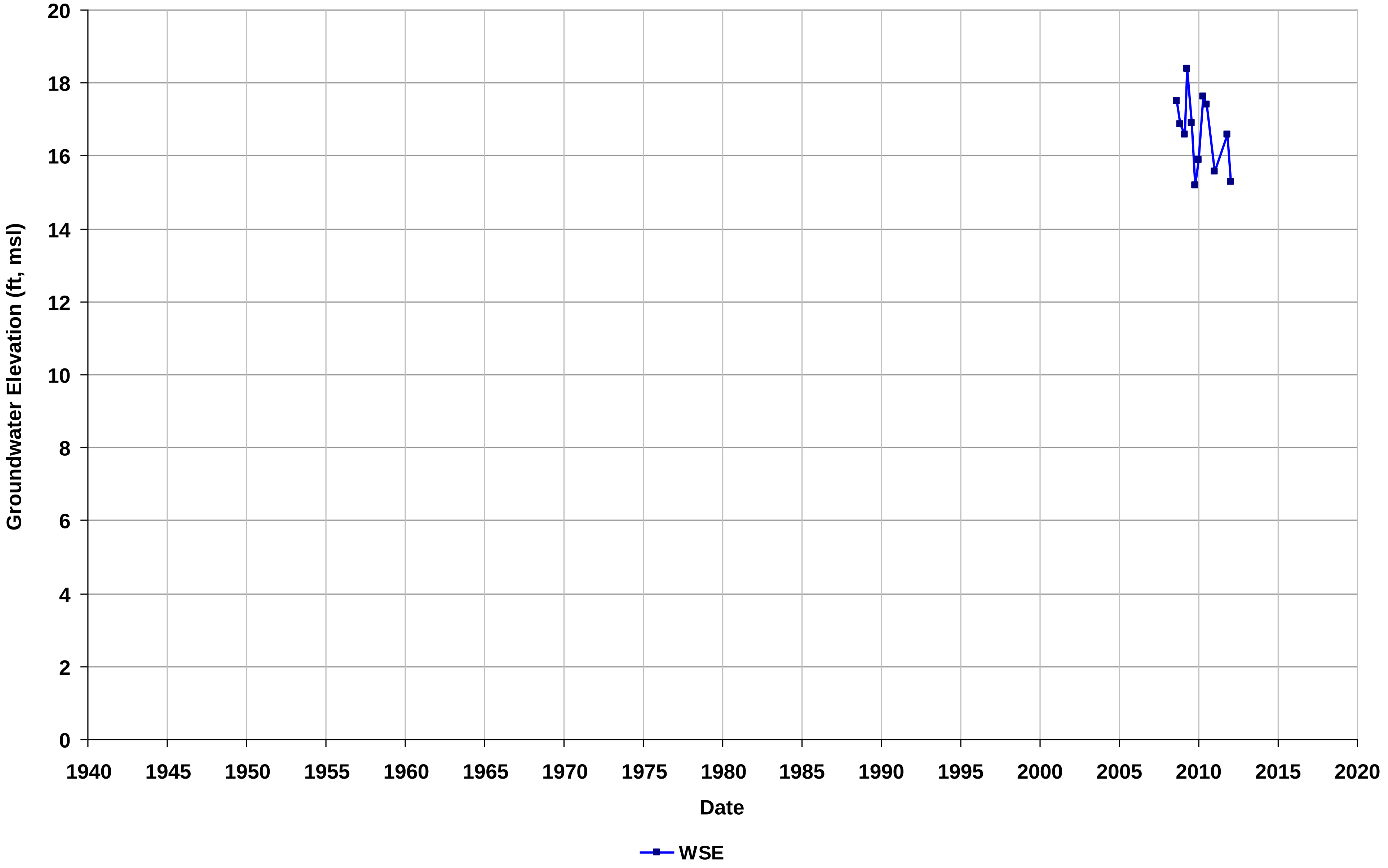
Well Name: T0600101412-MW-1
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 62
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



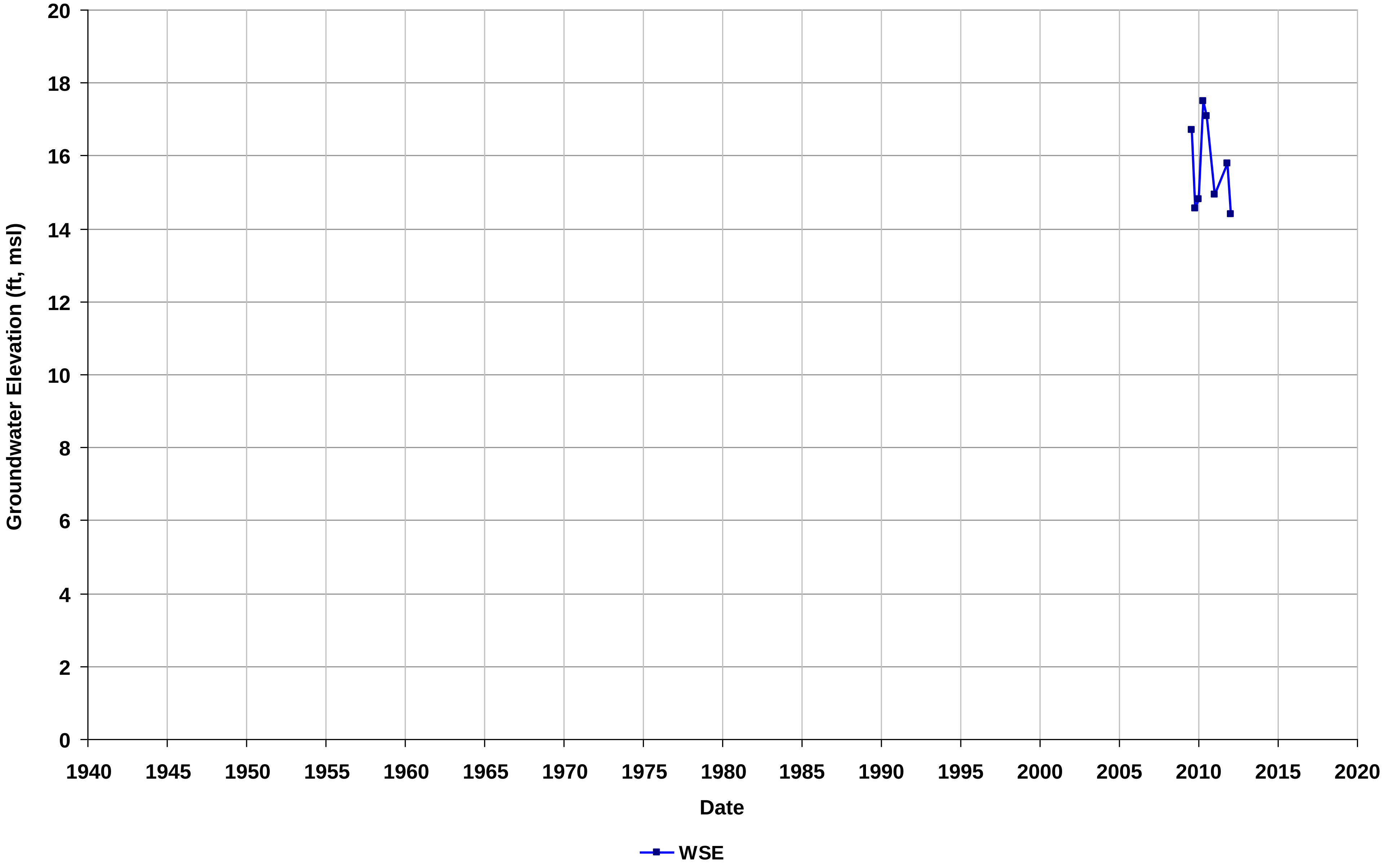
Well Name: T0600101412-MW-11
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 58
Perf. Interval (ft bgs): 45-60
T/R/S: n/a
Well Use: Observation



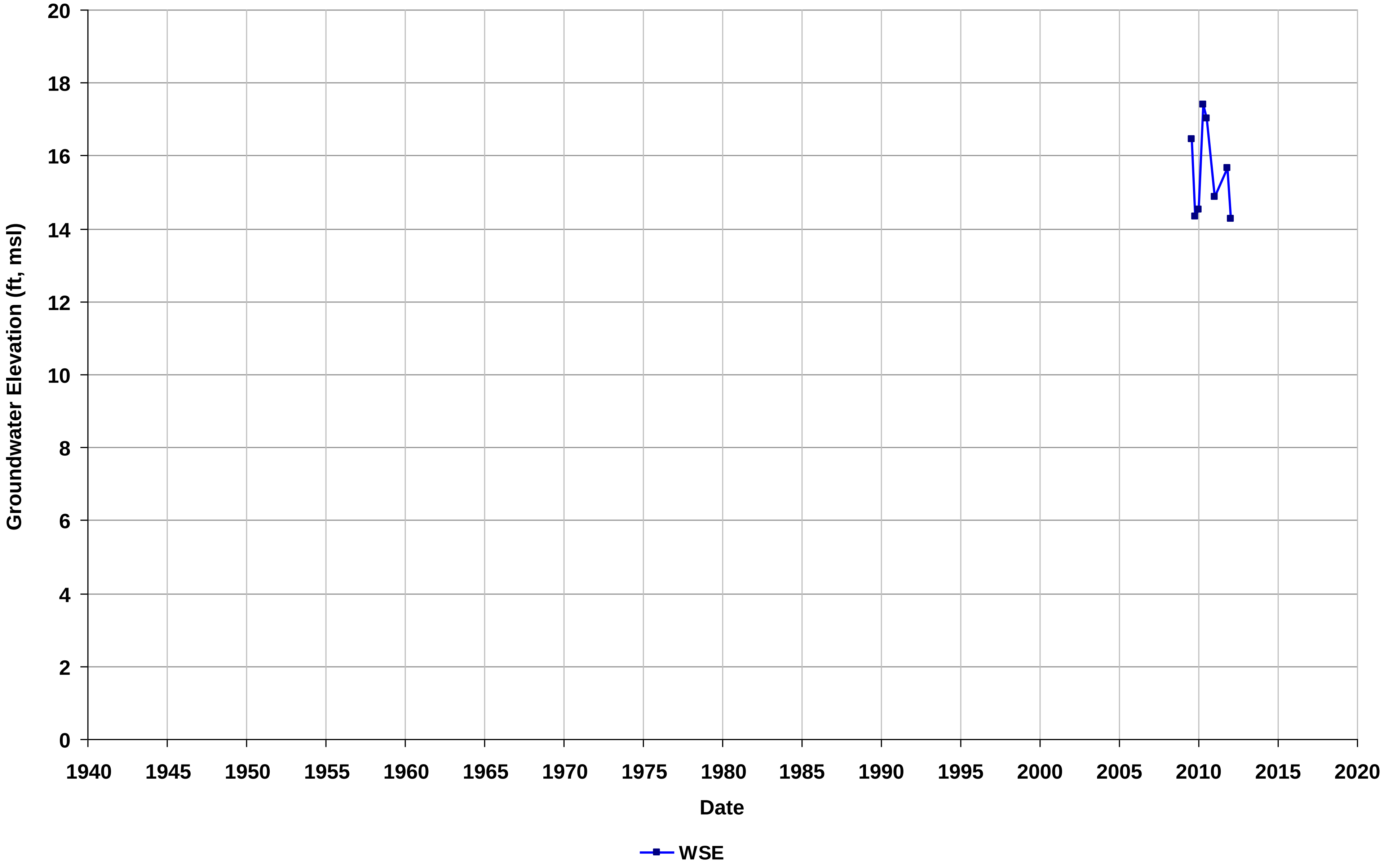
Well Name: T0600101412-MW-12
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 57
Perf. Interval (ft bgs): 44-60
T/R/S: n/a
Well Use: Observation



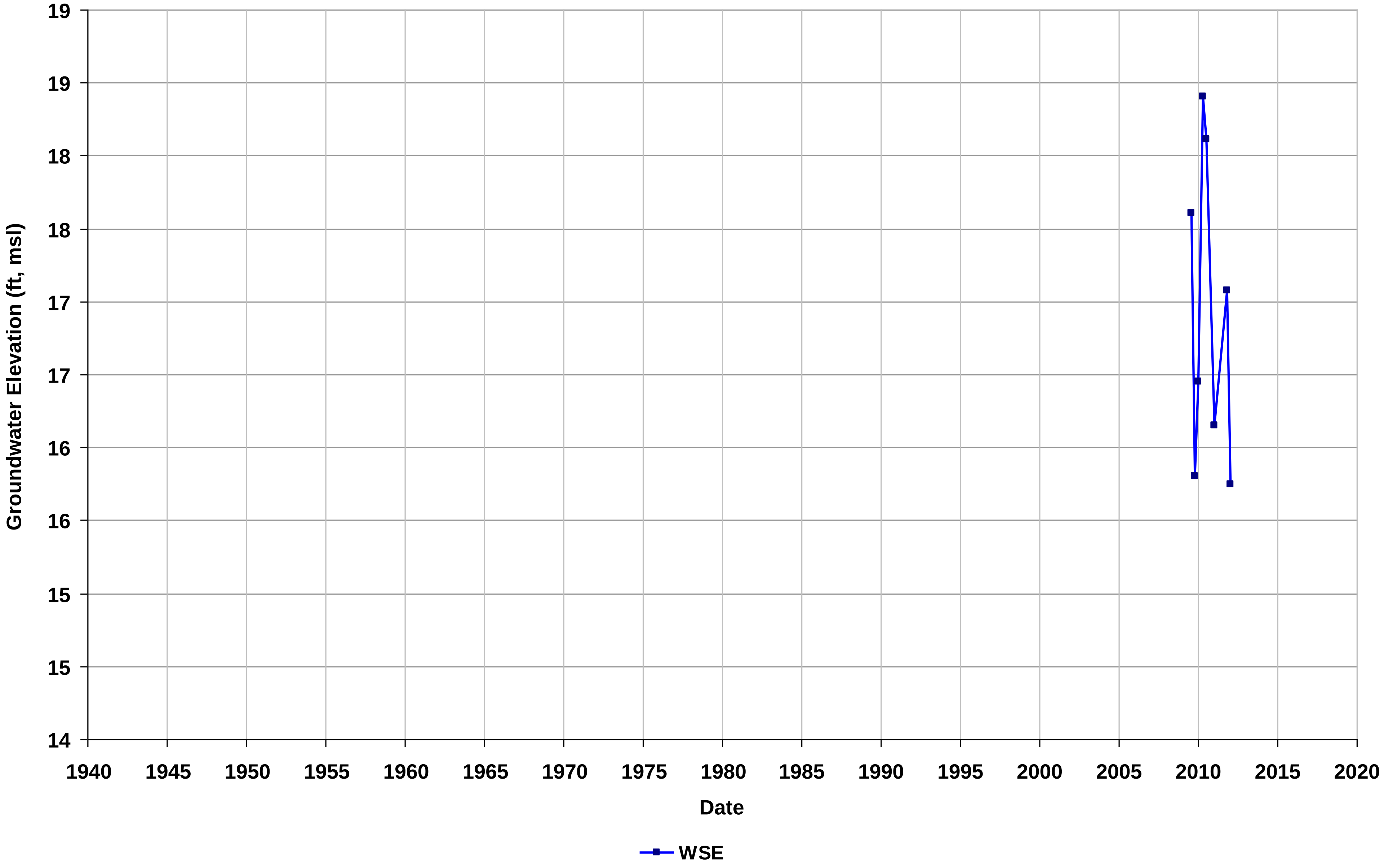
Well Name: T0600101412-MW-13
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 58
Perf. Interval (ft bgs): 42-57
T/R/S: n/a
Well Use: Observation



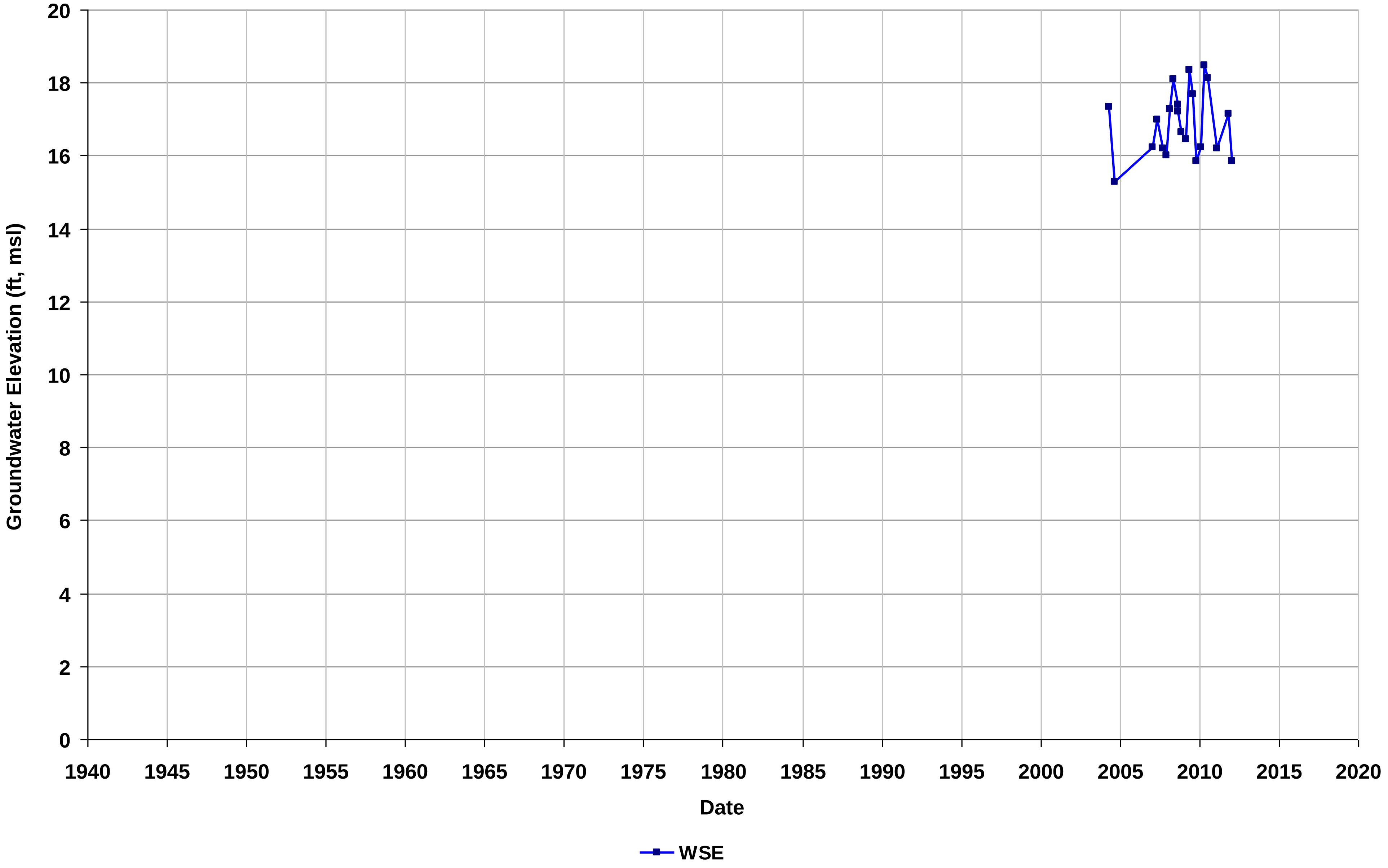
Well Name: T0600101412-MW-14
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 58
Perf. Interval (ft bgs): 42-57
T/R/S: n/a
Well Use: Observation



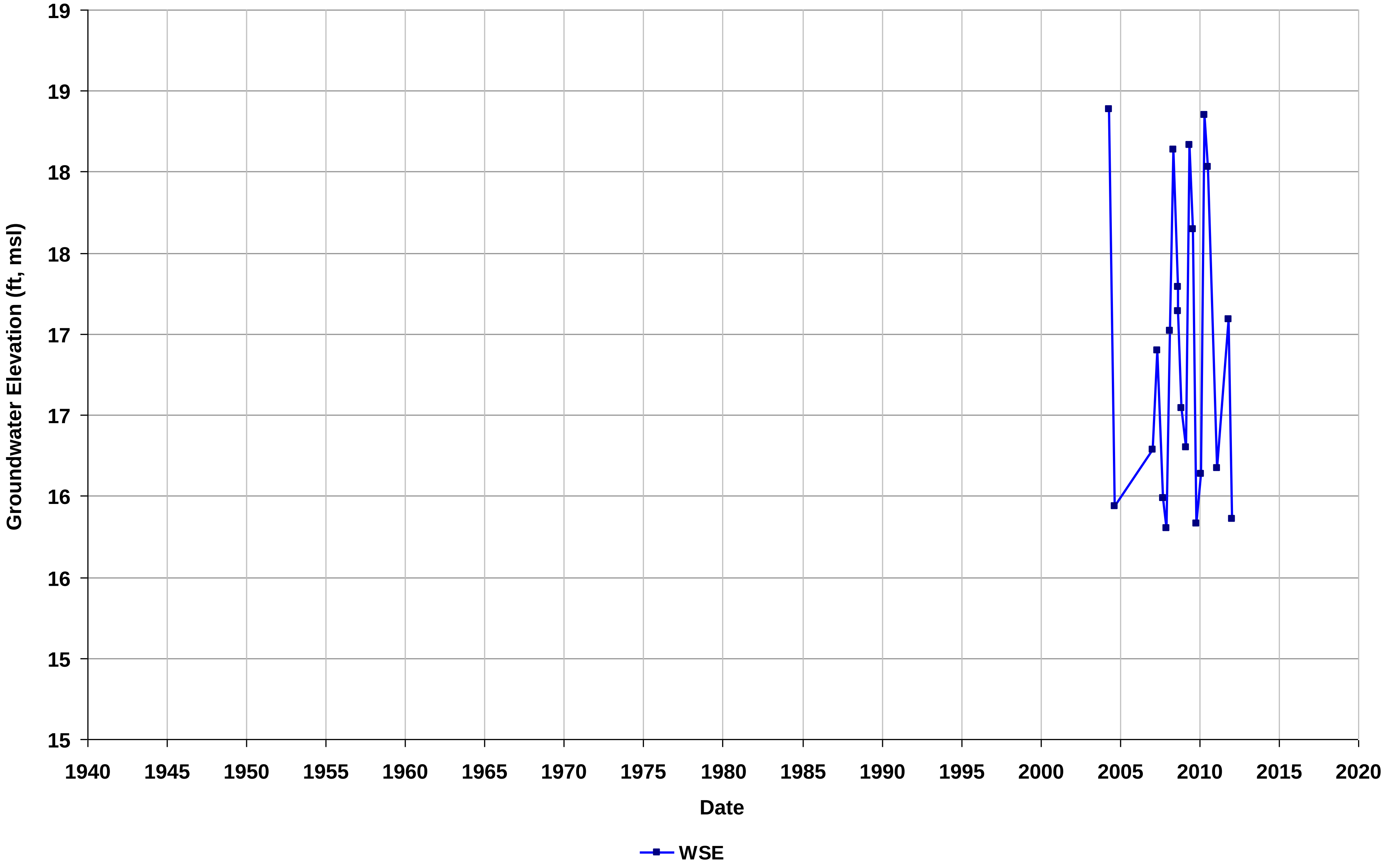
Well Name: T0600101412-MW-2
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 66
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



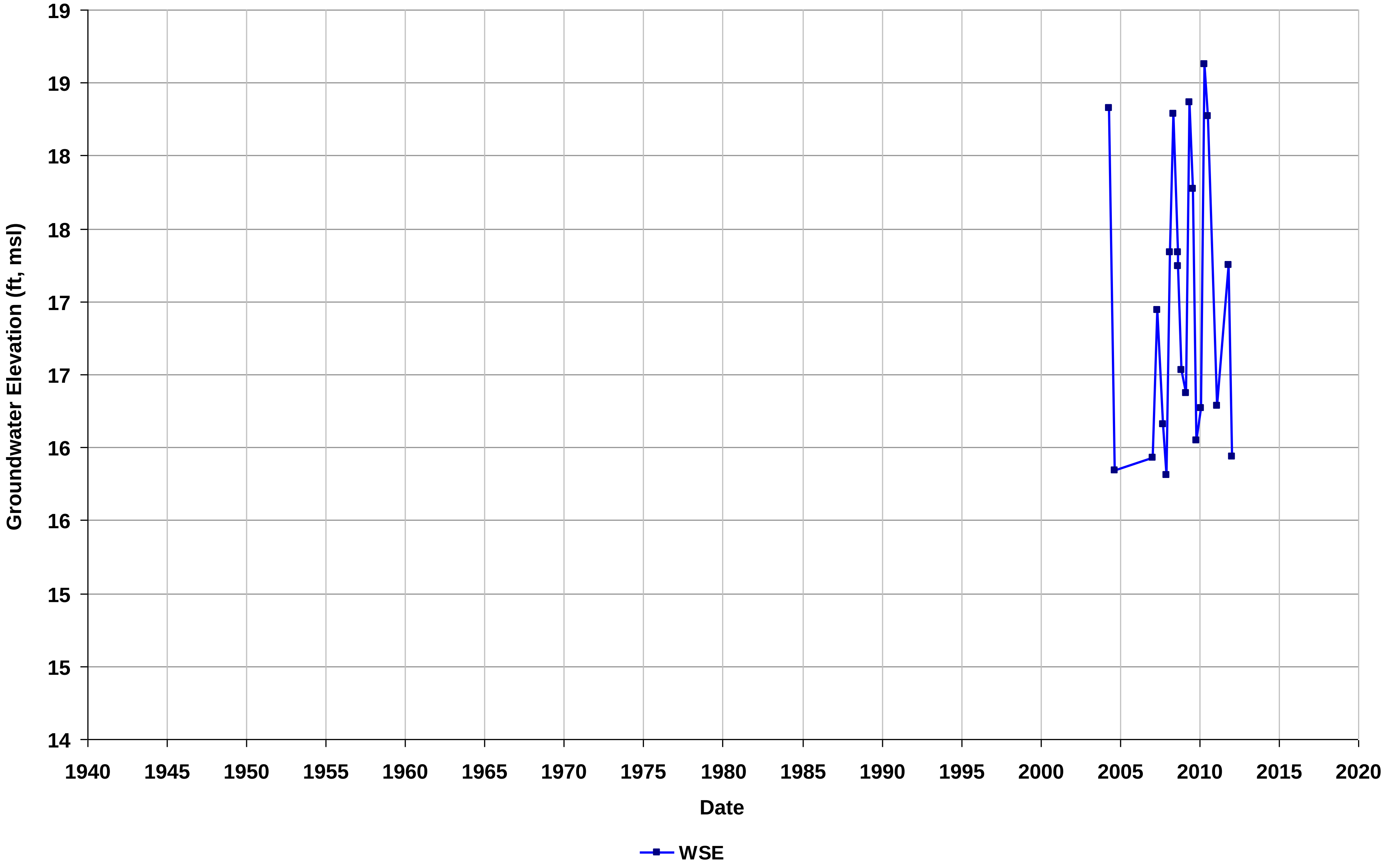
Well Name: T0600101412-MW-3
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 69
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



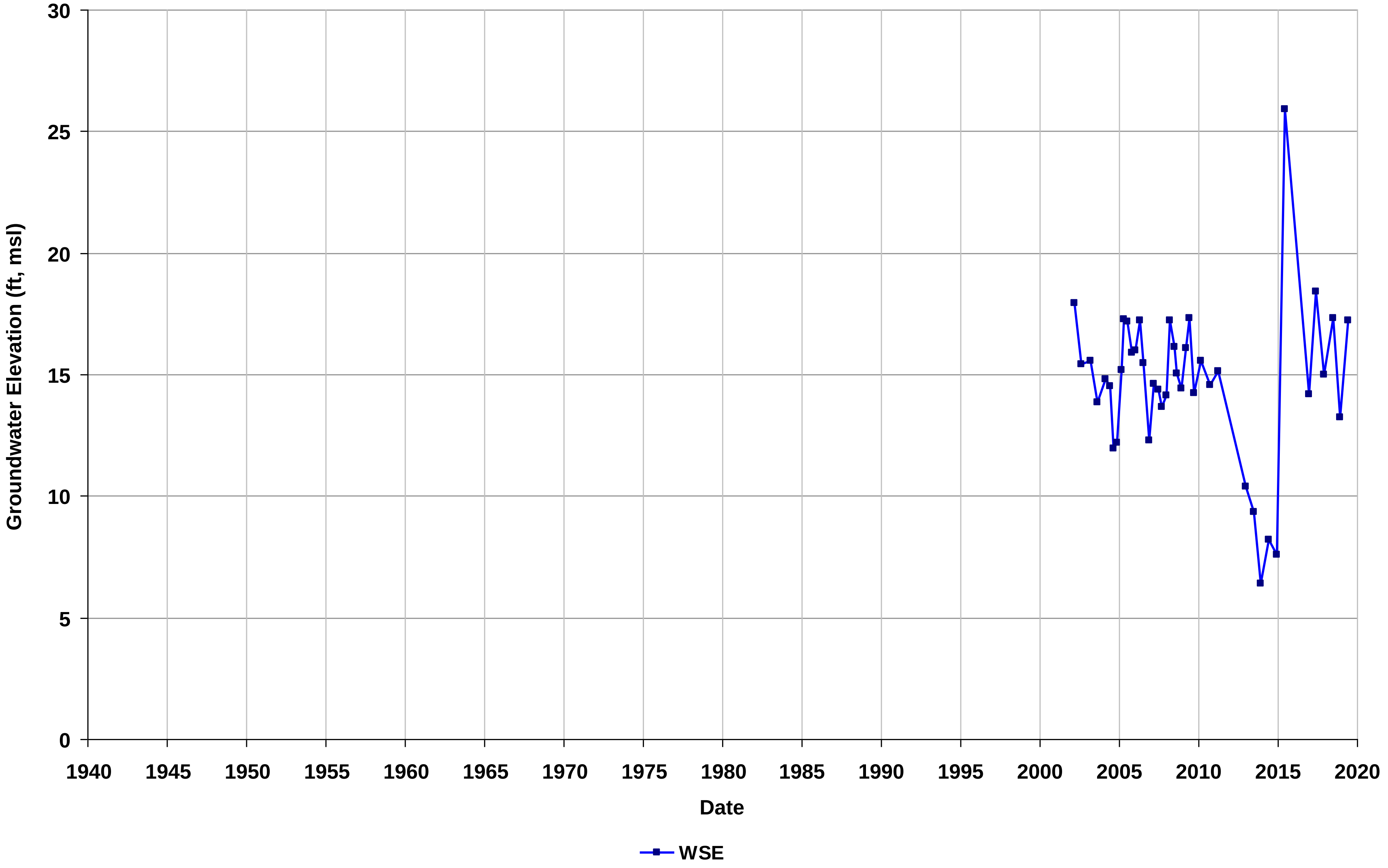
Well Name: T0600101412-MW-4
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 57
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



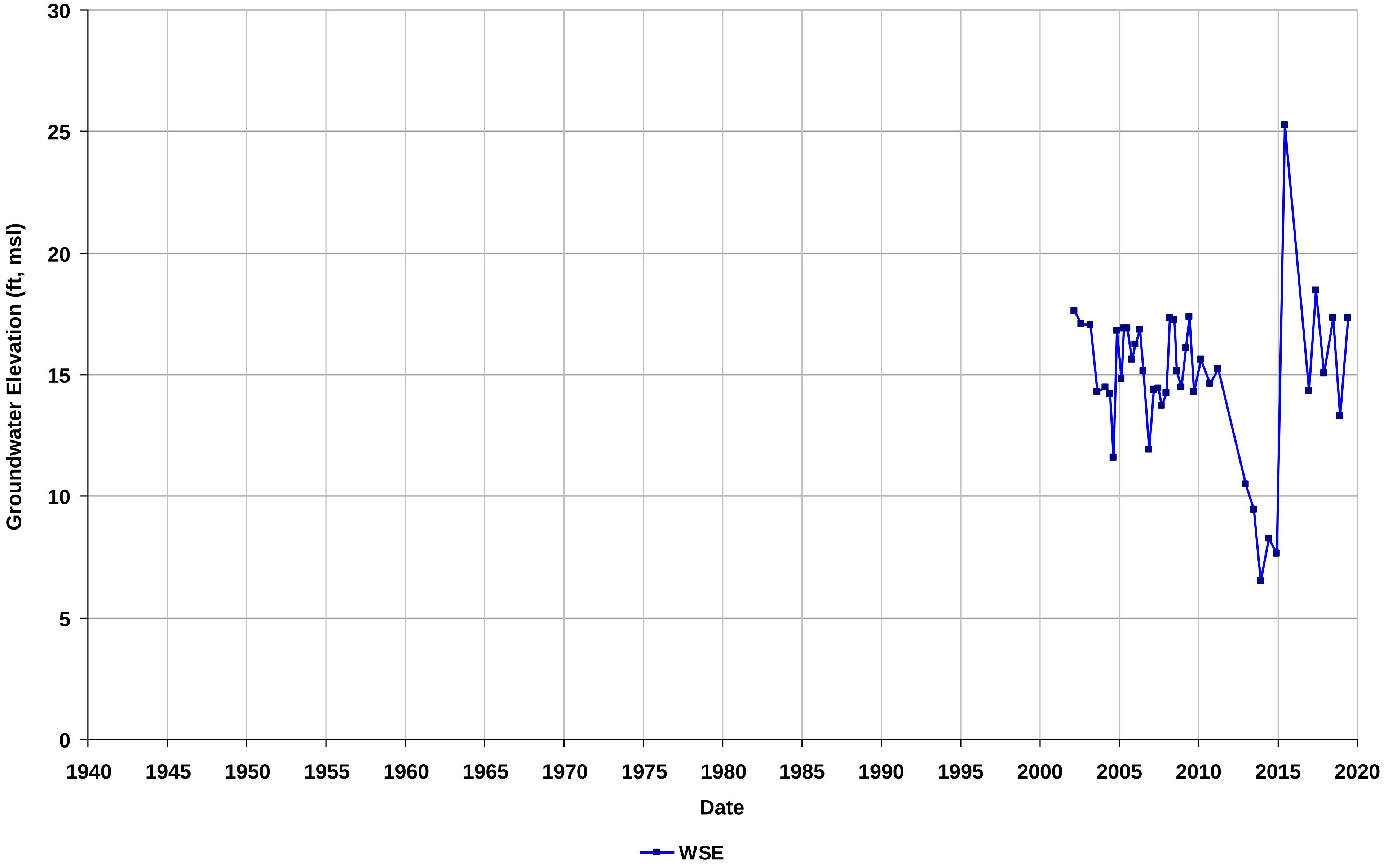
Well Name: T0600101480-MW-5
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 72
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



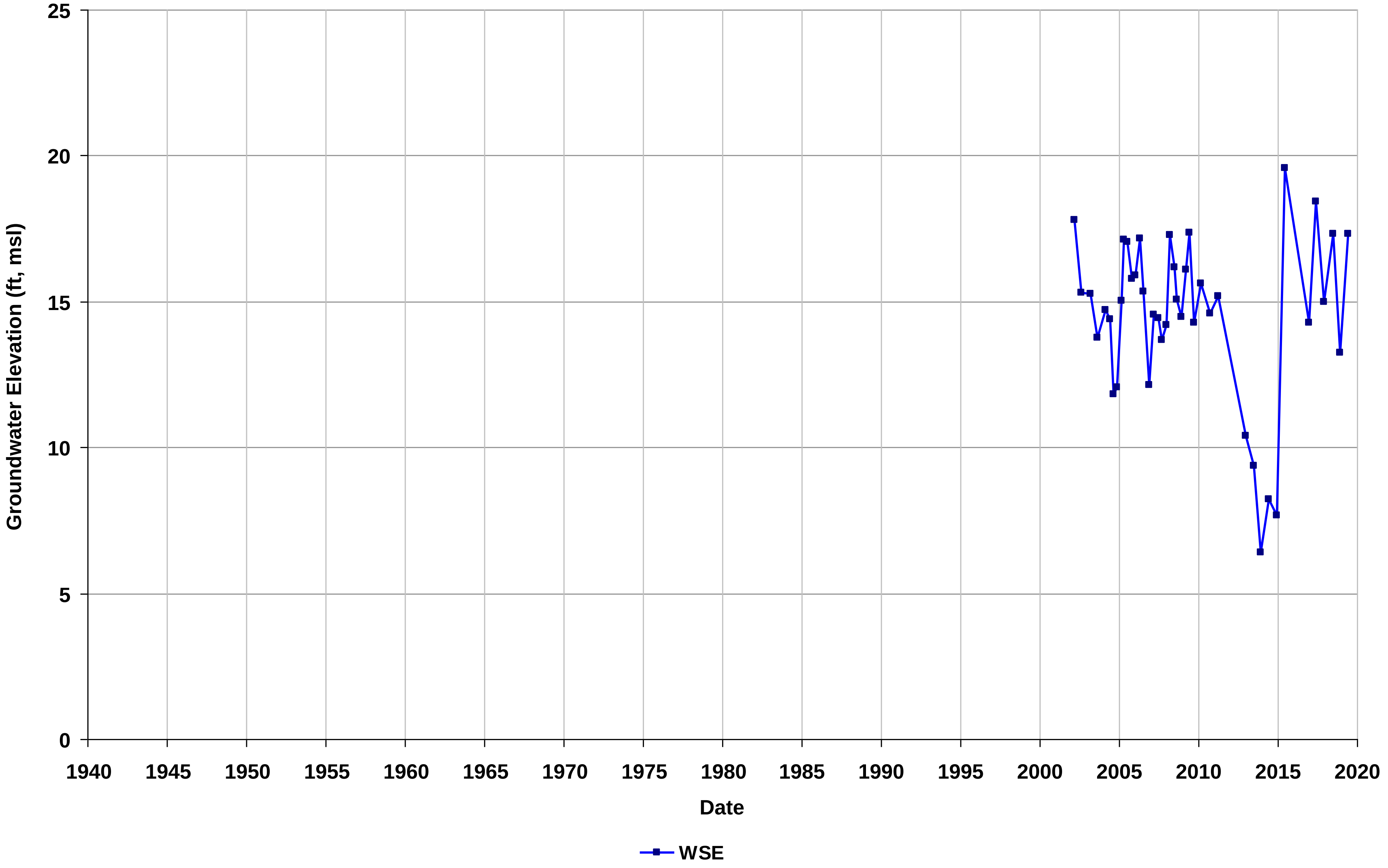
Well Name: T0600101480-MW-6
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 67
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



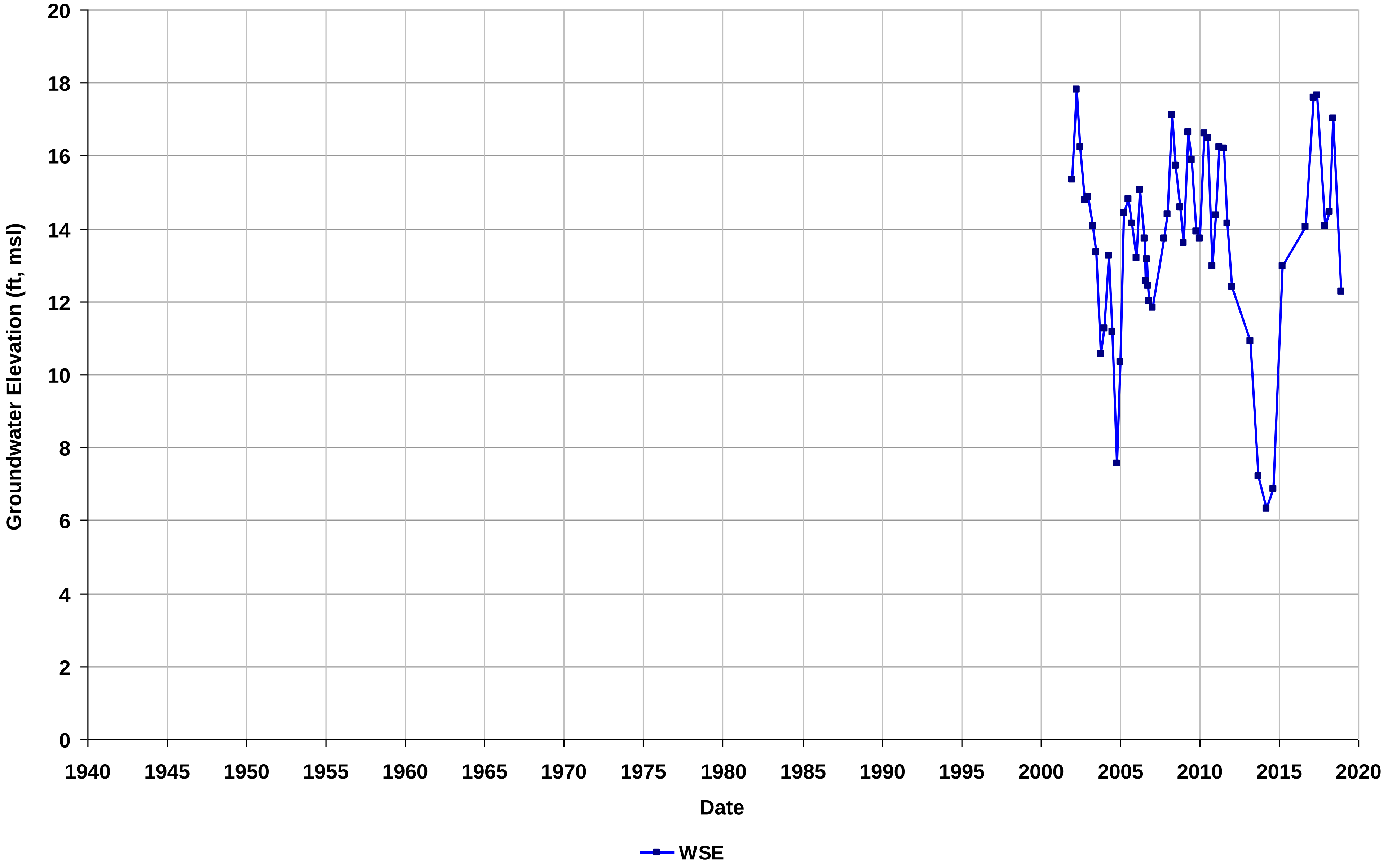
Well Name: T0600101480-MW-7
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 71
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



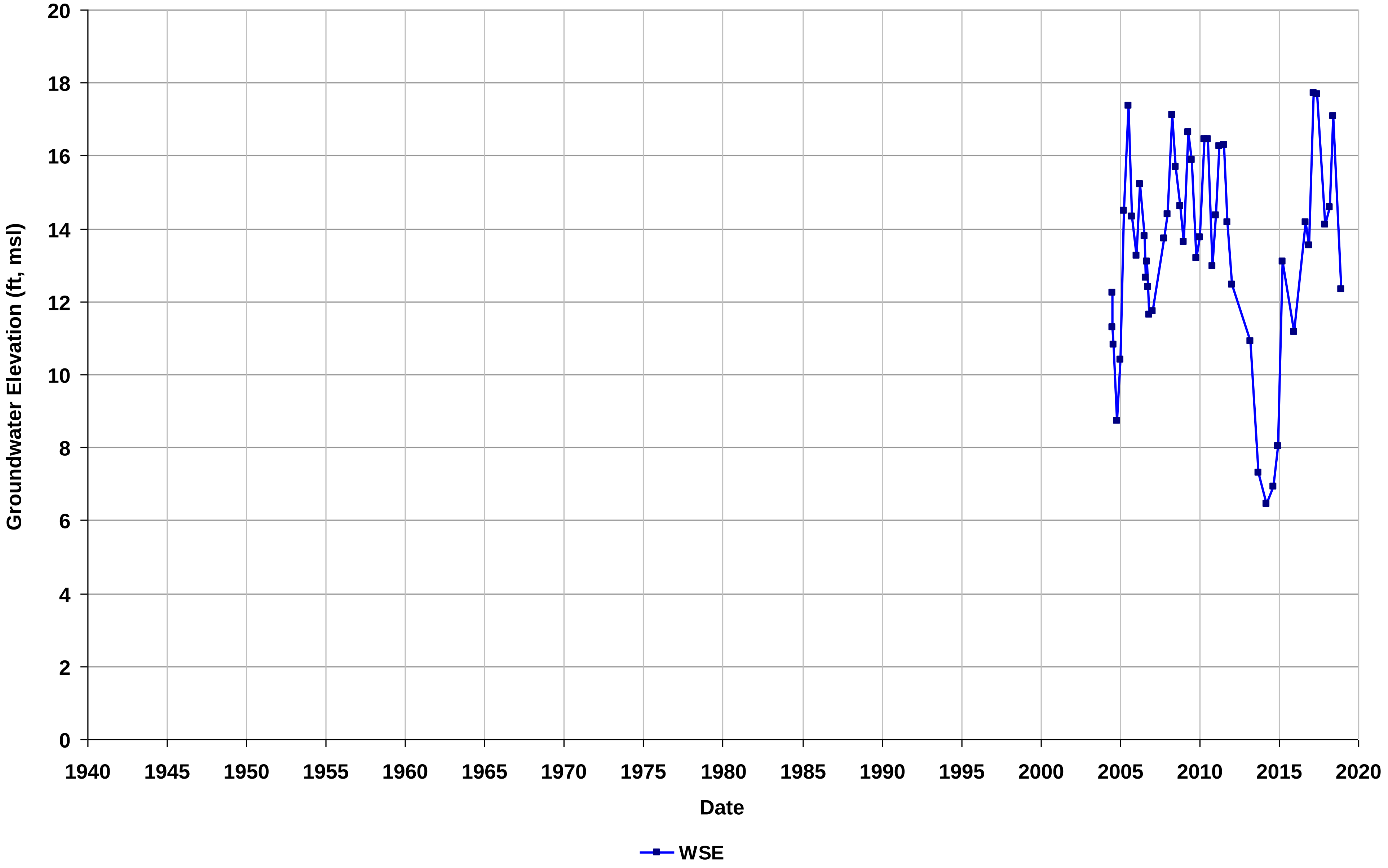
Well Name: T0600102073-MW-13
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 57
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



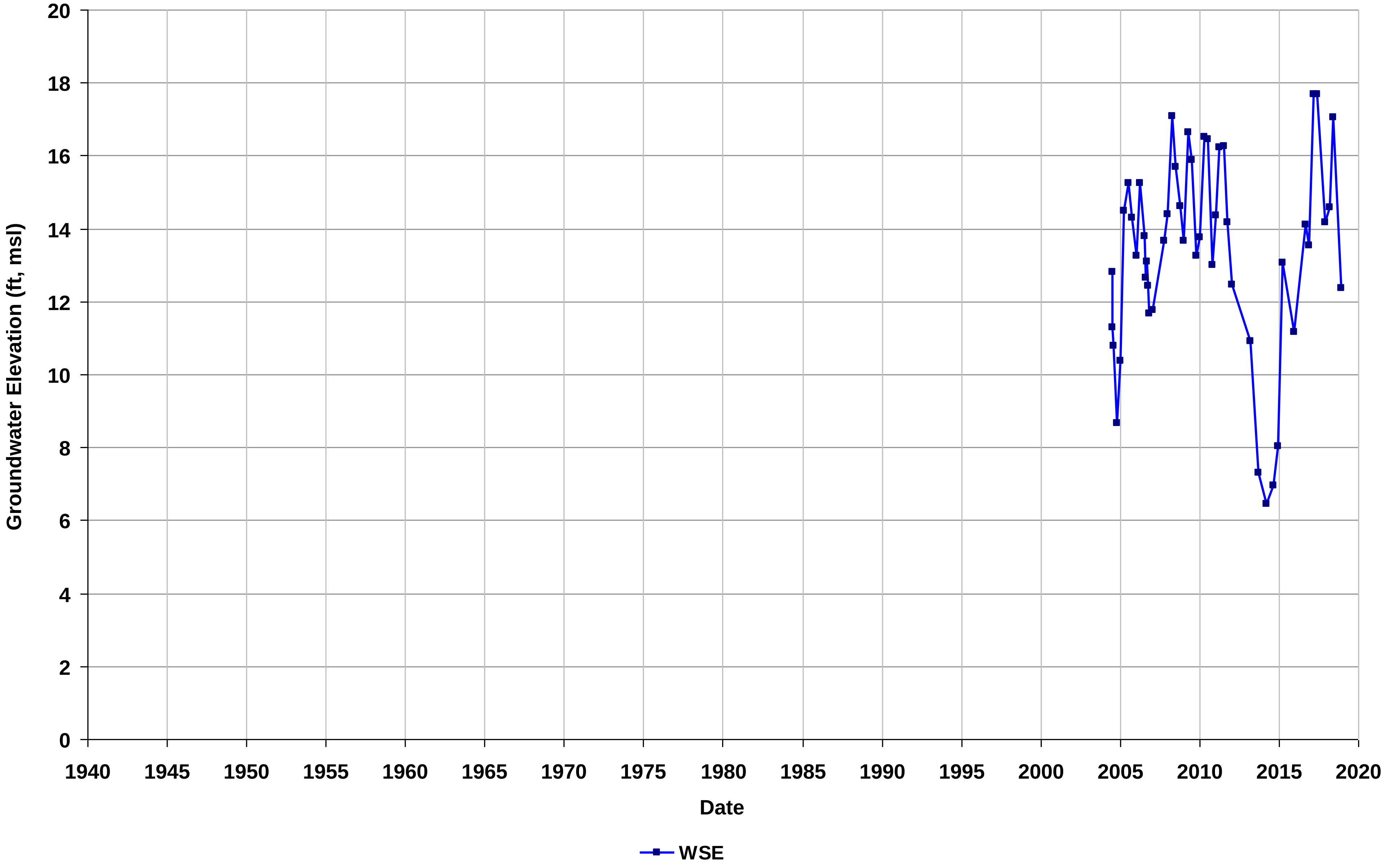
Well Name: T0600102073-MW-14
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 54
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



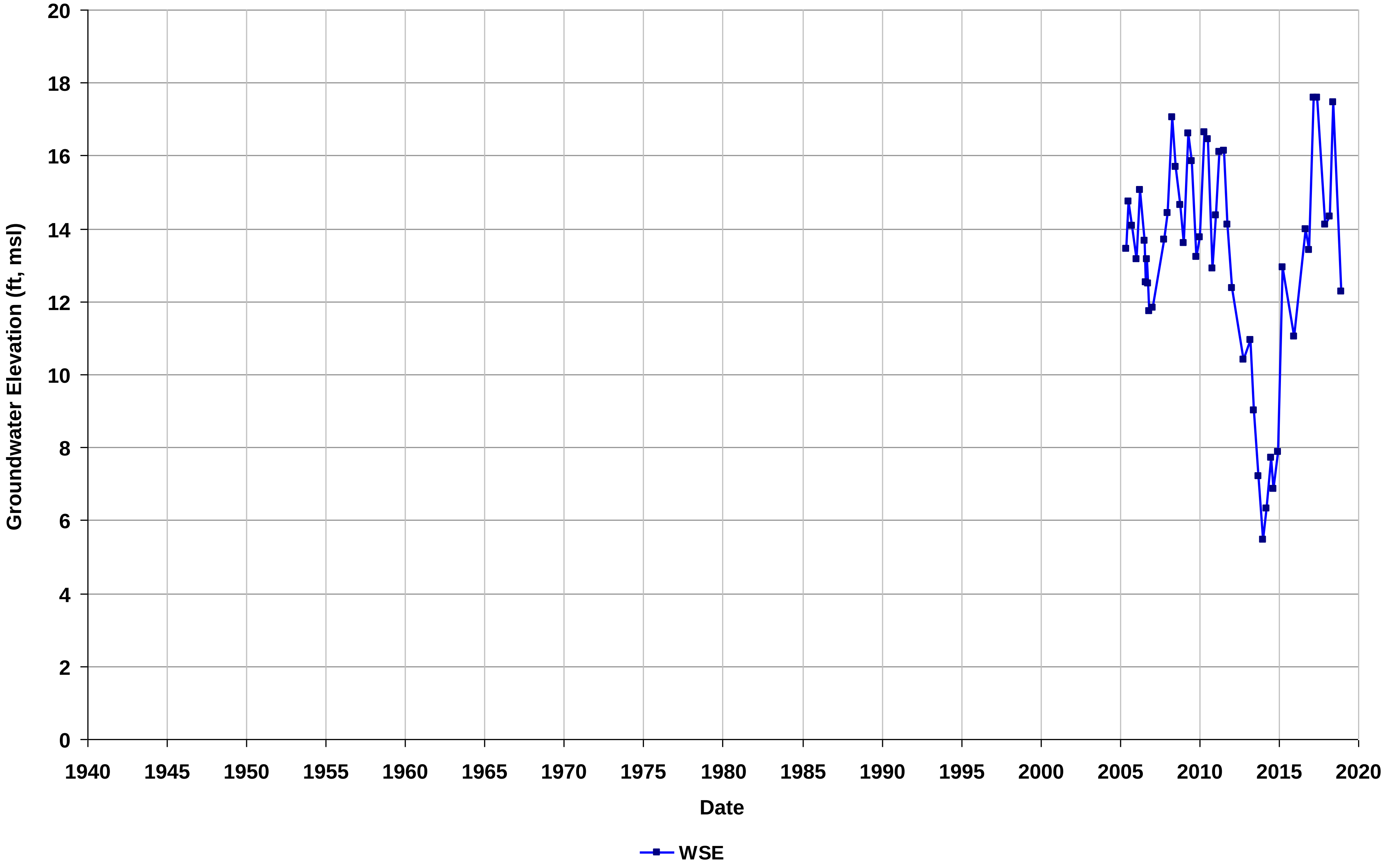
Well Name: T0600102073-MW-15
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 54
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



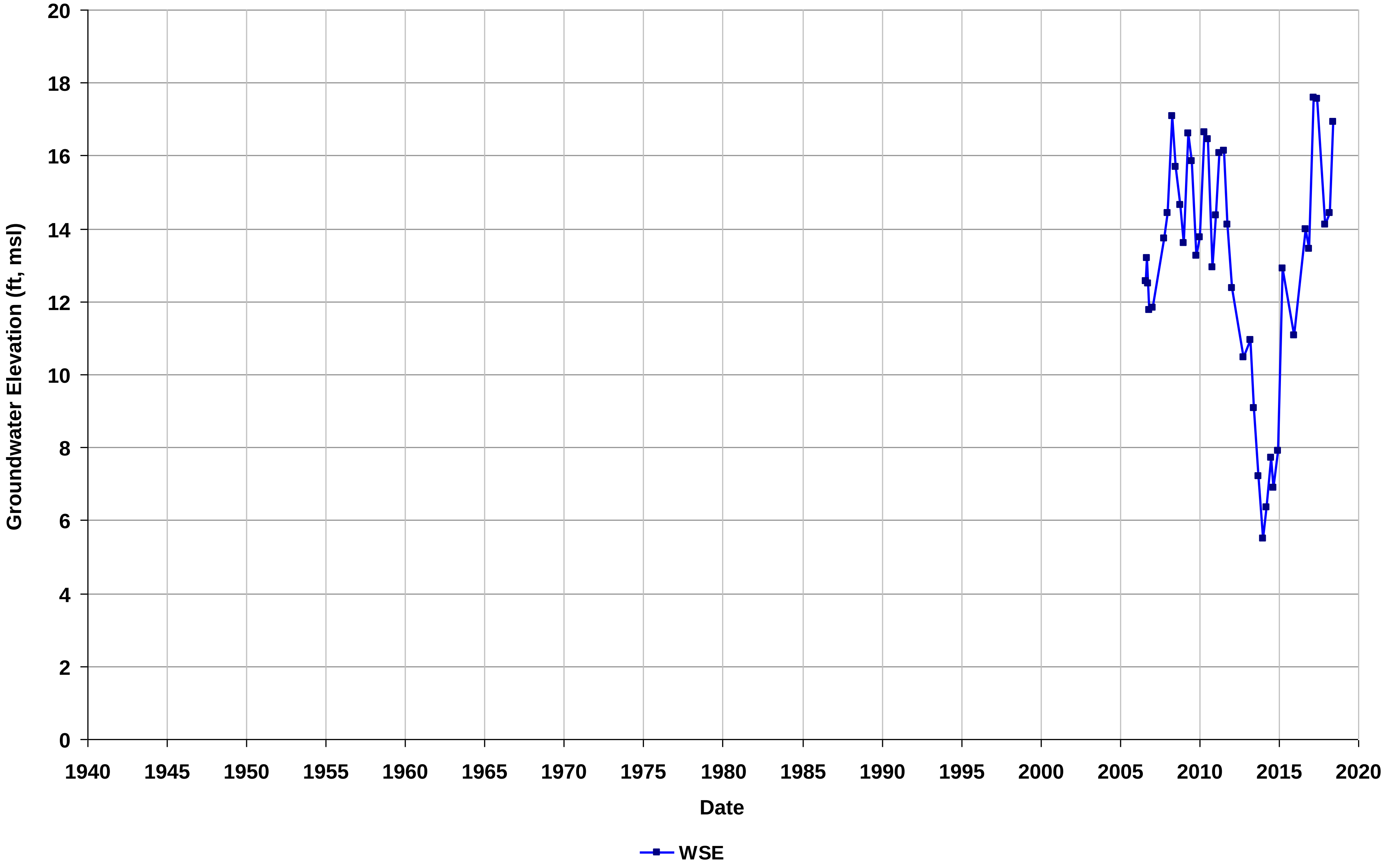
Well Name: T0600102073-MW-18
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 57
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



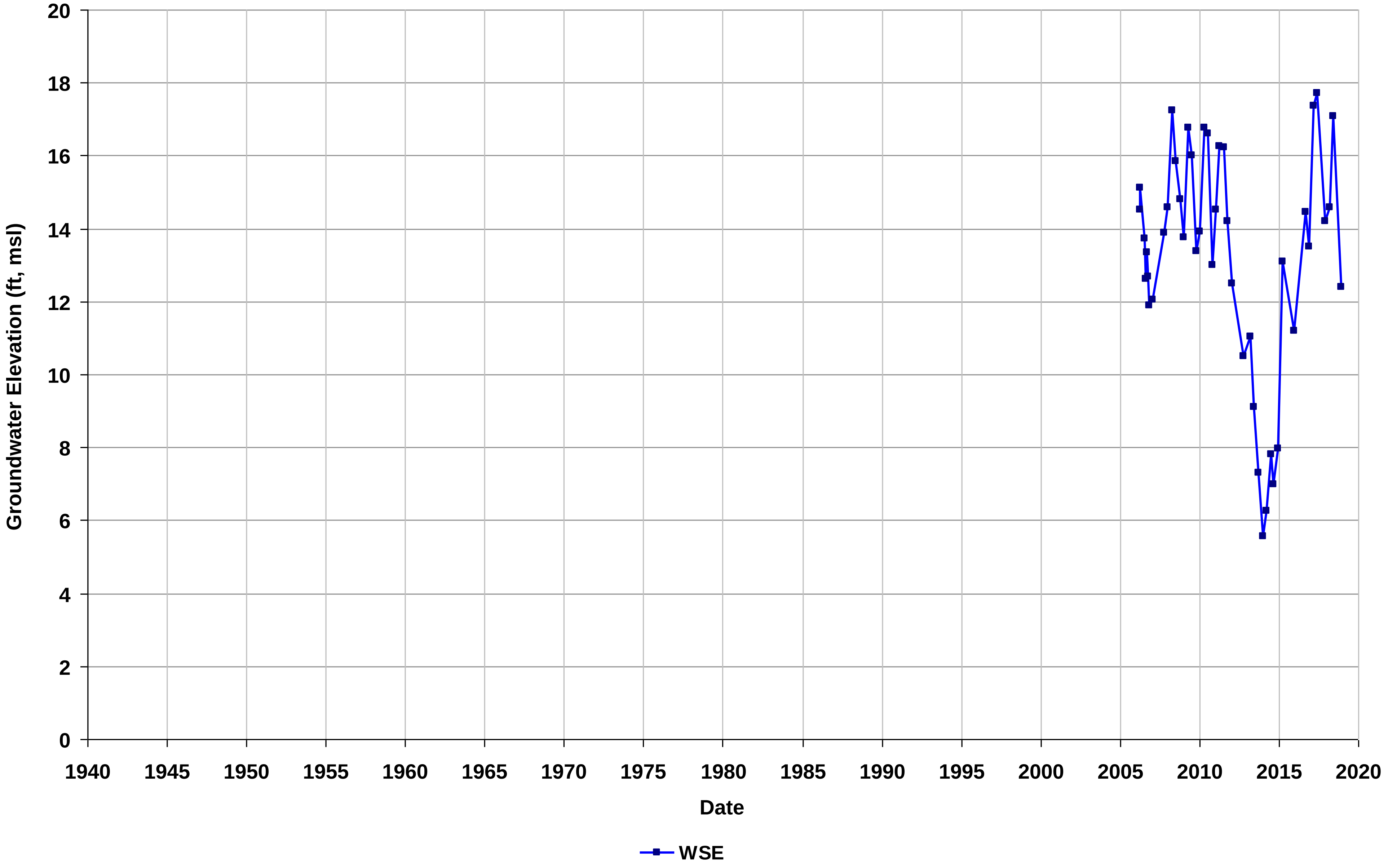
Well Name: T0600102073-MW-19
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 51-61
T/R/S: n/a
Well Use: Observation



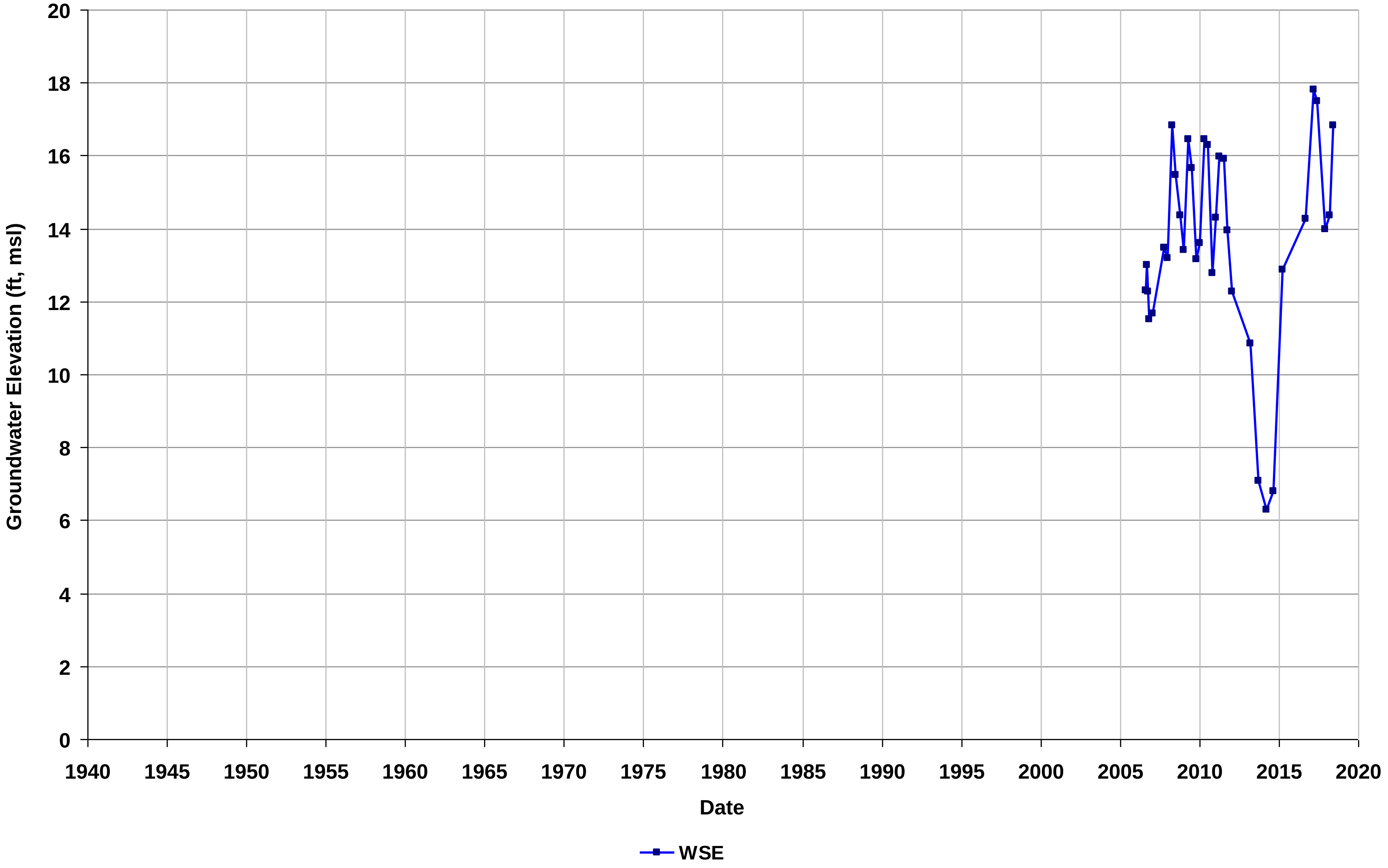
Well Name: T0600102073-MW-20
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 61
Perf. Interval (ft bgs): 49.66-60
T/R/S: n/a
Well Use: Observation



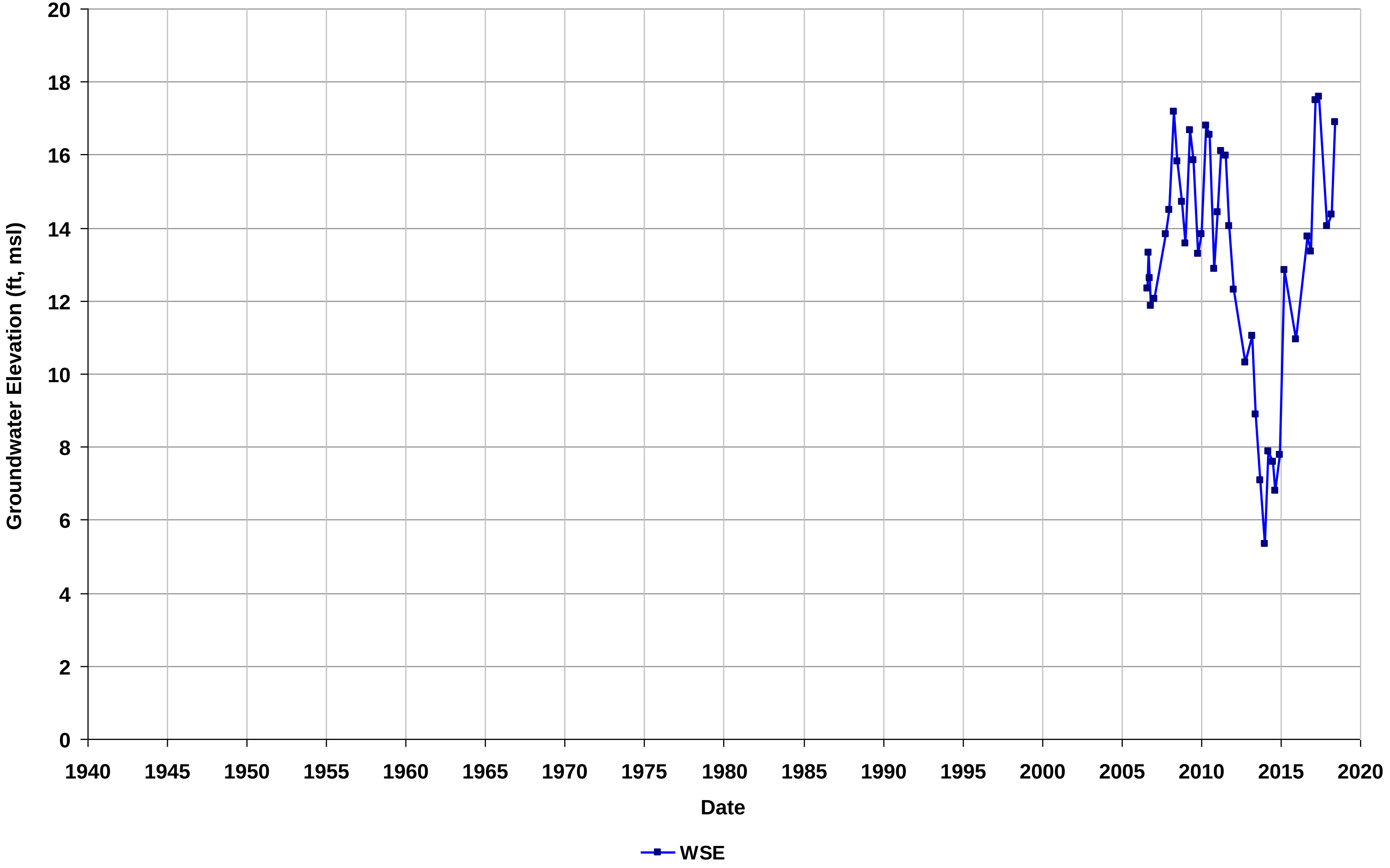
Well Name: T0600102073-MW-21
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 87-97
T/R/S: n/a
Well Use: Observation



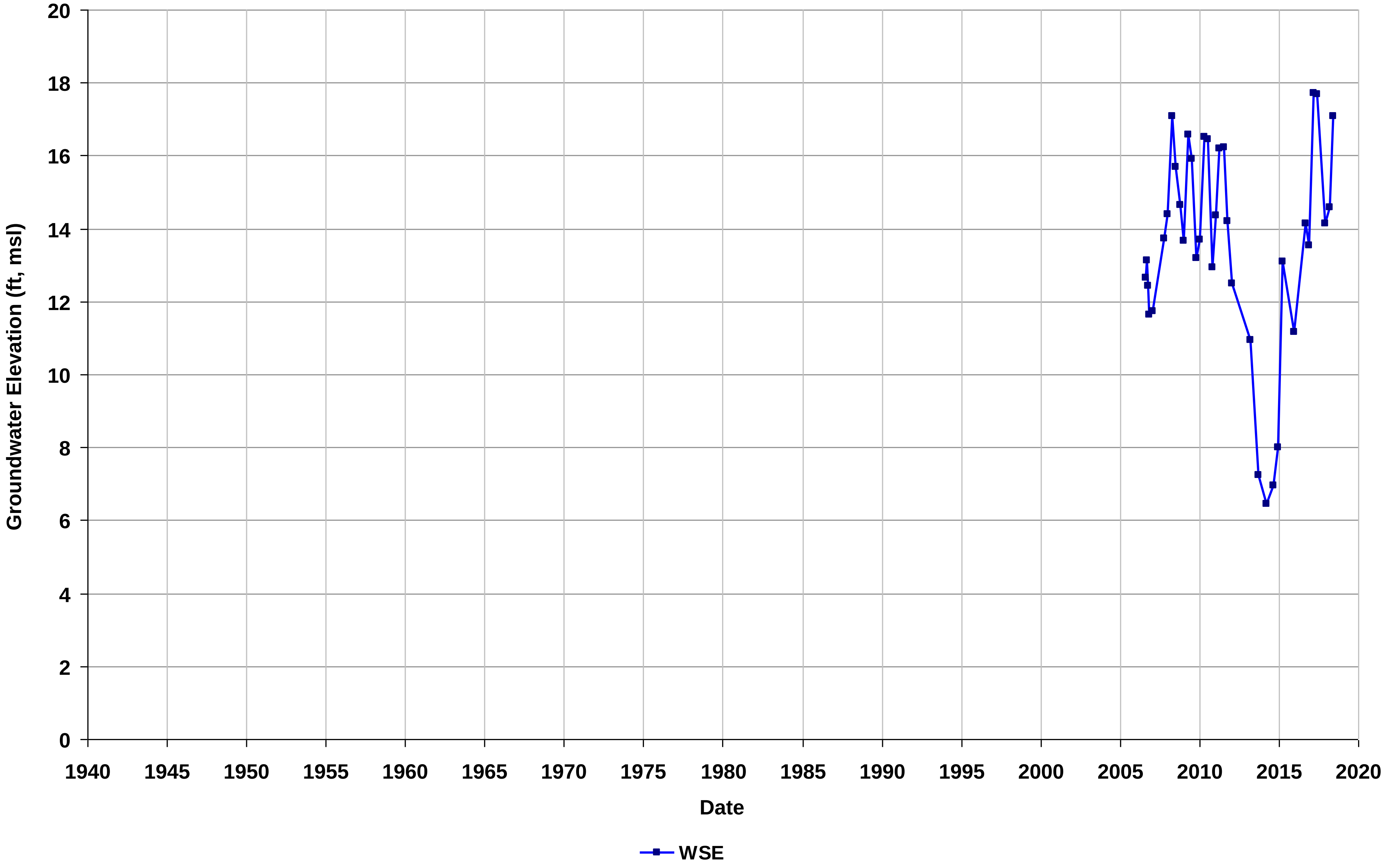
Well Name: T0600102073-MW-22
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 53-63
T/R/S: n/a
Well Use: Observation



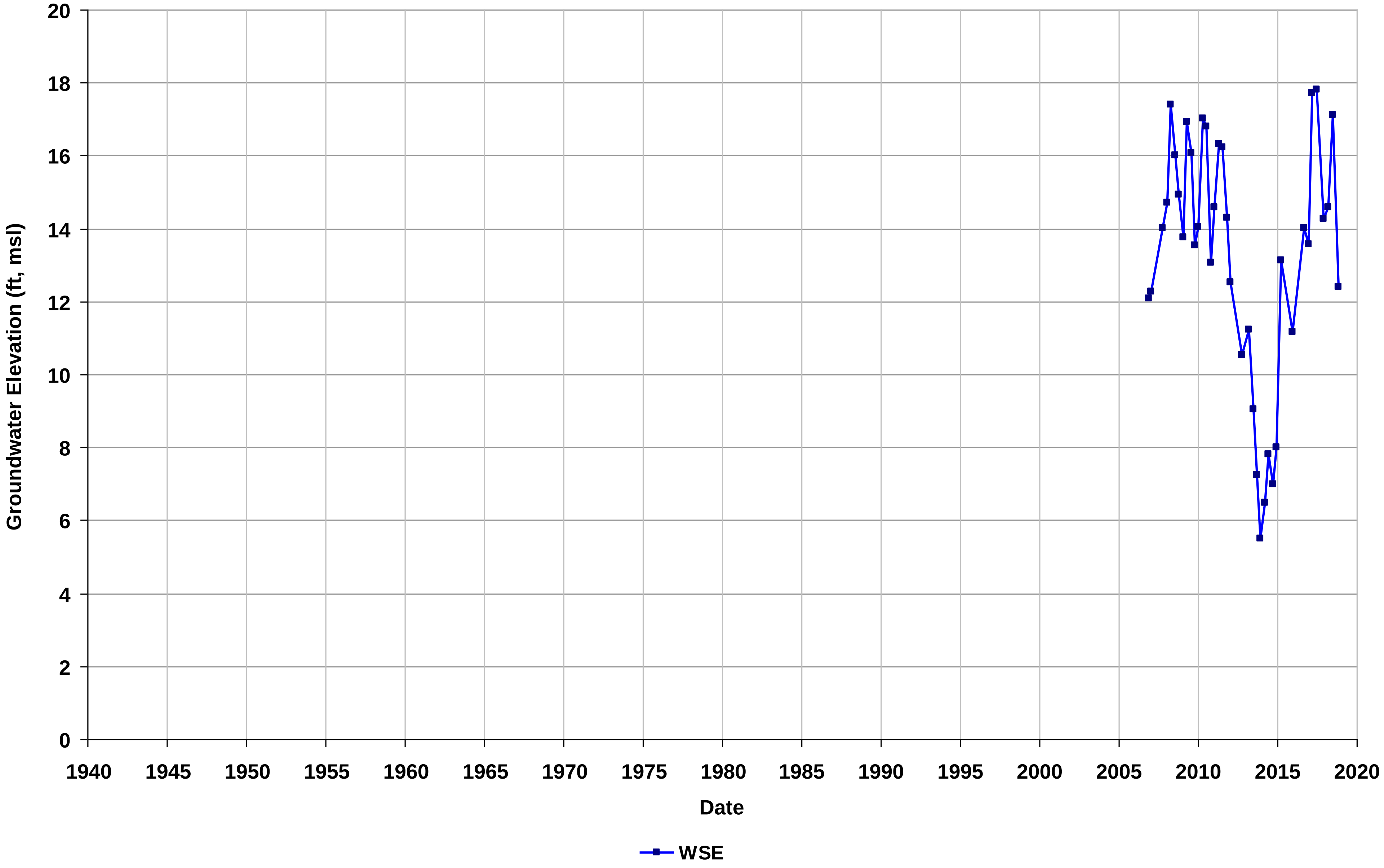
Well Name: T0600102073-MW-23
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 50-60
T/R/S: n/a
Well Use: Observation



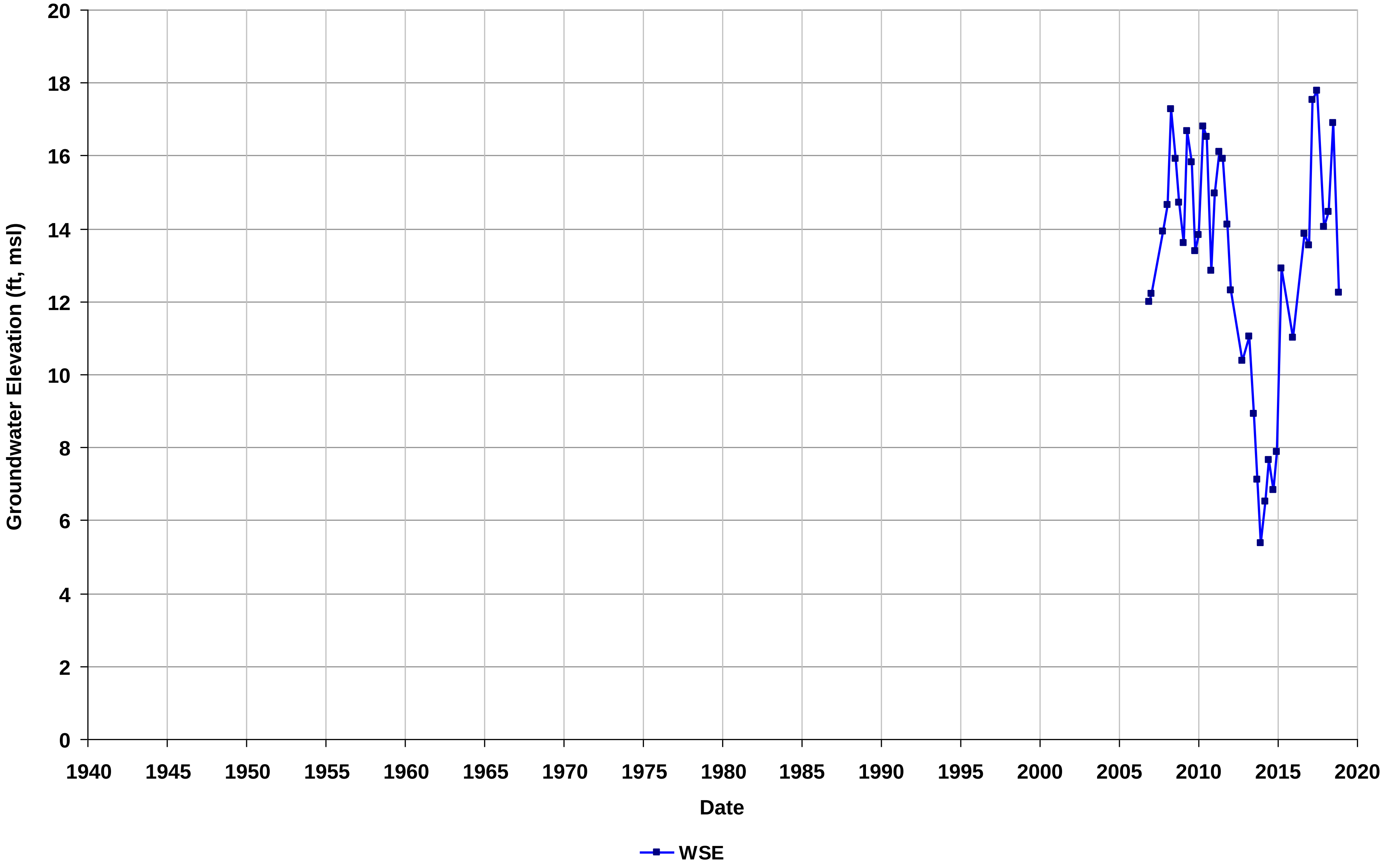
Well Name: T0600102073-MW-24
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 61
Perf. Interval (ft bgs): 51-61
T/R/S: n/a
Well Use: Observation



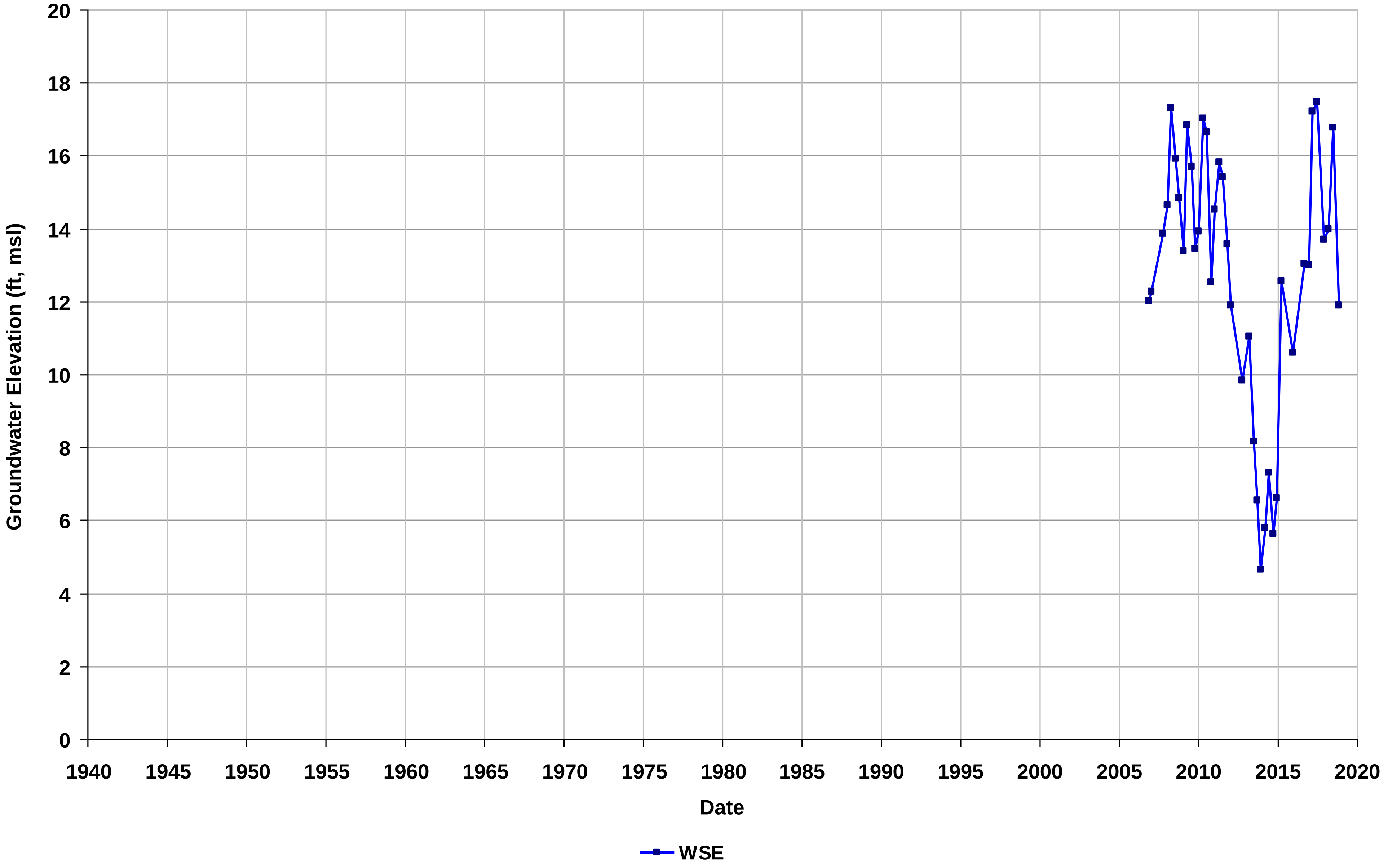
Well Name: T0600102073-MW-25
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 62
Perf. Interval (ft bgs): 53-63
T/R/S: n/a
Well Use: Observation



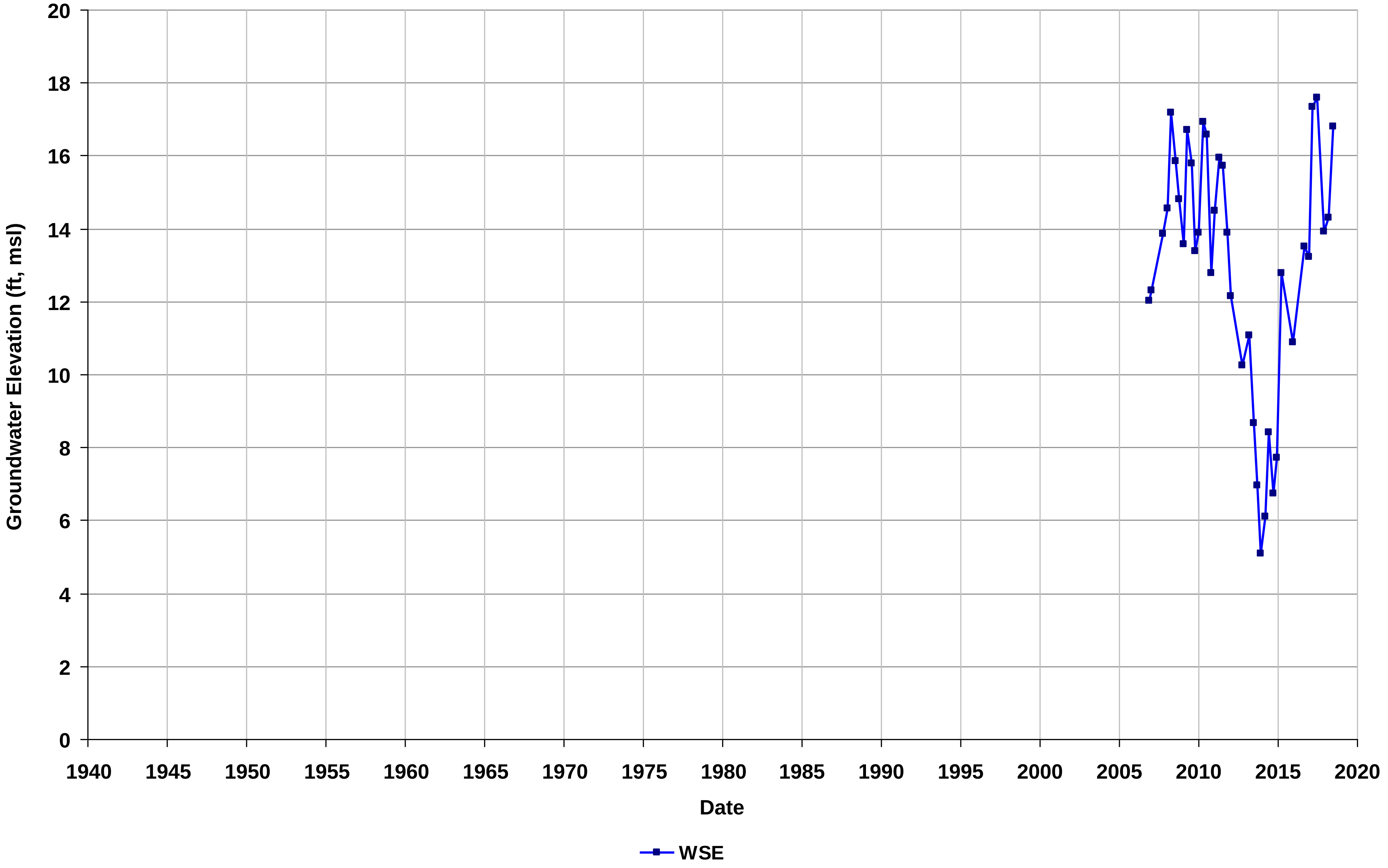
Well Name: T0600102073-MW-26
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 58
Perf. Interval (ft bgs): 50-60
T/R/S: n/a
Well Use: Observation



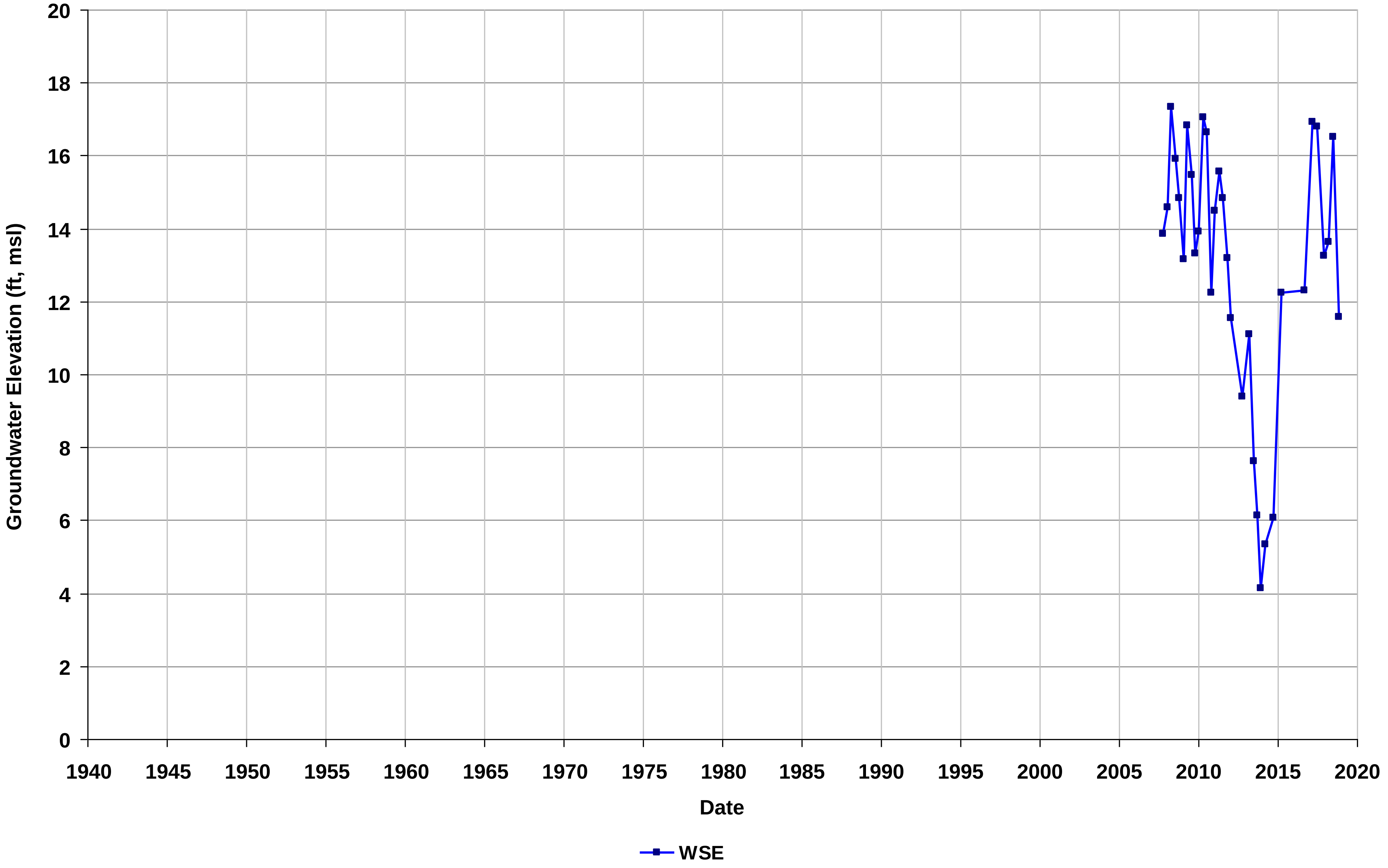
Well Name: T0600102073-MW-27
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 56.5-66
T/R/S: n/a
Well Use: Observation



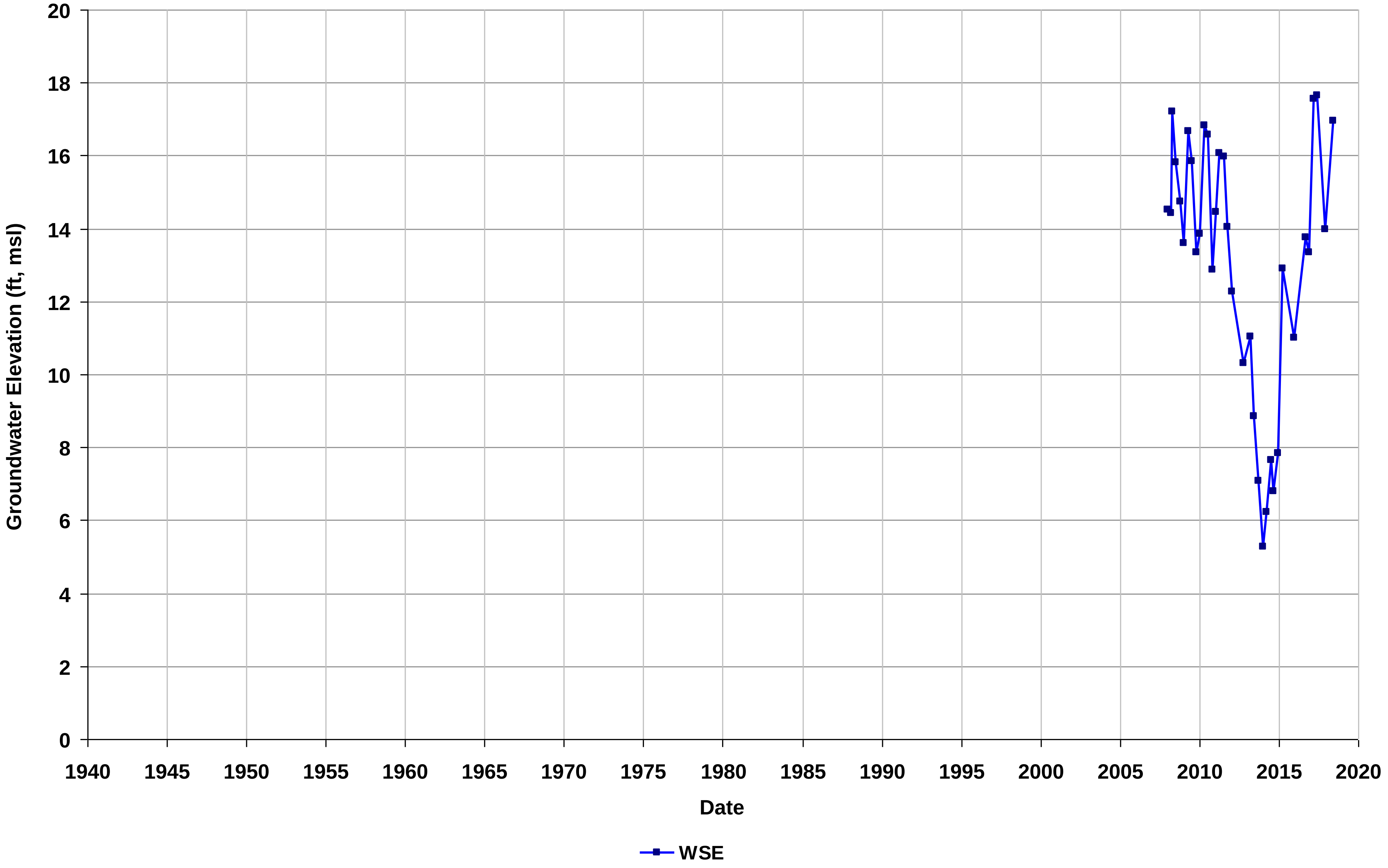
Well Name: T0600102073-MW-28
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 104
Perf. Interval (ft bgs): 50-110
T/R/S: n/a
Well Use: Observation



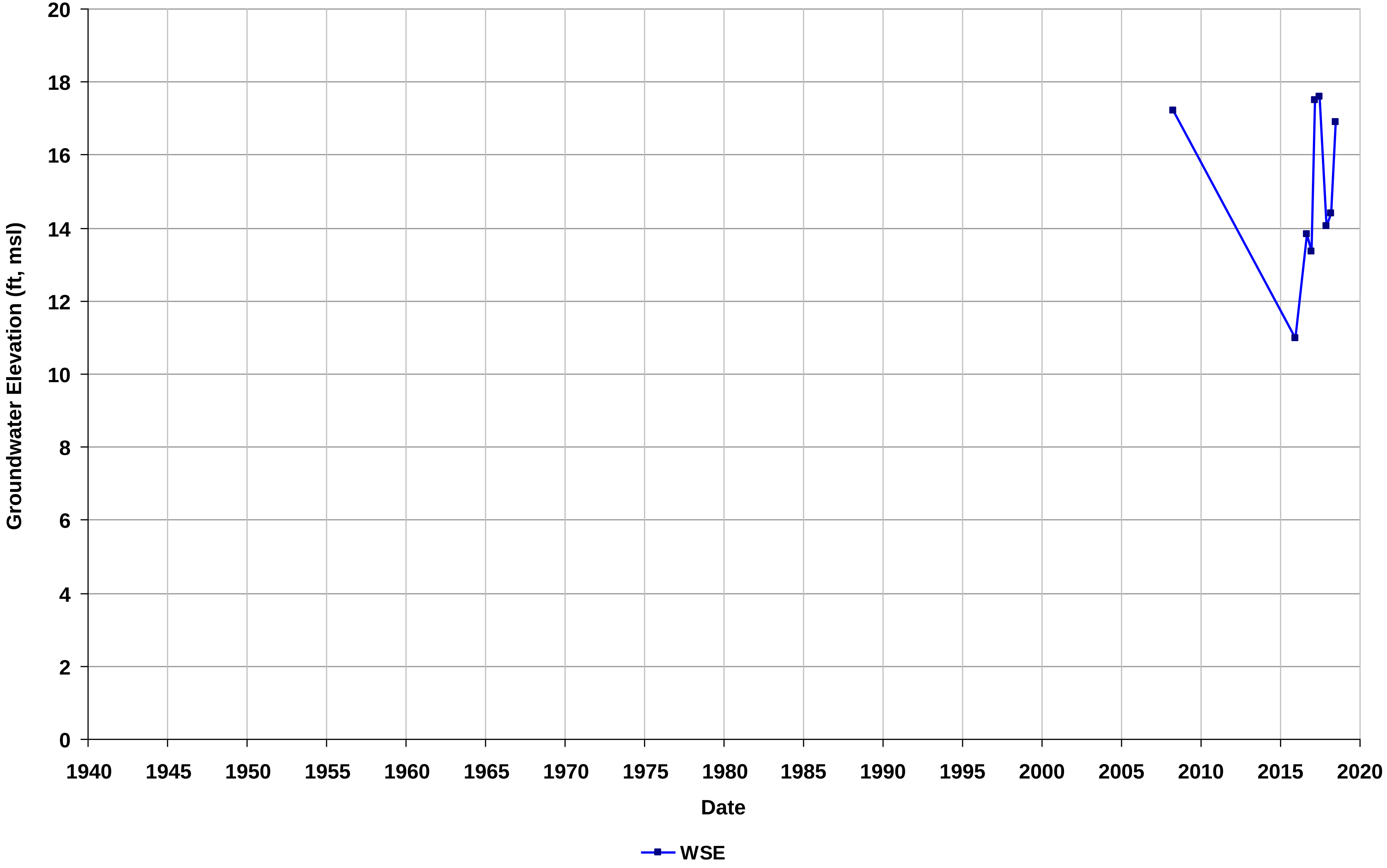
Well Name: T0600102073-MW-29
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 53-63
T/R/S: n/a
Well Use: Observation



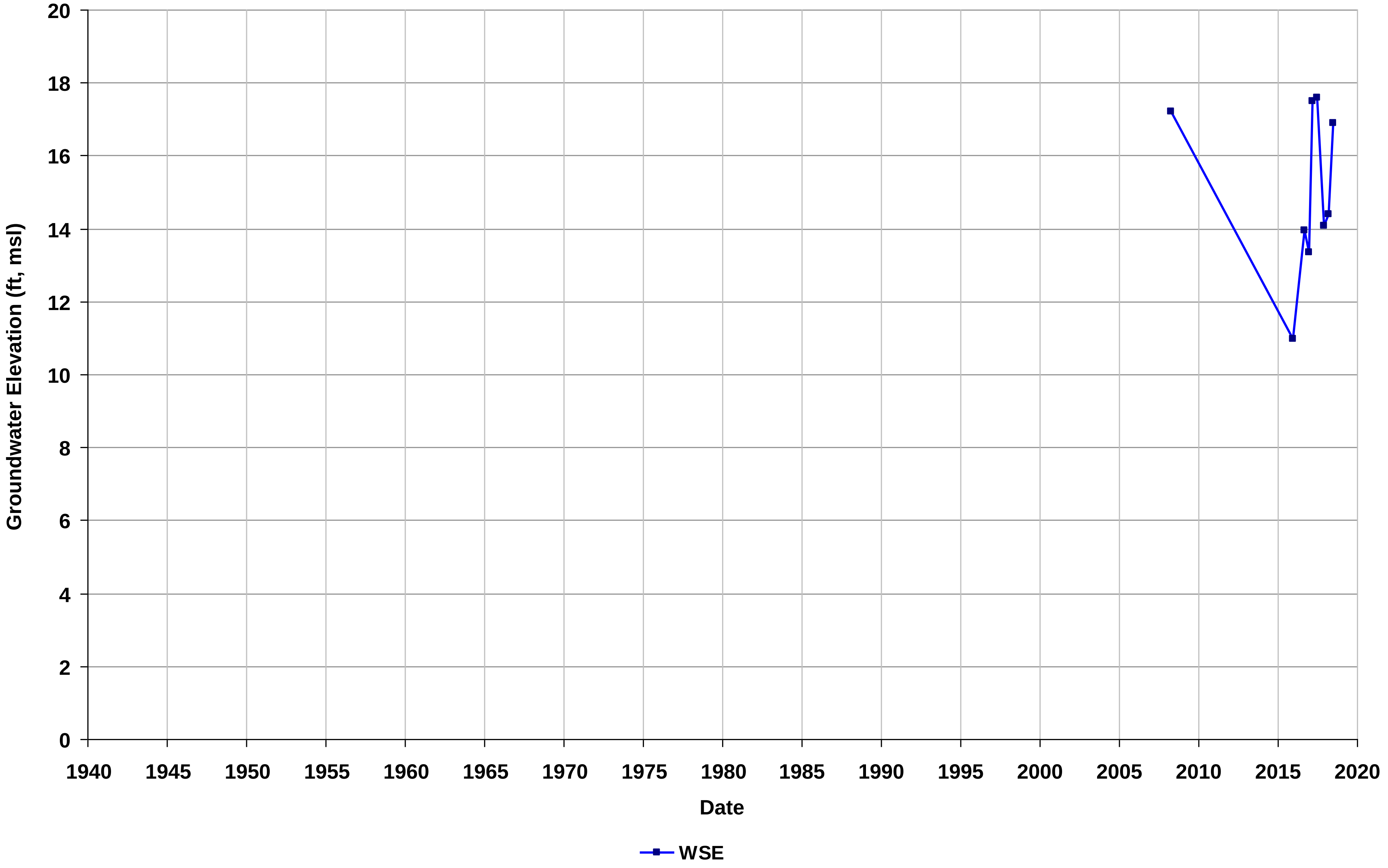
Well Name: T0600102073-PZ-1
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 47-57
T/R/S: n/a
Well Use: Observation



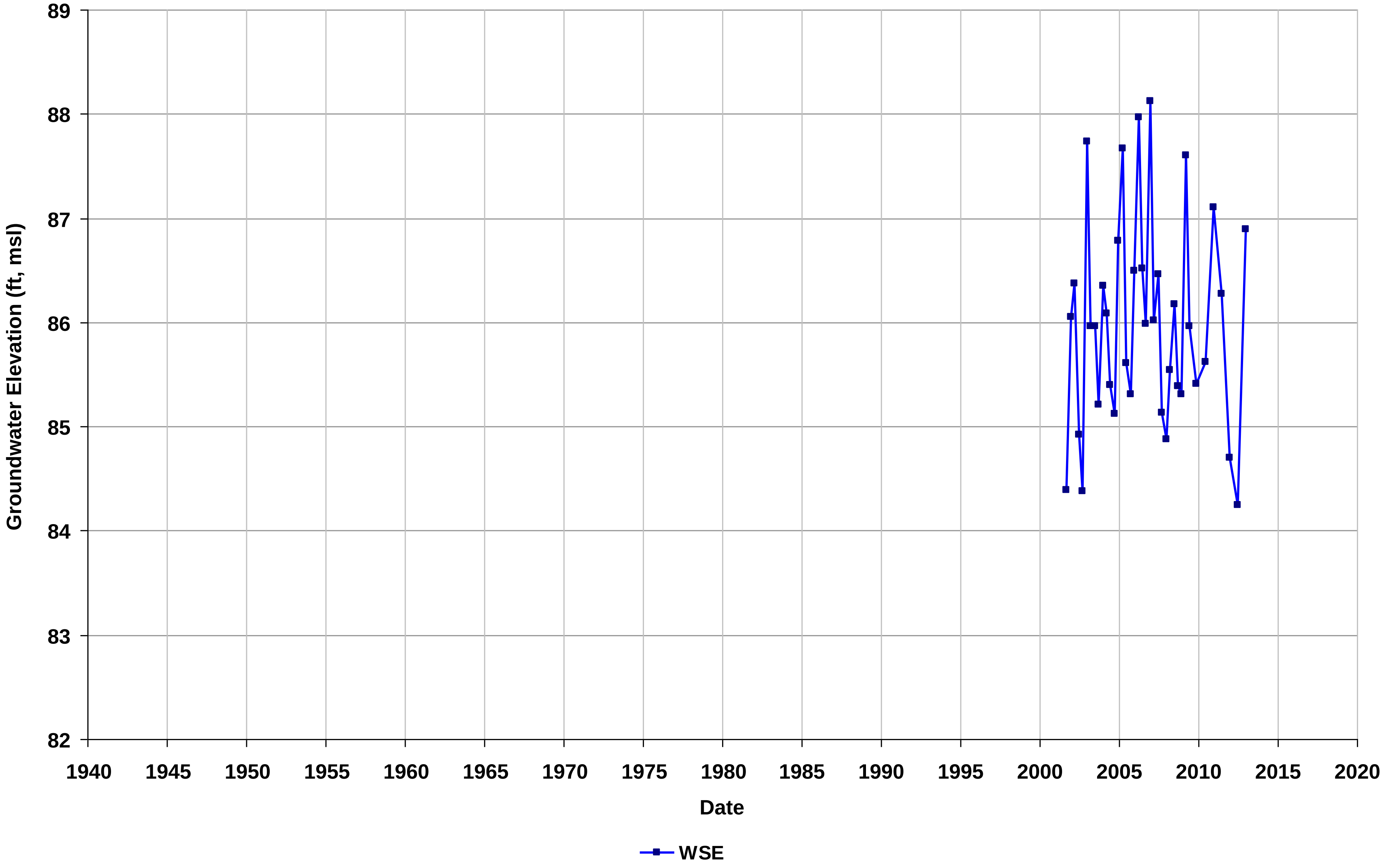
Well Name: T0600102073-PZ-2
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 48-58
T/R/S: n/a
Well Use: Observation



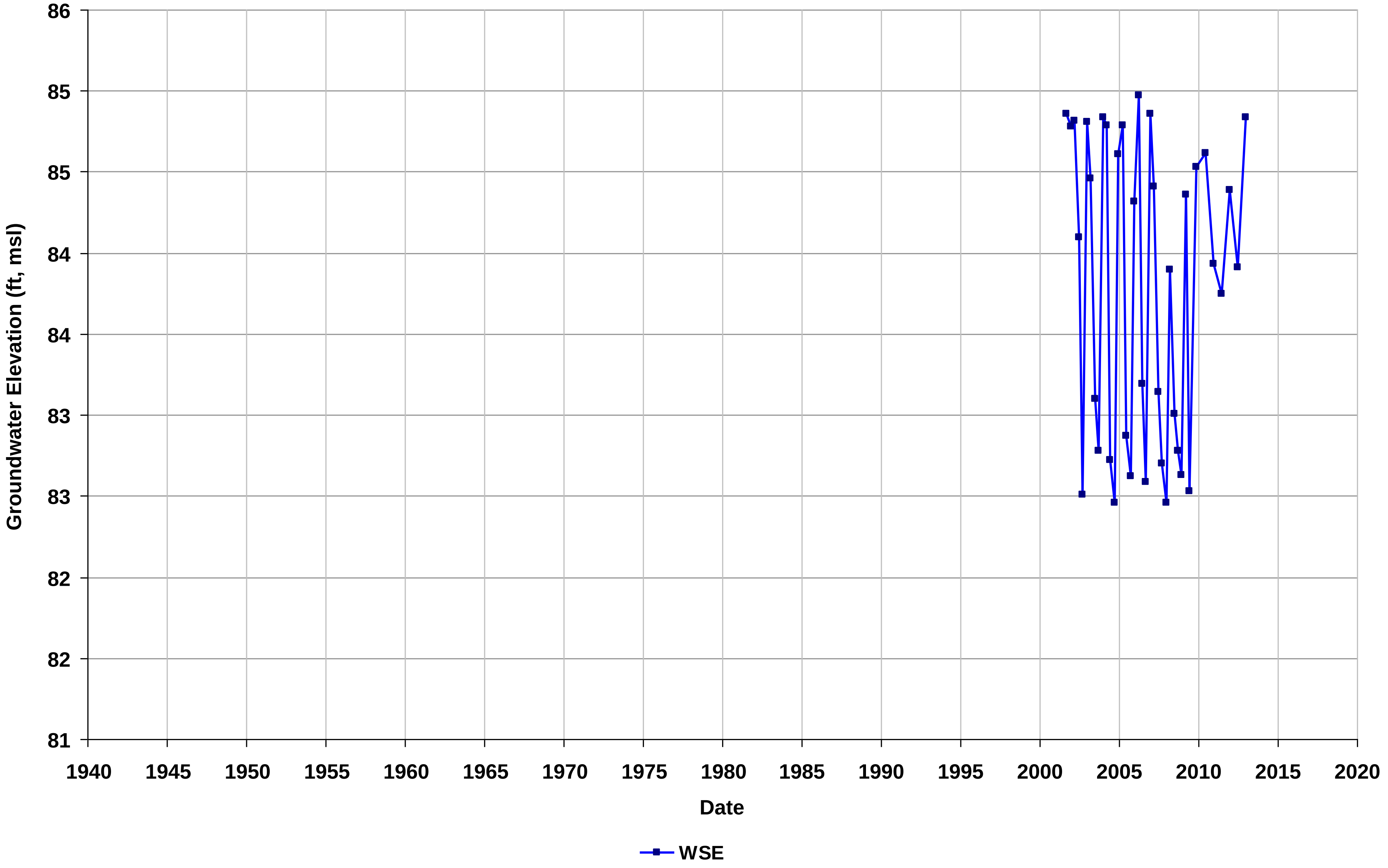
Well Name: T0600102093-MW-1
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 87
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



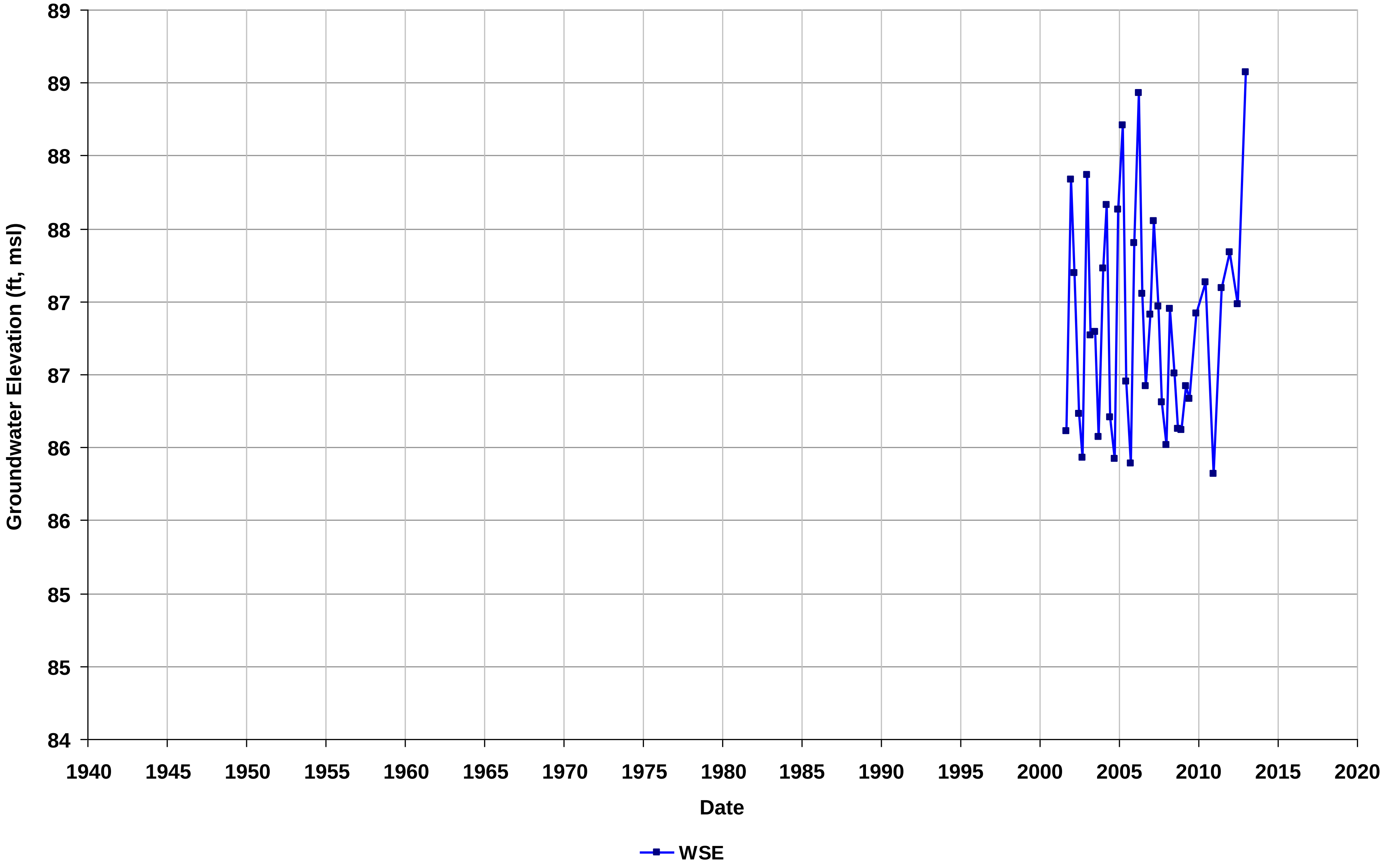
Well Name: T0600102093-MW-2
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 85
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



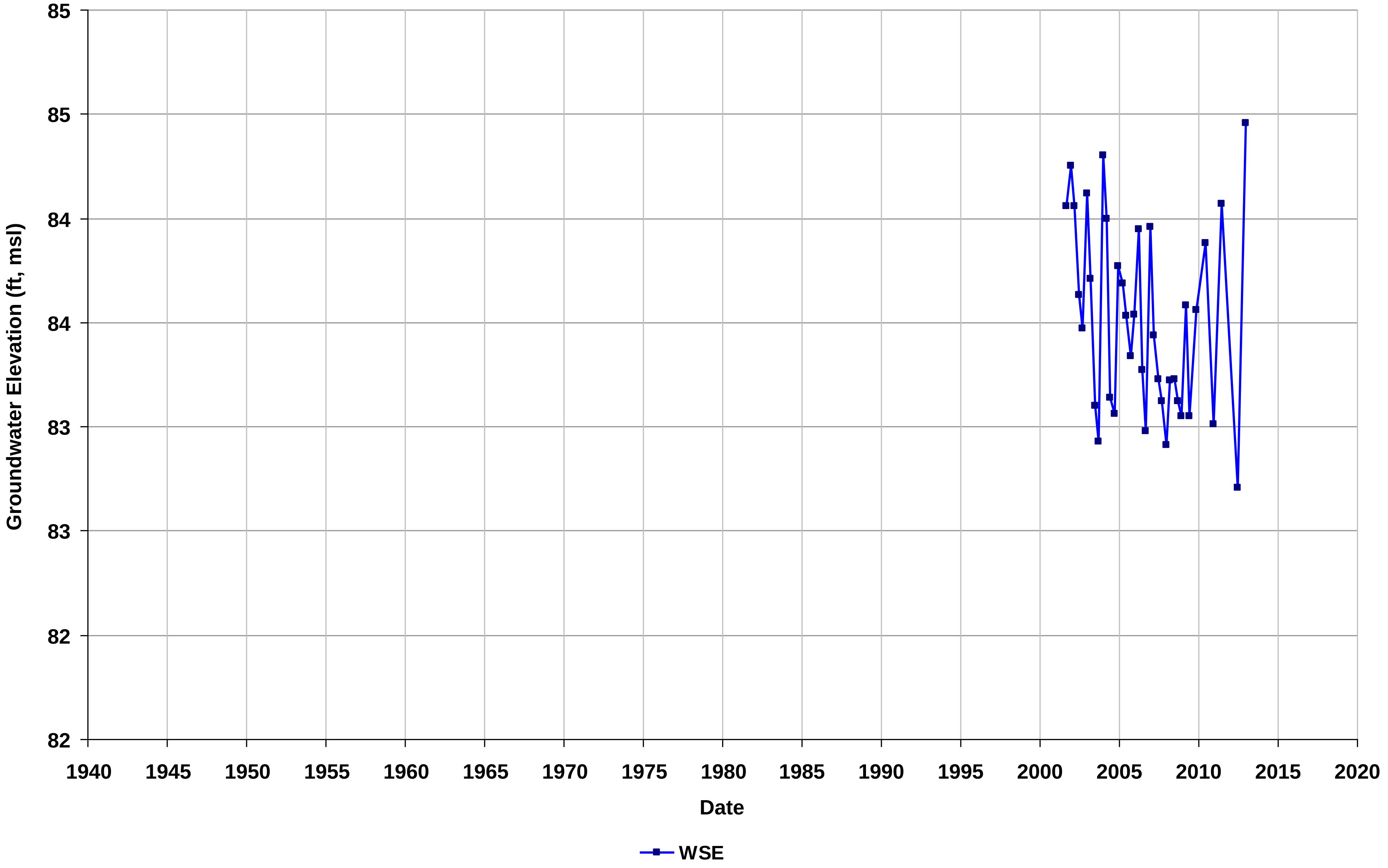
Well Name: T0600102093-MW-3
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 89
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



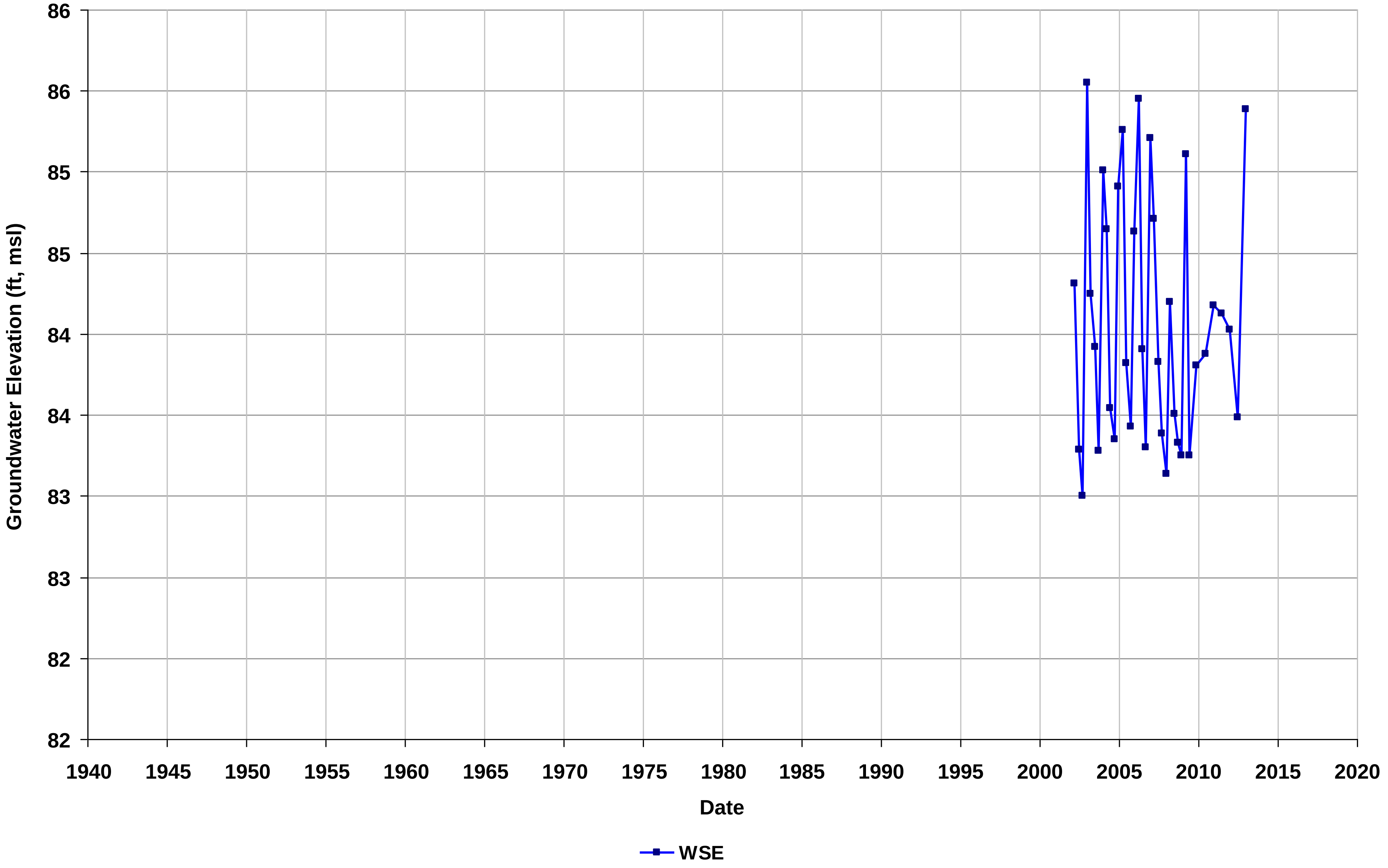
Well Name: T0600102093-MW-4
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 84
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



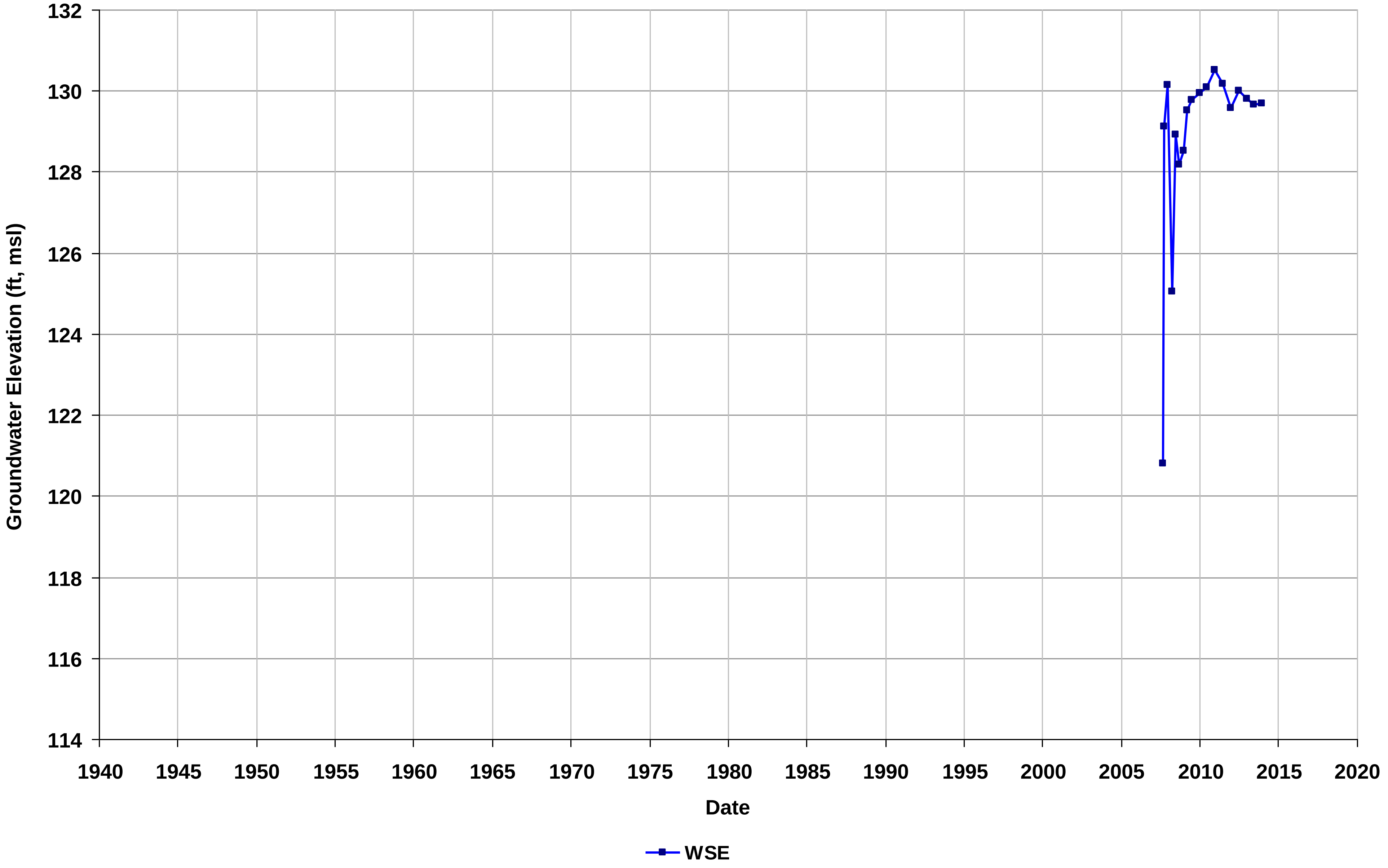
Well Name: T0600102093-MW-5
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 85
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



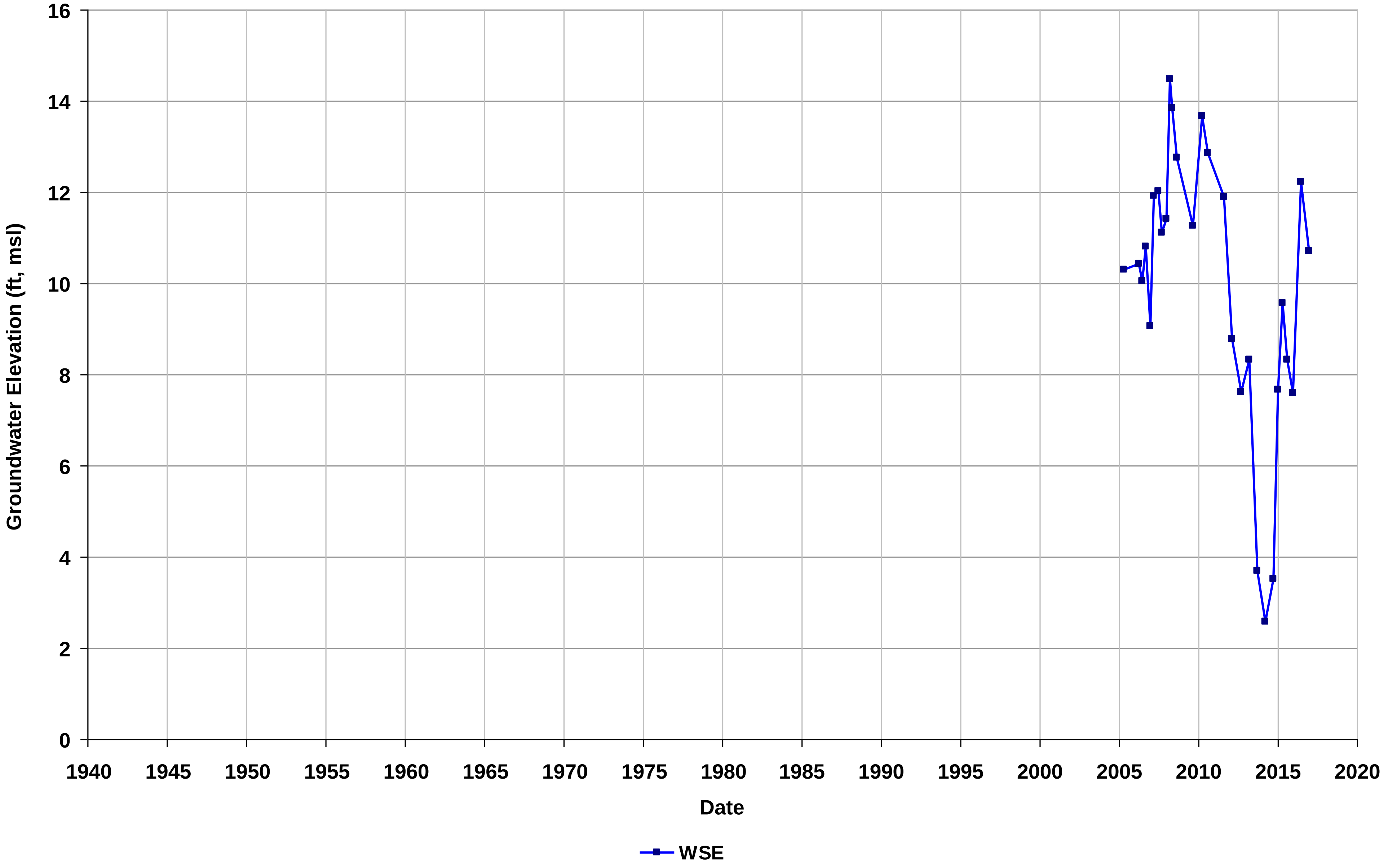
Well Name: T0600102156-MW-7
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 55
Perf. Interval (ft bgs): 40-55
T/R/S: 01S/03W/32
Well Use: Observation



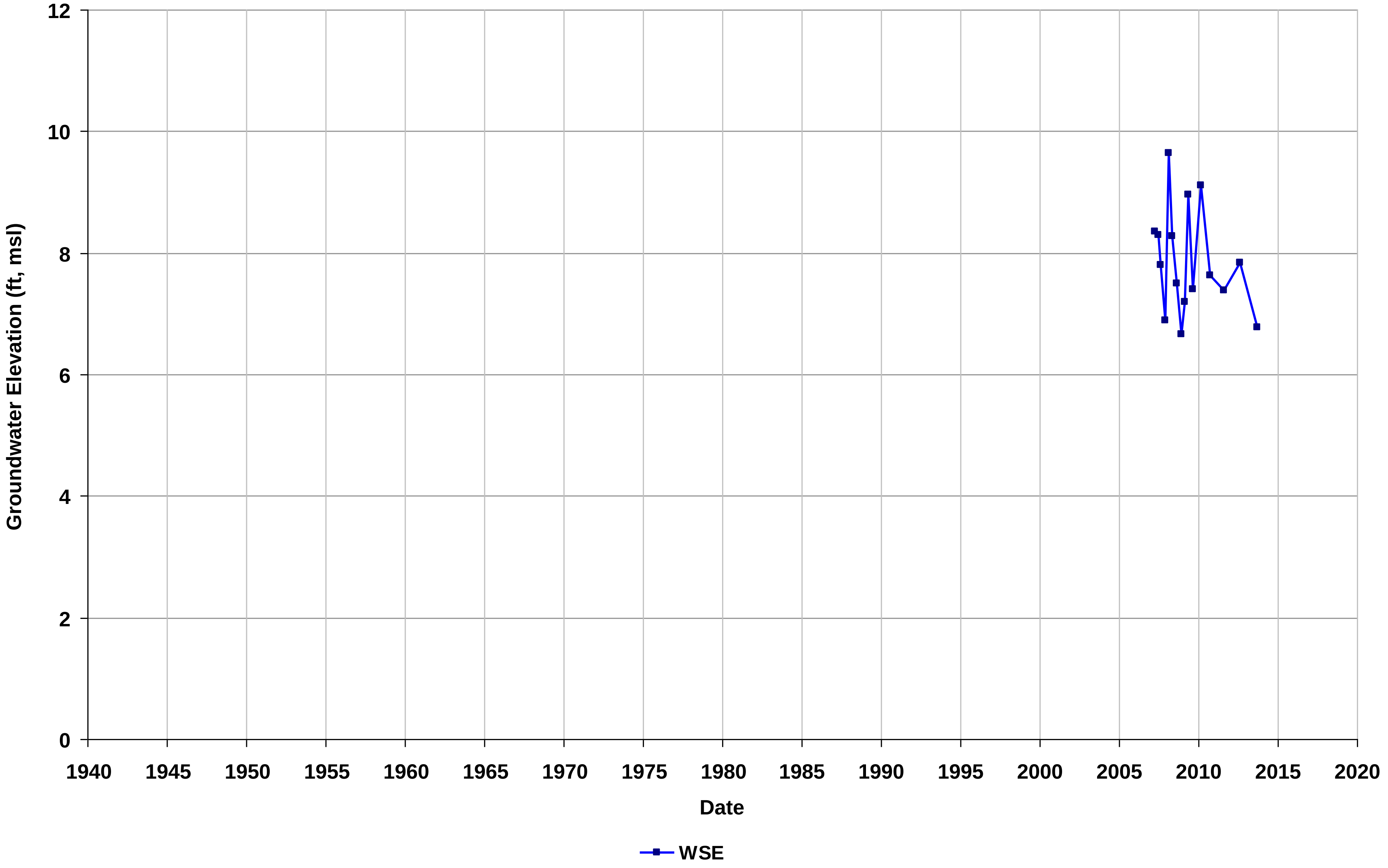
Well Name: T0600102160-MW-5C
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 57
Perf. Interval (ft bgs): 47-57
T/R/S: n/a
Well Use: Observation



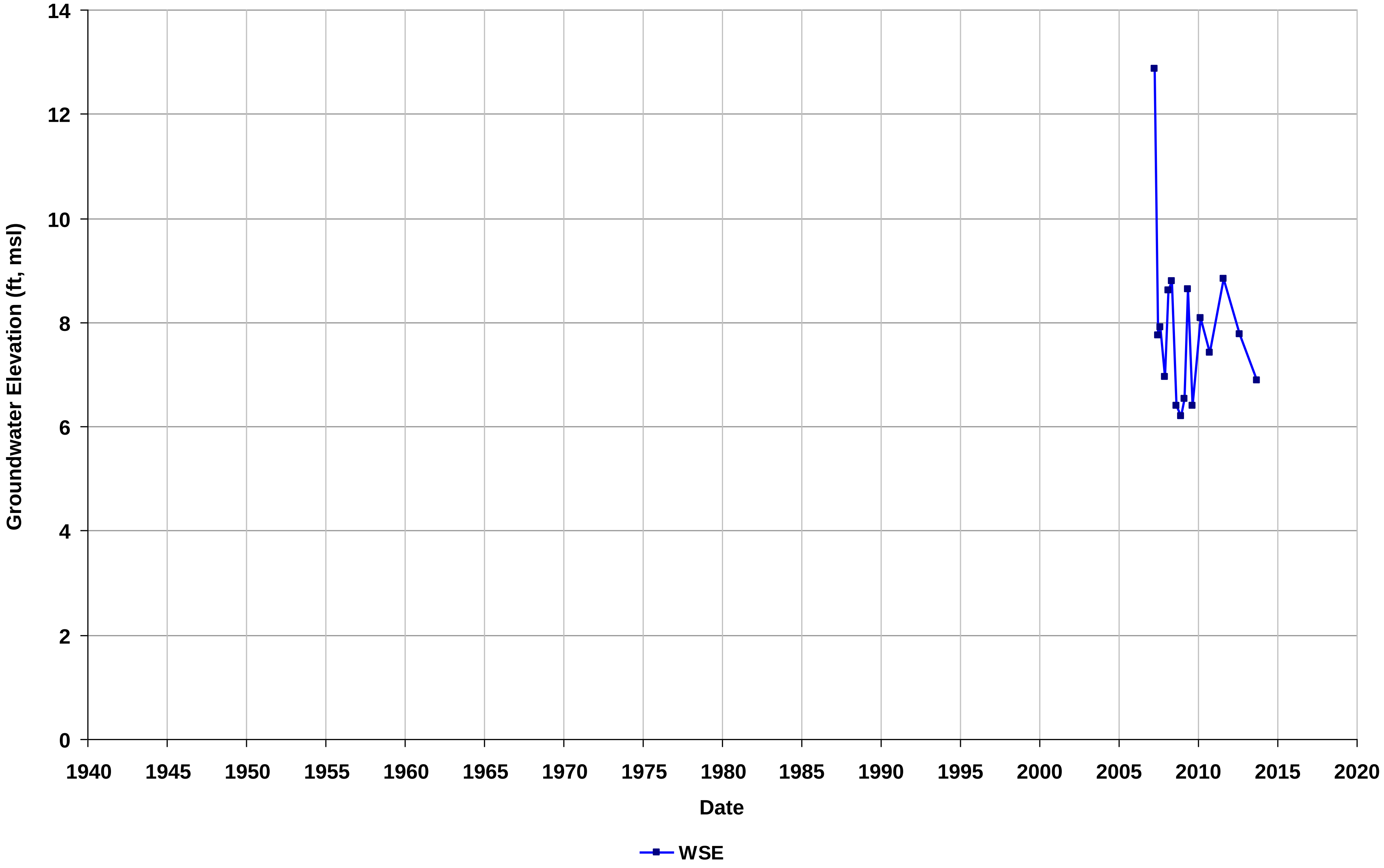
Well Name: T0600102230-MW-10
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 58
Perf. Interval (ft bgs):
T/R/S: 01S/04W/34
Well Use: Observation



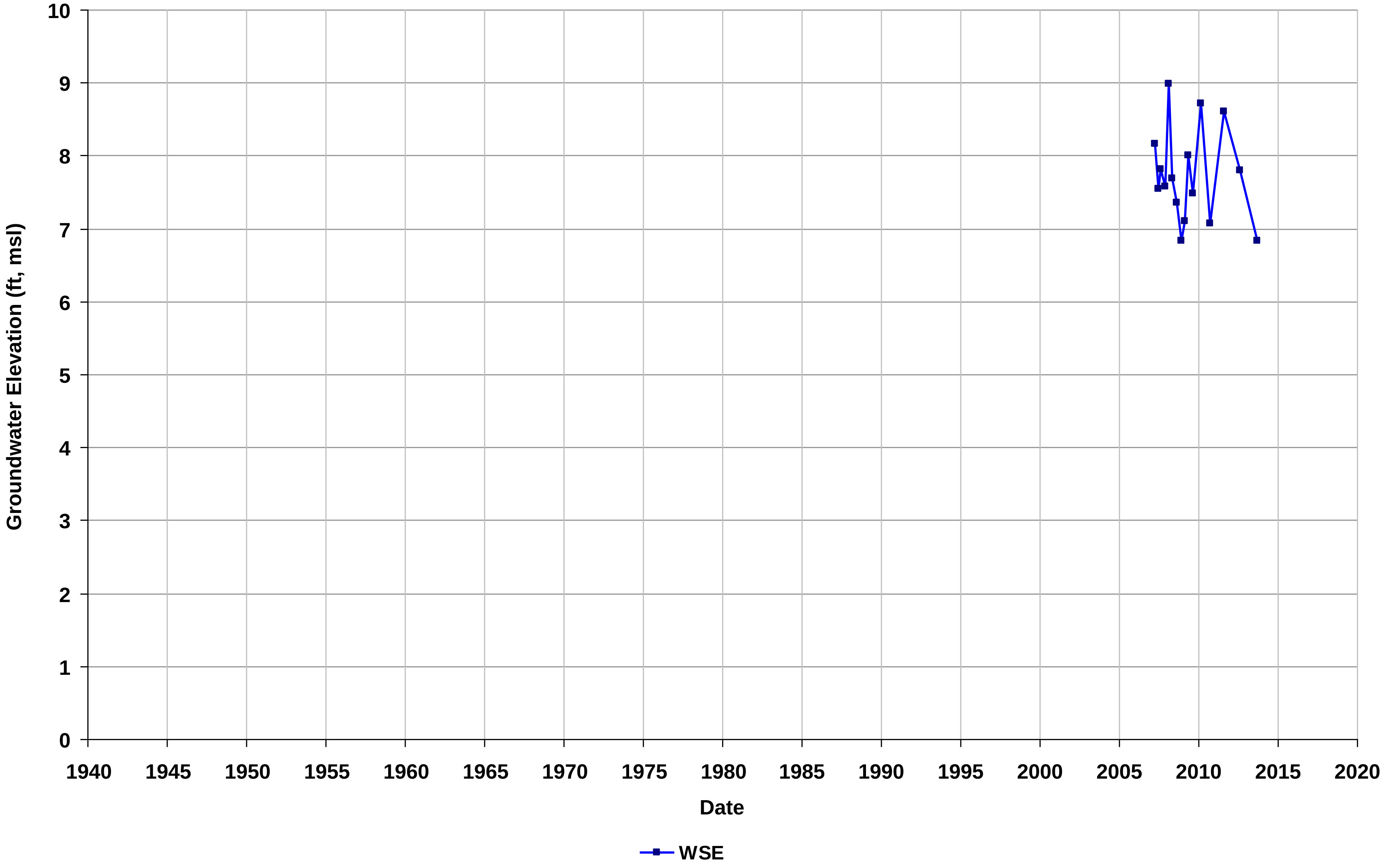
Well Name: T0600102230-MW-12
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 56
Perf. Interval (ft bgs):
T/R/S: 01S/04W/34
Well Use: Observation



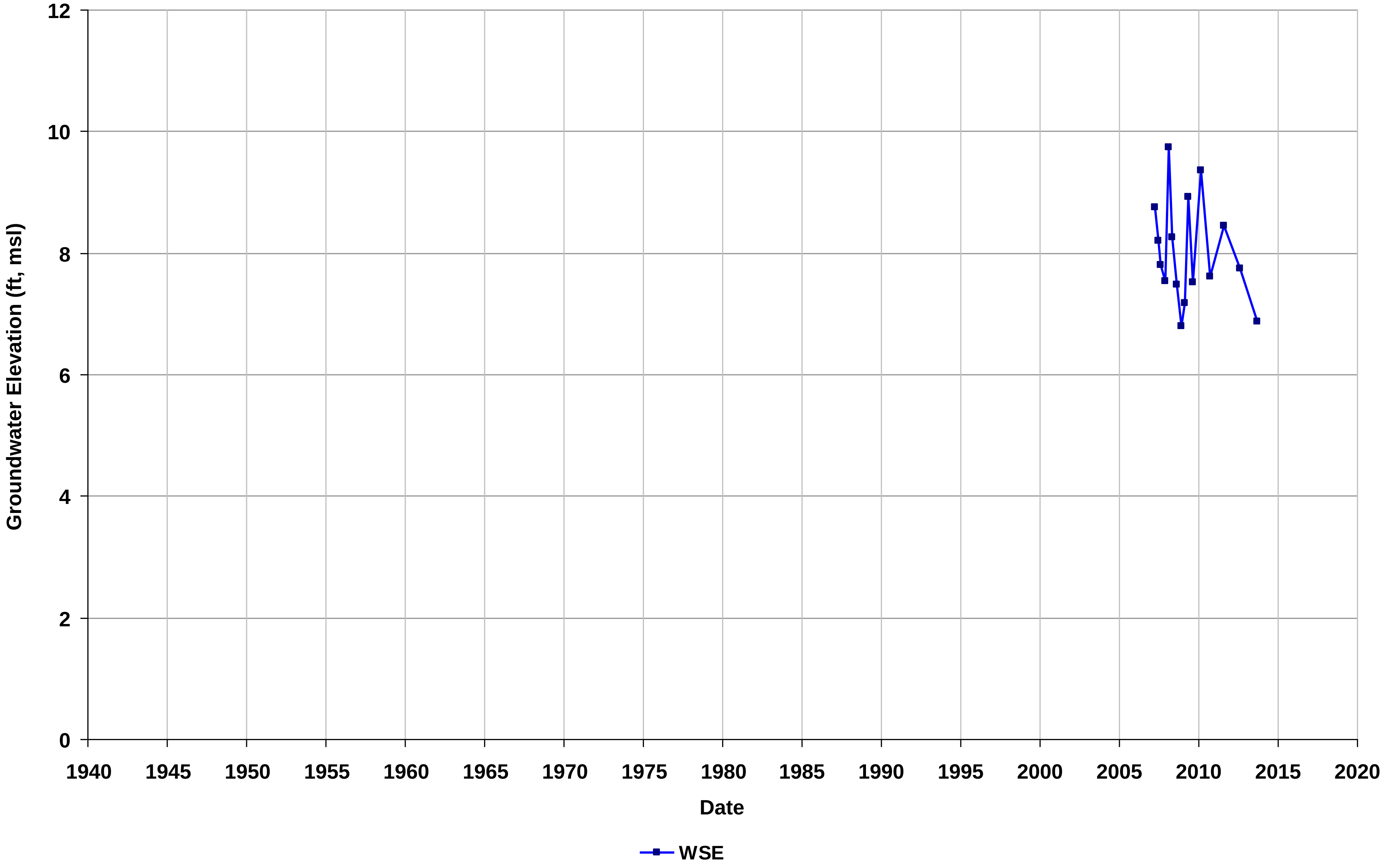
Well Name: T0600102230-MW-14
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 57
Perf. Interval (ft bgs):
T/R/S: 01S/04W/34
Well Use: Observation



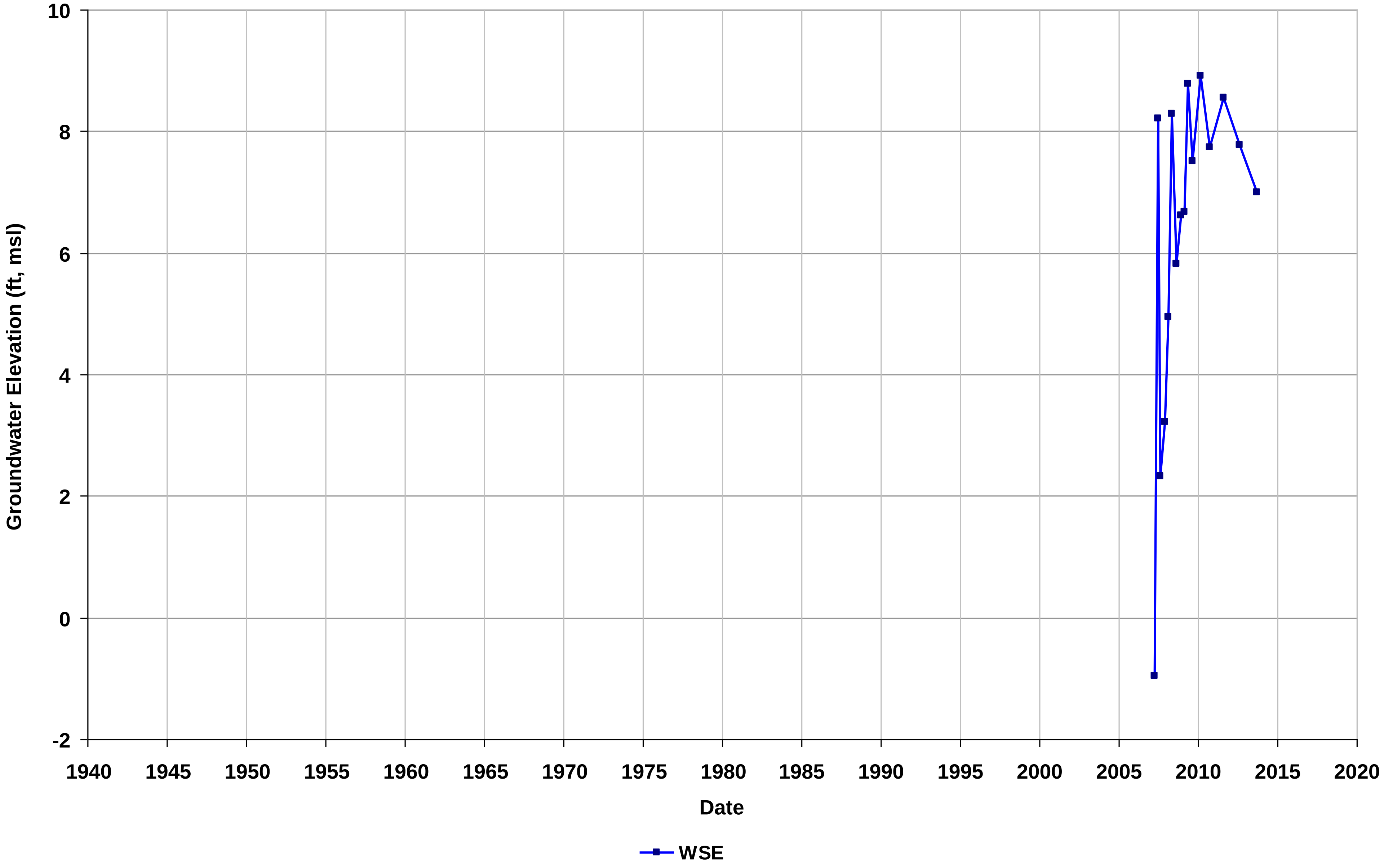
Well Name: T0600102230-MW-16
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 57
Perf. Interval (ft bgs):
T/R/S: 01S/04W/34
Well Use: Observation



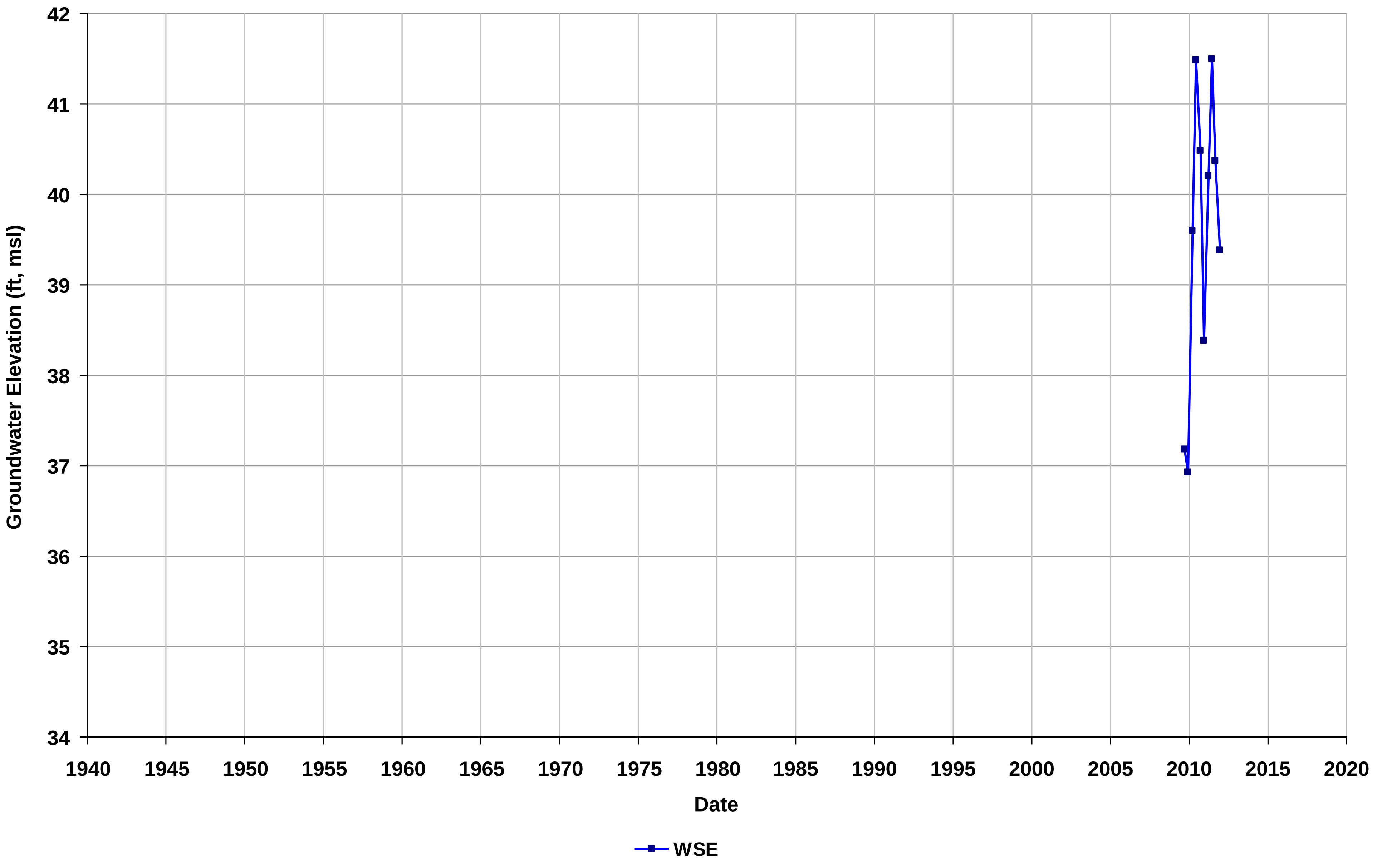
Well Name: T0600102230-MW-17
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 71
Perf. Interval (ft bgs):
T/R/S: 01S/04W/34
Well Use: Observation



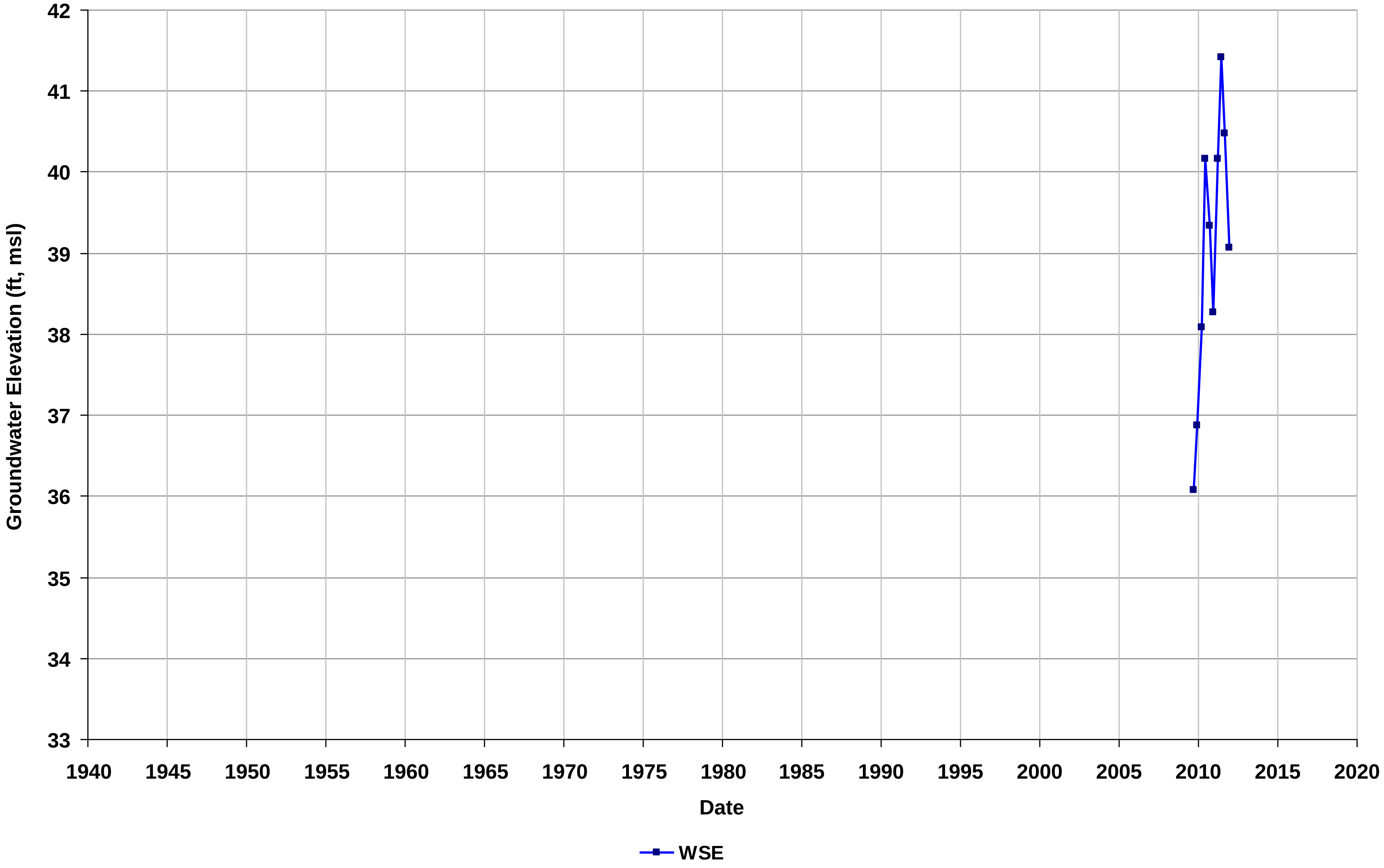
Well Name: T0600103398-MW-1
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 54
Perf. Interval (ft bgs):
T/R/S: 03S/02W/16
Well Use: Observation



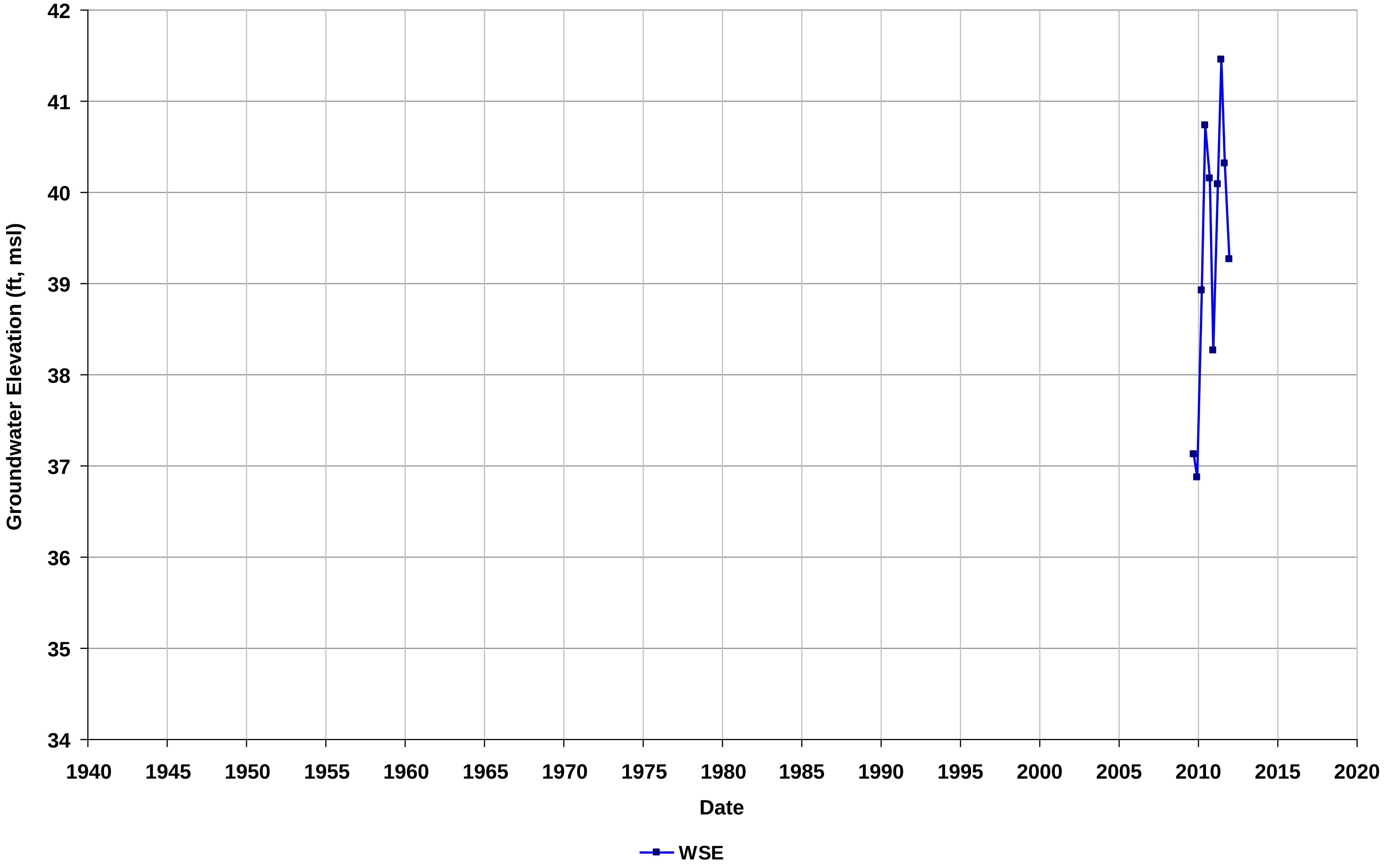
Well Name: T0600103398-MW-2
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 54
Perf. Interval (ft bgs):
T/R/S: 03S/02W/16
Well Use: Observation



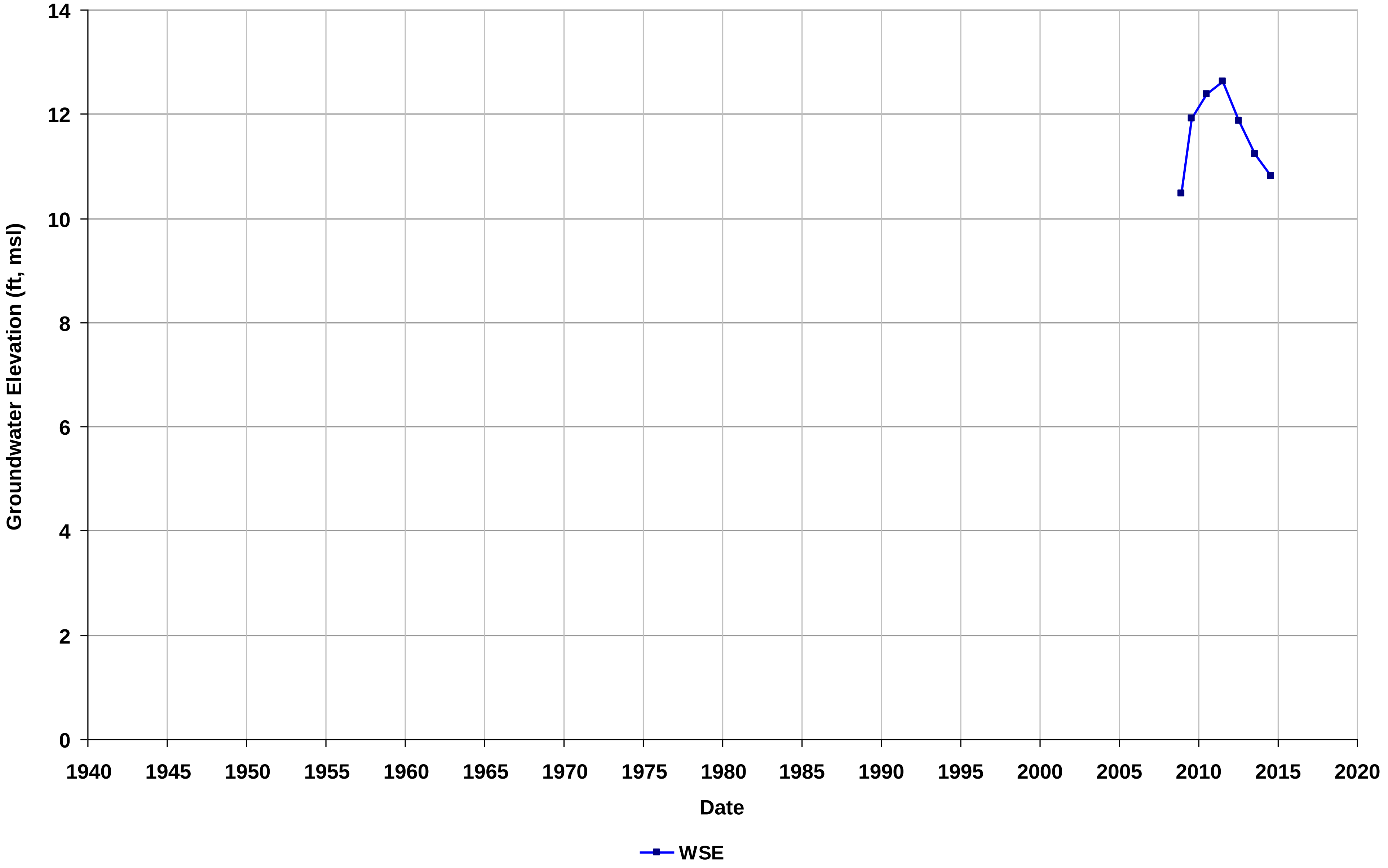
Well Name: T0600103398-MW-3
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 52
Perf. Interval (ft bgs):
T/R/S: 03S/02W/16
Well Use: Observation



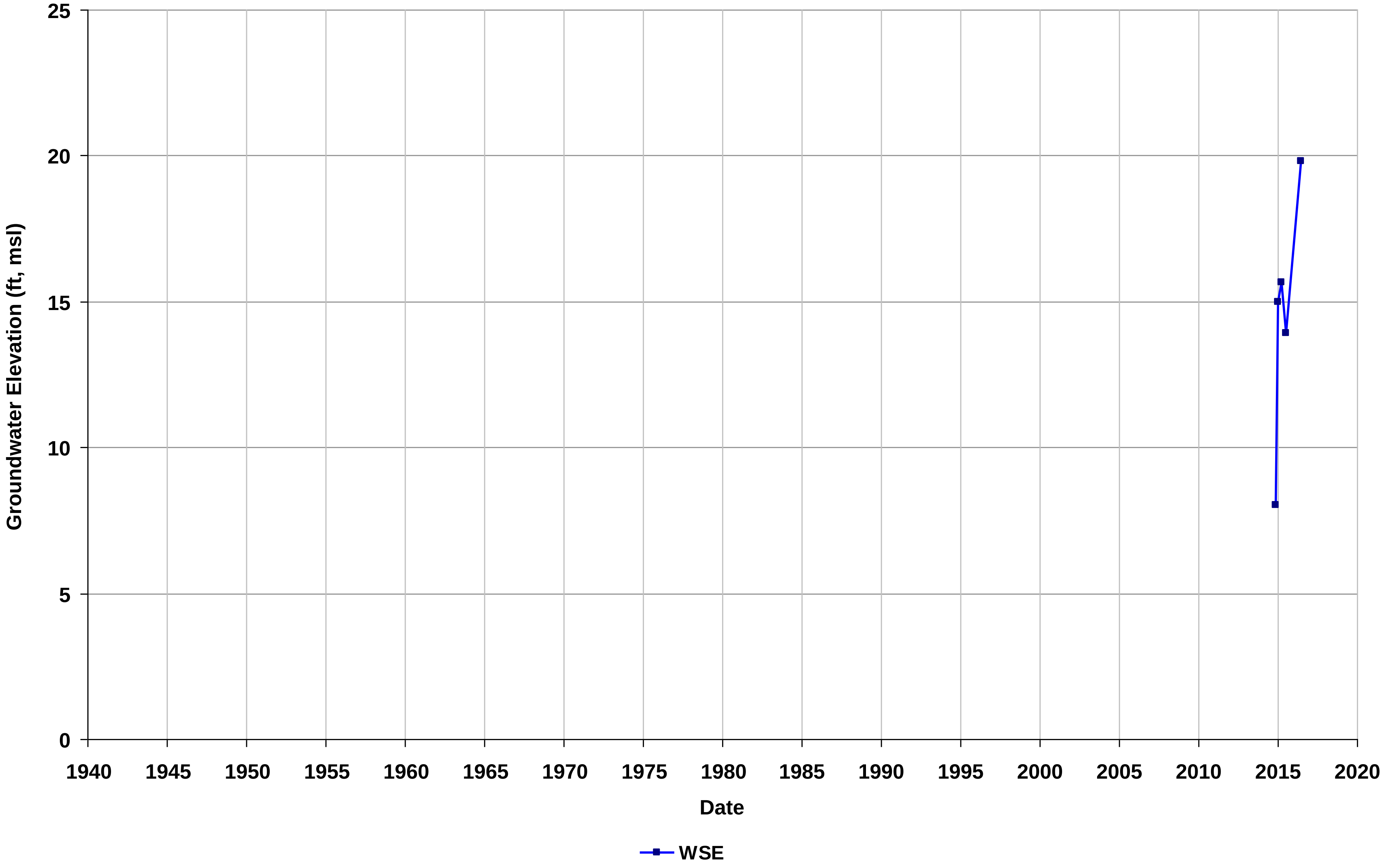
Well Name: T0600143649-MW-10D
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 42-52
T/R/S: 02S/03W/08
Well Use: Observation



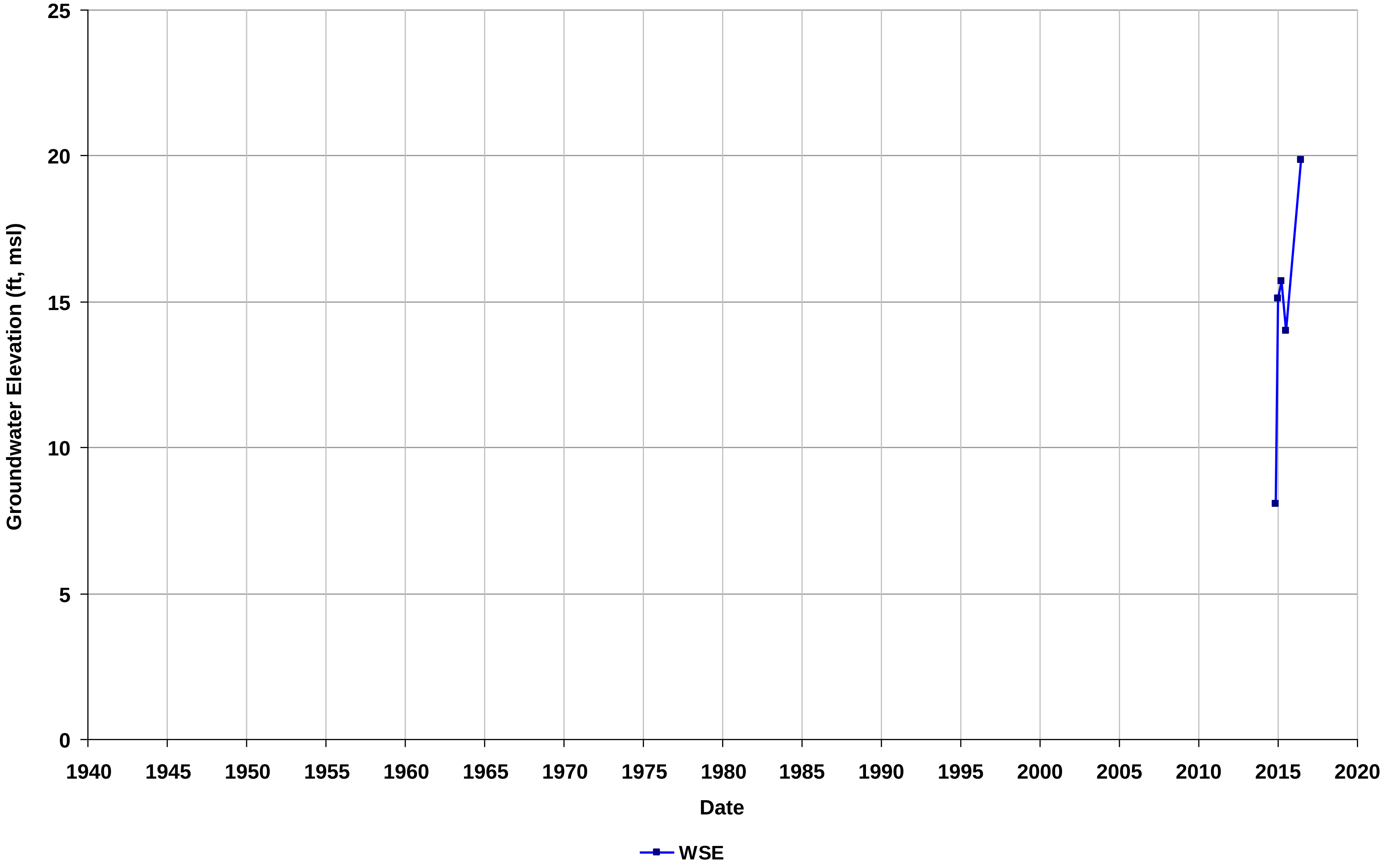
Well Name: T0600151640-MW-1B
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 55-70
T/R/S: 04S/01W/29
Well Use: Observation



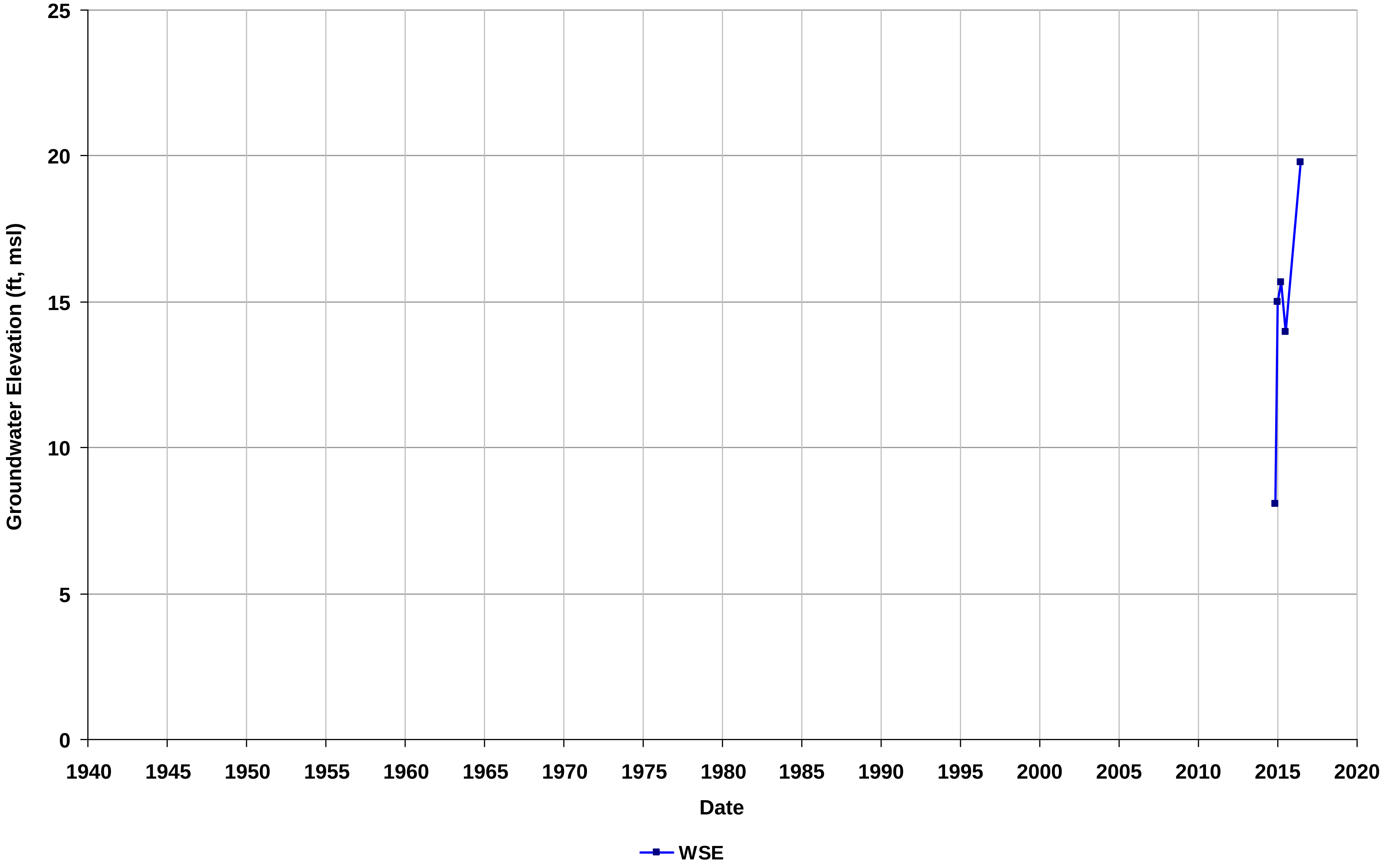
Well Name: T0600151640-MW-2
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 45-60
T/R/S: 04S/01W/29
Well Use: Observation



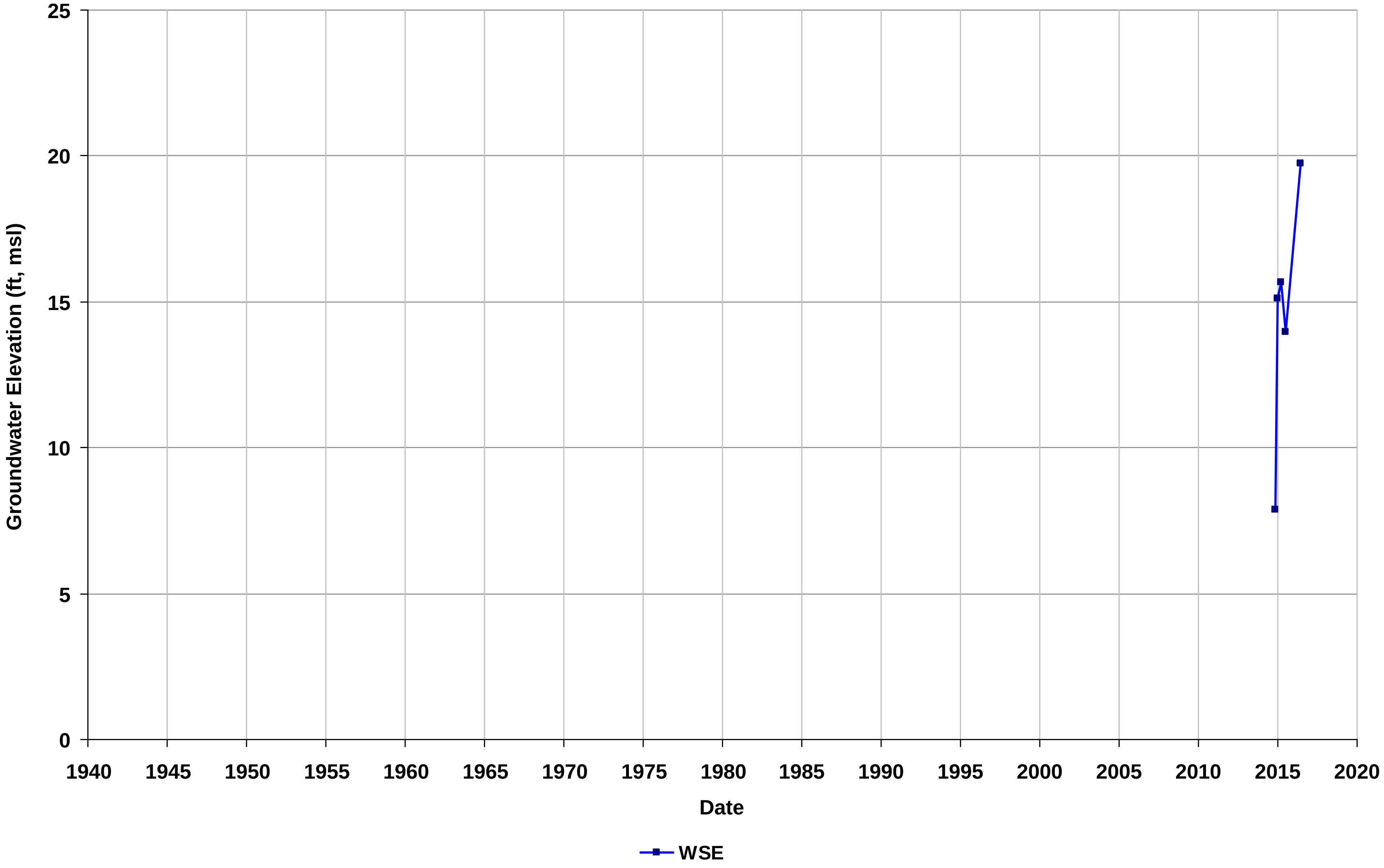
Well Name: T0600151640-MW-3
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 45-60
T/R/S: 04S/01W/29
Well Use: Observation



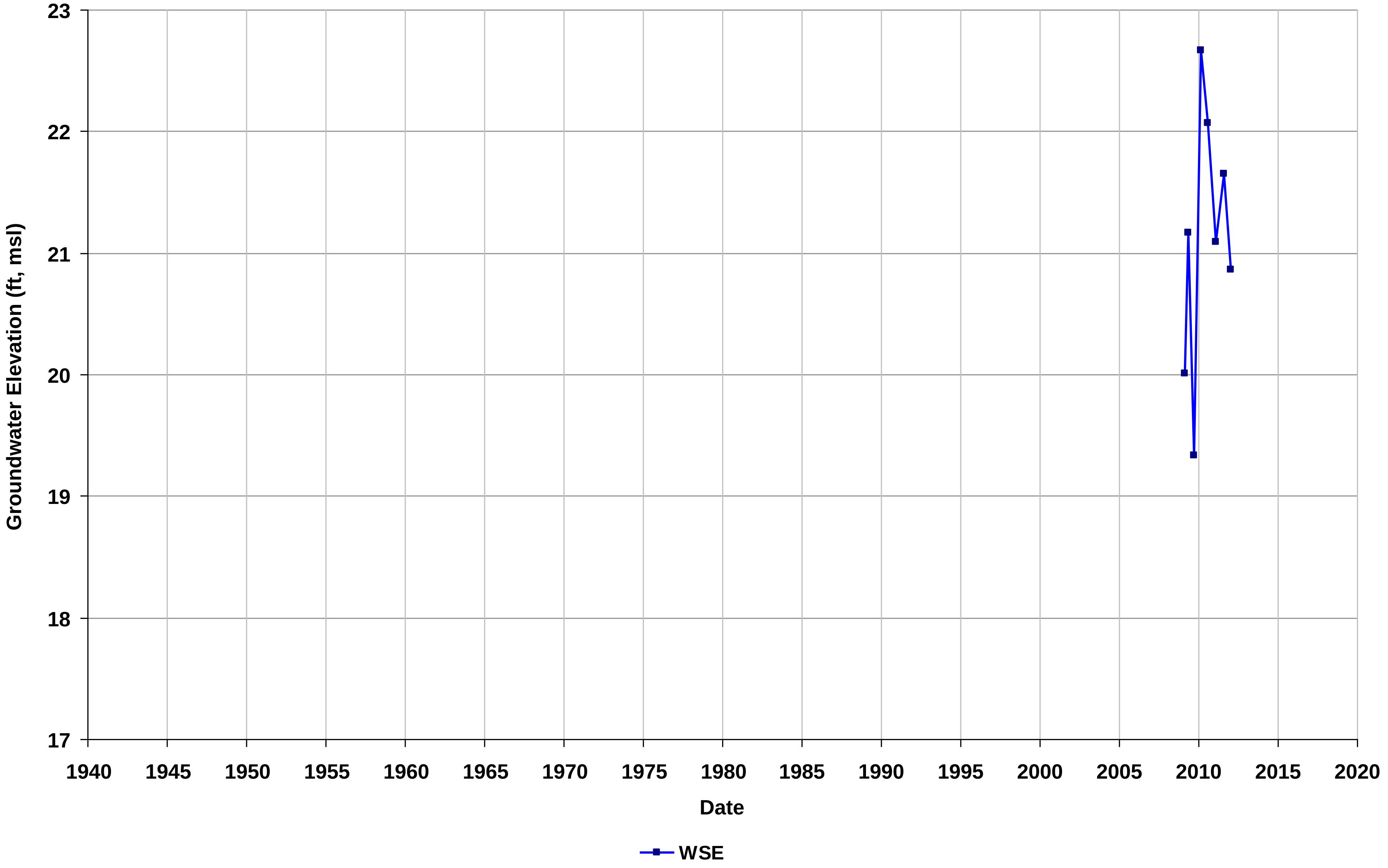
Well Name: T0600151640-MW-4
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 45-60
T/R/S: 04S/01W/29
Well Use: Observation



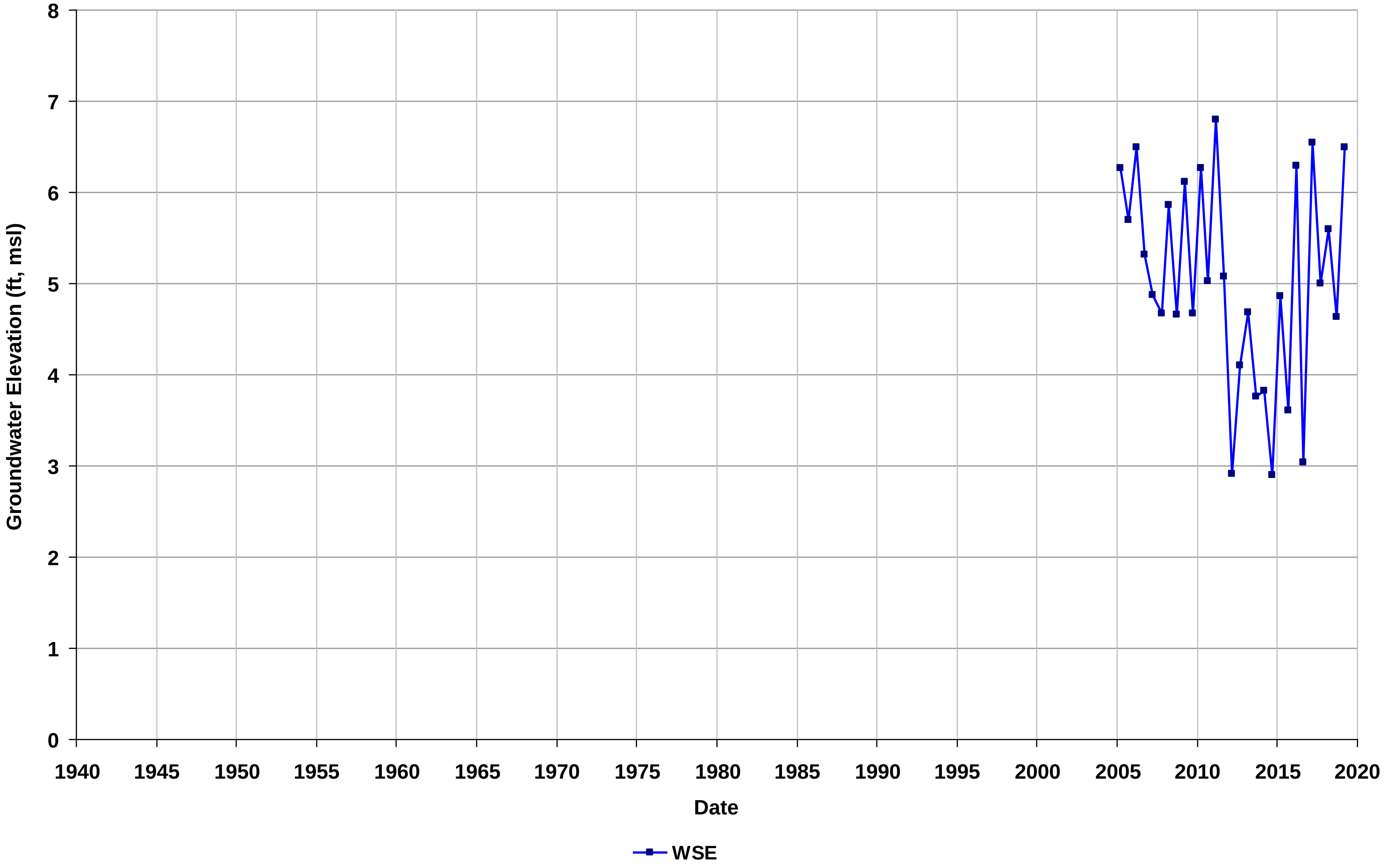
Well Name: T0600170016-MW-11
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 64
Perf. Interval (ft bgs): 55-65
T/R/S: 04S/02W/01
Well Use: Observation



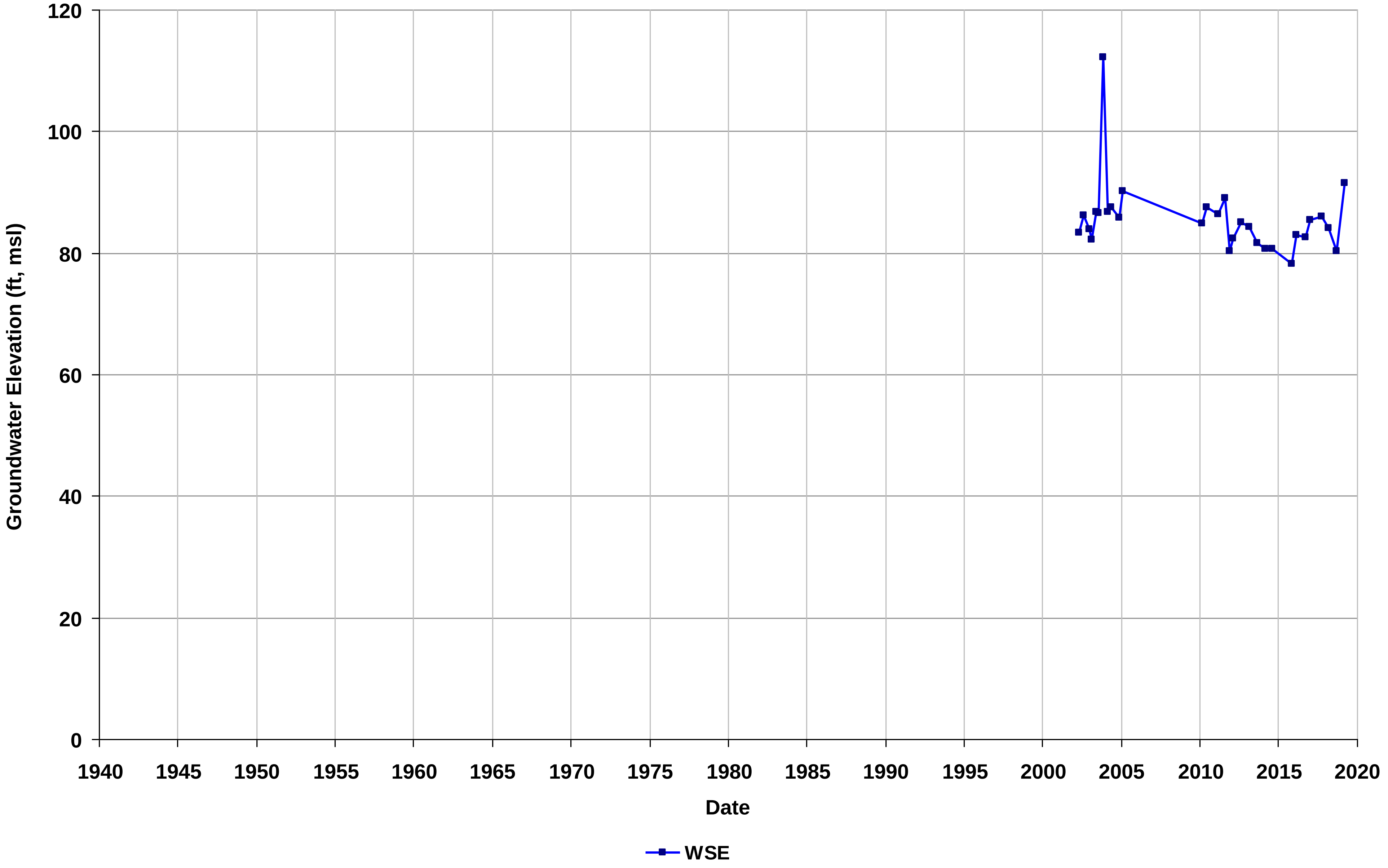
Well Name: T0600191477-MW-12
Depth Zone: Shallow
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 71.5-76
T/R/S: 04S/02W/02
Well Use: Observation



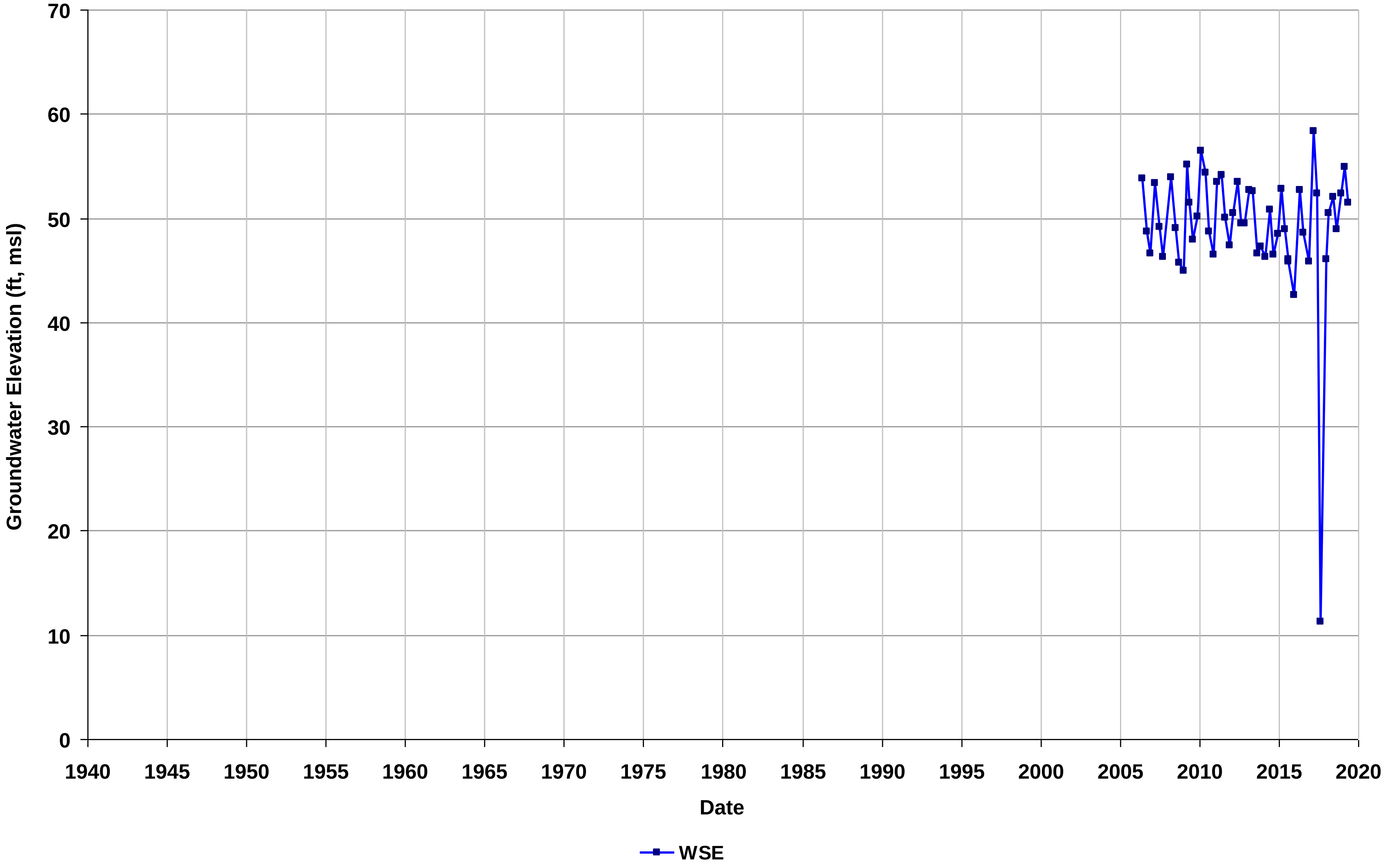
Well Name: T0601300018-BC-4
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 60-75
T/R/S: 01N/04W/08
Well Use: Observation



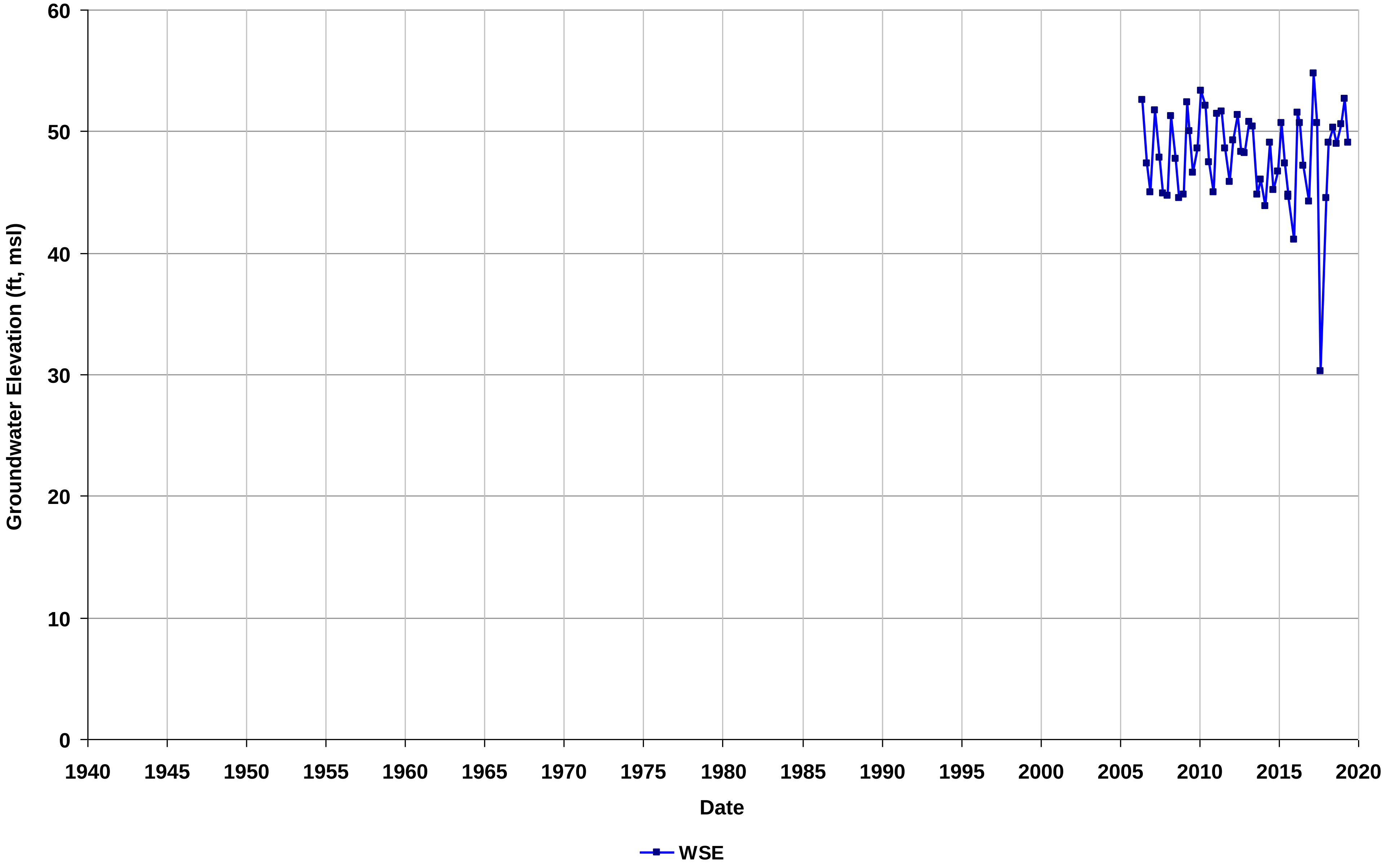
Well Name: T0601300023-MW-6U
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 55-80
T/R/S: 01N/05W/26
Well Use: Observation



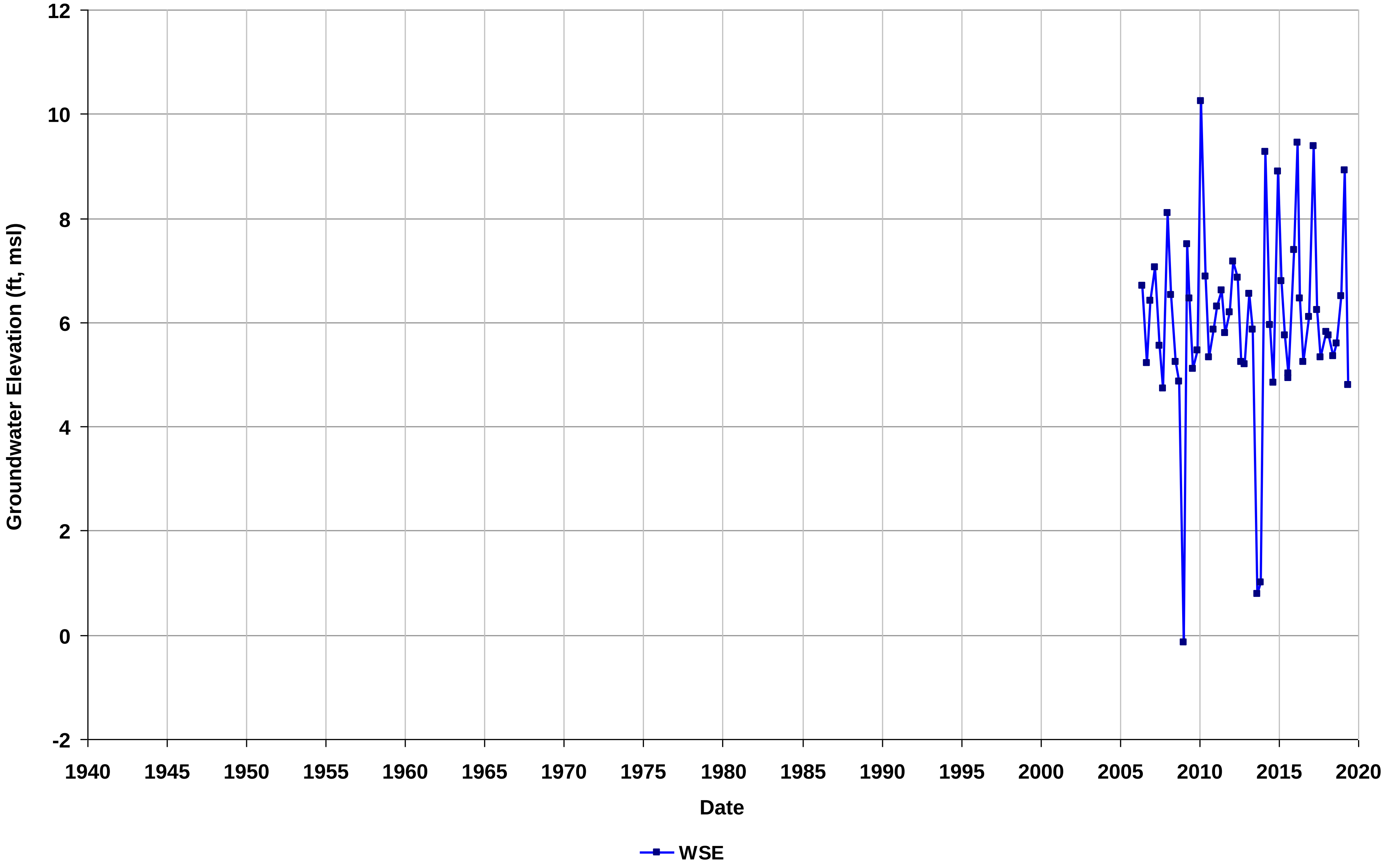
Well Name: T0601300023-MW-7U
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 55-80
T/R/S: 01N/05W/24
Well Use: Observation



Well Name: T0601300023-MW-8U
Depth Zone: Shallow
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 110-135
T/R/S: 01N/05W/25
Well Use: Observation



Section E-3

Intermediate Aquifer Zone Groundwater Hydrographs

LSCE TEAM

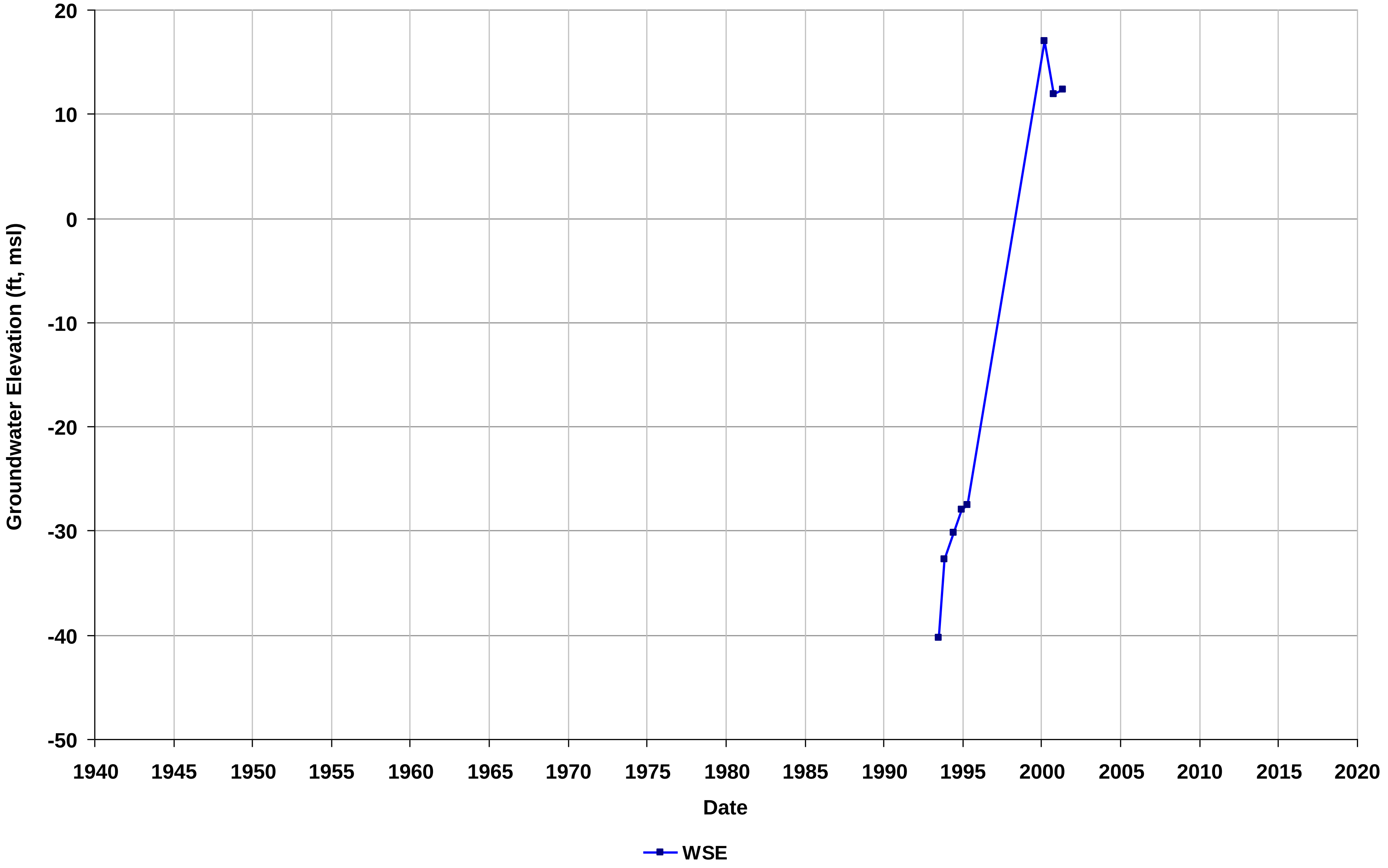
Wells with Hydrographs - Intermediate Aquifer

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure E-3

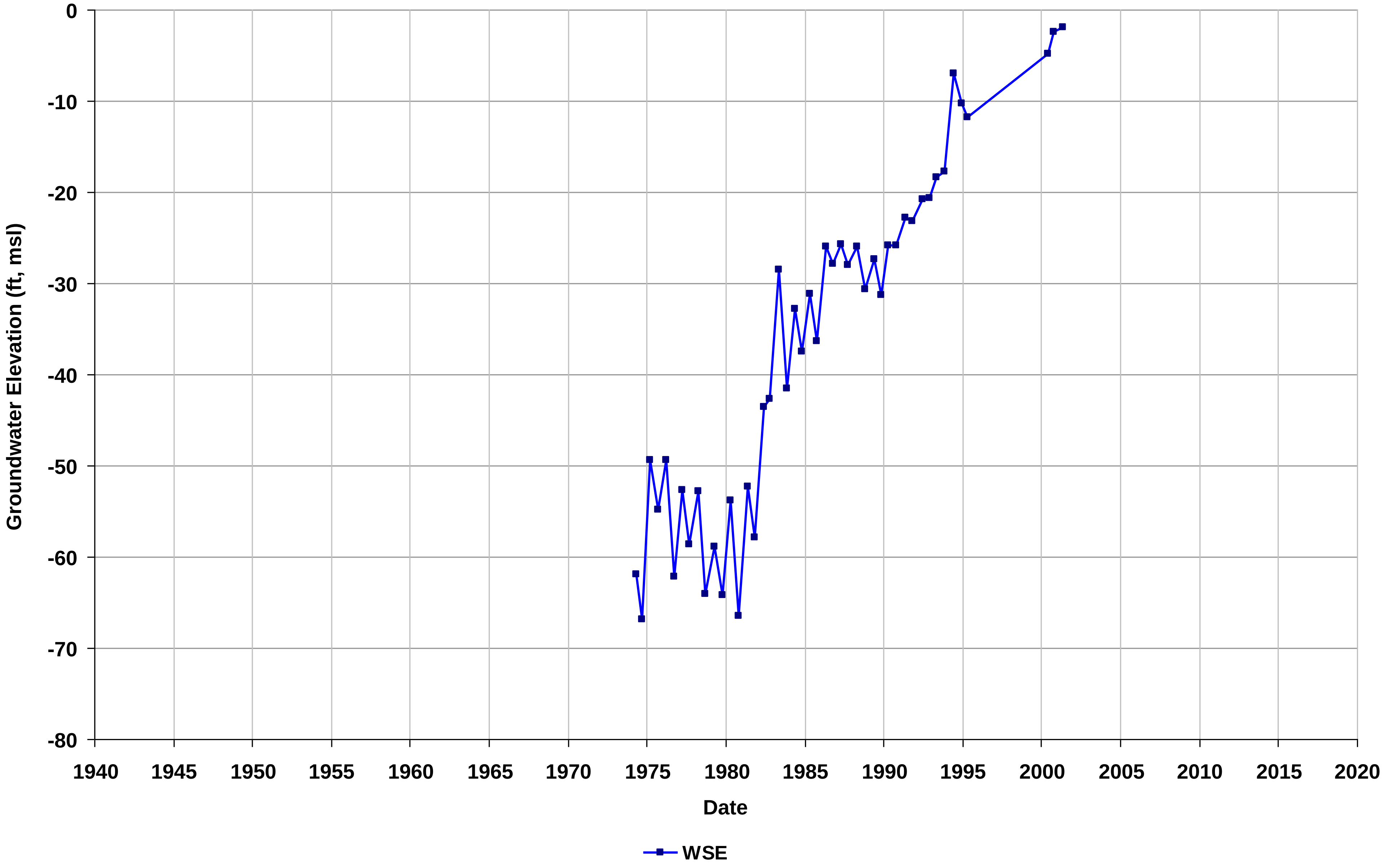
Well Name: 01S/04W-04R01
Depth Zone: Intermediate
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 320
Perf. Interval (ft bgs): 220-320
T/R/S: 01S/04W/04
Well Use: Industrial



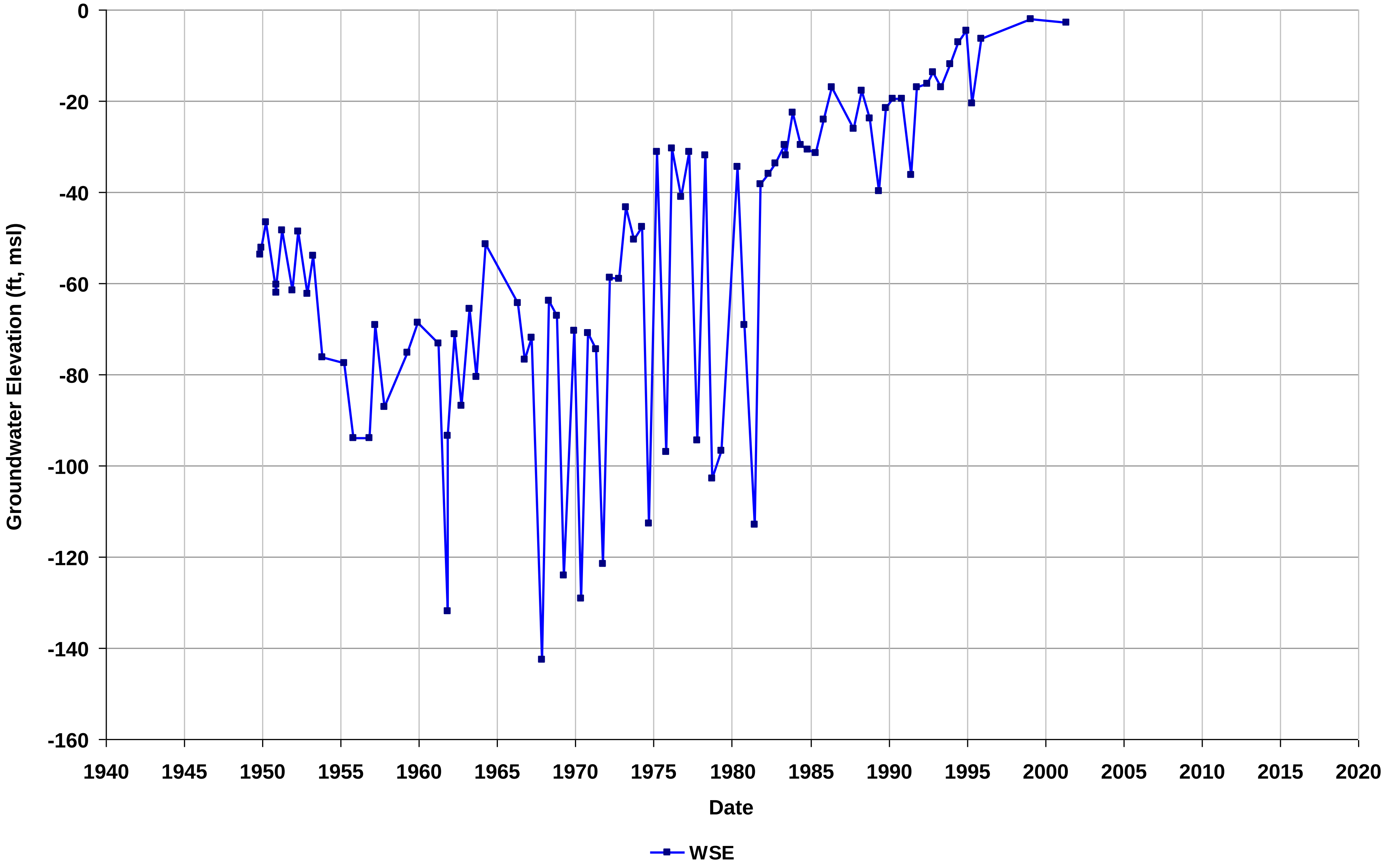
Well Name: 02S/03W-22P03
Depth Zone: Intermediate
Subbasin: East Bay Plain
GSE (ft, msl): 24

Total Depth (ft bgs): 300
Perf. Interval (ft bgs):
T/R/S: 02S/03W/22
Well Use: Industrial



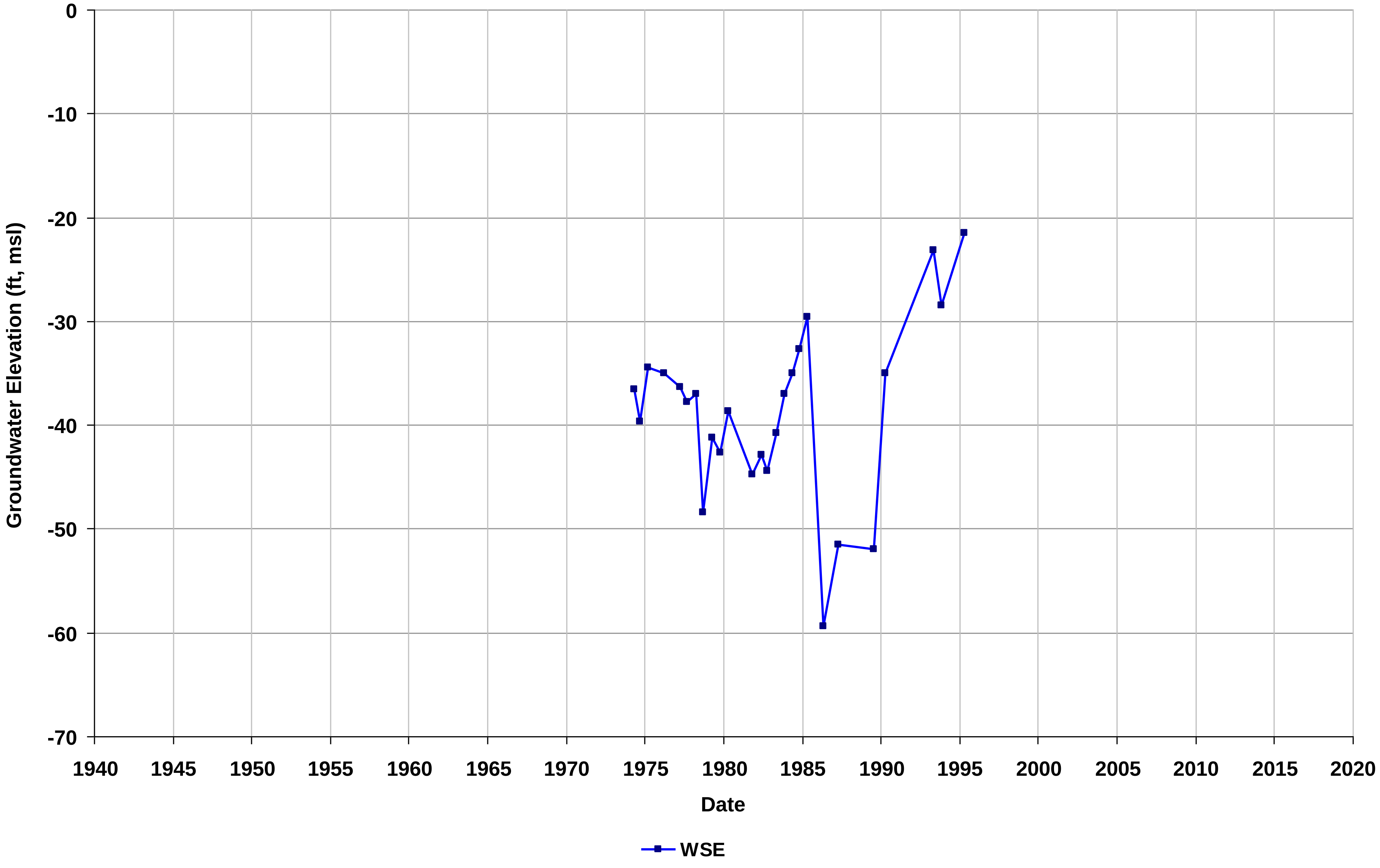
Well Name: 02S/03W-28G01
Depth Zone: Intermediate
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 250
Perf. Interval (ft bgs):
T/R/S: 02S/03W/28
Well Use: Irrigation



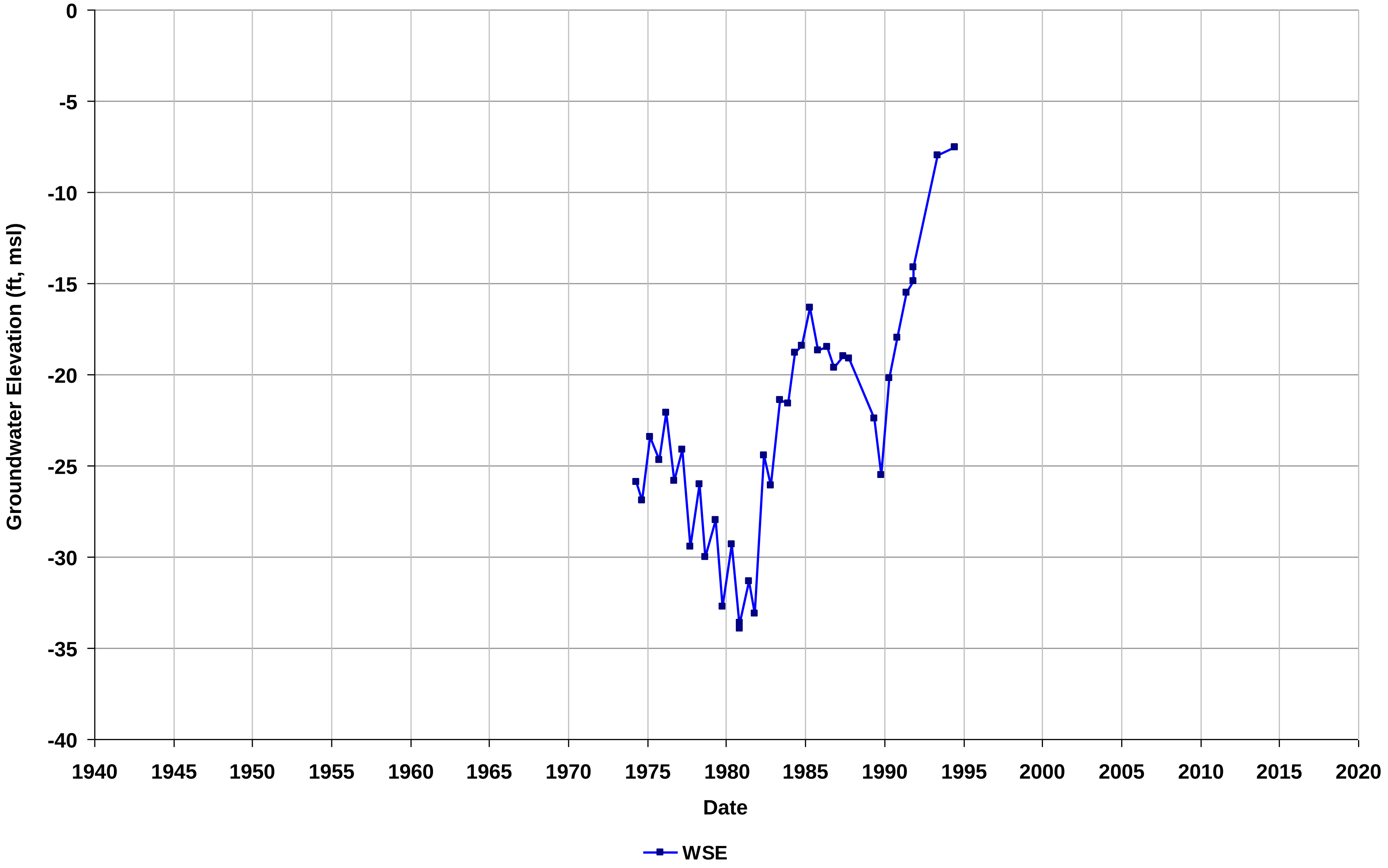
Well Name: 02S/04W-03E01
Depth Zone: Intermediate
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 353
Perf. Interval (ft bgs): 269-345
T/R/S: 02S/04W/04
Well Use: Irrigation



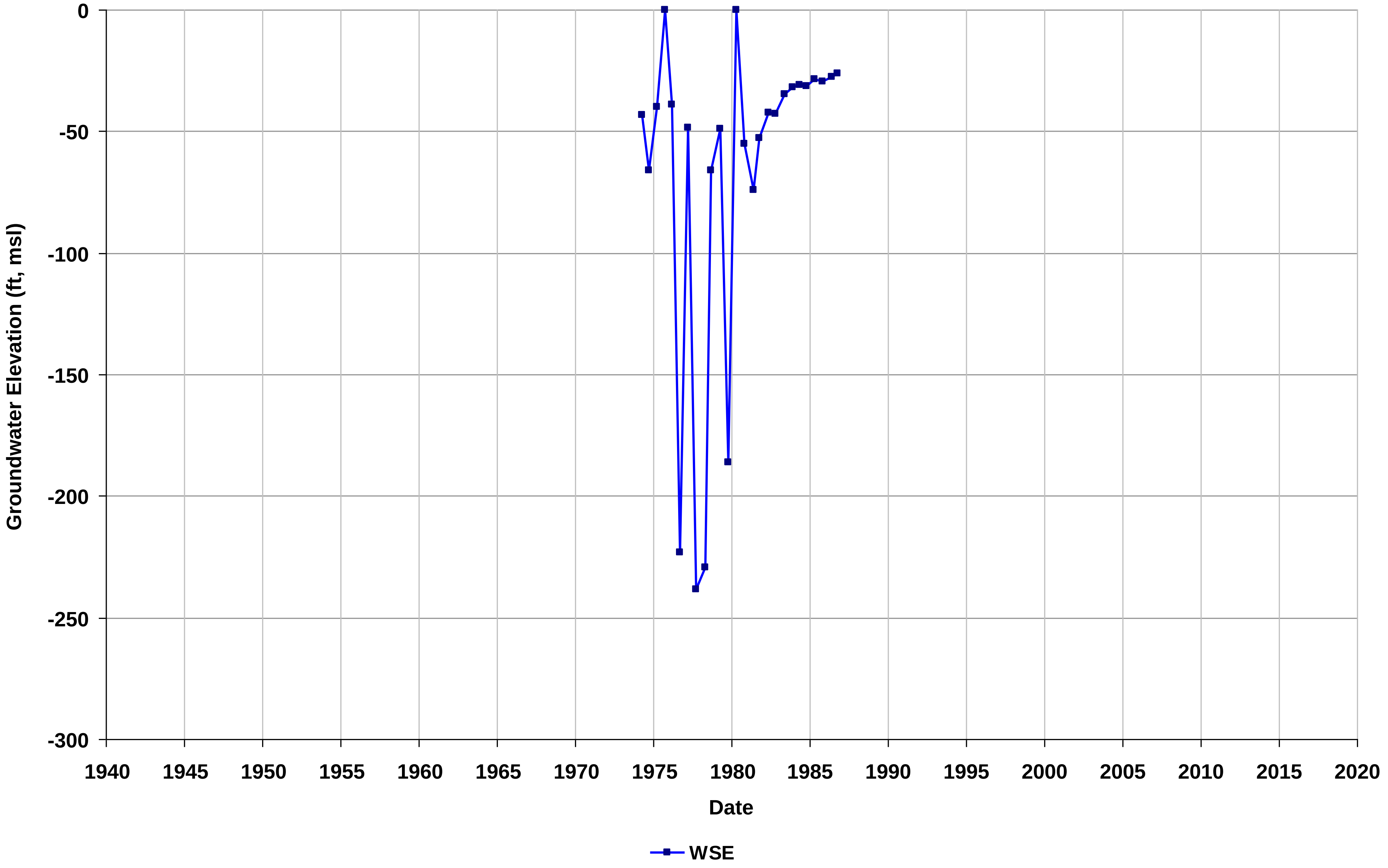
Well Name: 02S/04W-12R01
Depth Zone: Intermediate
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 325
Perf. Interval (ft bgs):
T/R/S: 02S/04W/13
Well Use: Residential



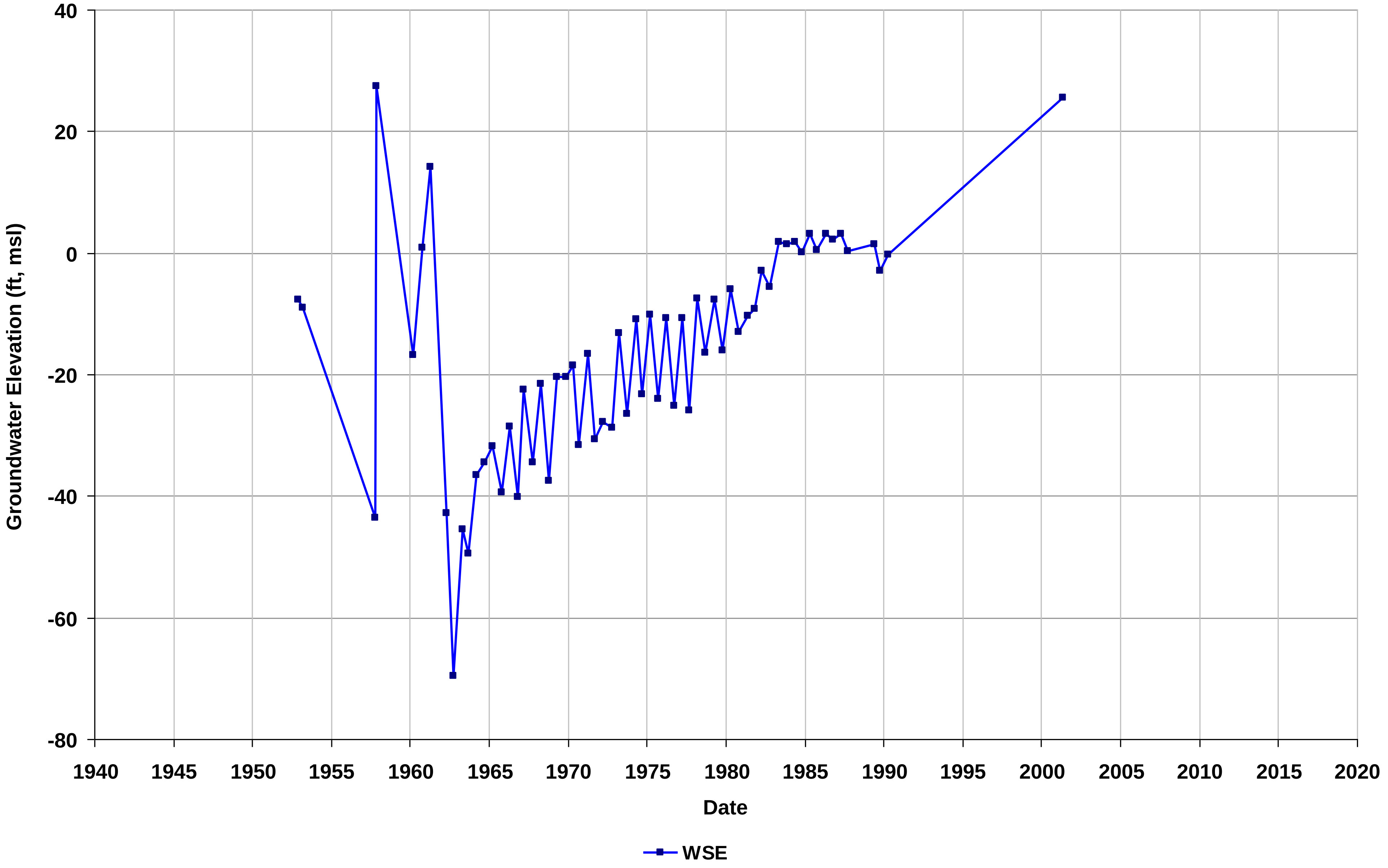
Well Name: 02S/04W-25A01
Depth Zone: Intermediate
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 325
Perf. Interval (ft bgs):
T/R/S: 02S/04W/25
Well Use: Irrigation



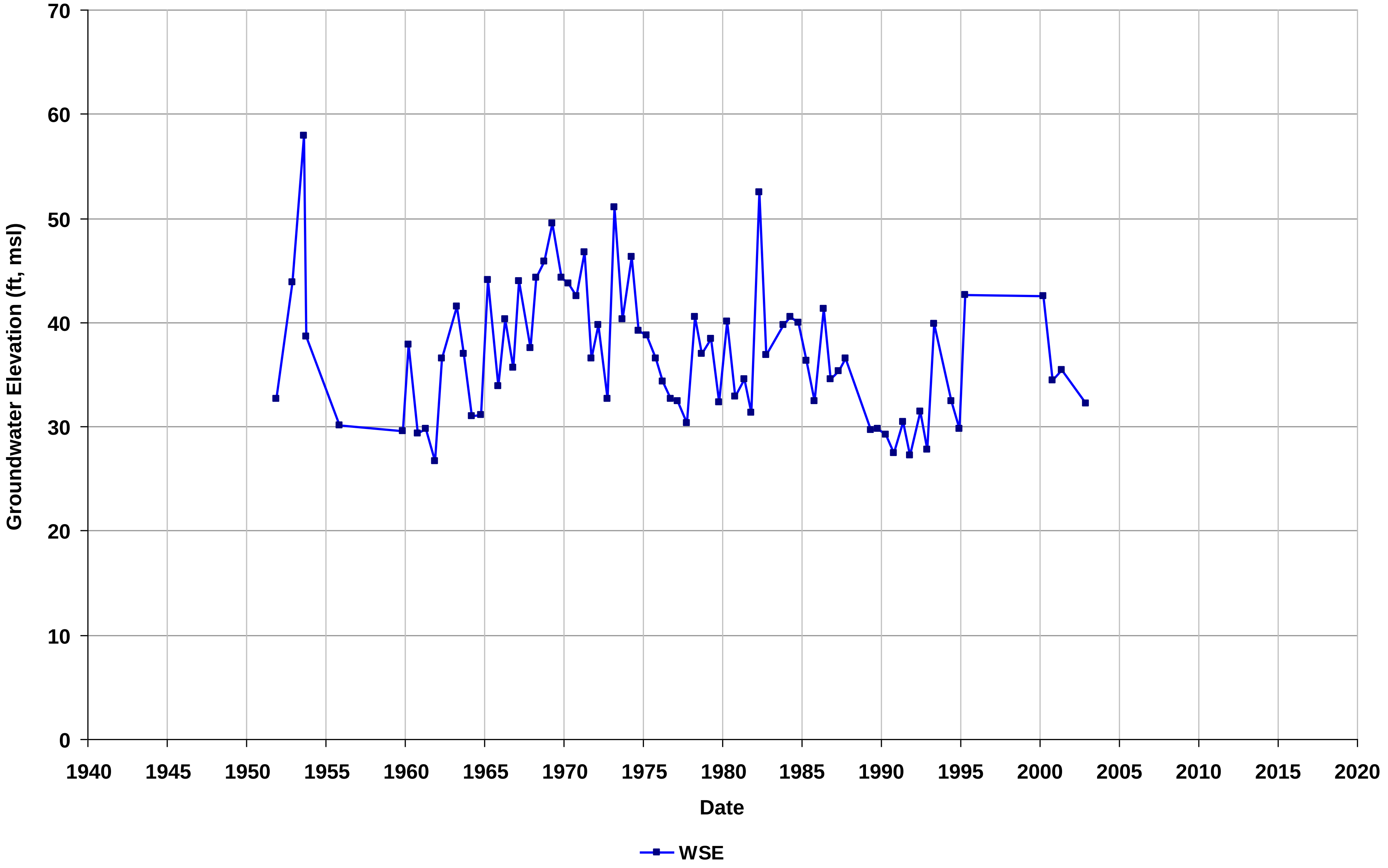
Well Name: 03S/02W-06R02
Depth Zone: Intermediate
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 440
Perf. Interval (ft bgs): 200-410
T/R/S: 03S/02W/06
Well Use: Irrigation



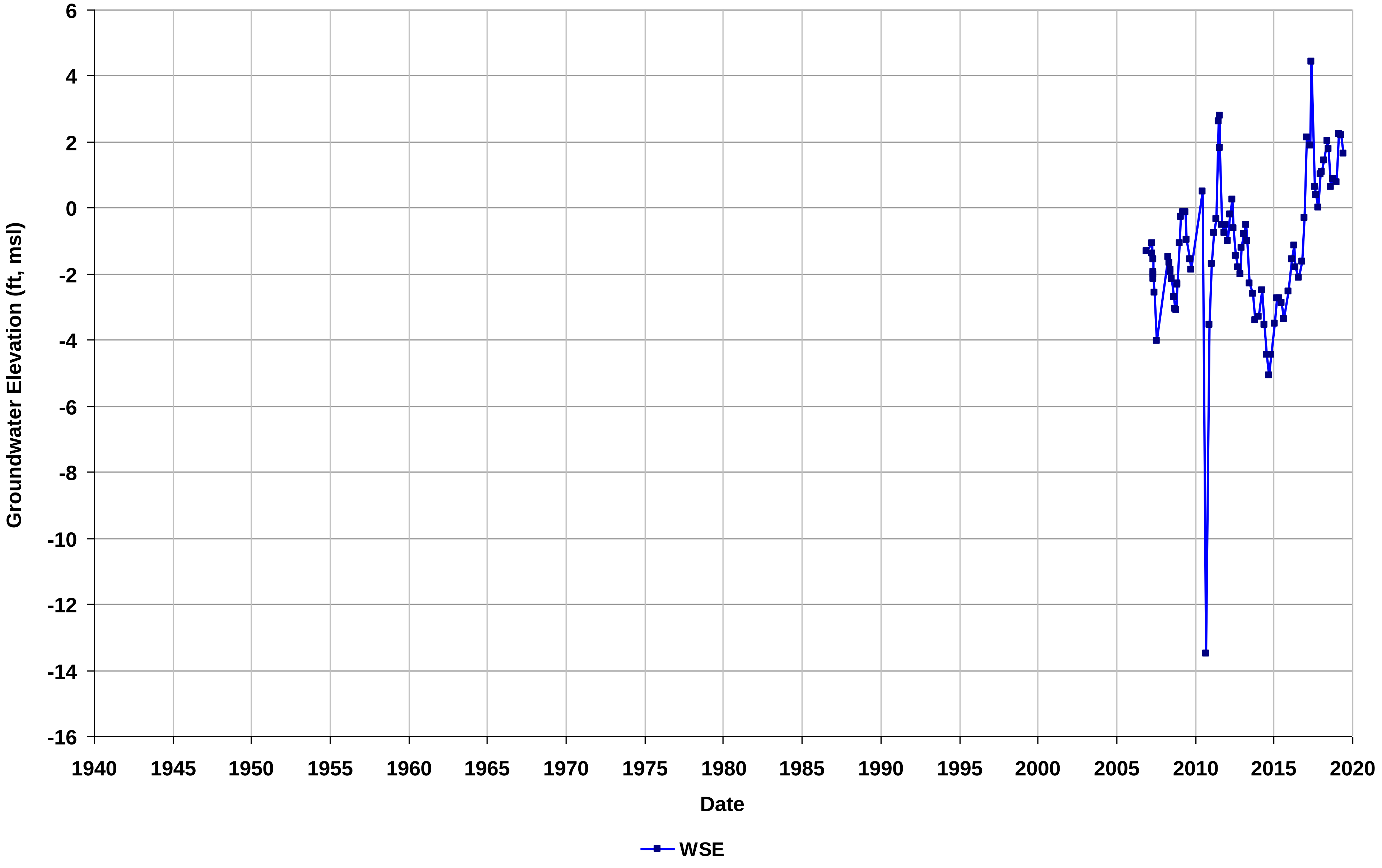
Well Name: 03S/02W-27A01
Depth Zone: Intermediate
Subbasin: East Bay Plain
GSE (ft, msl): 87

Total Depth (ft bgs): 300
Perf. Interval (ft bgs):
T/R/S: 03S/02W/26
Well Use: Irrigation



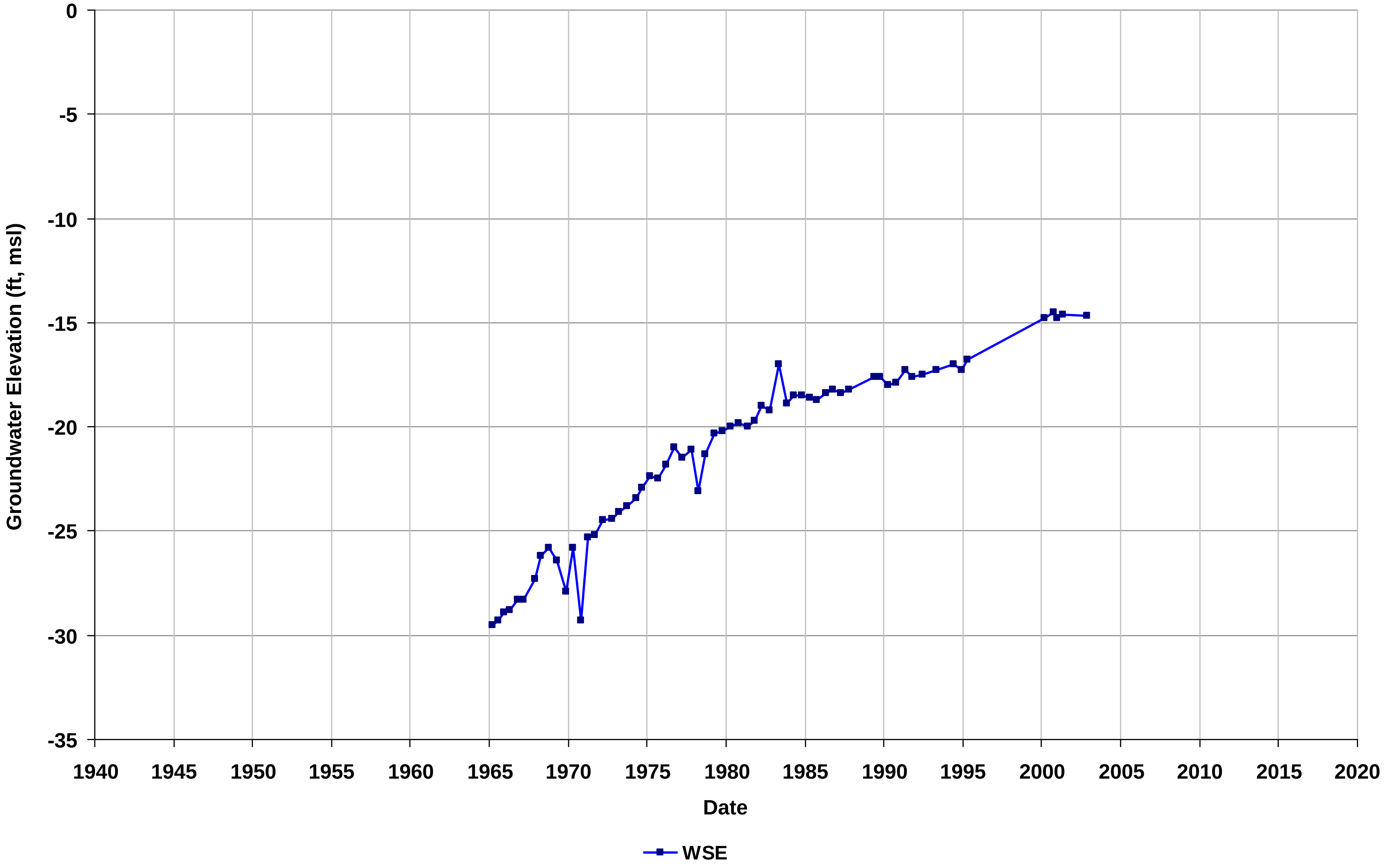
Well Name: 03S/03W-14K20
Depth Zone: Intermediate
Subbasin: East Bay Plain
GSE (ft, msl): 7

Total Depth (ft bgs): 318
Perf. Interval (ft bgs):
T/R/S: 03S/03W/14
Well Use: Unknown



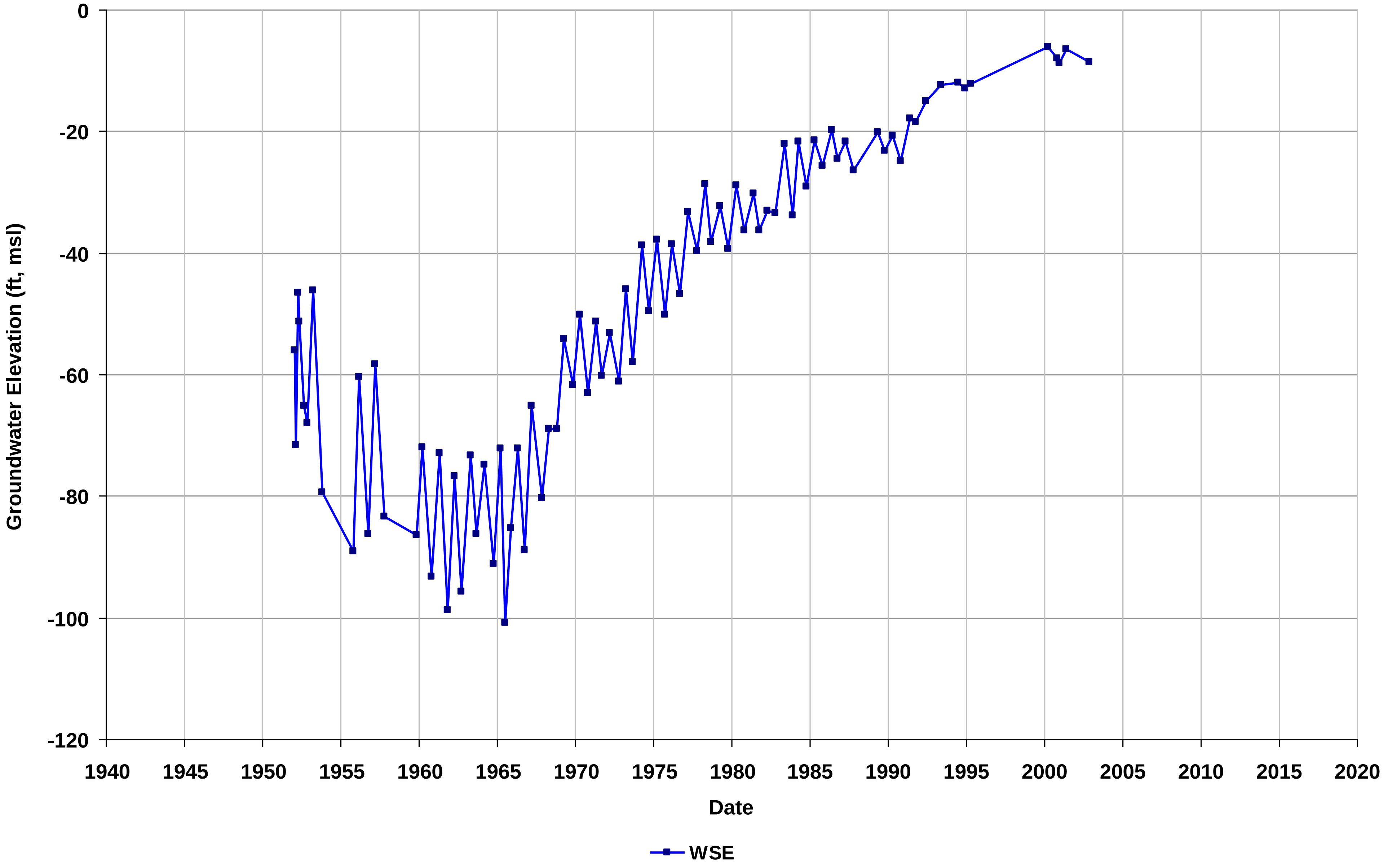
Well Name: 03S/03W-36R02
Depth Zone: Intermediate
Subbasin: East Bay Plain
GSE (ft, msl): 4

Total Depth (ft bgs): 265
Perf. Interval (ft bgs):
T/R/S: 03S/02W/31
Well Use: Industrial



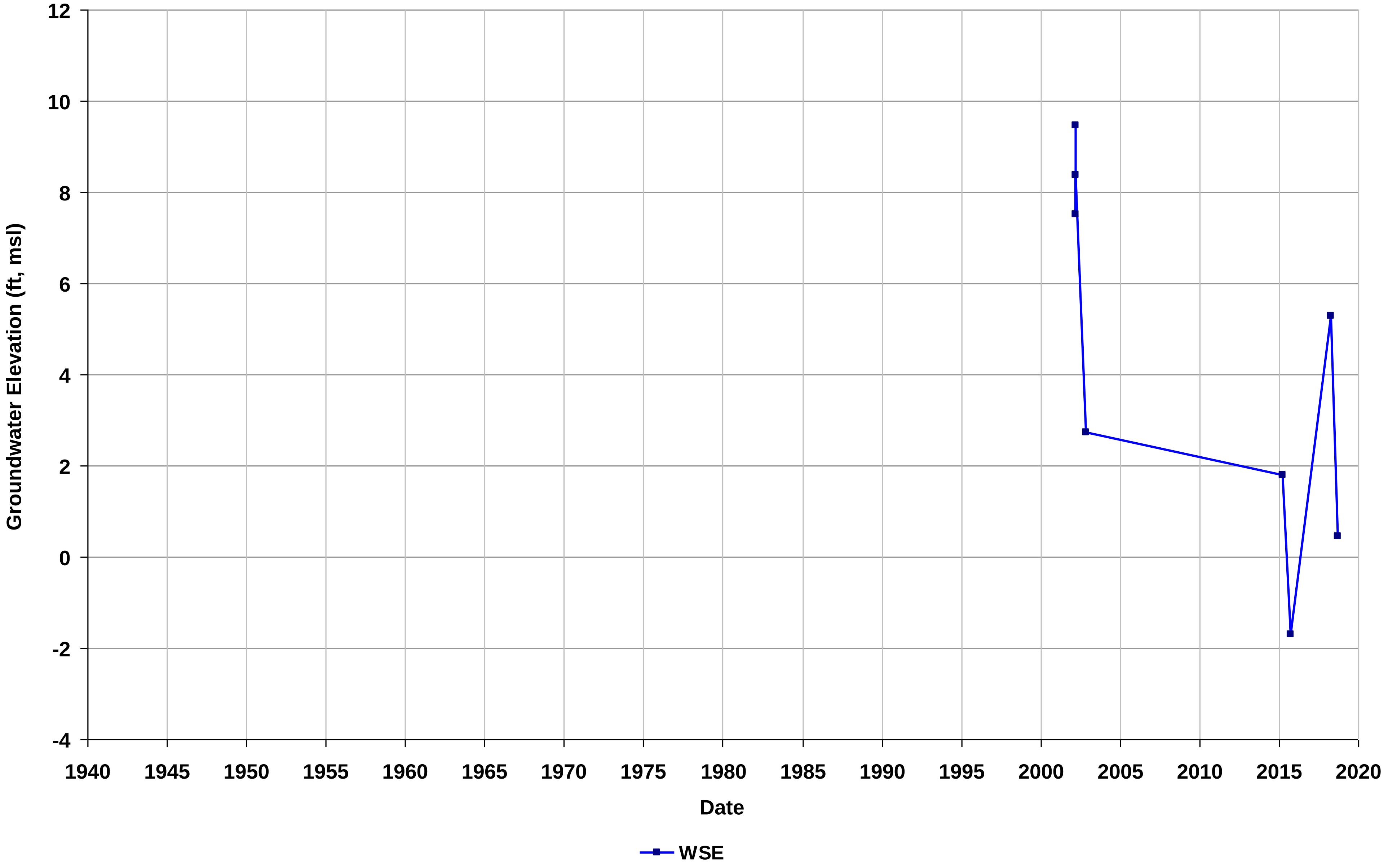
Well Name: 03S/03W-36R03
Depth Zone: Intermediate
Subbasin: East Bay Plain
GSE (ft, msl): 6

Total Depth (ft bgs): 350
Perf. Interval (ft bgs): 303-327
T/R/S: 03S/02W/31
Well Use: Industrial



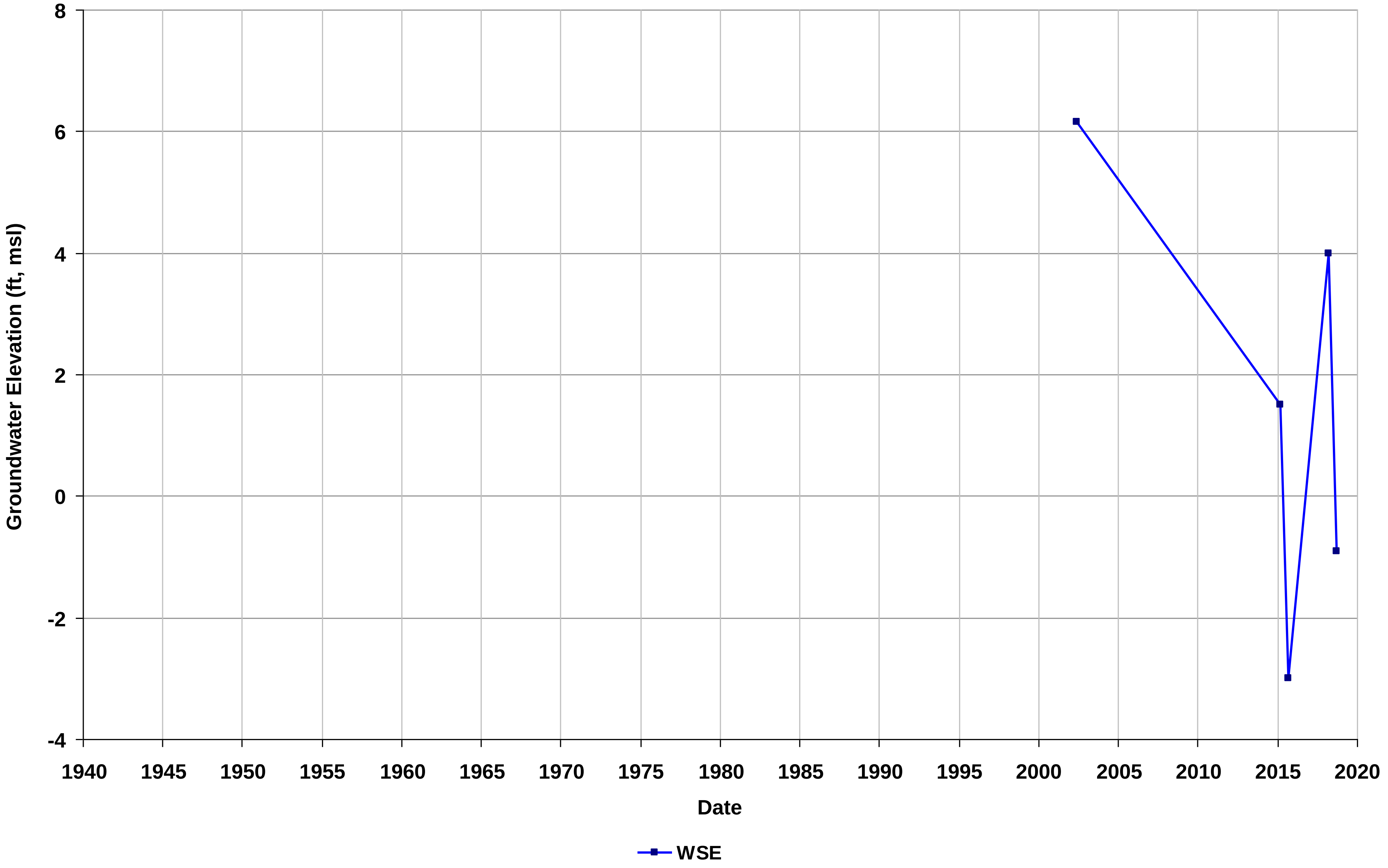
Well Name: 04S/01W-17M07
Depth Zone: Intermediate
Subbasin: Niles Cone
GSE (ft, msl): 49

Total Depth (ft bgs): 260
Perf. Interval (ft bgs):
T/R/S: 04S/01W/17
Well Use: Unknown



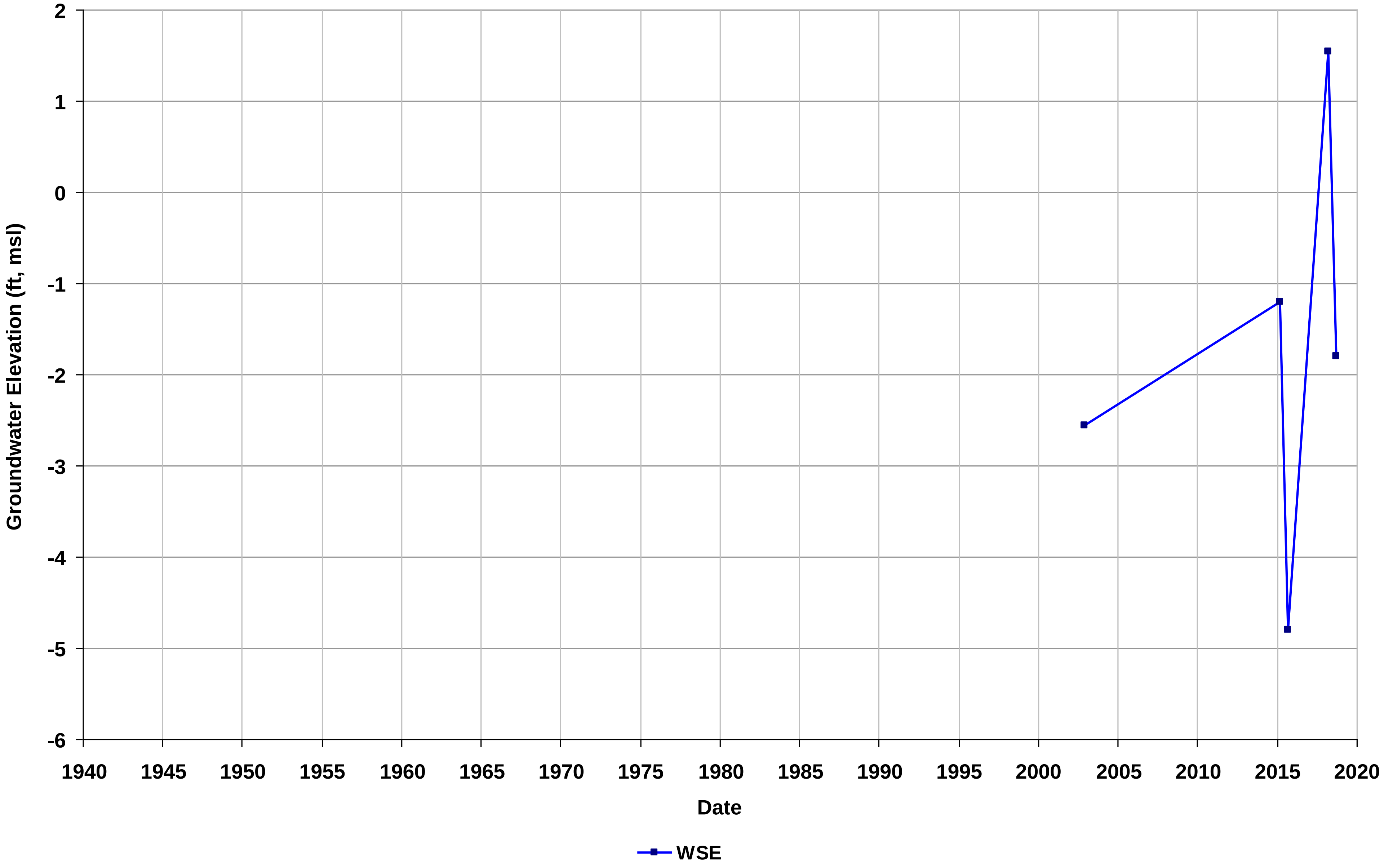
Well Name: 04S/01W-18N04
Depth Zone: Intermediate
Subbasin: Niles Cone
GSE (ft, msl): 42

Total Depth (ft bgs): 220
Perf. Interval (ft bgs):
T/R/S: 04S/01W/18
Well Use: Unknown



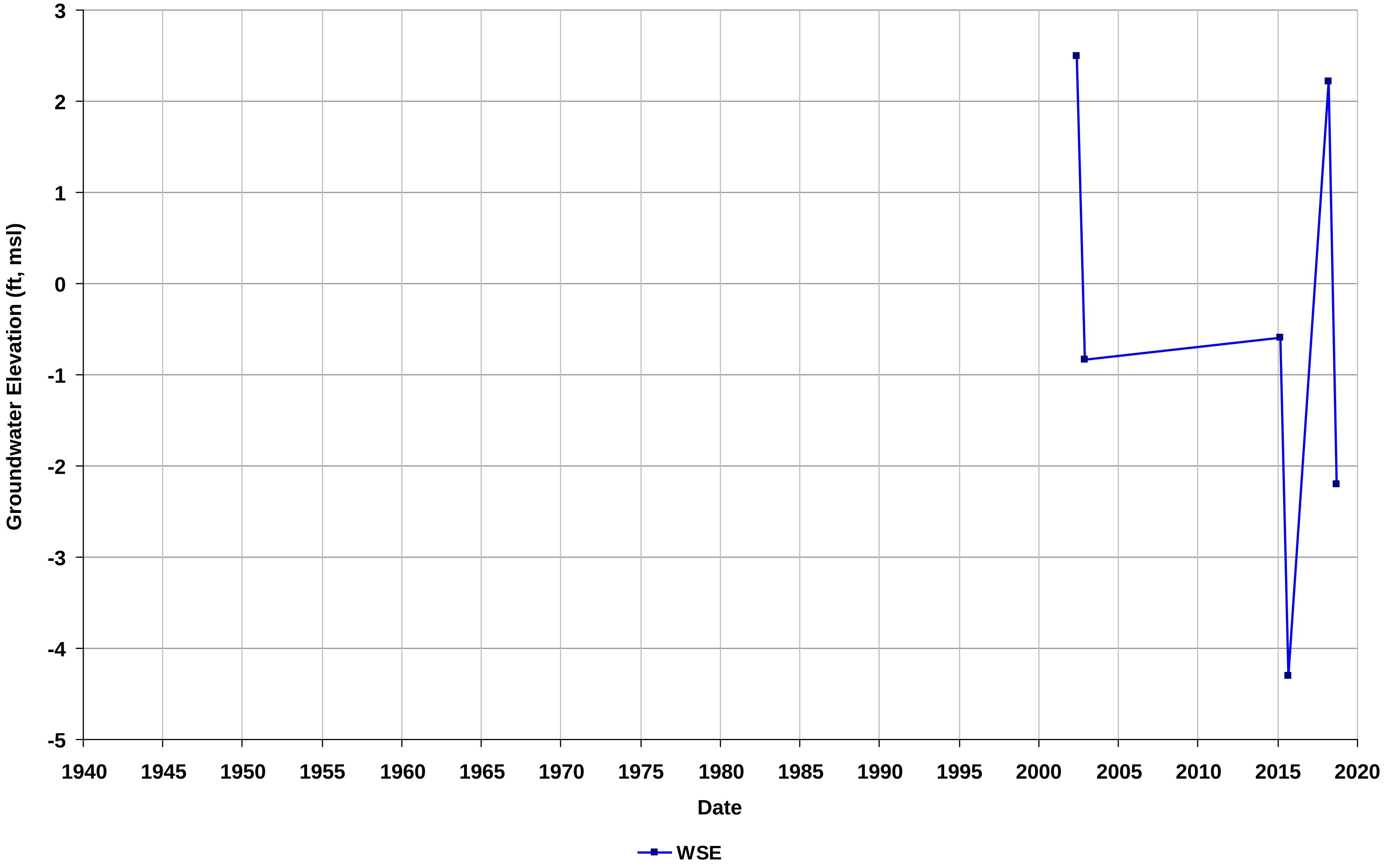
Well Name: 04S/01W-19N04
Depth Zone: Intermediate
Subbasin: Niles Cone
GSE (ft, msl): 40

Total Depth (ft bgs): 310
Perf. Interval (ft bgs):
T/R/S: 04S/01W/30
Well Use: Unknown



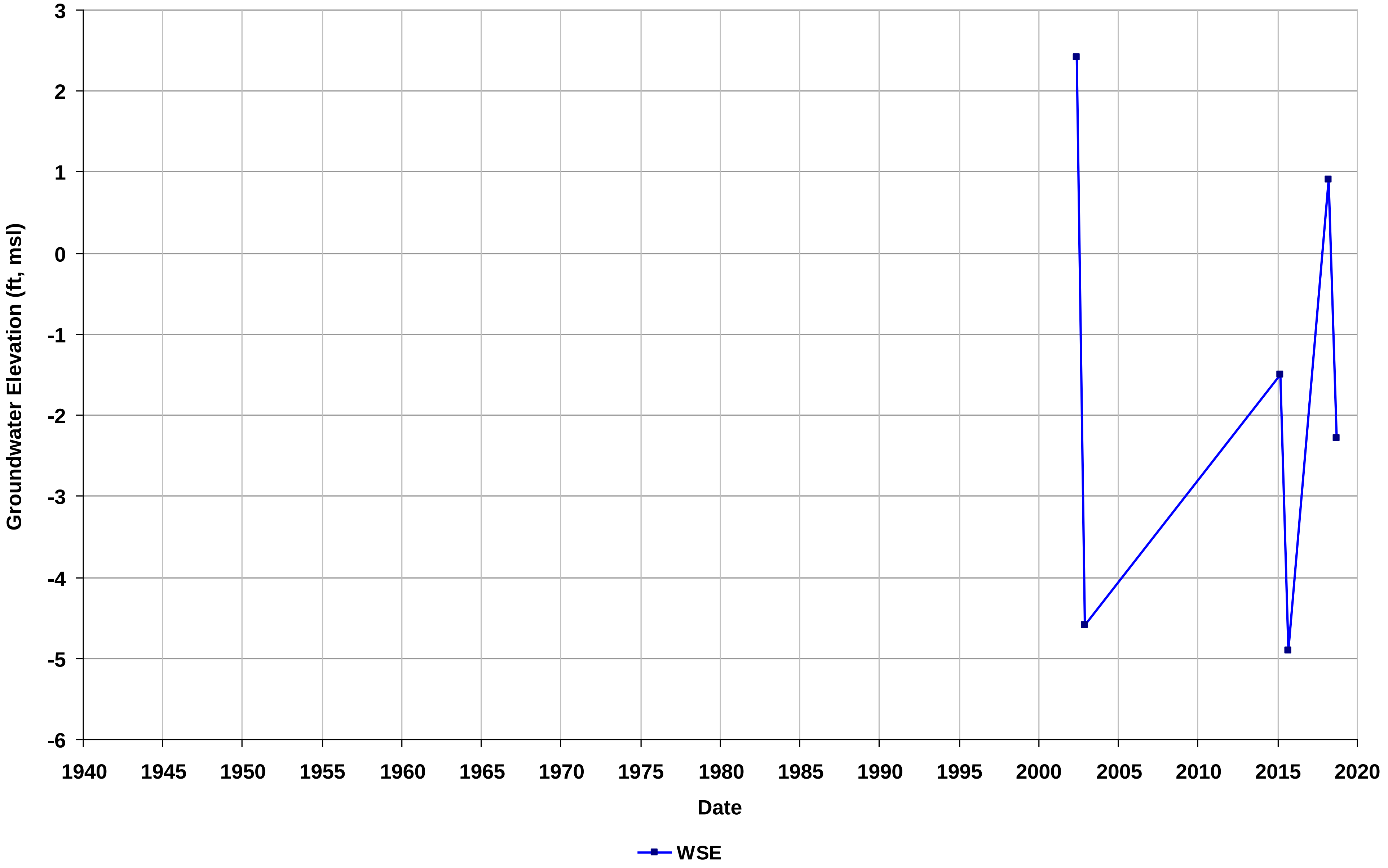
Well Name: 04S/01W-19N05
Depth Zone: Intermediate
Subbasin: Niles Cone
GSE (ft, msl): 40

Total Depth (ft bgs): 230
Perf. Interval (ft bgs):
T/R/S: 04S/01W/30
Well Use: Unknown



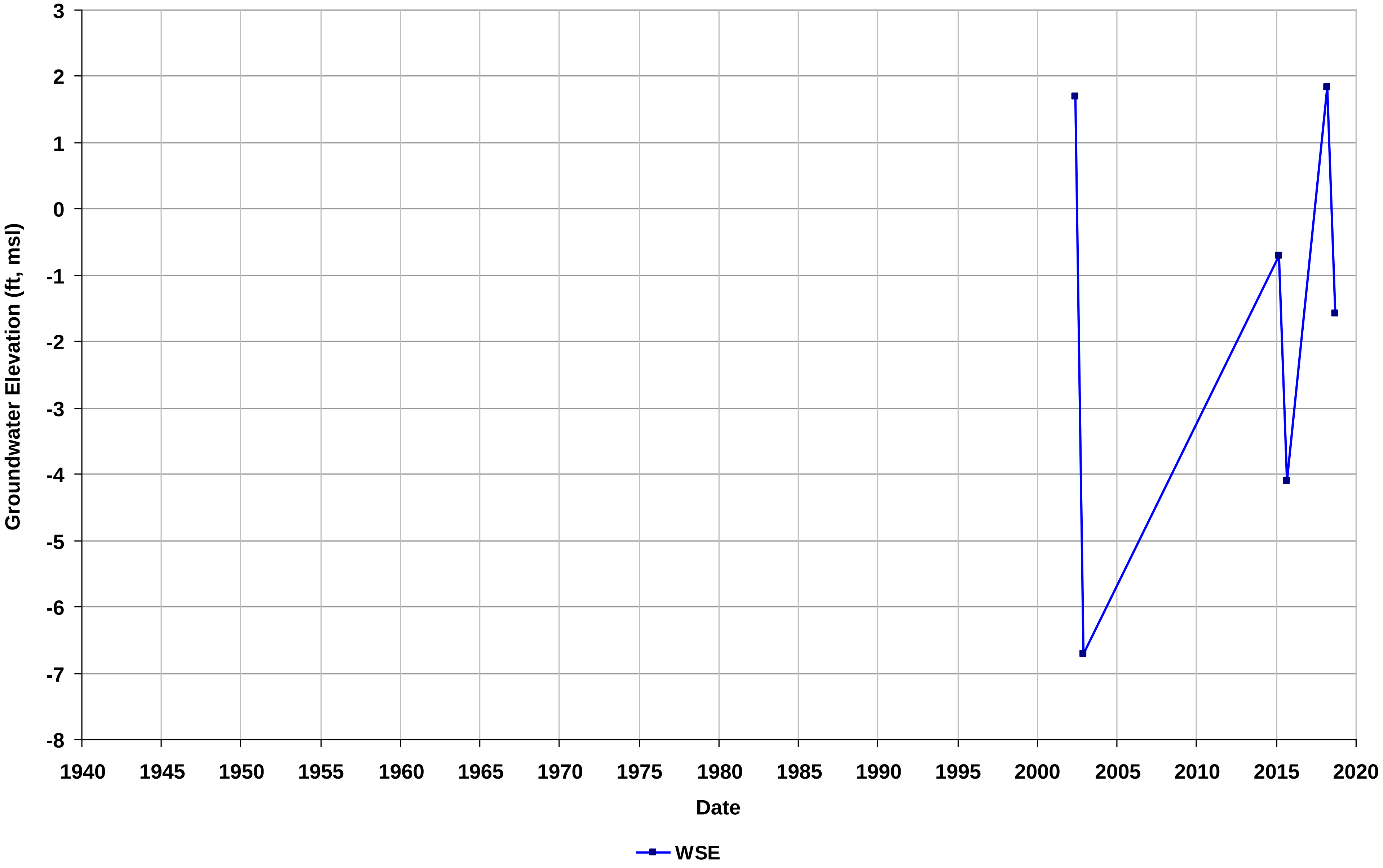
Well Name: 04S/01W-28D08
Depth Zone: Intermediate
Subbasin: Niles Cone
GSE (ft, msl): 62

Total Depth (ft bgs): 380
Perf. Interval (ft bgs):
T/R/S: 04S/01W/28
Well Use: Unknown



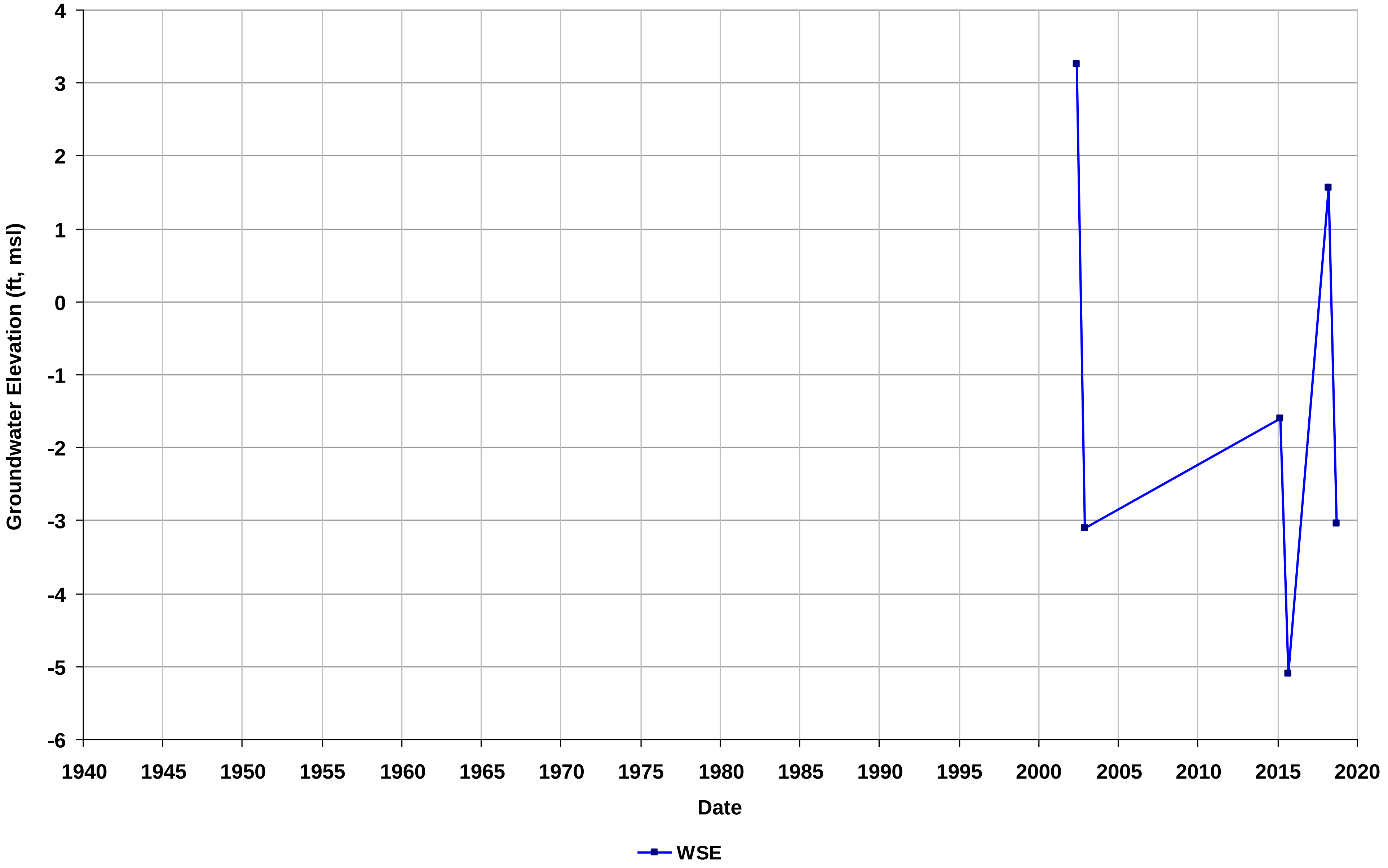
Well Name: 04S/01W-28D11
Depth Zone: Intermediate
Subbasin: Niles Cone
GSE (ft, msl): 62

Total Depth (ft bgs): 280
Perf. Interval (ft bgs):
T/R/S: 04S/01W/28
Well Use: Unknown



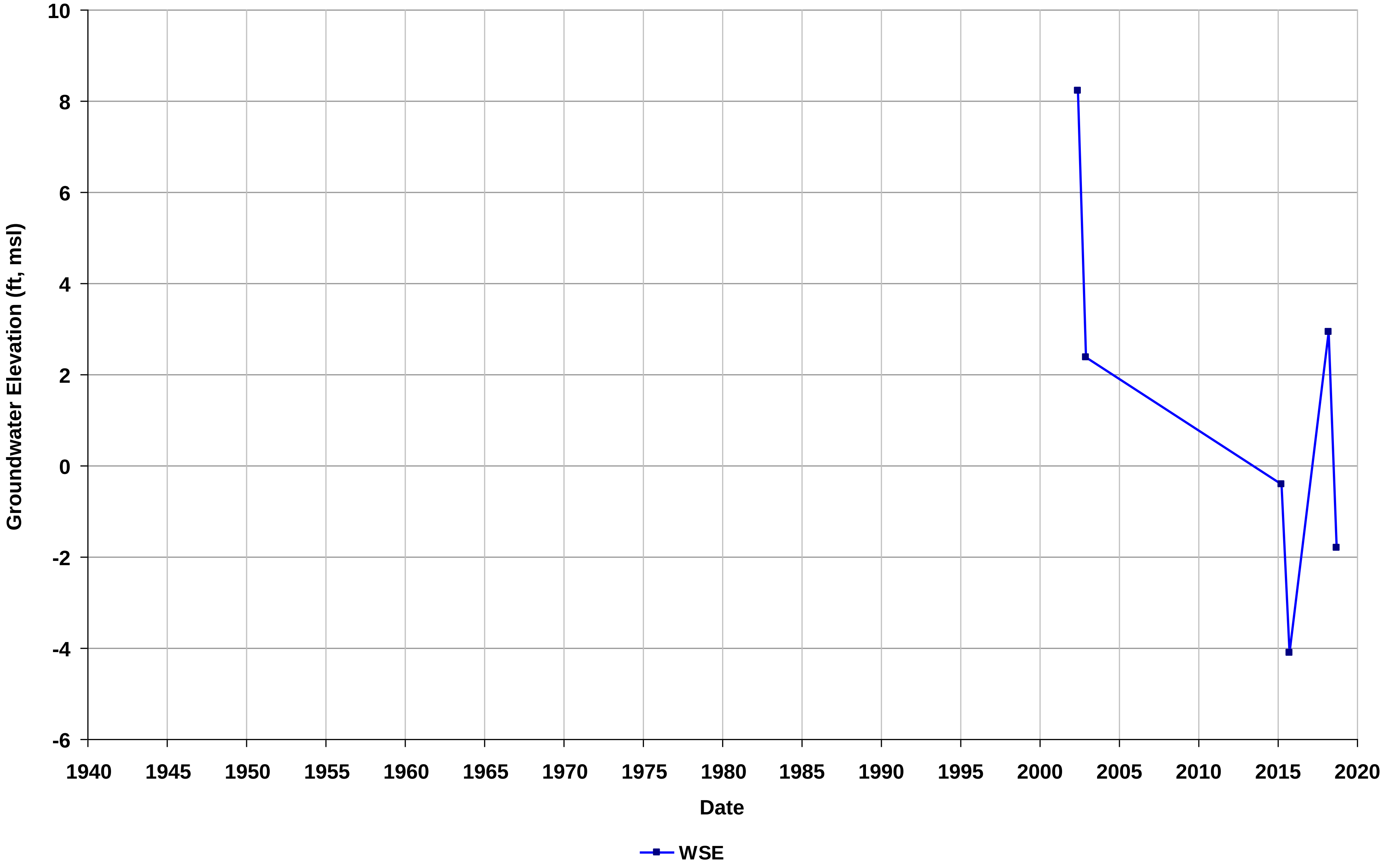
Well Name: 04S/01W-30A02
Depth Zone: Intermediate
Subbasin: Niles Cone
GSE (ft, msl): 51

Total Depth (ft bgs): 400
Perf. Interval (ft bgs):
T/R/S: 04S/01W/30
Well Use: Unknown



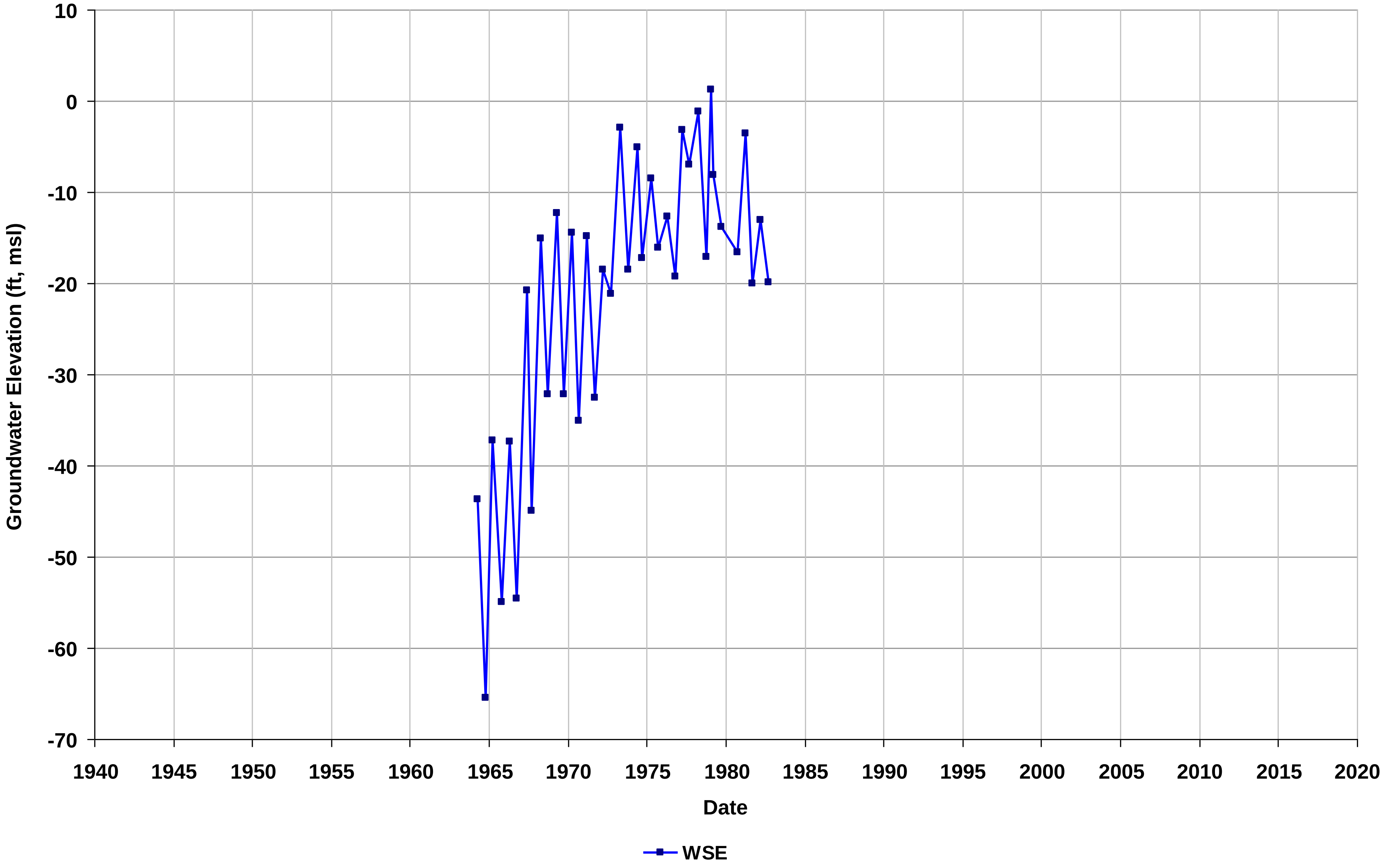
Well Name: 04S/01W-30A04
Depth Zone: Intermediate
Subbasin: Niles Cone
GSE (ft, msl): 54

Total Depth (ft bgs): 230
Perf. Interval (ft bgs): 200-230
T/R/S: 04S/01W/30
Well Use: Observation



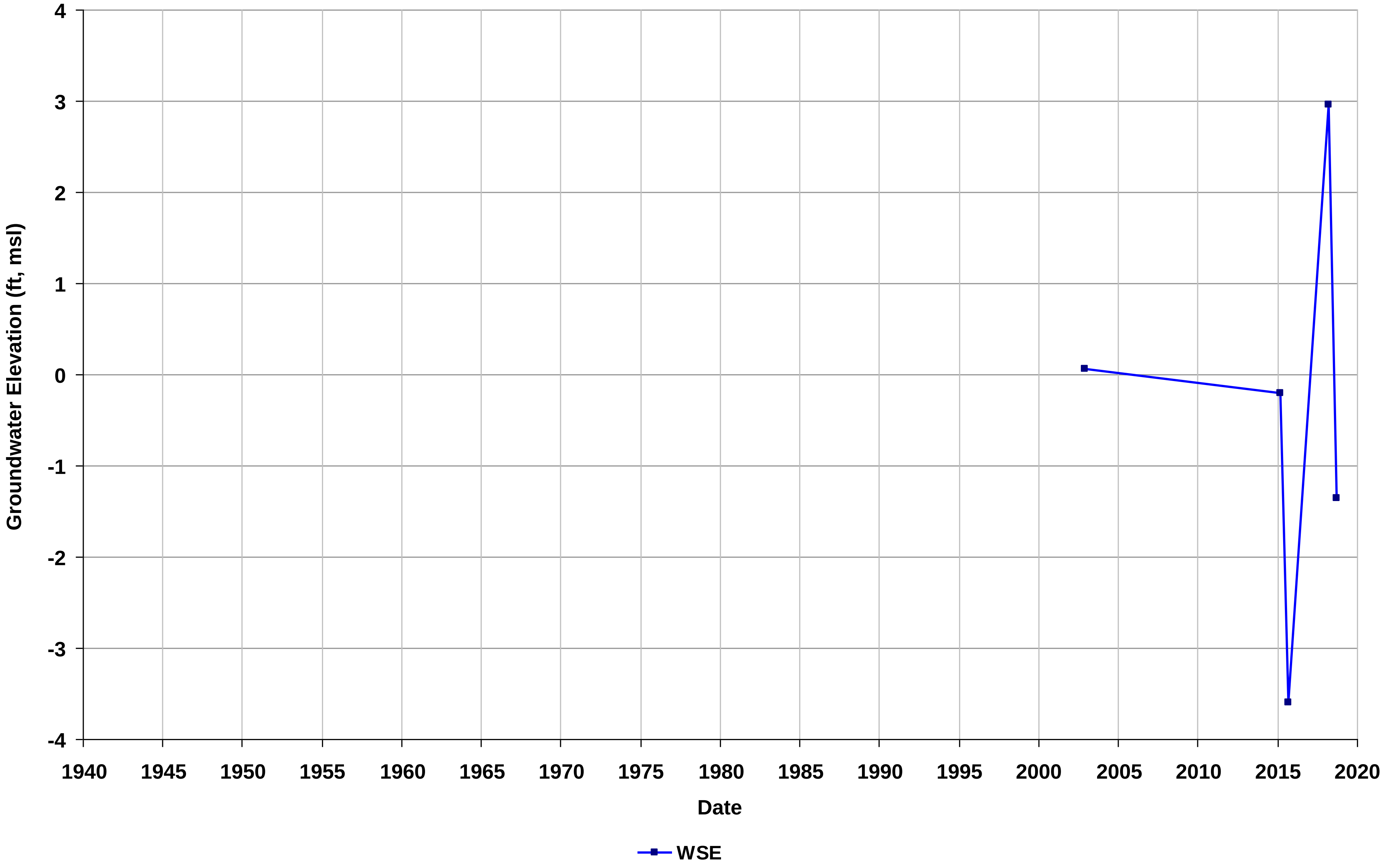
Well Name: 04S/01W-32C01
Depth Zone: Intermediate
Subbasin: Niles Cone
GSE (ft, msl): 48

Total Depth (ft bgs): 250
Perf. Interval (ft bgs):
T/R/S: 04S/01W/32
Well Use: Unknown



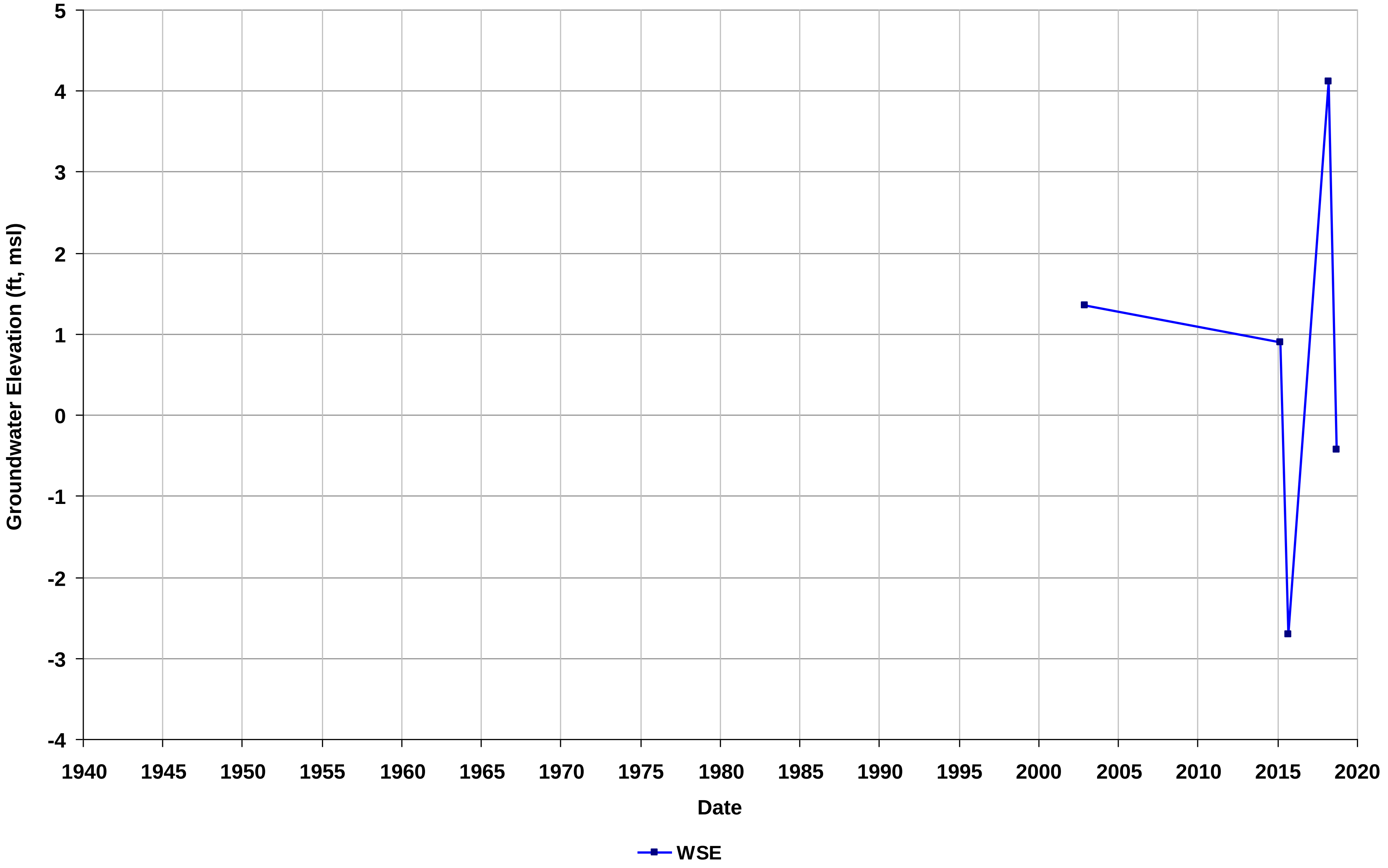
Well Name: 04S/02W-12K09
Depth Zone: Intermediate
Subbasin: Niles Cone
GSE (ft, msl): 56

Total Depth (ft bgs): 320
Perf. Interval (ft bgs): 300-310
T/R/S: 04S/02W/12
Well Use: Observation



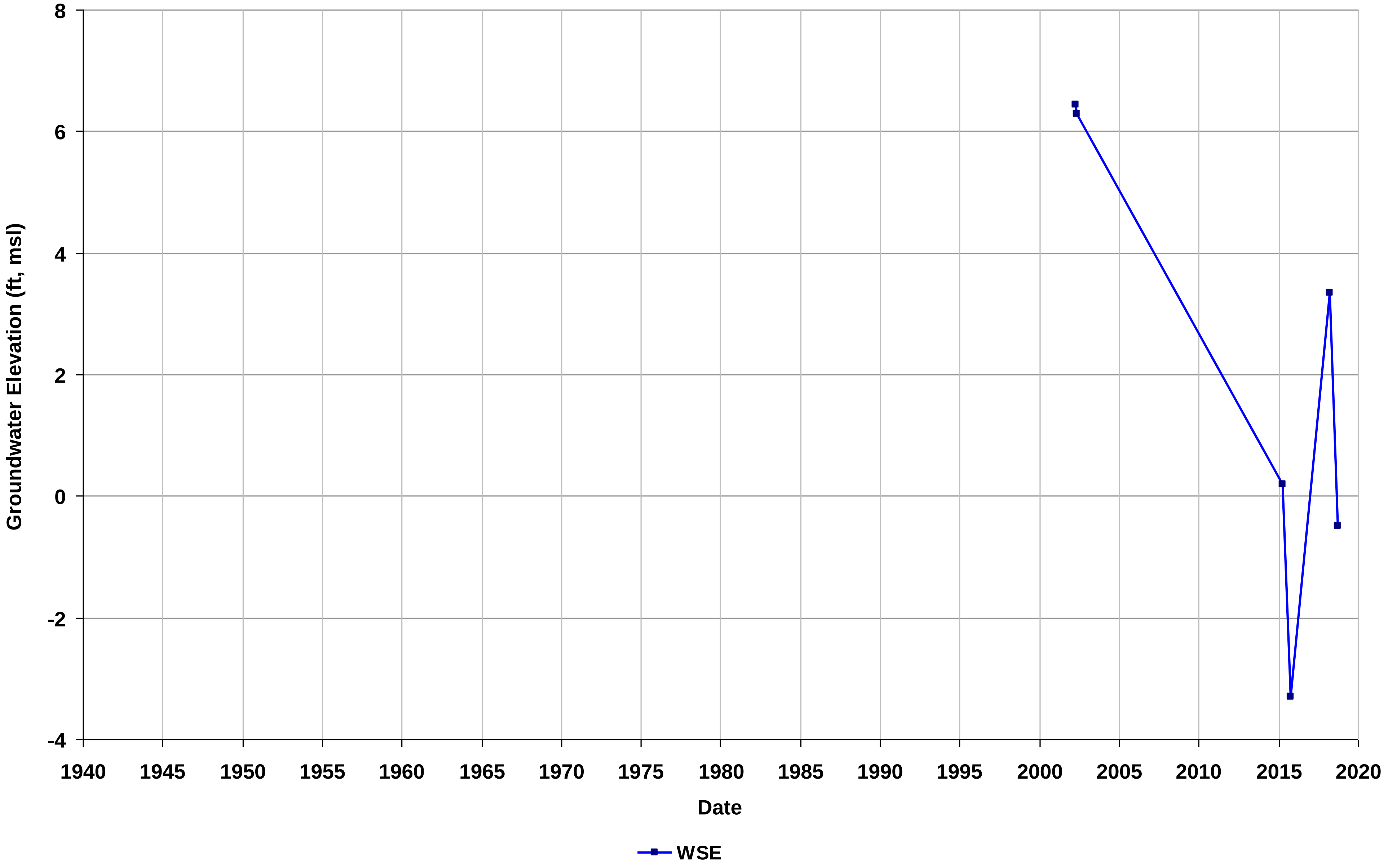
Well Name: 04S/02W-12K10
Depth Zone: Intermediate
Subbasin: Niles Cone
GSE (ft, msl): 56

Total Depth (ft bgs): 250
Perf. Interval (ft bgs): 210-240
T/R/S: 04S/02W/12
Well Use: Observation



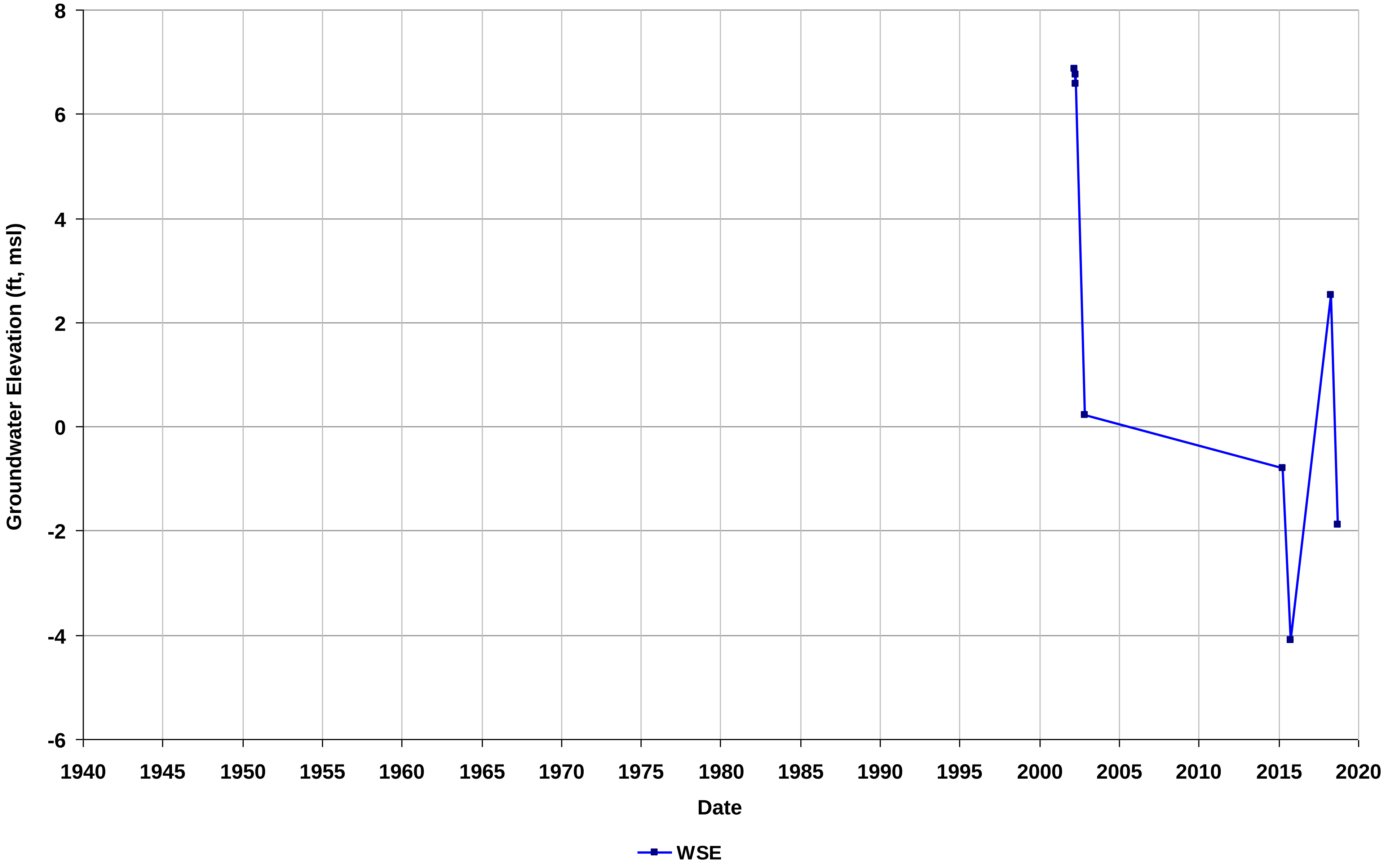
Well Name: 04S/02W-13M06
Depth Zone: Intermediate
Subbasin: Niles Cone
GSE (ft, msl): 27

Total Depth (ft bgs): 220
Perf. Interval (ft bgs):
T/R/S: 04S/02W/13
Well Use: Unknown



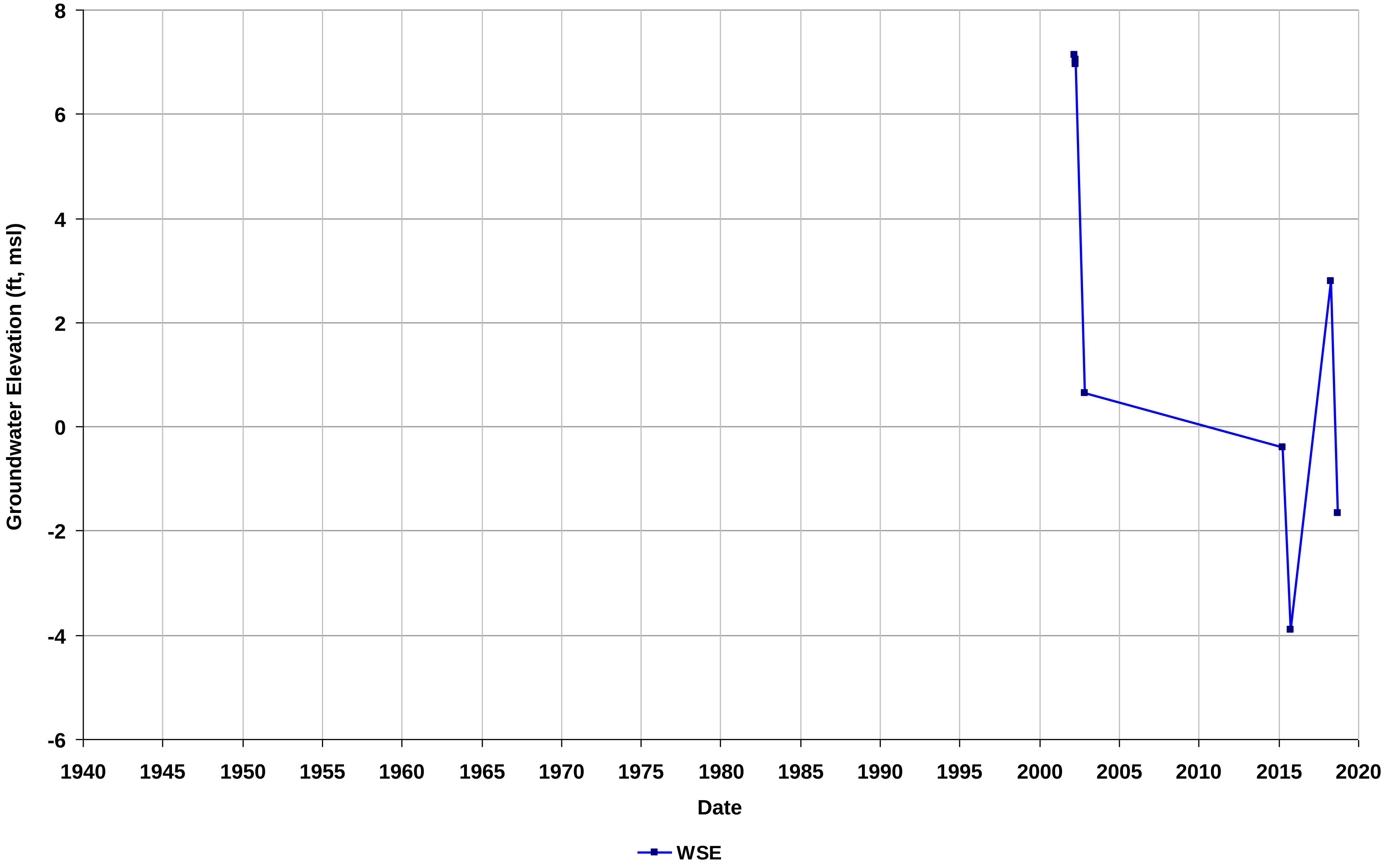
Well Name: 04S/02W-13P06
Depth Zone: Intermediate
Subbasin: Niles Cone
GSE (ft, msl): 26

Total Depth (ft bgs): 360
Perf. Interval (ft bgs):
T/R/S: 04S/02W/13
Well Use: Unknown



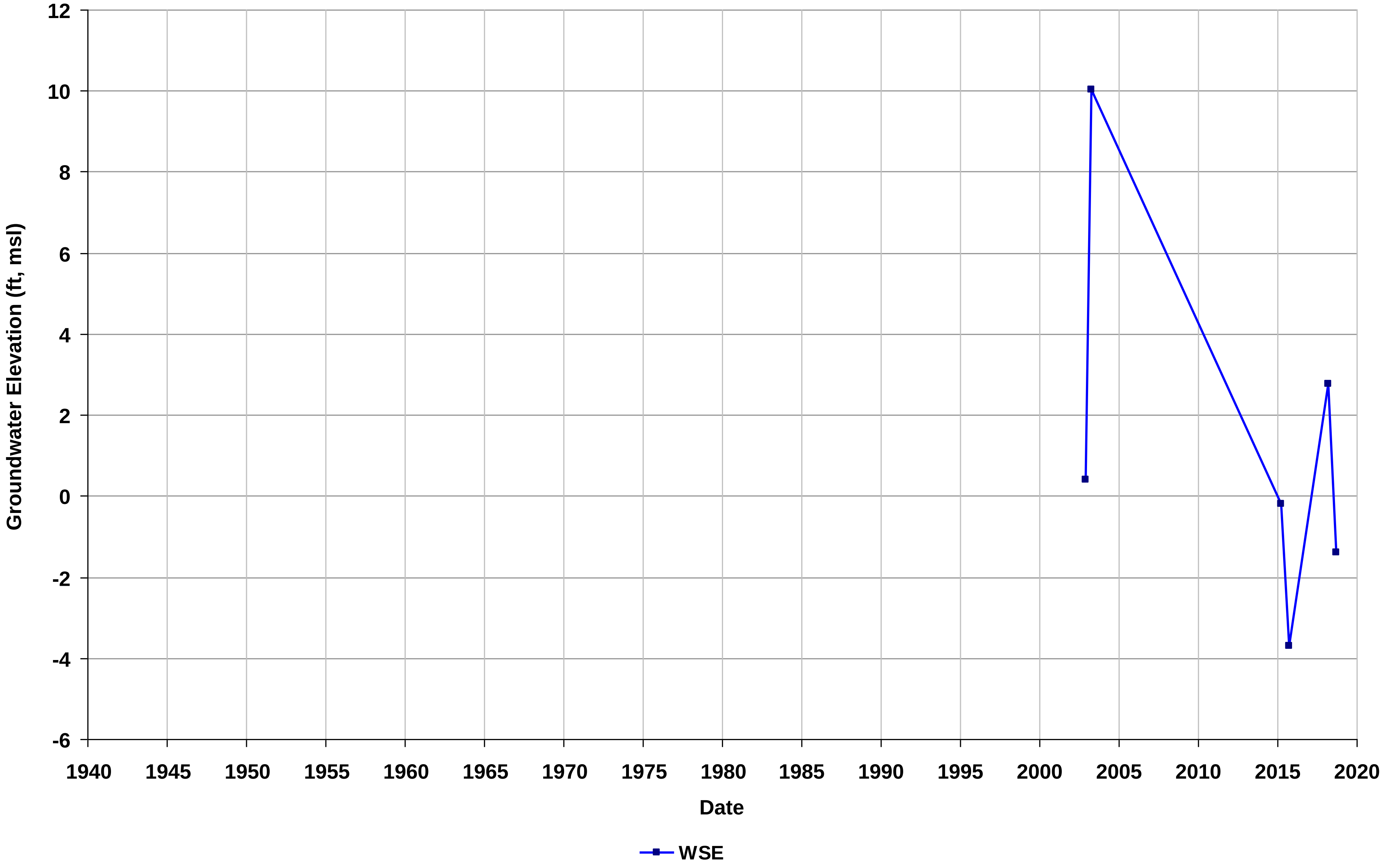
Well Name: 04S/02W-13P07
Depth Zone: Intermediate
Subbasin: Niles Cone
GSE (ft, msl): 26

Total Depth (ft bgs): 280
Perf. Interval (ft bgs):
T/R/S: 04S/02W/13
Well Use: Unknown



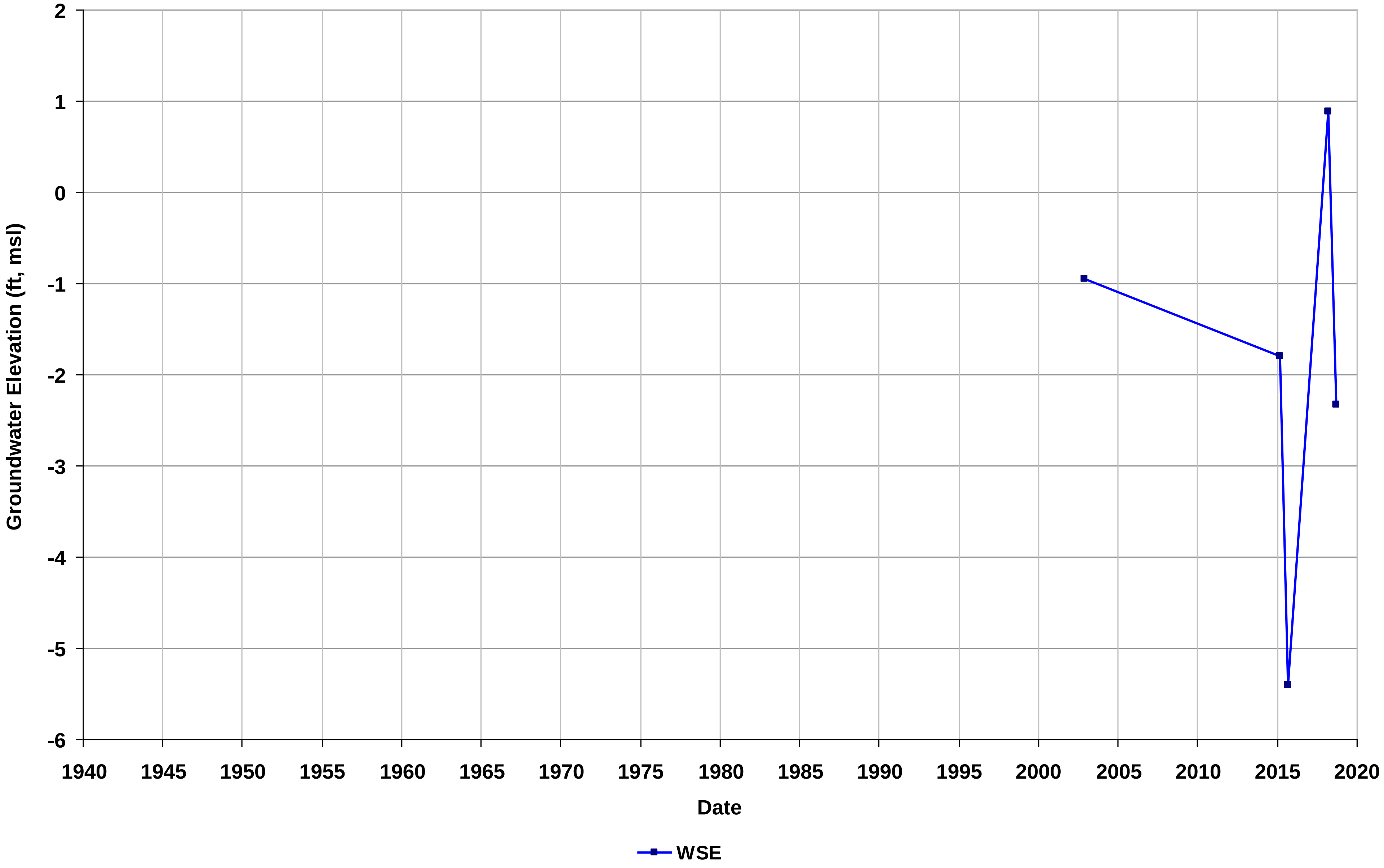
Well Name: 04S/02W-14D05
Depth Zone: Intermediate
Subbasin: Niles Cone
GSE (ft, msl): 16

Total Depth (ft bgs): 290
Perf. Interval (ft bgs): 260-280
T/R/S: 04S/02W/14
Well Use: Observation



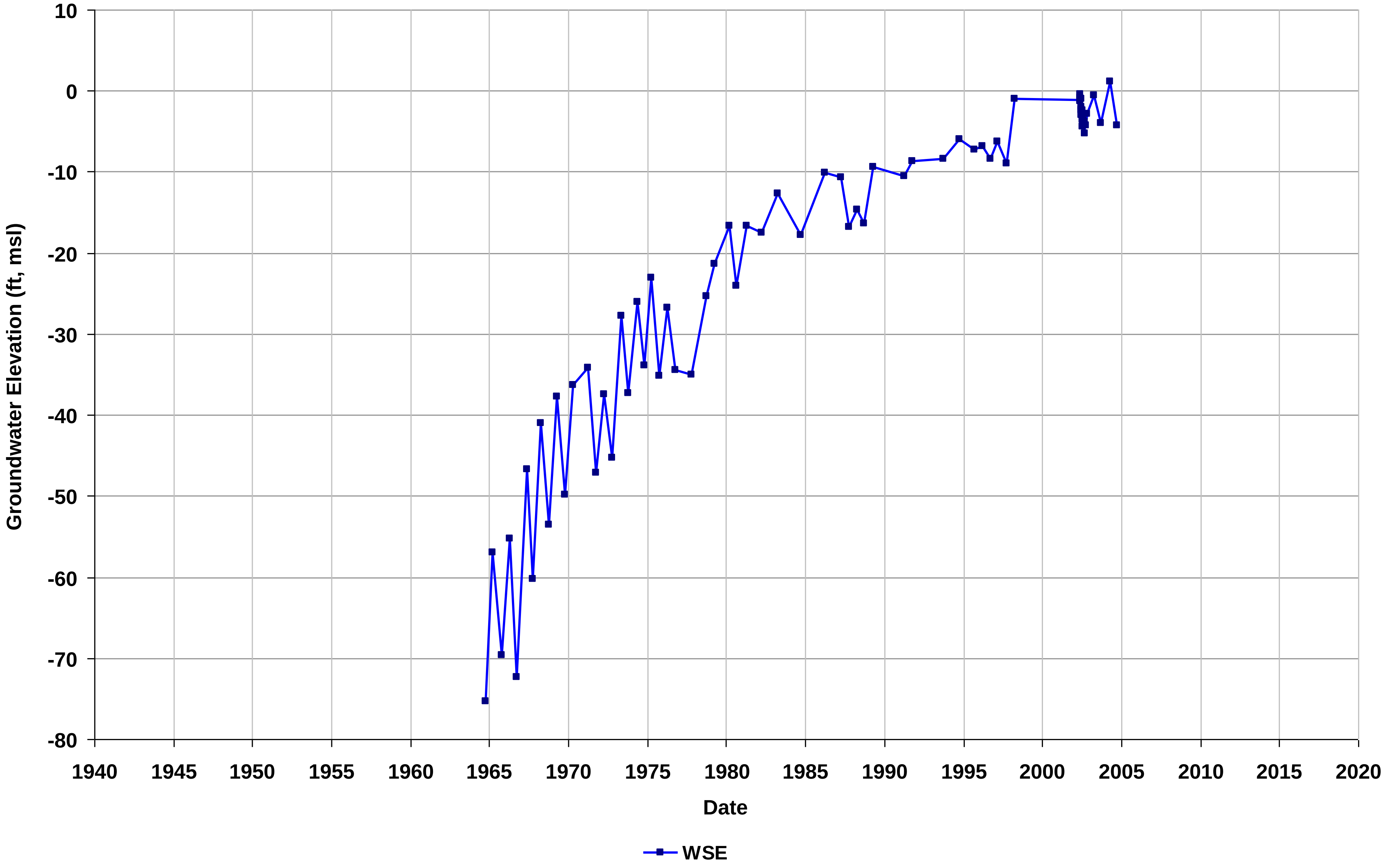
Well Name: 04S/02W-26K05
Depth Zone: Intermediate
Subbasin: Niles Cone
GSE (ft, msl): 19

Total Depth (ft bgs): 297
Perf. Interval (ft bgs):
T/R/S: 04S/02W/26
Well Use: Unknown



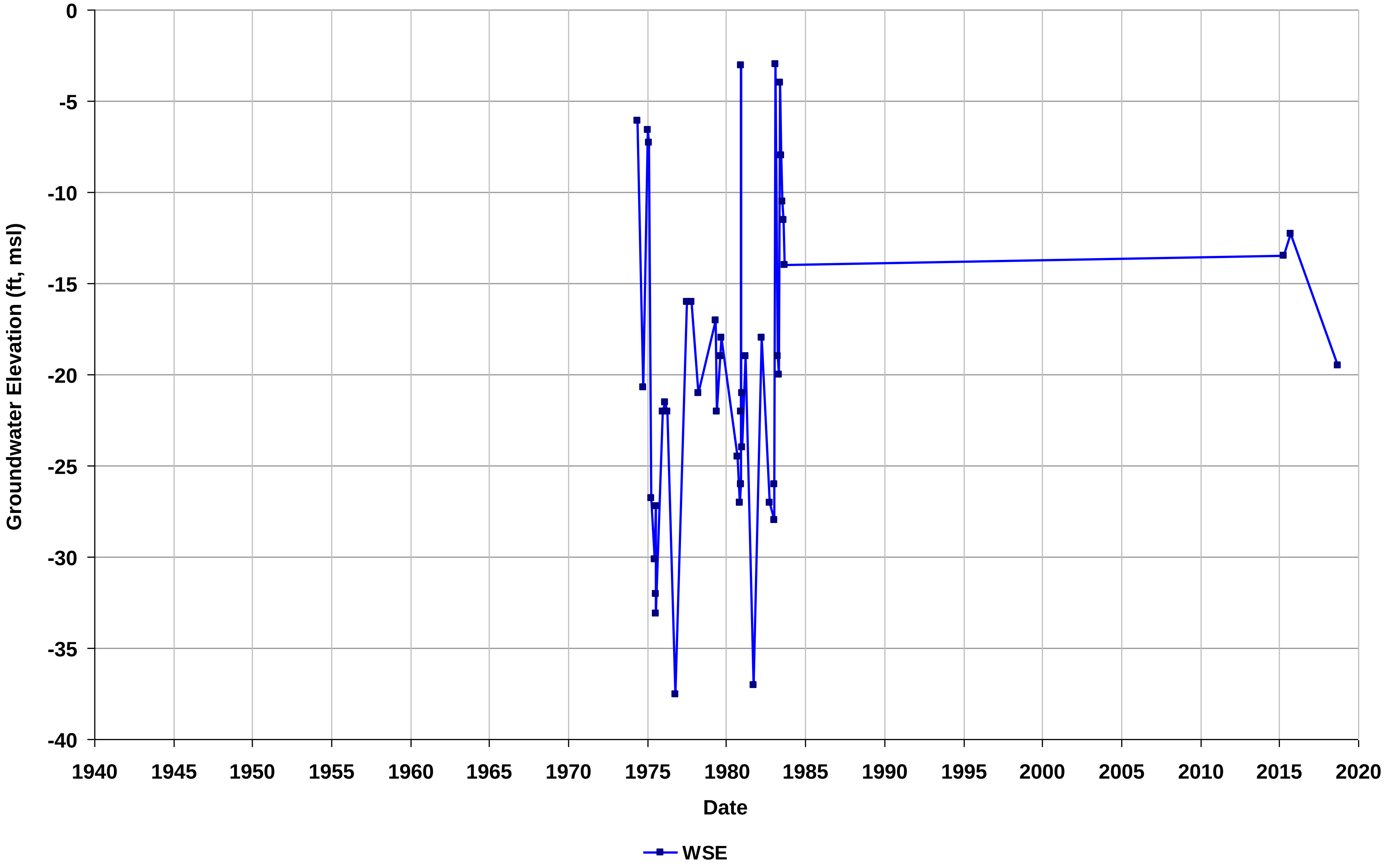
Well Name: 04S/03W-13B01
Depth Zone: Intermediate
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs): 441
Perf. Interval (ft bgs): 310-357
T/R/S: 04S/03W/13
Well Use: Observation



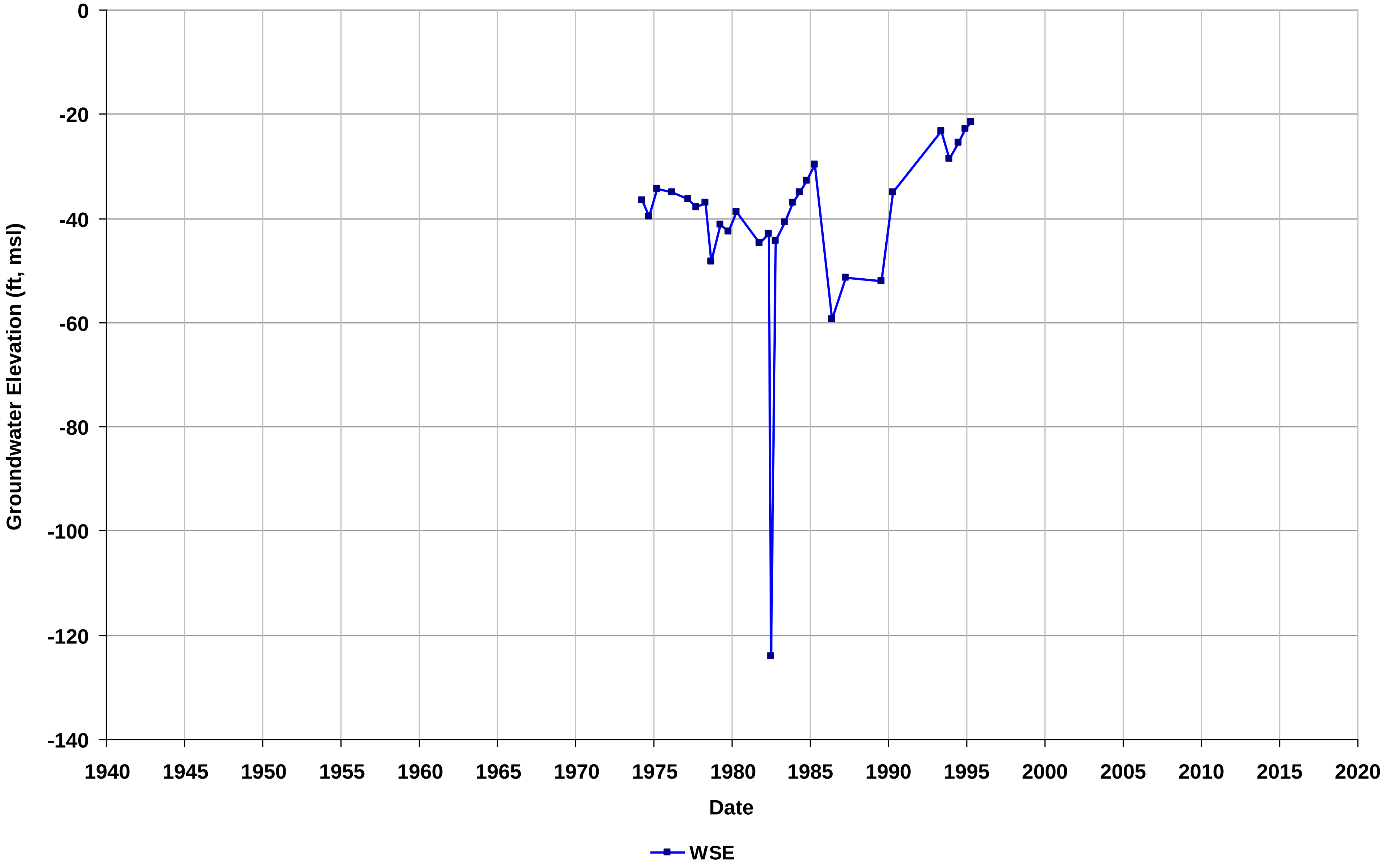
Well Name: 05S/01W-06H04
Depth Zone: Intermediate
Subbasin: Niles Cone
GSE (ft, msl): 26

Total Depth (ft bgs): 279
Perf. Interval (ft bgs):
T/R/S: 05S/01W/06
Well Use: Unknown



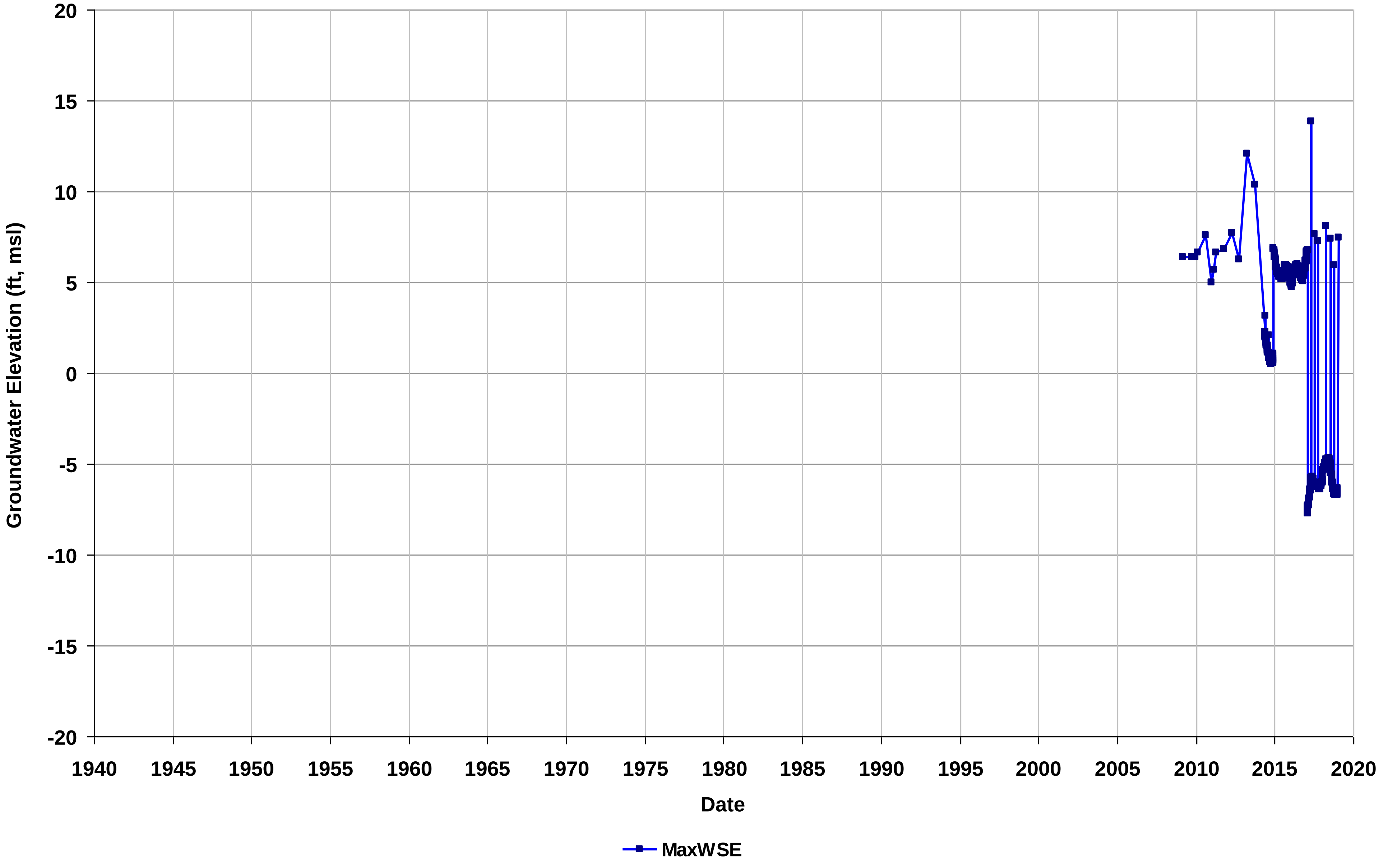
Well Name: 223.3E1
Depth Zone: Intermediate
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
erf. Interval (ft bgs): 269-292; 343-345
T/R/S: 02S/04W/03
Well Use: Unknown



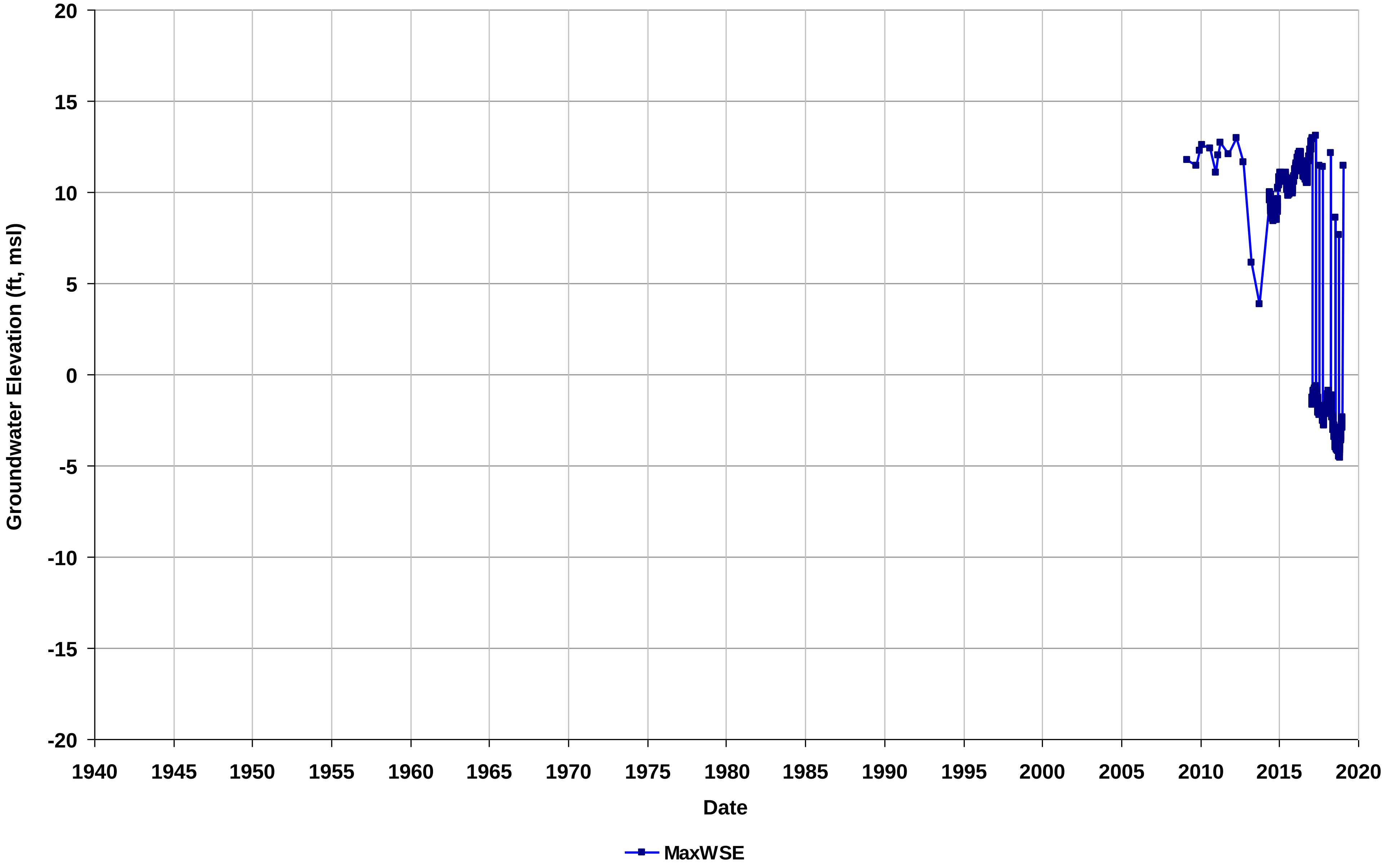
Well Name: EBMUD MW-5I
Depth Zone: Intermediate
Subbasin: East Bay Plain
GSE (ft, msl): 13

Total Depth (ft bgs): 460
Perf. Interval (ft bgs): 315-325
T/R/S: 03S/03W/13
Well Use: Observation



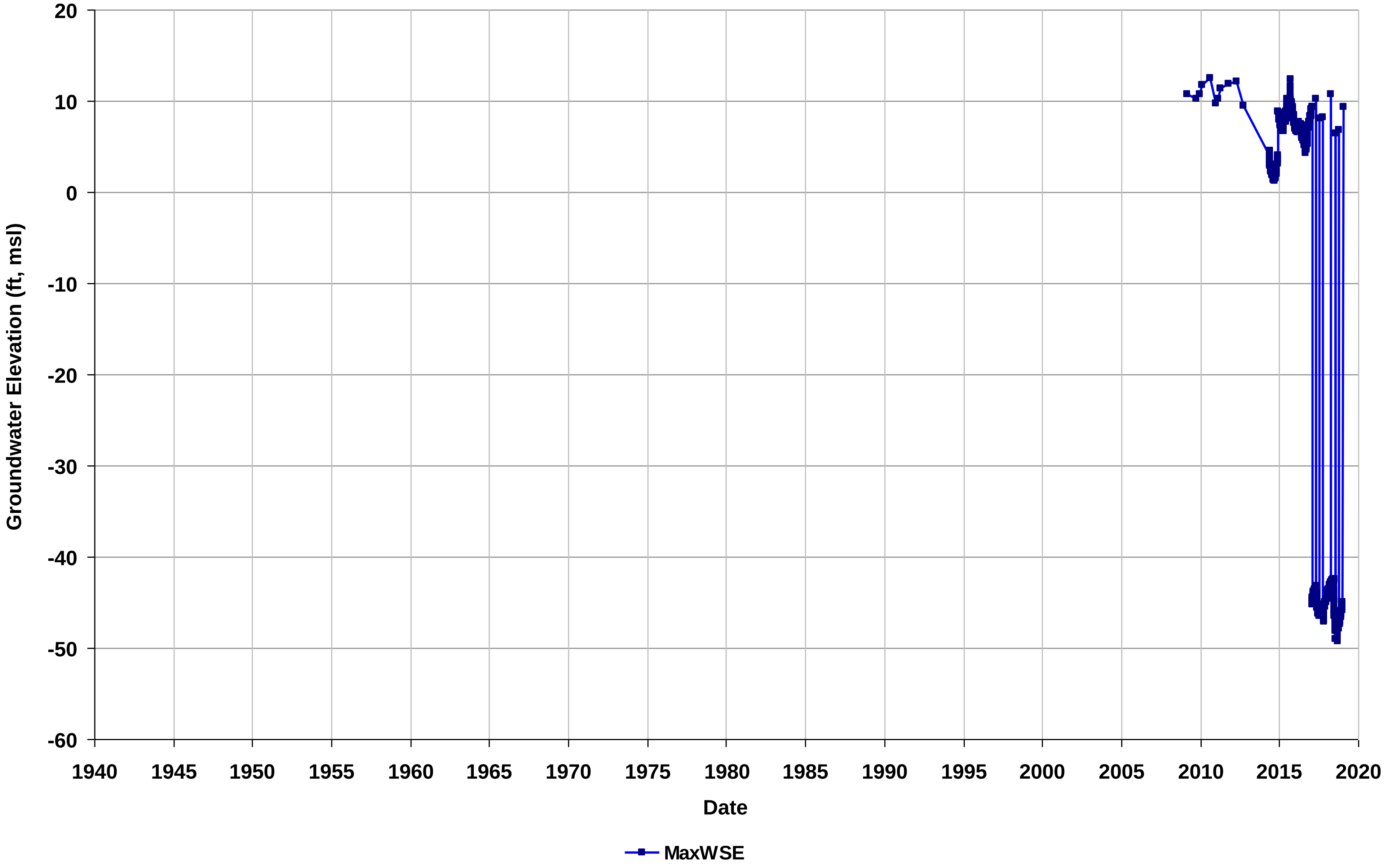
Well Name: EBMUD MW-5S
Depth Zone: Intermediate
Subbasin: East Bay Plain
GSE (ft, msl): 13

Total Depth (ft bgs): 460
Perf. Interval (ft bgs): 200-210
T/R/S: 03S/03W/13
Well Use: Observation



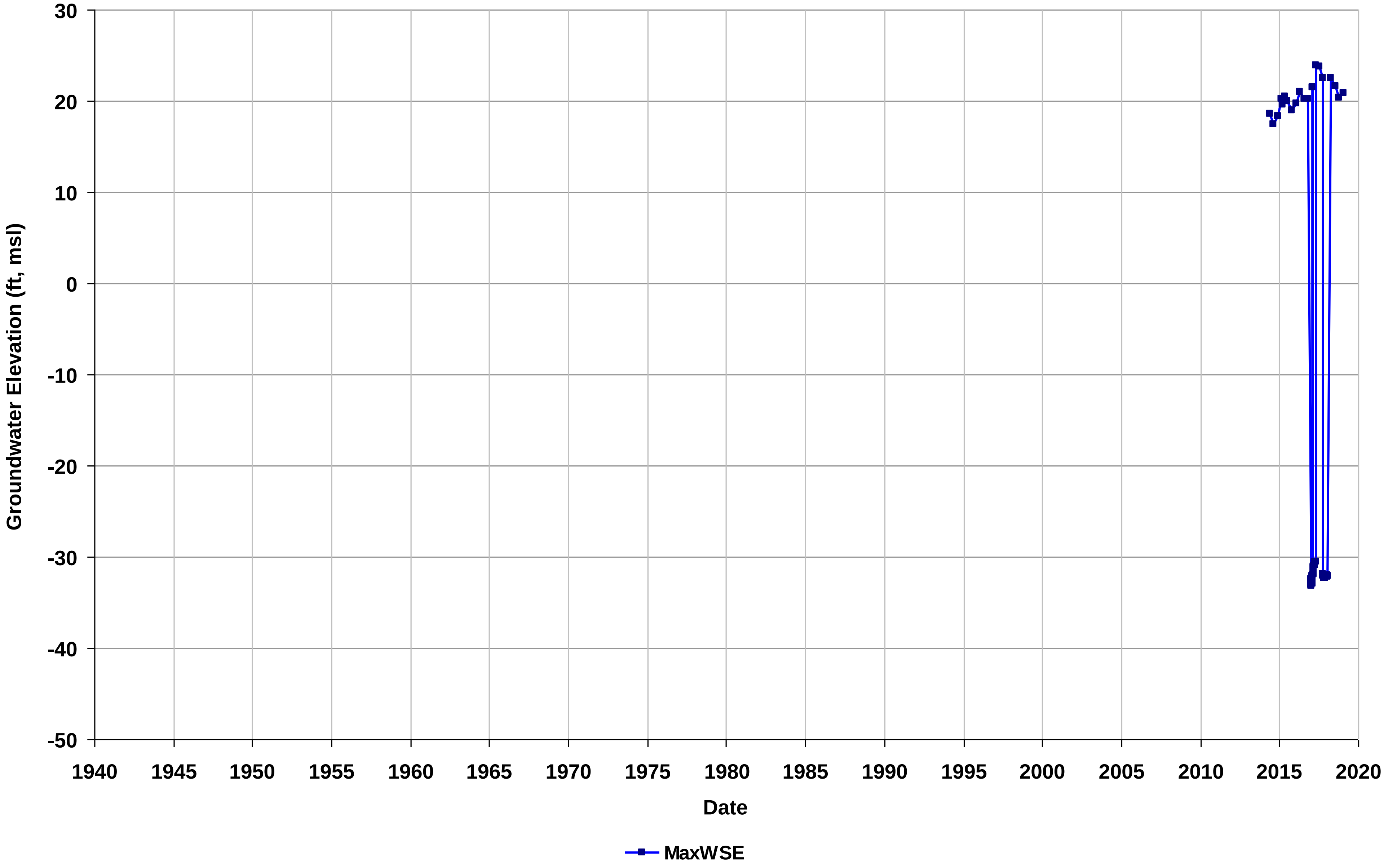
Well Name: EBMUD MW-9D
Depth Zone: Intermediate
Subbasin: East Bay Plain
GSE (ft, msl): 54

Total Depth (ft bgs): 460
Perf. Interval (ft bgs): 325-335
T/R/S: 03S/02W/08
Well Use: Observation



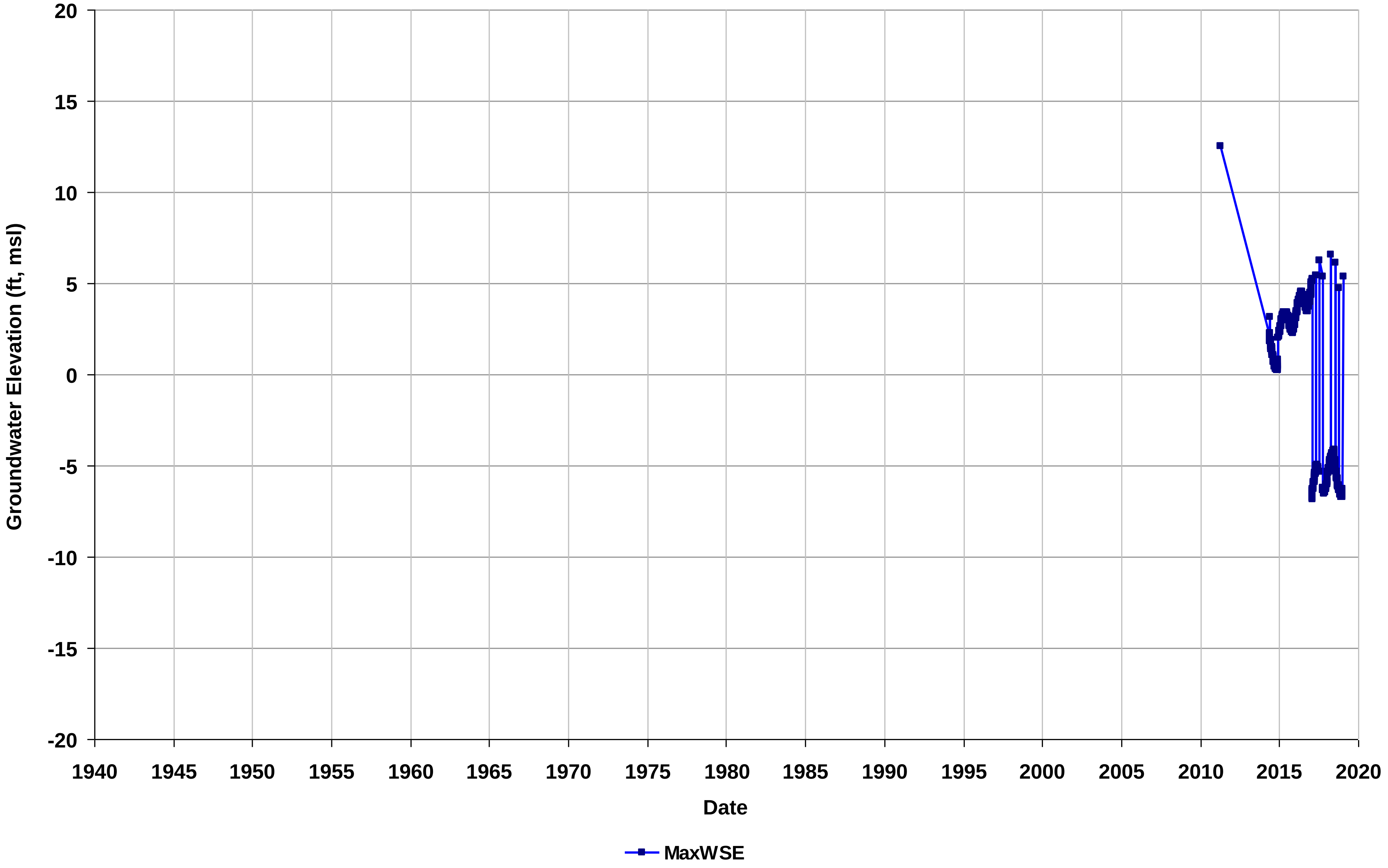
Well Name: EBMUD MW-9I
Depth Zone: Intermediate
Subbasin: East Bay Plain
GSE (ft, msl): 54

Total Depth (ft bgs): 460
Perf. Interval (ft bgs): 200-210
T/R/S: 03S/02W/08
Well Use: Observation



Well Name: EBMUD MW-10I
Depth Zone: Intermediate
Subbasin: East Bay Plain
GSE (ft, msl): 11

Total Depth (ft bgs): 680
Perf. Interval (ft bgs): 340-360
T/R/S: 03S/03W/11
Well Use: Observation



Section E-4

Deep Aquifer Zone Groundwater Hydrographs

LSCE TEAM

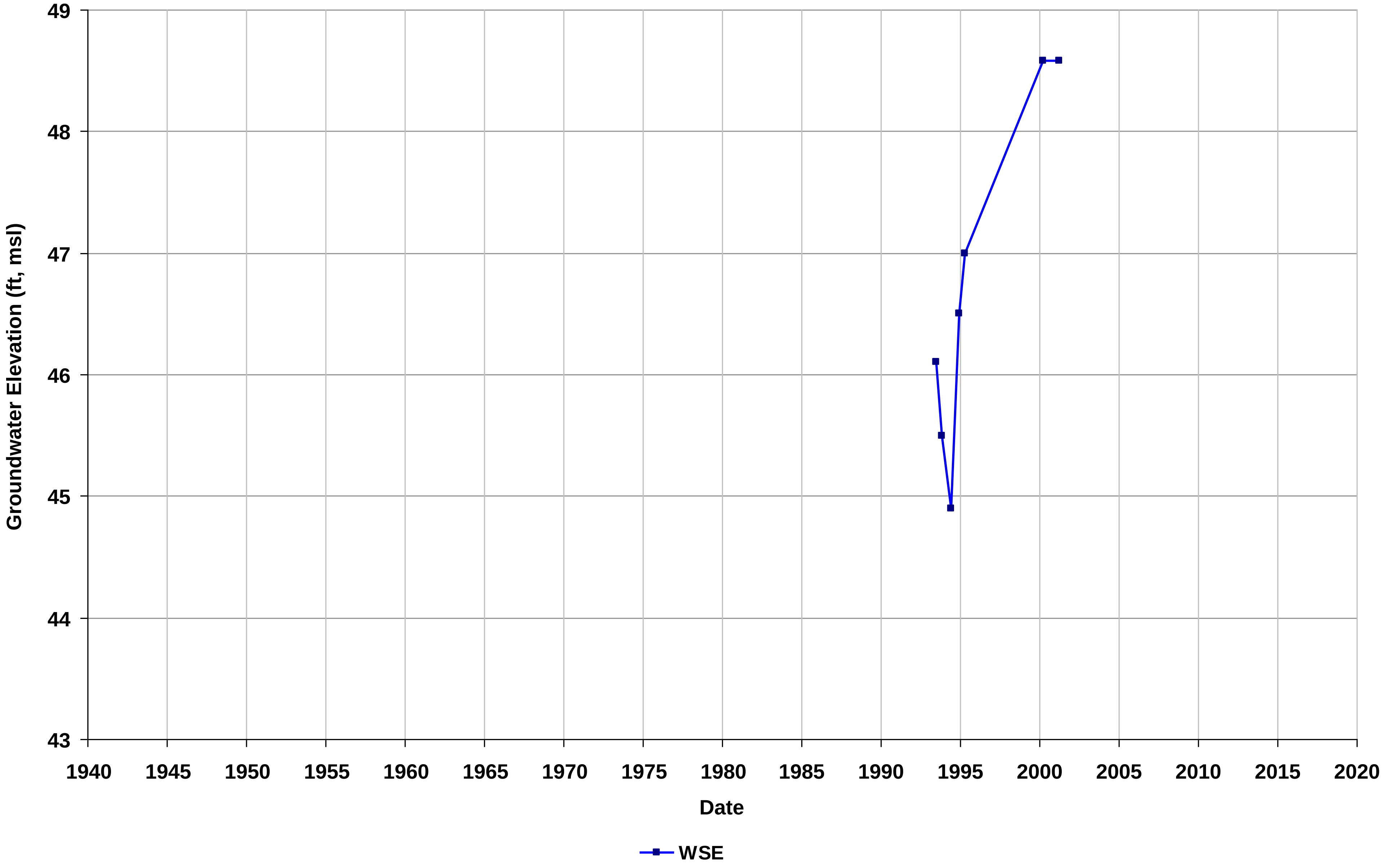
Wells with Hydrographs - Deep Aquifer

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure E-4

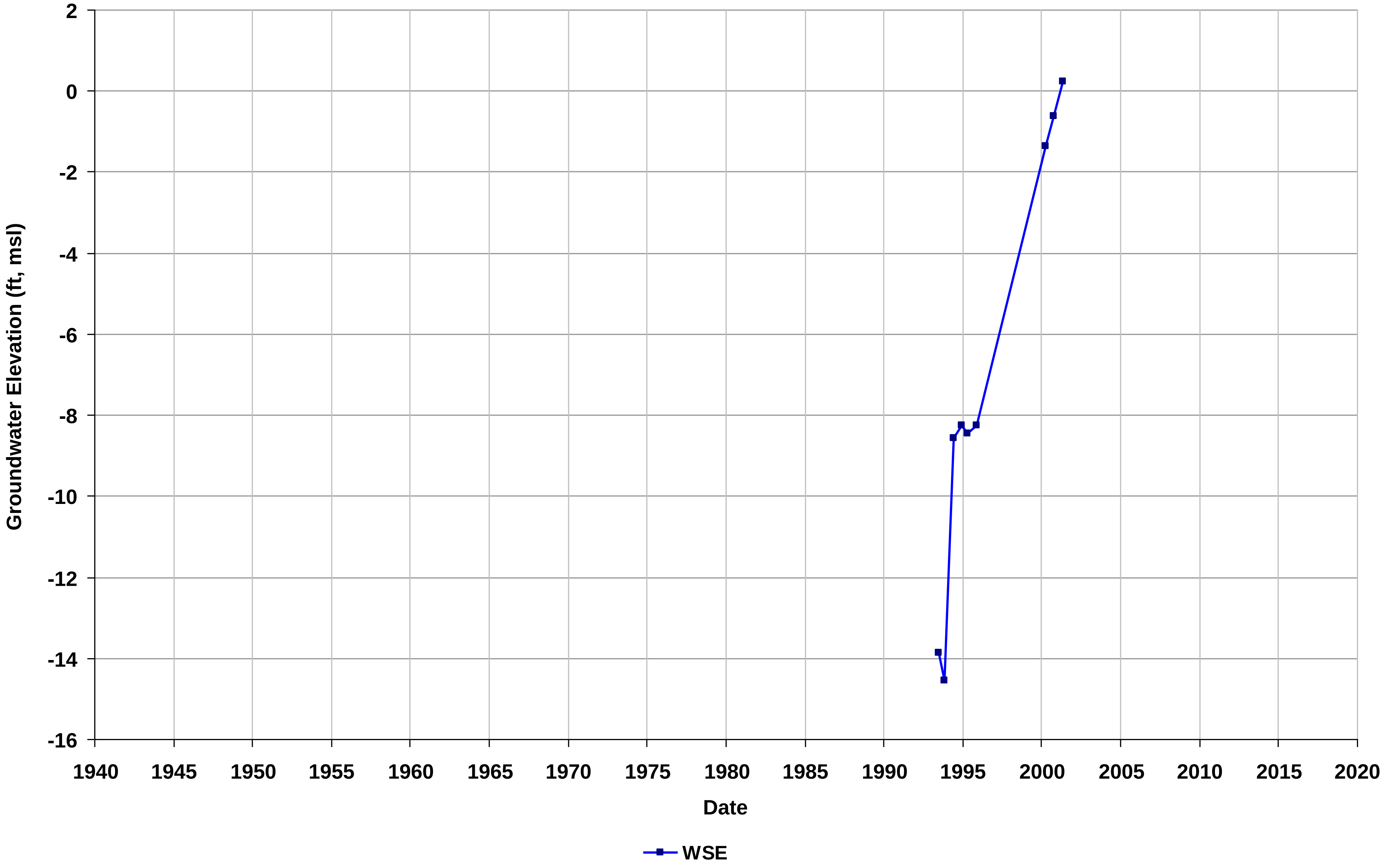
Well Name: 01S/04W-23E01
Depth Zone: Deep
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 575
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Industrial



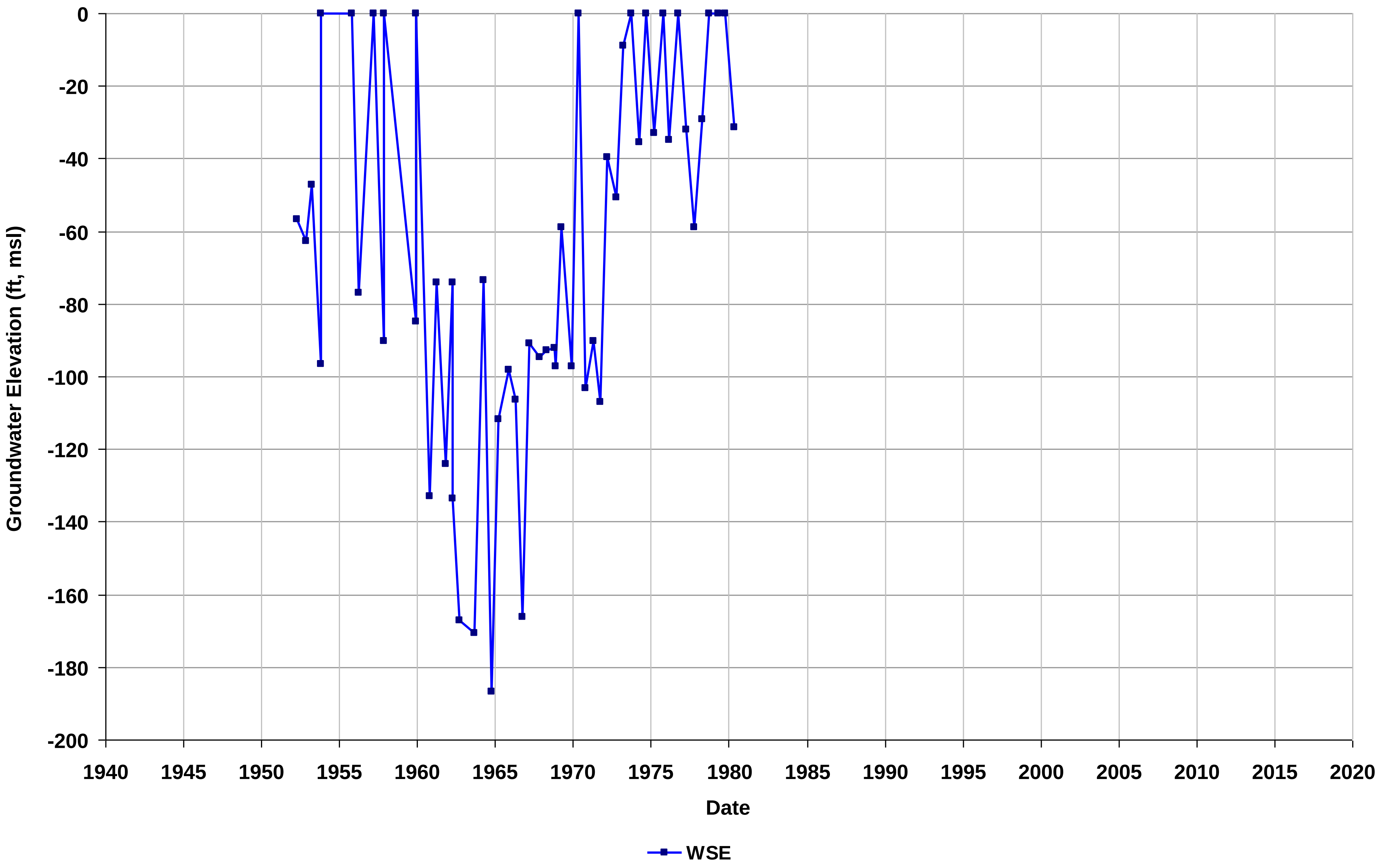
Well Name: 02S/03W-19Q01
Depth Zone: Deep
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 518
Perf. Interval (ft bgs):
T/R/S: 02S/03W/30
Well Use: Irrigation



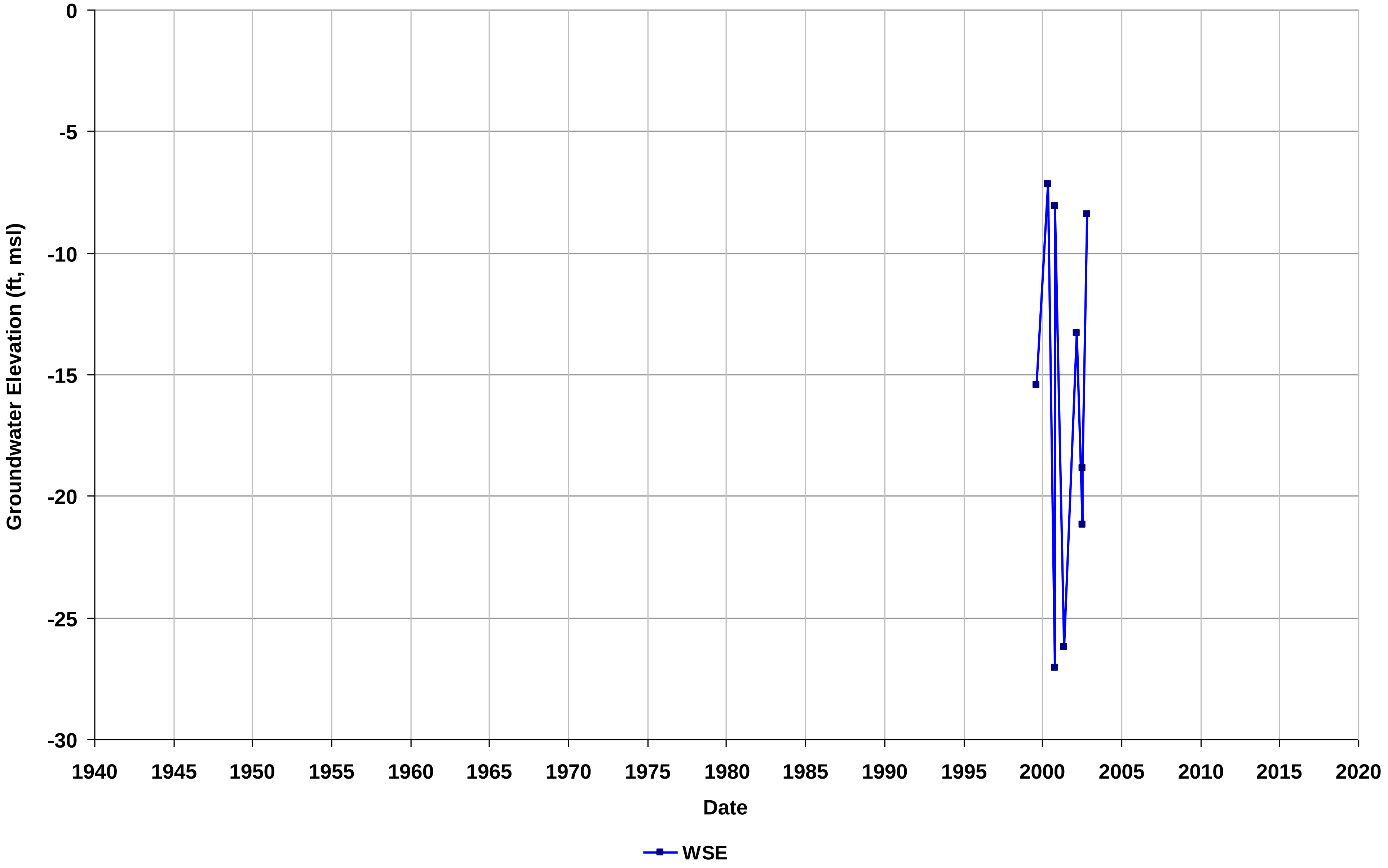
Well Name: 03S/02W-17Q02
Depth Zone: Deep
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 505
Perf. Interval (ft bgs):
T/R/S: 03S/2W/17
Well Use: Unknown



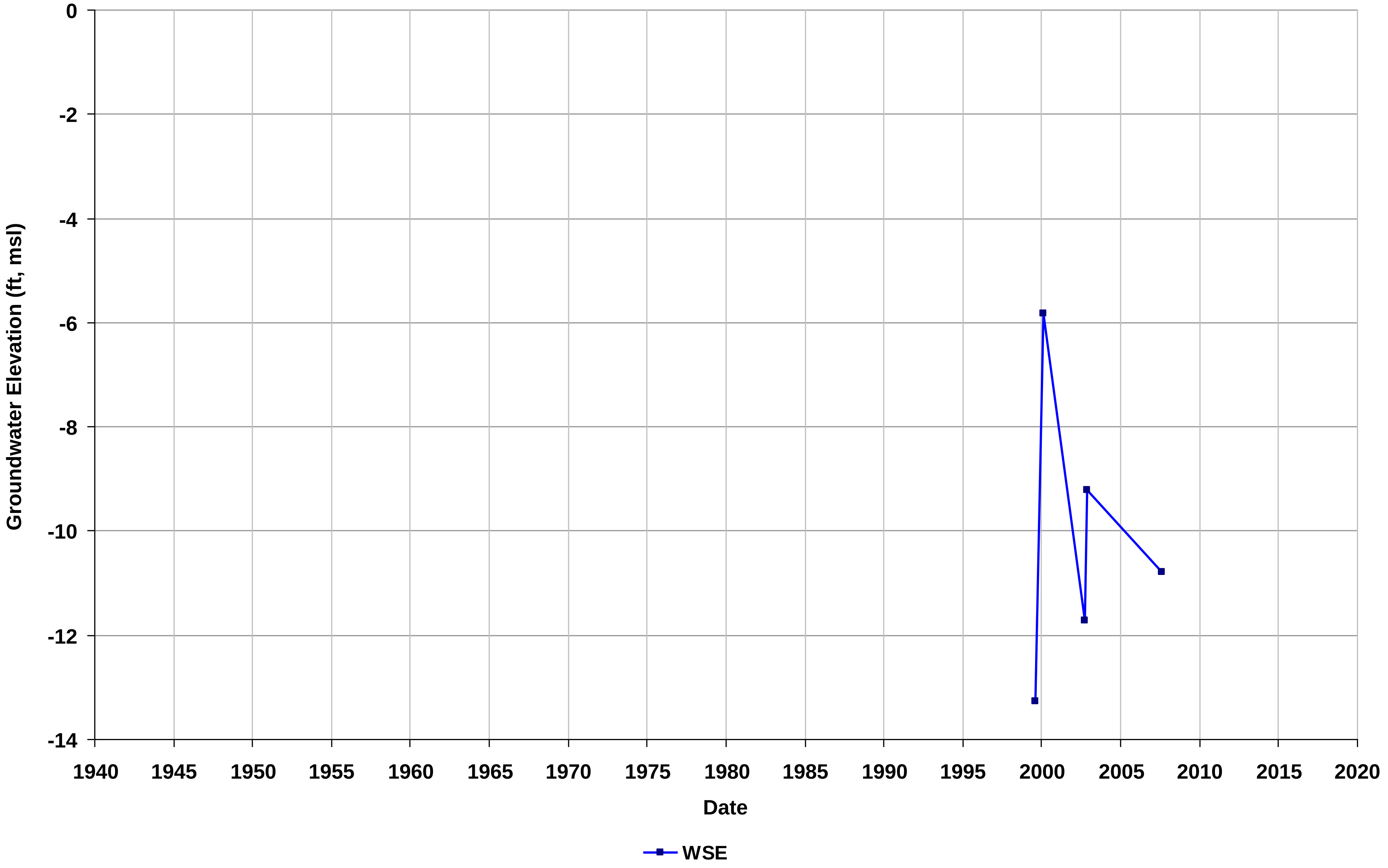
Well Name: 03S/02W-32D02
Depth Zone: Deep
Subbasin: East Bay Plain
GSE (ft, msl): 21

Total Depth (ft bgs): 560
Perf. Interval (ft bgs): 431-550
T/R/S: 03S/02W/32
Well Use: Irrigation



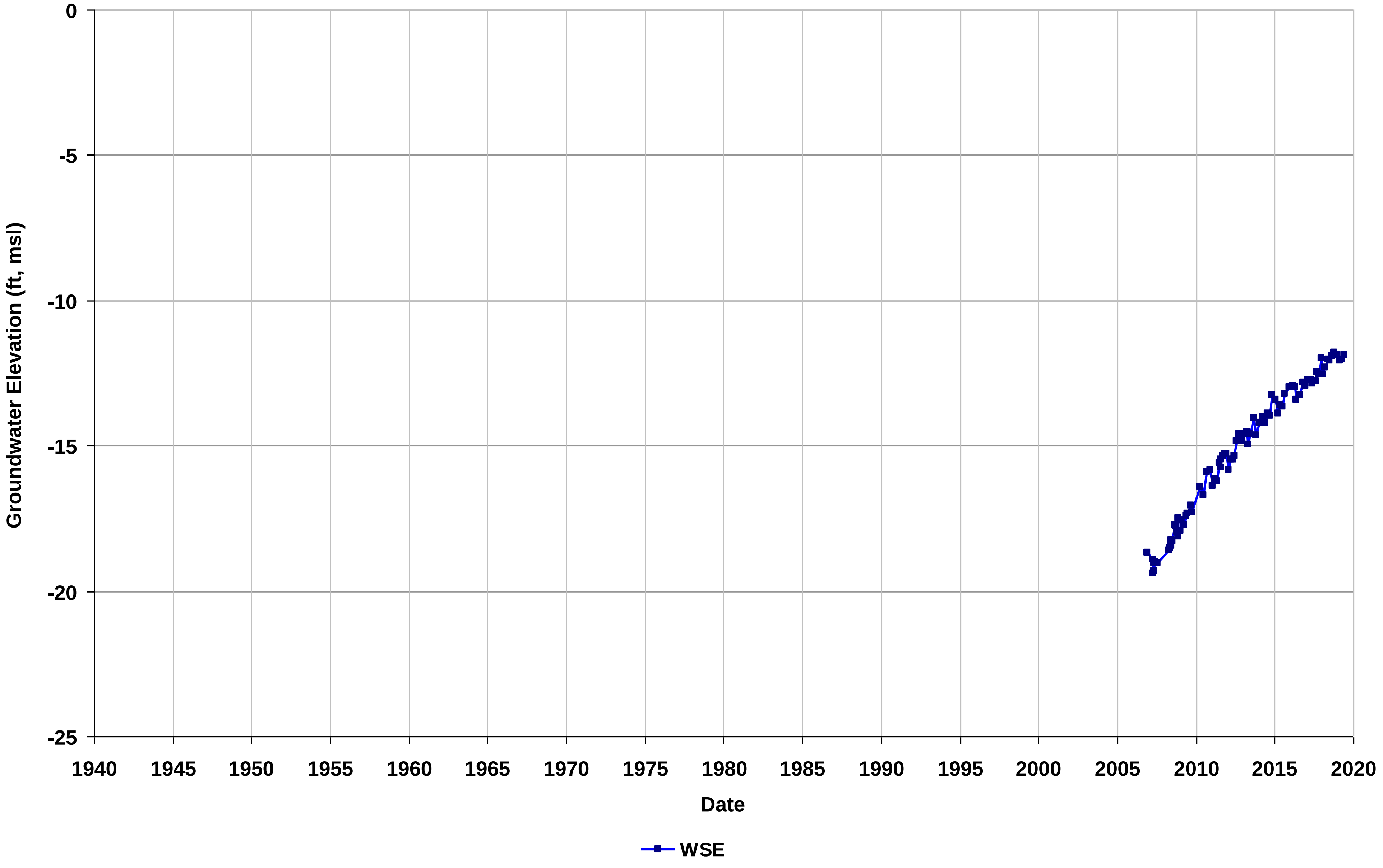
Well Name: 03S/03W-14K07
Depth Zone: Deep
Subbasin: East Bay Plain
GSE (ft, msl): 7

Total Depth (ft bgs): 660
Perf. Interval (ft bgs):
T/R/S: 03S/03W/14
Well Use: Unknown



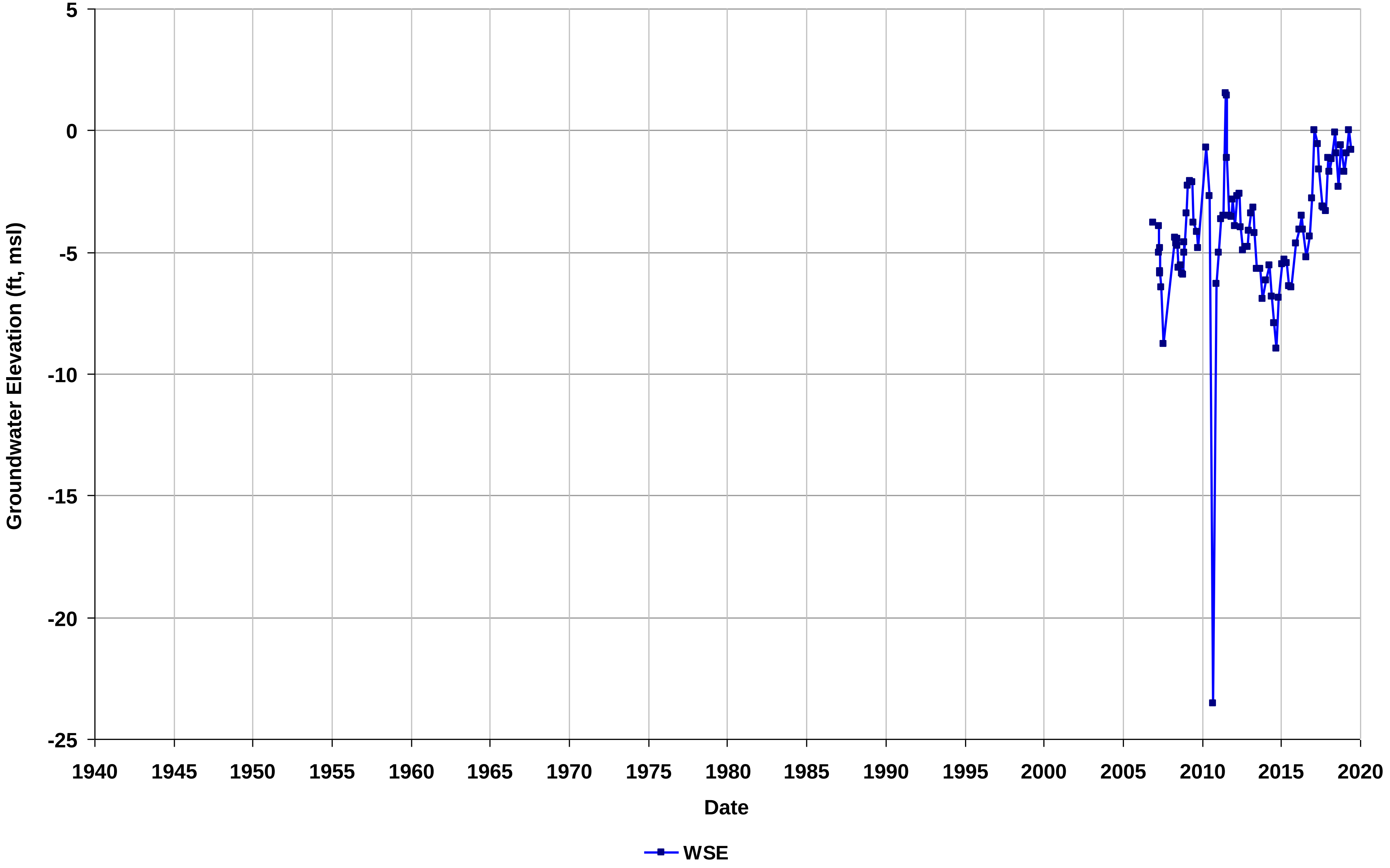
Well Name: 03S/03W-14K18
Depth Zone: Deep
Subbasin: East Bay Plain
GSE (ft, msl): 7

Total Depth (ft bgs): 860
Perf. Interval (ft bgs):
T/R/S: 03S/03W/14
Well Use: Unknown



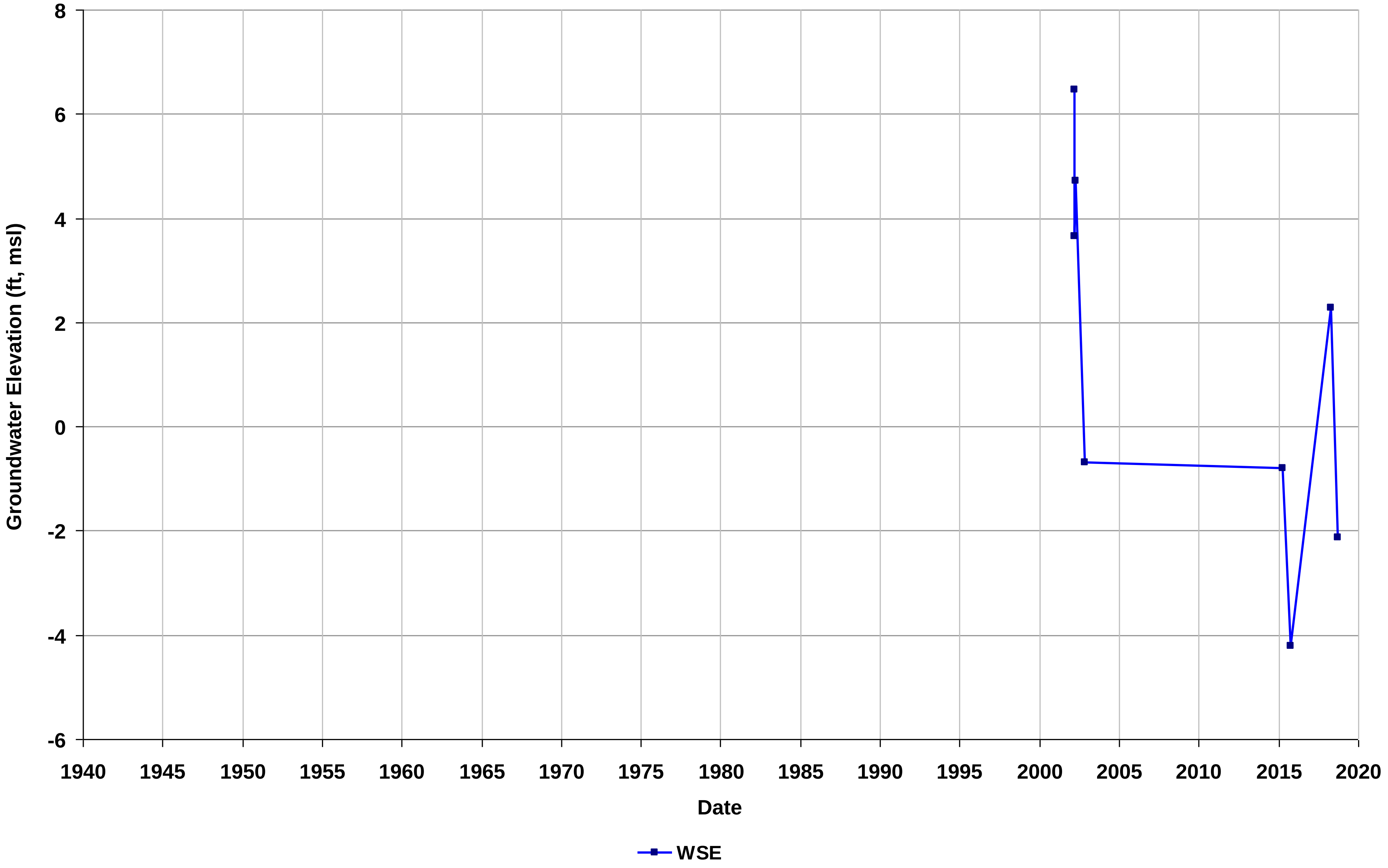
Well Name: 03S/03W-14K19
Depth Zone: Deep
Subbasin: East Bay Plain
GSE (ft, msl): 7

Total Depth (ft bgs): 640
Perf. Interval (ft bgs):
T/R/S: 03S/03W/14
Well Use: Unknown



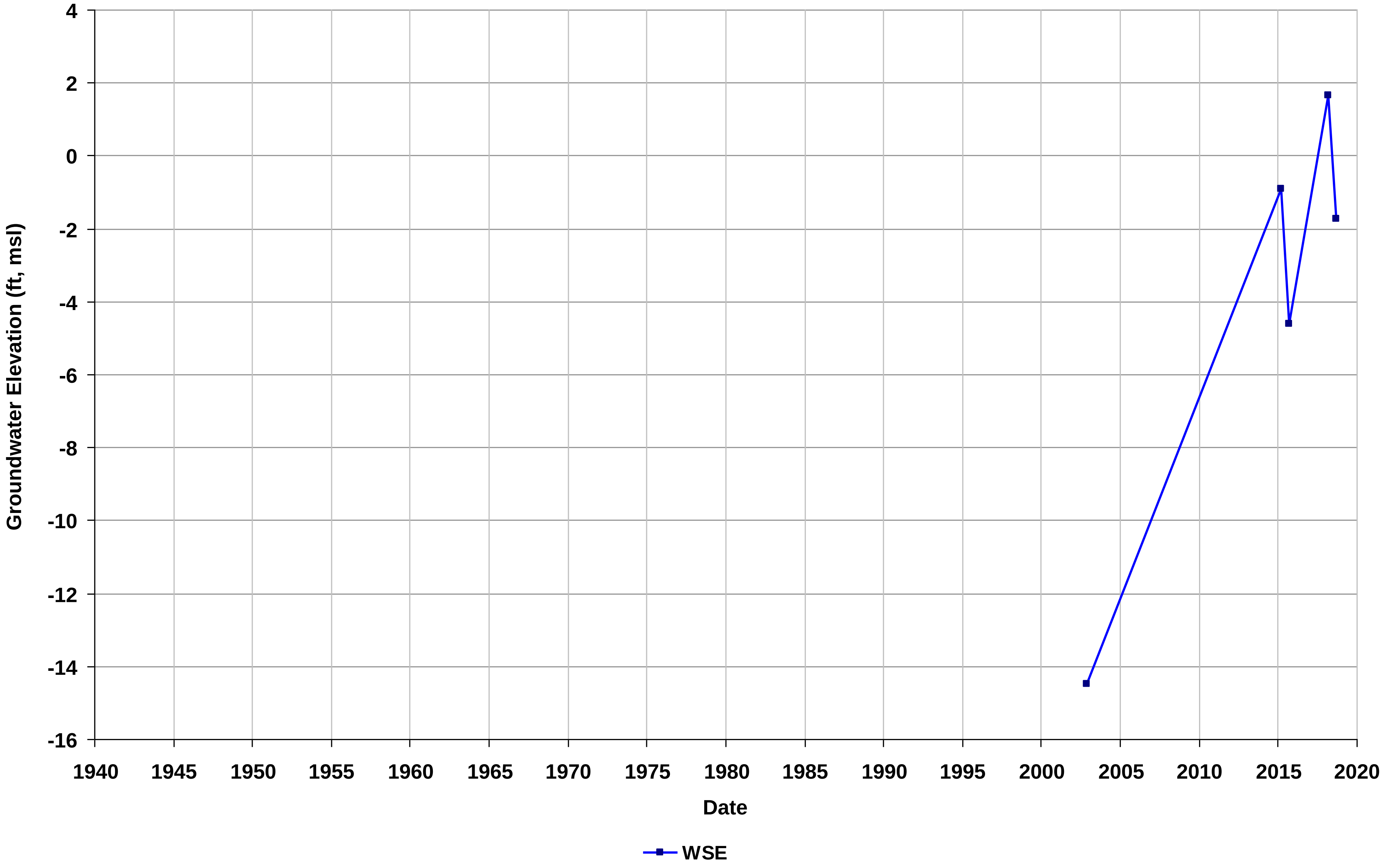
Well Name: 04S/01W-17M06
Depth Zone: Deep
Subbasin: Niles Cone
GSE (ft, msl): 49

Total Depth (ft bgs): 460
Perf. Interval (ft bgs):
T/R/S: 04S/01W/17
Well Use: Unknown



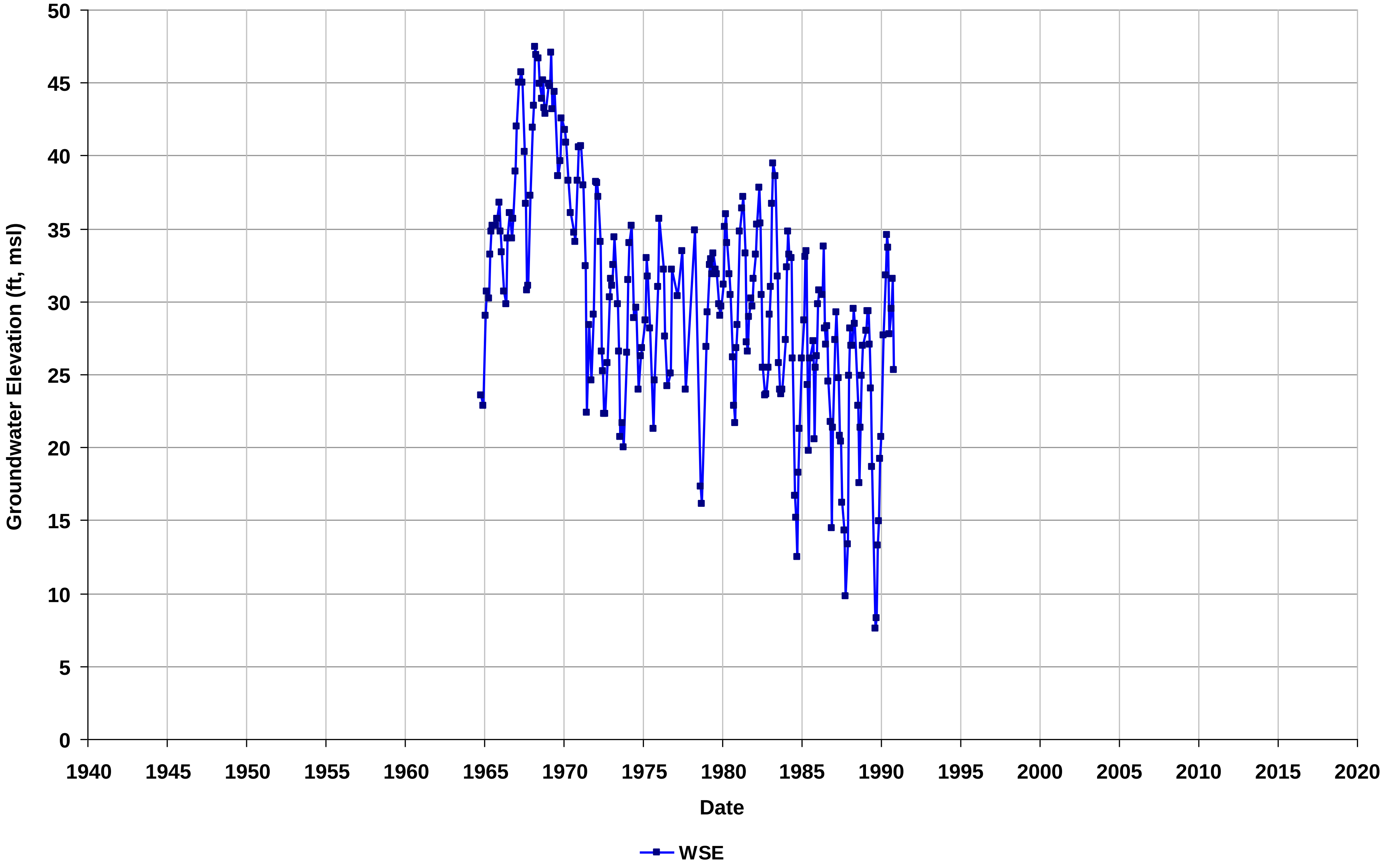
Well Name: 04S/01W-19N02
Depth Zone: Deep
Subbasin: Niles Cone
GSE (ft, msl): 40

Total Depth (ft bgs): 410
Perf. Interval (ft bgs):
T/R/S: 04S/01W/30
Well Use: Unknown



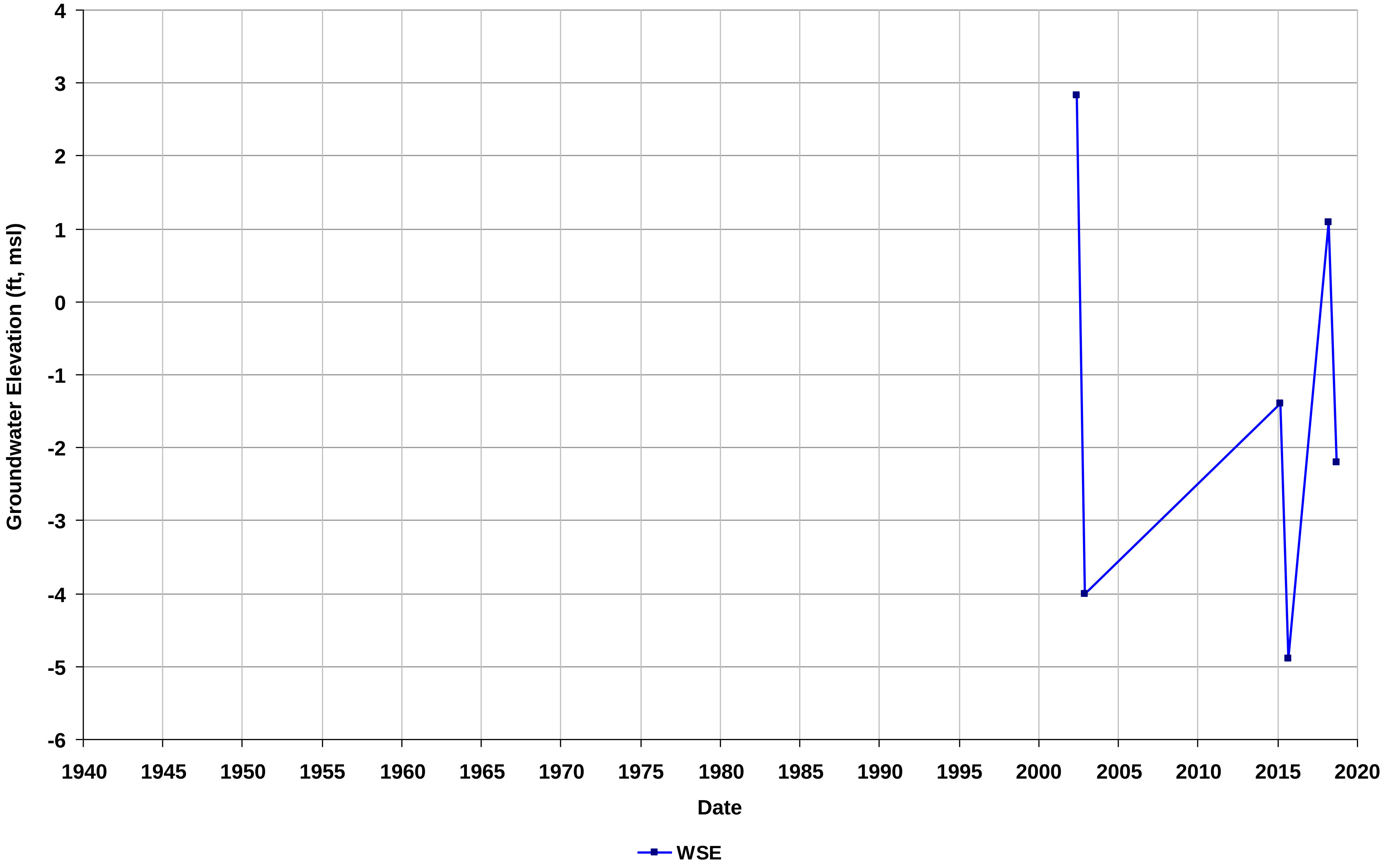
Well Name: 04S/01W-21R02
Depth Zone: Deep
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/21
Well Use:



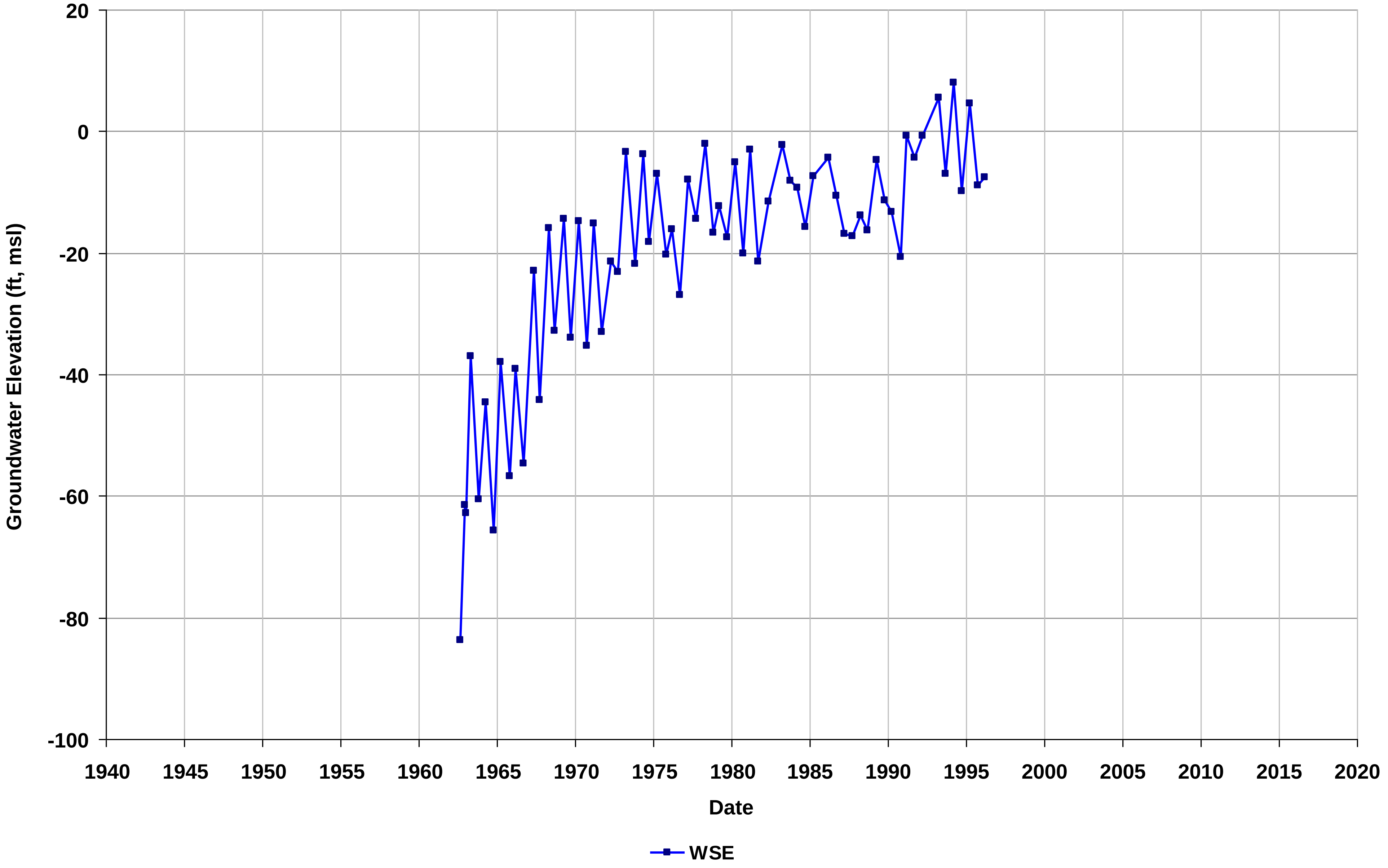
Well Name: 04S/01W-28D01
Depth Zone: Deep
Subbasin: Niles Cone
GSE (ft, msl): 63

Total Depth (ft bgs): 445
Perf. Interval (ft bgs):
T/R/S: 04S/01W/28
Well Use: Unknown



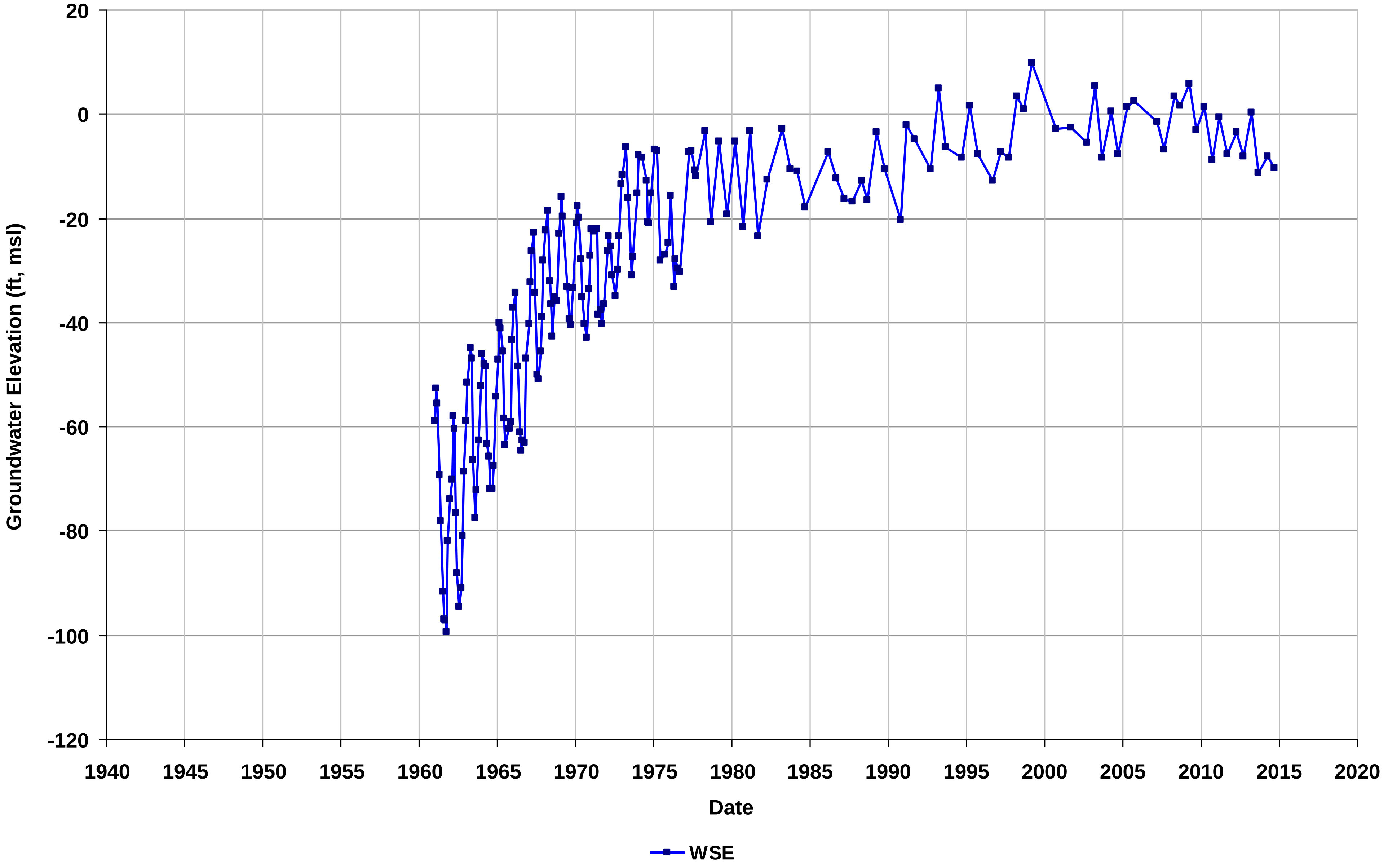
Well Name: 04S/01W-28D04
Depth Zone: Deep
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/28
Well Use:



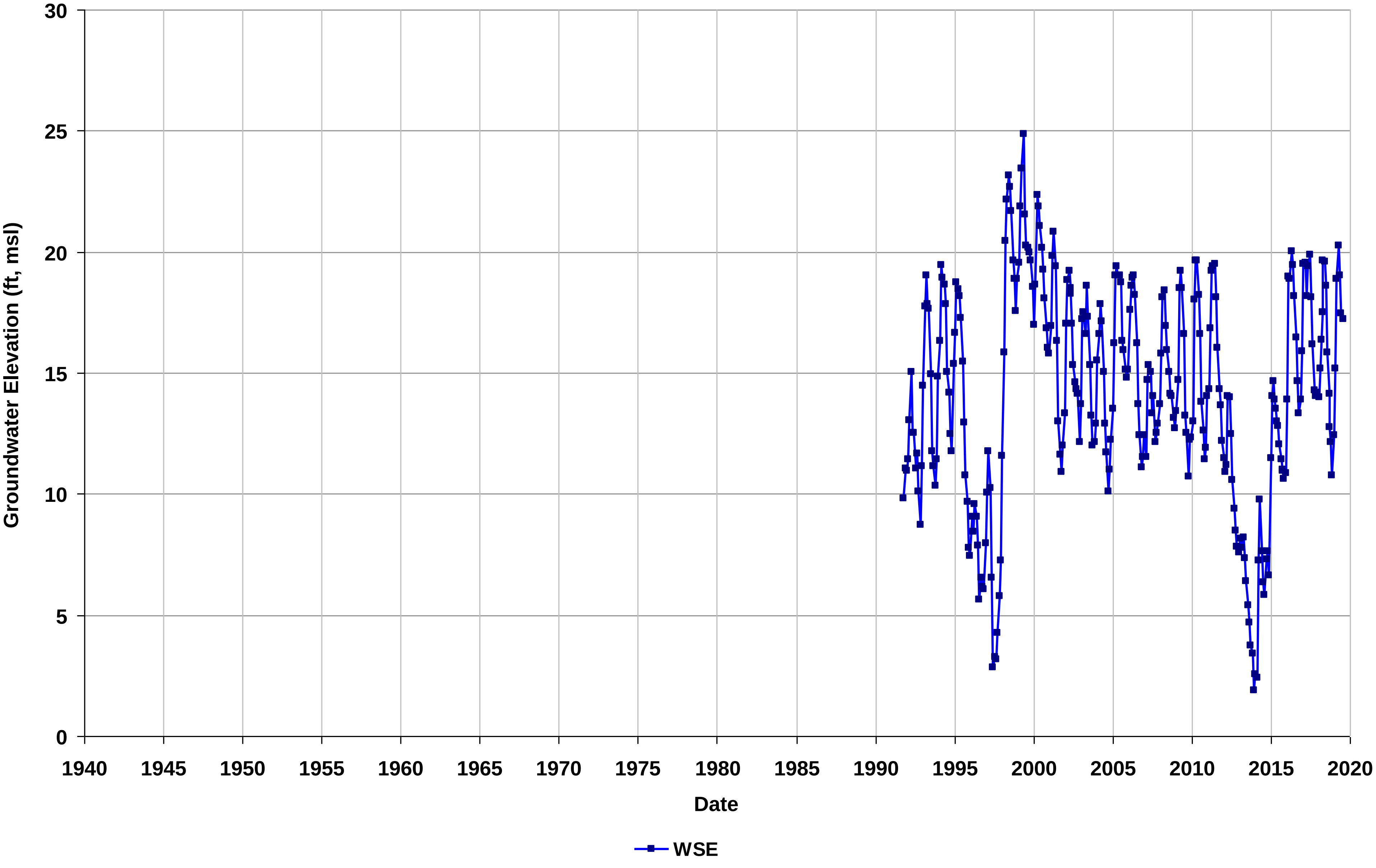
Well Name: 04S/01W-28F05
Depth Zone: Deep
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/28
Well Use:



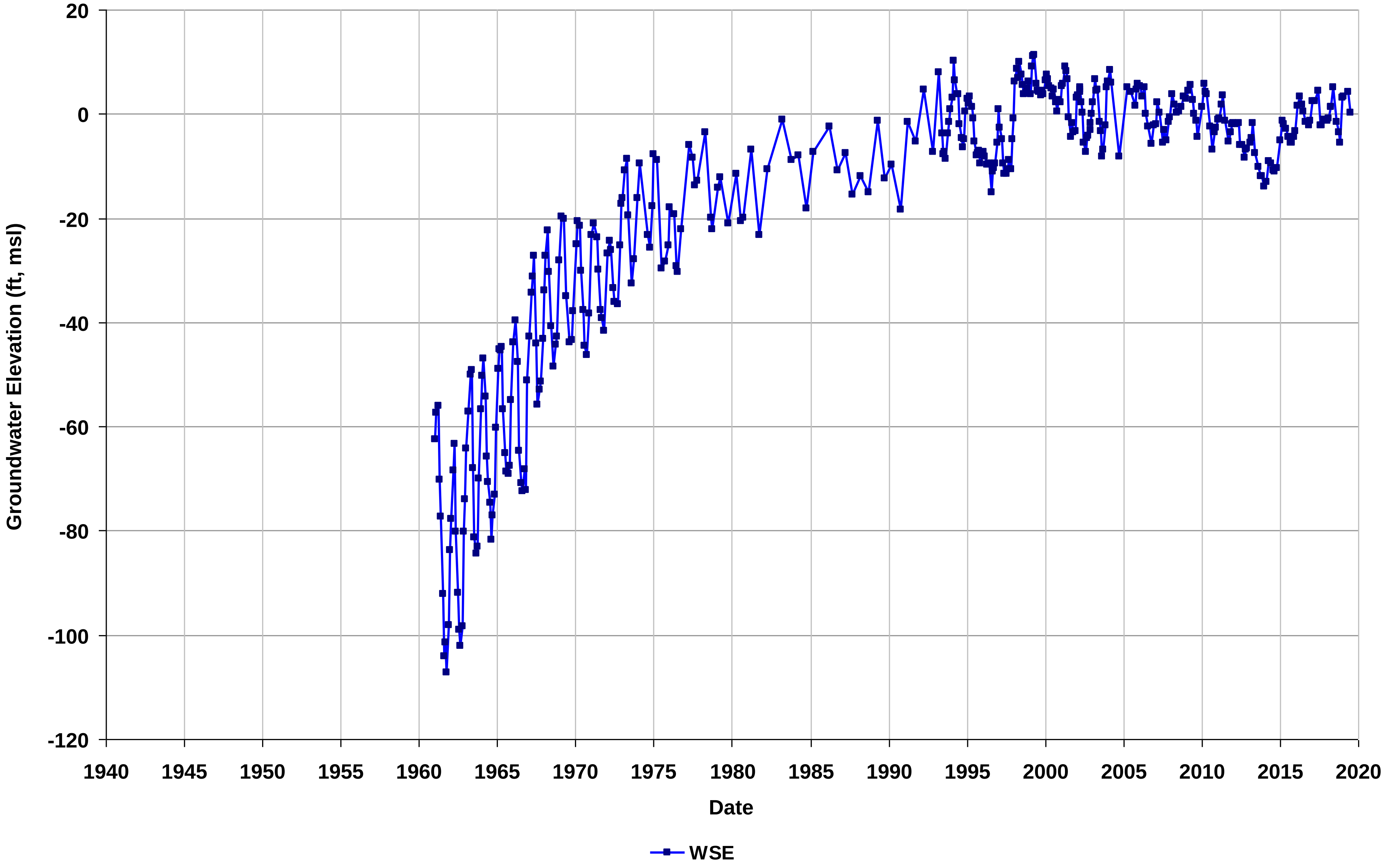
Well Name: 04S/01W-29A06
Depth Zone: Deep
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/29
Well Use:



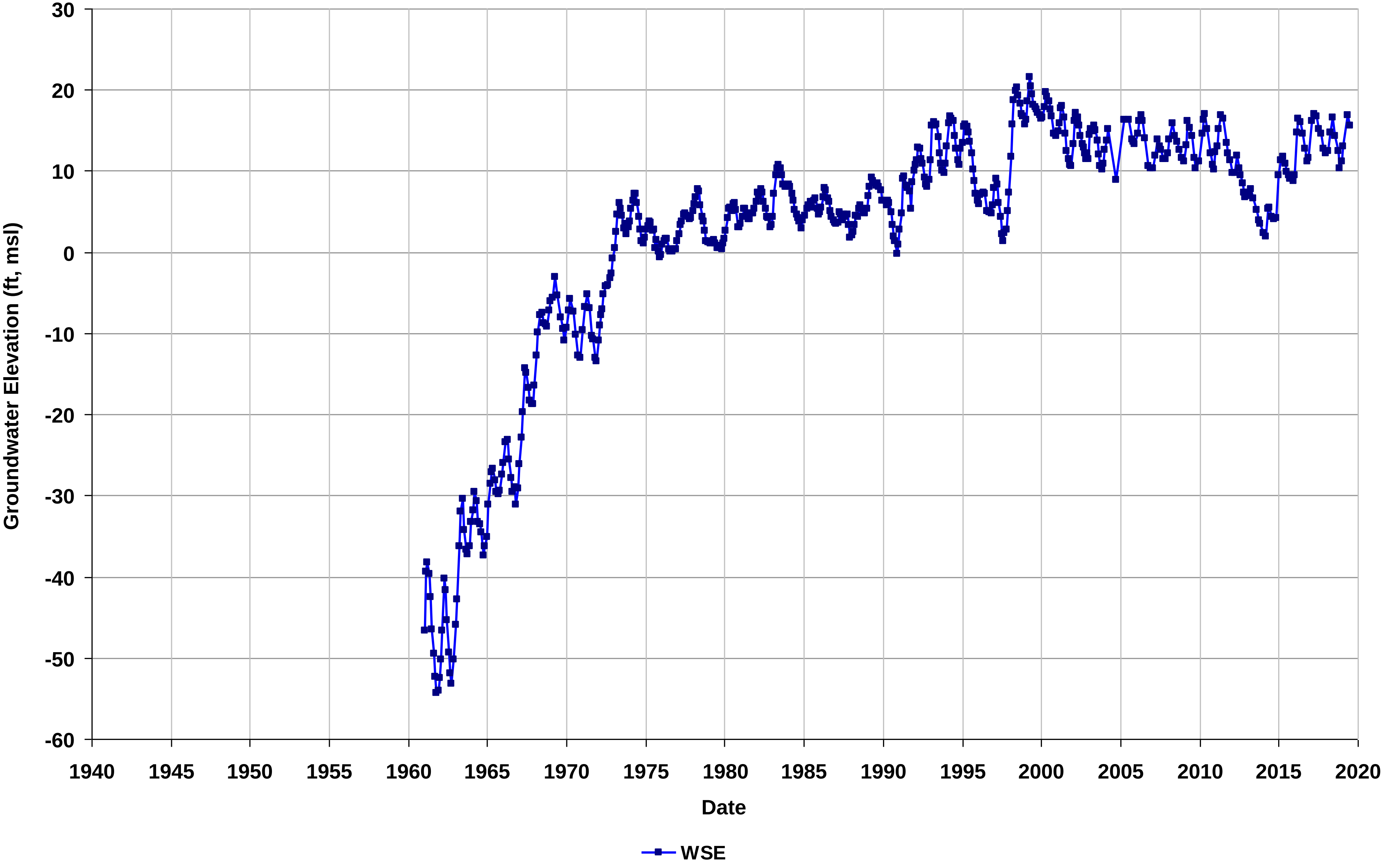
Well Name: 04S/01W-30E03
Depth Zone: Deep
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/30
Well Use:



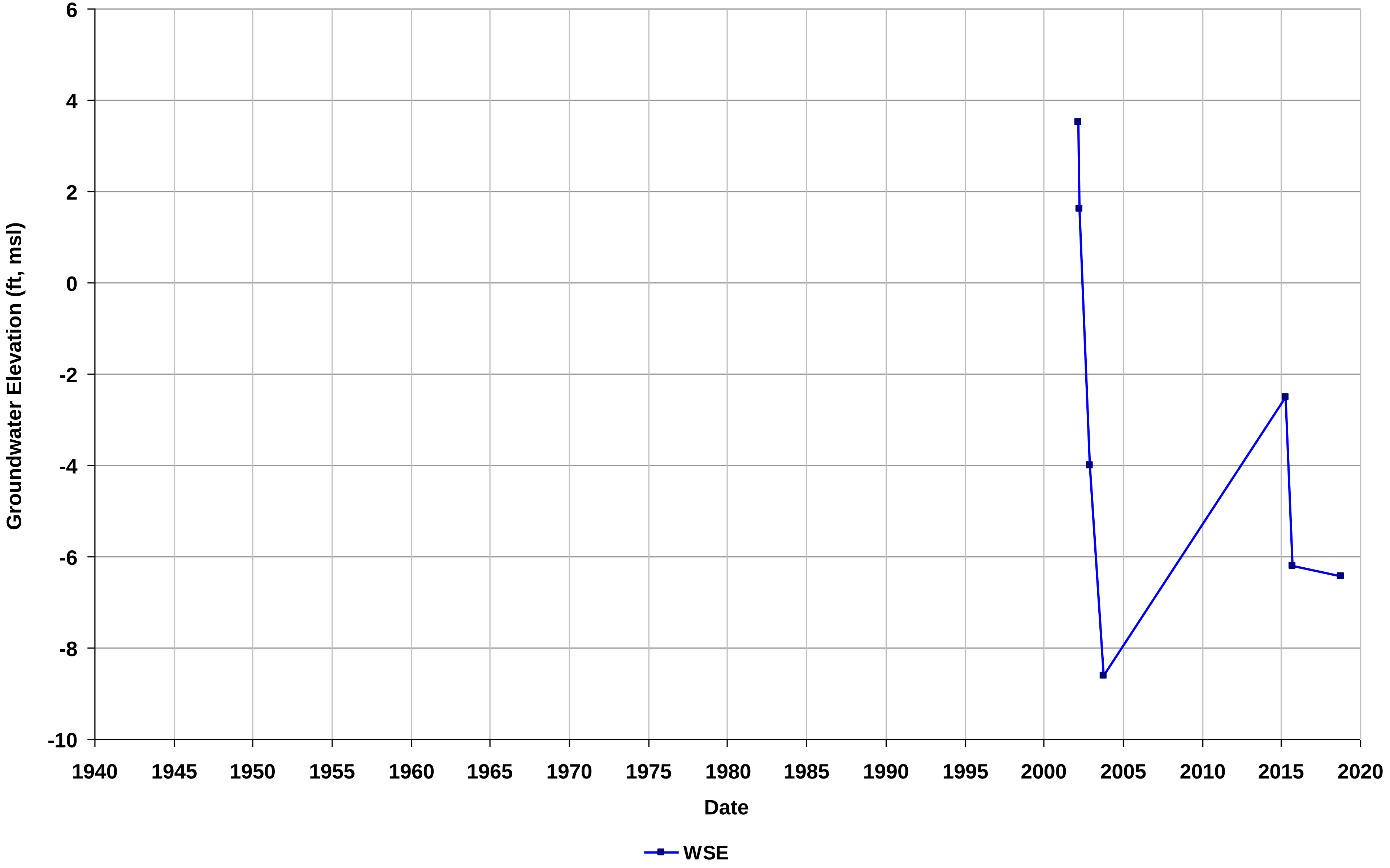
Well Name: 04S/01W-30E04
Depth Zone: Deep
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/30
Well Use:



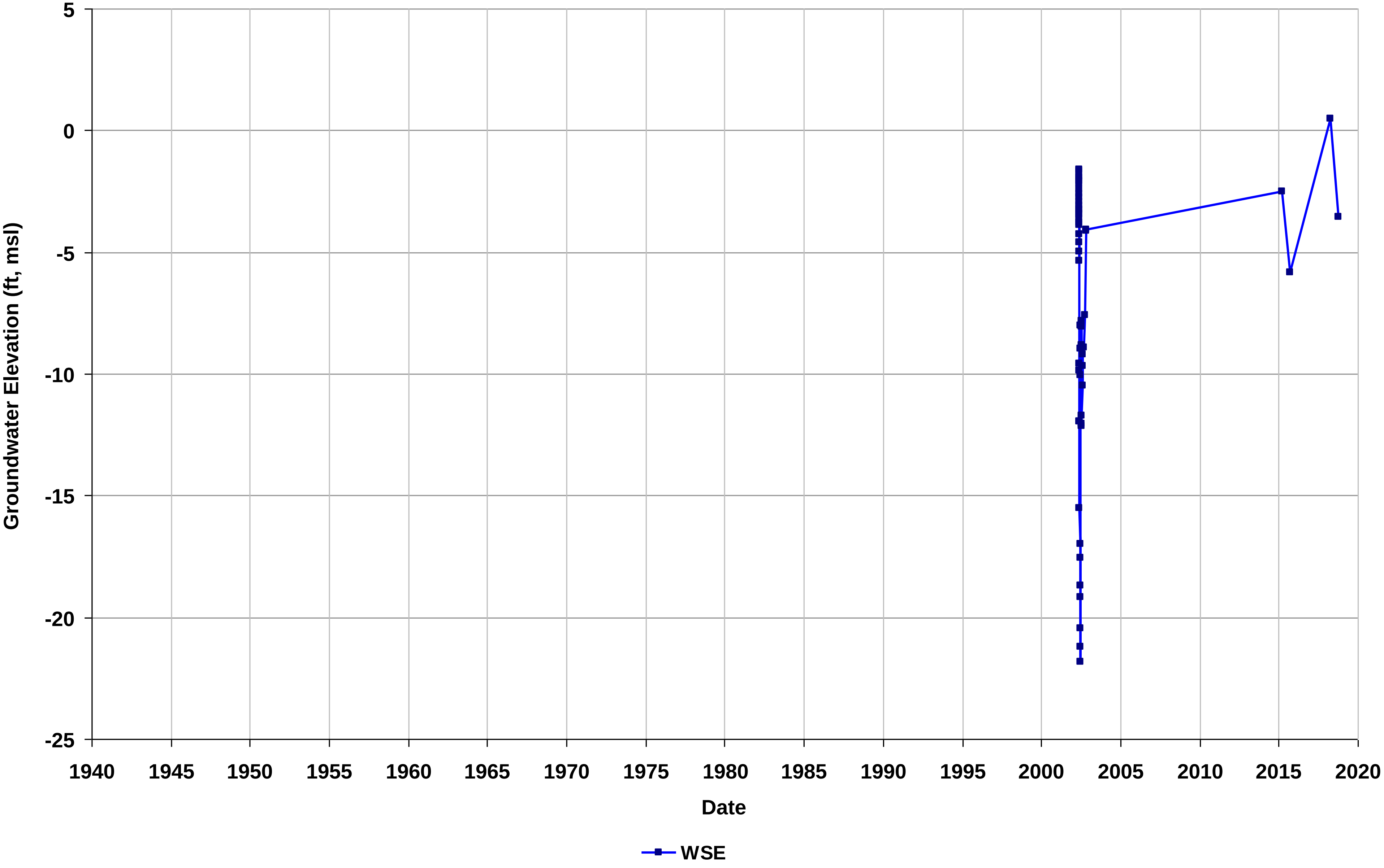
Well Name: 04S/02W-02H01
Depth Zone: Deep
Subbasin: Niles Cone
GSE (ft, msl): 36

Total Depth (ft bgs): 472
Perf. Interval (ft bgs):
T/R/S: 04S/02W/02
Well Use: Unknown



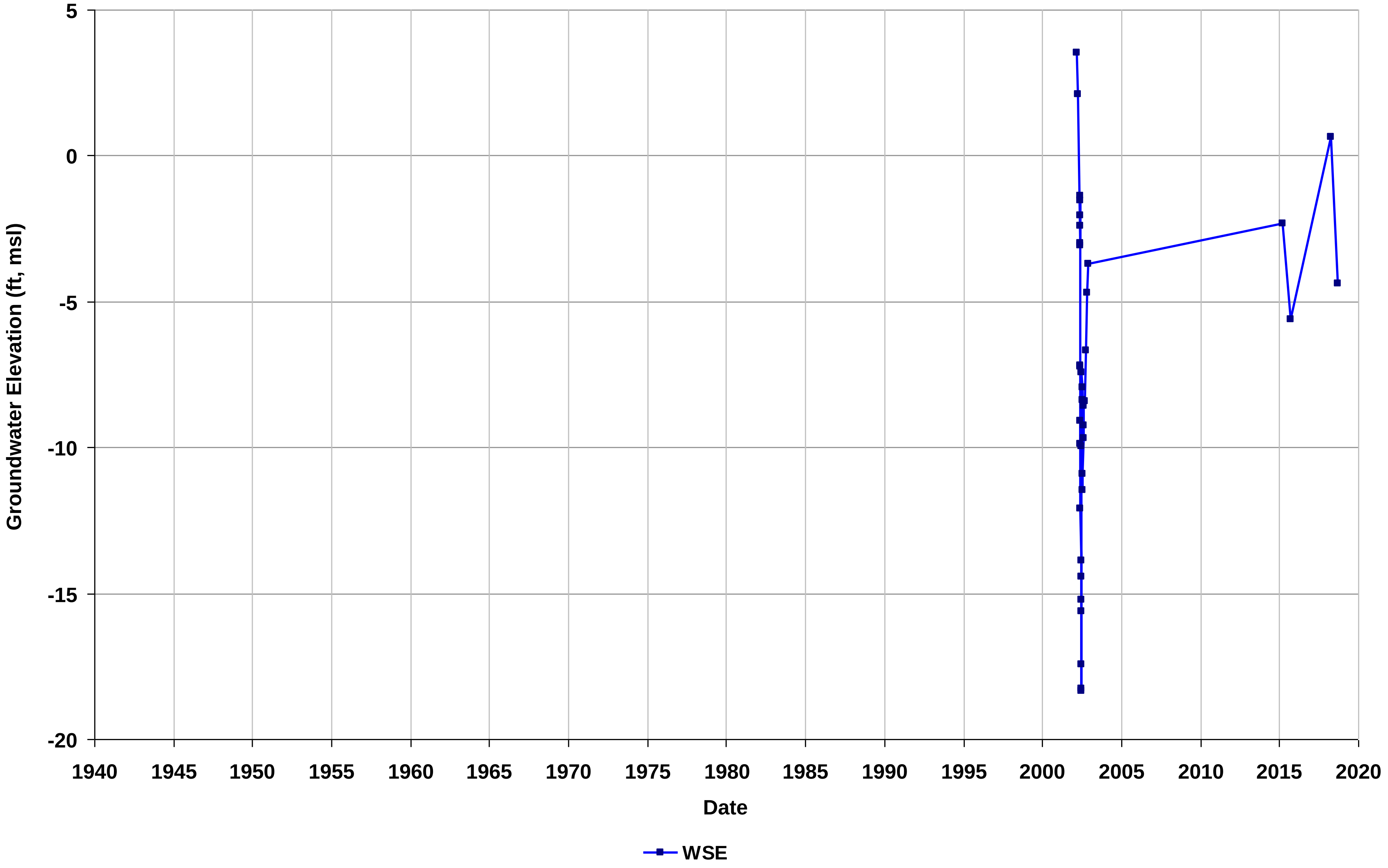
Well Name: 04S/02W-10E04
Depth Zone: Deep
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 400-440
T/R/S: 04S/02W/10
Well Use:



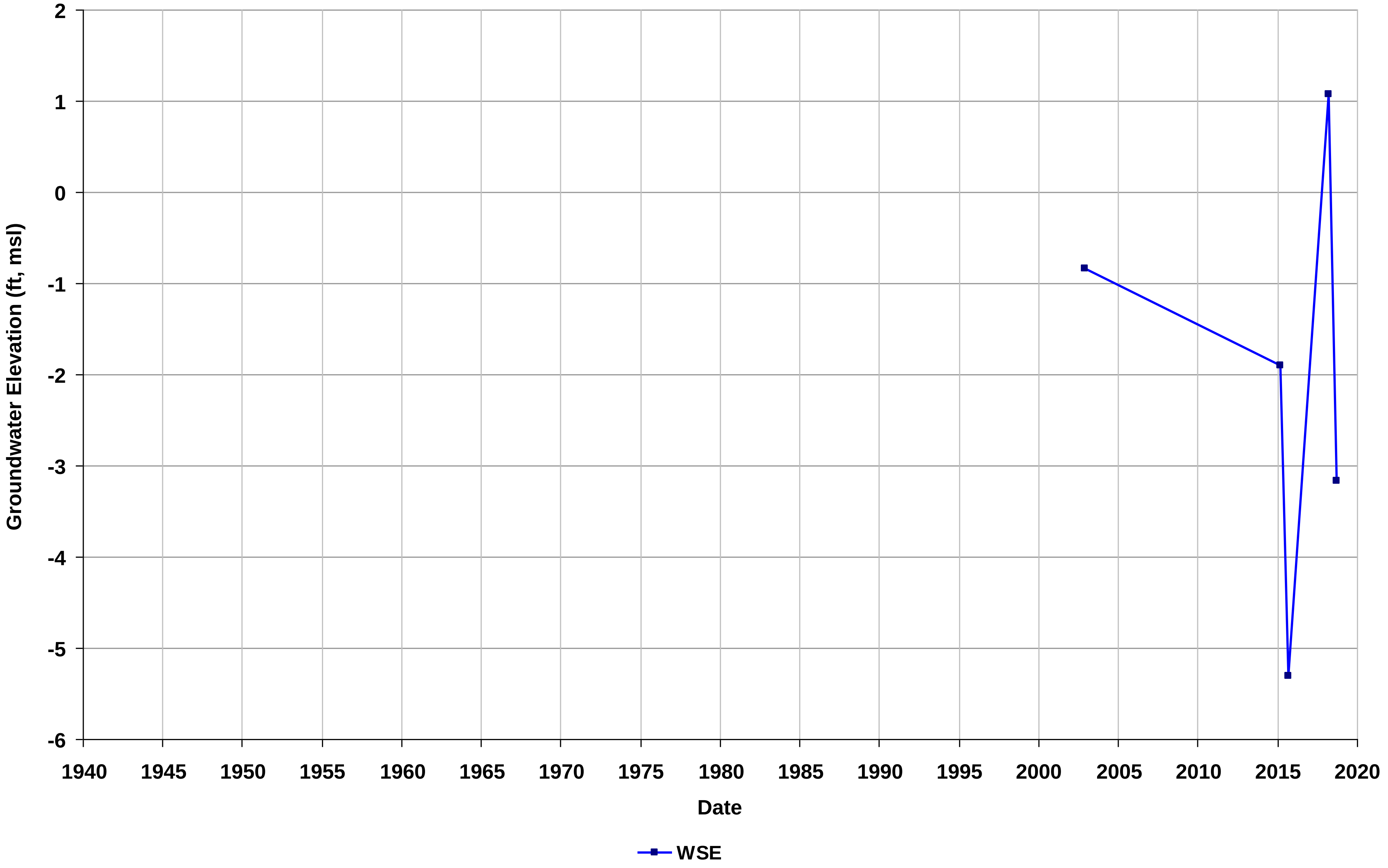
Well Name: 04S/02W-12C01
Depth Zone: Deep
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 410-487
T/R/S: 04S/02W/12
Well Use:



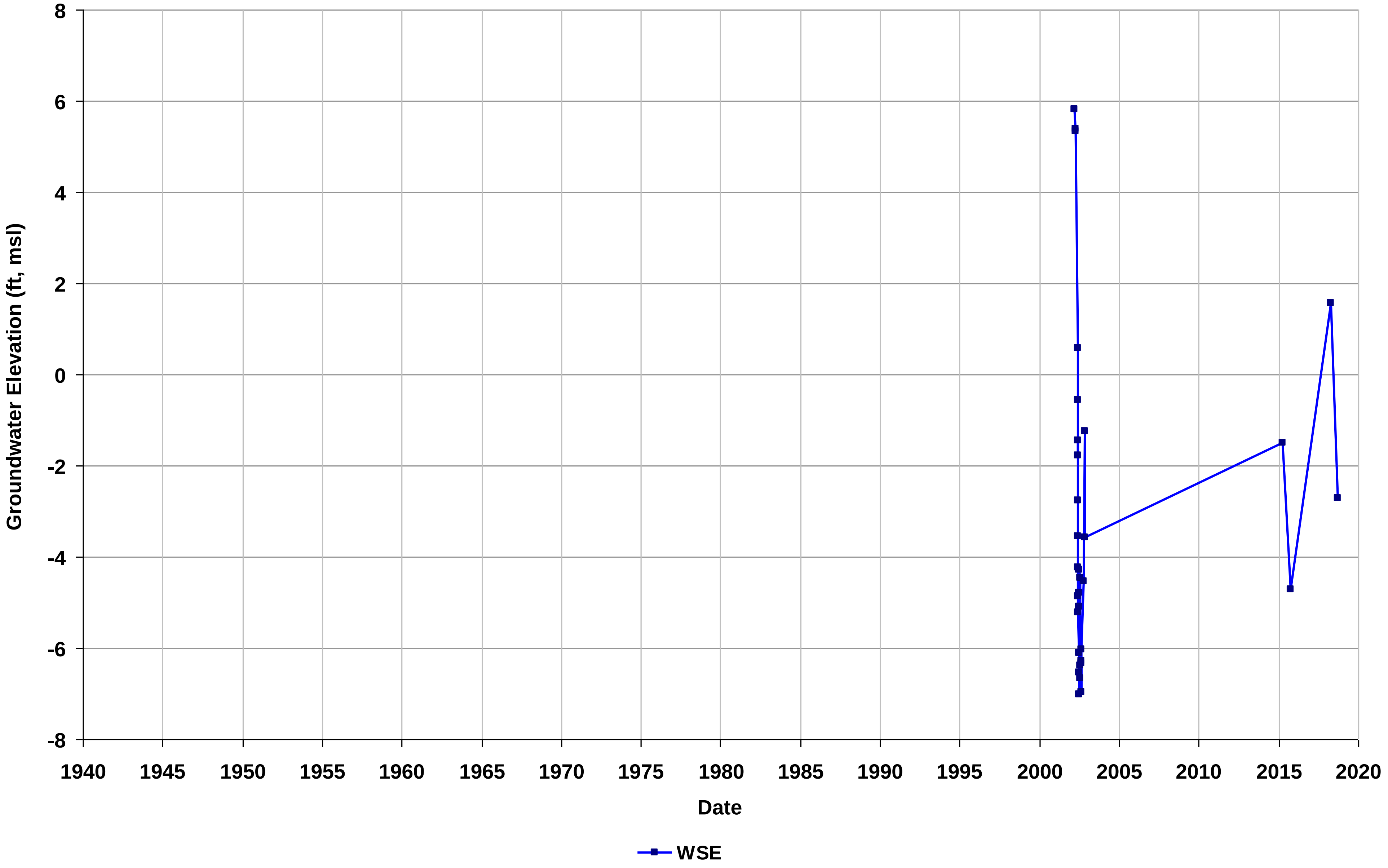
Well Name: 04S/02W-12K08
Depth Zone: Deep
Subbasin: Niles Cone
GSE (ft, msl): 55

Total Depth (ft bgs): 525
Perf. Interval (ft bgs): 470-510
T/R/S: 04S/02W/12
Well Use: Observation



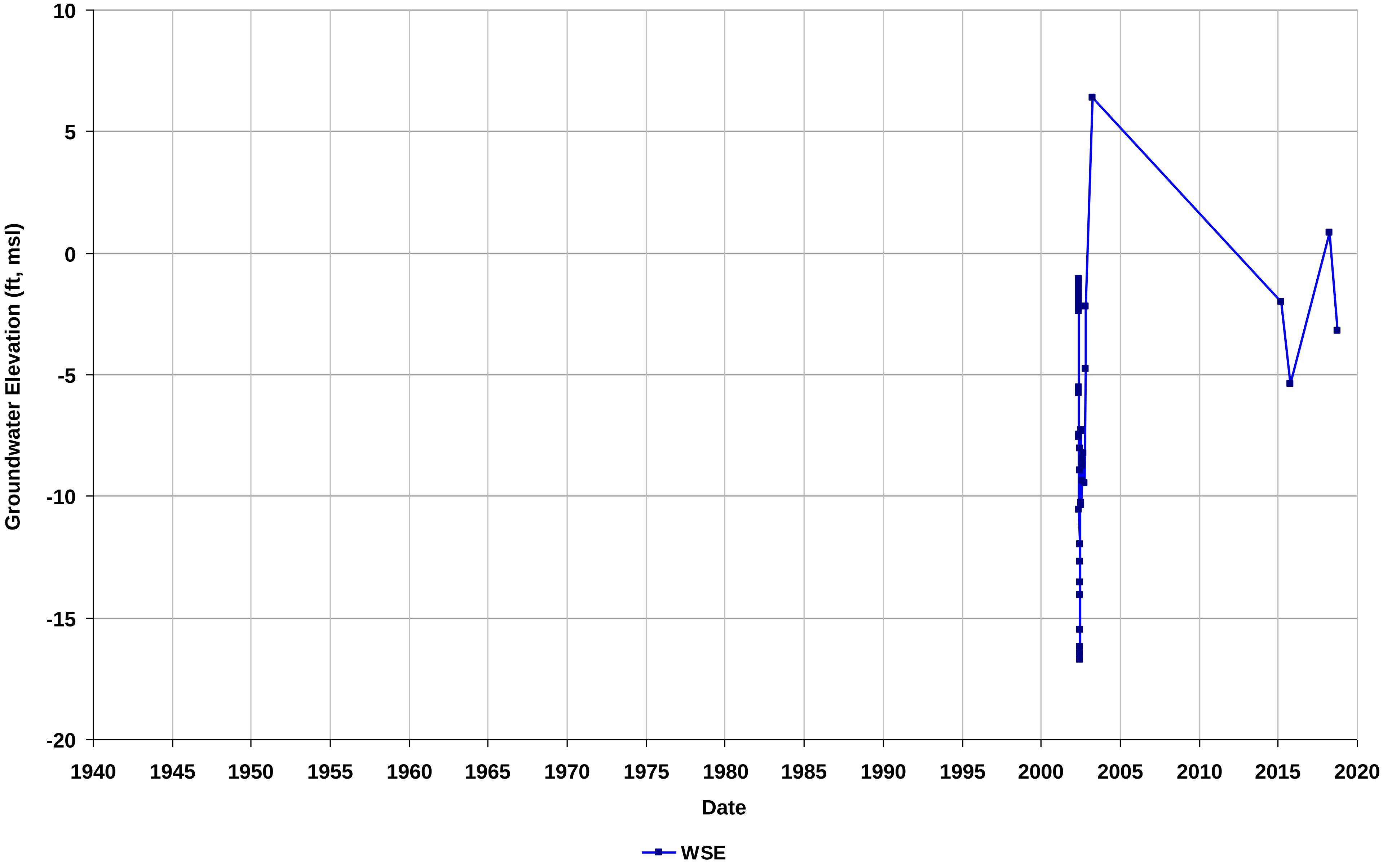
Well Name: 04S/02W-13P05
Depth Zone: Deep
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/13
Well Use:



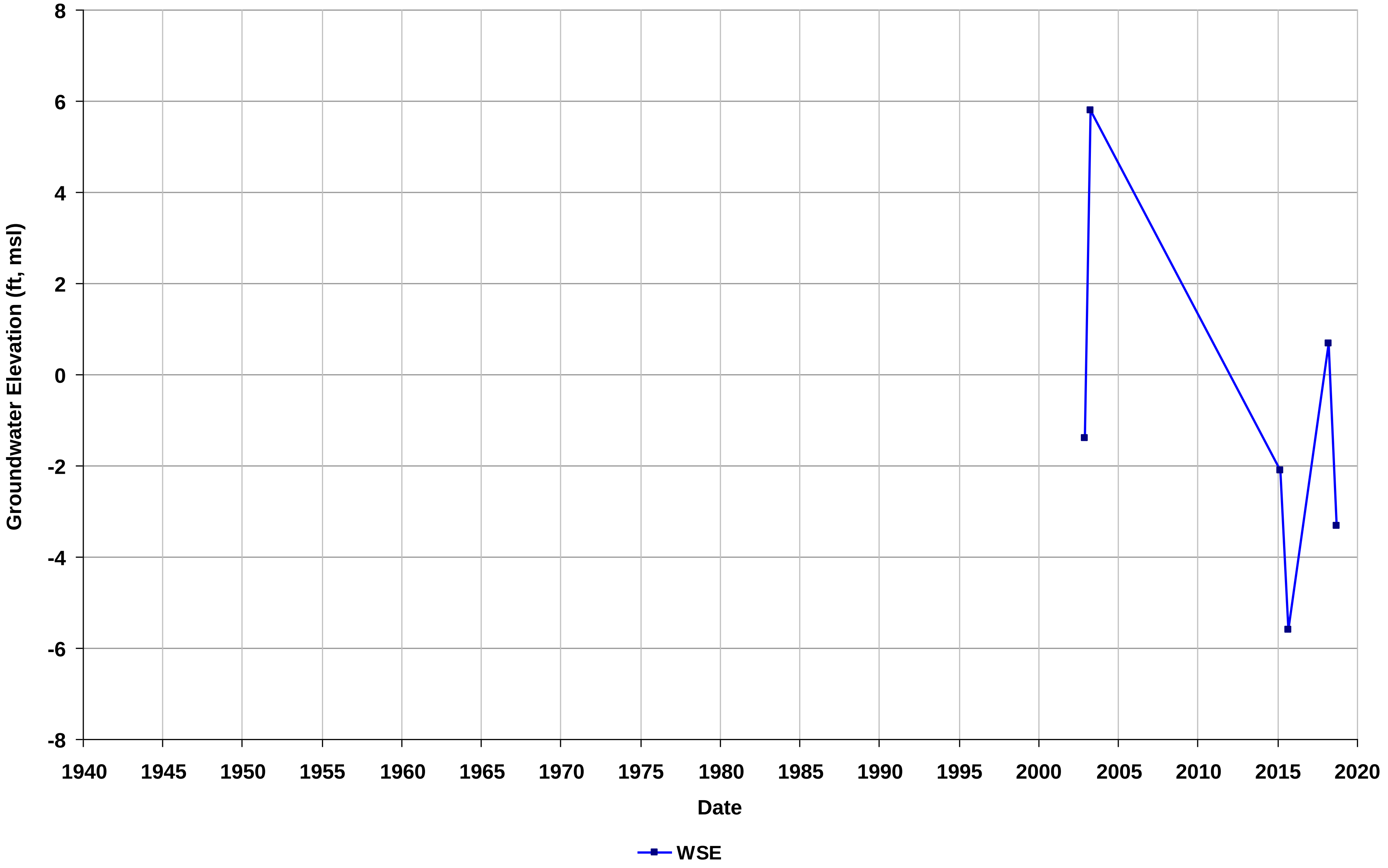
Well Name: 04S/02W-14D03
Depth Zone: Deep
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 400-450
T/R/S: 04S/02W/14
Well Use: Observation



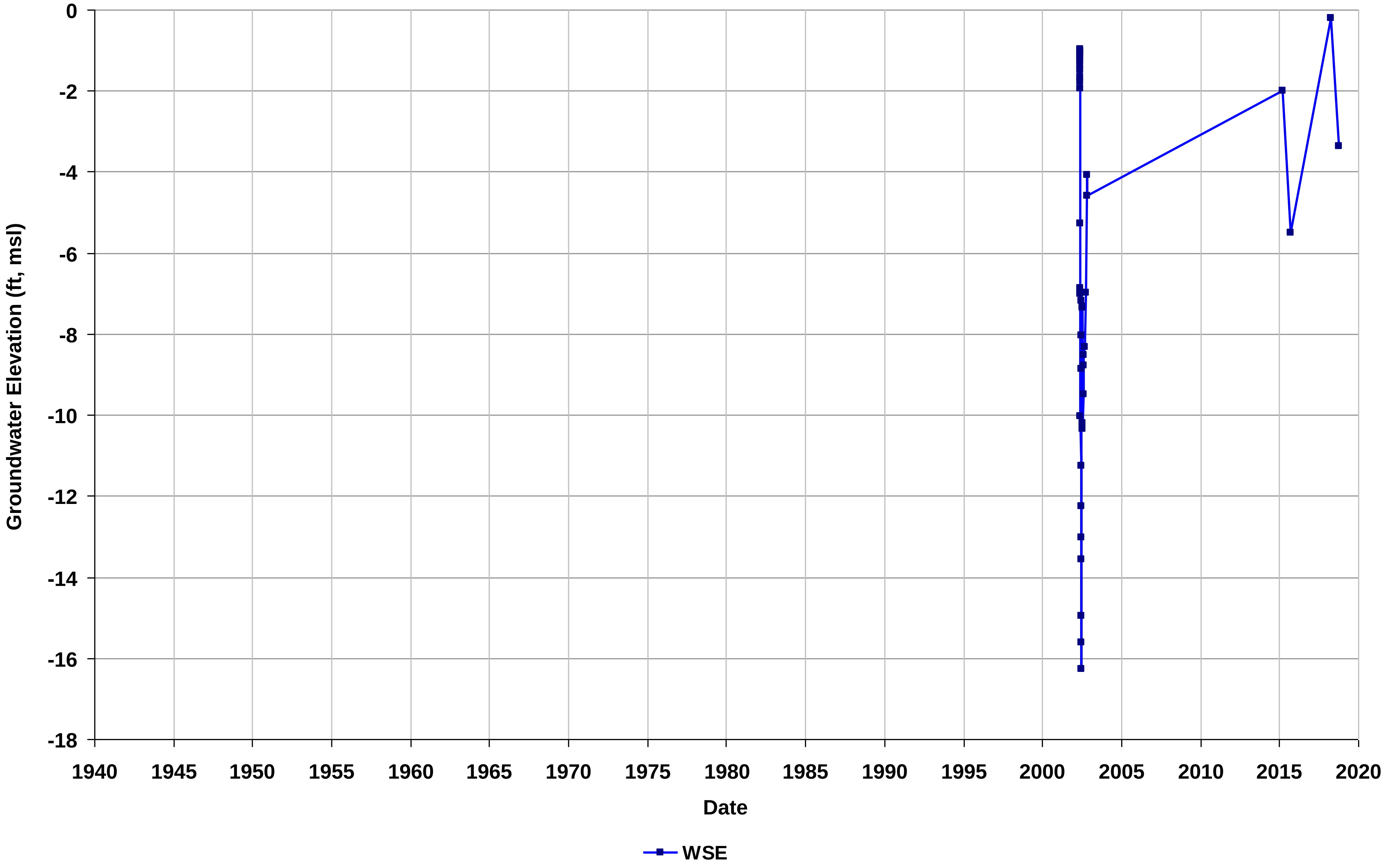
Well Name: 04S/02W-14D04
Depth Zone: Deep
Subbasin: Niles Cone
GSE (ft, msl): 16

Total Depth (ft bgs): 560
erf. Interval (ft bgs): 490-510; 520-540
T/R/S: 04S/02W/14
Well Use: Observation



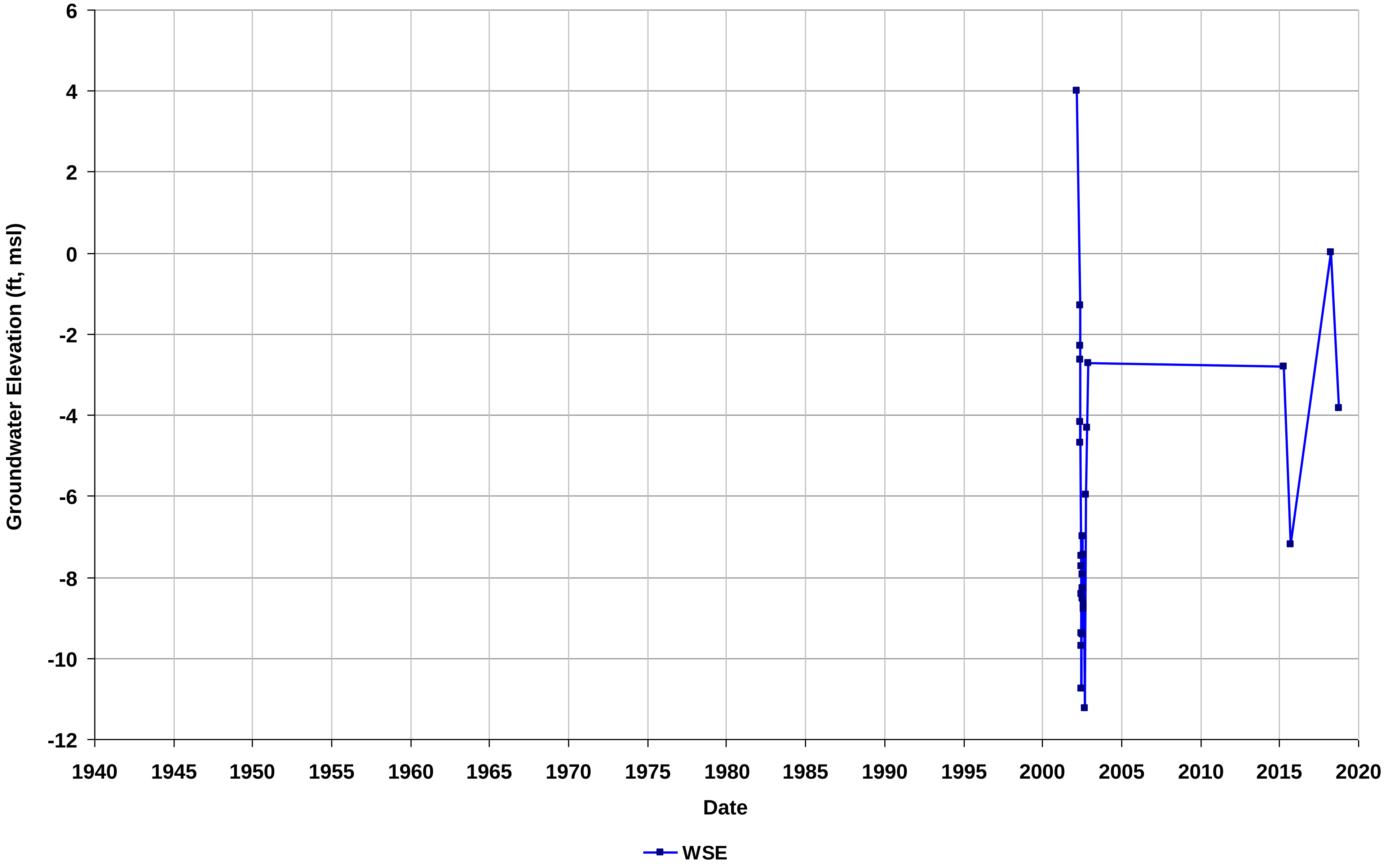
Well Name: 04S/02W-15L05
Depth Zone: Deep
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs): 430-470
T/R/S: 04S/02W/15
Well Use:



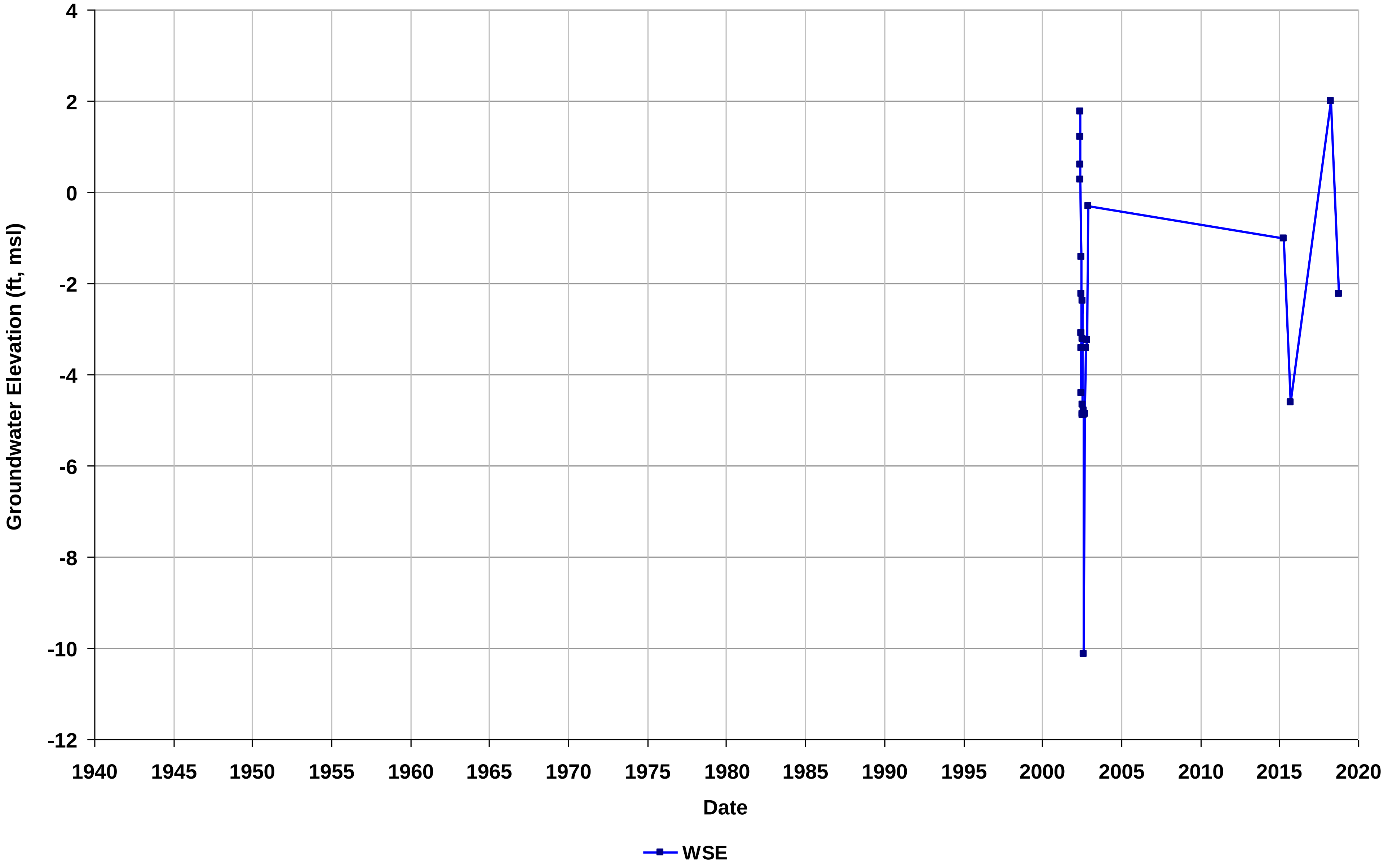
Well Name: 04S/02W-25D01
Depth Zone: Deep
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/25
Well Use:



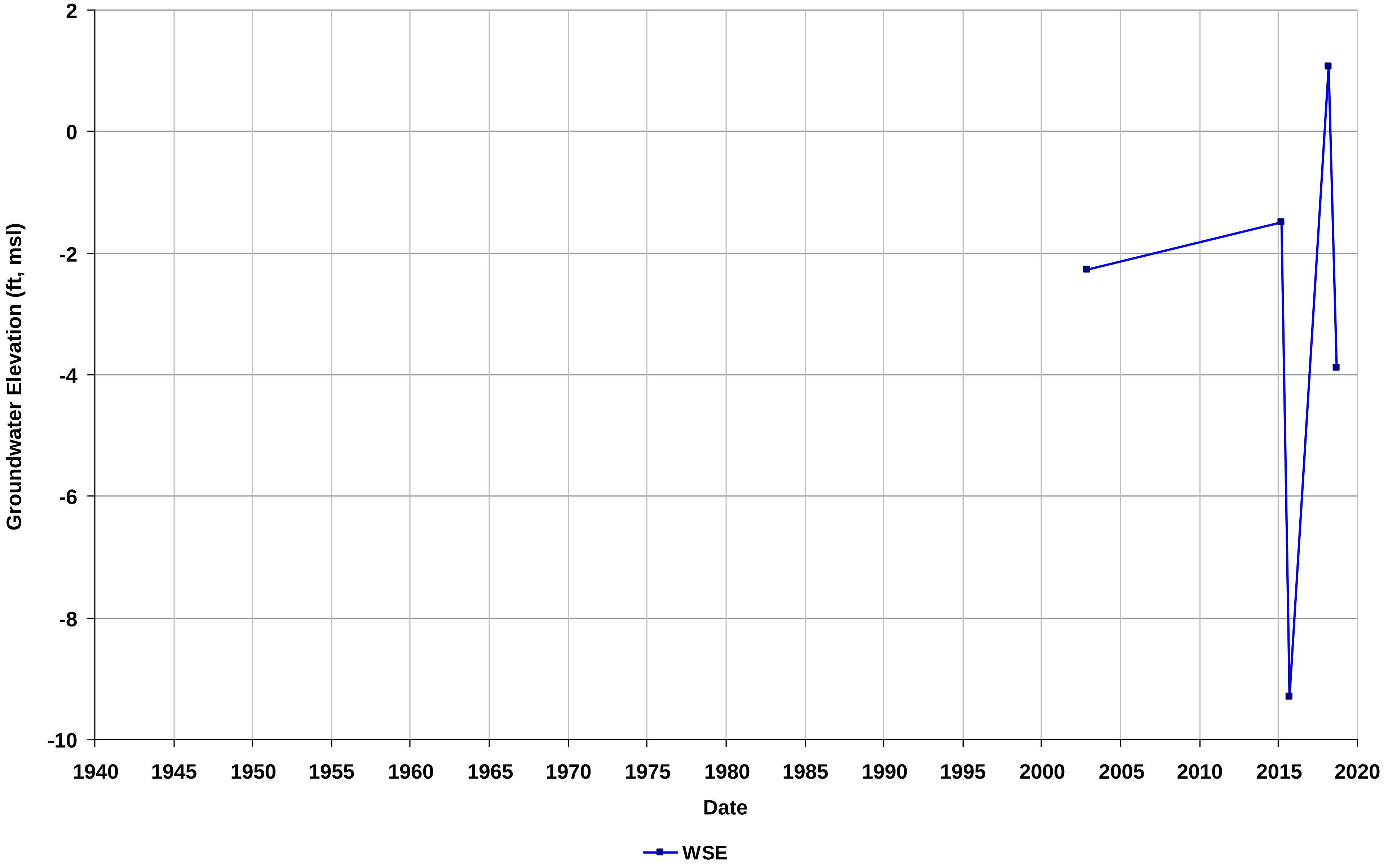
Well Name: 04S/02W-25D02
Depth Zone: Deep
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/25
Well Use:



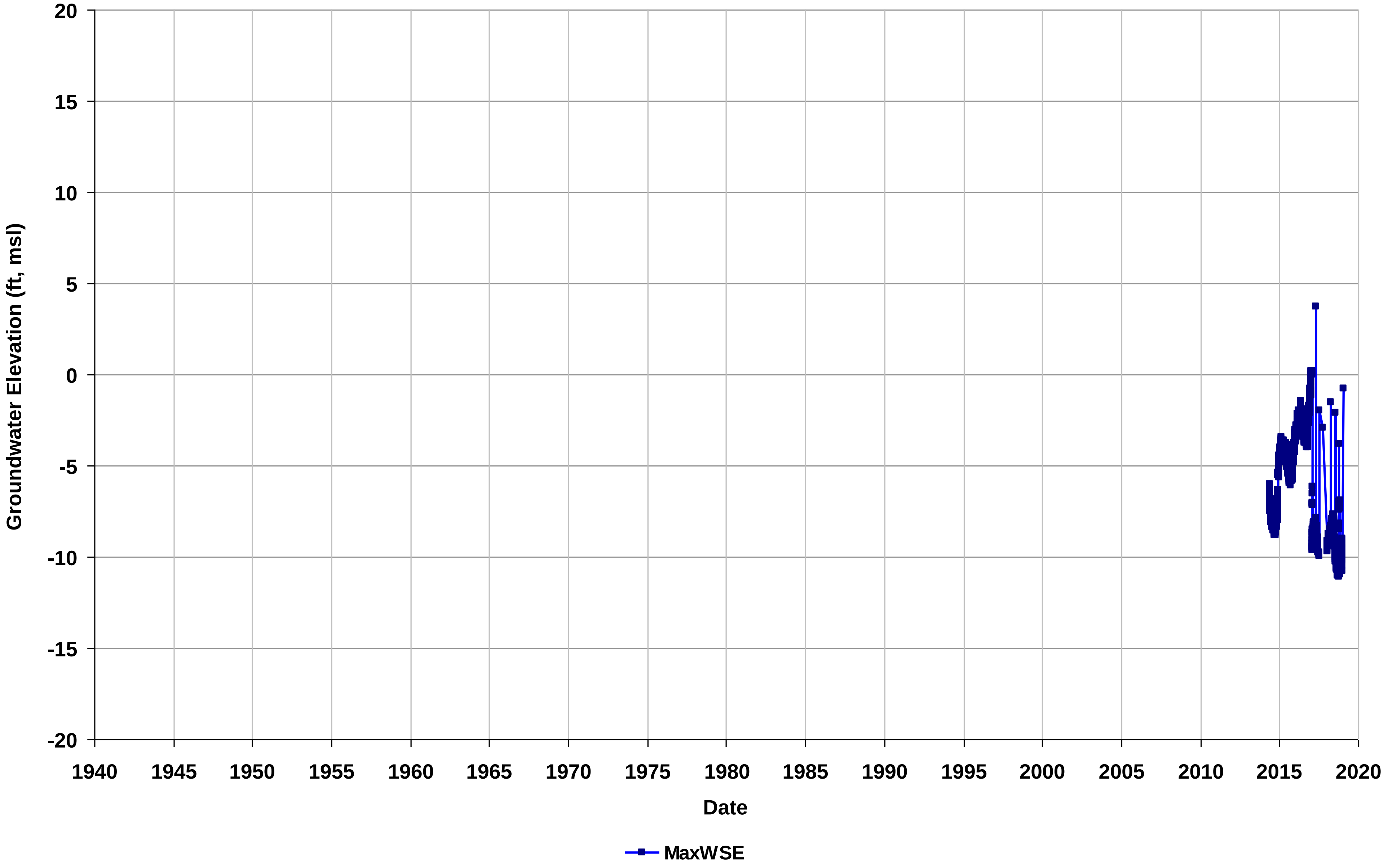
Well Name: 04S/02W-26K04
Depth Zone: Deep
Subbasin: Niles Cone
GSE (ft, msl): 20

Total Depth (ft bgs): 501
Perf. Interval (ft bgs):
T/R/S: 04S/02W/26
Well Use: Unknown



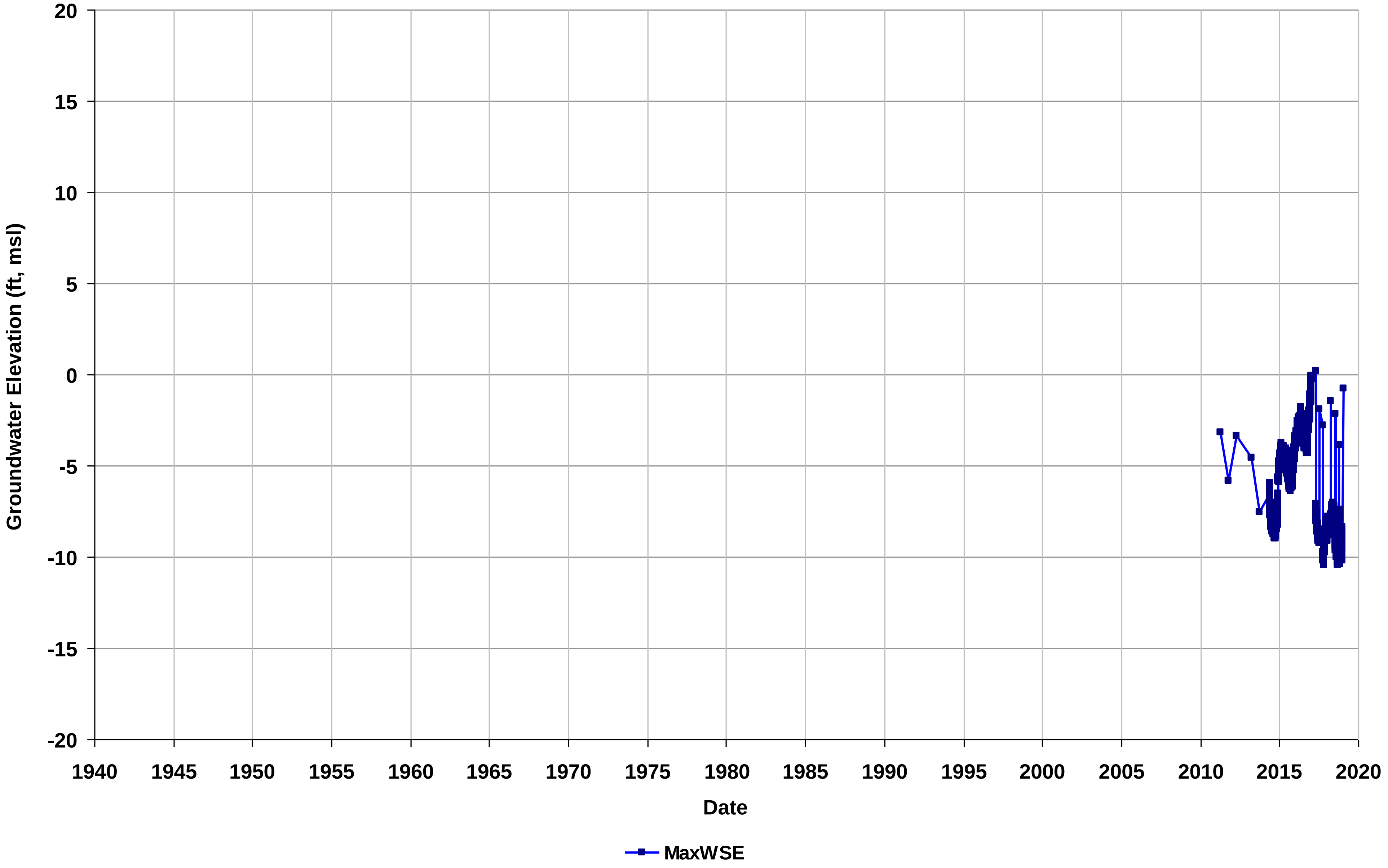
Well Name: EBMUD MW-1
Depth Zone: Deep
Subbasin: East Bay Plain
GSE (ft, msl): 8

Total Depth (ft bgs): 665
Perf. Interval (ft bgs): 520-550: 570-590; 620-640
T/R/S: 03S/03W/14
Well Use: Observation



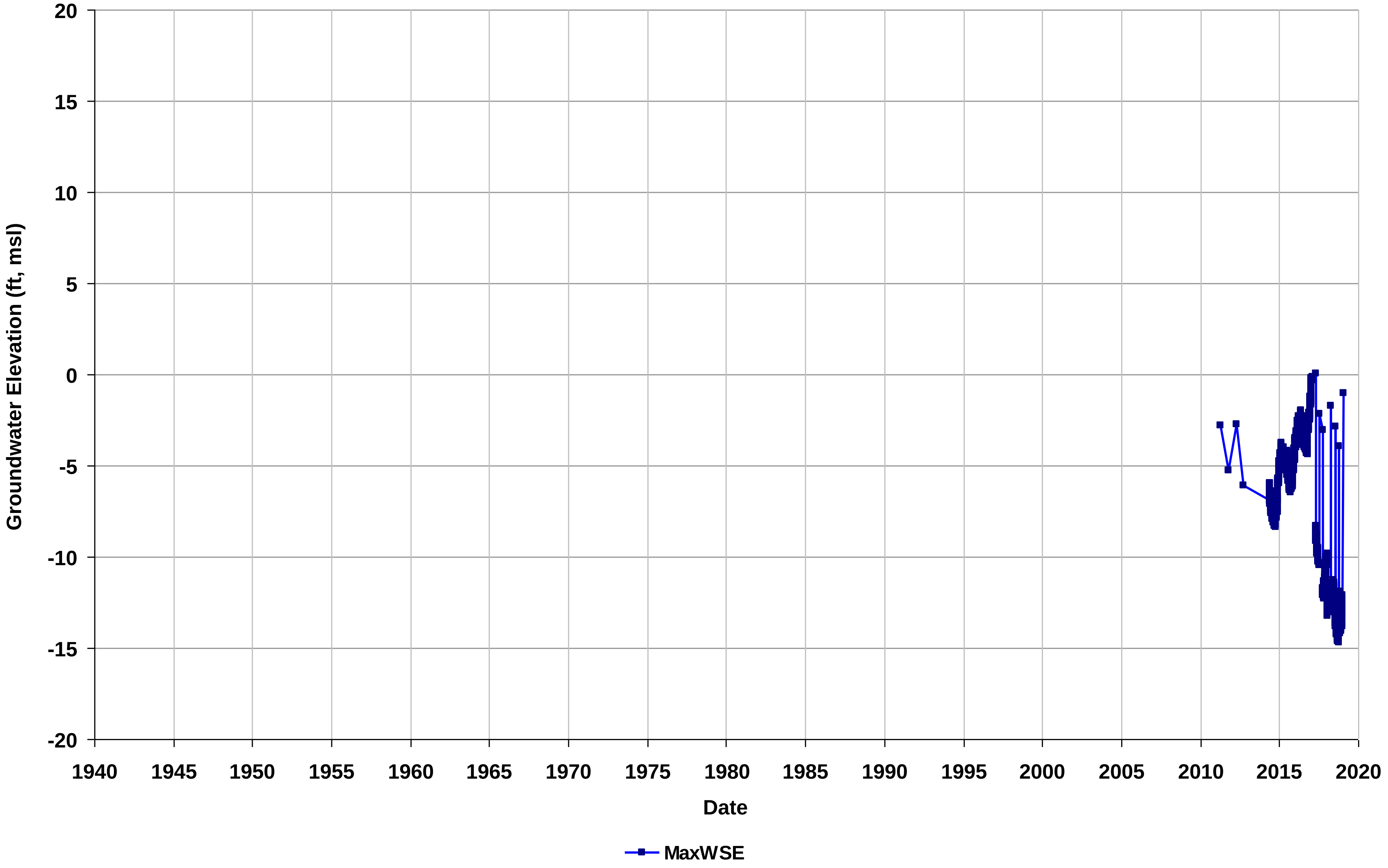
Well Name: EBMUD MW-3
Depth Zone: Deep
Subbasin: East Bay Plain
GSE (ft, msl): 9

Total Depth (ft bgs): 665
Perf. Interval (ft bgs): 520-650
T/R/S: 03S/03W/14
Well Use: Observation



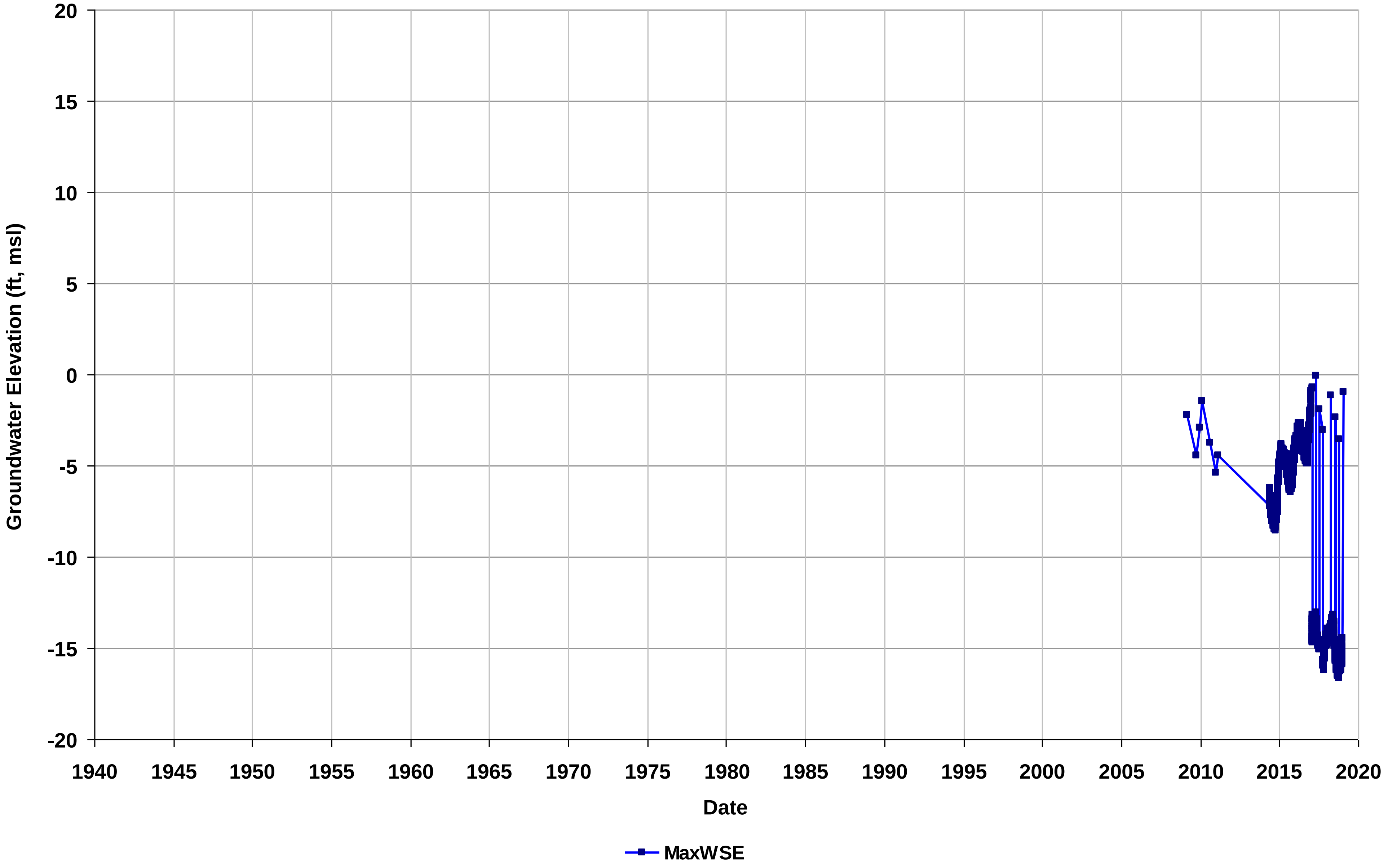
Well Name: EBMUD MW-4
Depth Zone: Deep
Subbasin: East Bay Plain
GSE (ft, msl): 8

Total Depth (ft bgs): 705
Perf. Interval (ft bgs): 520-650
T/R/S: 03S/03W/14
Well Use: Observation



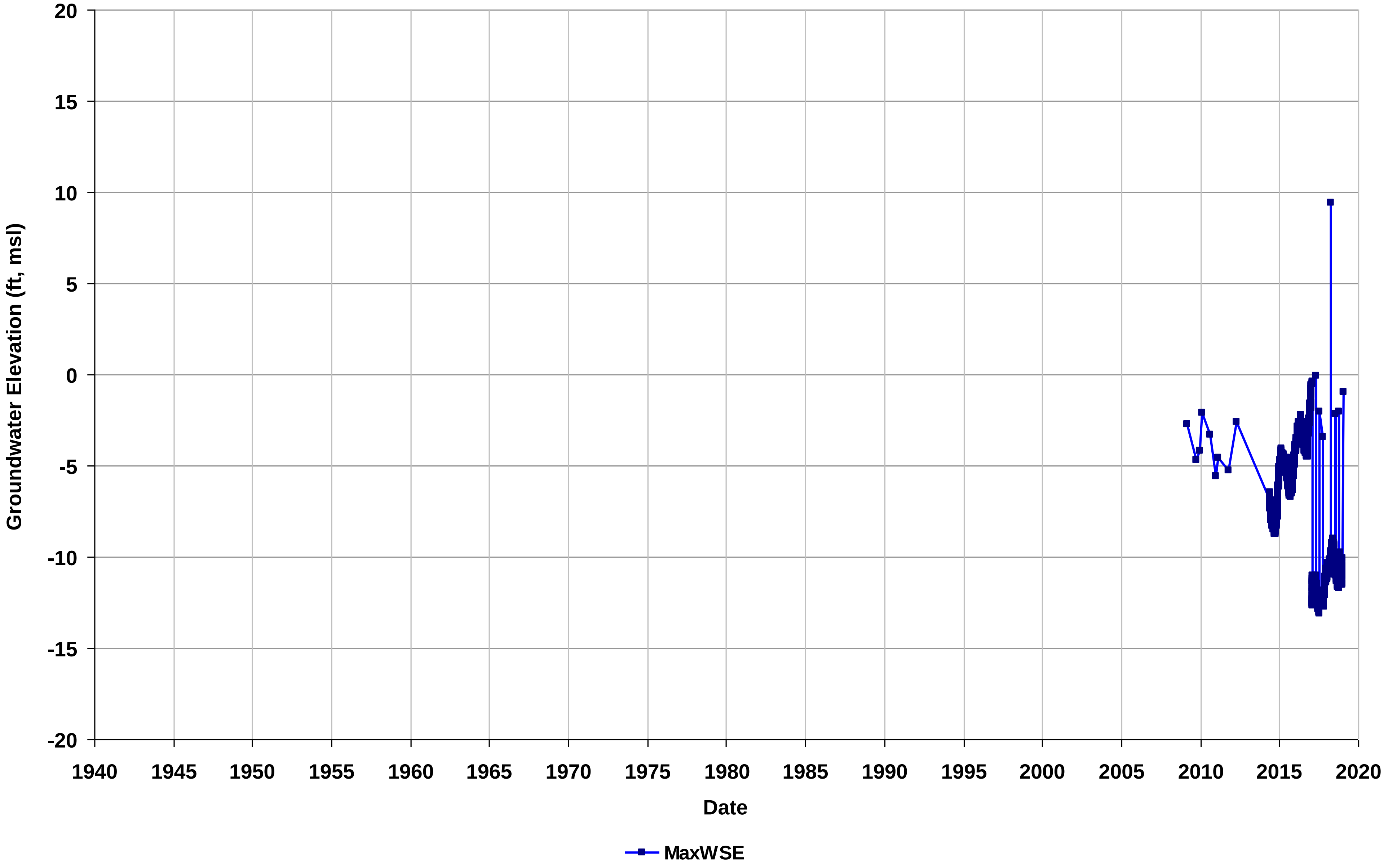
Well Name: EBMUD MW-5D
Depth Zone: Deep
Subbasin: East Bay Plain
GSE (ft, msl): 13

Total Depth (ft bgs): 1025
Perf. Interval (ft bgs): 500-630
T/R/S: 03S/03W/13
Well Use: Observation



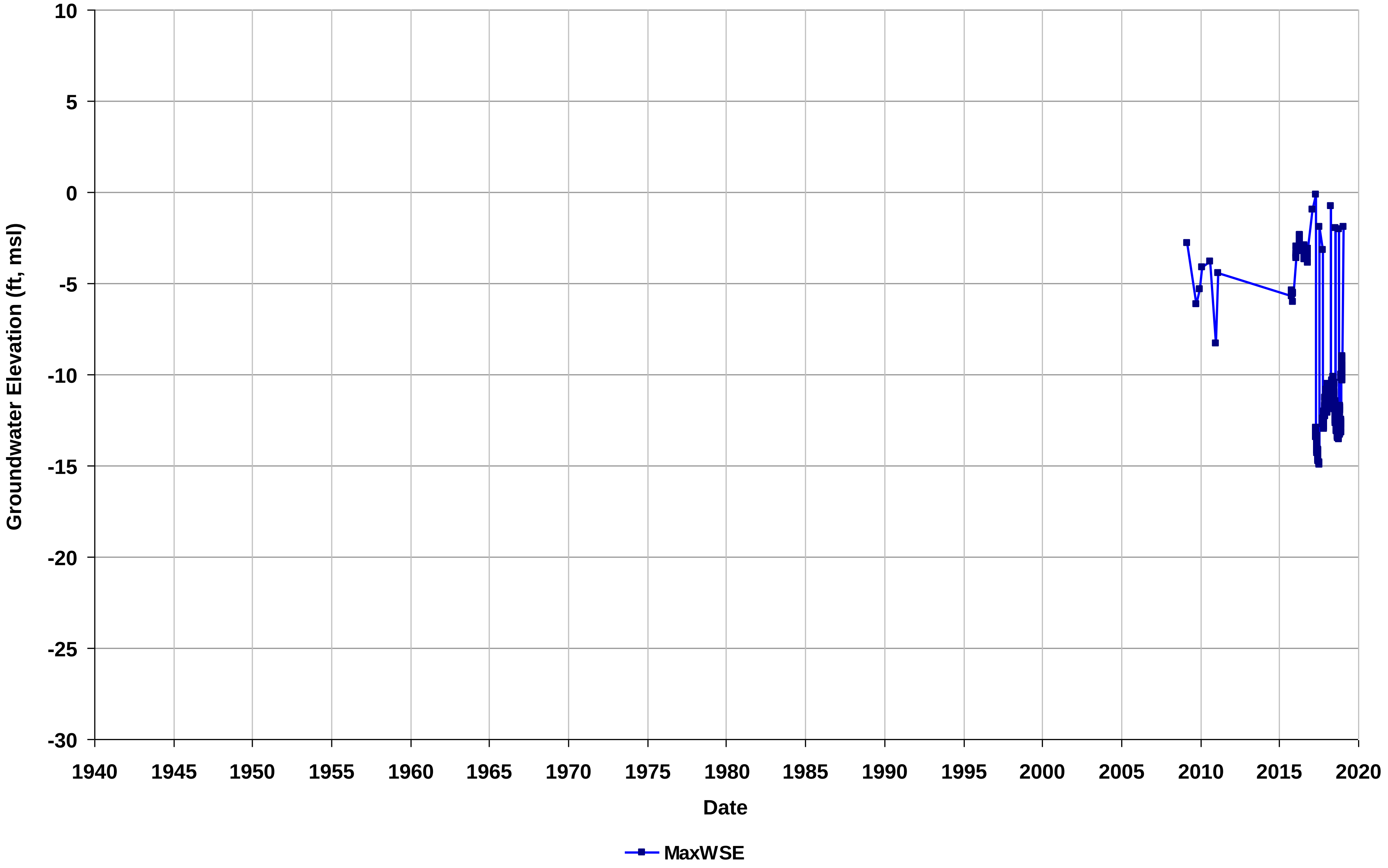
Well Name: EBMUD MW-6
Depth Zone: Deep
Subbasin: East Bay Plain
GSE (ft, msl): 9

Total Depth (ft bgs): 1000
Perf. Interval (ft bgs): 480-650
T/R/S: 03S/03W/13
Well Use: Observation



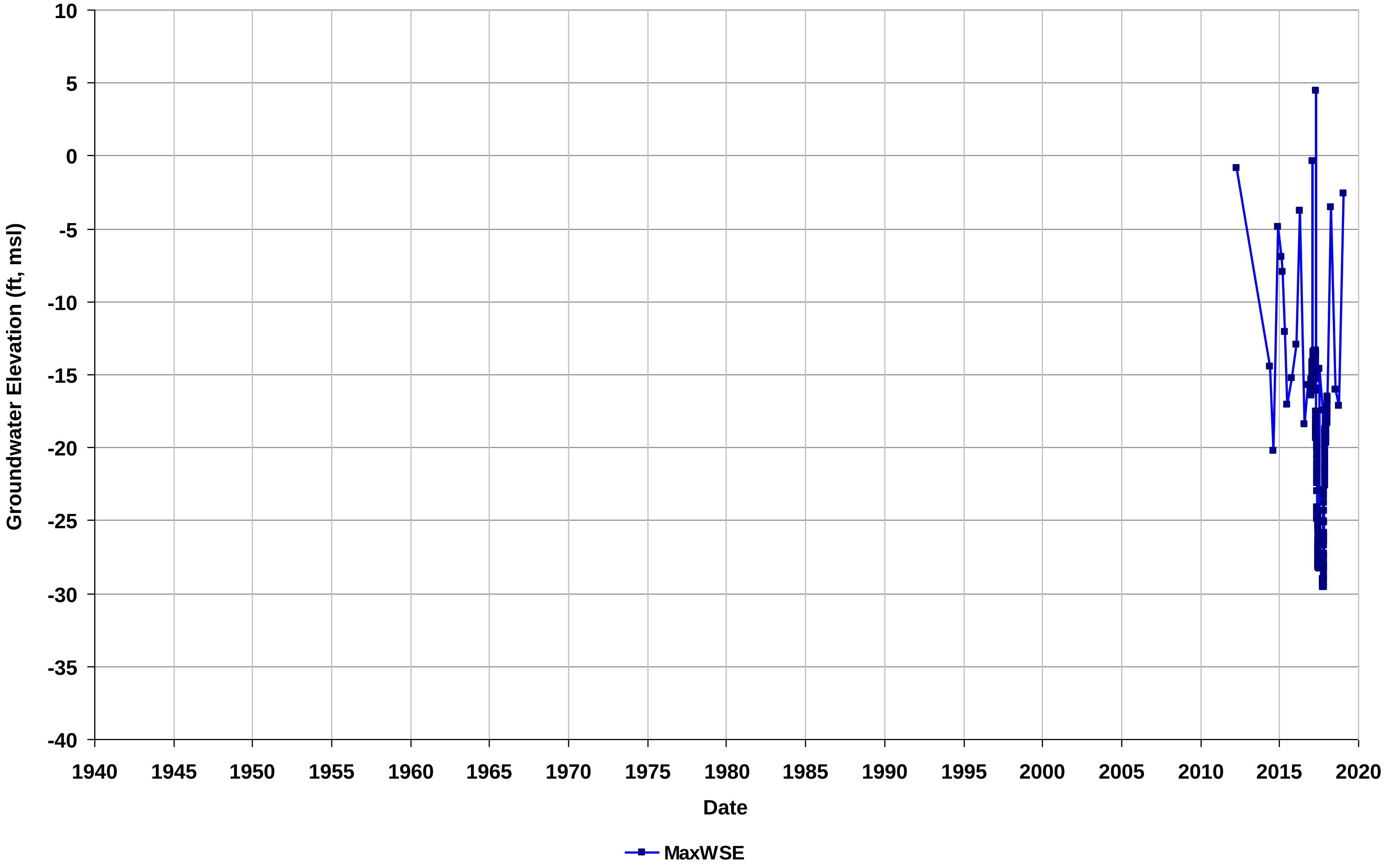
Well Name: EBMUD MW-7
Depth Zone: Deep
Subbasin: East Bay Plain
GSE (ft, msl): 7

Total Depth (ft bgs): 680
Perf. Interval (ft bgs): 510-630
T/R/S: 03S/03W/24
Well Use: Observation



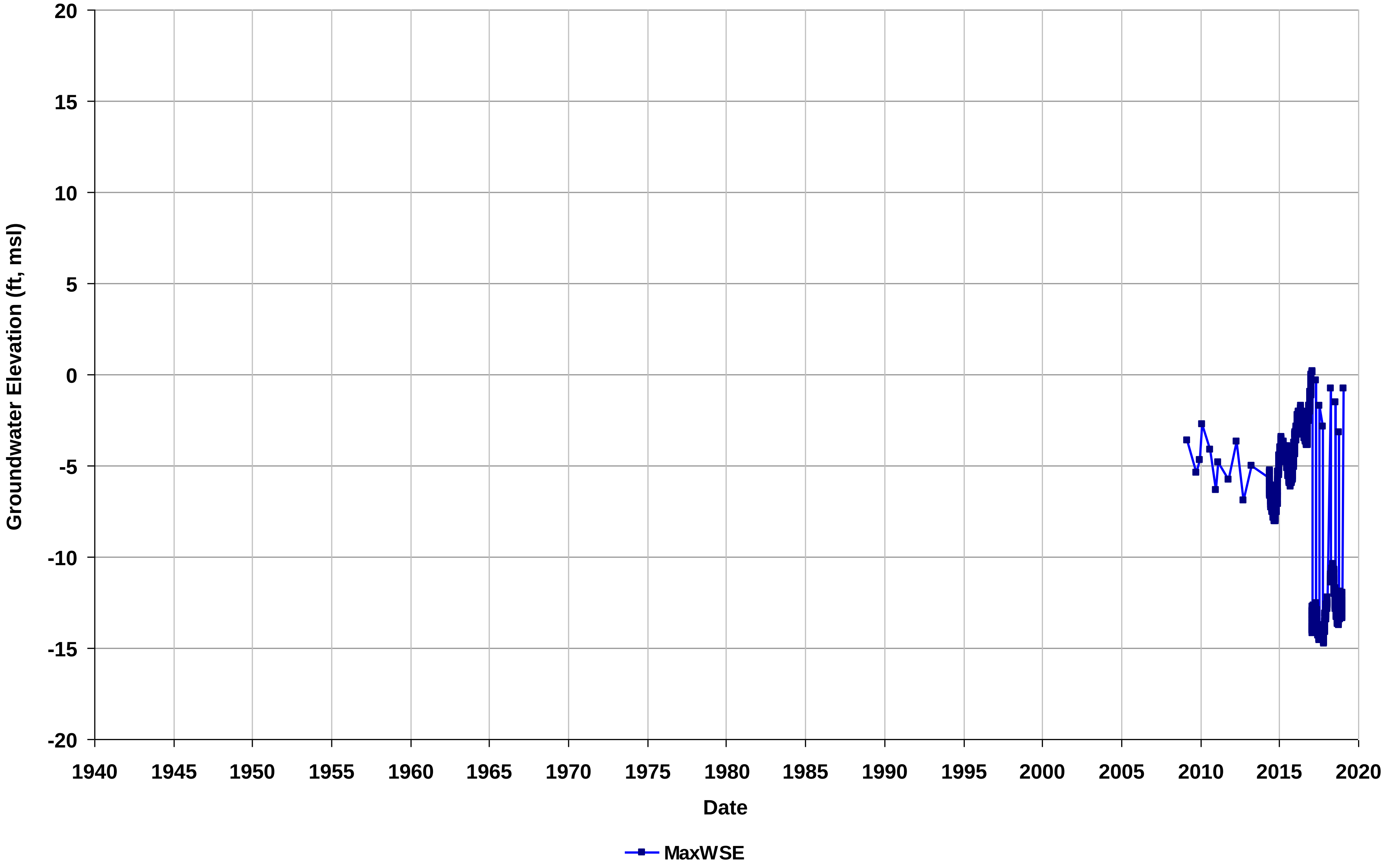
Well Name: EBMUD MW-8D
Depth Zone: Deep
Subbasin: East Bay Plain
GSE (ft, msl): 14

Total Depth (ft bgs): 910
Perf. Interval (ft bgs): 420-480
T/R/S: 02S/03W/34
Well Use: Observation



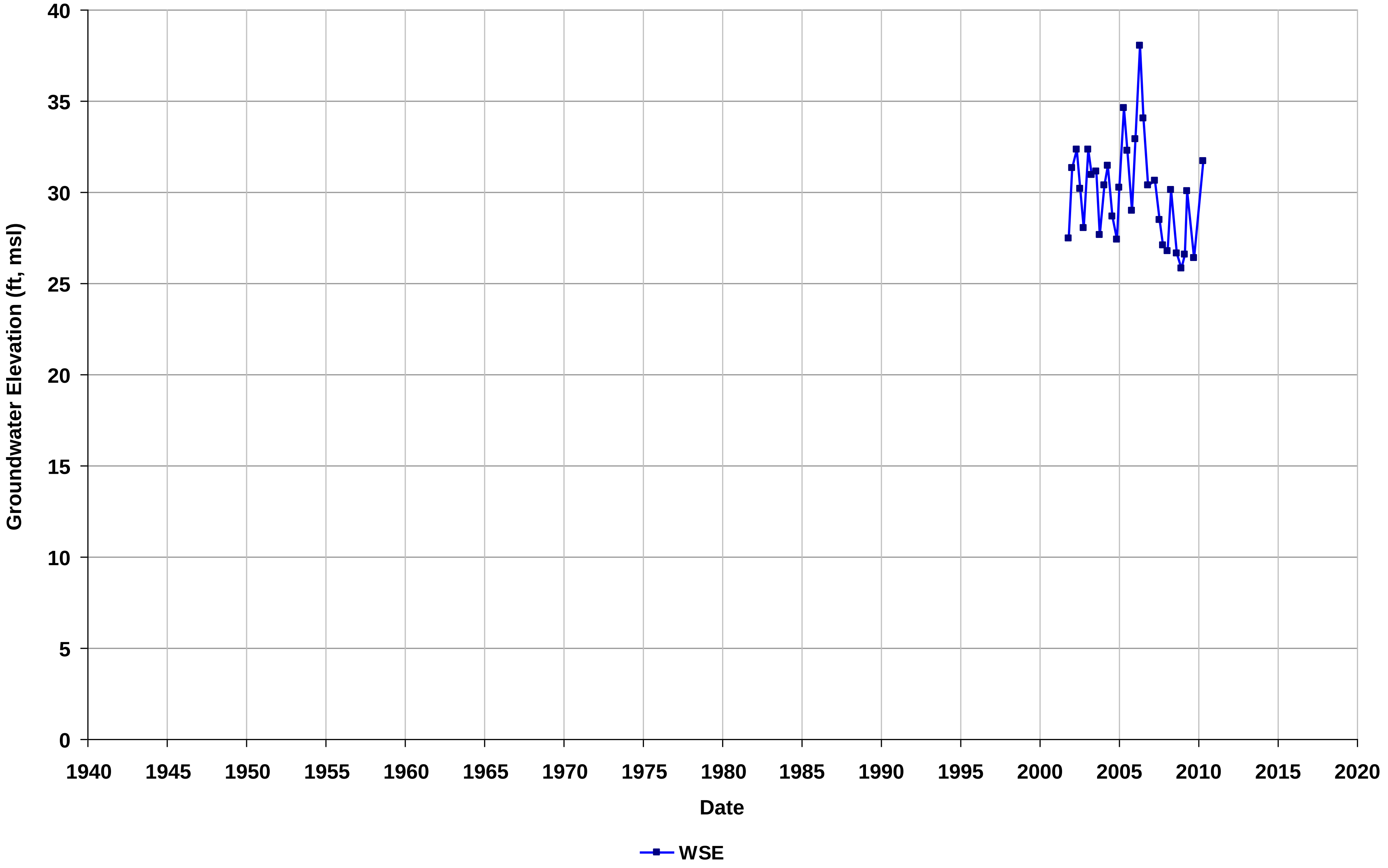
Well Name: EBMUD MW-10D
Depth Zone: Deep
Subbasin: East Bay Plain
GSE (ft, msl): 11

Total Depth (ft bgs): 680
Perf. Interval (ft bgs): 590-610
T/R/S: 03S/03W/11
Well Use: Observation



Well Name: T0600101224-MW-5
Depth Zone: Deep
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 4965
Perf. Interval (ft bgs):
T/R/S: 02S/03W/25
Well Use: Observation



Section E-5

Multiple Aquifer and Unknown Aquifer Zone Groundwater Hydrographs

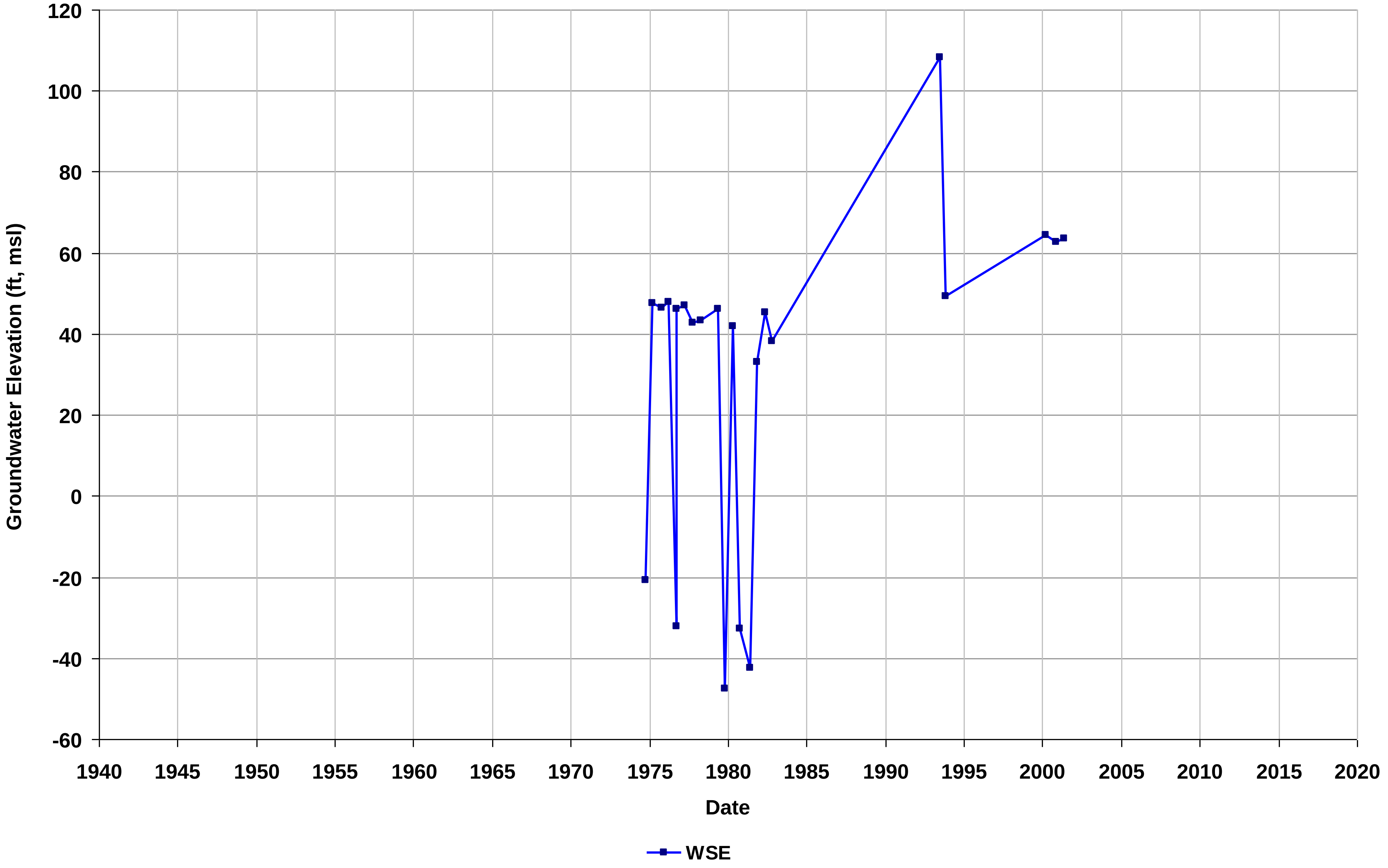
Wells with Hydrographs - Multiple Aquifers

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure E-5

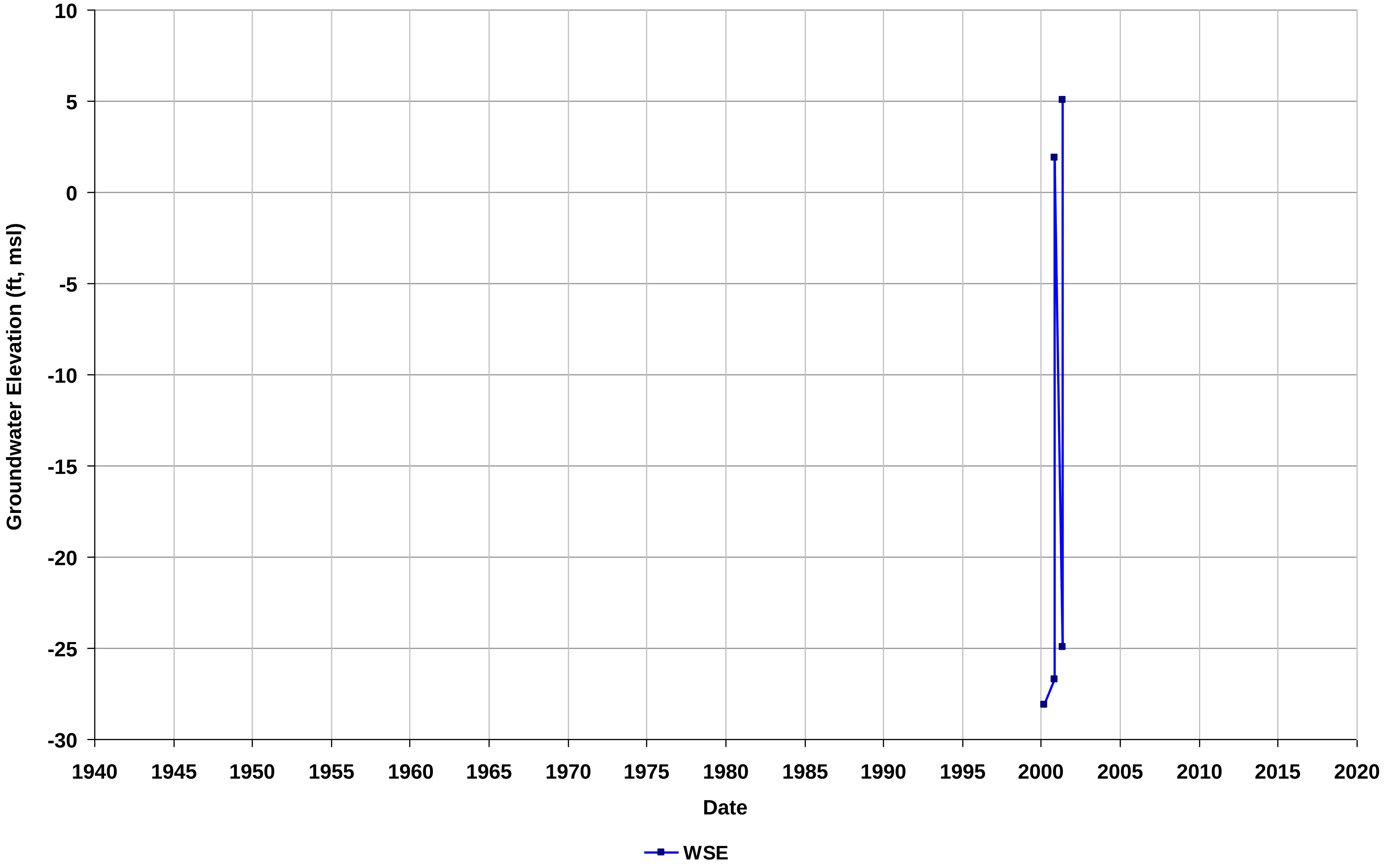
Well Name: 02S/03W-10G01
Depth Zone: Shallow-Intermediate-Deep
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 440
Perf. Interval (ft bgs): 127-437
T/R/S: 02S/03W/10
Well Use: Irrigation



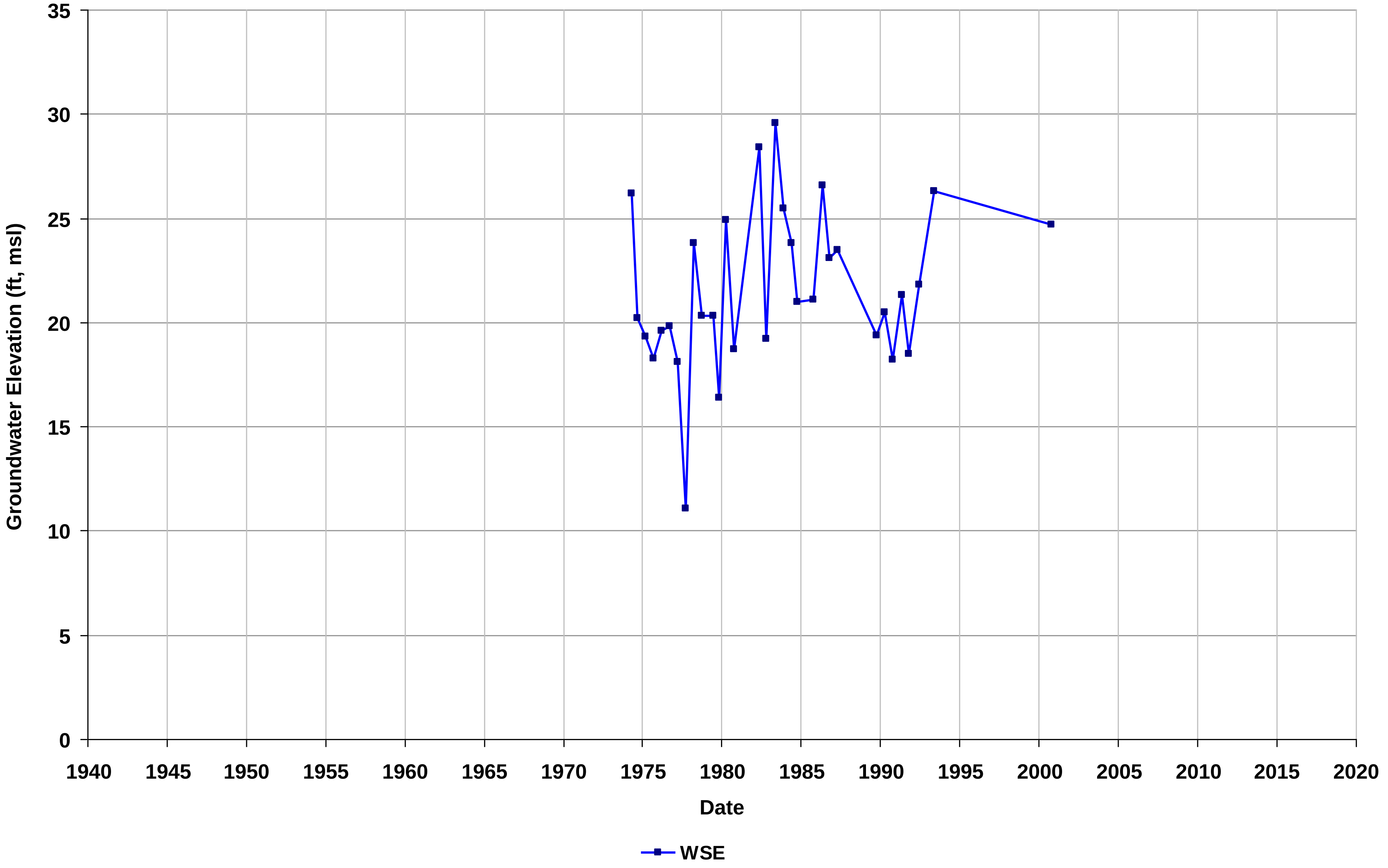
Well Name: 02S/03W-34K07
Depth Zone: Intermediate-Deep
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 475
Perf. Interval (ft bgs): 230-450
T/R/S: 02S/03W/34
Well Use: Industrial



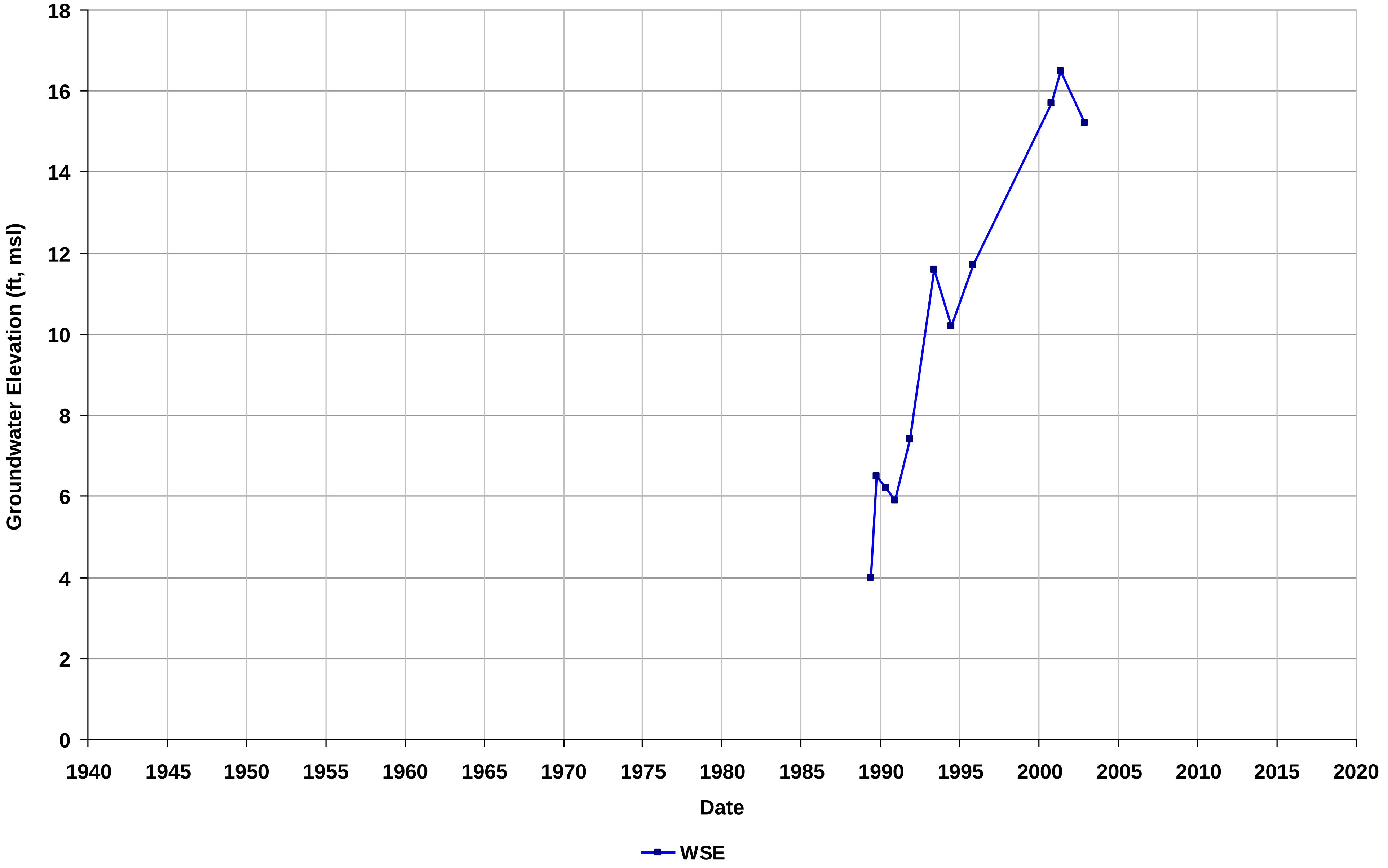
Well Name: 02S/03W-36M02
Depth Zone: Shallow-Intermediate
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 308
Perf. Interval (ft bgs): 116-292
T/R/S: 02S/03W/36
Well Use: Industrial



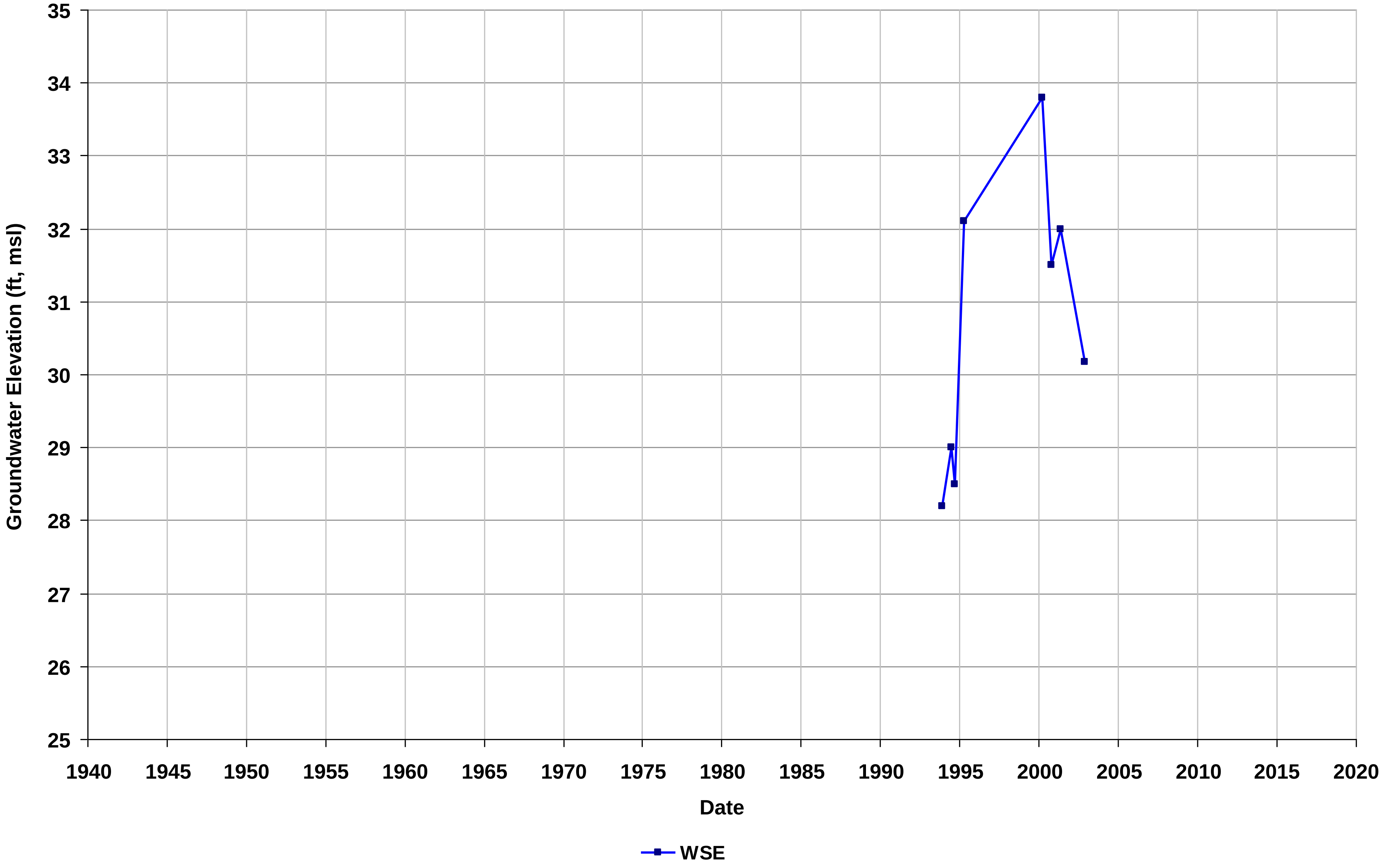
Well Name: 03S/02W-28D03
Depth Zone: Shallow-Intermediate
Subbasin: East Bay Plain
GSE (ft, msl): 60

Total Depth (ft bgs): 232
Perf. Interval (ft bgs): 152-232
T/R/S: 03S/02W/28
Well Use: Residential



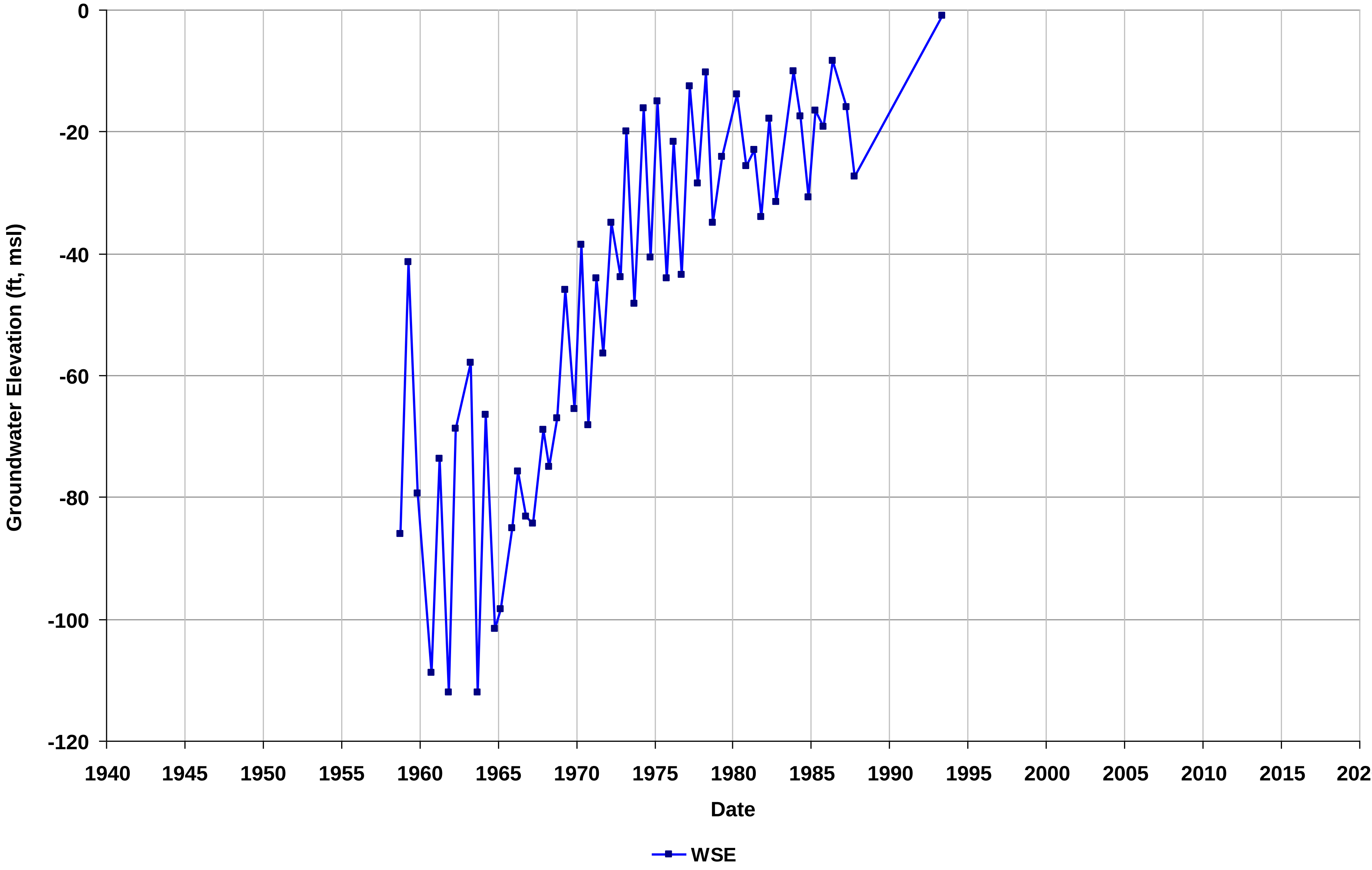
Well Name: 03S/02W-29A03
Depth Zone: Shallow-Intermediate
Subbasin: East Bay Plain
GSE (ft, msl): 57

Total Depth (ft bgs): 429
Perf. Interval (ft bgs): 116-362
T/R/S: 03S/02W/29
Well Use: Industrial



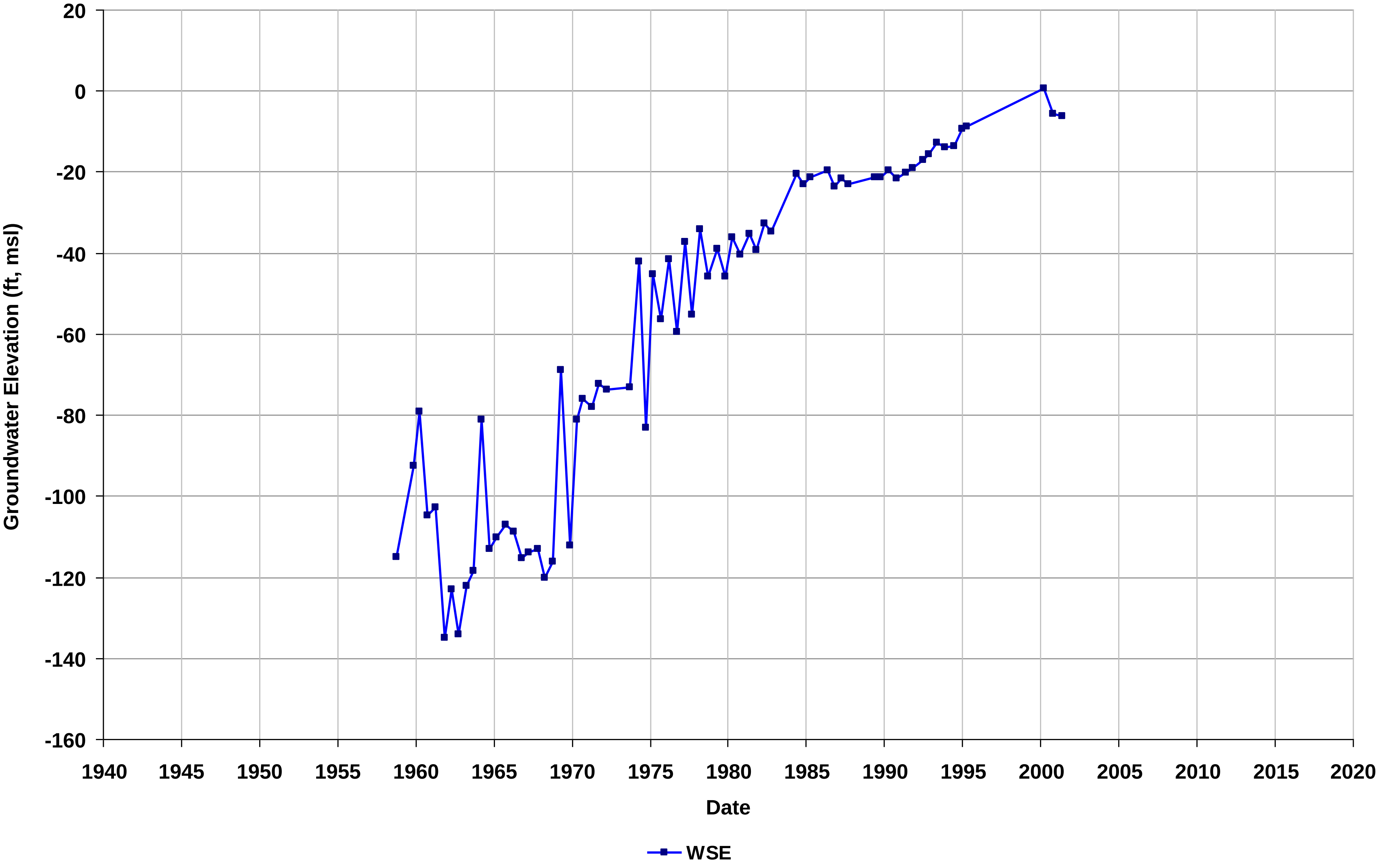
Well Name: 03S/02W-35R01
Depth Zone: Shallow-Intermediate-Deep
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 570
Perf. Interval (ft bgs): 114-565
T/R/S: 03S/02W/35
Well Use: Irrigation



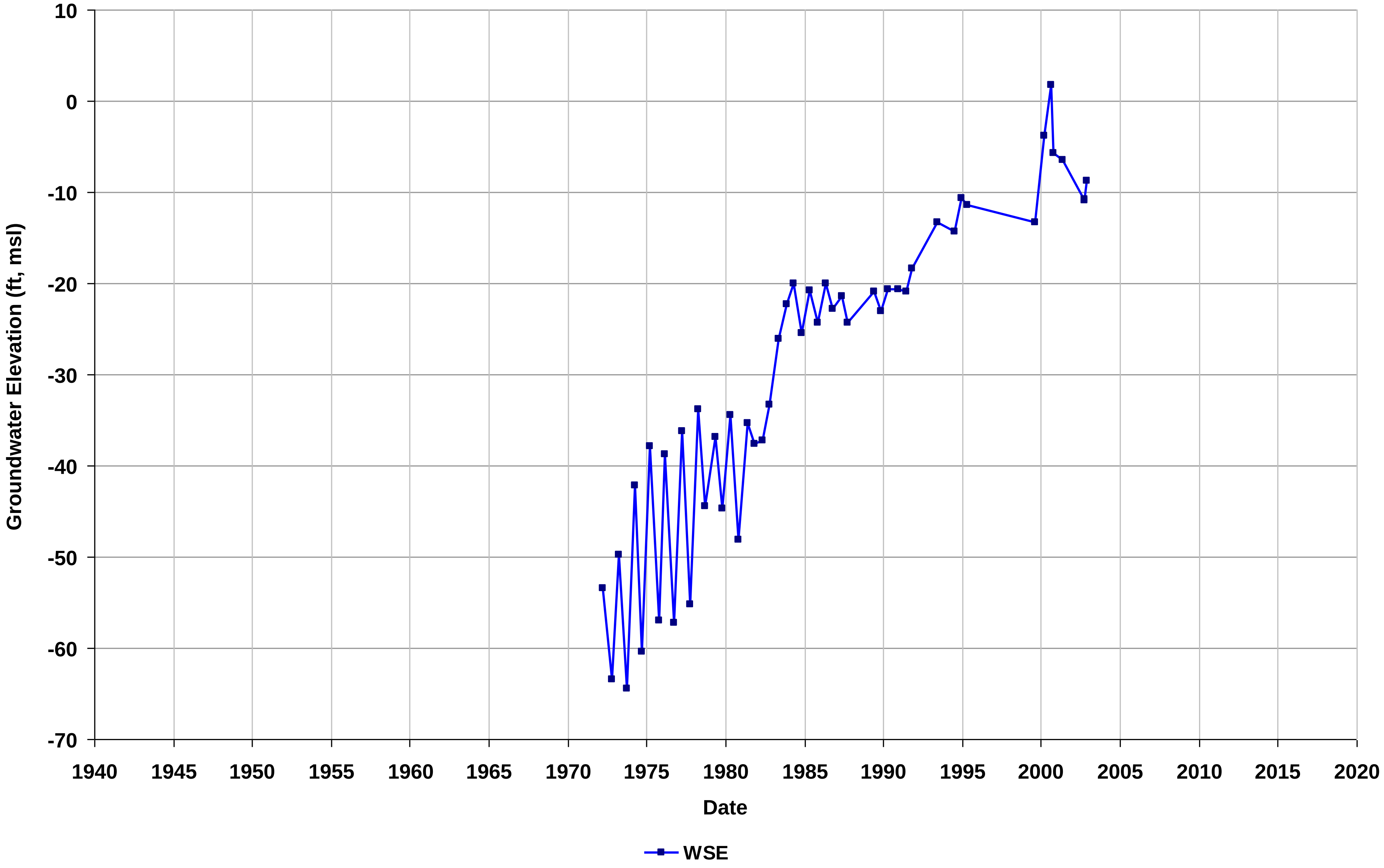
Well Name: 03S/03W-01G01
Depth Zone: Intermediate-Deep
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs): 701
Perf. Interval (ft bgs): 351-685
T/R/S: 03S/03W/01
Well Use: Irrigation



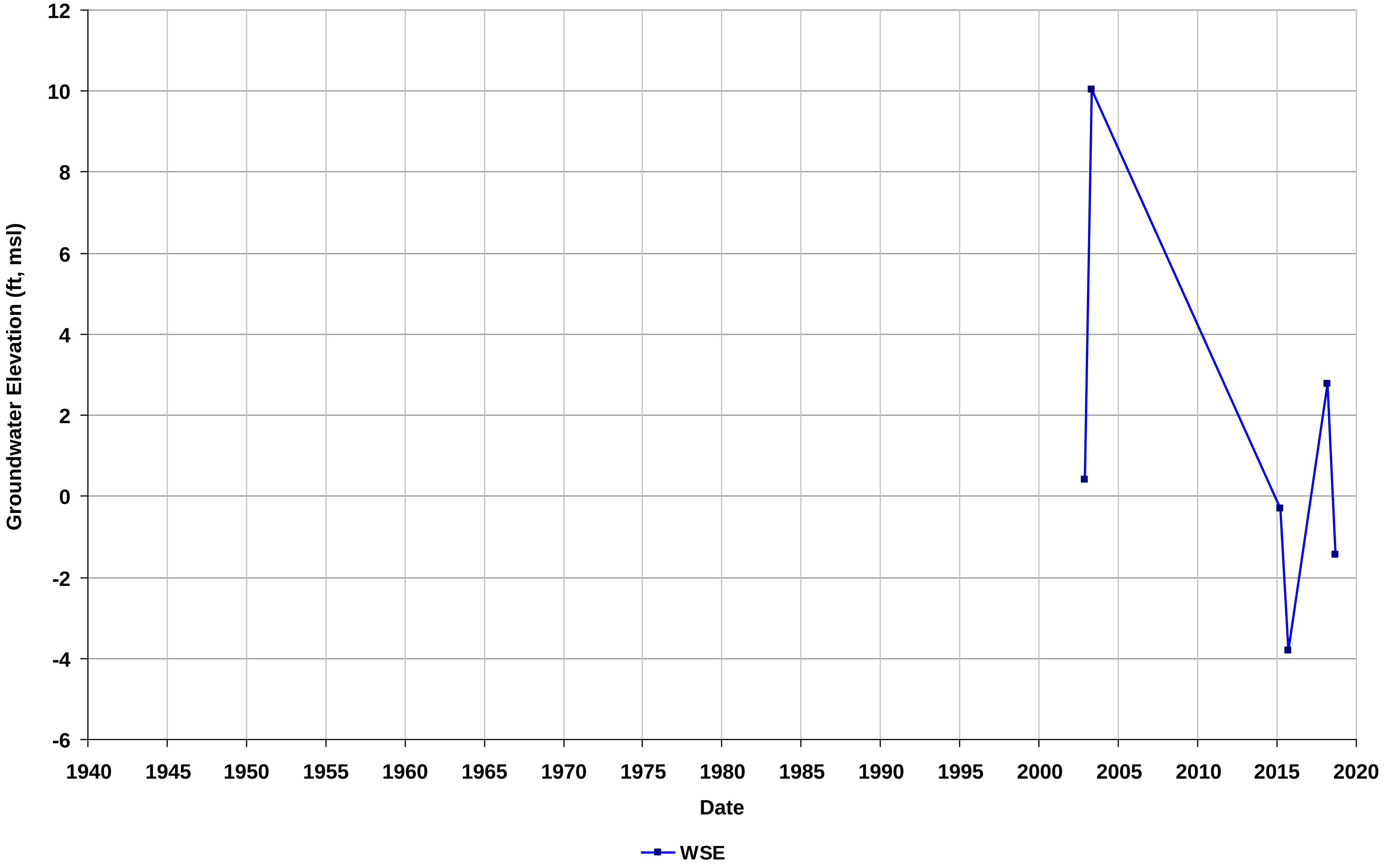
Well Name: 03S/03W-14K02
Depth Zone: Shallow-Intermediate-Deep
Subbasin: East Bay Plain
GSE (ft, msl): 6

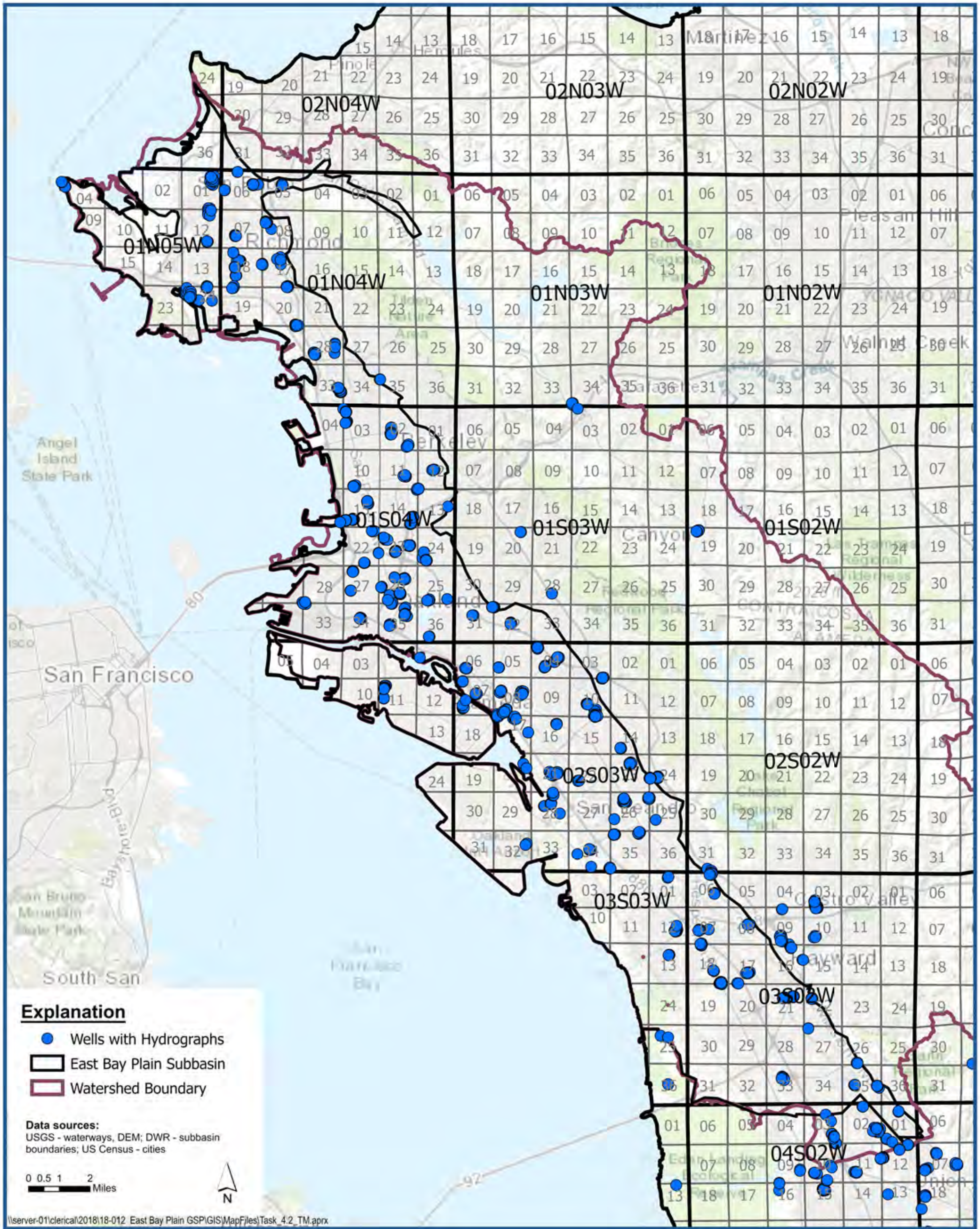
Total Depth (ft bgs): 993
Perf. Interval (ft bgs): 162-990
T/R/S: 03S/03W/14
Well Use: Industrial



Well Name: 04S/02W-14D06
Depth Zone: Shallow-Intermediate
Subbasin: Niles Cone
GSE (ft, msl): 16

Total Depth (ft bgs): 235
Perf. Interval (ft bgs): 180-220
T/R/S: 04S/02W/14
Well Use: Observation





LSCE TEAM

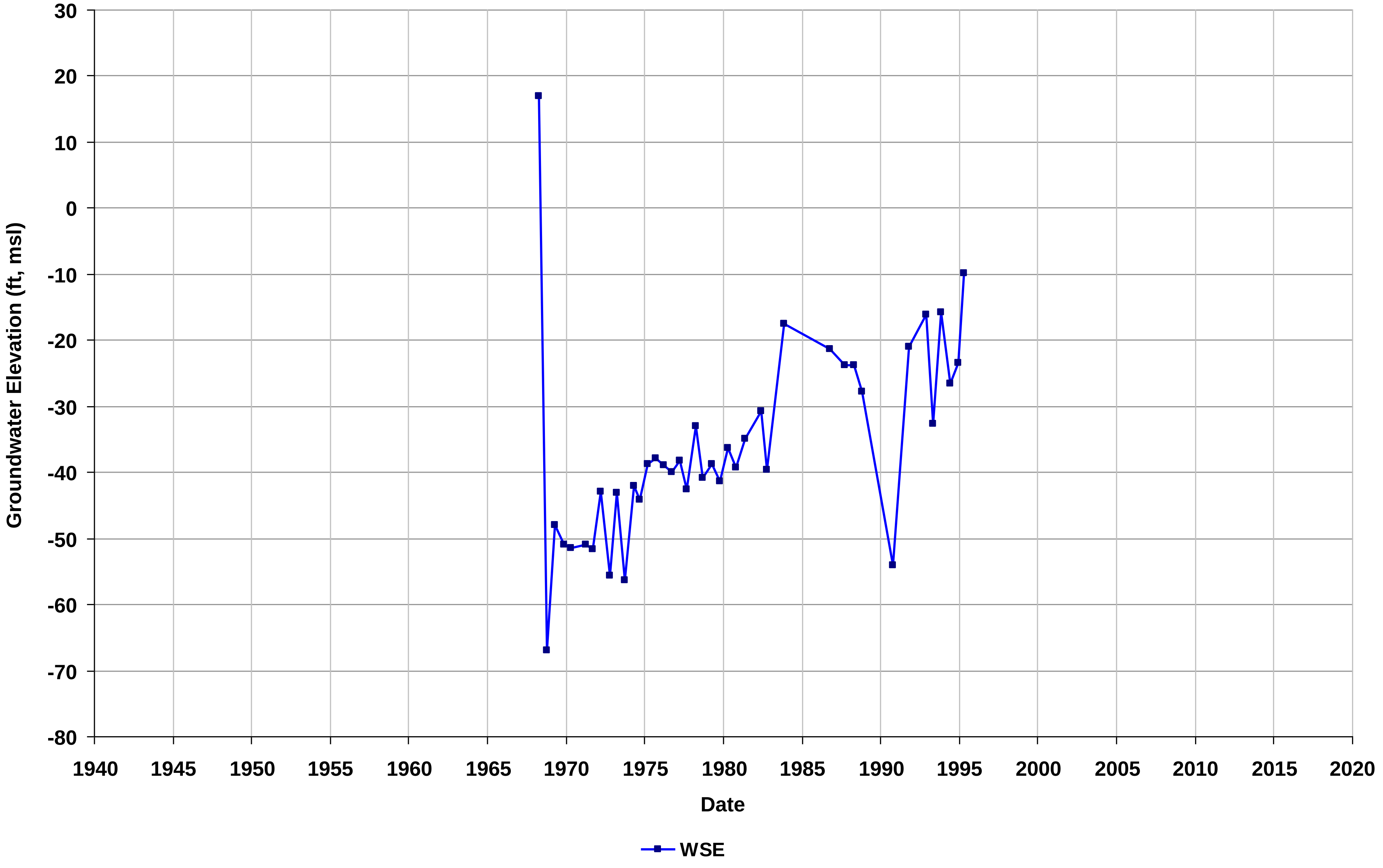
Wells with Hydrographs - Unknown Aquifer

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure E-6

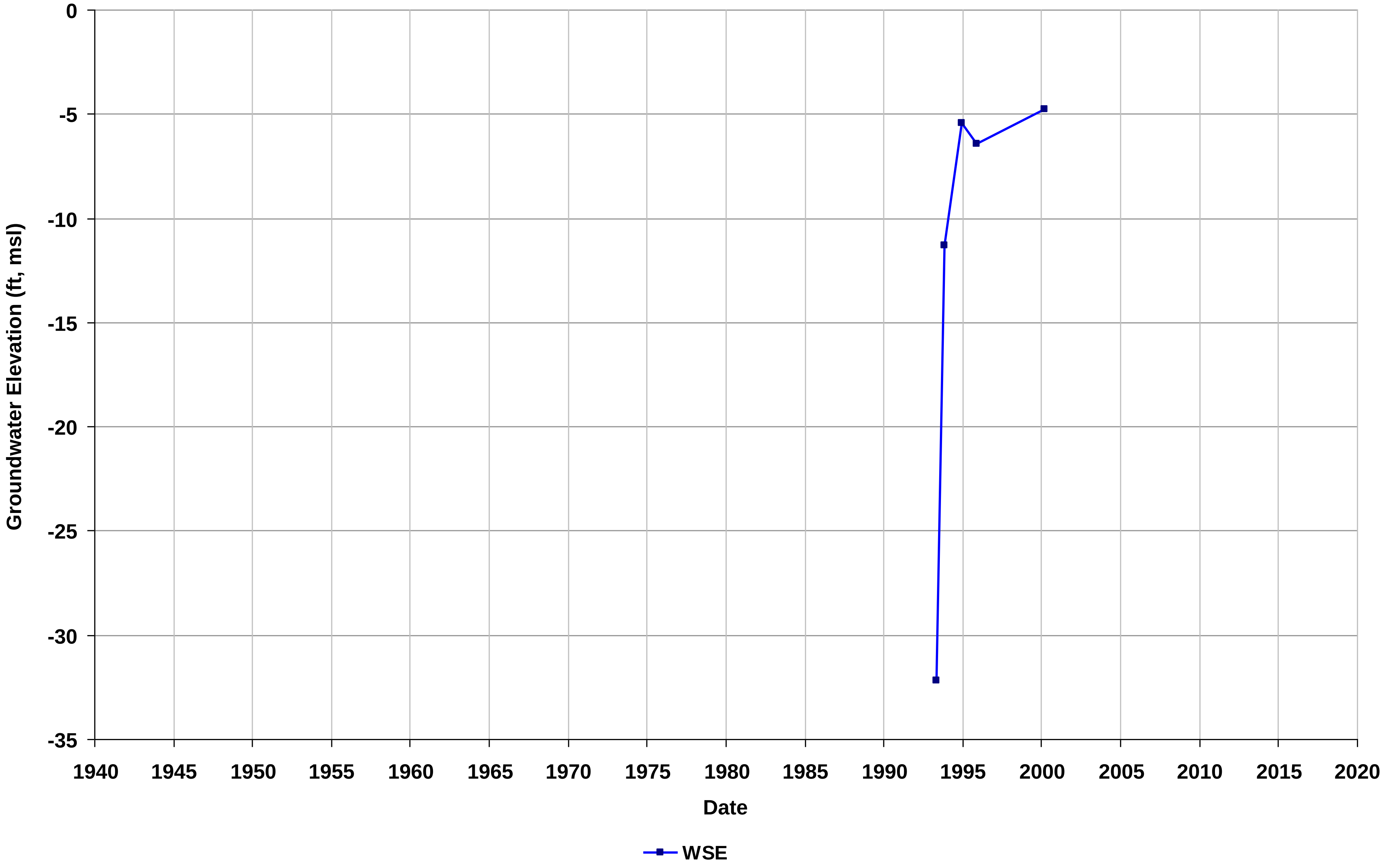
Well Name: 02S/03W-27H08
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/26
Well Use: Irrigation



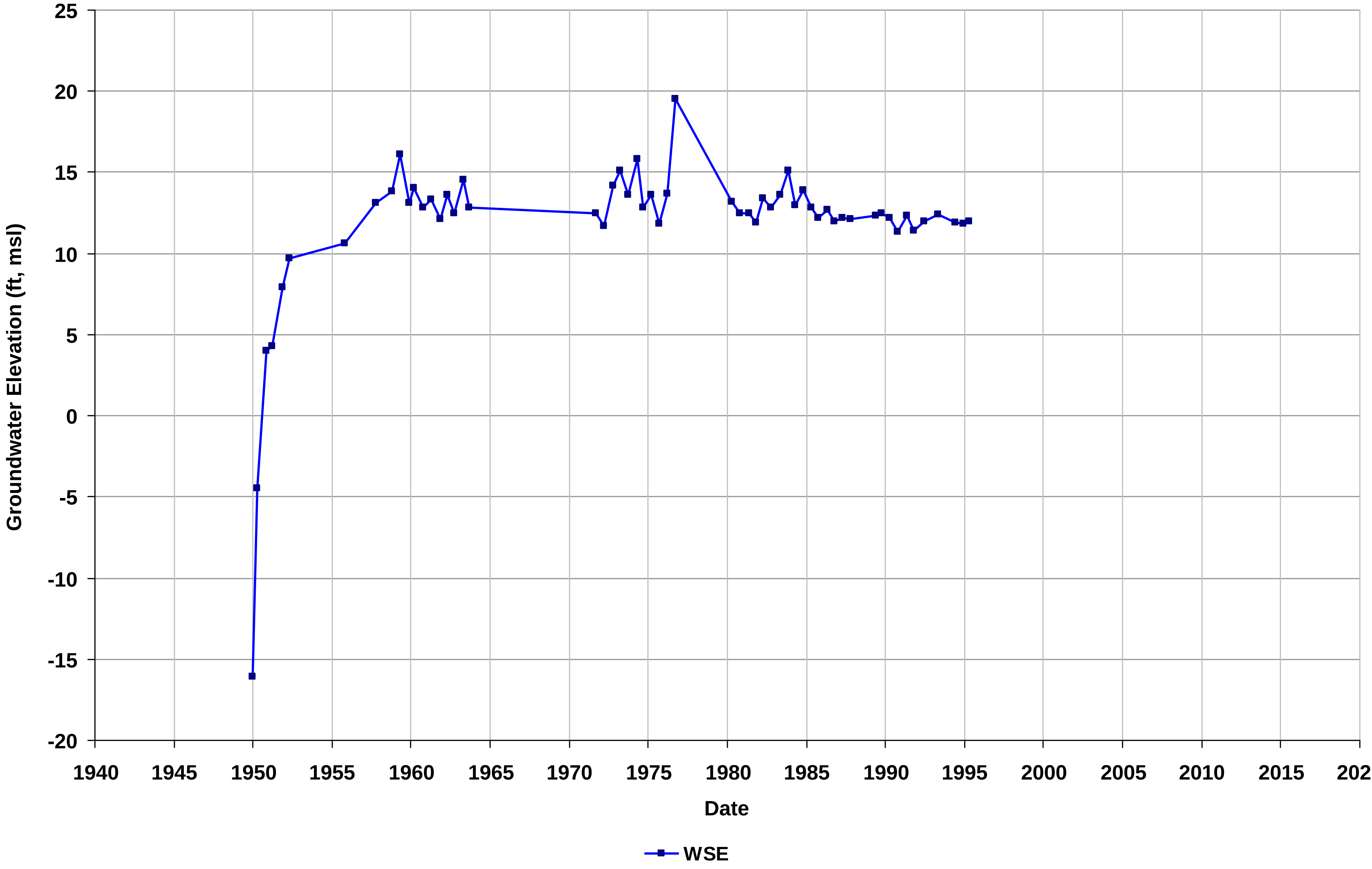
Well Name: 02S/03W-28G02
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/28
Well Use: Unknown



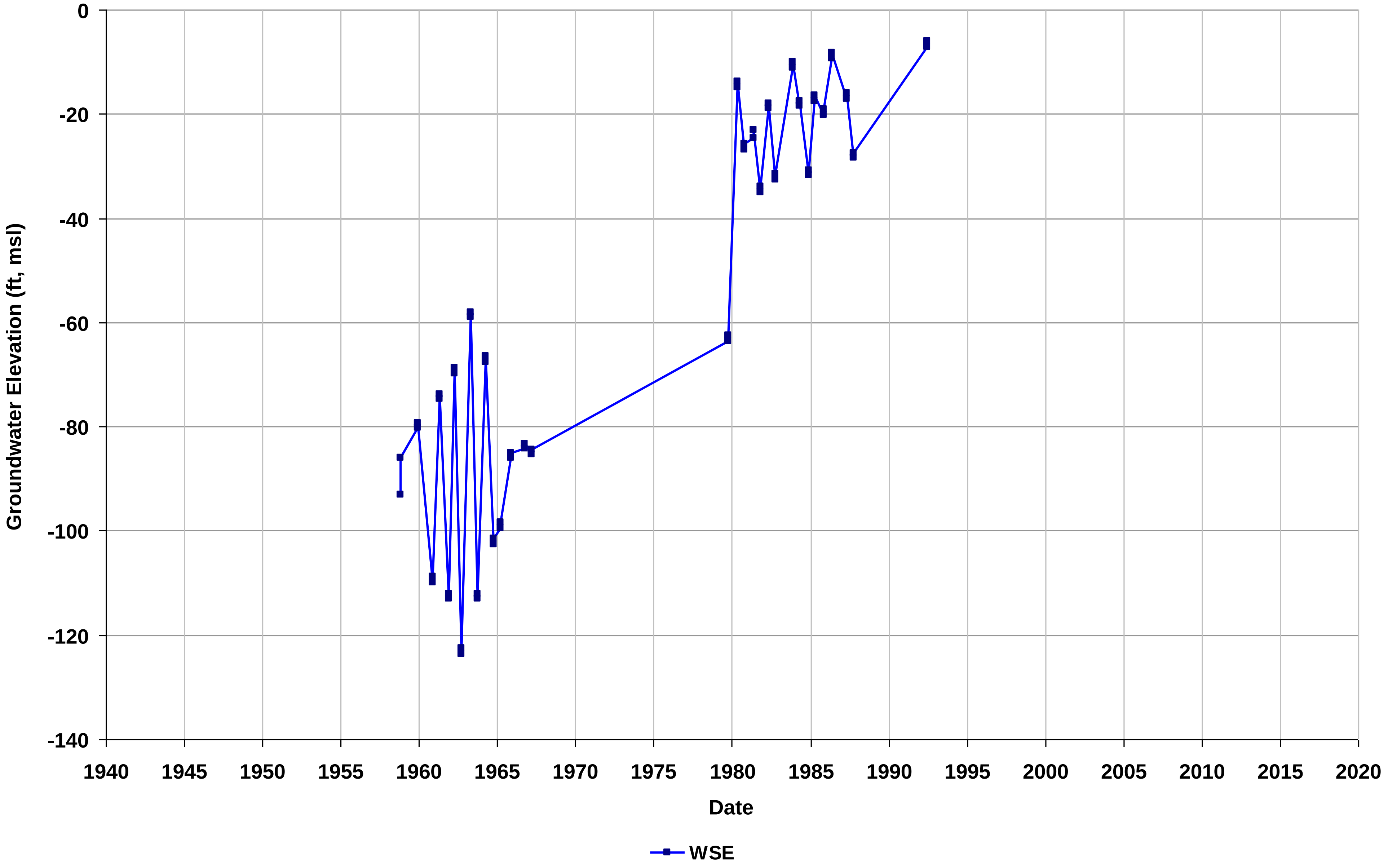
Well Name: 03S/02E-32E01
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/2W/32
Well Use: Unknown



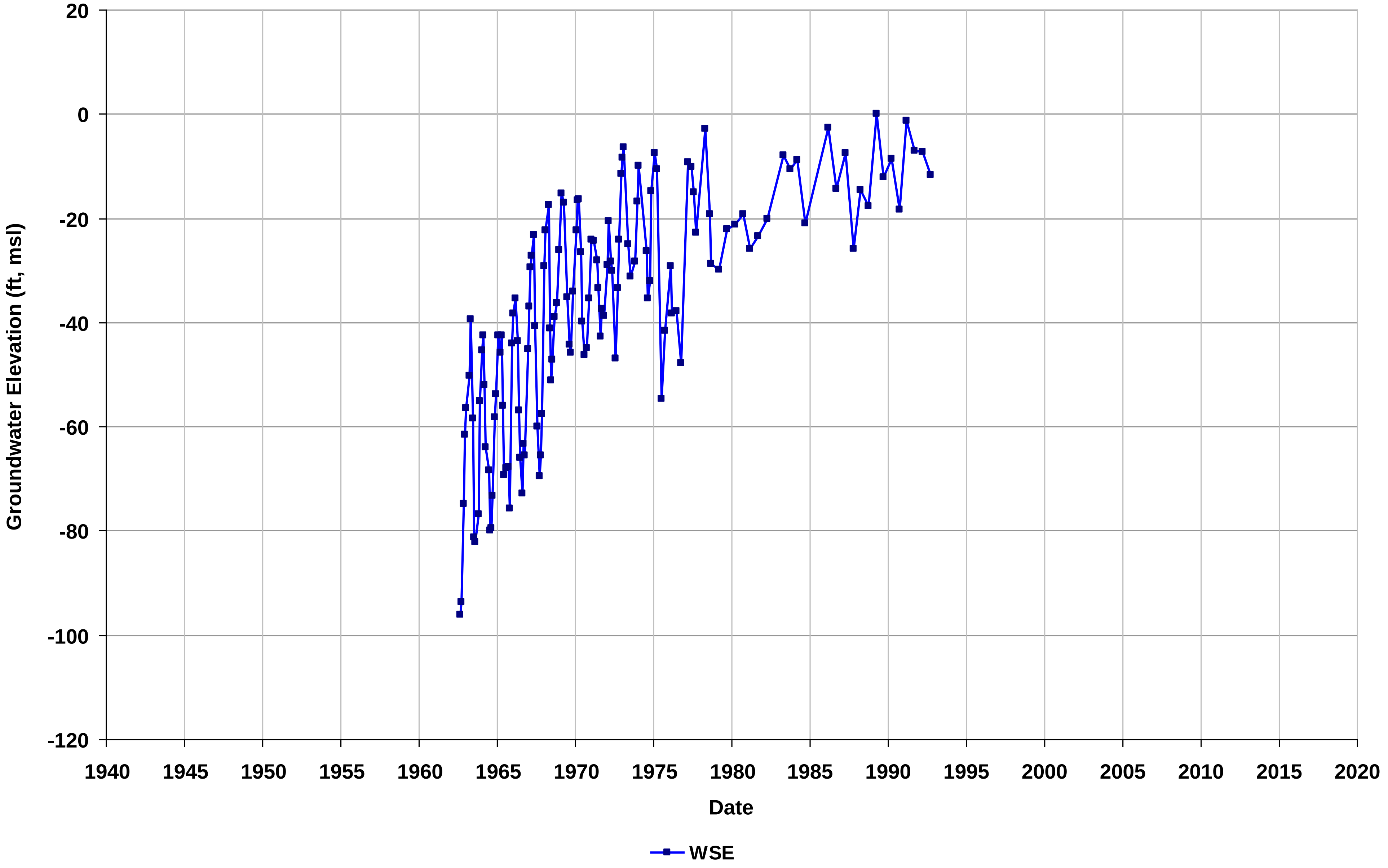
Well Name: 03S/02E-35R01
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/2W/35
Well Use: Unknown



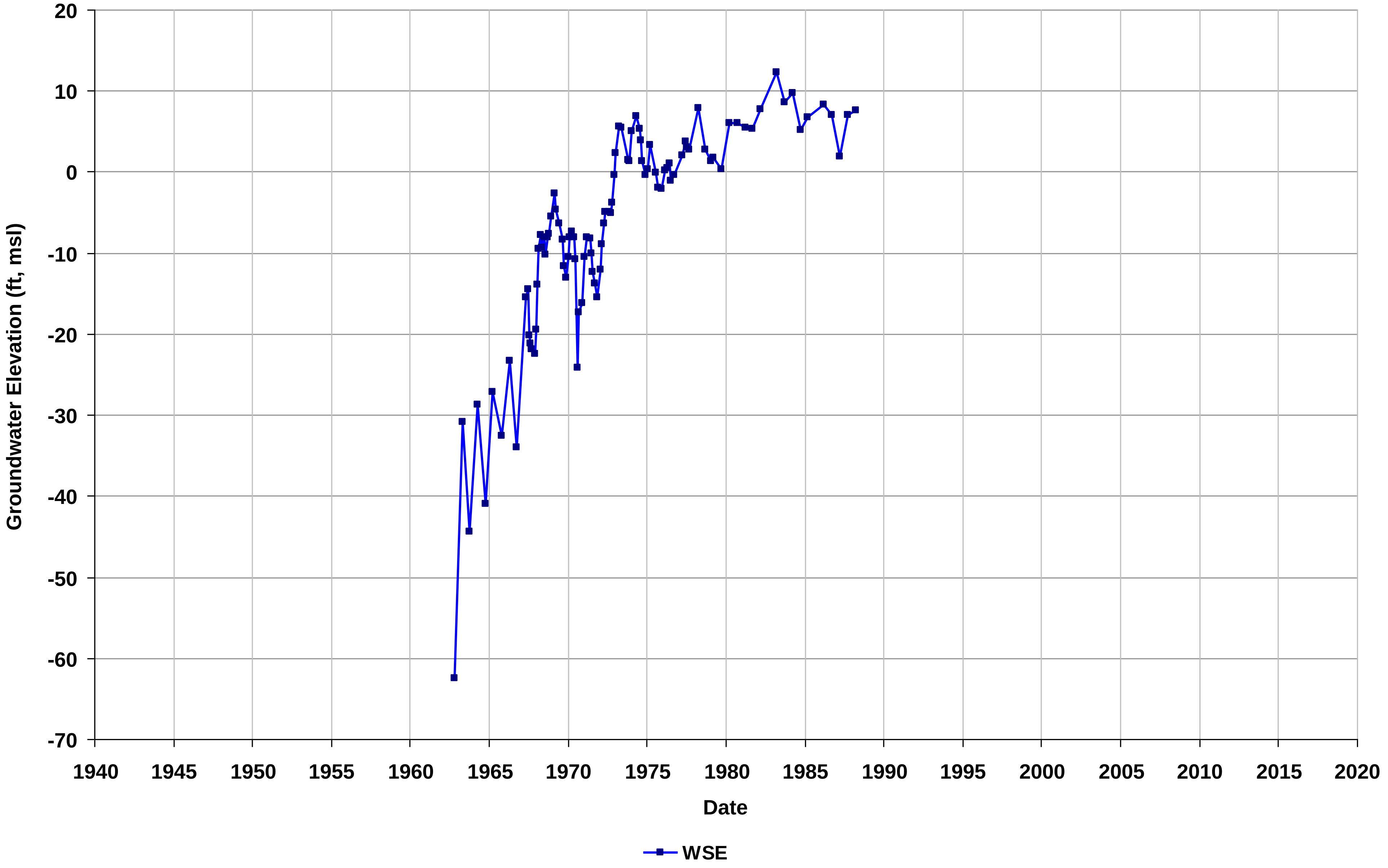
Well Name: 04S/01W-07G03
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/07
Well Use:



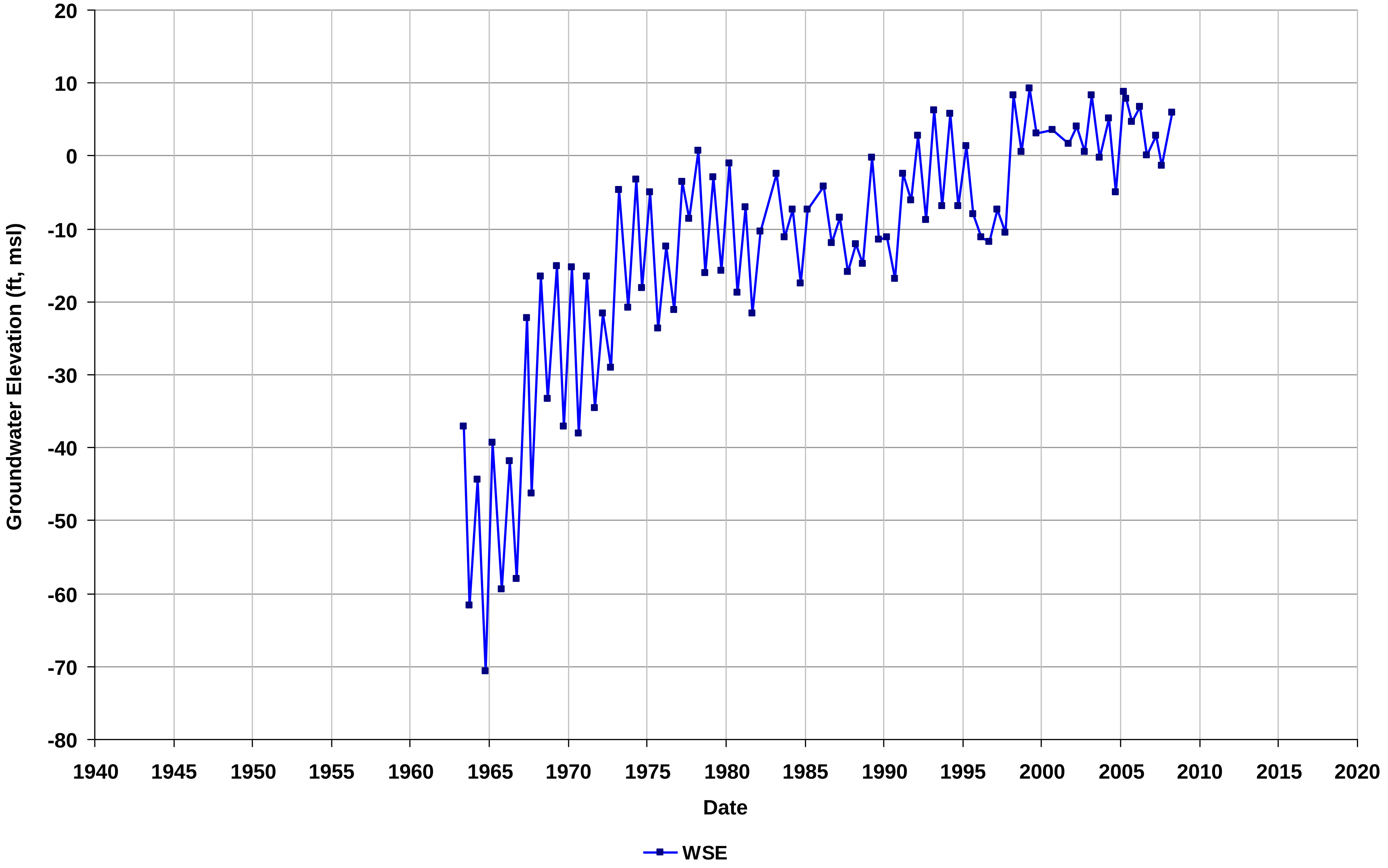
Well Name: 04S/01W-18H03
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/19
Well Use:



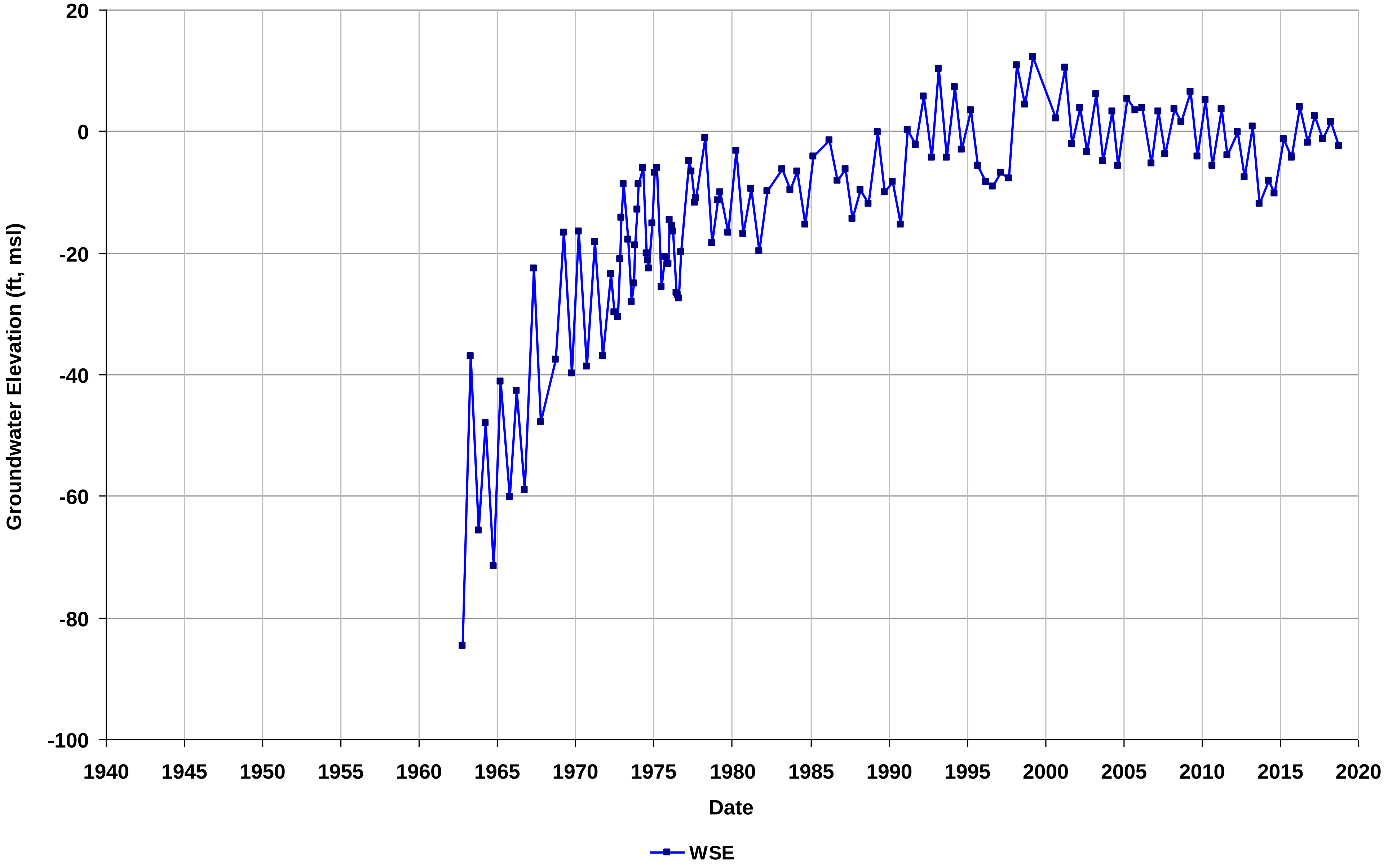
Well Name: 04S/01W-18M09
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/18
Well Use:



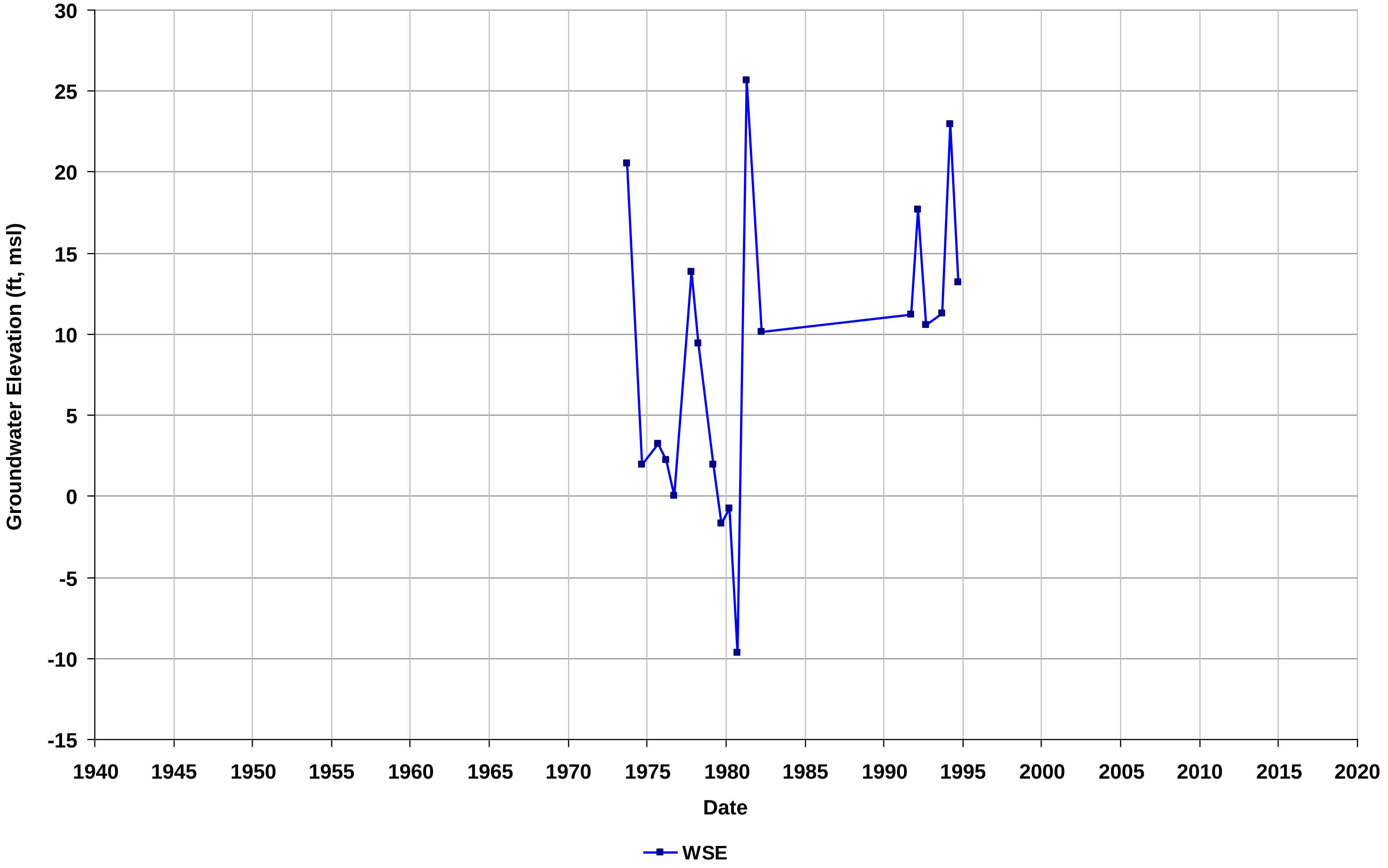
Well Name: 04S/01W-19N03
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/19
Well Use:



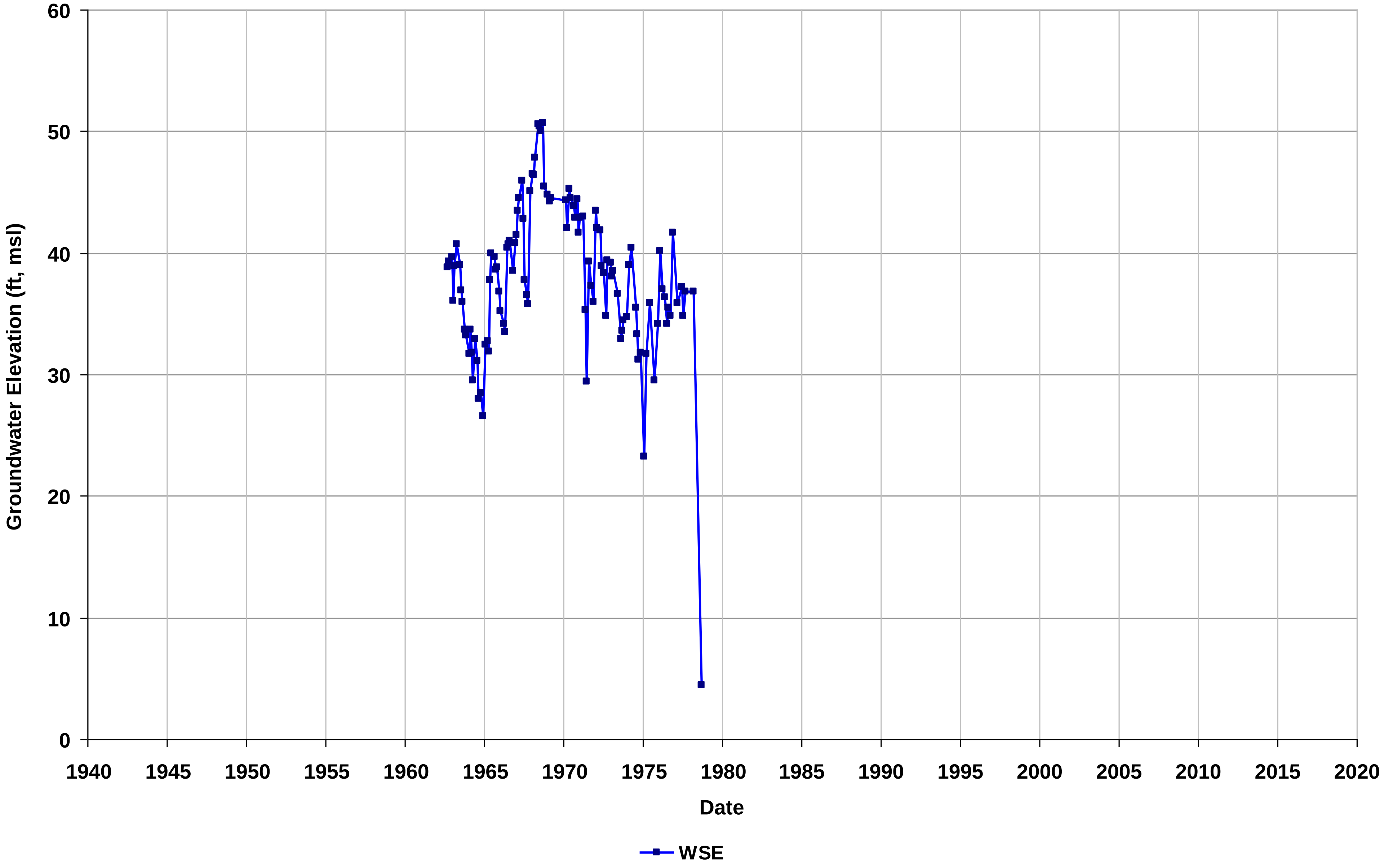
Well Name: 04S/01W-20A02
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/20
Well Use:



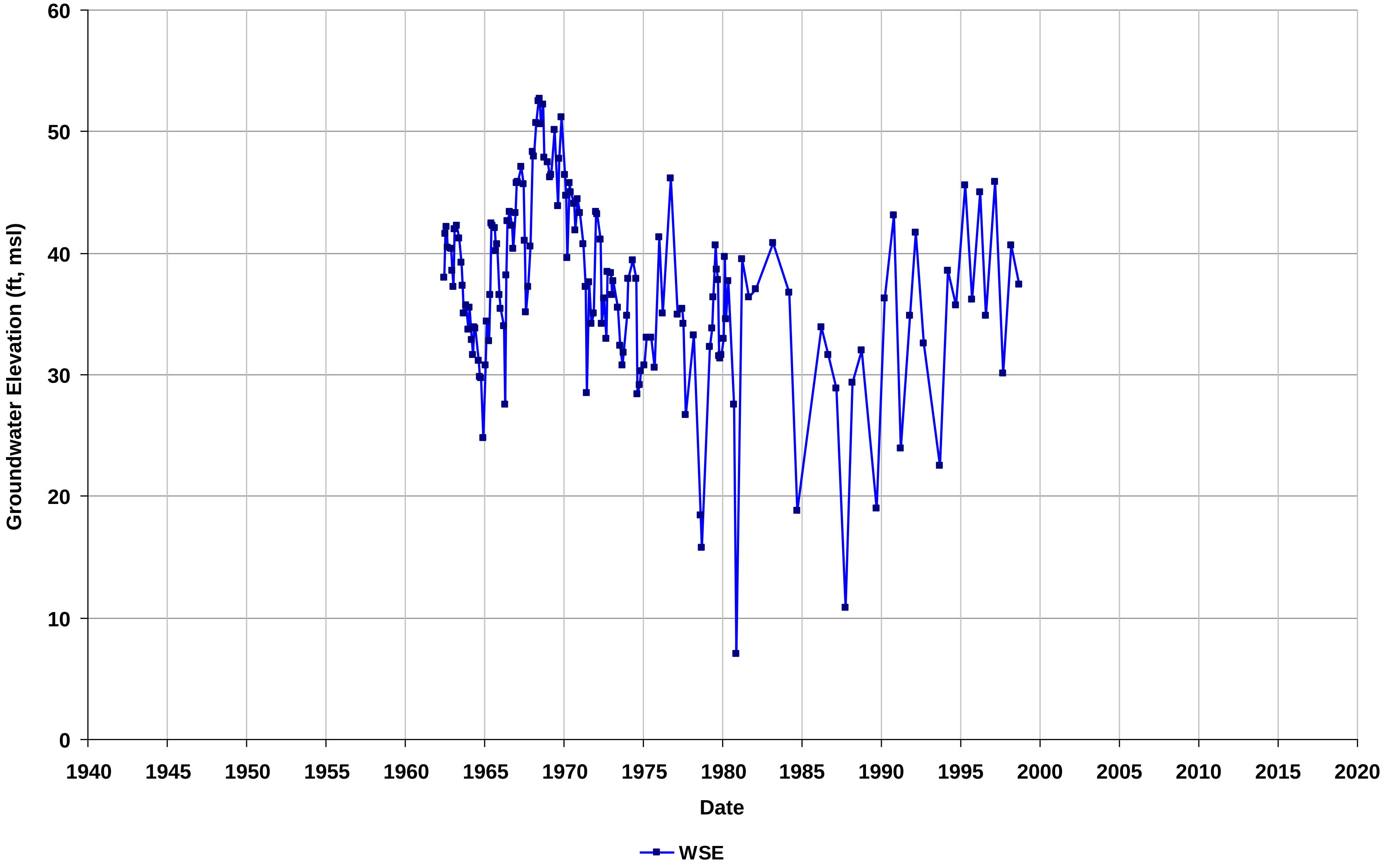
Well Name: 04S/01W-21E01
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/21
Well Use:



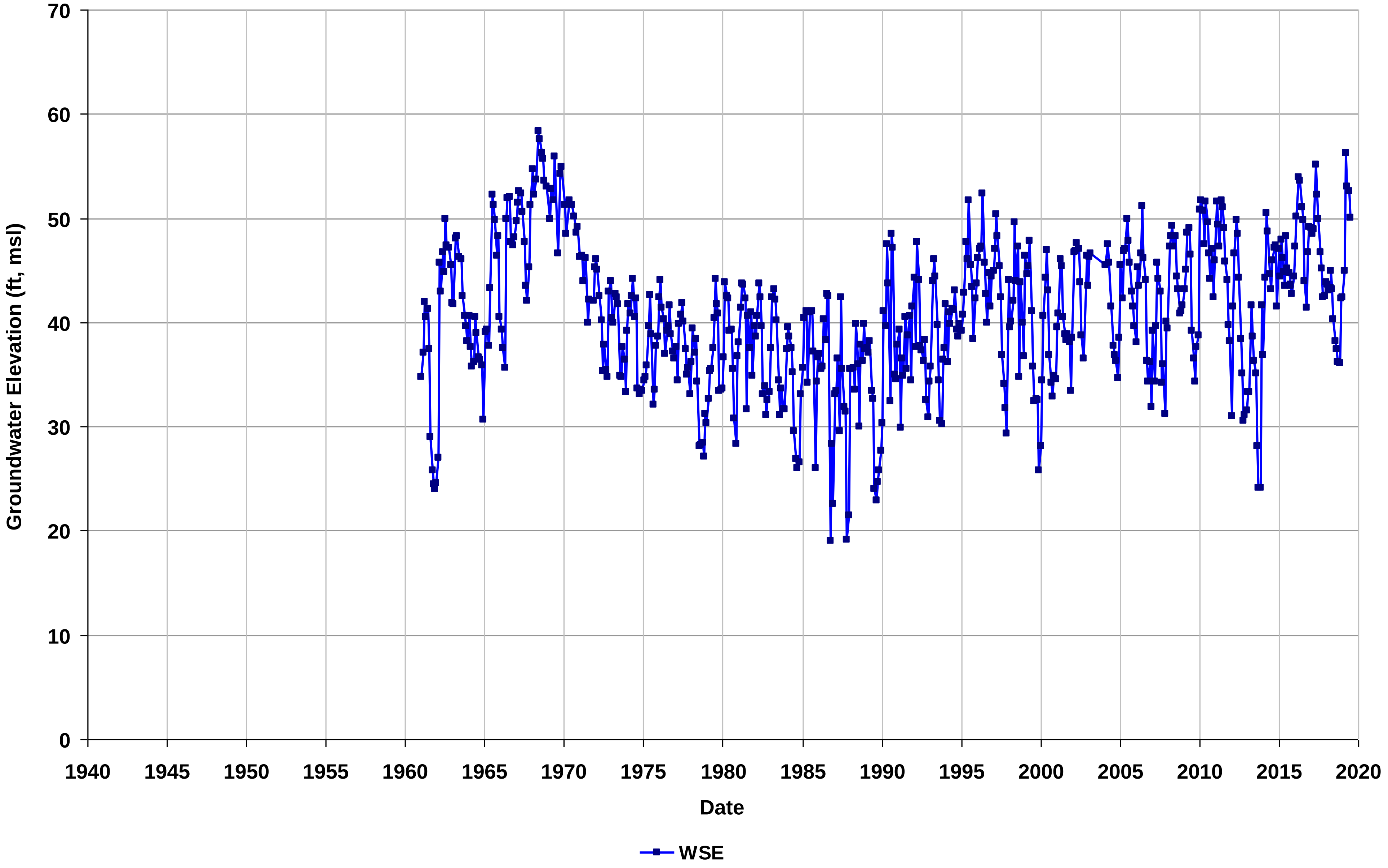
Well Name: 04S/01W-21F02
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/21
Well Use:



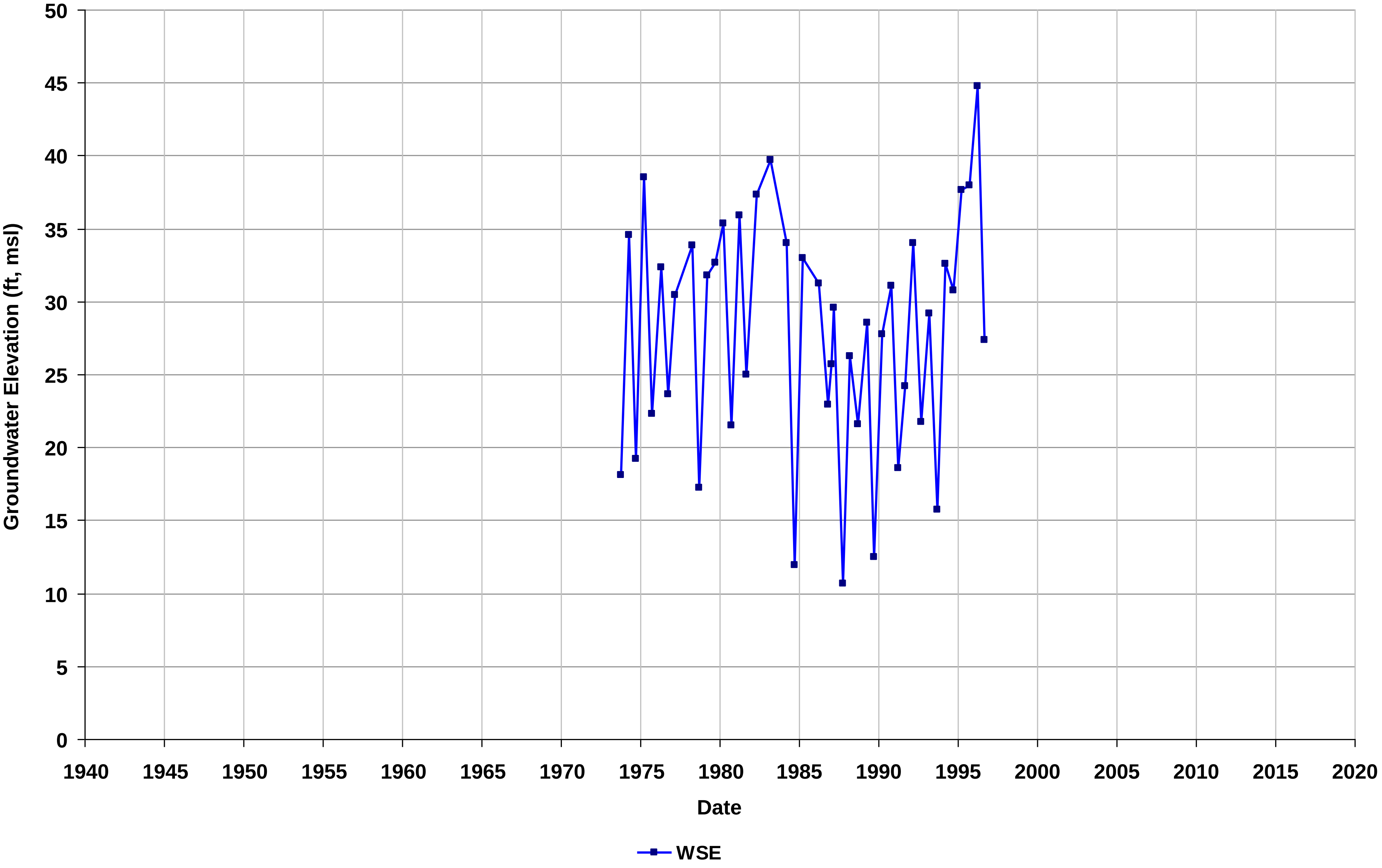
Well Name: 04S/01W-21H02
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/22
Well Use:



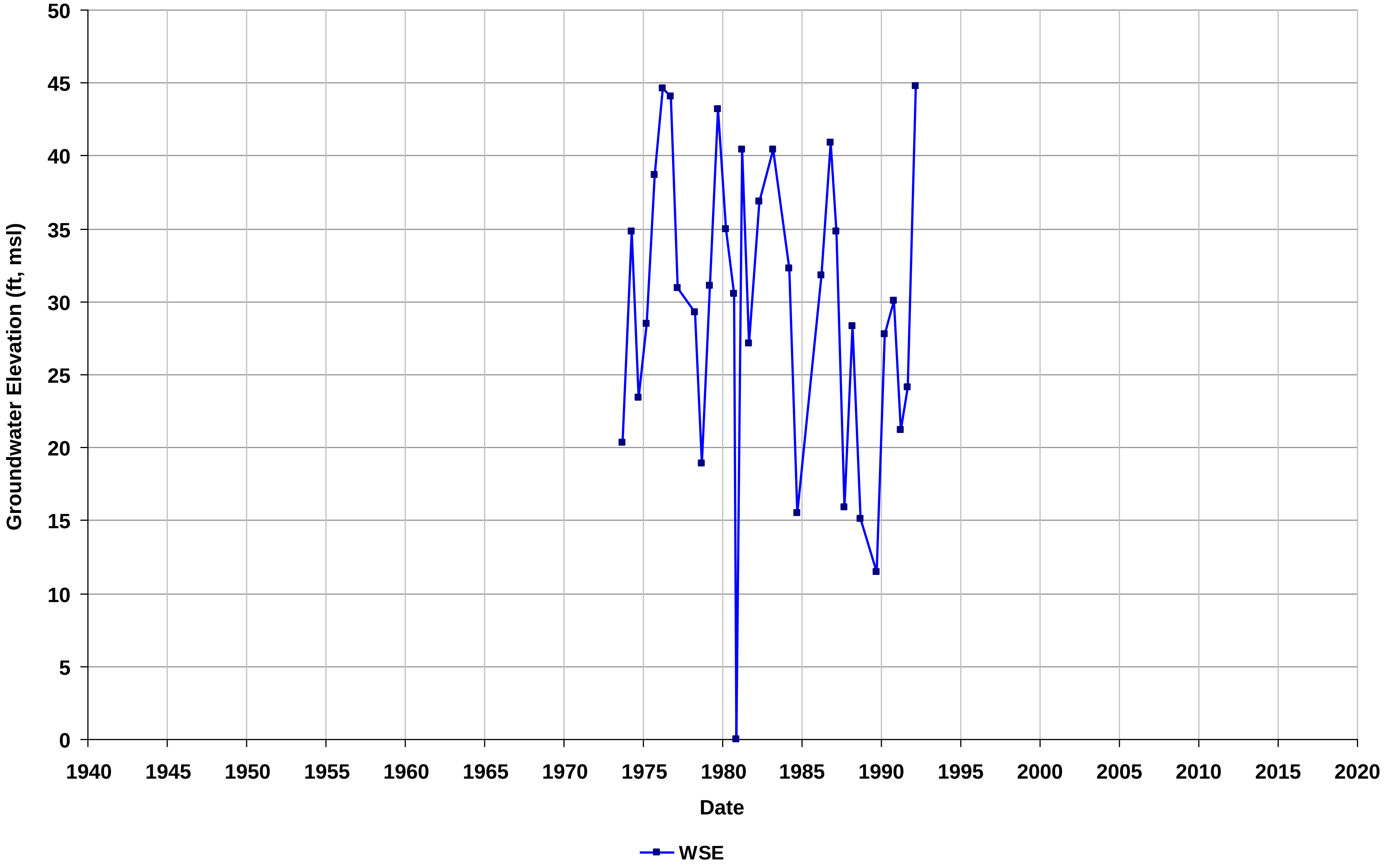
Well Name: 04S/01W-21R01
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/21
Well Use:



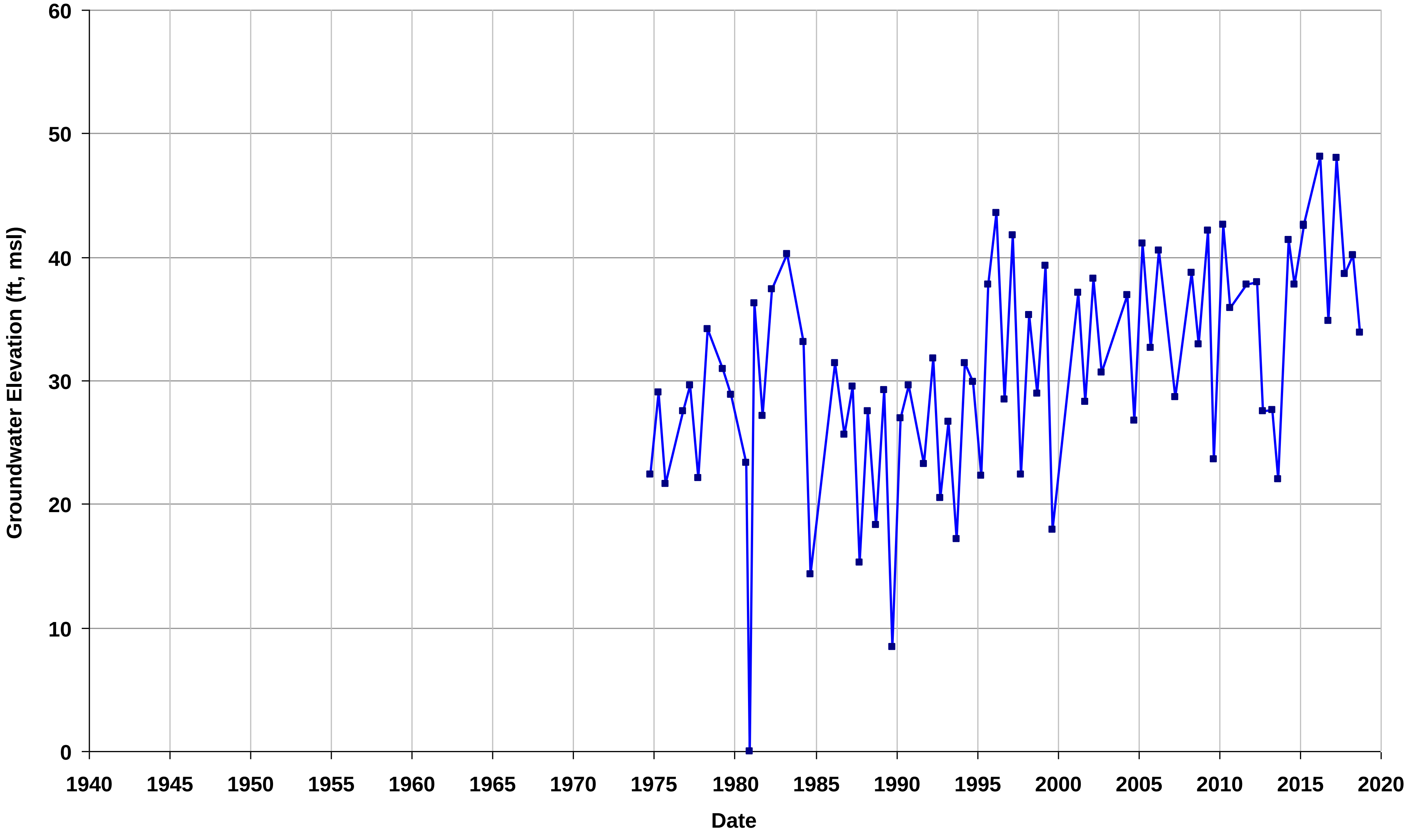
Well Name: 04S/01W-26P08
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/27
Well Use:



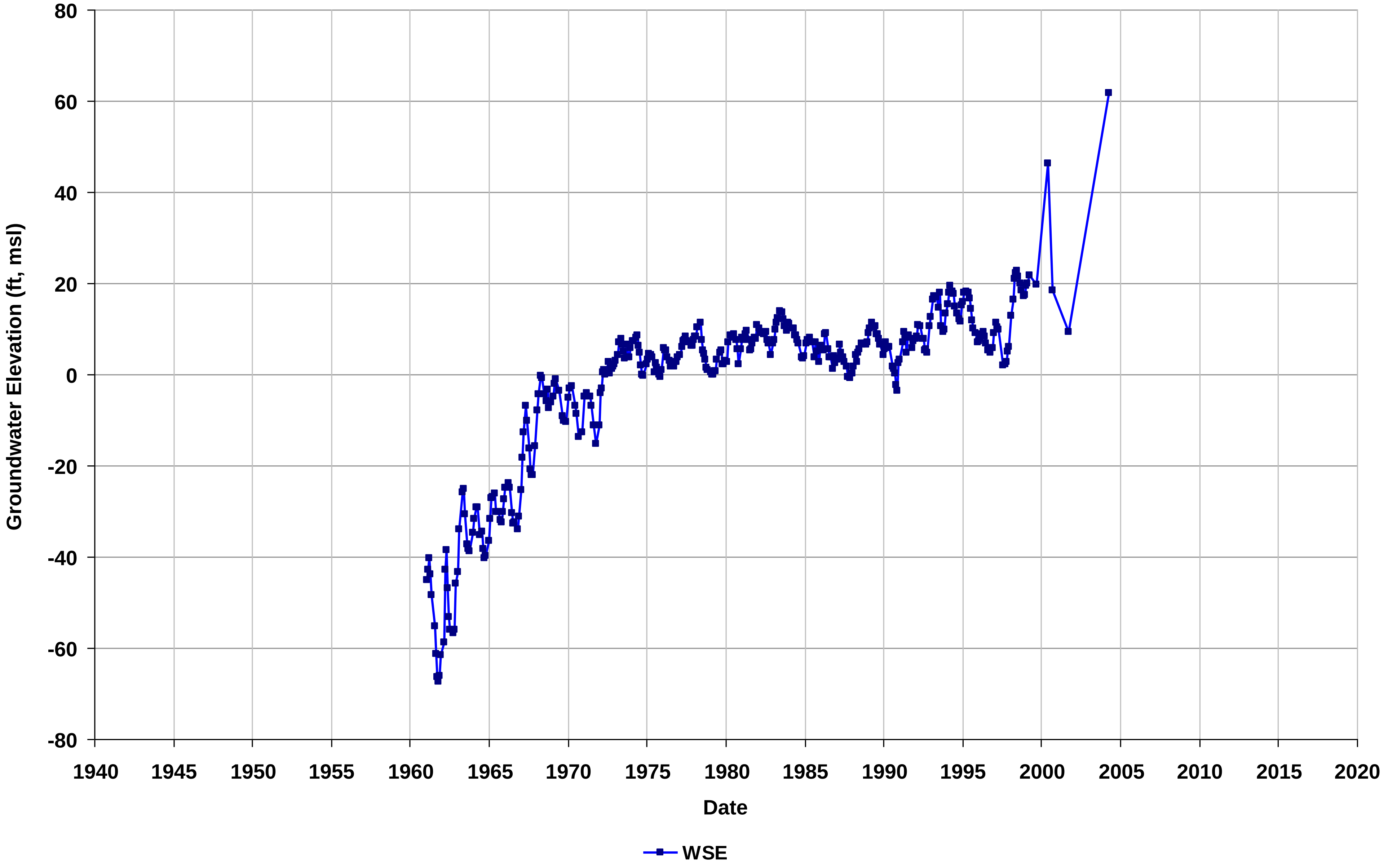
Well Name: 04S/01W-27P02
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/27
Well Use:



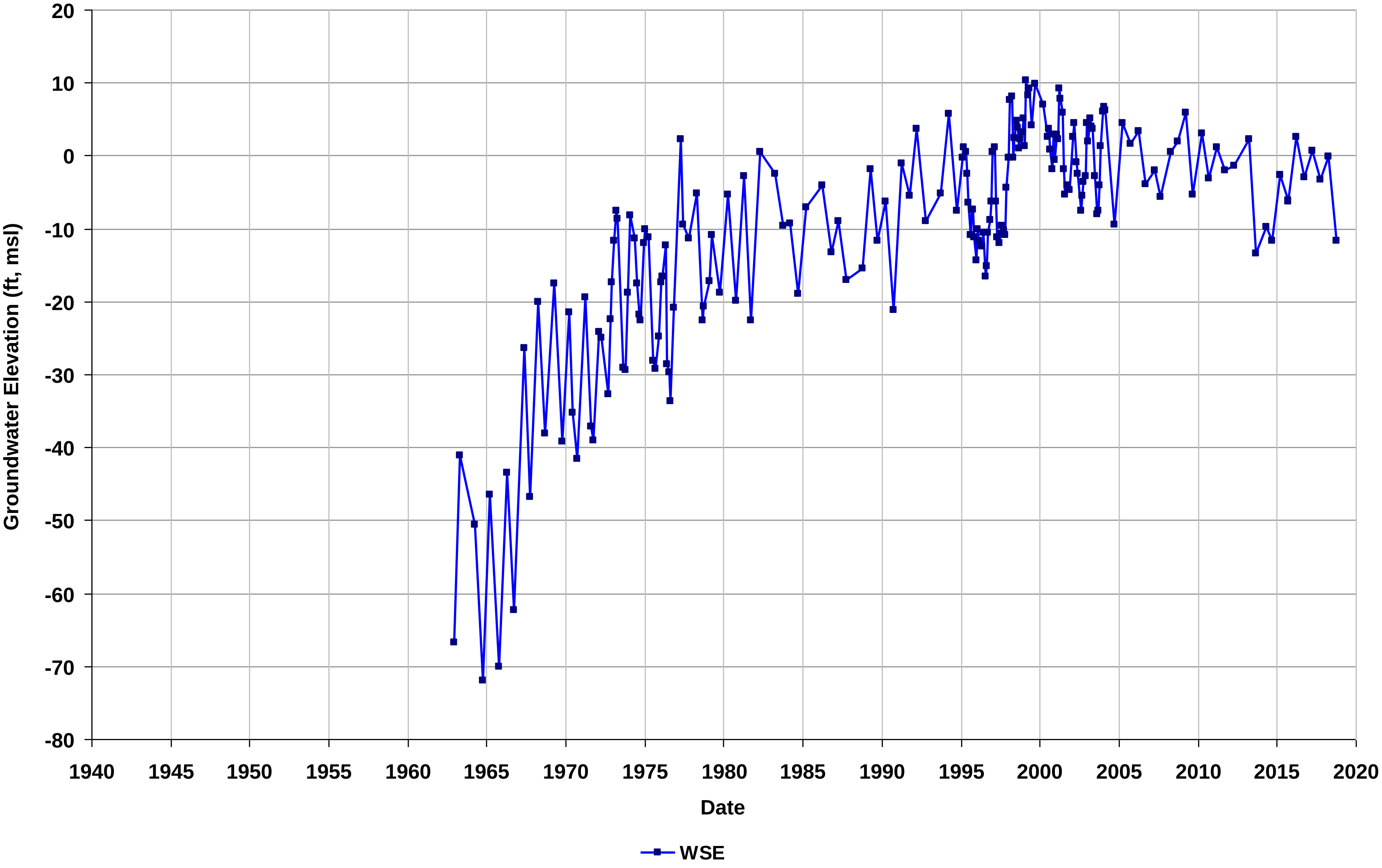
Well Name: 04S/01W-28D02
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/28
Well Use:



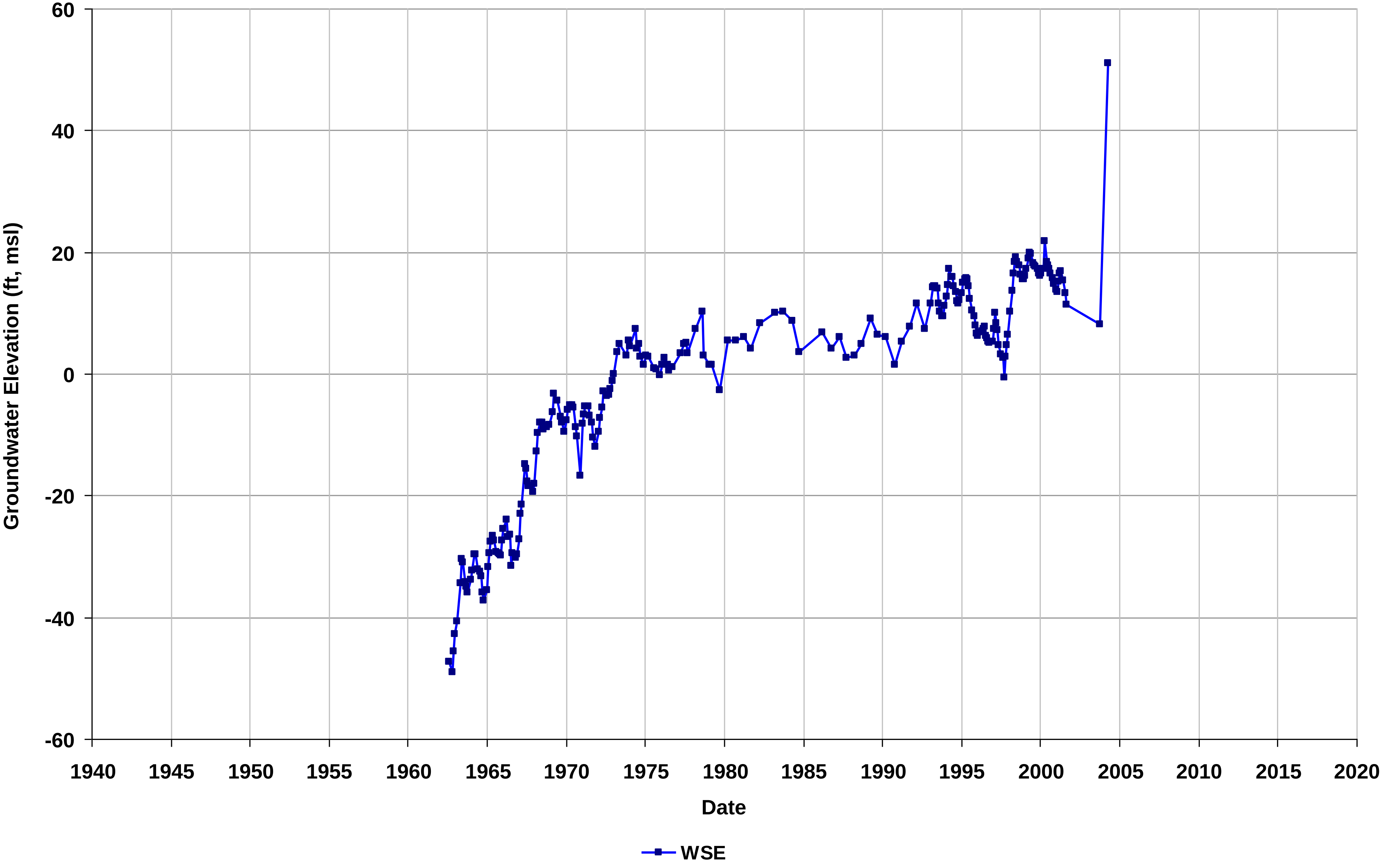
Well Name: 04S/01W-31J01
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/31
Well Use:



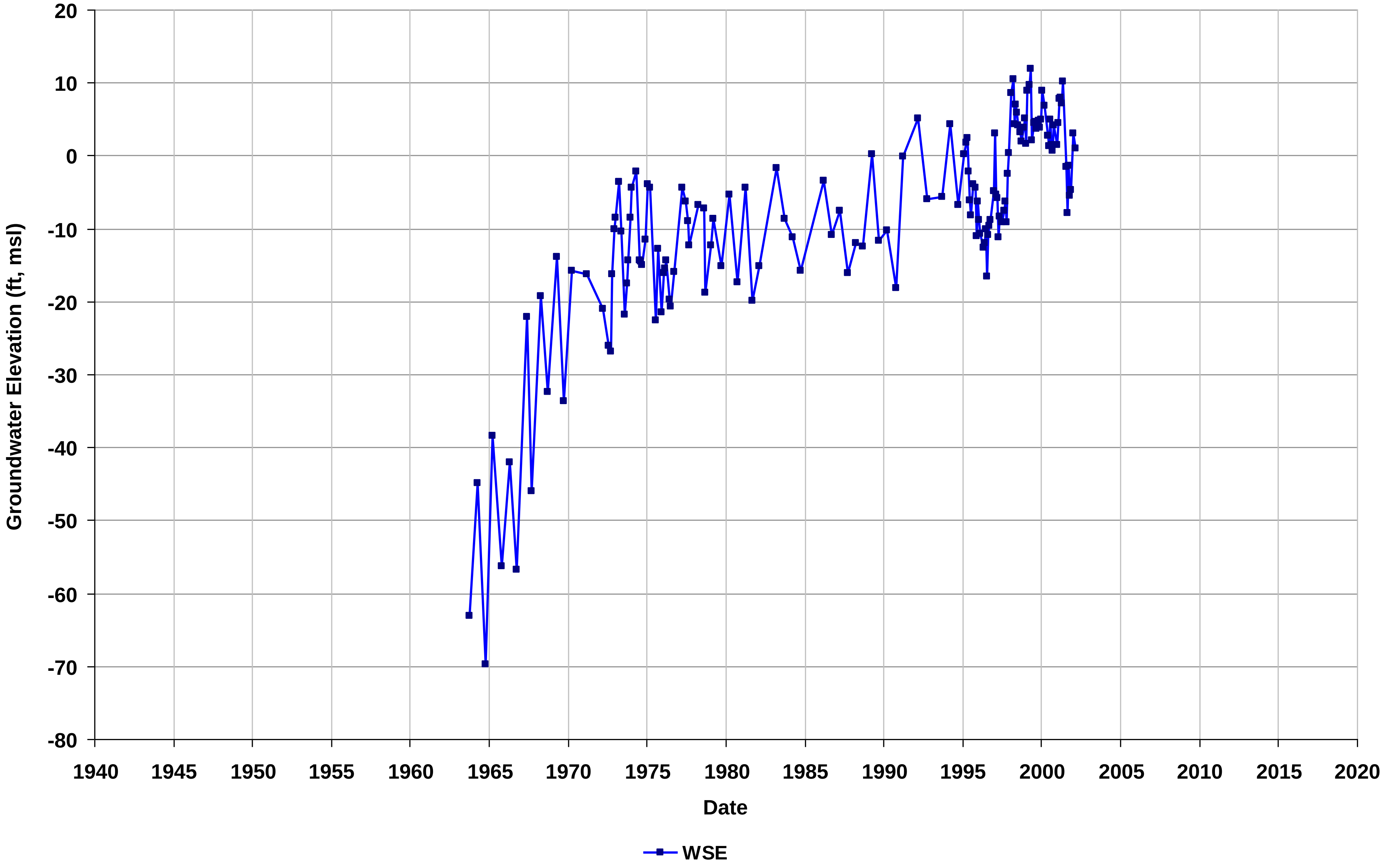
Well Name: 04S/01W-32A06
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/32
Well Use:



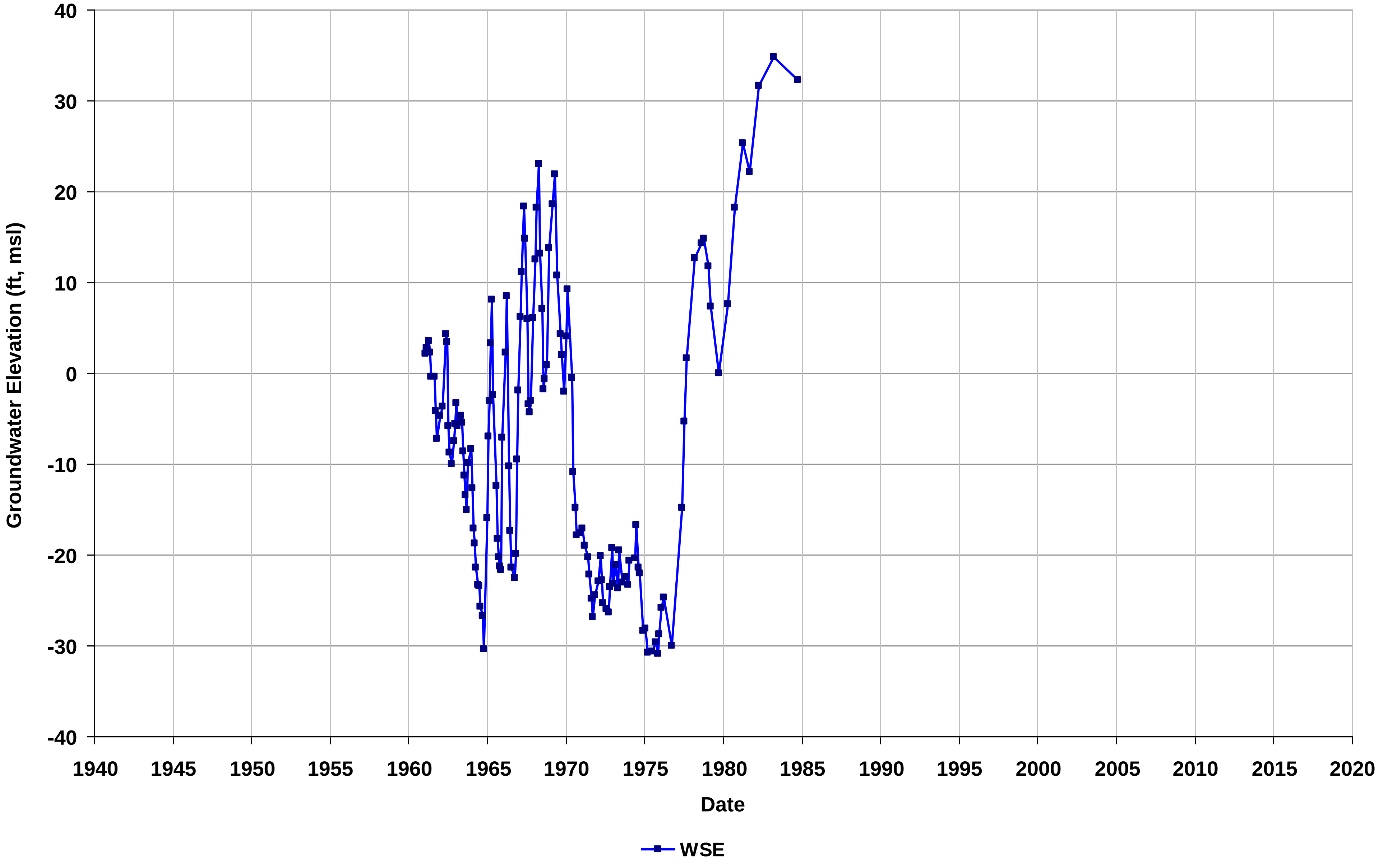
Well Name: 04S/01W-32K04
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/32
Well Use:



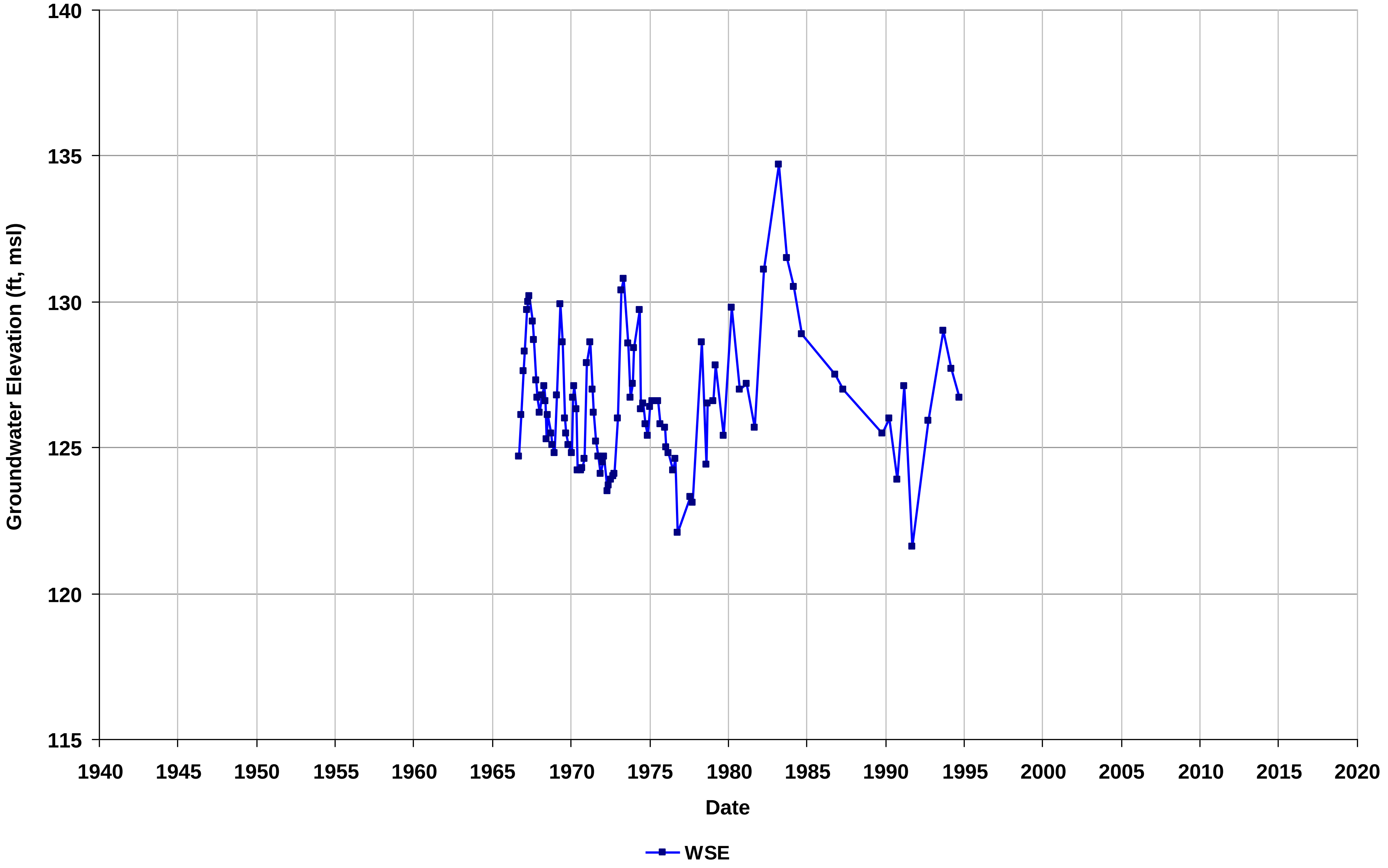
Well Name: 04S/01W-34R02
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 05S/01W/02
Well Use:



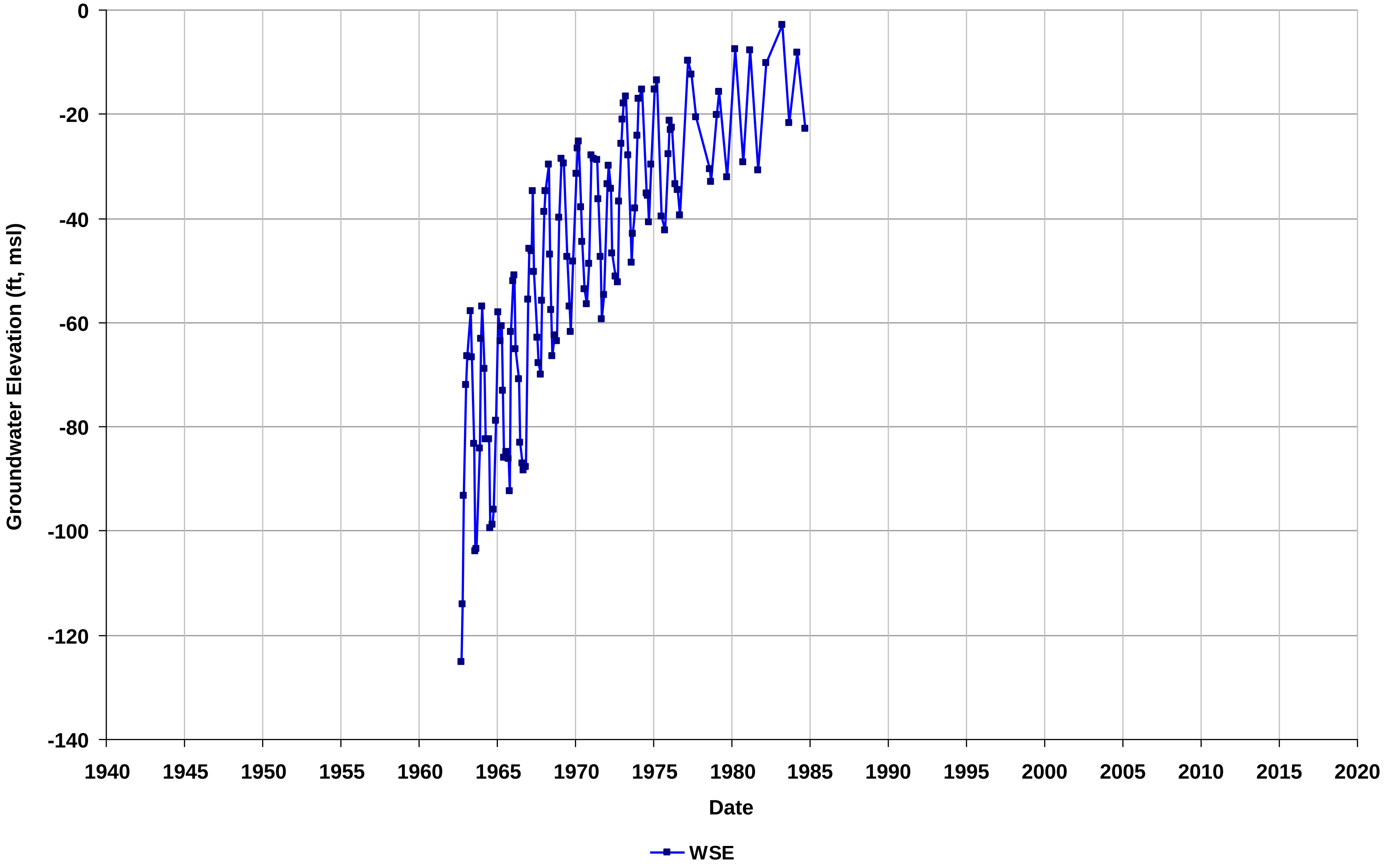
Well Name: 04S/01W-35J07
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/36
Well Use:



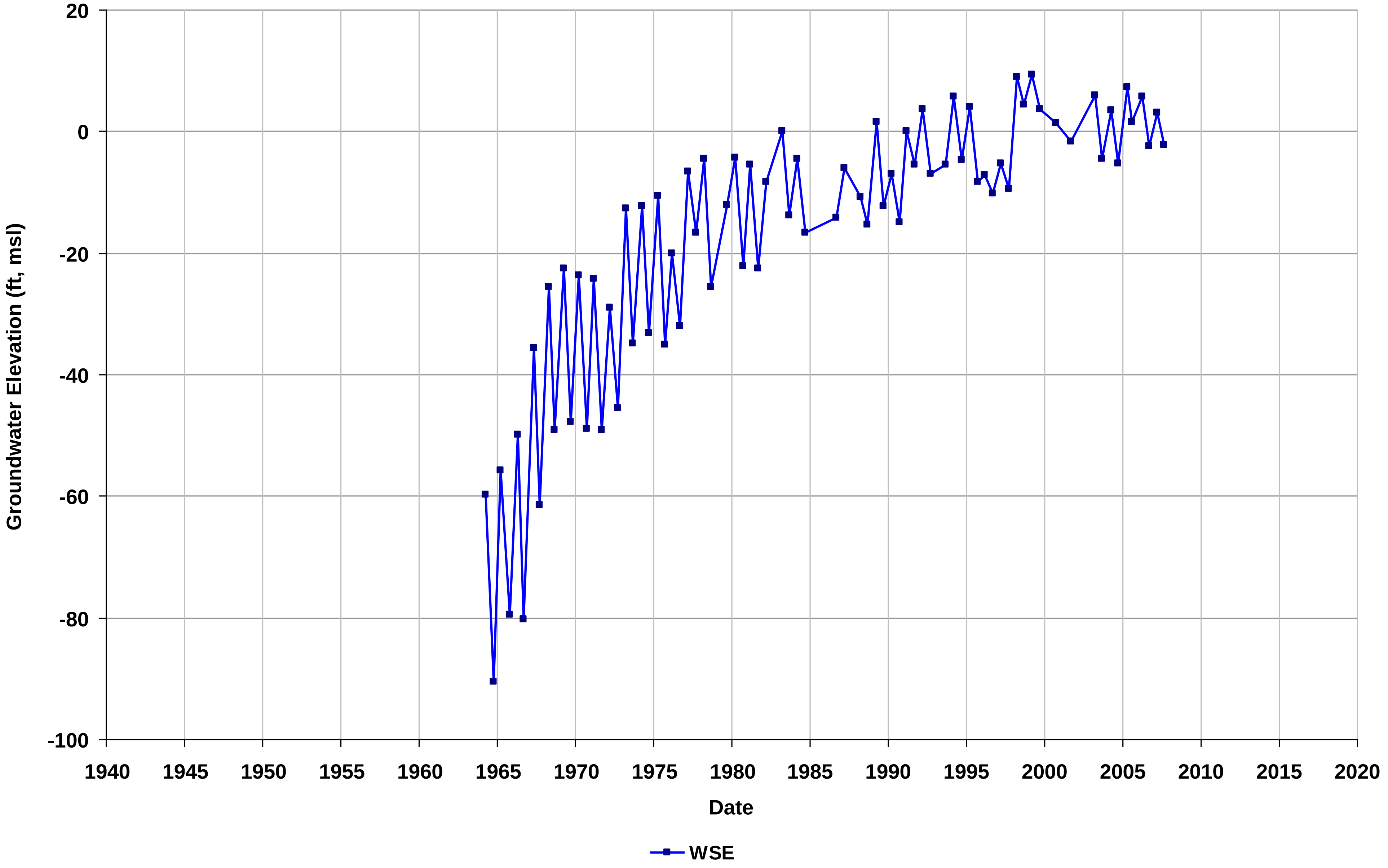
Well Name: 04S/02W-03G02
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/03
Well Use:



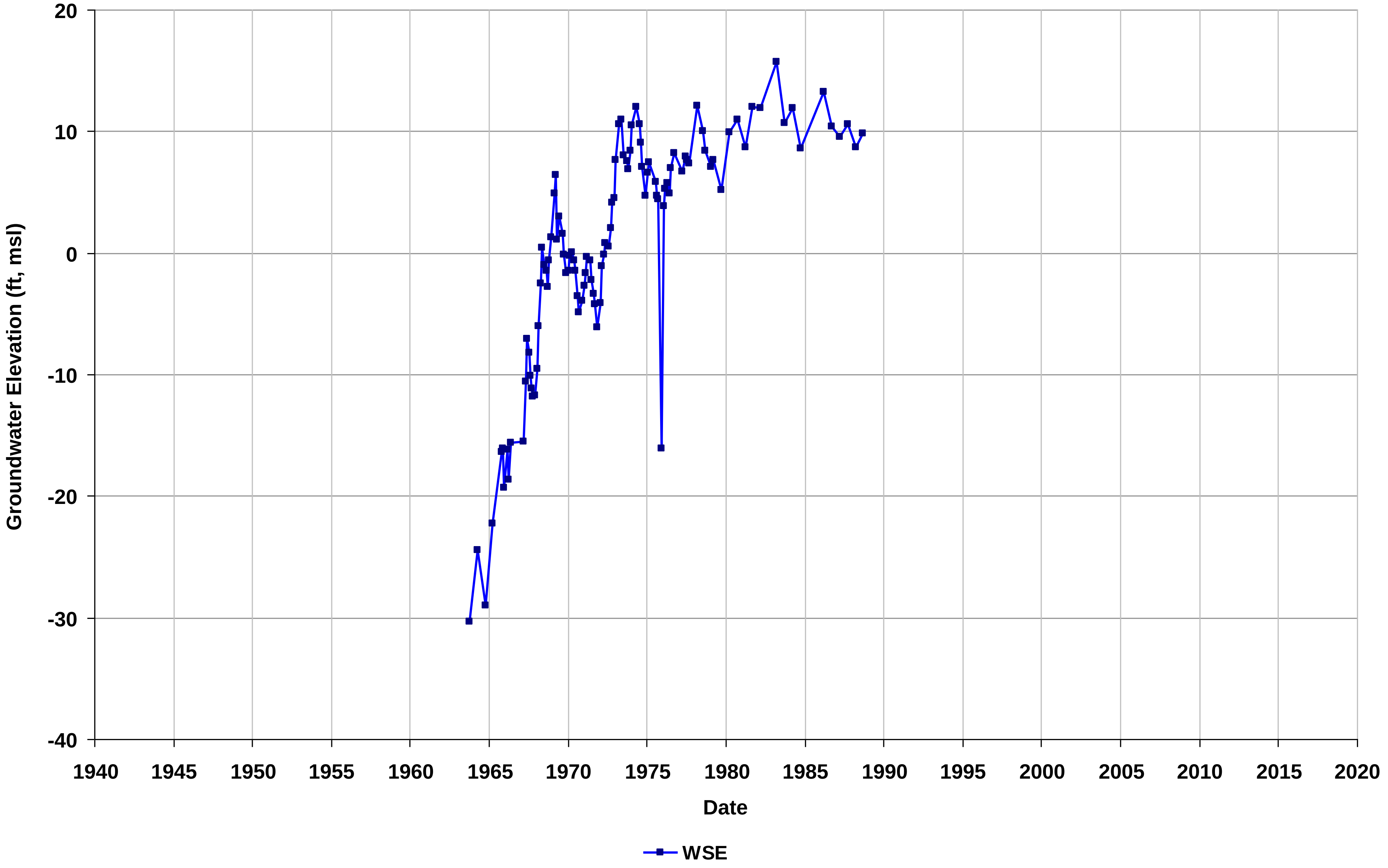
Well Name: 04S/02W-03K01
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/03
Well Use:



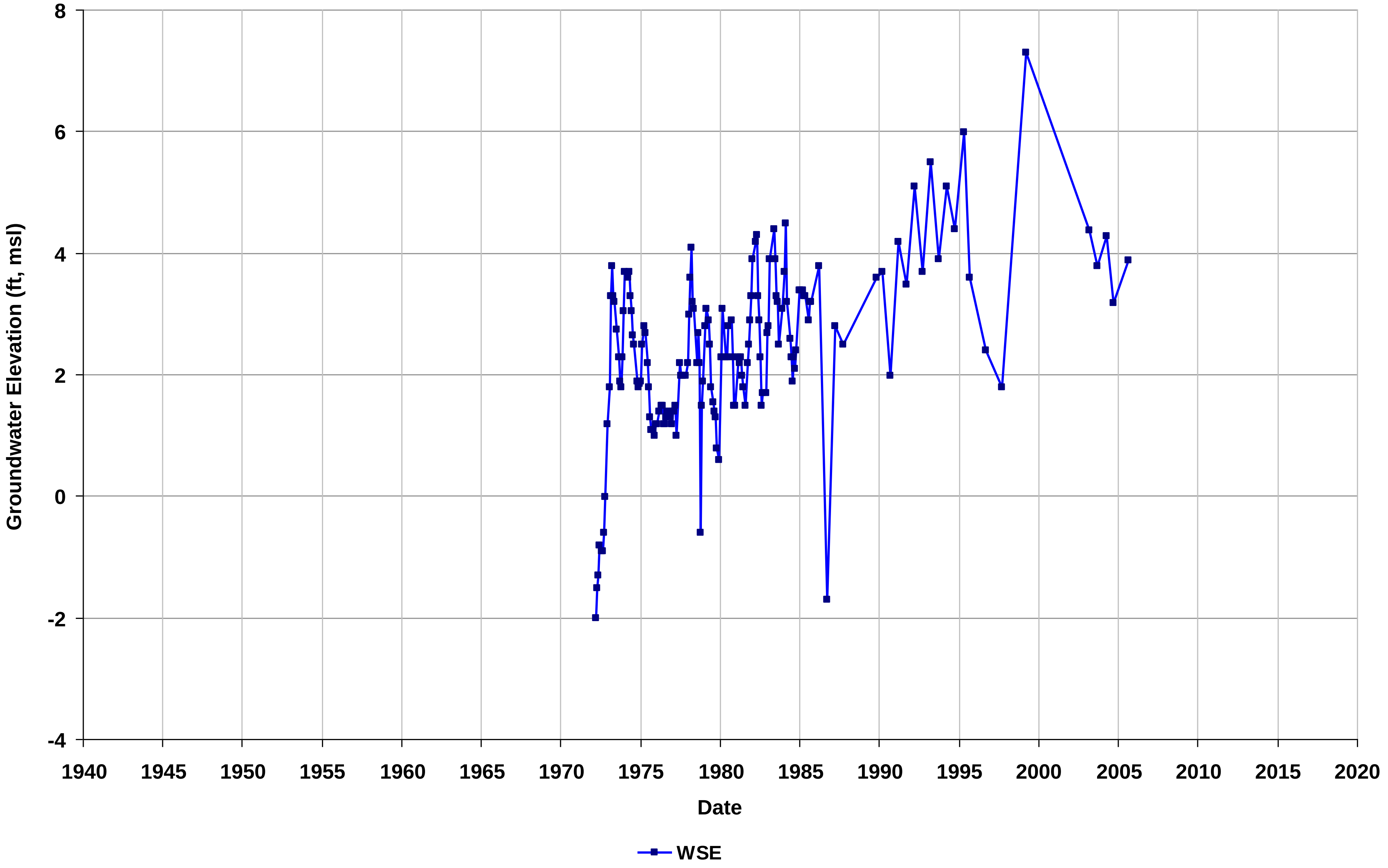
Well Name: 04S/02W-13E02
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/13
Well Use:



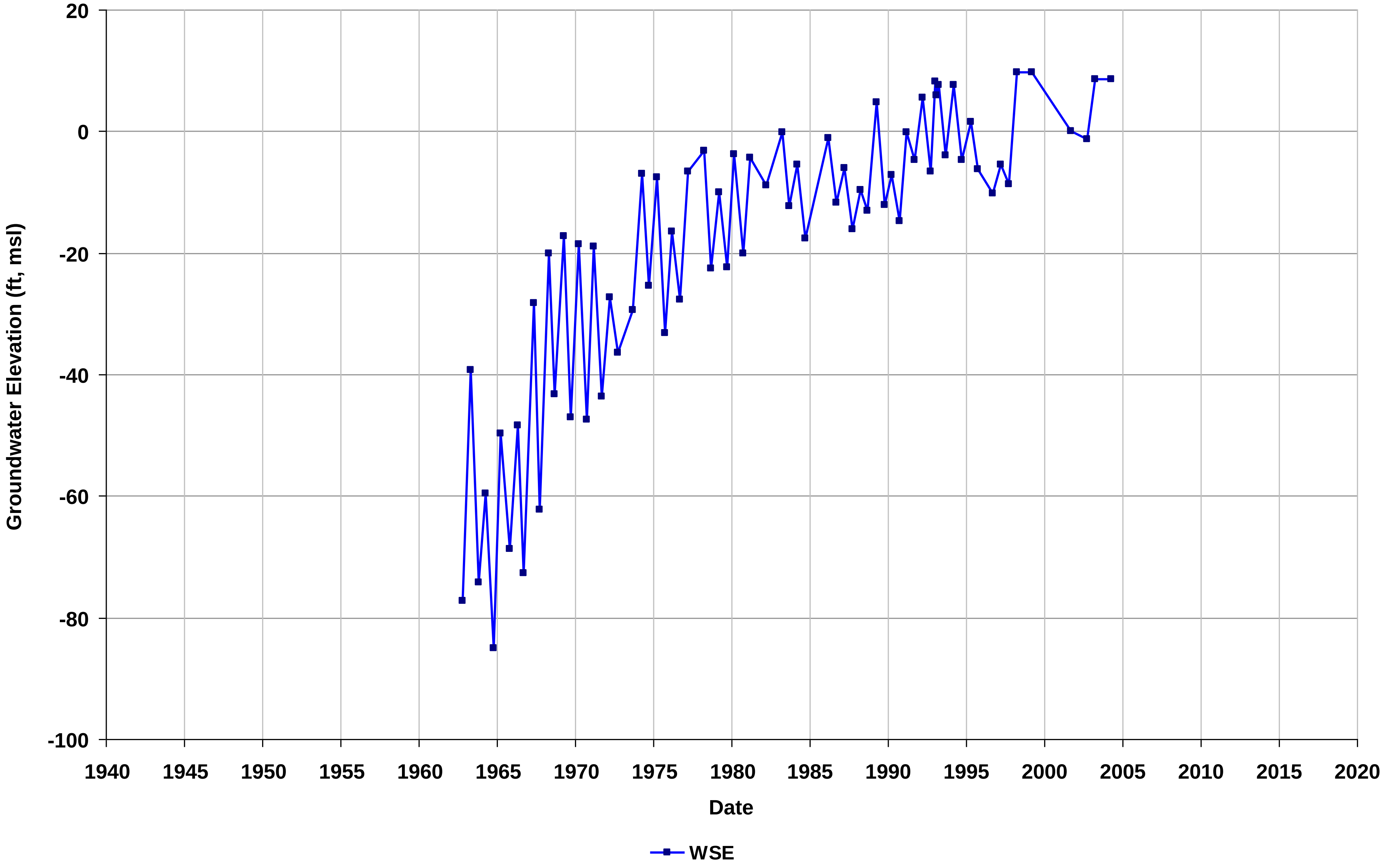
Well Name: 04S/02W-20J01
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/20
Well Use:



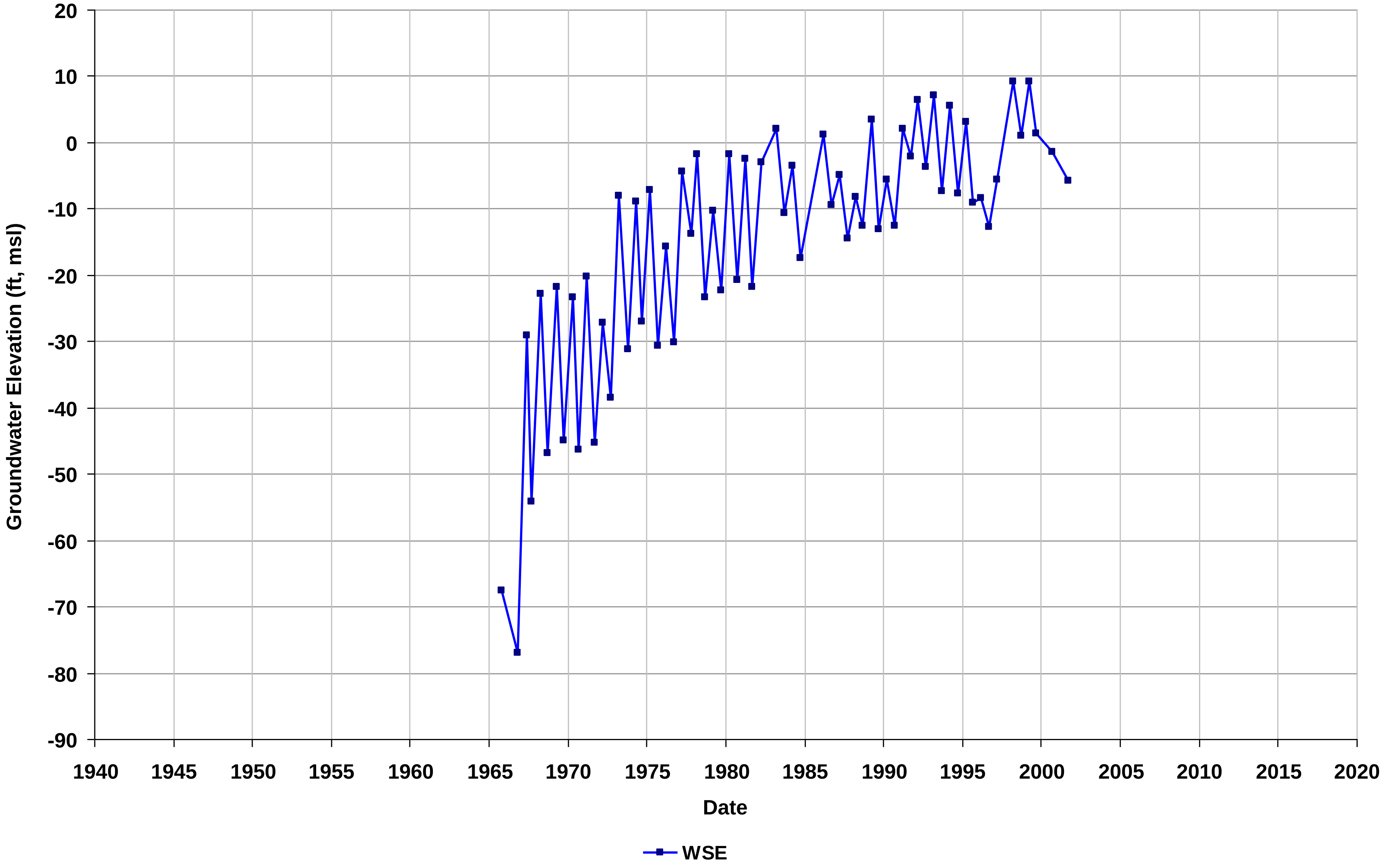
Well Name: 04S/02W-21G02
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/21
Well Use:



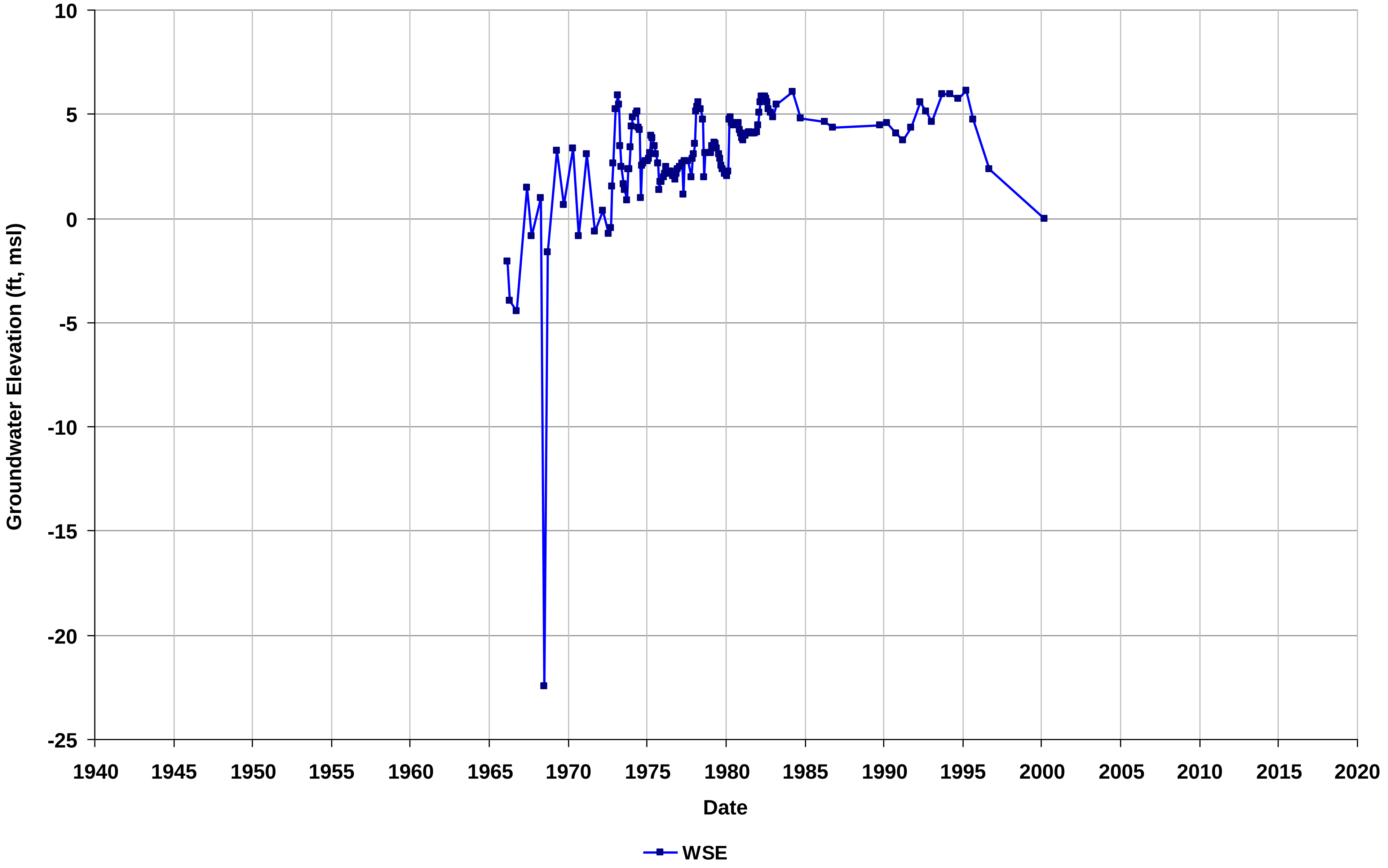
Well Name: 04S/02W-27B02
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/27
Well Use:



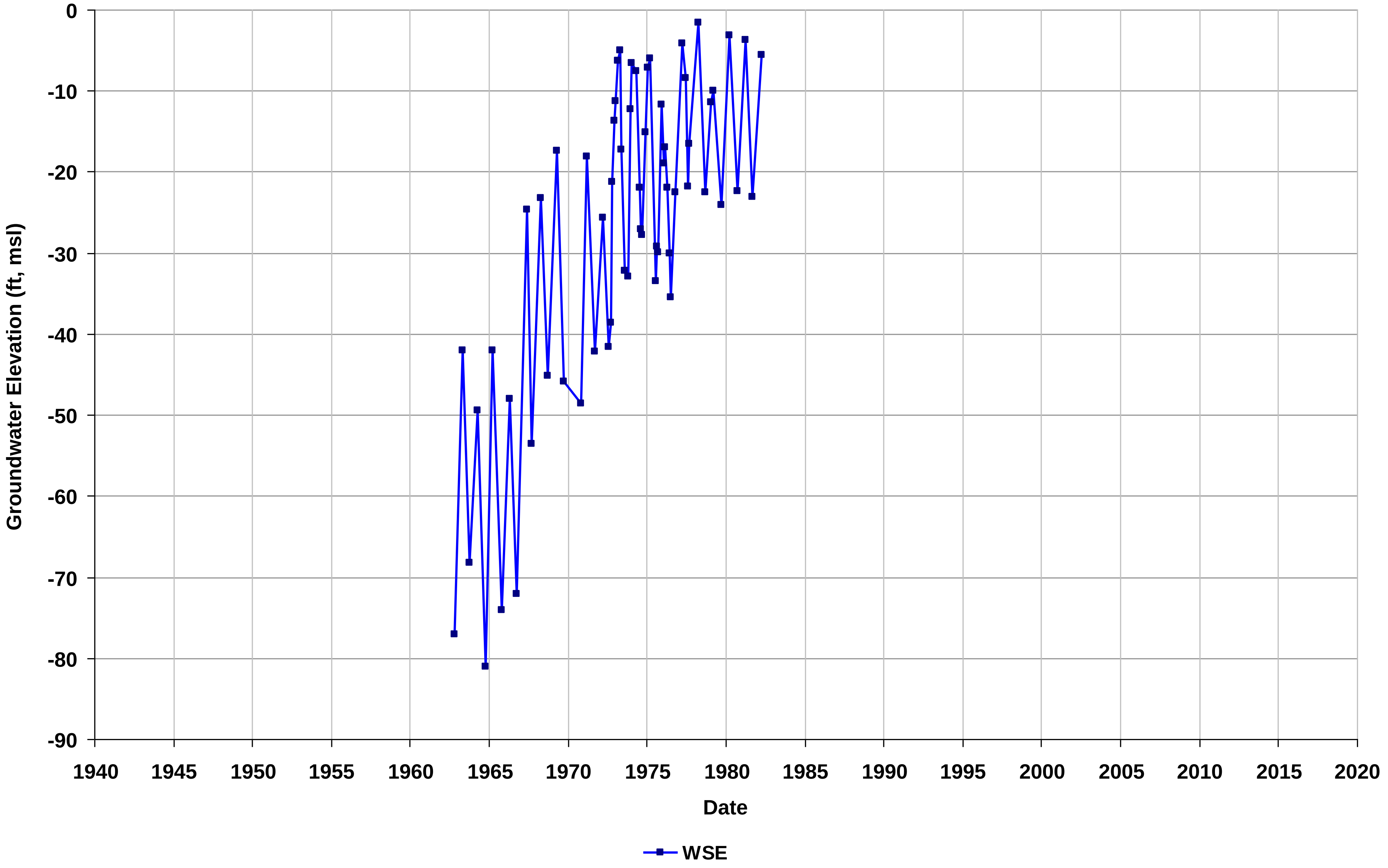
Well Name: 04S/02W-34F01
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/27
Well Use:



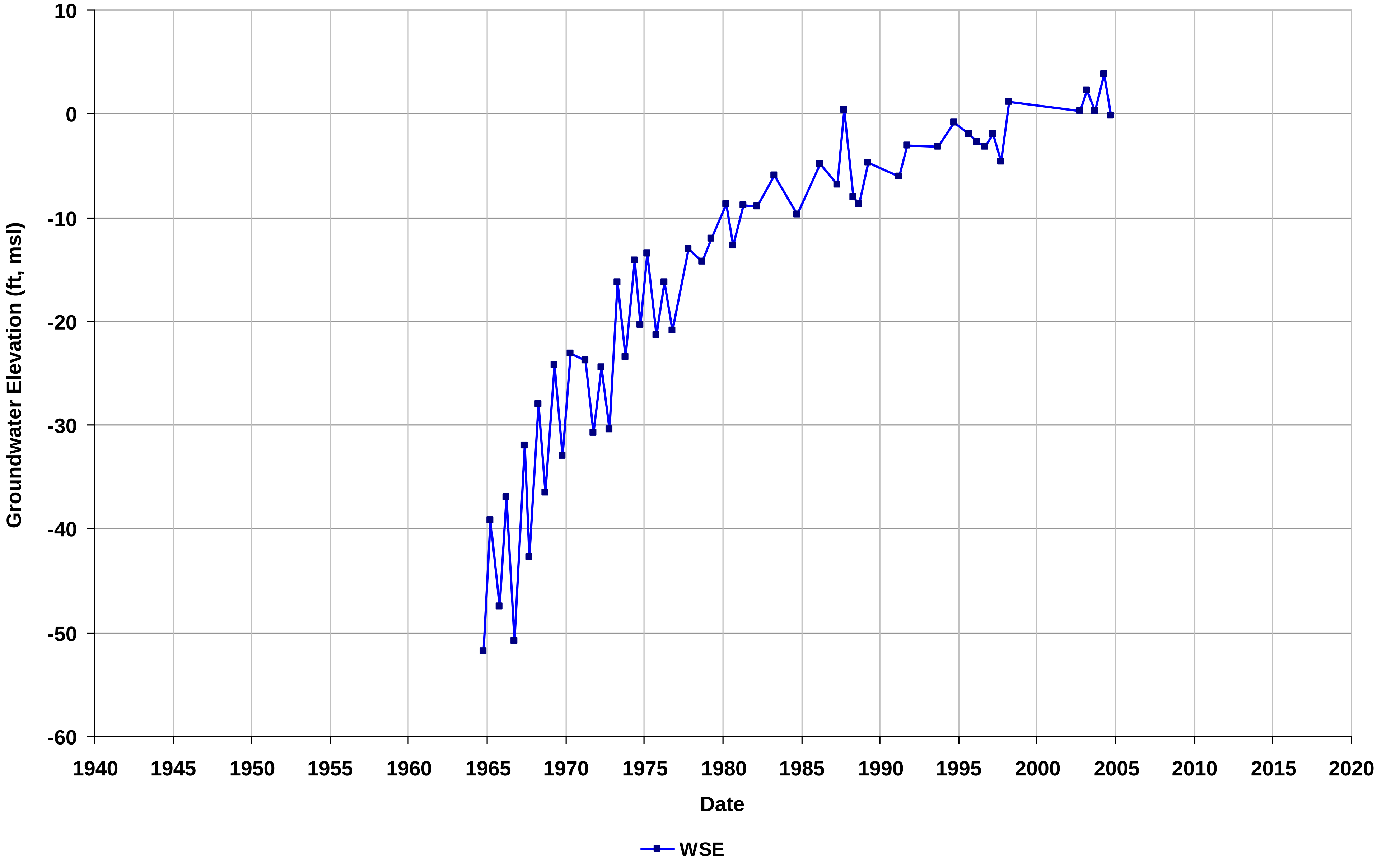
Well Name: 04S/02W-35B01
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/35
Well Use:



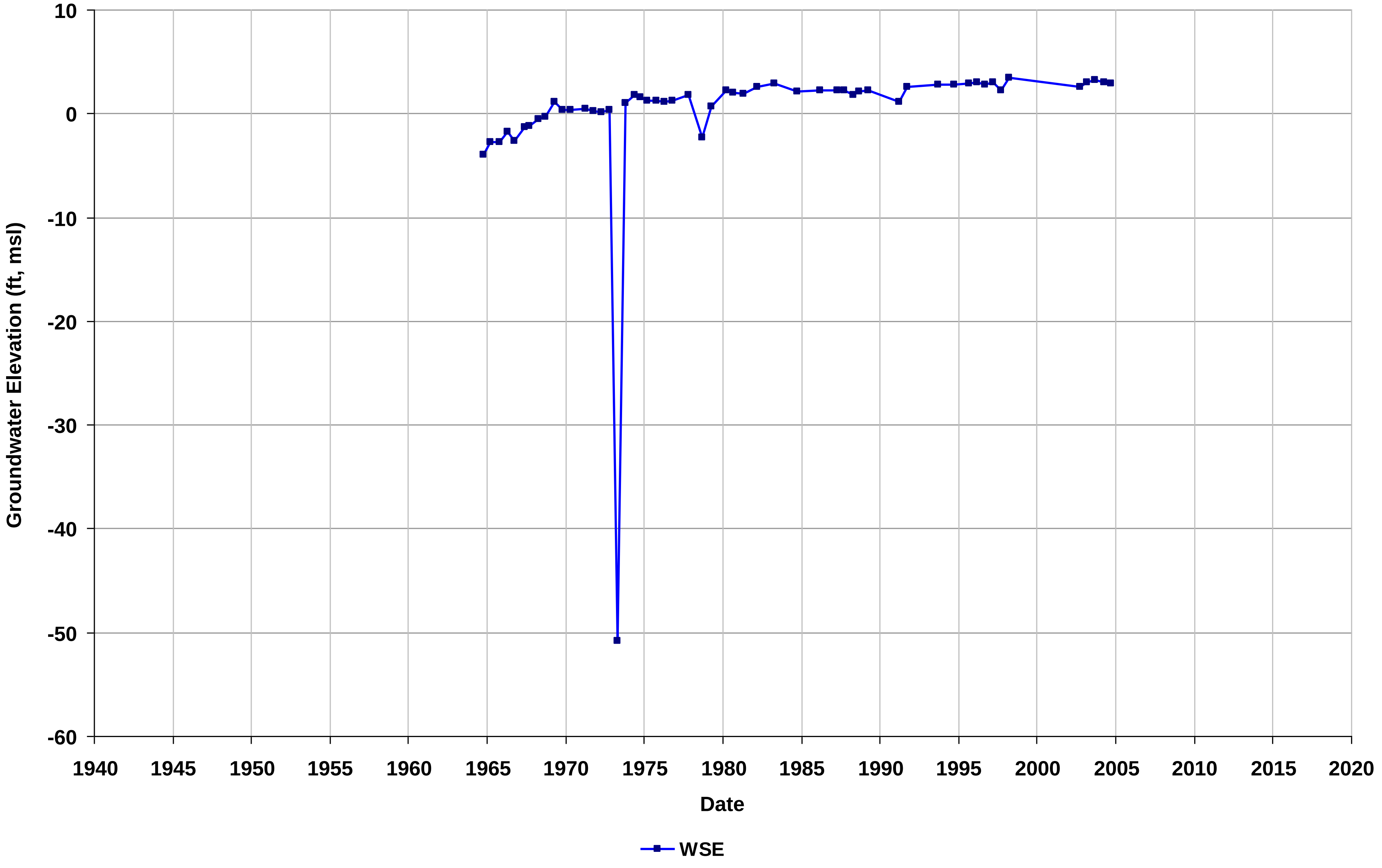
Well Name: 04S/03W-13B02
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/03W/13
Well Use:



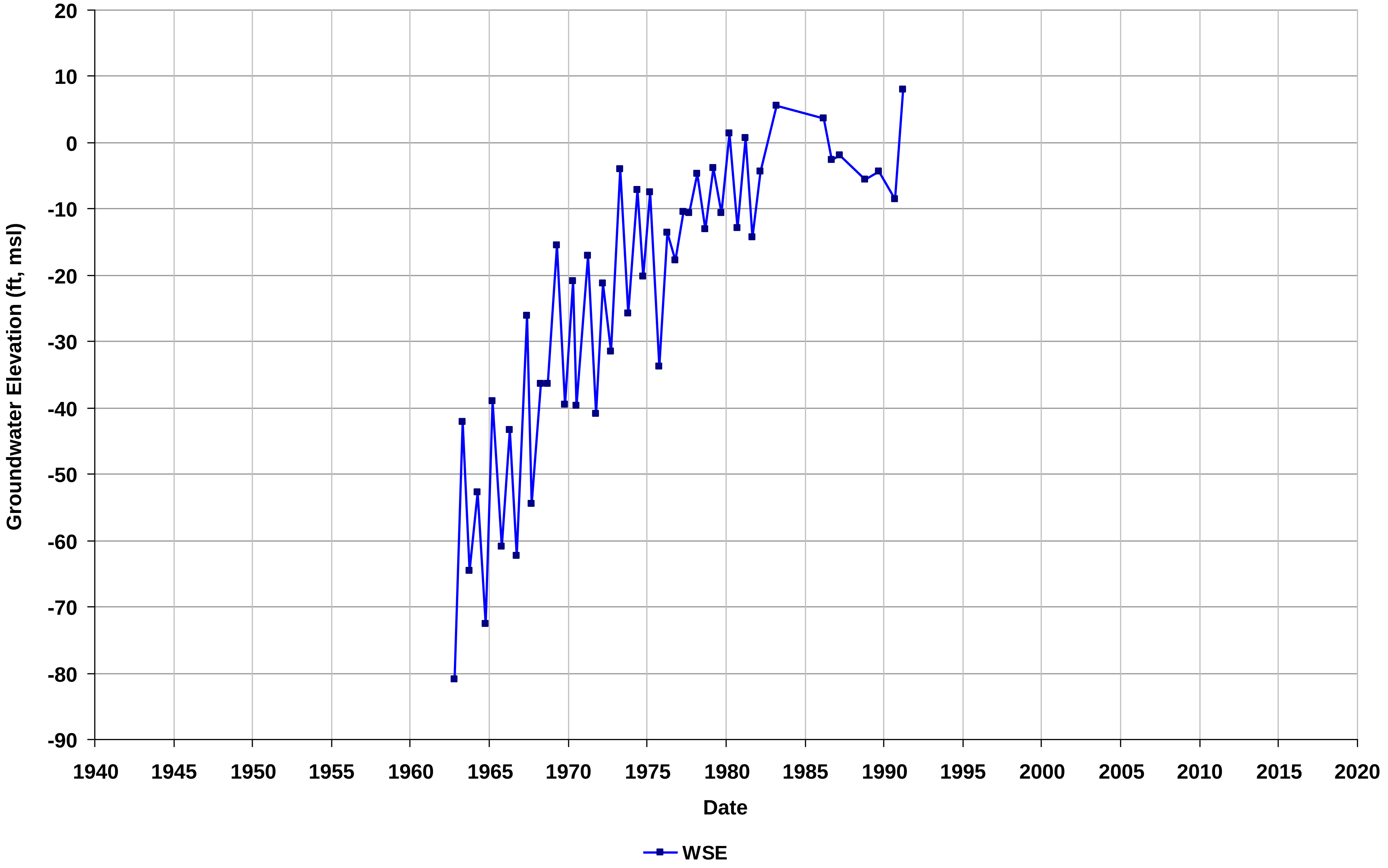
Well Name: 04S/03W-13B03
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/03W/13
Well Use:



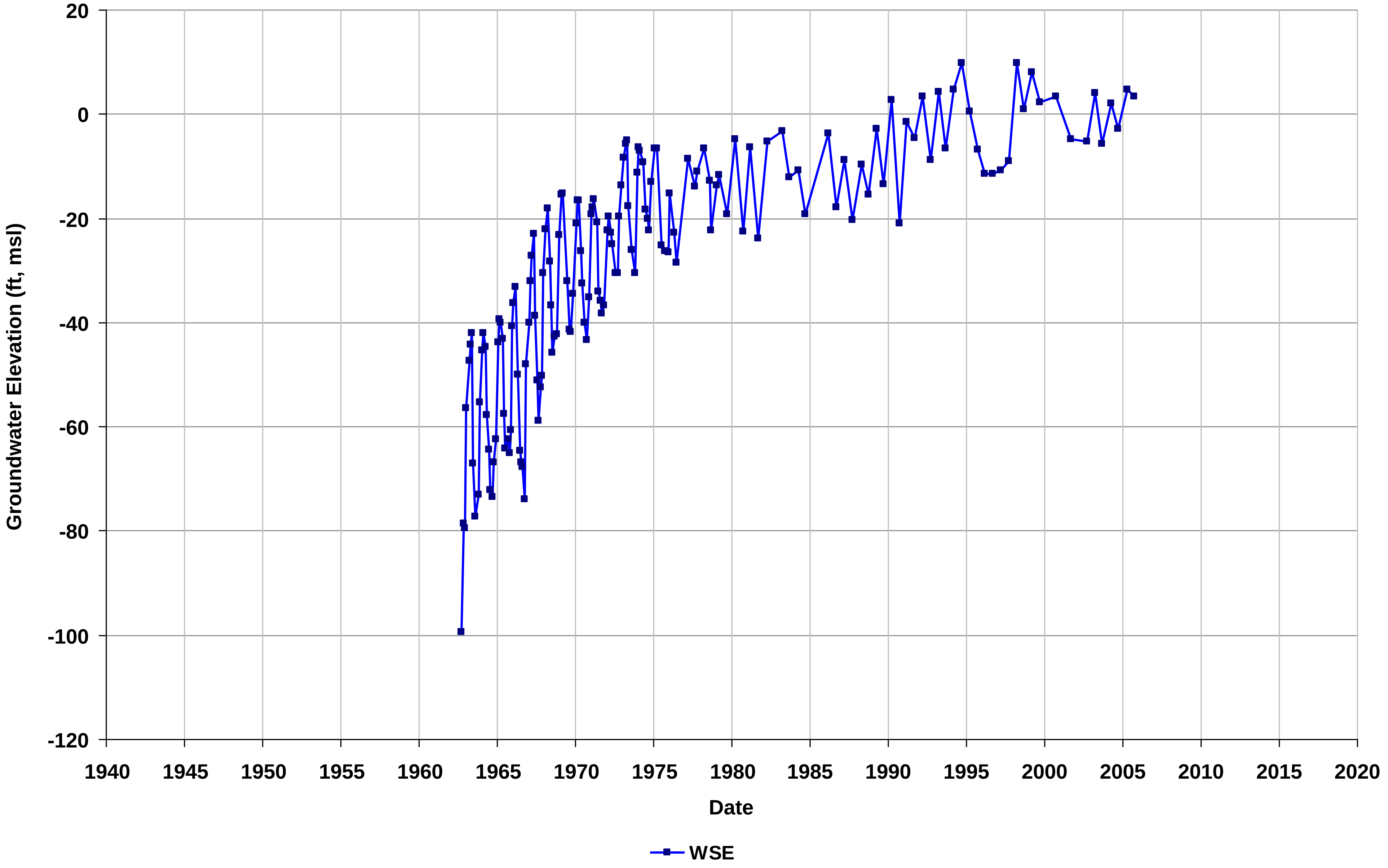
Well Name: 05S/01W-04M01
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 05S/01W/04
Well Use:



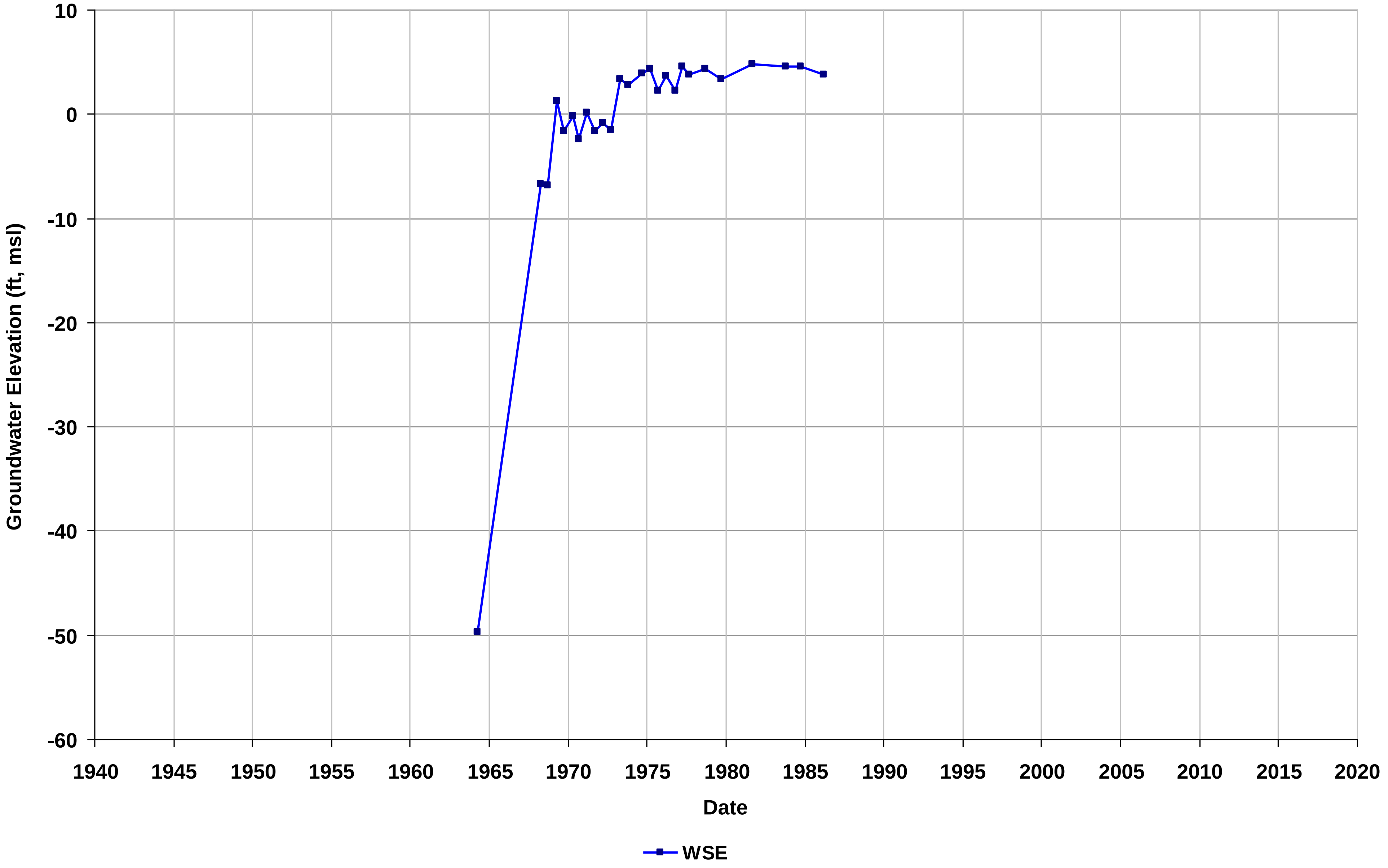
Well Name: 05S/01W-17A01
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 05S/01W/17
Well Use:



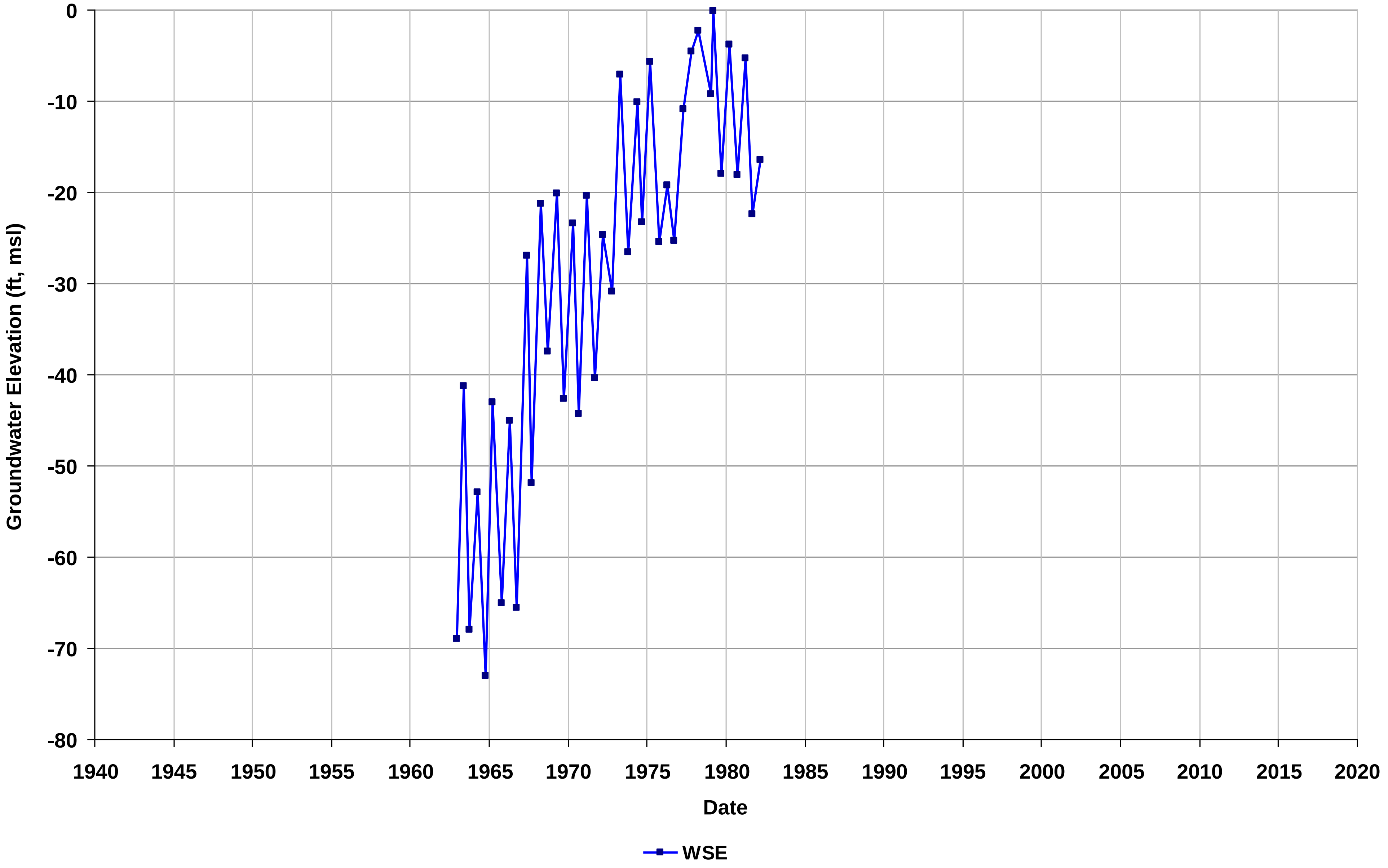
Well Name: 05S/01W-17C02
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 05S/01W/17
Well Use:



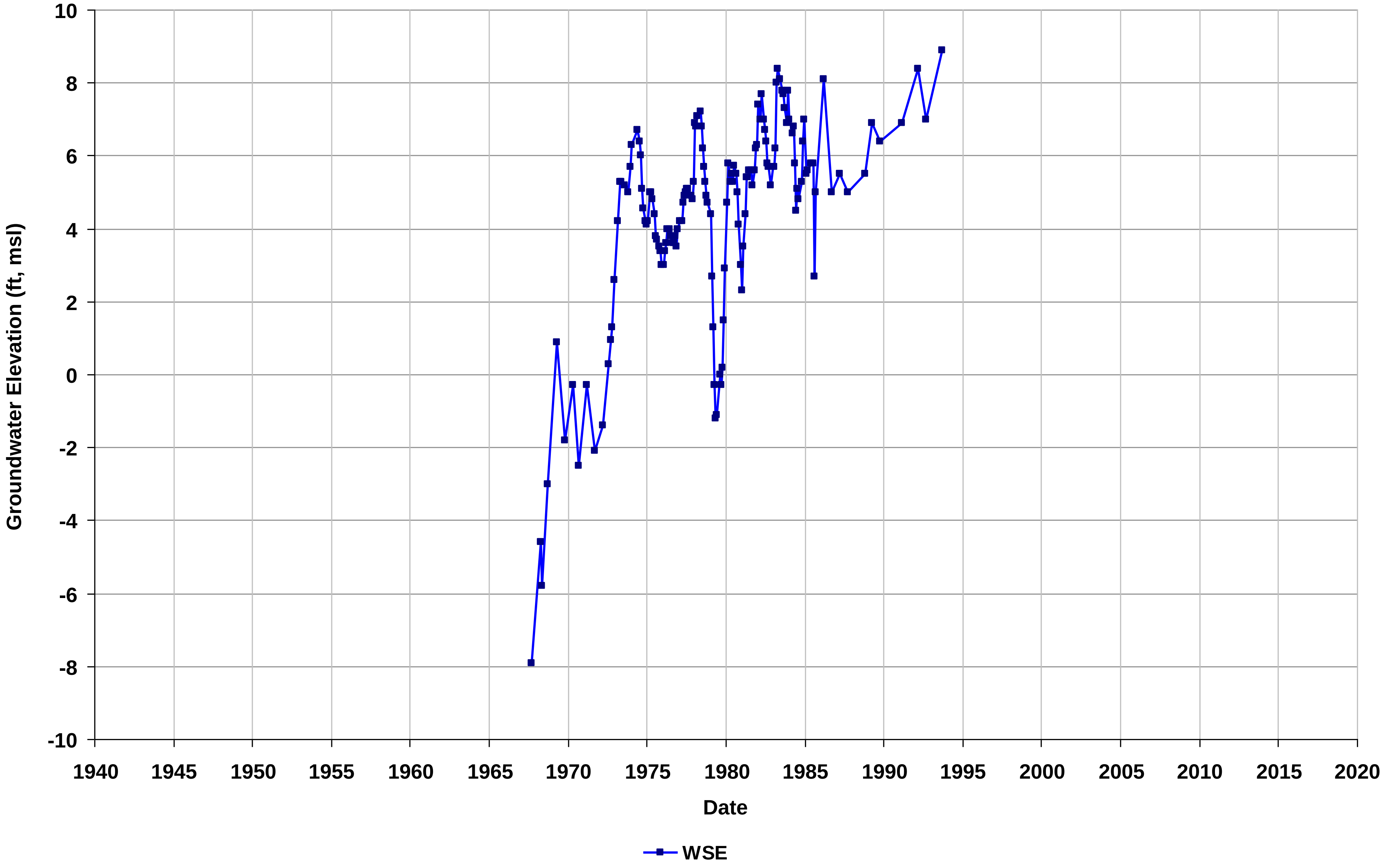
Well Name: 05S/02W-01B01
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 05S/02W/01
Well Use:



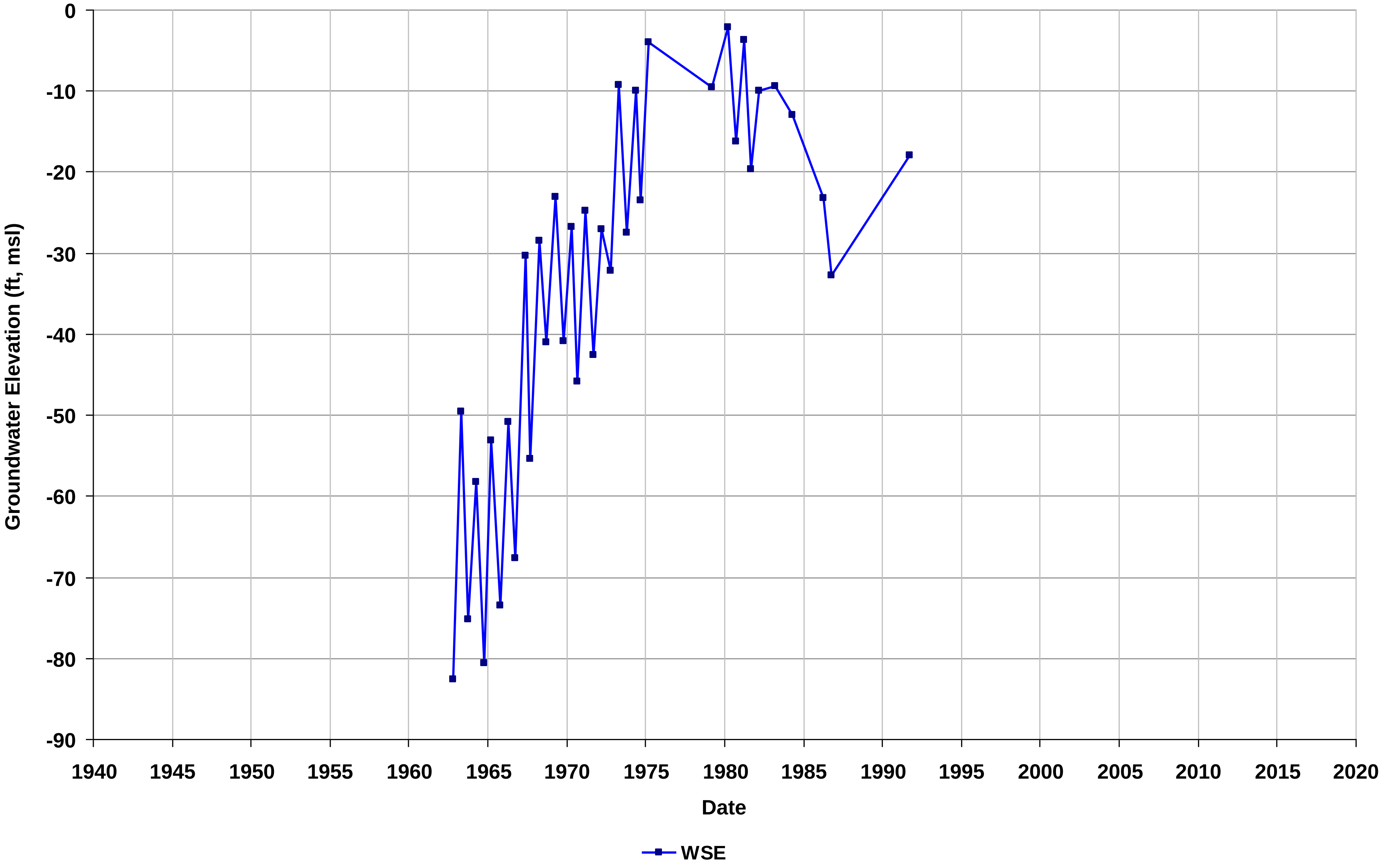
Well Name: 05S/02W-02L01
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 05S/02W/02
Well Use:



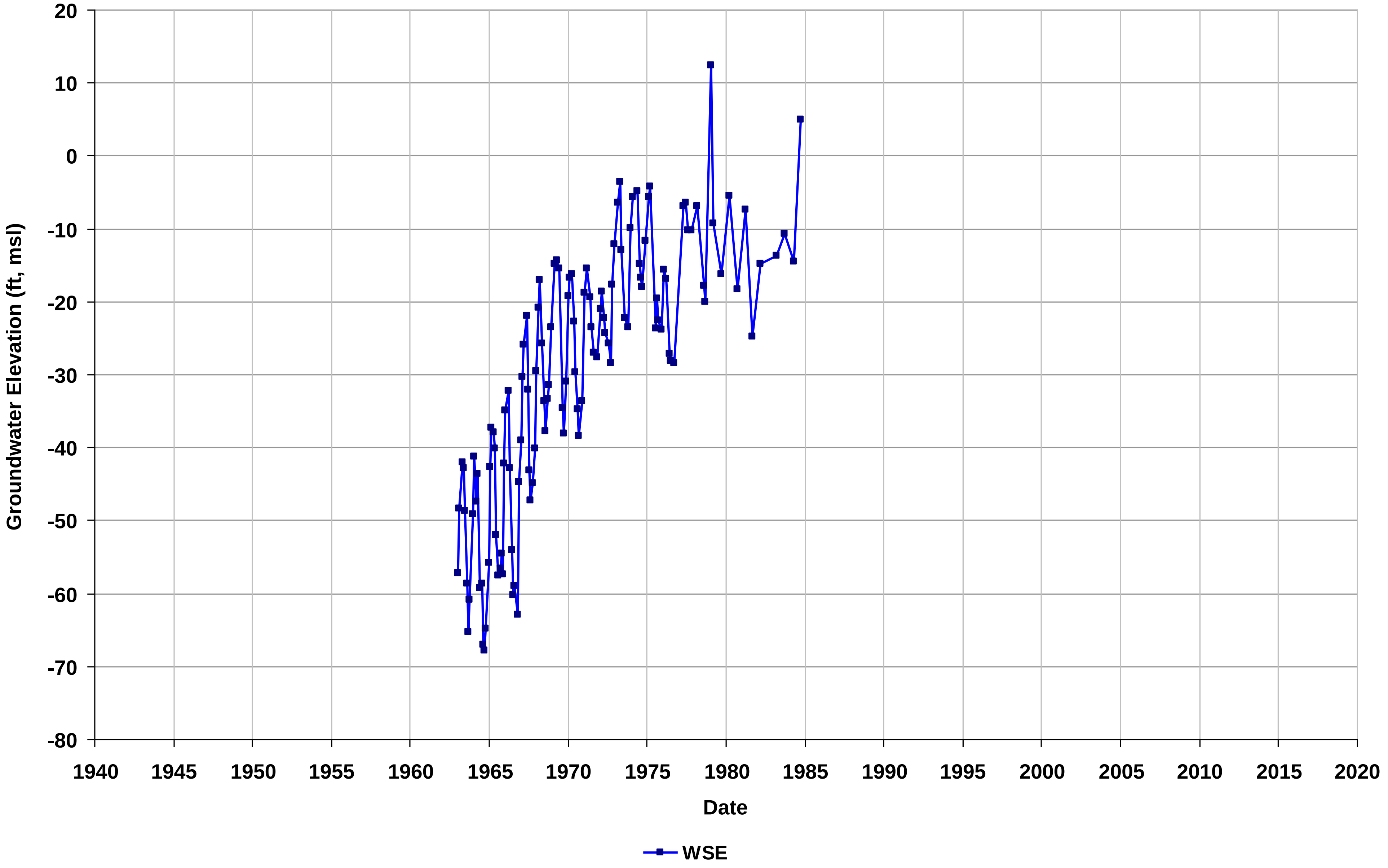
Well Name: 05S/02W-12B01
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 05S/02W/12
Well Use:



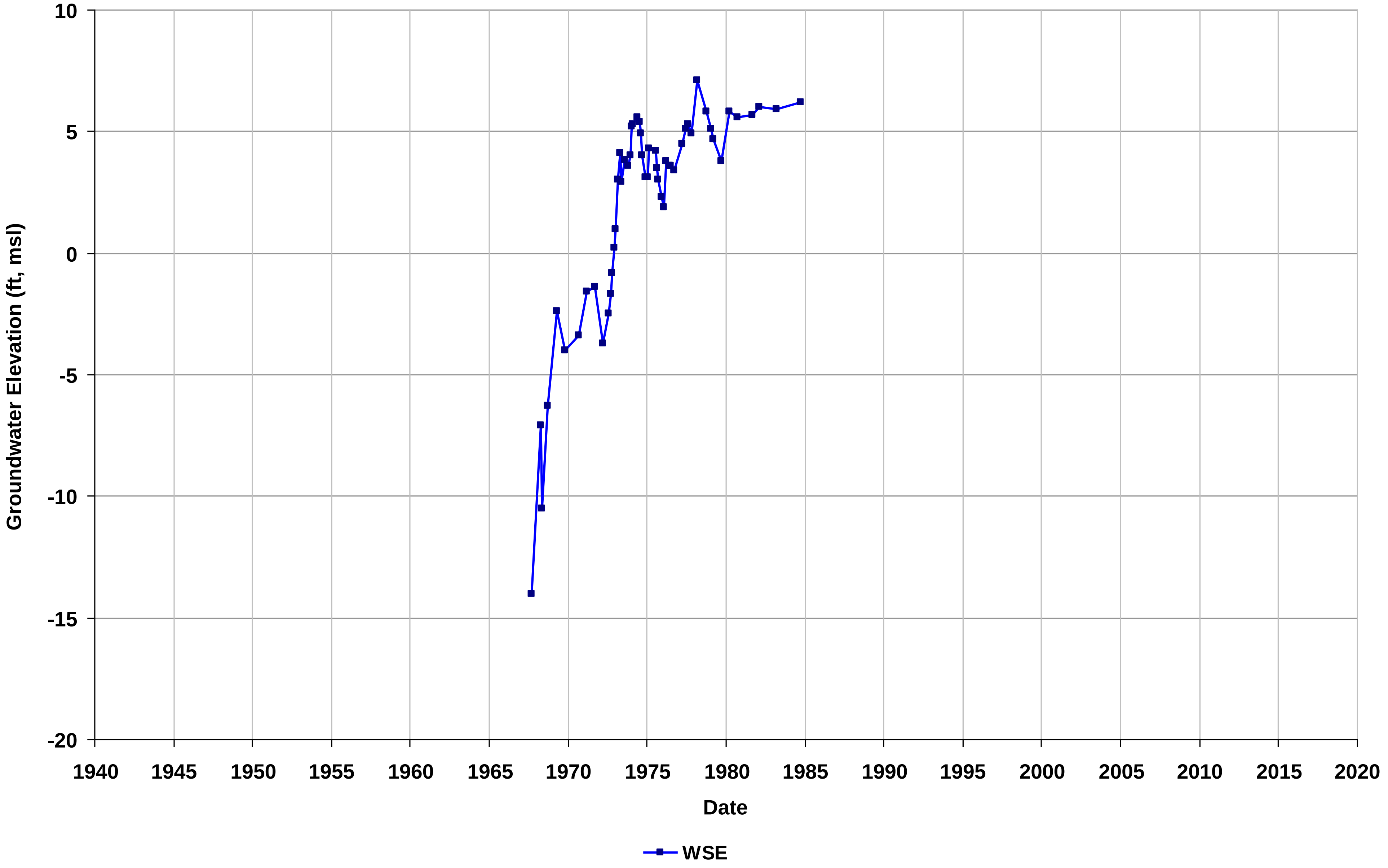
Well Name: 05S/02W-12B04
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 05S/02W/12
Well Use:



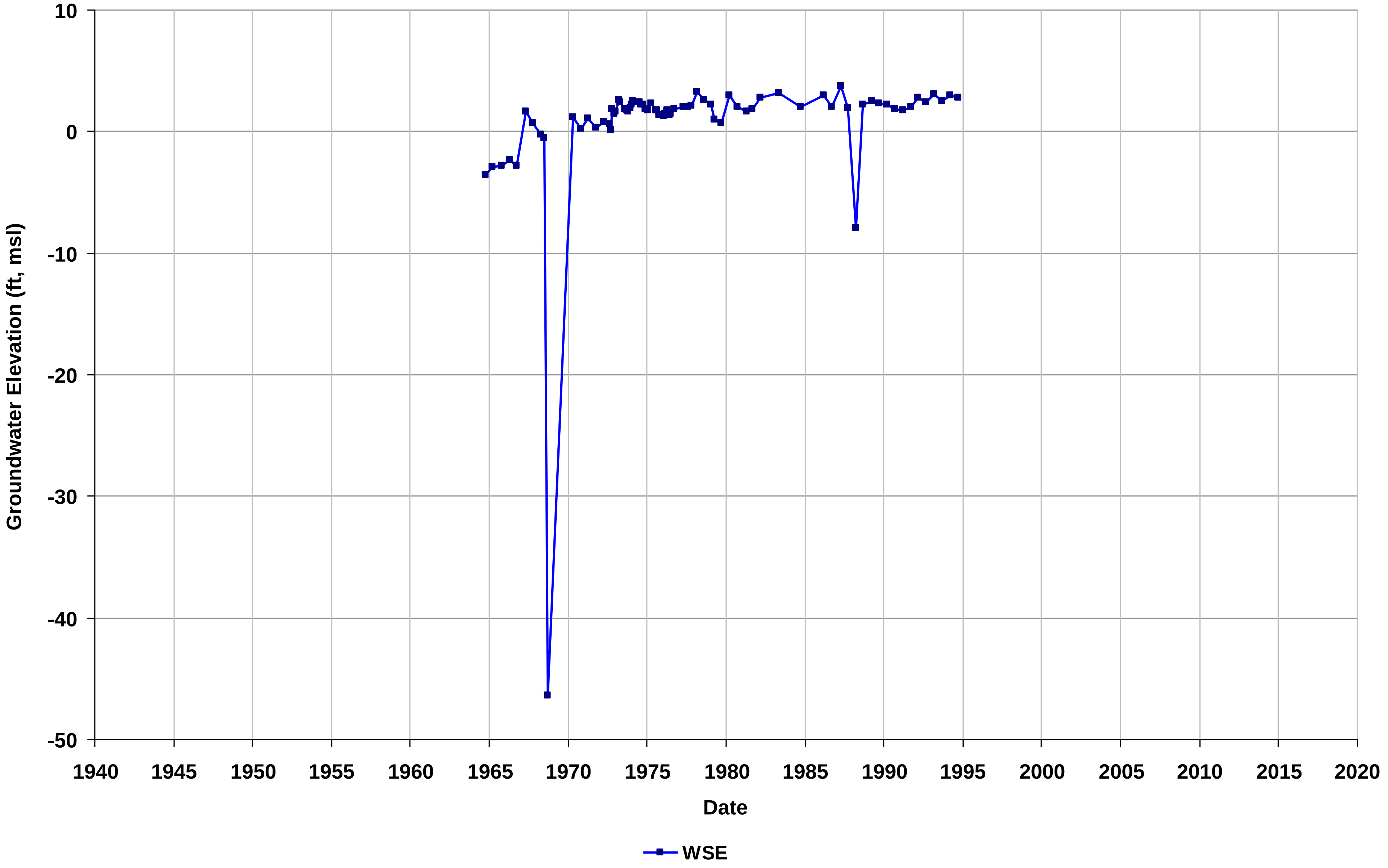
Well Name: 05S/02W-12D01
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 05S/02W/12
Well Use:



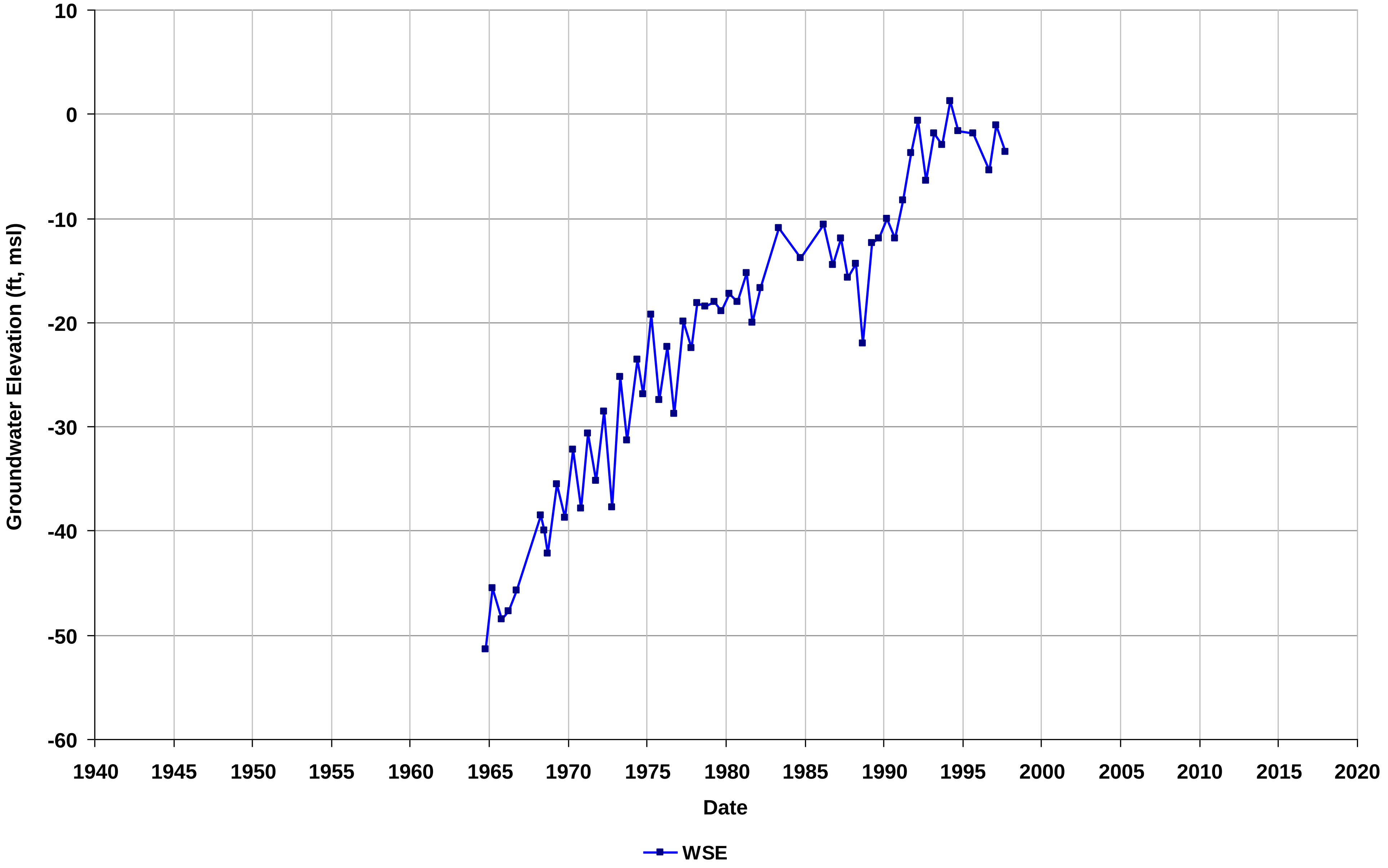
Well Name: 05S/02W-14E01
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 05S/02W/14
Well Use:



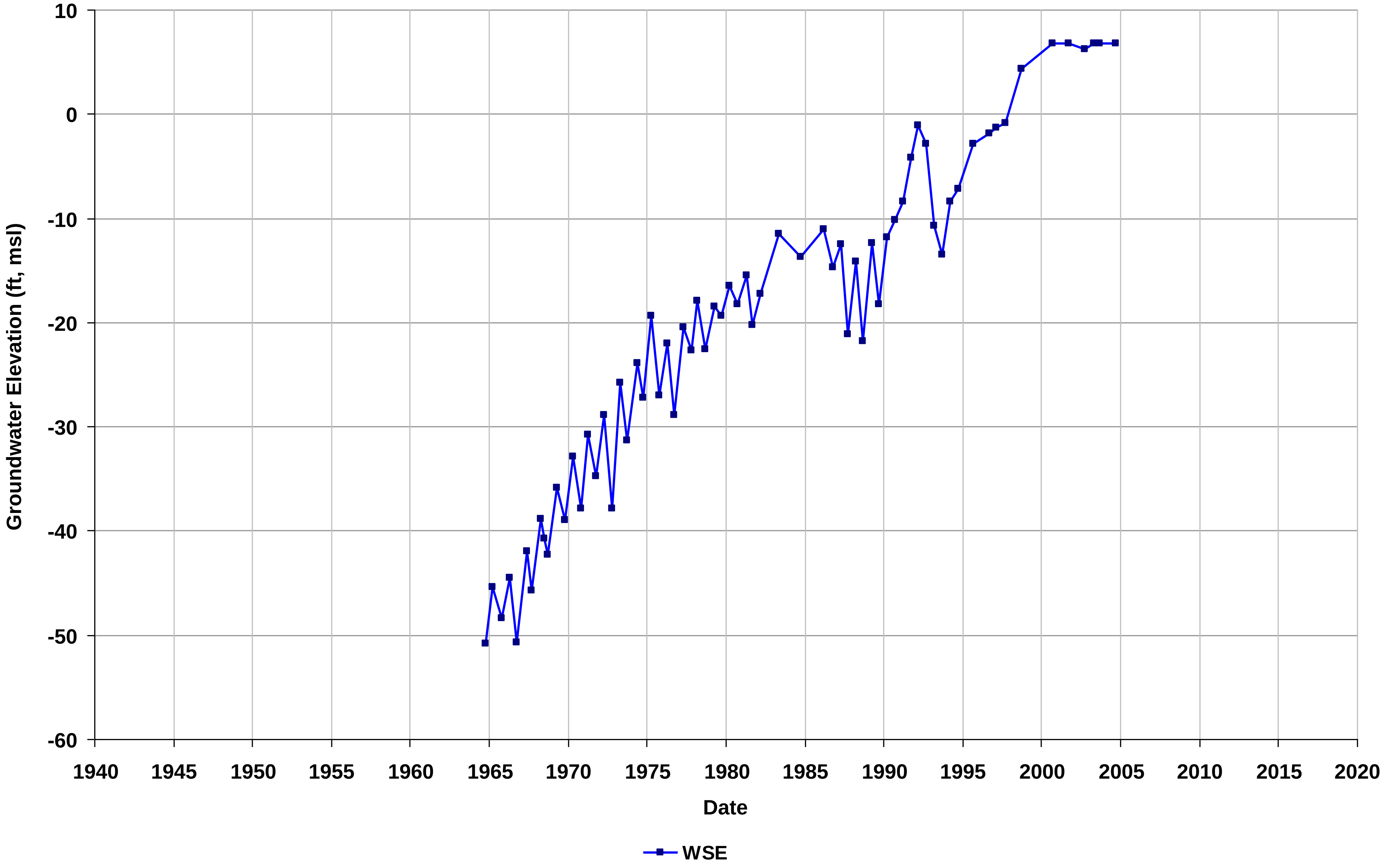
Well Name: 05S/02W-14E03
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 05S/02W/14
Well Use:



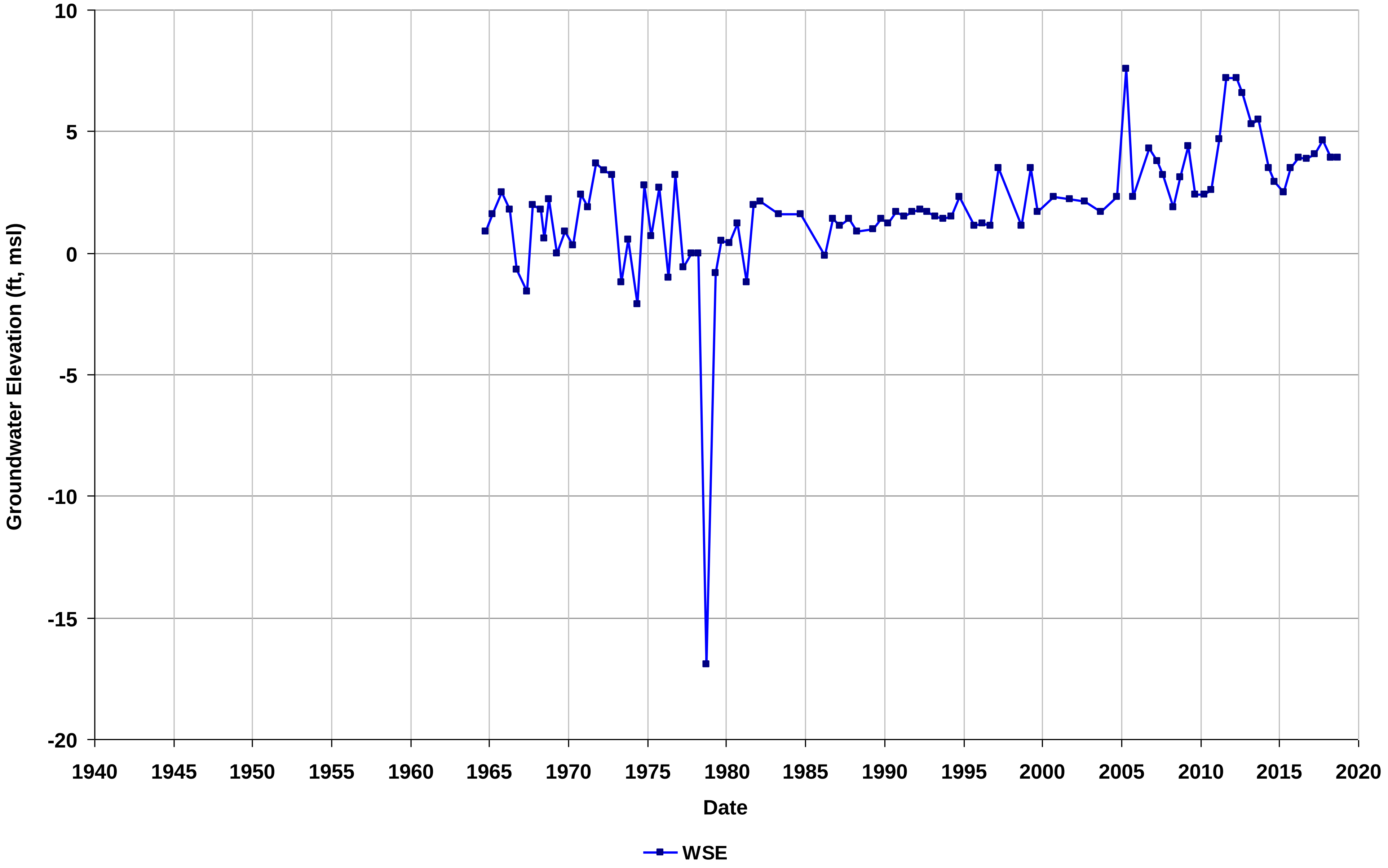
Well Name: 05S/02W-14E04
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: BAY/DE/LTA
Well Use:



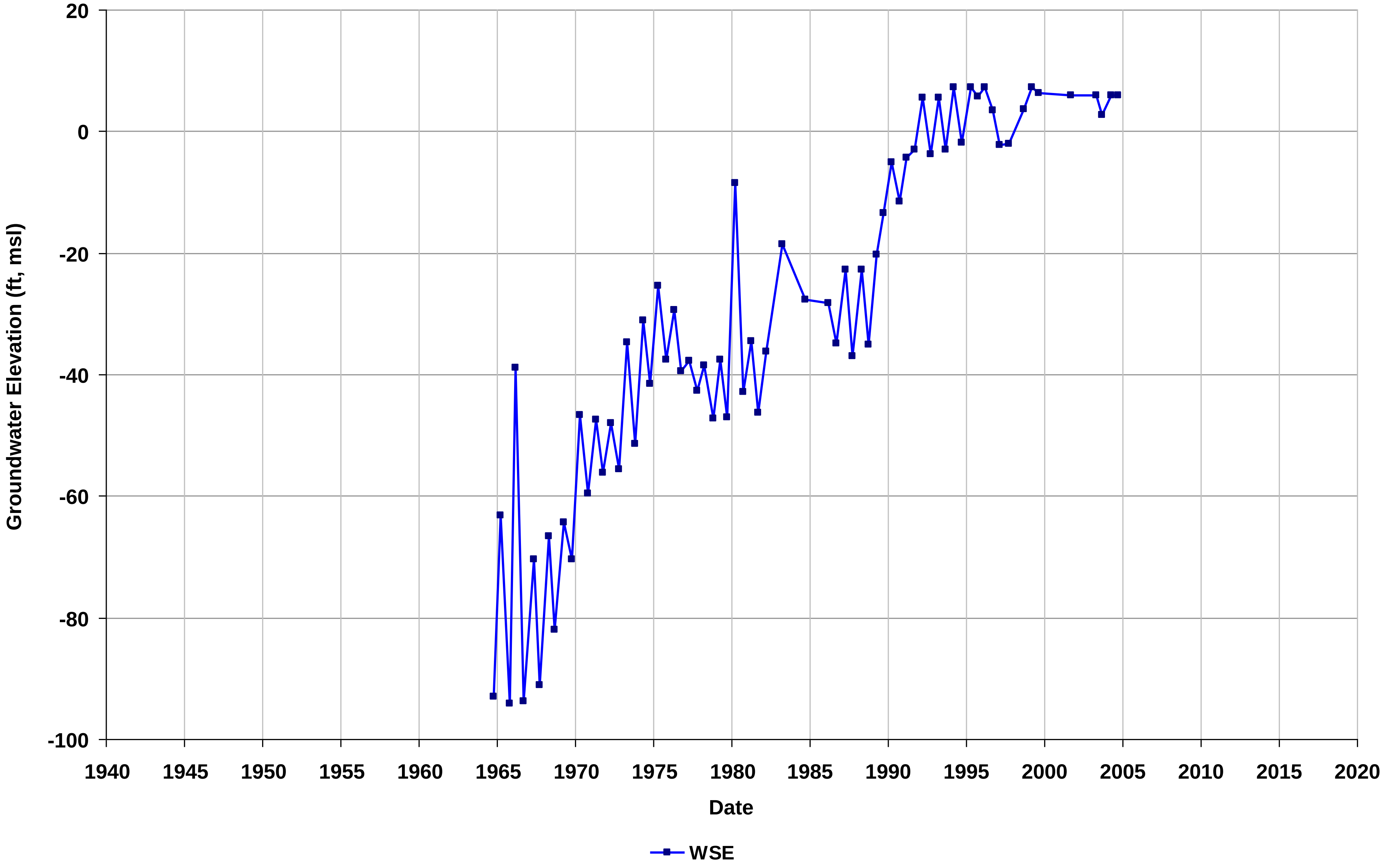
Well Name: 05S/02W-17F02
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 05S/02W/16
Well Use:



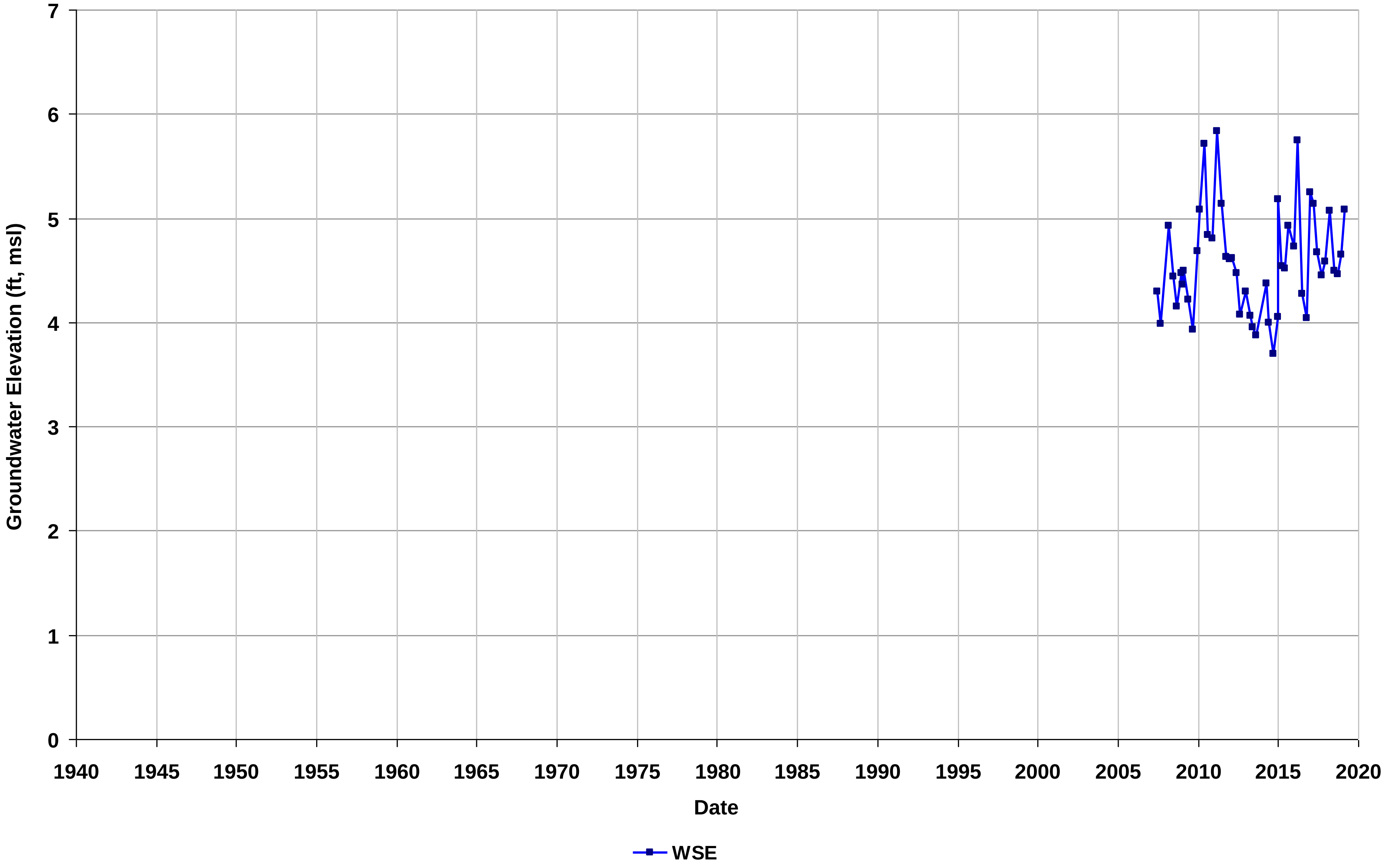
Well Name: 05S/02W-24B01
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 05S/02W/23
Well Use:



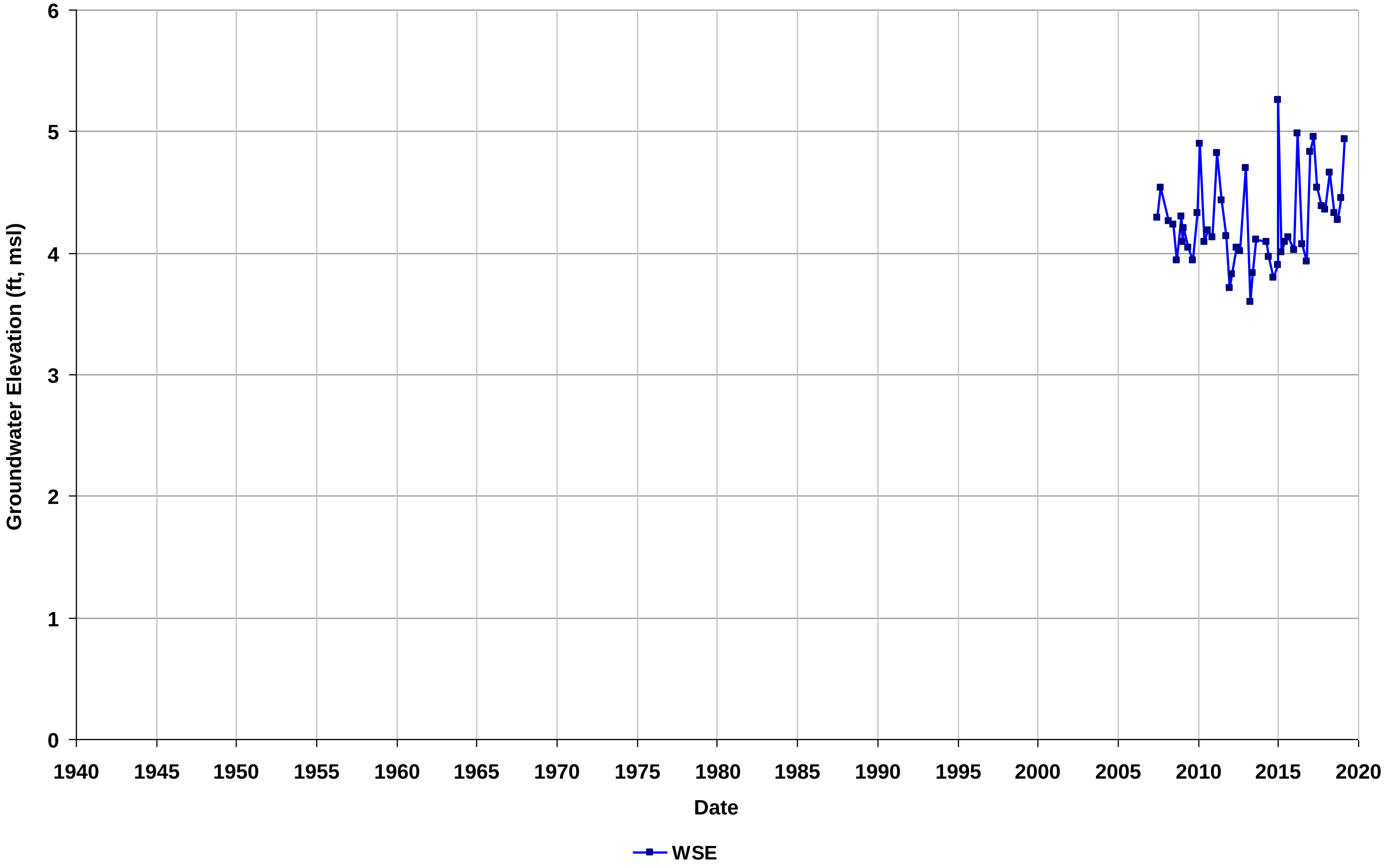
Well Name: L10001617019-WW-10
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/25
Well Use: Observation



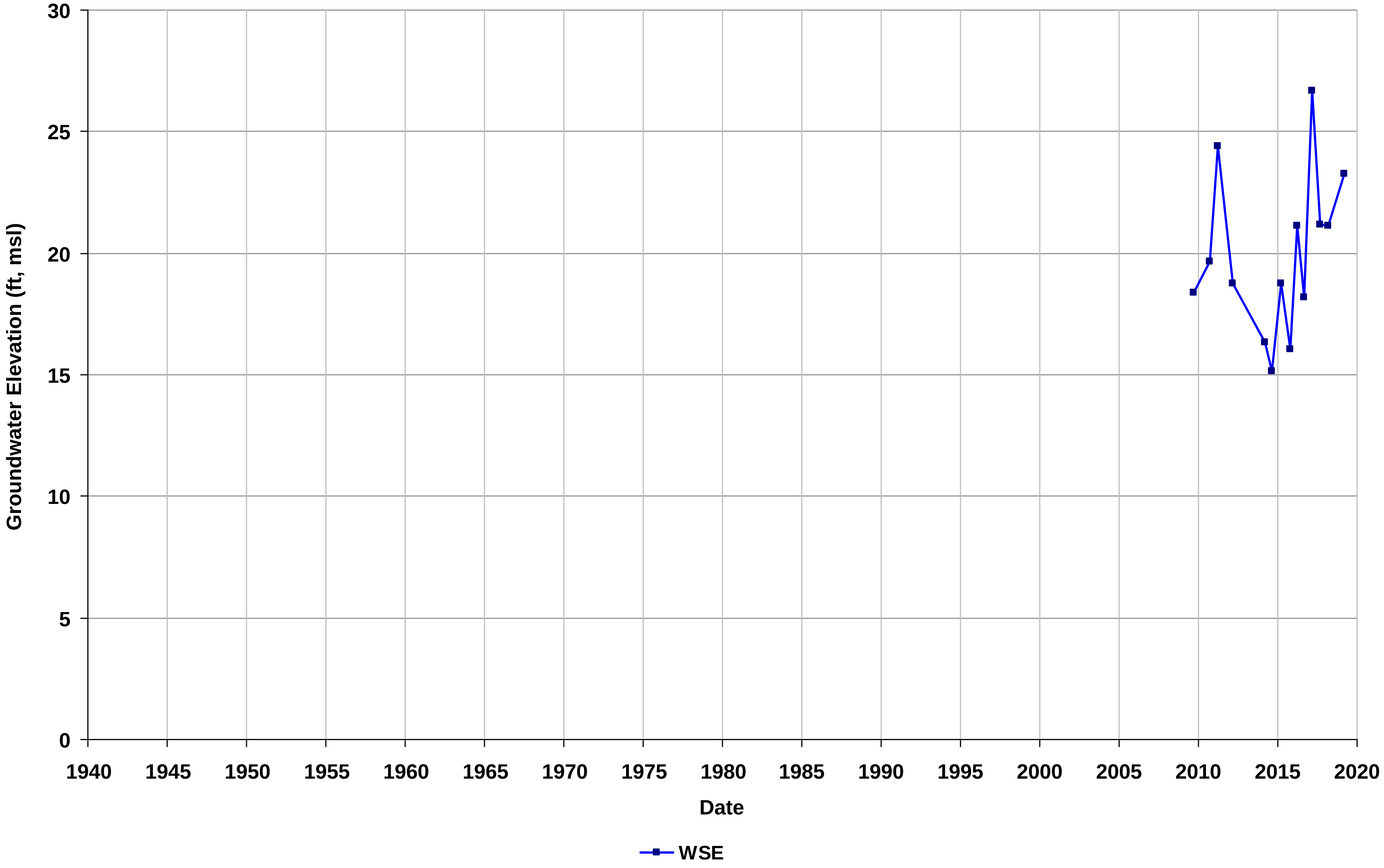
Well Name: L10001617019-WW-5R
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/25
Well Use: Observation



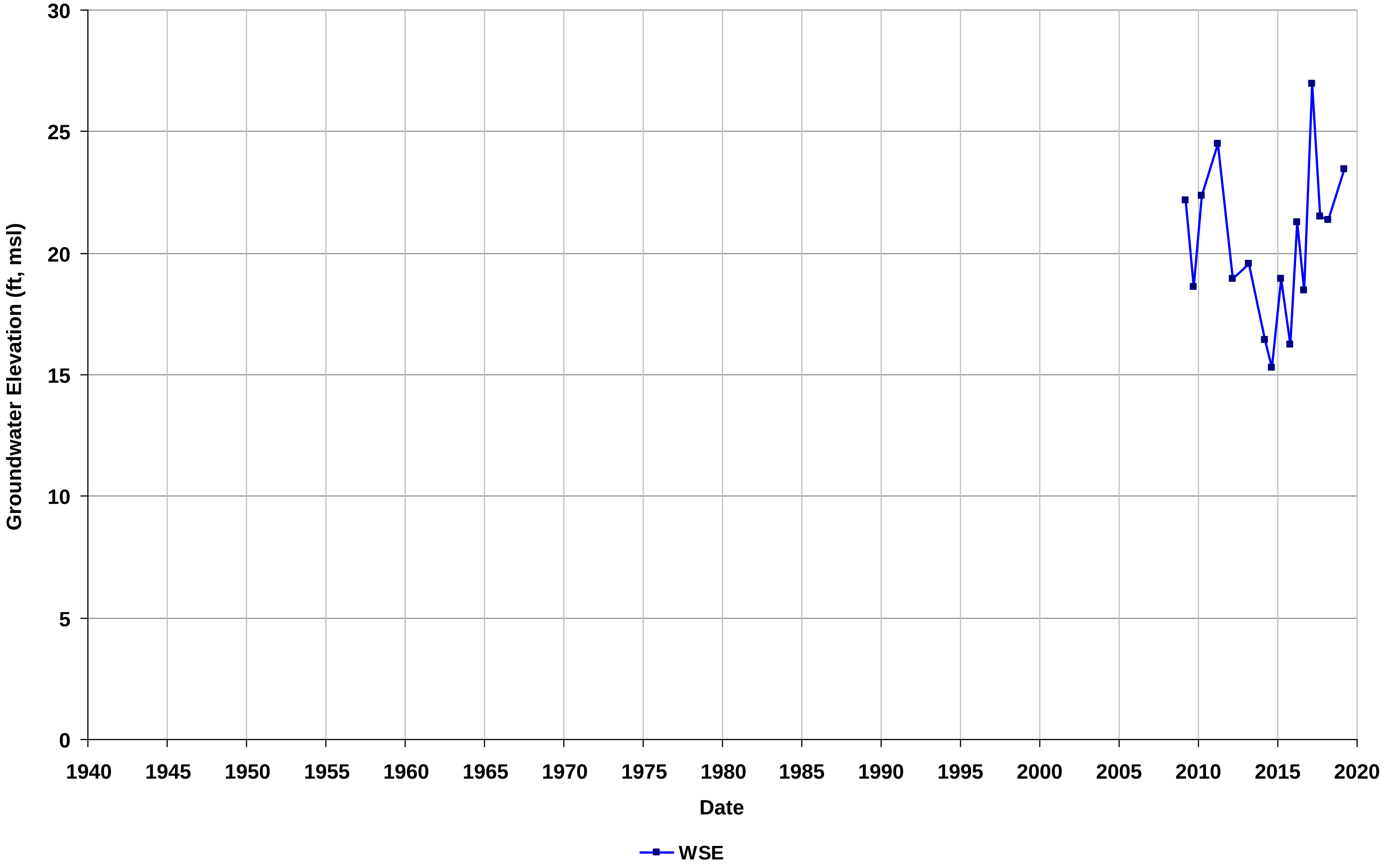
Well Name: L10005679640-W-201
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/01
Well Use: Observation



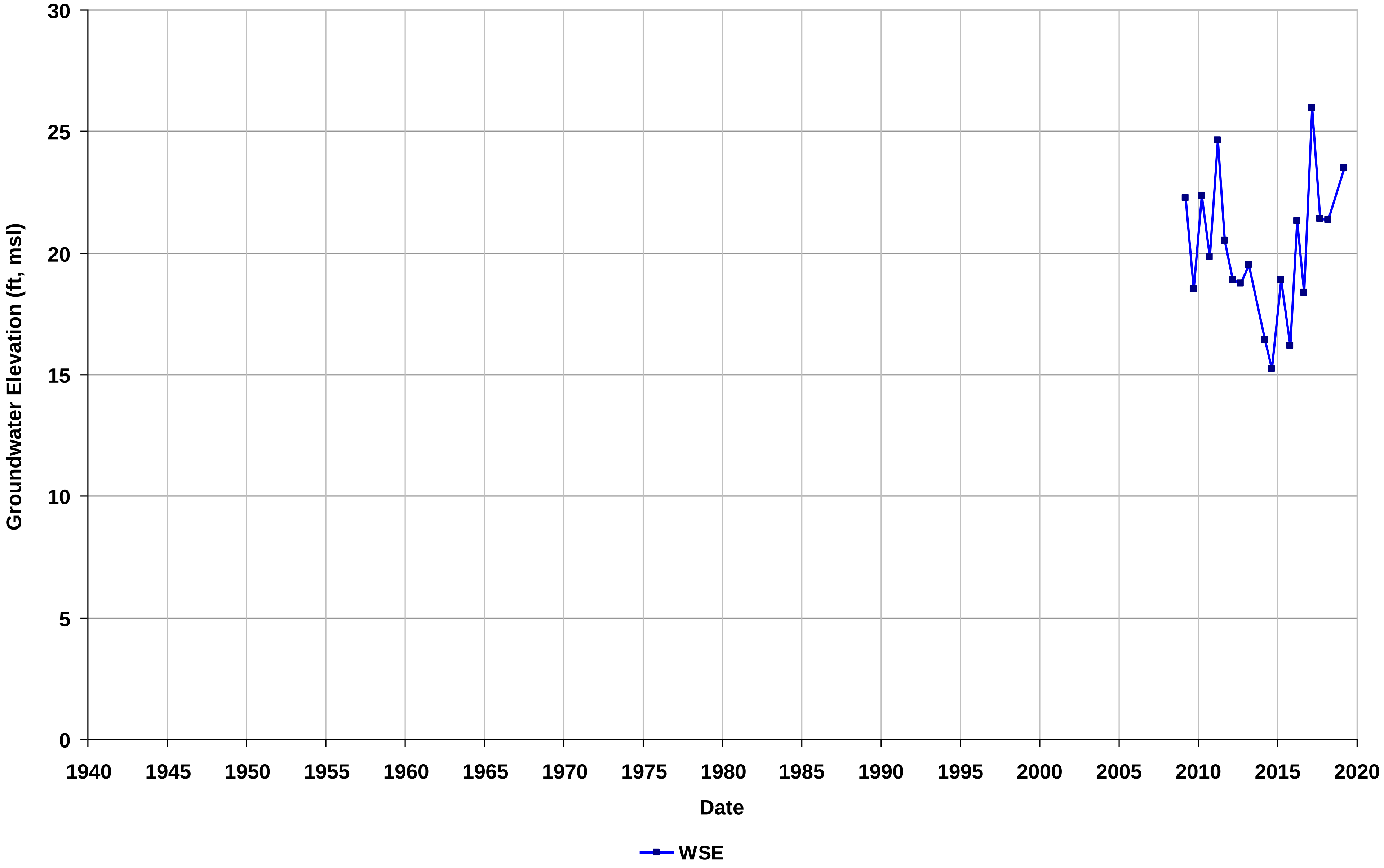
Well Name: L10005679640-W-202
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/01
Well Use: Observation



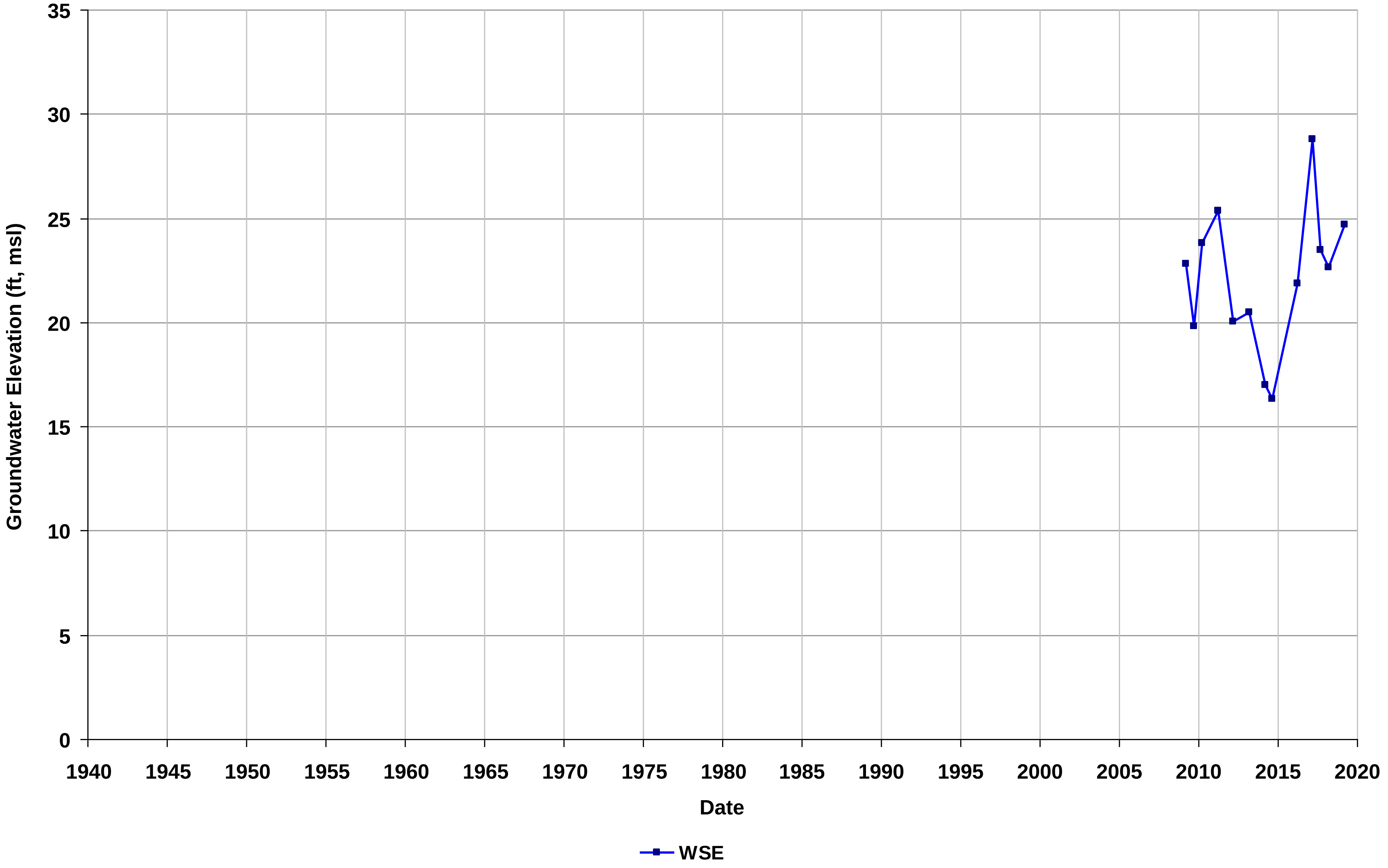
Well Name: L10005679640-W-203
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/01
Well Use: Observation



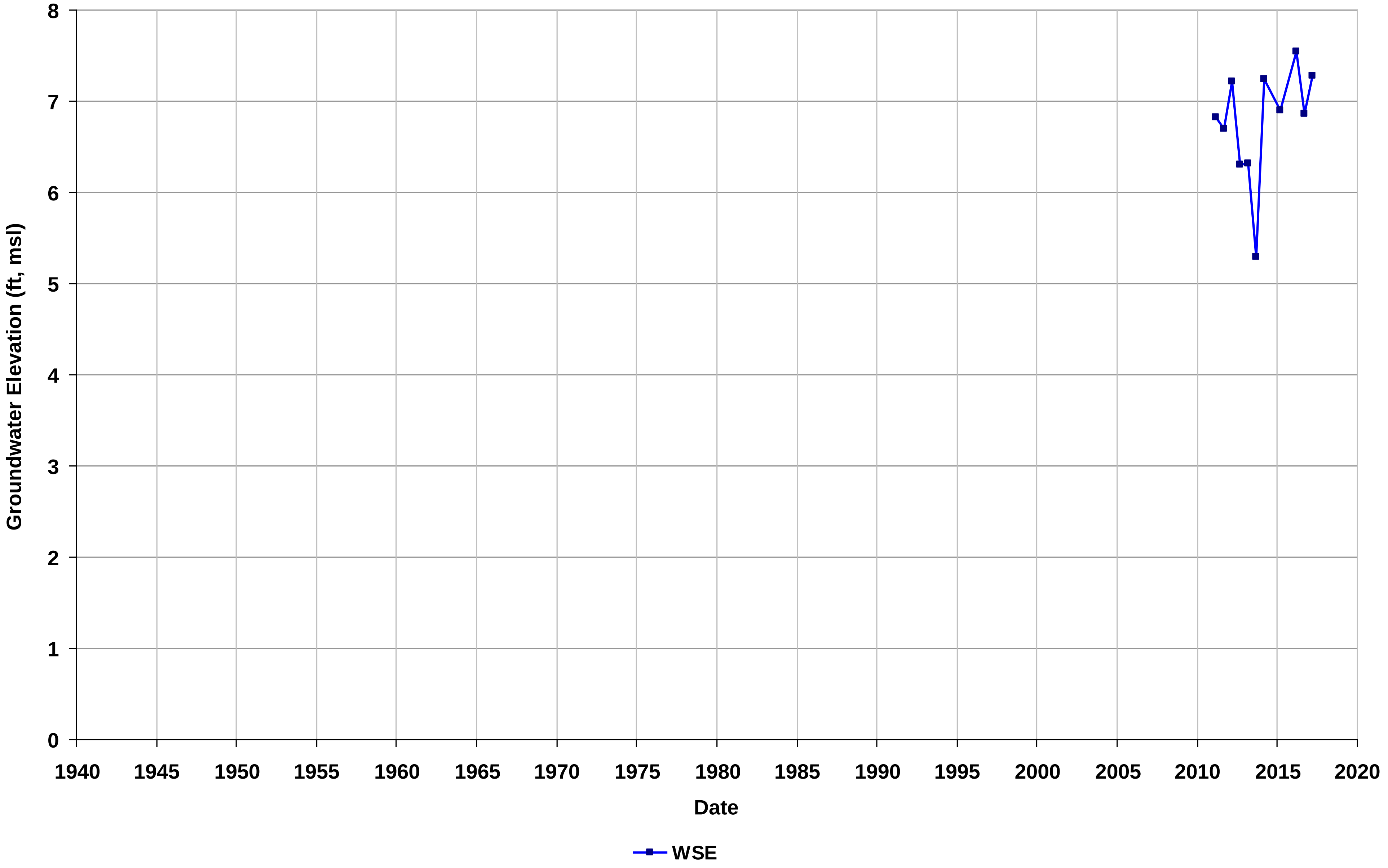
Well Name: L10005679640-W-402
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/01
Well Use: Observation



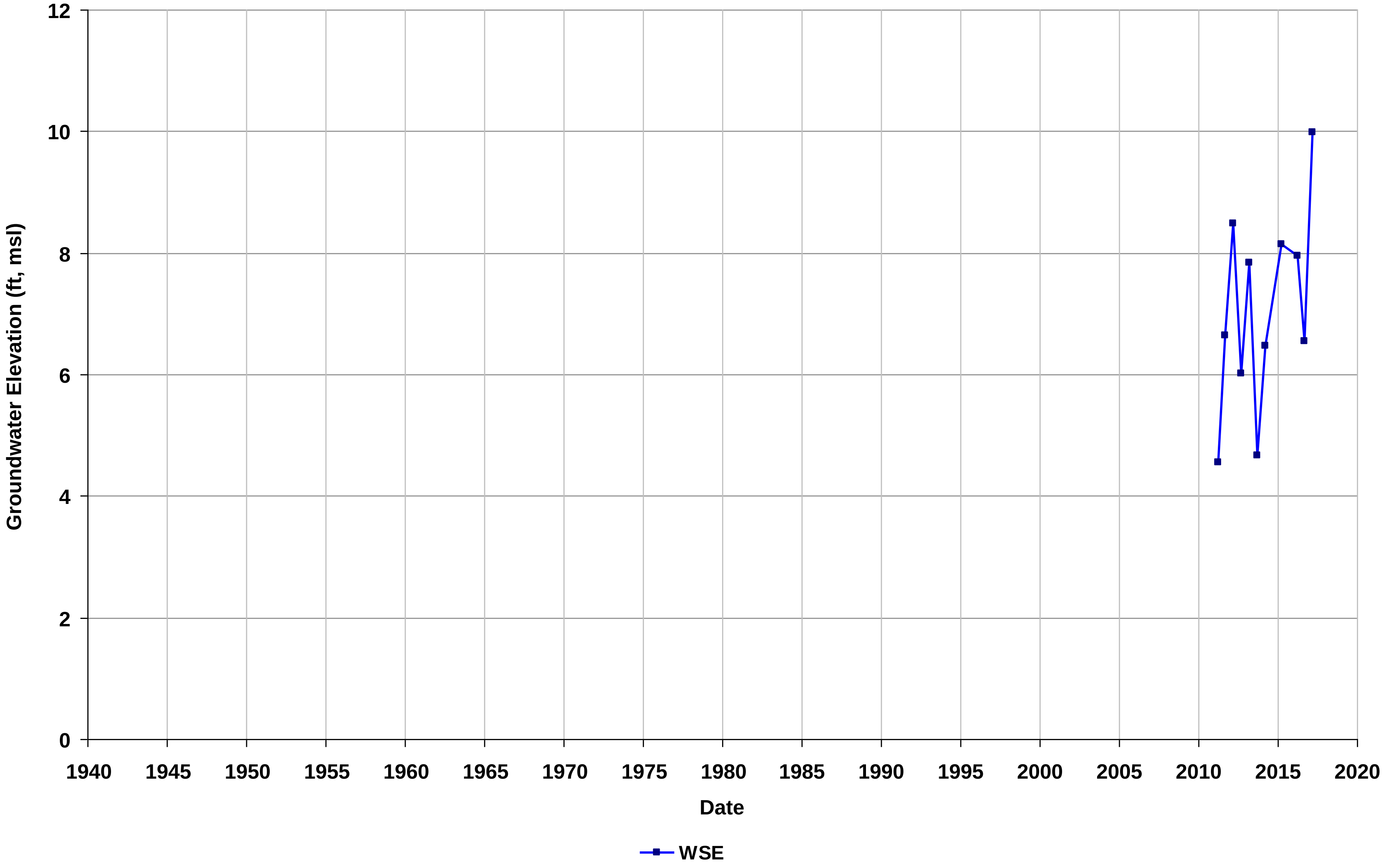
Well Name: SL0600103806-MW-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



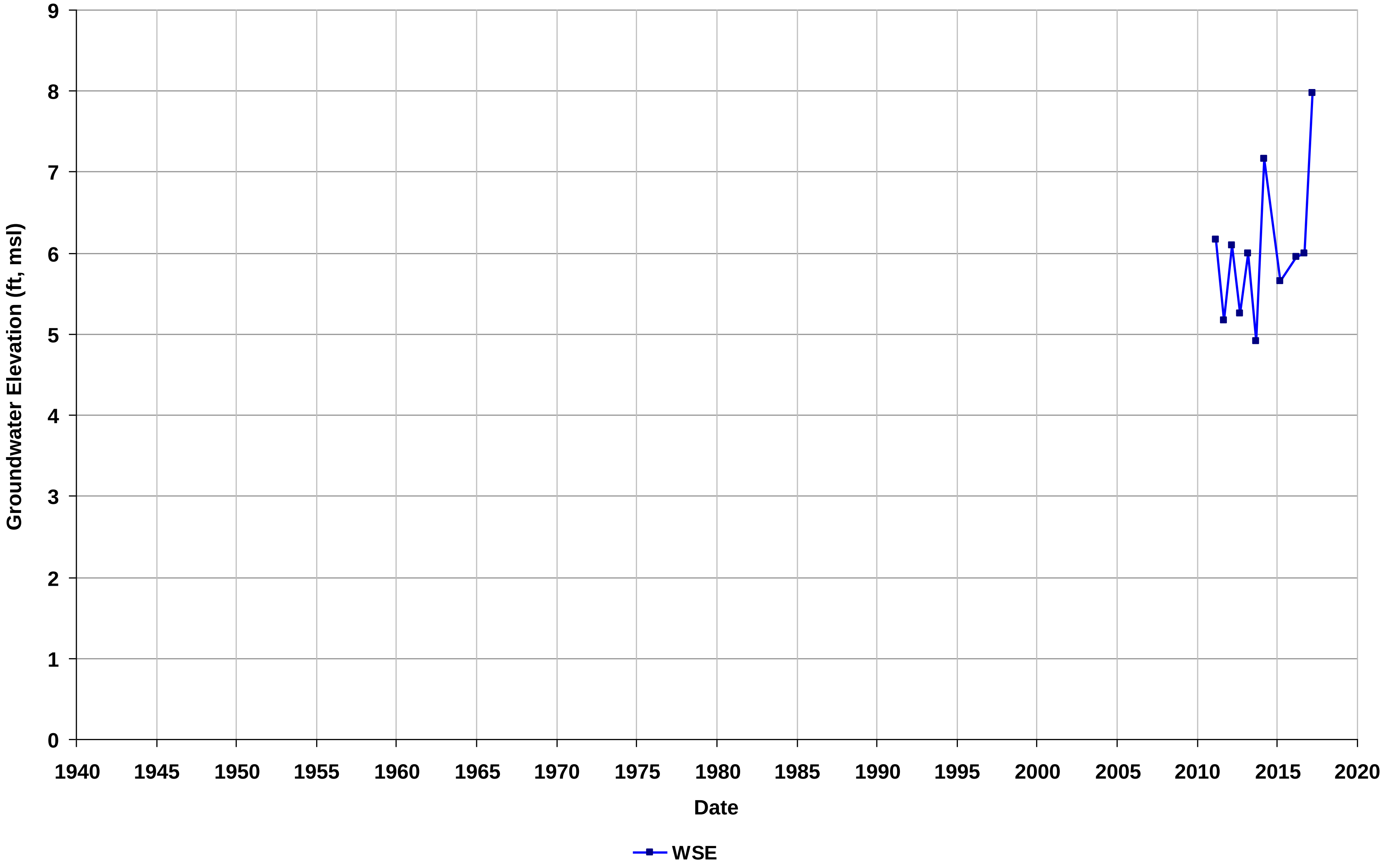
Well Name: SL0600103806-MW-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



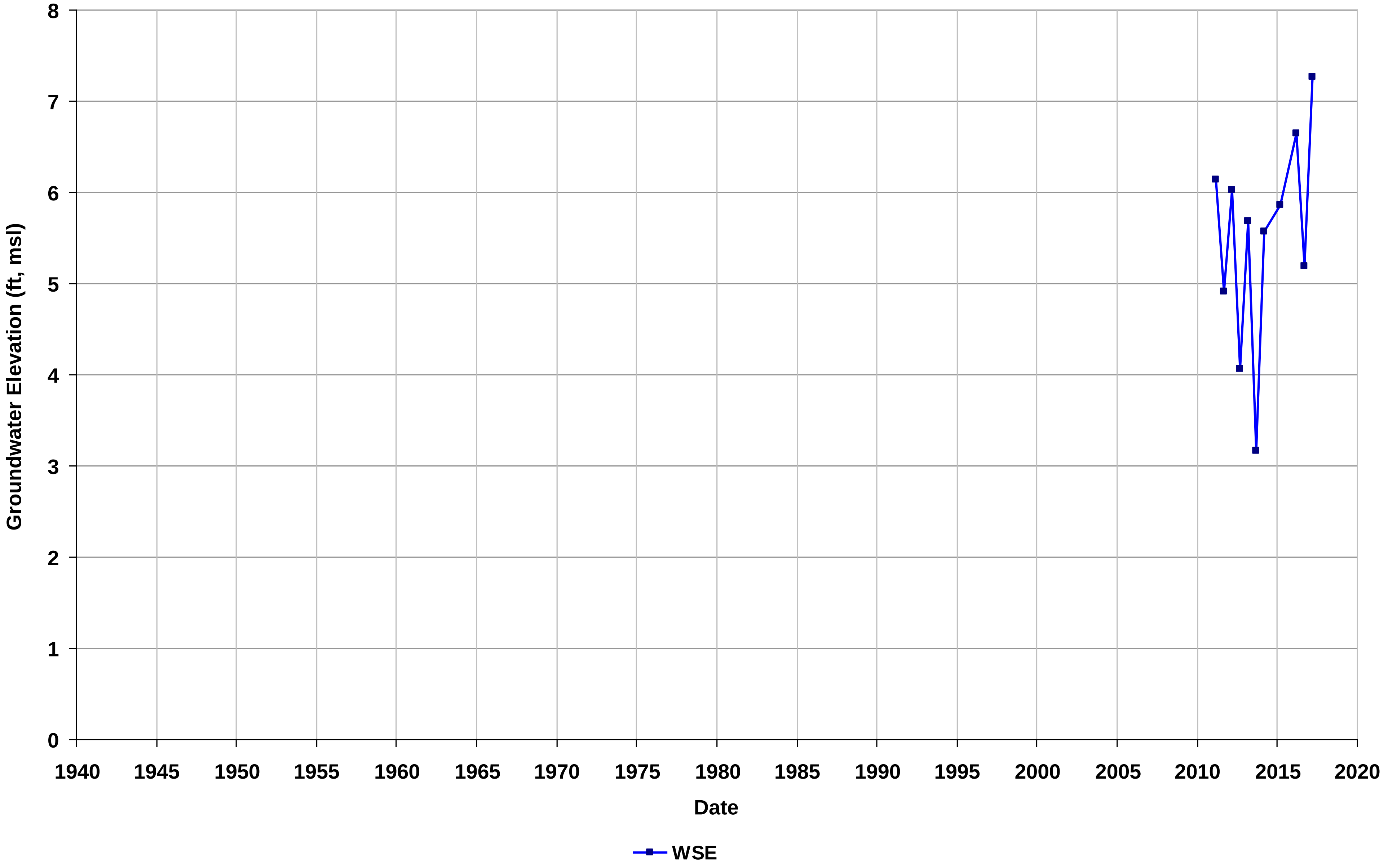
Well Name: SL0600103806-MW-5
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



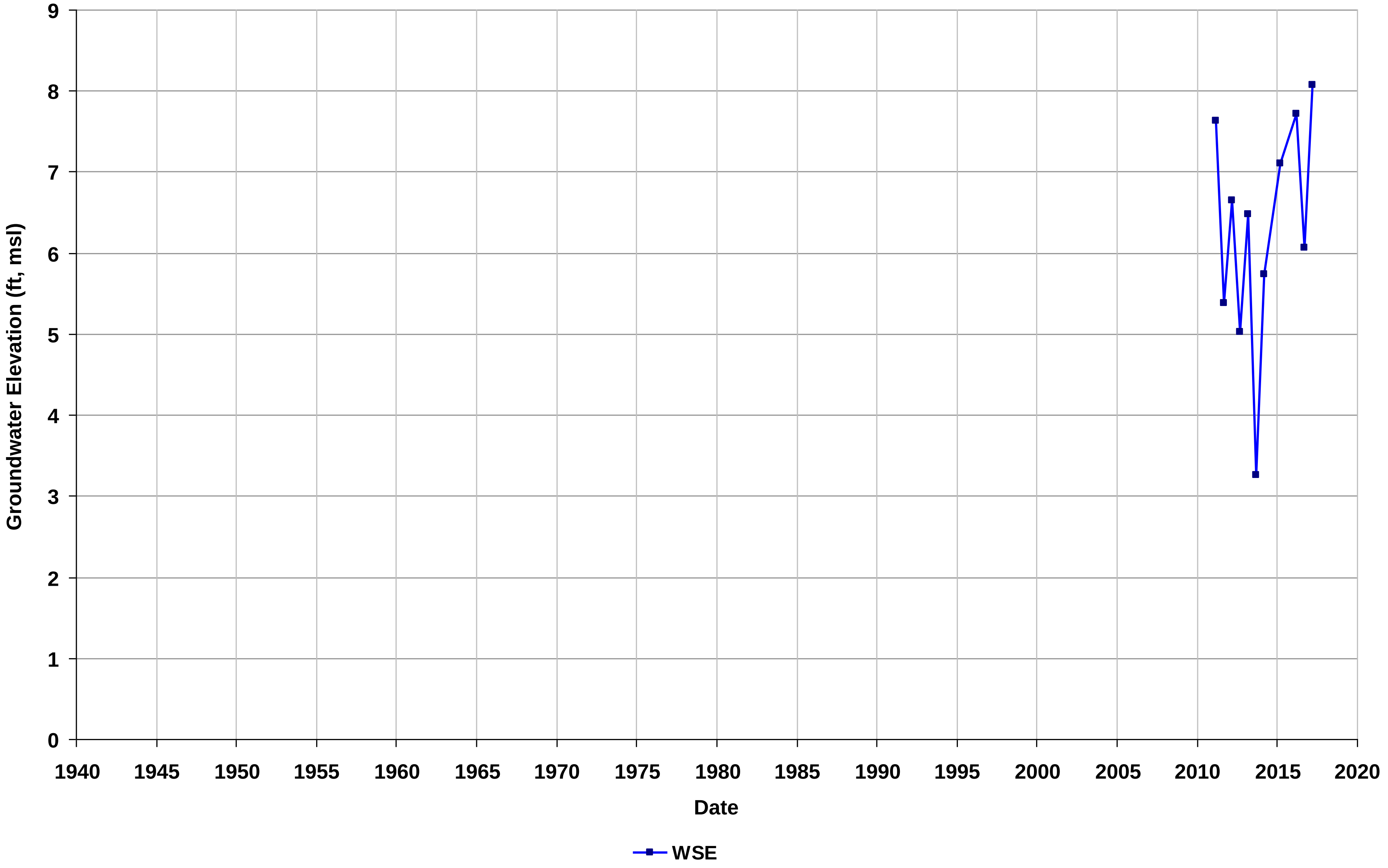
Well Name: SL0600103806-MW-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



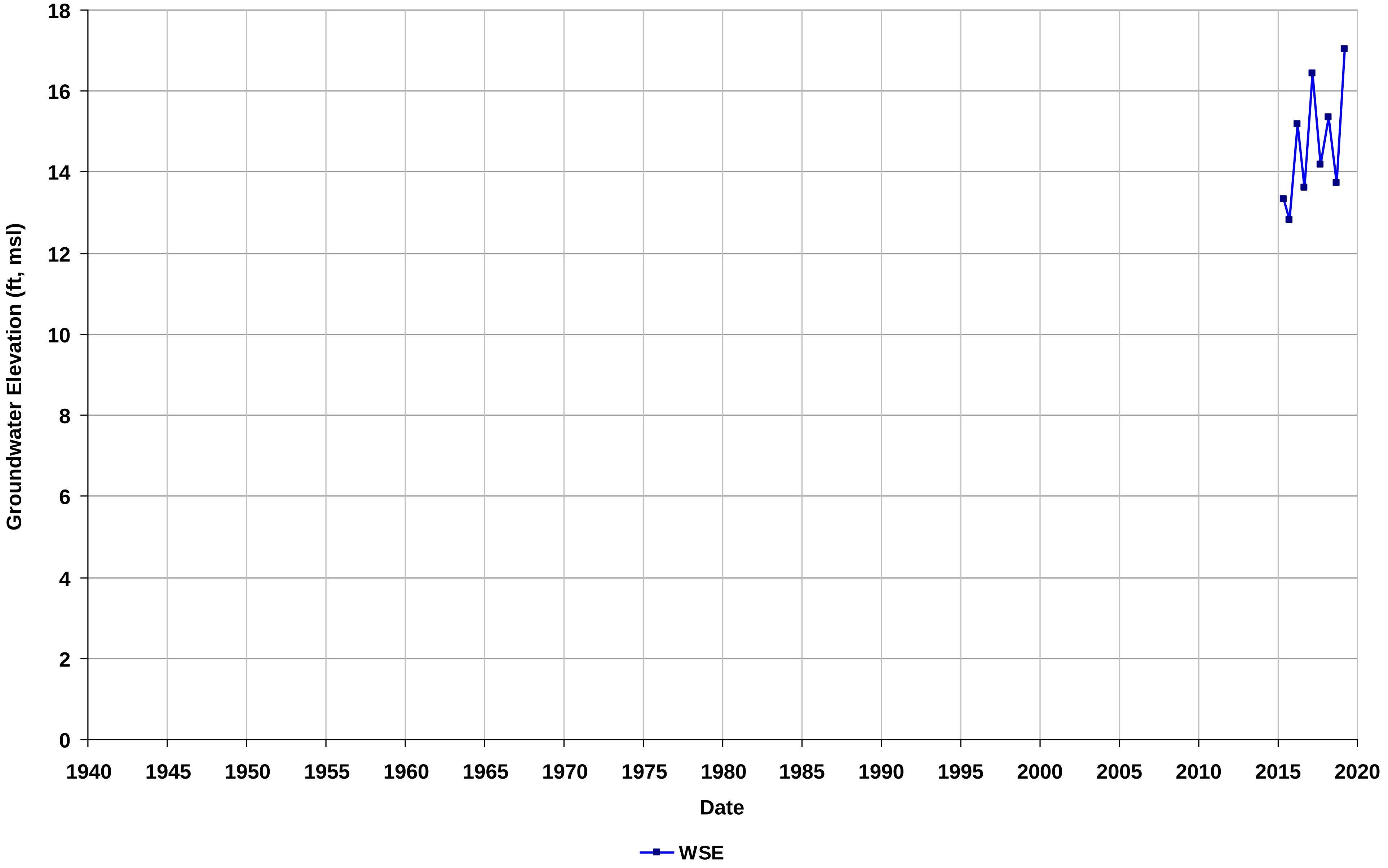
Well Name: SL0600103806-MW-7
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



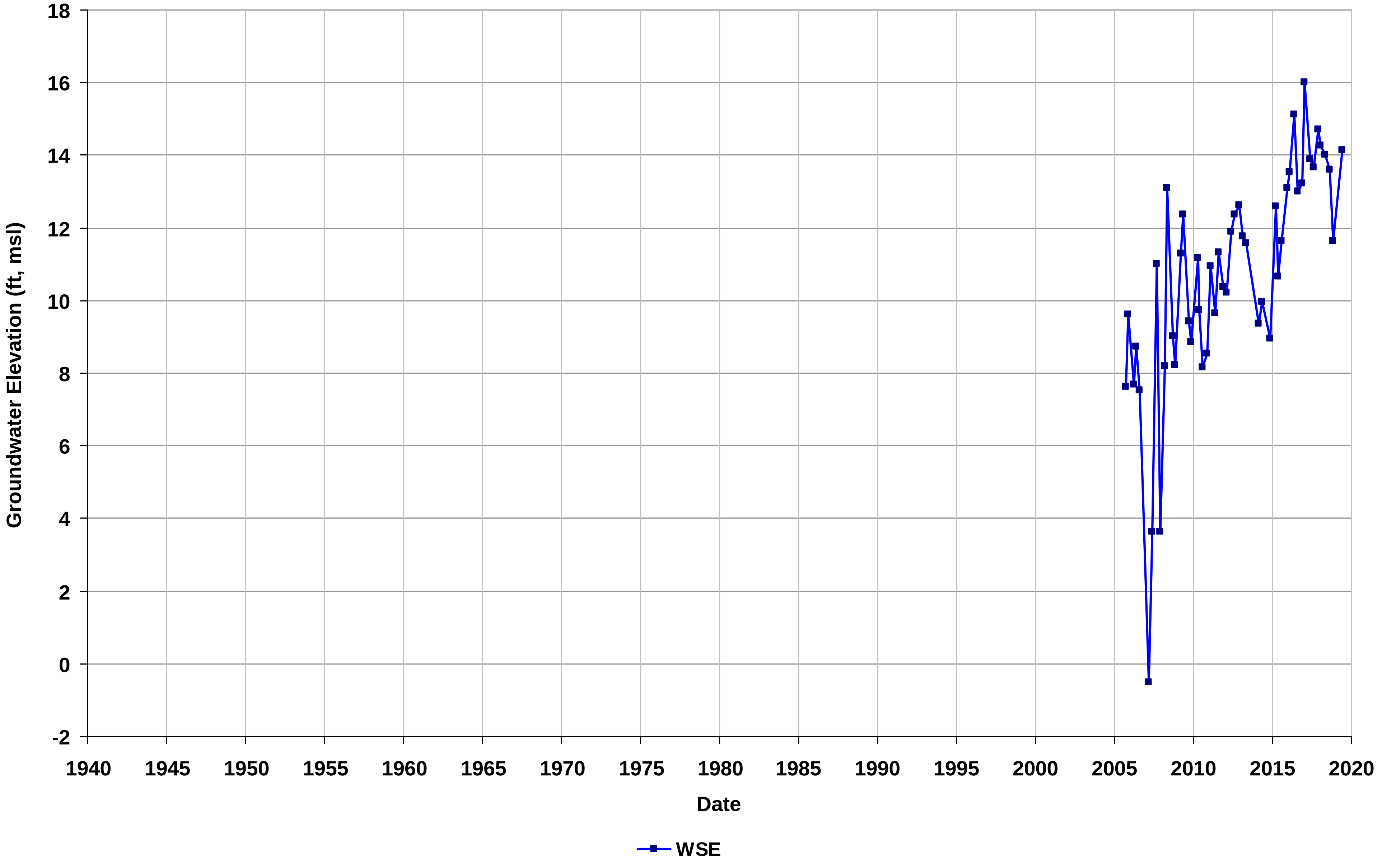
Well Name: SL0600104387-MW-9
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



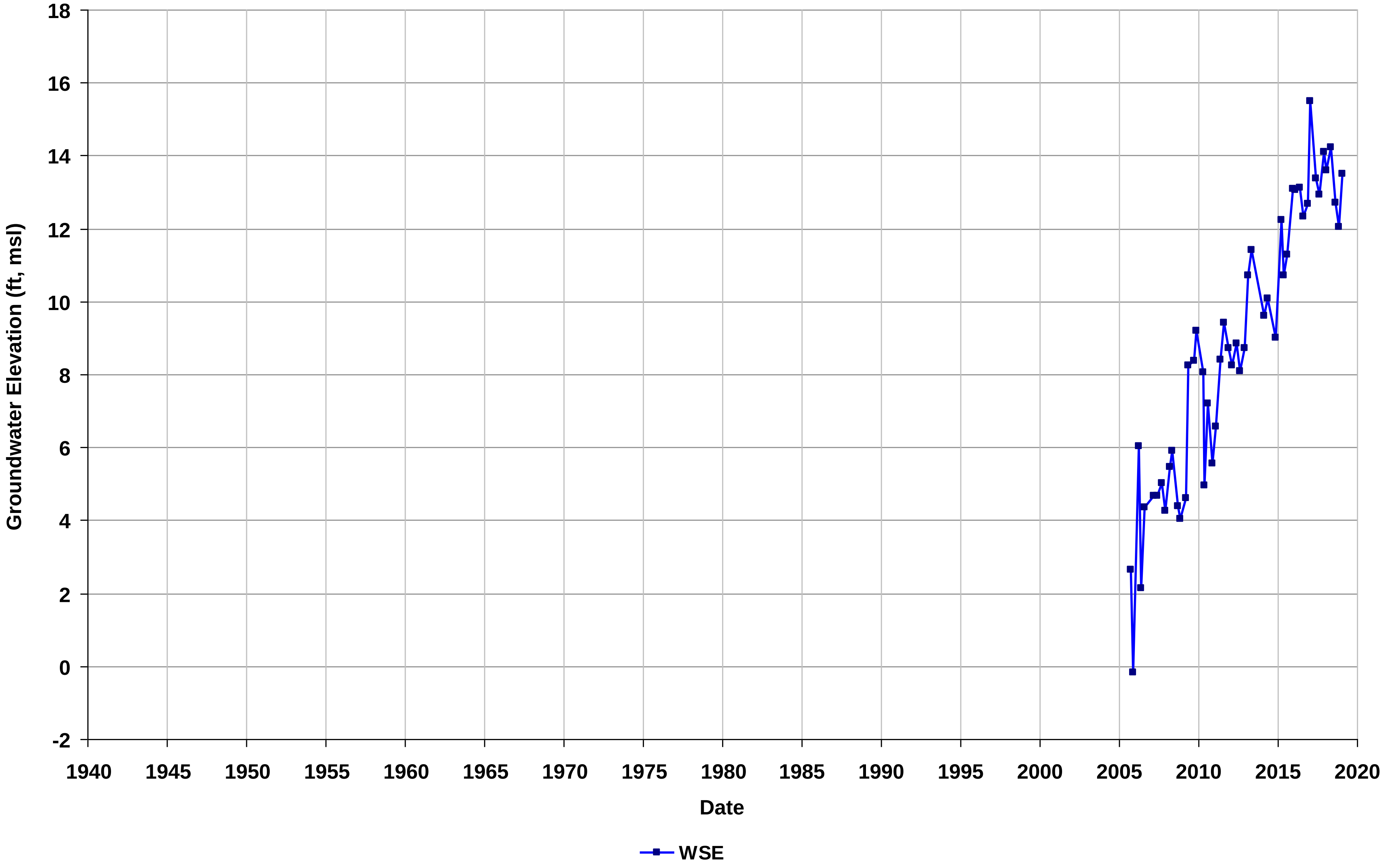
Well Name: SL0600106796-EX-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



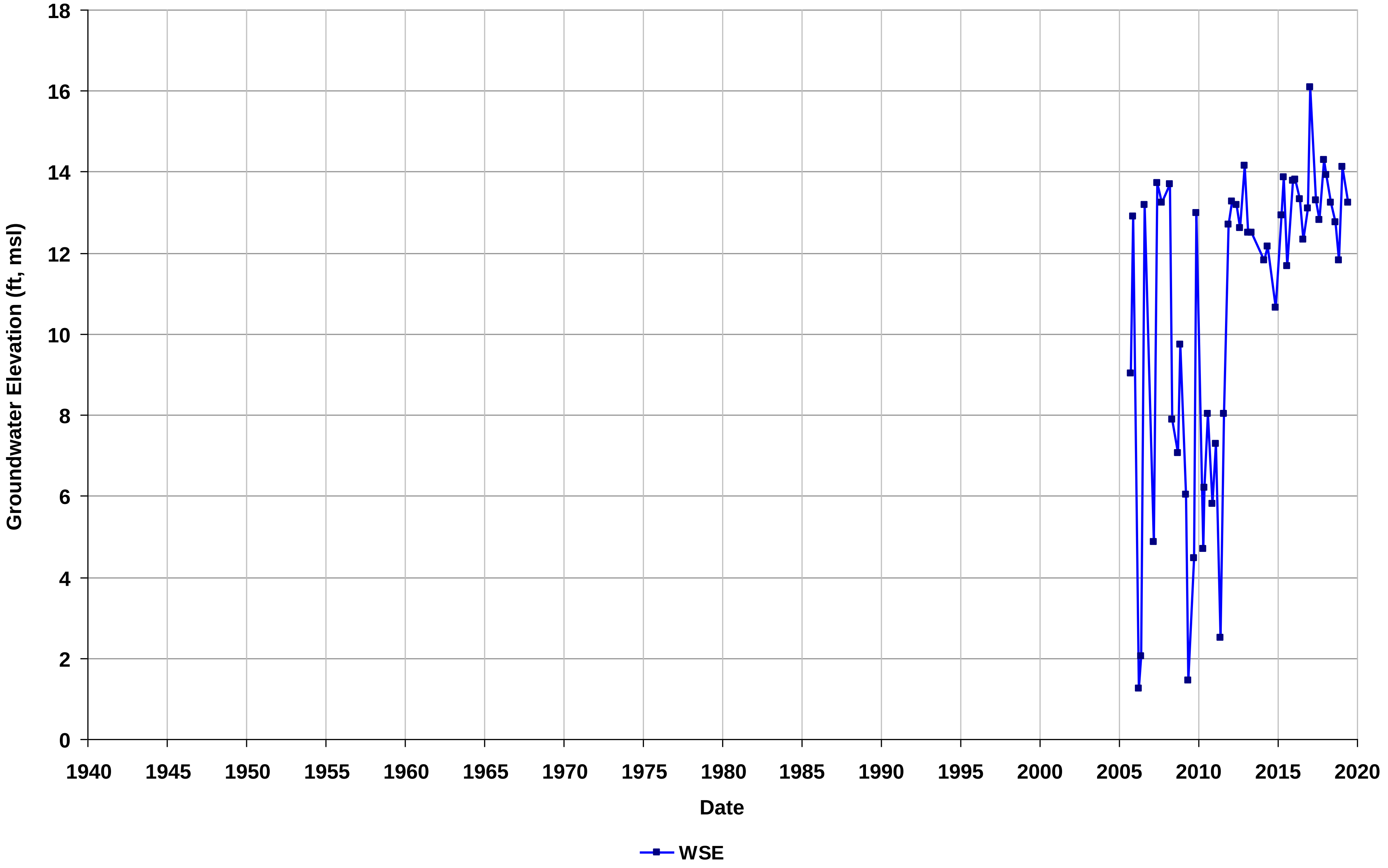
Well Name: SL0600106796-EX-2R
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



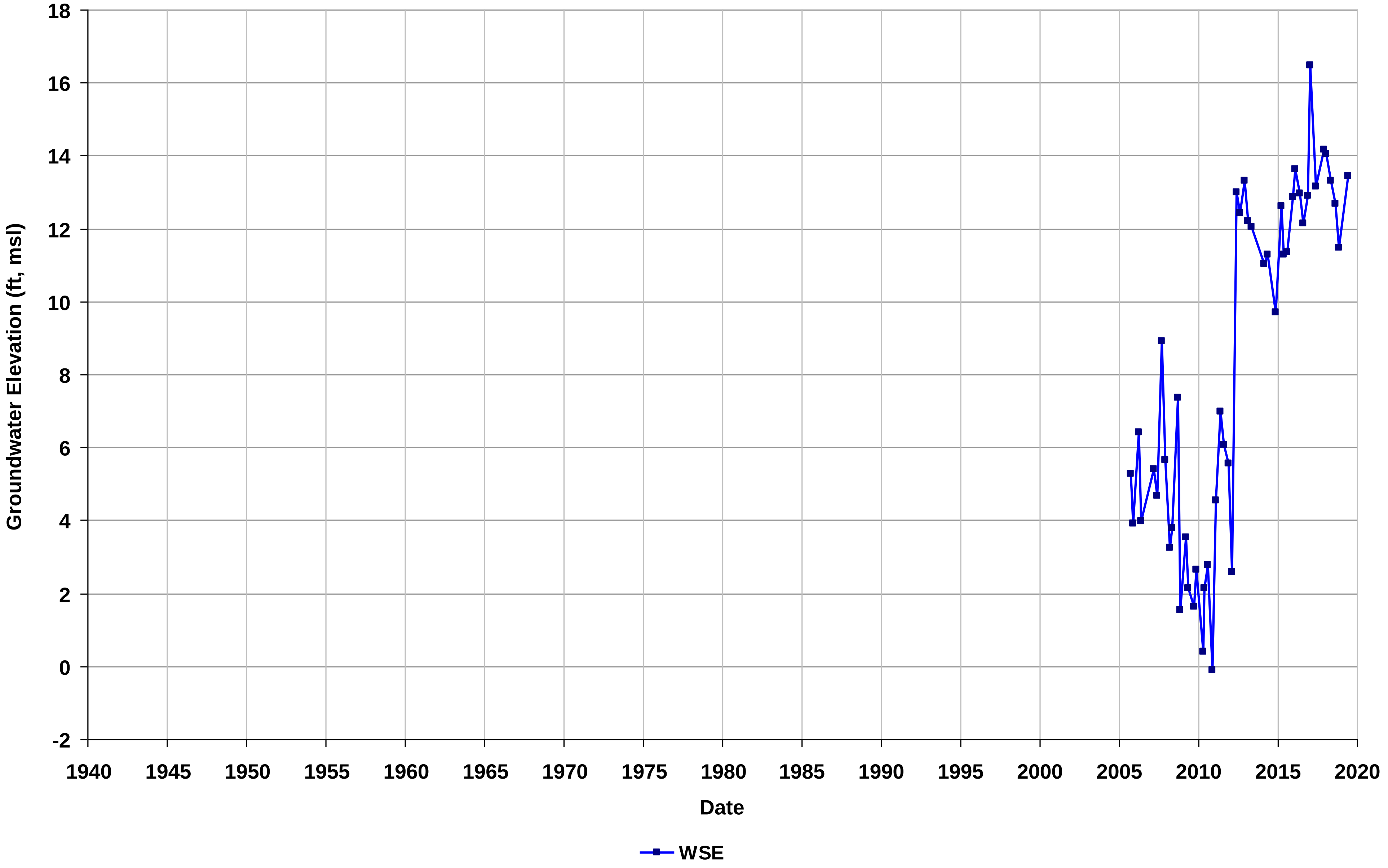
Well Name: SL0600106796-EX-3R
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



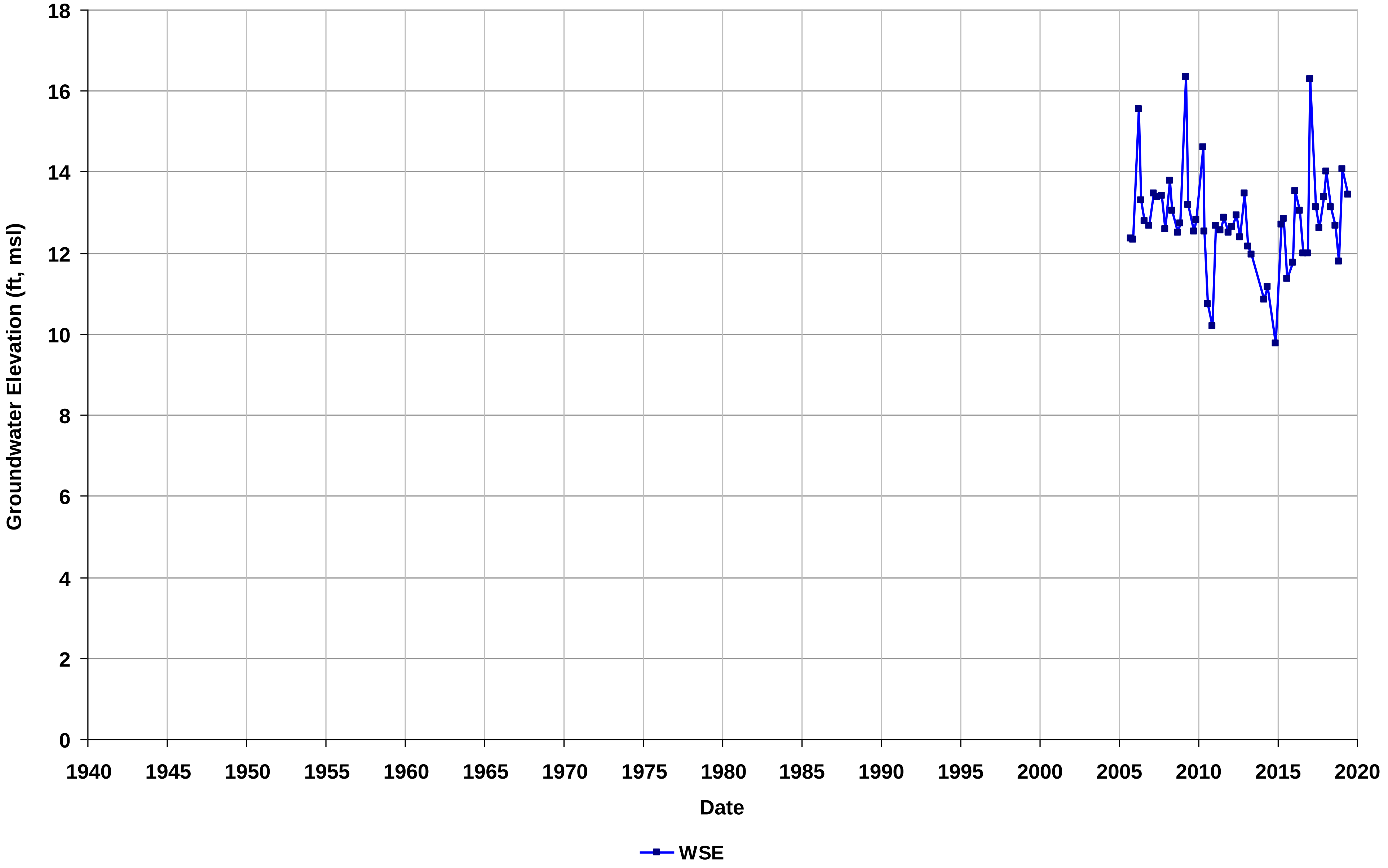
Well Name: SL0600106796-EX-4R
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



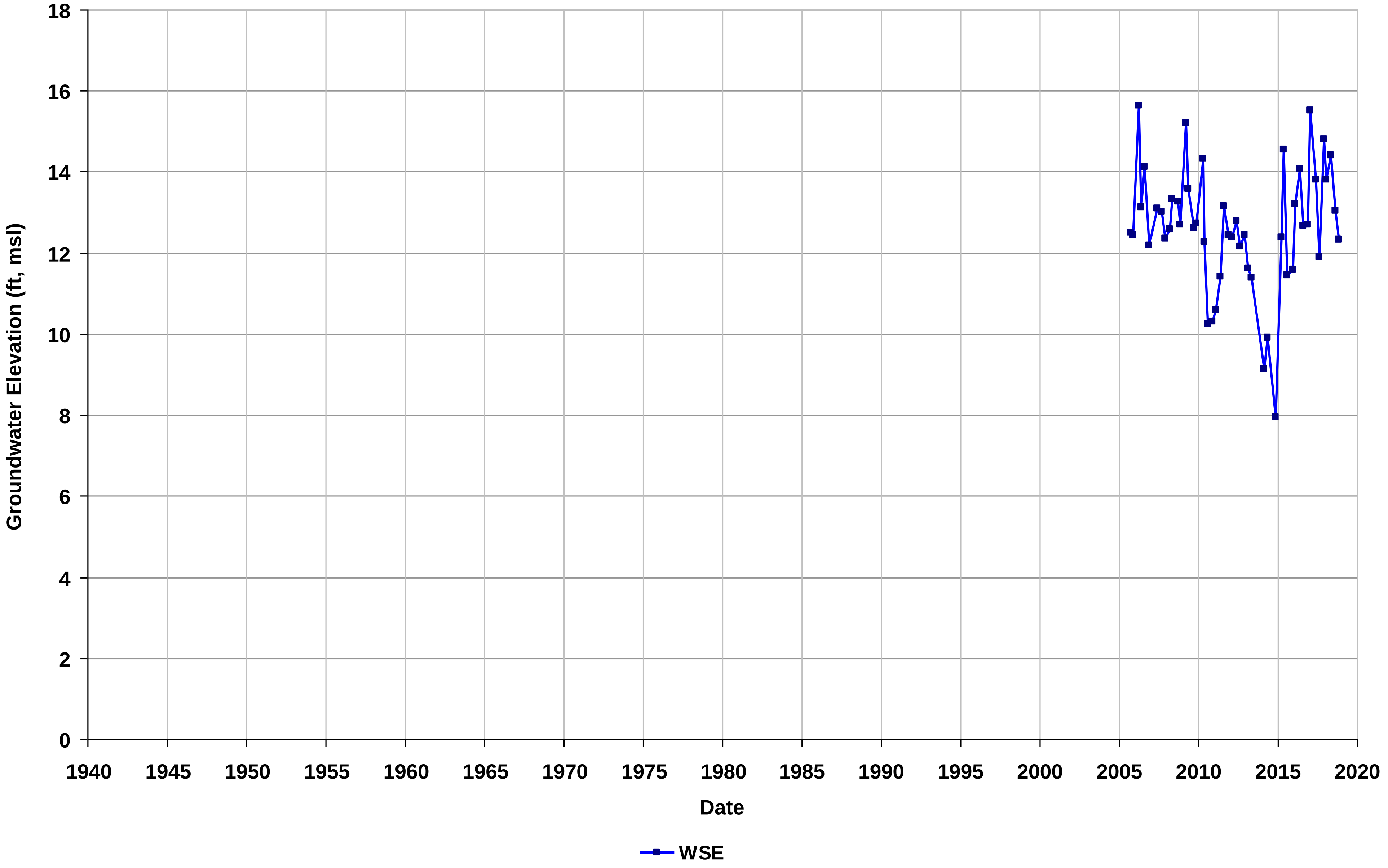
Well Name: SL0600106796-MW-12A
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



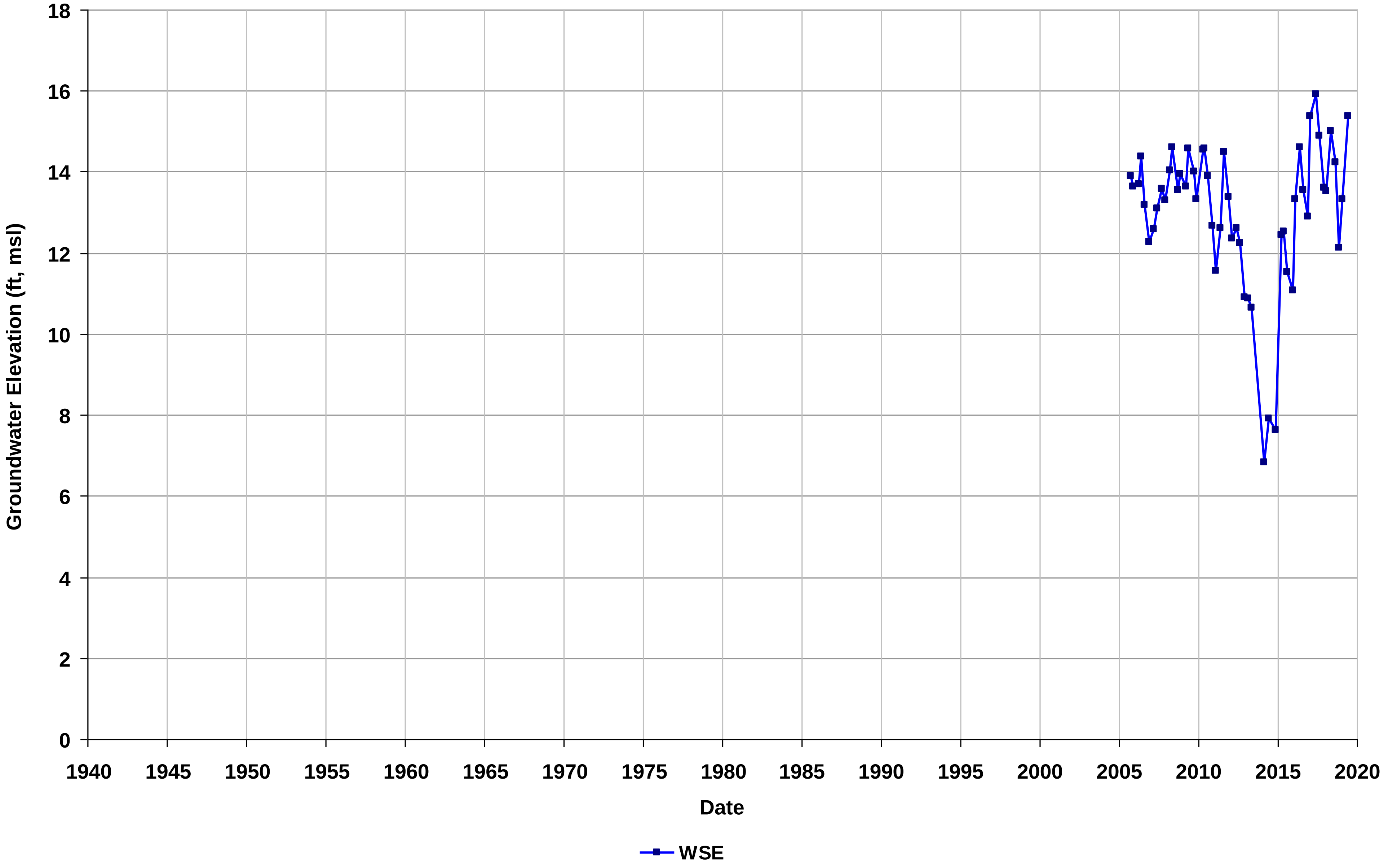
Well Name: SL0600106796-MW-13A
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



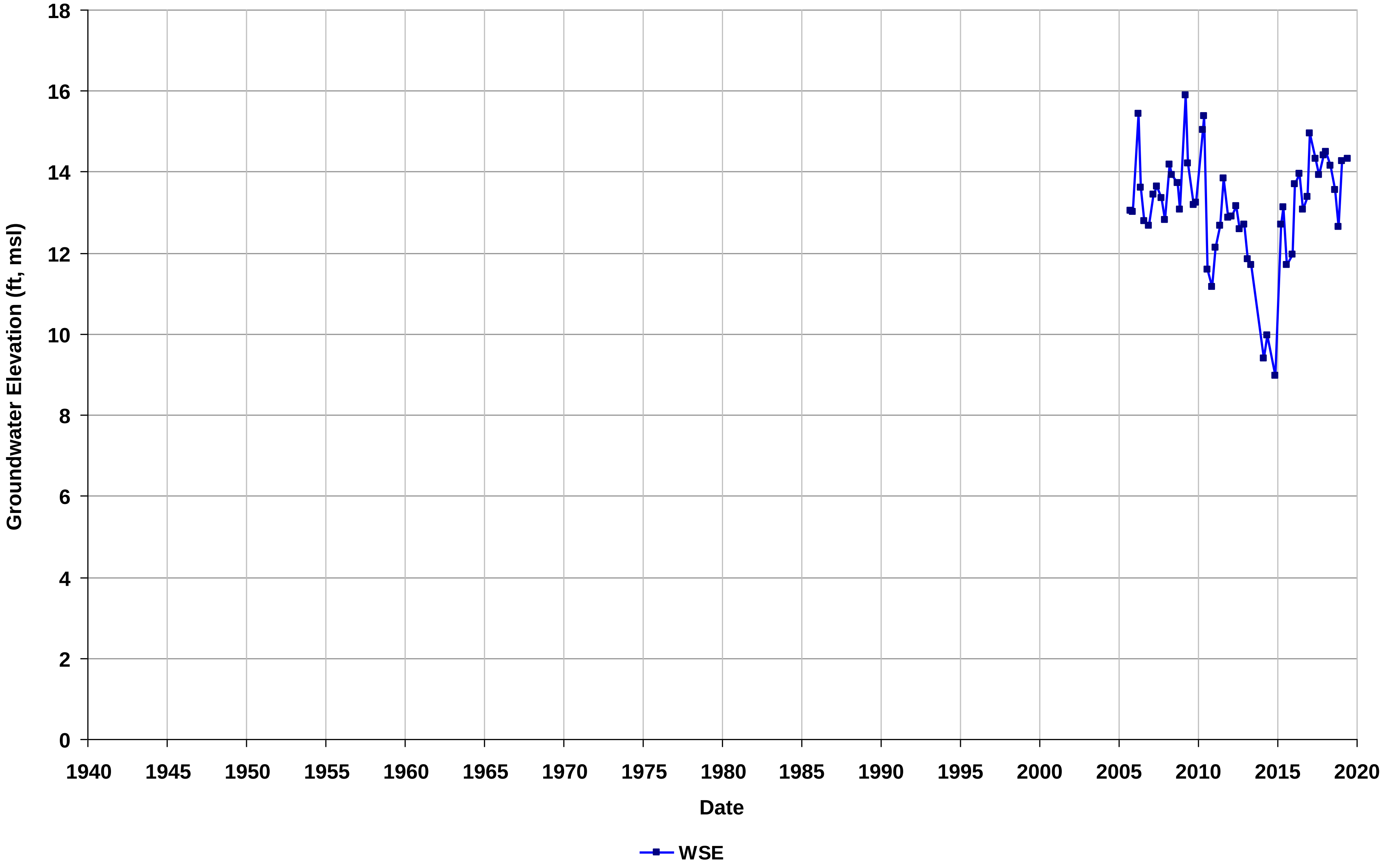
Well Name: SL0600106796-MW-17B
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



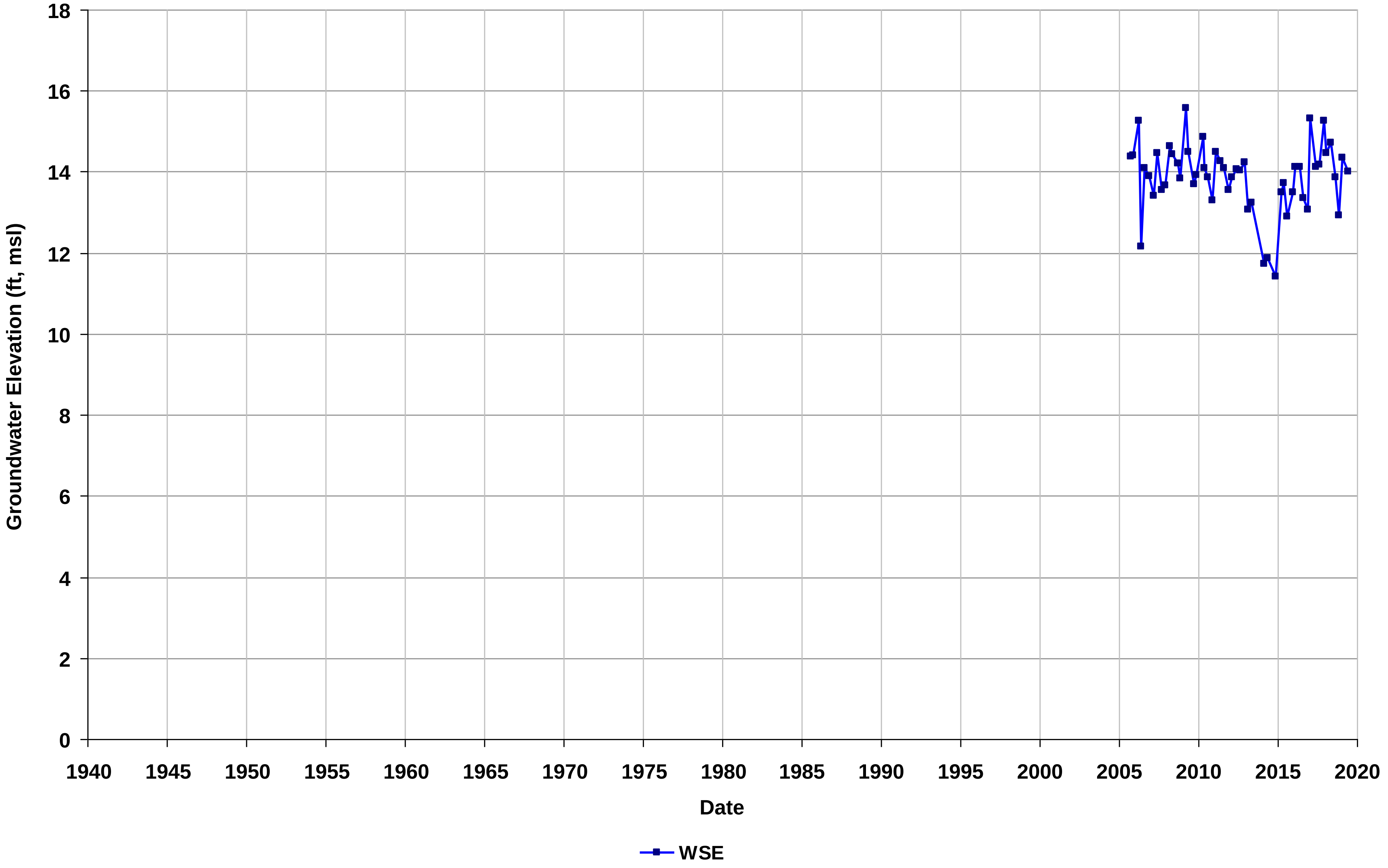
Well Name: SL0600106796-MW-18R
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



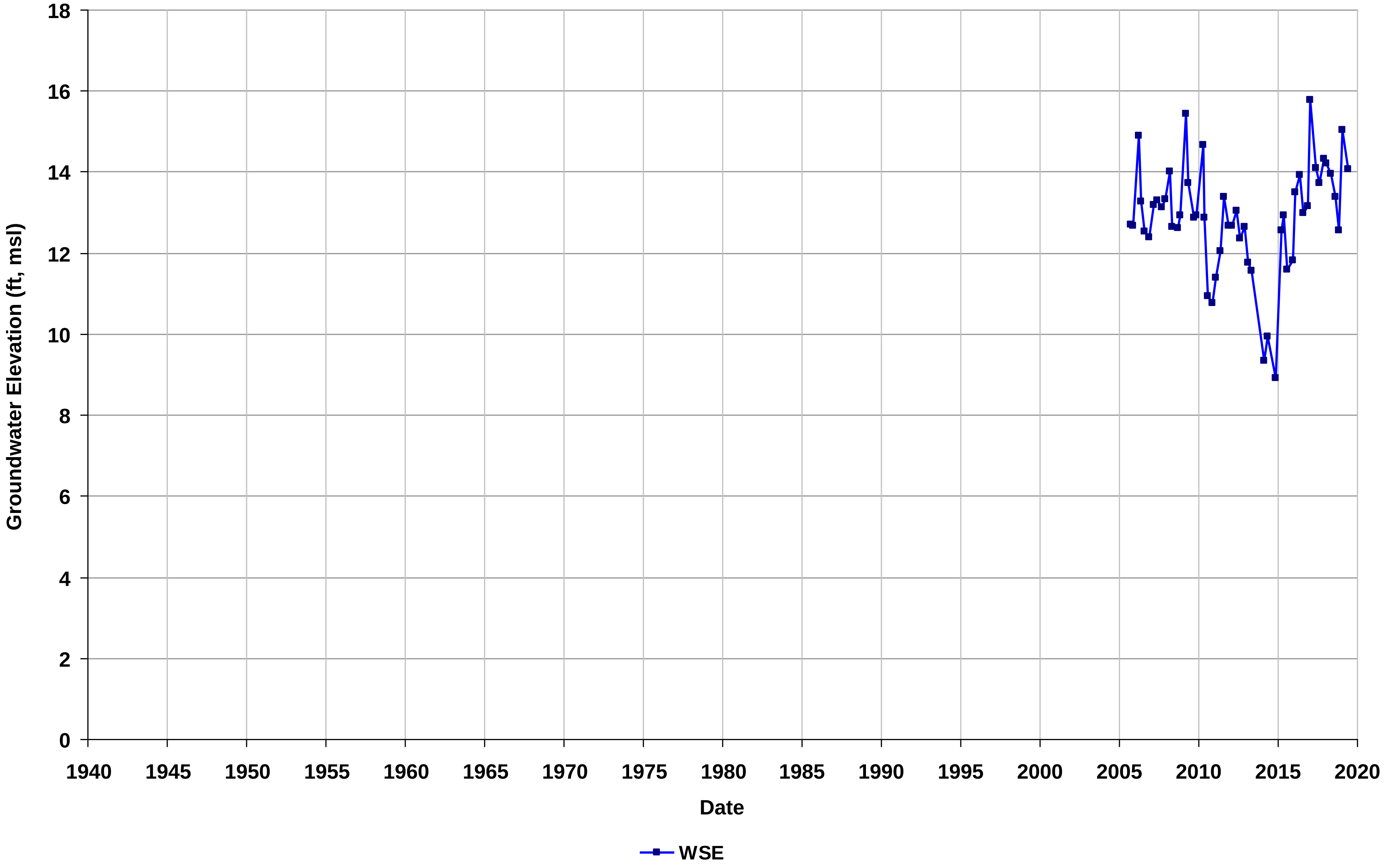
Well Name: SL0600106796-MW-1R
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



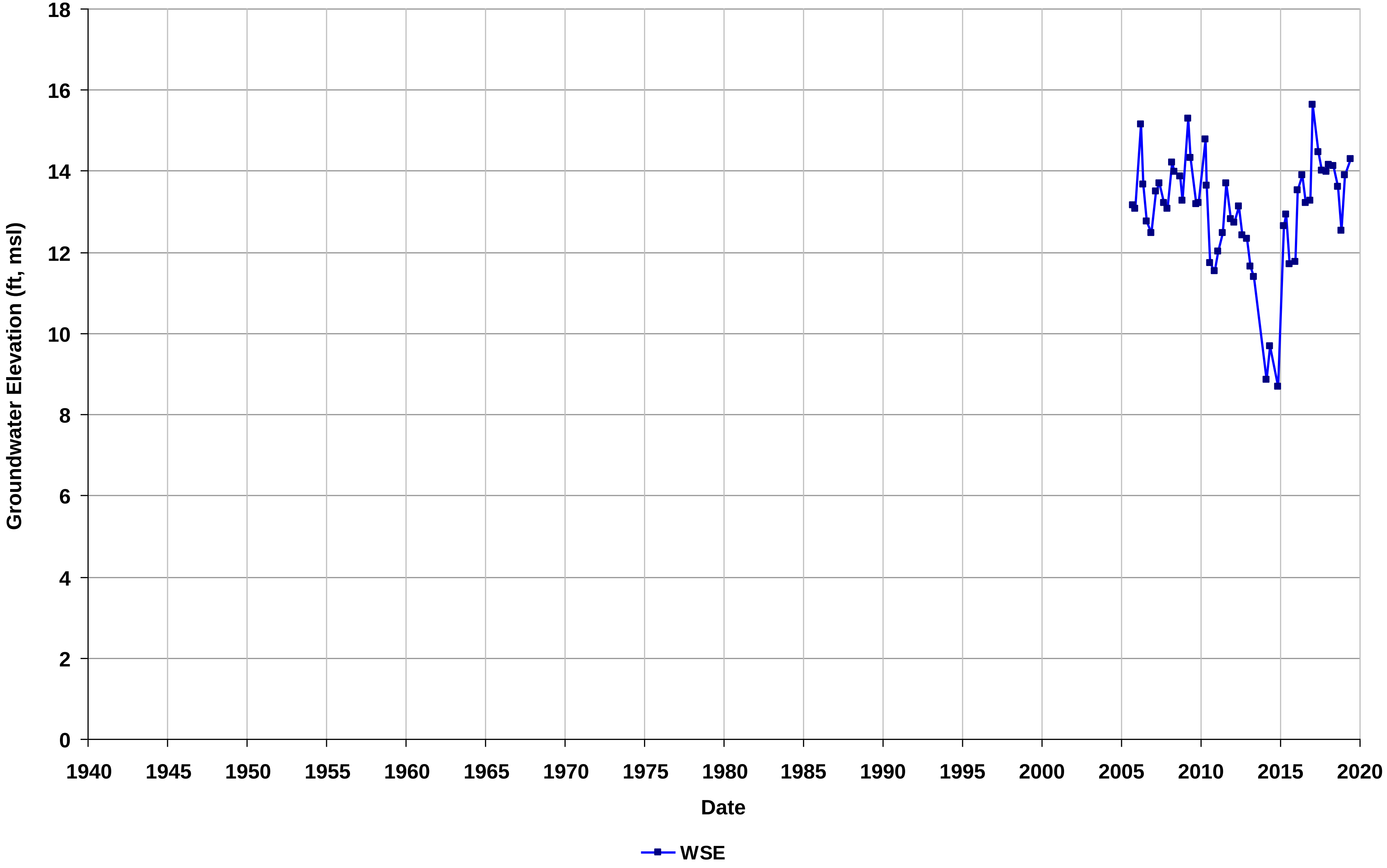
Well Name: SL0600106796-MW-20R
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



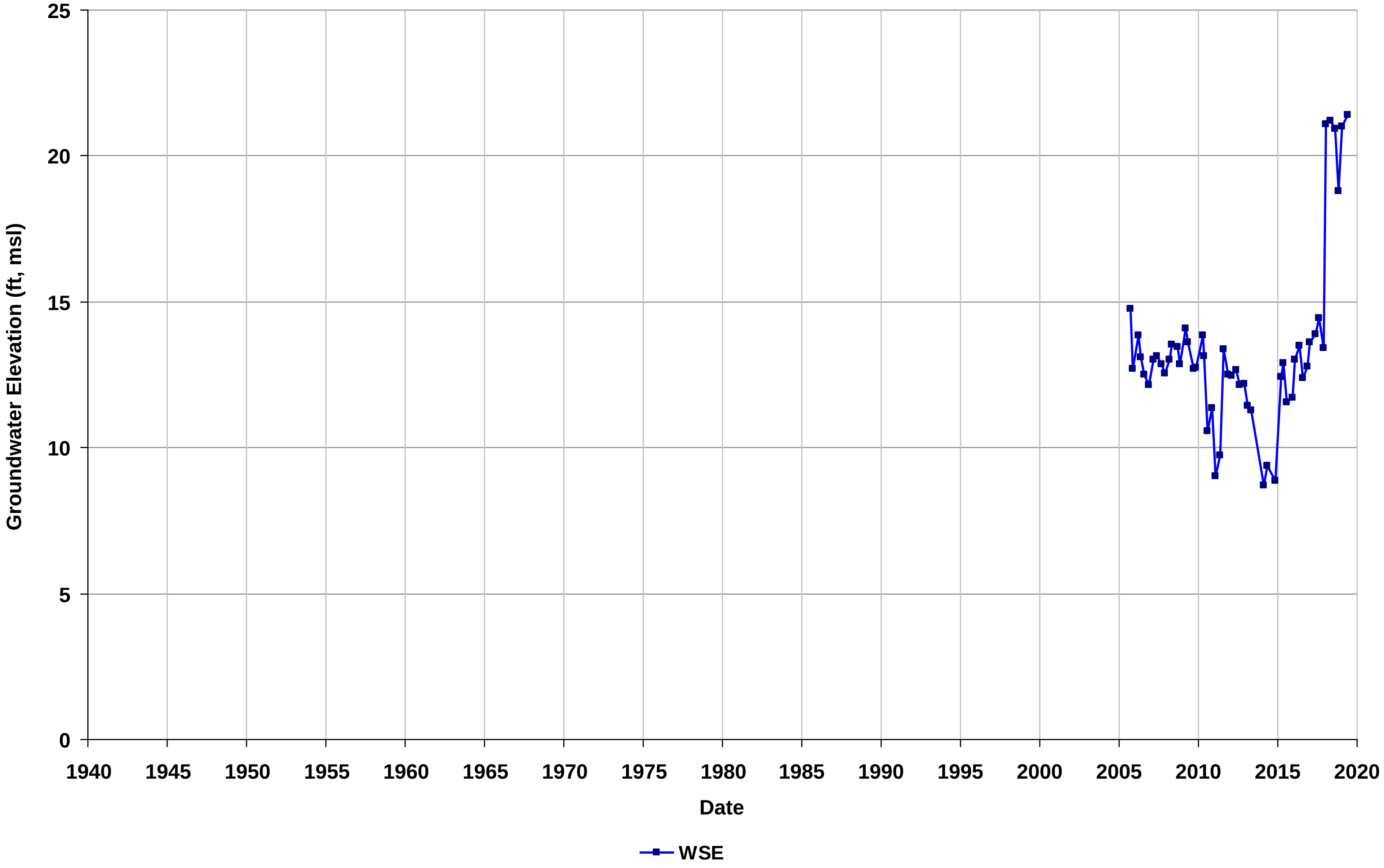
Well Name: SL0600106796-MW-21R
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



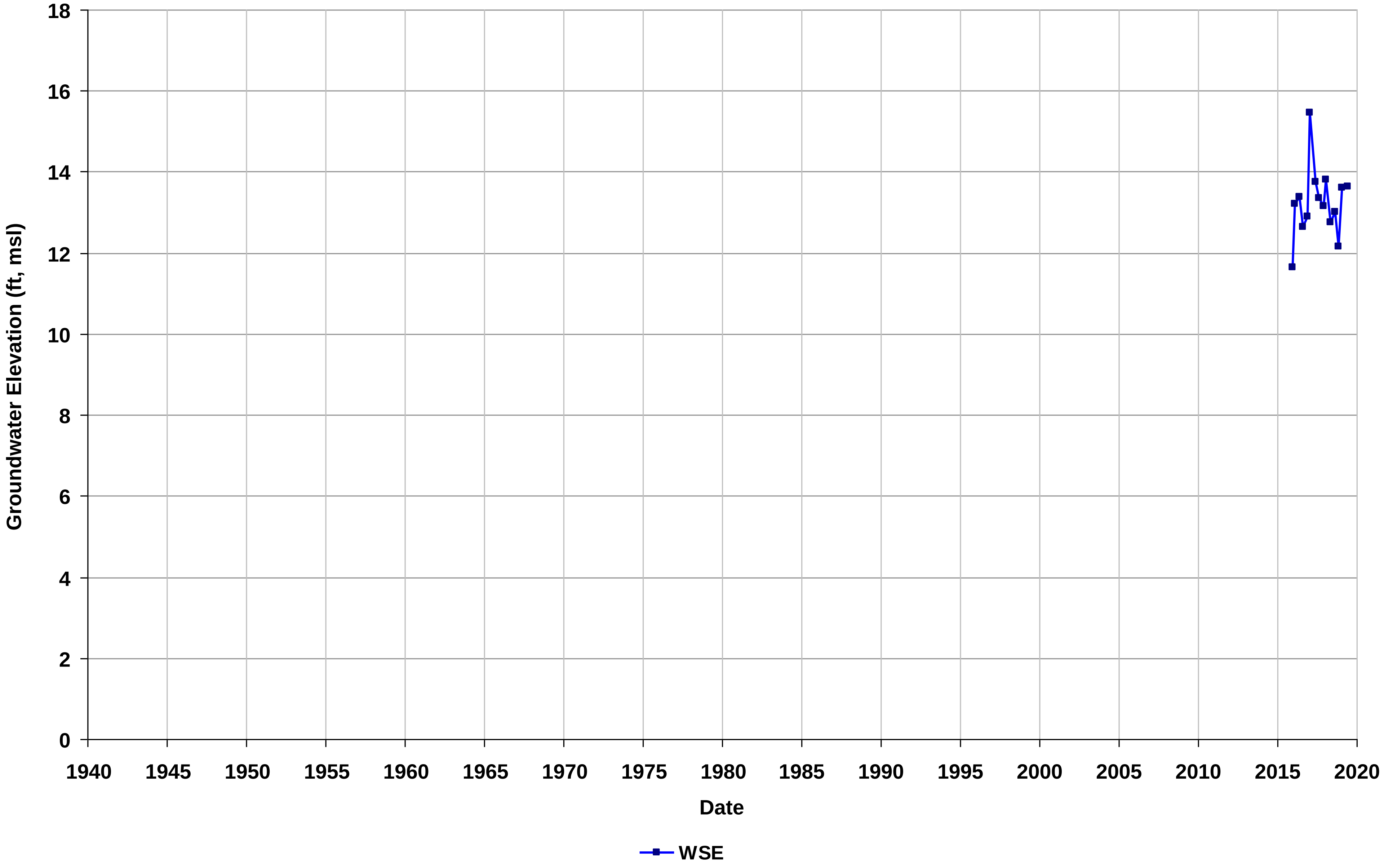
Well Name: SL0600106796-MW-22A
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



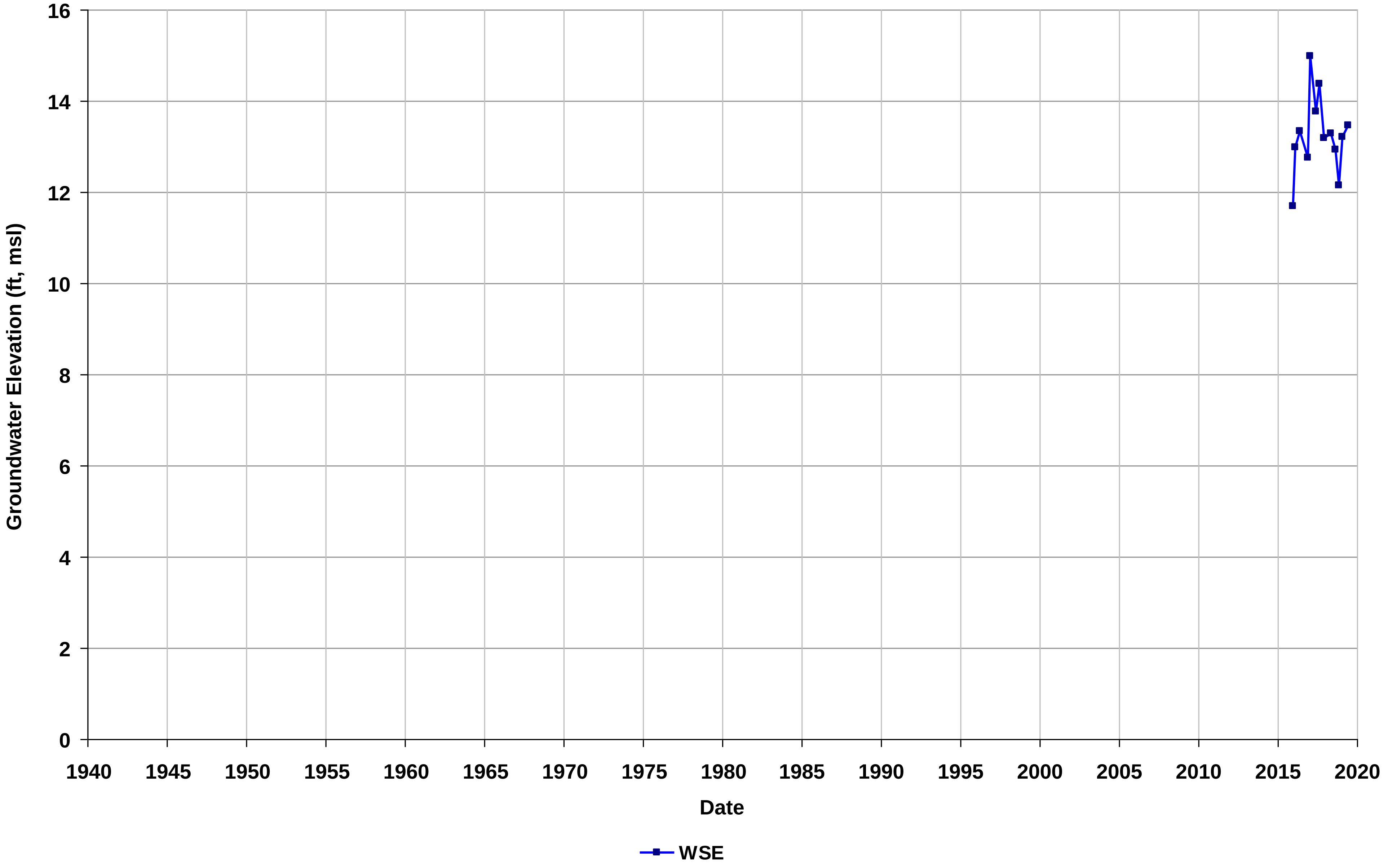
Well Name: SL0600106796-MW-23A
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



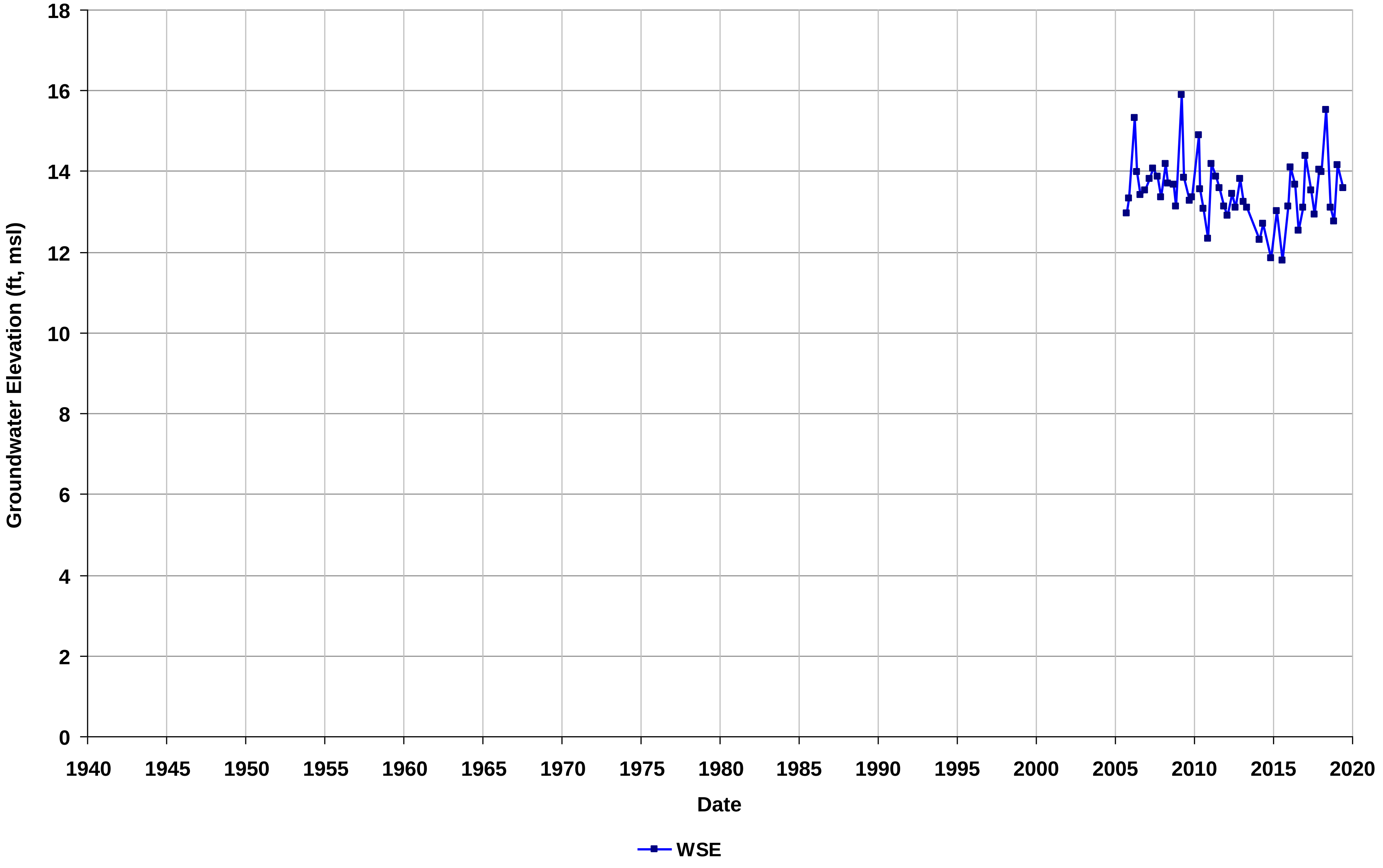
Well Name: SL0600106796-MW-24A
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



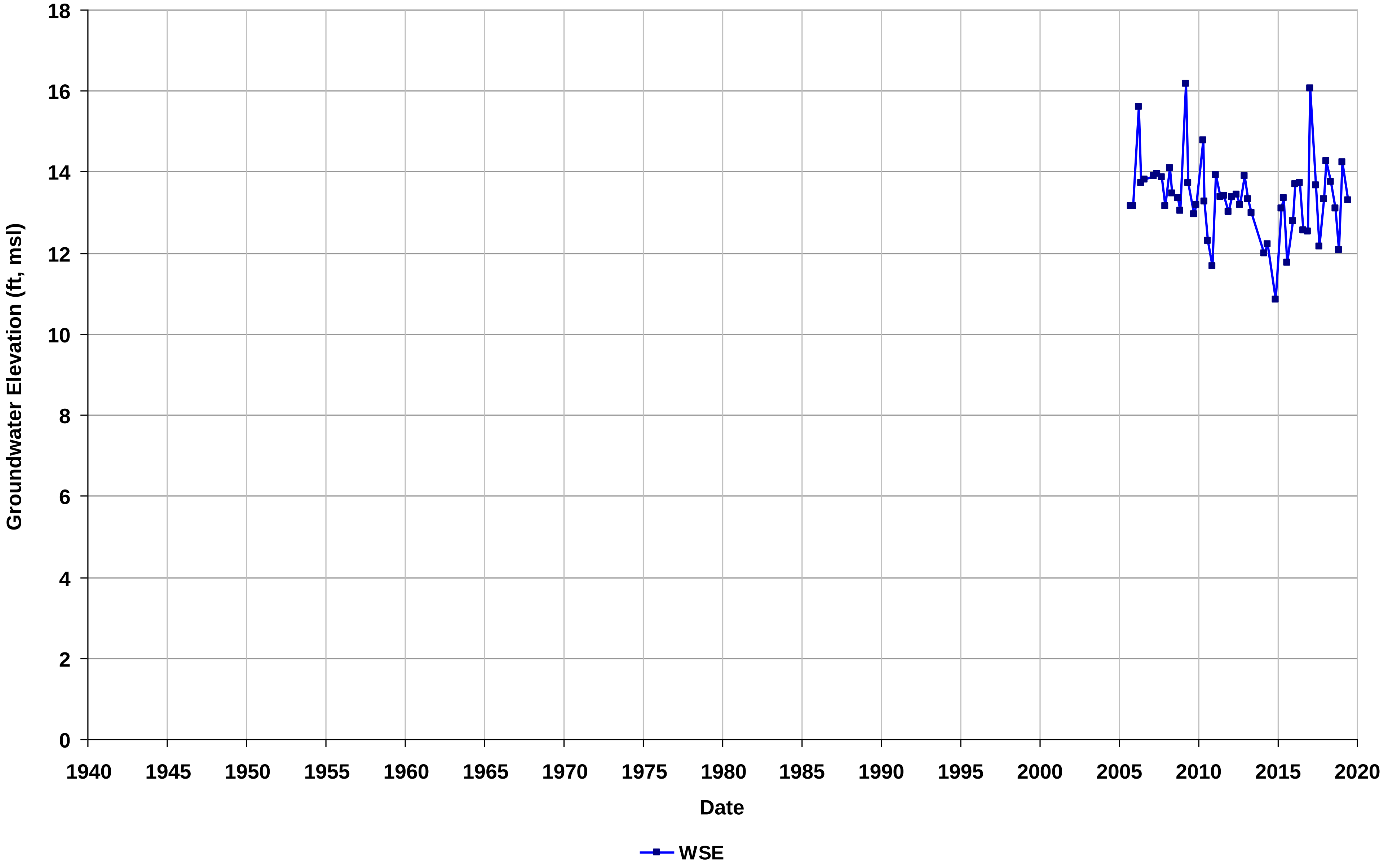
Well Name: SL0600106796-MW-2R
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



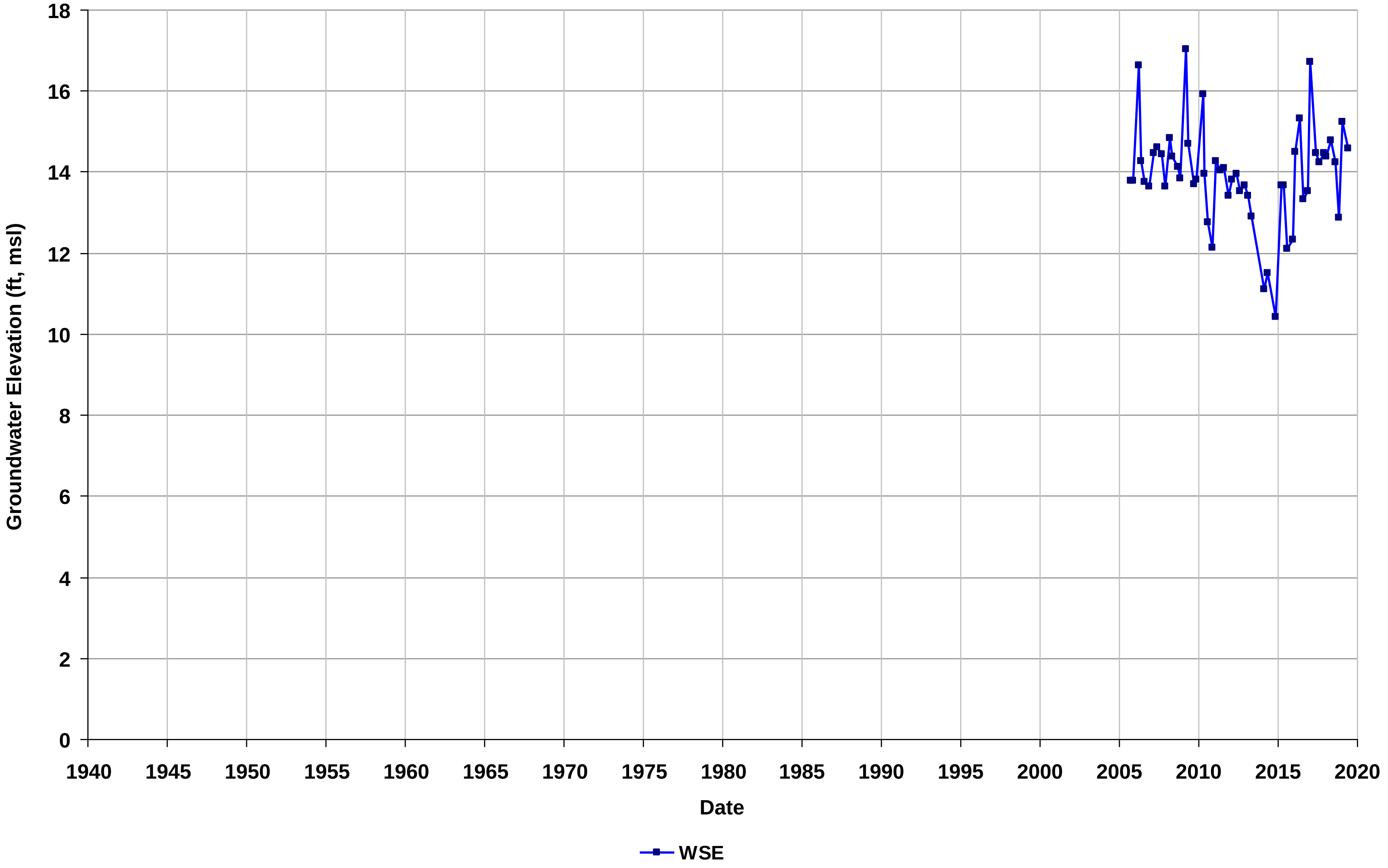
Well Name: SL0600106796-MW-3R
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



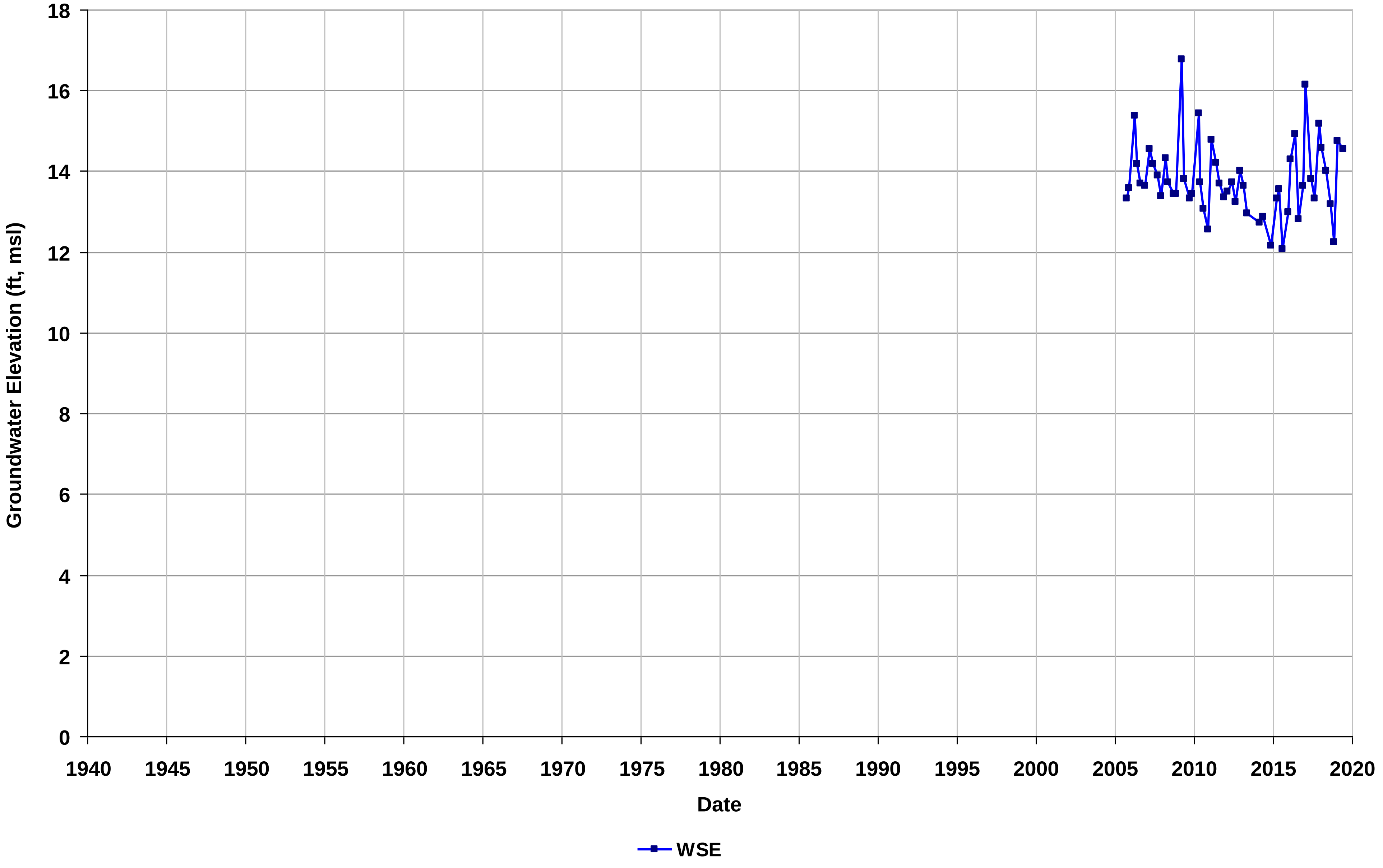
Well Name: SL0600106796-MW-4R
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



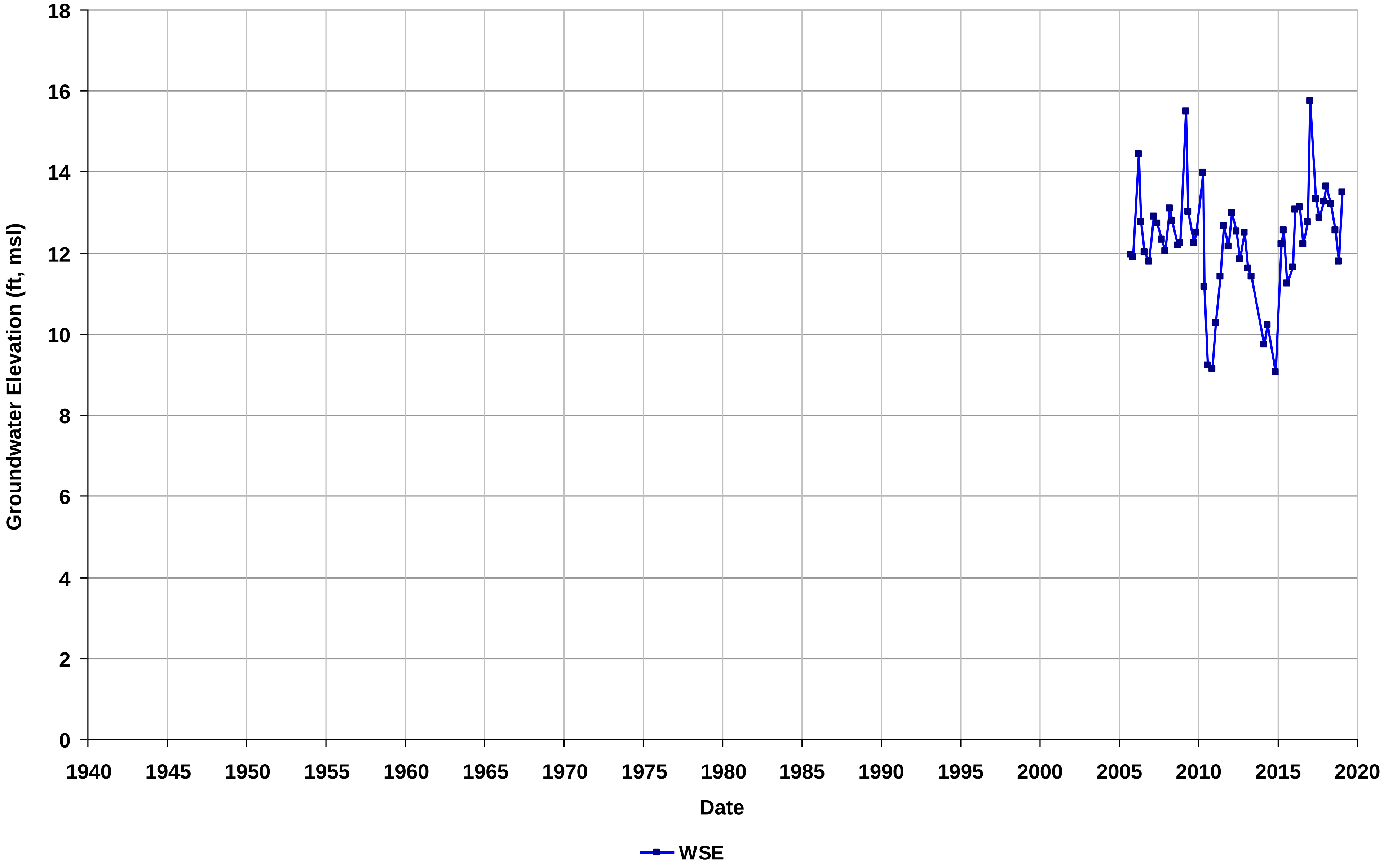
Well Name: SL0600106796-MW-9R
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



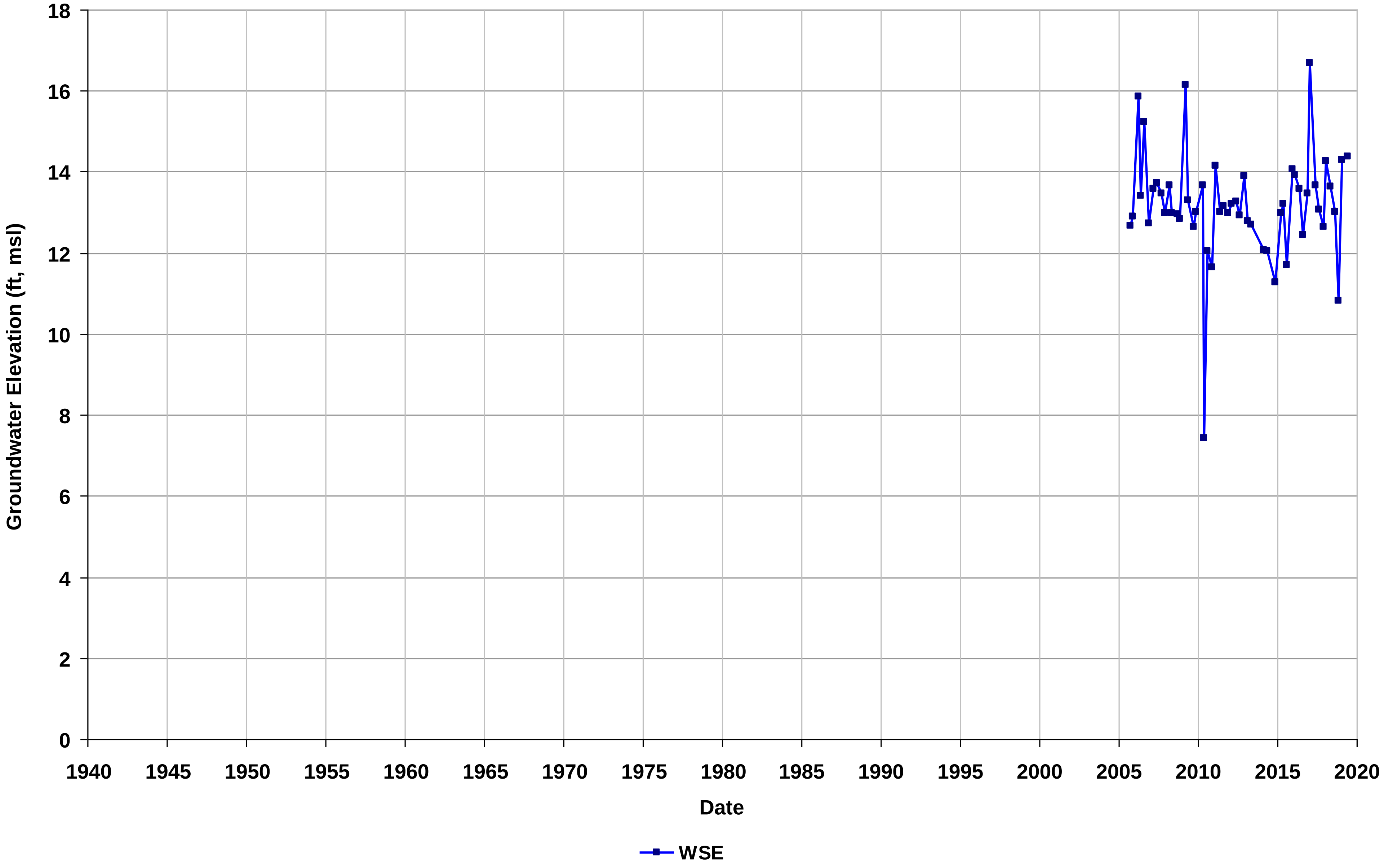
Well Name: SL0600106796-P-1R
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



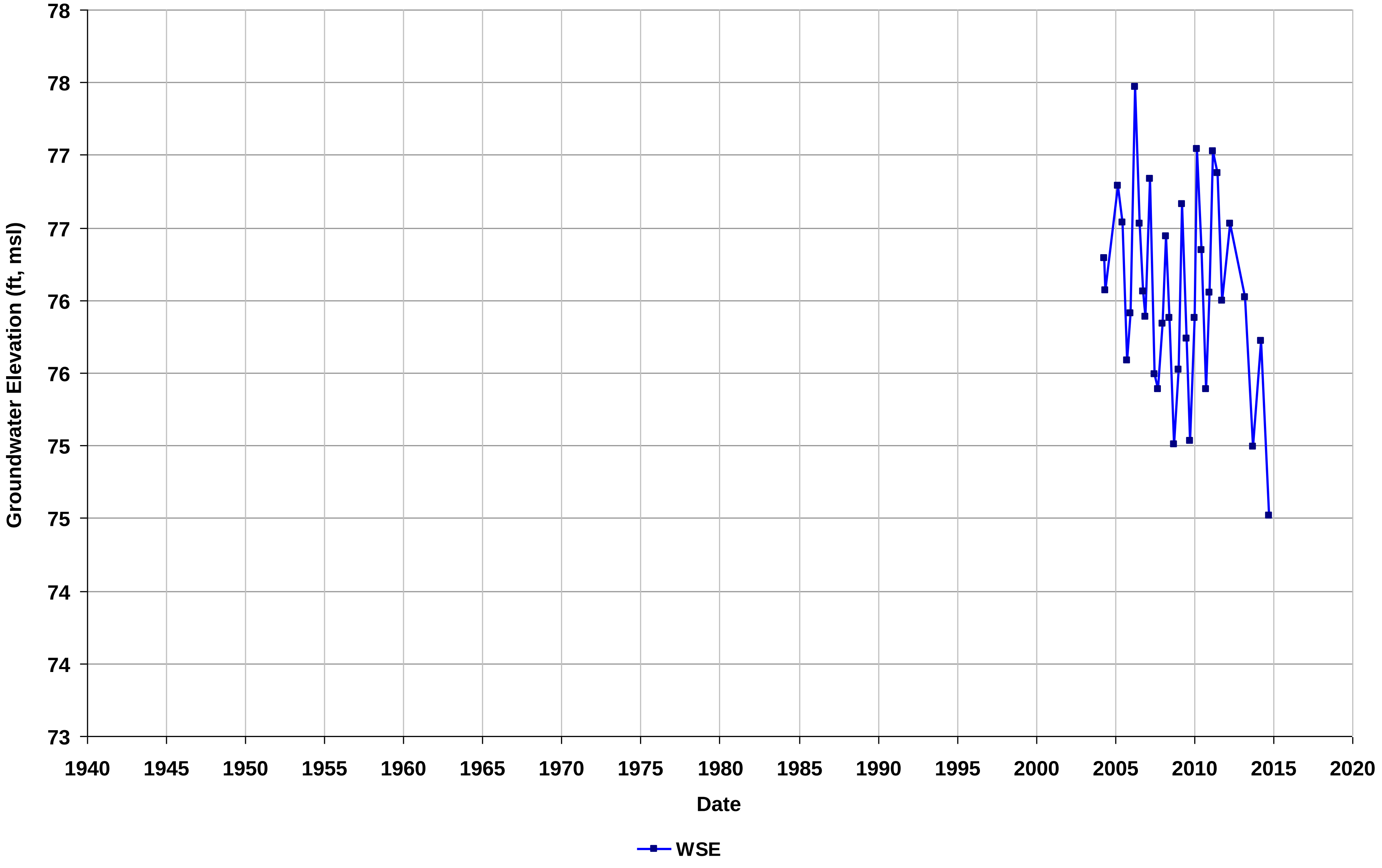
Well Name: SL0600106796-P-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



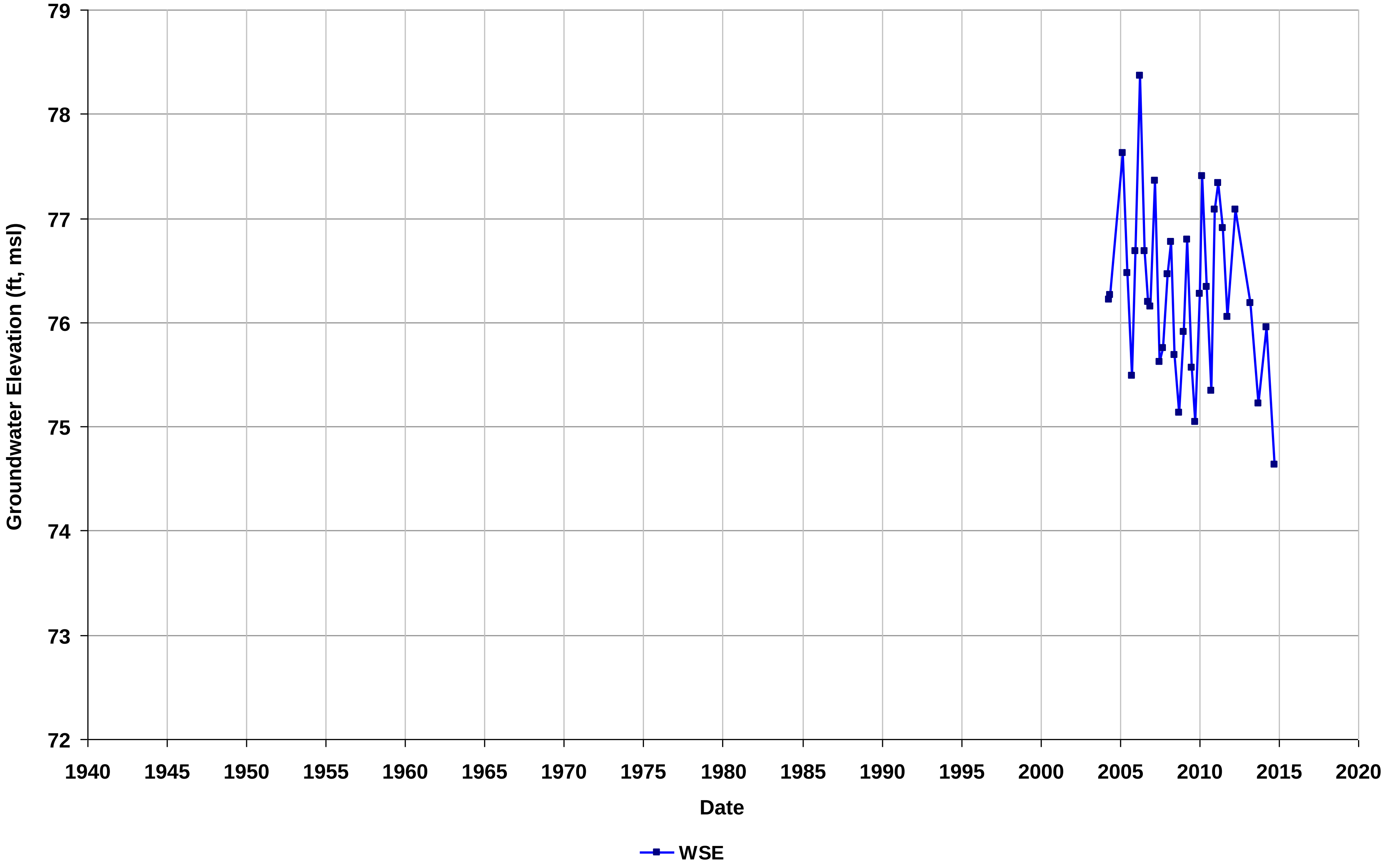
Well Name: SL0600114143-MW-A1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/34
Well Use: Observation



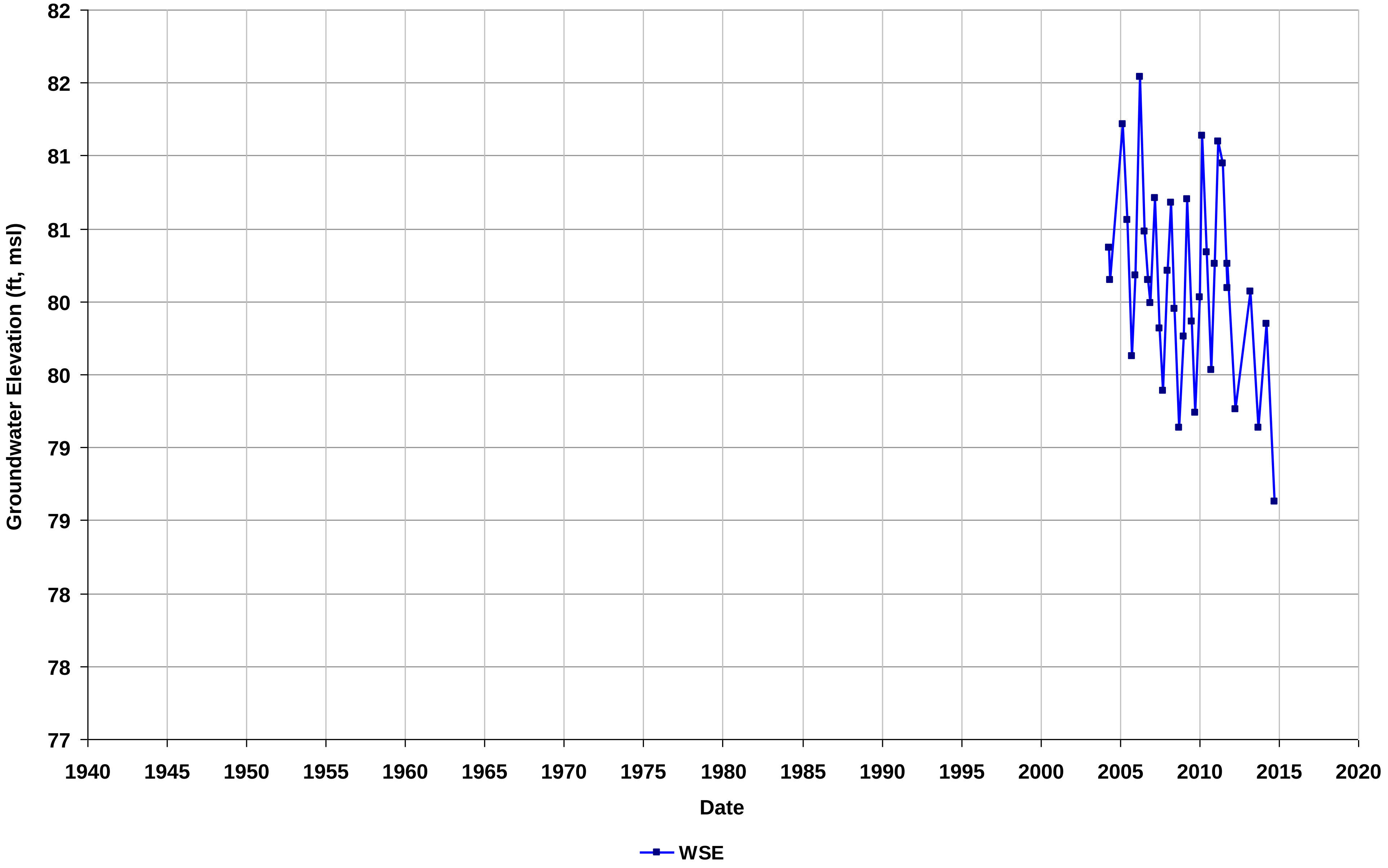
Well Name: SL0600114143-MW-A2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/34
Well Use: Observation



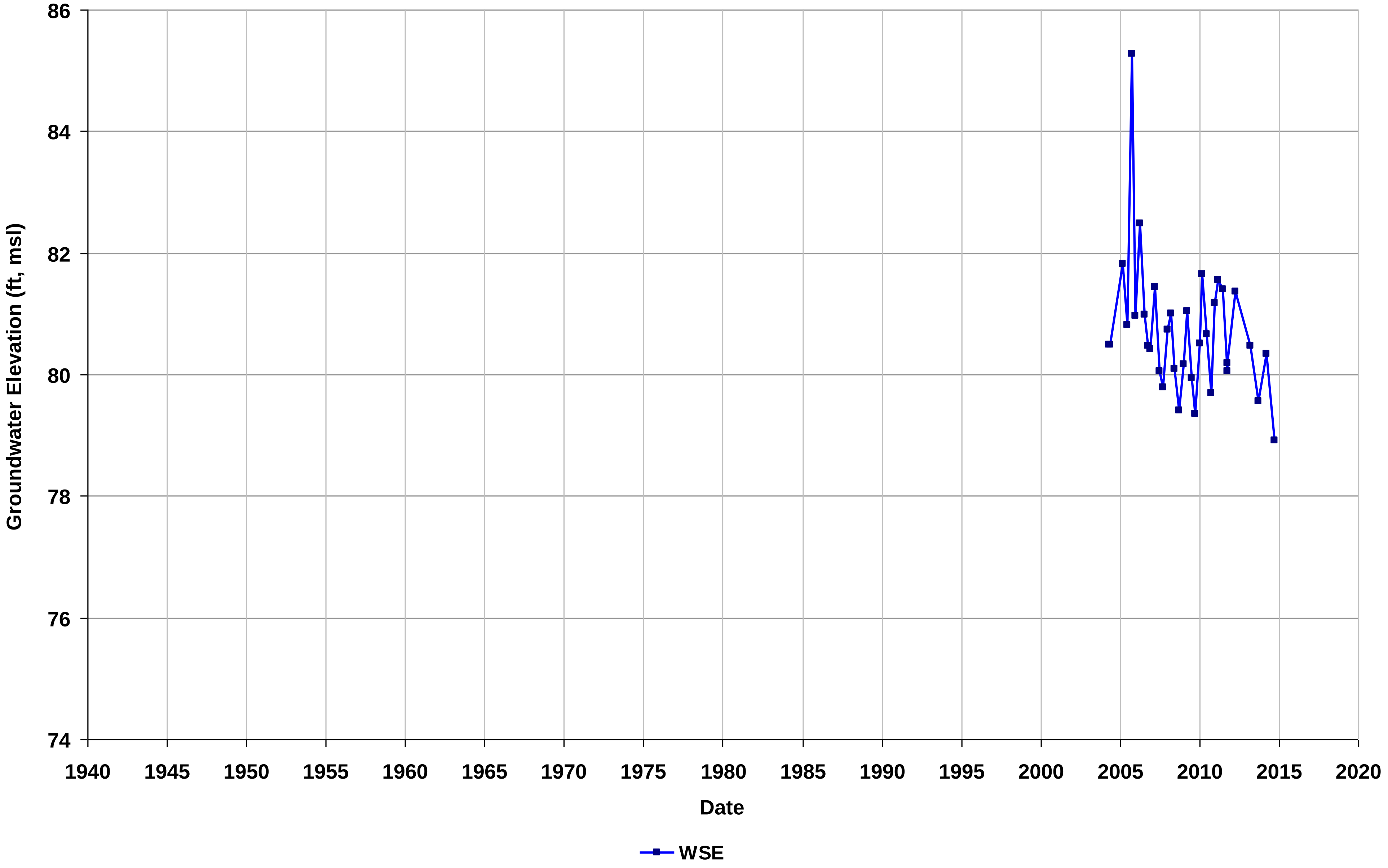
Well Name: SL0600114143-MW-B1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/34
Well Use: Observation



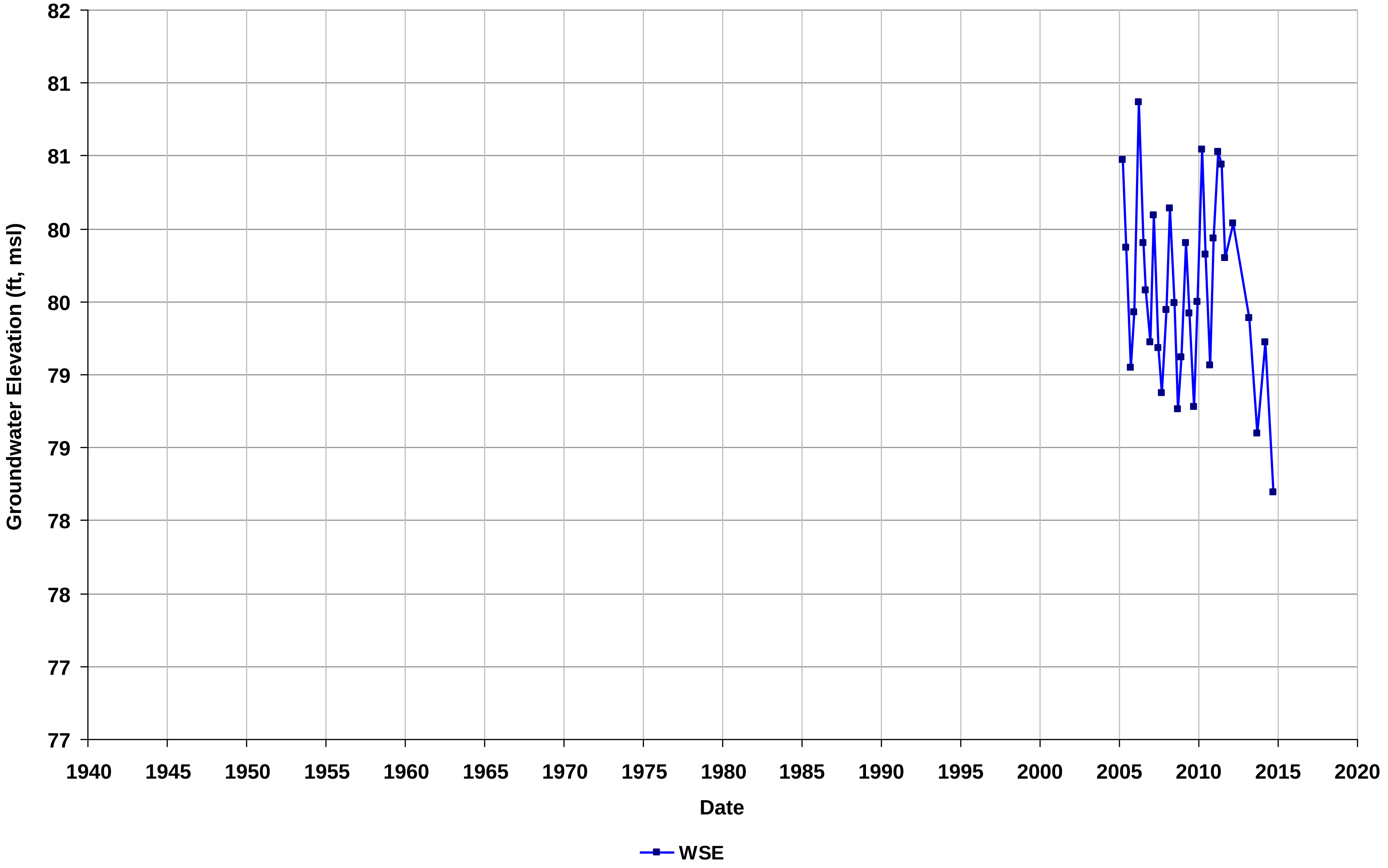
Well Name: SL0600114143-MW-B2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/34
Well Use: Observation



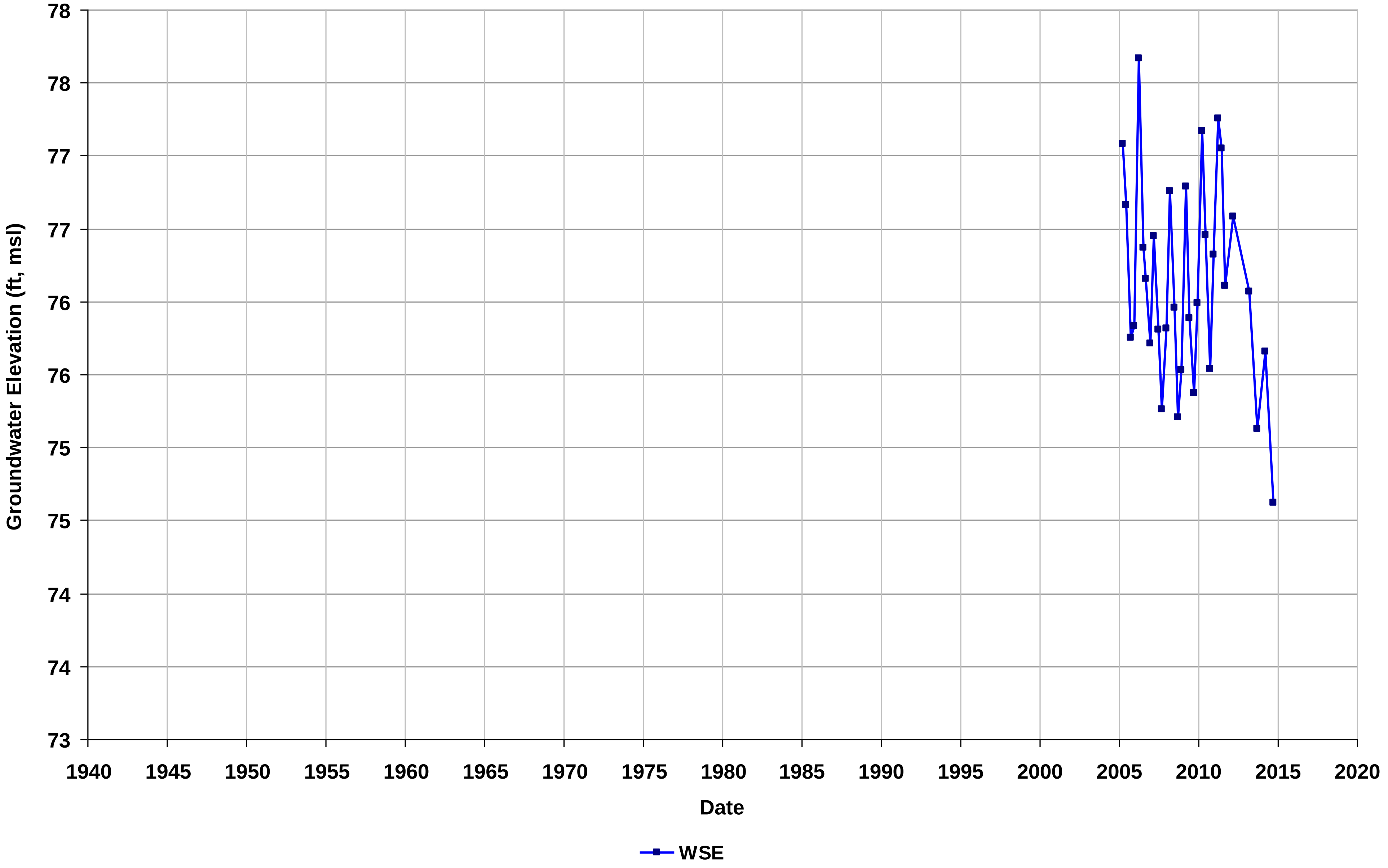
Well Name: SL0600114143-MW-F1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/34
Well Use: Observation



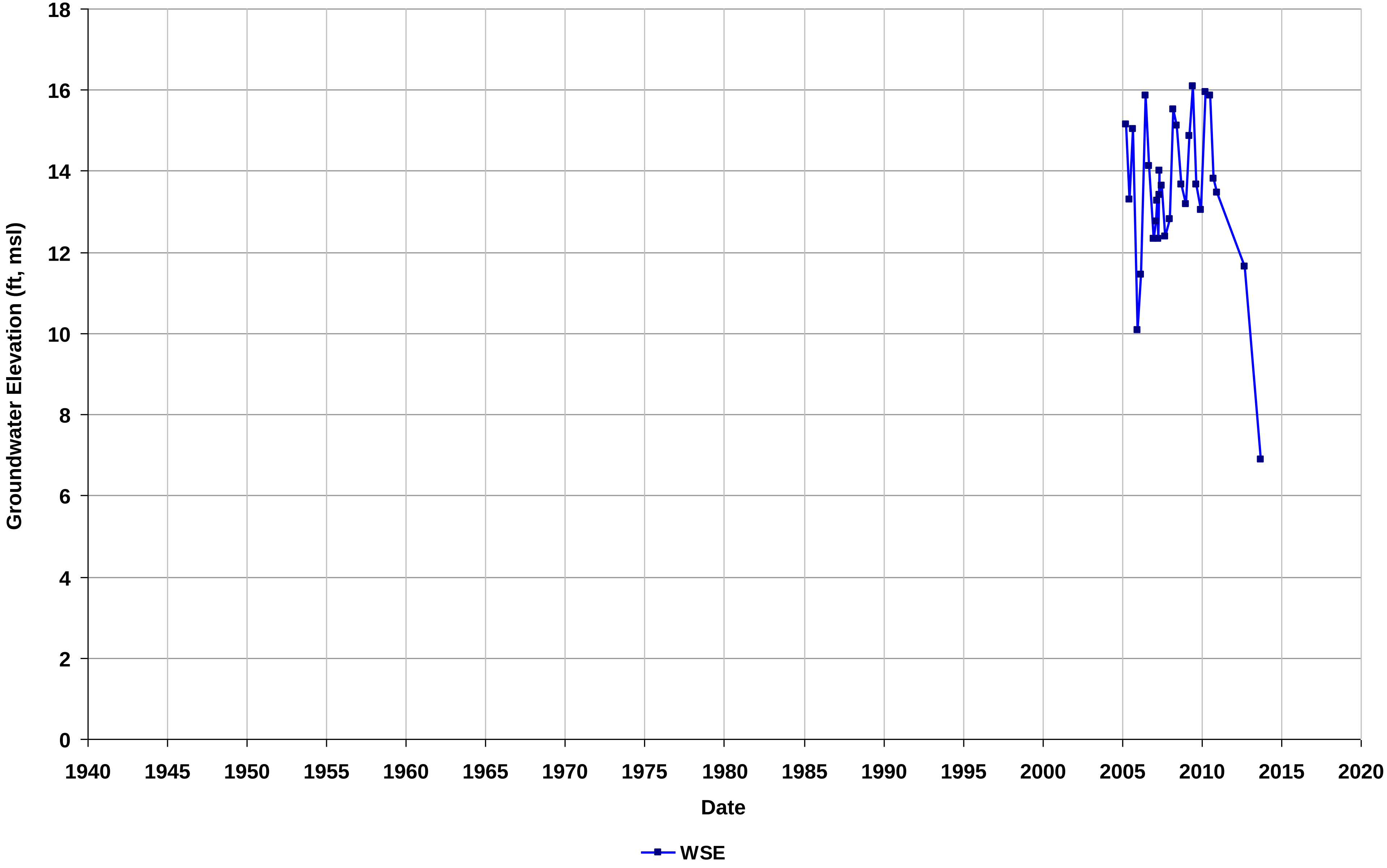
Well Name: SL0600114143-MW-G1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/34
Well Use: Observation



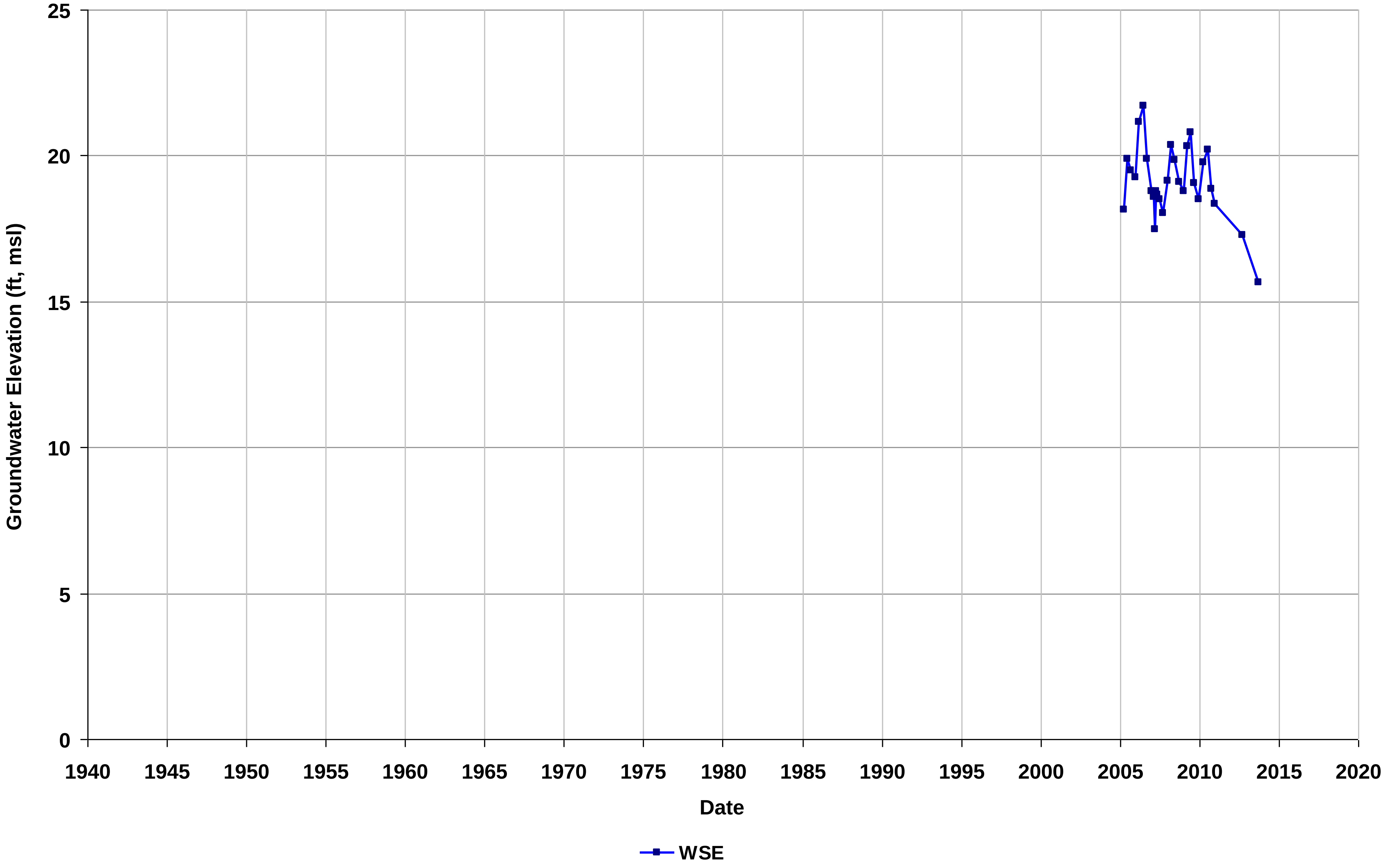
Well Name: SL0600157734-MW-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



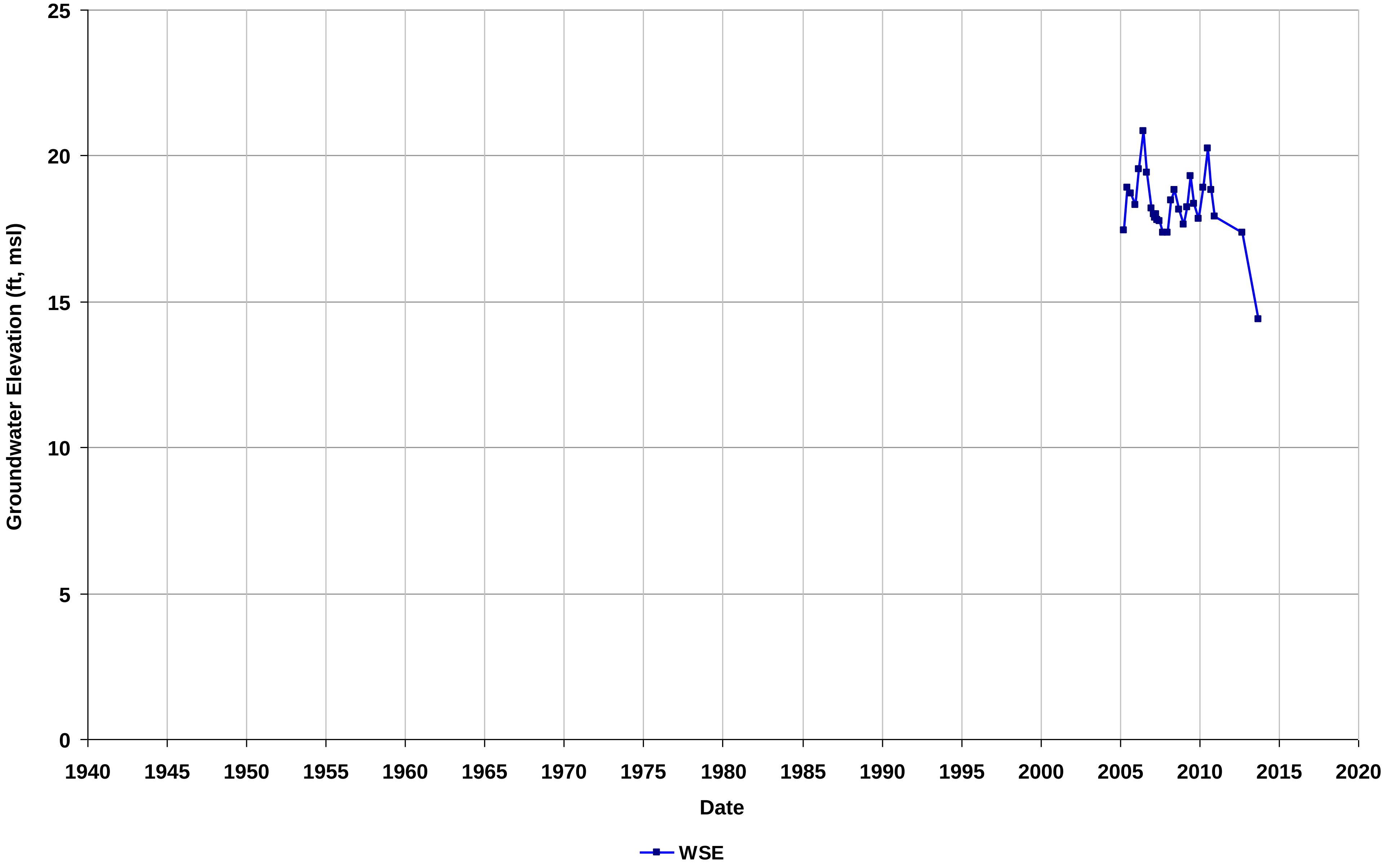
Well Name: SL0600157734-MW-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



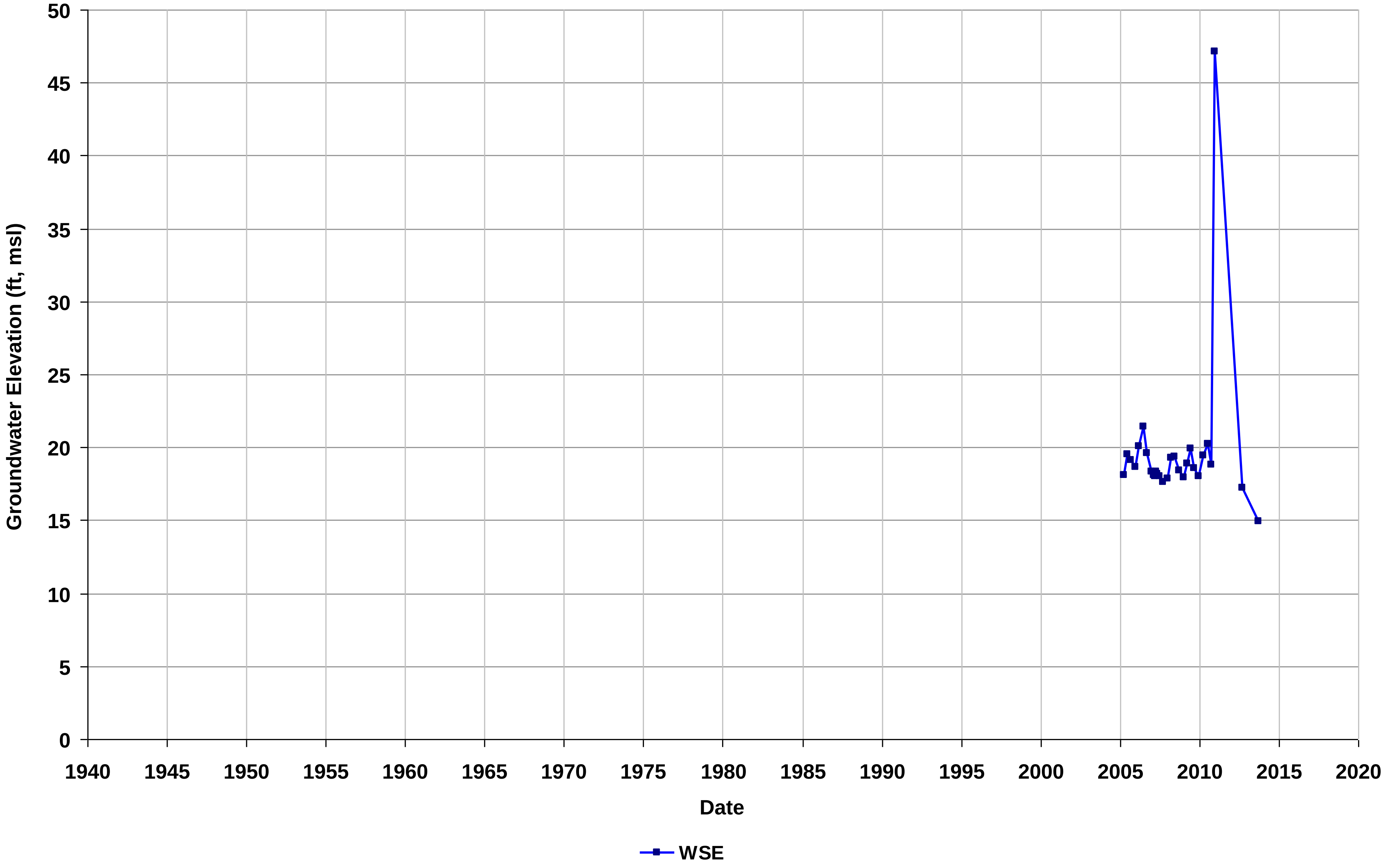
Well Name: SL0600157734-MW-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



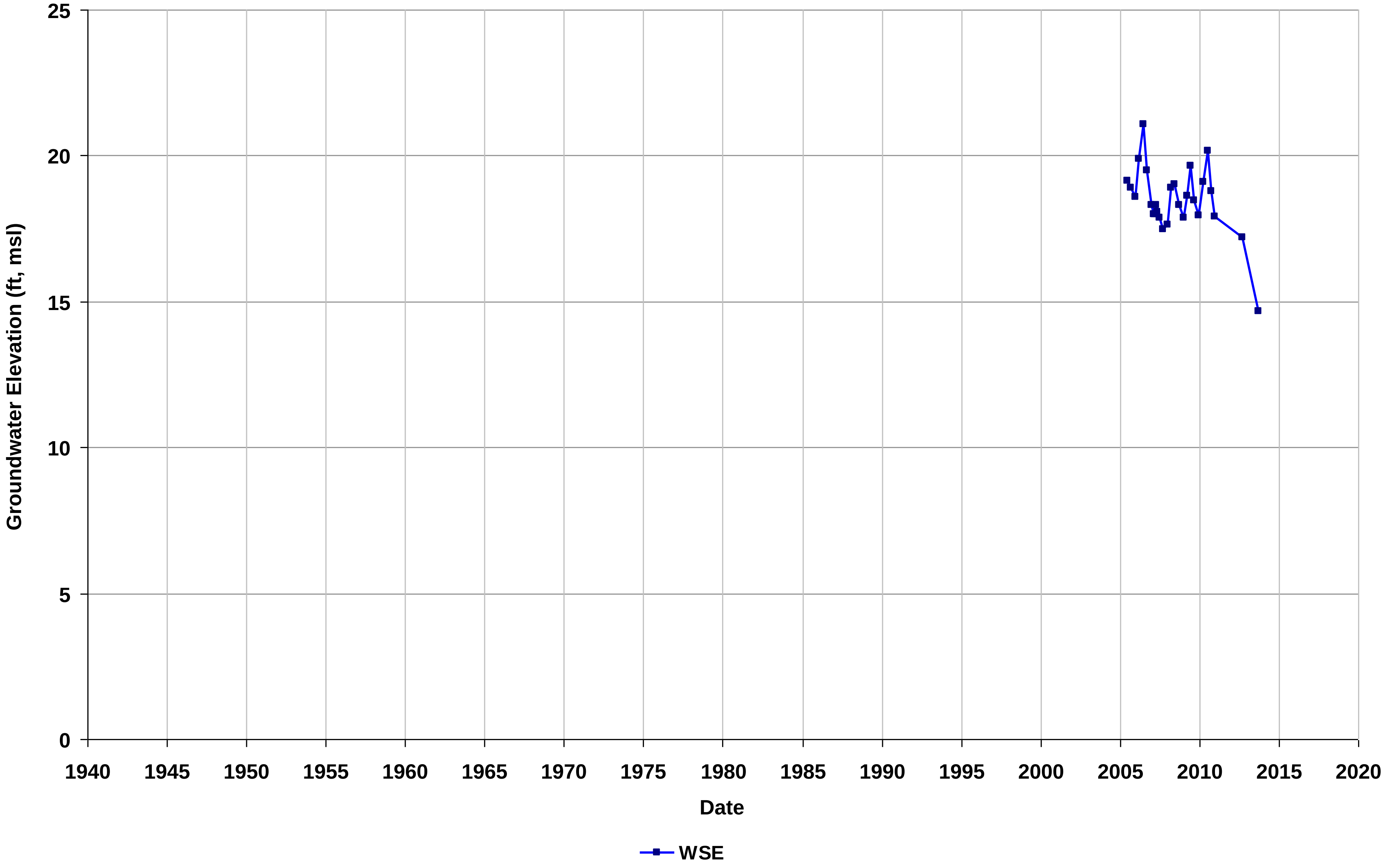
Well Name: SL0600157734-MW-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



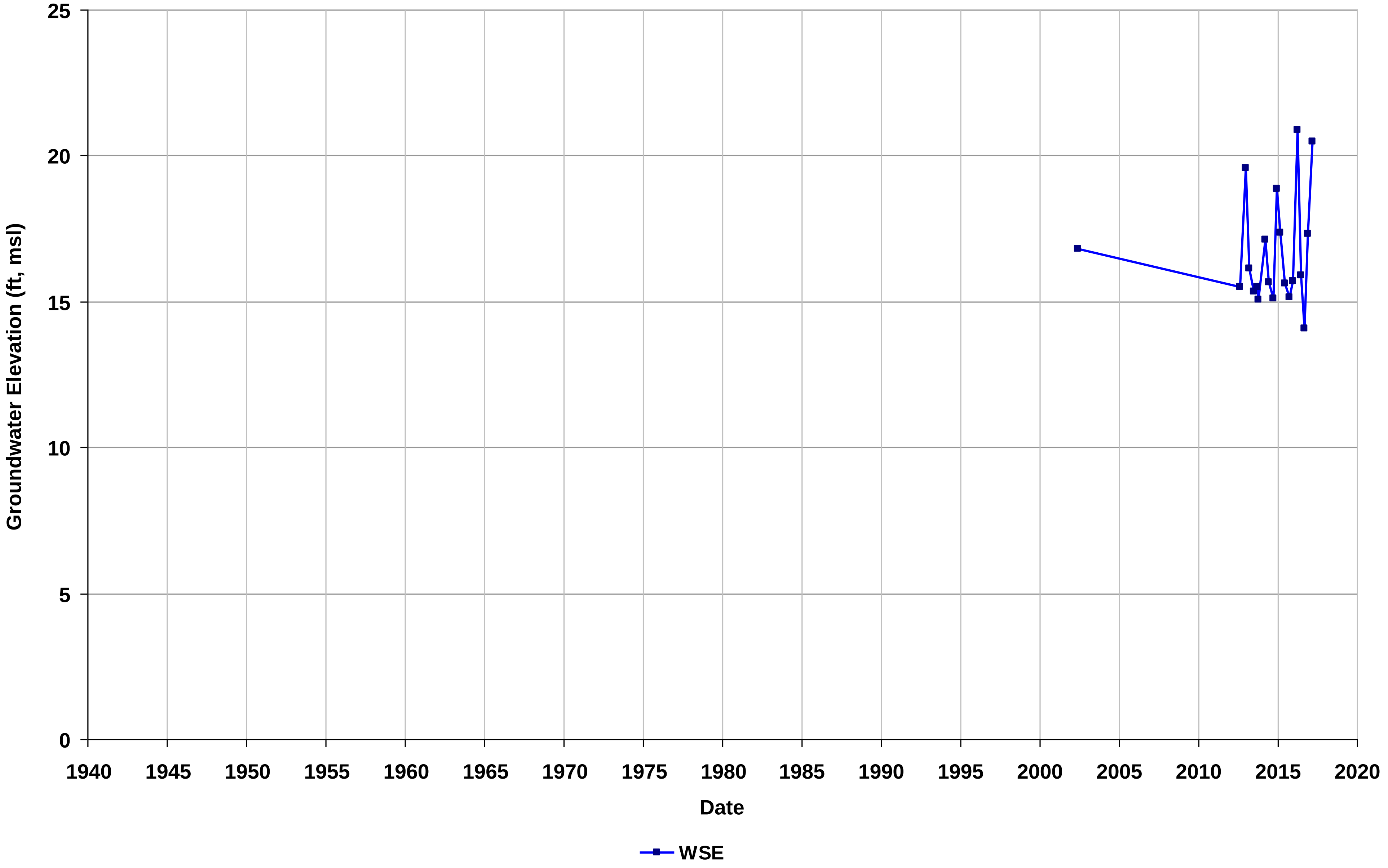
Well Name: SL0600157734-MW-5
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



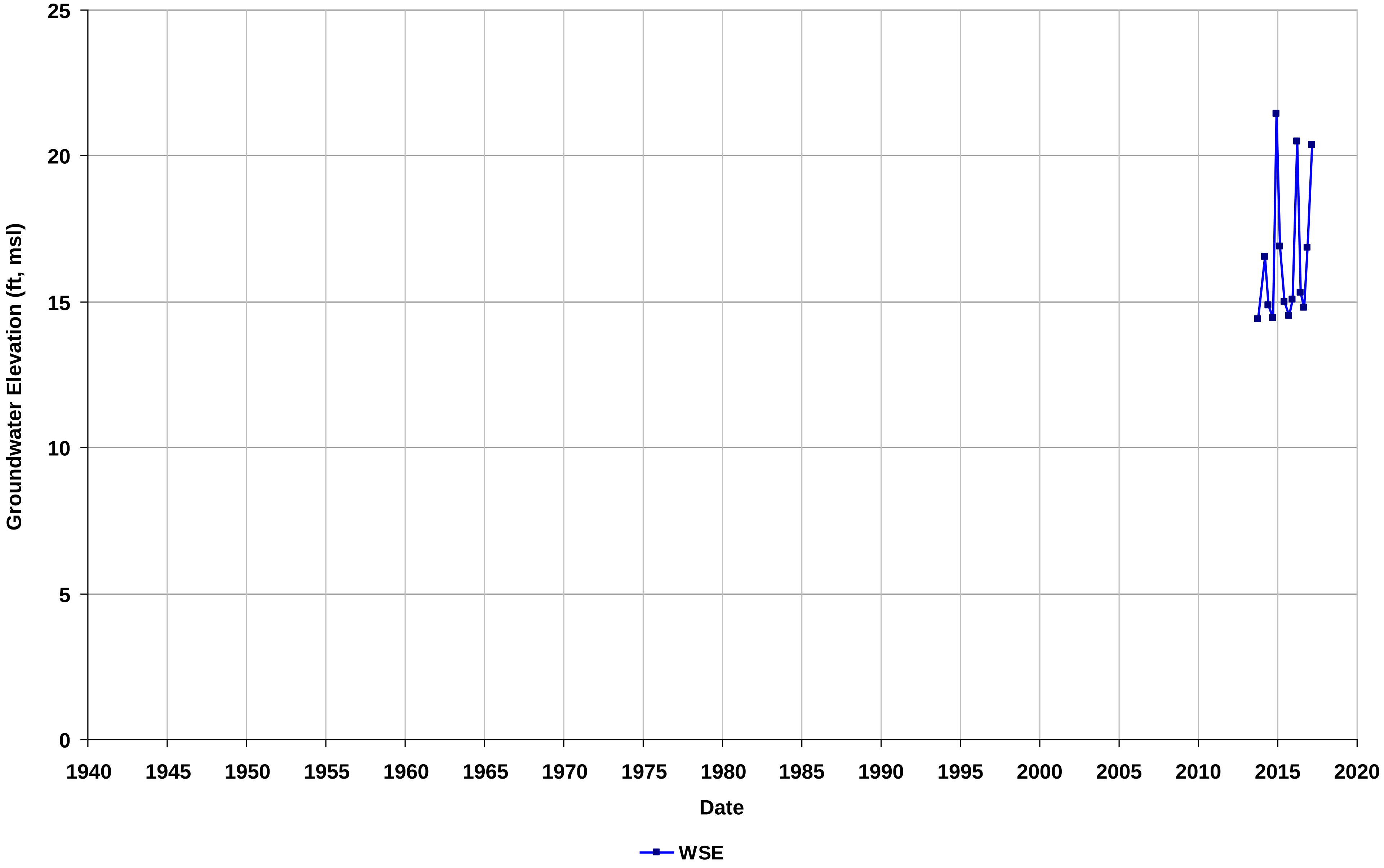
Well Name: SL0601373182-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/01
Well Use: Observation



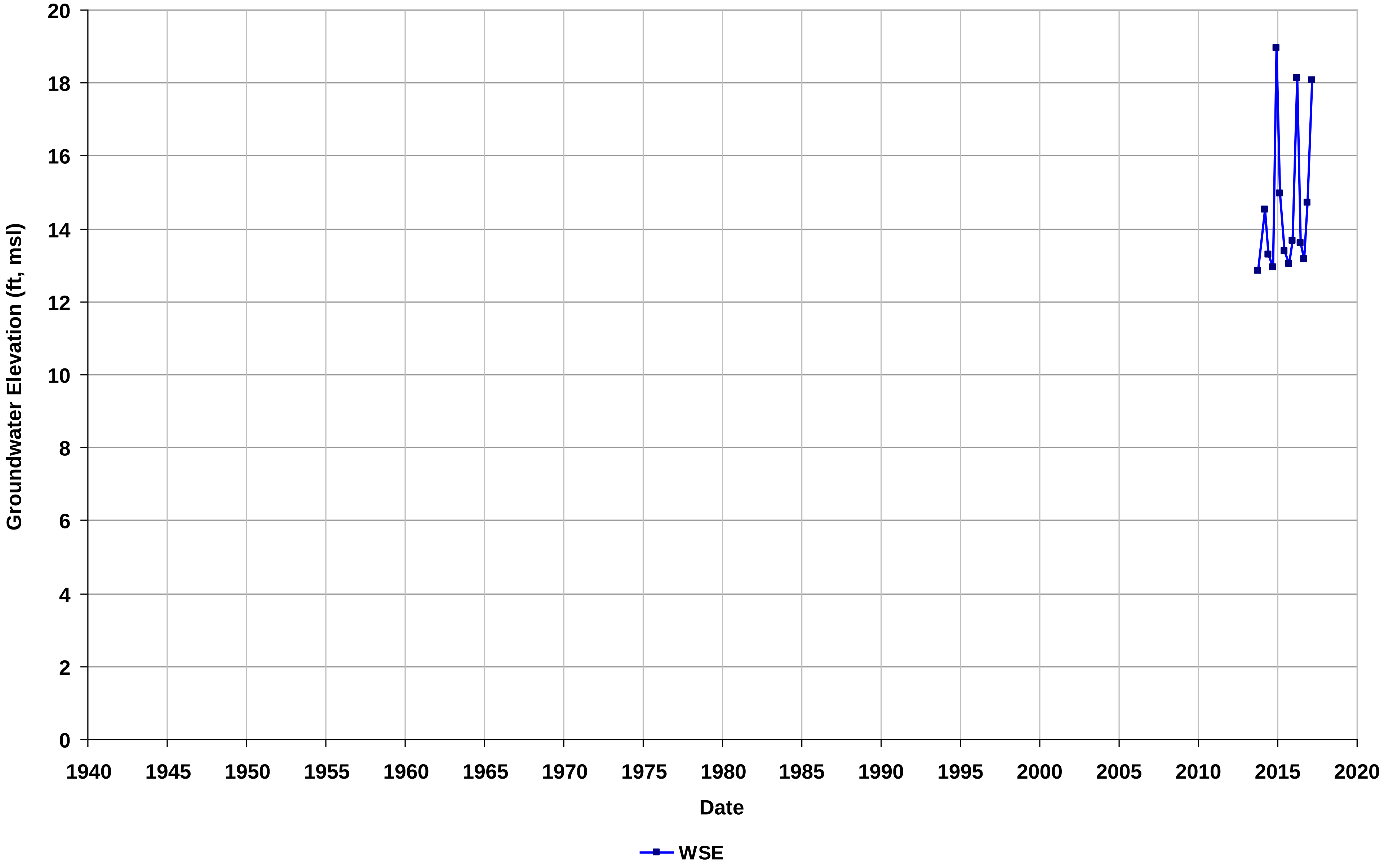
Well Name: SL0601373182-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/01
Well Use: Observation



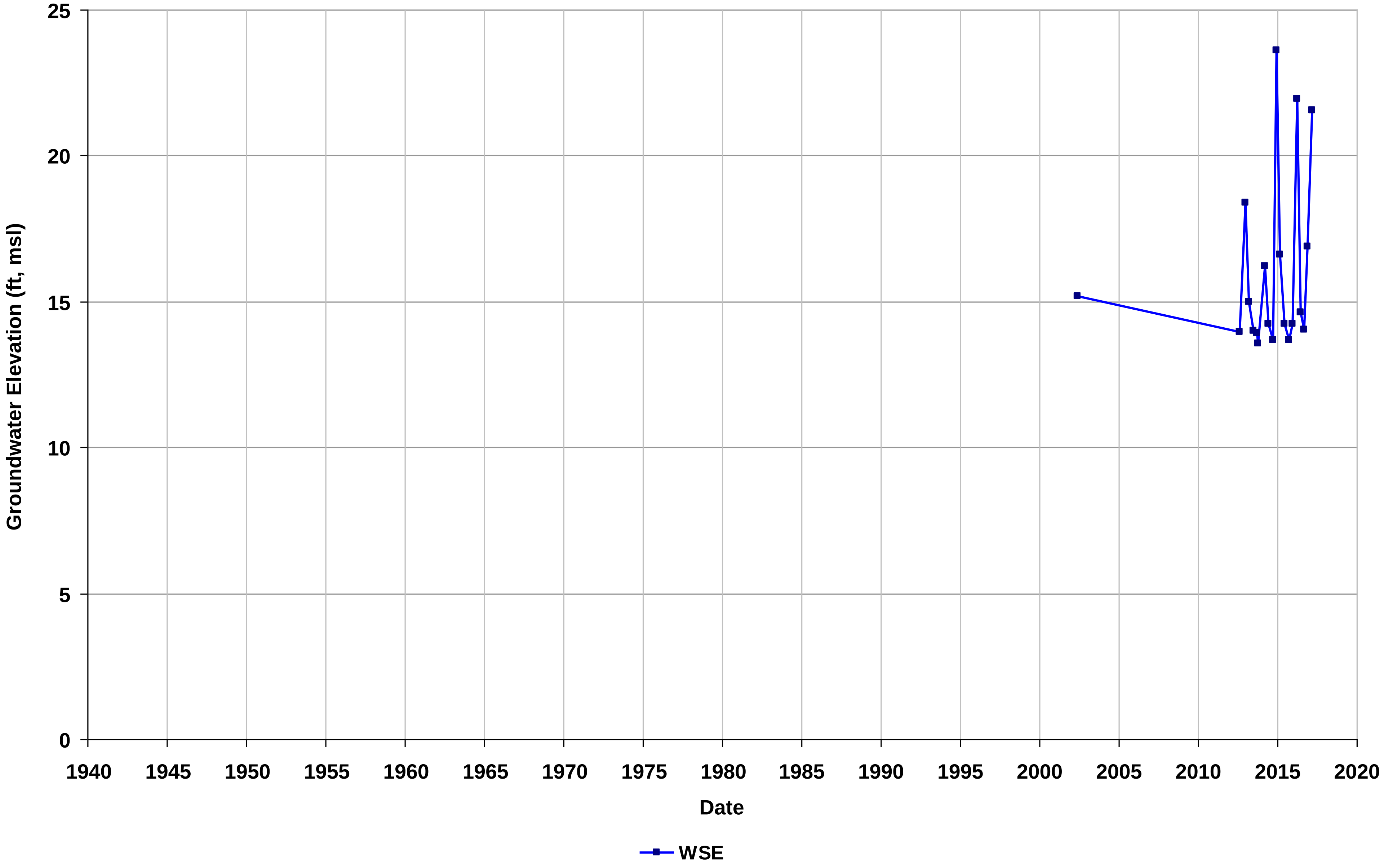
Well Name: SL0601373182-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/01
Well Use: Observation



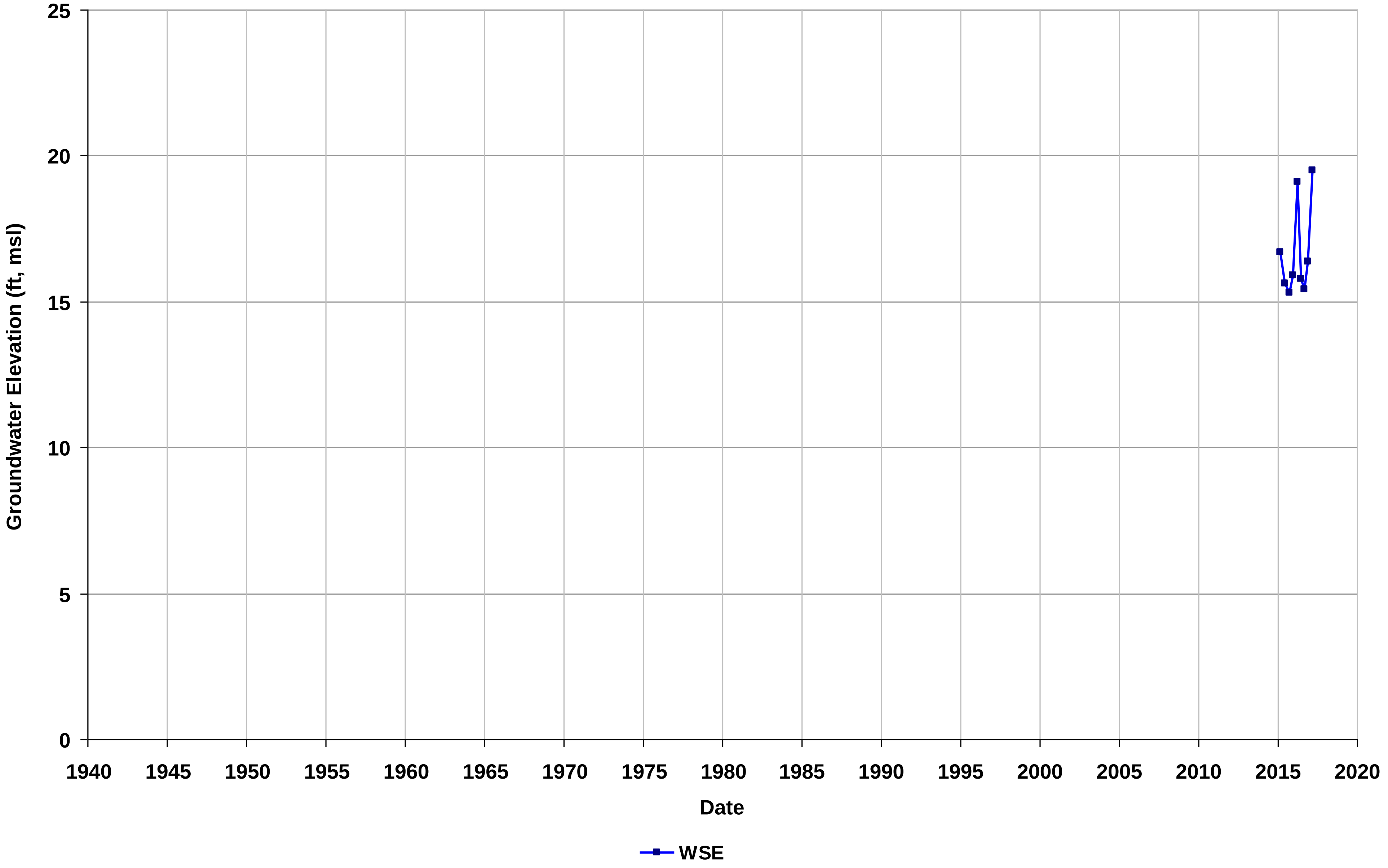
Well Name: SL0601373182-S-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/01
Well Use: Observation



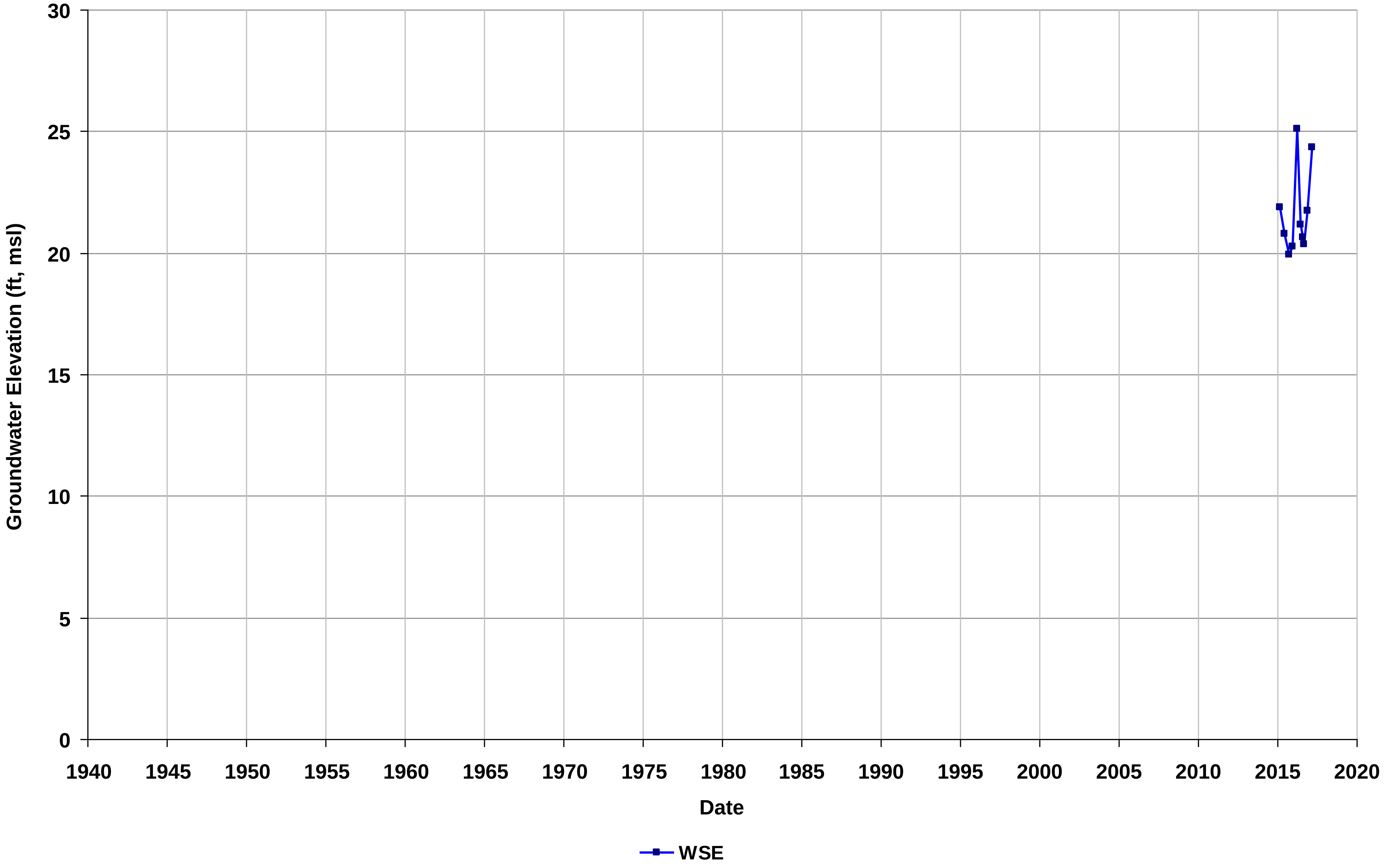
Well Name: SL0601373182-S-10
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/01
Well Use: Observation



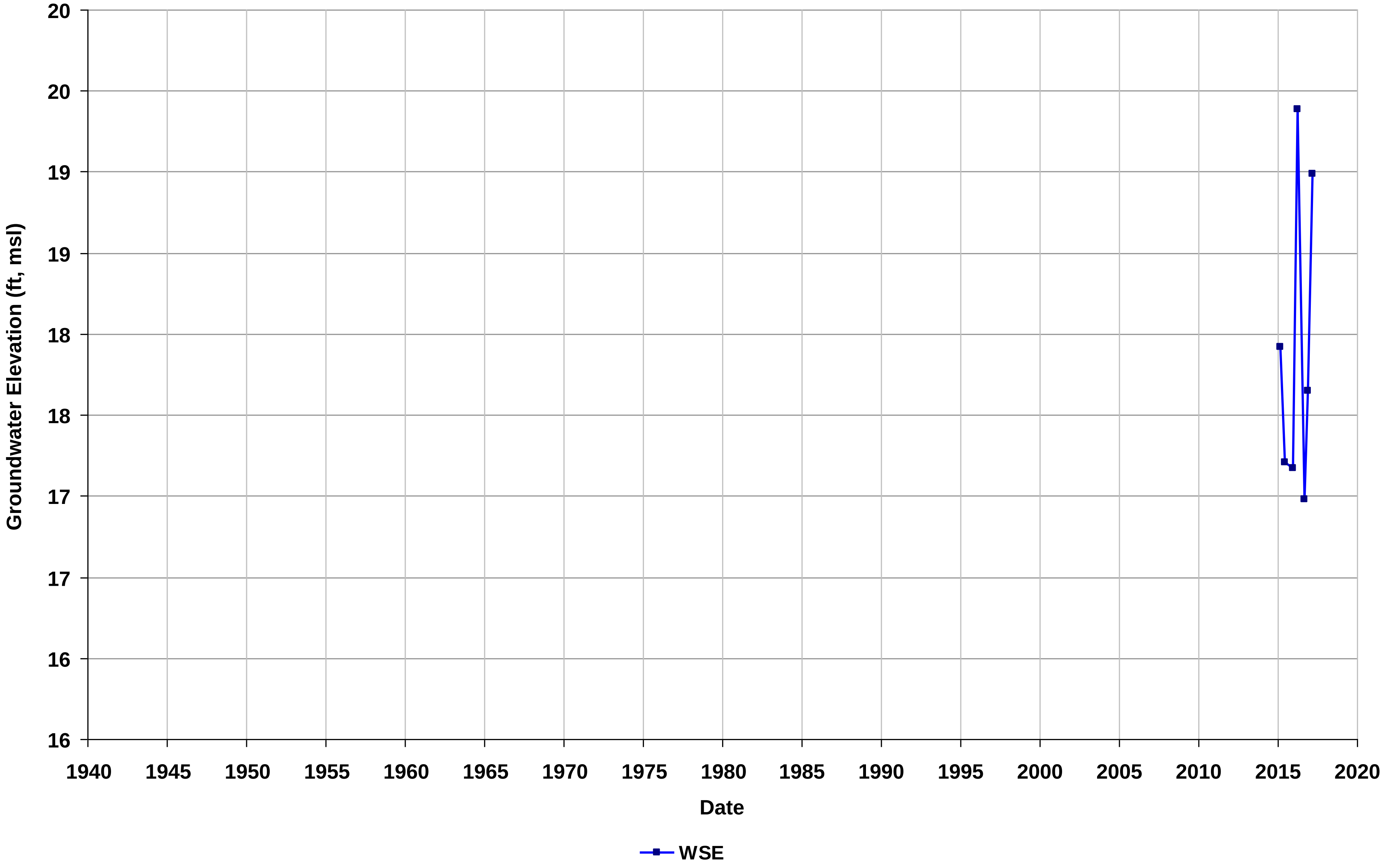
Well Name: SL0601373182-S-11
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/01
Well Use: Observation



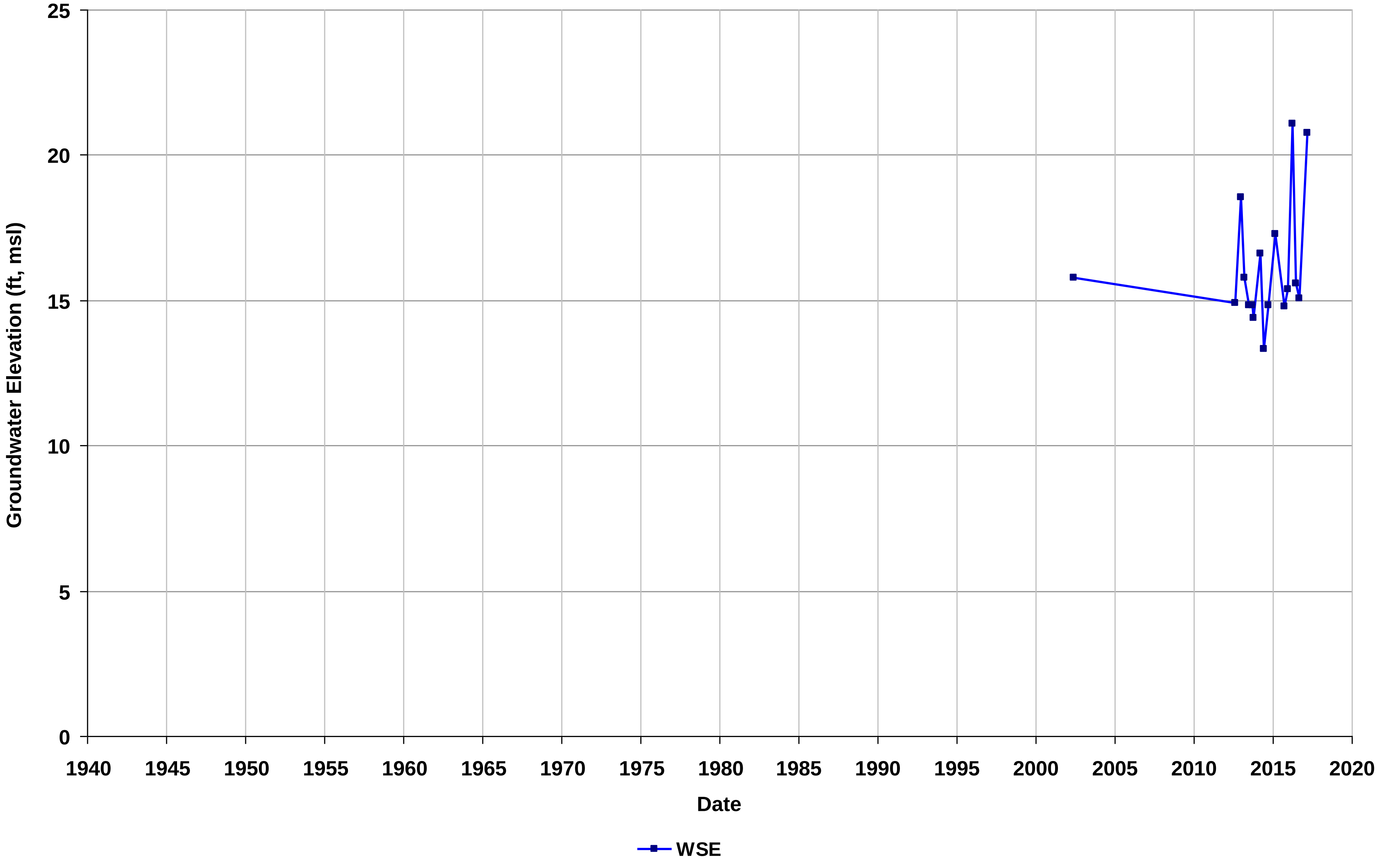
Well Name: SL0601373182-S-12
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/01
Well Use: Observation



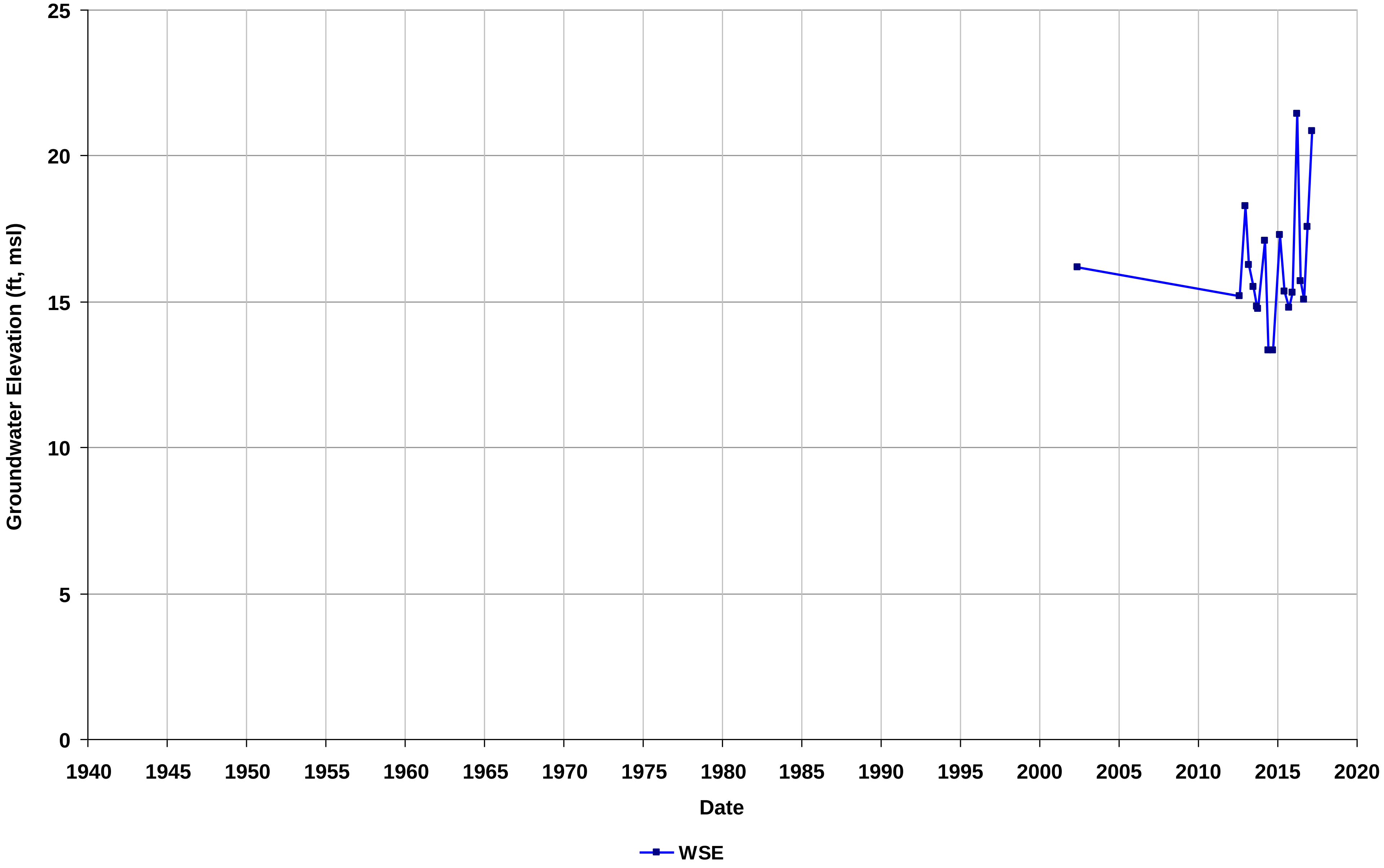
Well Name: SL0601373182-S-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/01
Well Use: Observation



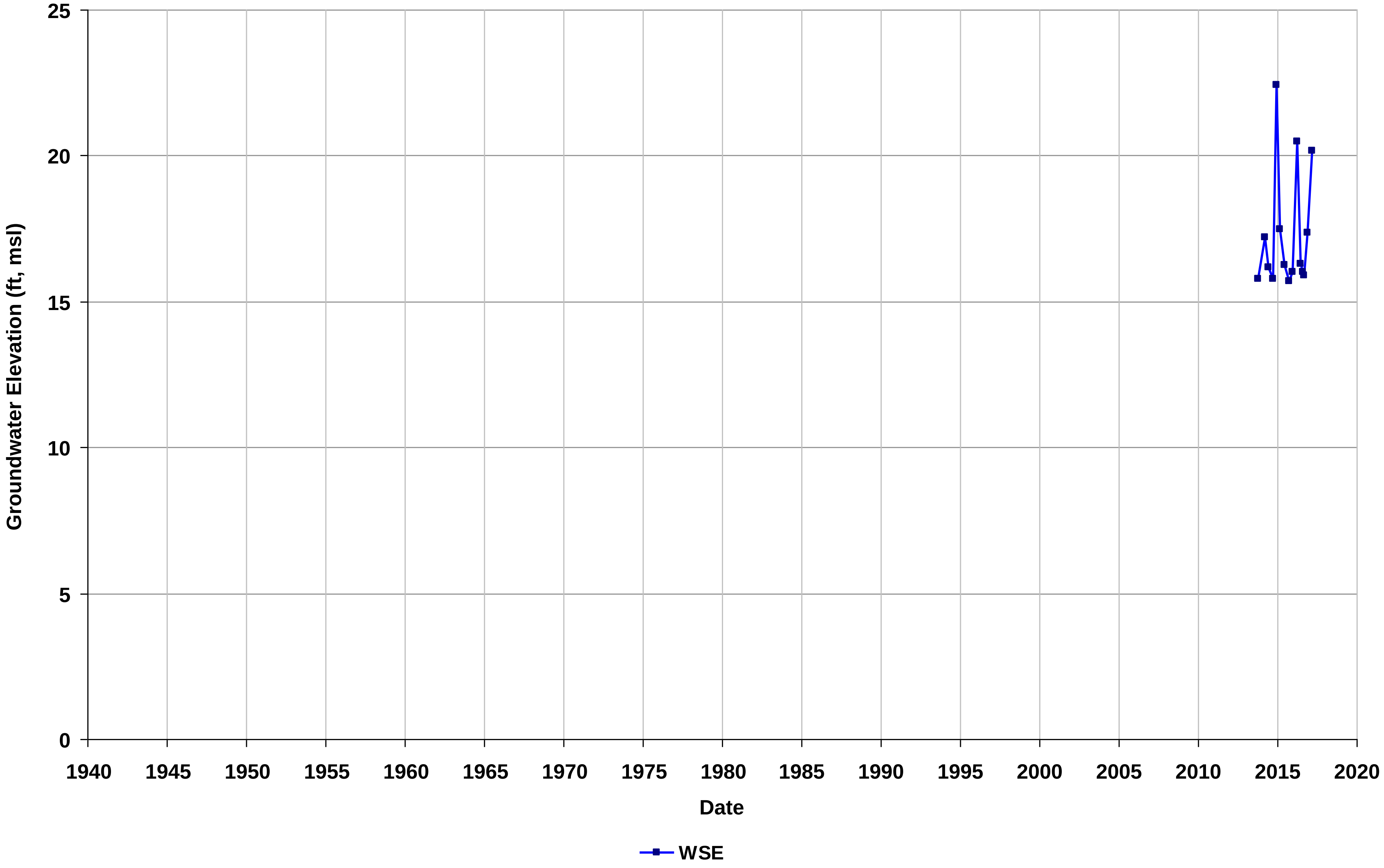
Well Name: SL0601373182-S-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/01
Well Use: Observation



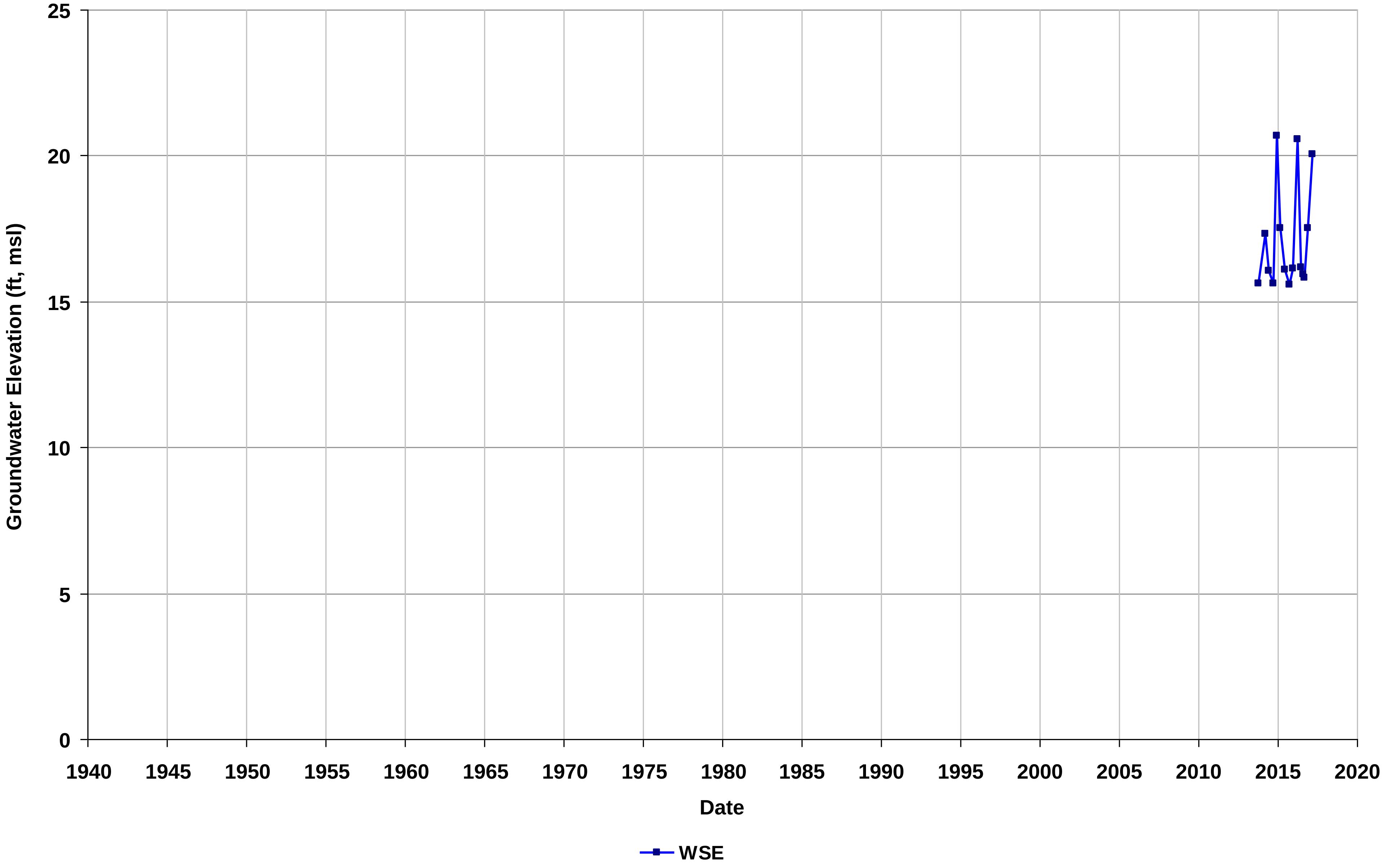
Well Name: SL0601373182-S-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/01
Well Use: Observation



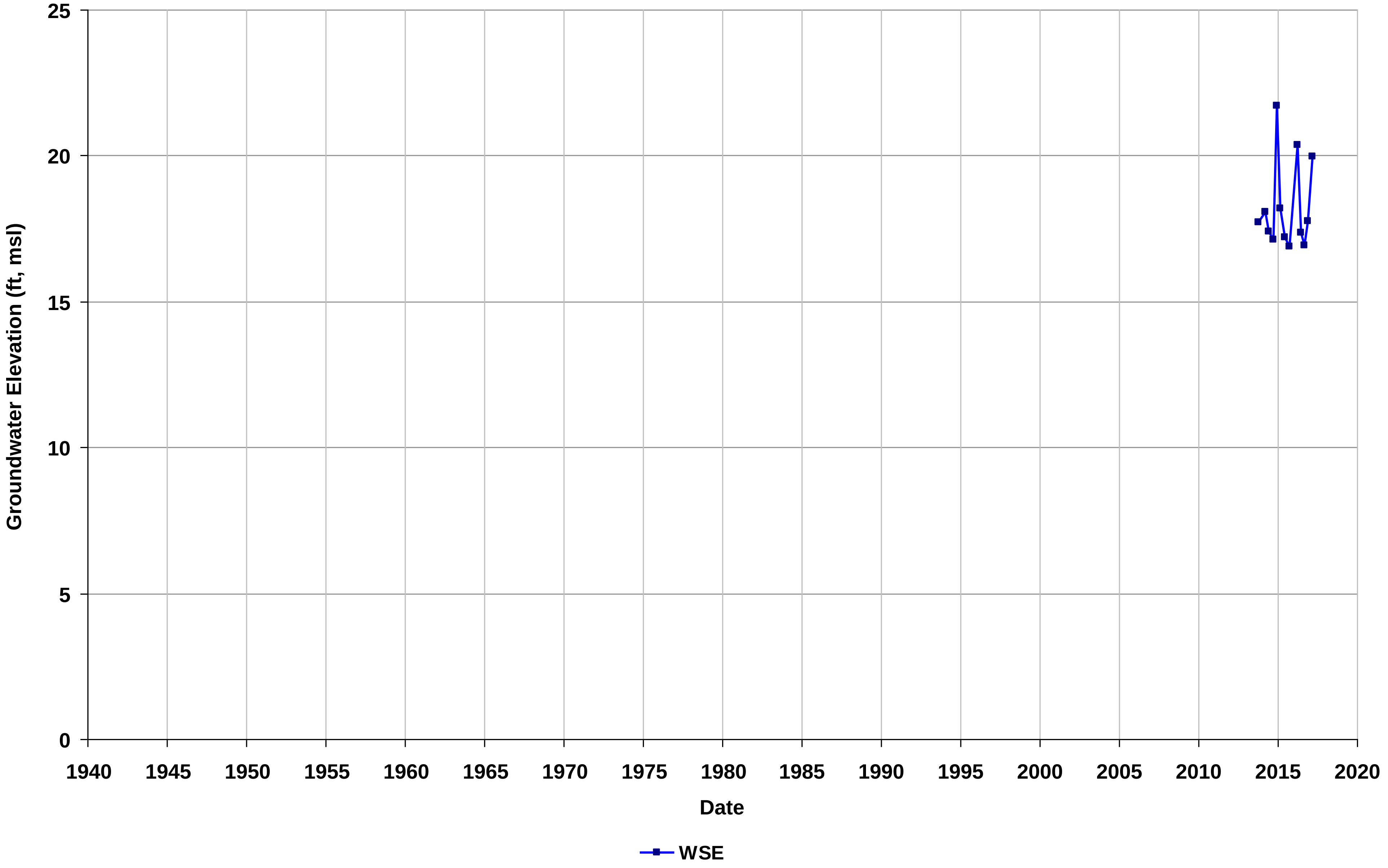
Well Name: SL0601373182-S-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/01
Well Use: Observation



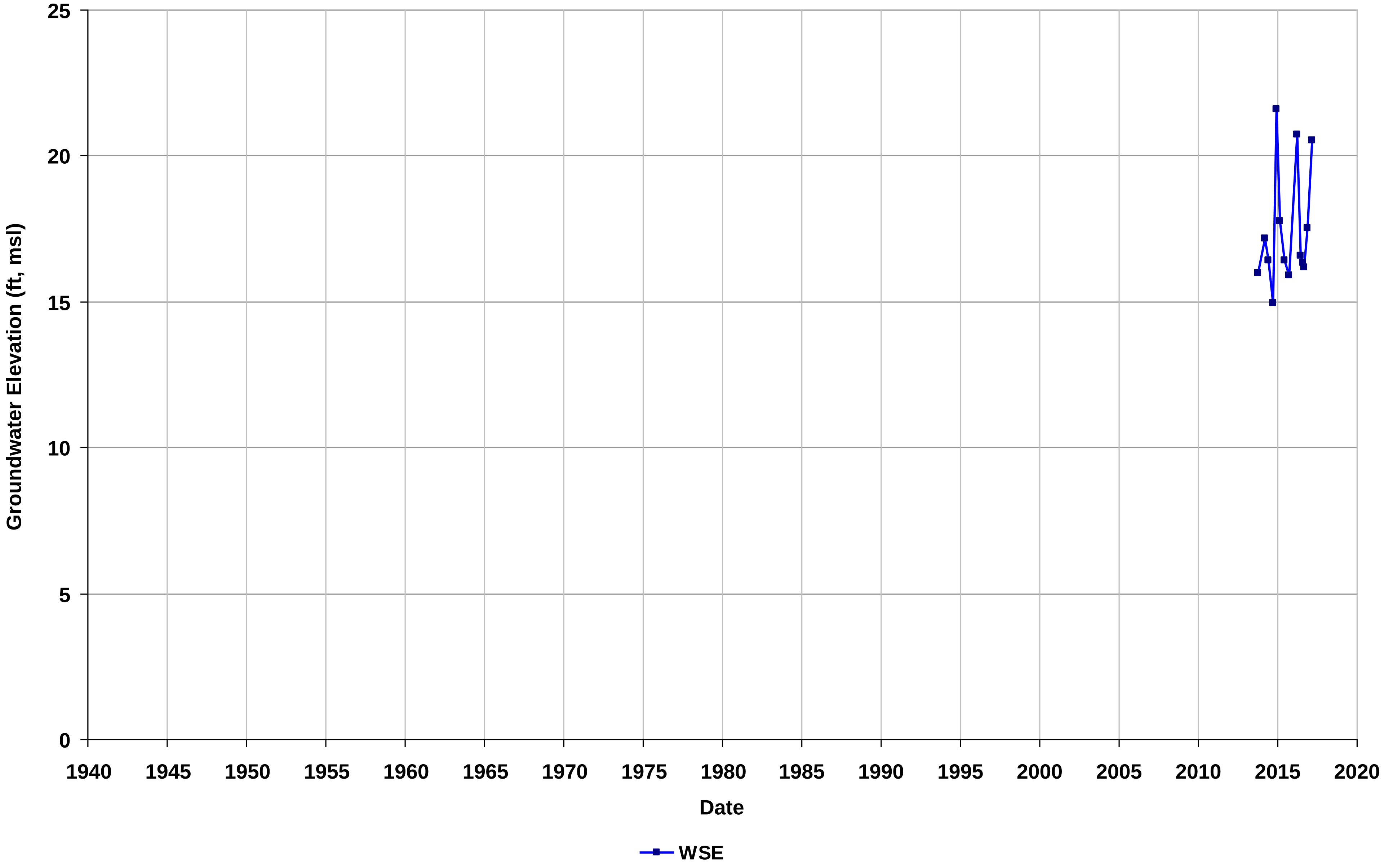
Well Name: SL0601373182-S-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/01
Well Use: Observation



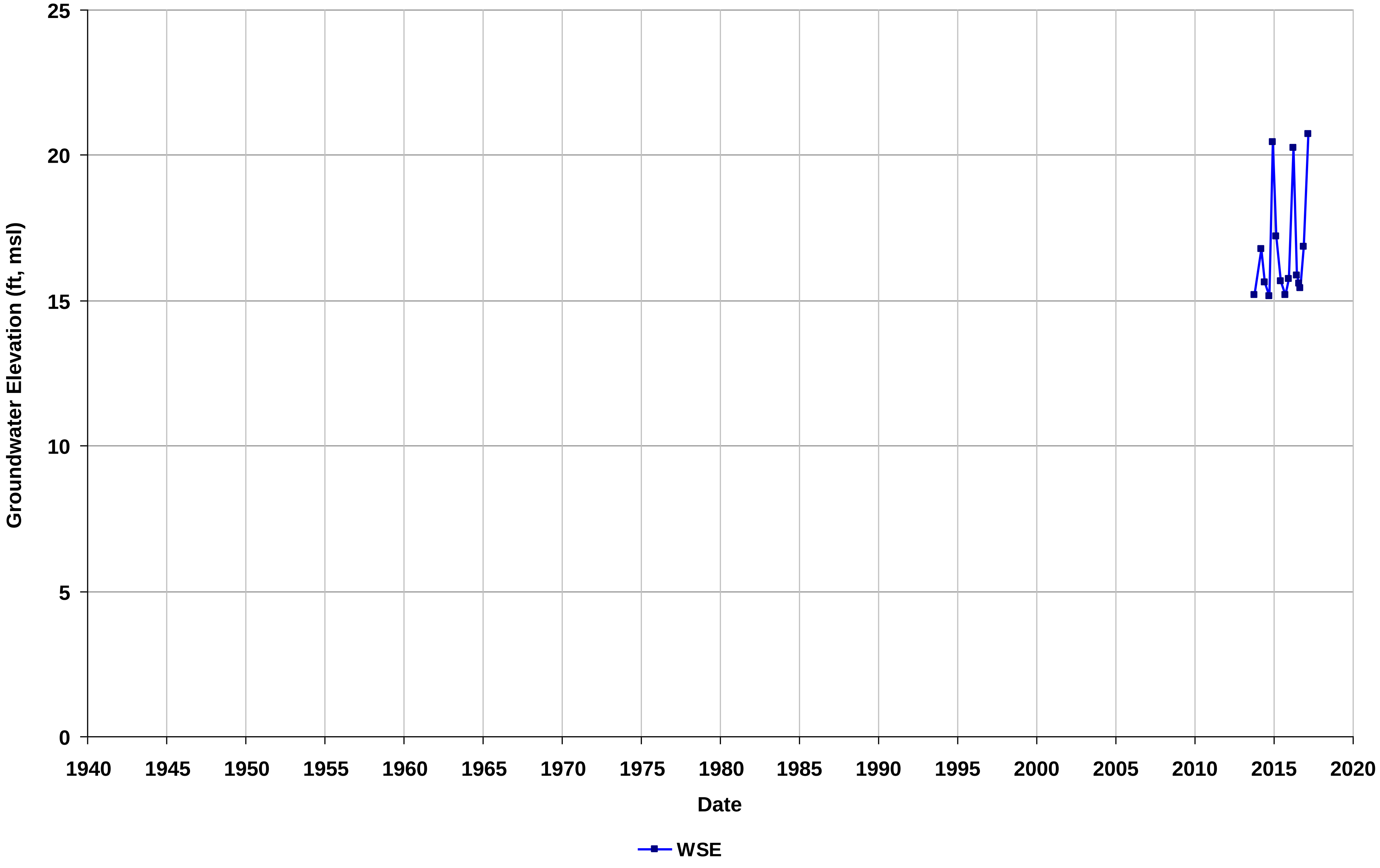
Well Name: SL0601373182-S-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/01
Well Use: Observation



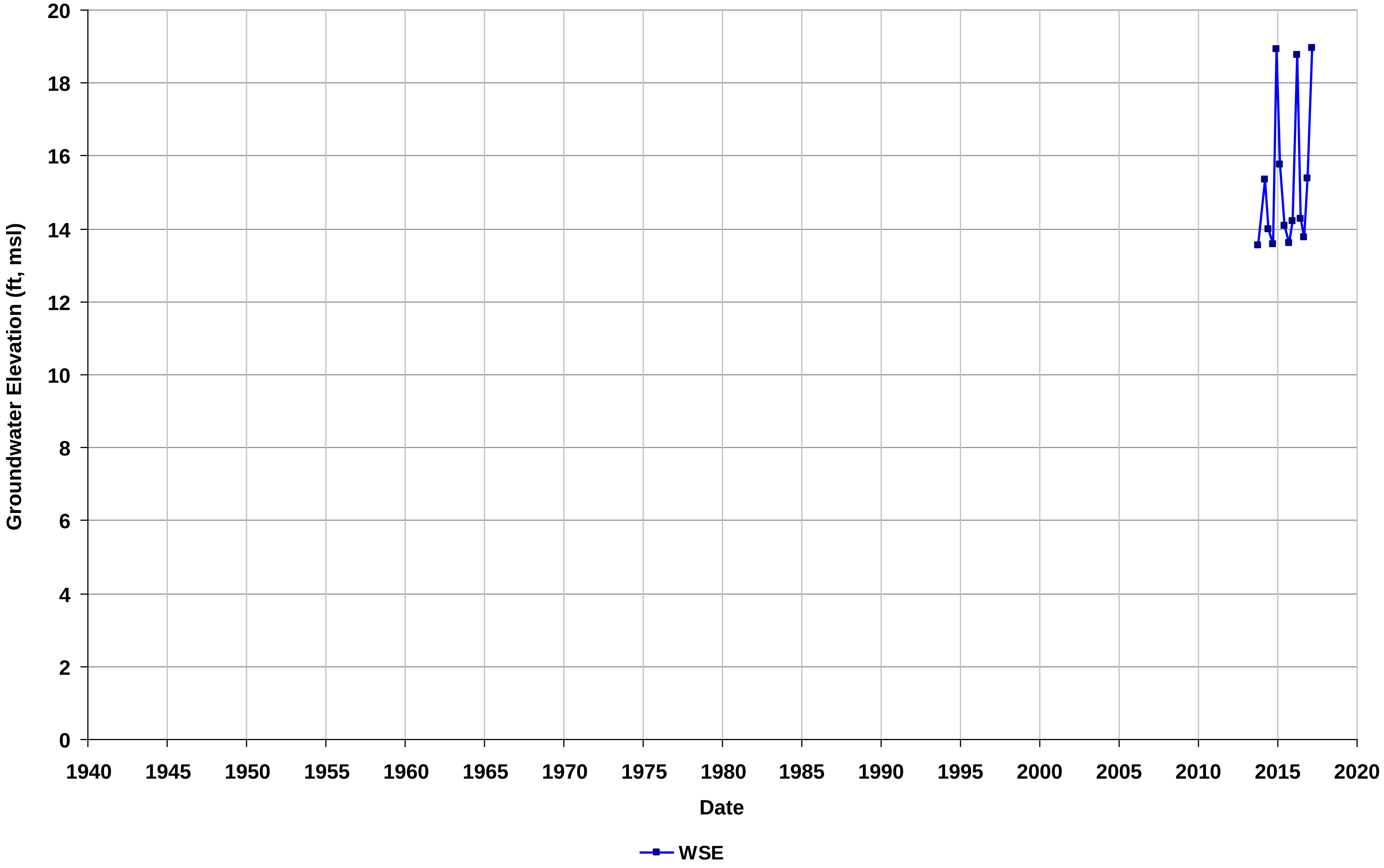
Well Name: SL0601373182-S-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/01
Well Use: Observation



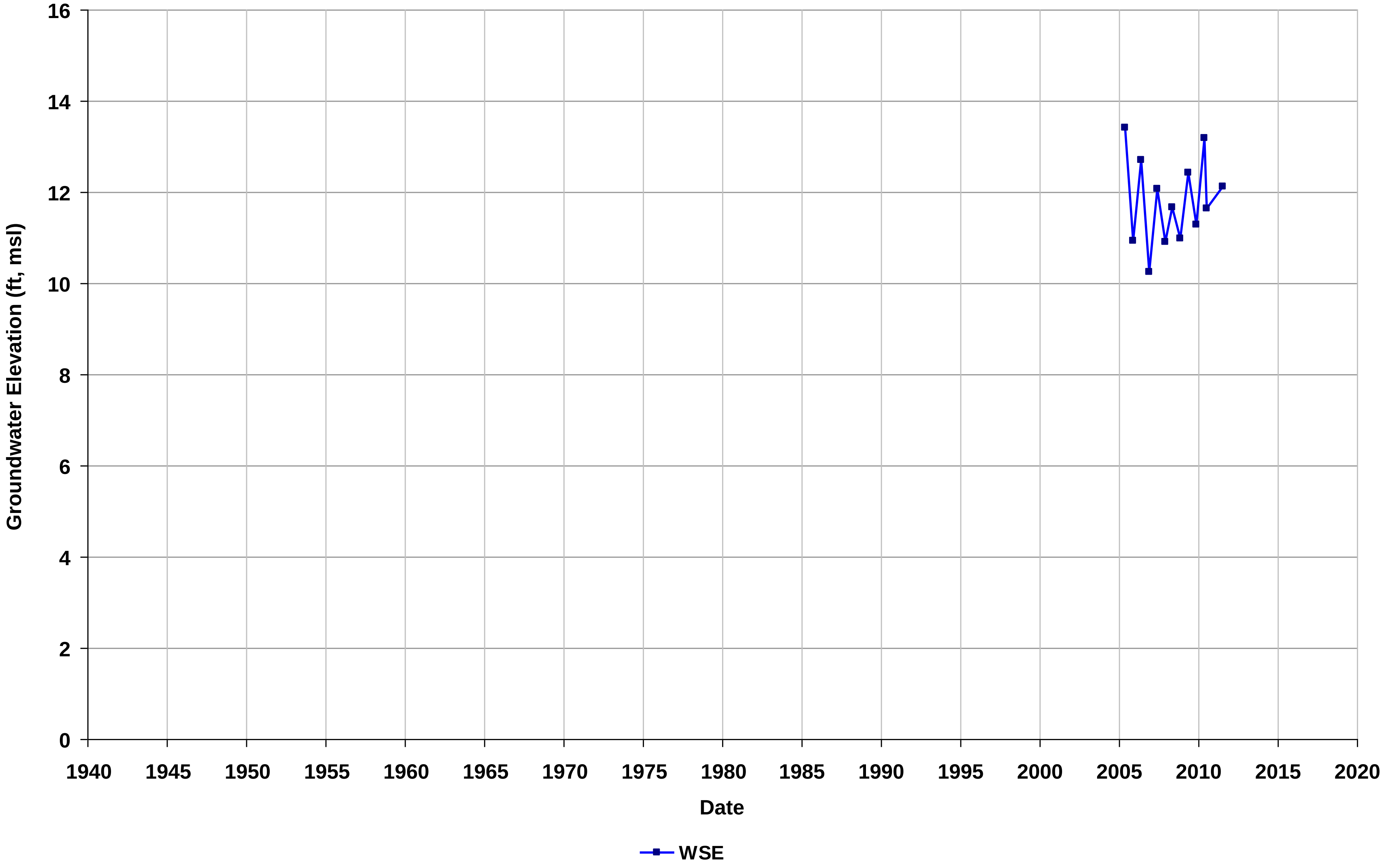
Well Name: SL0601373182-S-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/01
Well Use: Observation



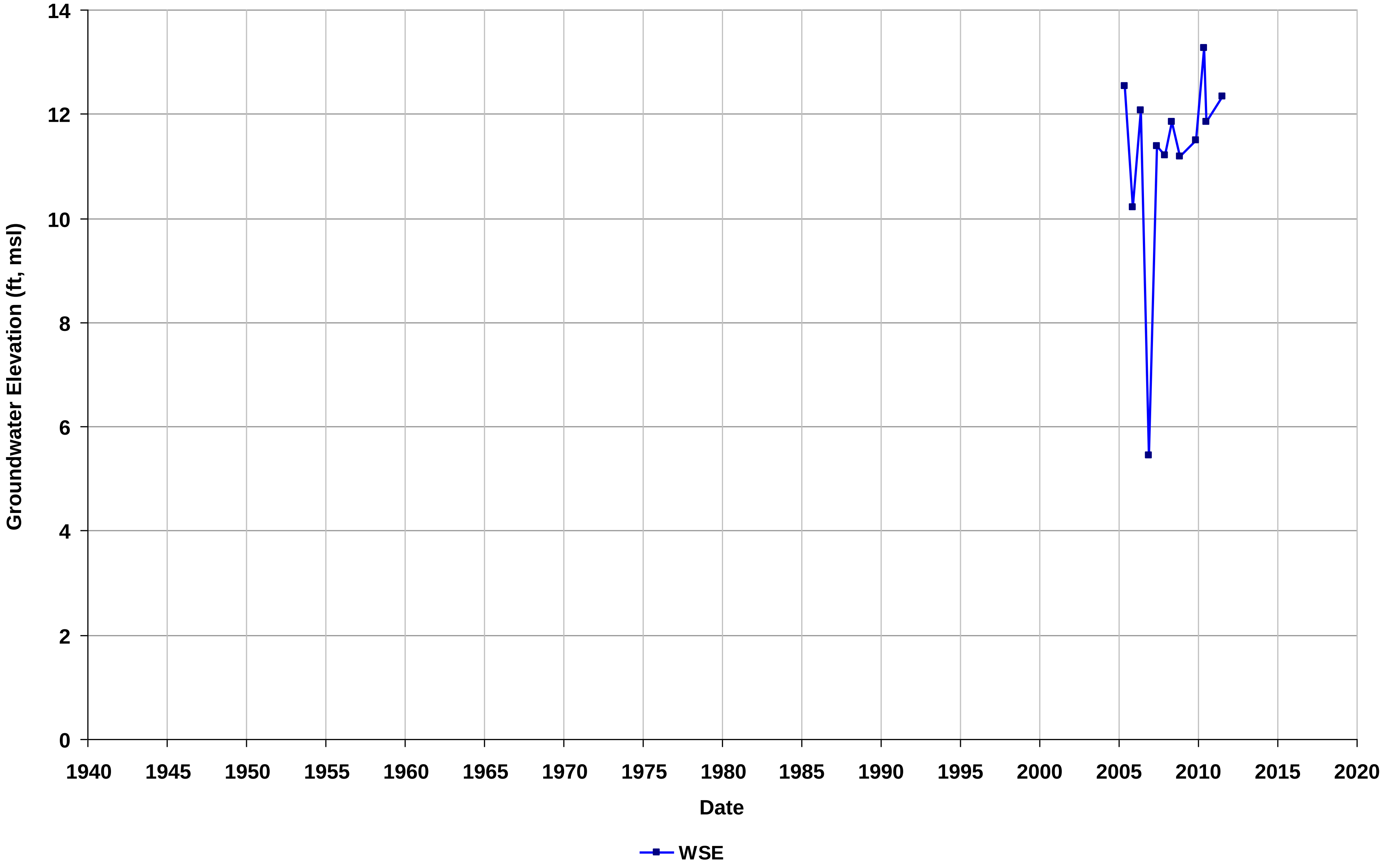
Well Name: SL181271127-EC-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



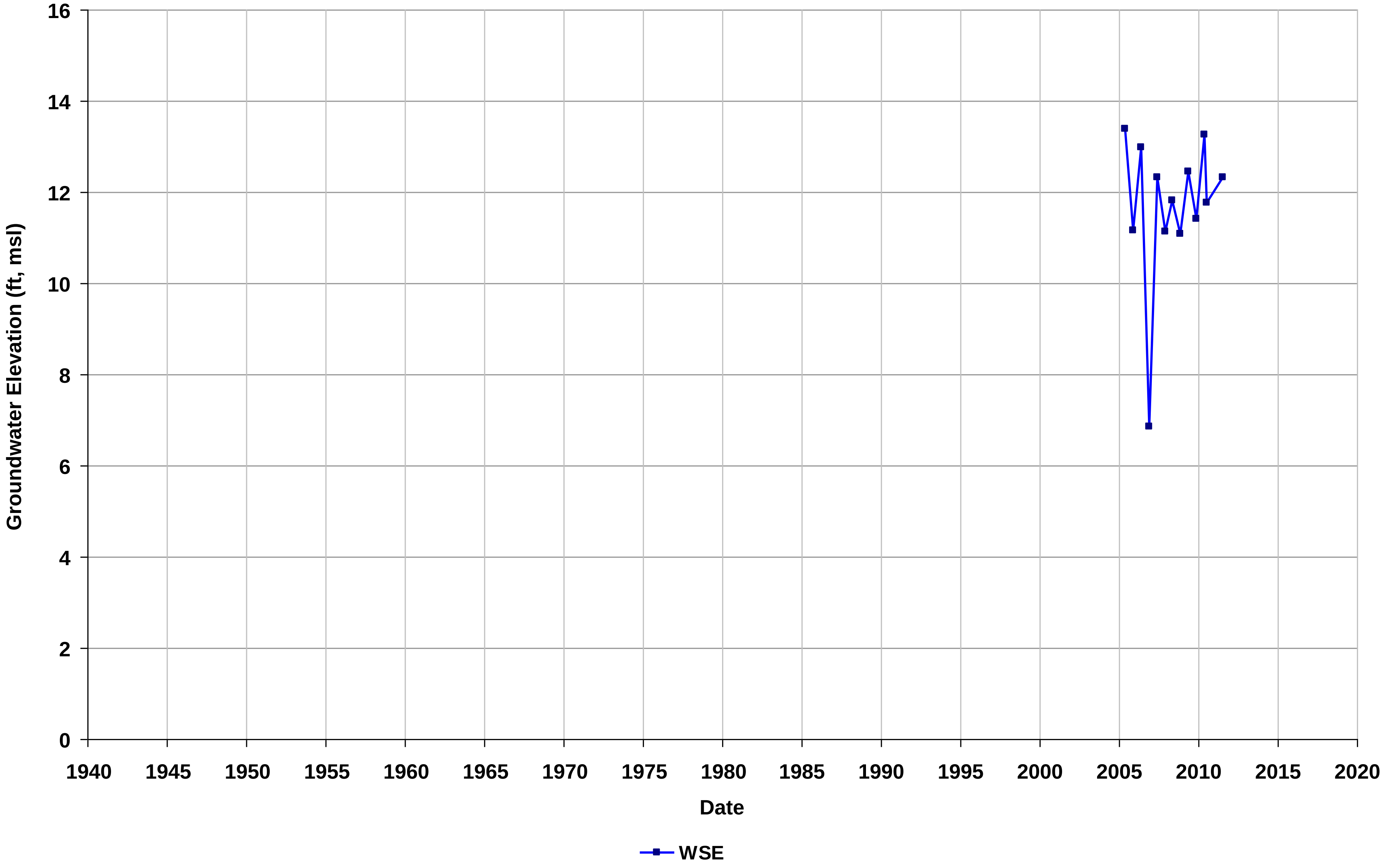
Well Name: SL181271127-EC-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



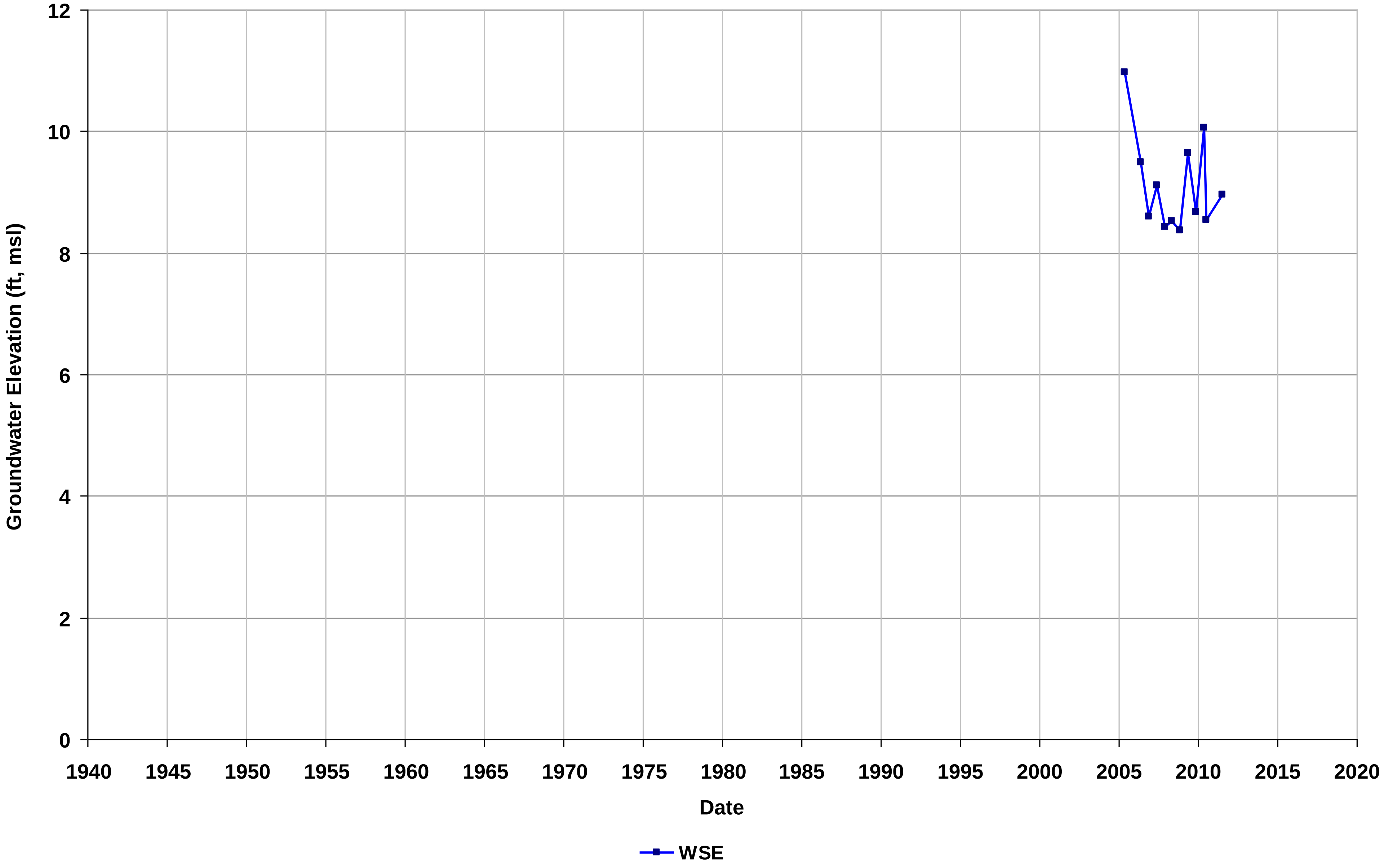
Well Name: SL181271127-EC-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



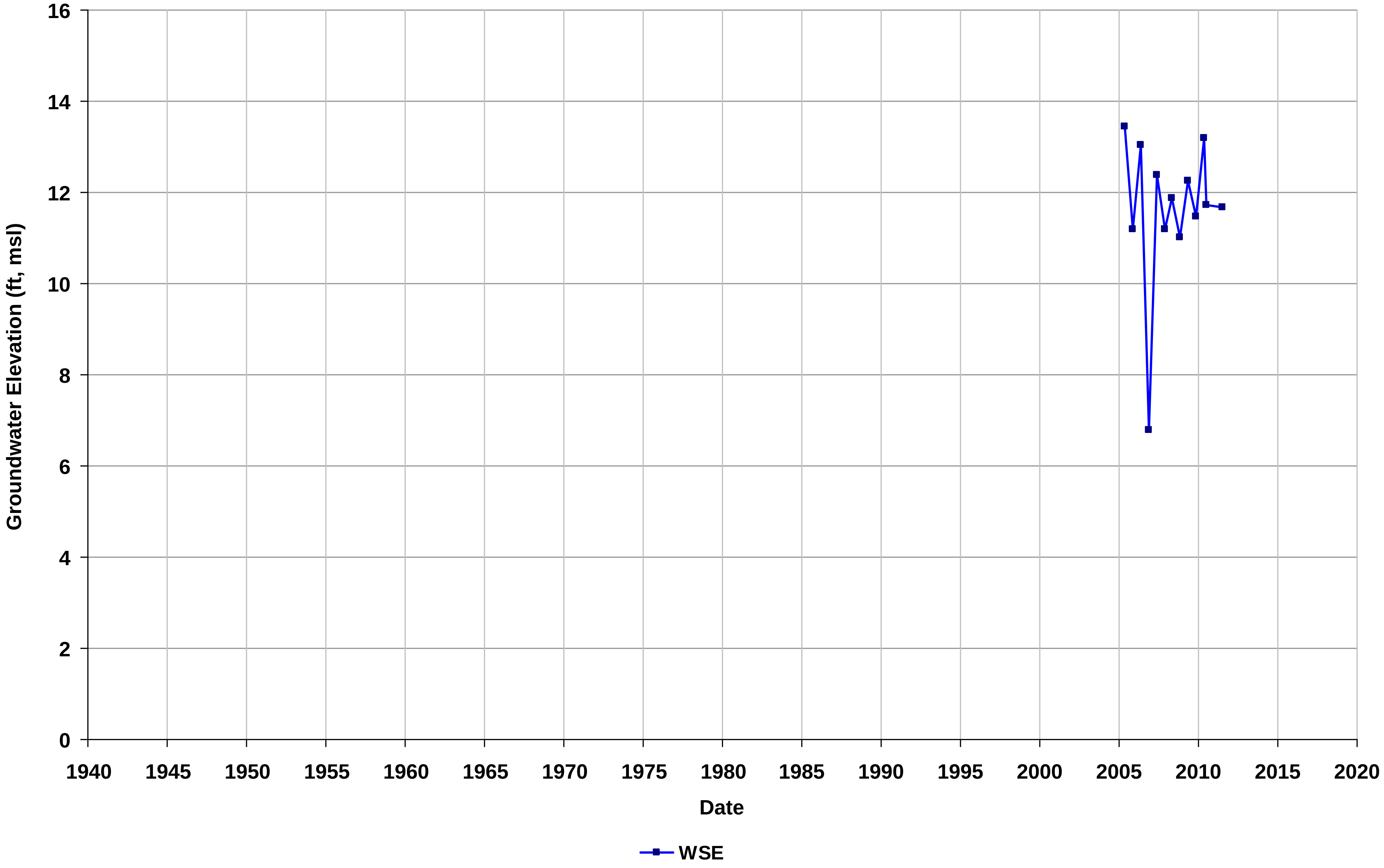
Well Name: SL181271127-KW-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



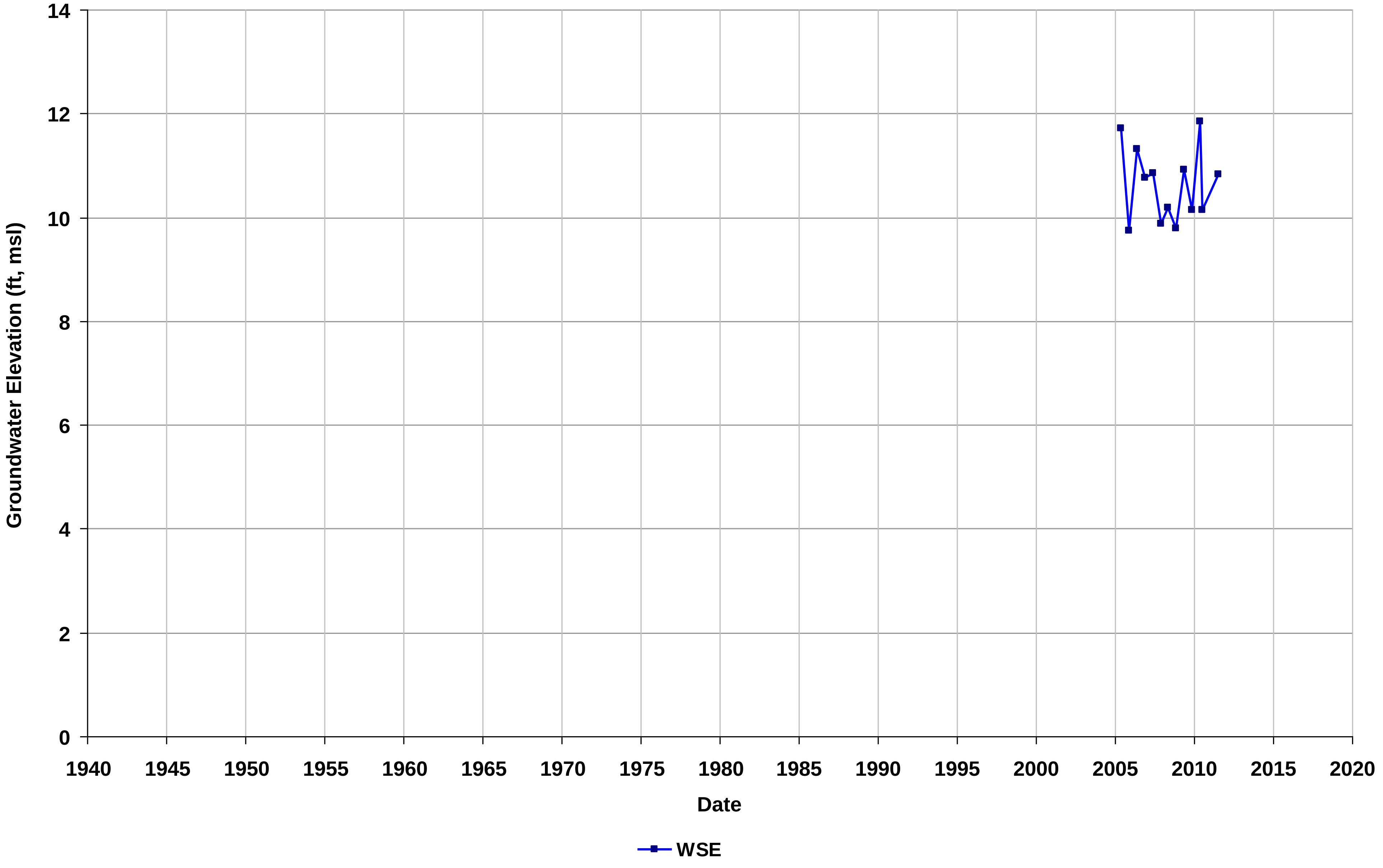
Well Name: SL181271127-KW-5
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



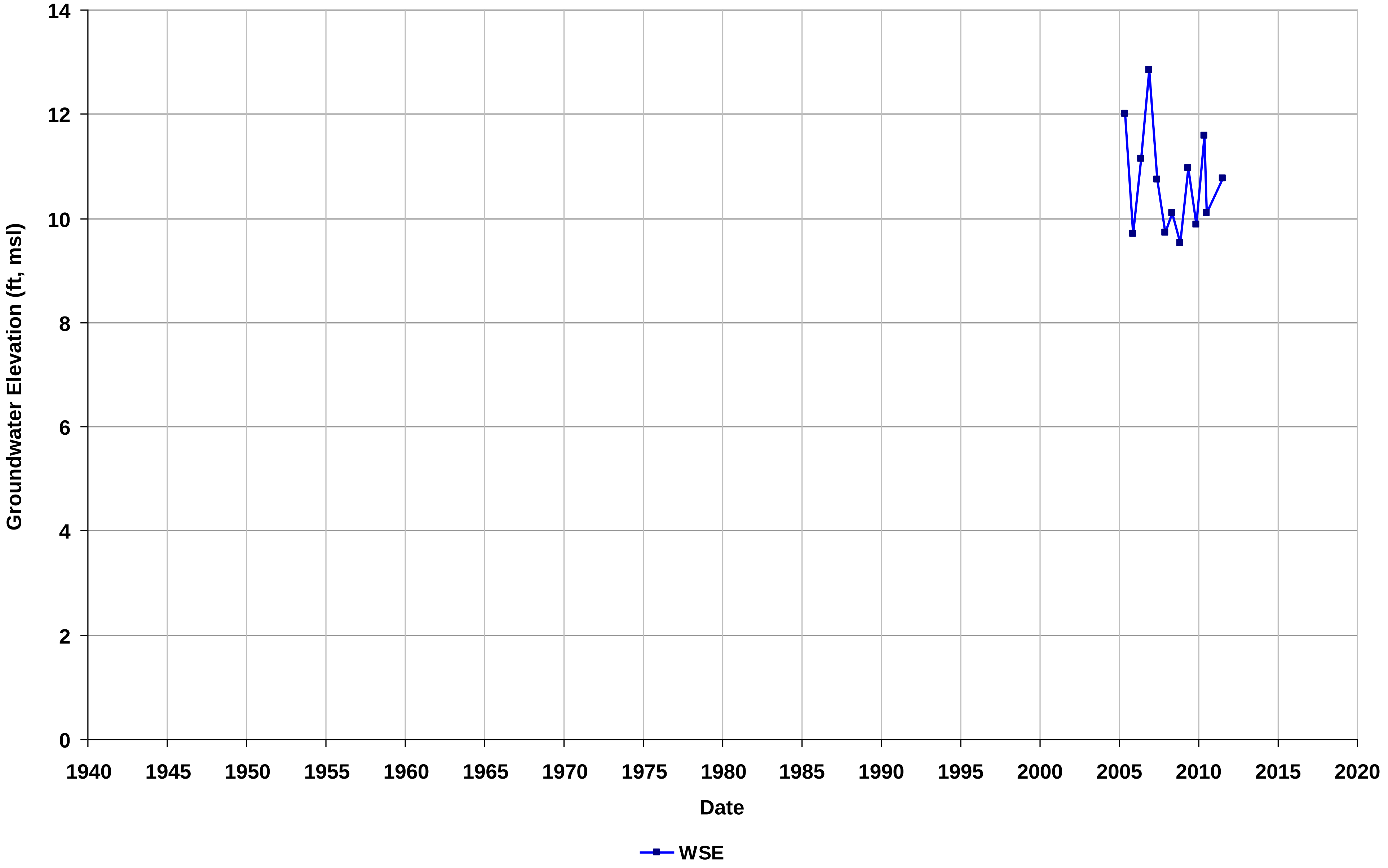
Well Name: SL181271127-KW-7
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



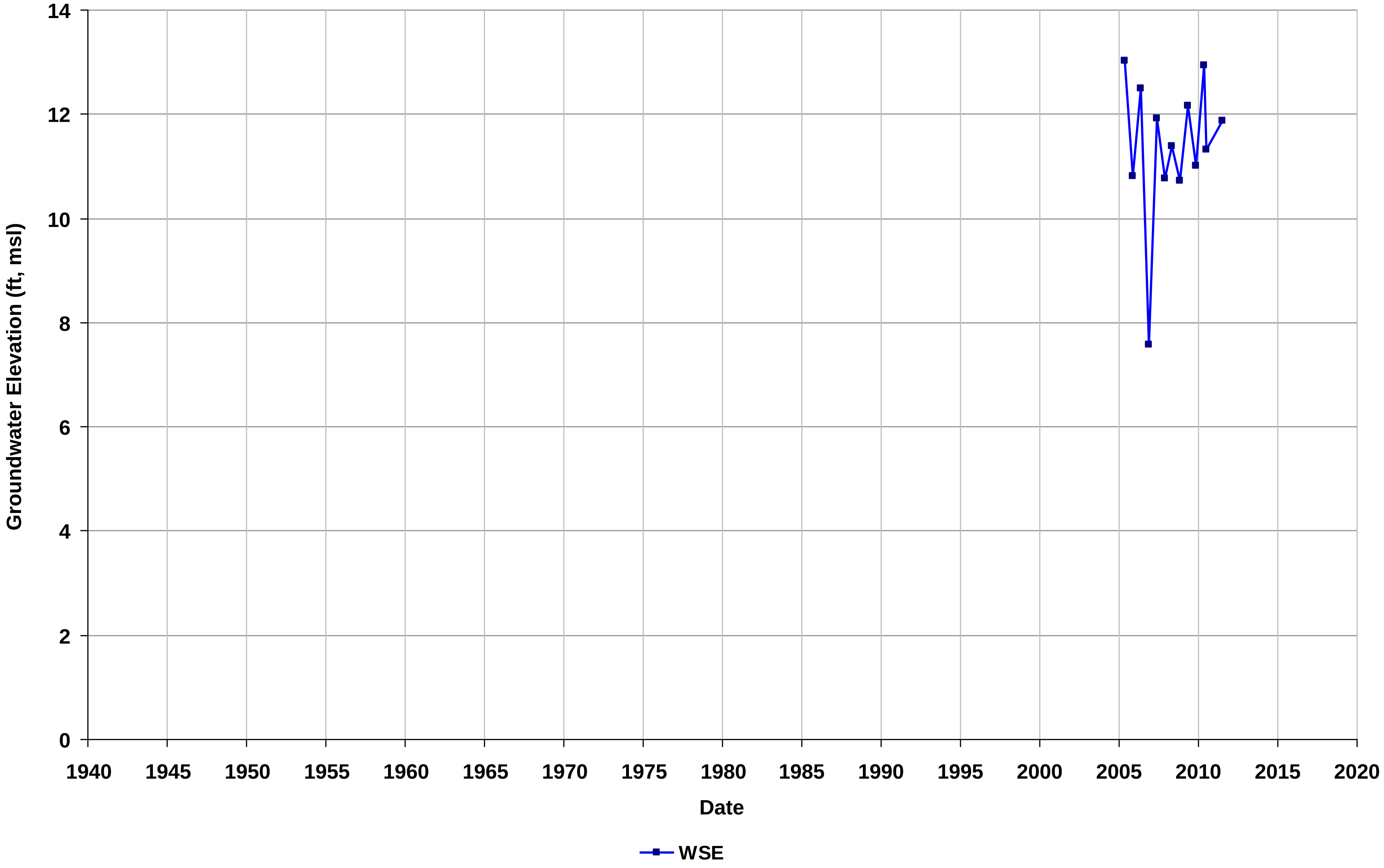
Well Name: SL181271127-KW-8
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



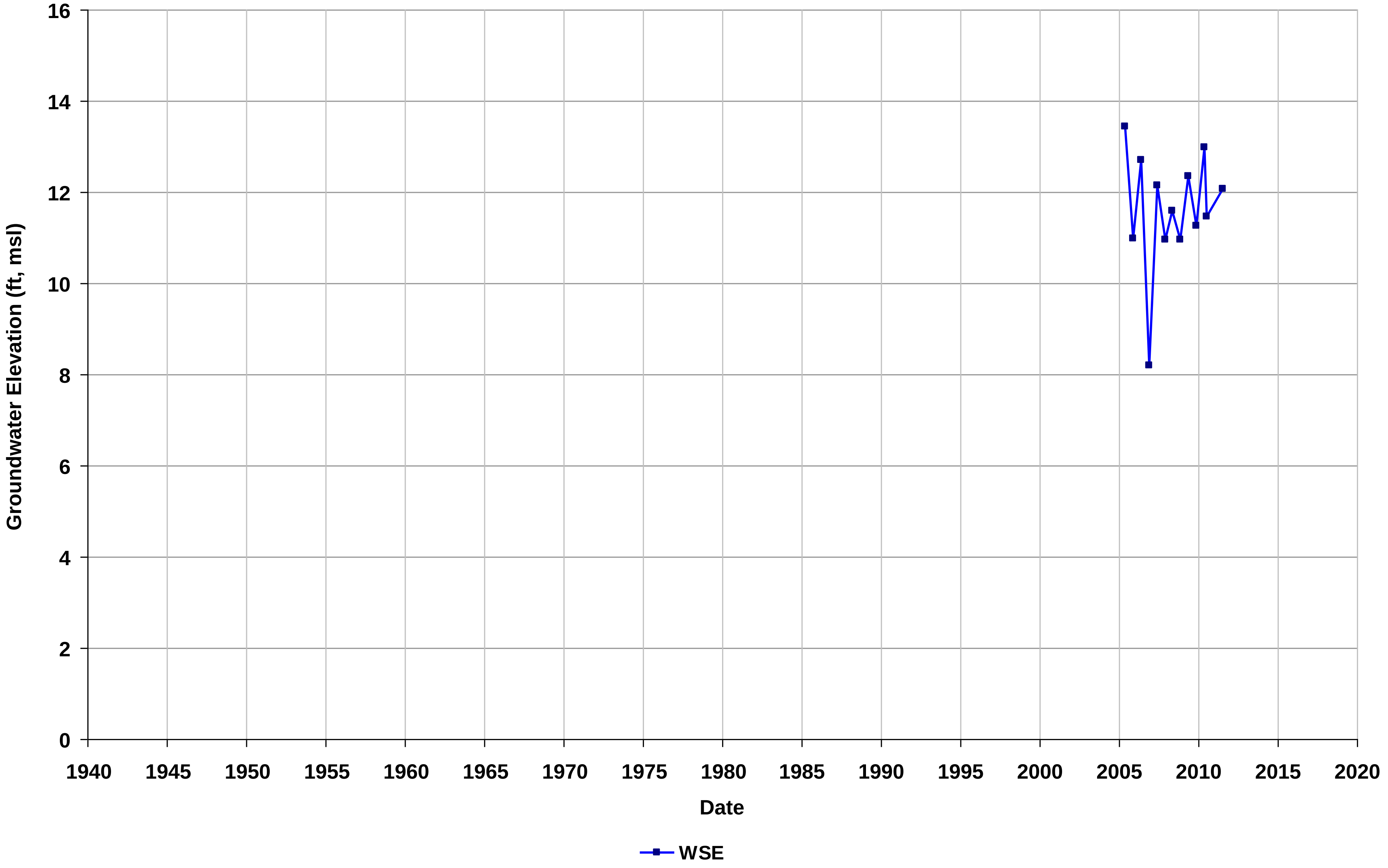
Well Name: SL181271127-KW-9
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



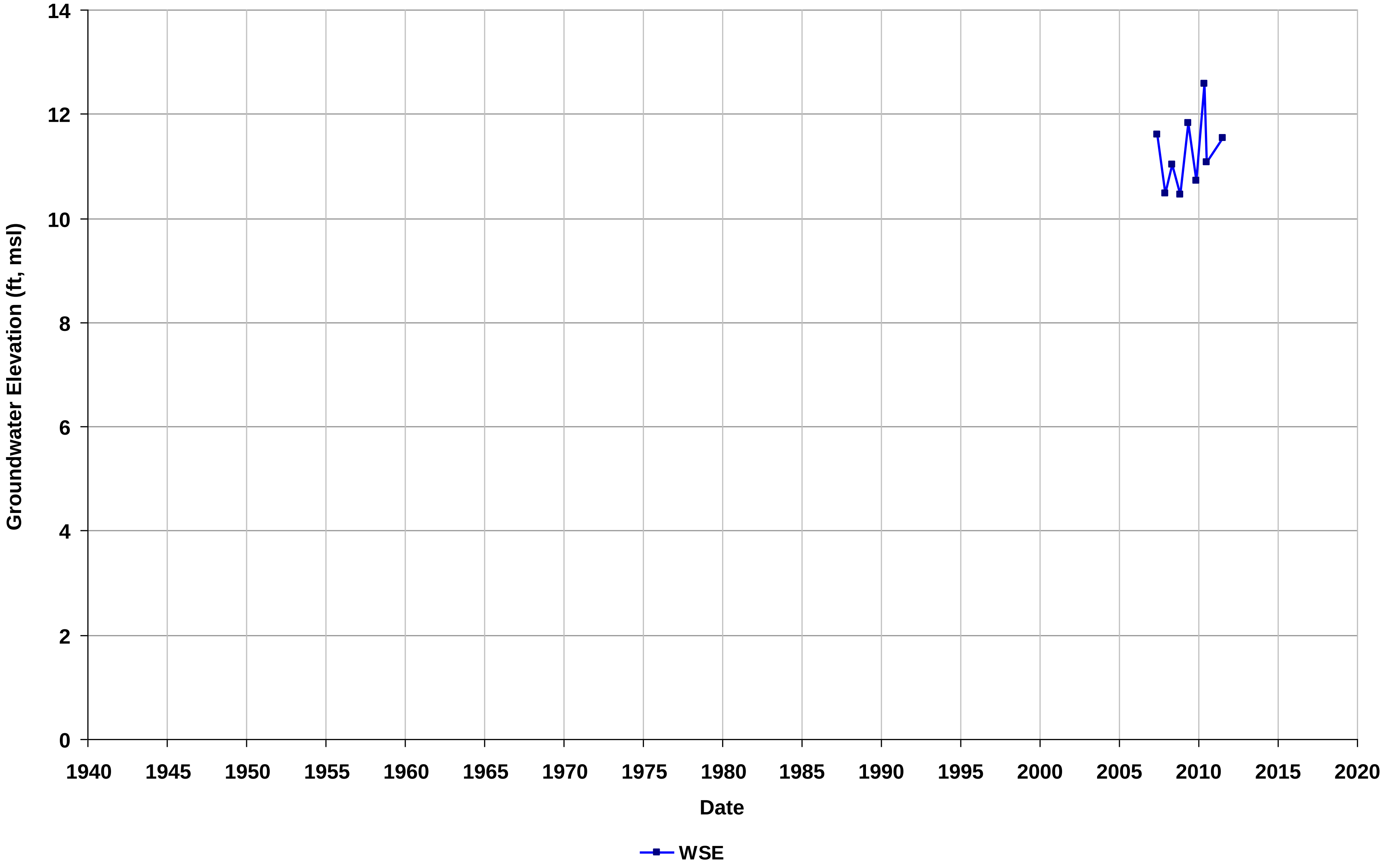
Well Name: SL181271127-W-10
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



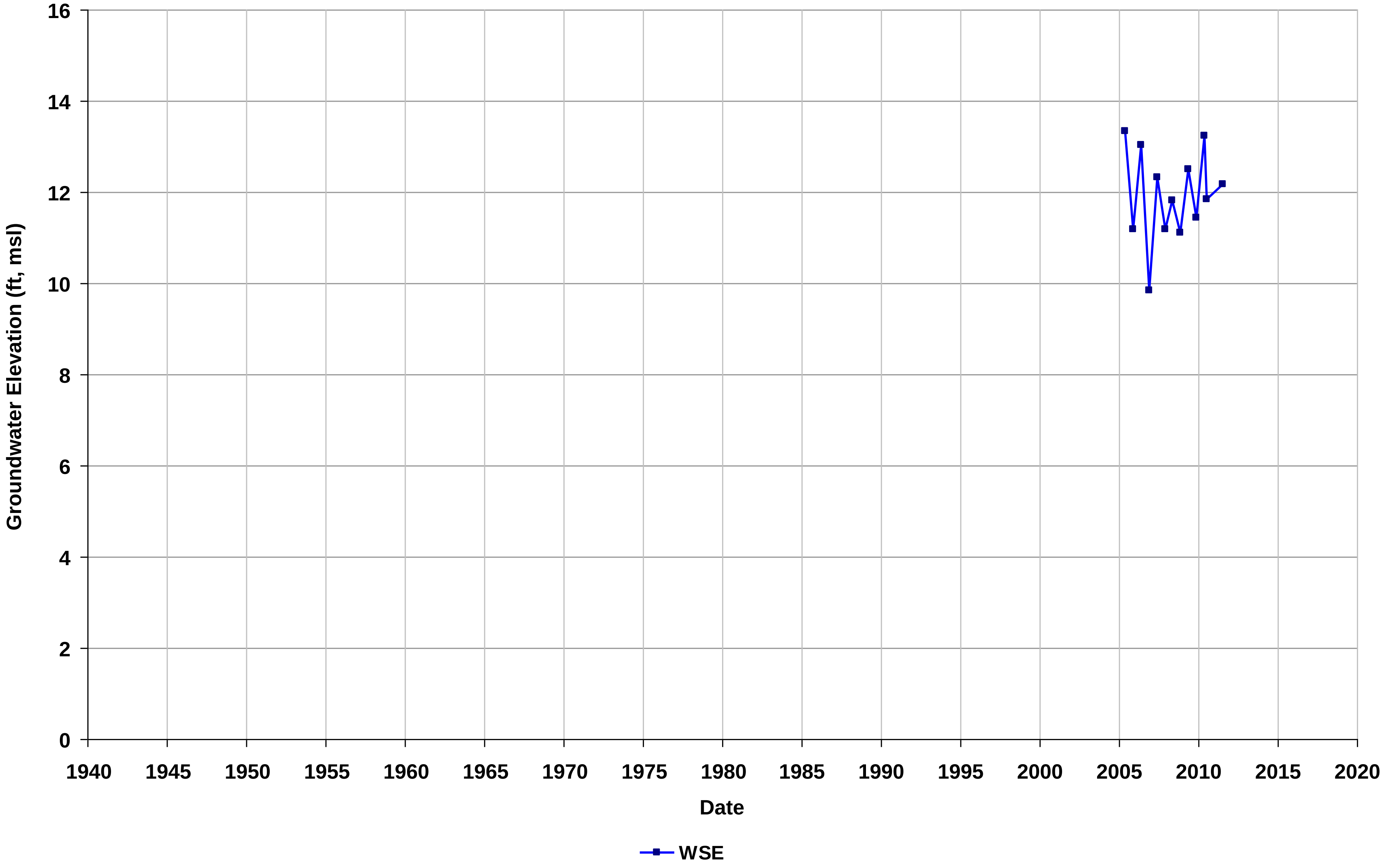
Well Name: SL181271127-W-12A
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



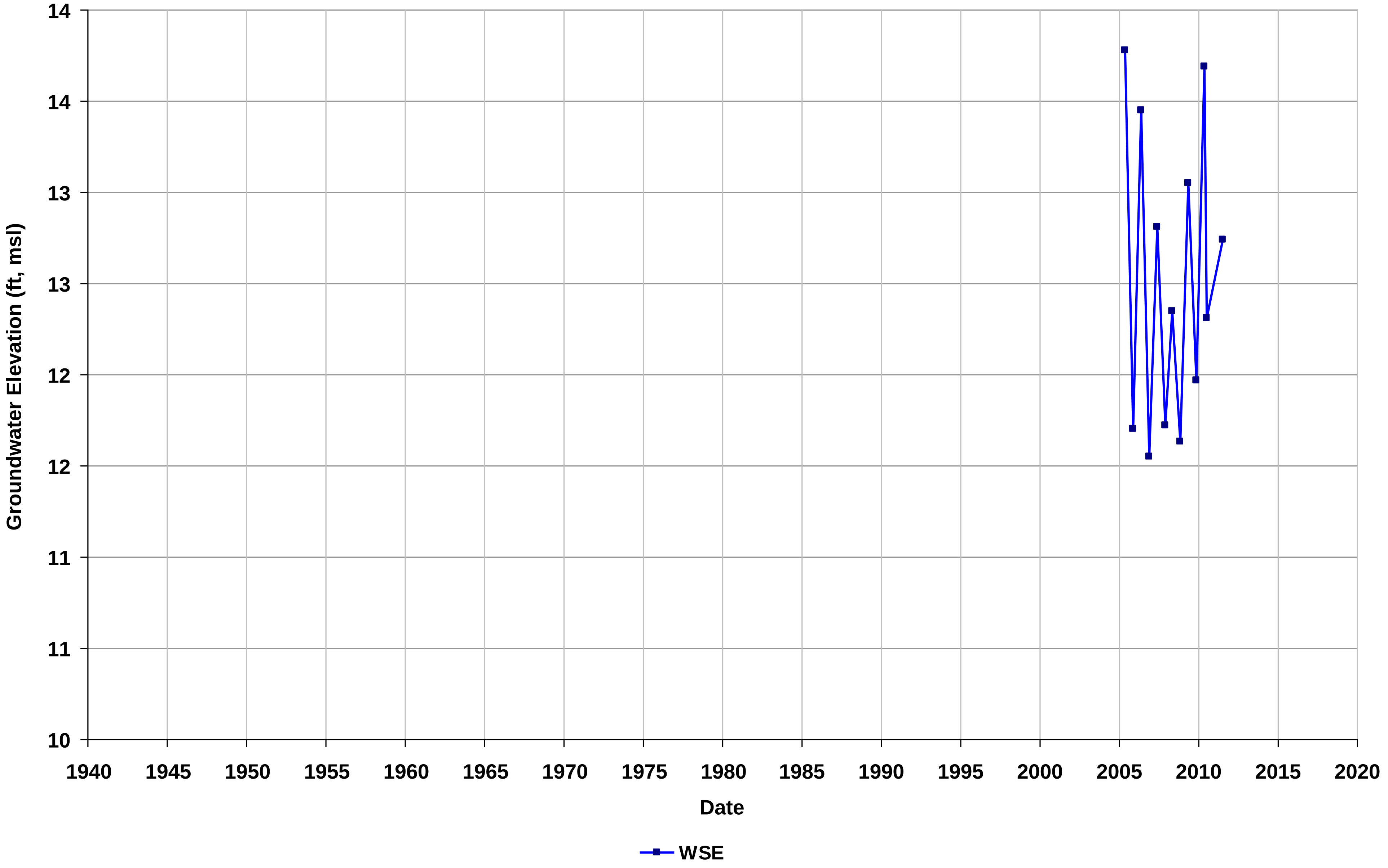
Well Name: SL181271127-W-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



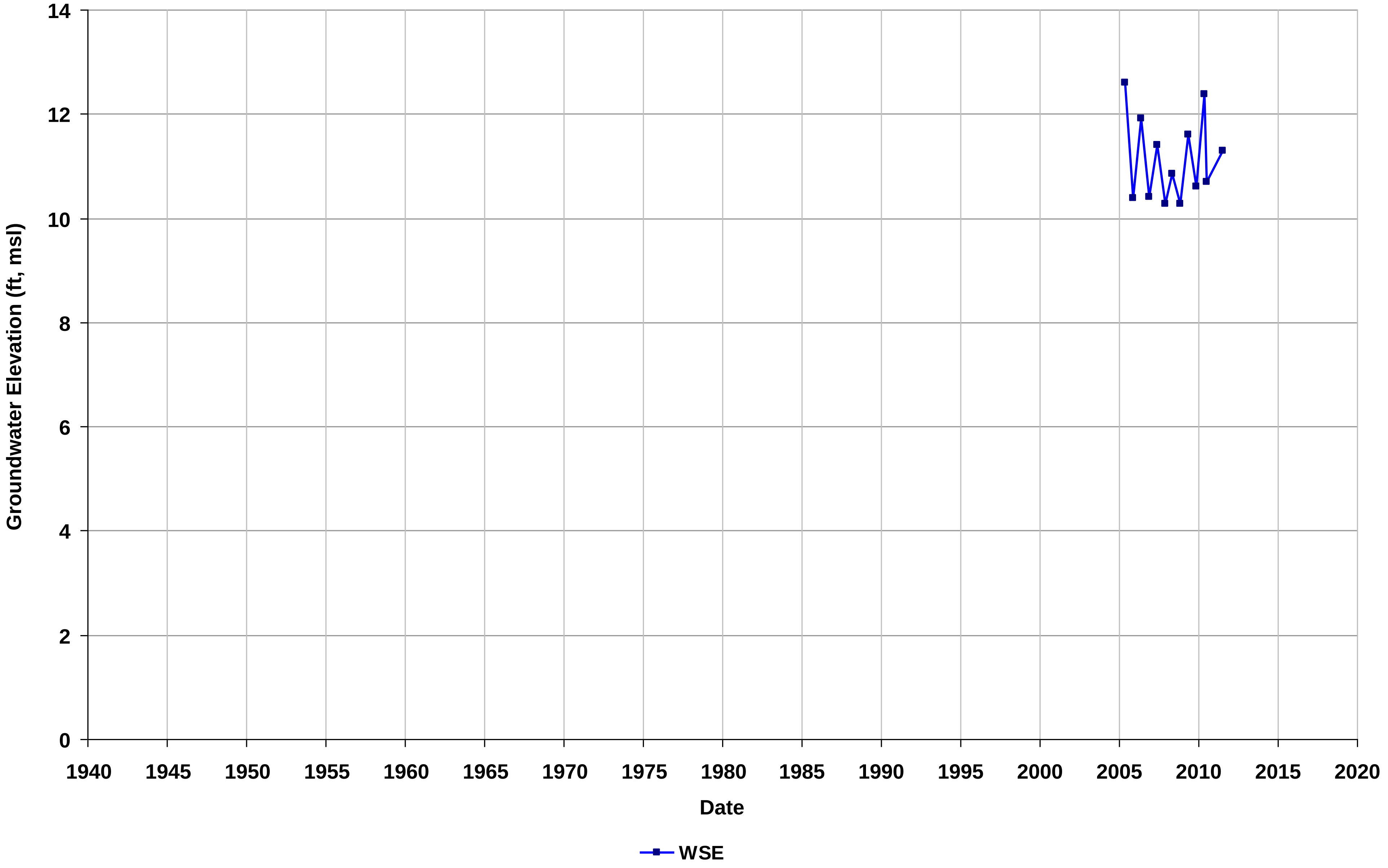
Well Name: SL181271127-W-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



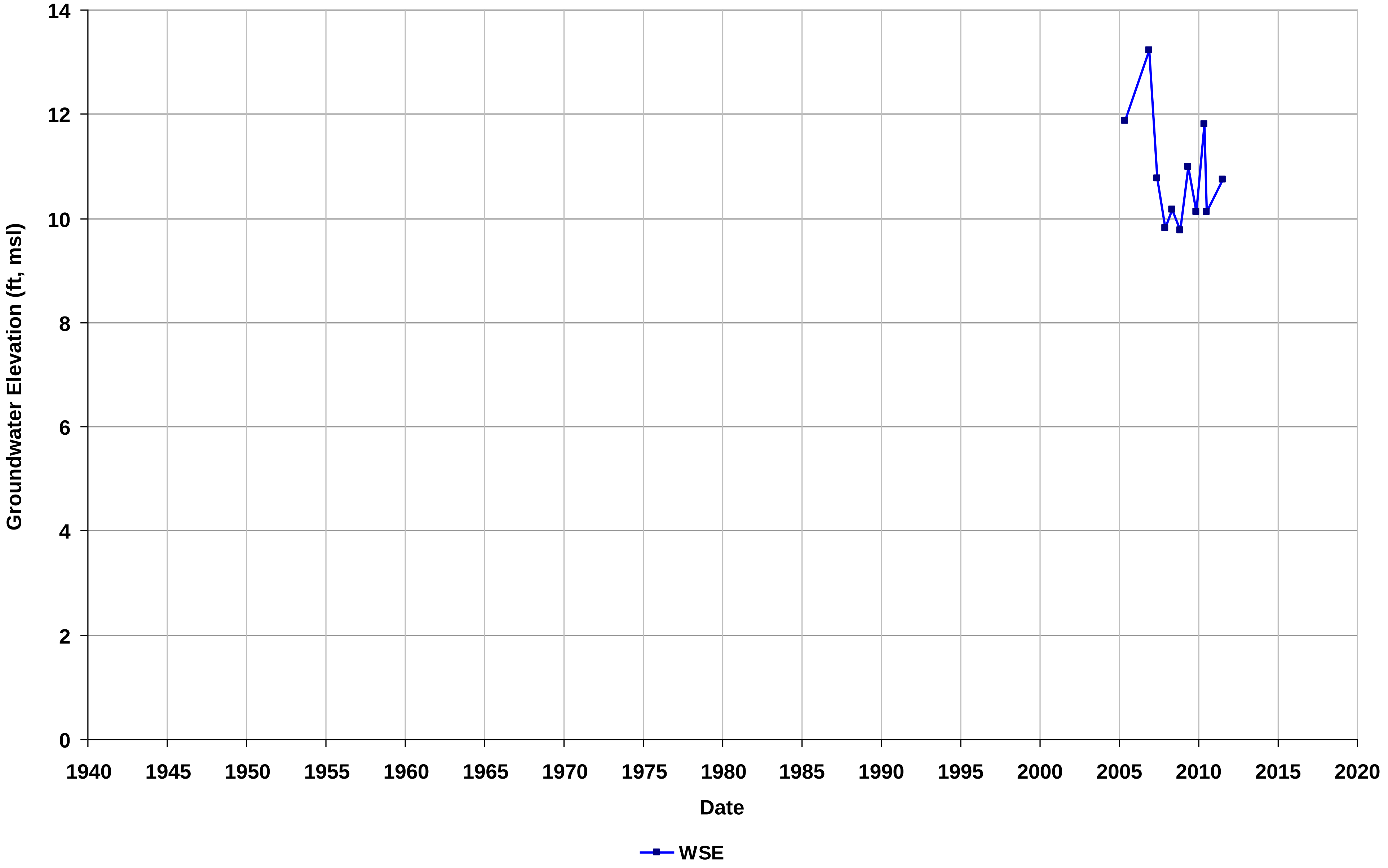
Well Name: SL181271127-W-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



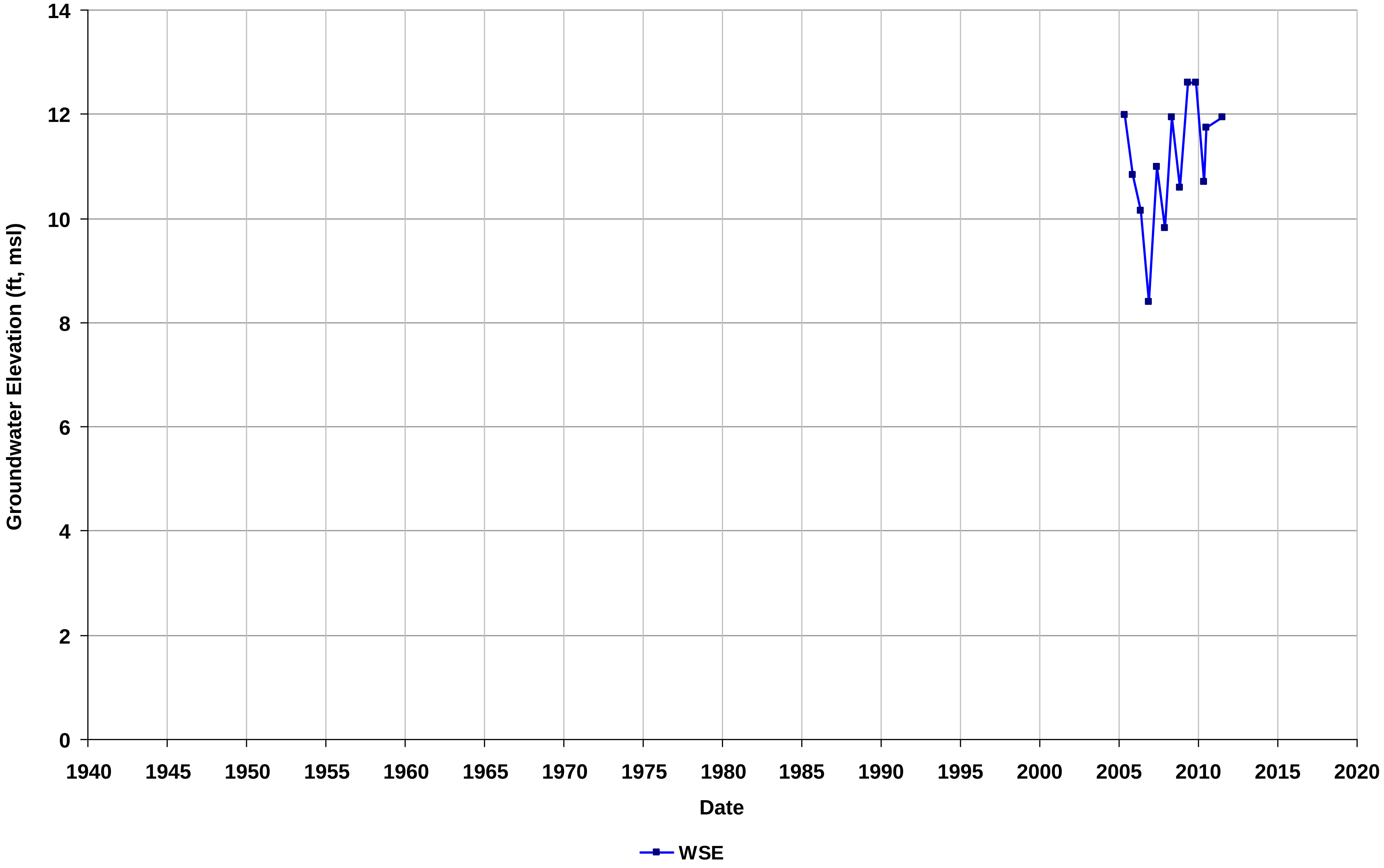
Well Name: SL181271127-W-7
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



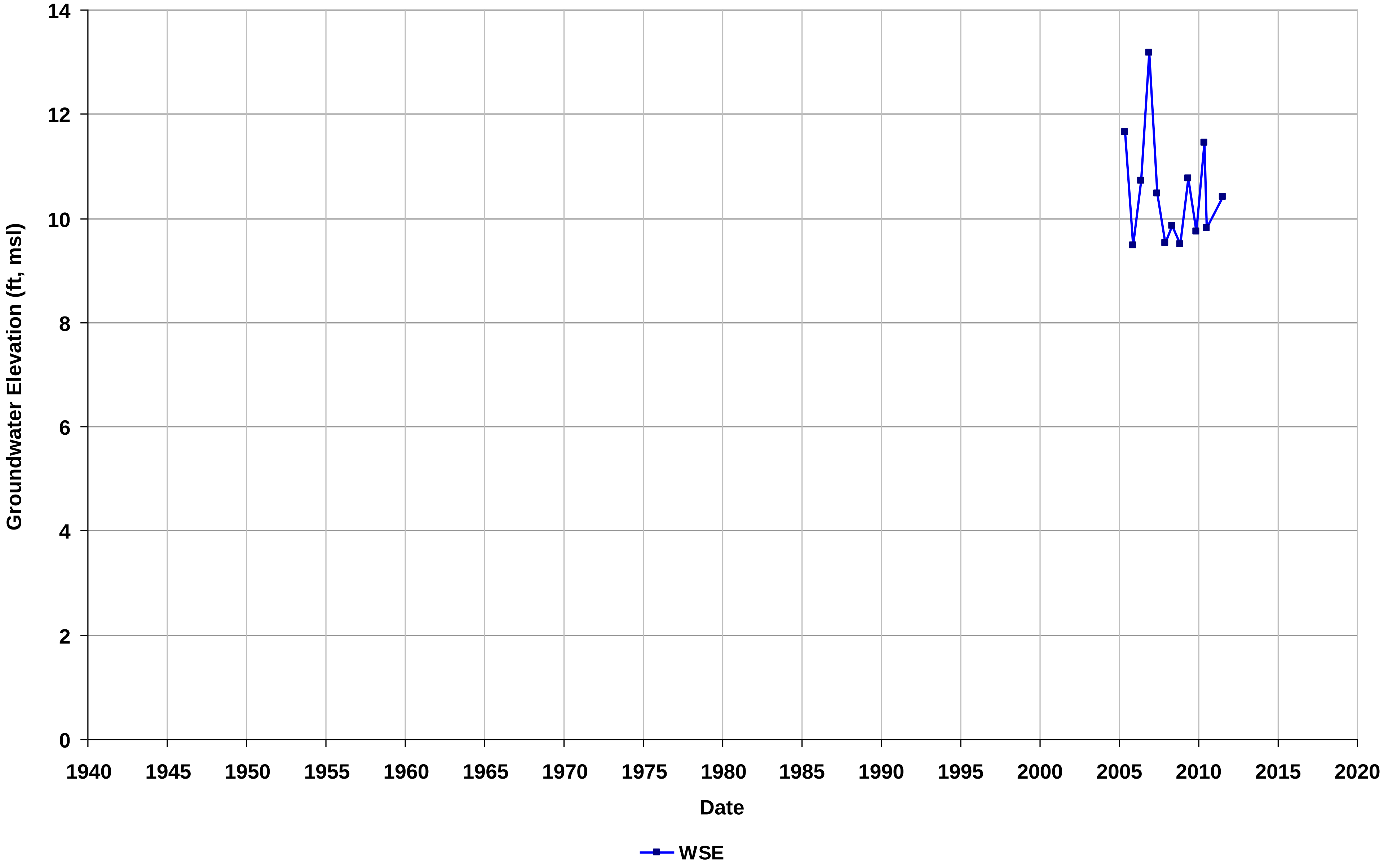
Well Name: SL181271127-W-8
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



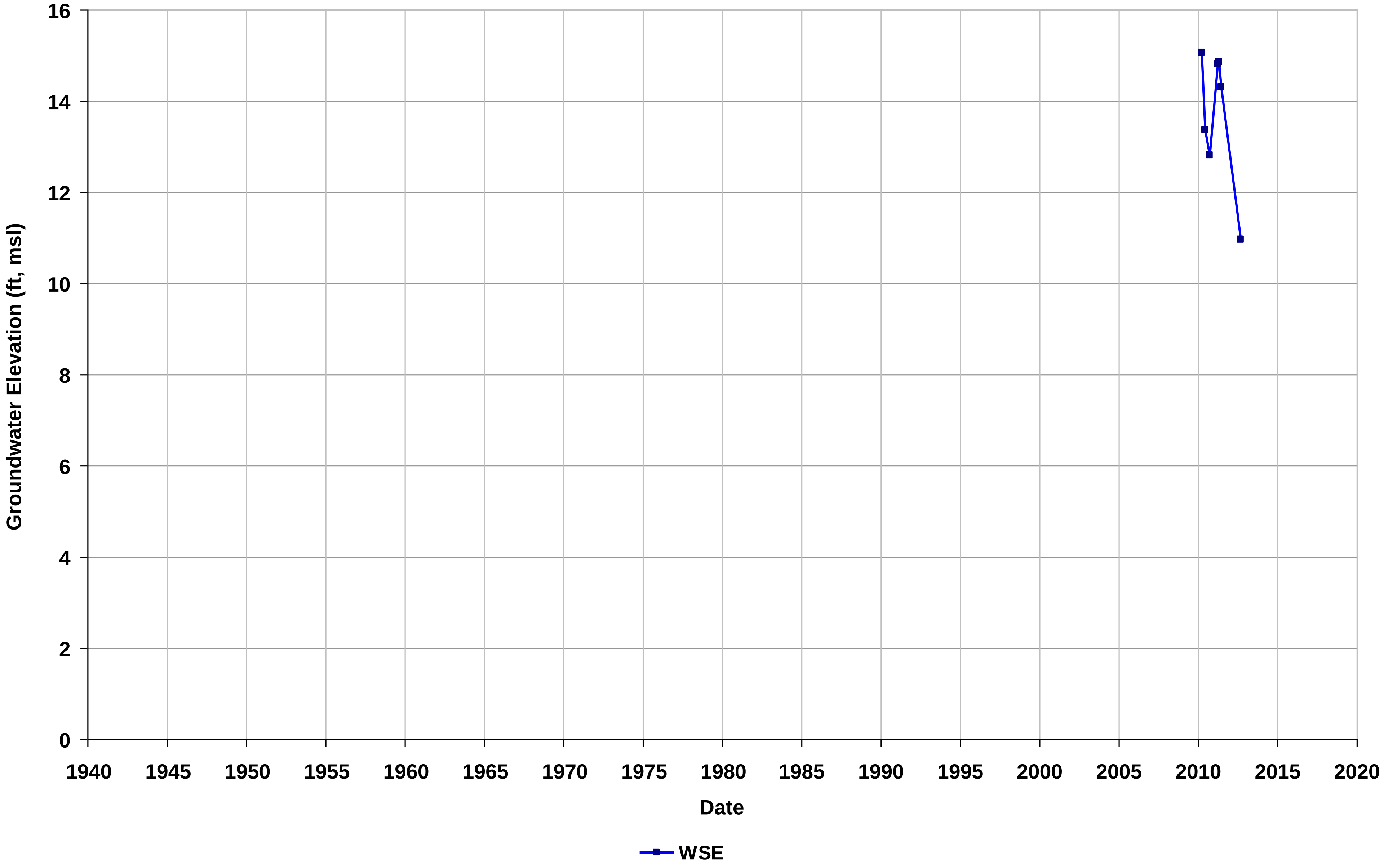
Well Name: SL181271127-W-9
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



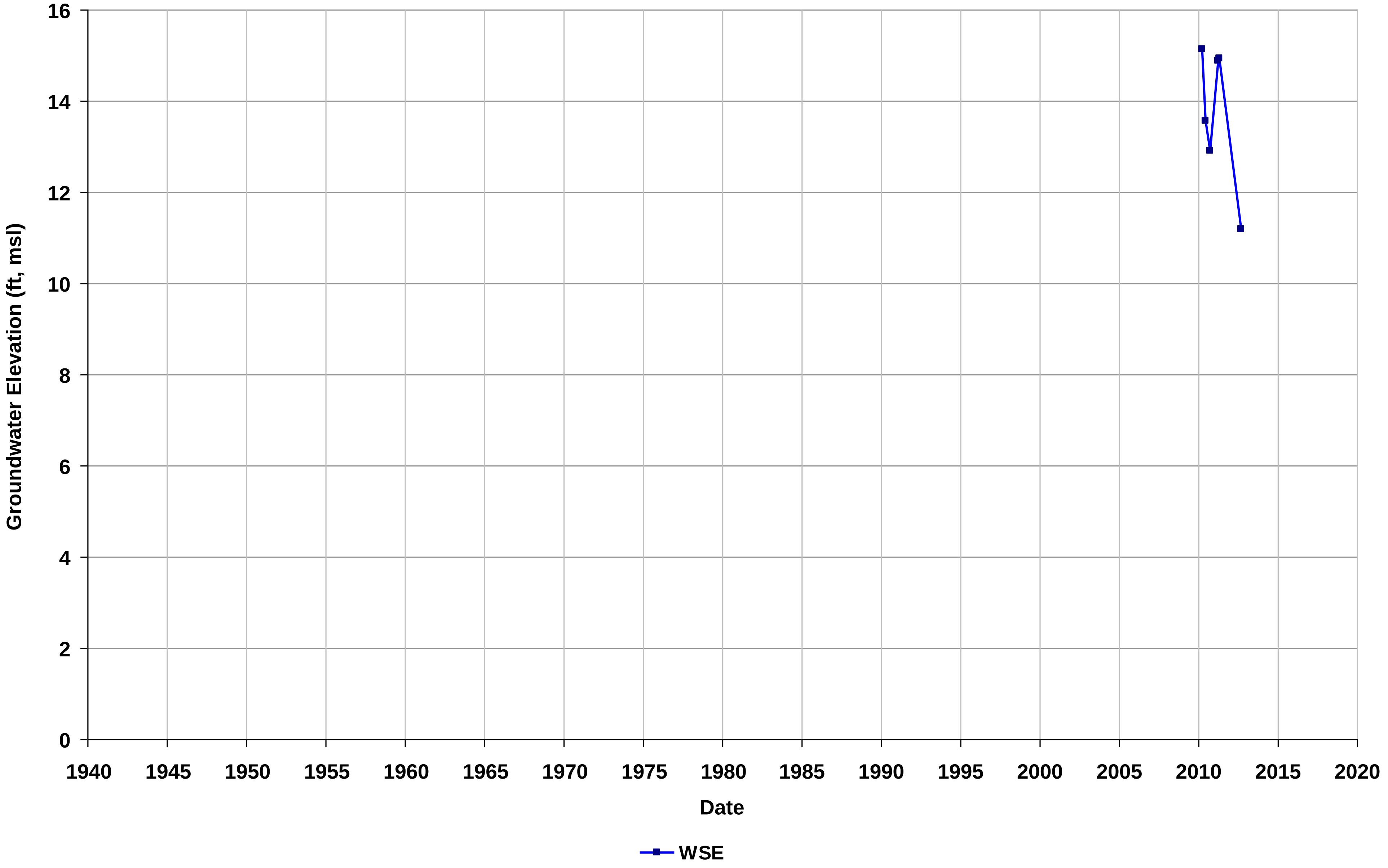
Well Name: SL18229627-RZ-2B
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



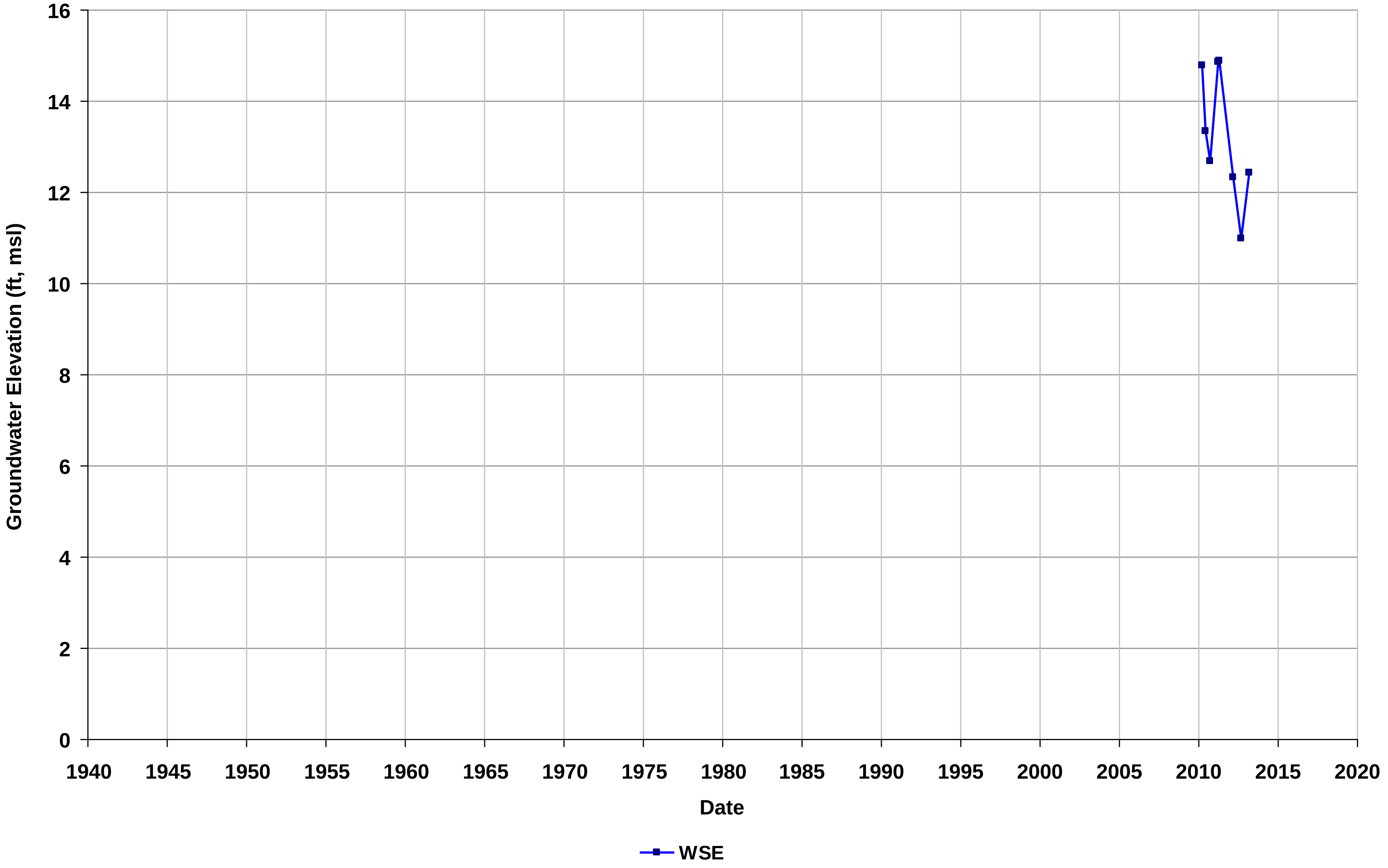
Well Name: SL18229627-RZ-2C
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



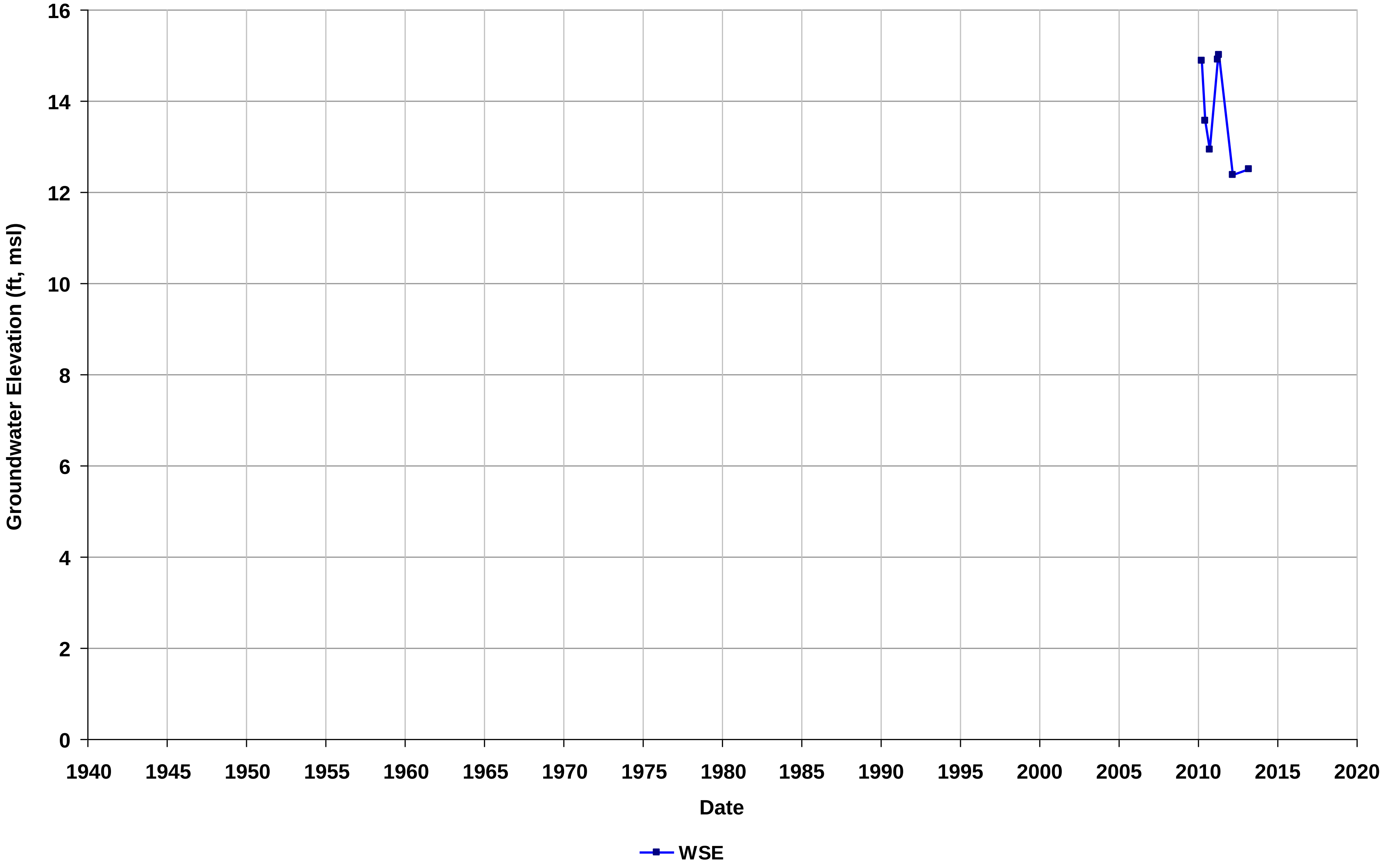
Well Name: SL18229627-TEMP-10SE
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



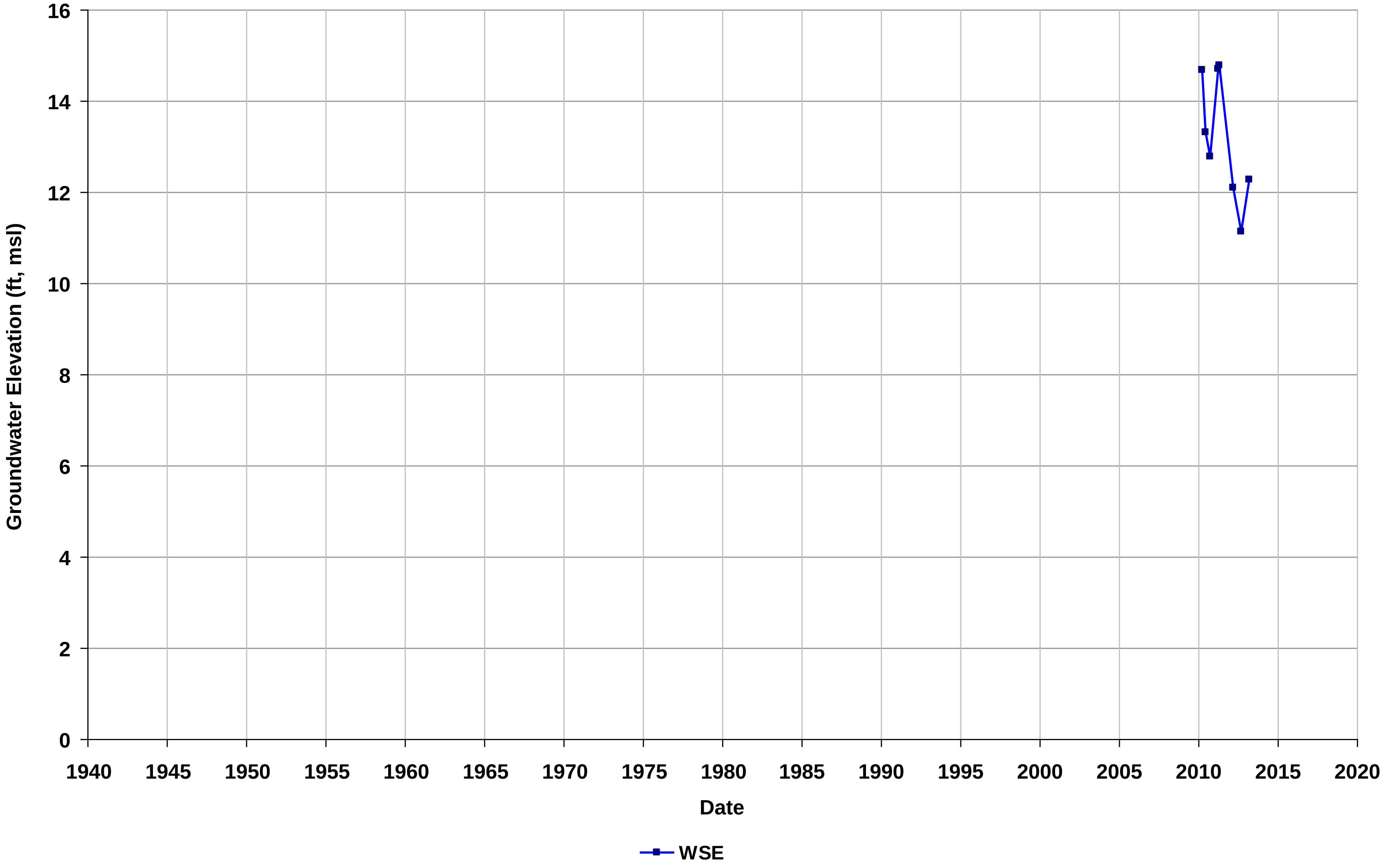
Well Name: SL18229627-TEMP-10SW
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



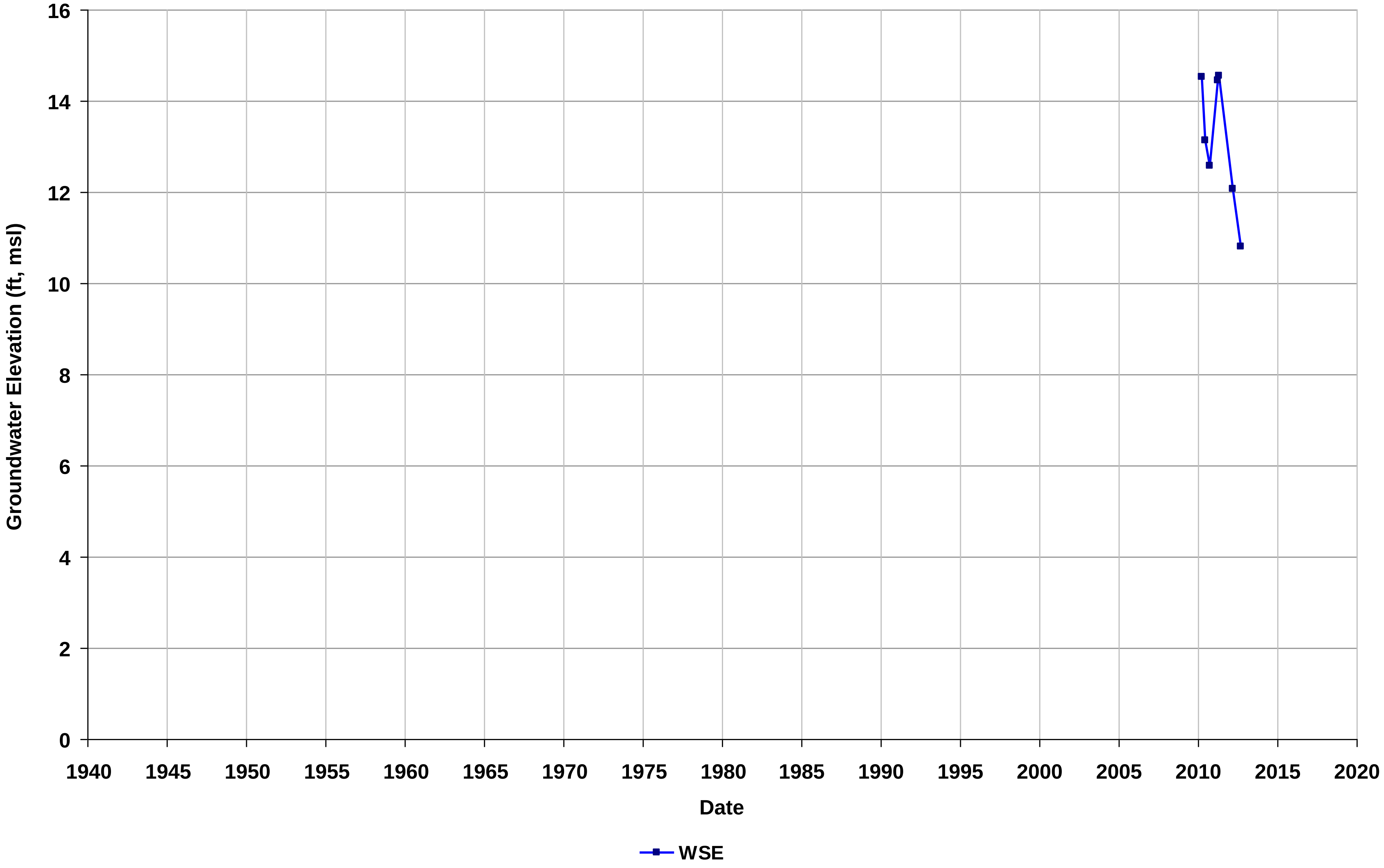
Well Name: SL18229627-TEMP-20S
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



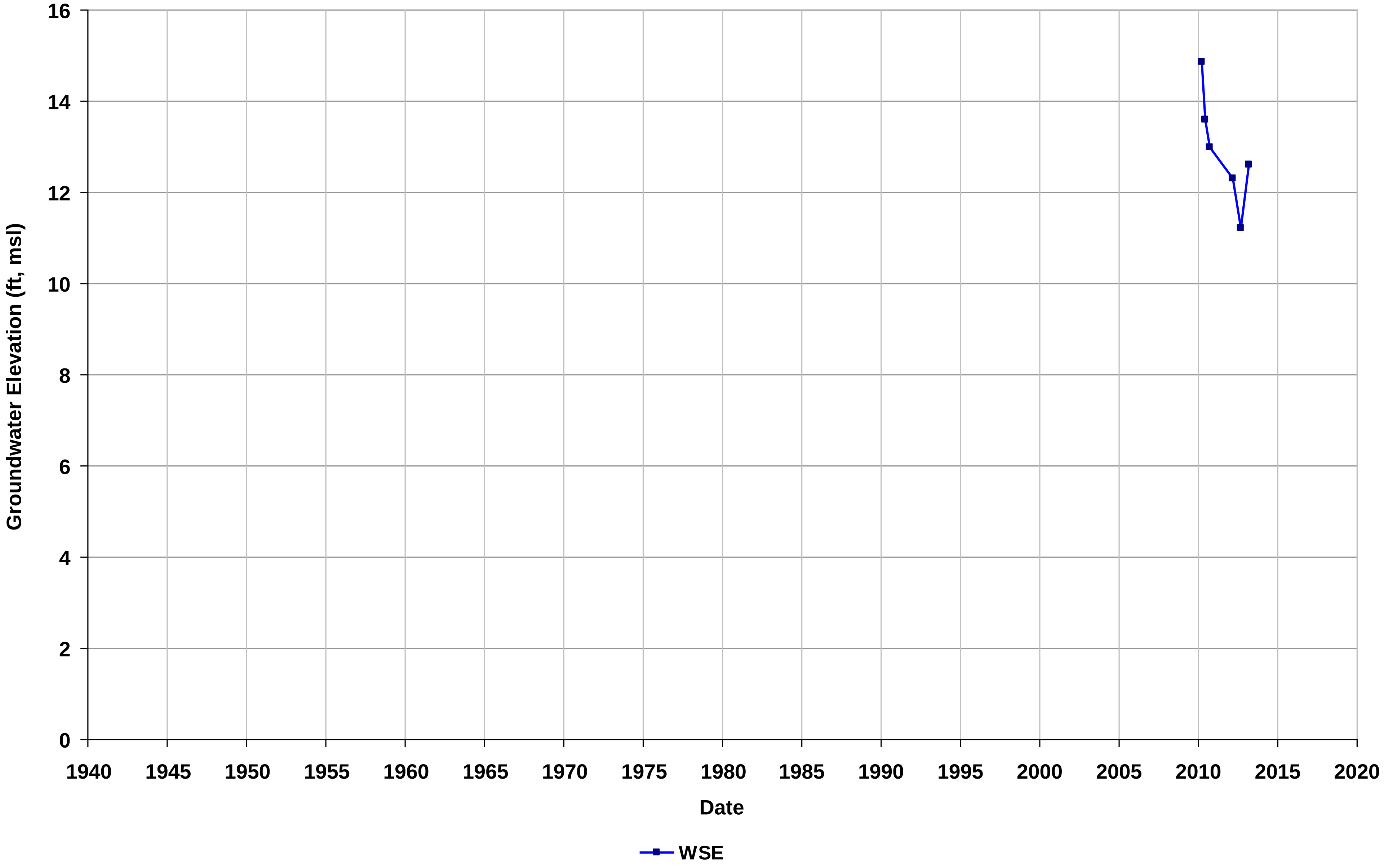
Well Name: SL18229627-TEMP-20W
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



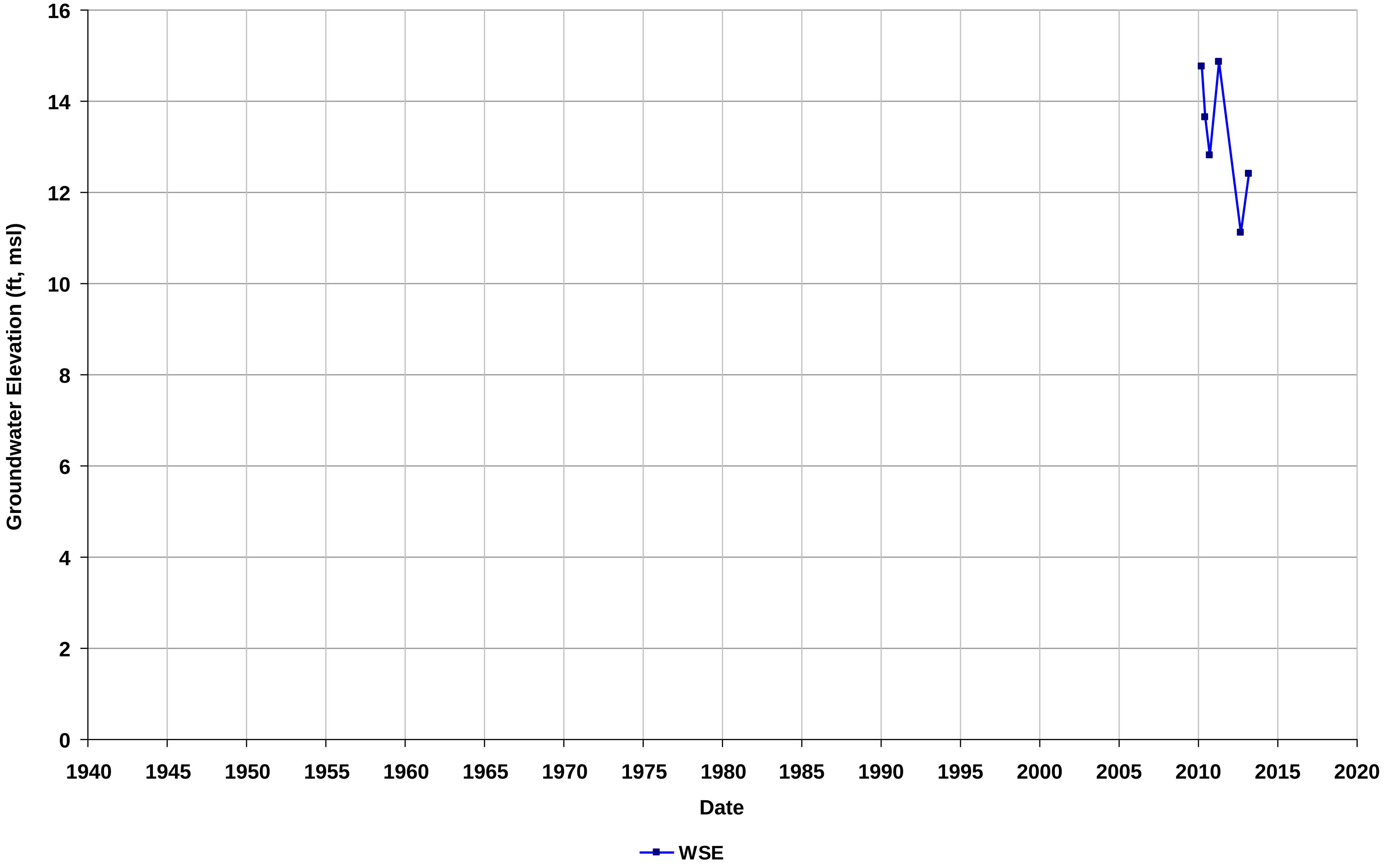
Well Name: SL18229627-TEMP-30S
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



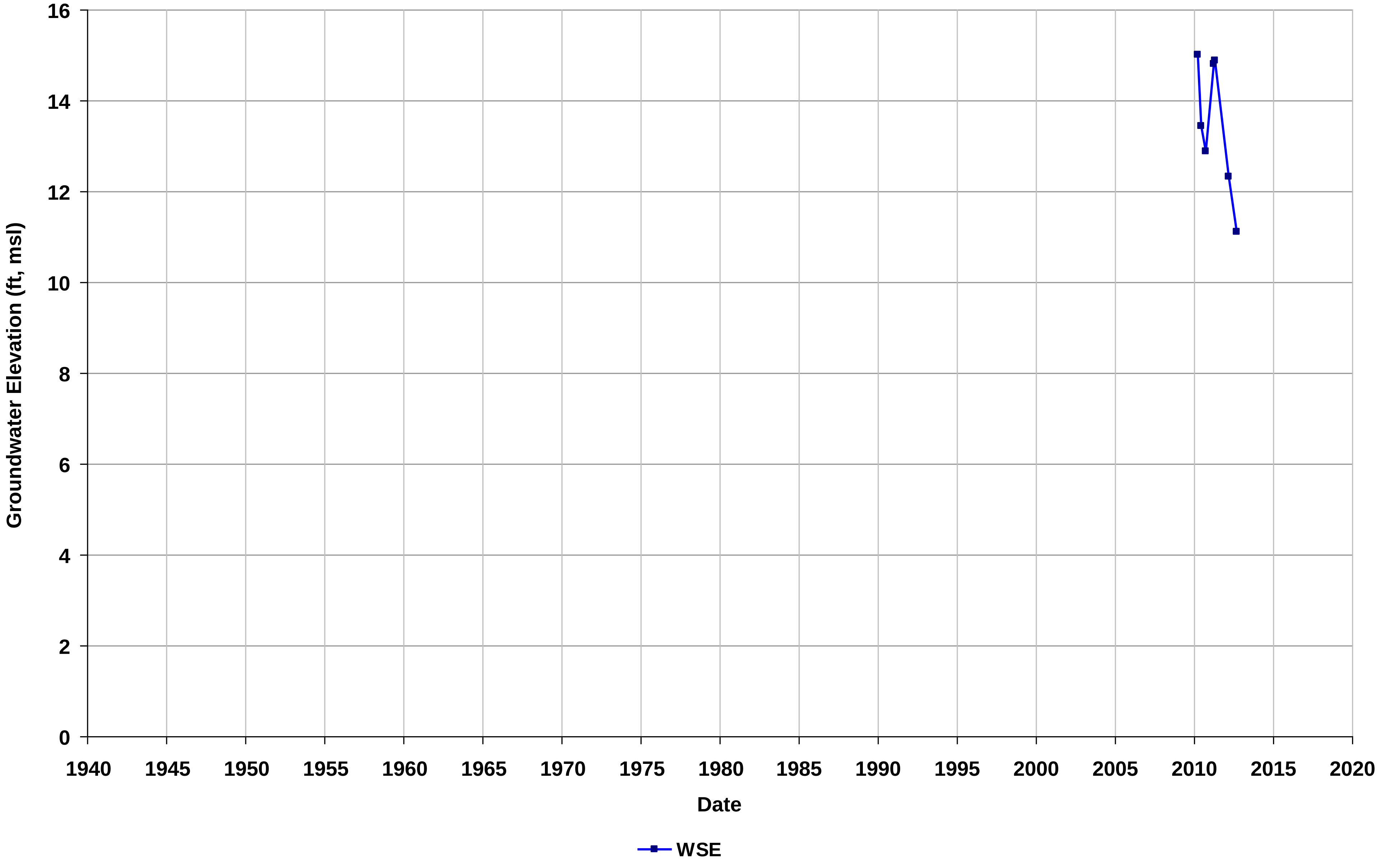
Well Name: SL18229627-TEMP-30SW
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



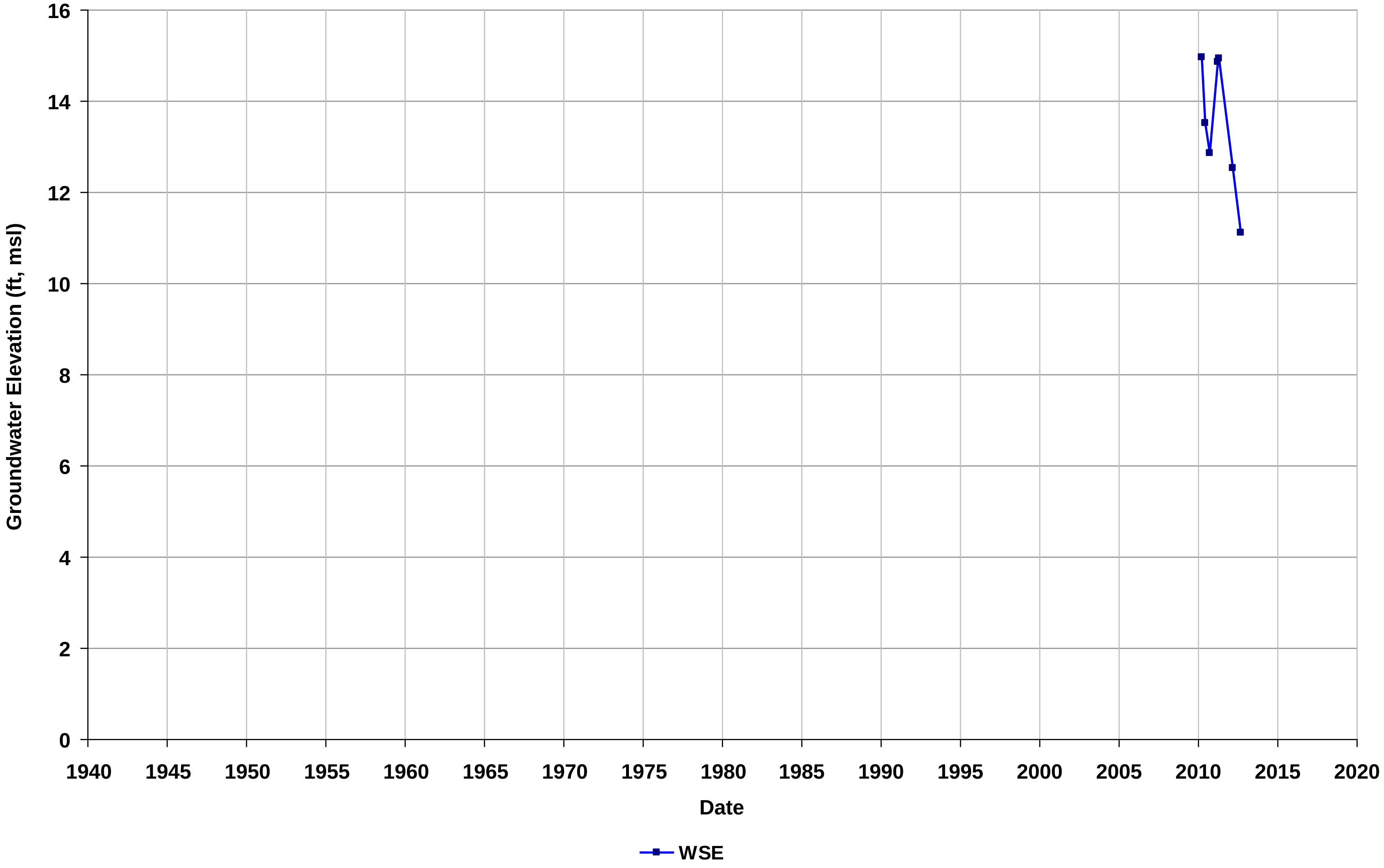
Well Name: SL18229627-TEMP-30W
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



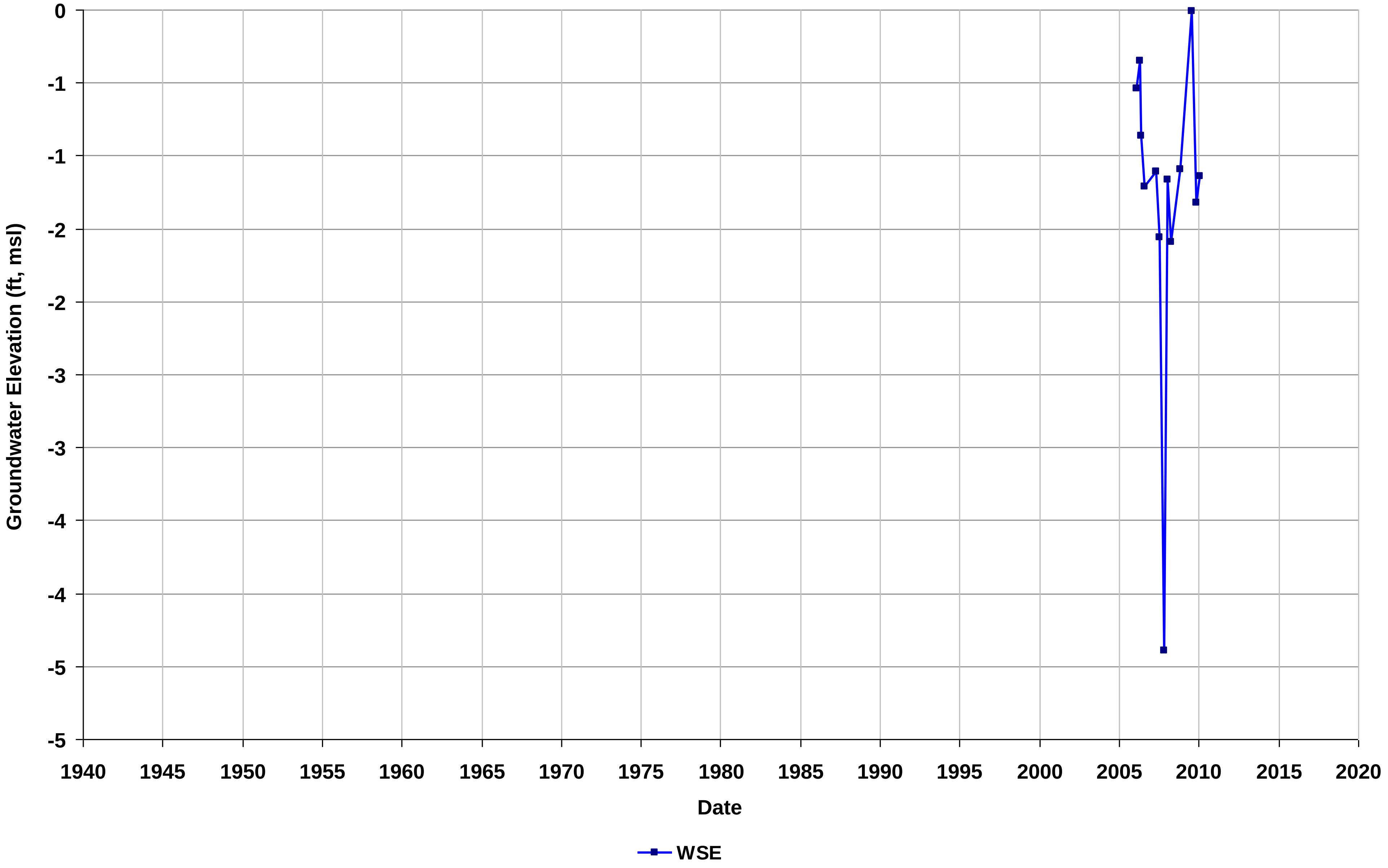
Well Name: SL18229627-TEMP-5NW
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



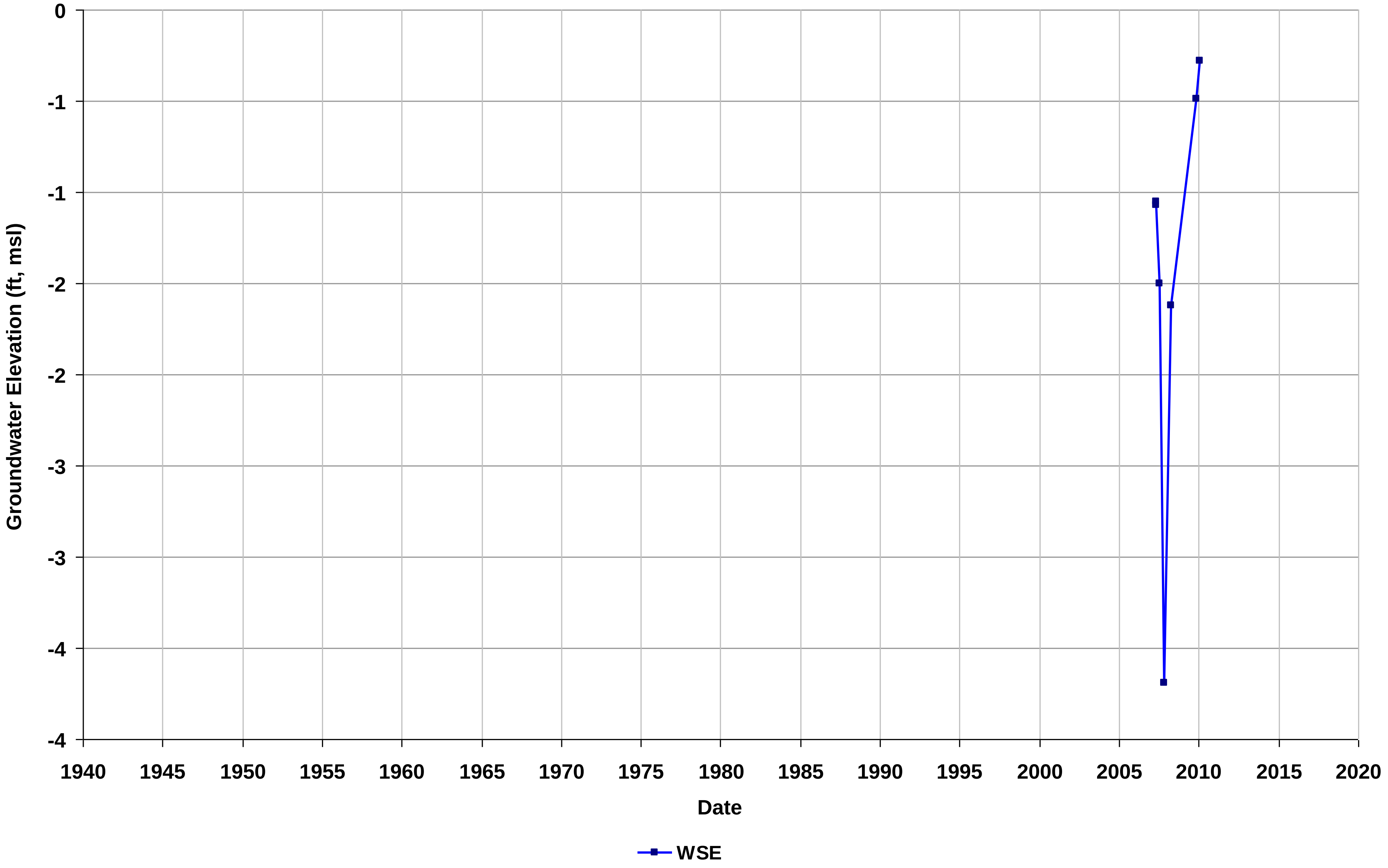
Well Name: SL20244862-AMW-10B
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/17
Well Use: Observation



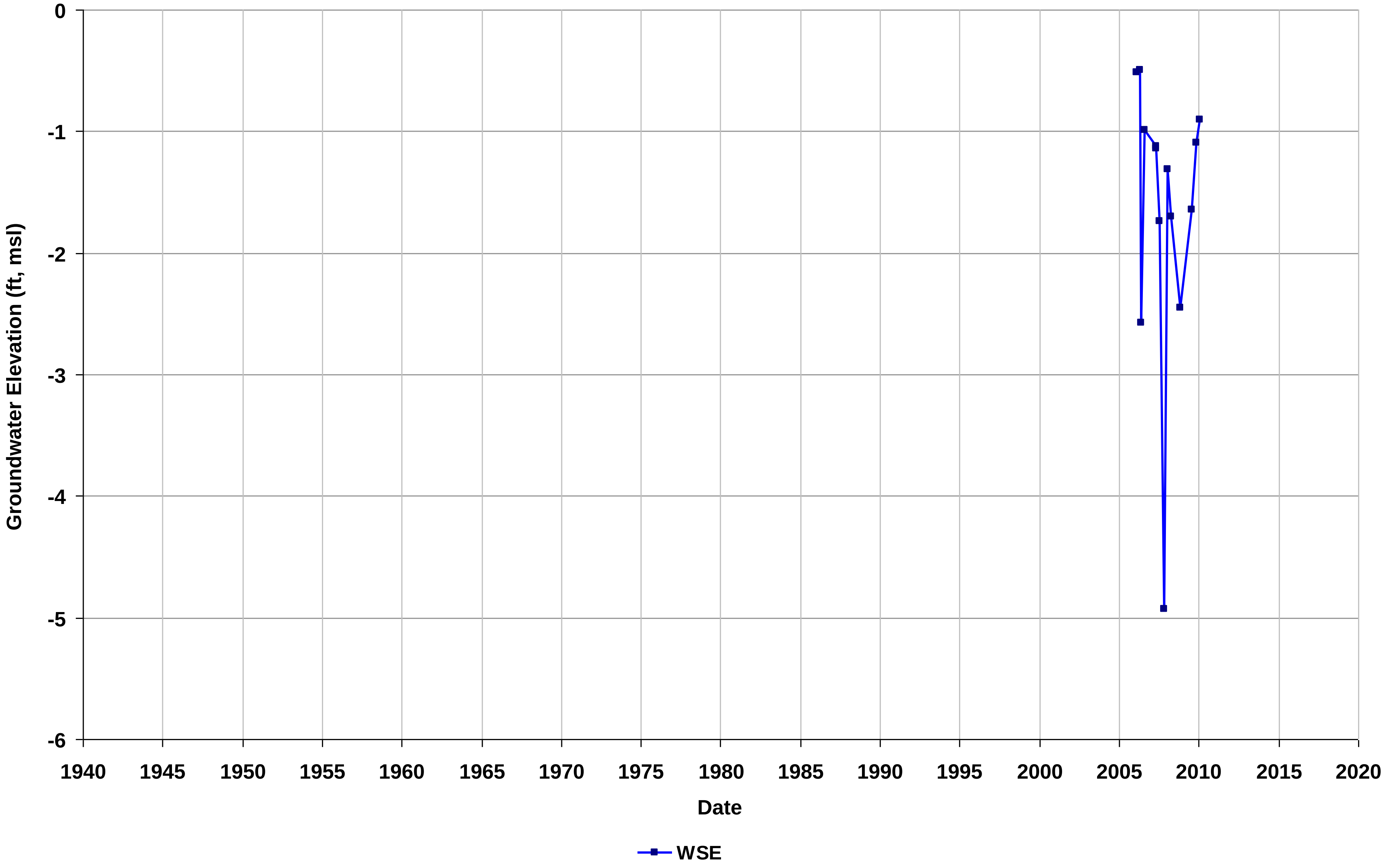
Well Name: SL20244862-AMW-11B
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/17
Well Use: Observation



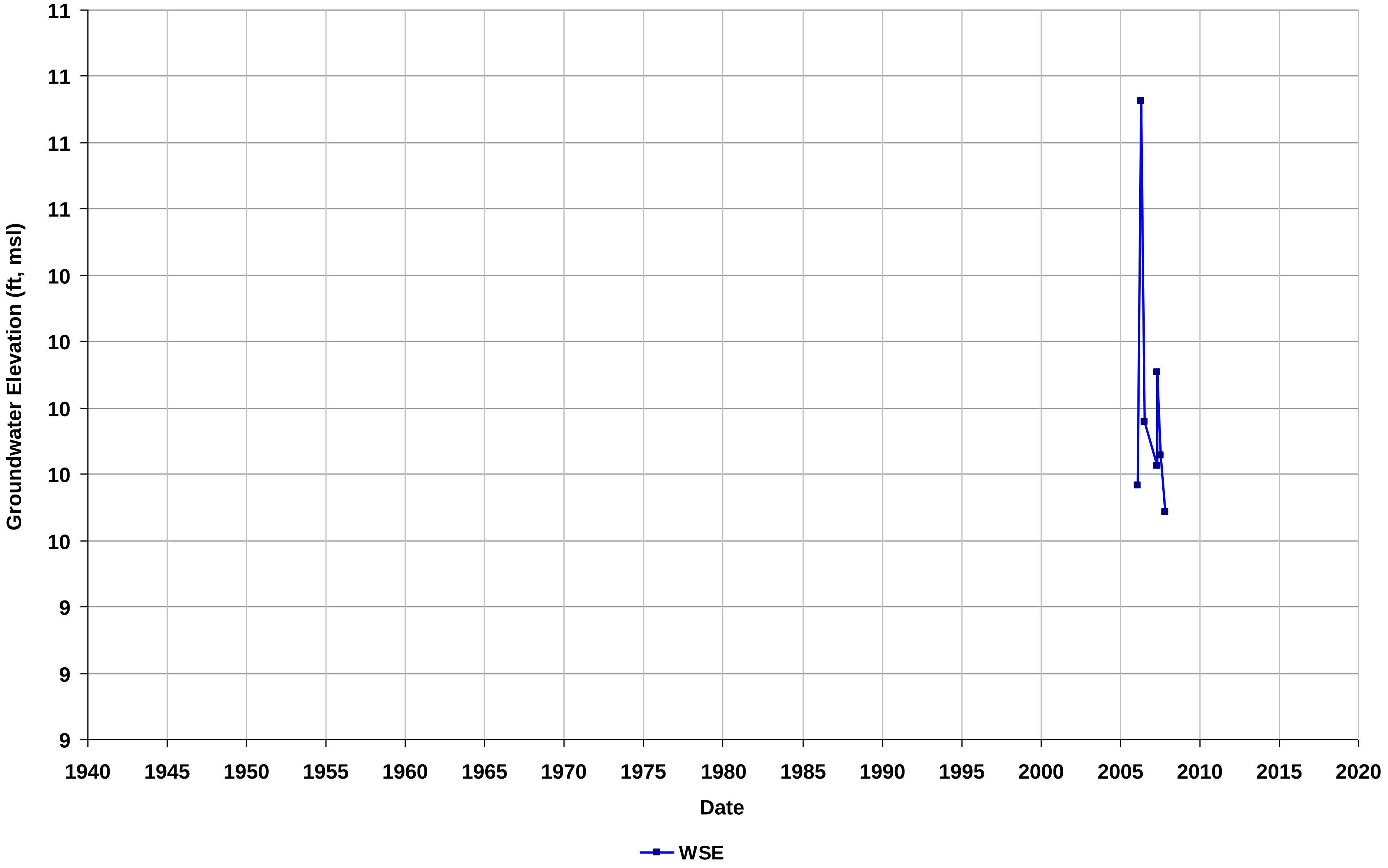
Well Name: SL20244862-AMW-12B
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/17
Well Use: Observation



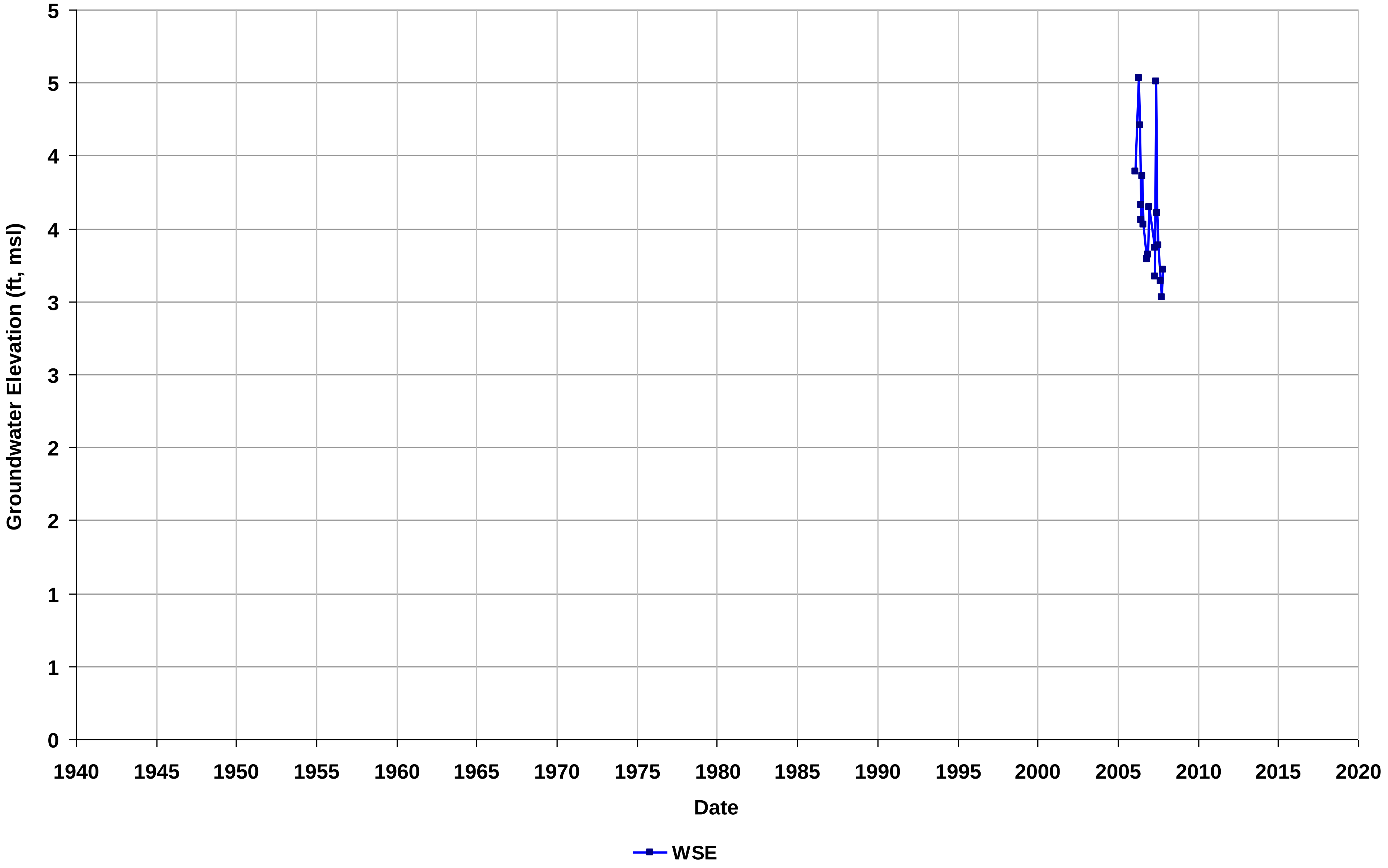
Well Name: SL20244862-AMW-13A
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



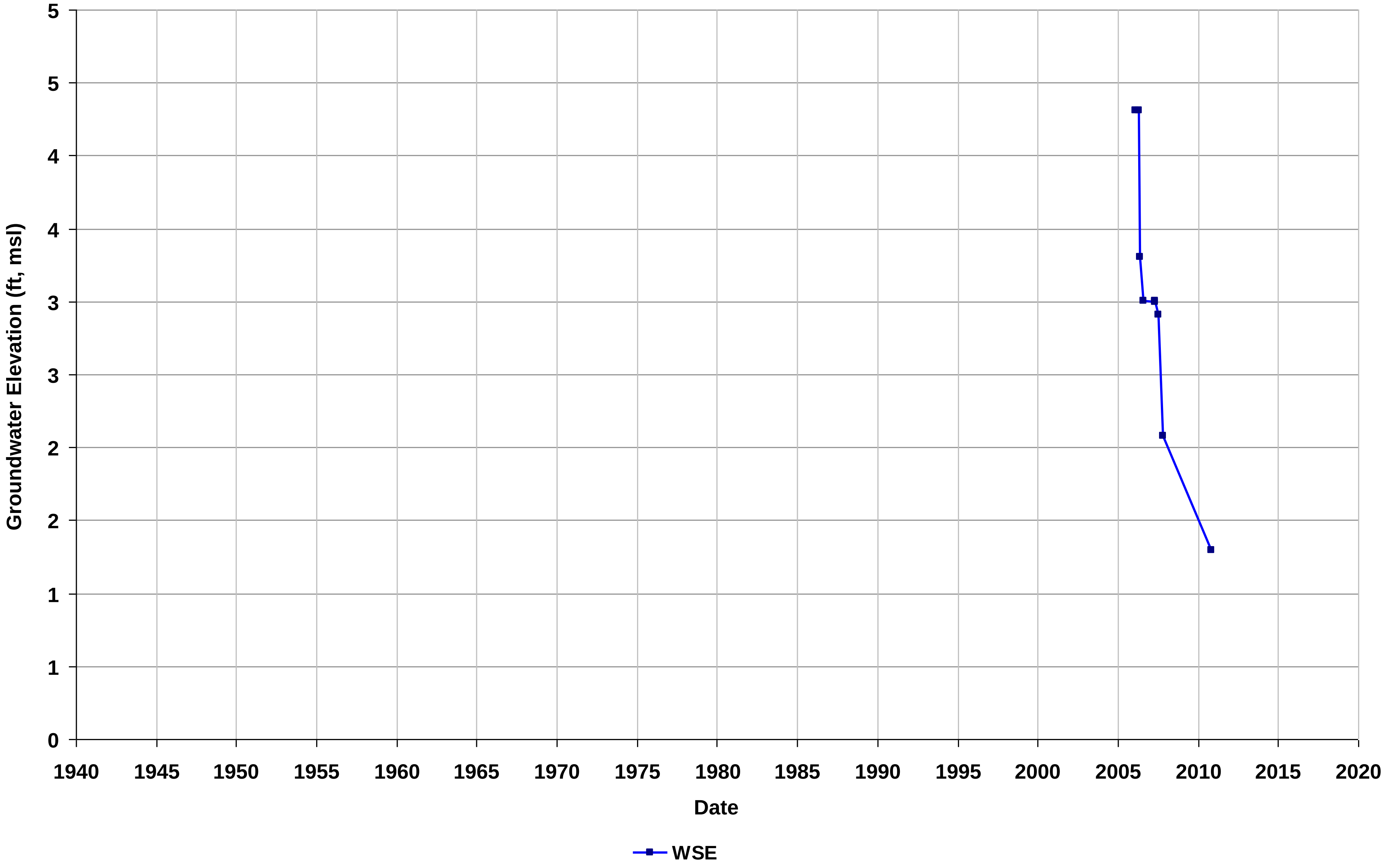
Well Name: SL20244862-AMW-2A
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



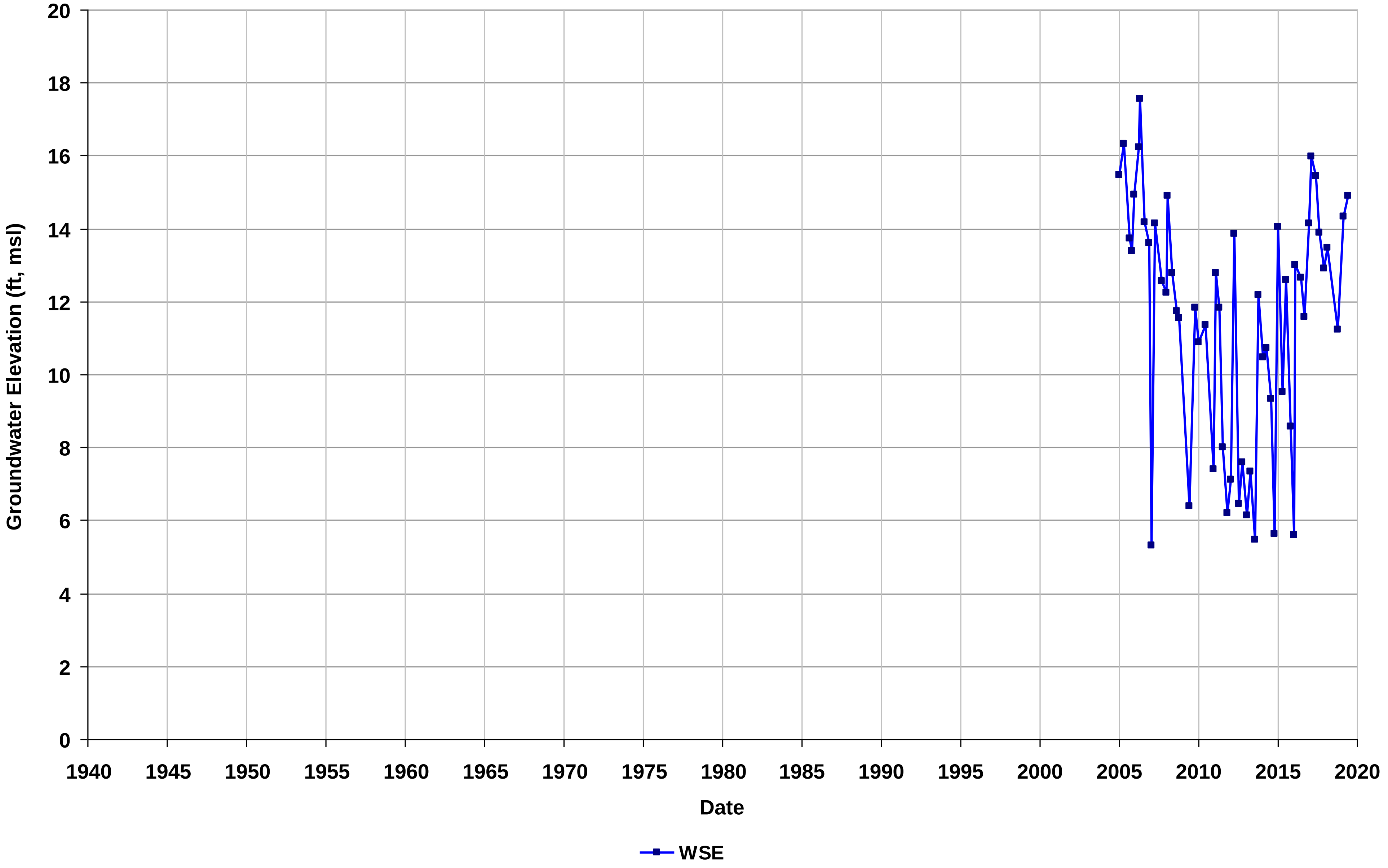
Well Name: SL20244862-AMW-5A
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/17
Well Use: Observation



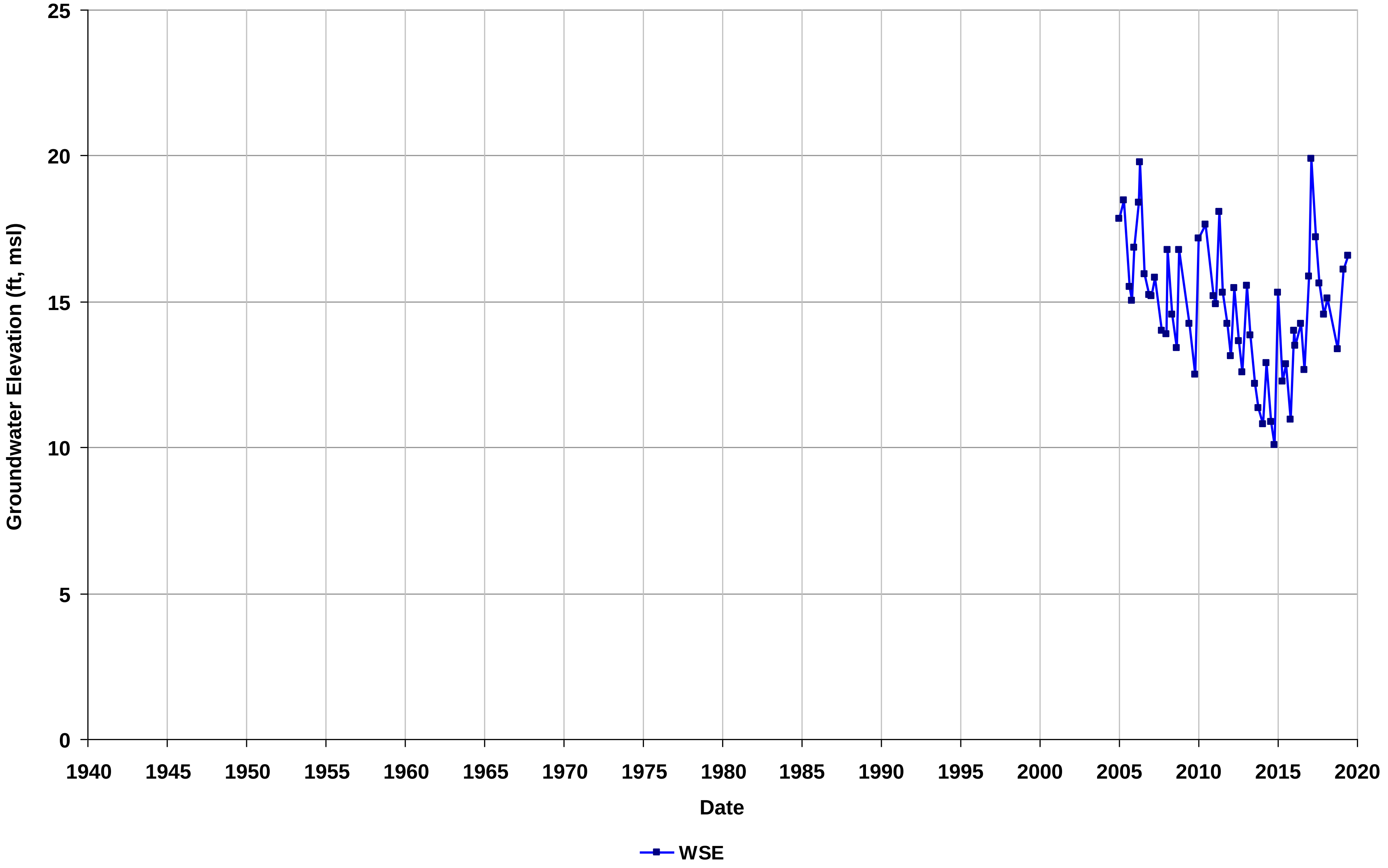
Well Name: SL20253871-MW-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/02
Well Use: Observation



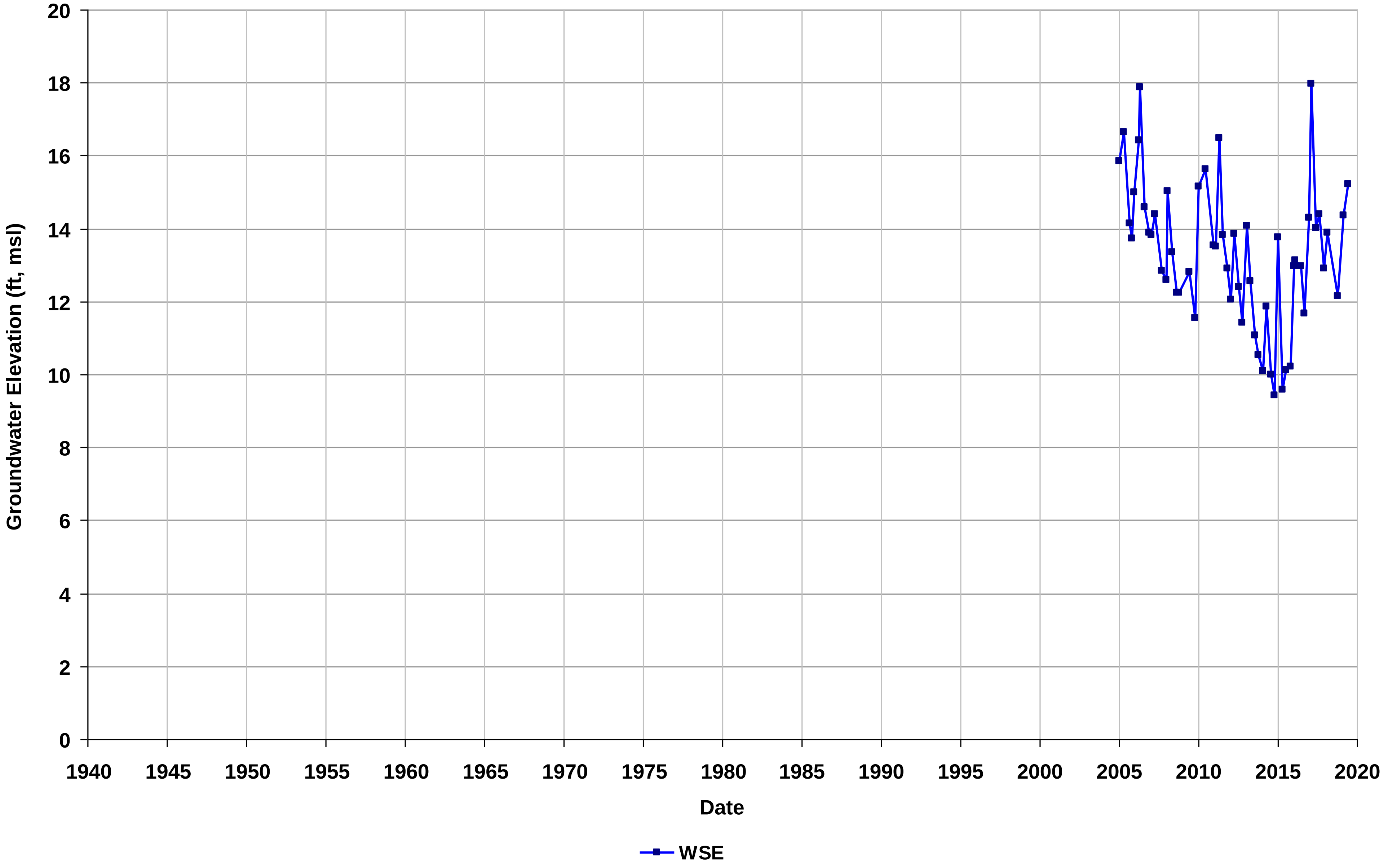
Well Name: SL20253871-MW-10
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/02
Well Use: Observation



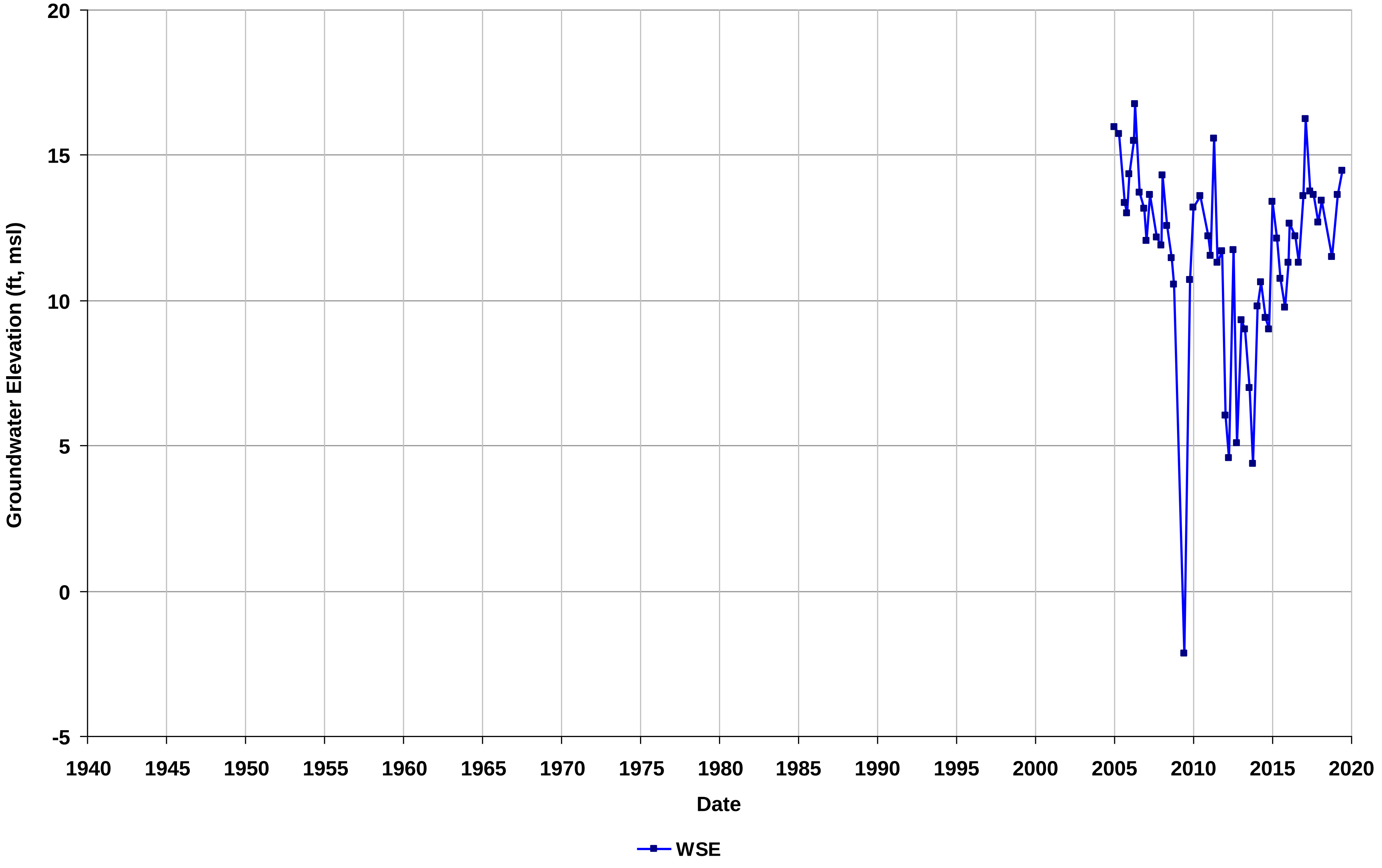
Well Name: SL20253871-MW-12
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/02
Well Use: Observation



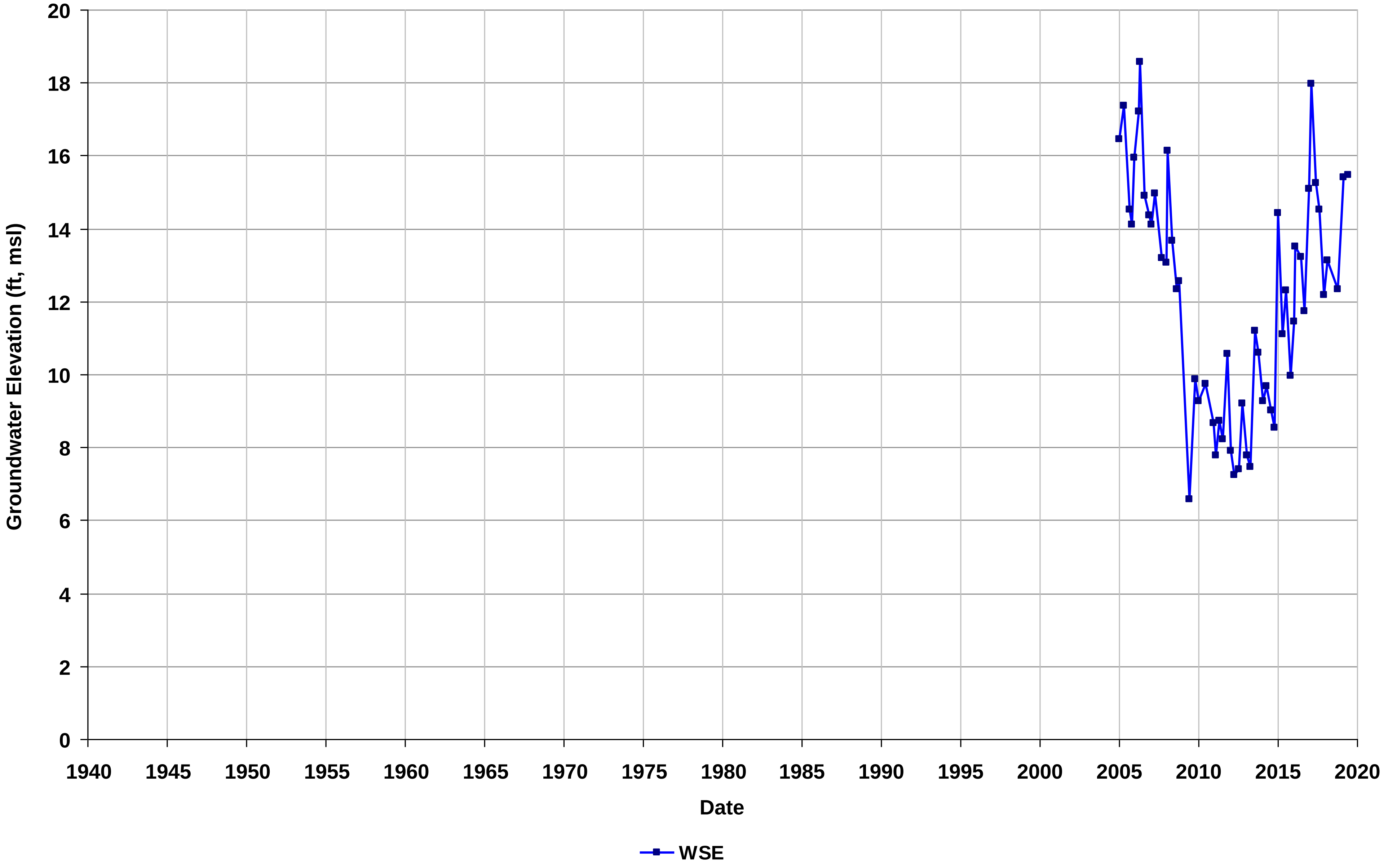
Well Name: SL20253871-MW-13
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/02
Well Use: Observation



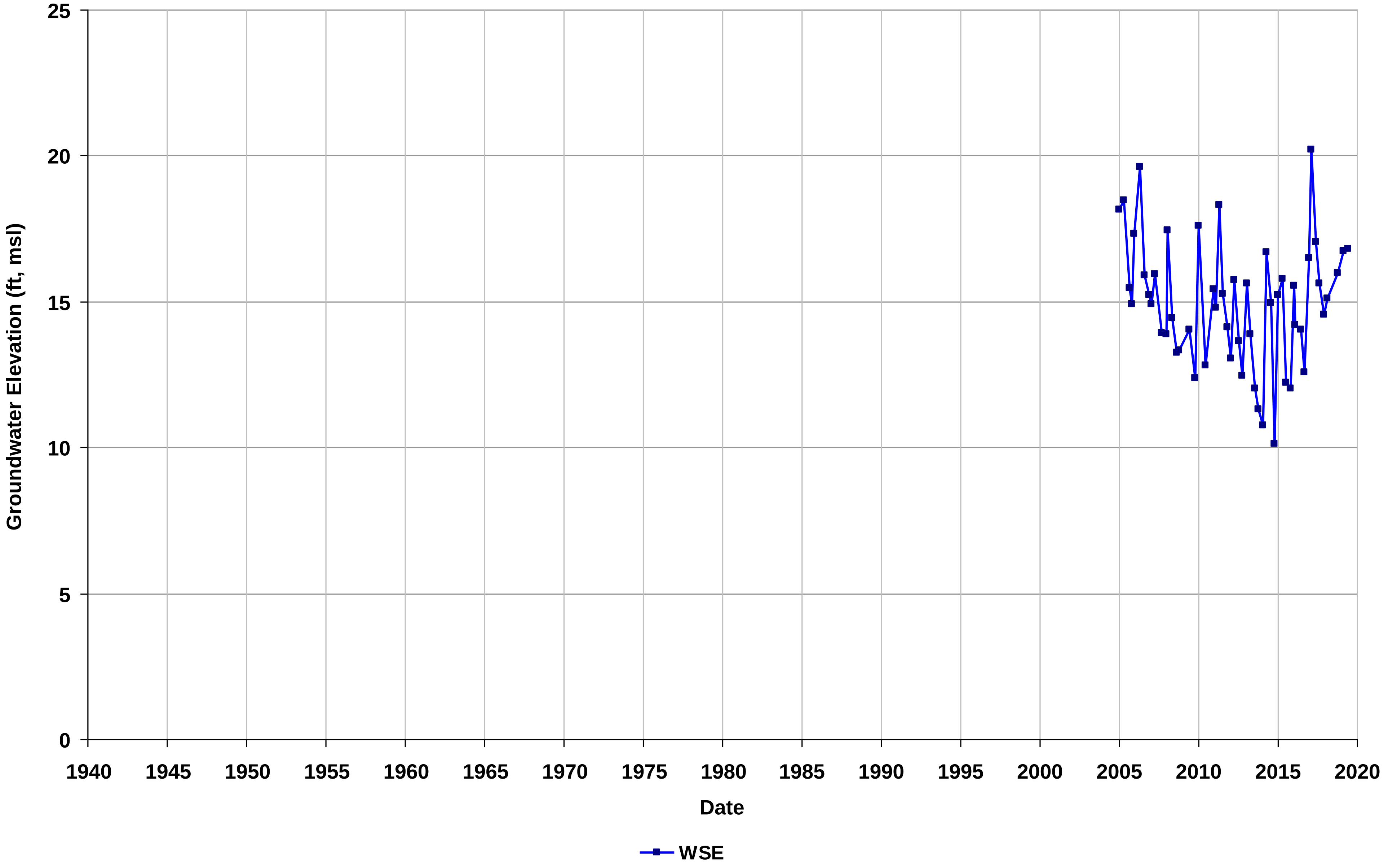
Well Name: SL20253871-MW-14
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/02
Well Use: Observation



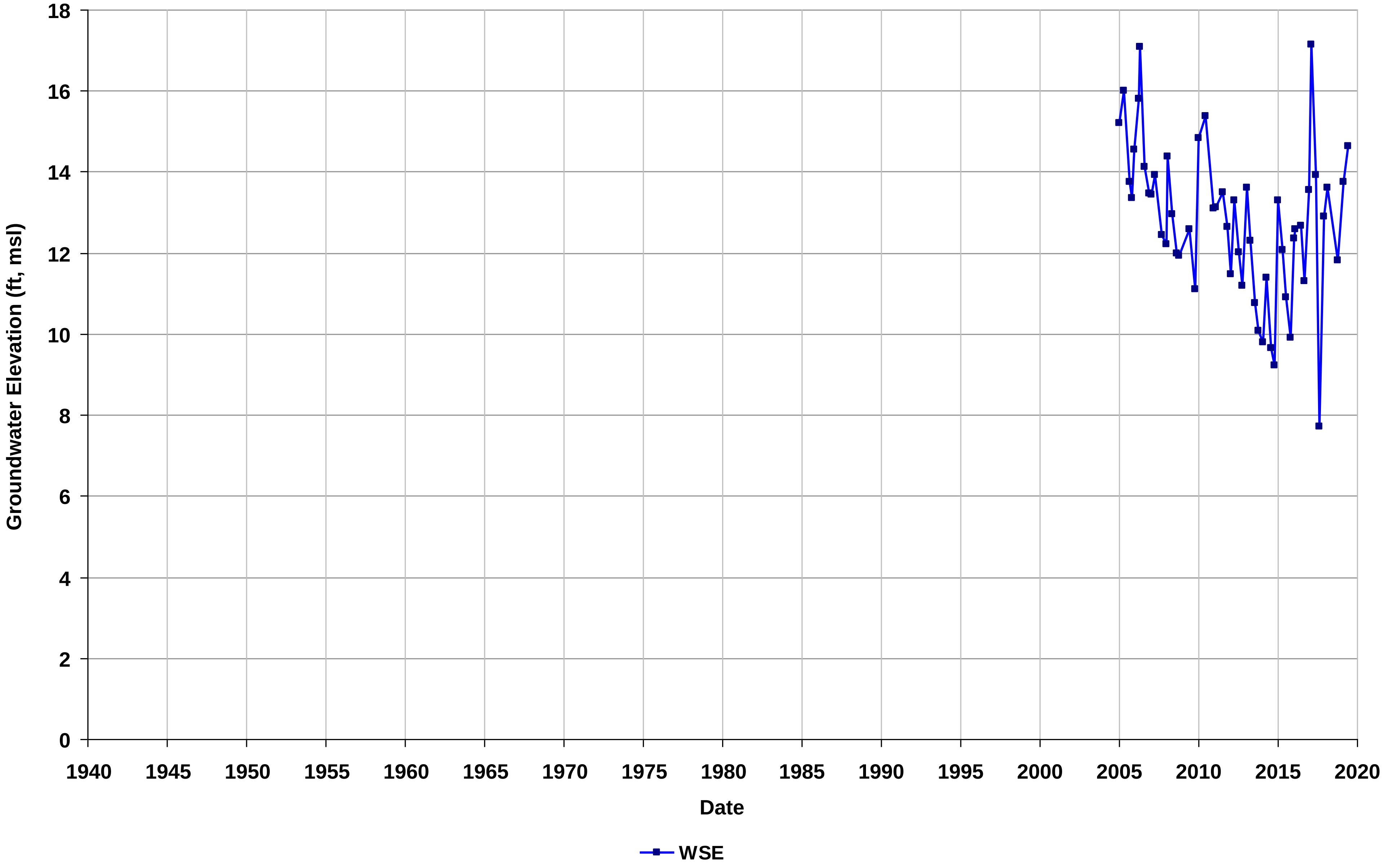
Well Name: SL20253871-MW-15
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/02
Well Use: Observation



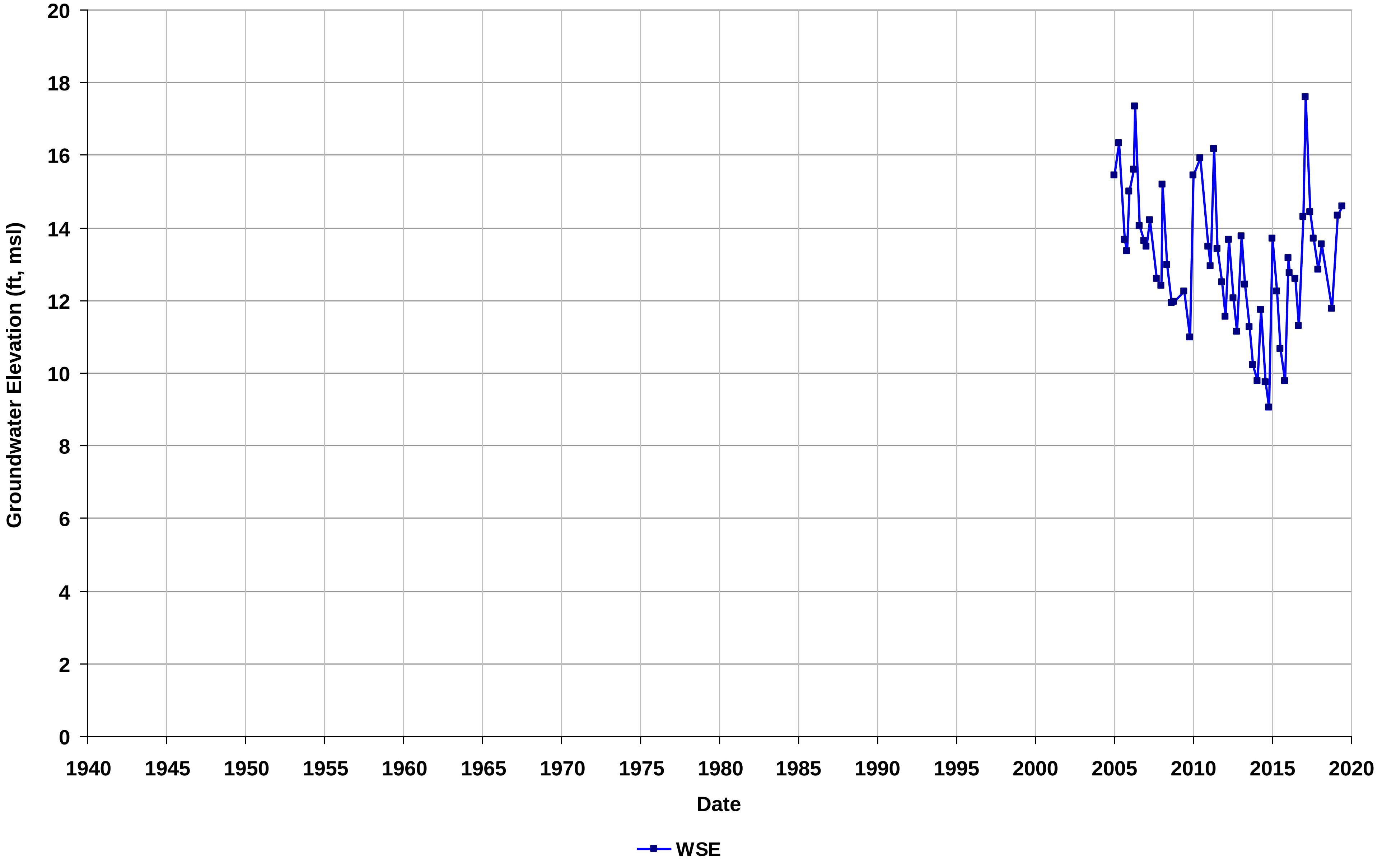
Well Name: SL20253871-MW-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/02
Well Use: Observation



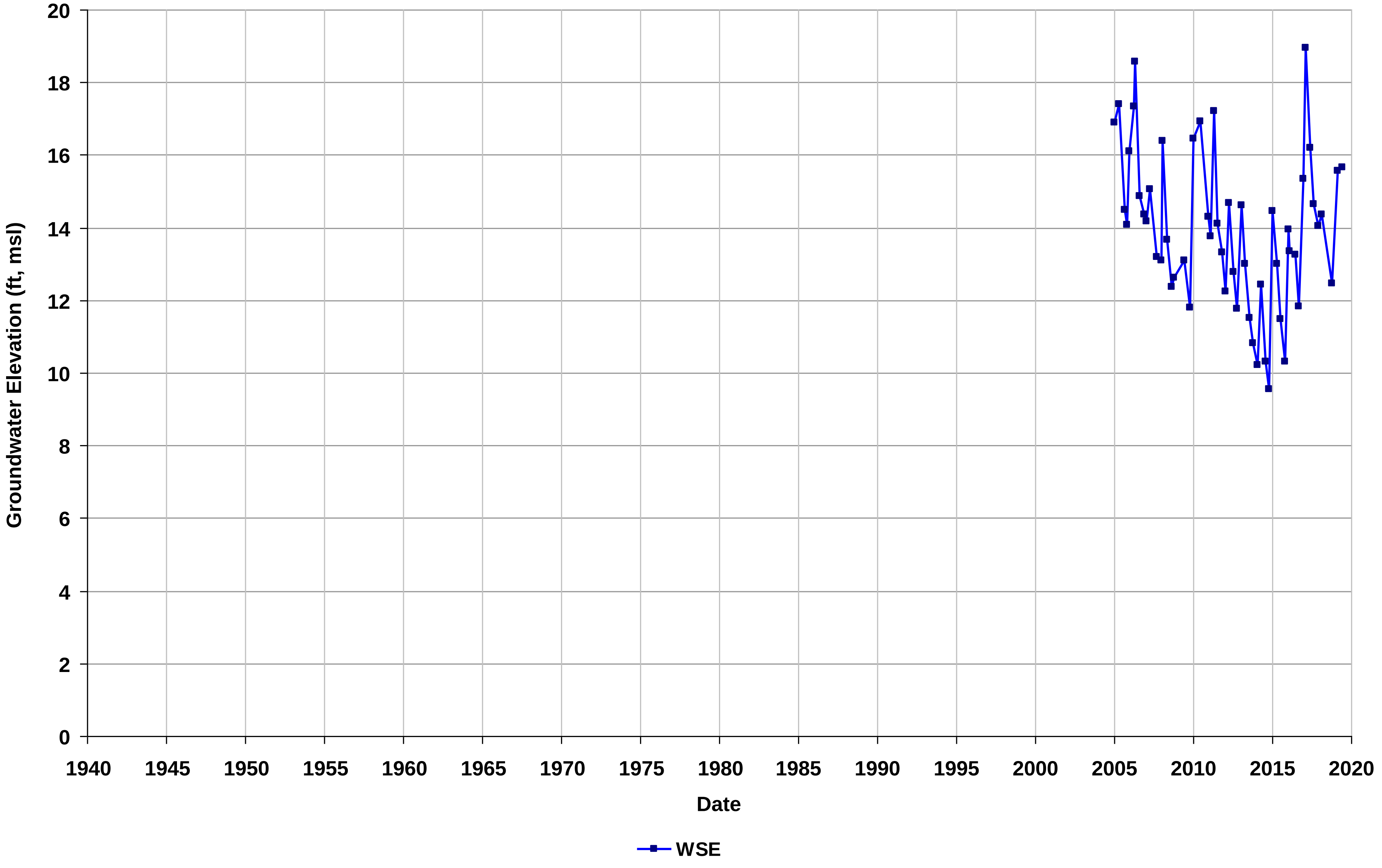
Well Name: SL20253871-MW-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/02
Well Use: Observation



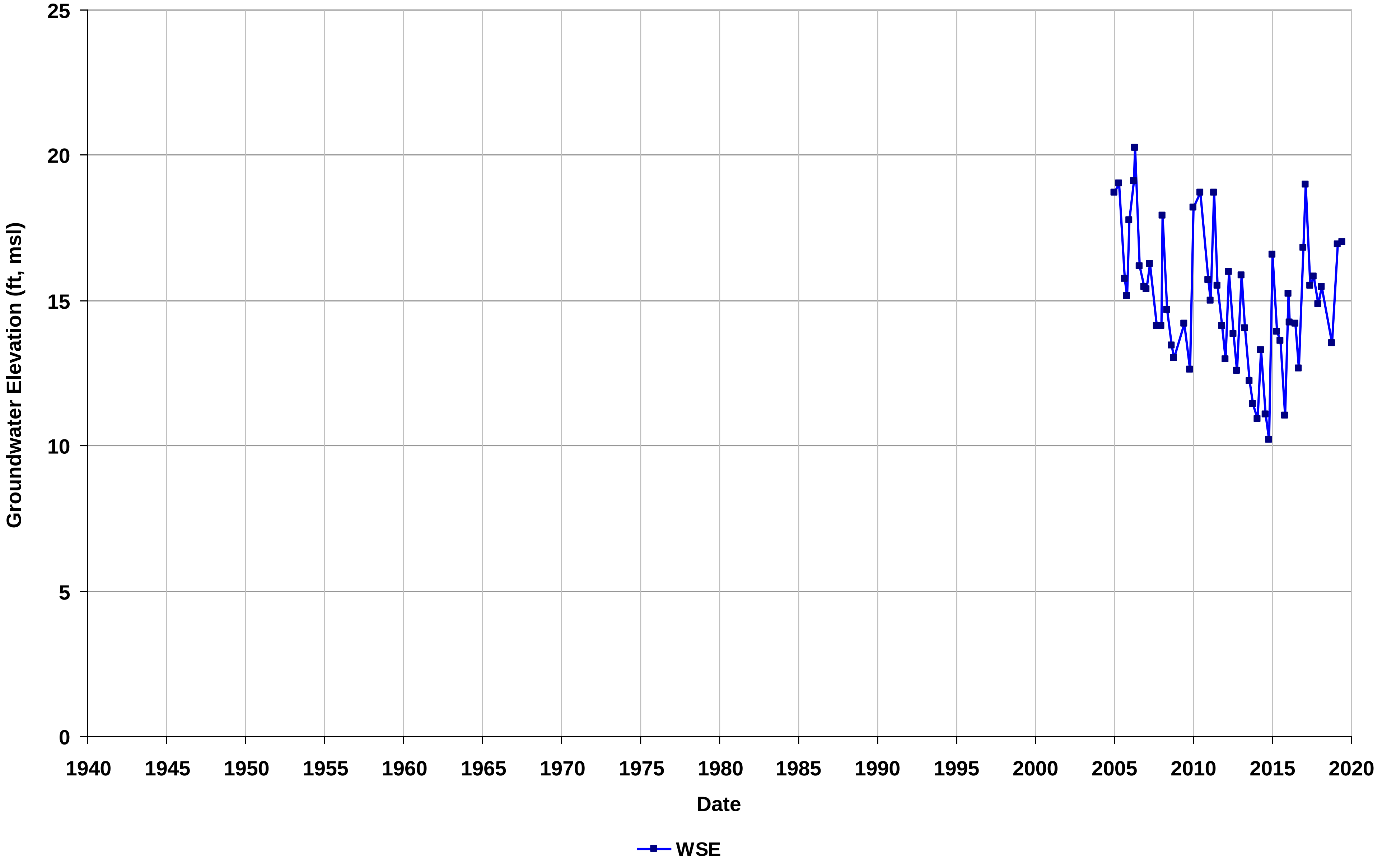
Well Name: SL20253871-MW-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/02
Well Use: Observation



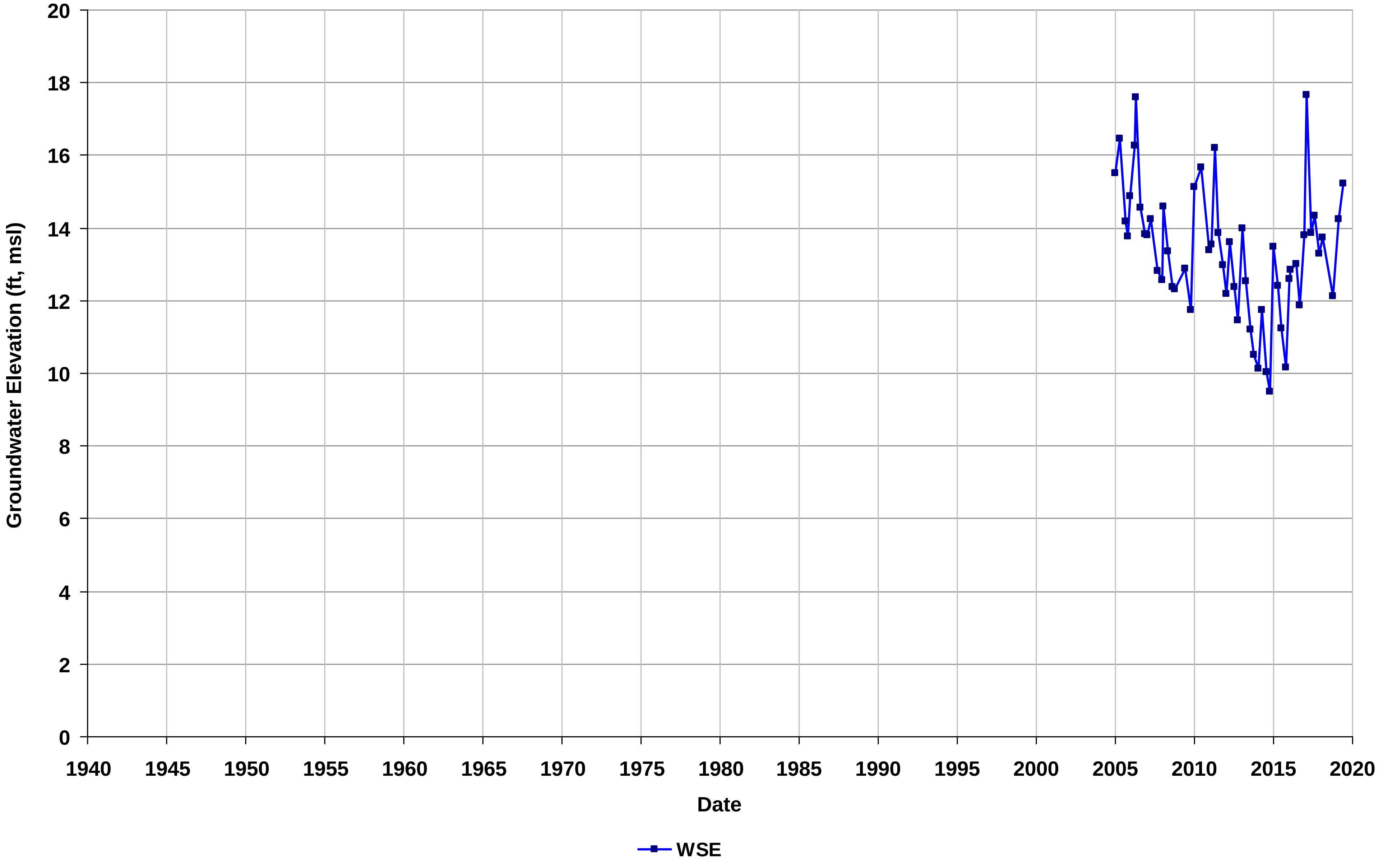
Well Name: SL20253871-MW-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/02
Well Use: Observation



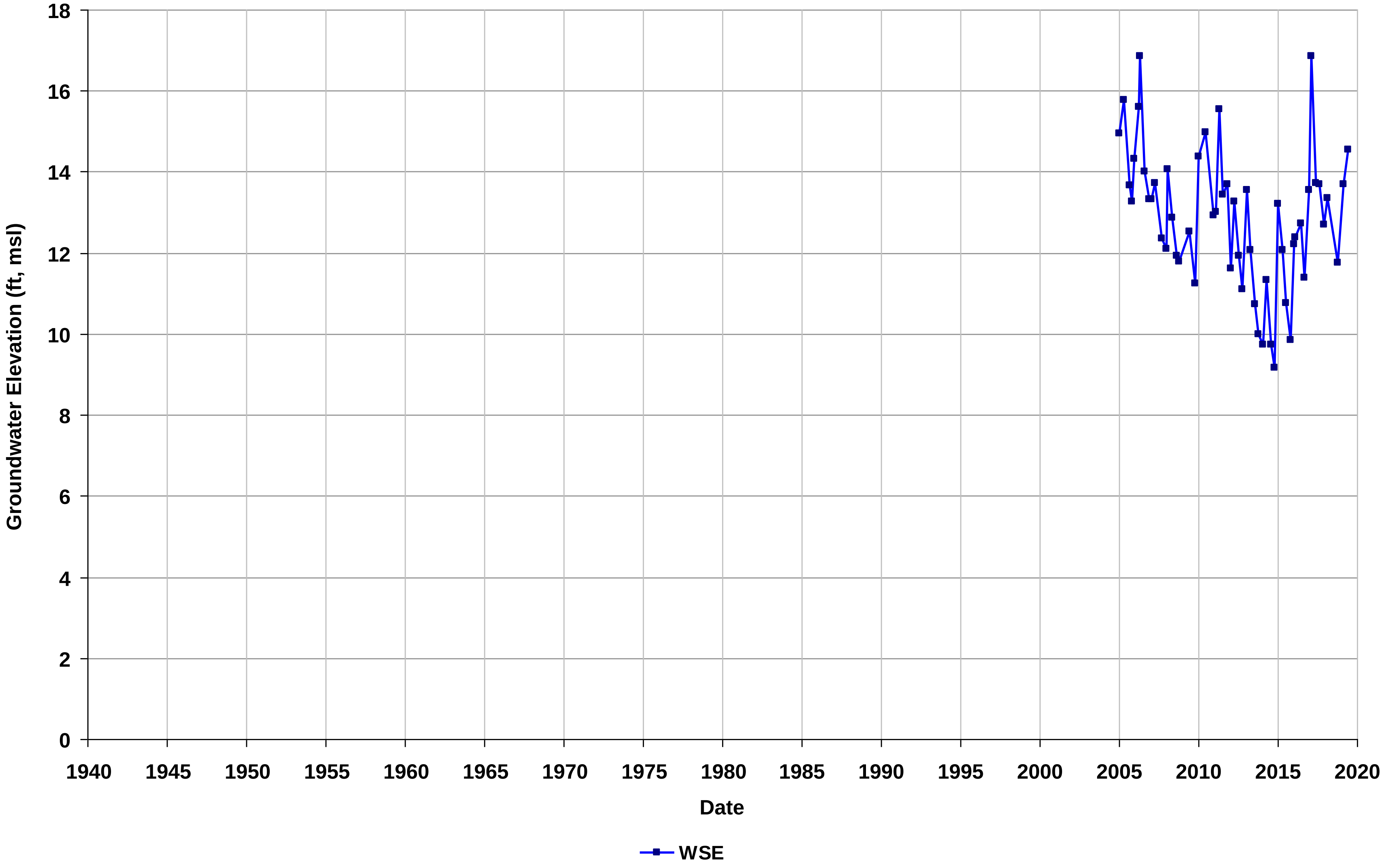
Well Name: SL20253871-MW-8
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/02
Well Use: Observation



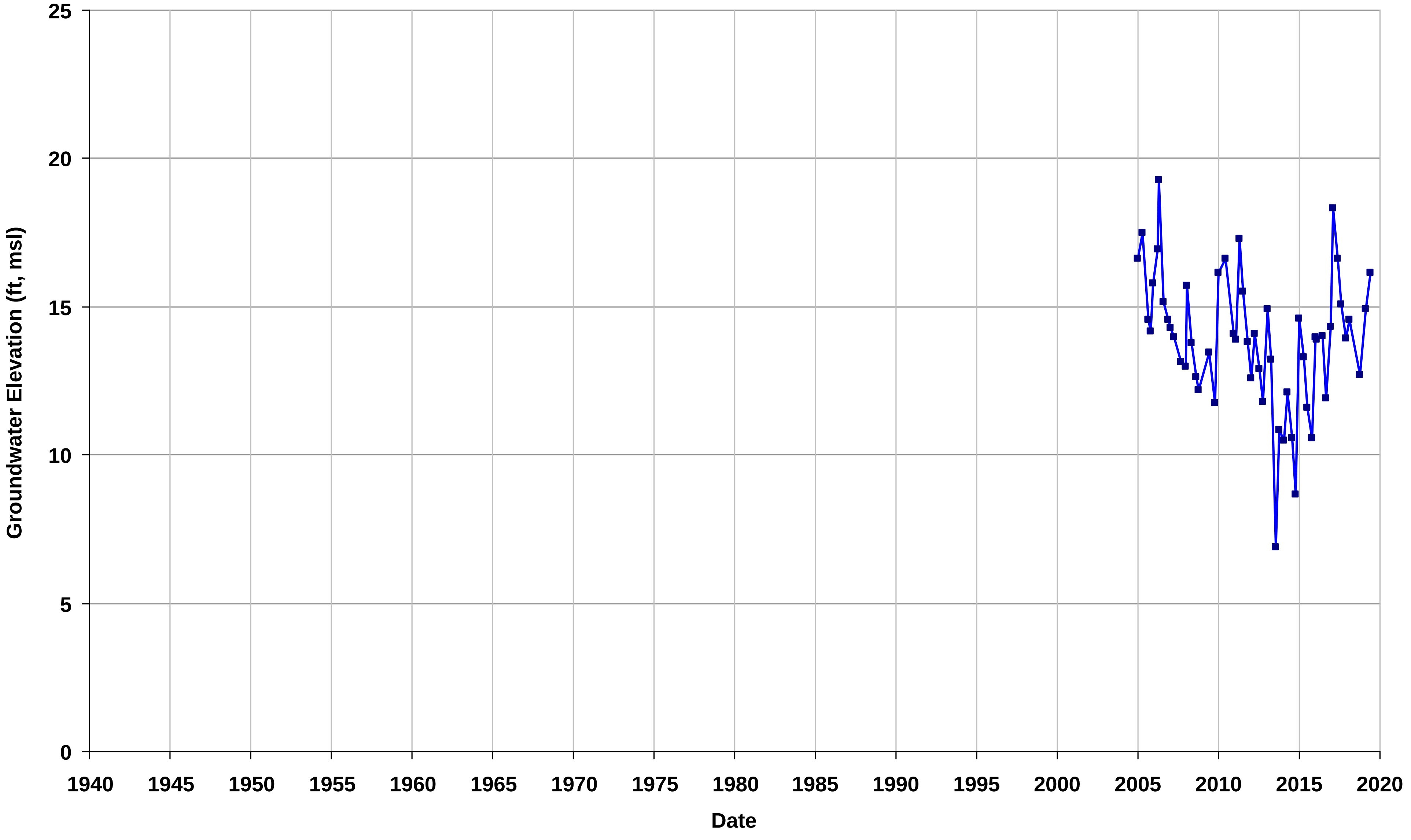
Well Name: SL20253871-MW-9
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/02
Well Use: Observation



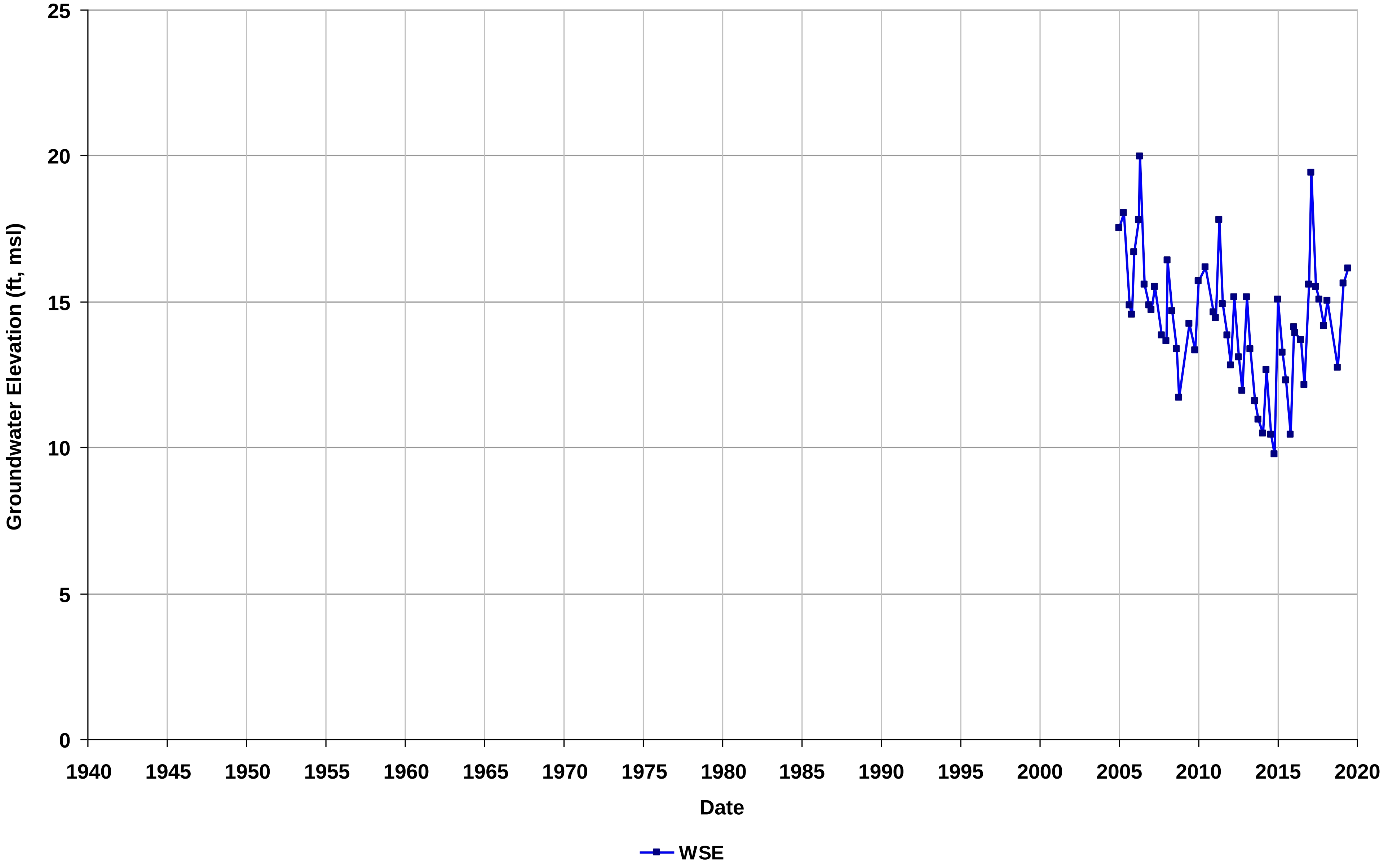
Well Name: SL20253871-NK-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/02
Well Use: Observation



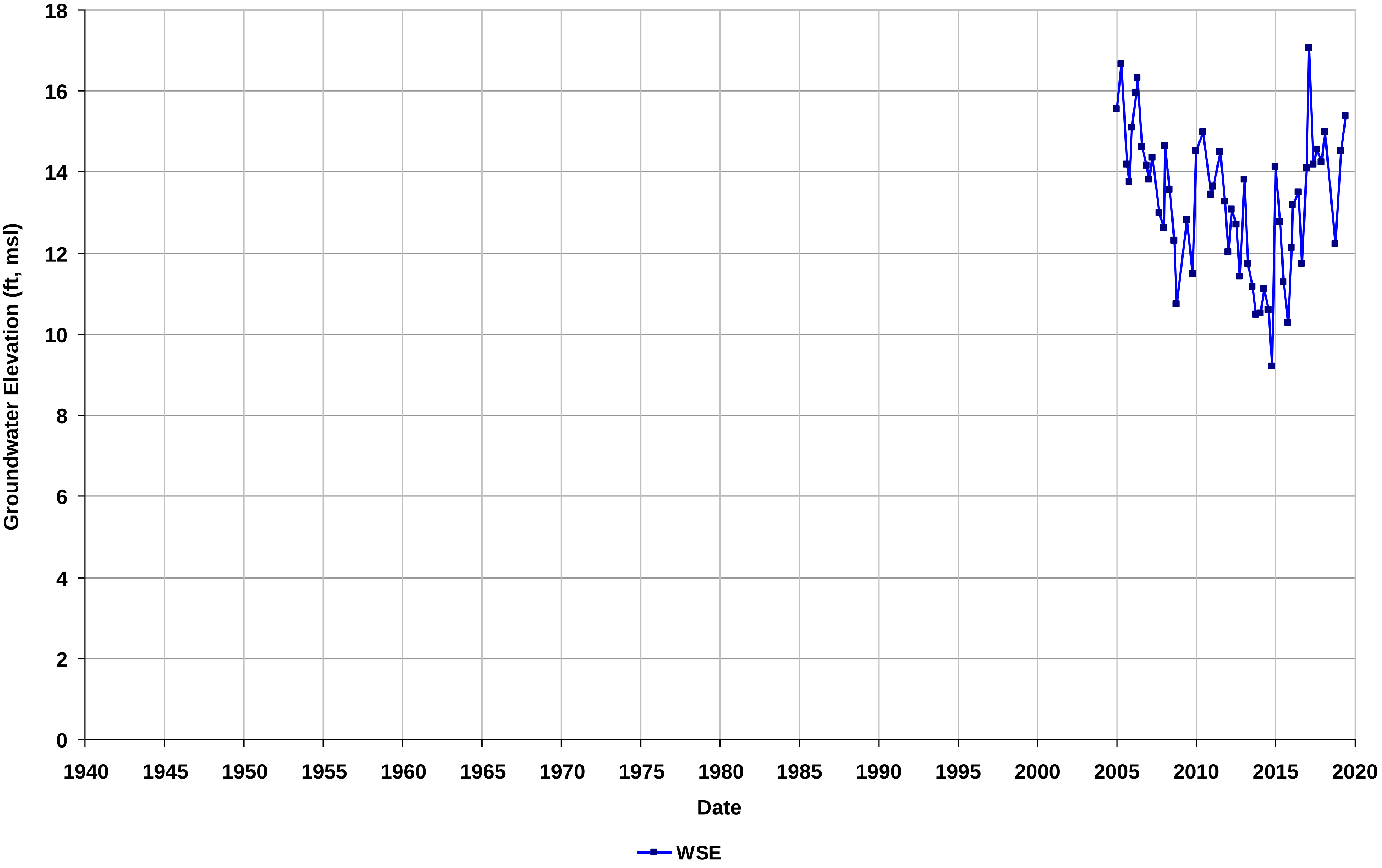
Well Name: SL20253871-NK-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/02
Well Use: Observation



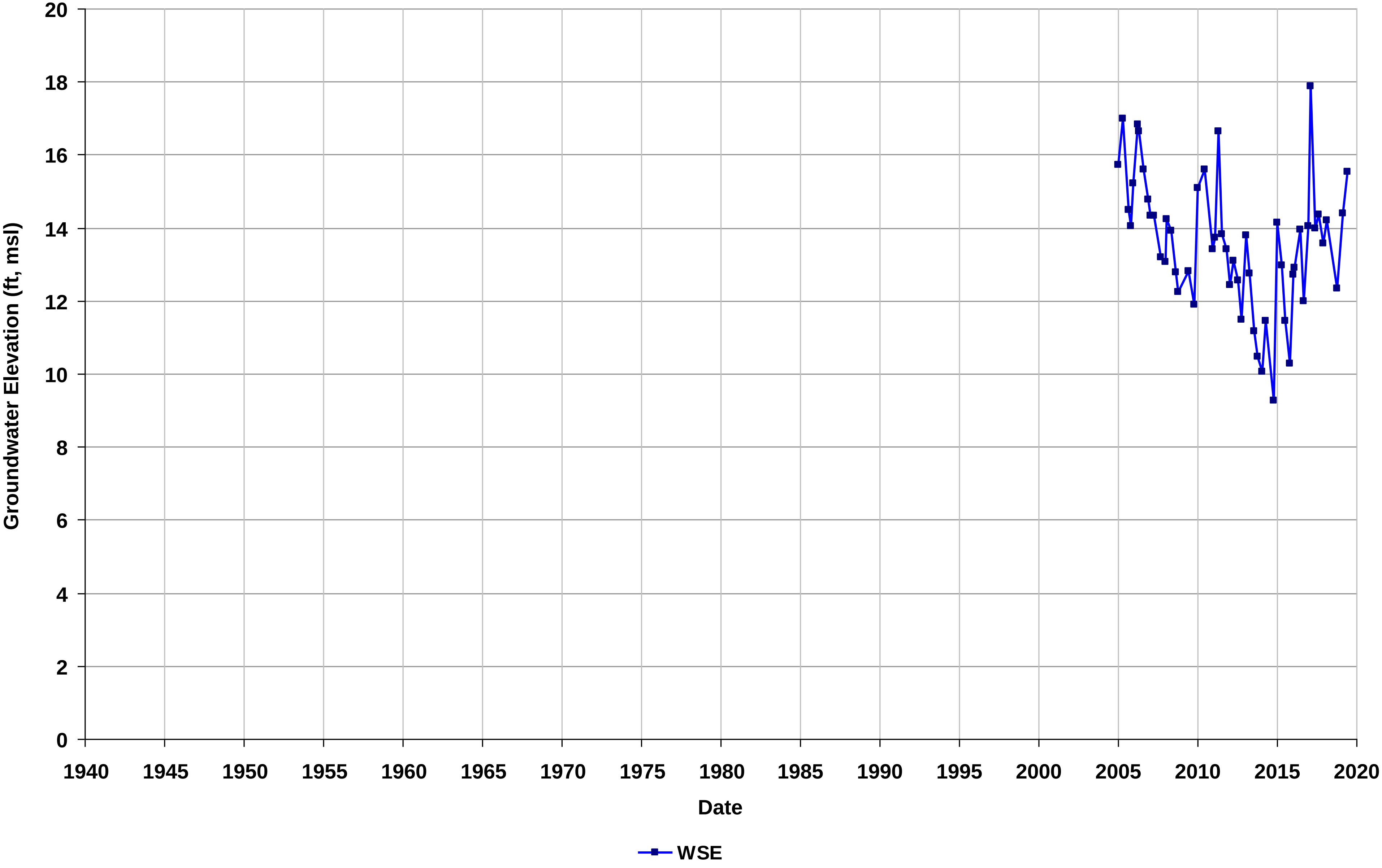
Well Name: SL20253871-NK-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/02
Well Use: Observation



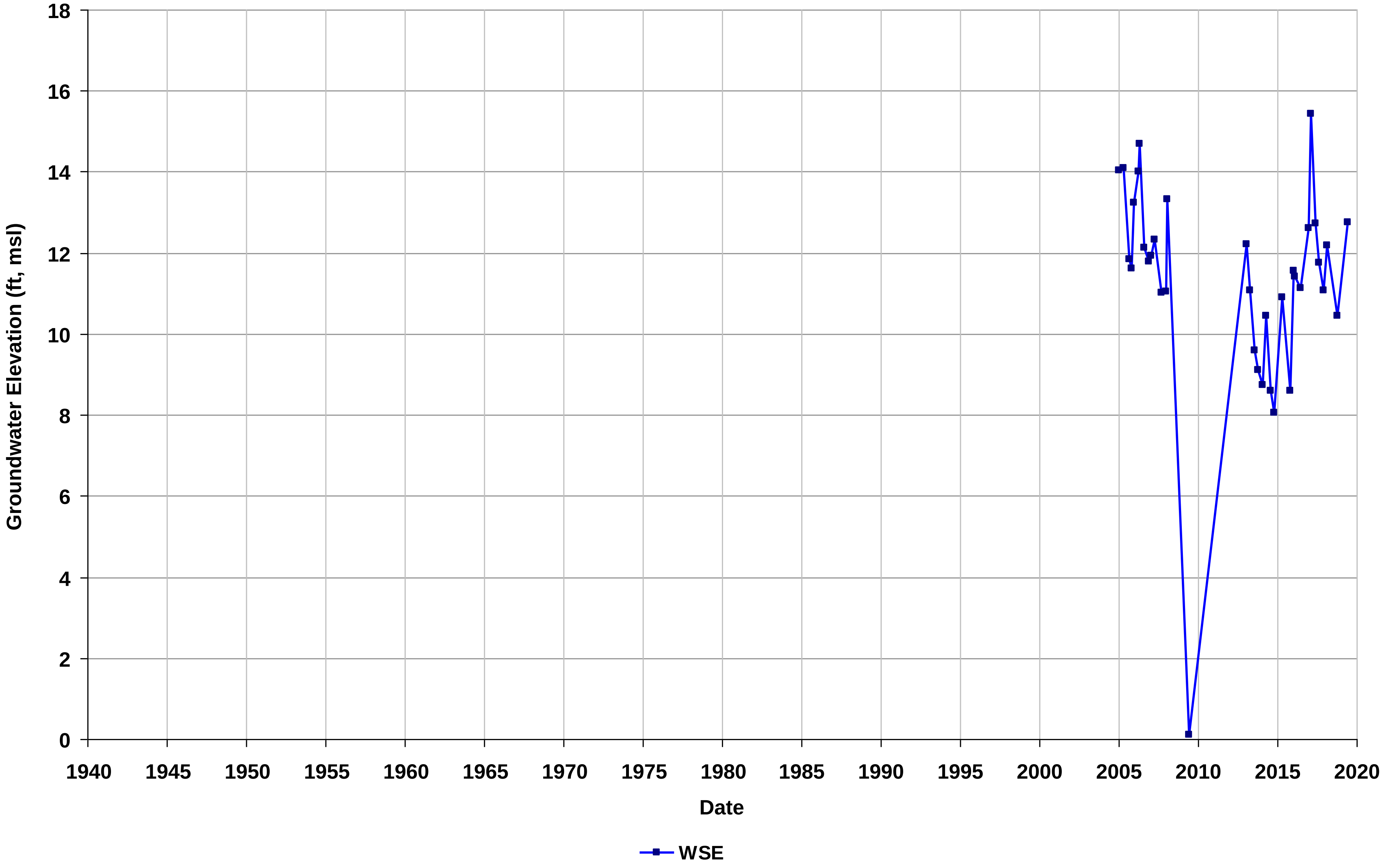
Well Name: SL20253871-NK-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/02
Well Use: Observation



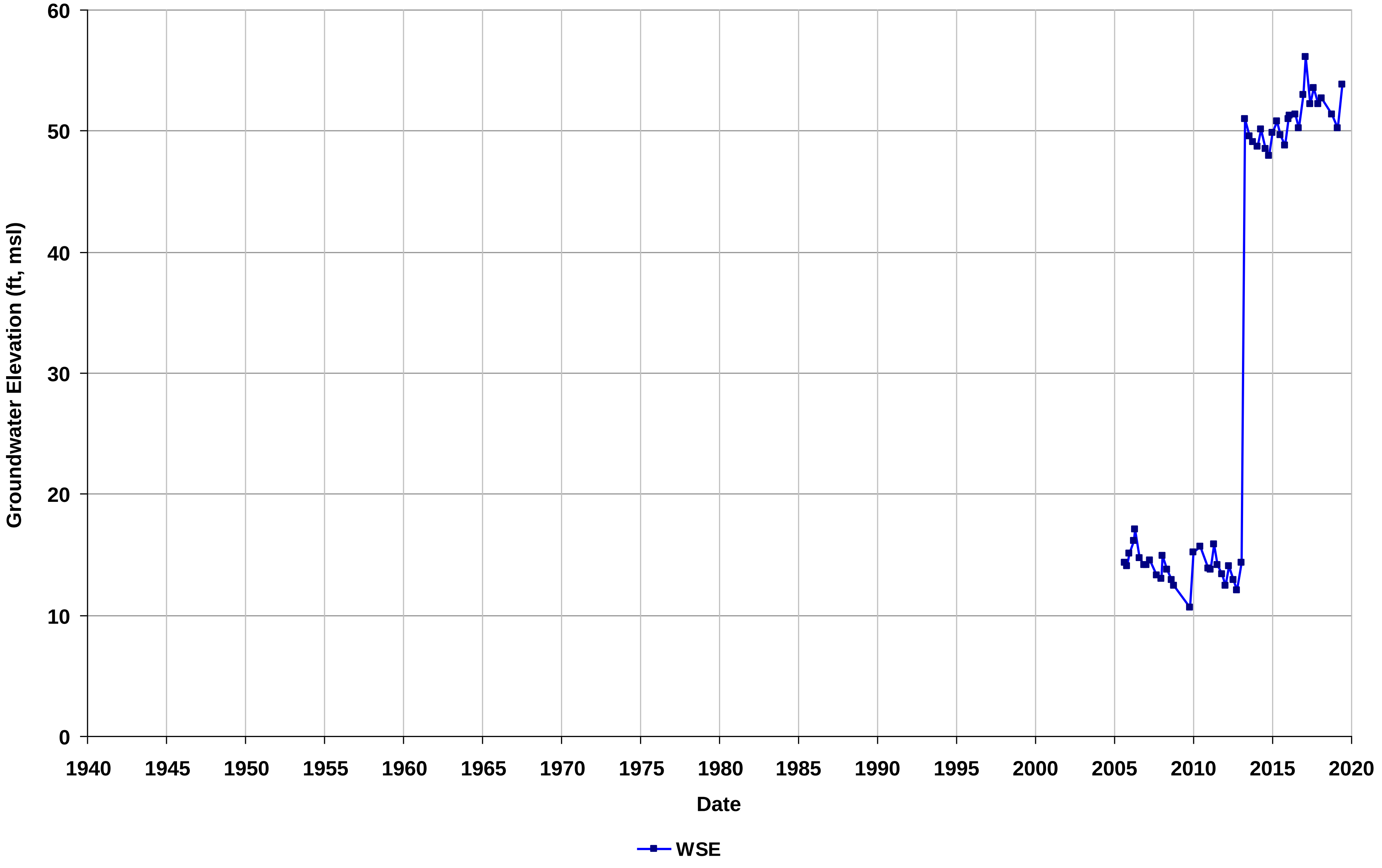
Well Name: SL20253871-OP-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/02
Well Use: Observation



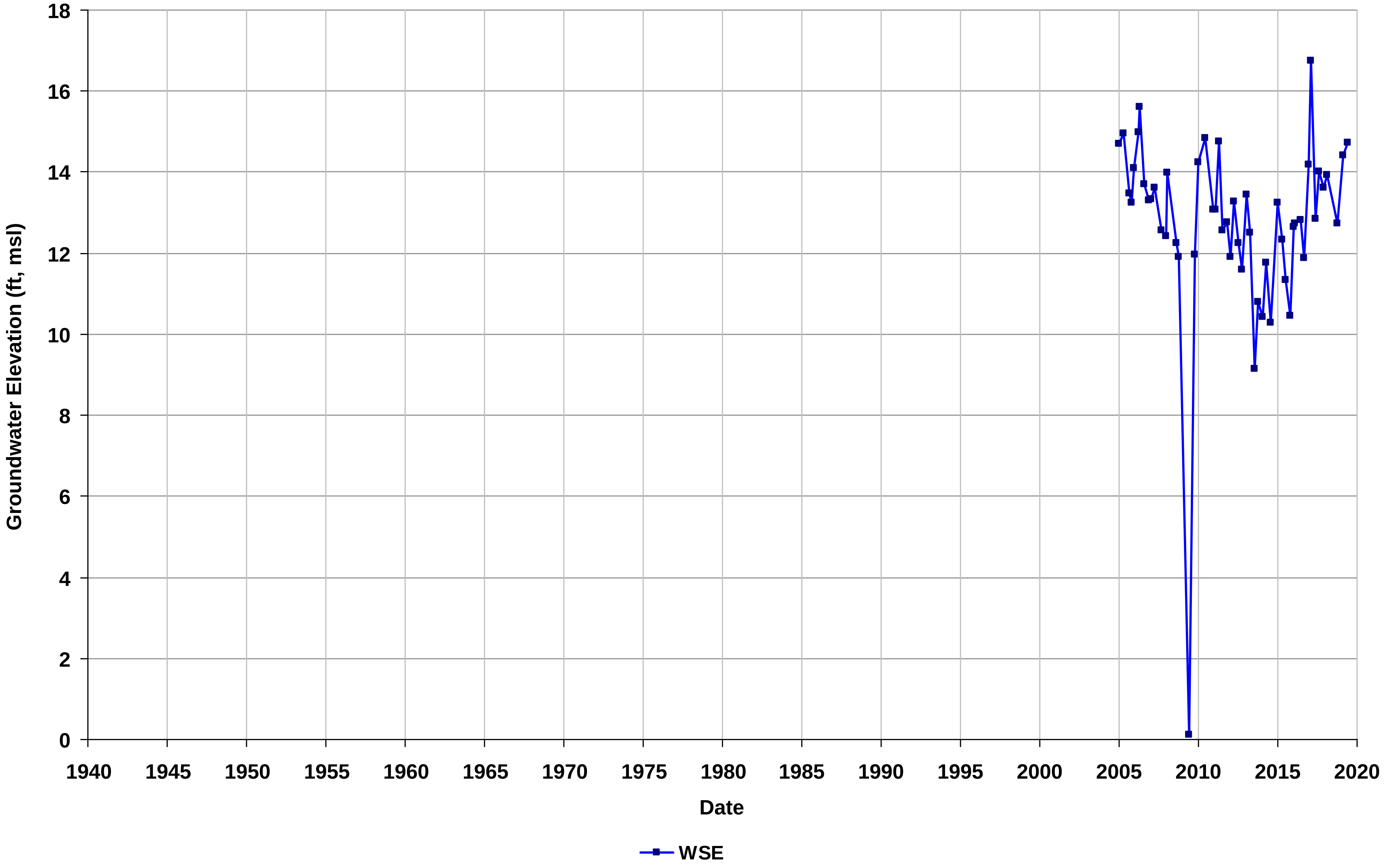
Well Name: SL20253871-OP-10
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/02
Well Use: Observation



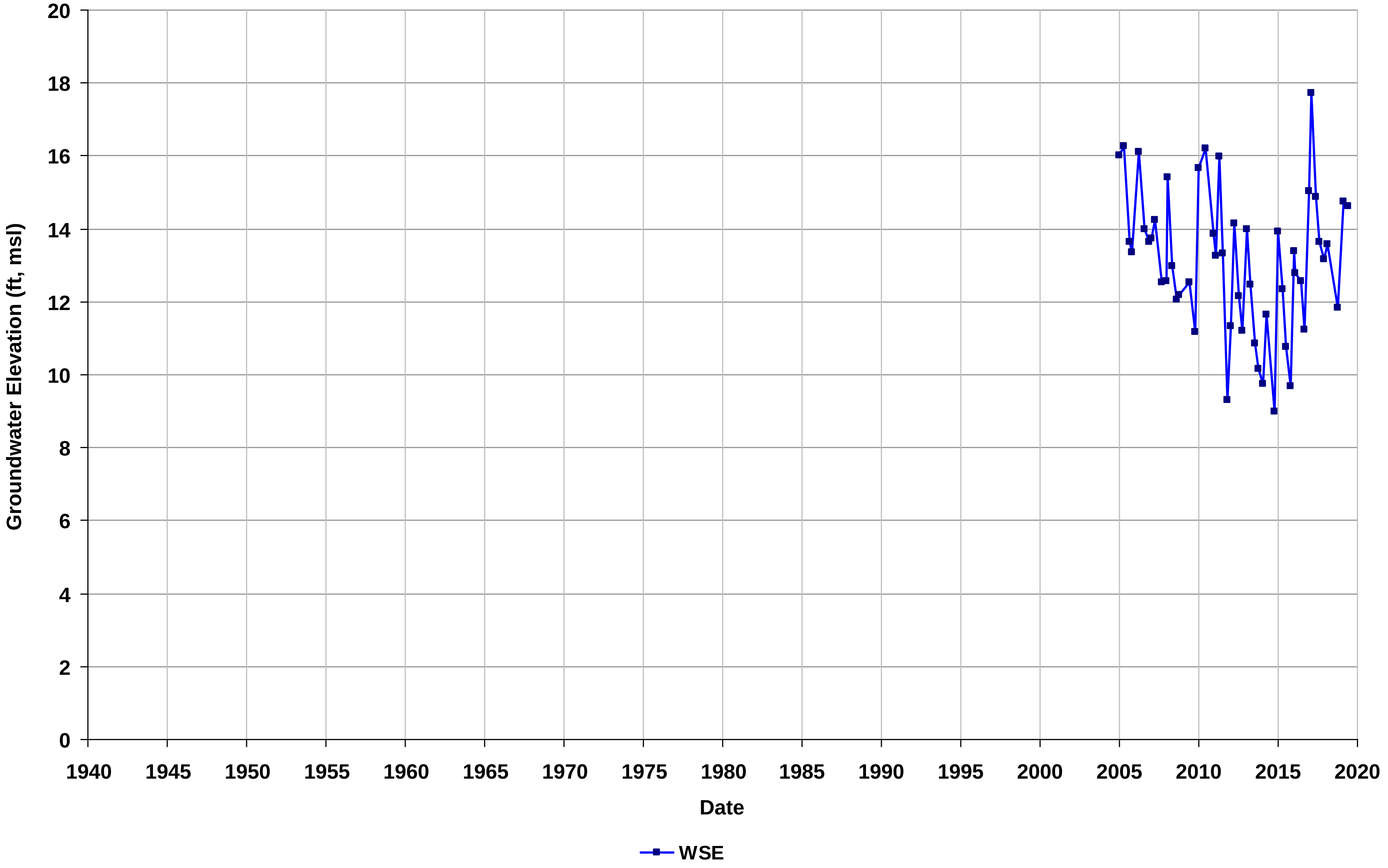
Well Name: SL20253871-OP-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/02
Well Use: Observation



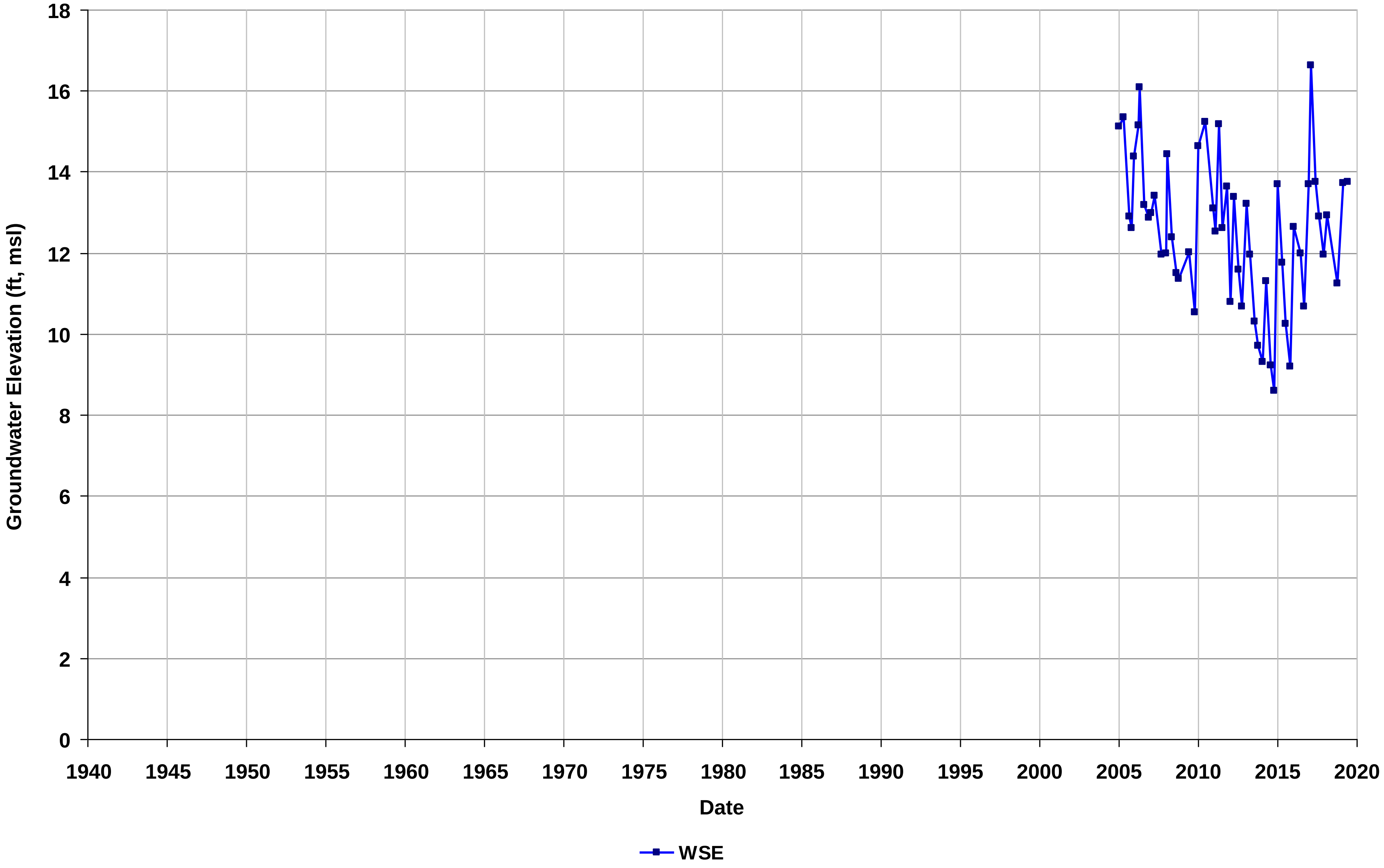
Well Name: SL20253871-OP-7
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/02
Well Use: Observation



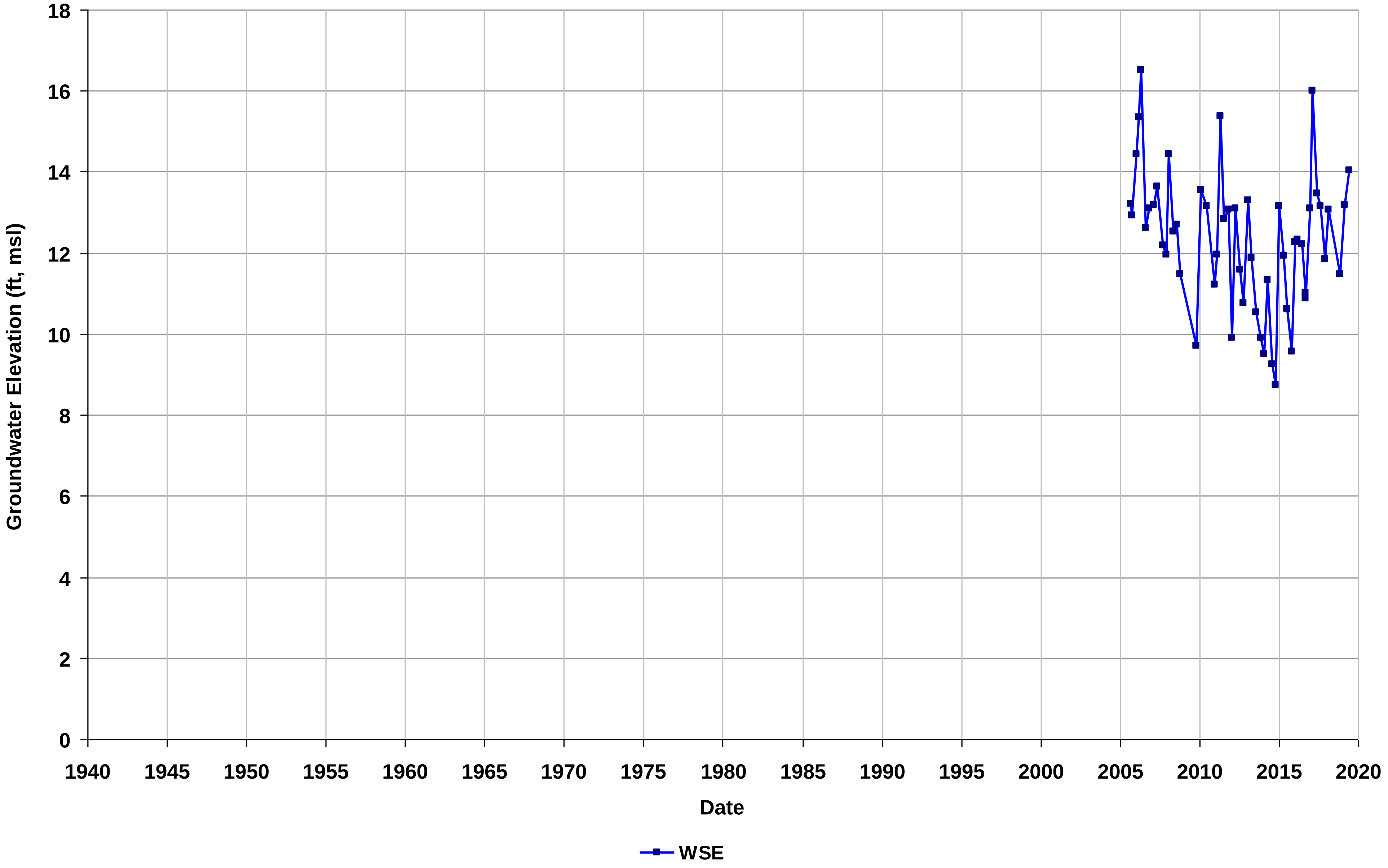
Well Name: SL20253871-OP-8
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/02
Well Use: Observation



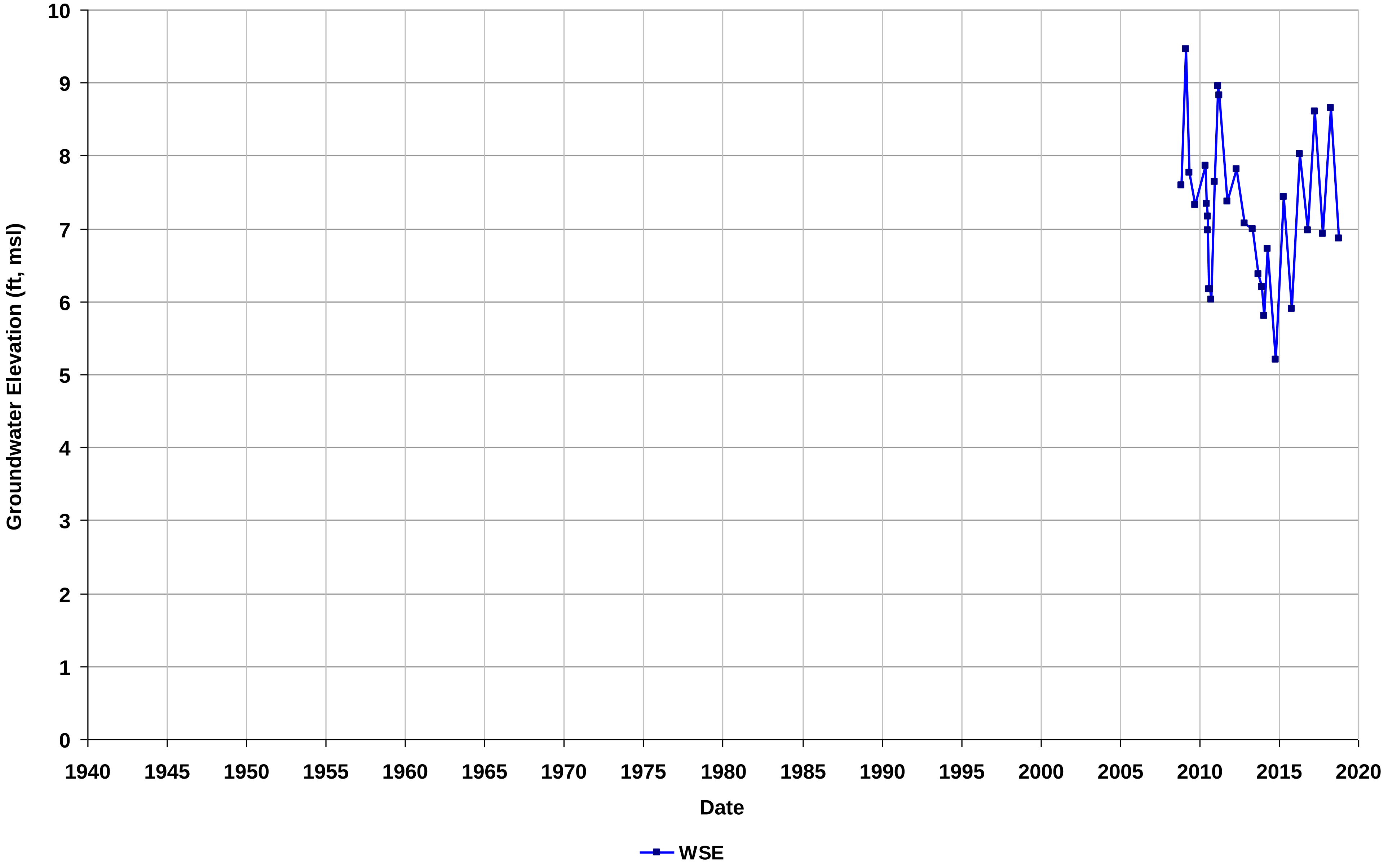
Well Name: SL20253871-OP-9
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/02
Well Use: Observation



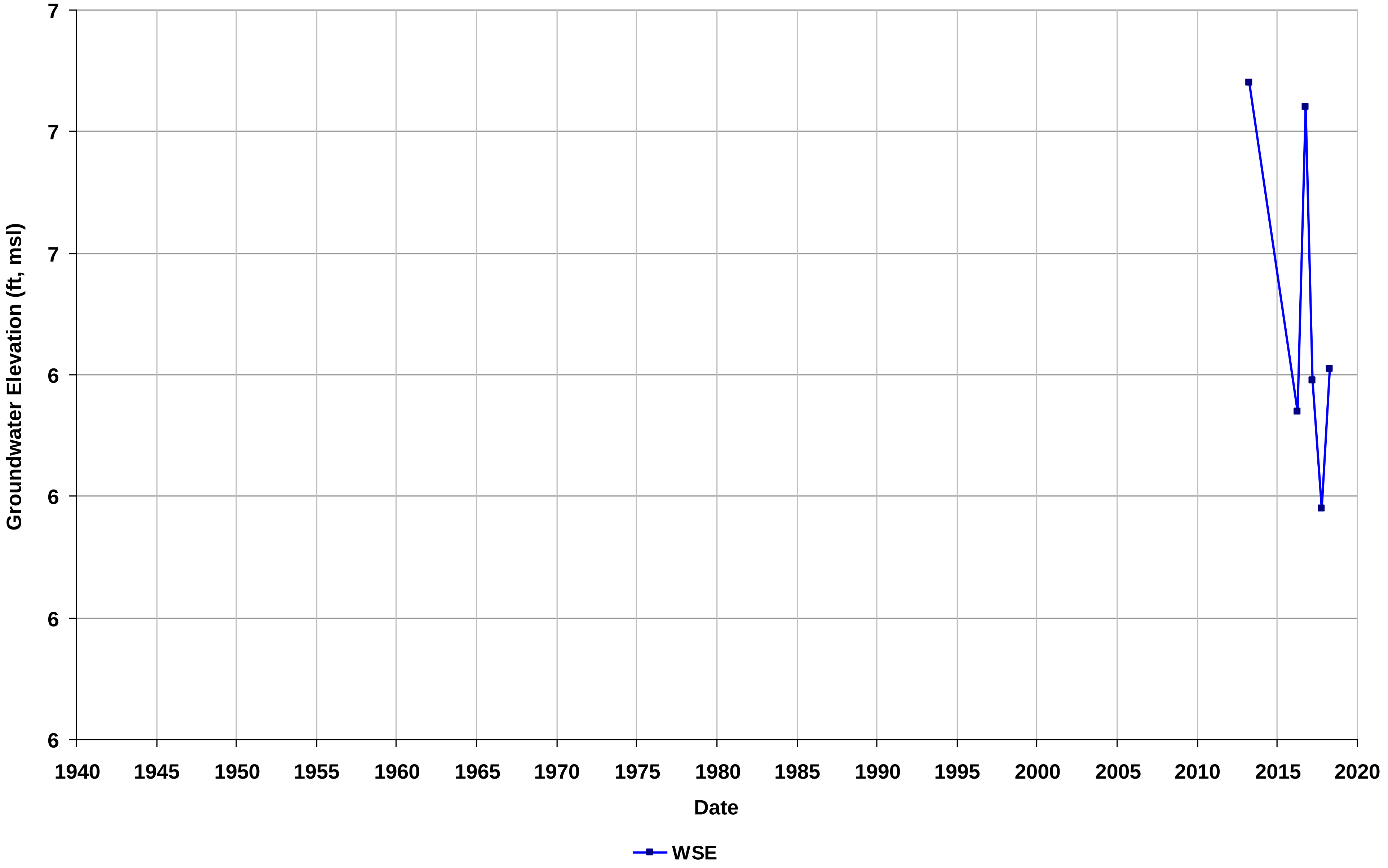
Well Name: SL20268886-MWOS-22
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



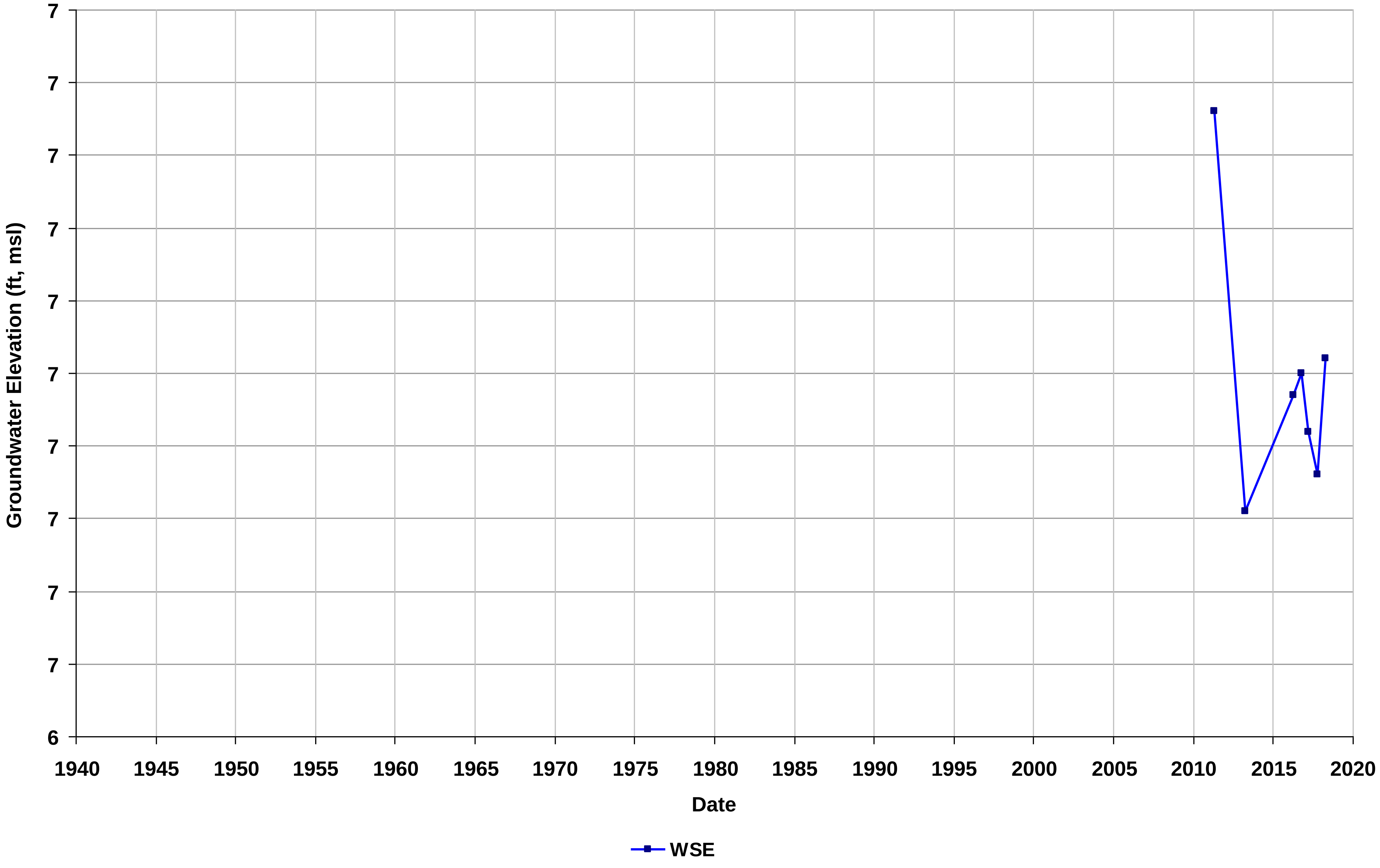
Well Name: SL20268886-SW-E
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



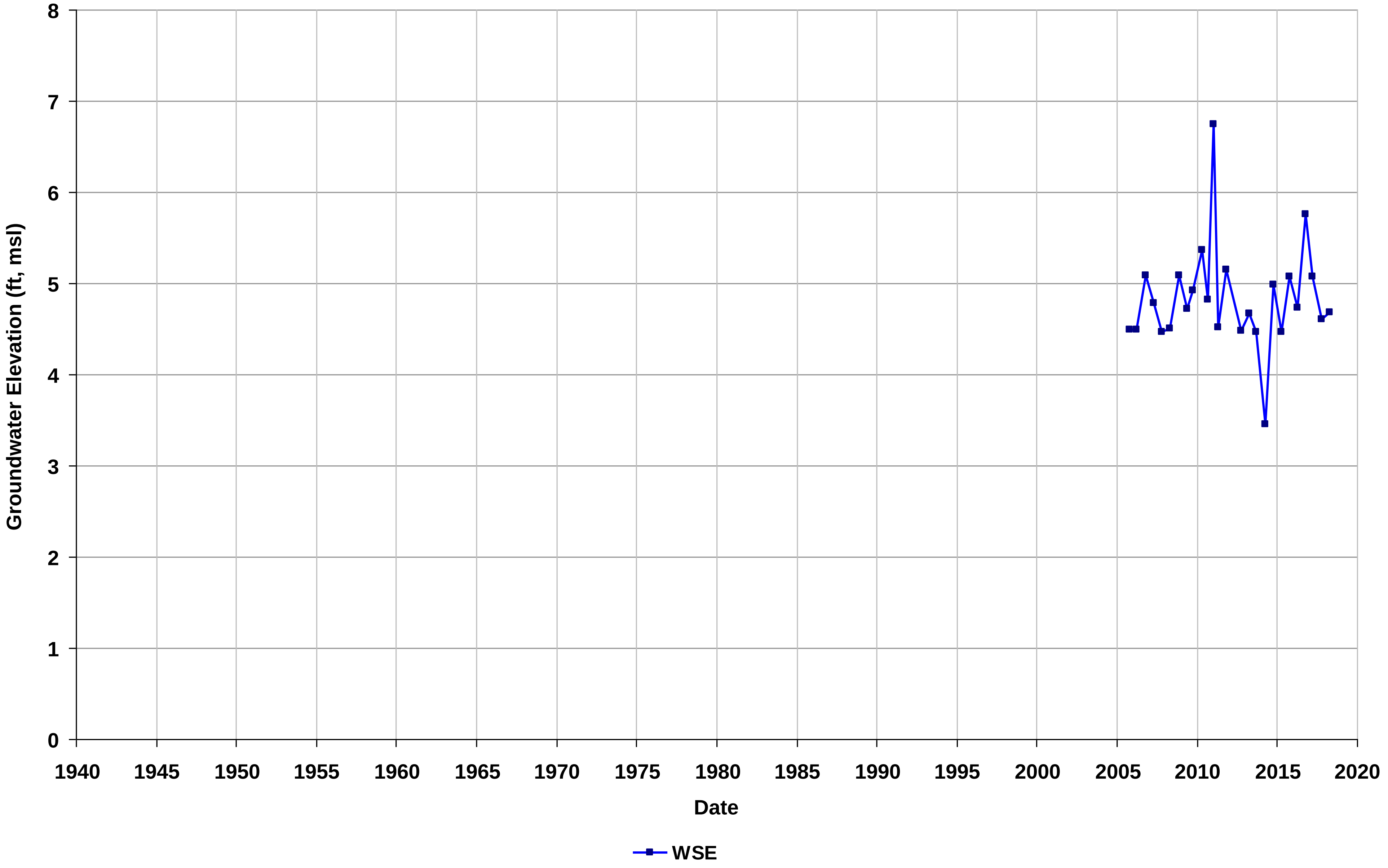
Well Name: SL20268886-SW-M
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



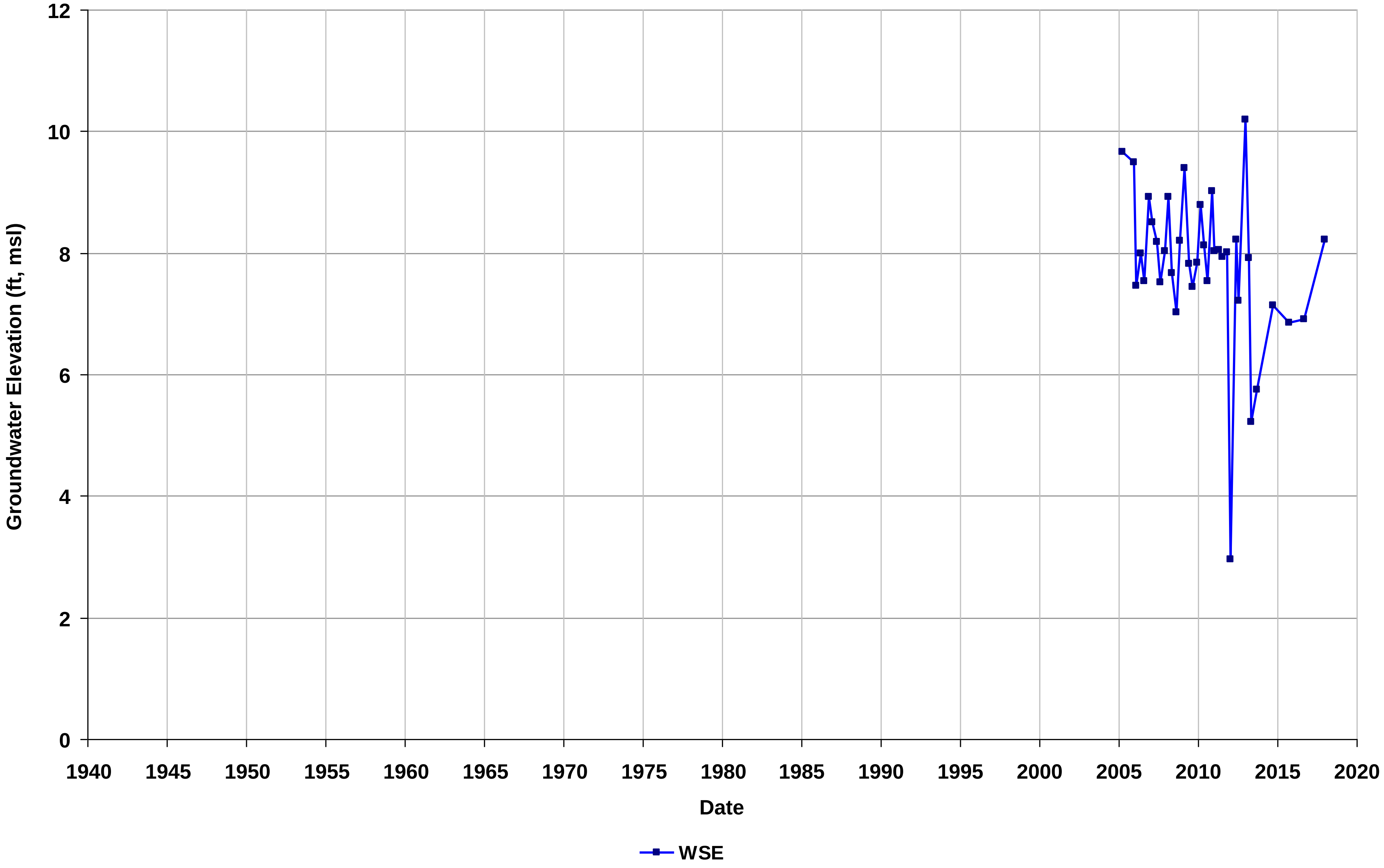
Well Name: SL20268886-SW-W
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



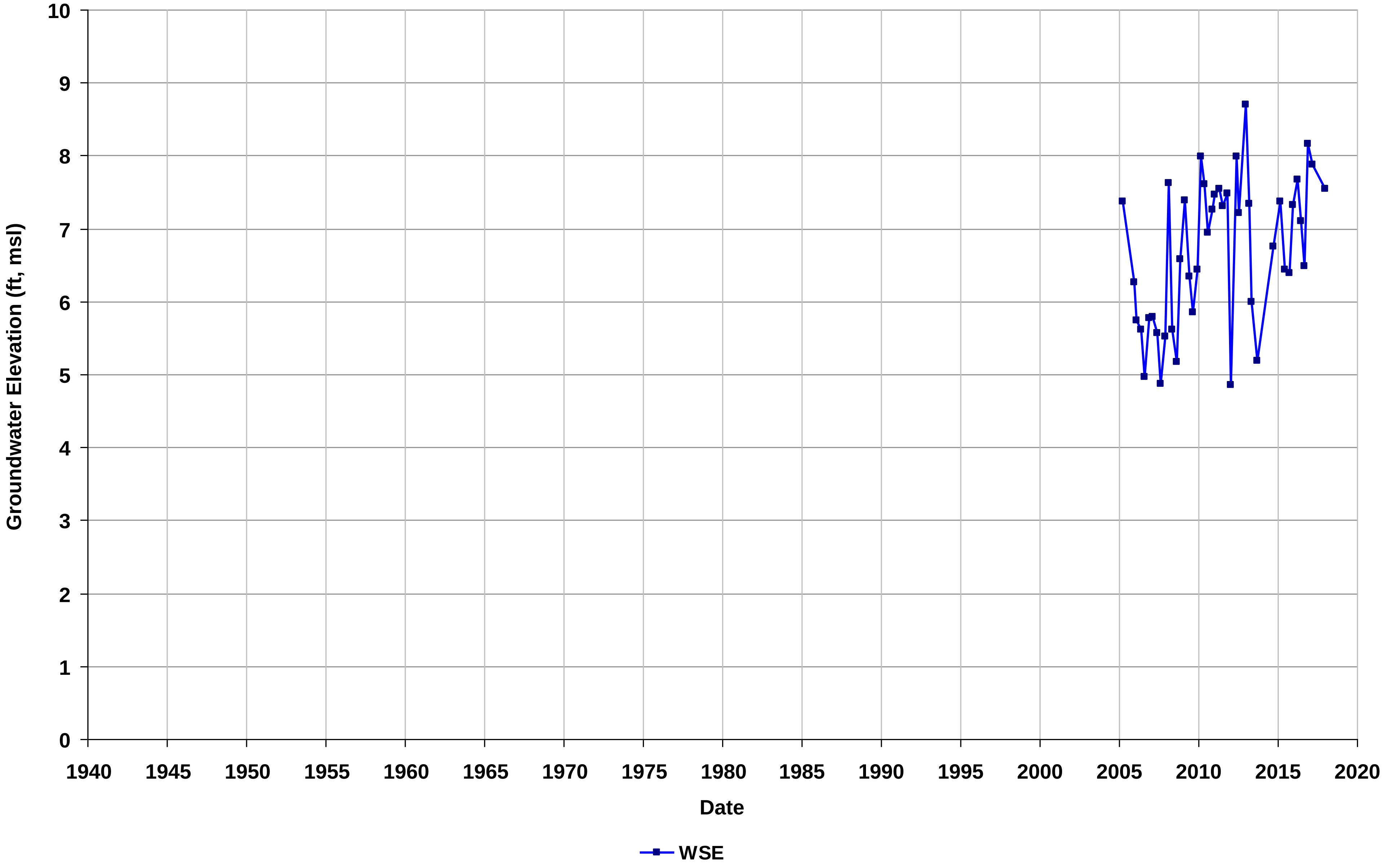
Well Name: SL372291176-B-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



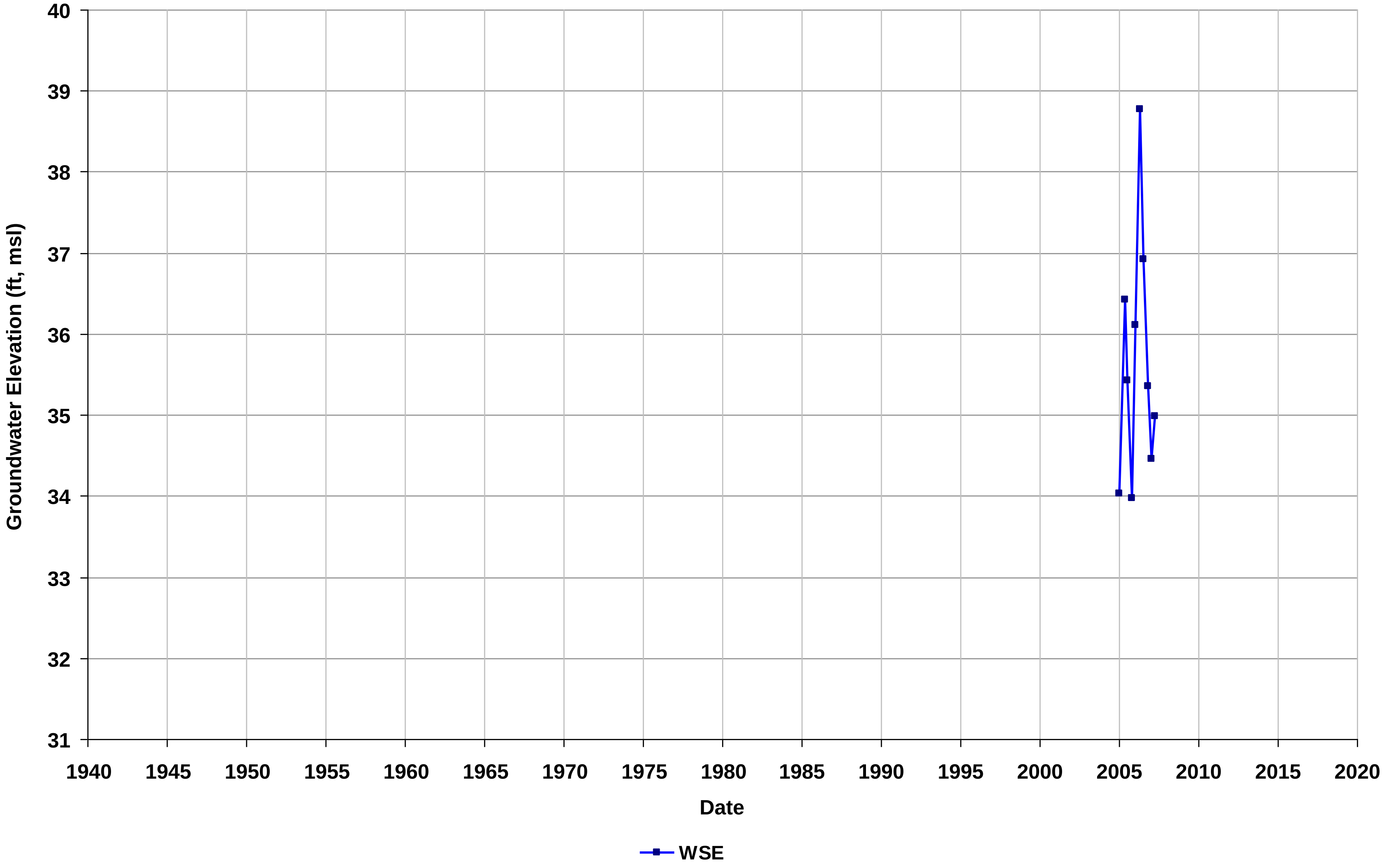
Well Name: SL372291176-B-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



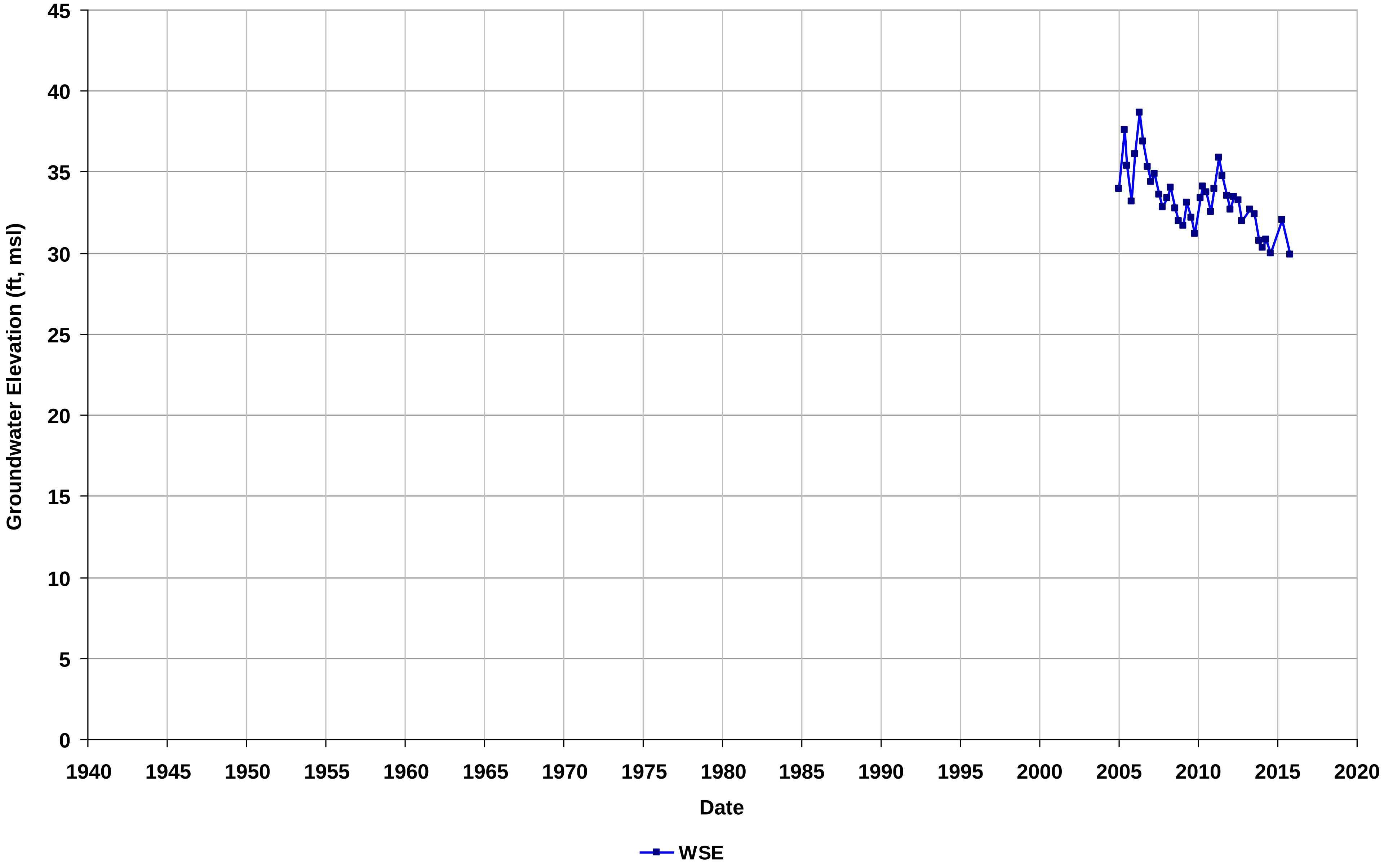
Well Name: SL600192808-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/17
Well Use: Observation



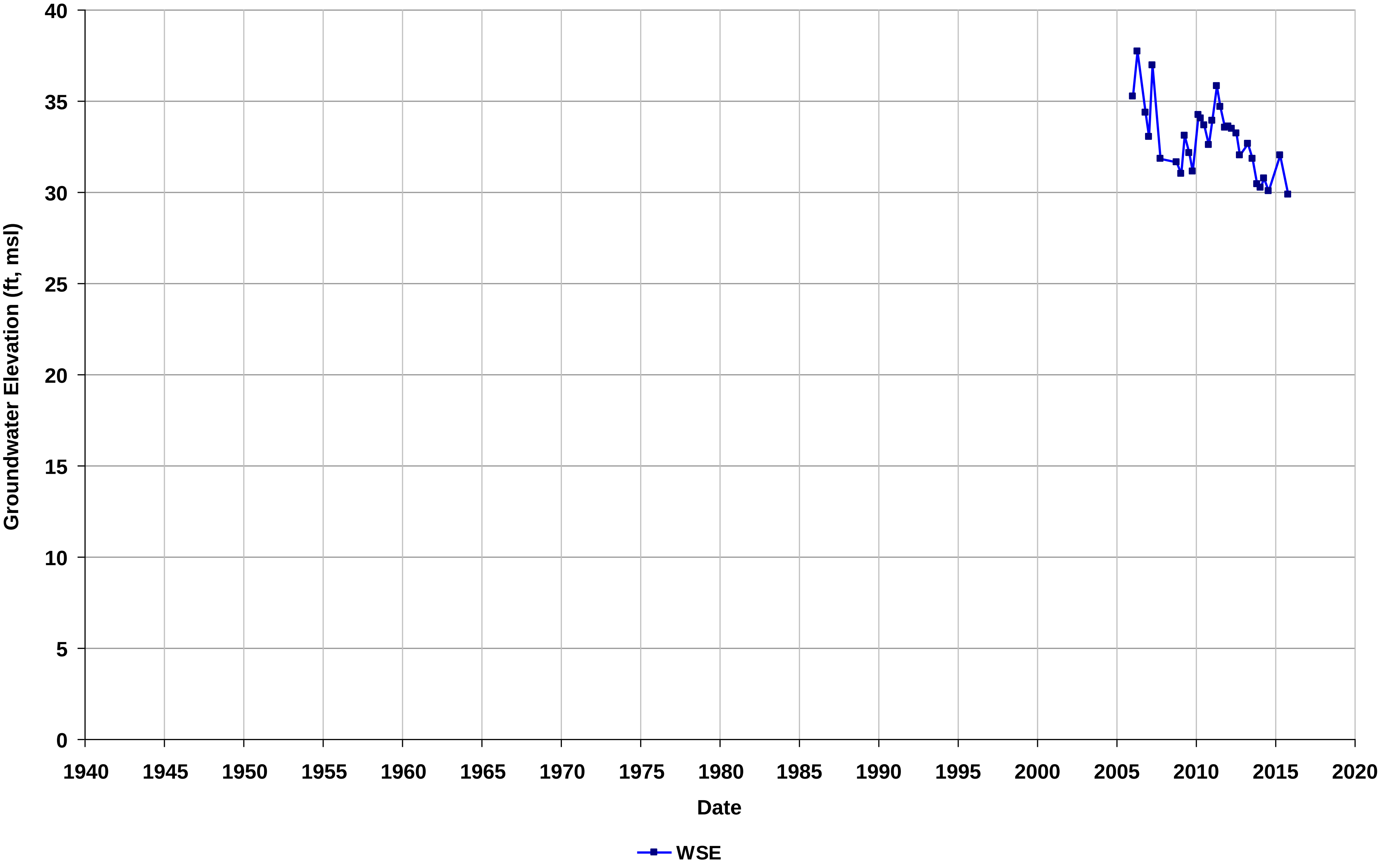
Well Name: SL600192808-MW-10
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/17
Well Use: Observation



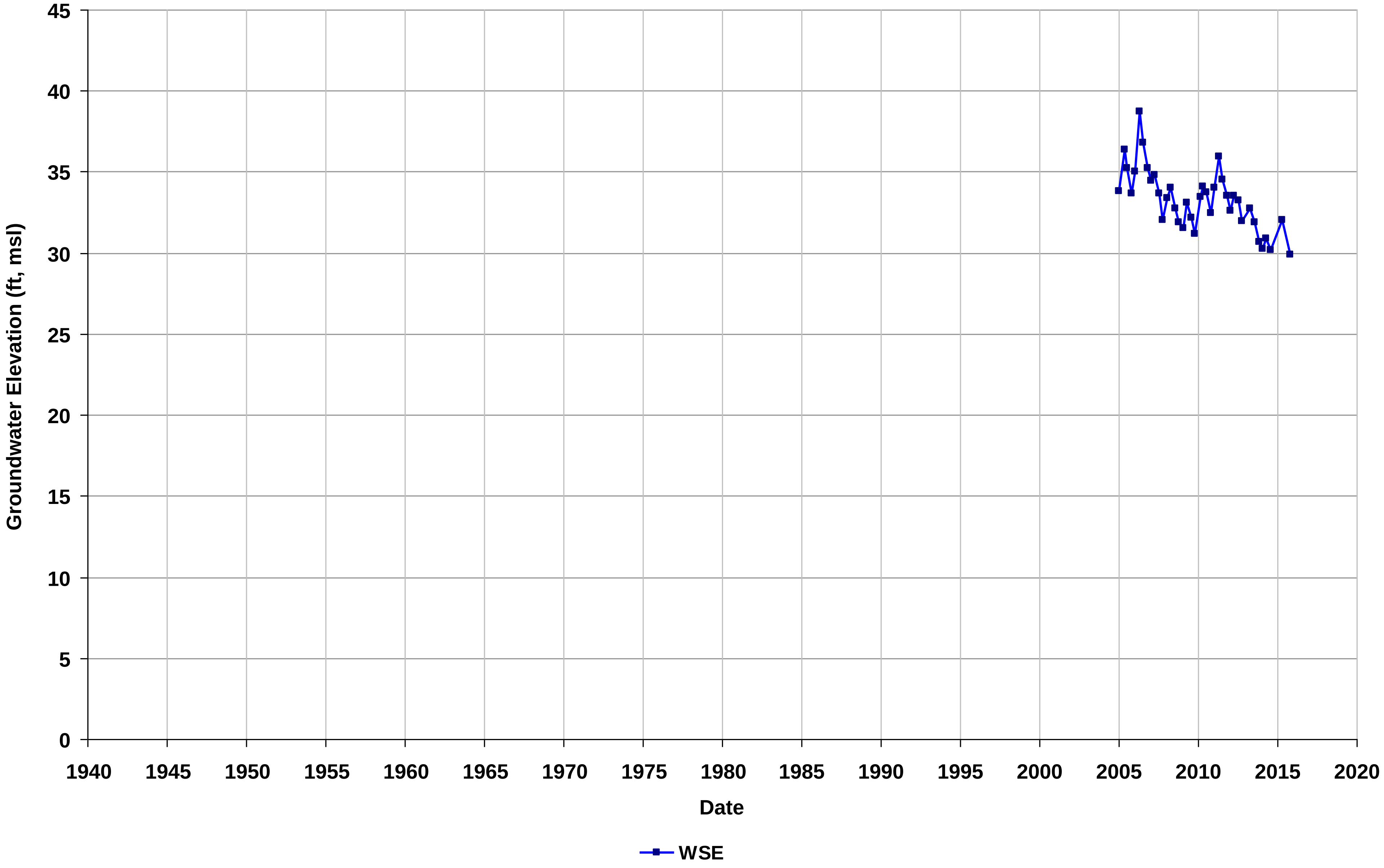
Well Name: SL600192808-MW-11
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/17
Well Use: Observation



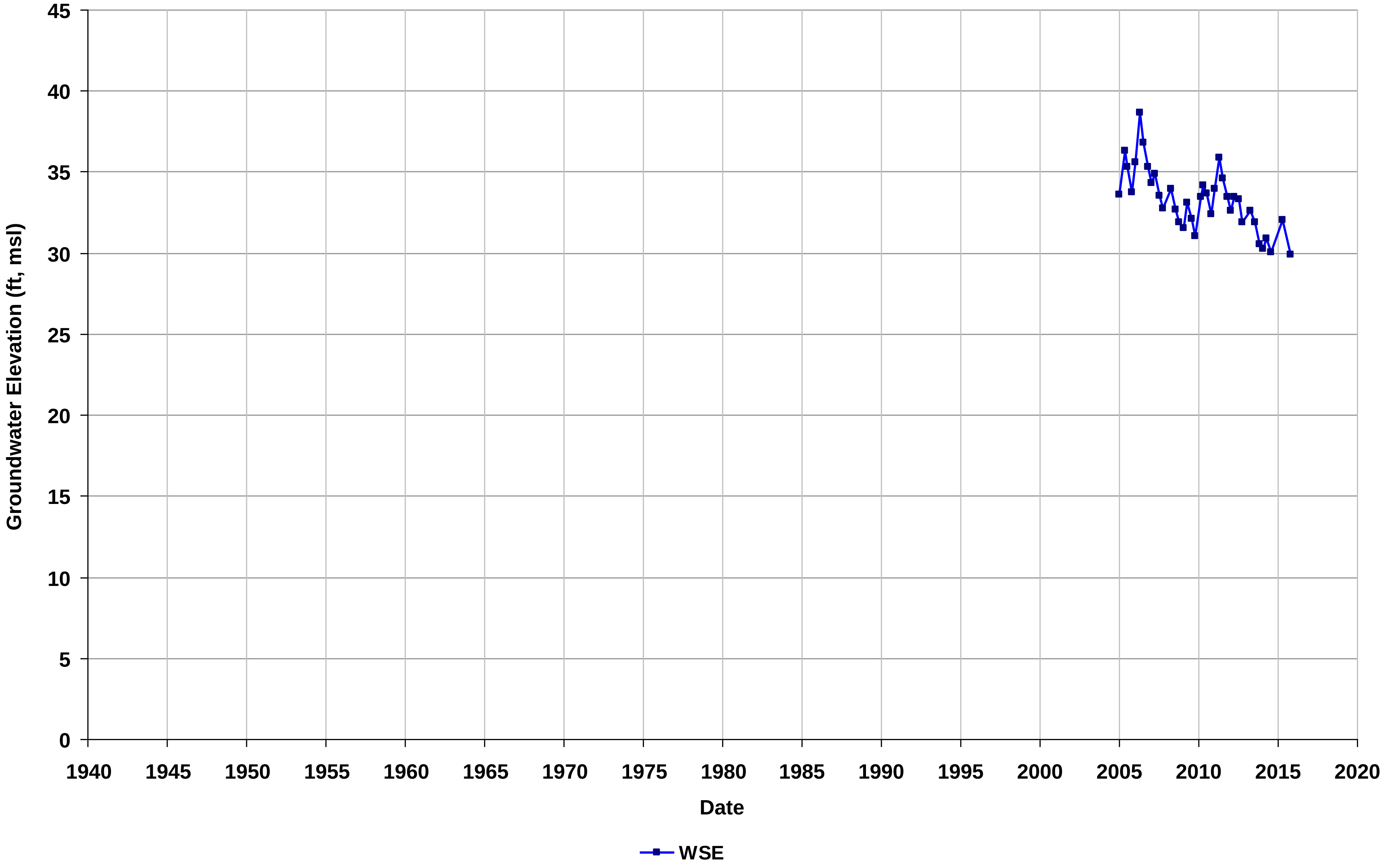
Well Name: SL600192808-MW-12
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/17
Well Use: Observation



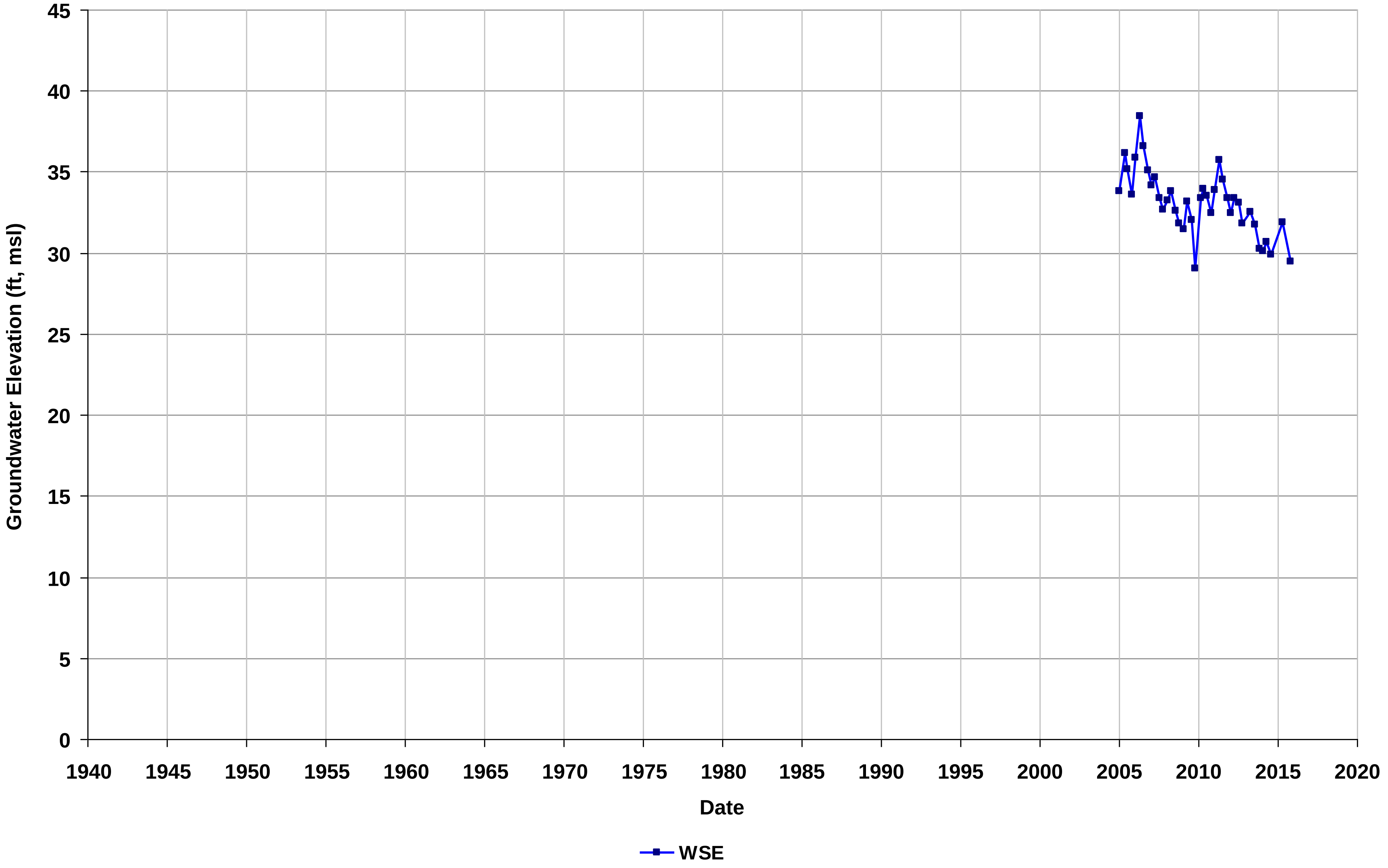
Well Name: SL600192808-MW-13
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/17
Well Use: Observation



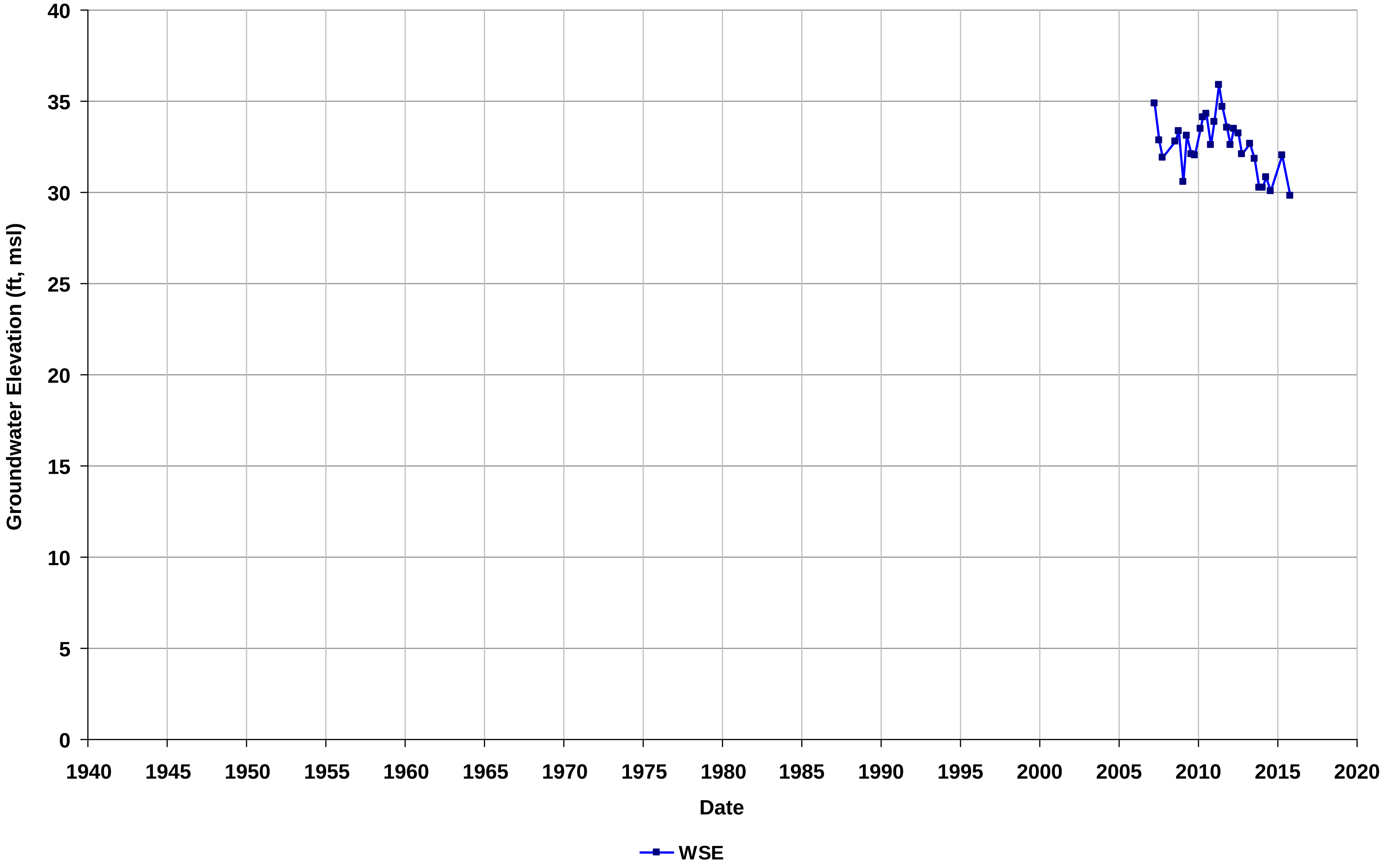
Well Name: SL600192808-MW-14
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/17
Well Use: Observation



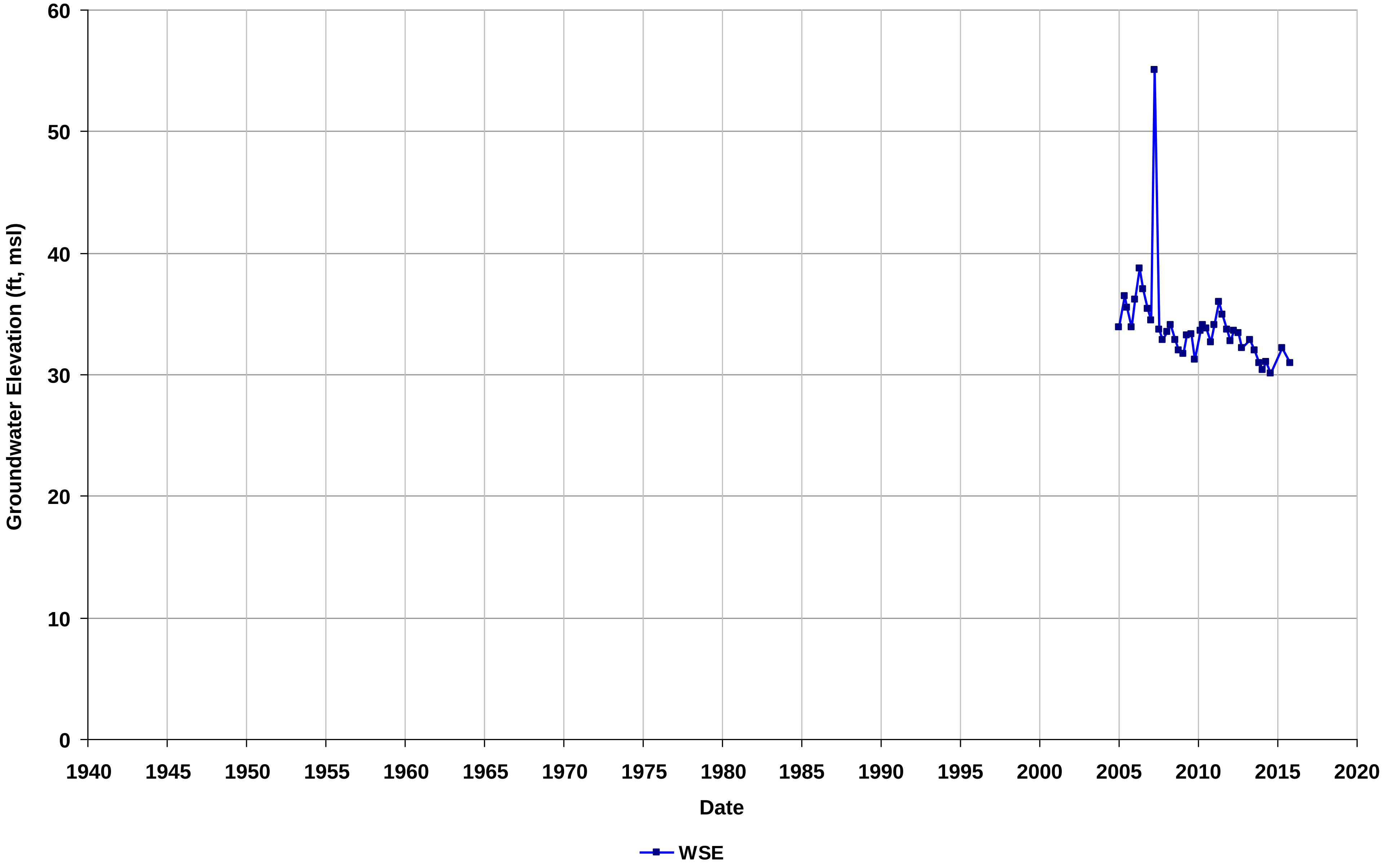
Well Name: SL600192808-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/17
Well Use: Observation



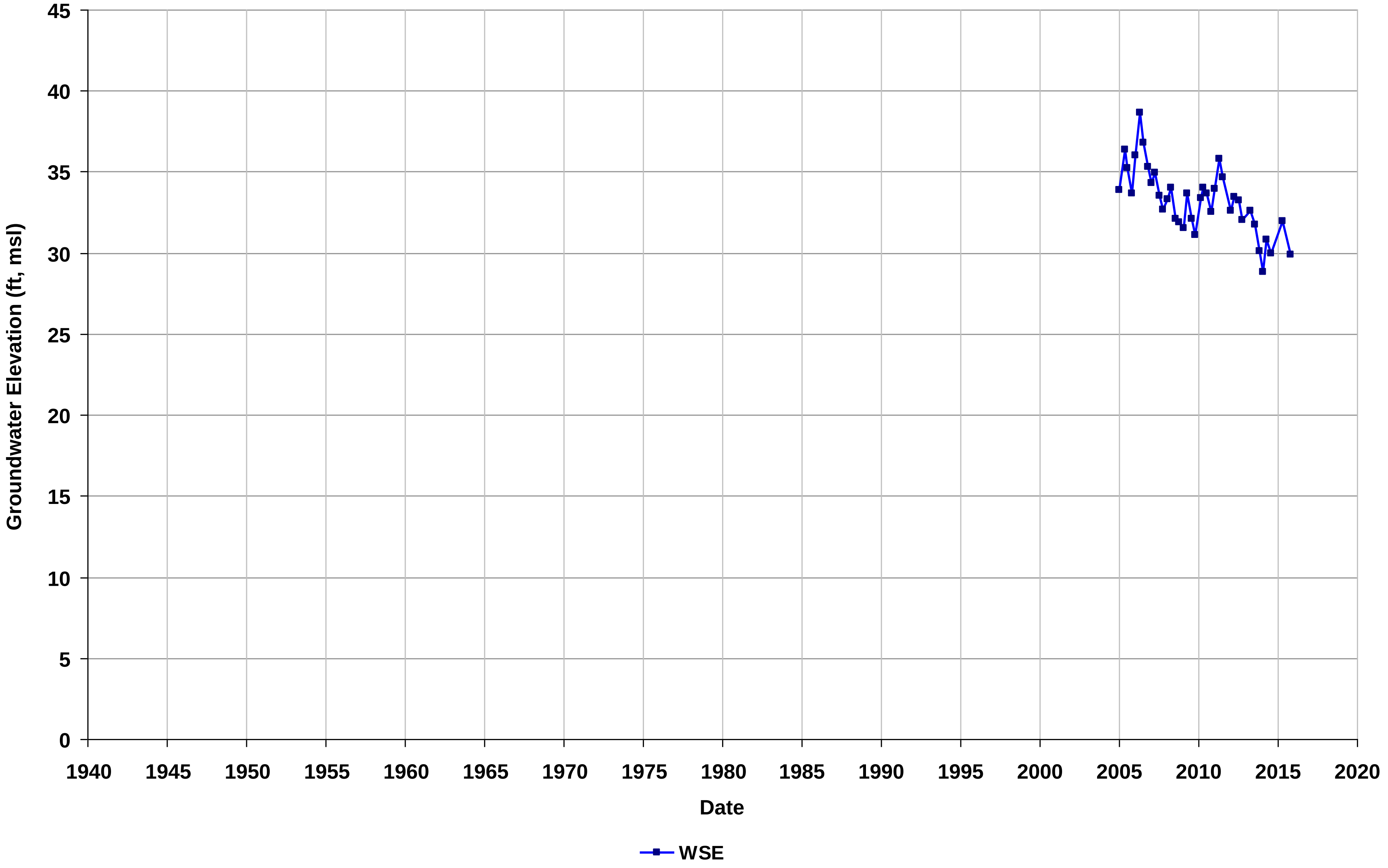
Well Name: SL600192808-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/17
Well Use: Observation



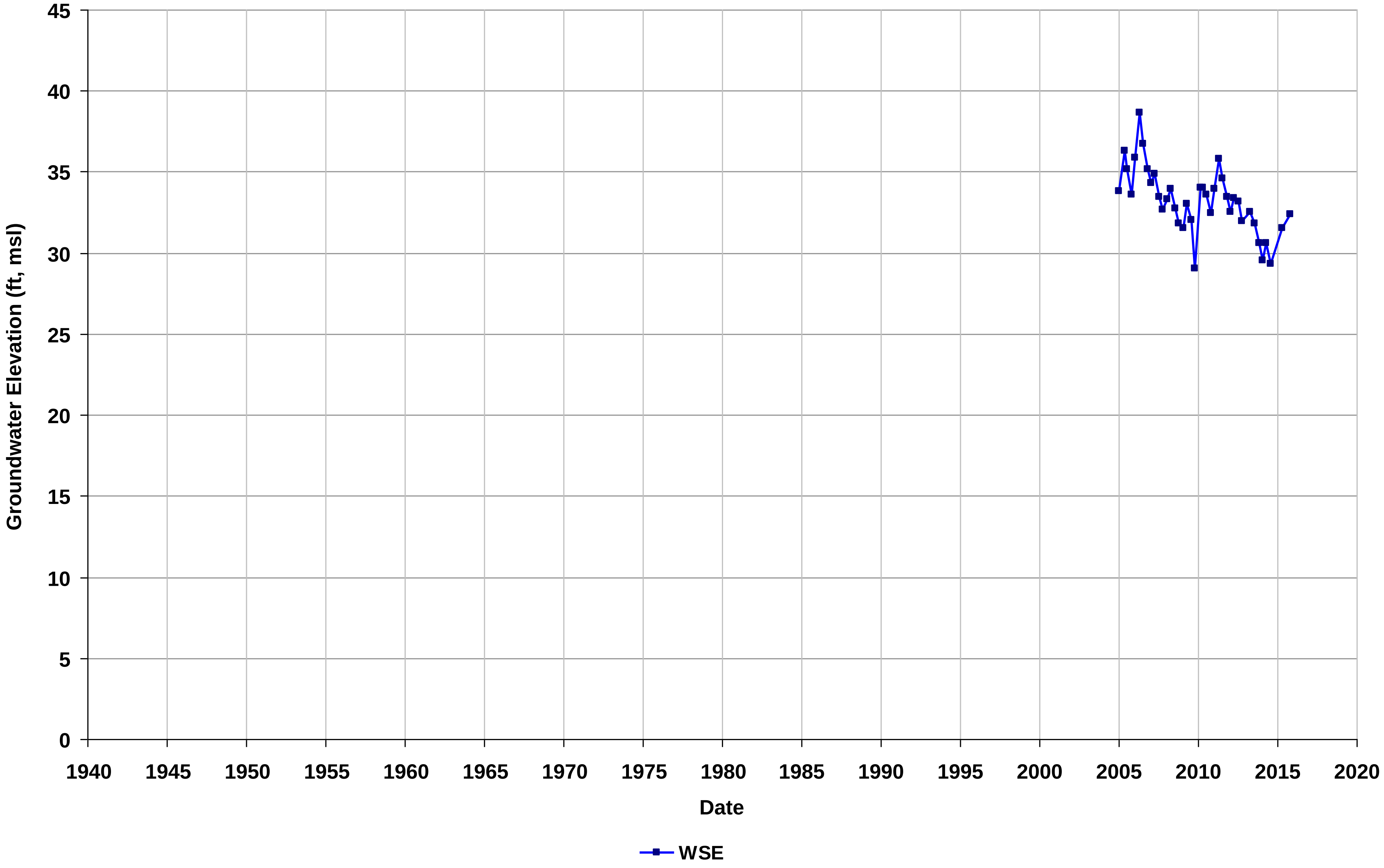
Well Name: SL600192808-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/17
Well Use: Observation



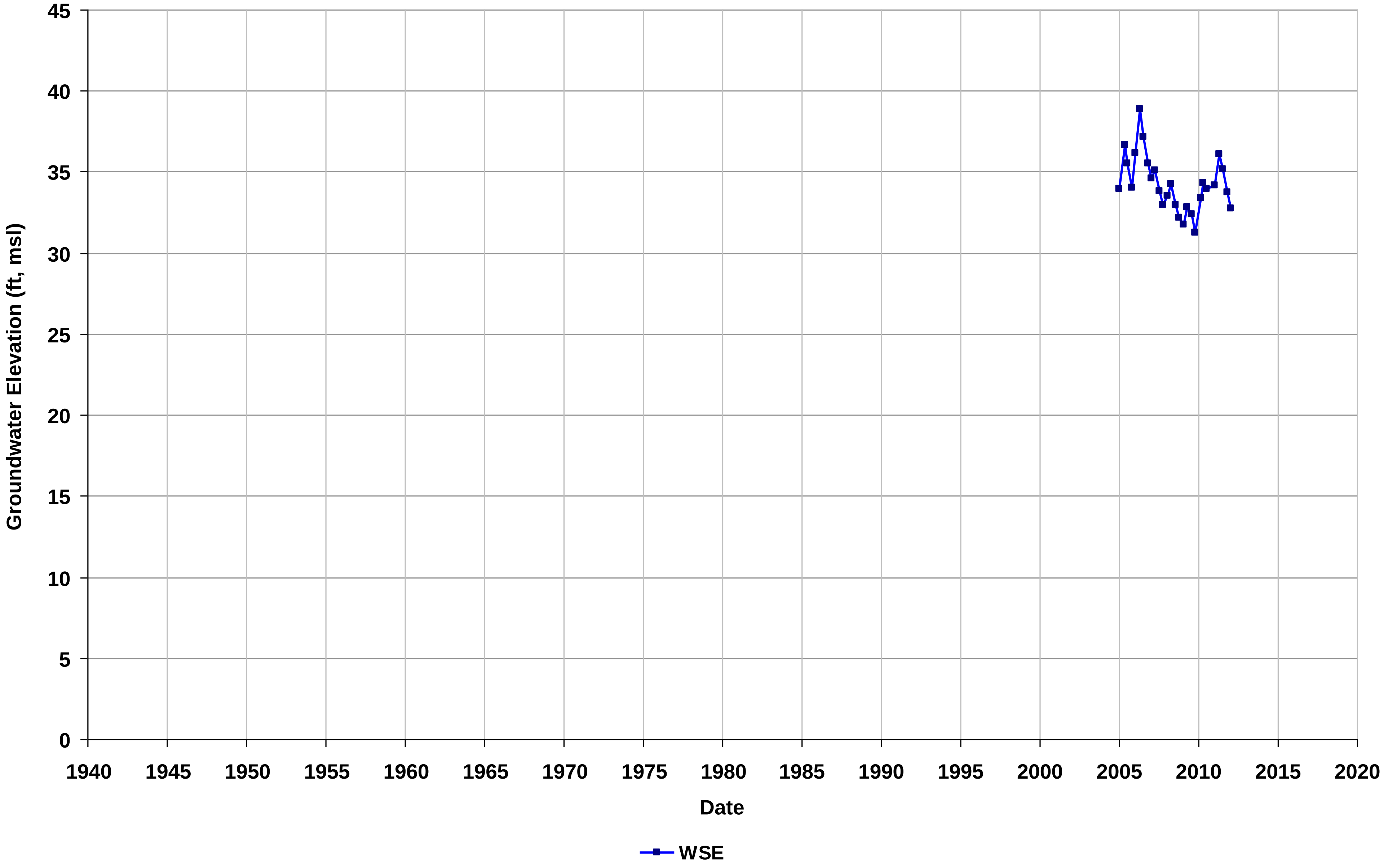
Well Name: SL600192808-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/17
Well Use: Observation



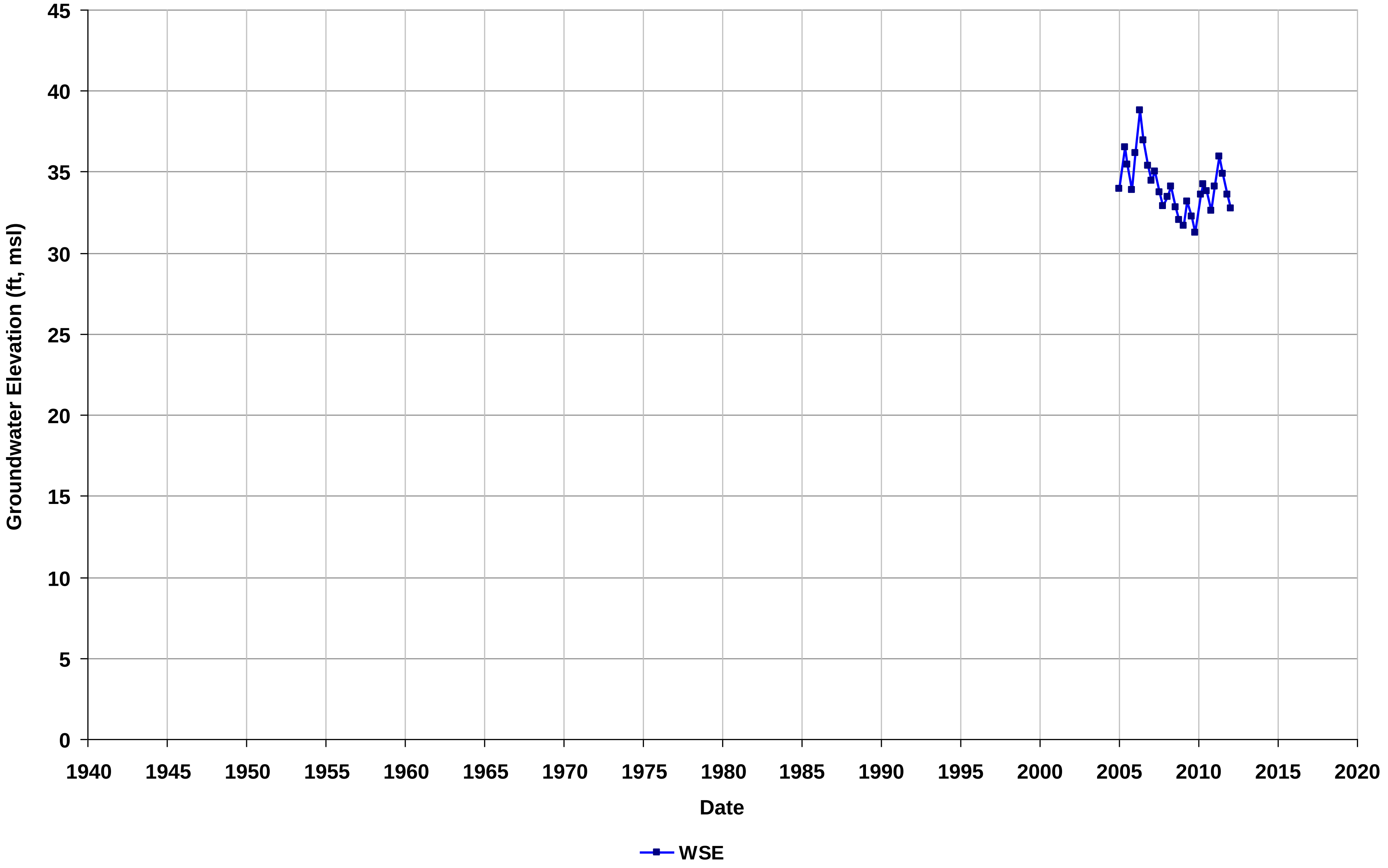
Well Name: SL600192808-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/17
Well Use: Observation



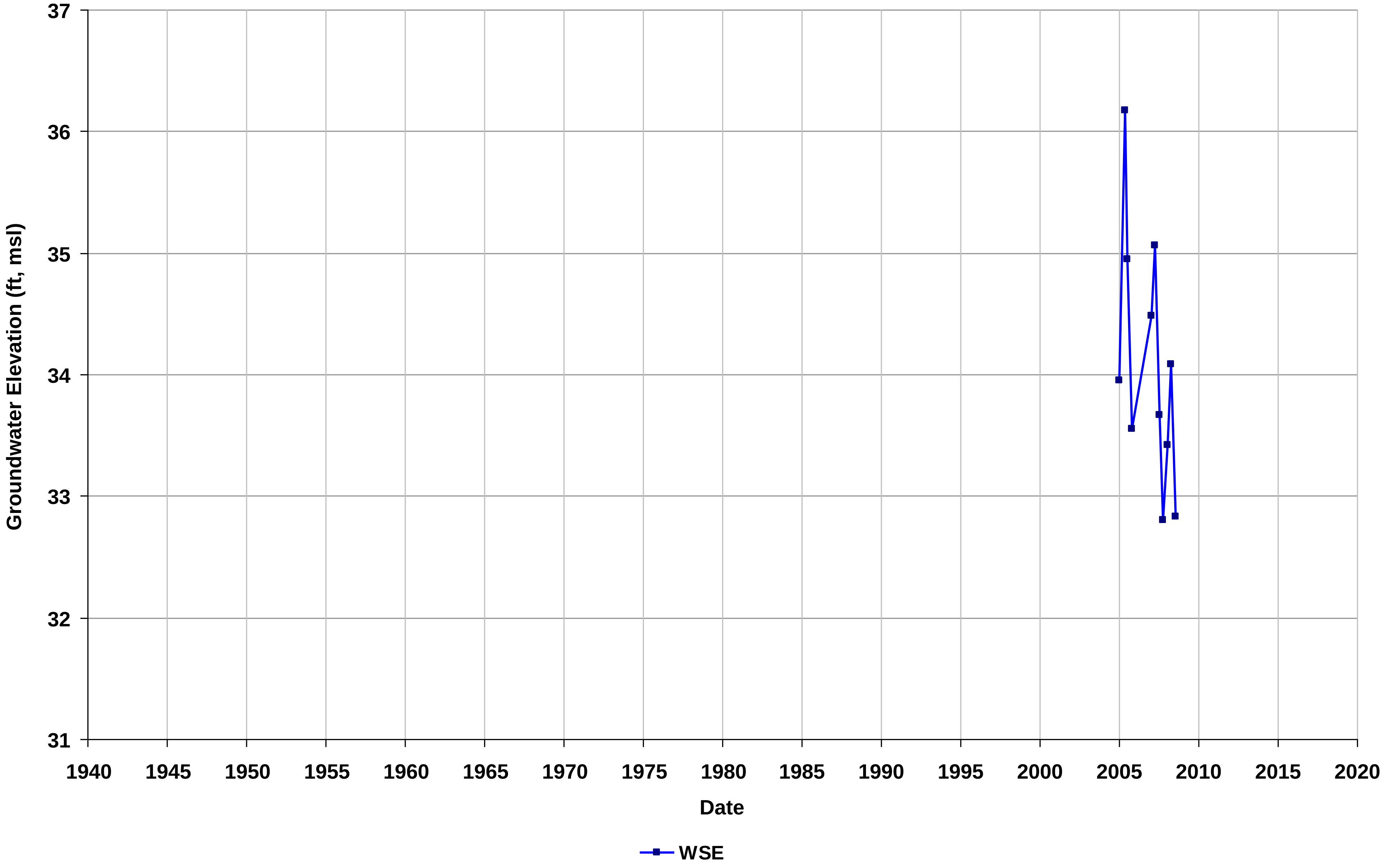
Well Name: SL600192808-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/17
Well Use: Observation



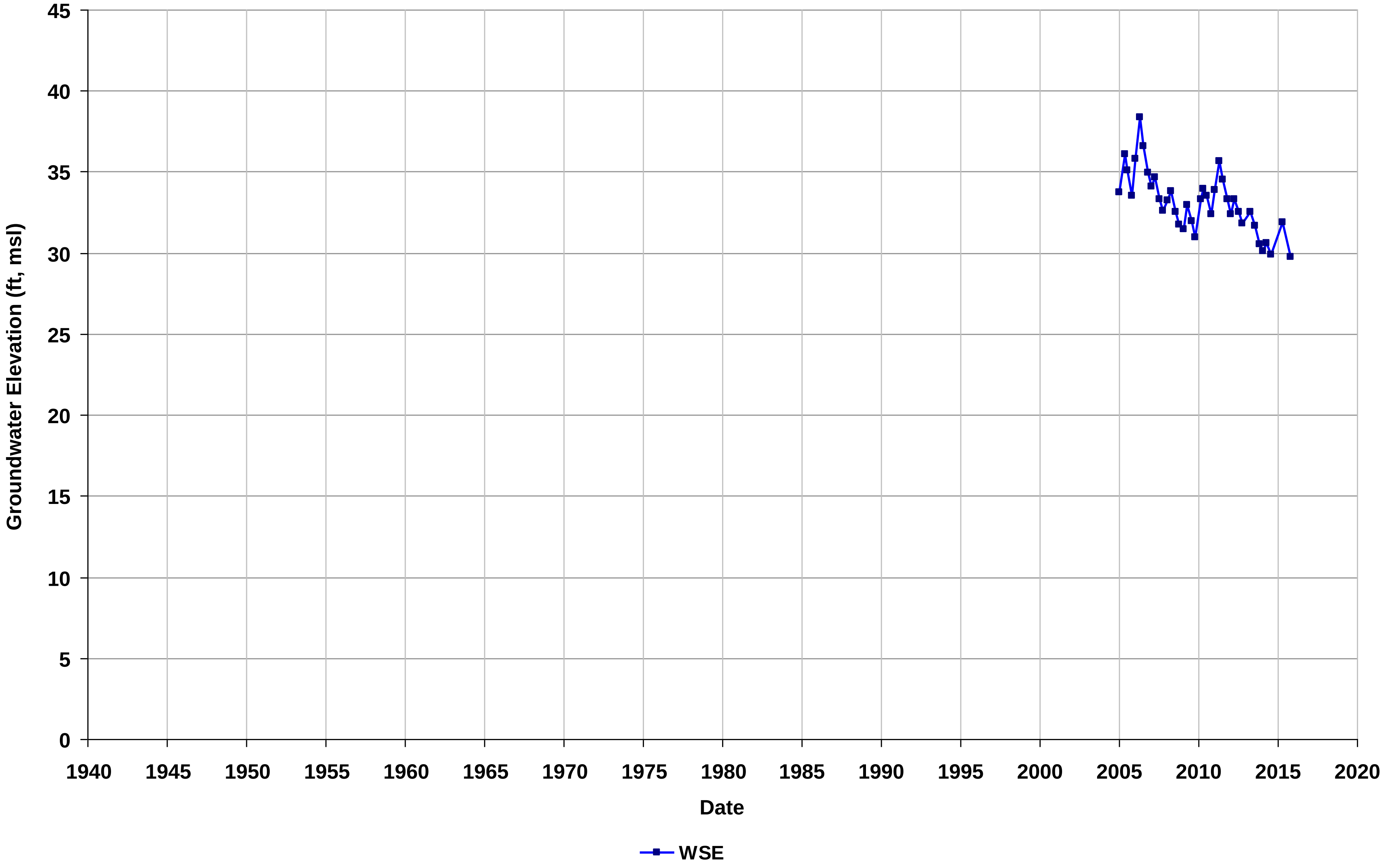
Well Name: SL600192808-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/17
Well Use: Observation



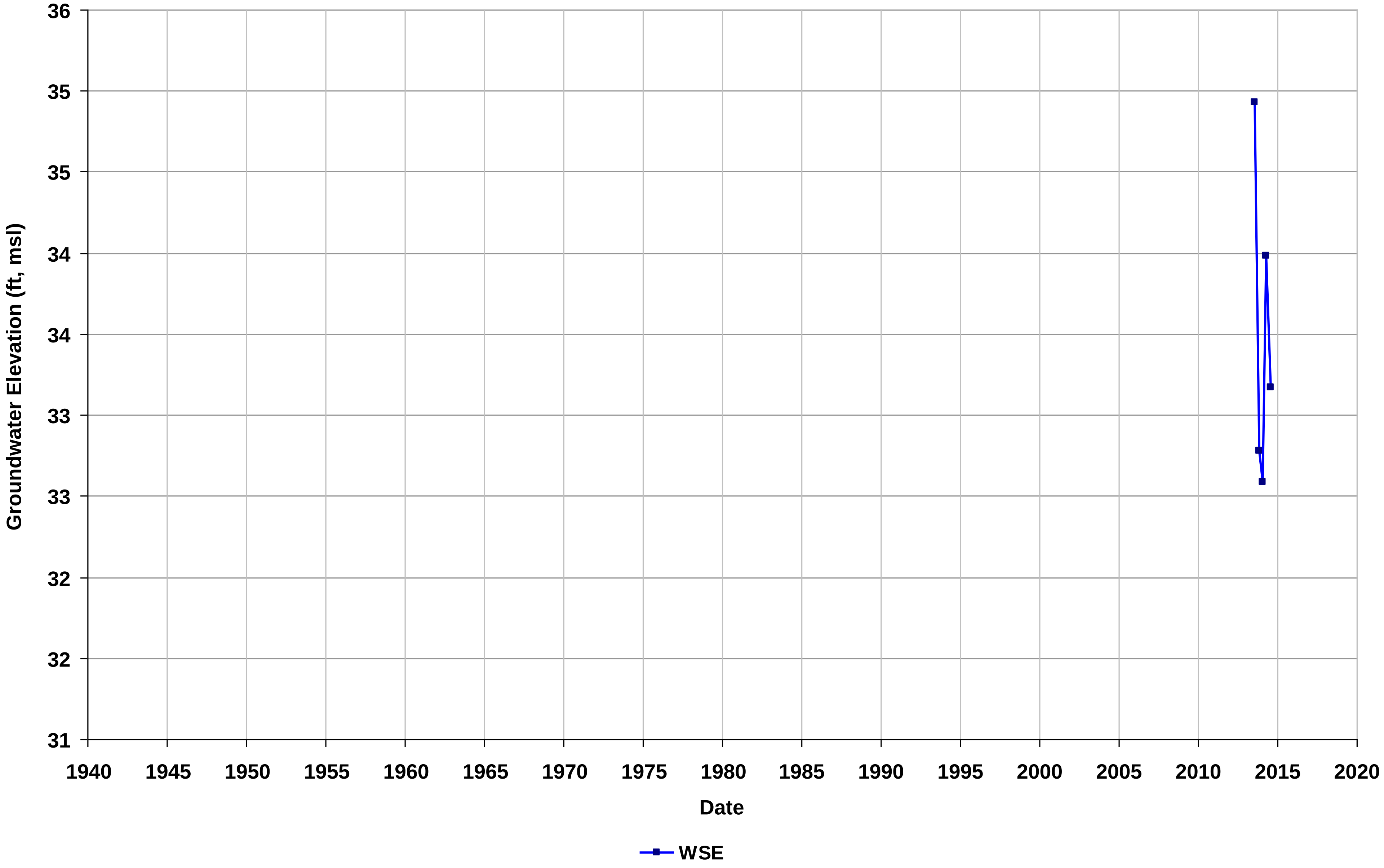
Well Name: SL600192808-MW-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/17
Well Use: Observation



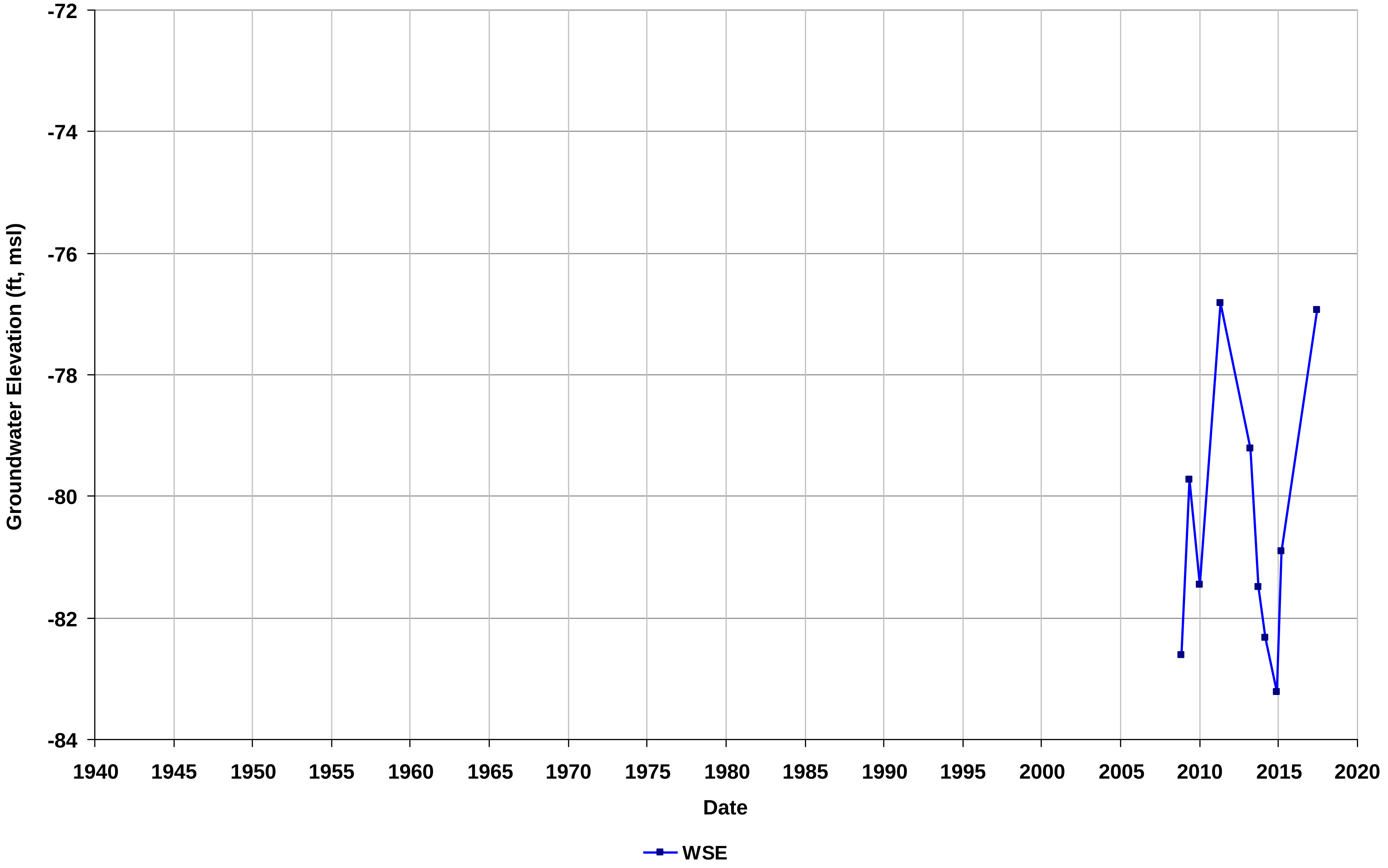
Well Name: SL600192808-RW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/17
Well Use: Observation



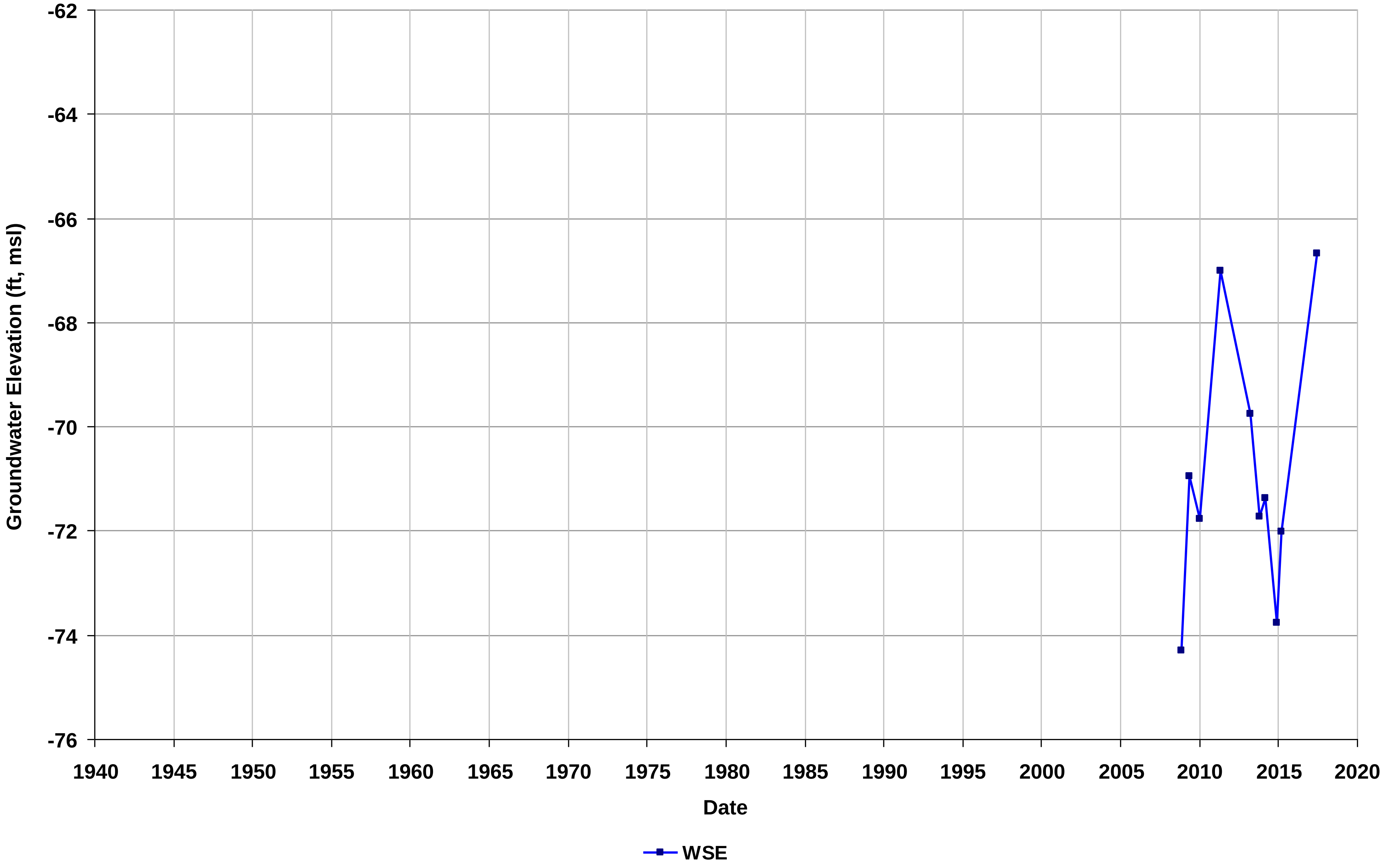
Well Name: SLT19735483-MW-01
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



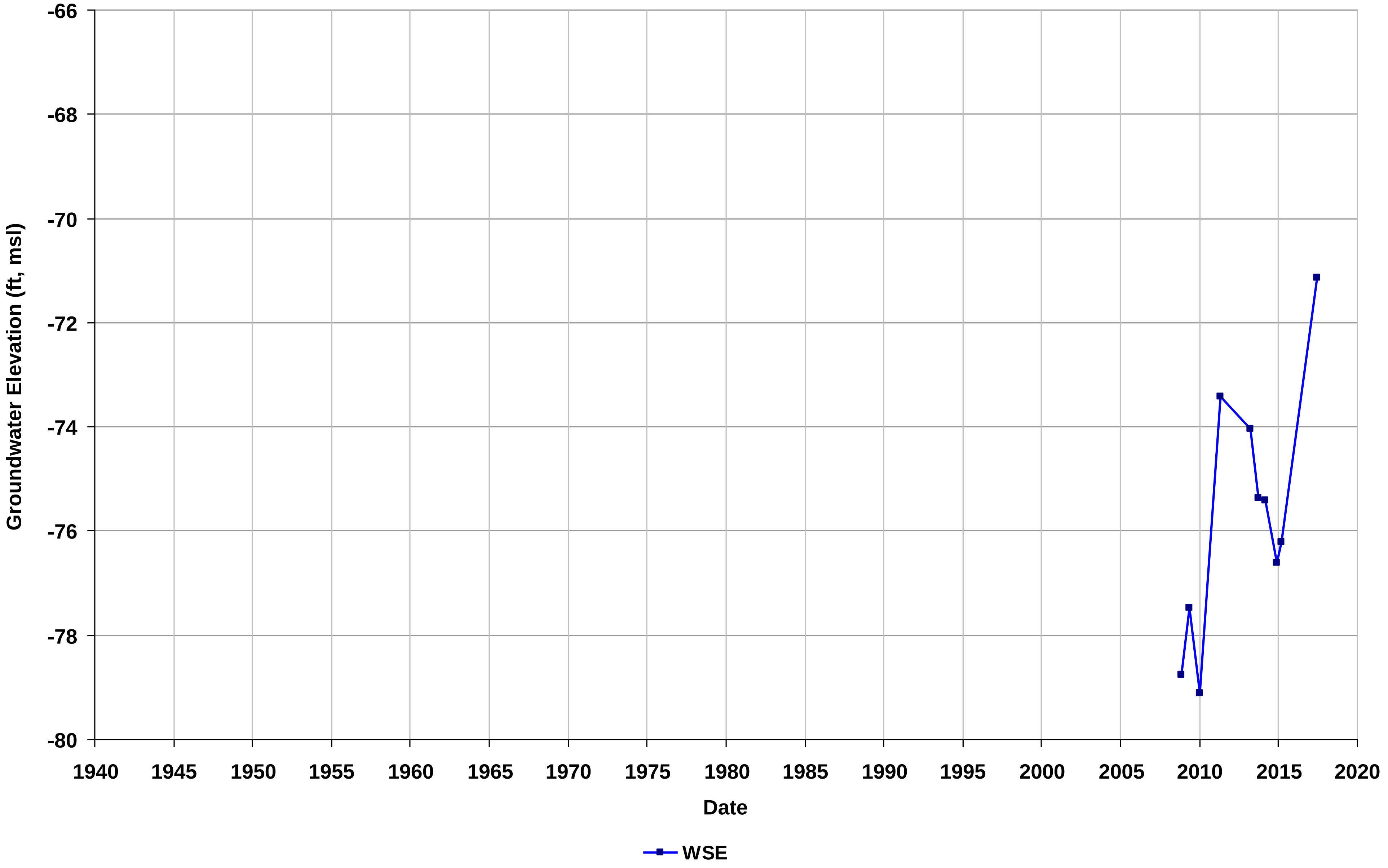
Well Name: SLT19735483-MW-02
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



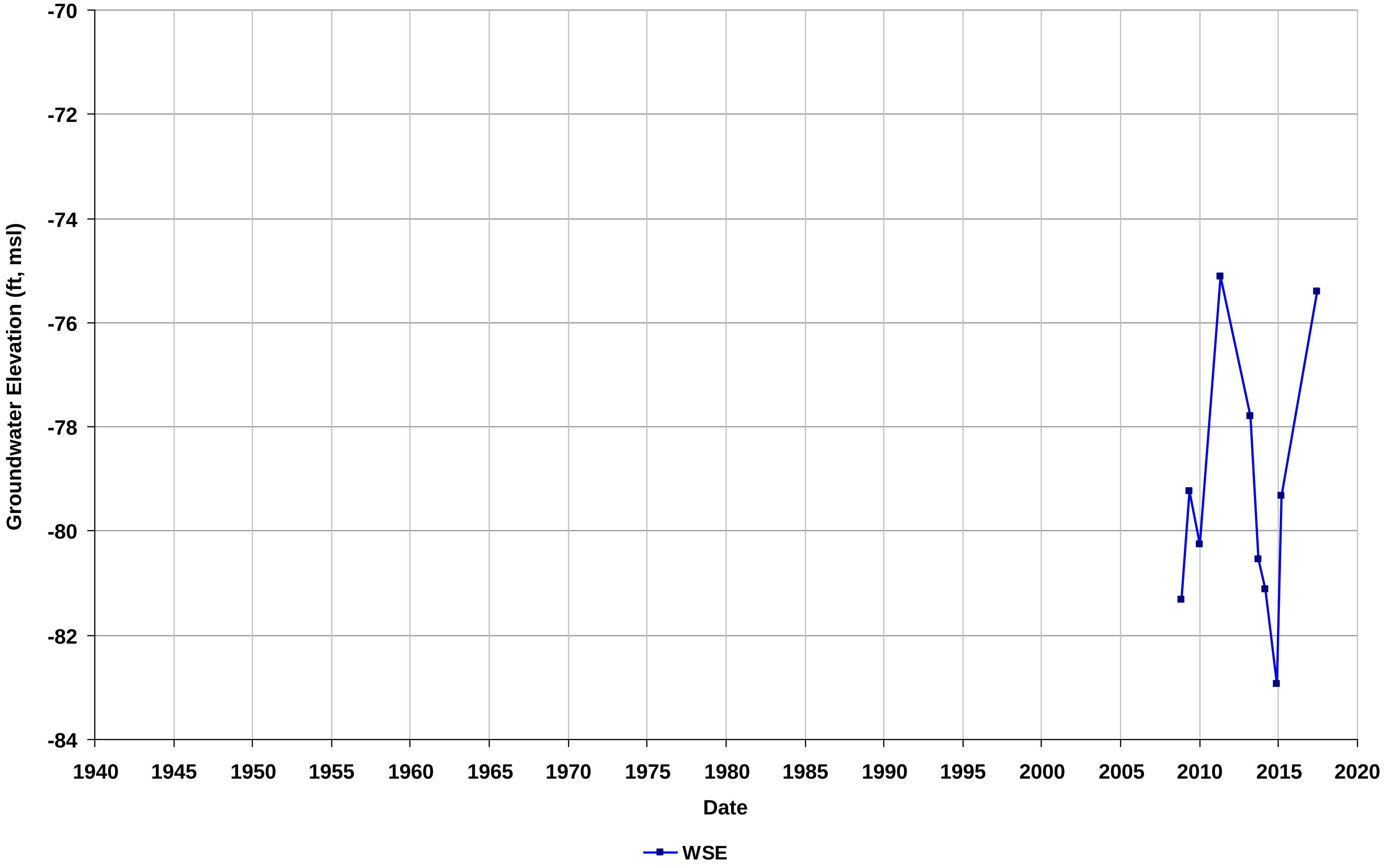
Well Name: SLT19735483-MW-03
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



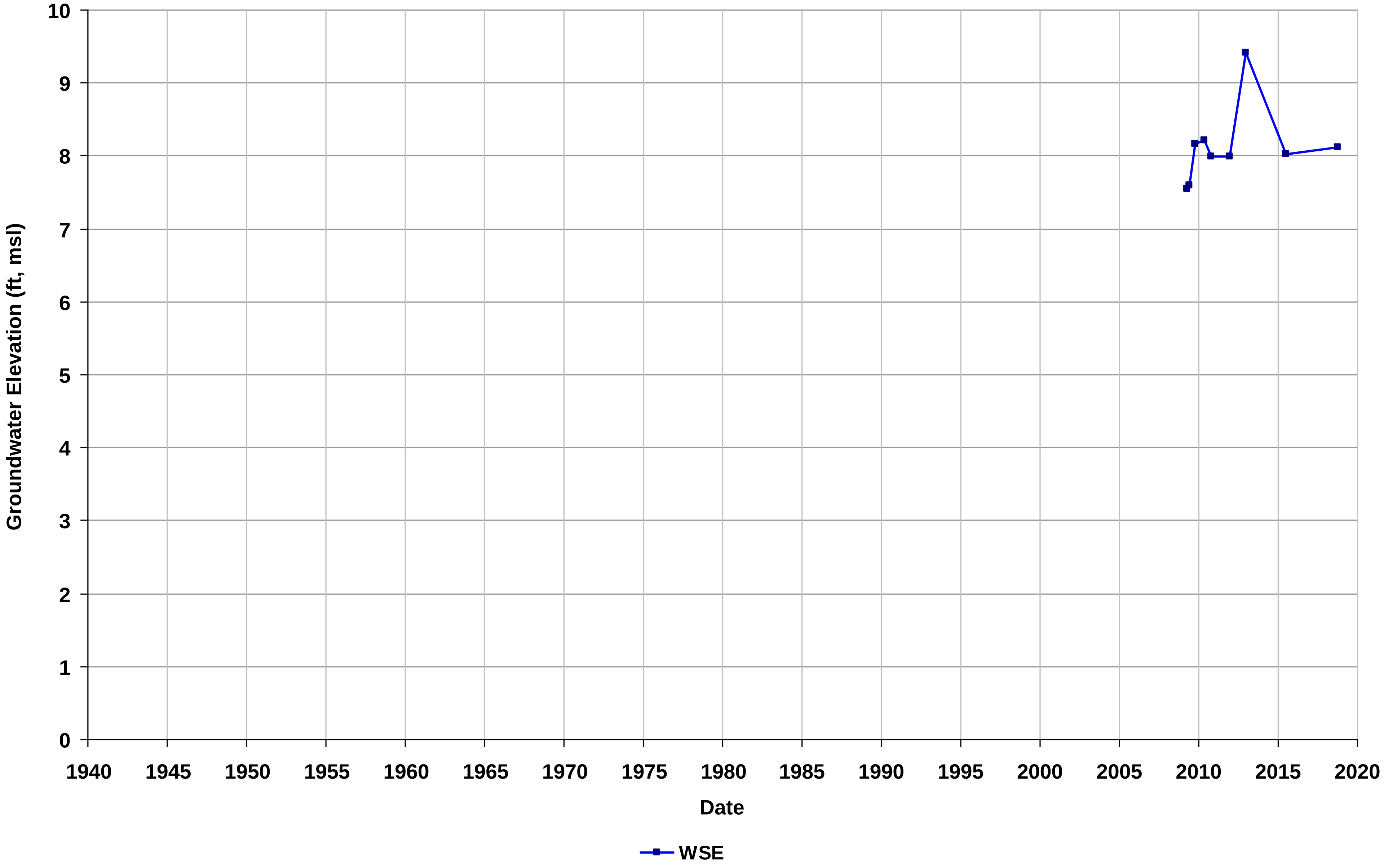
Well Name: SLT19735483-MW-04
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



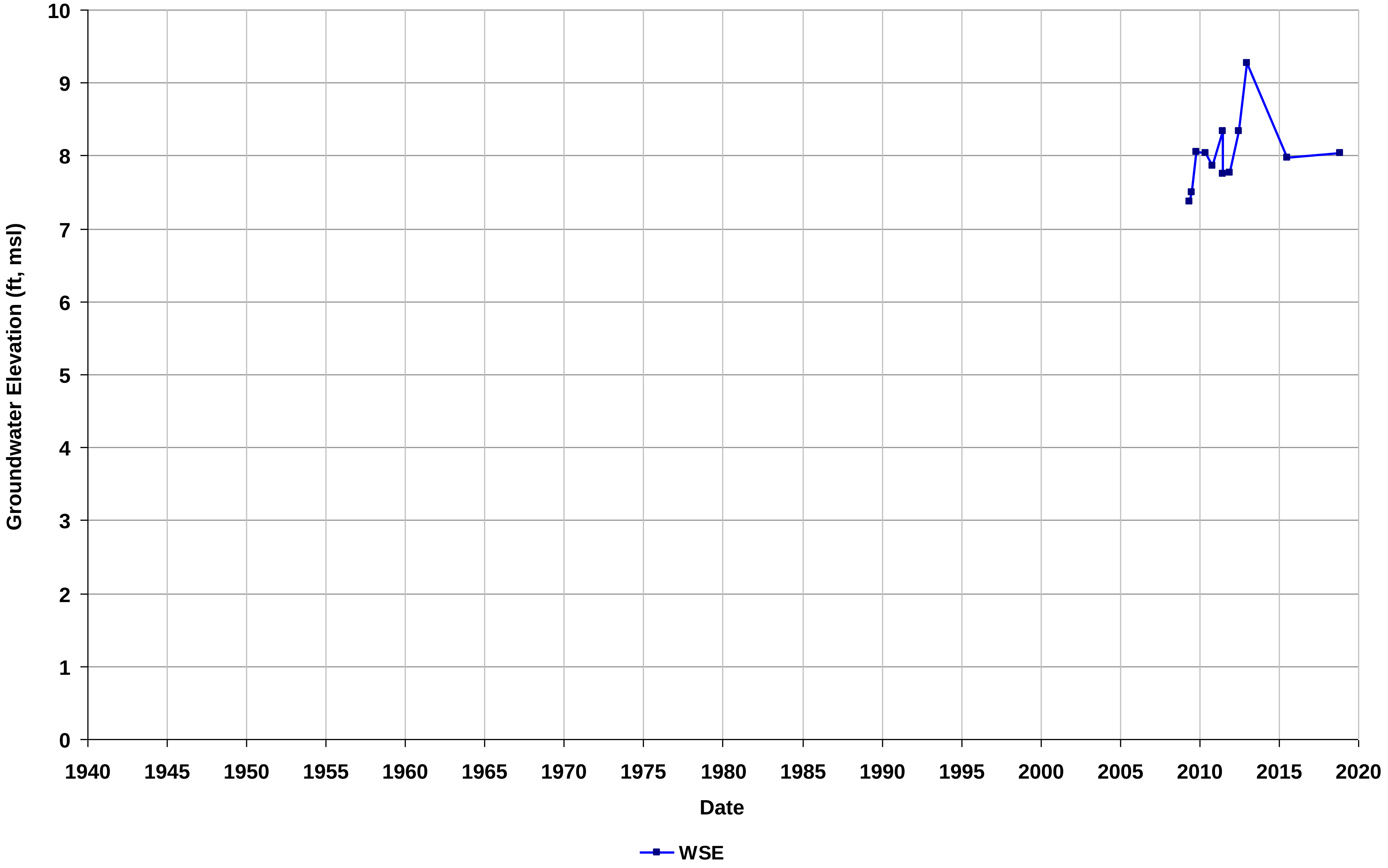
Well Name: SLT2O07076-MW-17
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/15
Well Use: Observation



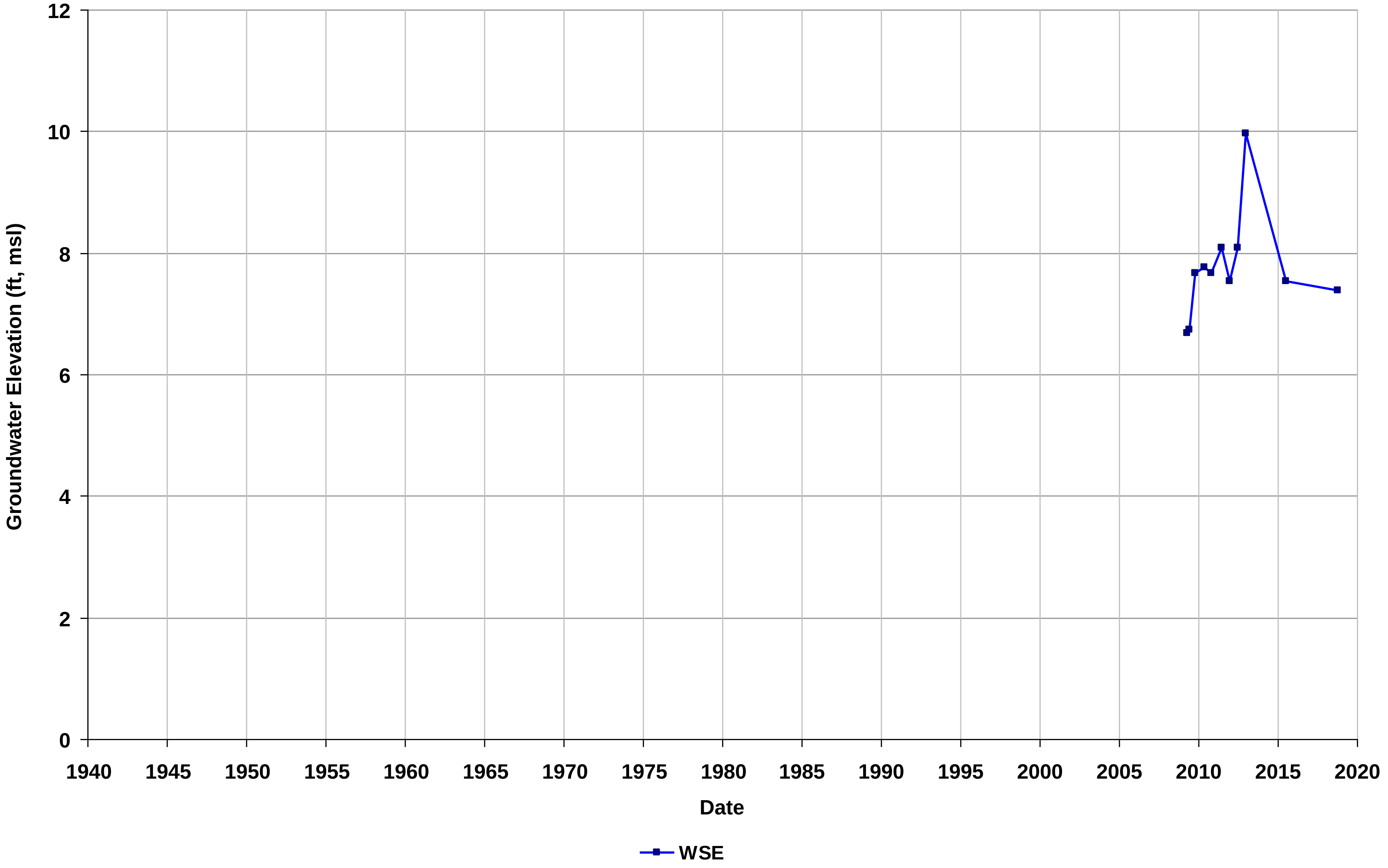
Well Name: SLT2O07076-MW-18
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/15
Well Use: Observation



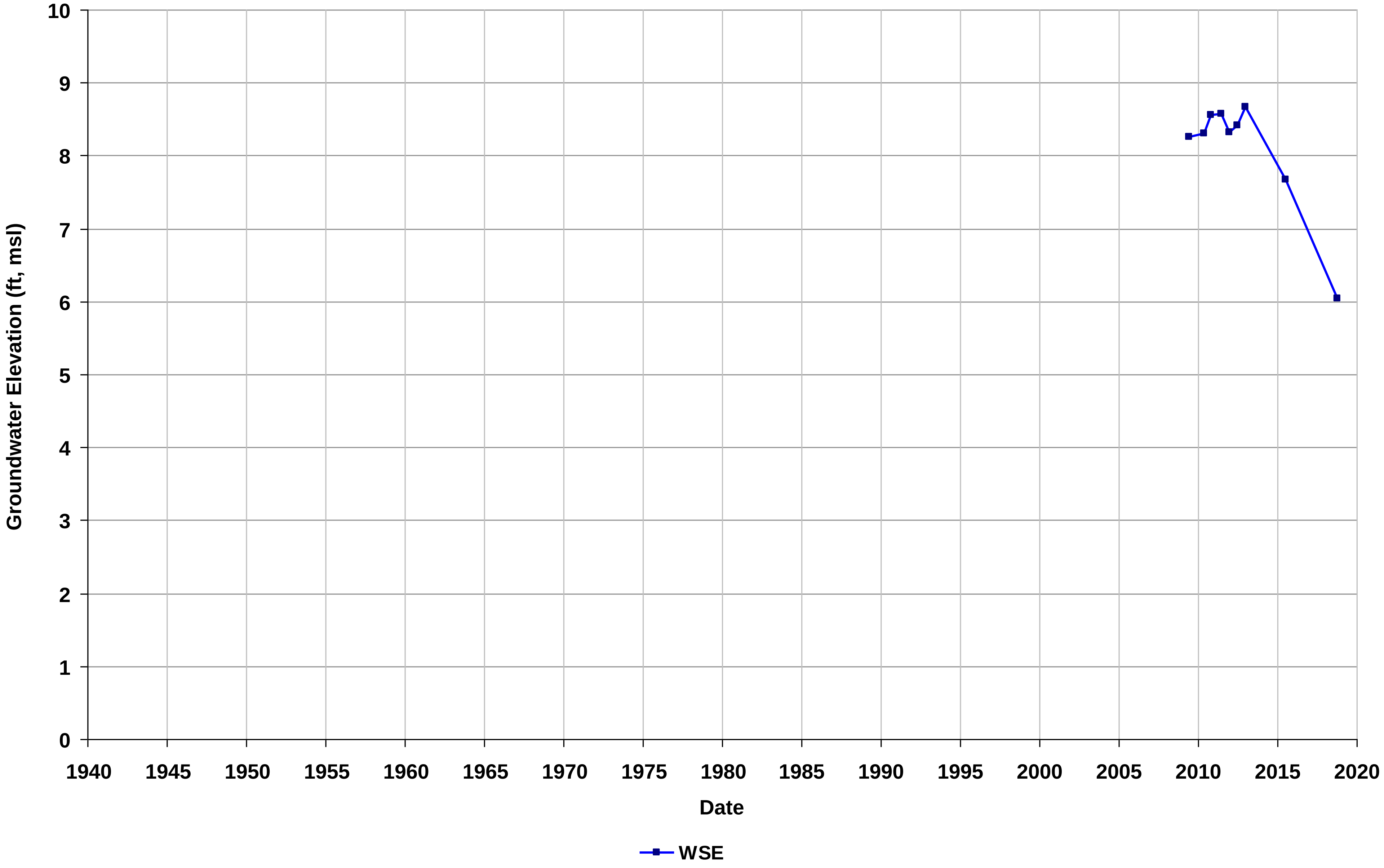
Well Name: SLT2O07076-MW-19A
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/15
Well Use: Observation



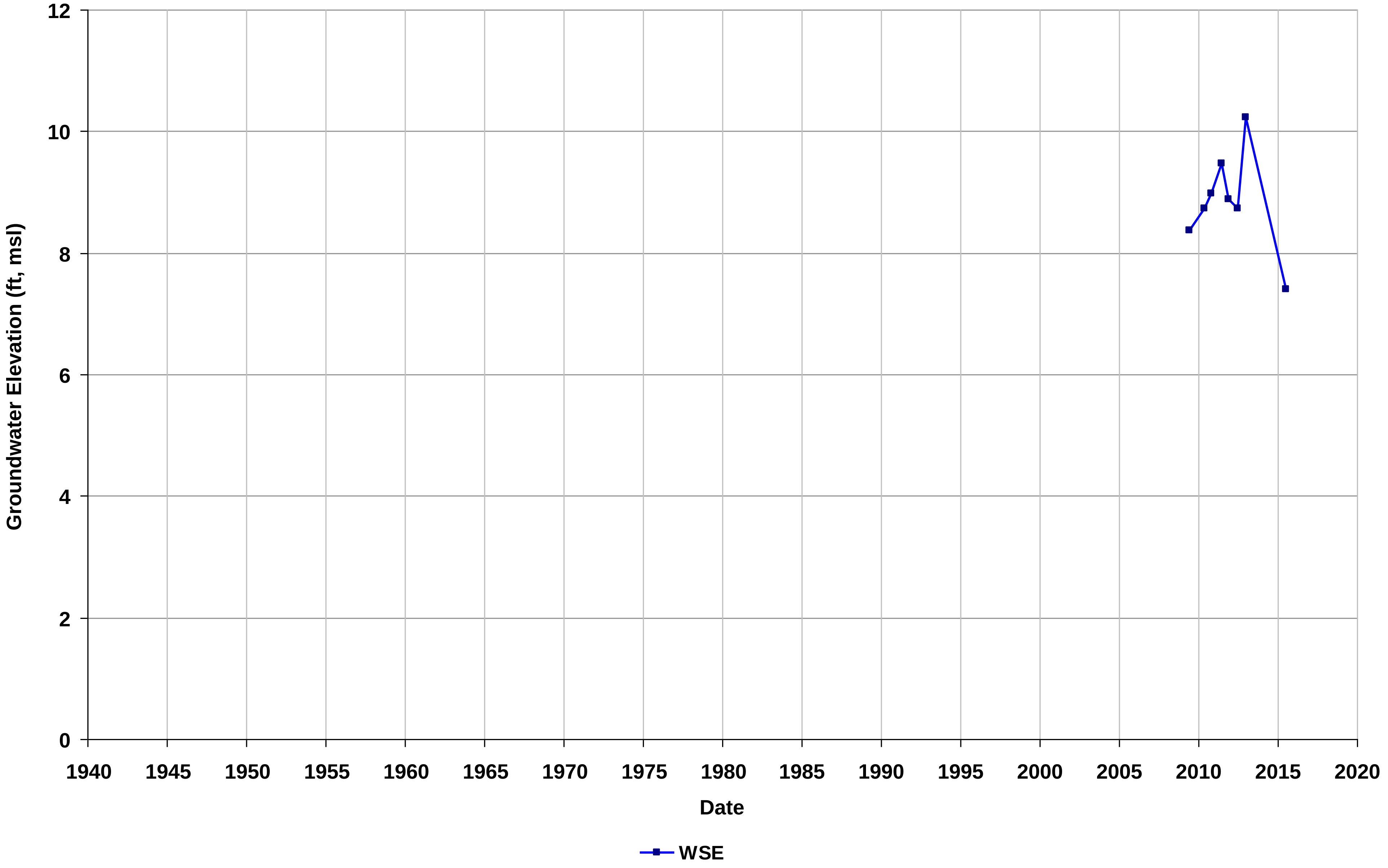
Well Name: SLT2O07076-MWX-10A
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/15
Well Use: Observation



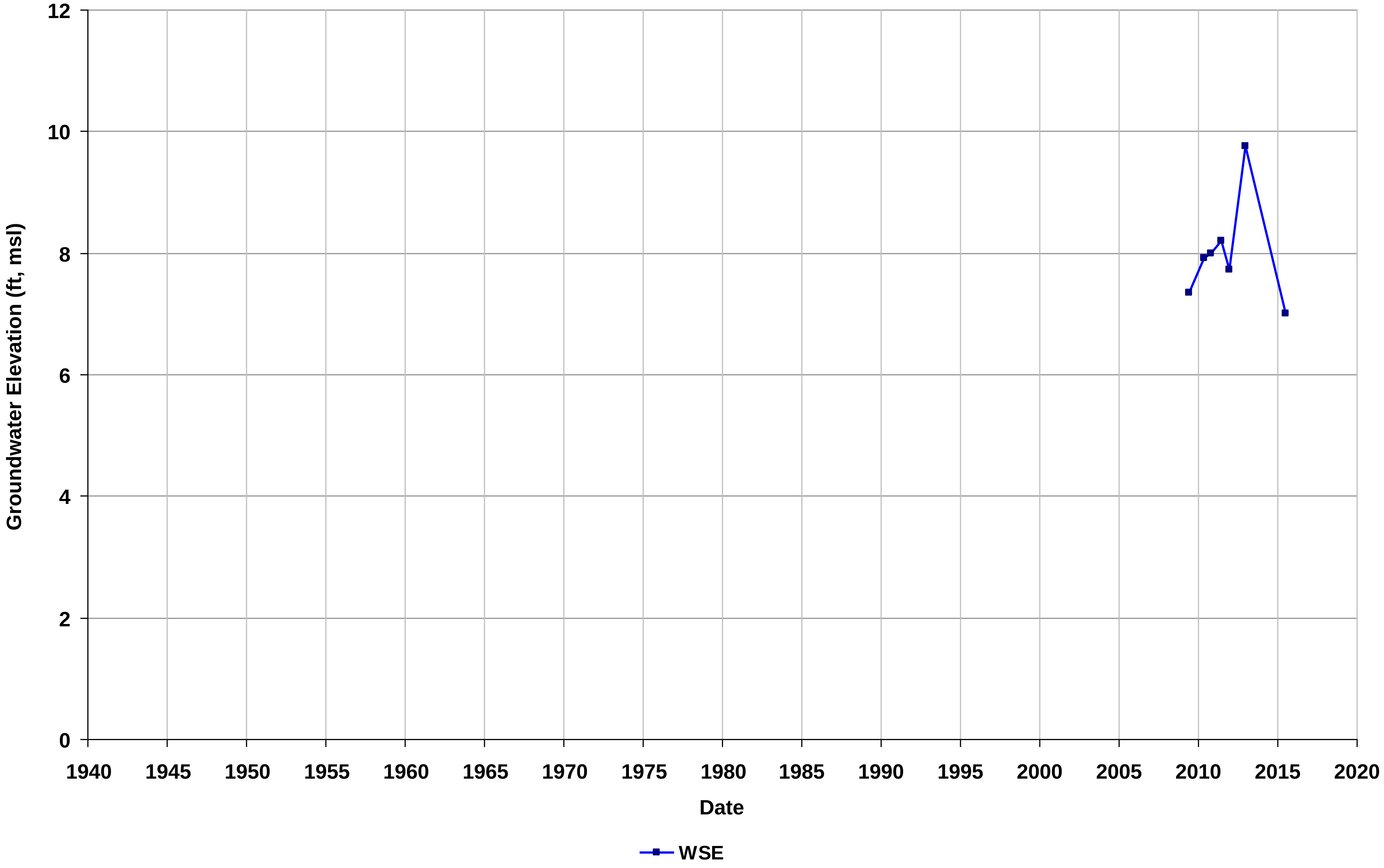
Well Name: SLT2O07076-MWX-11A
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/15
Well Use: Observation



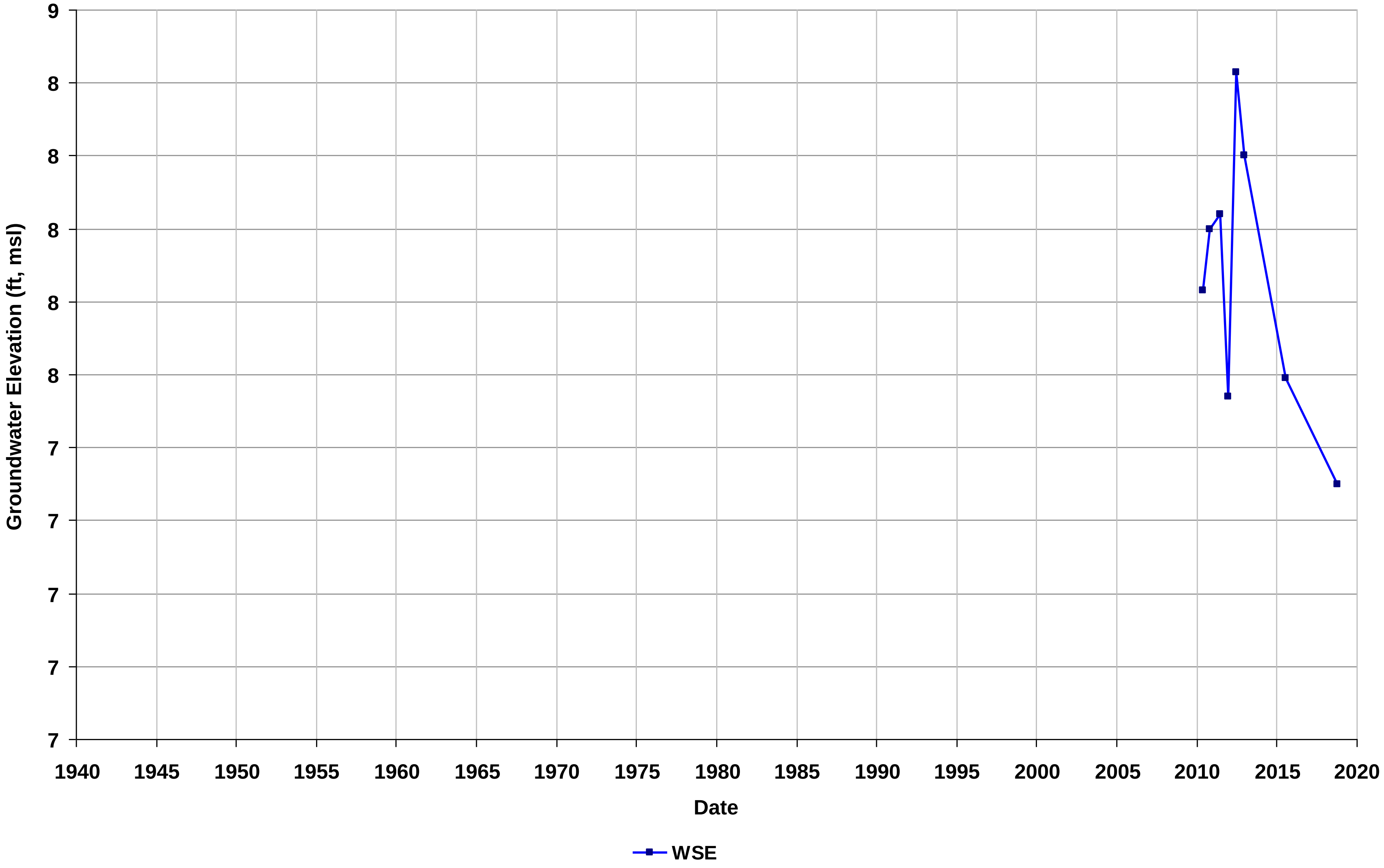
Well Name: SLT2O07076-MWX-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/15
Well Use: Observation



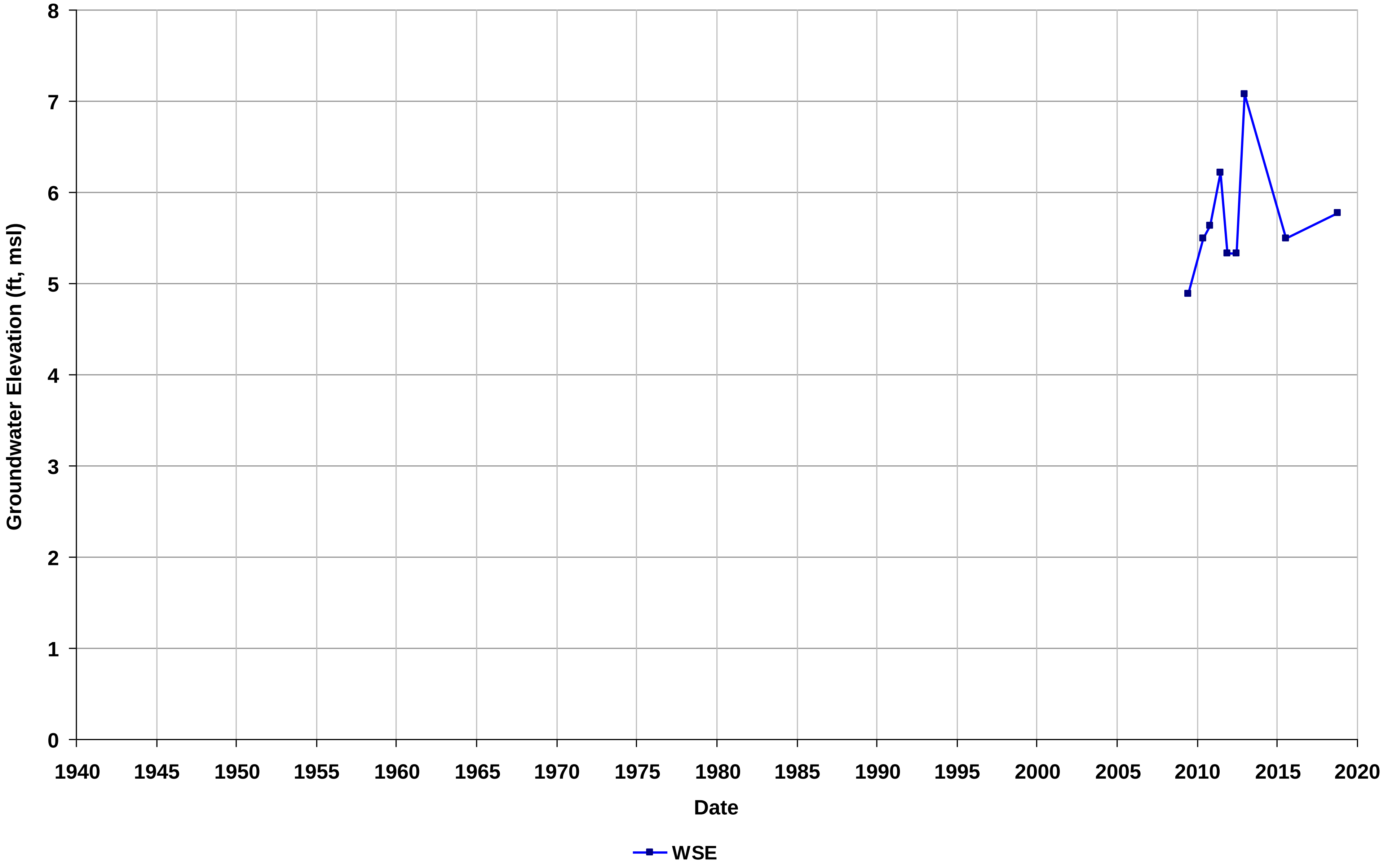
Well Name: SLT2O07076-MWX-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/15
Well Use: Observation



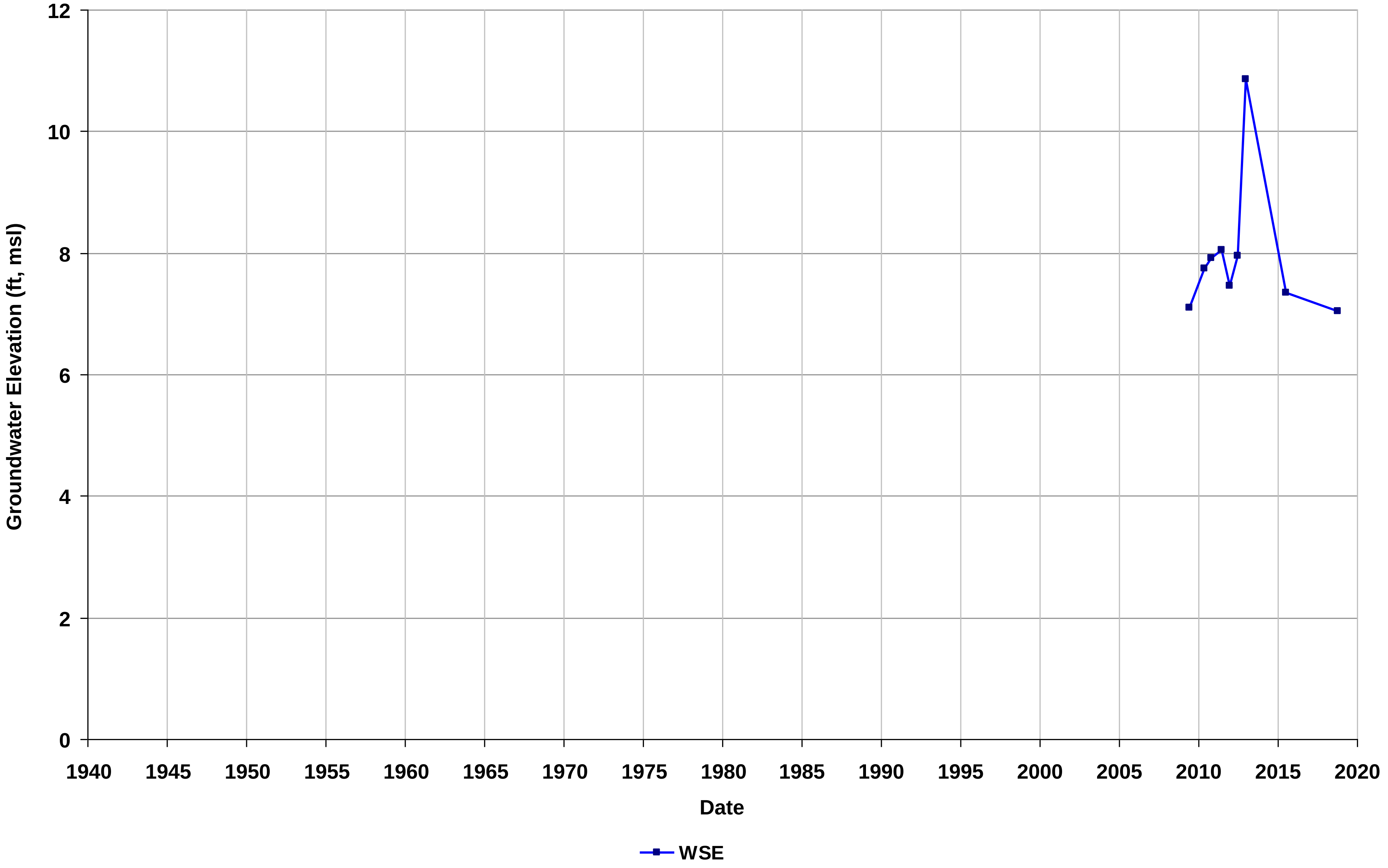
Well Name: SLT2O07076-MWX-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/15
Well Use: Observation



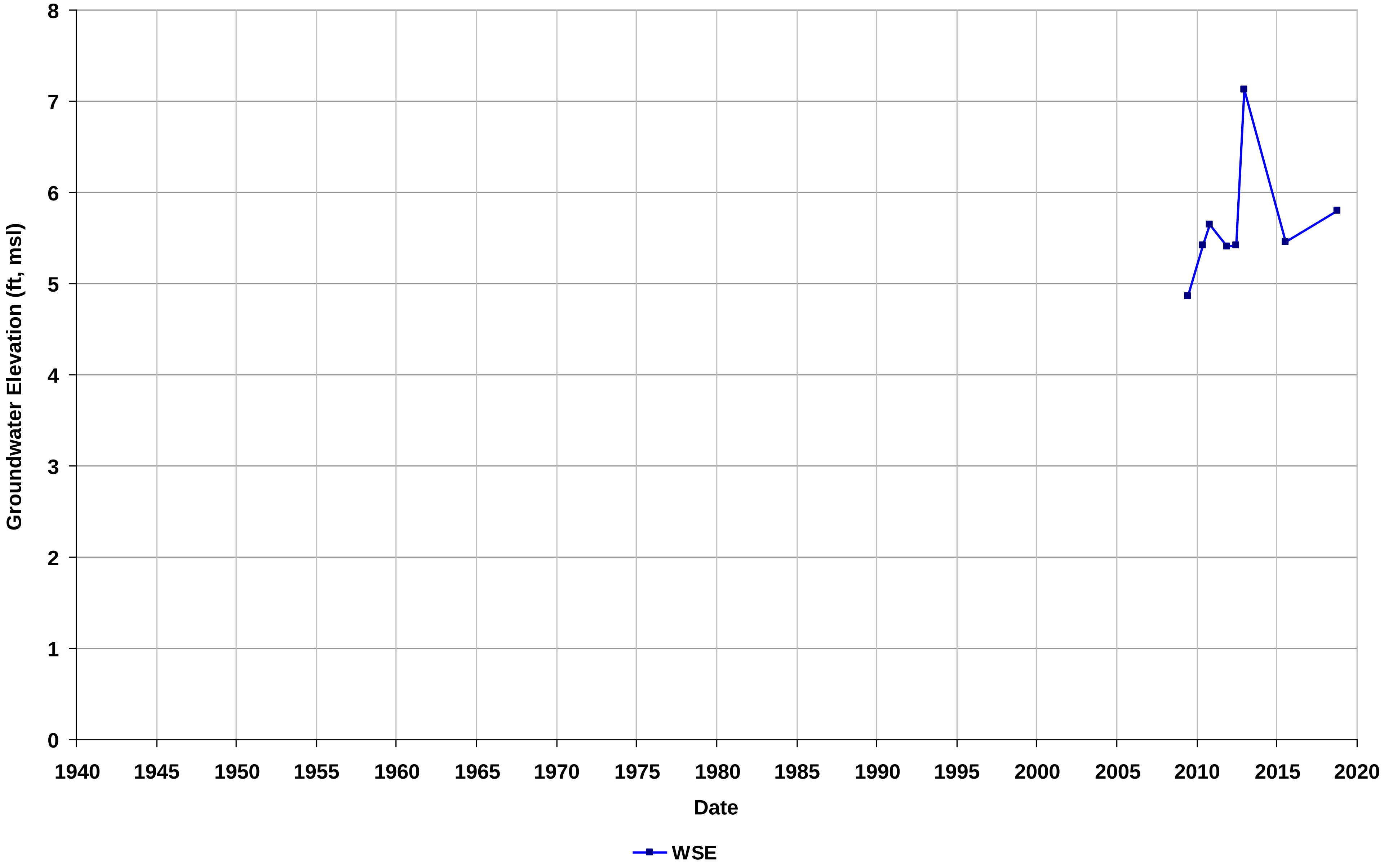
Well Name: SLT2O07076-MWX-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/15
Well Use: Observation



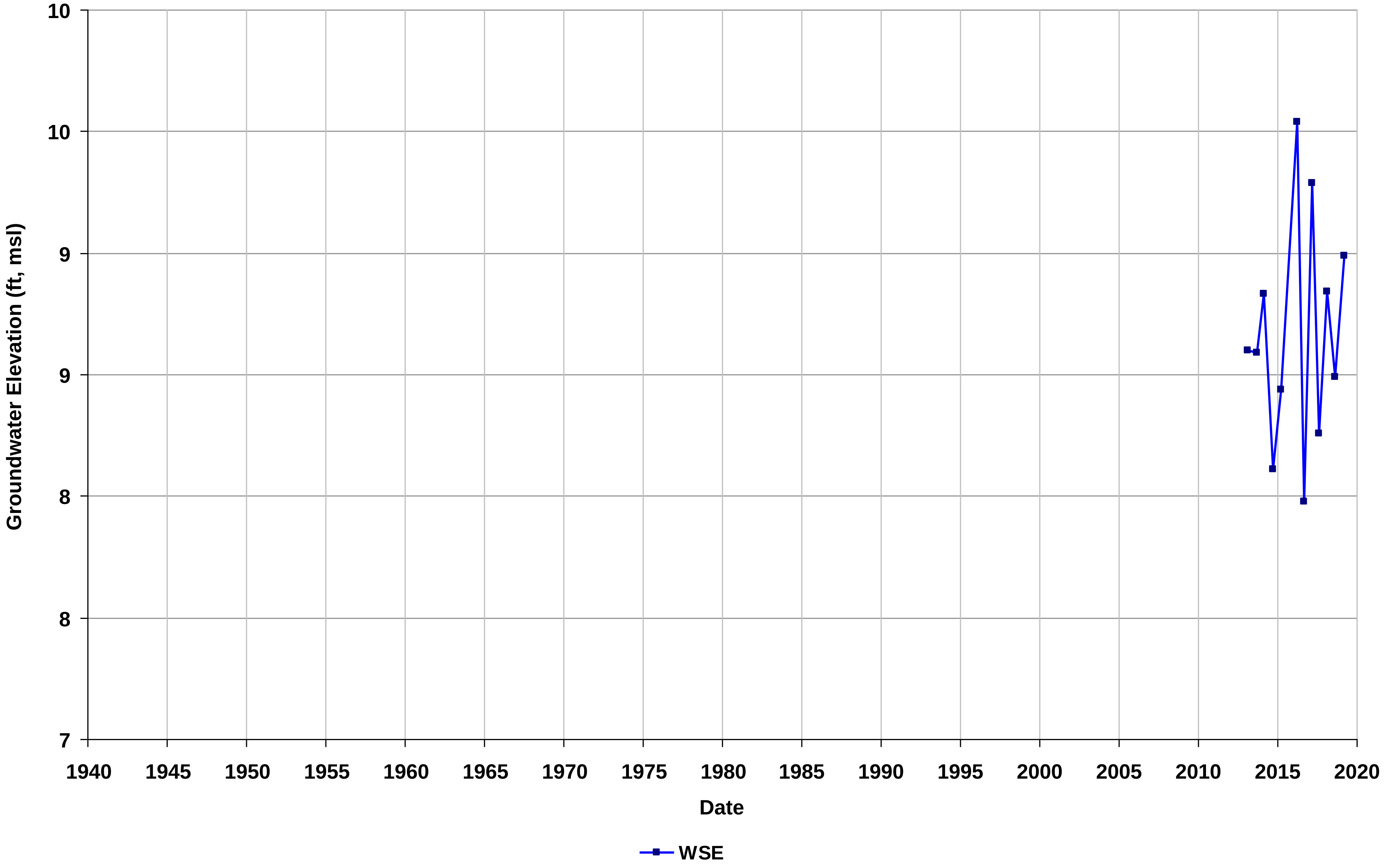
Well Name: SLT2O07076-MWX-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/15
Well Use: Observation



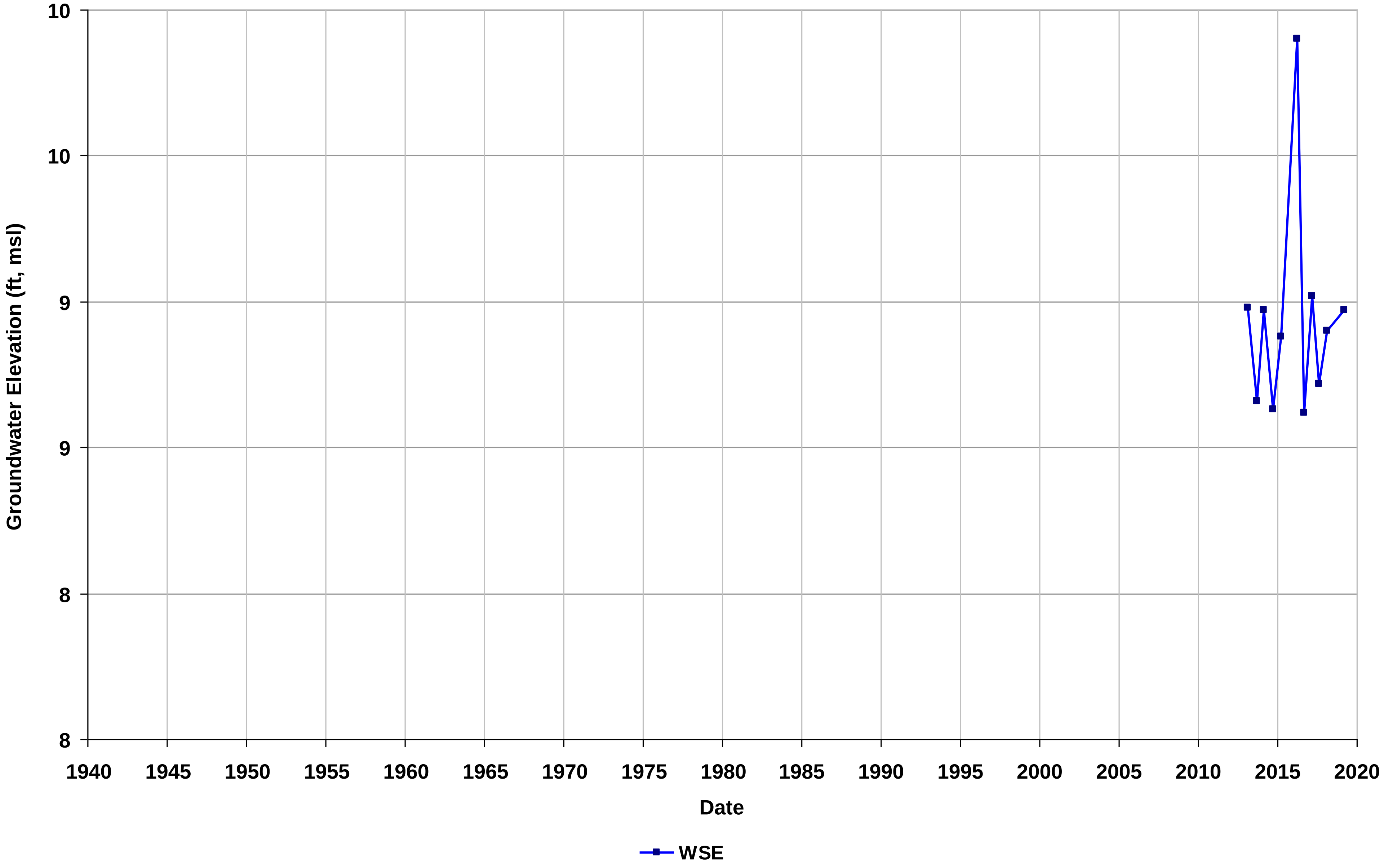
Well Name: SLT2O235331-MW-31
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



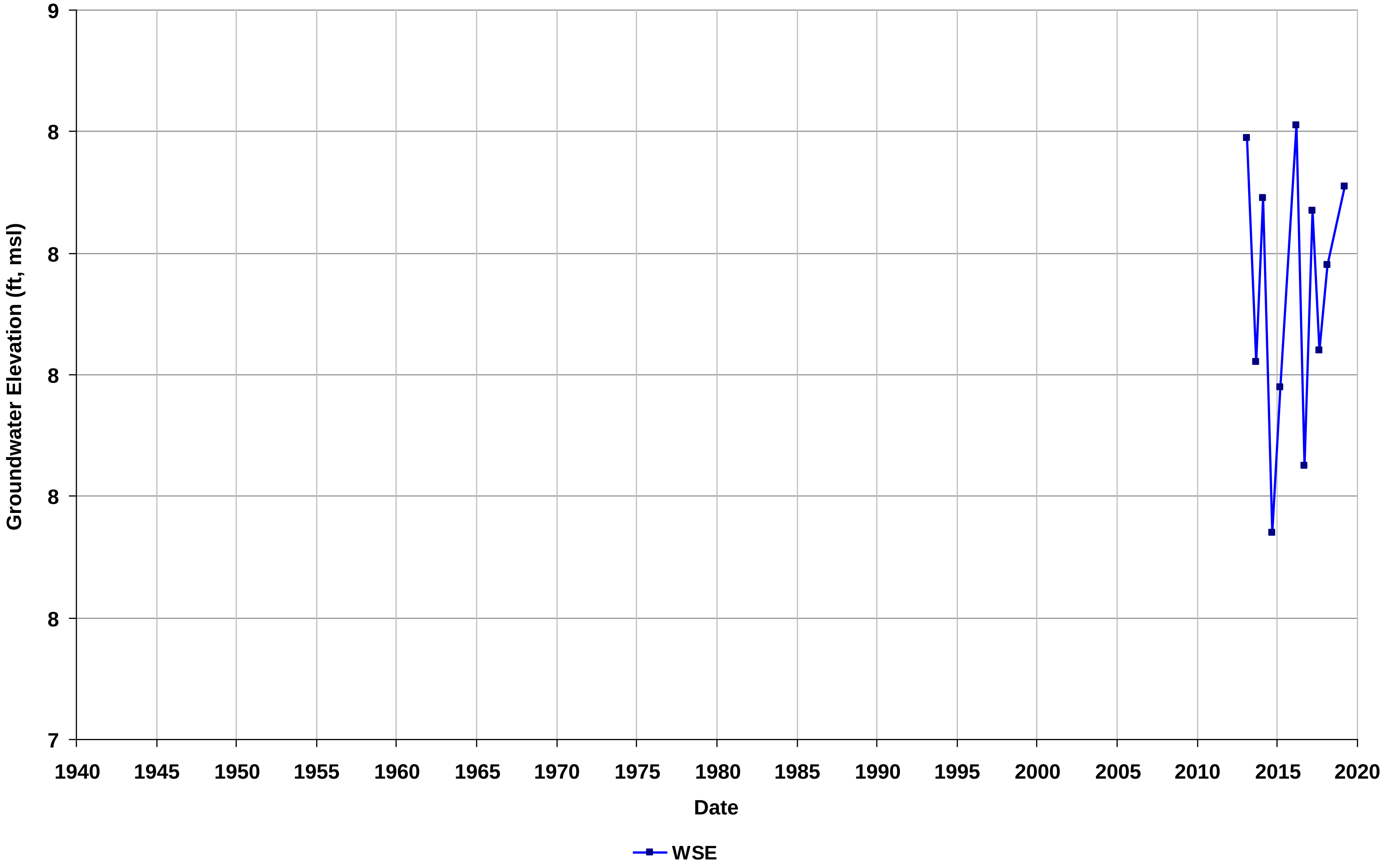
Well Name: SLT2O235331-MW-32
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



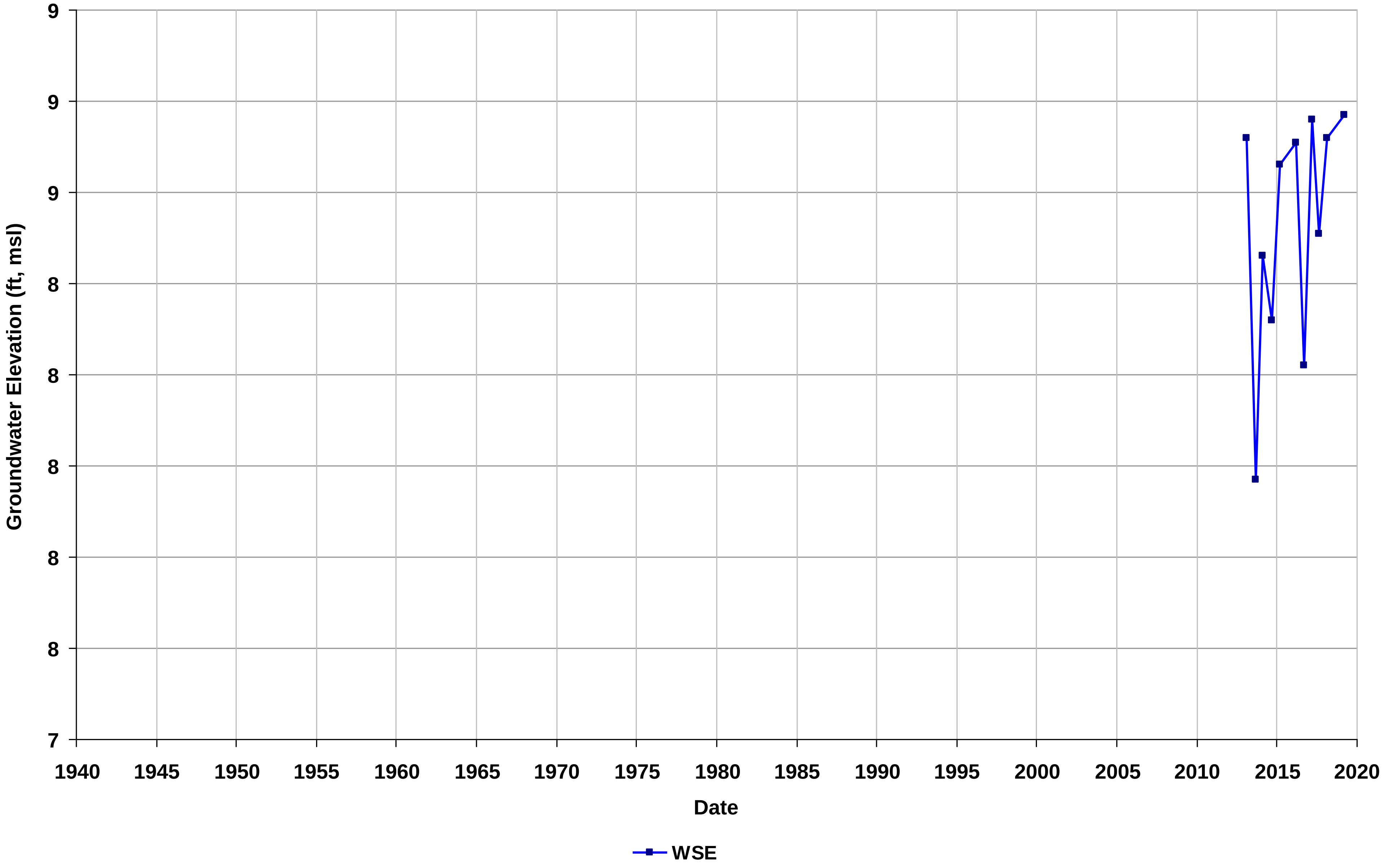
Well Name: SLT2O235331-MW-33
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



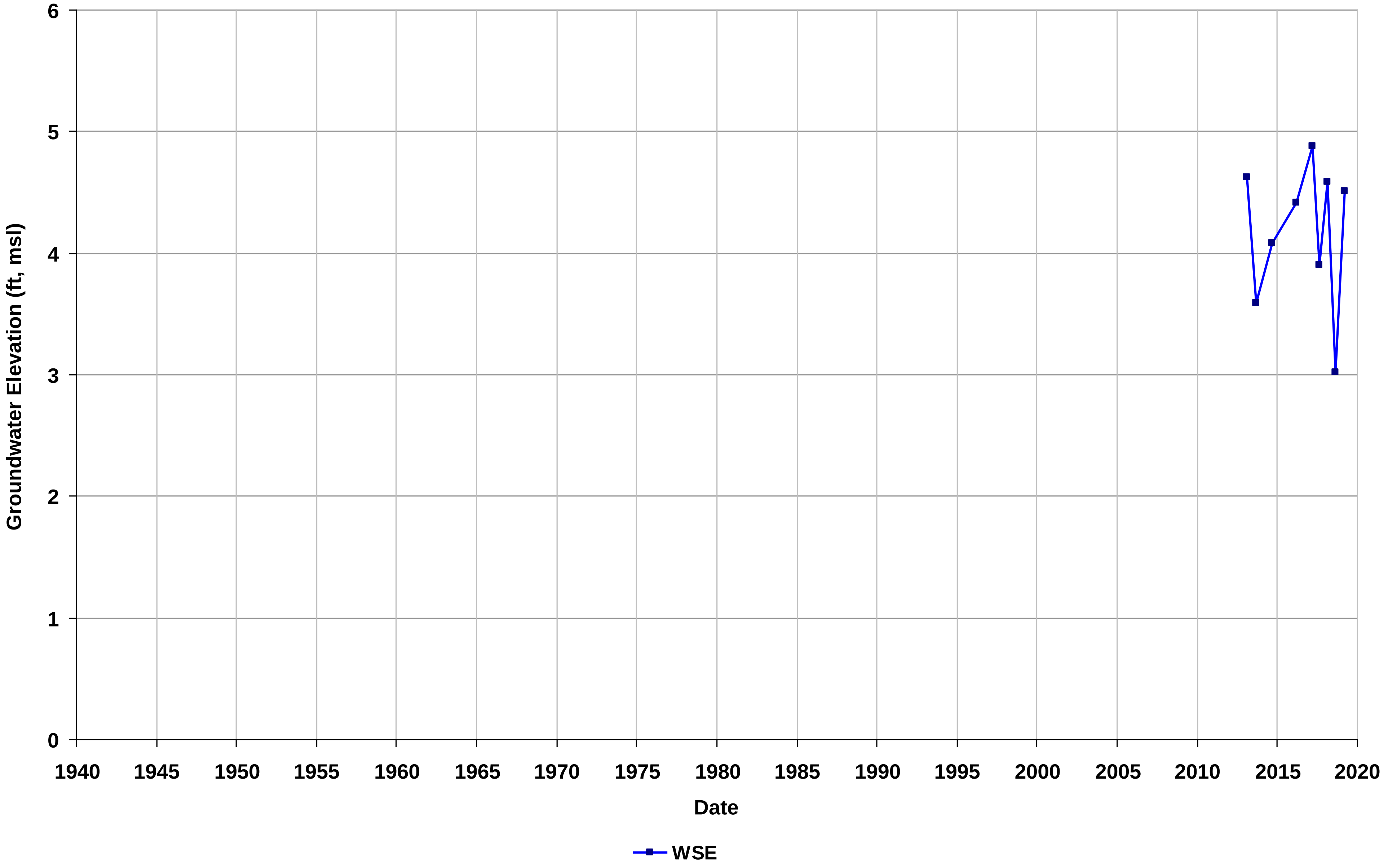
Well Name: SLT2O235331-MW-34
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



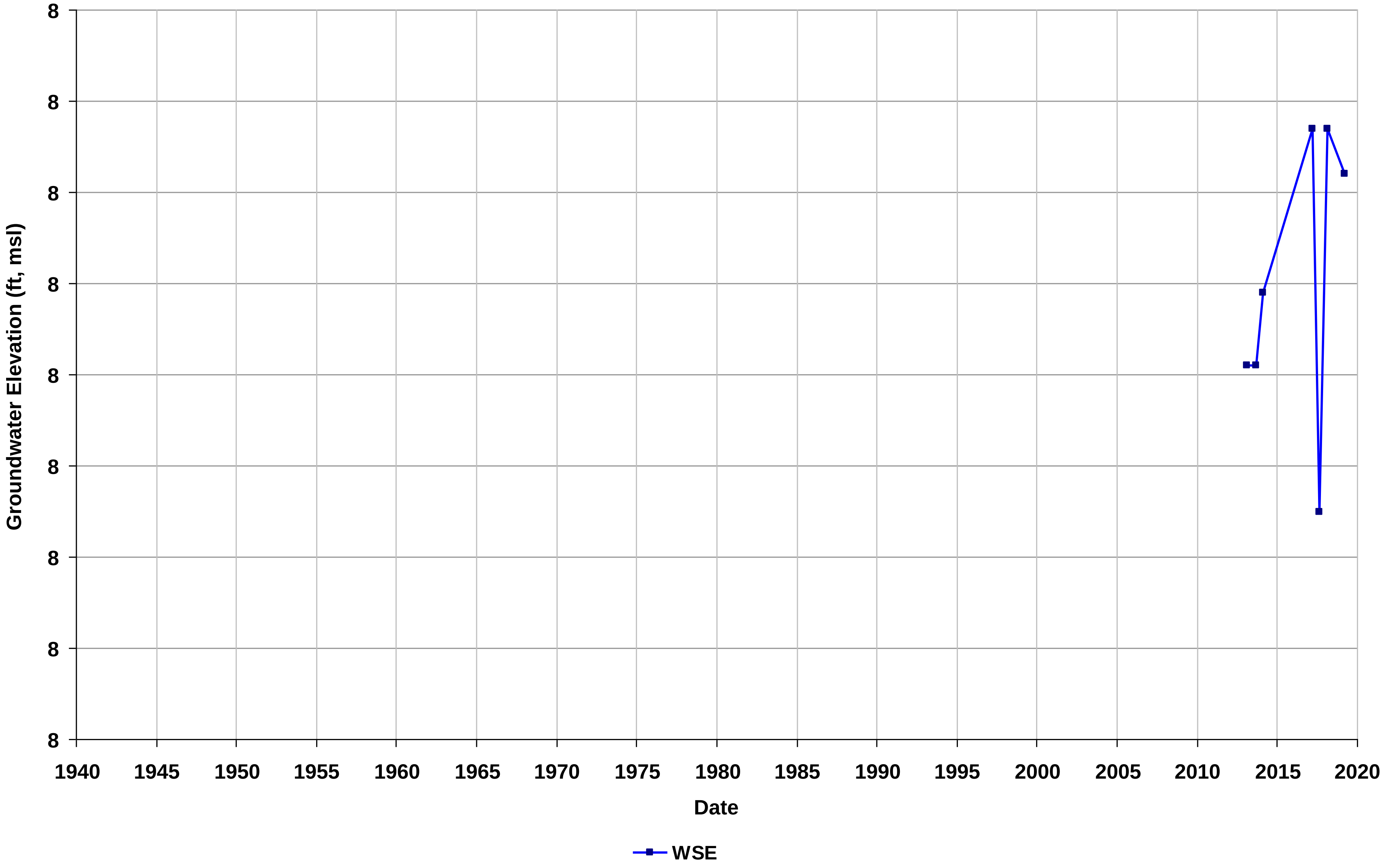
Well Name: SLT2O235331-MW-35
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



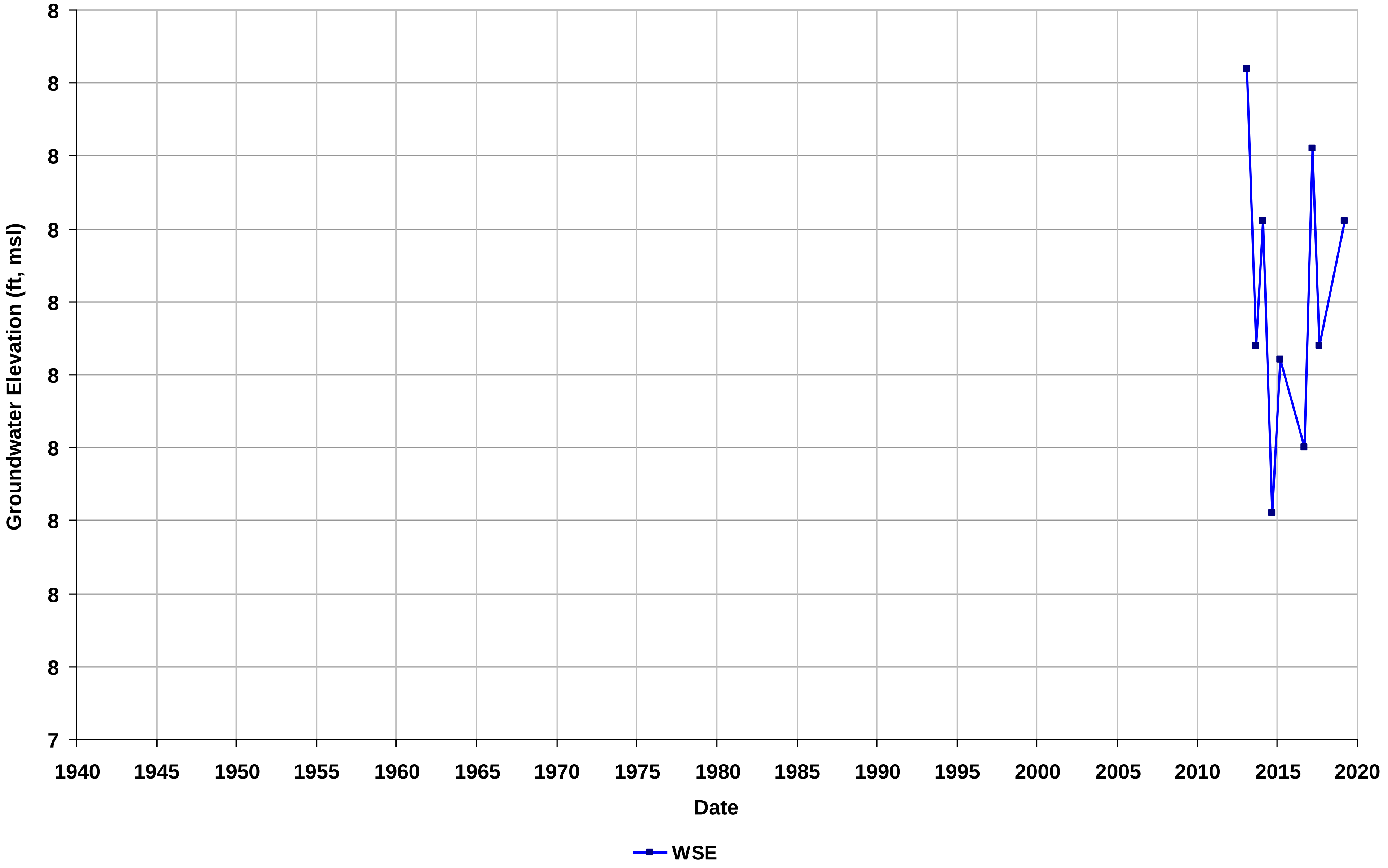
Well Name: SLT2O235331-OW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



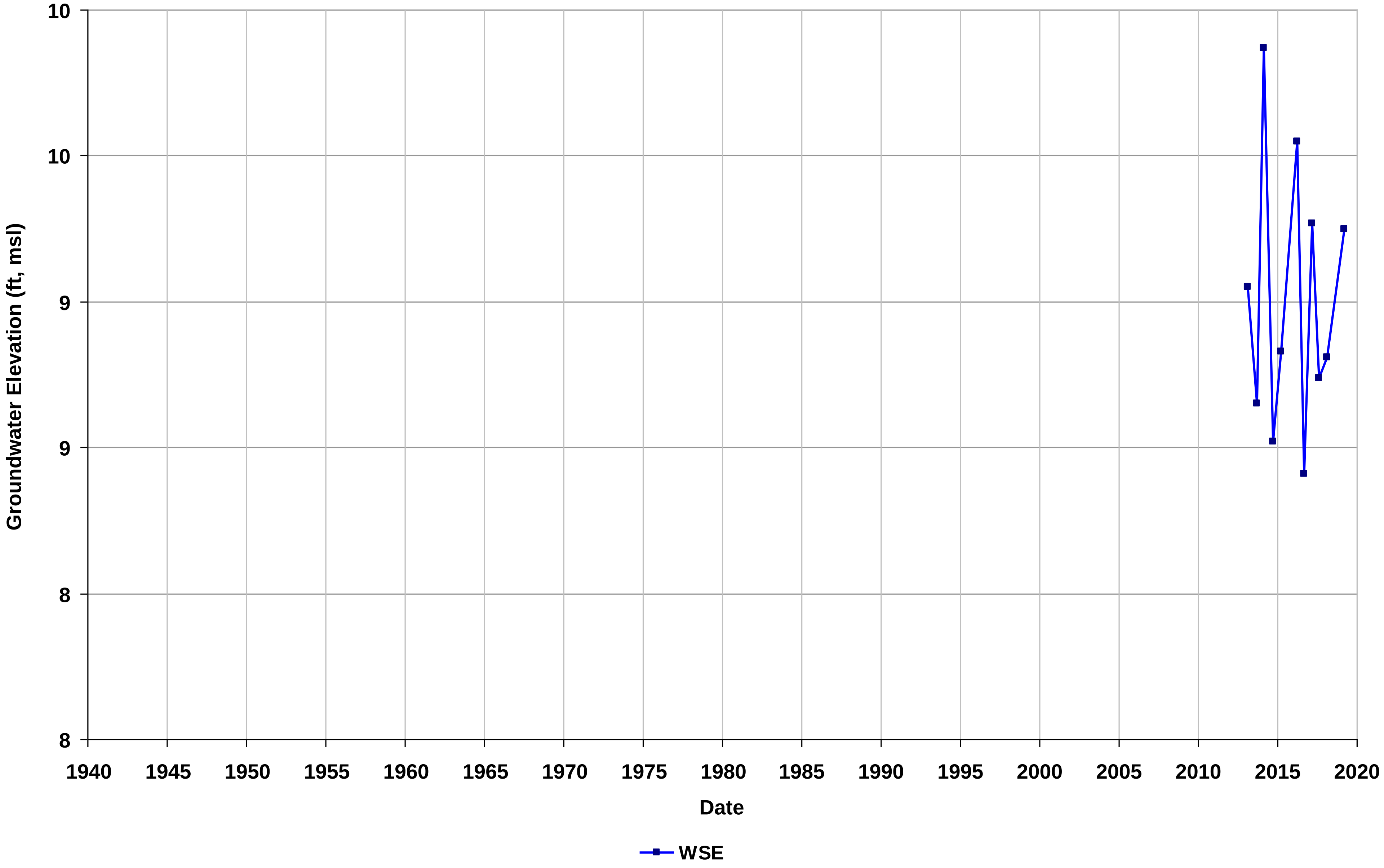
Well Name: SLT2O235331-OW-12
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



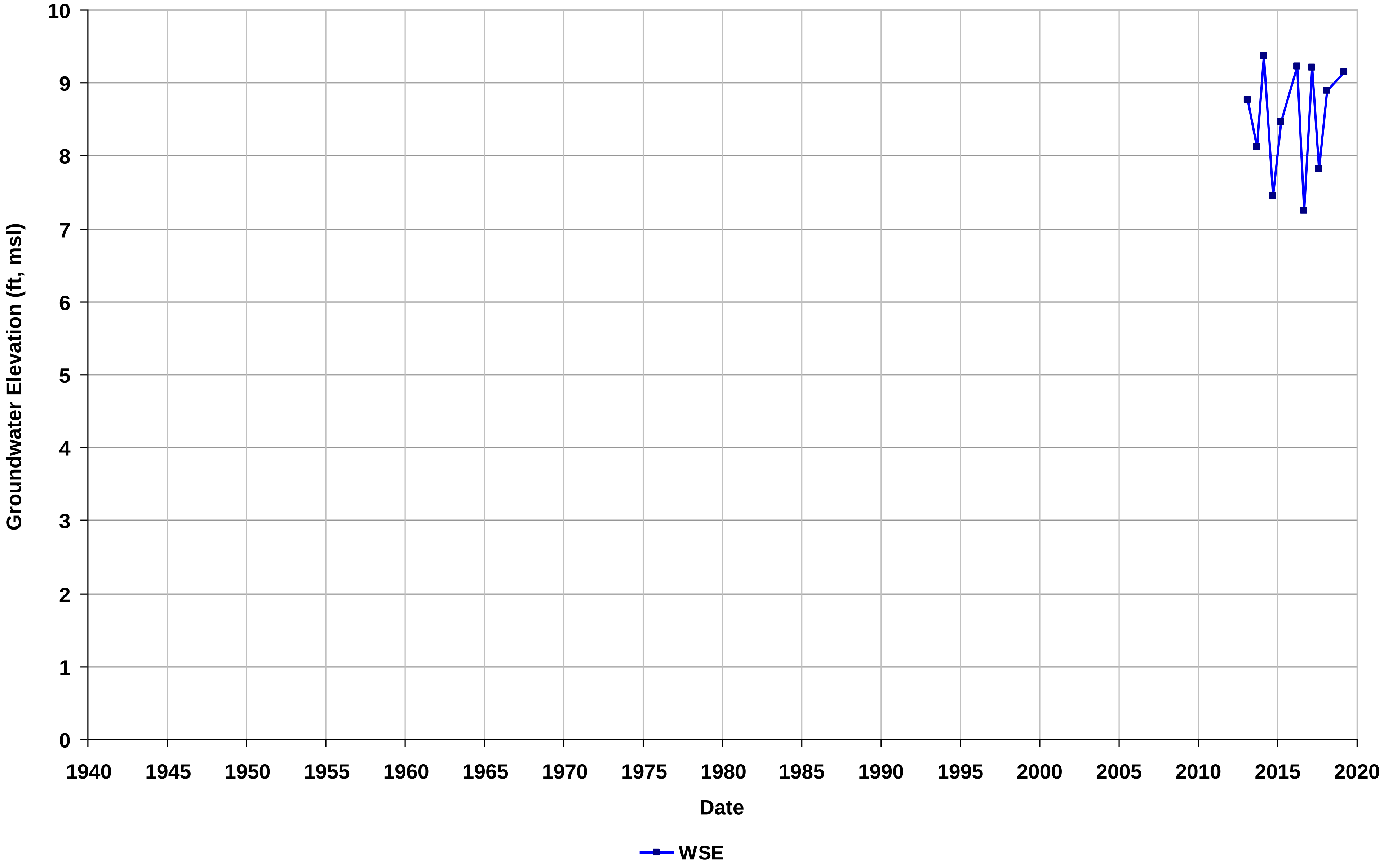
Well Name: SLT2O235331-OW-17
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



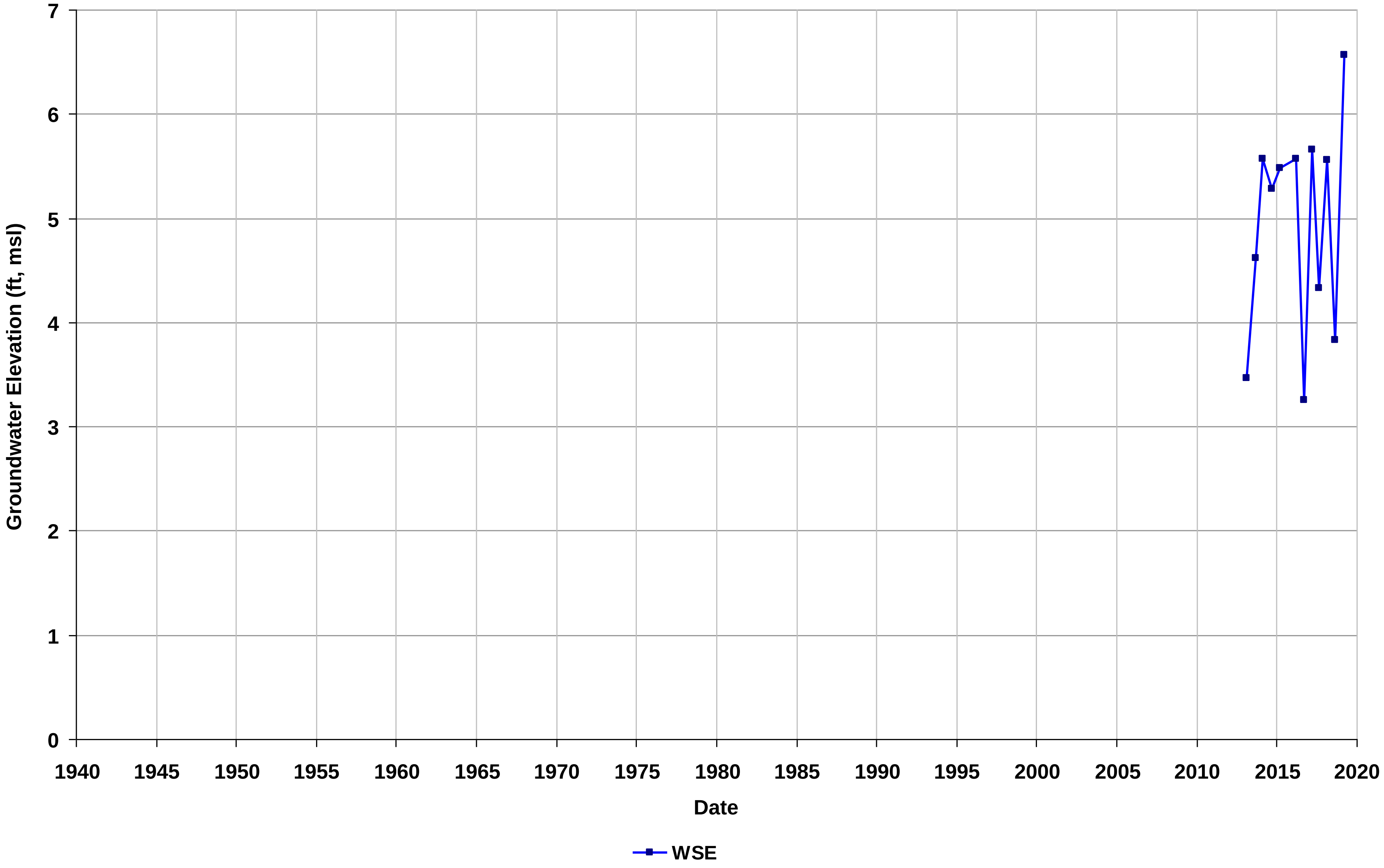
Well Name: SLT2O235331-OW-18
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



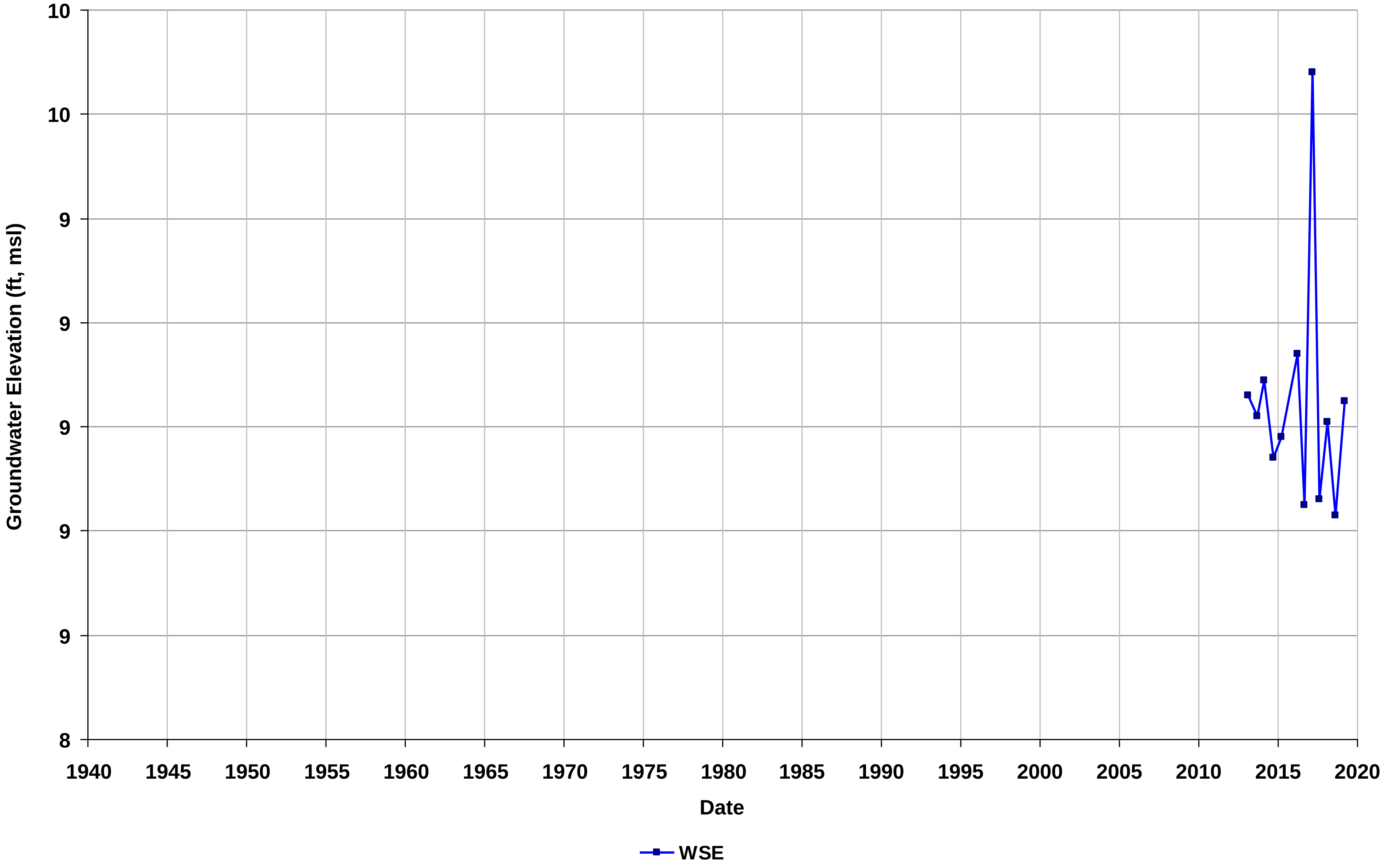
Well Name: SLT2O235331-OW-19
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



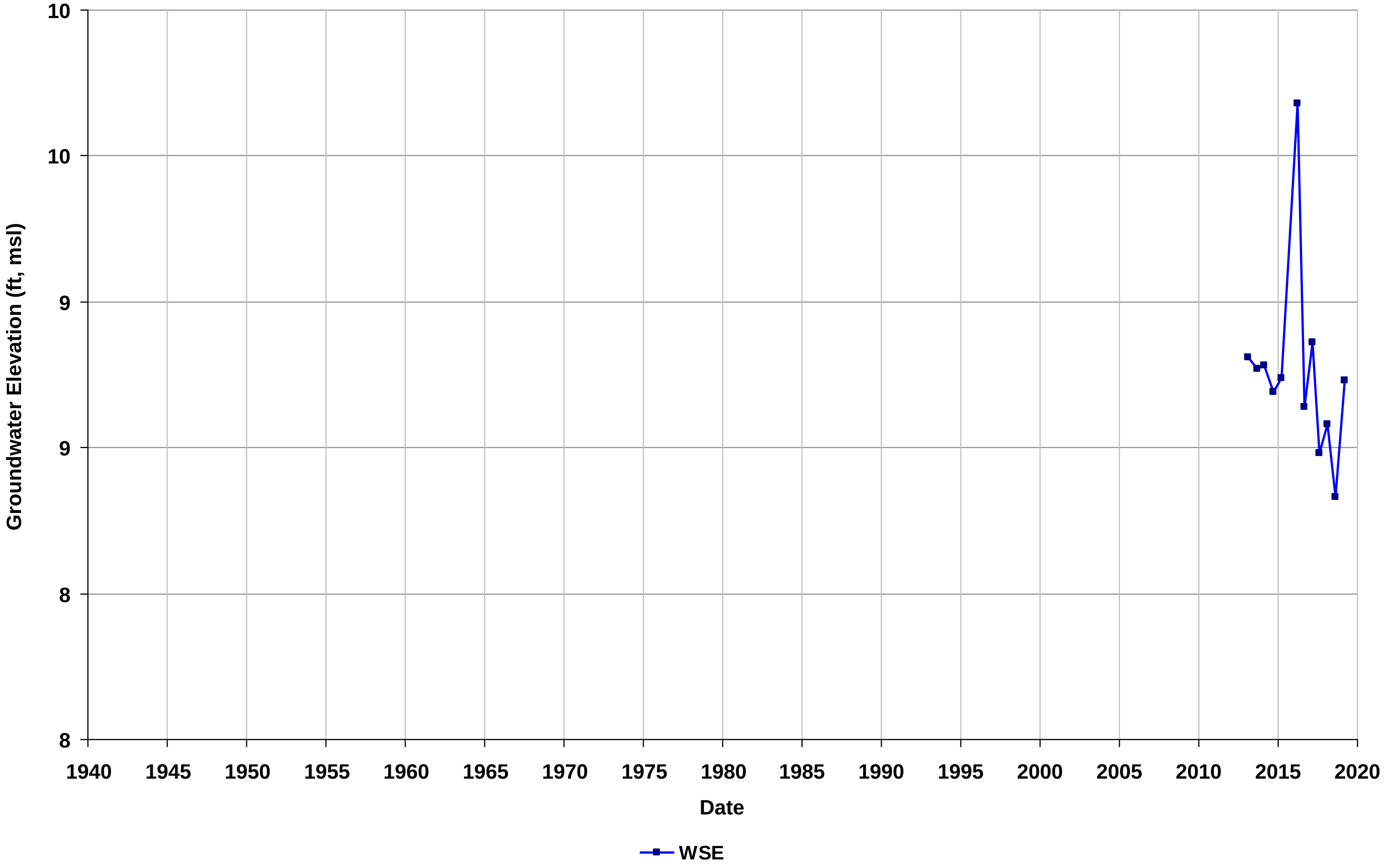
Well Name: SLT2O235331-OW-21
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



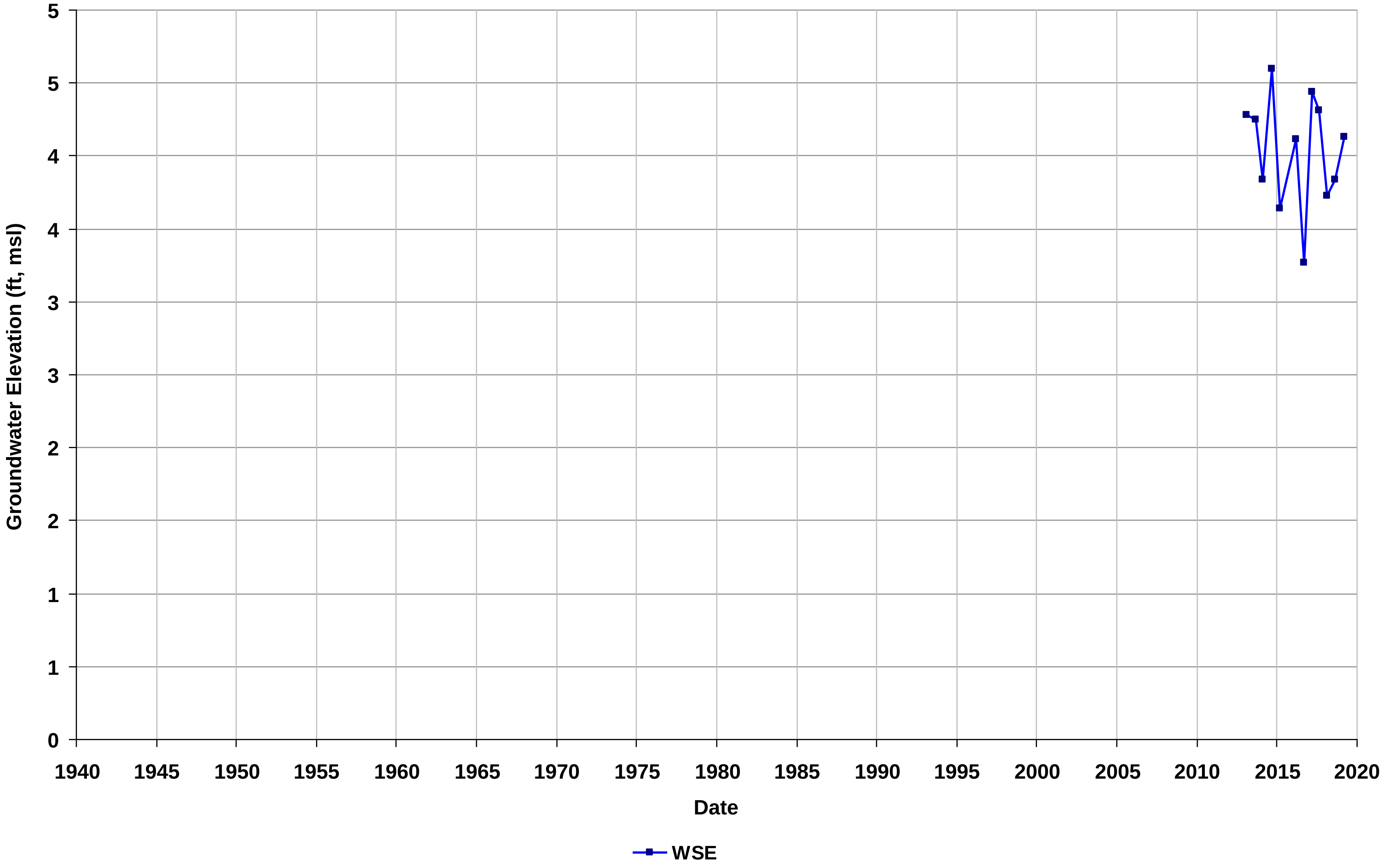
Well Name: SLT2O235331-OW-23
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



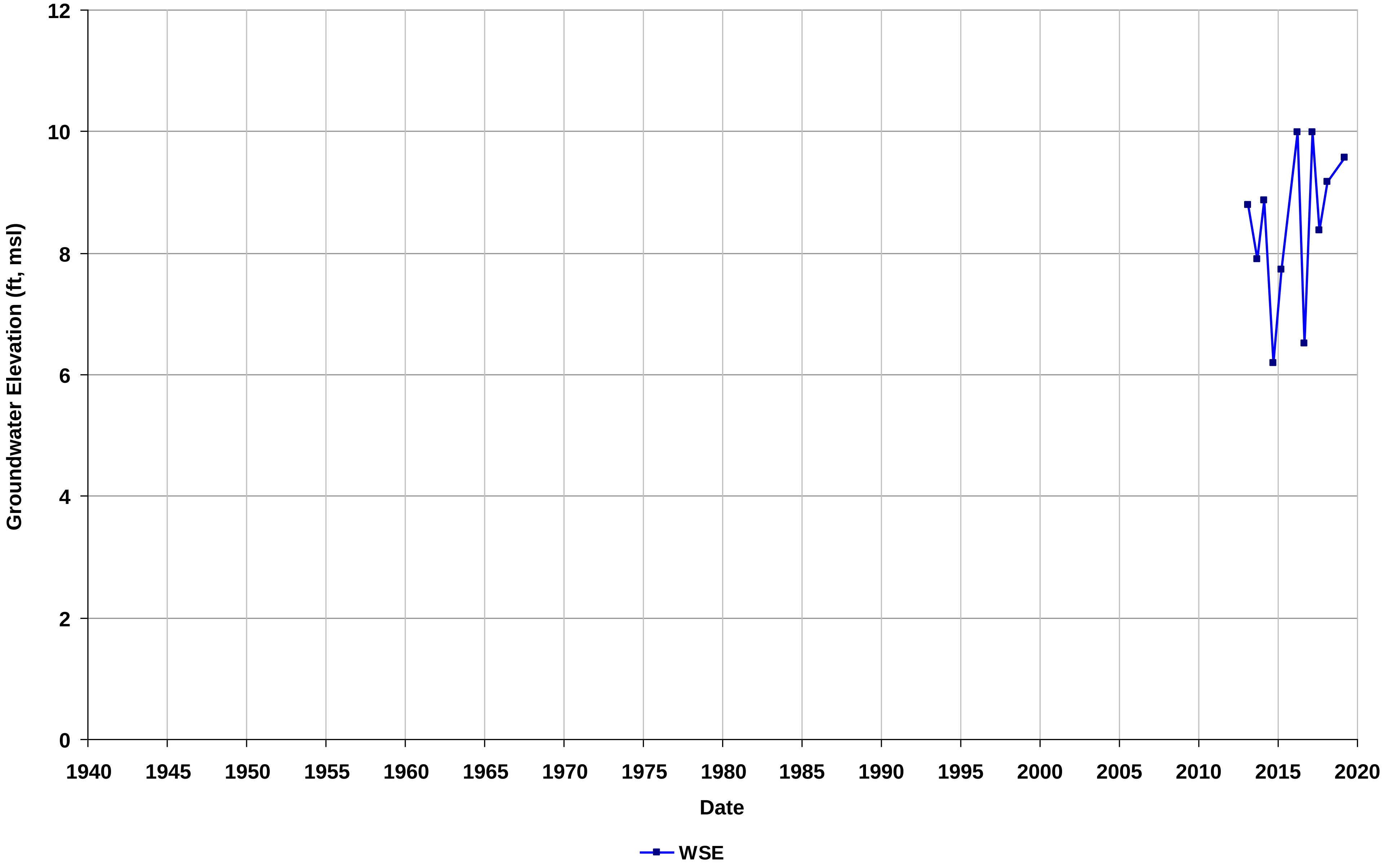
Well Name: SLT2O235331-OW-24
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



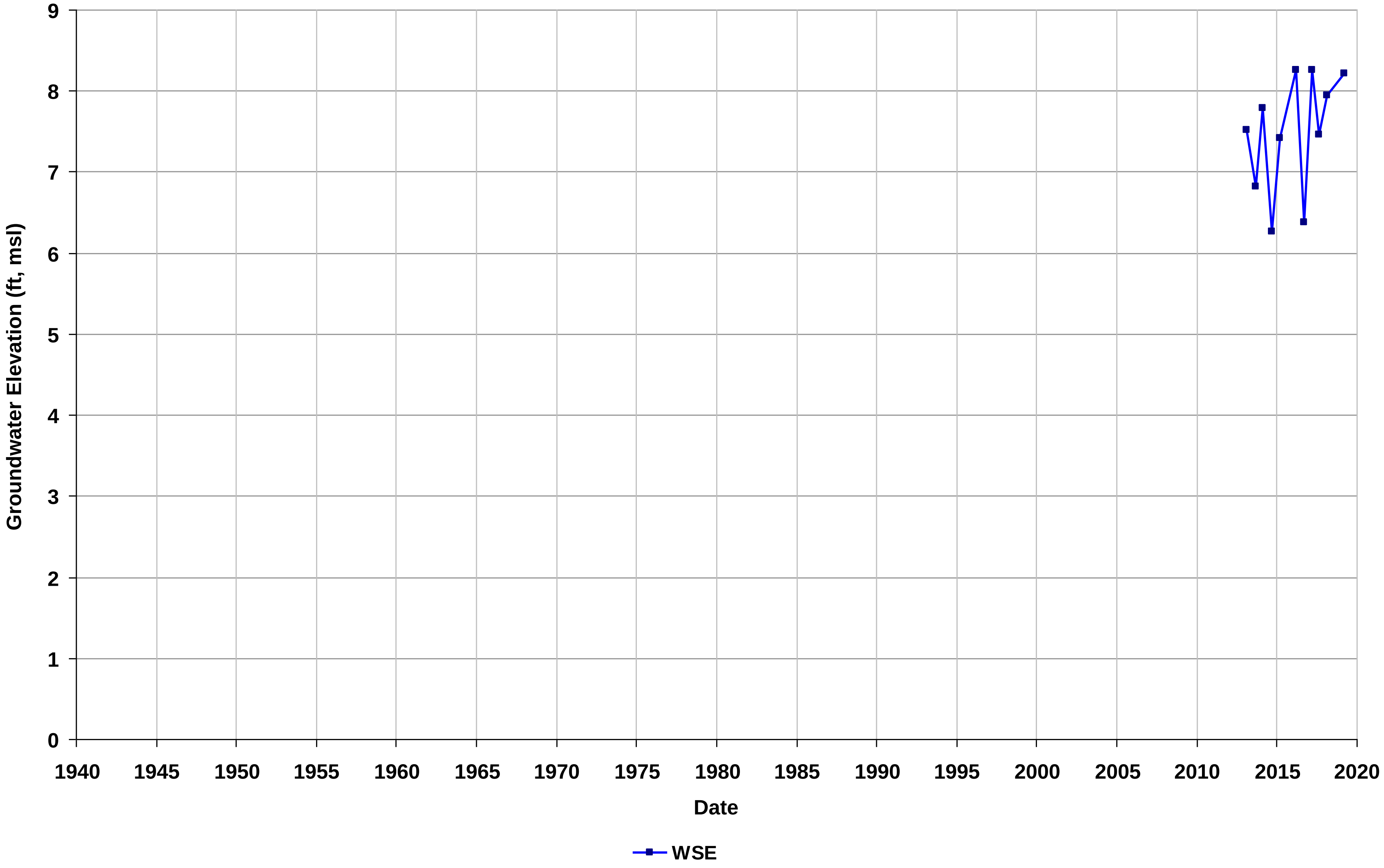
Well Name: SLT2O235331-OW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



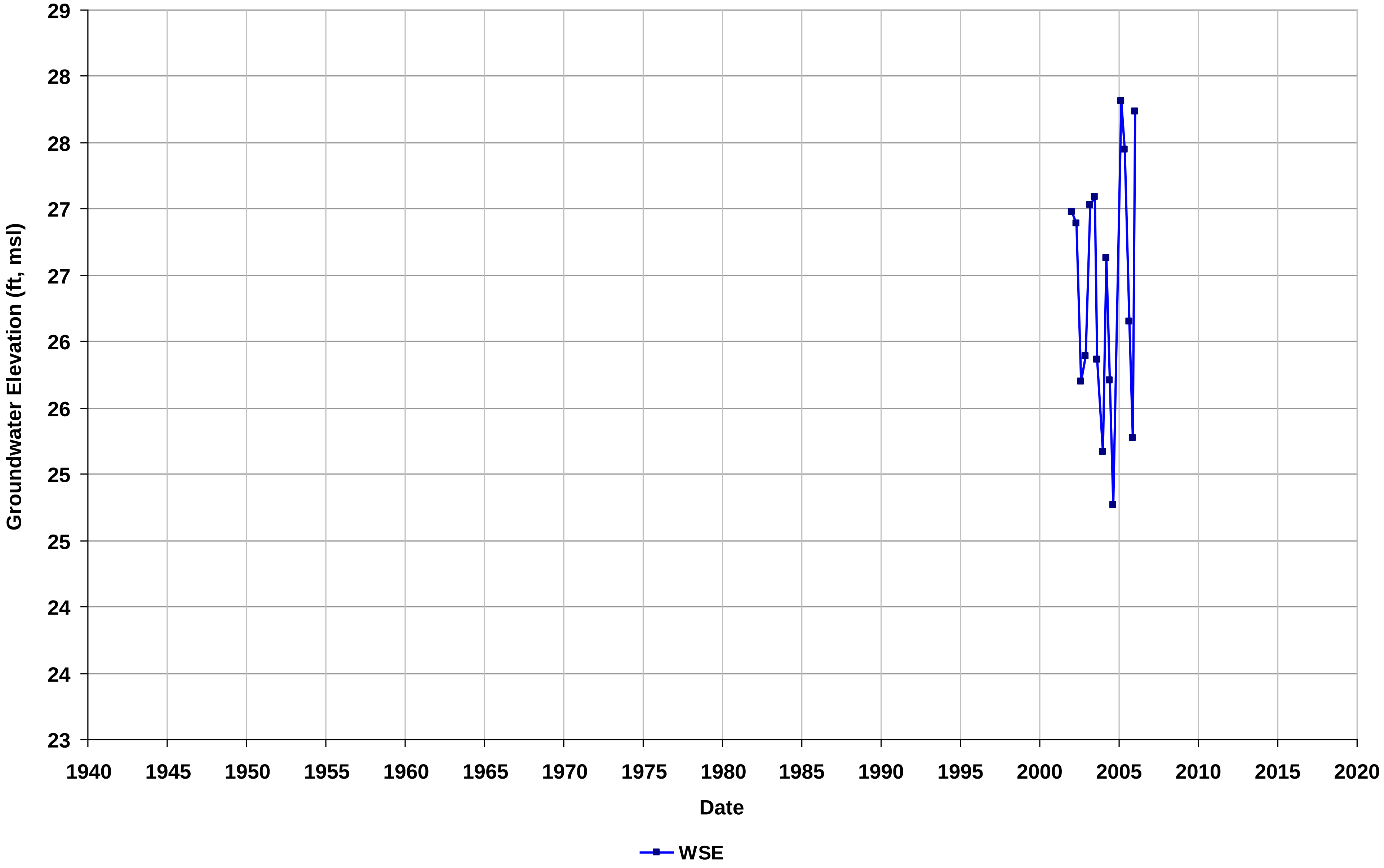
Well Name: SLT2O235331-OW-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



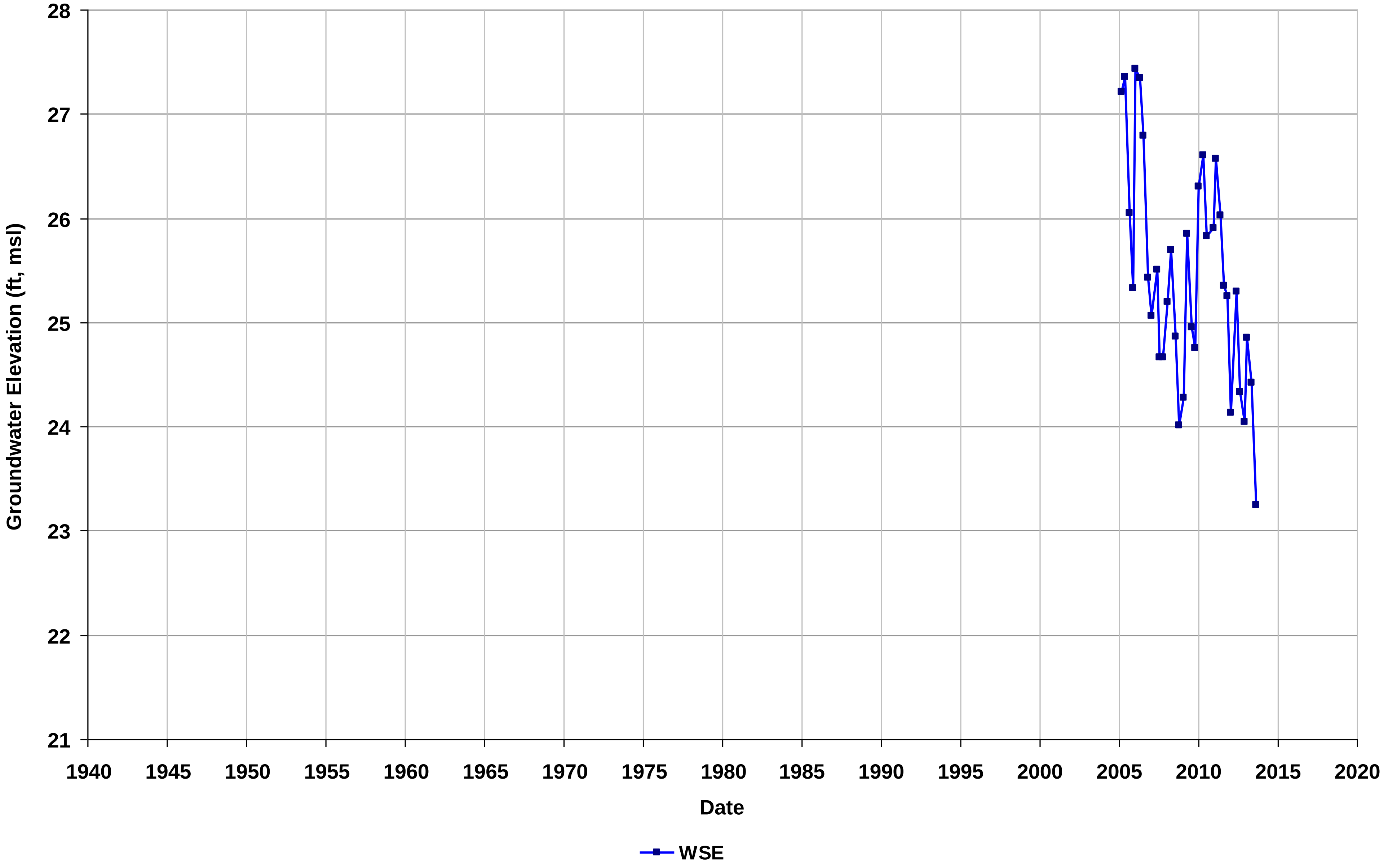
Well Name: T0600100003-MW-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



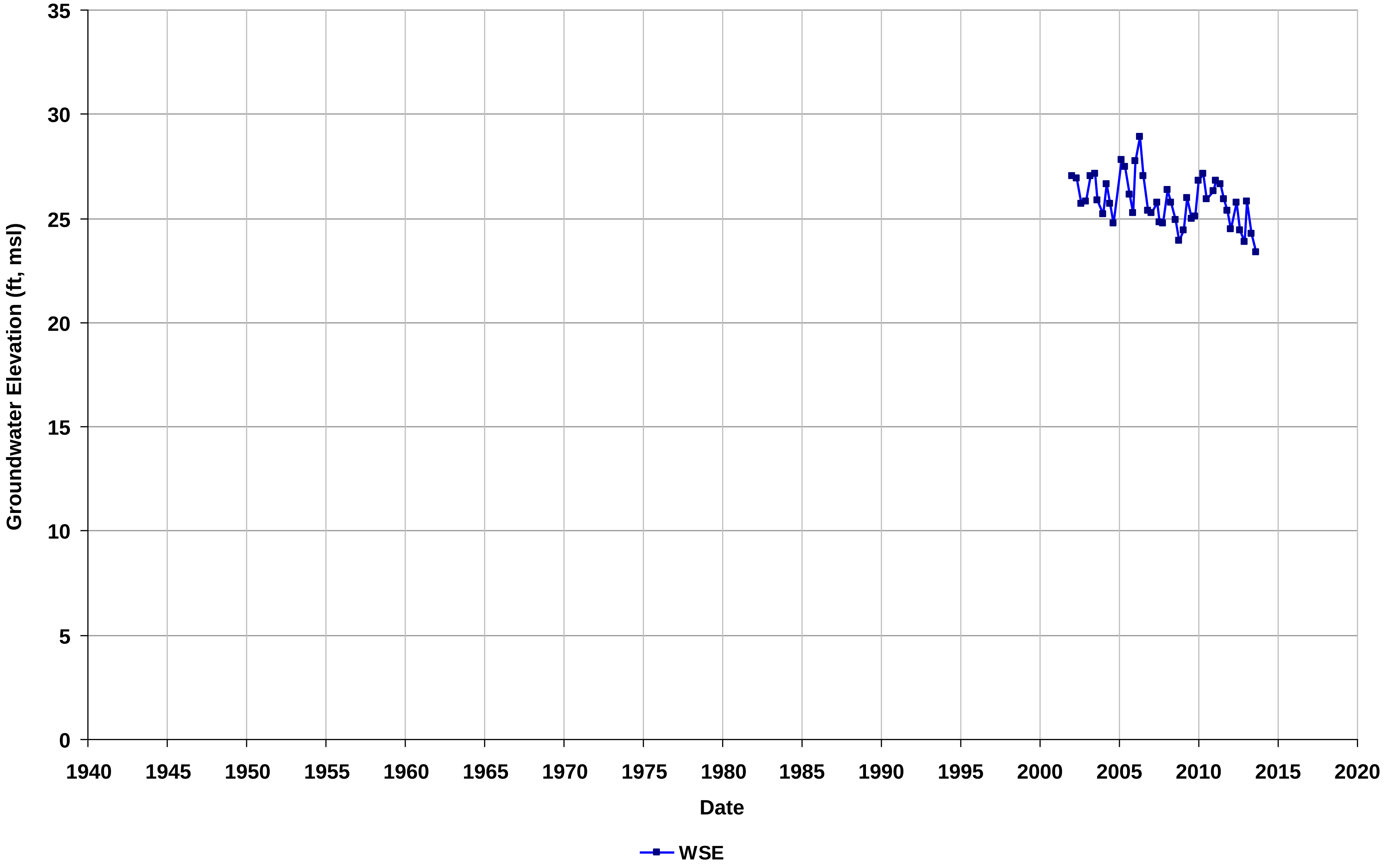
Well Name: T0600100003-MW-10D
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



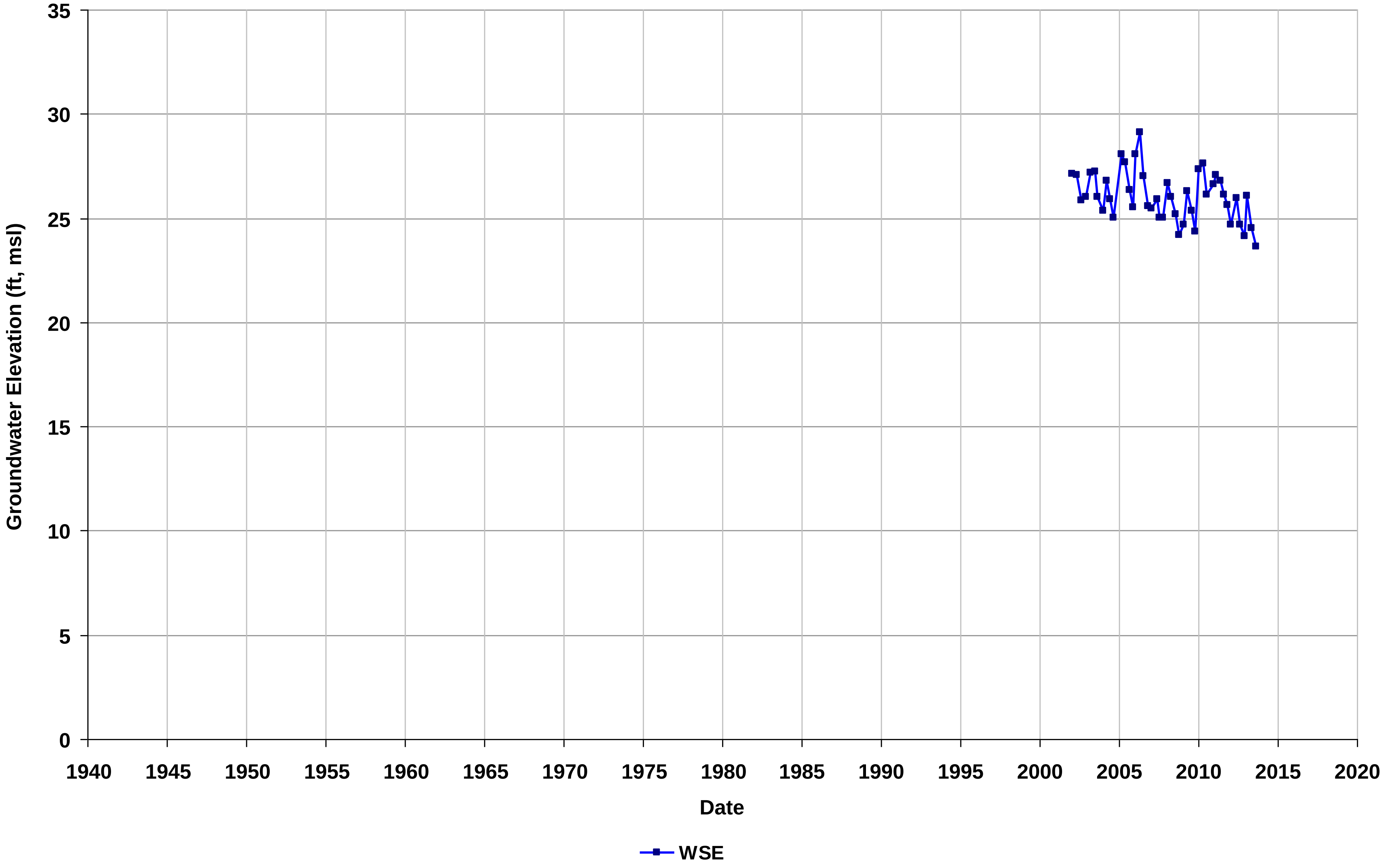
Well Name: T0600100003-MW-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



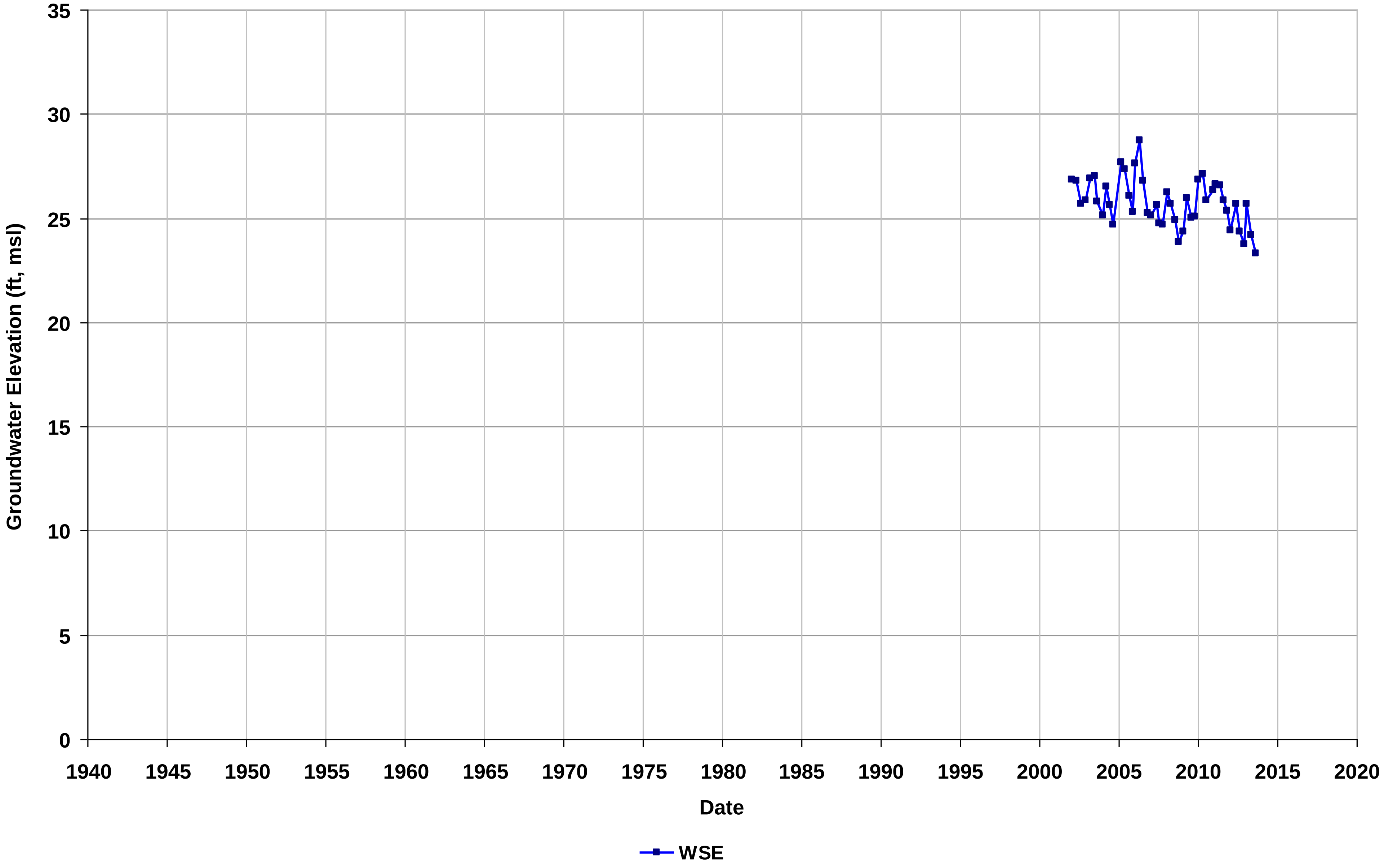
Well Name: T0600100003-MW-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



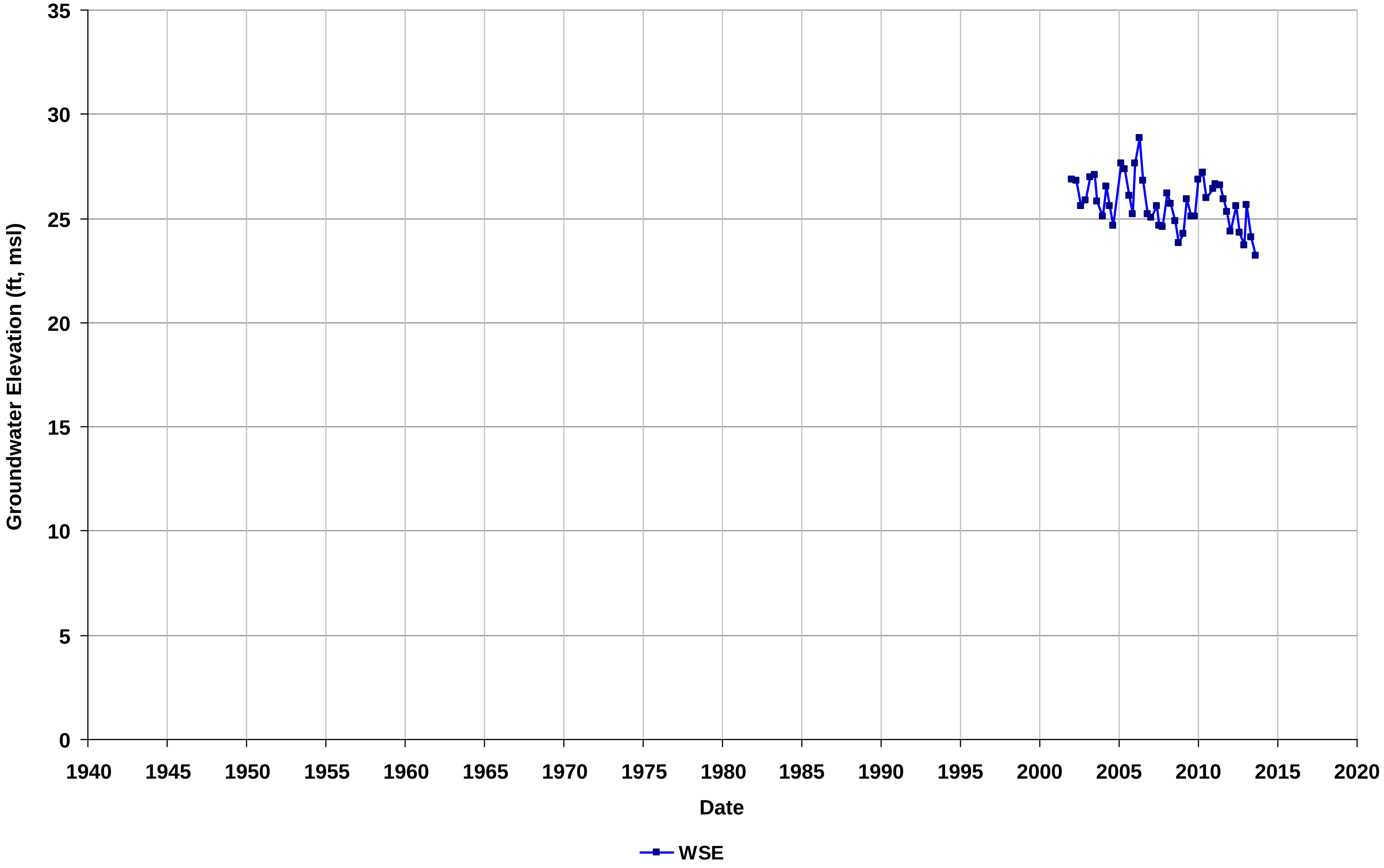
Well Name: T0600100003-MW-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



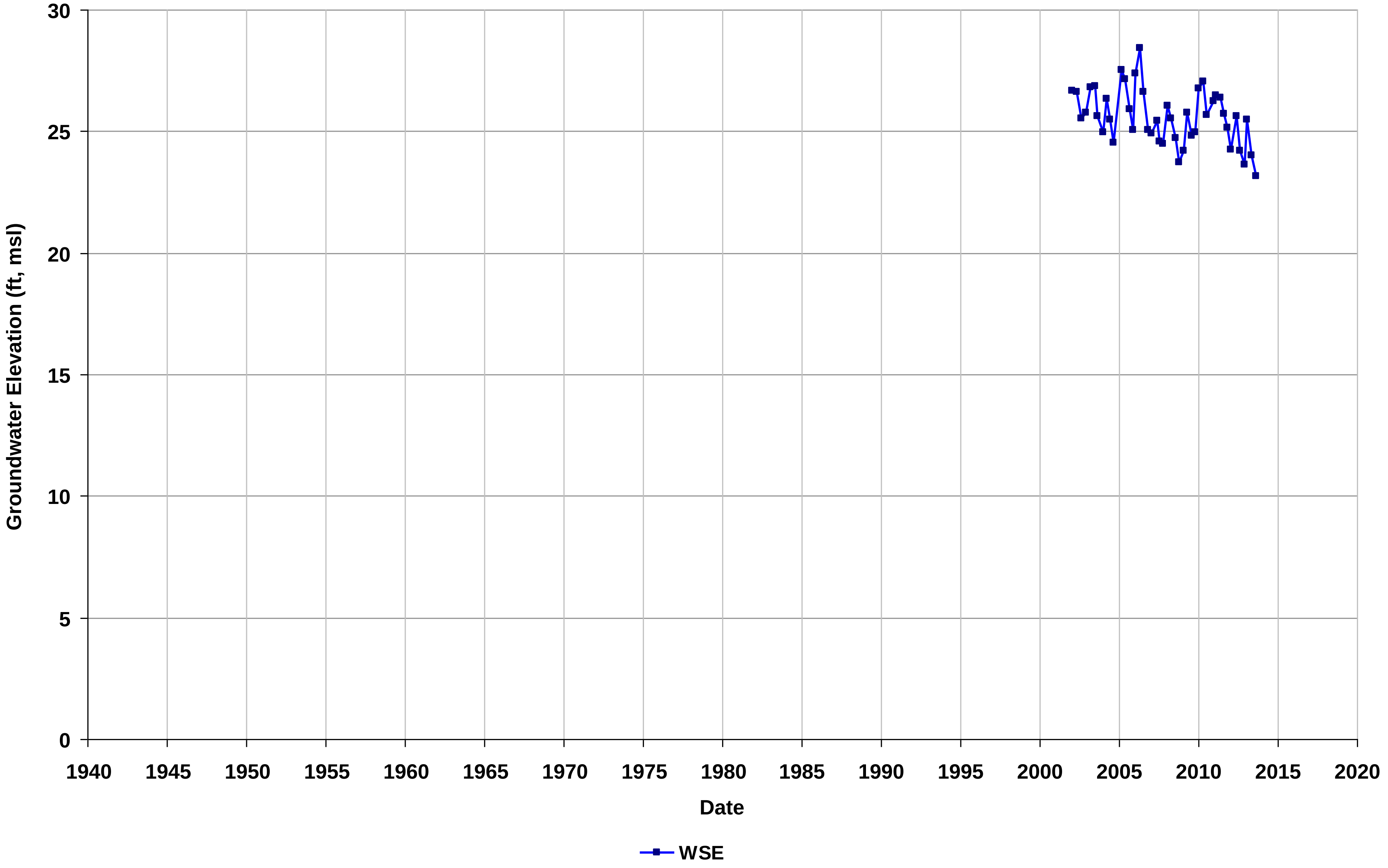
Well Name: T0600100003-MW-5
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



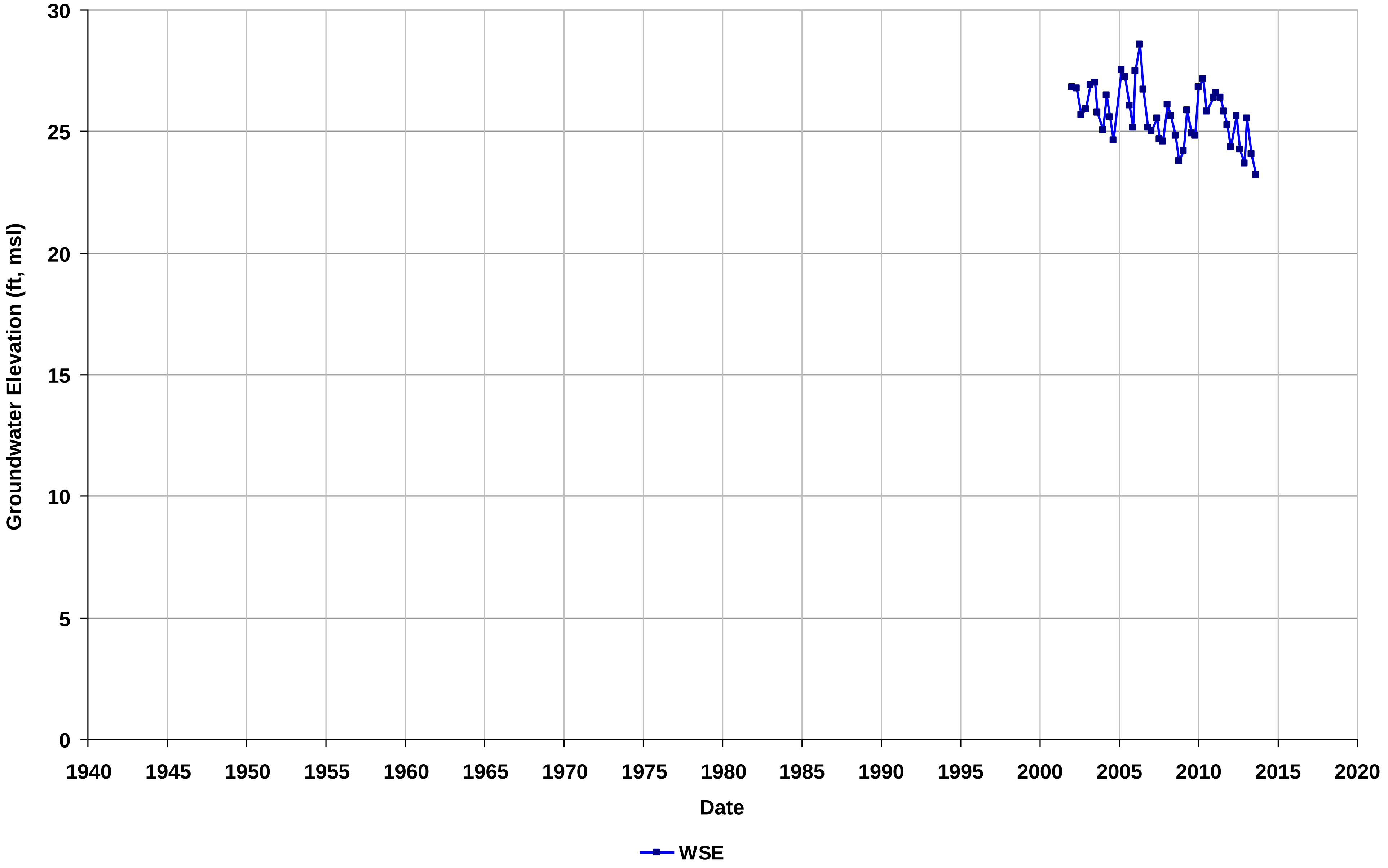
Well Name: T0600100003-MW-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



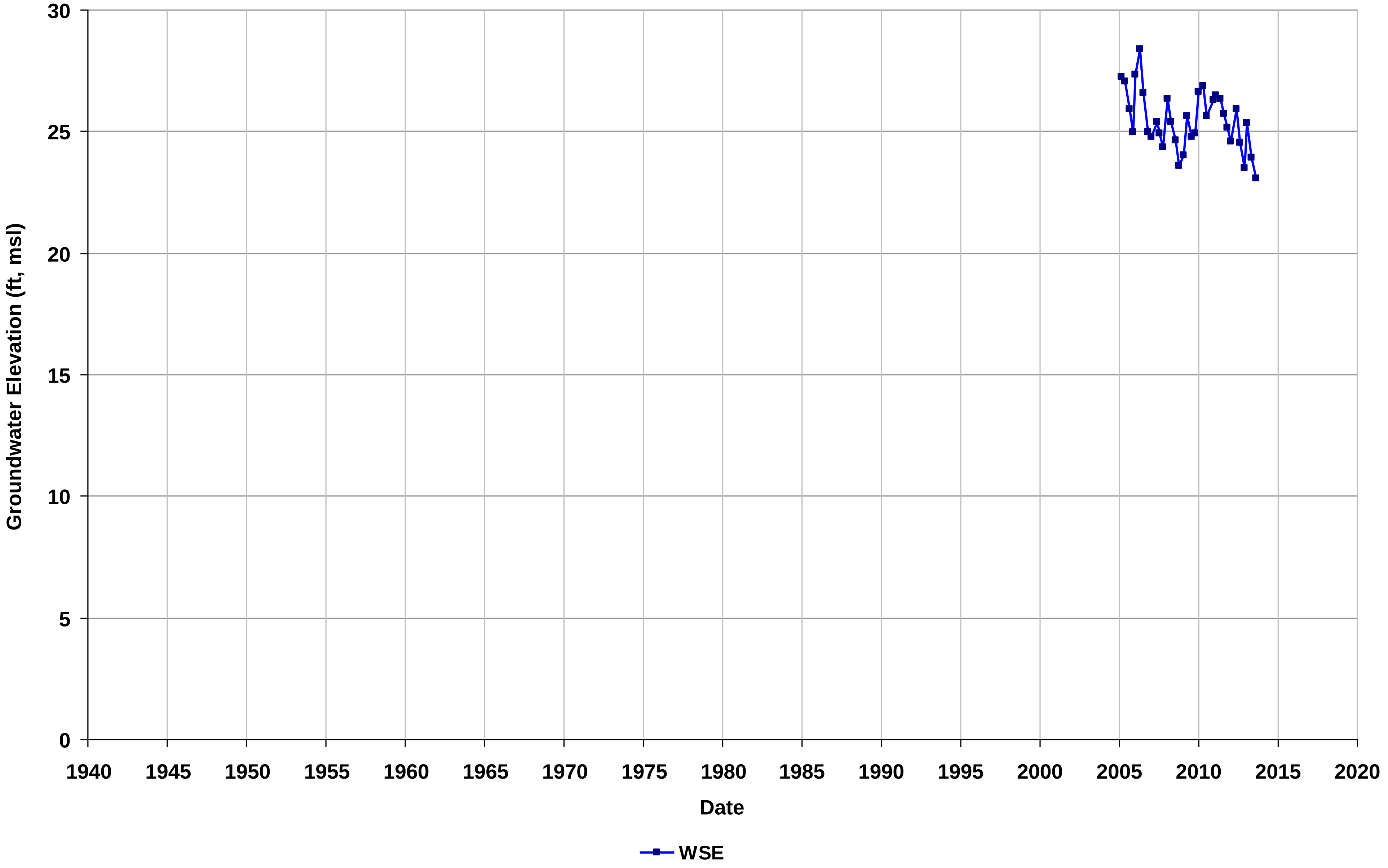
Well Name: T0600100003-MW-7
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



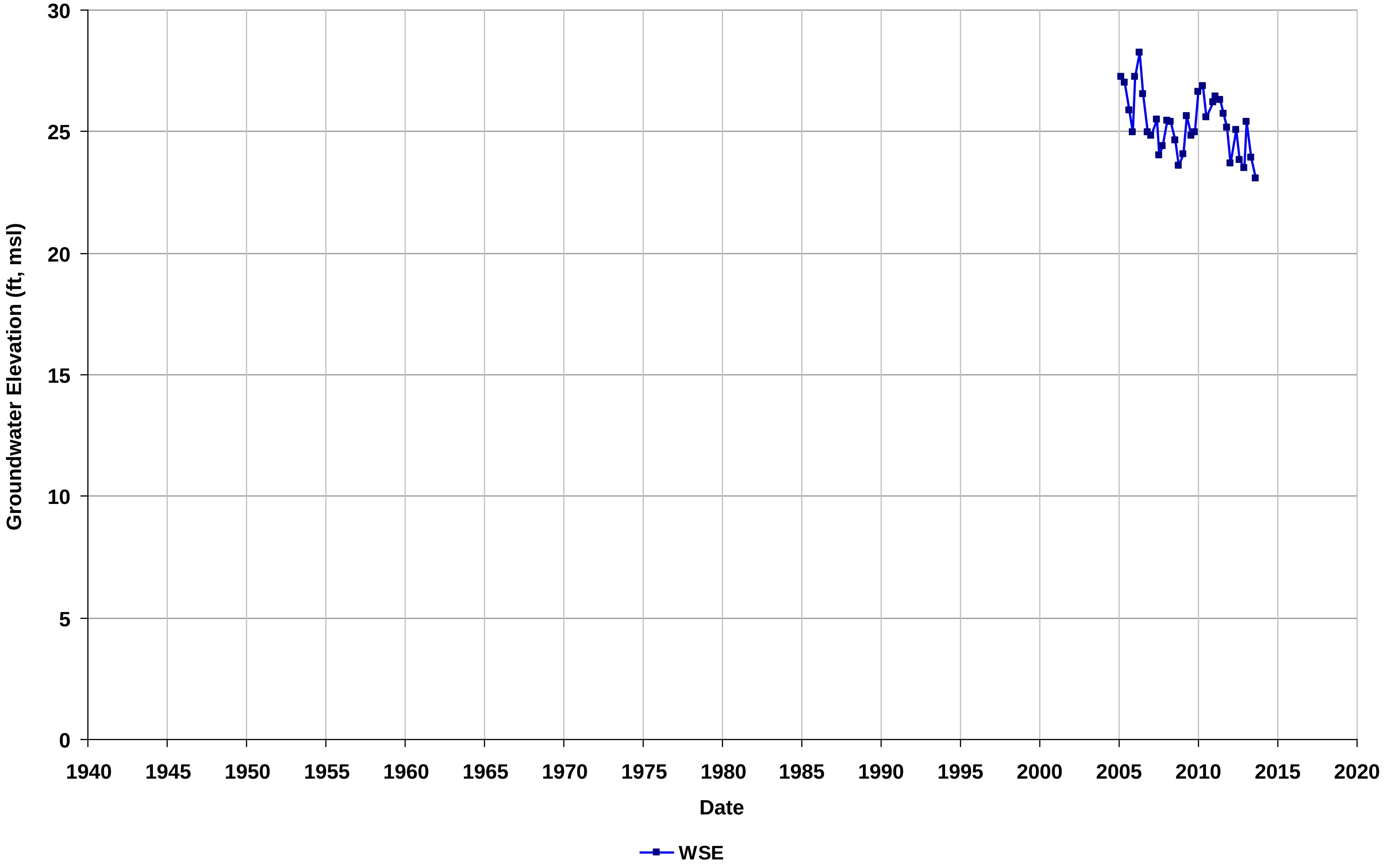
Well Name: T0600100003-MW-8
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



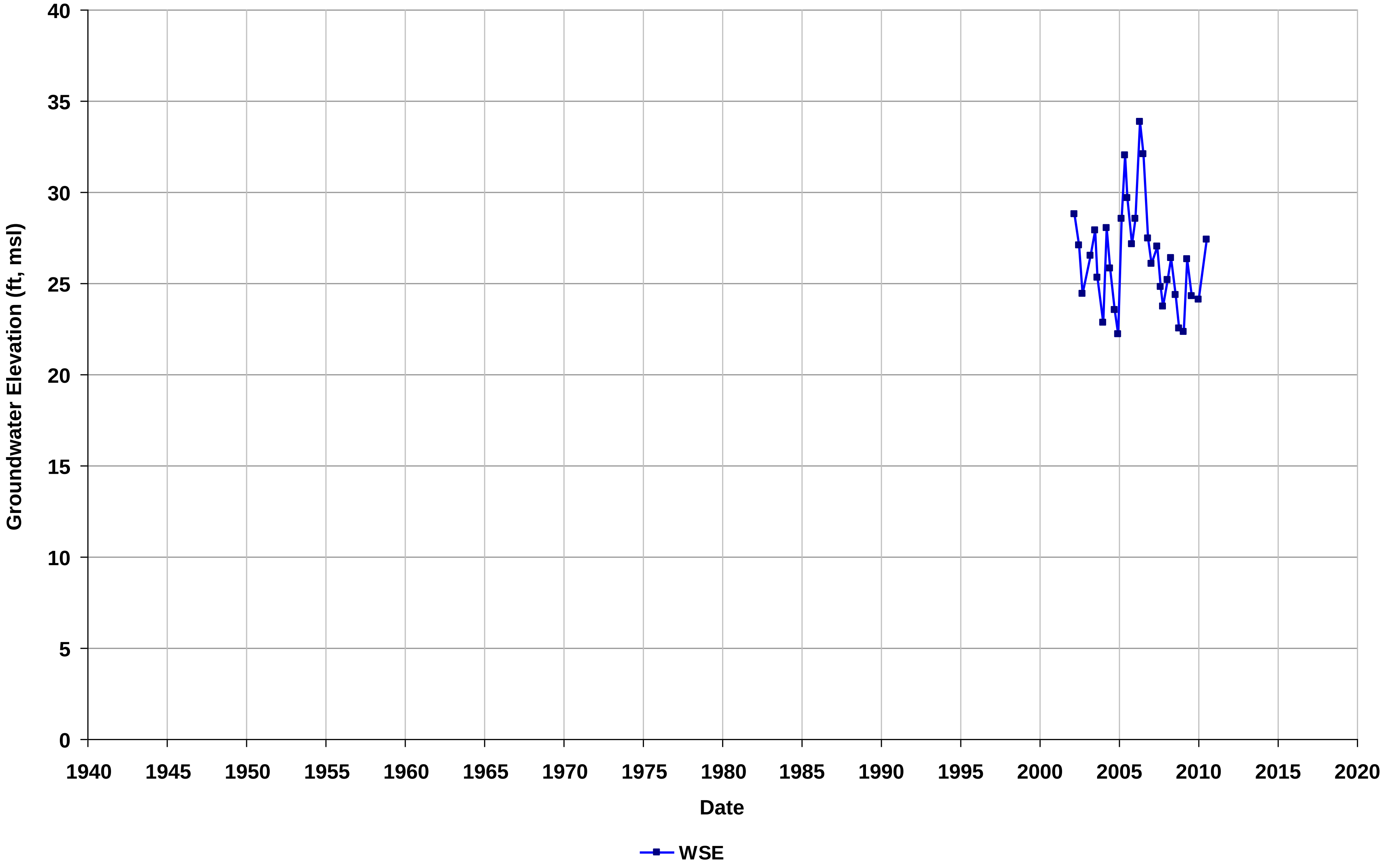
Well Name: T0600100003-MW-9
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



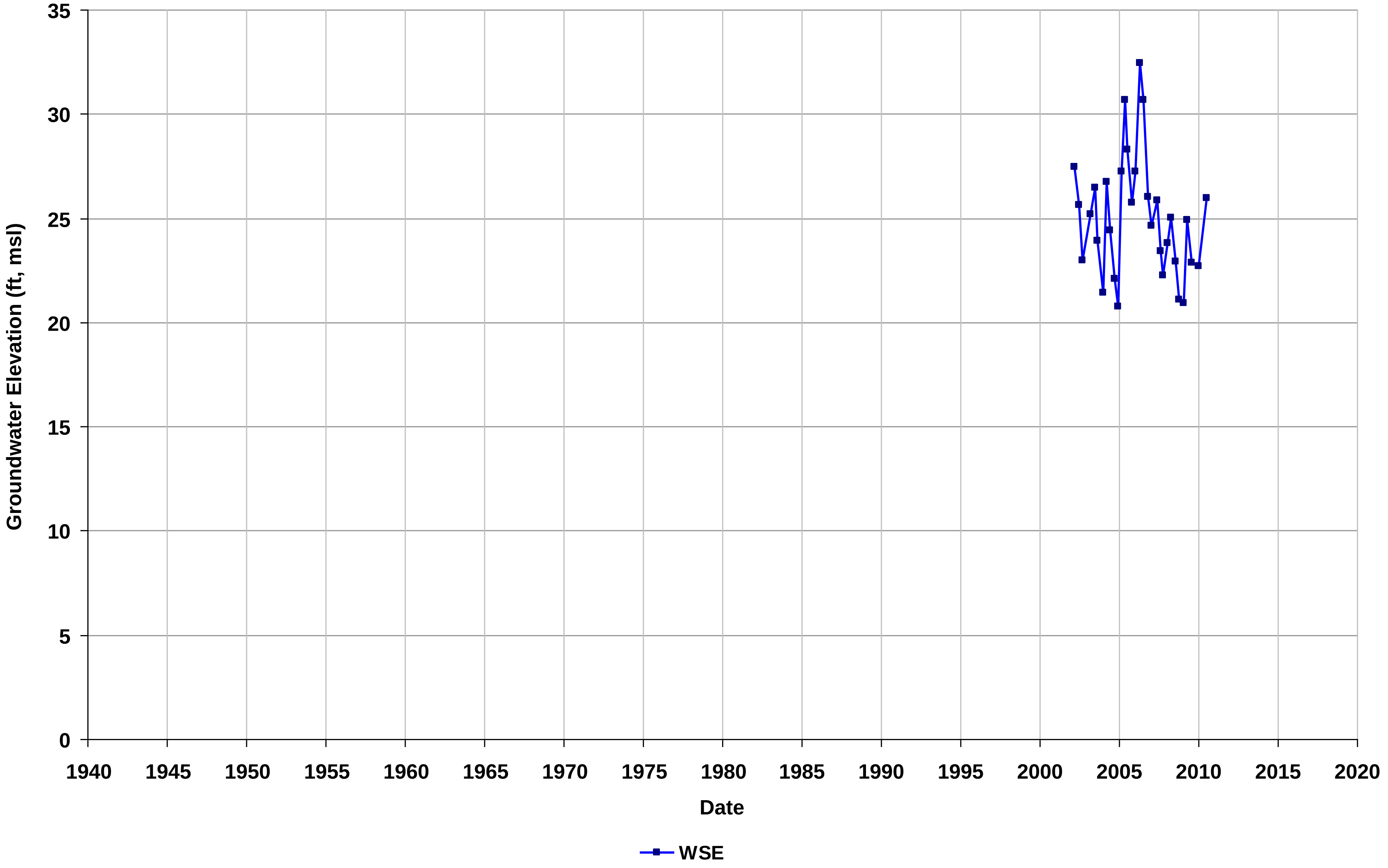
Well Name: T0600100005-MW-1A
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/12
Well Use: Observation



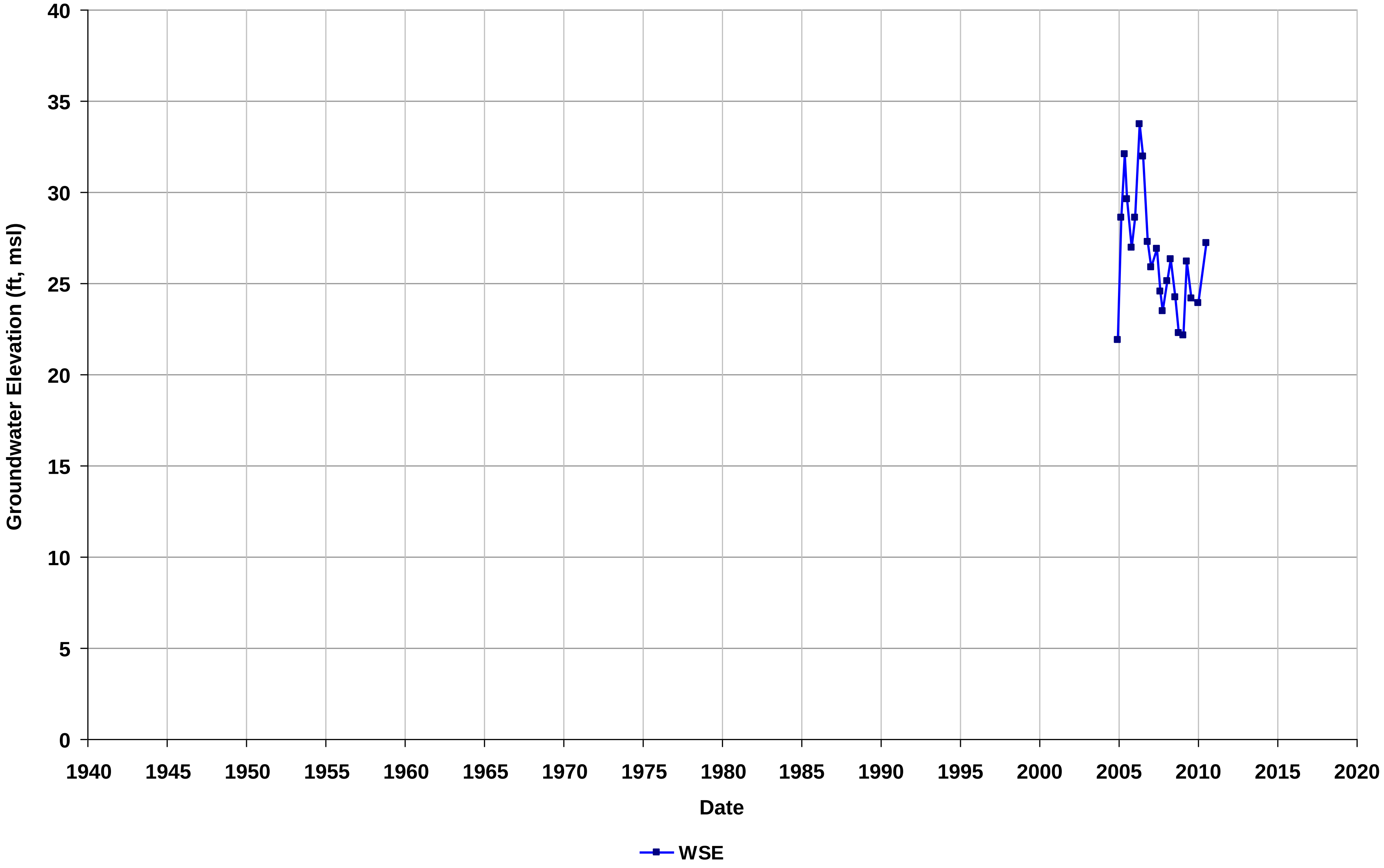
Well Name: T0600100005-MW-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/12
Well Use: Observation



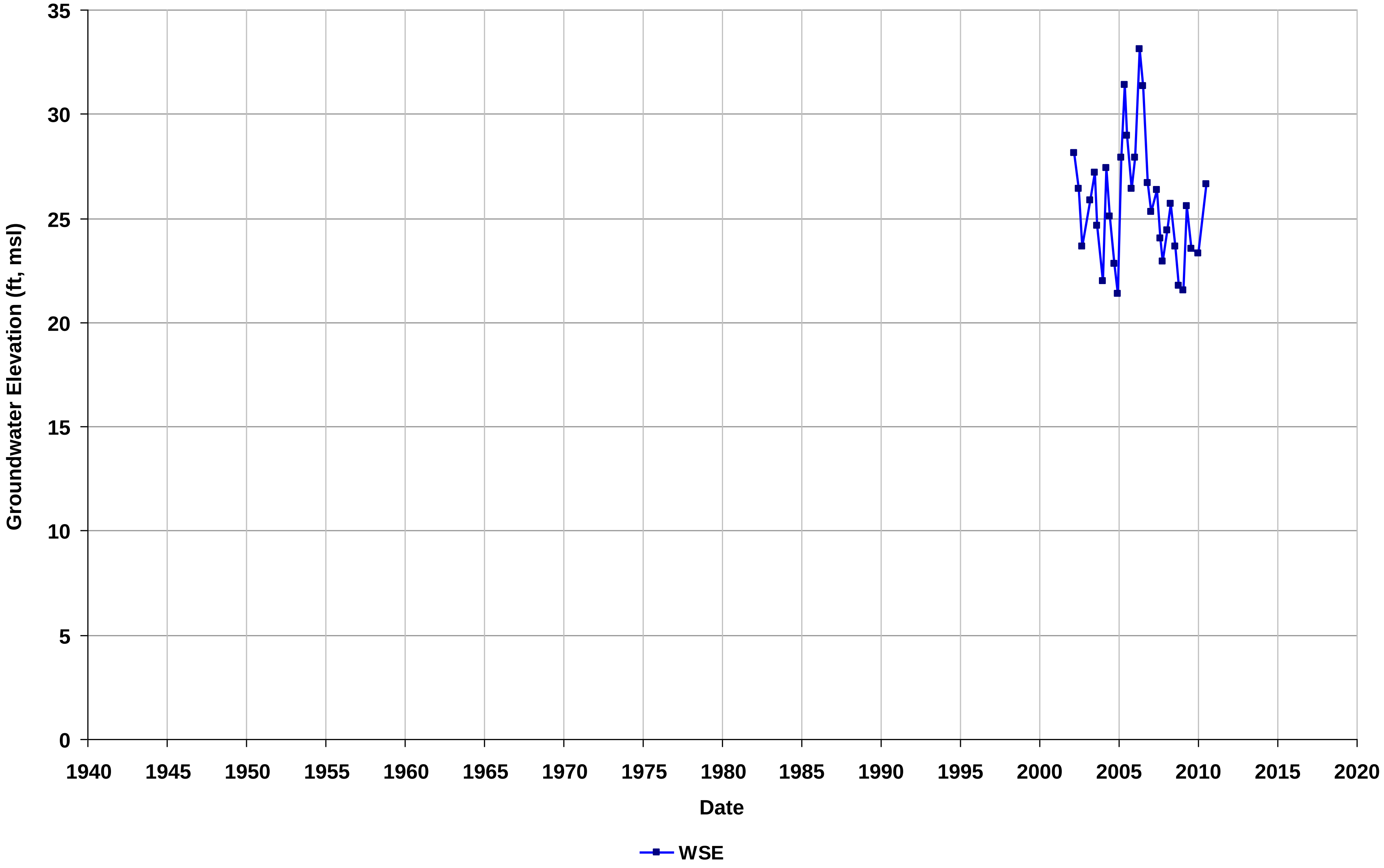
Well Name: T0600100005-MW-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/12
Well Use: Observation



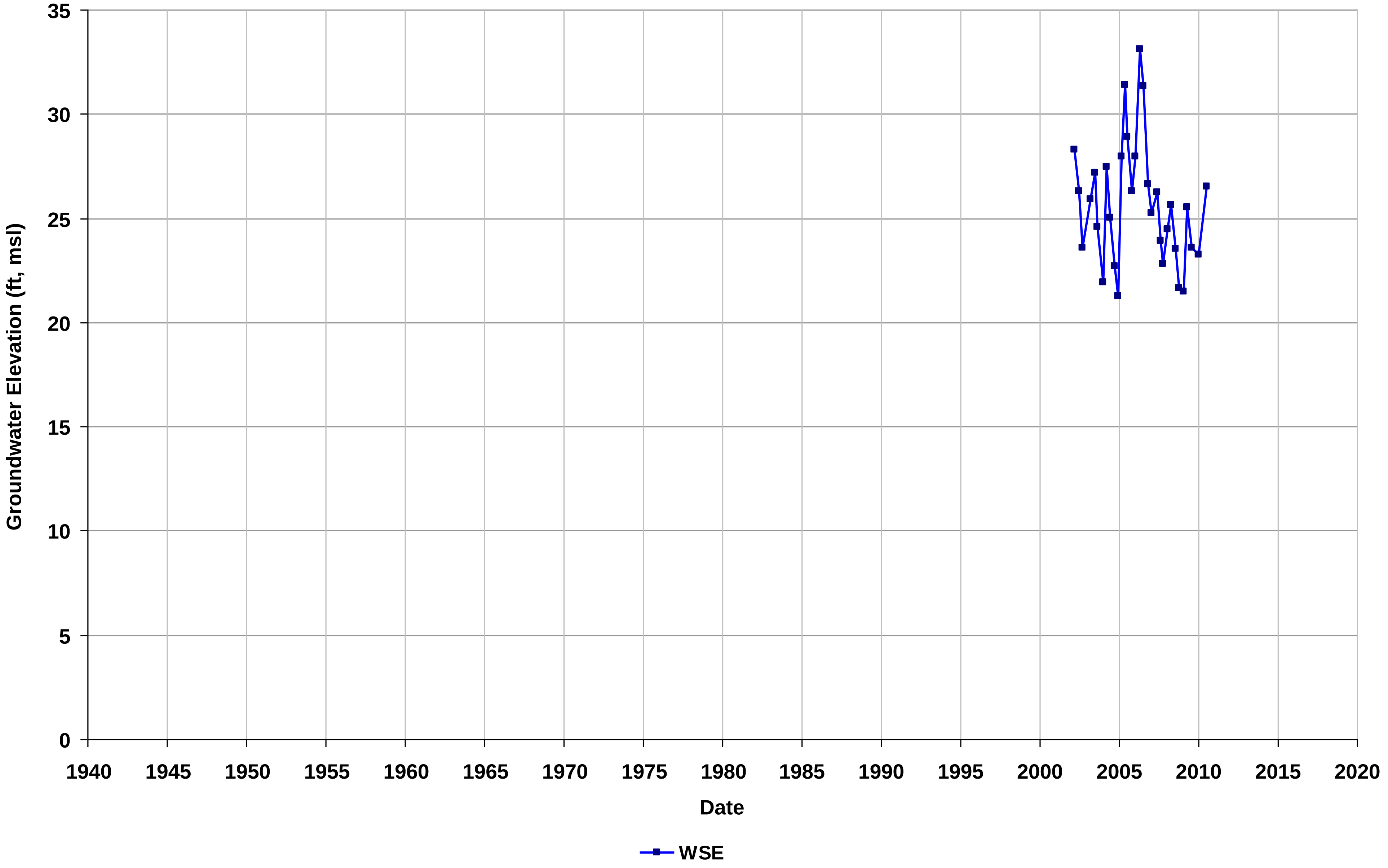
Well Name: T0600100005-MW-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/12
Well Use: Observation



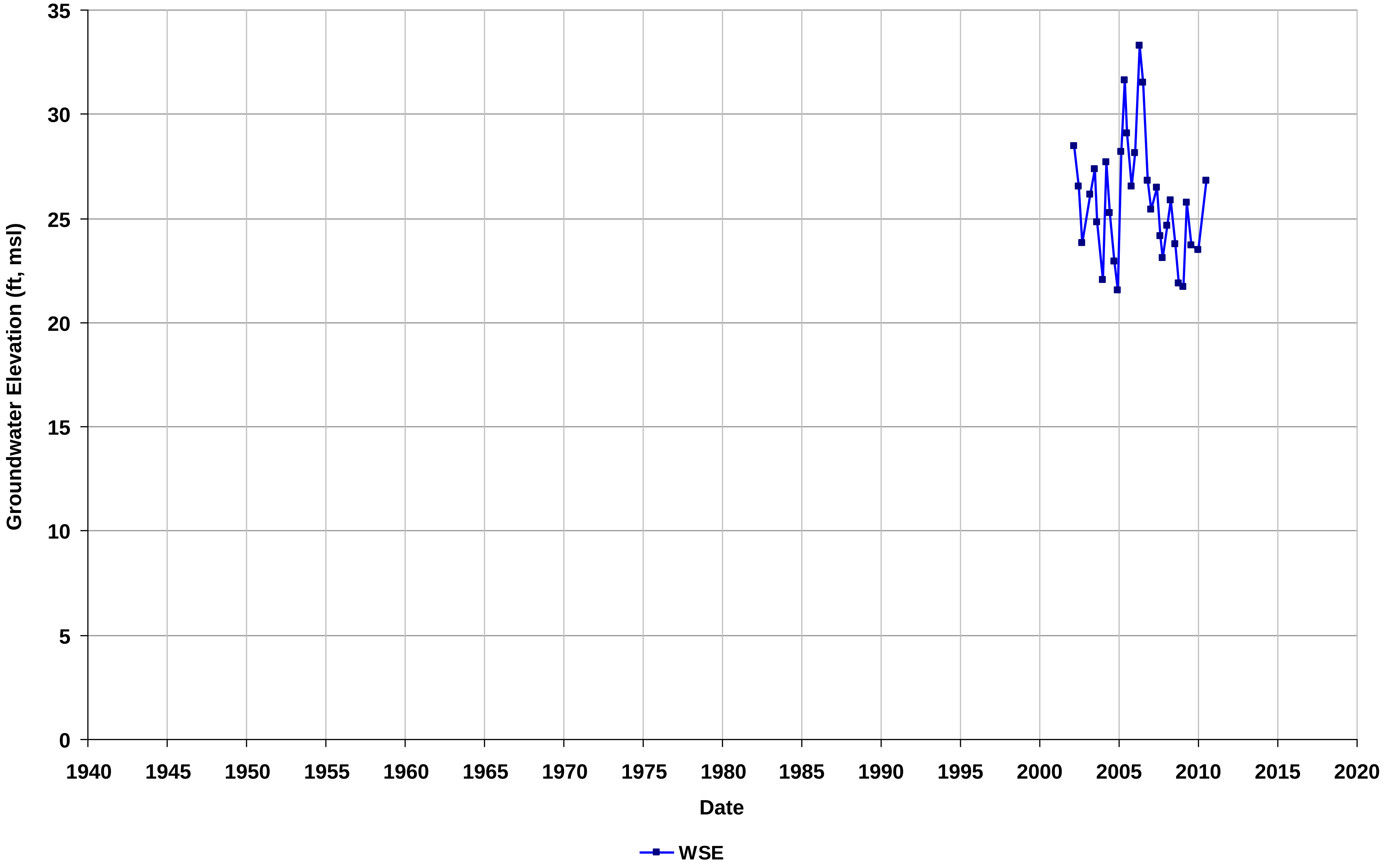
Well Name: T0600100005-MW-5
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/12
Well Use: Observation



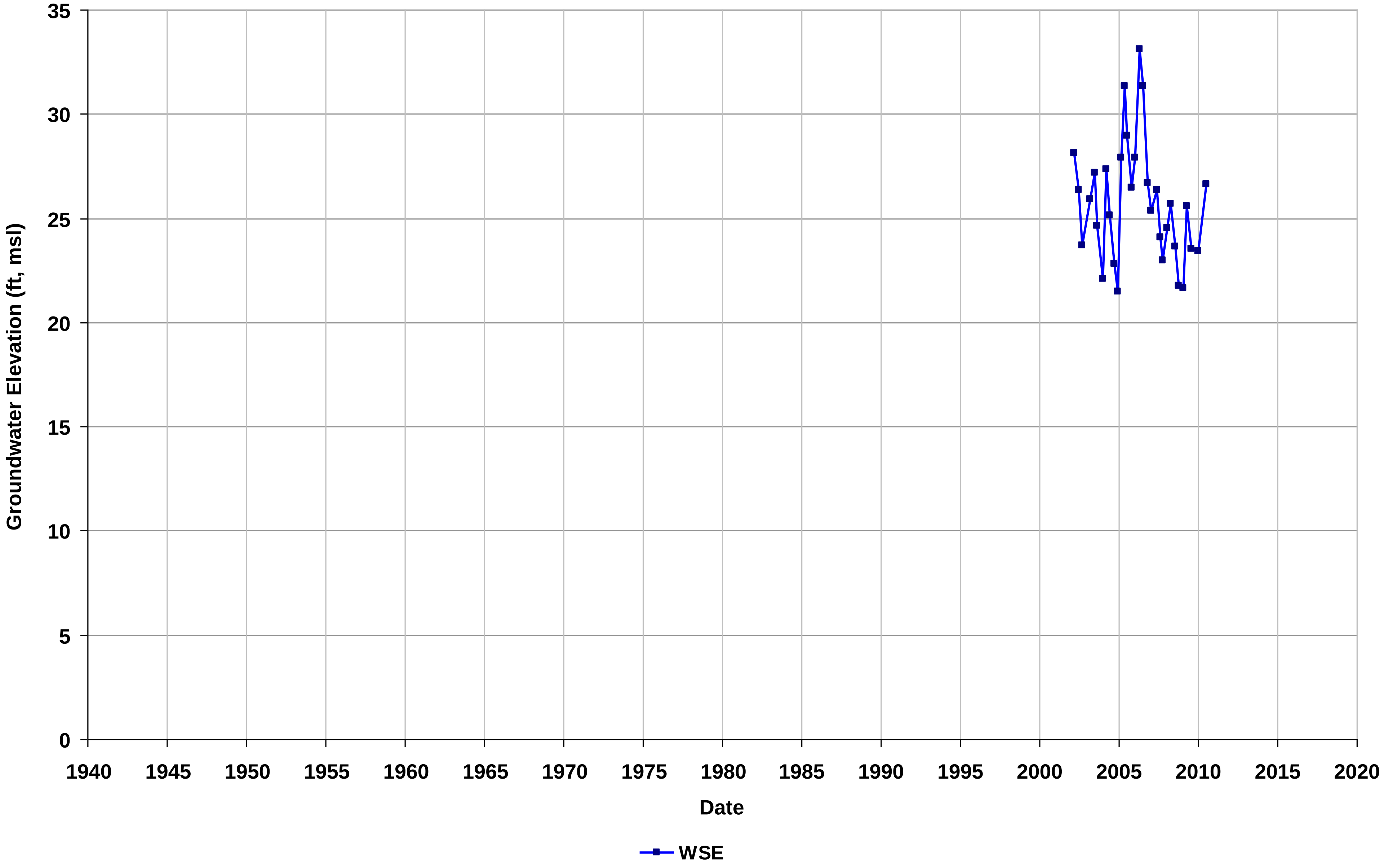
Well Name: T0600100005-MW-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/12
Well Use: Observation



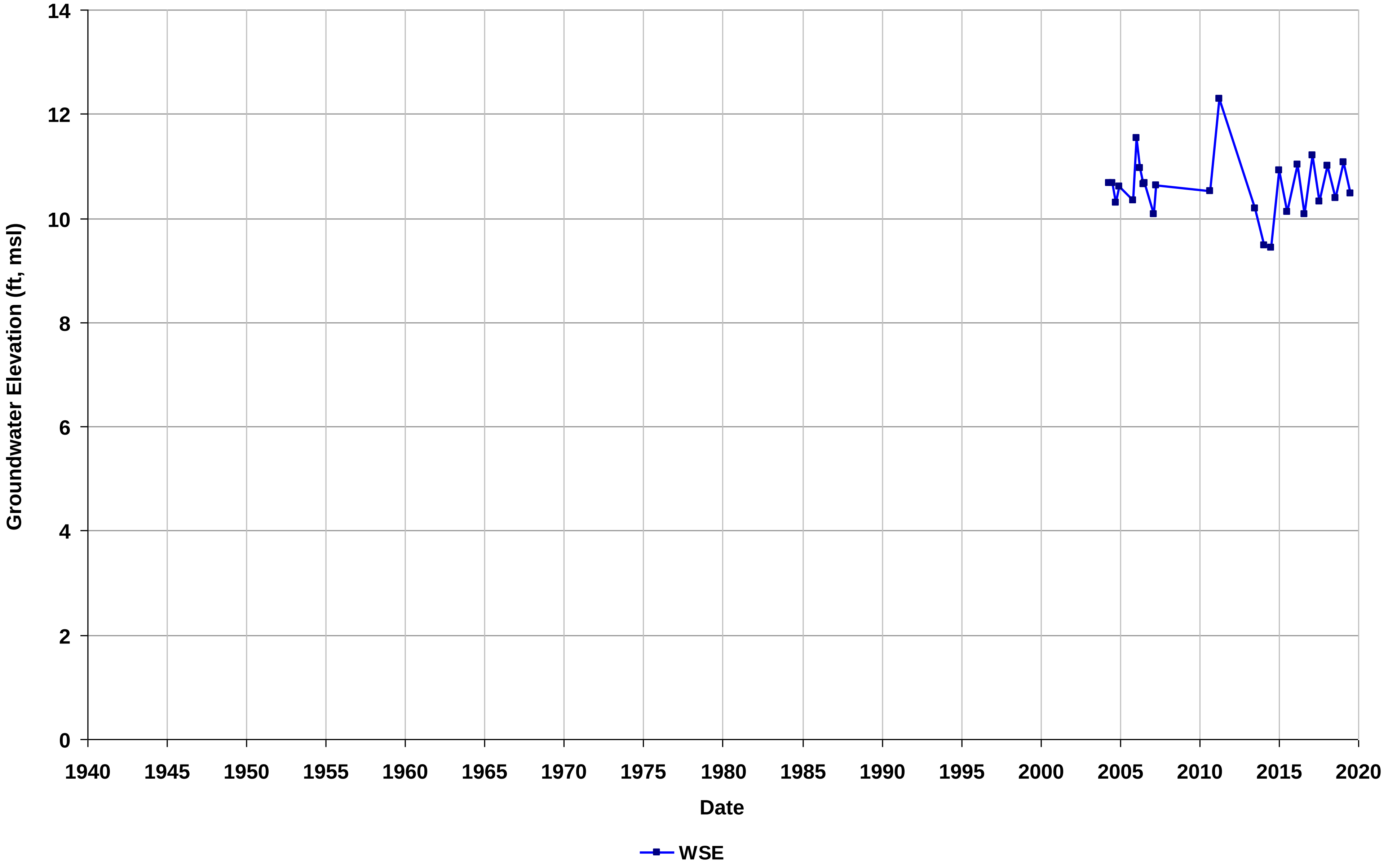
Well Name: T0600100005-MW-7
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/12
Well Use: Observation



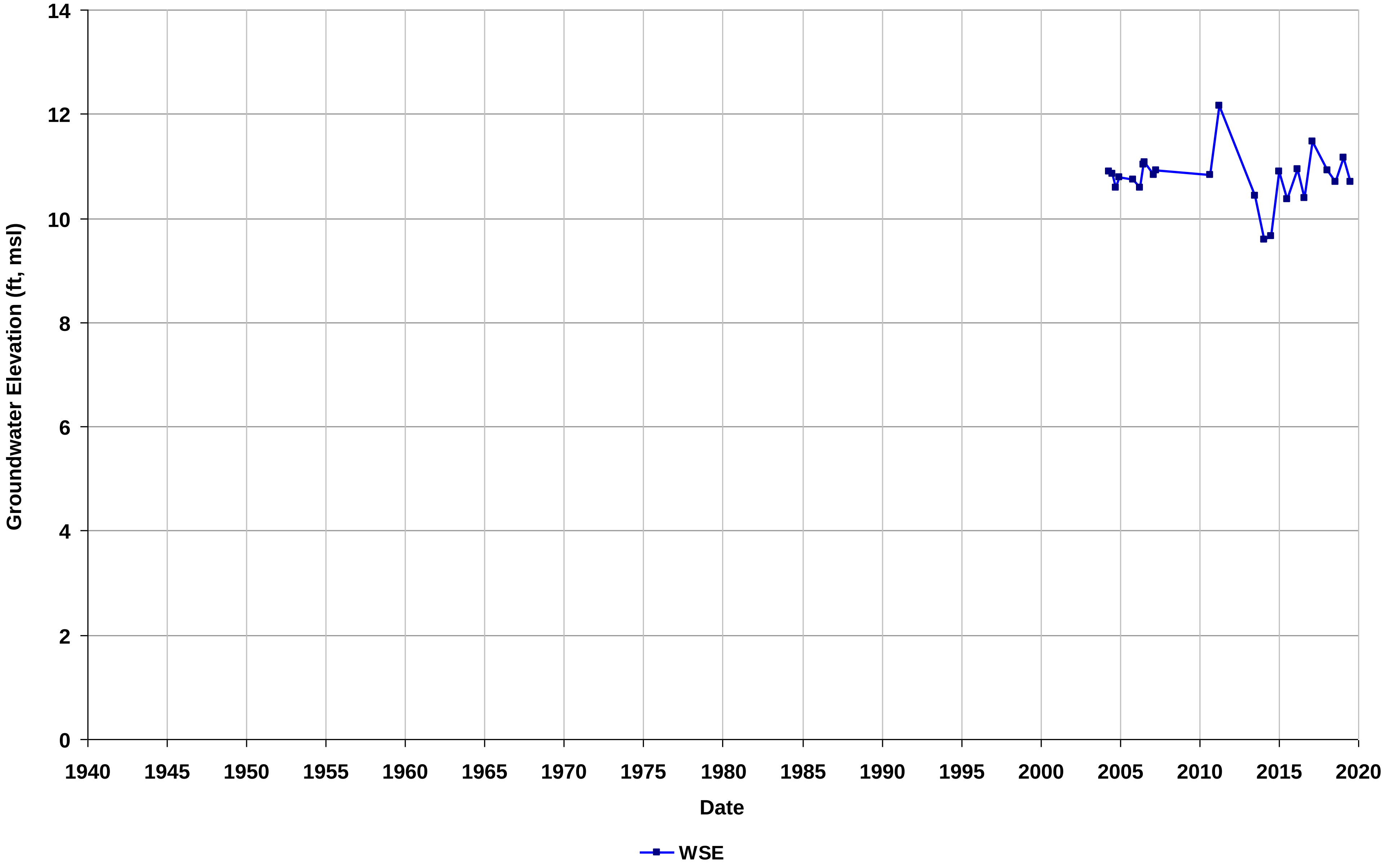
Well Name: T0600100011-MW-10
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



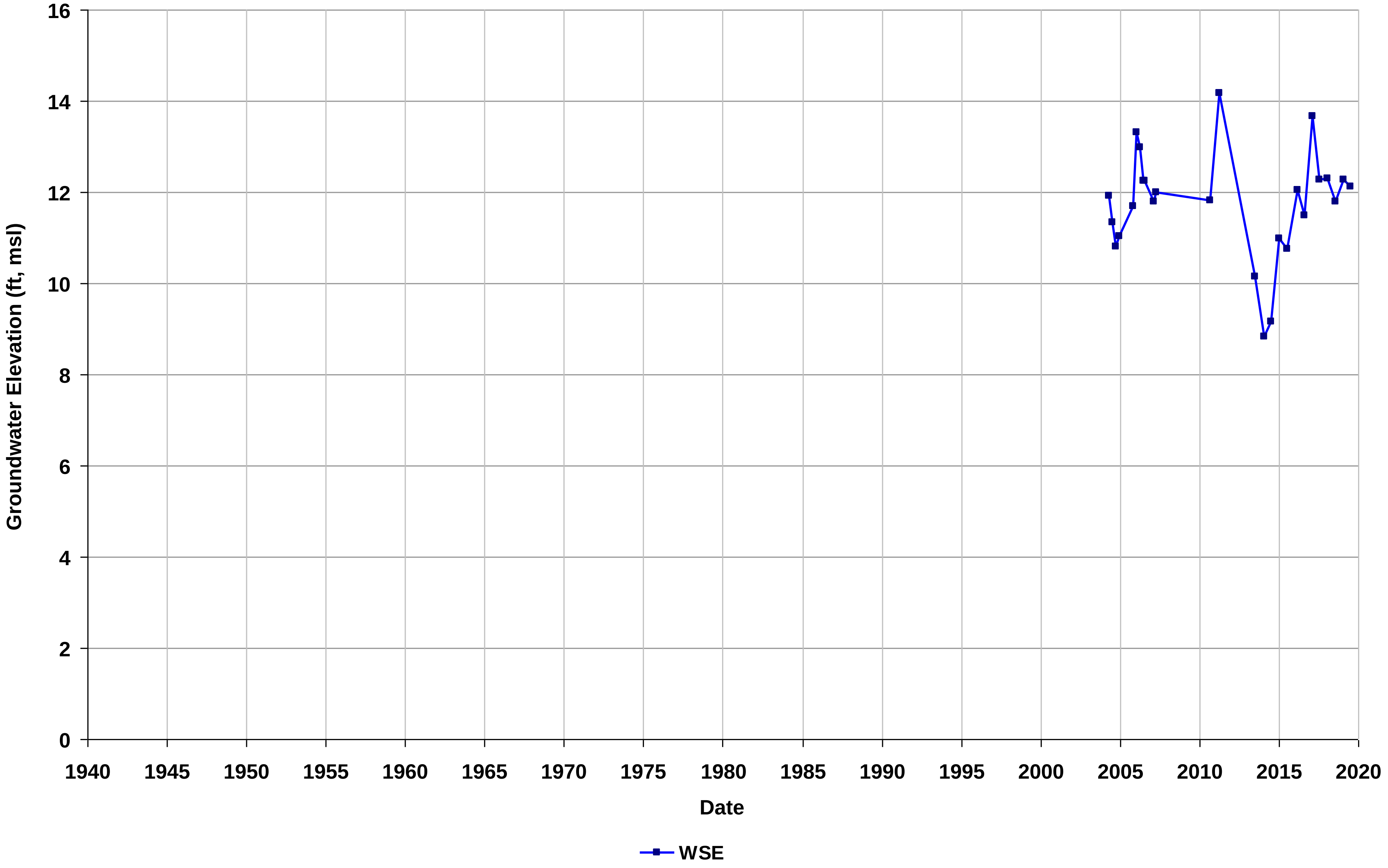
Well Name: T0600100011-MW-11
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



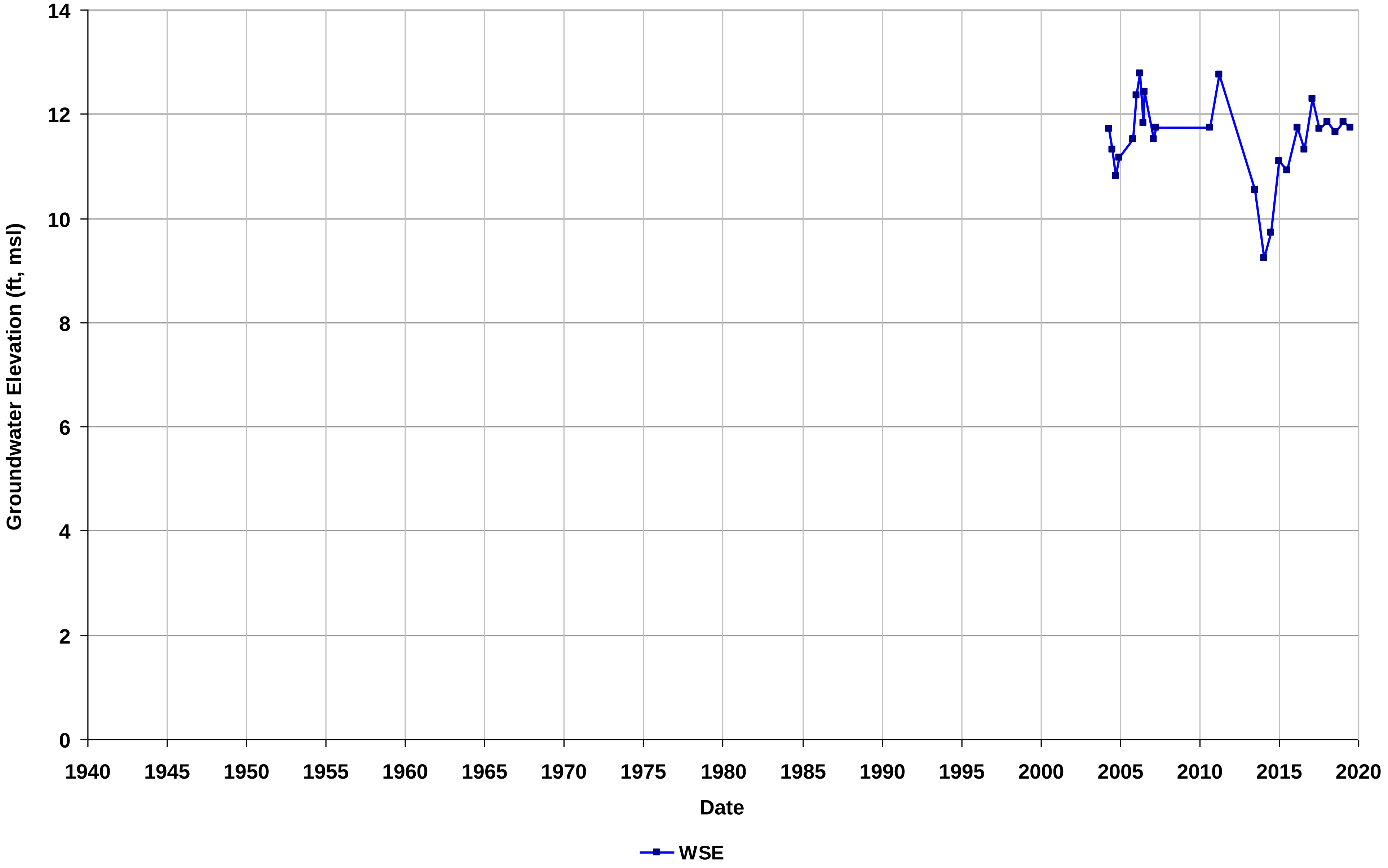
Well Name: T0600100011-MW-12
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



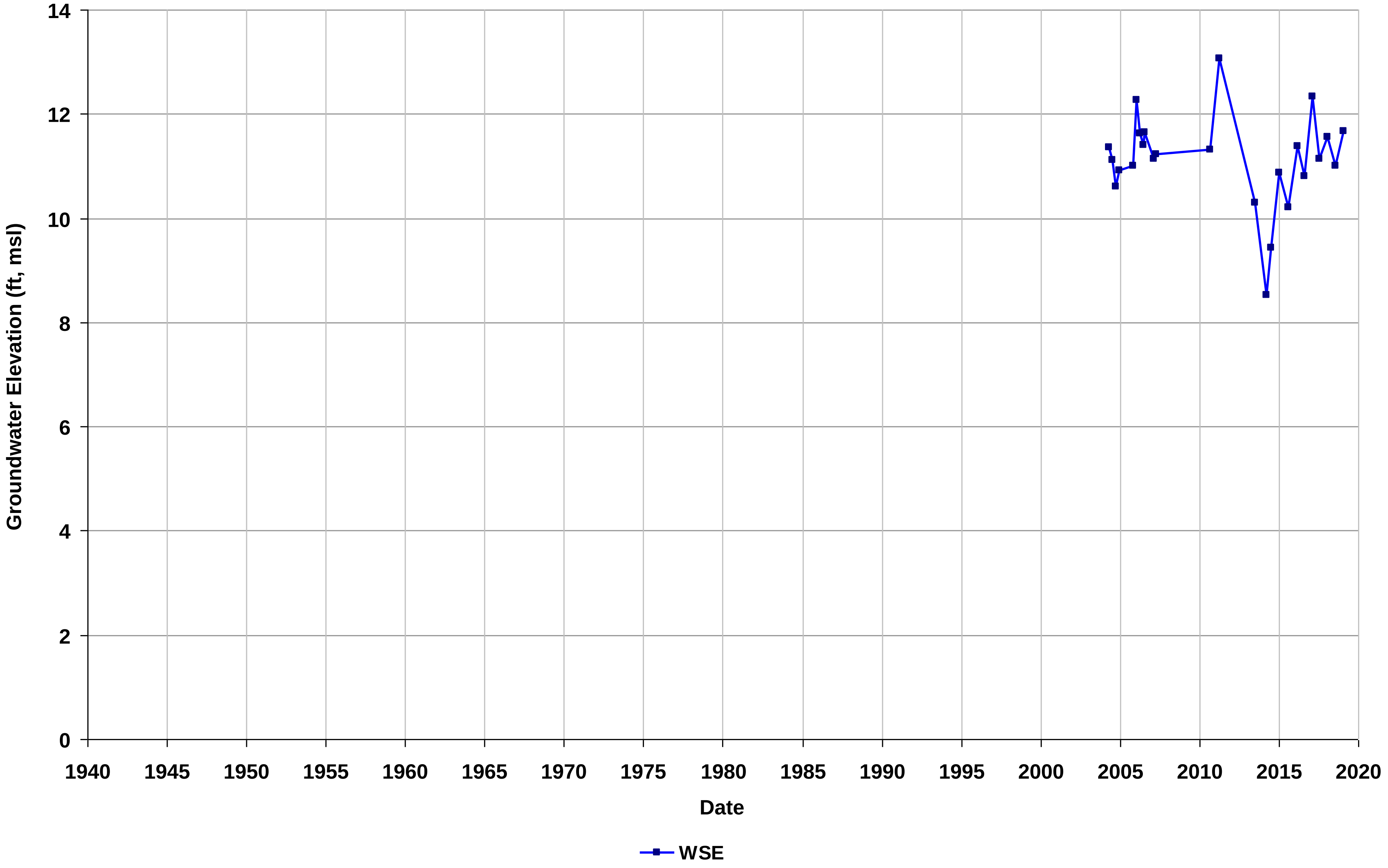
Well Name: T0600100011-MW-13
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



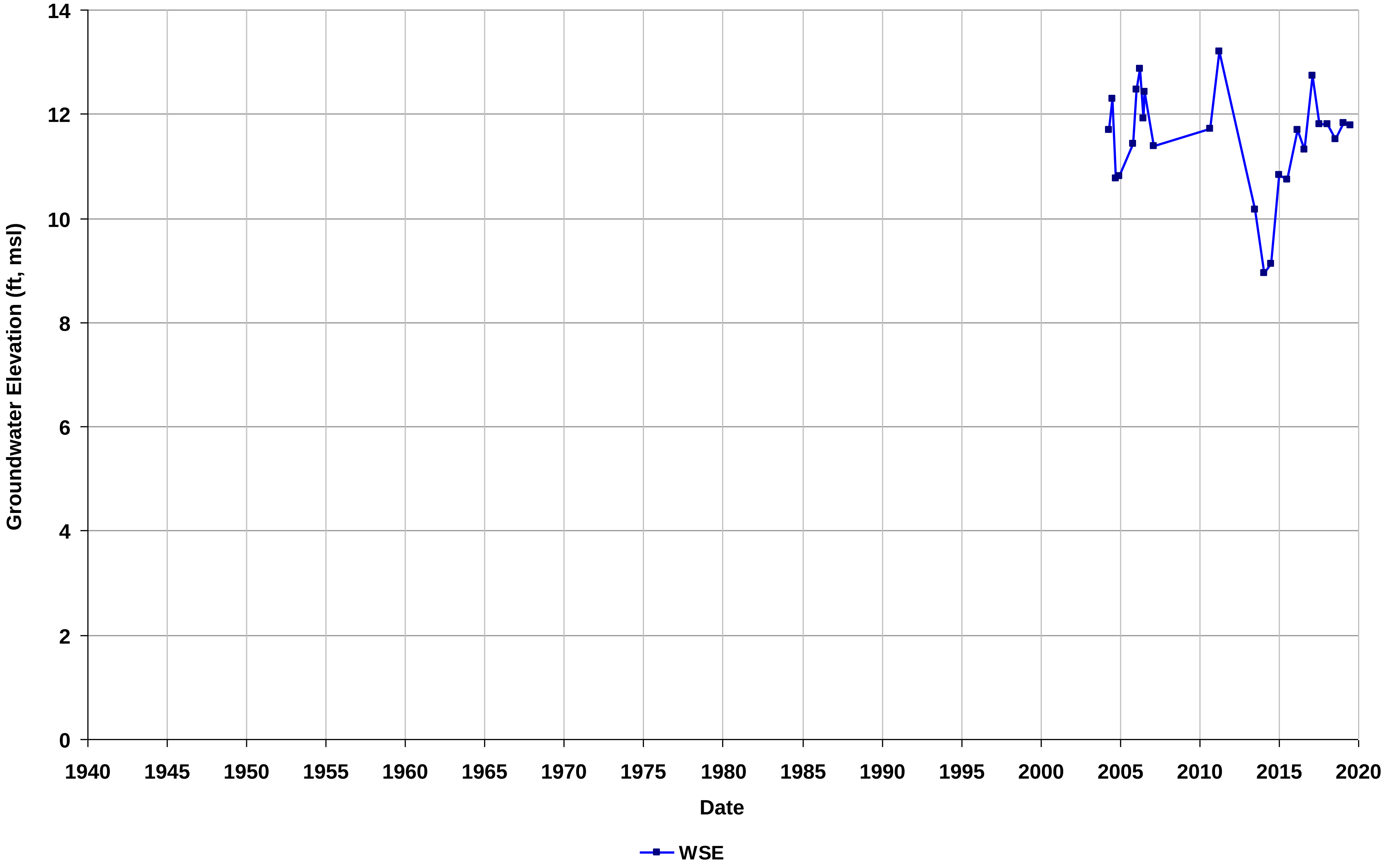
Well Name: T0600100011-MW-14
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



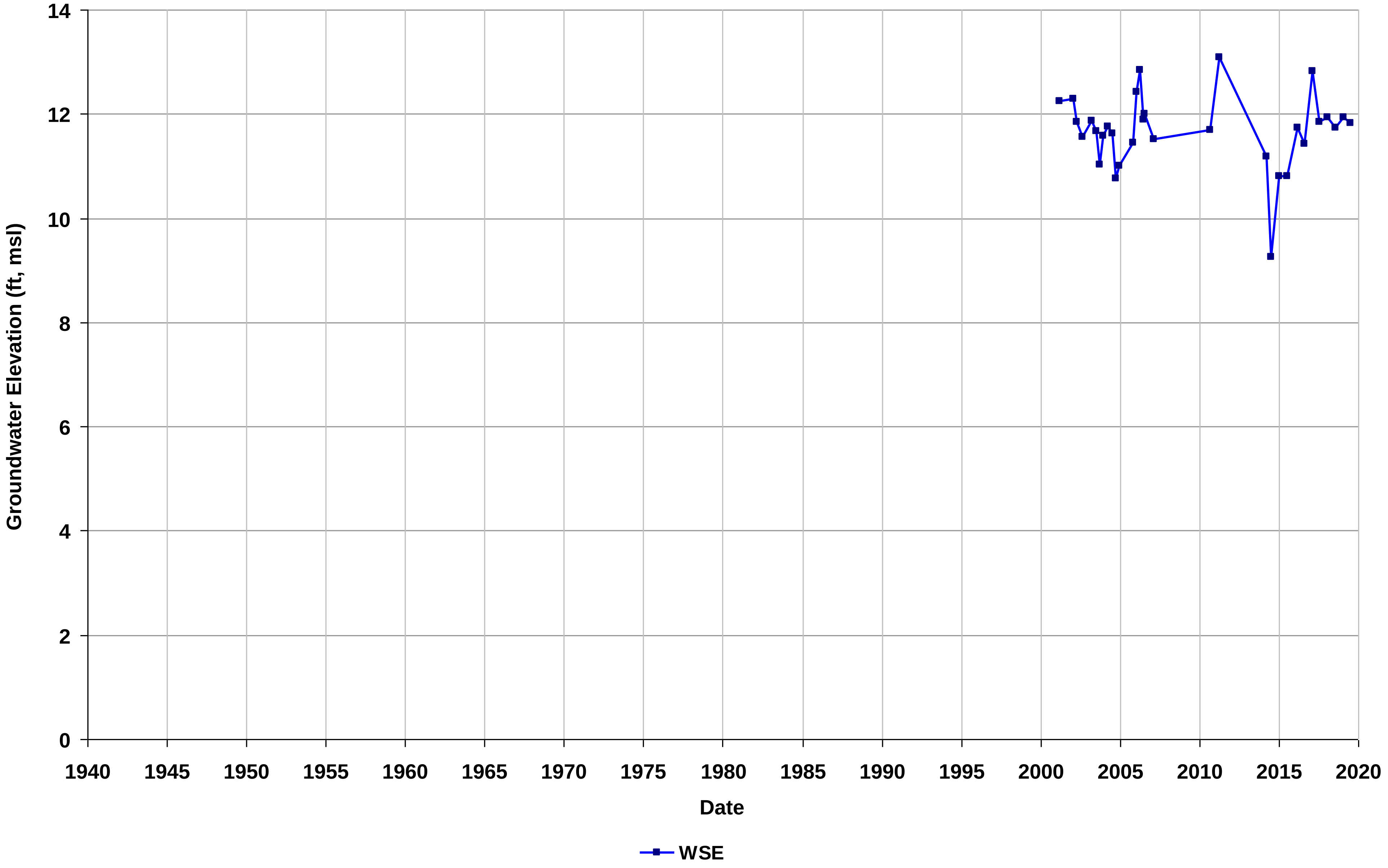
Well Name: T0600100011-MW-15
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



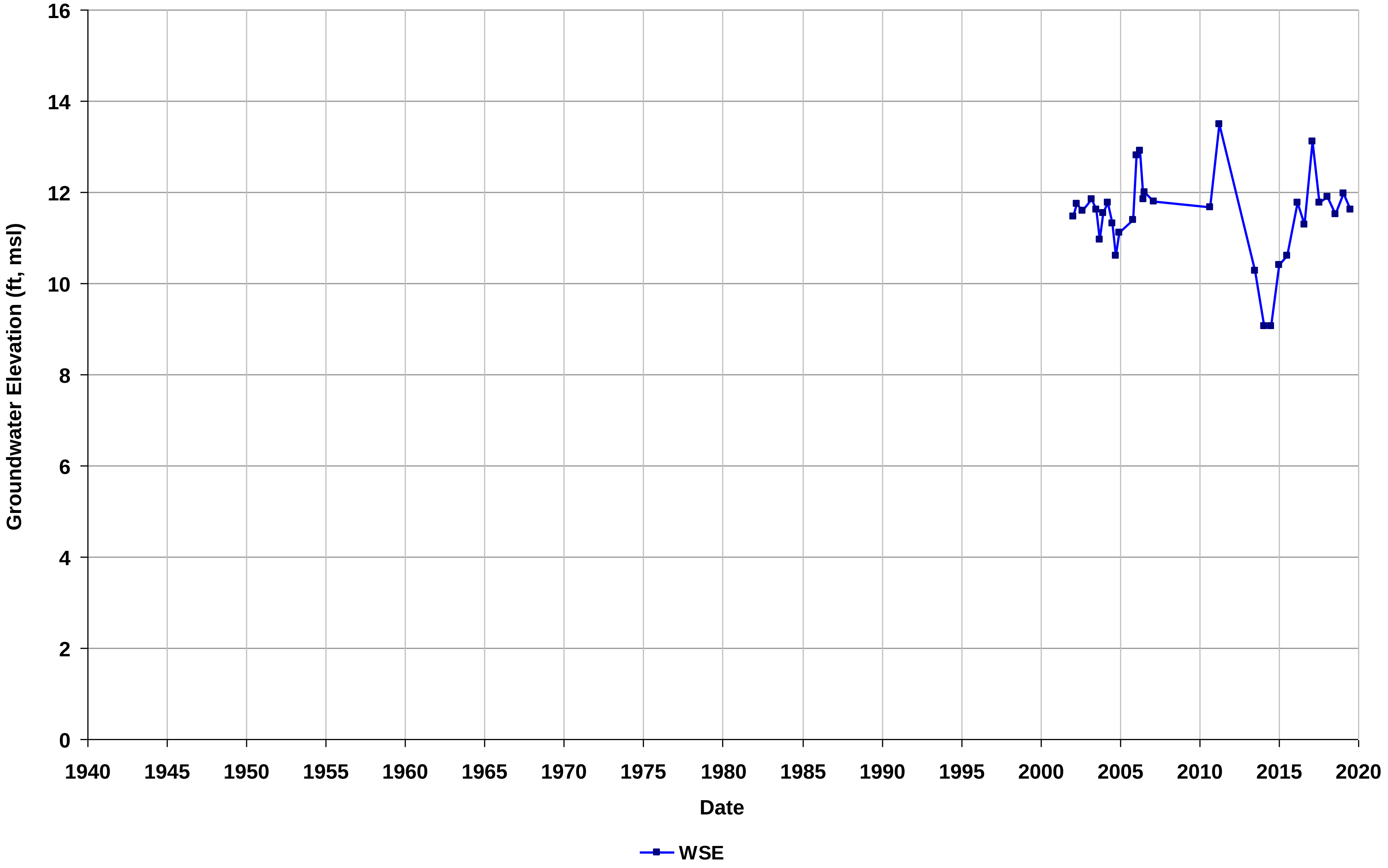
Well Name: T0600100011-MW-5
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



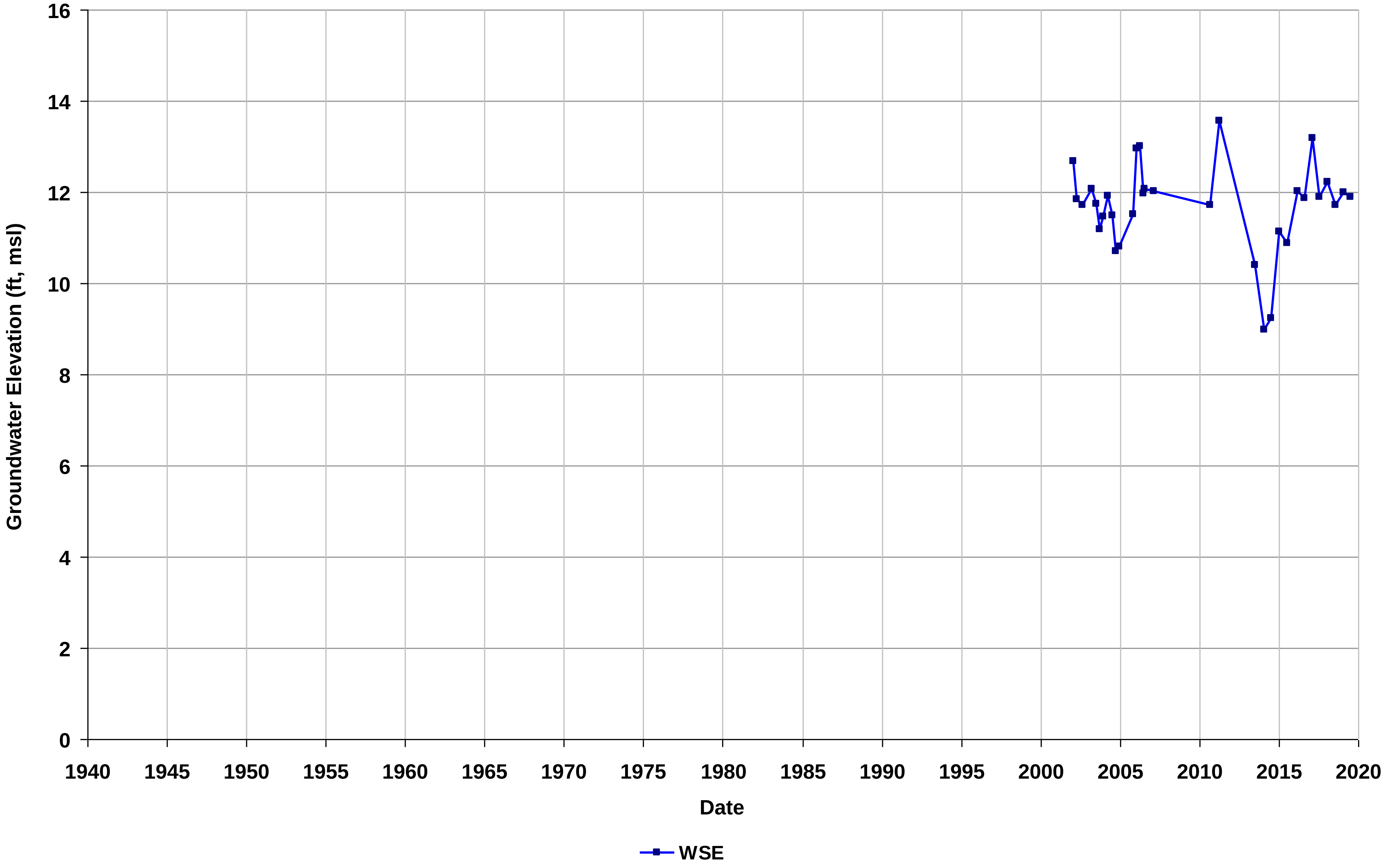
Well Name: T0600100011-MW-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



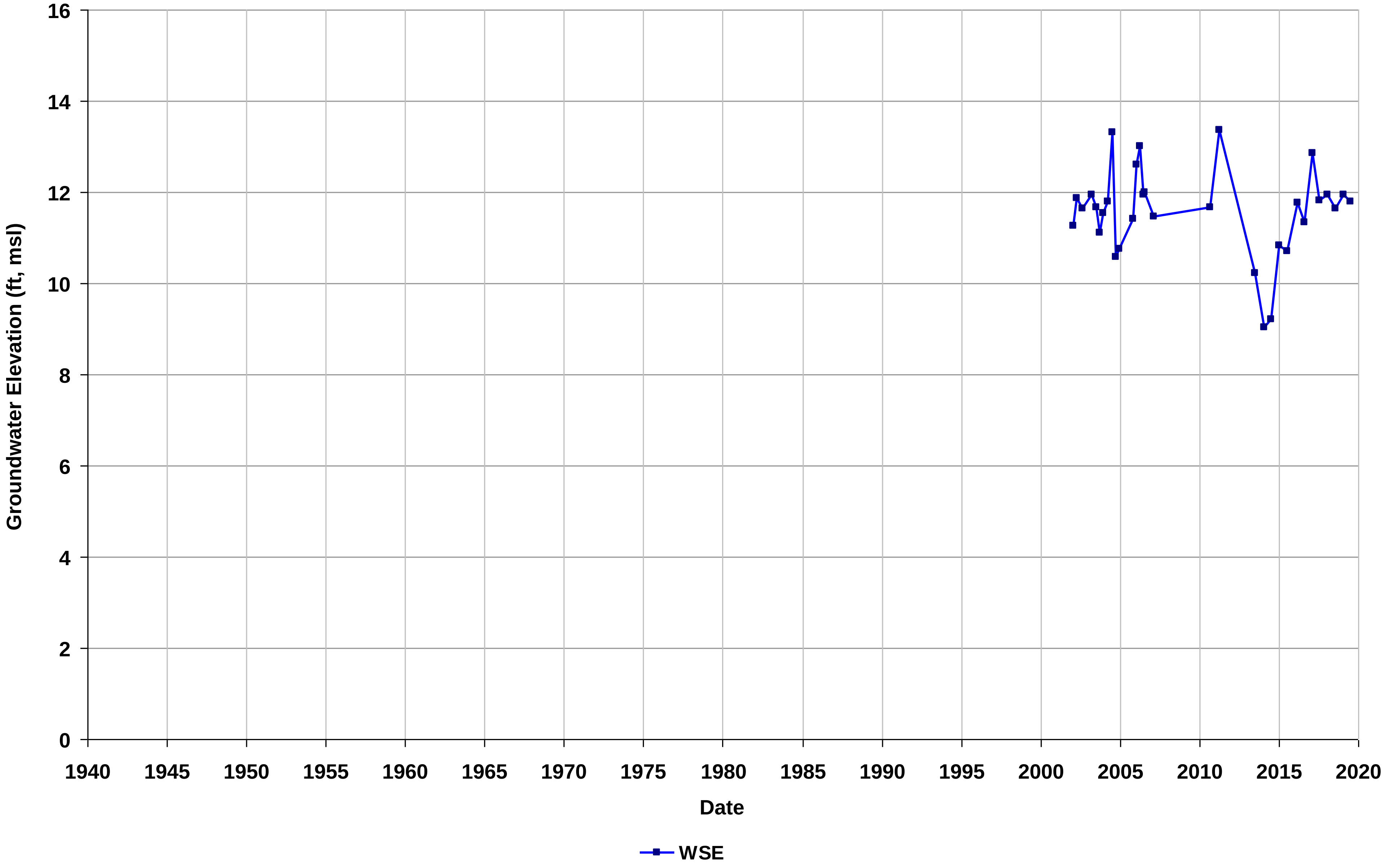
Well Name: T0600100011-MW-7
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



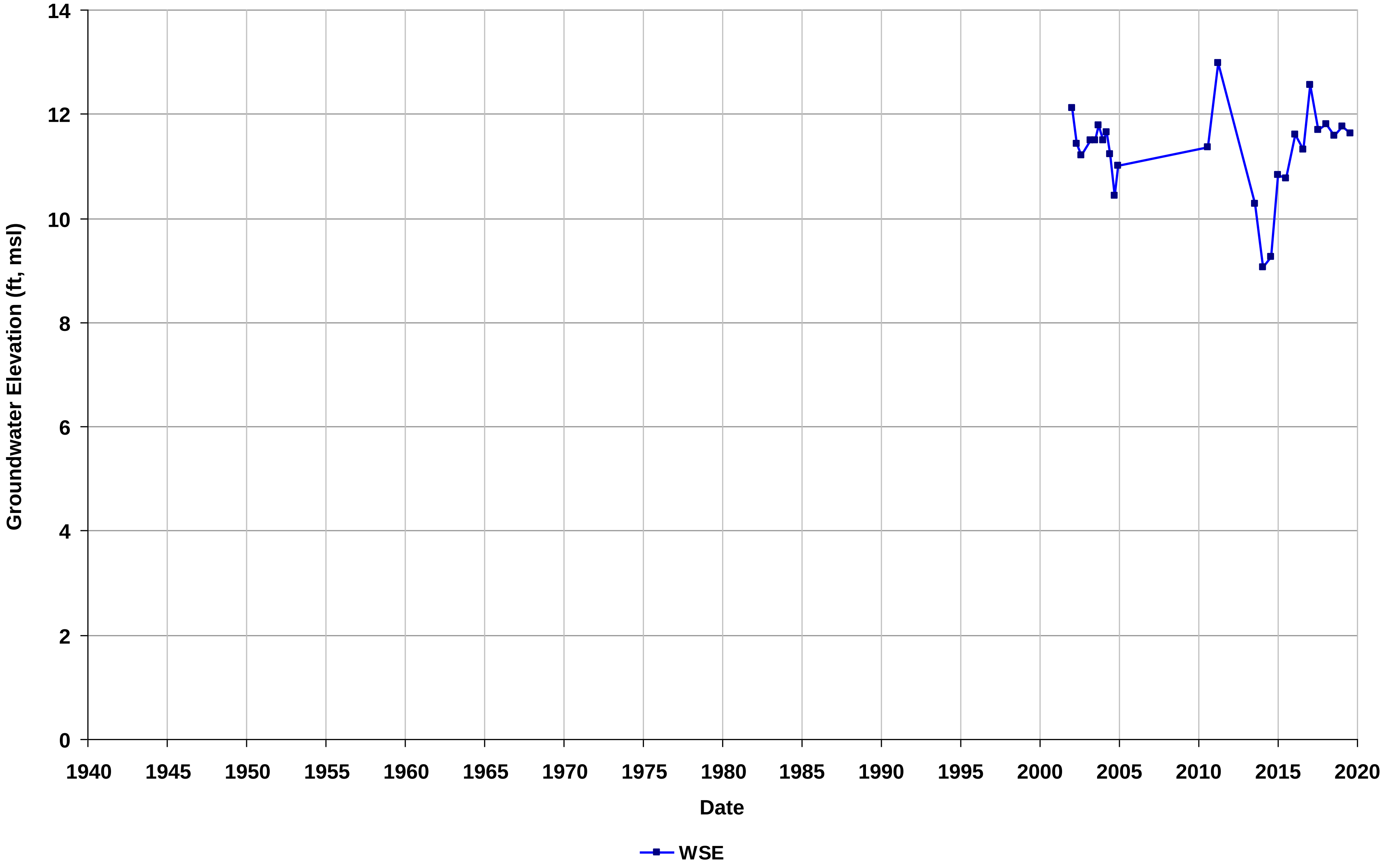
Well Name: T0600100011-MW-8
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



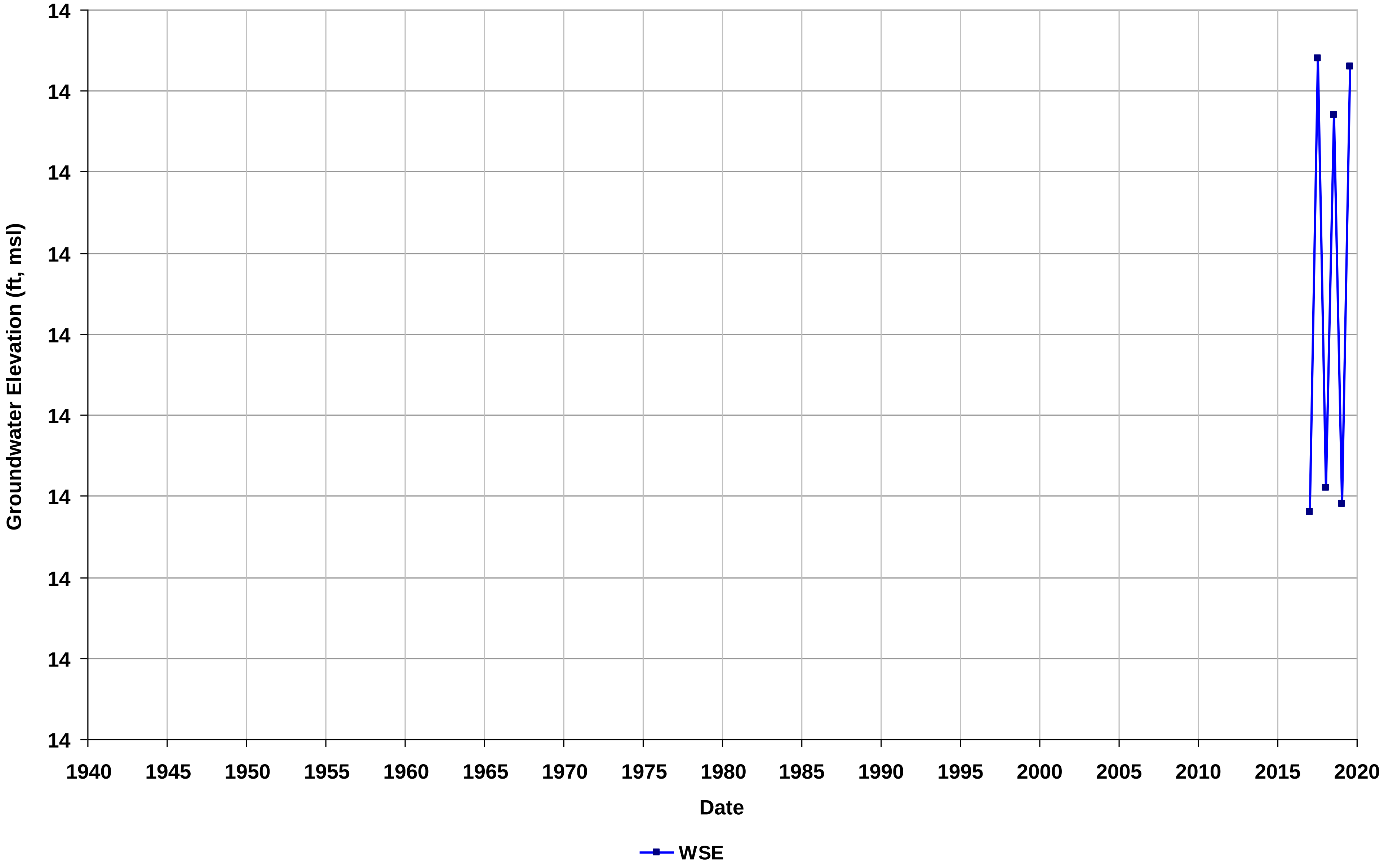
Well Name: T0600100011-MW-9
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



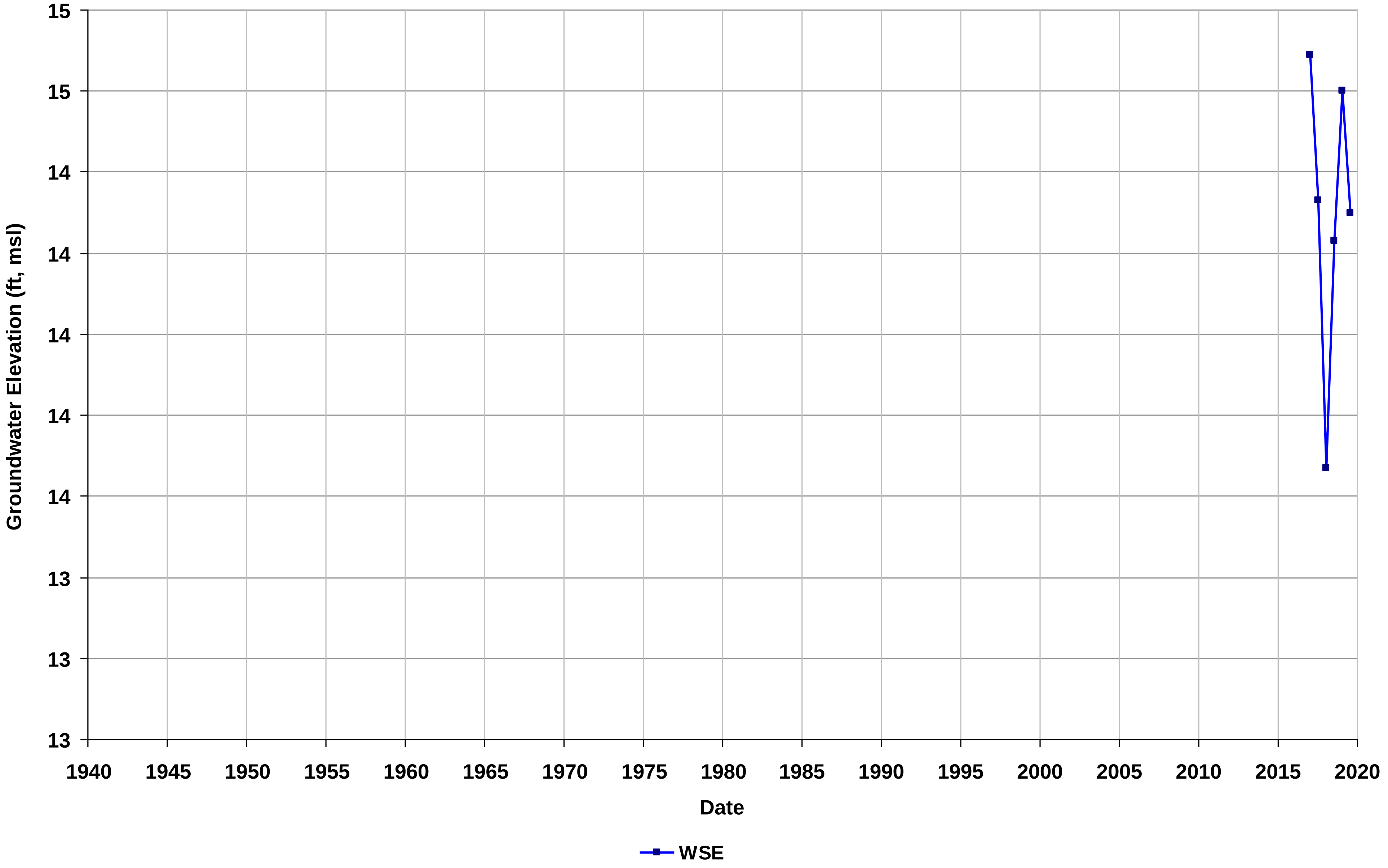
Well Name: T0600100031-EX-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



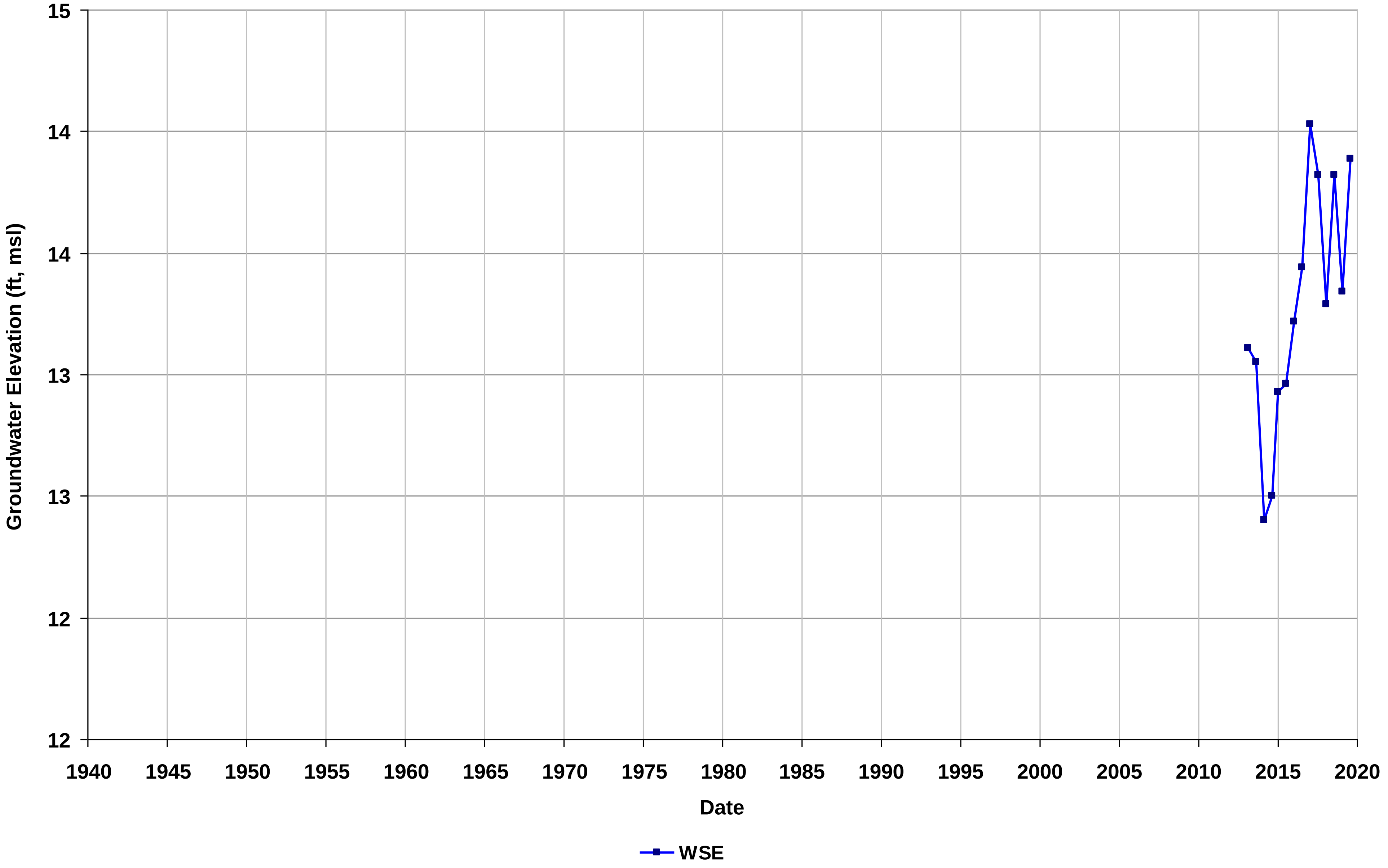
Well Name: T0600100031-EX-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



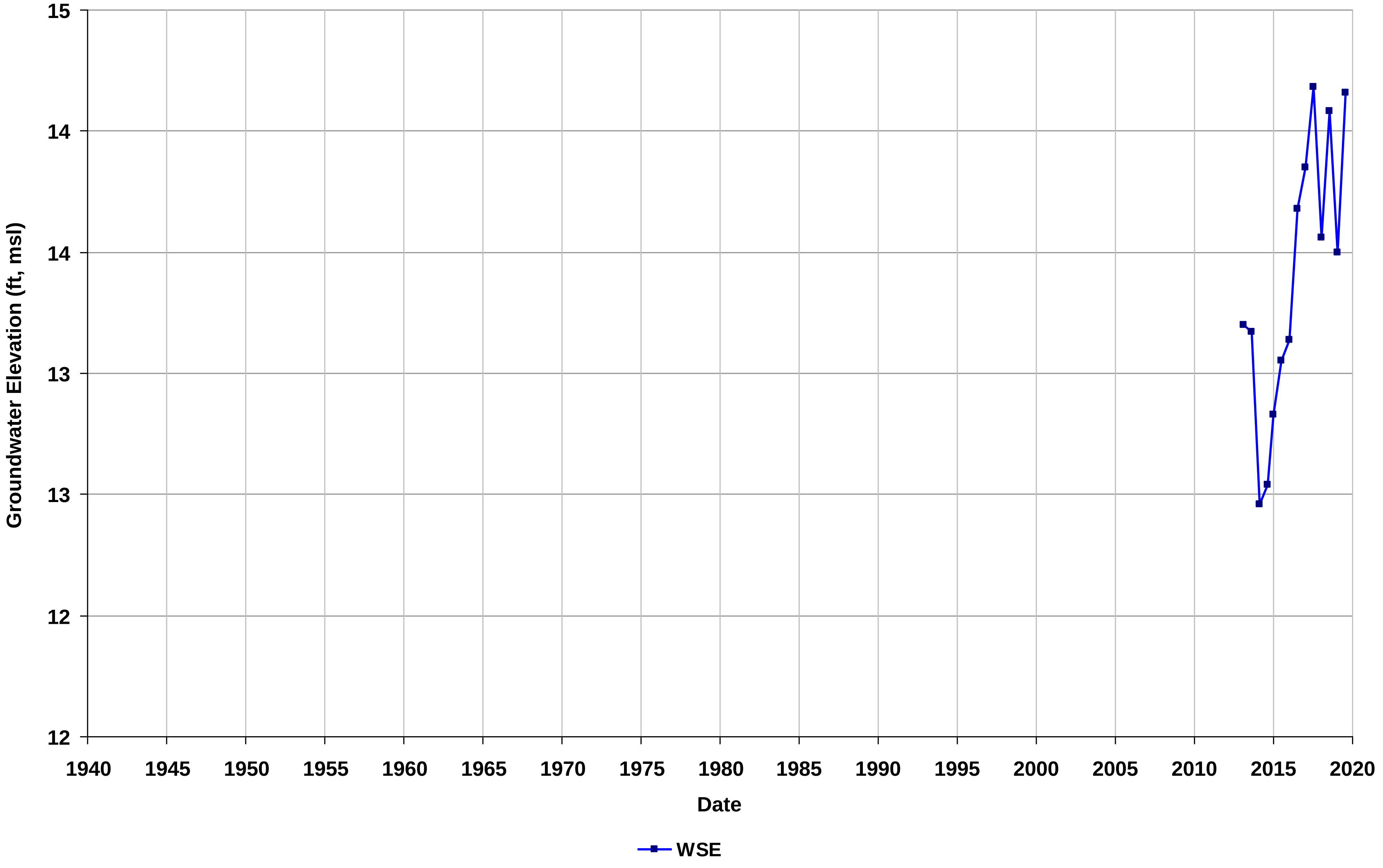
Well Name: T0600100031-MW-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



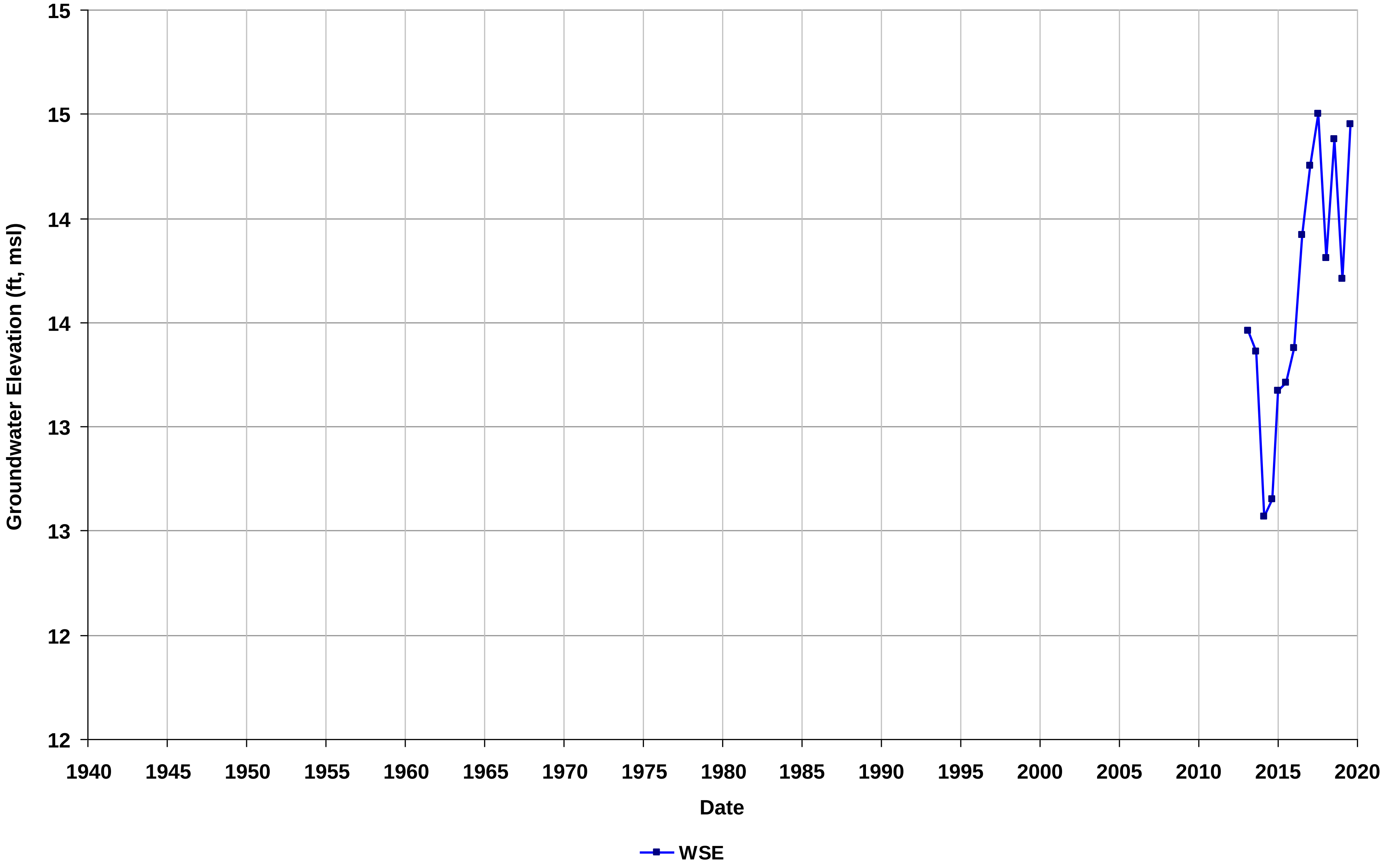
Well Name: T0600100031-MW-7
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



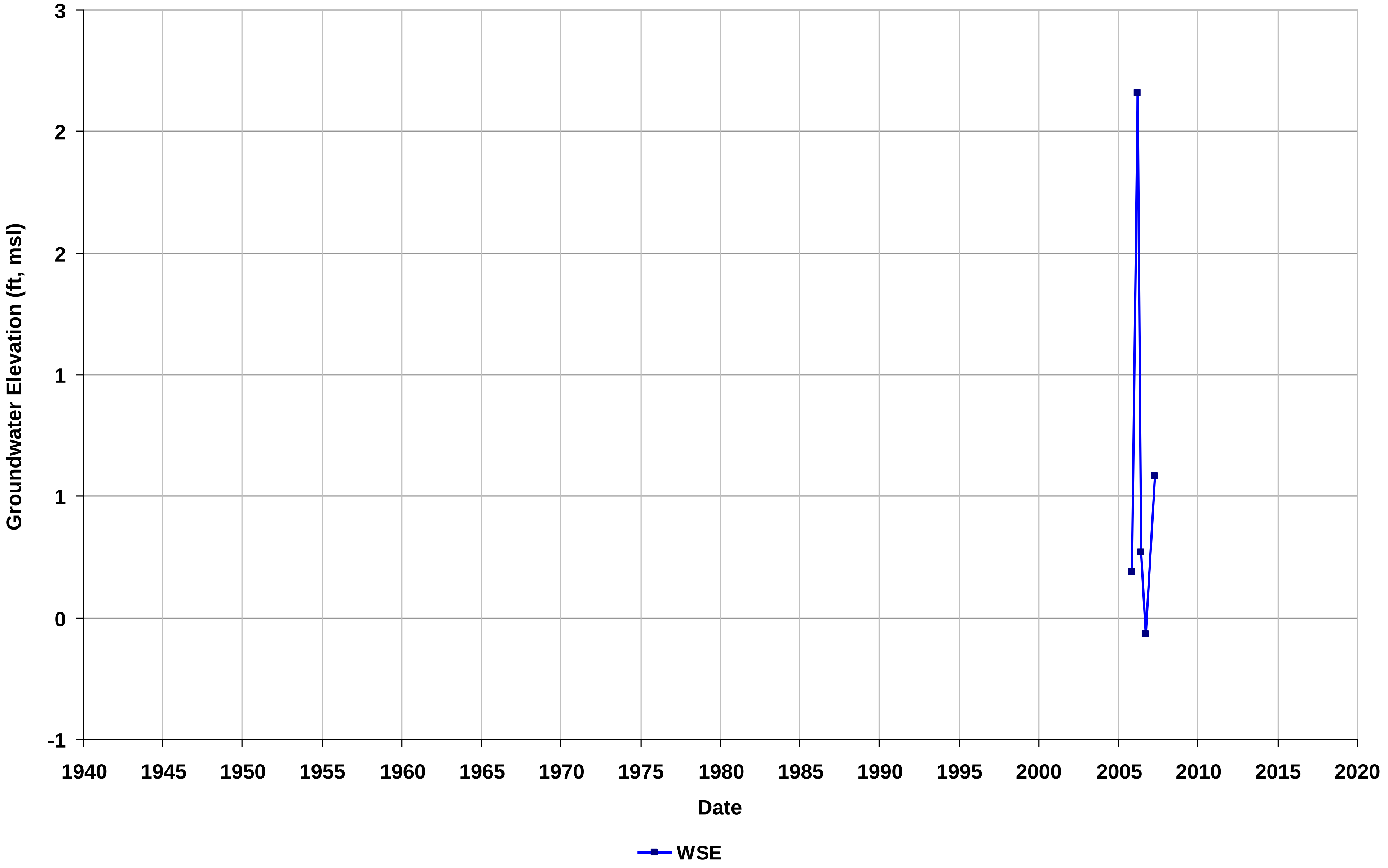
Well Name: T0600100031-MW-8
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



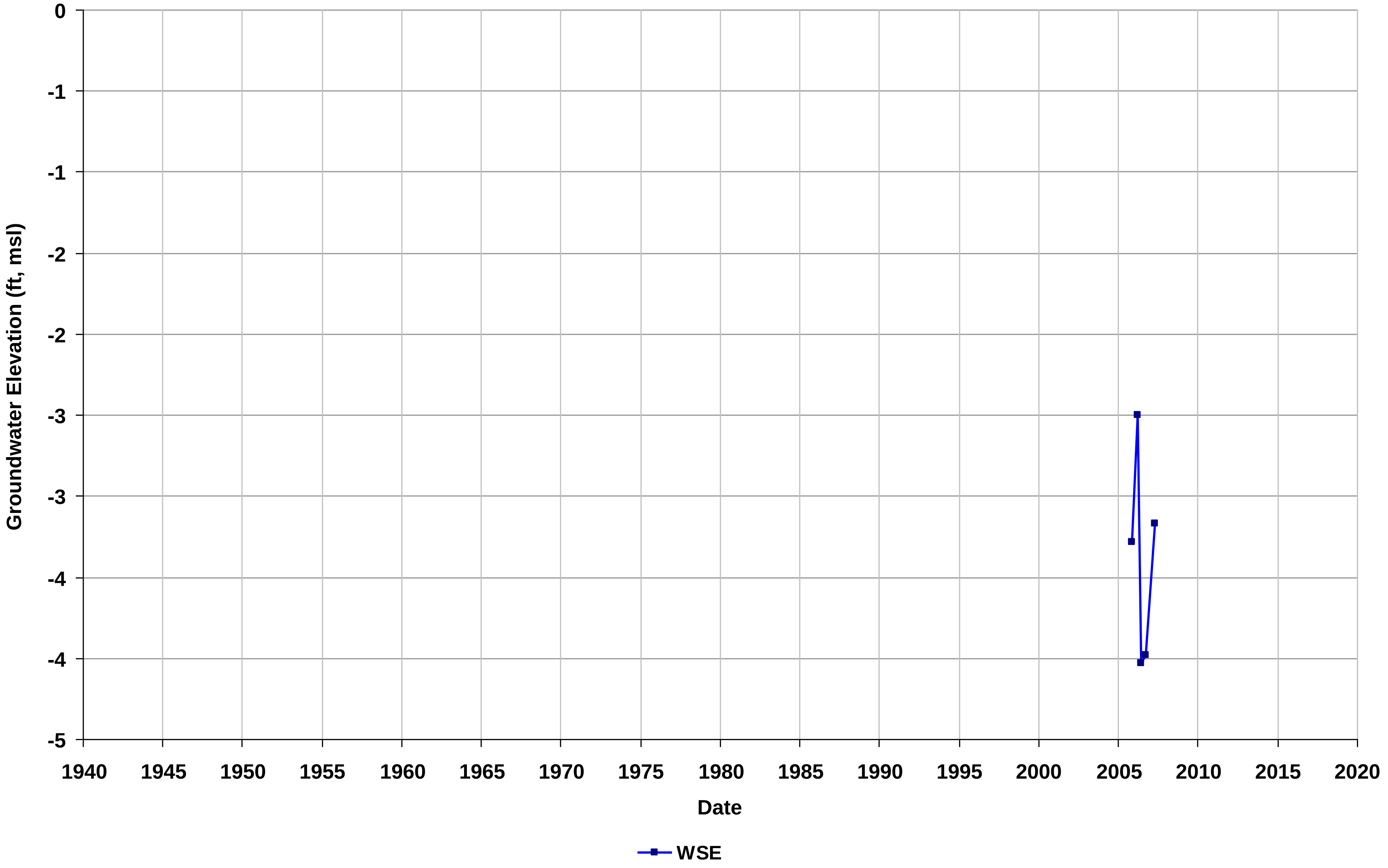
Well Name: T0600100063-MW-10
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/16
Well Use: Observation



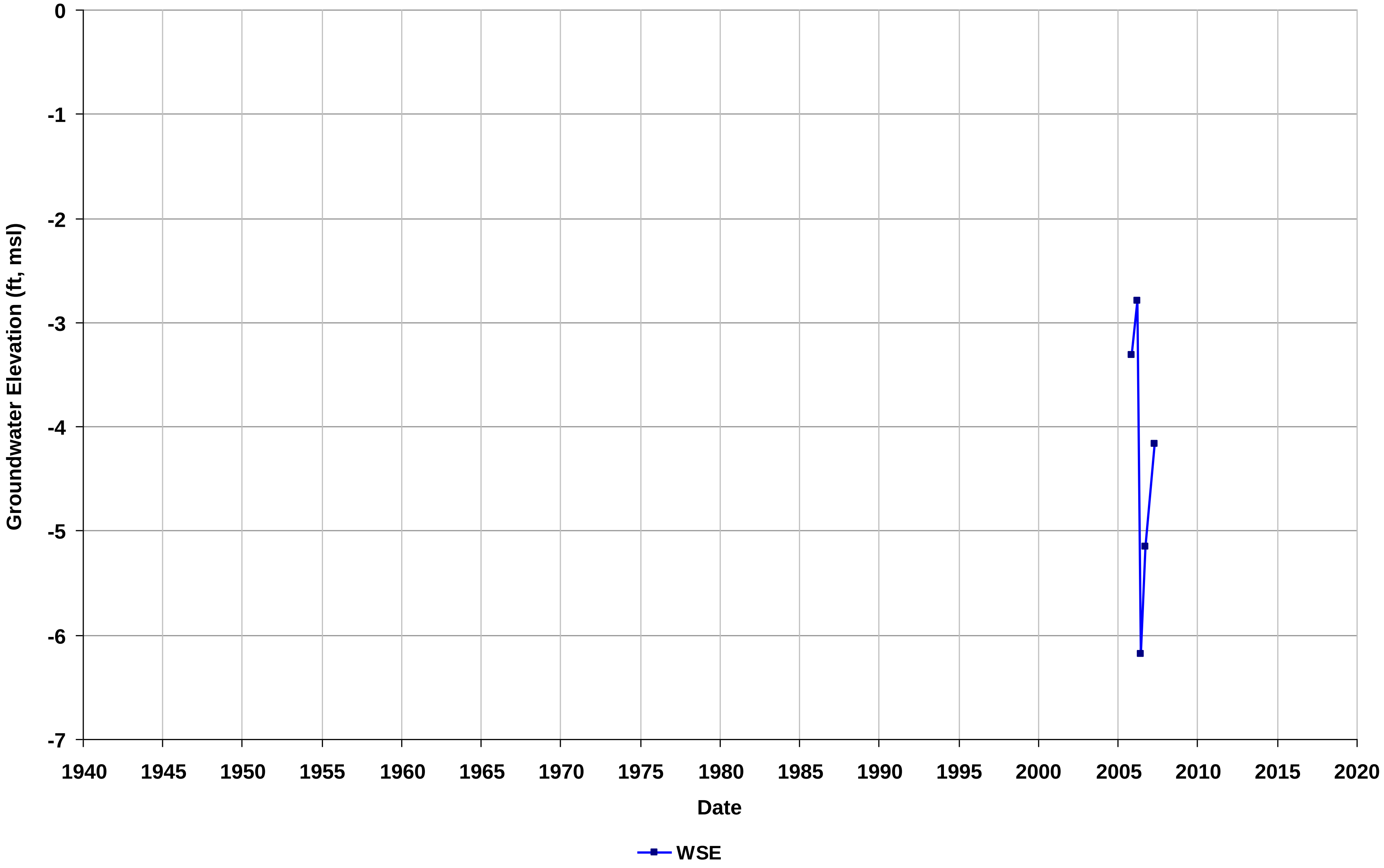
Well Name: T0600100063-MW-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/09
Well Use: Observation



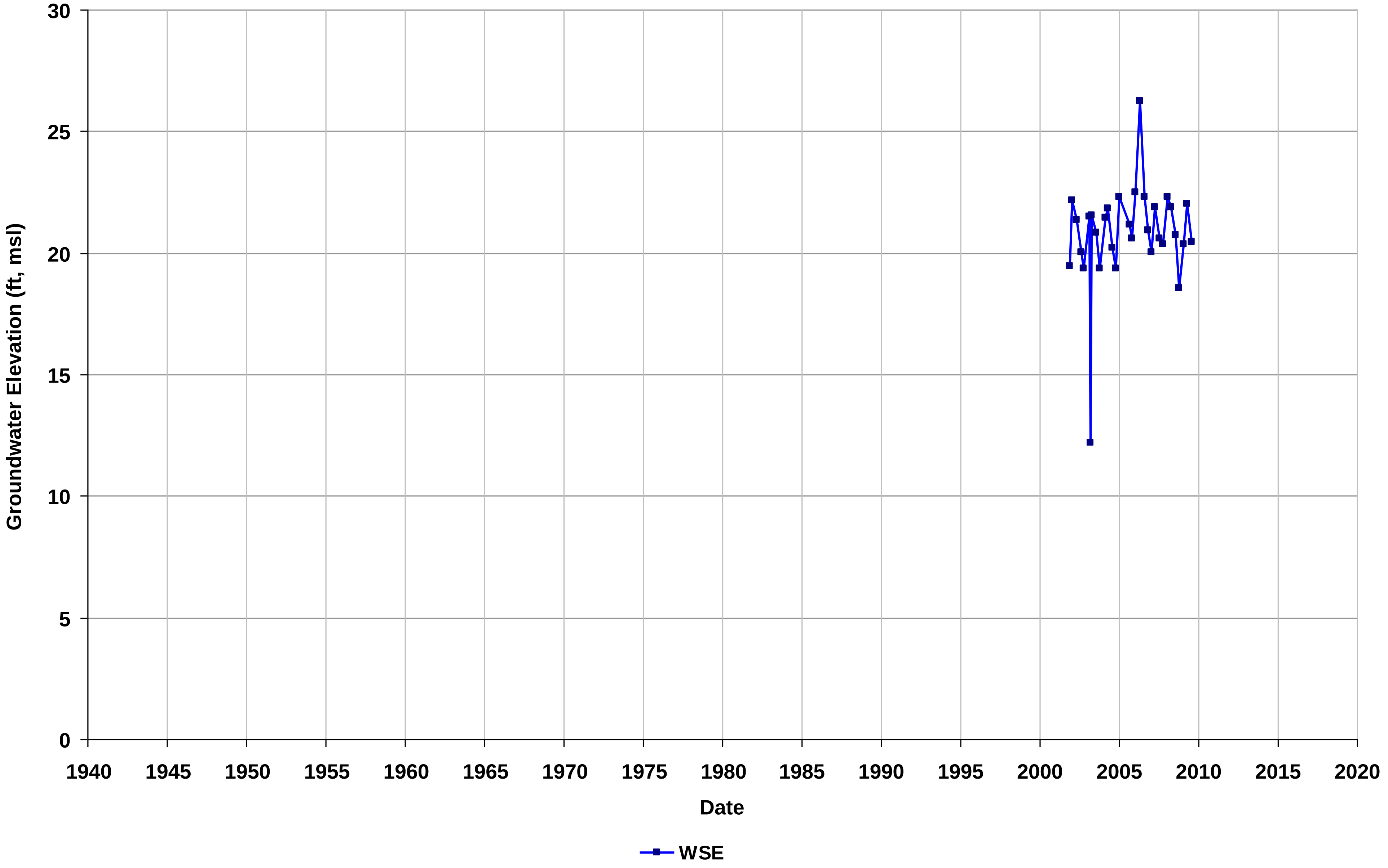
Well Name: T0600100063-MW-9
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/16
Well Use: Observation



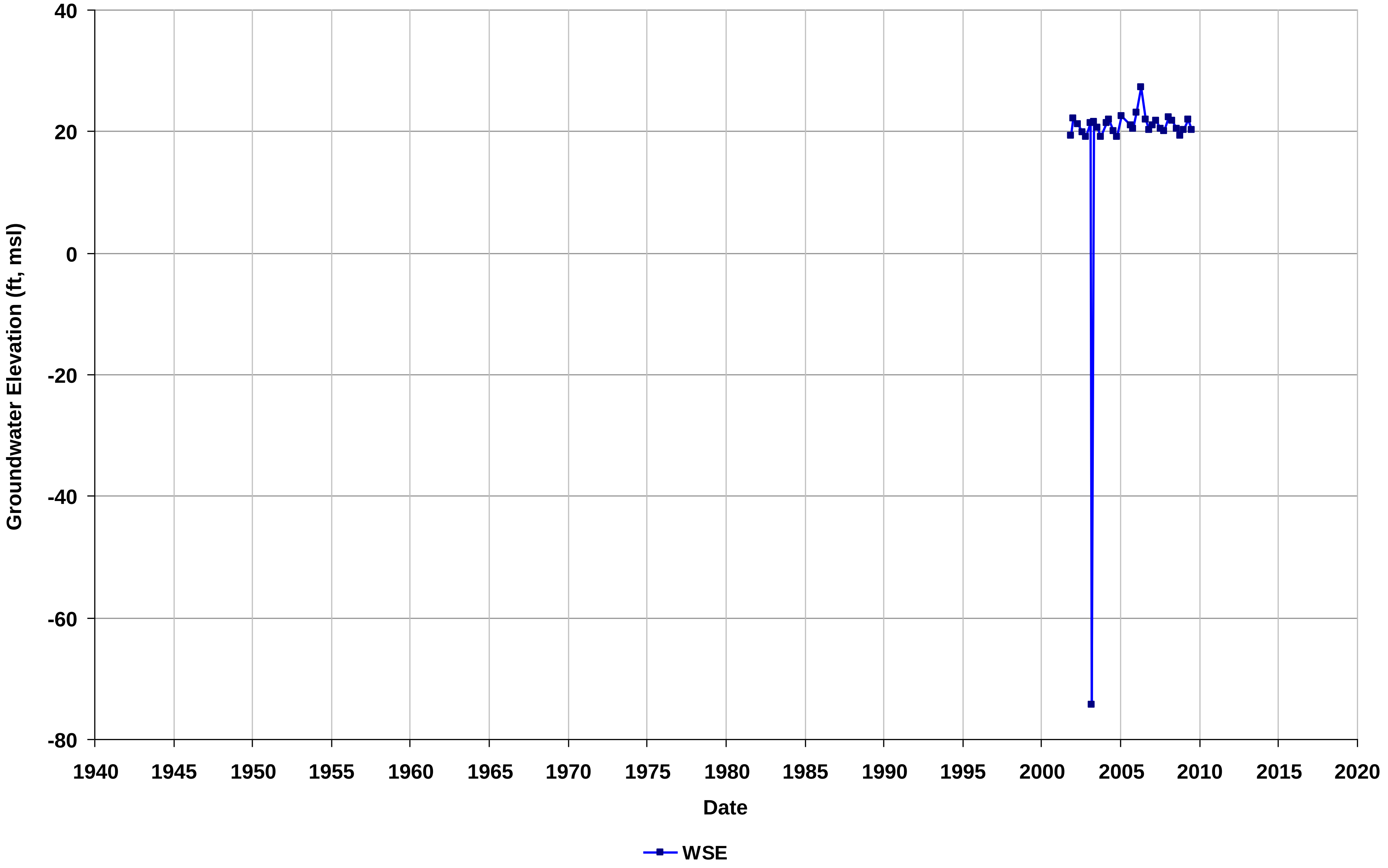
Well Name: T0600100069-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/26
Well Use: Observation



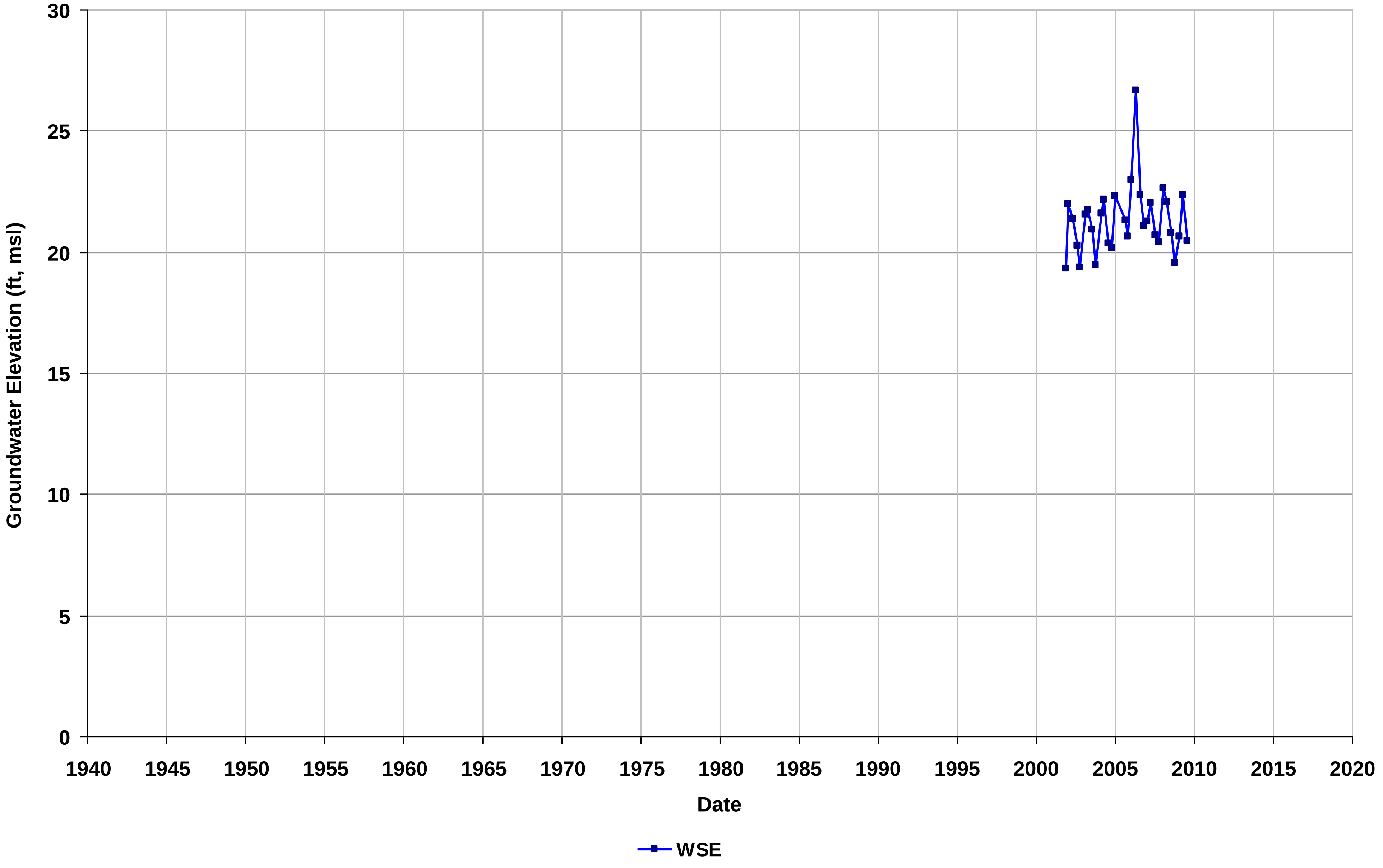
Well Name: T0600100069-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/26
Well Use: Observation



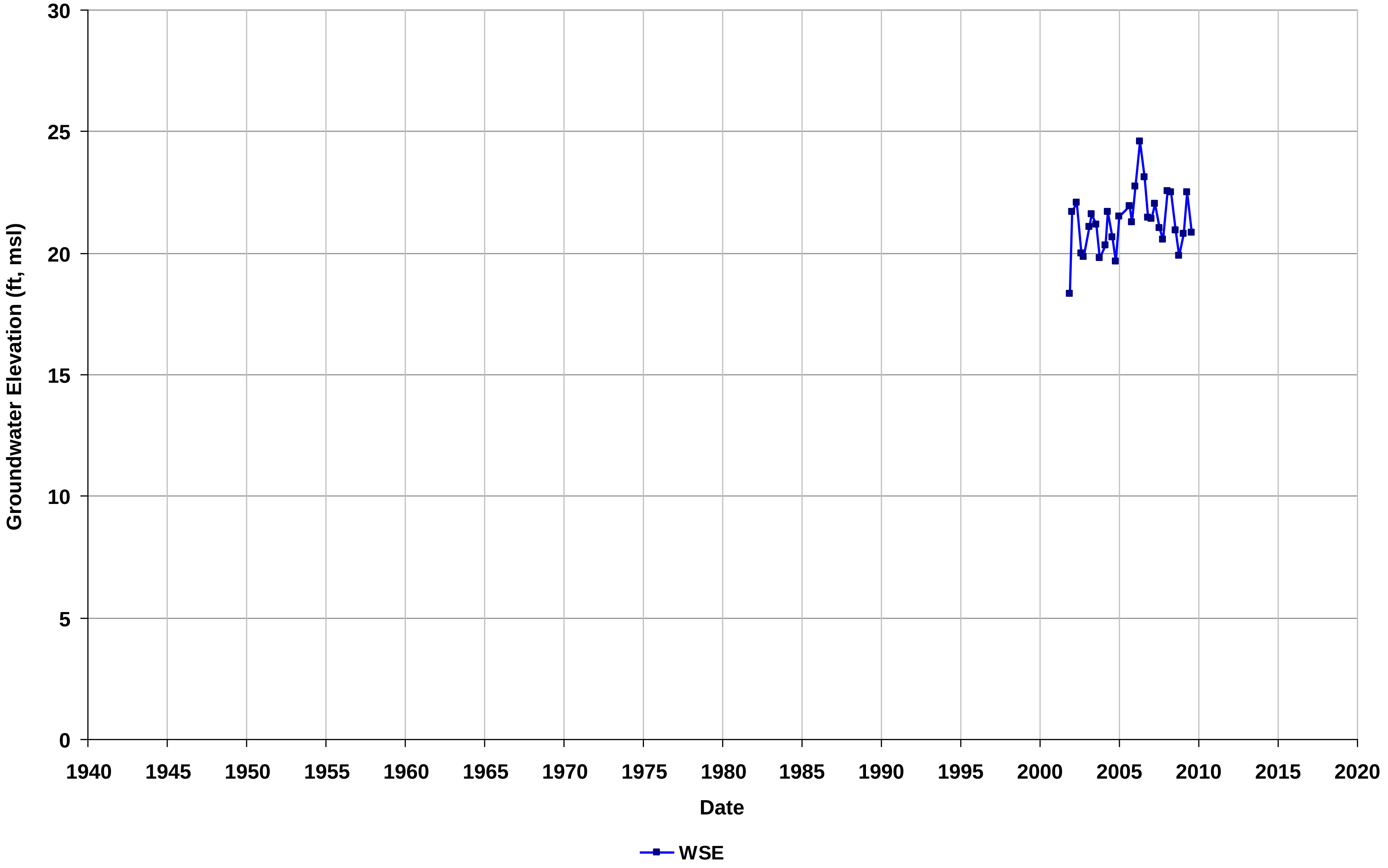
Well Name: T0600100069-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/26
Well Use: Observation



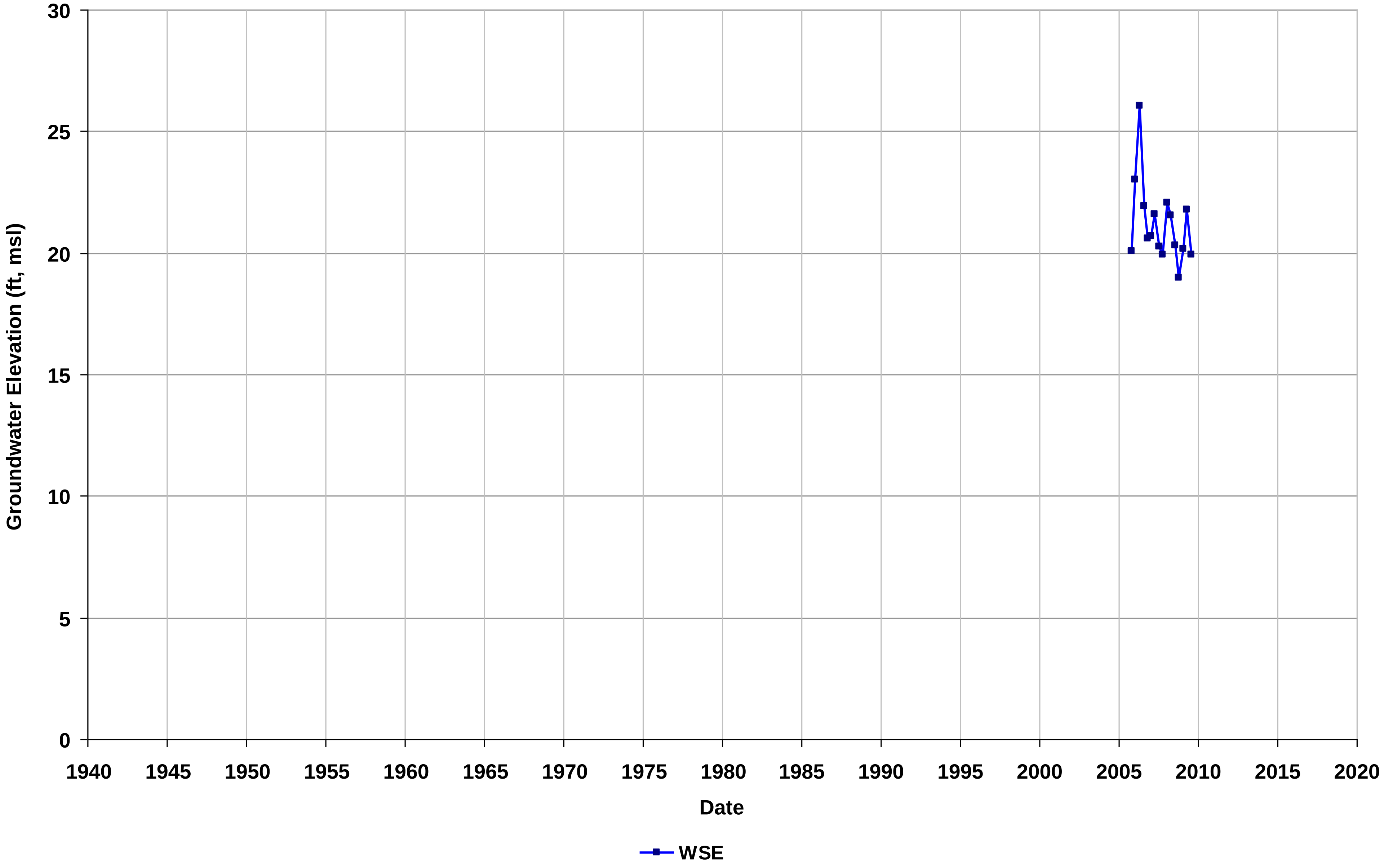
Well Name: T0600100069-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/26
Well Use: Observation



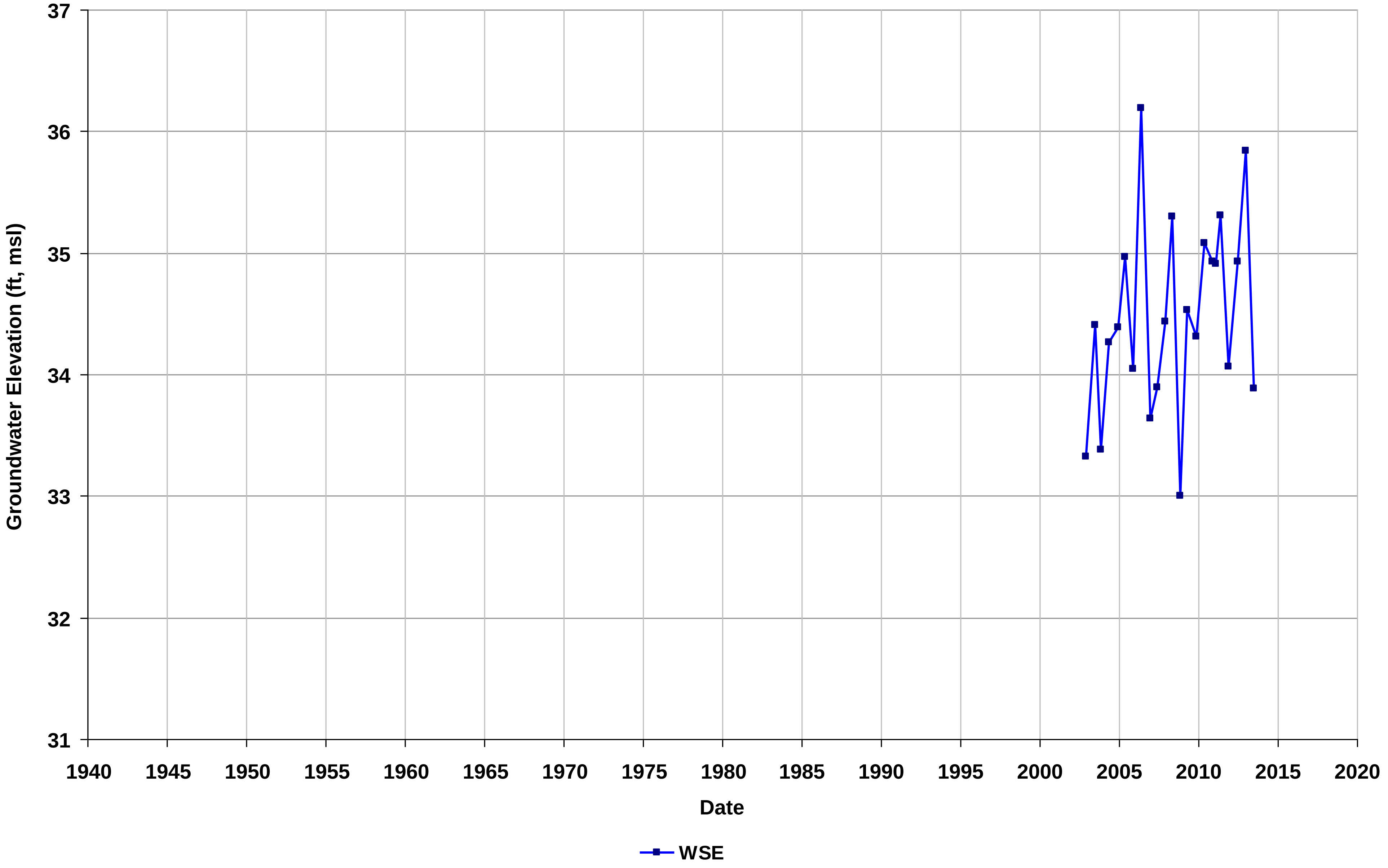
Well Name: T0600100069-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/26
Well Use: Observation



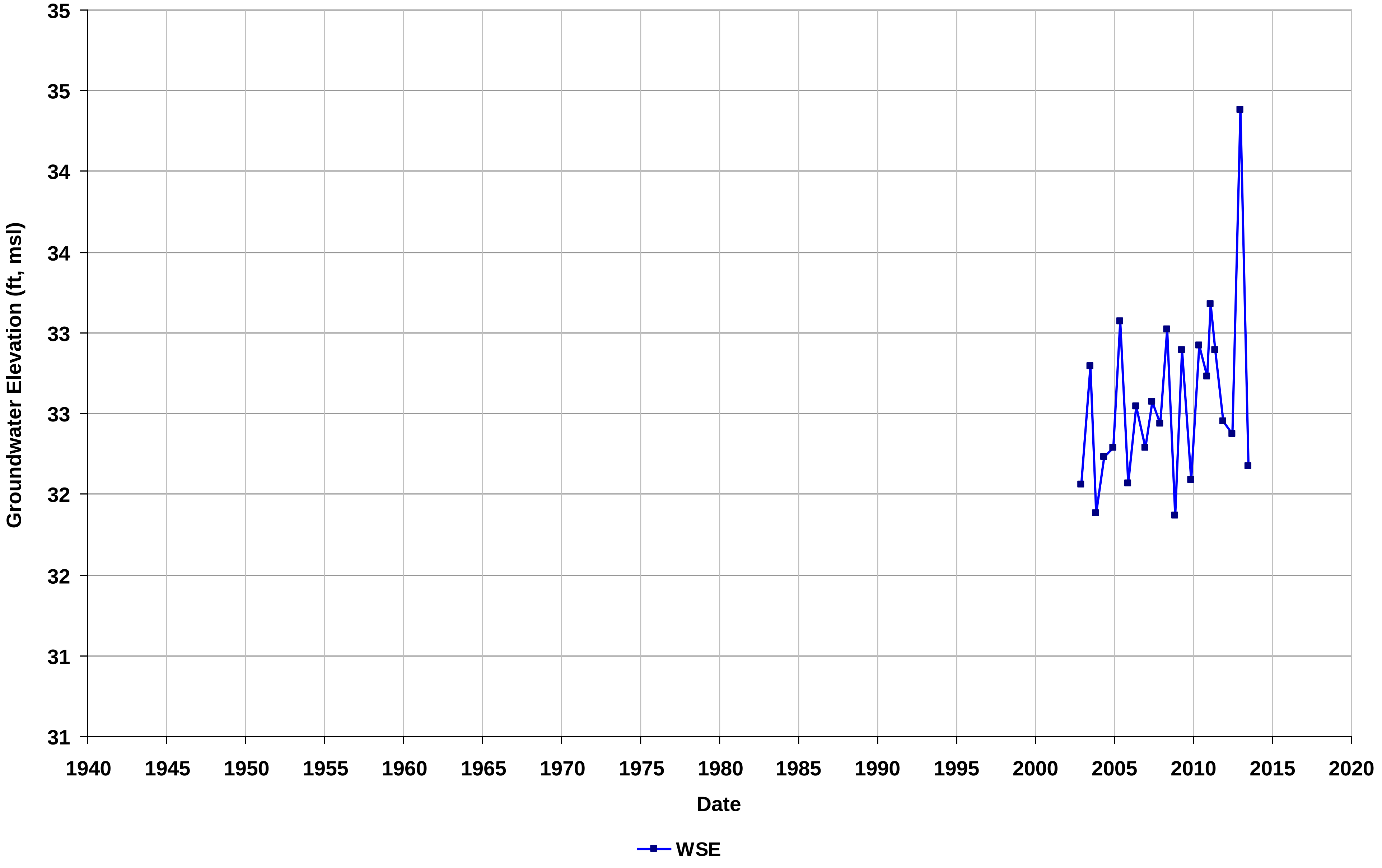
Well Name: T0600100081-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/33
Well Use: Observation



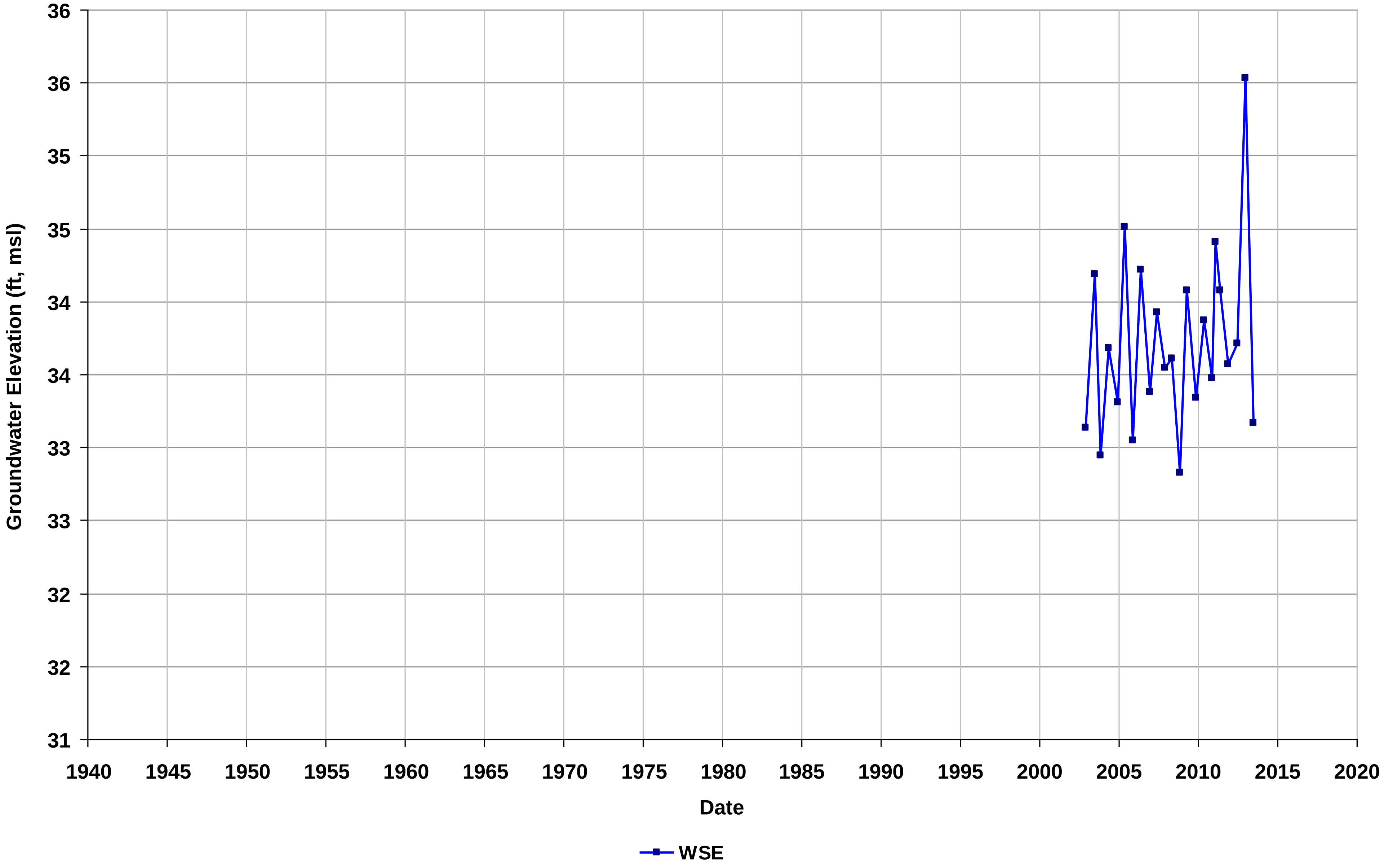
Well Name: T0600100081-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/33
Well Use: Observation



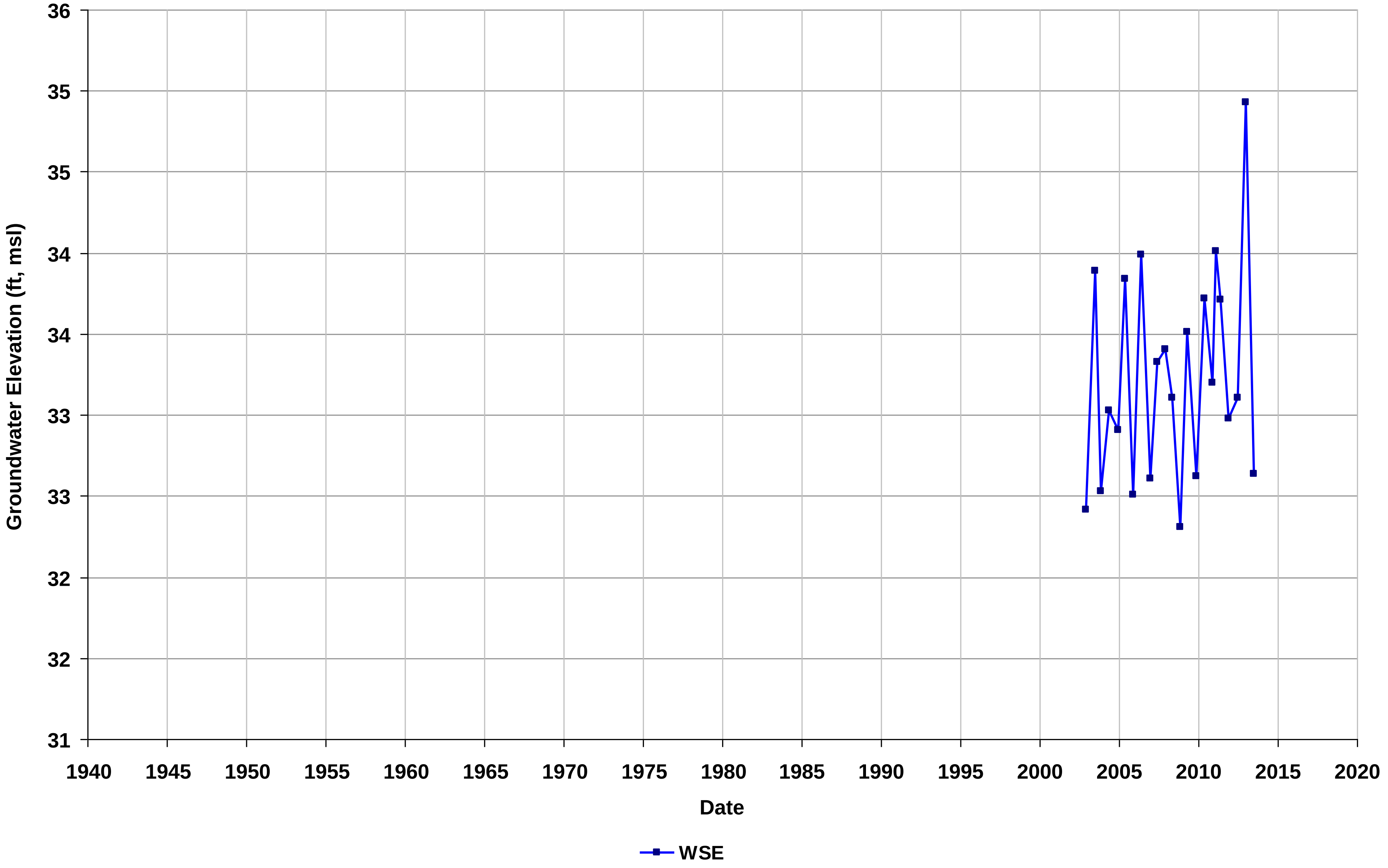
Well Name: T0600100081-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/33
Well Use: Observation



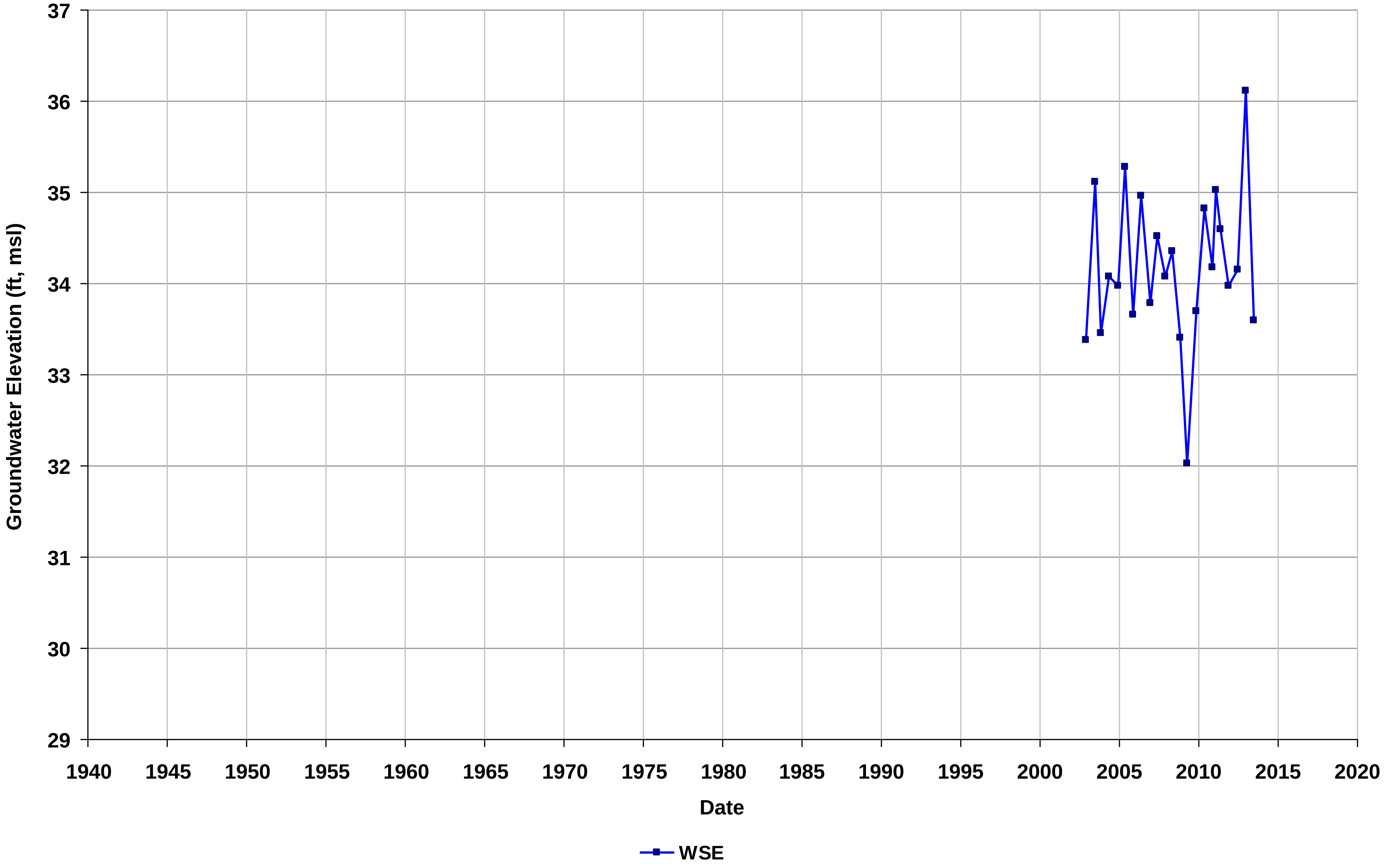
Well Name: T0600100081-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/33
Well Use: Observation



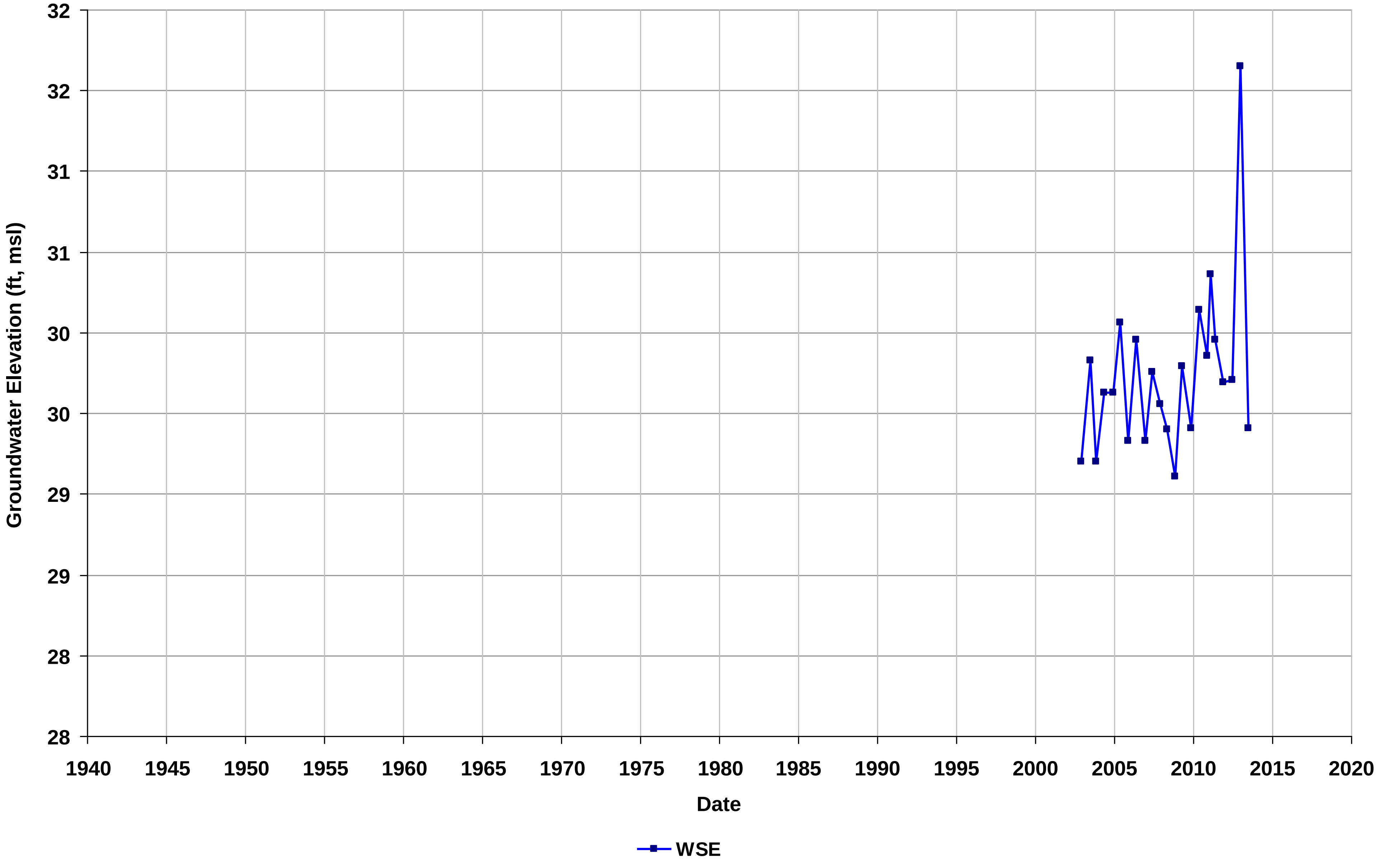
Well Name: T0600100081-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/33
Well Use: Observation



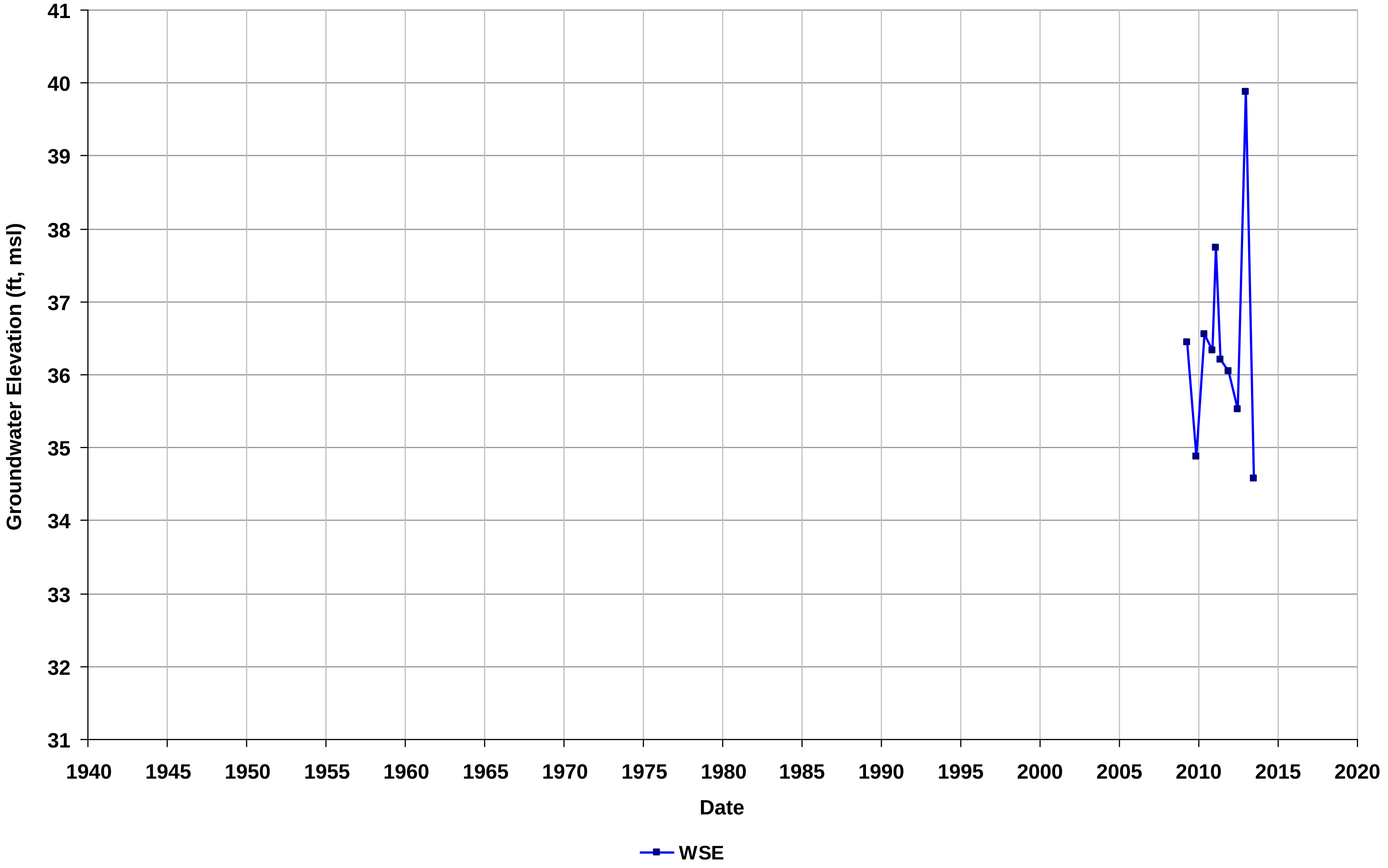
Well Name: T0600100081-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/33
Well Use: Observation



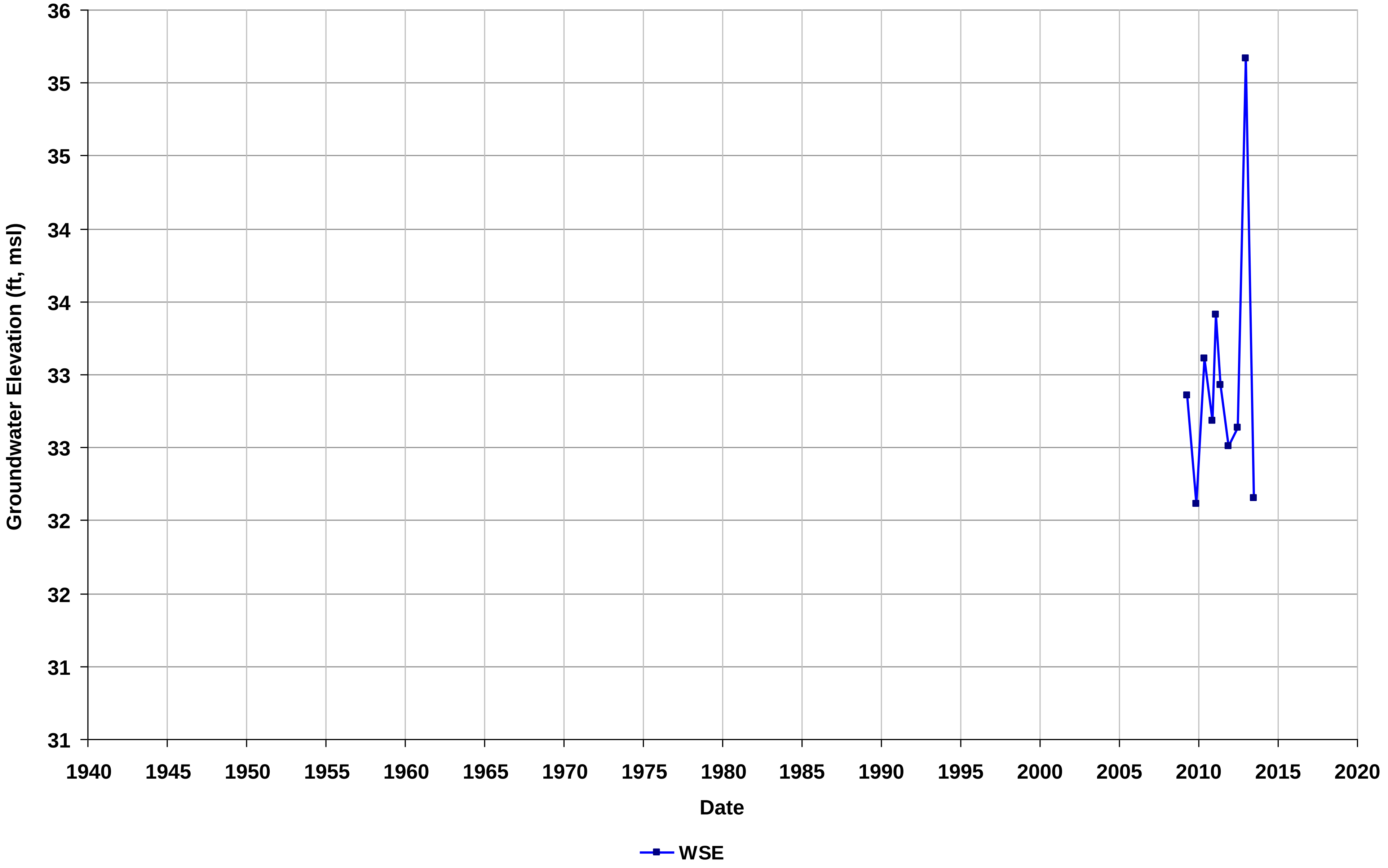
Well Name: T0600100081-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/33
Well Use: Observation



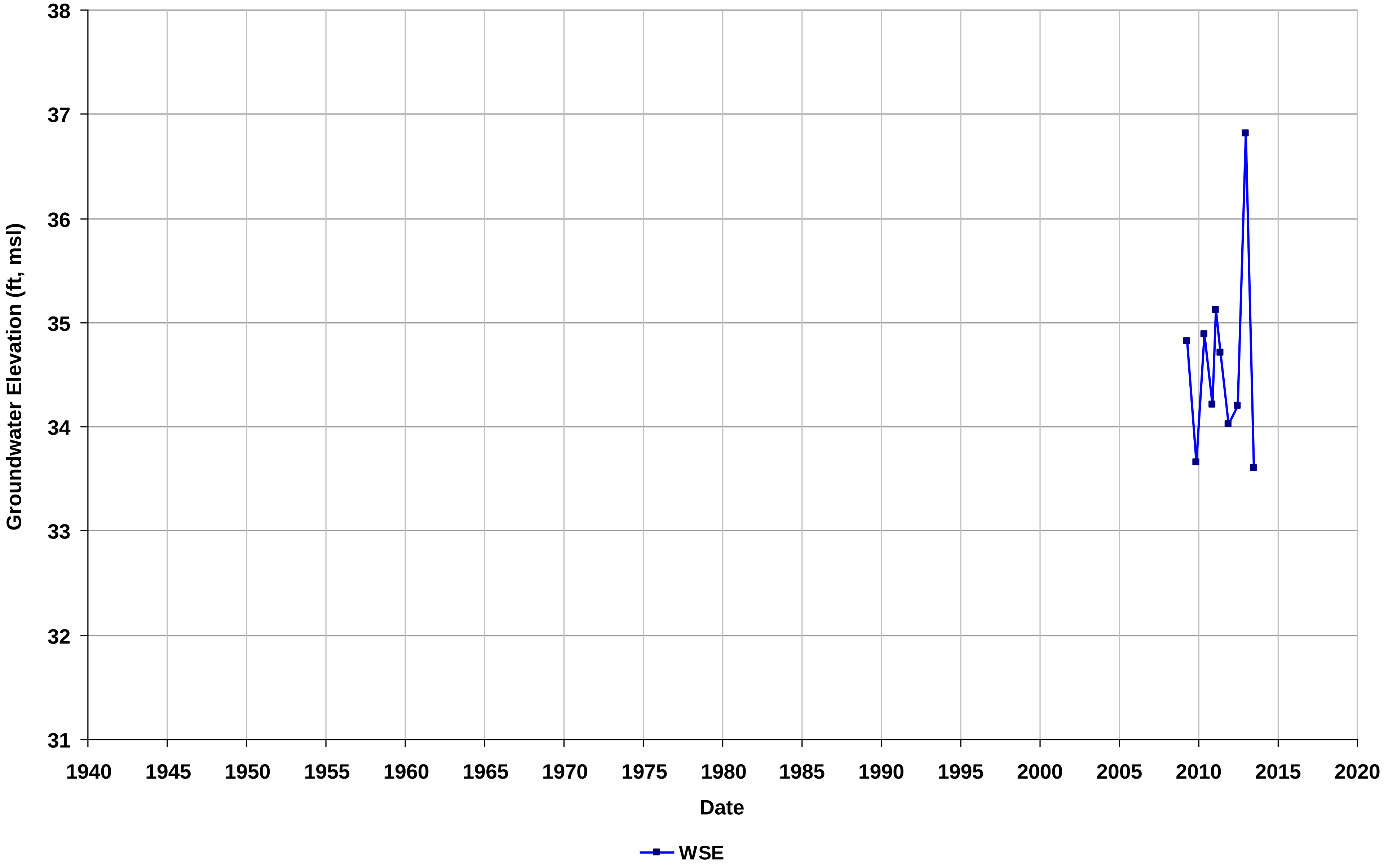
Well Name: T0600100081-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/33
Well Use: Observation



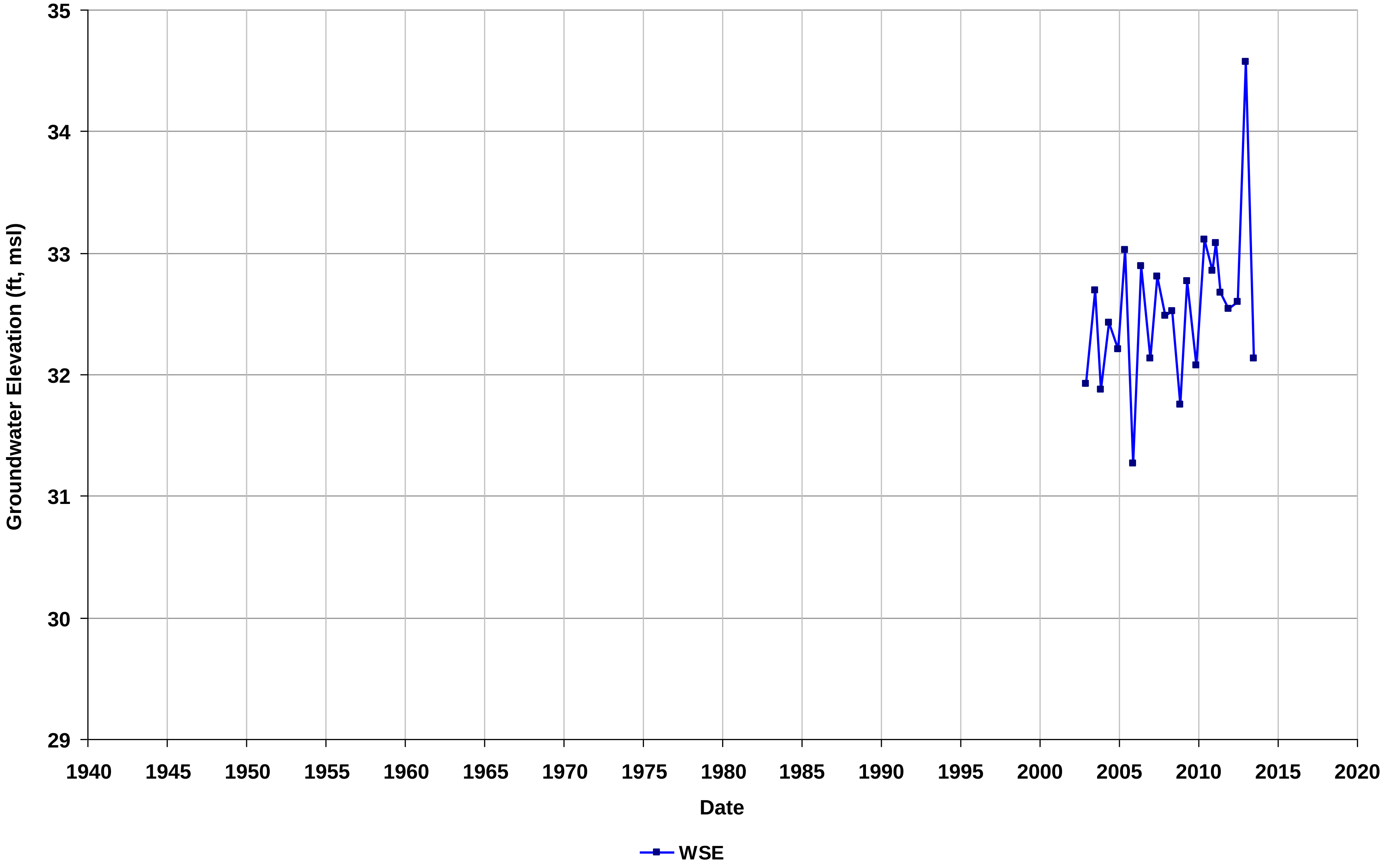
Well Name: T0600100081-MW-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/33
Well Use: Observation



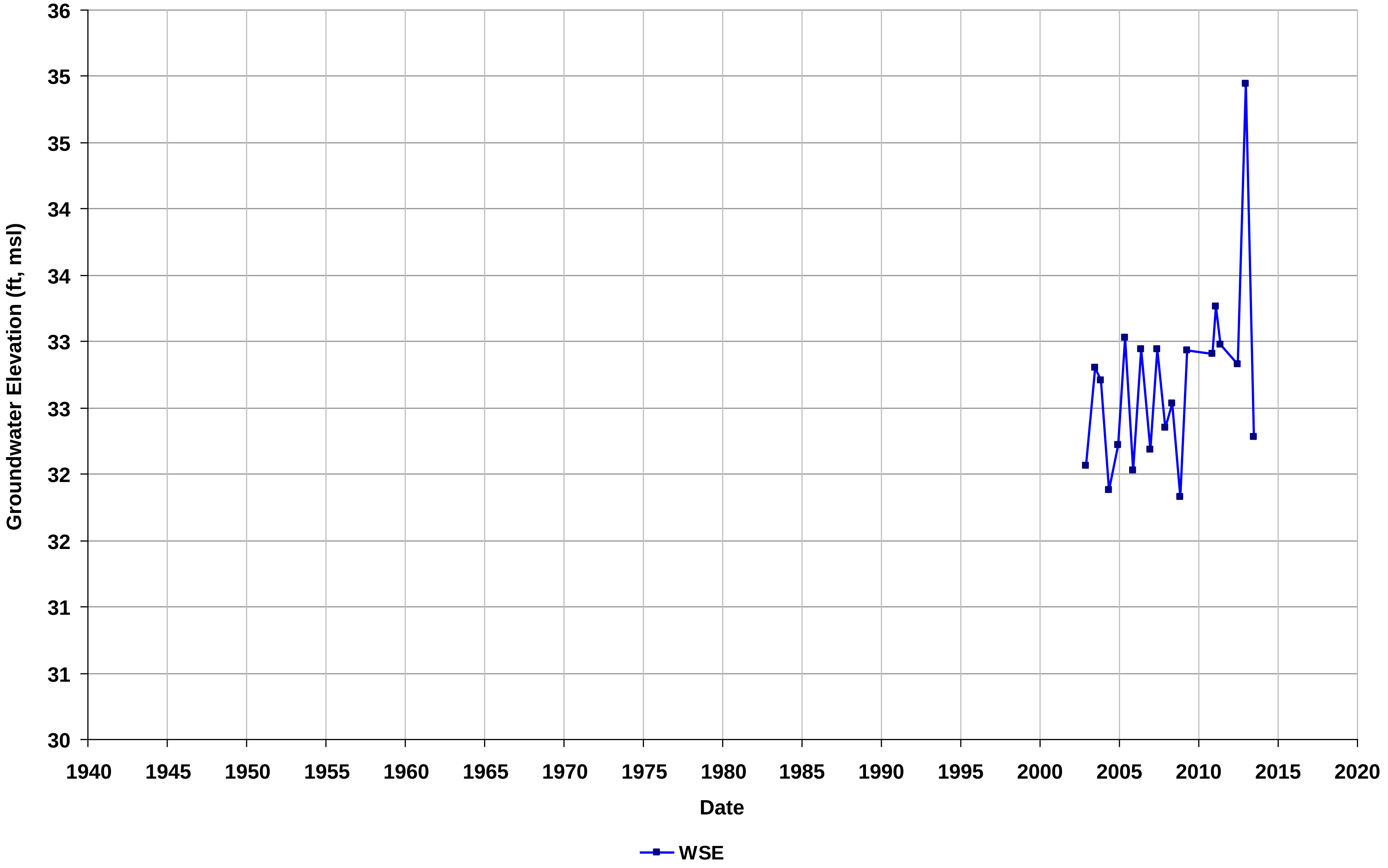
Well Name: T0600100081-RW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/33
Well Use: Observation



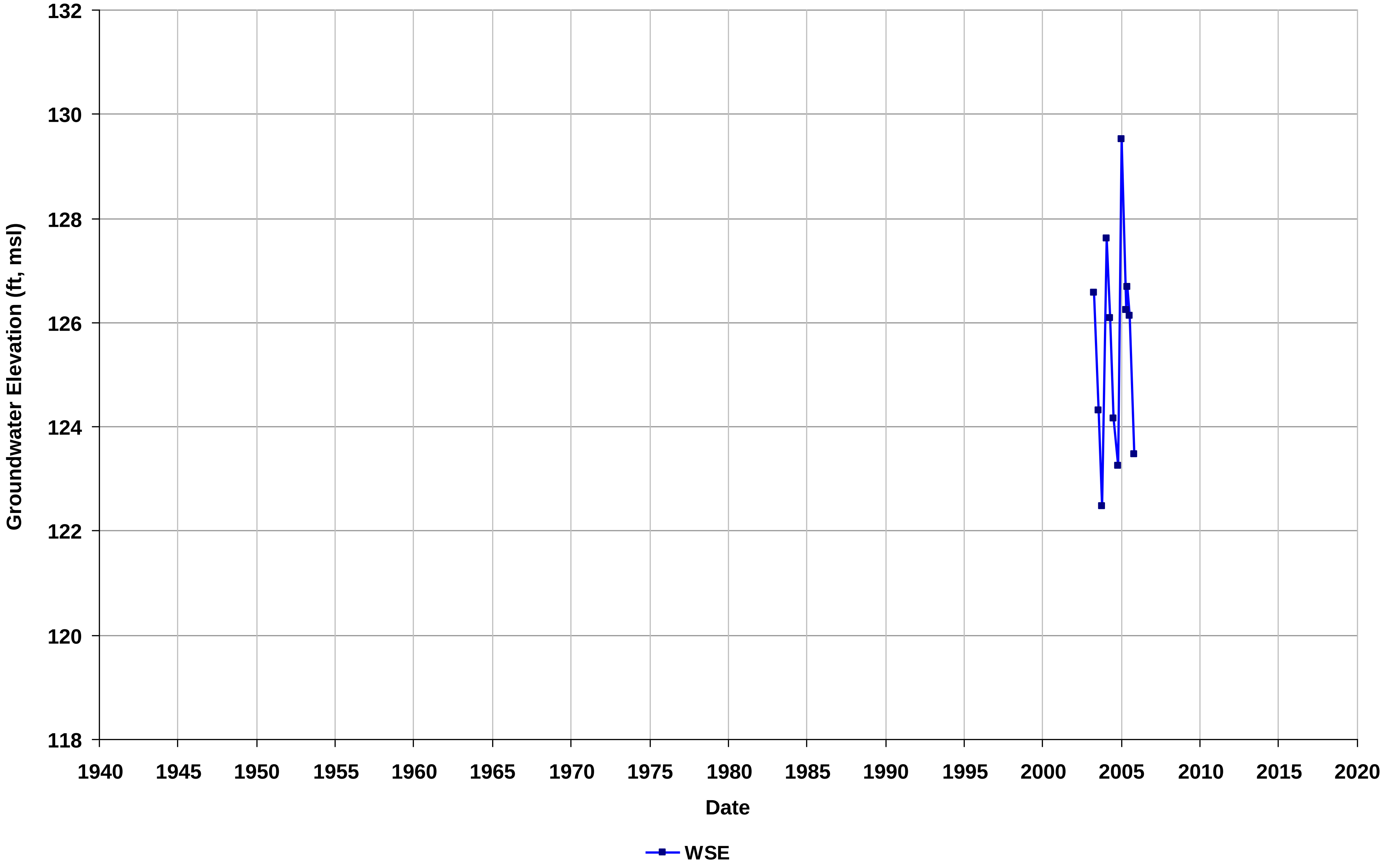
Well Name: T0600100081-S-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/33
Well Use: Observation



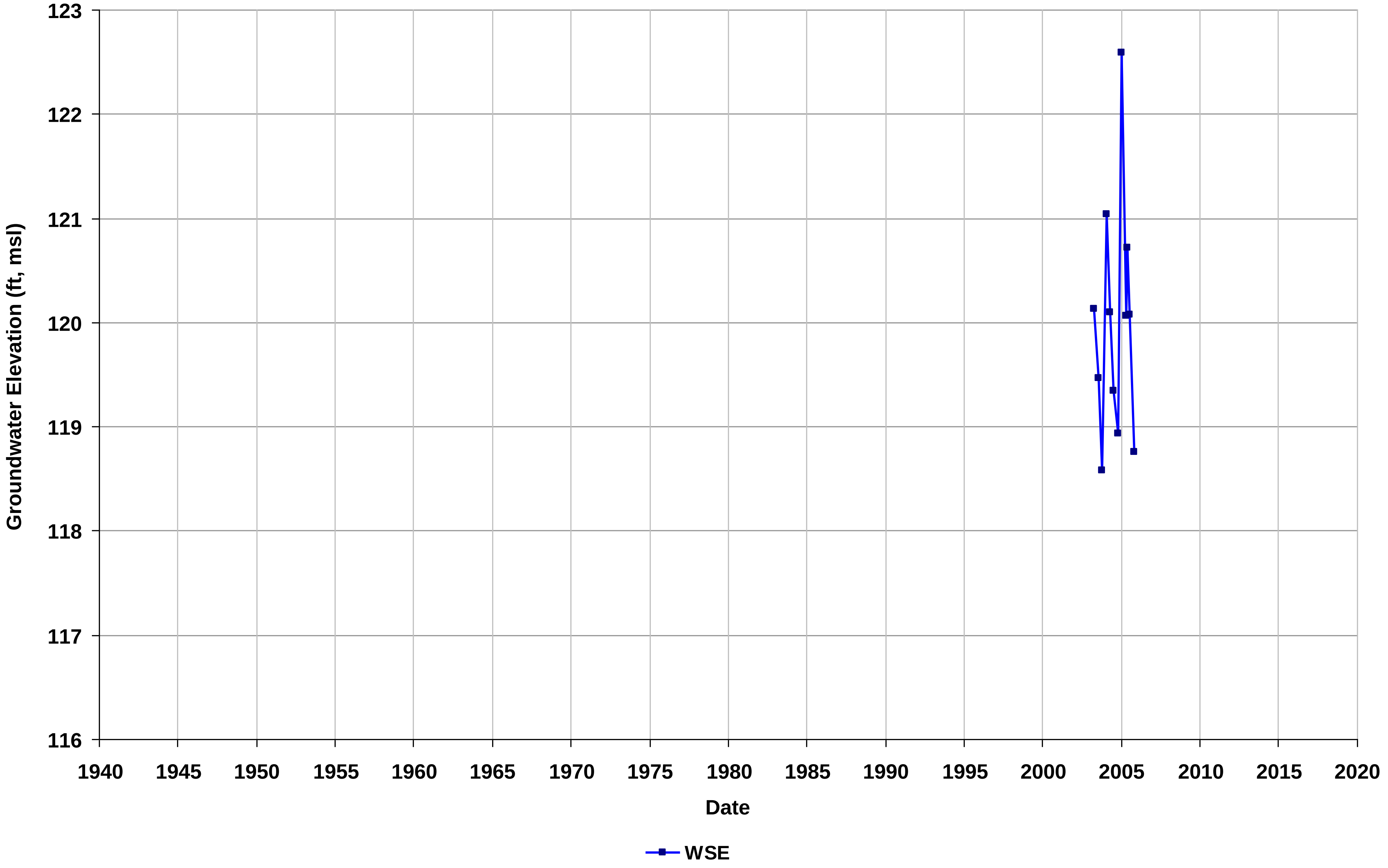
Well Name: T0600100092-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



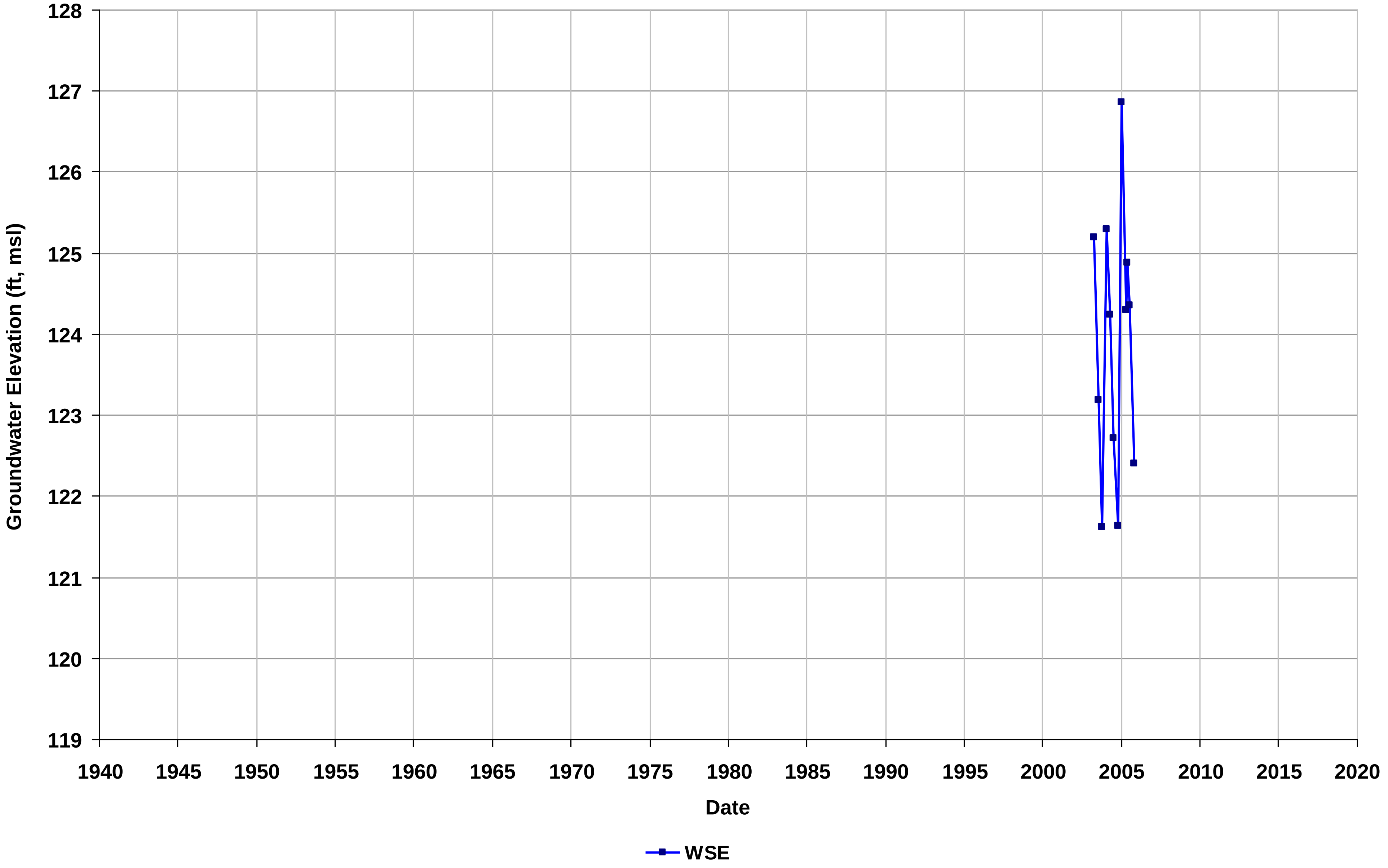
Well Name: T0600100092-MW-10
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



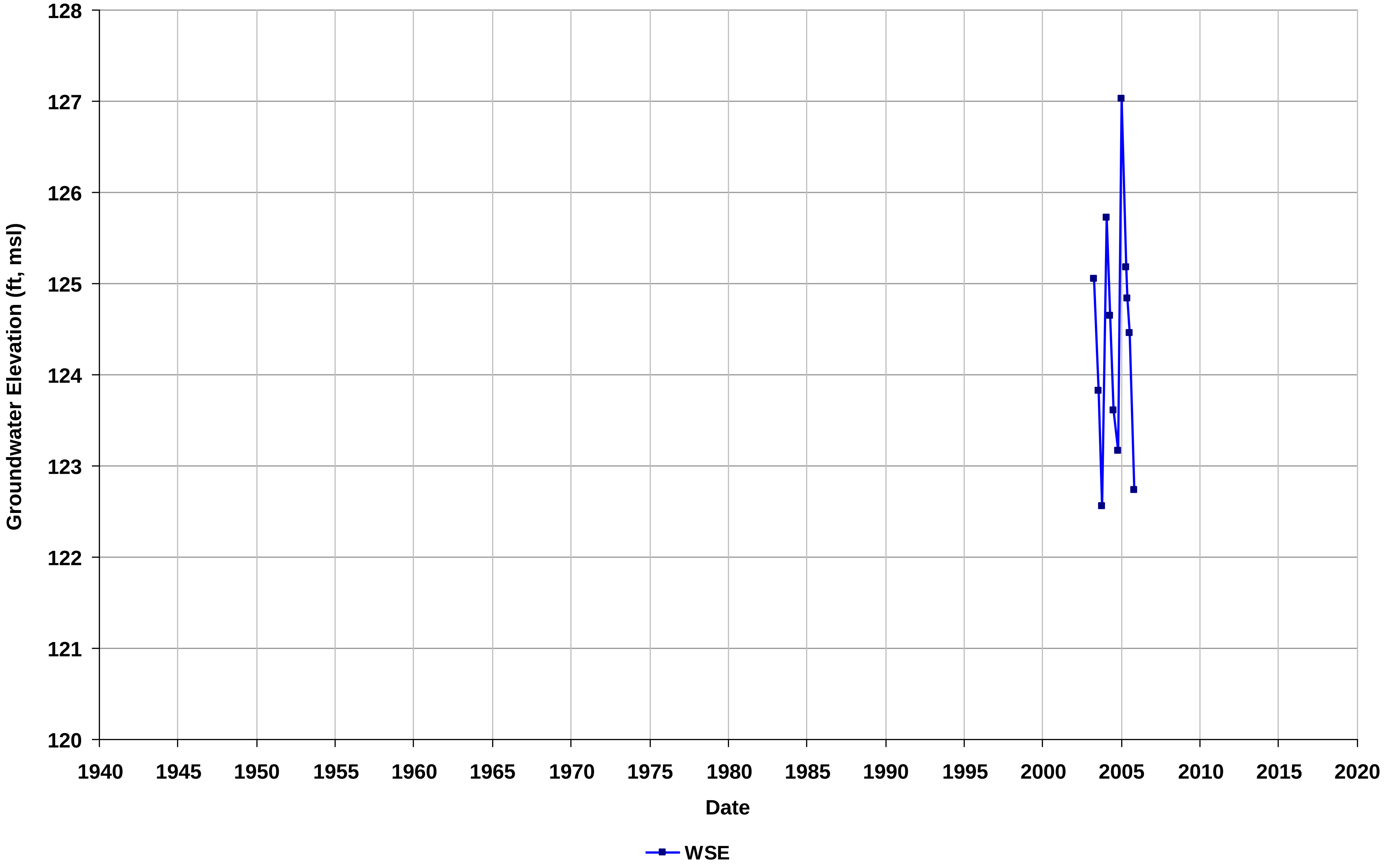
Well Name: T0600100092-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



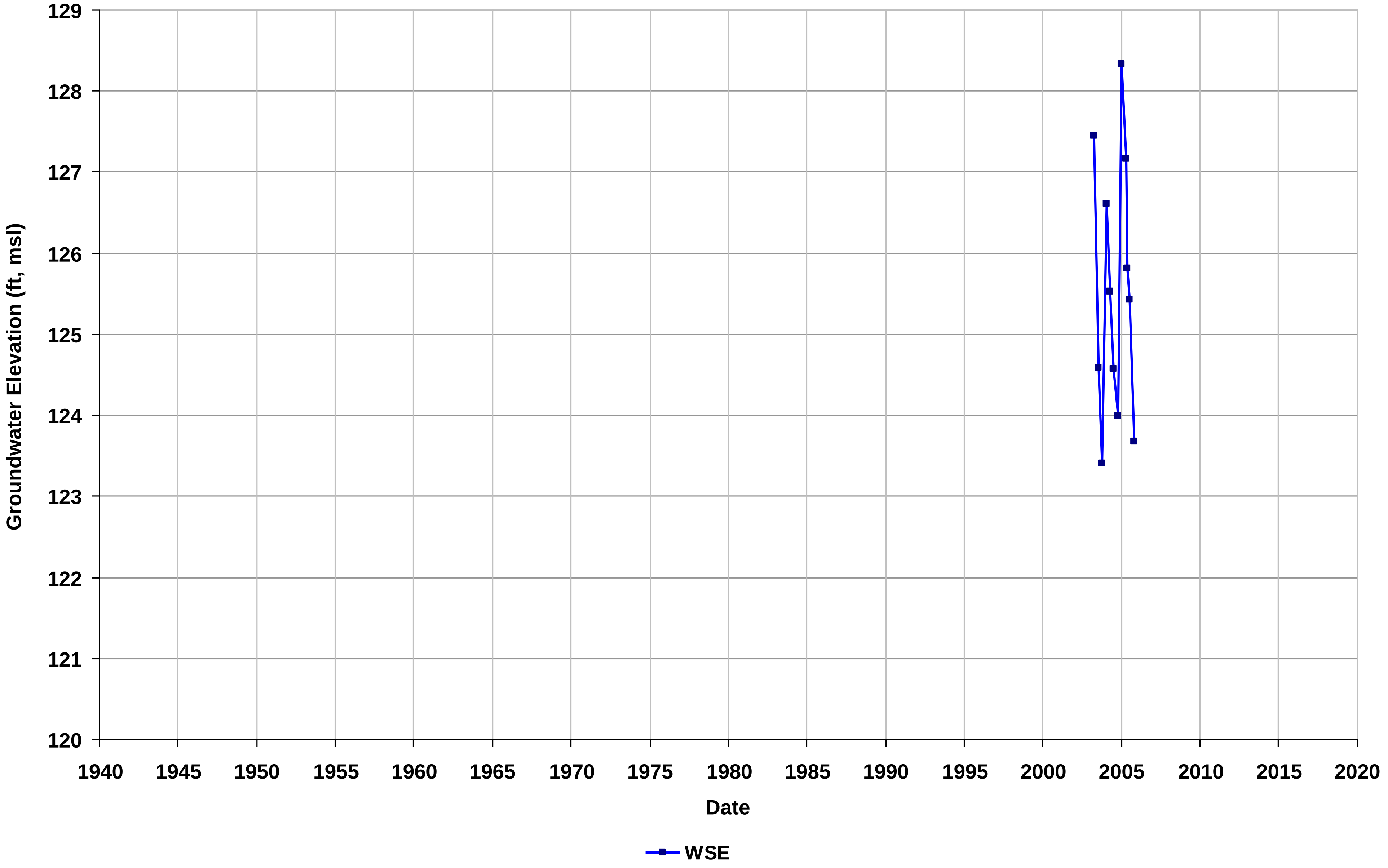
Well Name: T0600100092-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



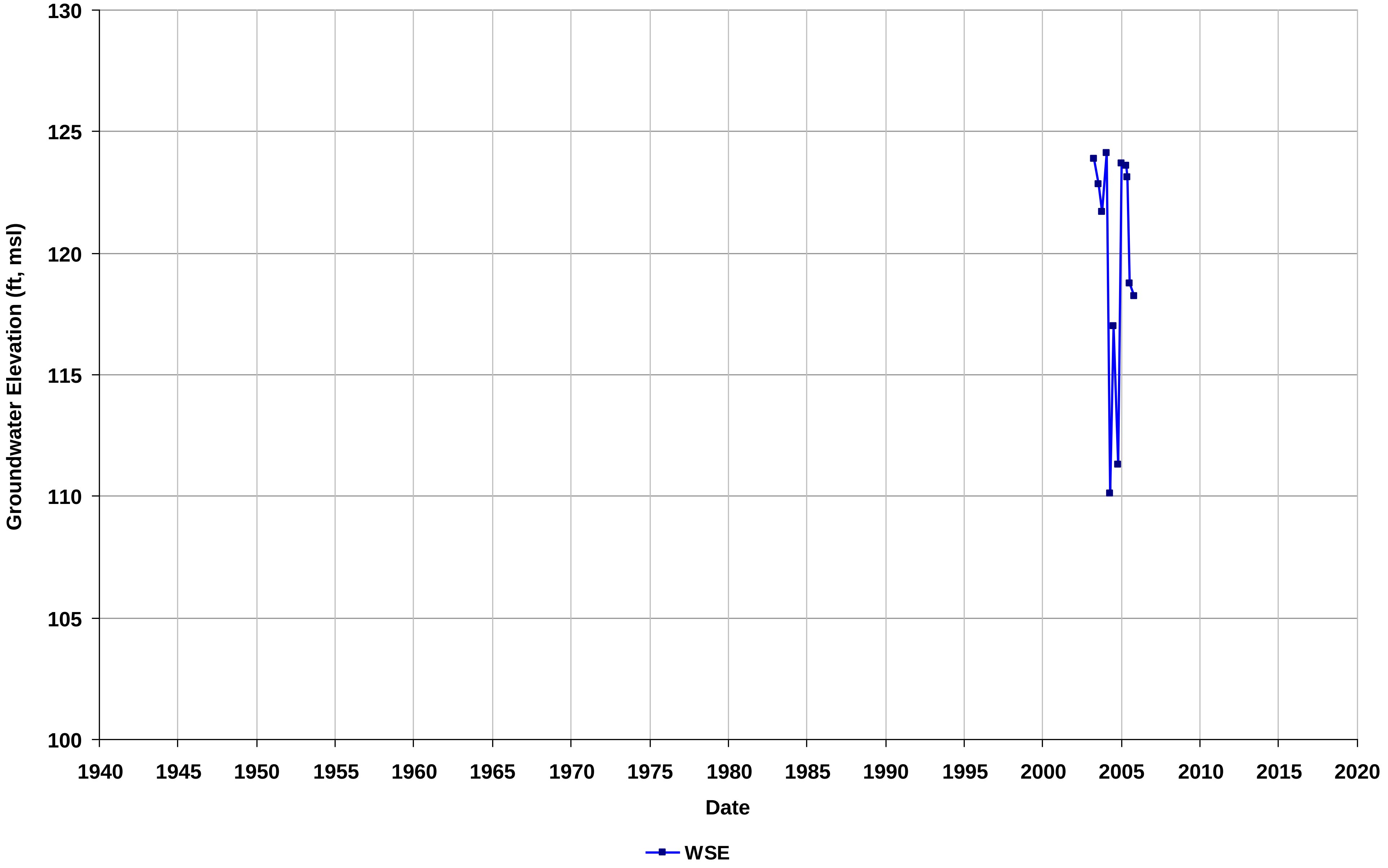
Well Name: T0600100092-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



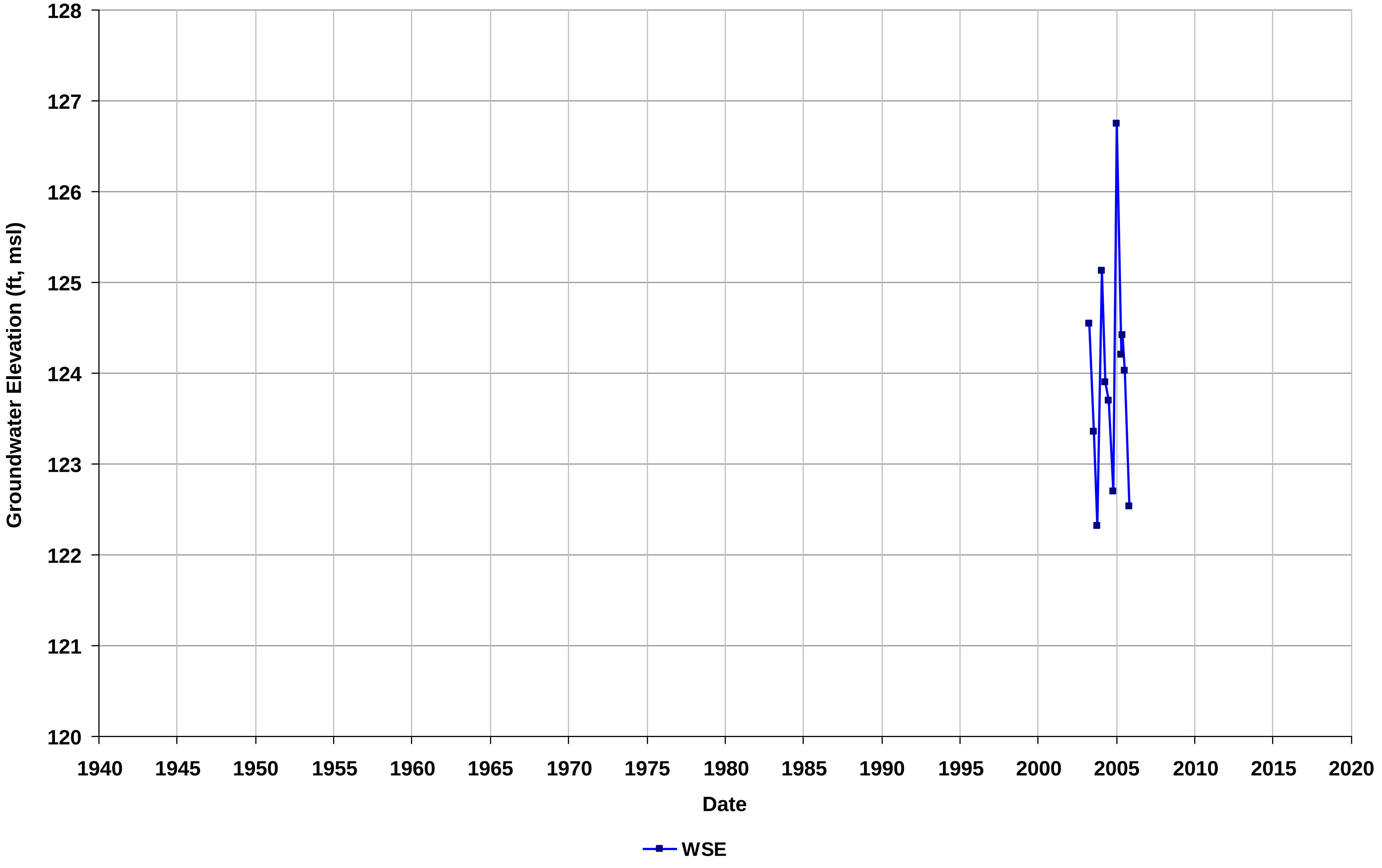
Well Name: T0600100092-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



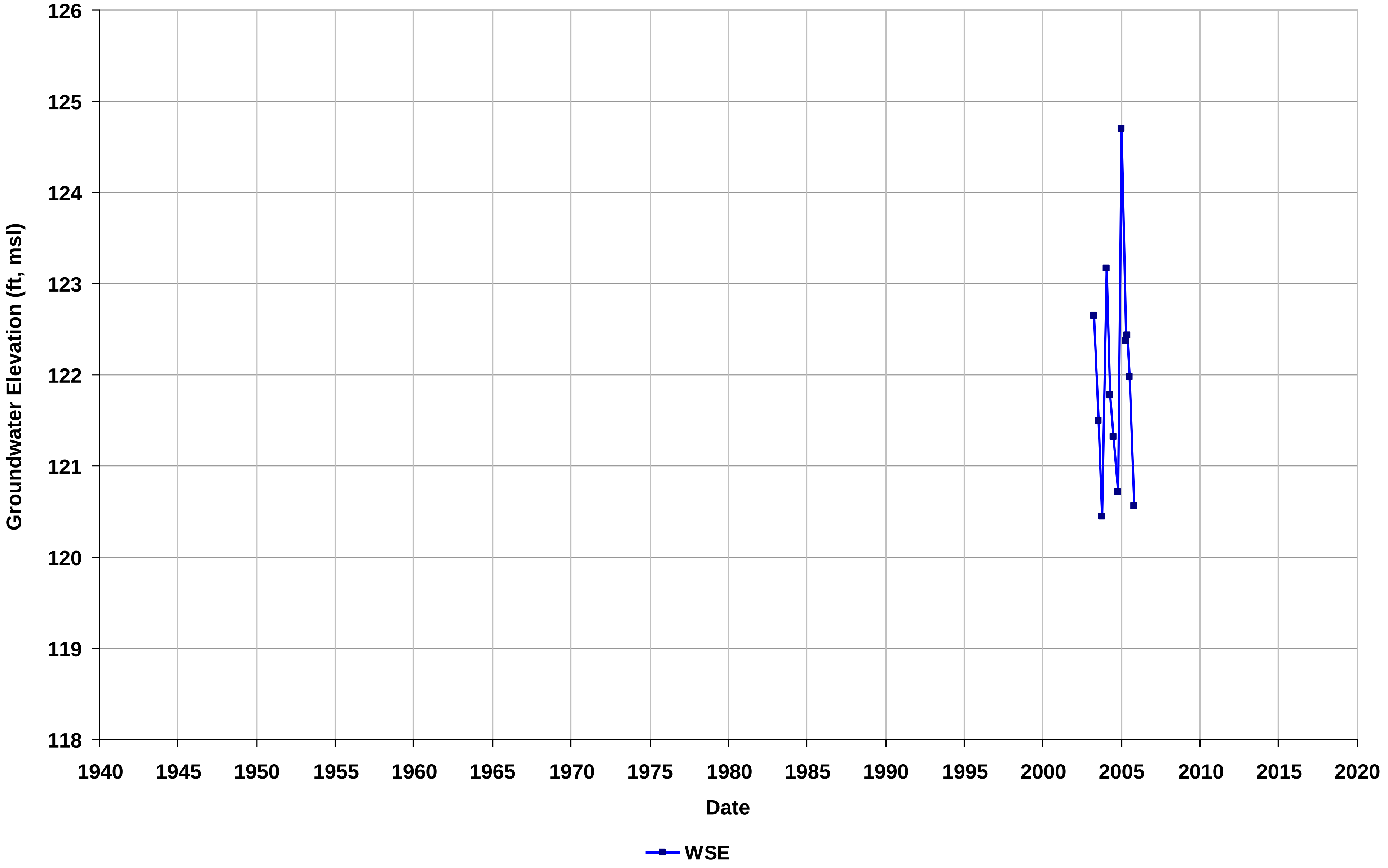
Well Name: T0600100092-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



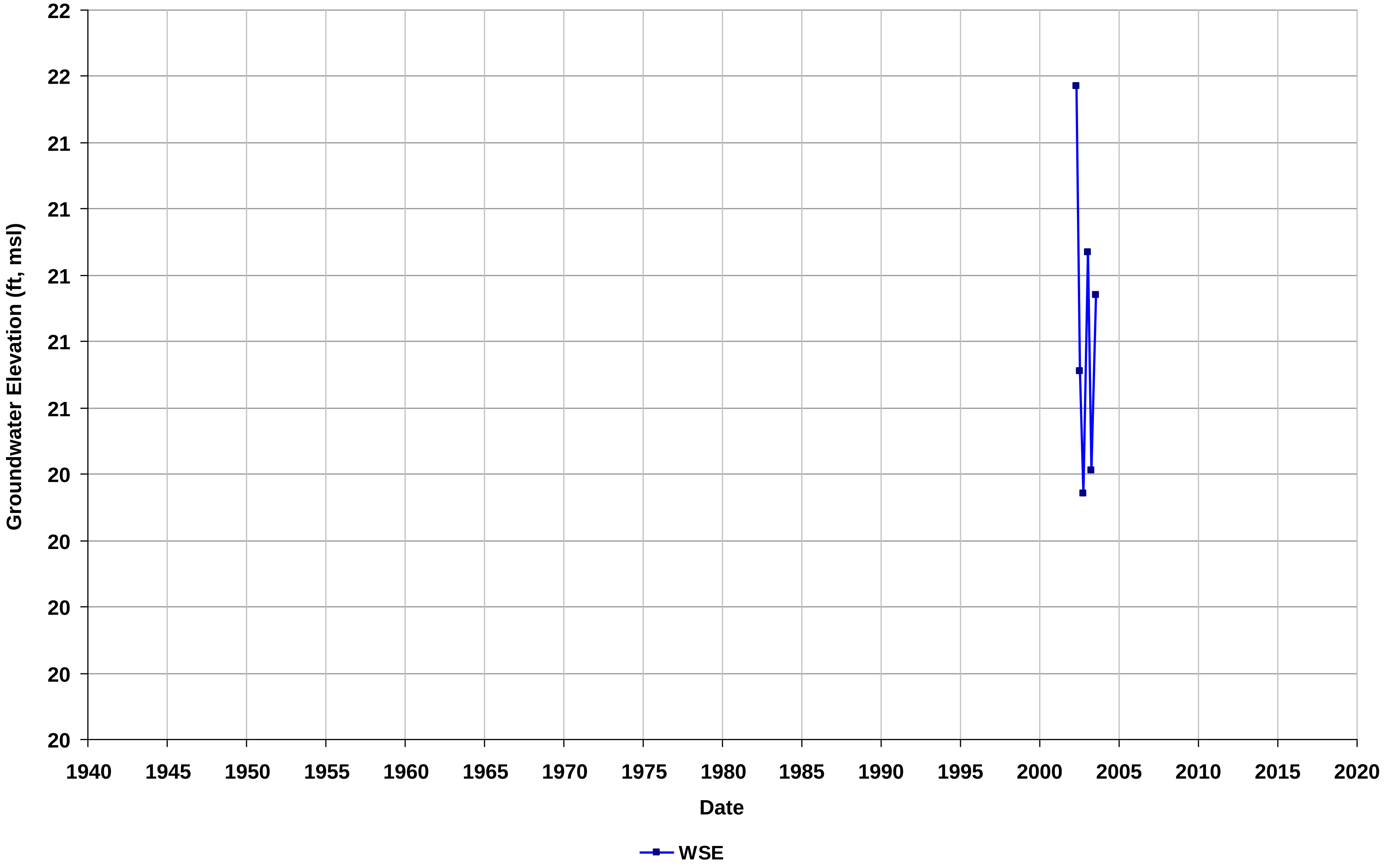
Well Name: T0600100092-MW-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



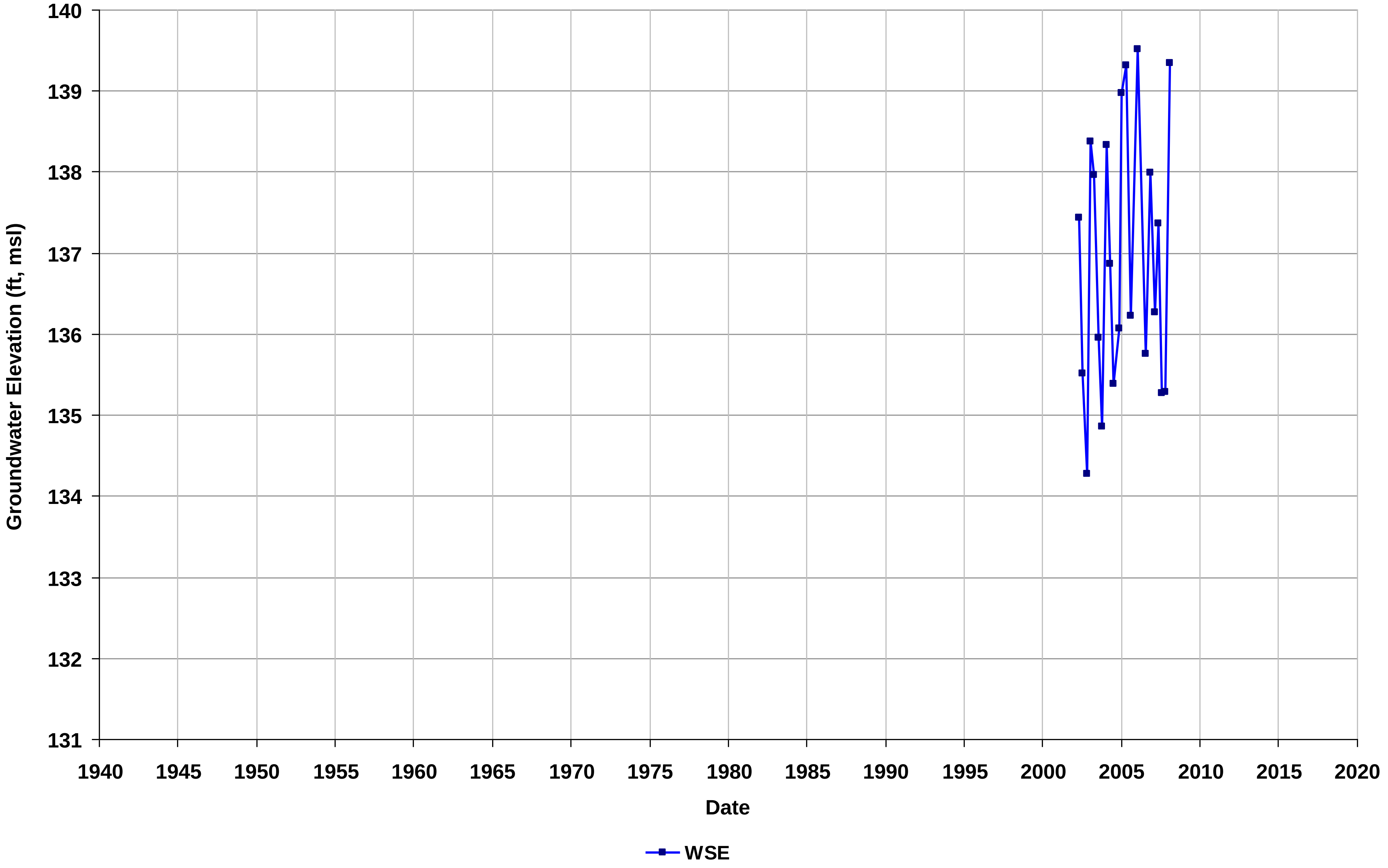
Well Name: T0600100093-MW-11
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/35
Well Use: Observation



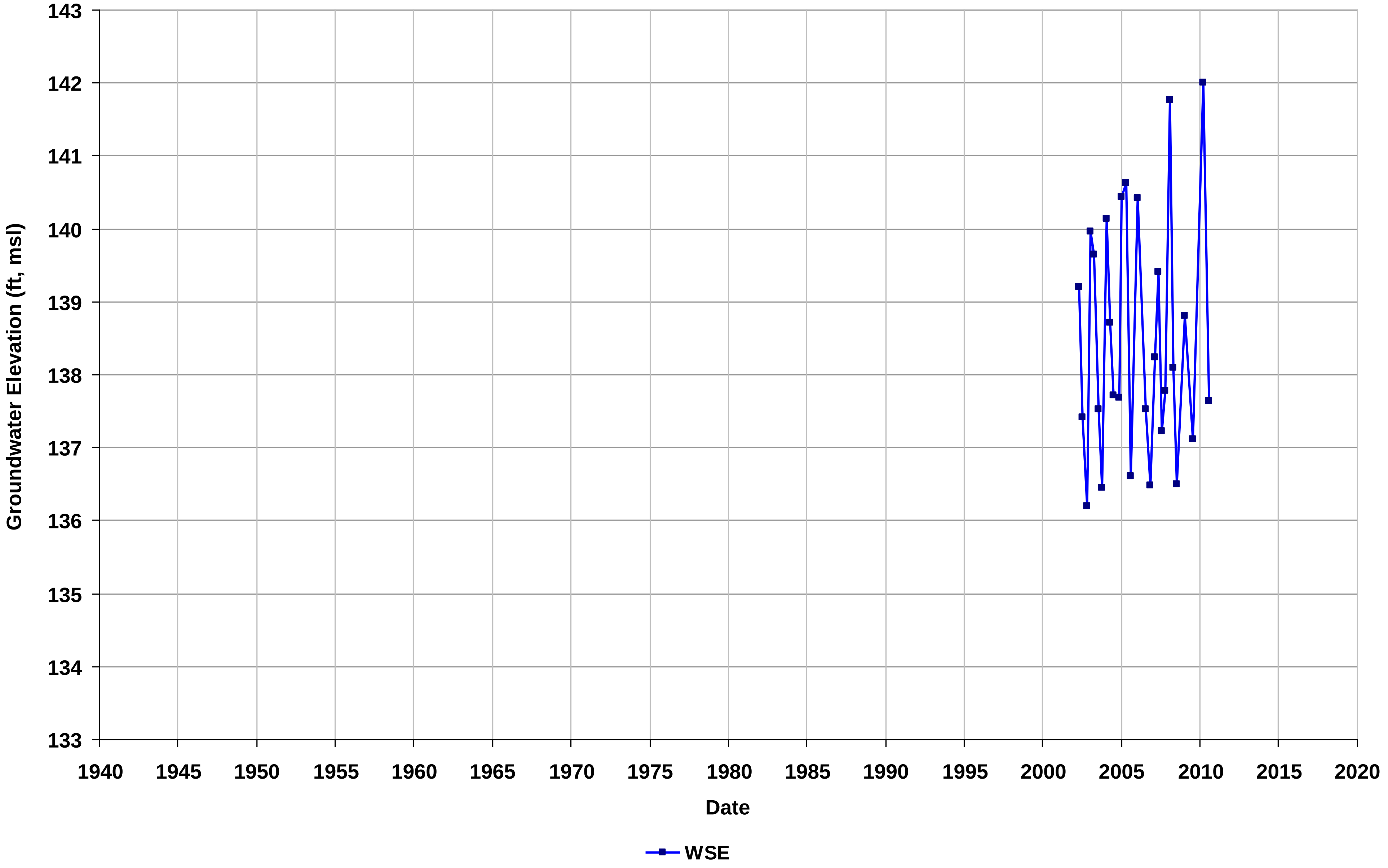
Well Name: T0600100094-A-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/11
Well Use: Observation



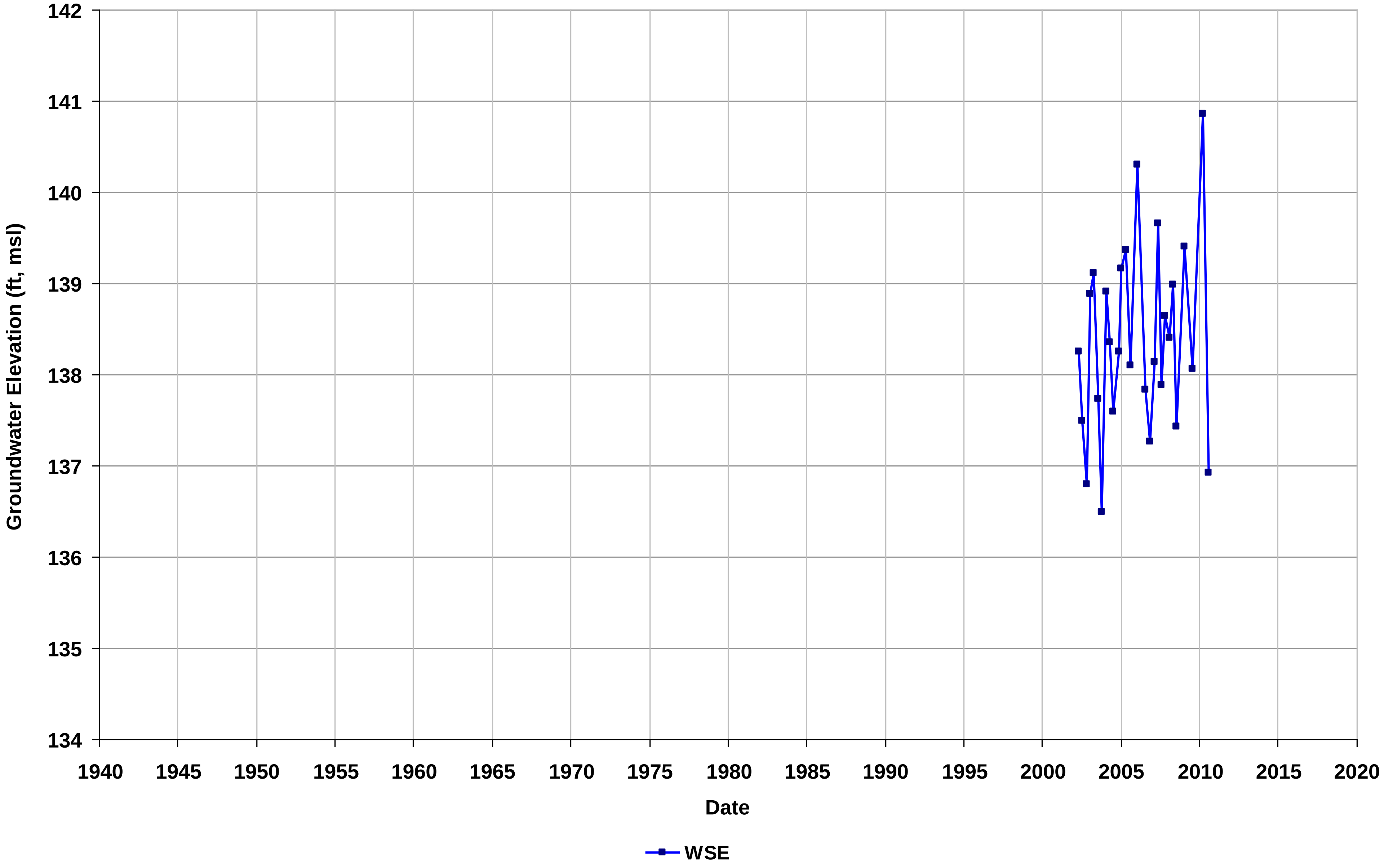
Well Name: T0600100094-A-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/11
Well Use: Observation



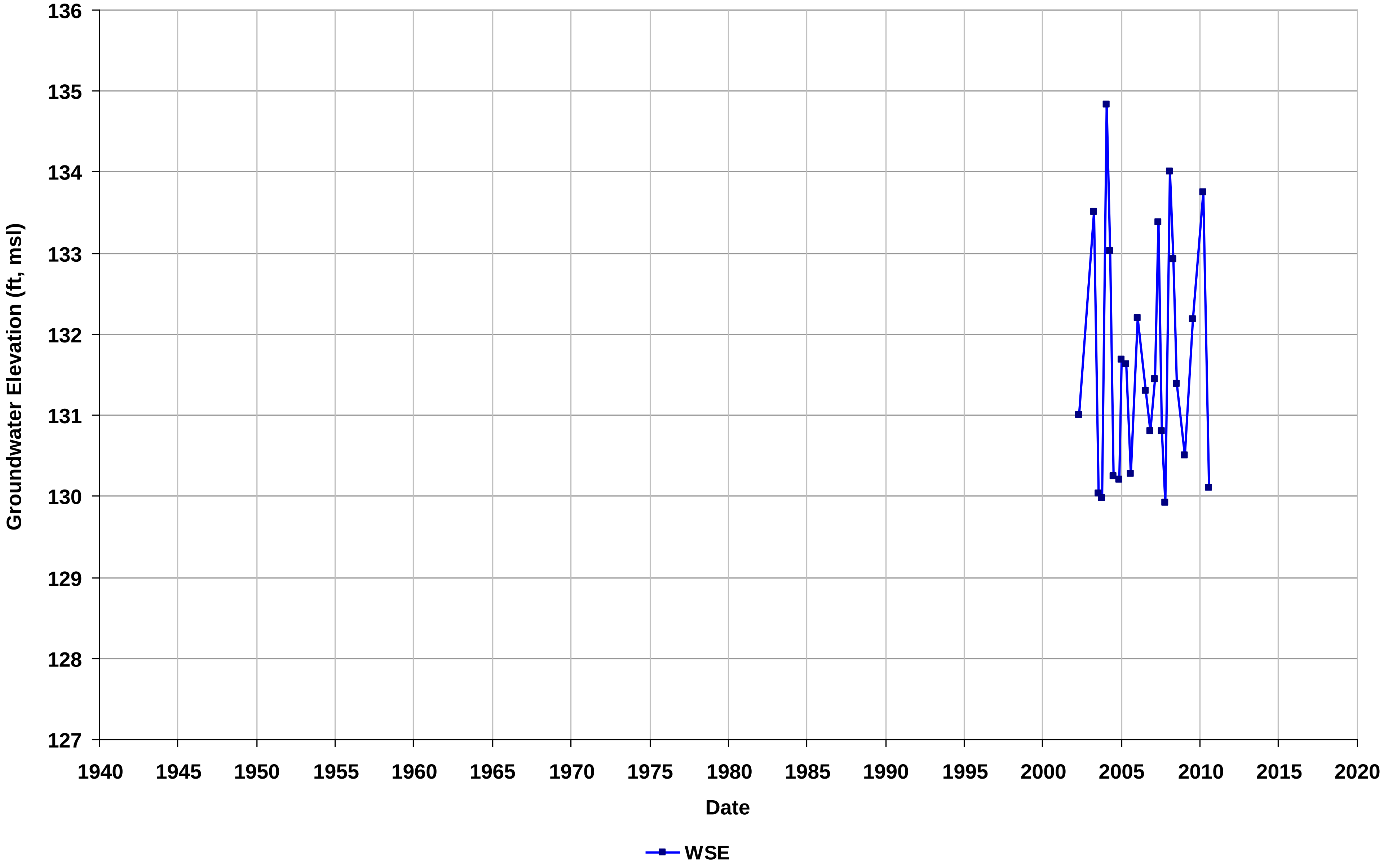
Well Name: T0600100094-A-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/11
Well Use: Observation



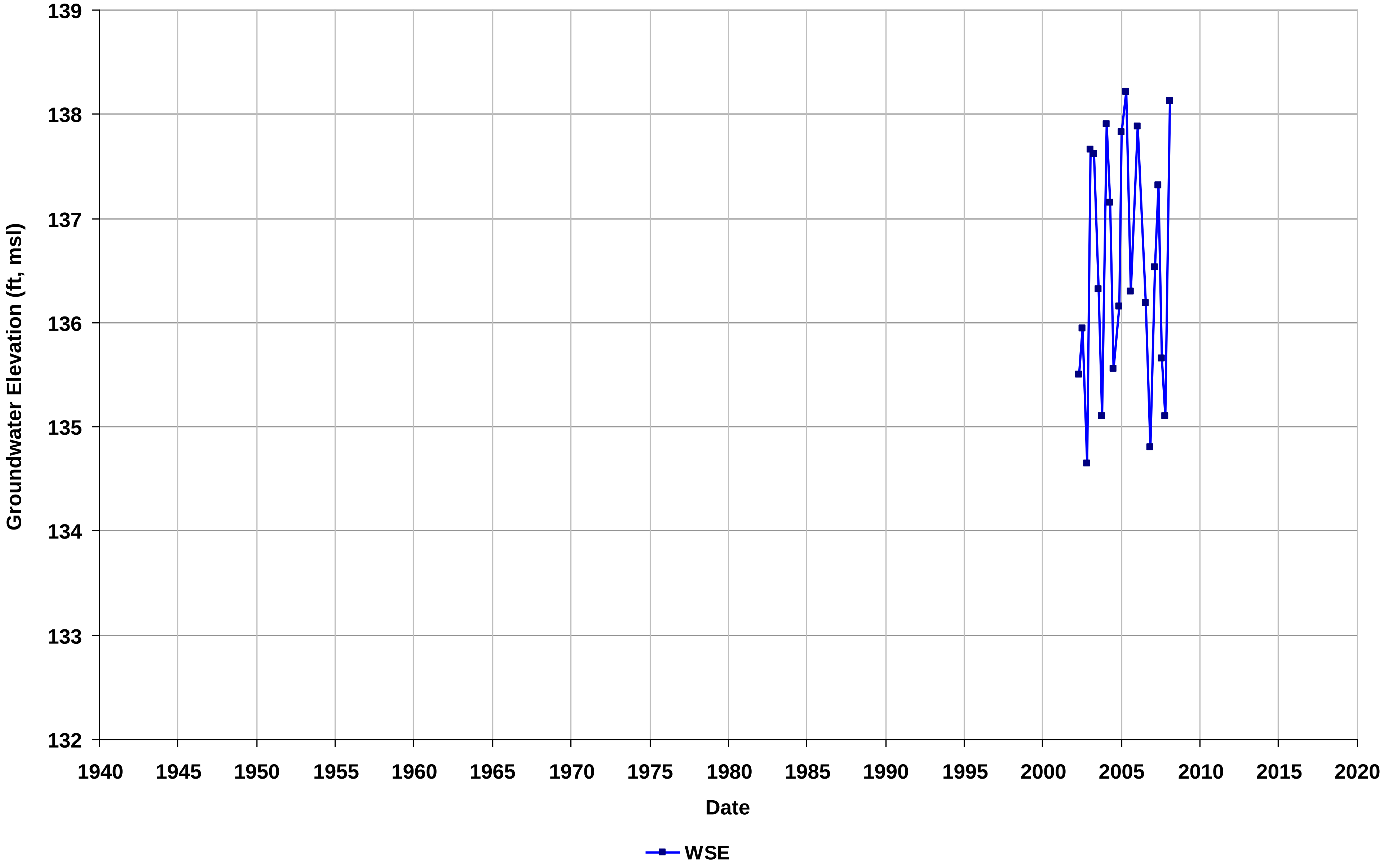
Well Name: T0600100094-A-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/11
Well Use: Observation



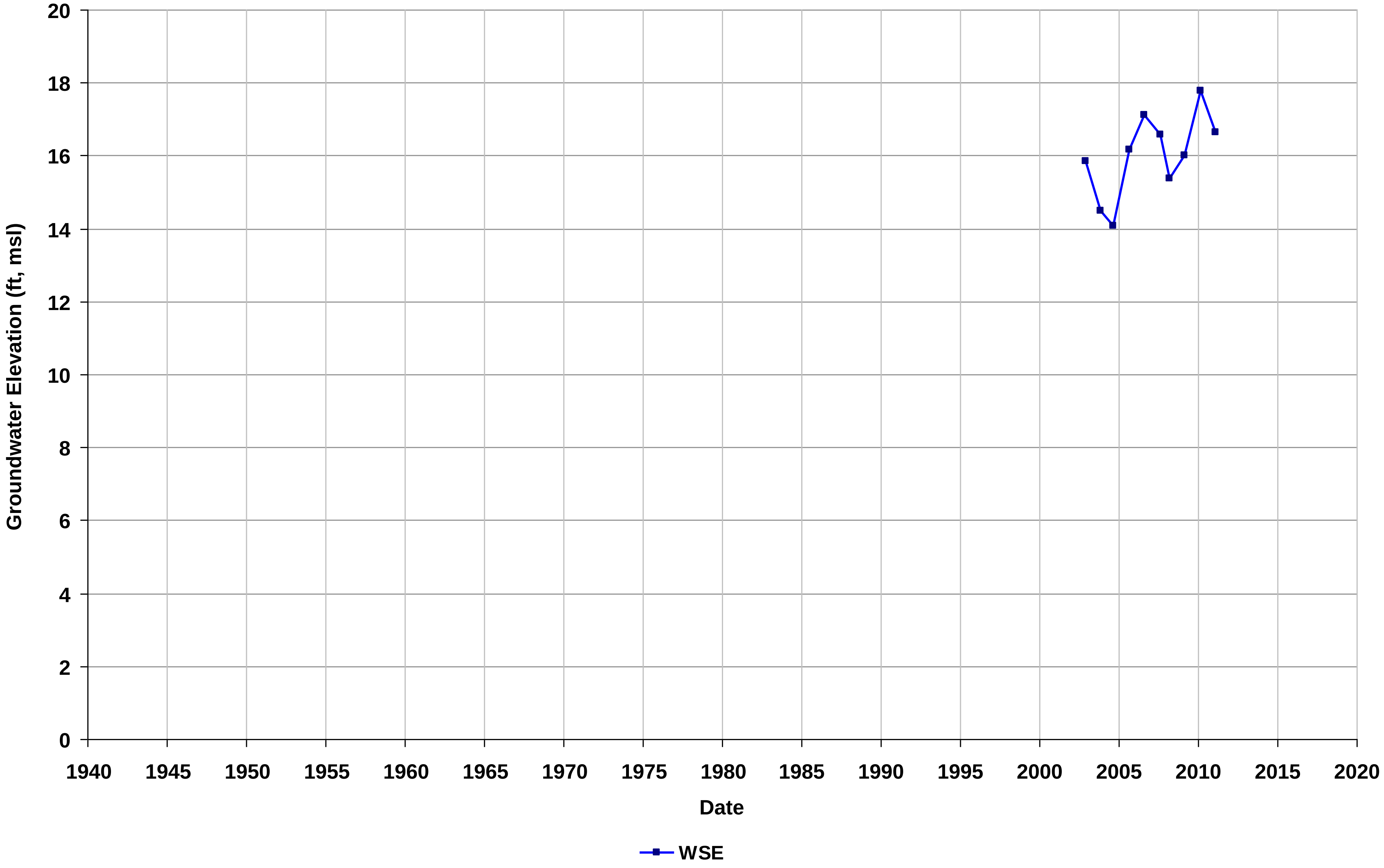
Well Name: T0600100094-AR-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/11
Well Use: Observation



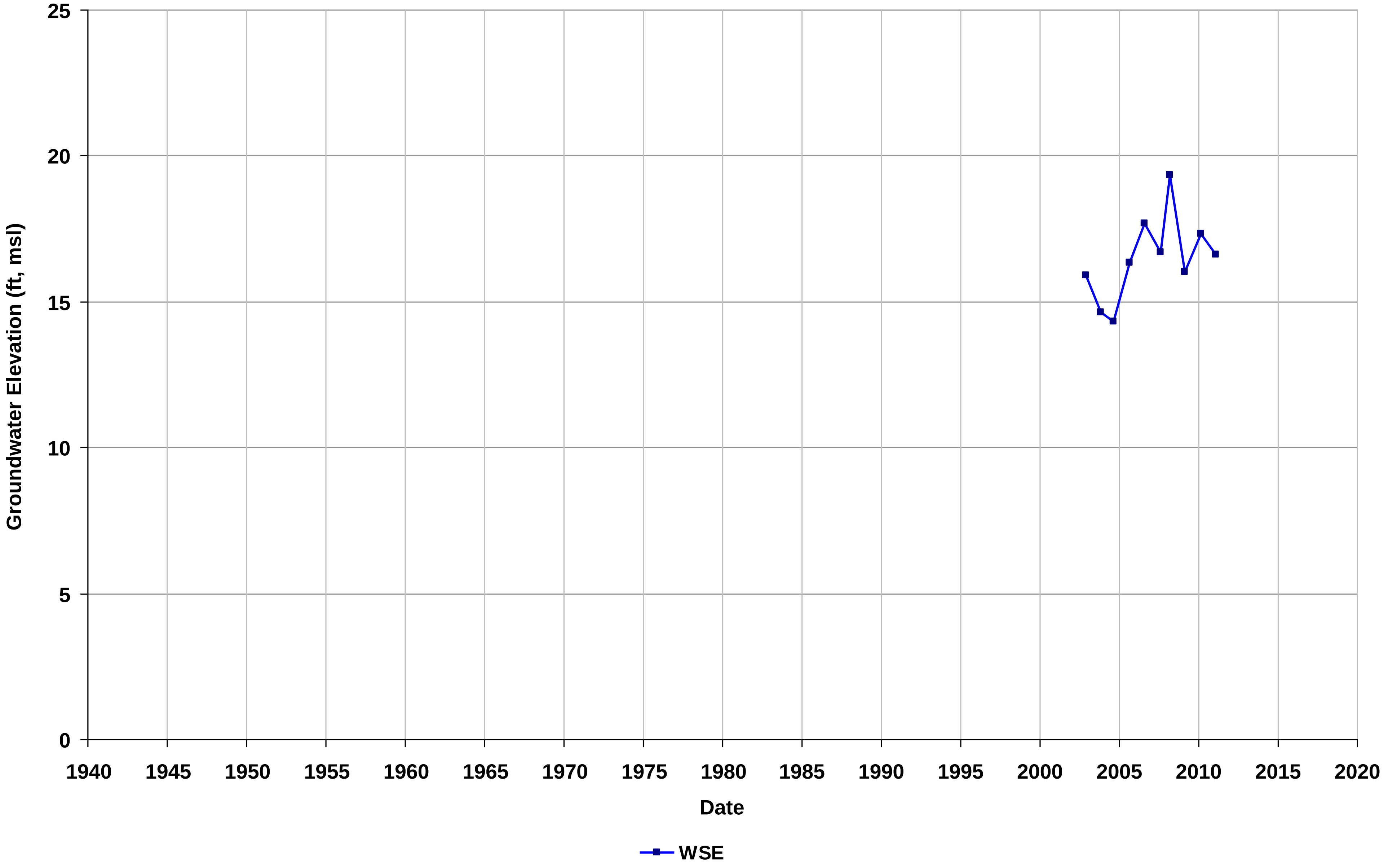
Well Name: T0600100096-EW-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/19
Well Use: Observation



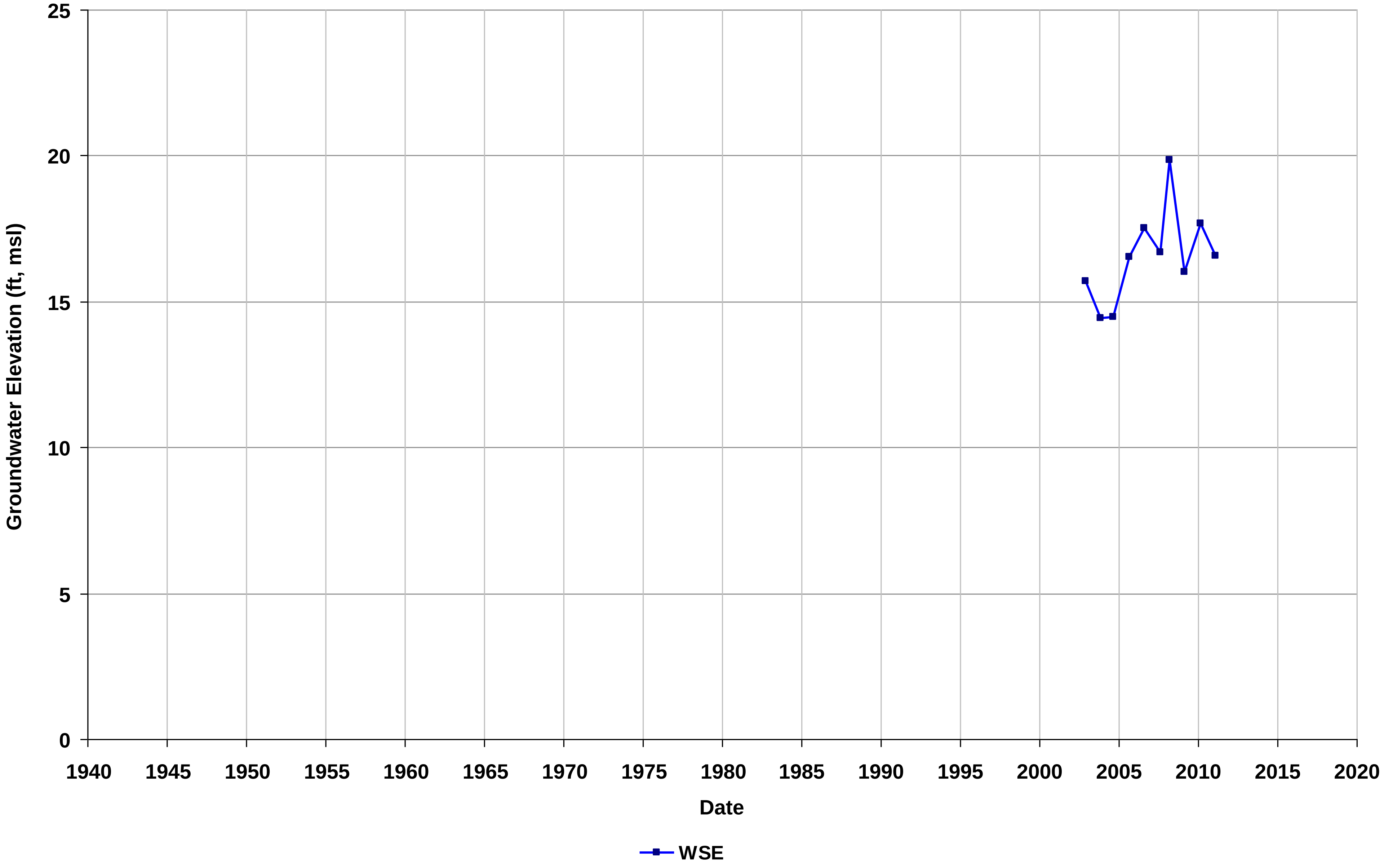
Well Name: T0600100096-EW-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/19
Well Use: Observation



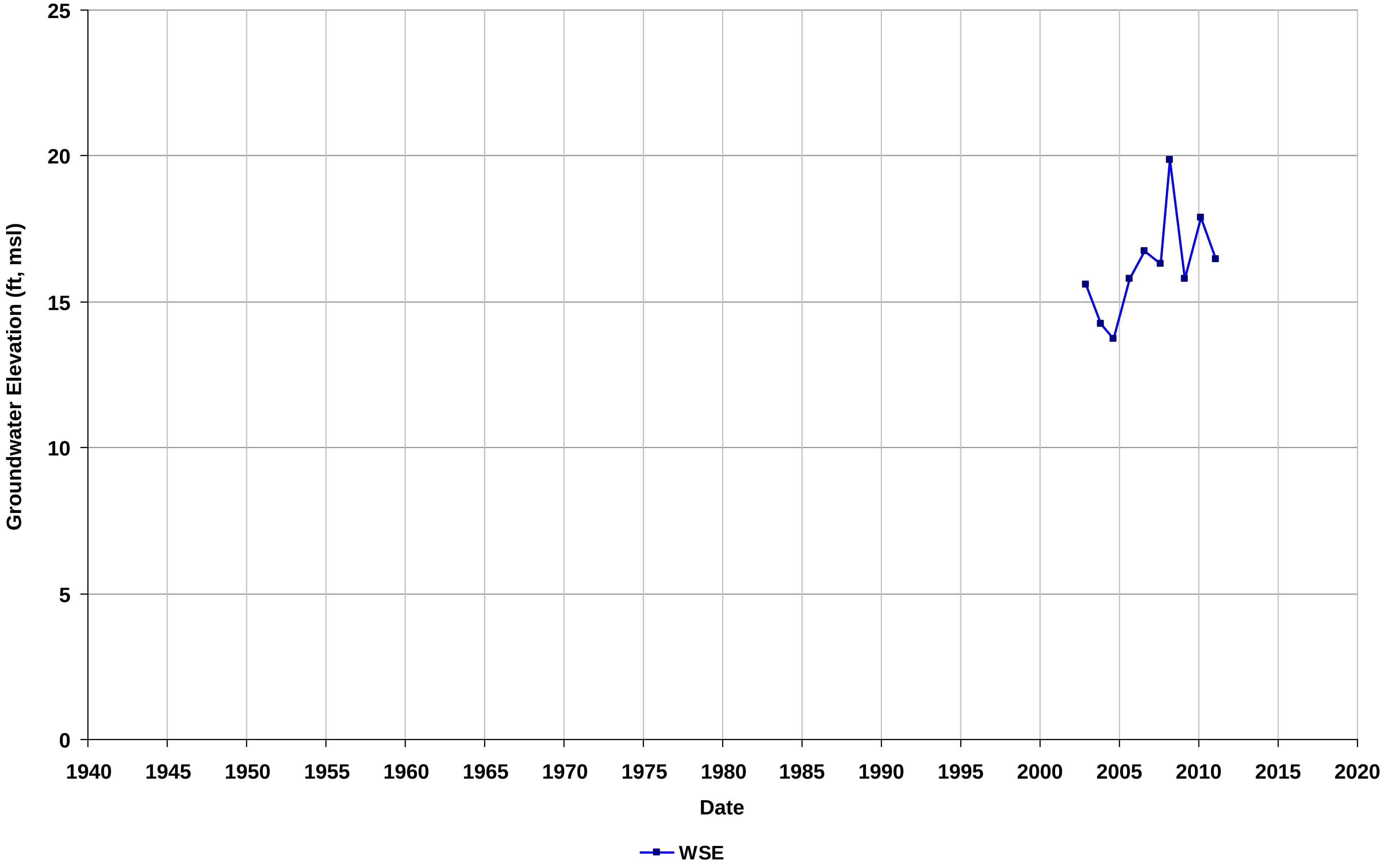
Well Name: T0600100096-EW-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/19
Well Use: Observation



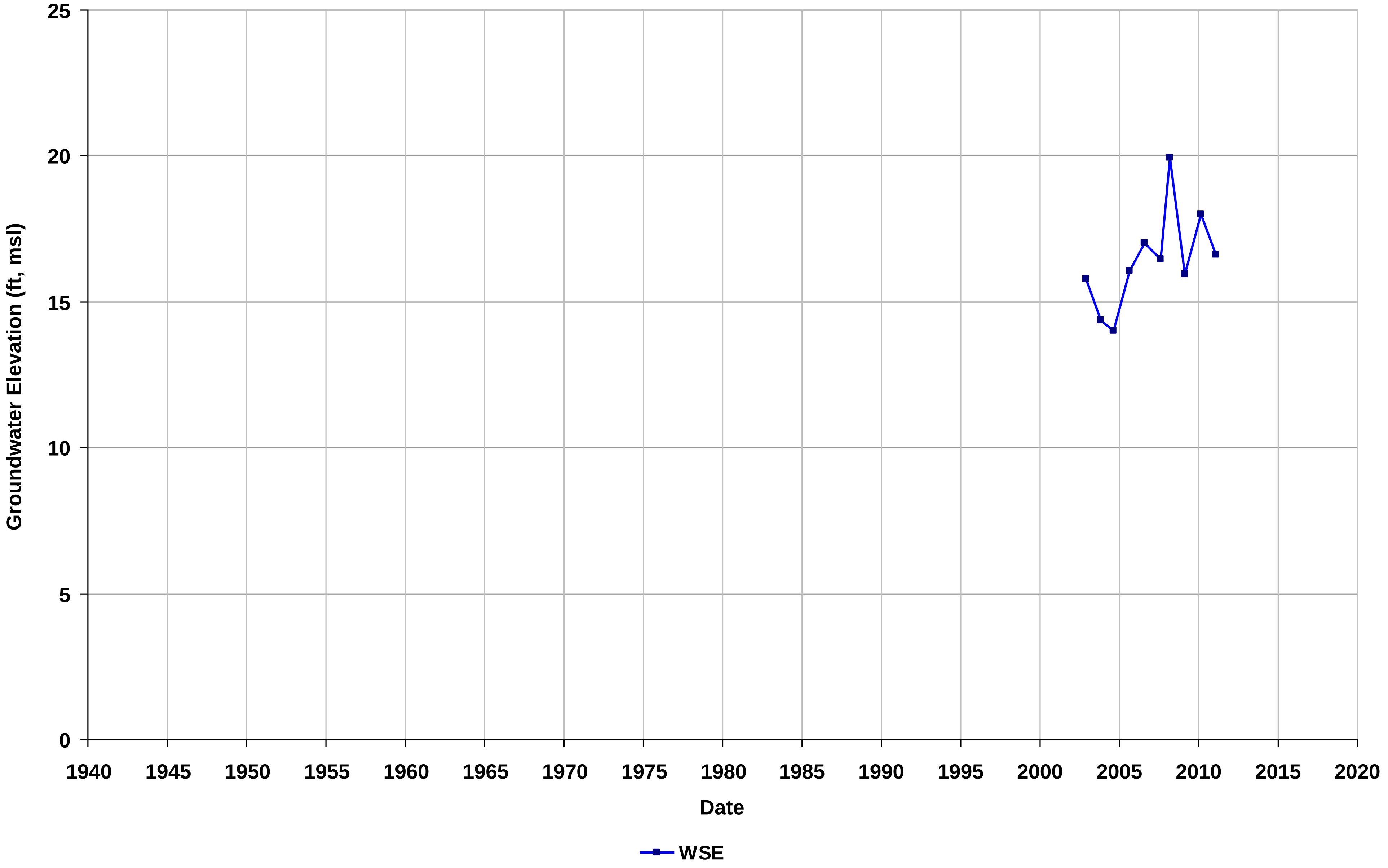
Well Name: T0600100096-MW-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/19
Well Use: Observation



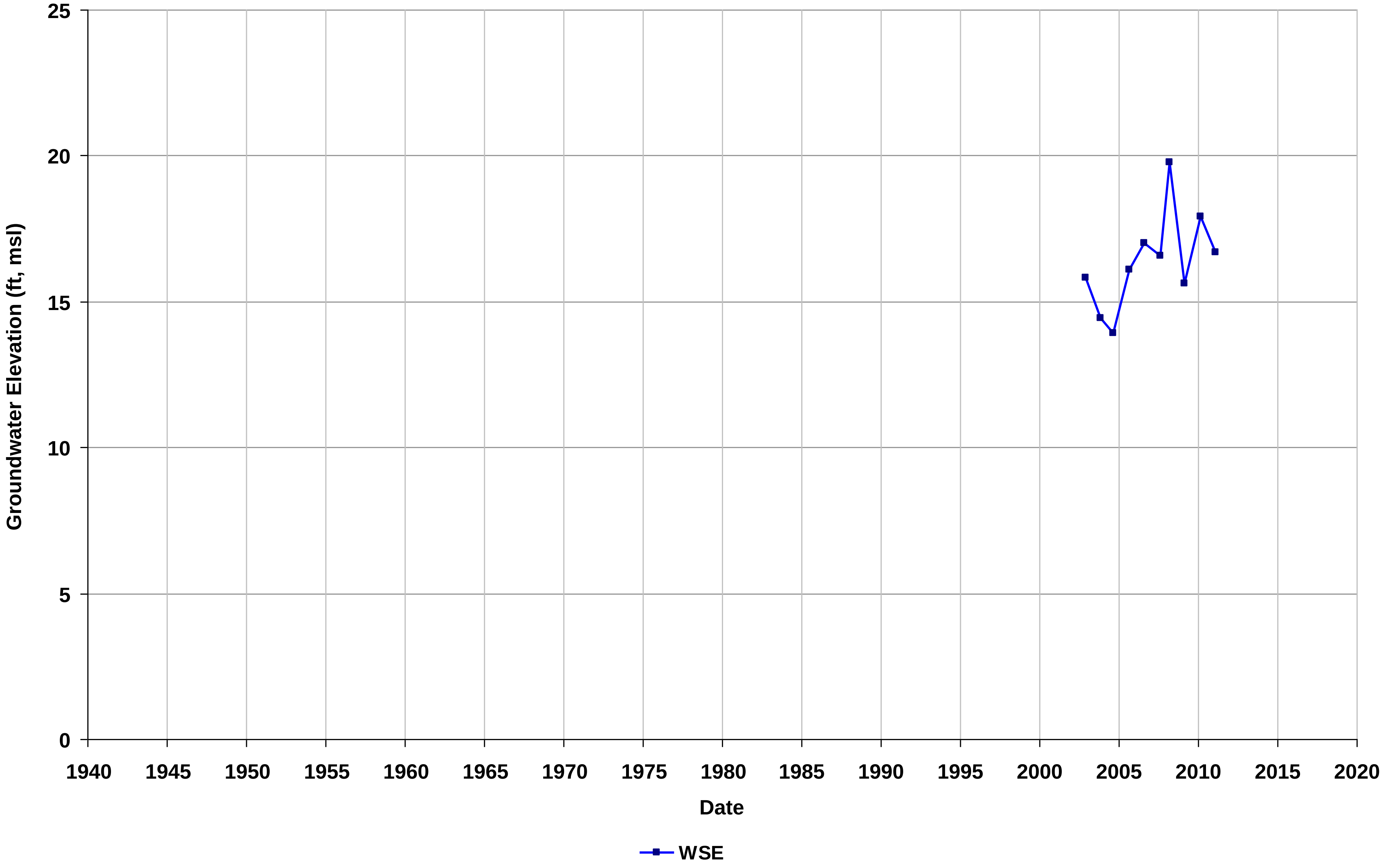
Well Name: T0600100096-MW-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/19
Well Use: Observation



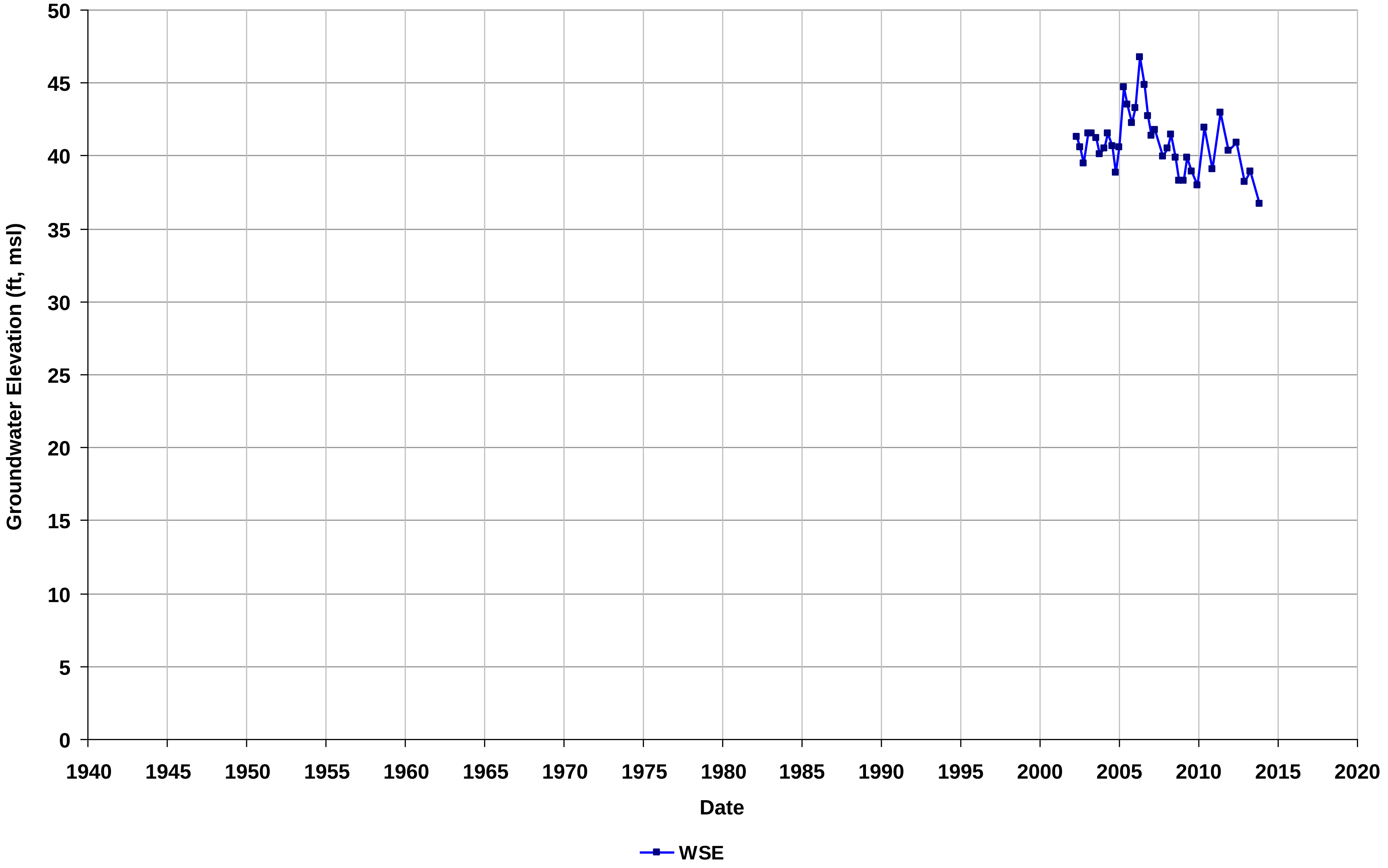
Well Name: T0600100096-MW-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/19
Well Use: Observation



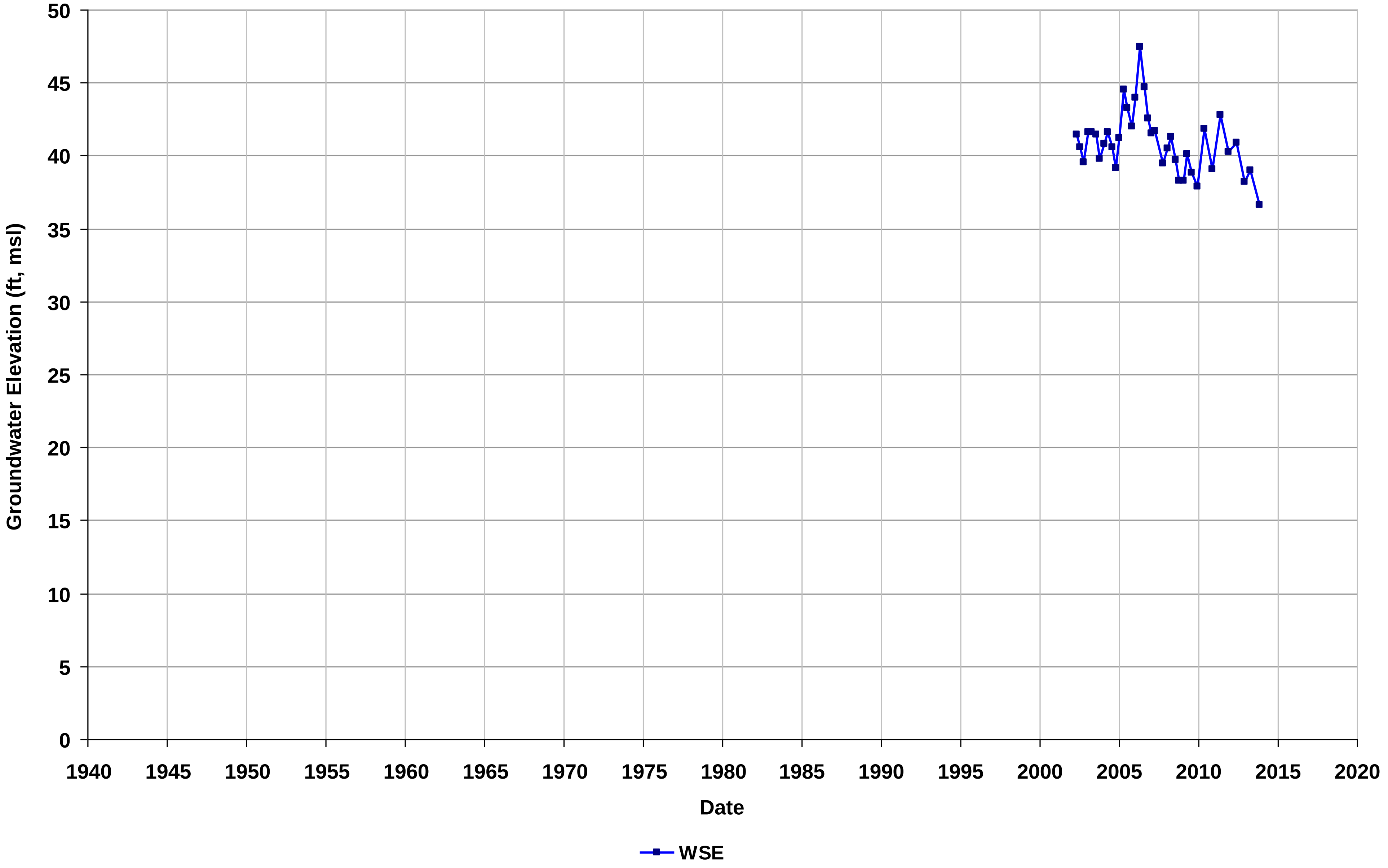
Well Name: T0600100097-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/21
Well Use: Observation



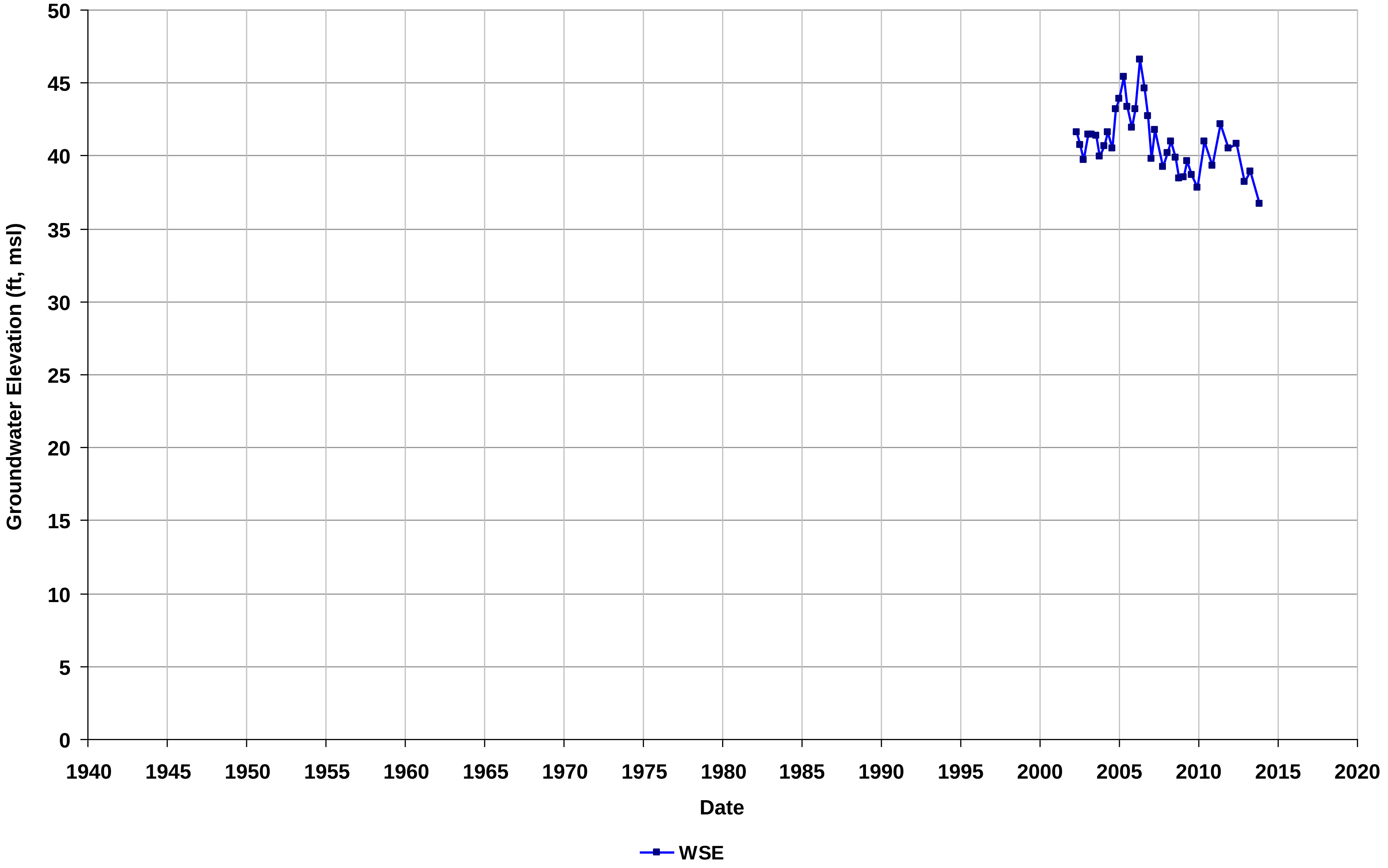
Well Name: T0600100097-MW-10
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/21
Well Use: Observation



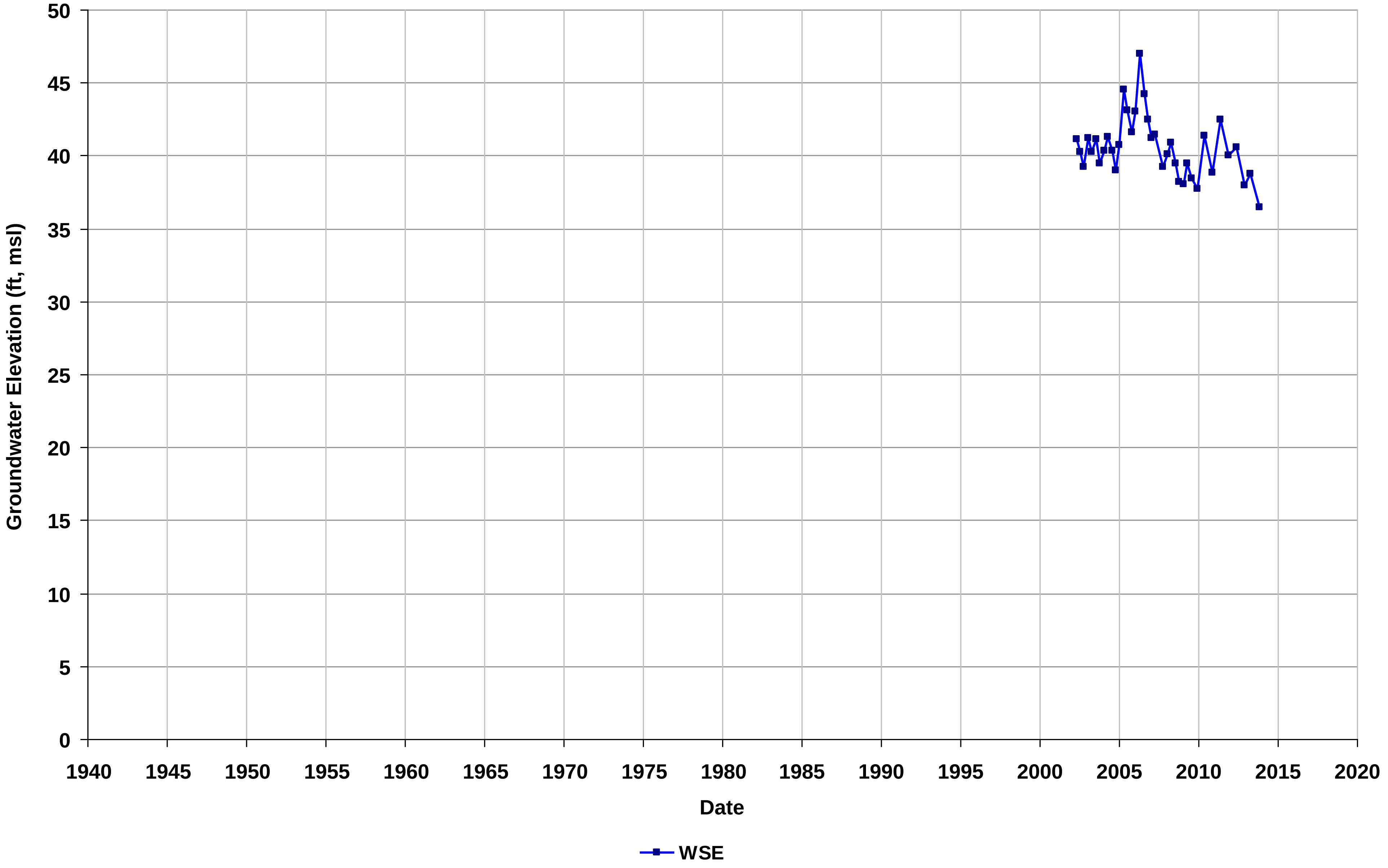
Well Name: T0600100097-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/21
Well Use: Observation



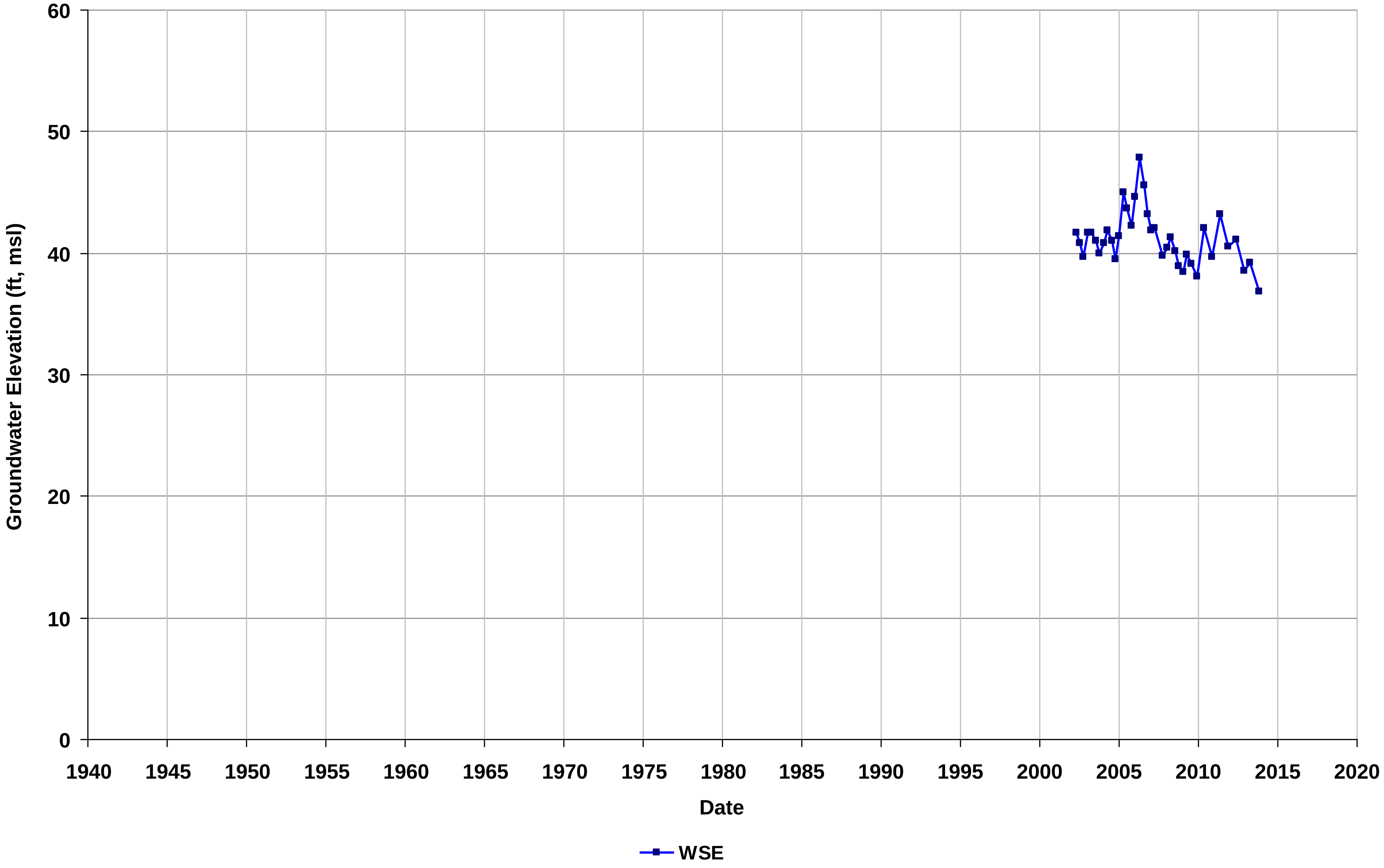
Well Name: T0600100097-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/21
Well Use: Observation



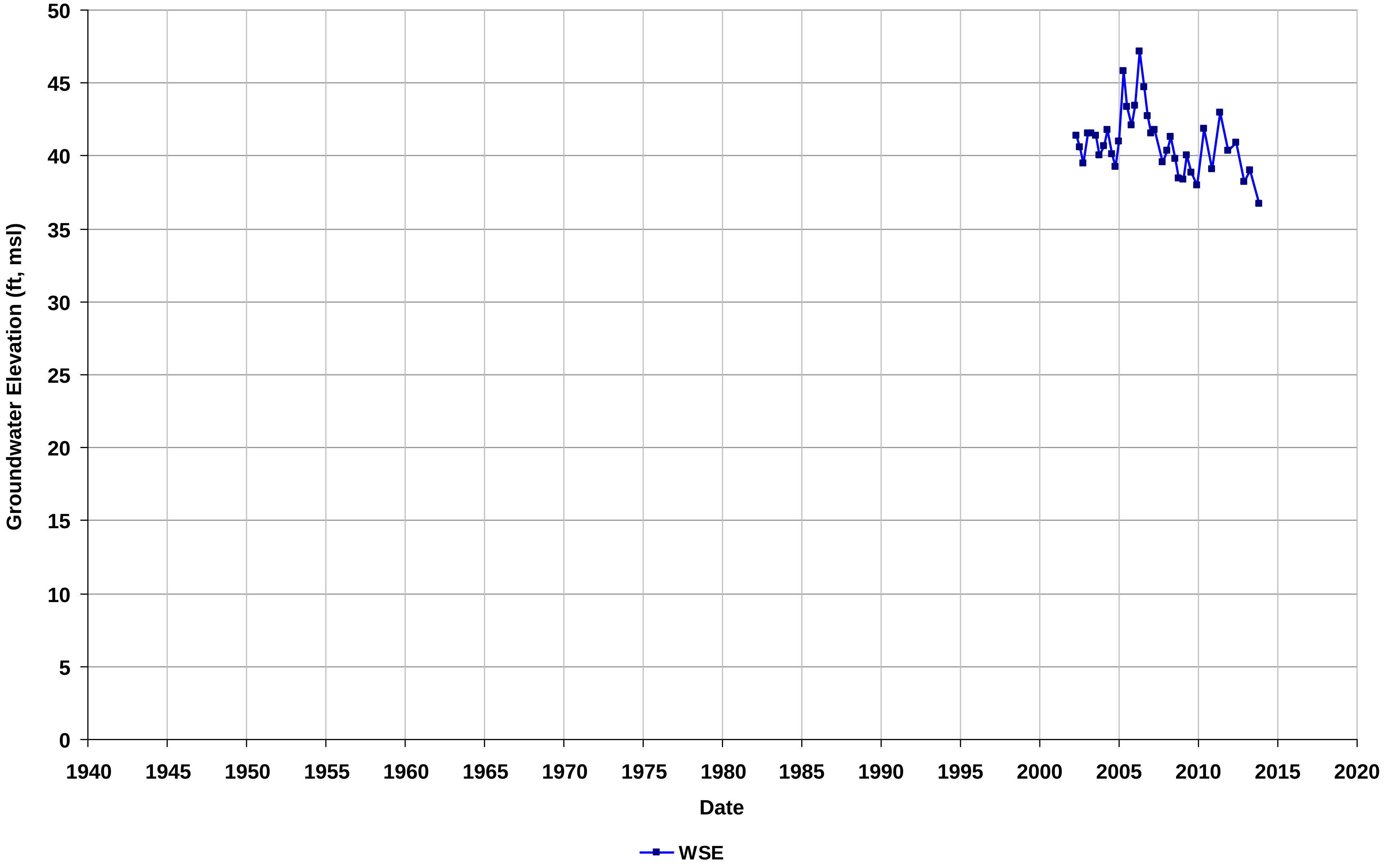
Well Name: T0600100097-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/21
Well Use: Observation



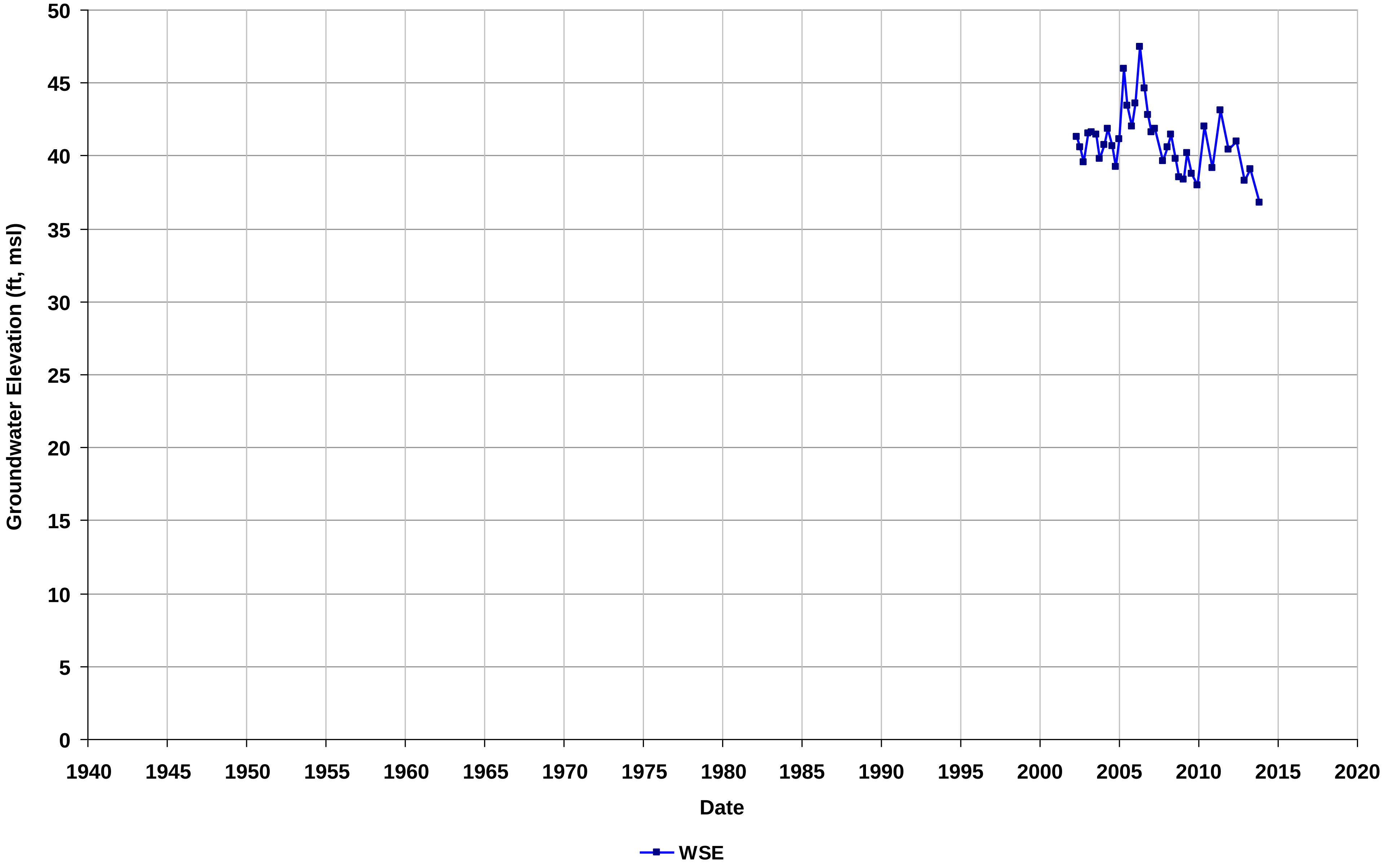
Well Name: T0600100097-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/21
Well Use: Observation



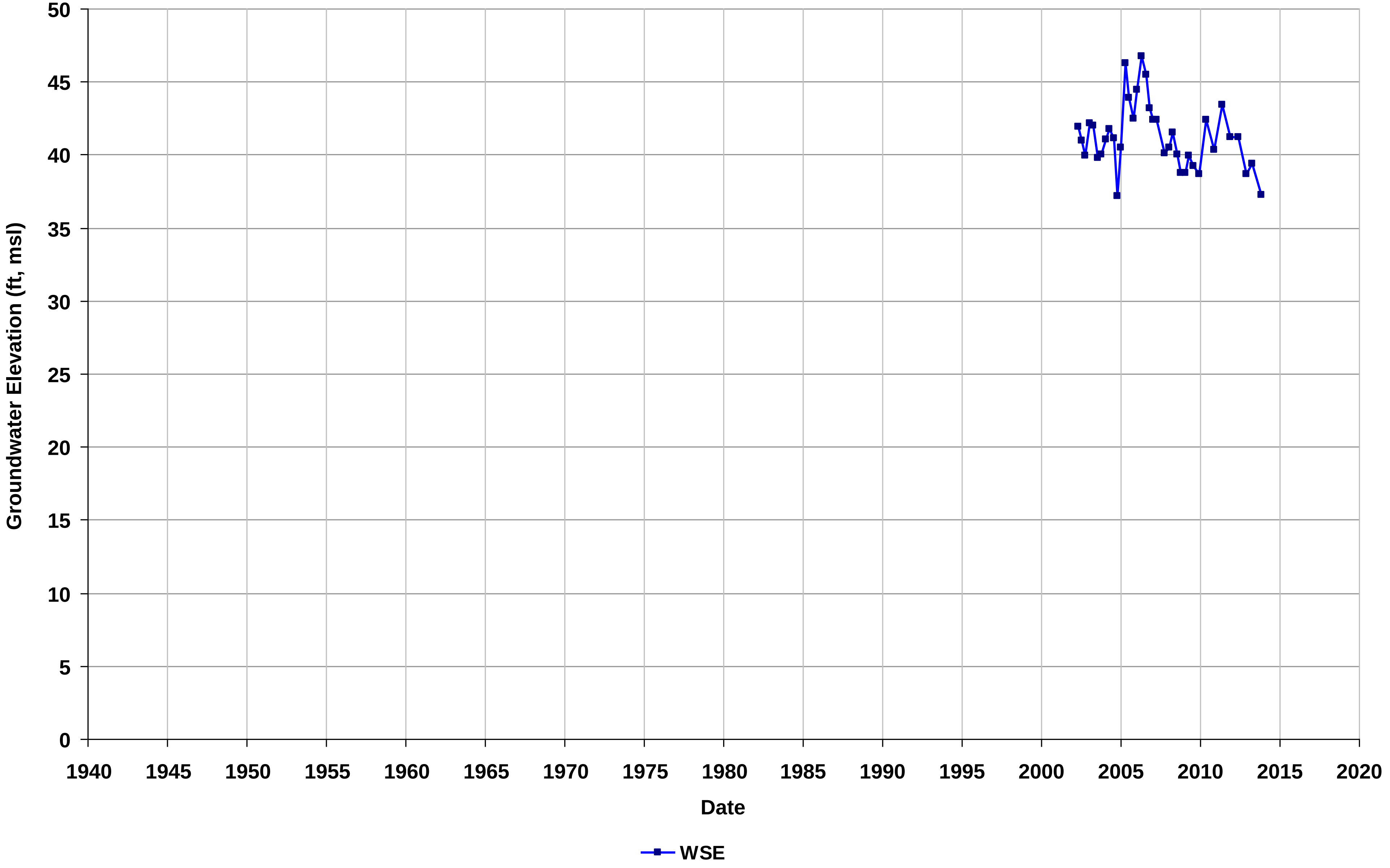
Well Name: T0600100097-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/21
Well Use: Observation



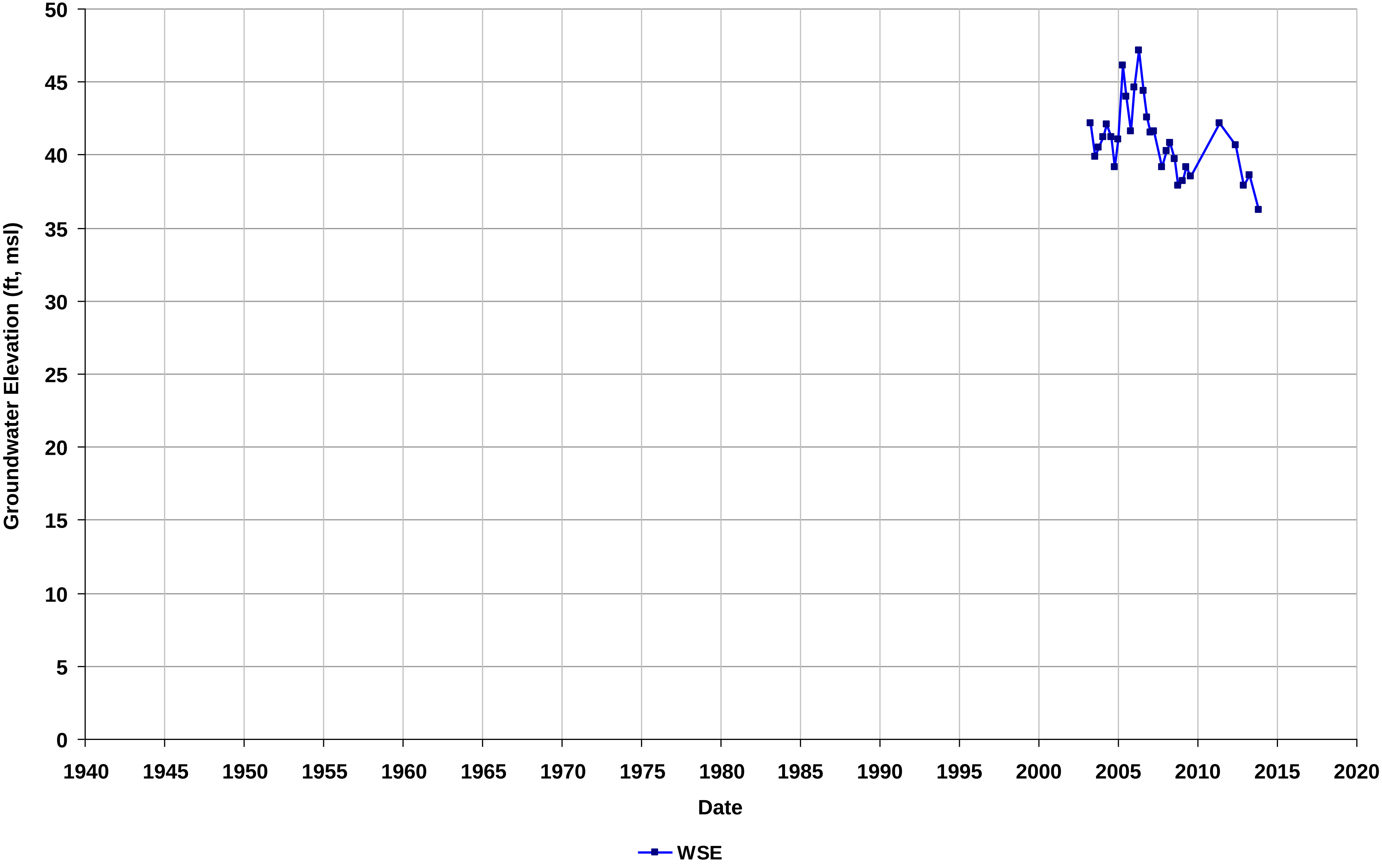
Well Name: T0600100097-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/21
Well Use: Observation



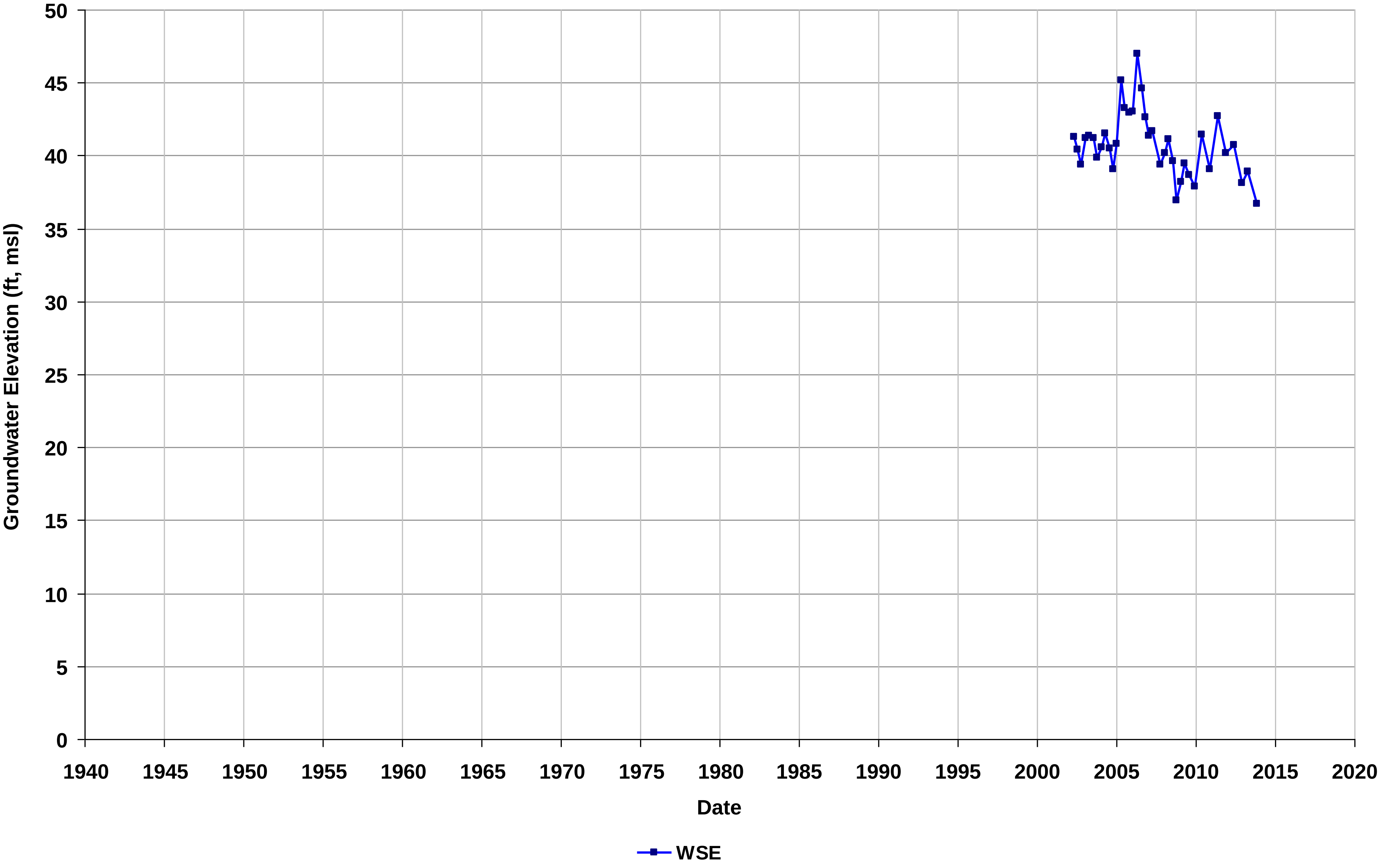
Well Name: T0600100097-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/21
Well Use: Observation



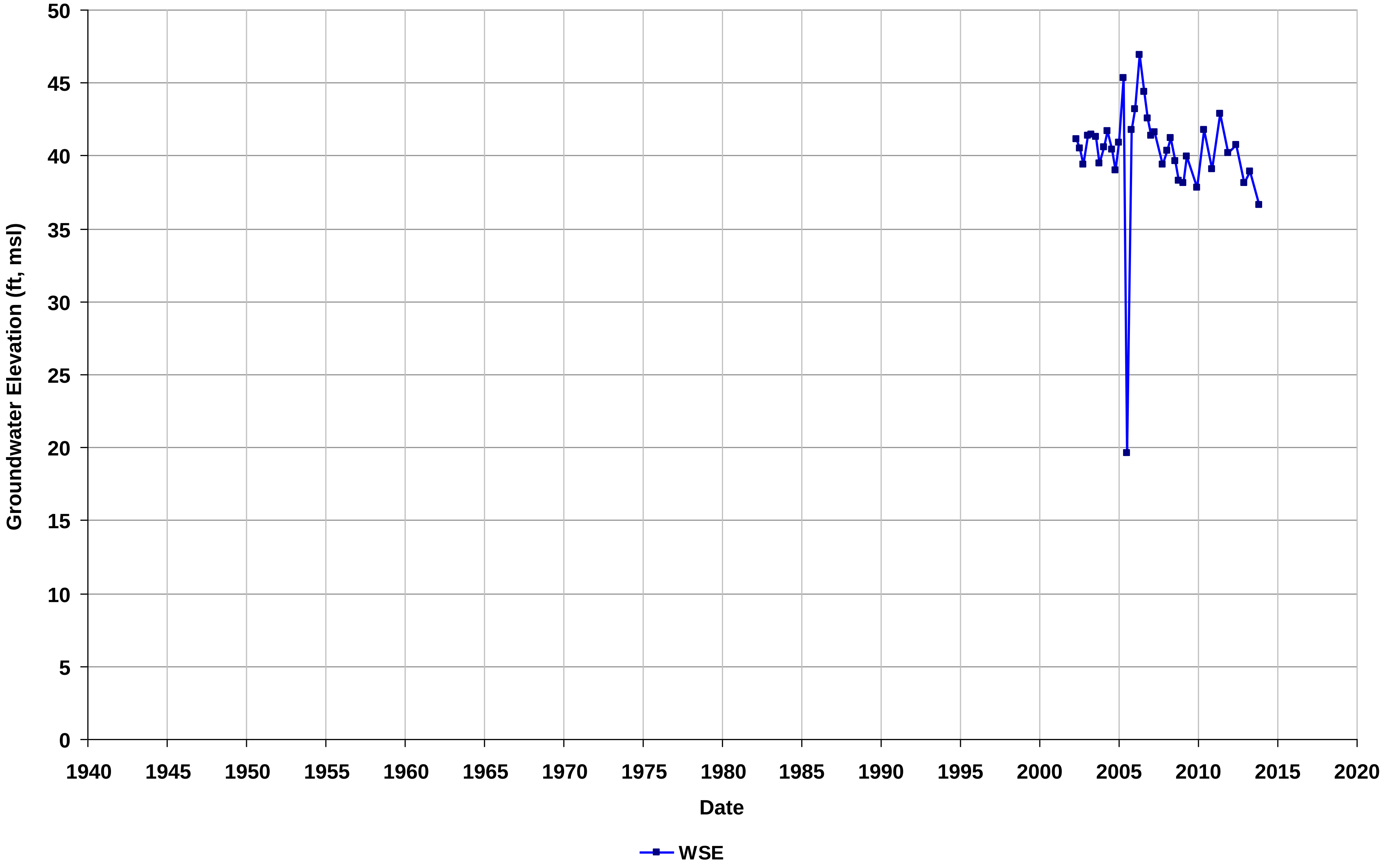
Well Name: T0600100097-MW-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/21
Well Use: Observation



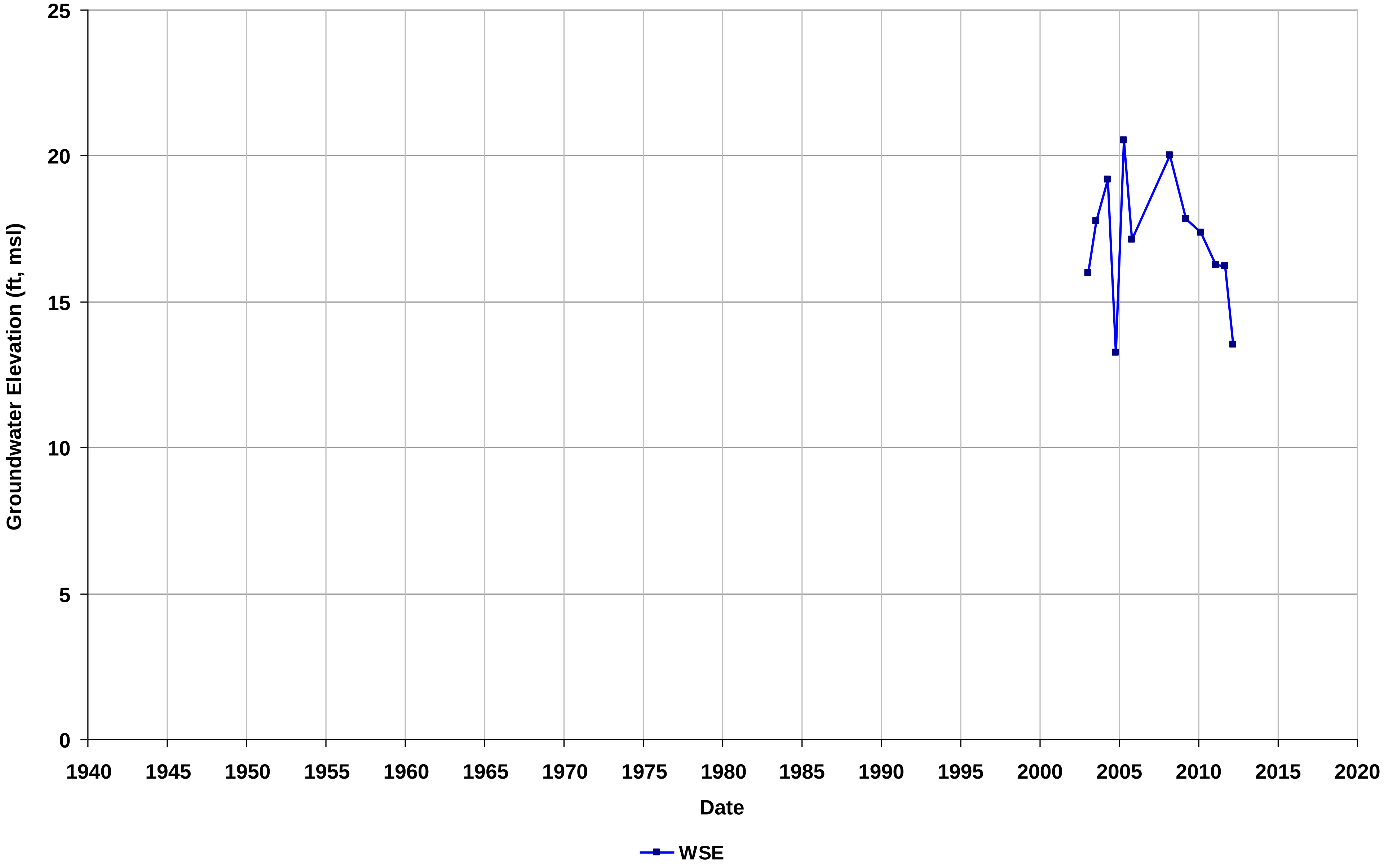
Well Name: T0600100097-RW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/21
Well Use: Observation



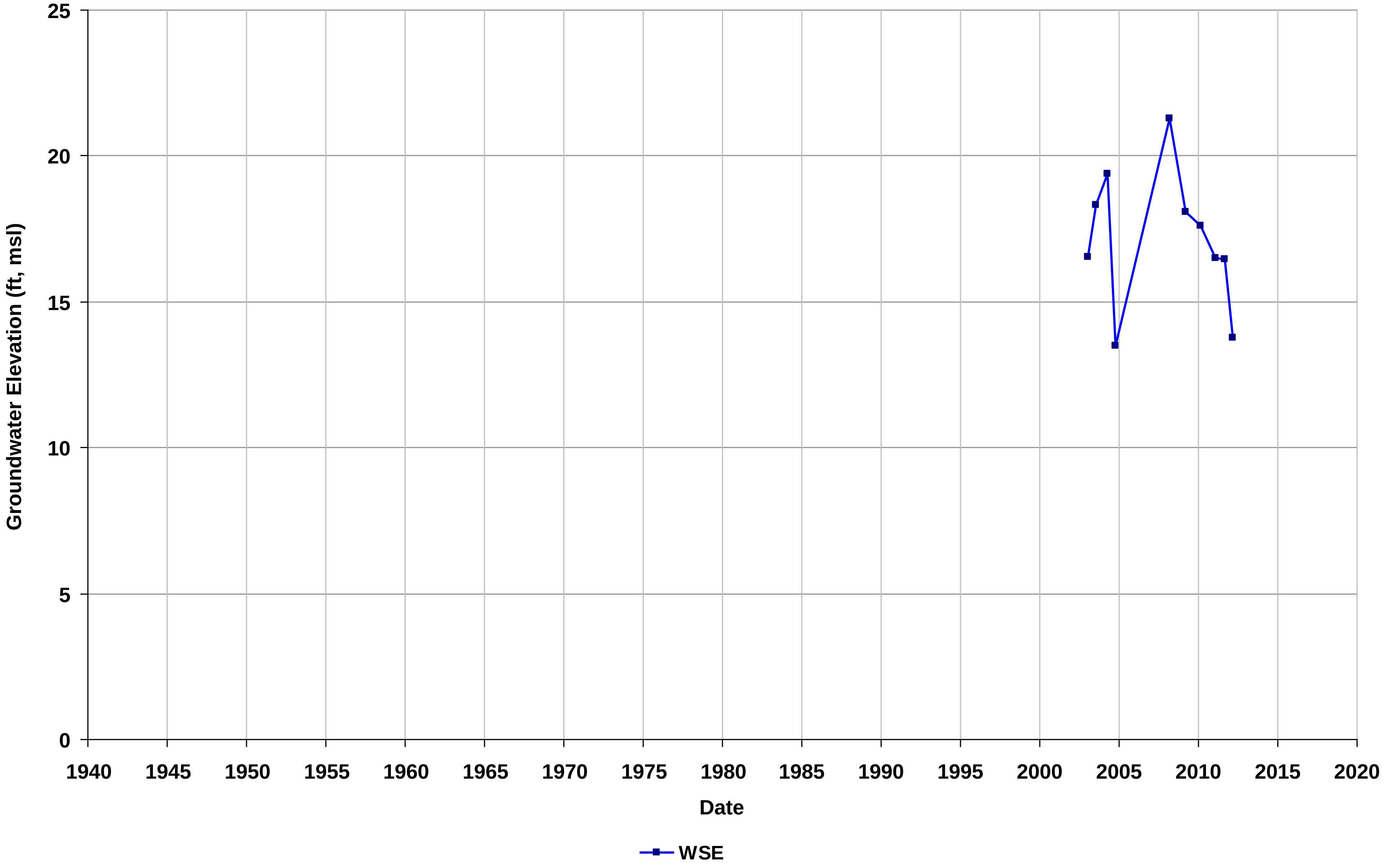
Well Name: T0600100098-AS-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/30
Well Use: Observation



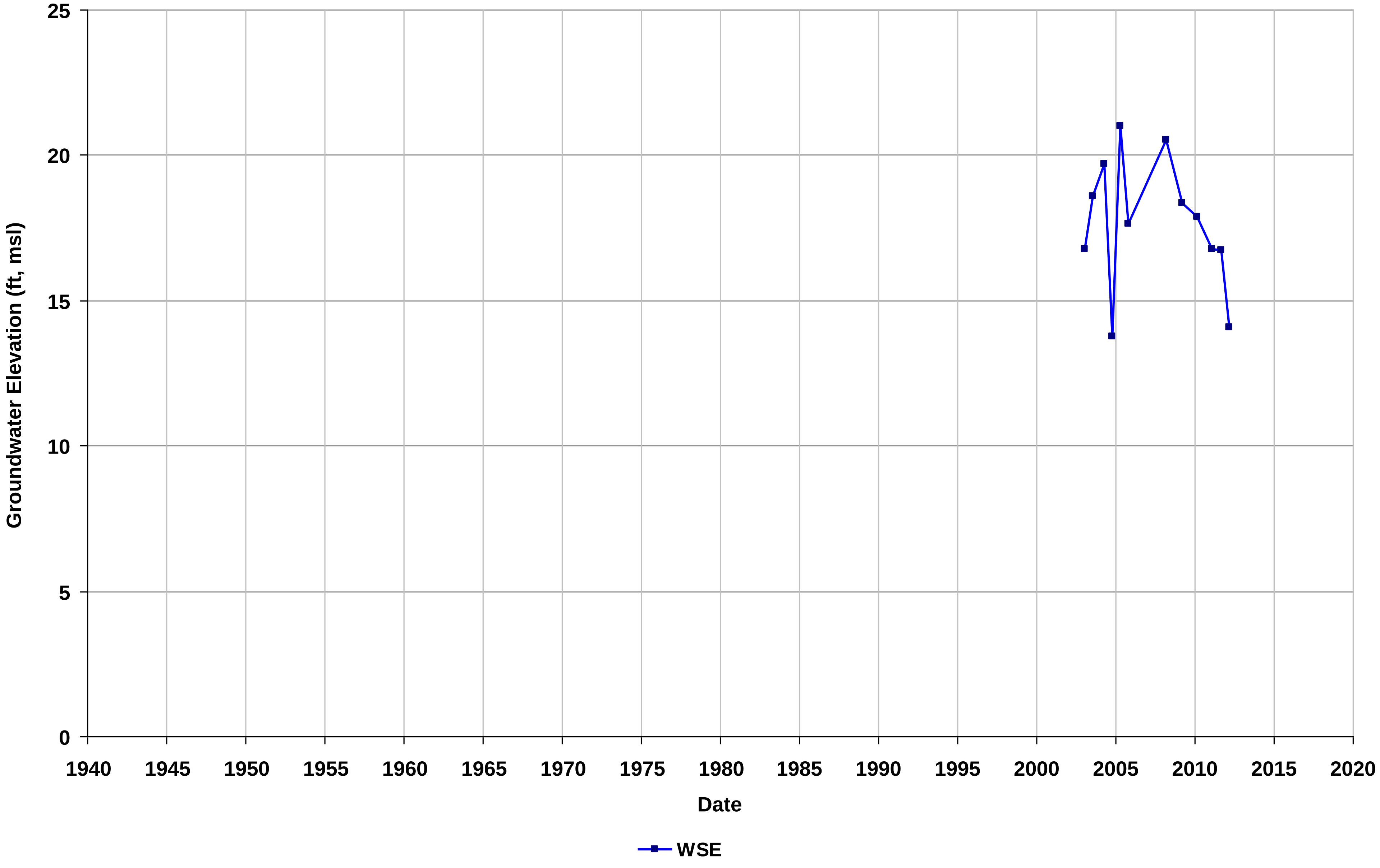
Well Name: T0600100098-MW-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/30
Well Use: Observation



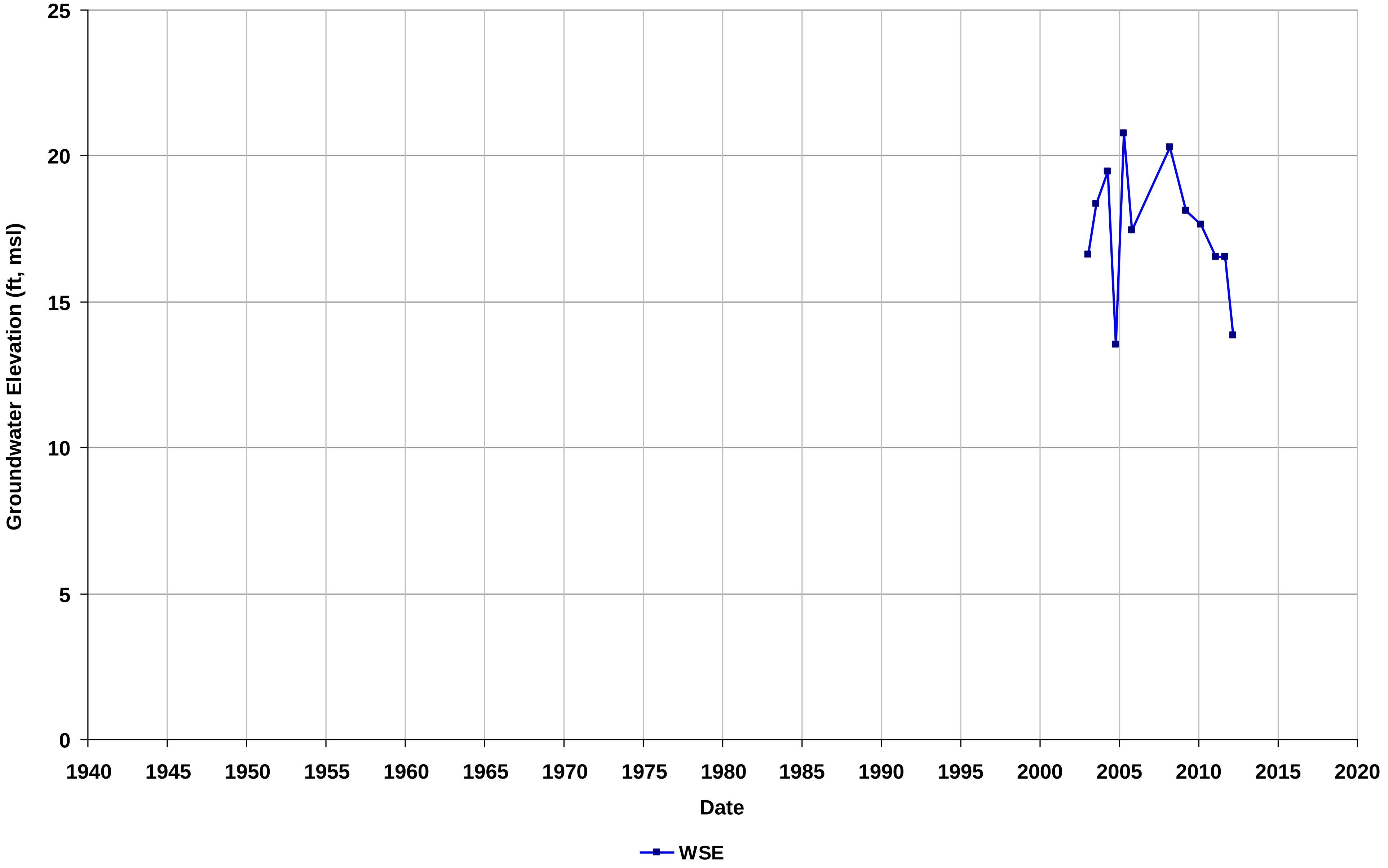
Well Name: T0600100098-MW-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/30
Well Use: Observation



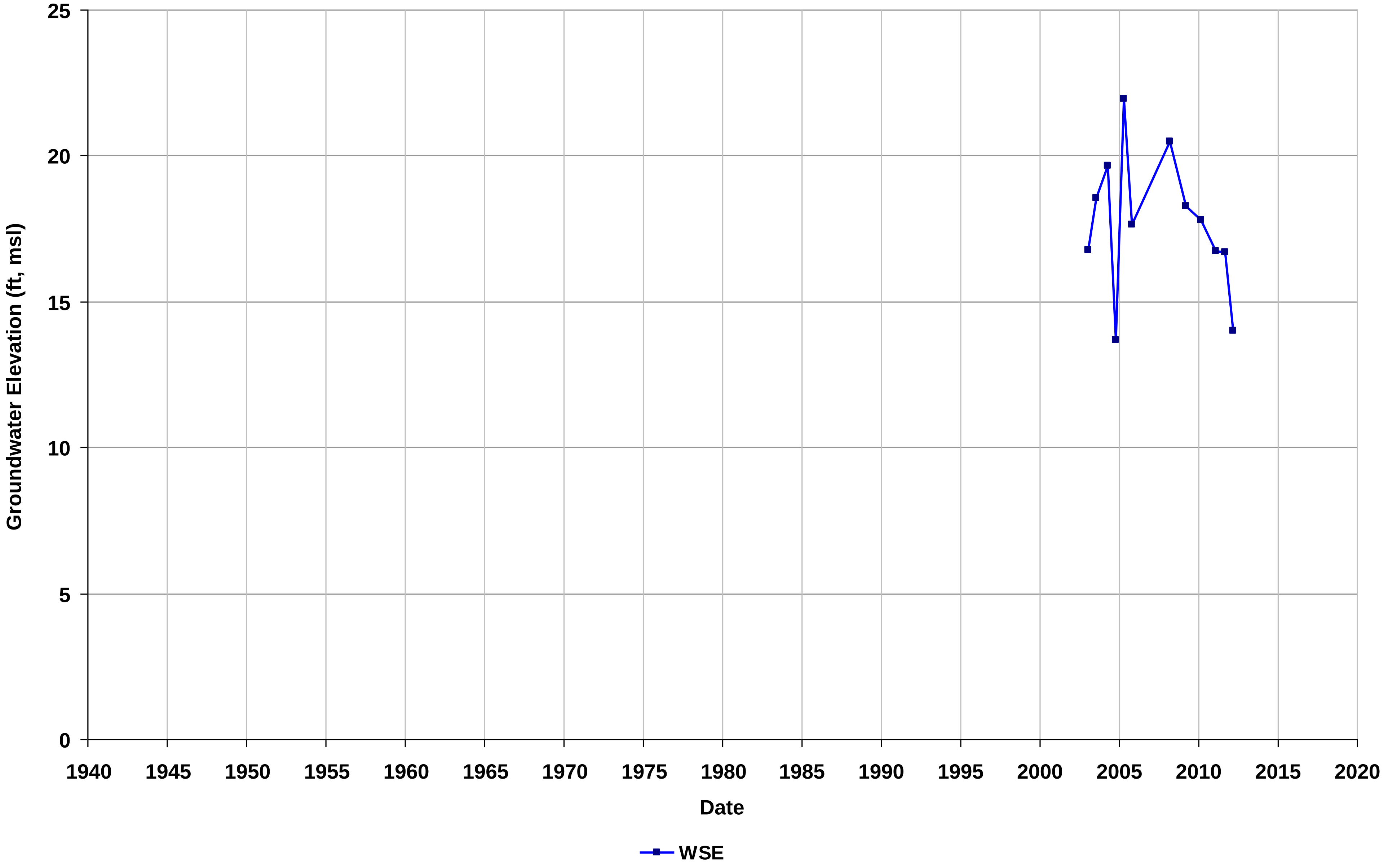
Well Name: T0600100098-MW-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/30
Well Use: Observation



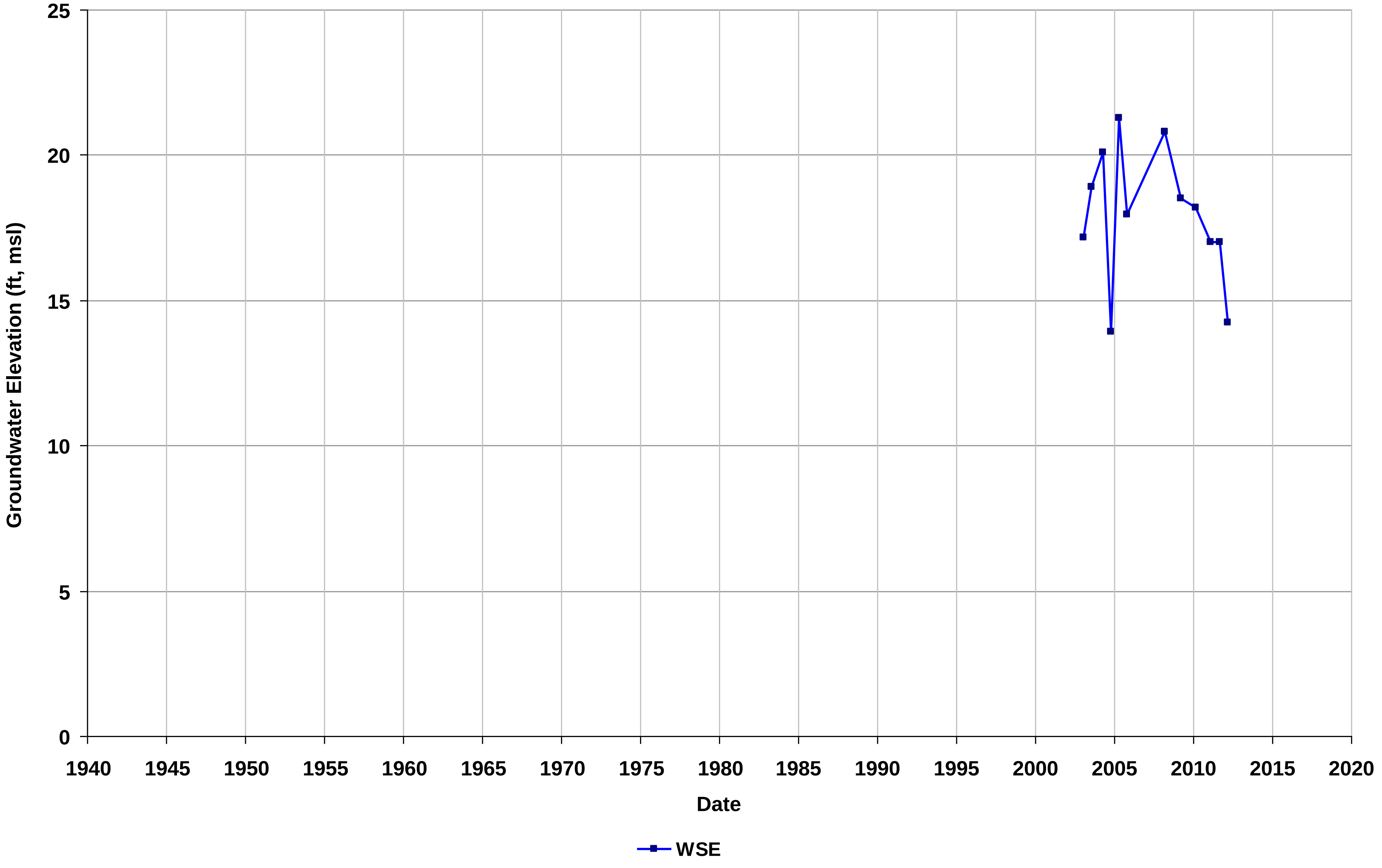
Well Name: T0600100098-MW-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/30
Well Use: Observation



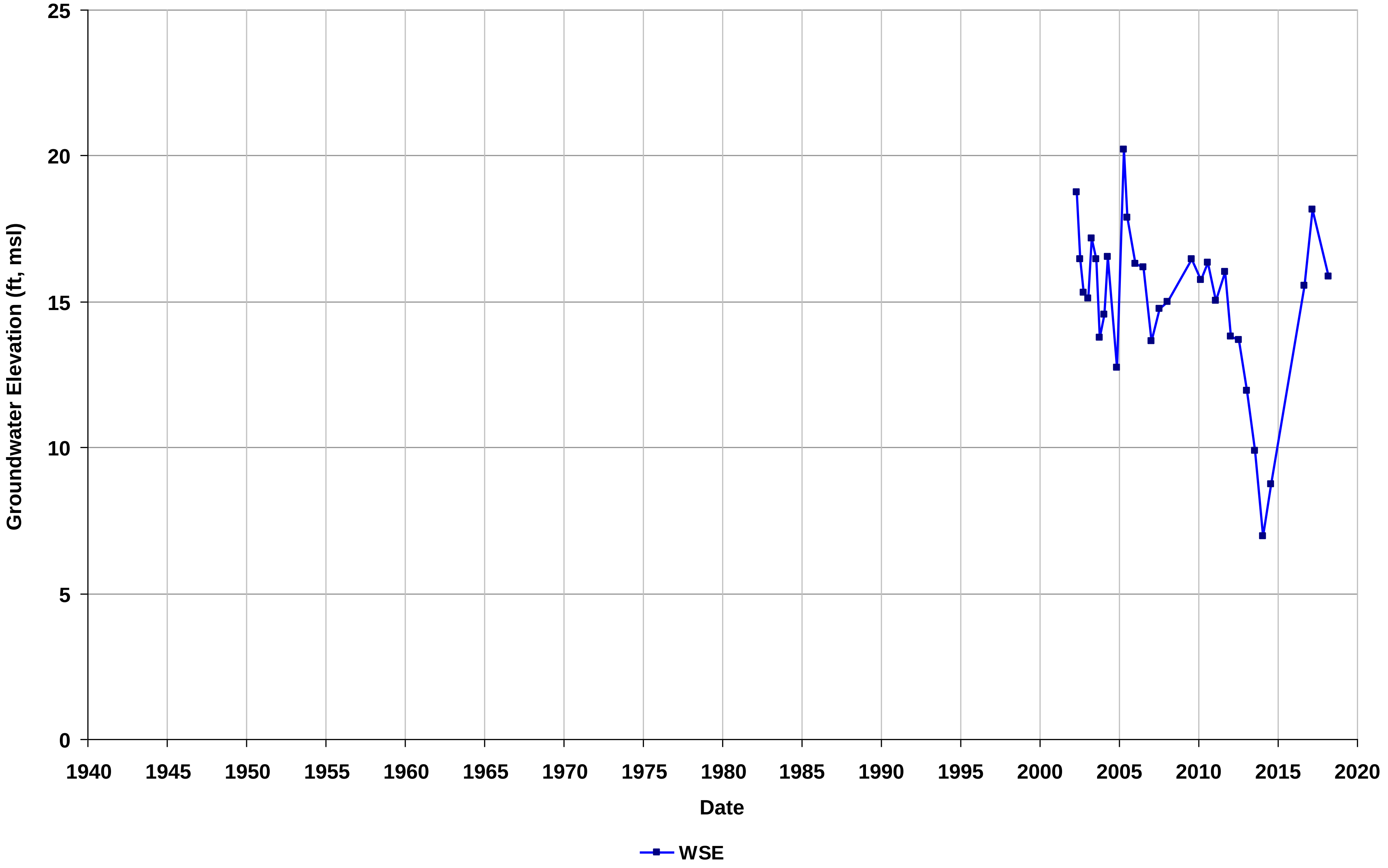
Well Name: T0600100098-MW-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/30
Well Use: Observation



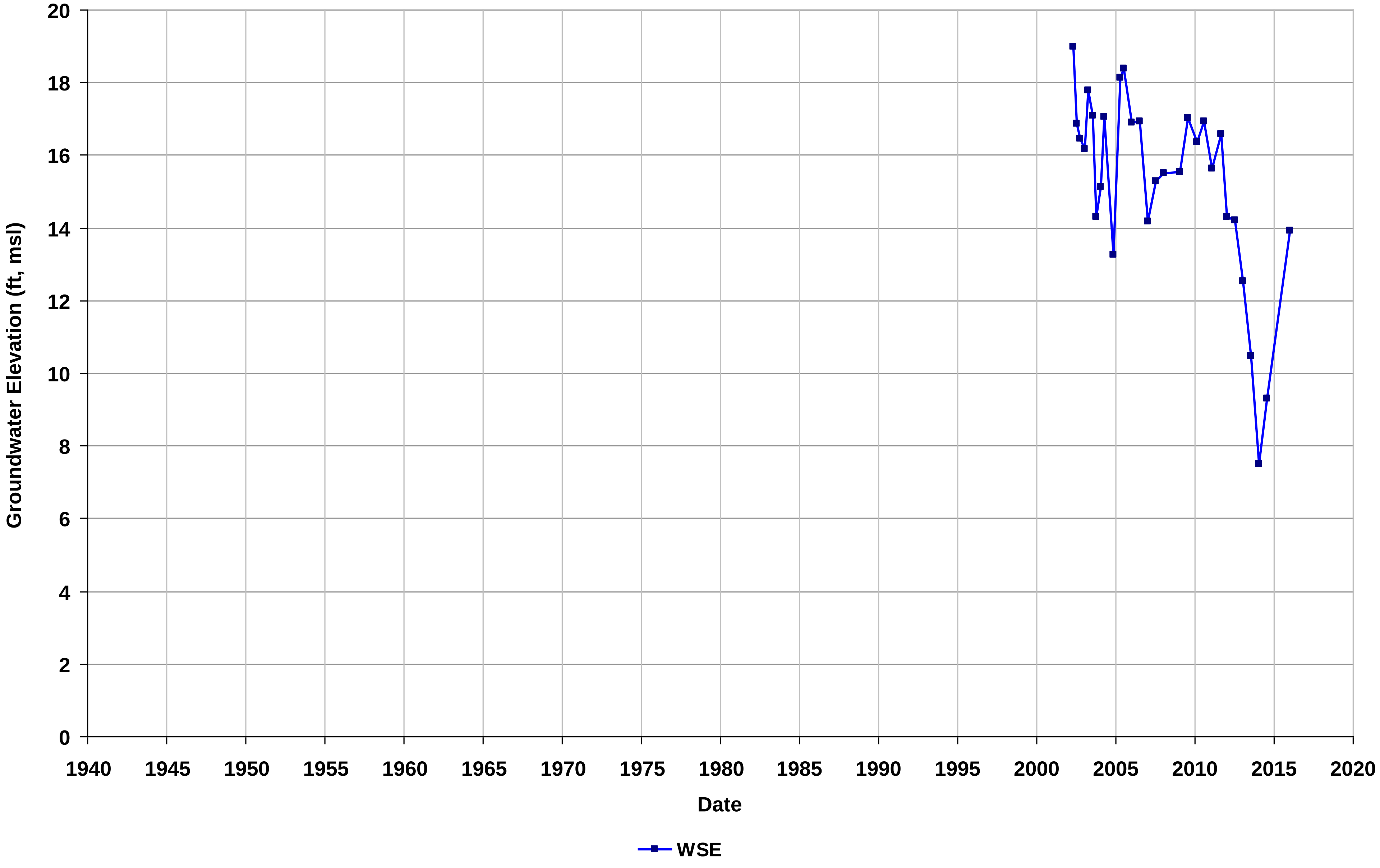
Well Name: T0600100099-EX-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



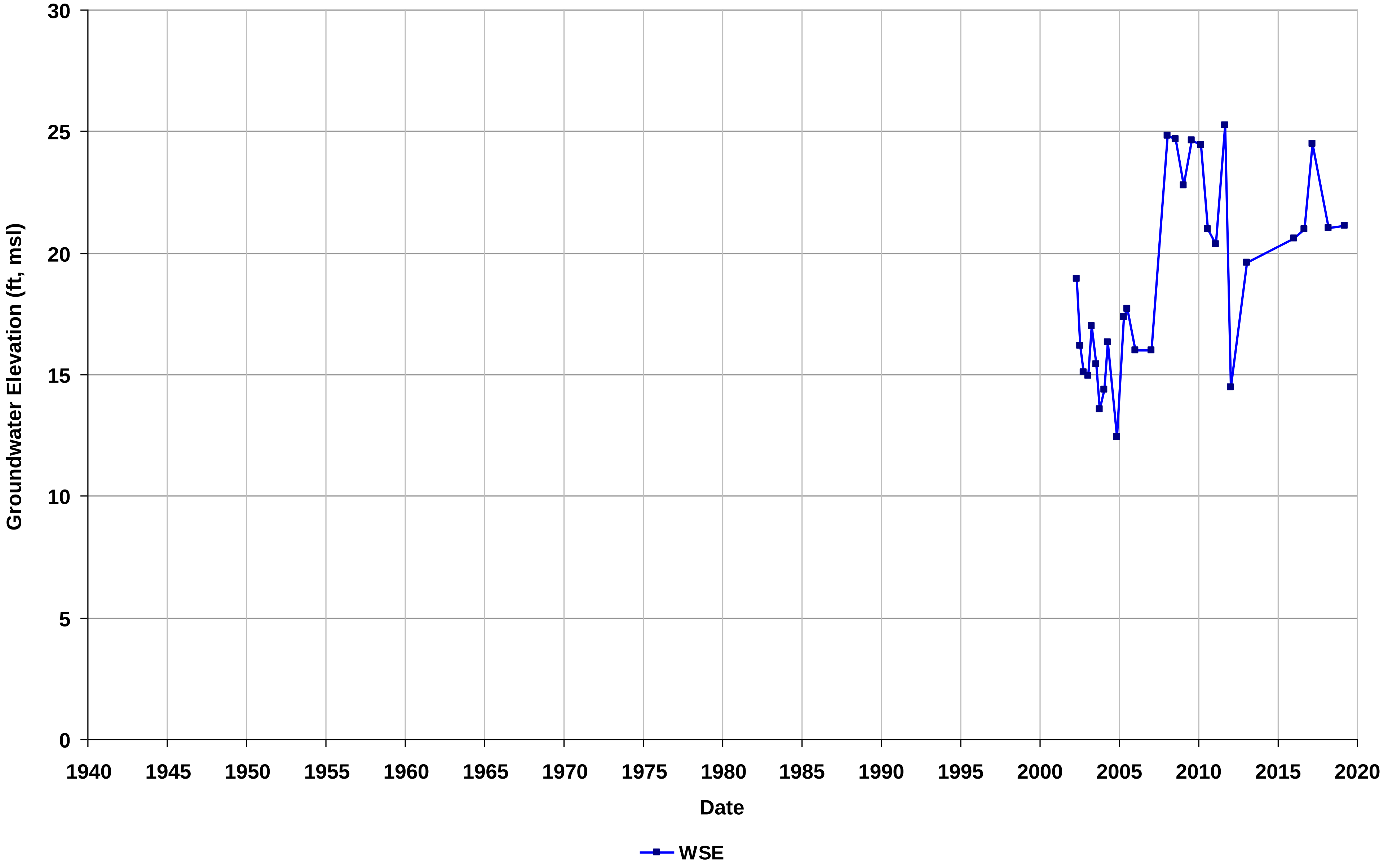
Well Name: T0600100099-EX-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



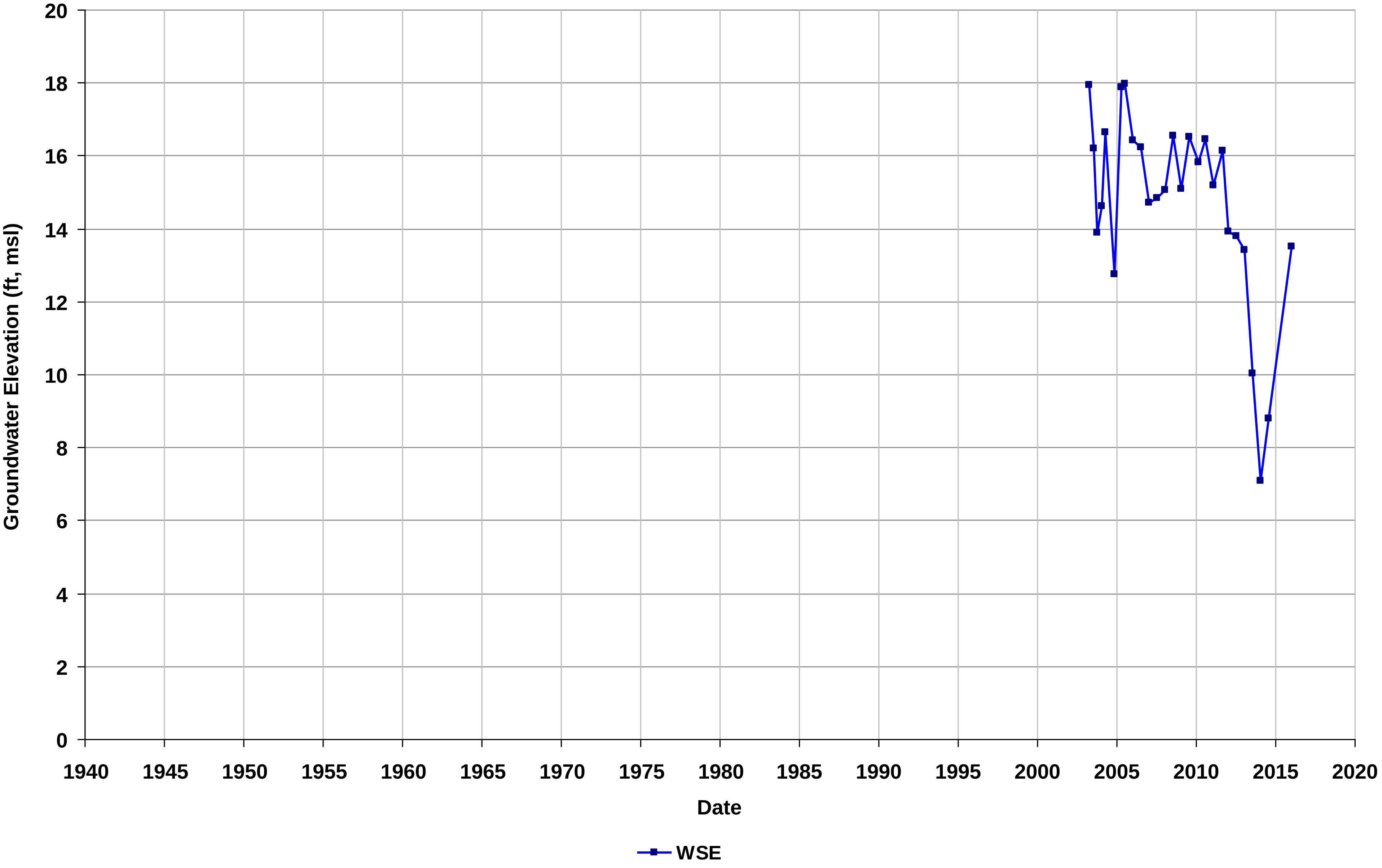
Well Name: T0600100099-MW-10
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



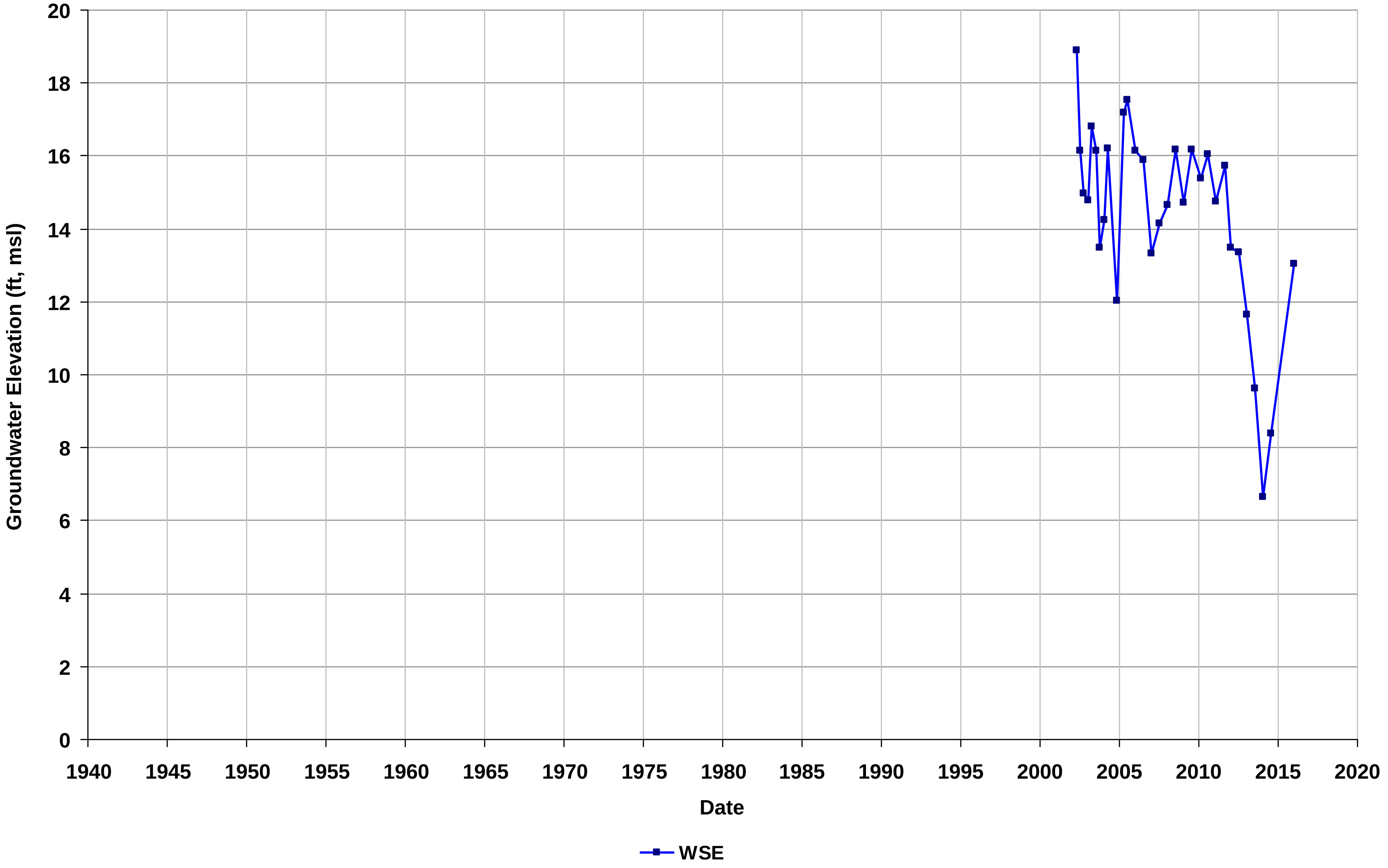
Well Name: T0600100099-MW-11
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



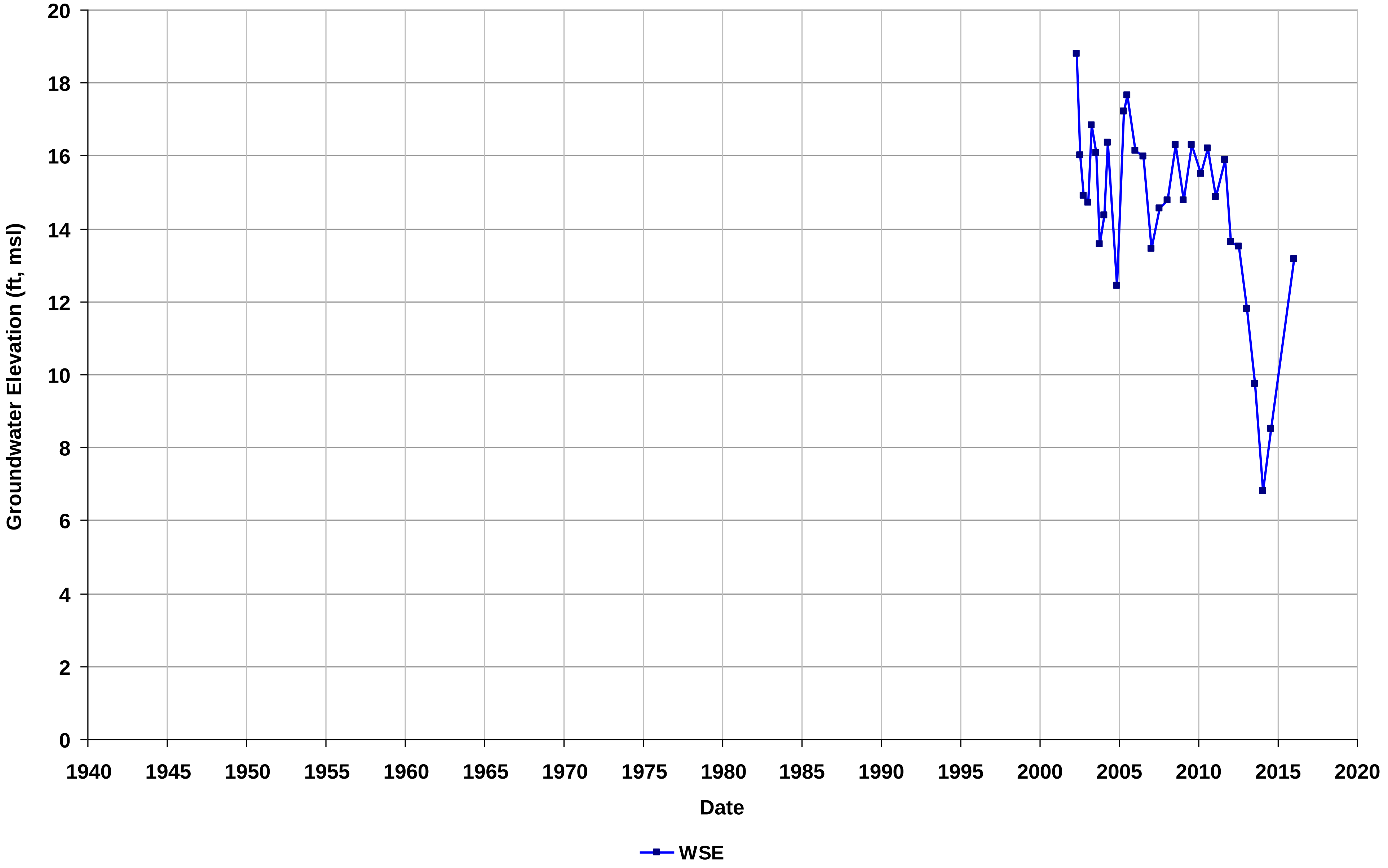
Well Name: T0600100099-MW-12
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



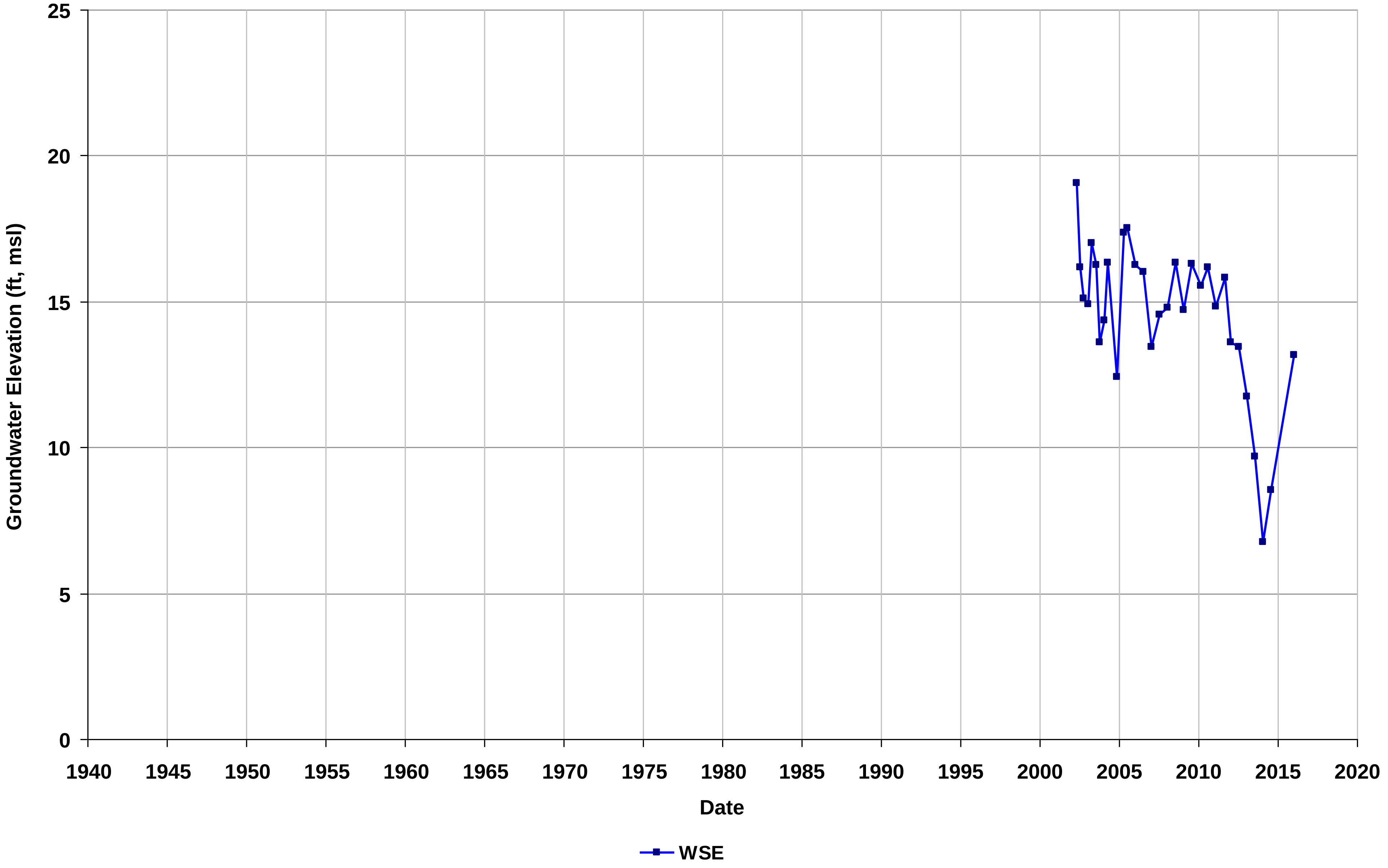
Well Name: T0600100099-MW-13
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



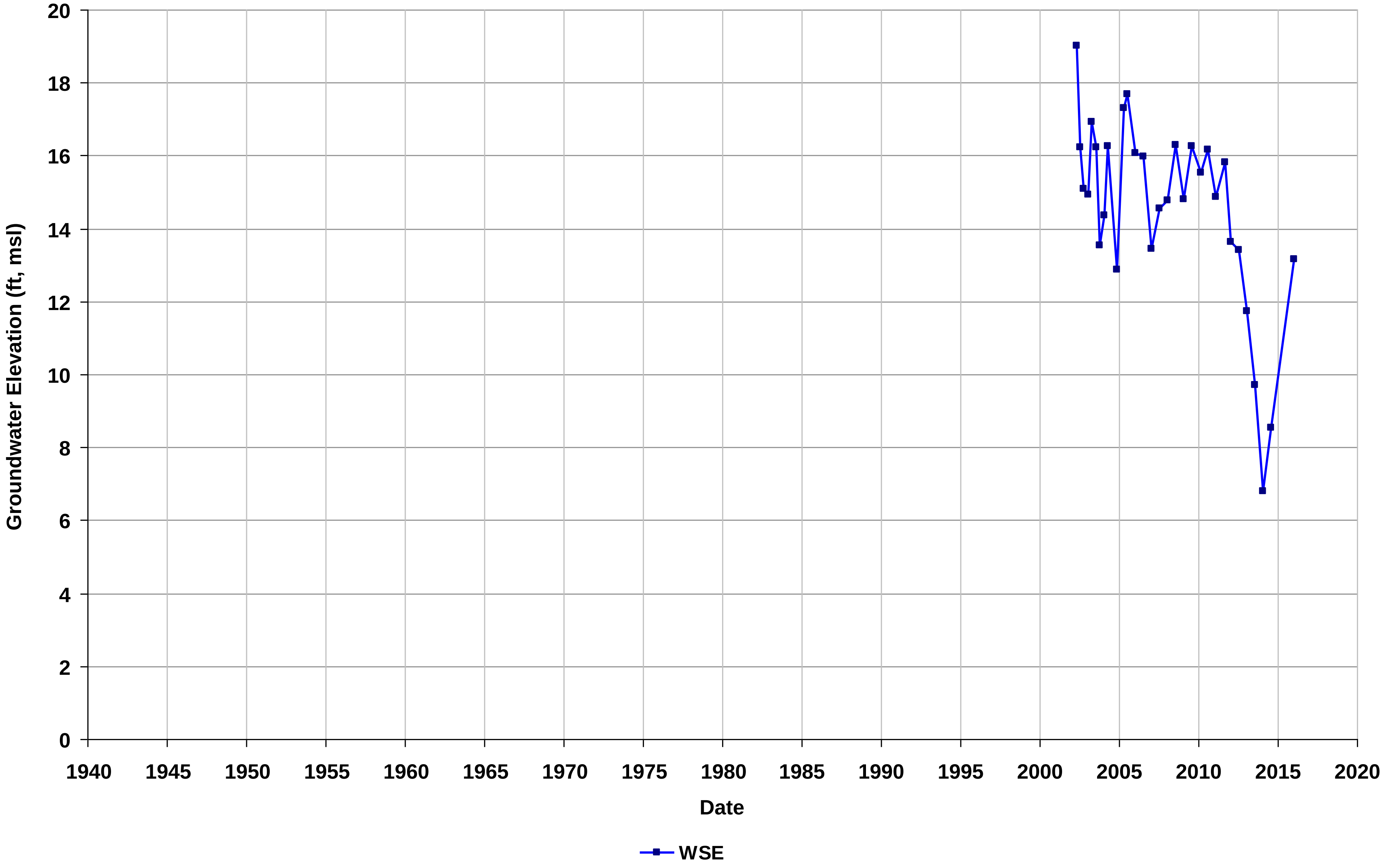
Well Name: T0600100099-MW-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



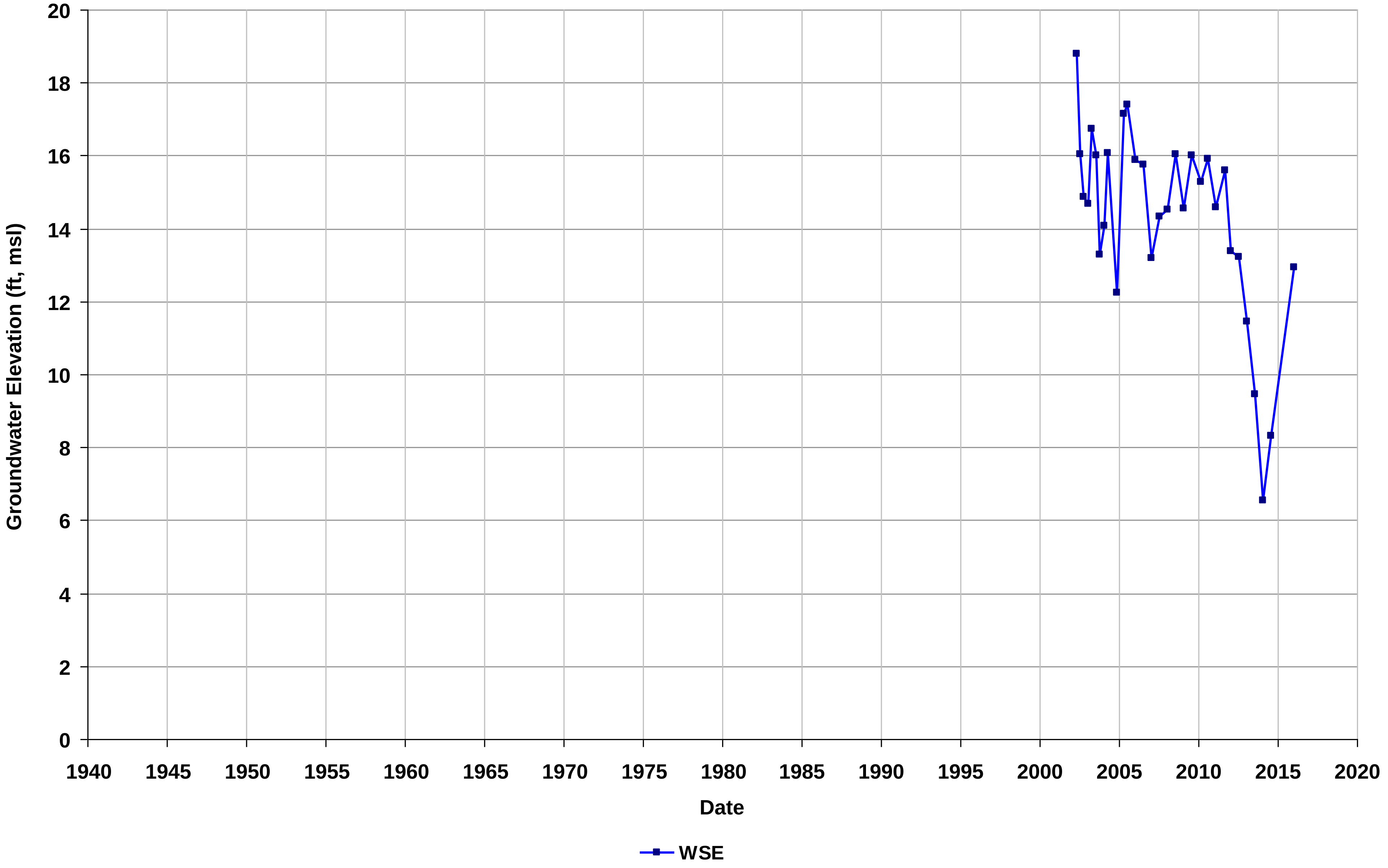
Well Name: T0600100099-MW-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



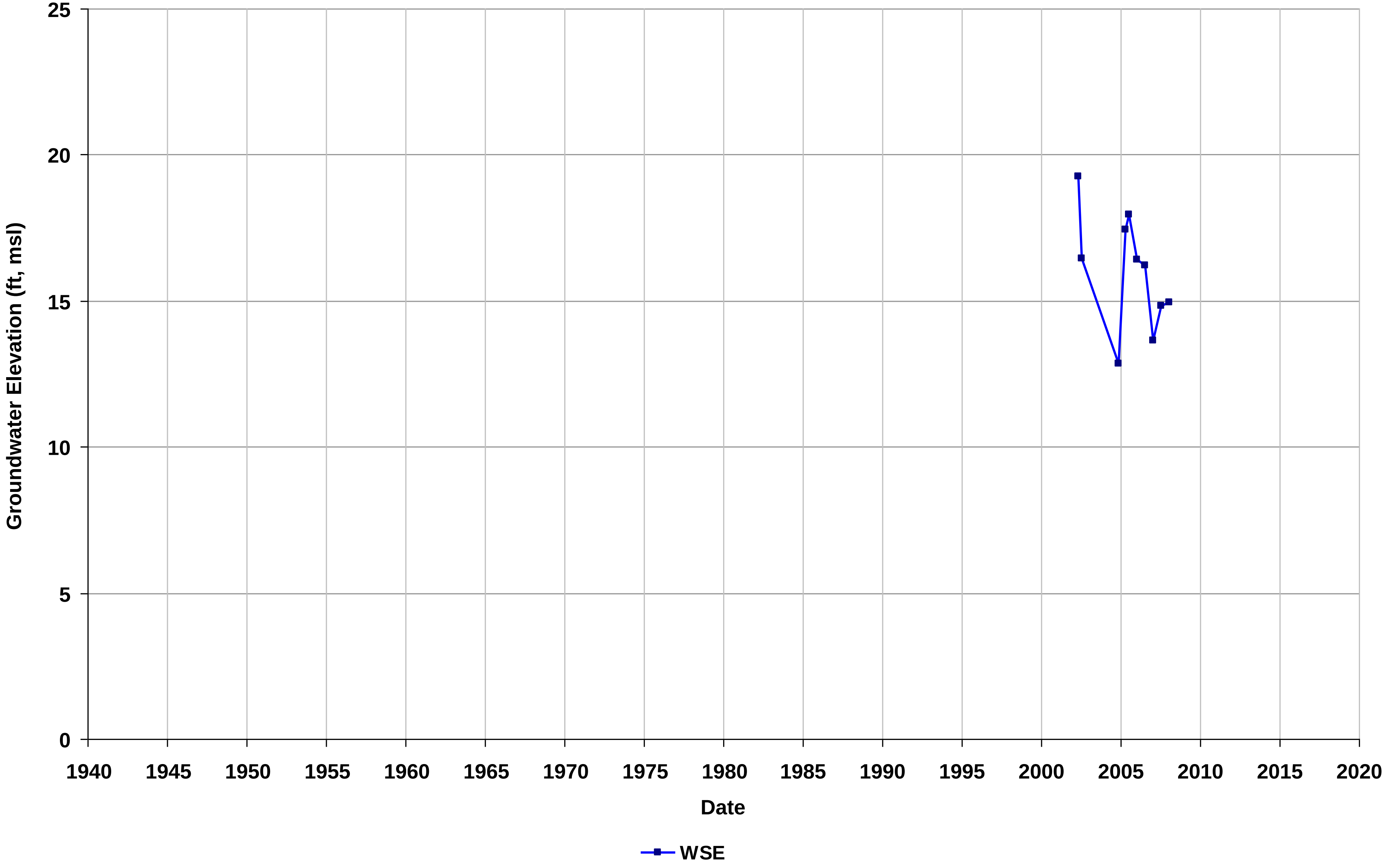
Well Name: T0600100099-MW-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



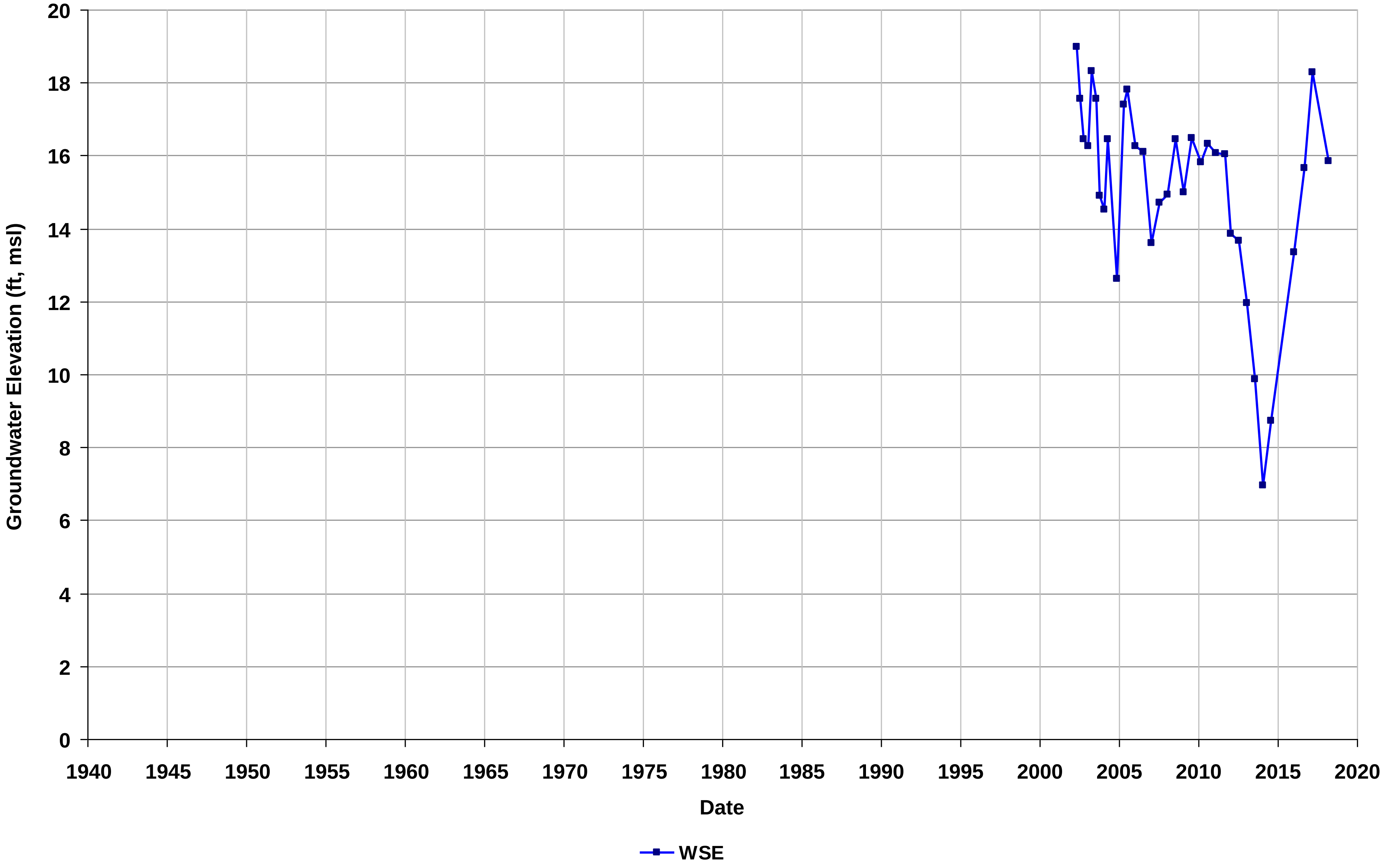
Well Name: T0600100099-MW-5
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



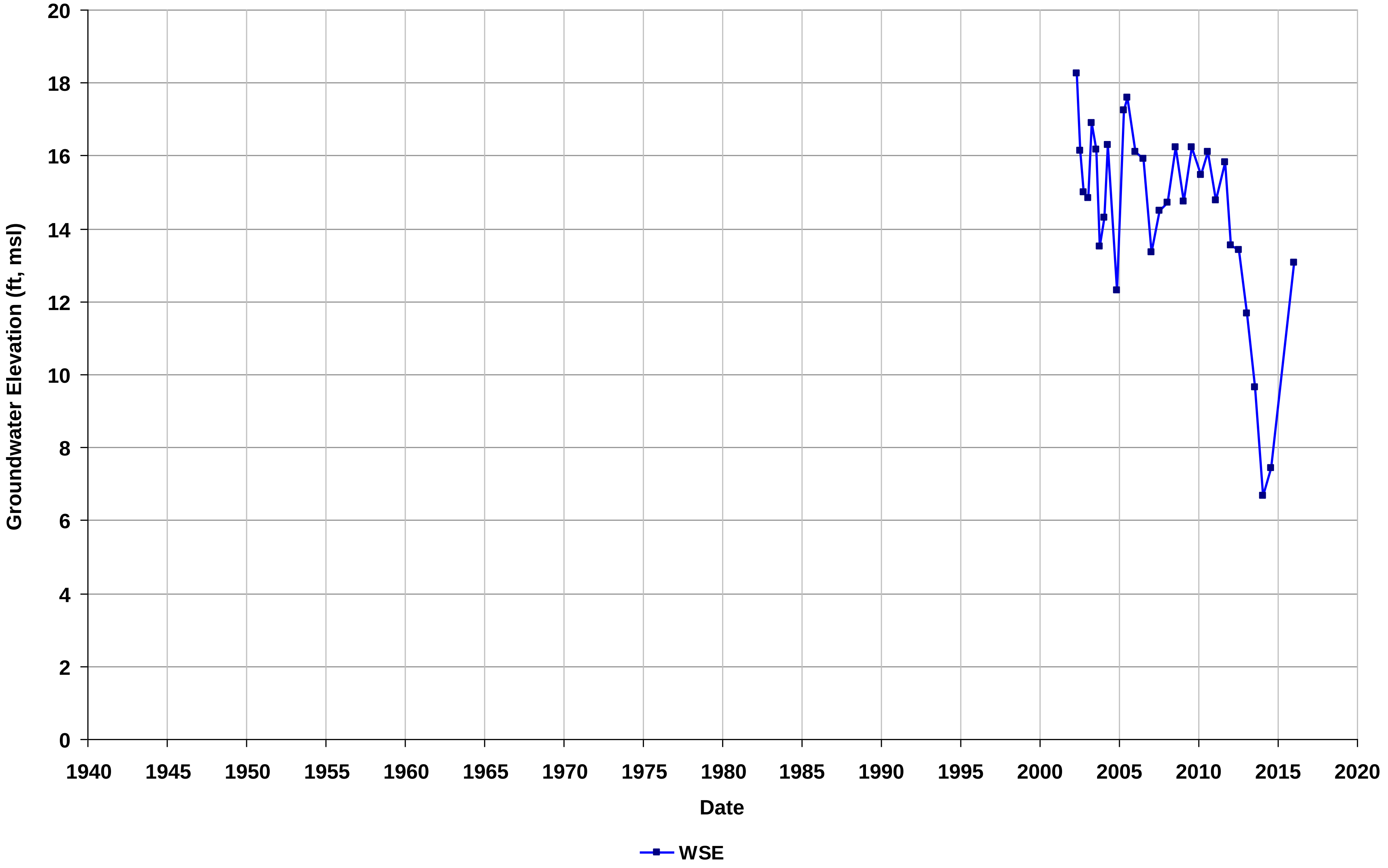
Well Name: T0600100099-MW-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



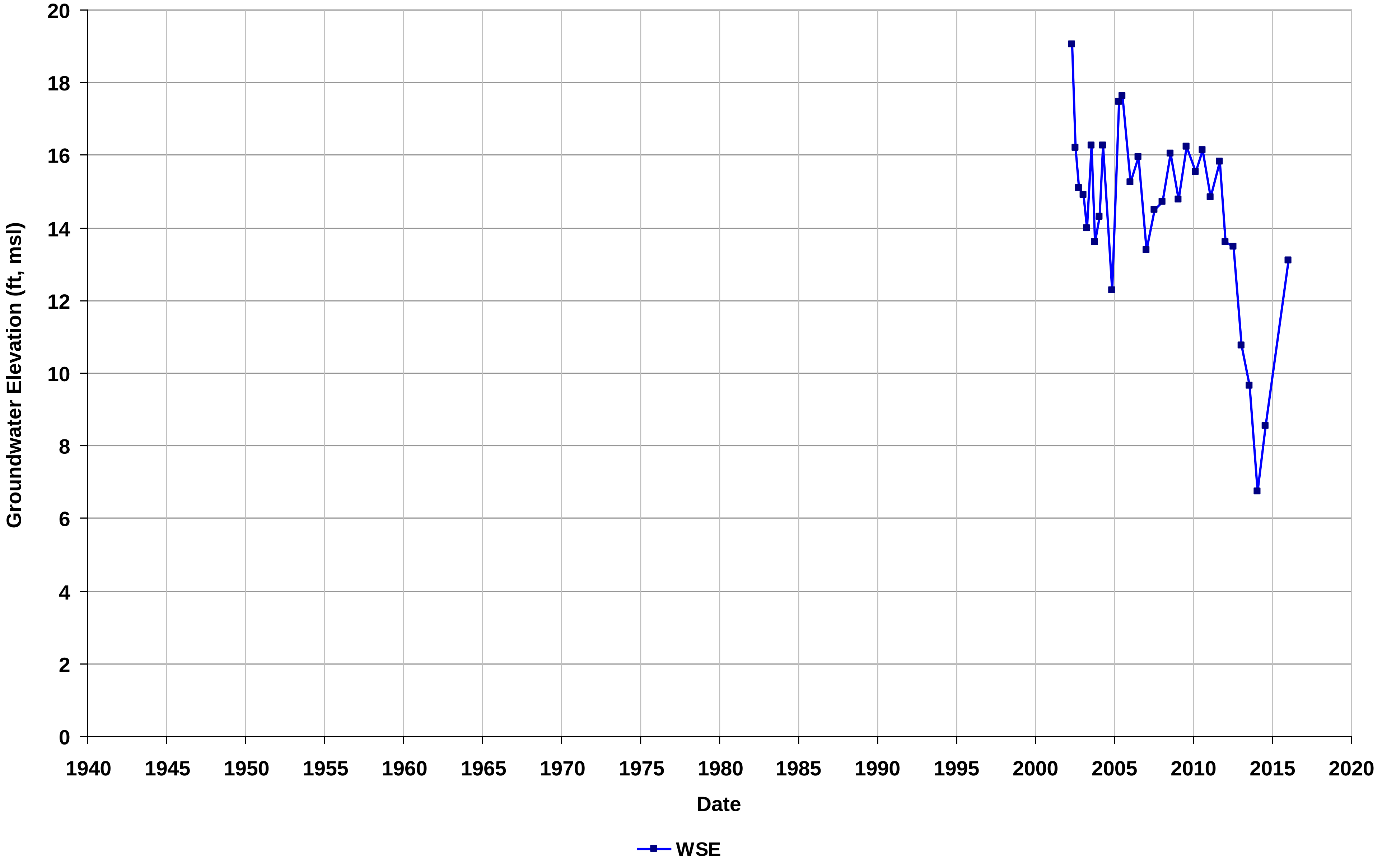
Well Name: T0600100099-MW-7
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



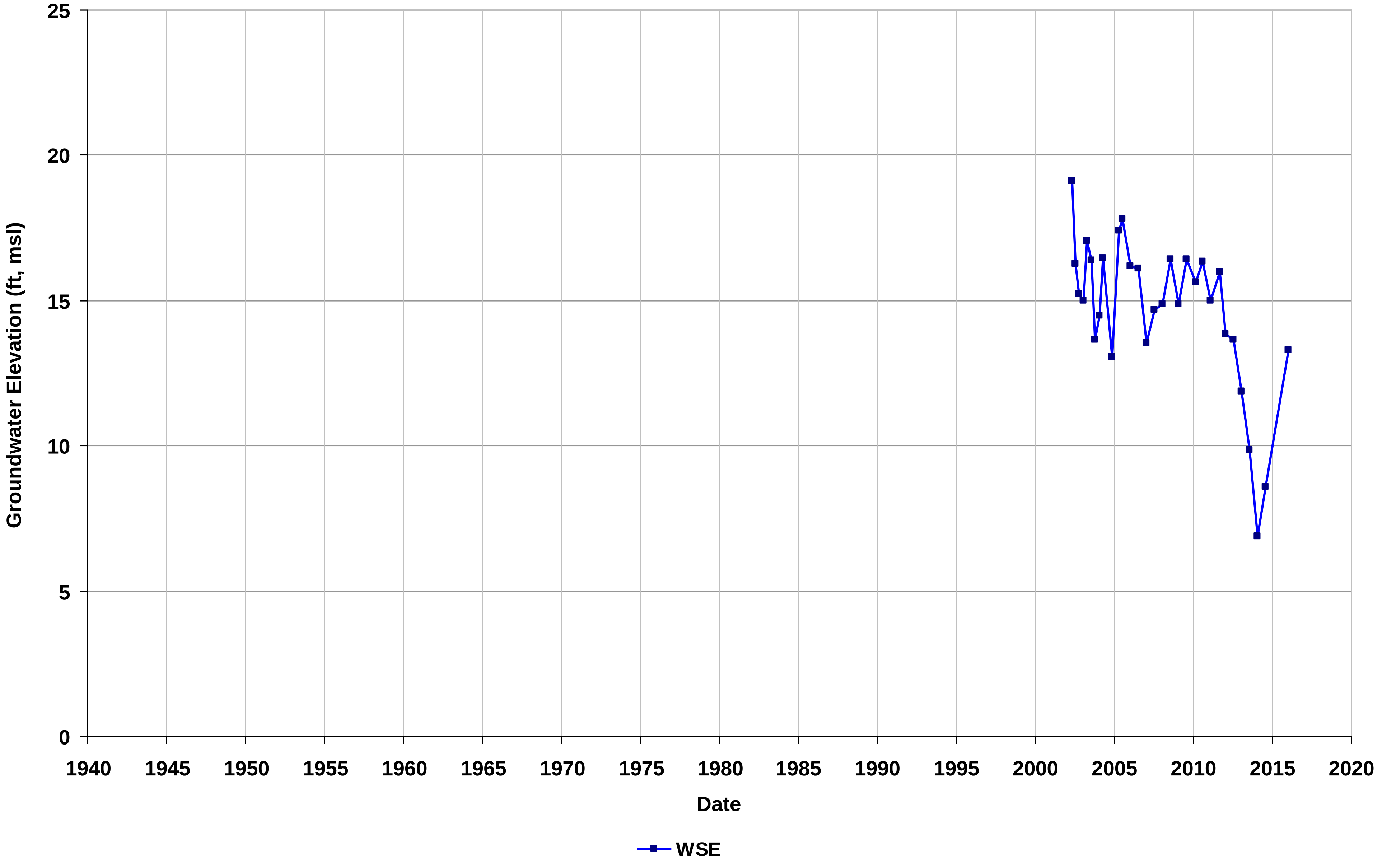
Well Name: T0600100099-MW-8
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



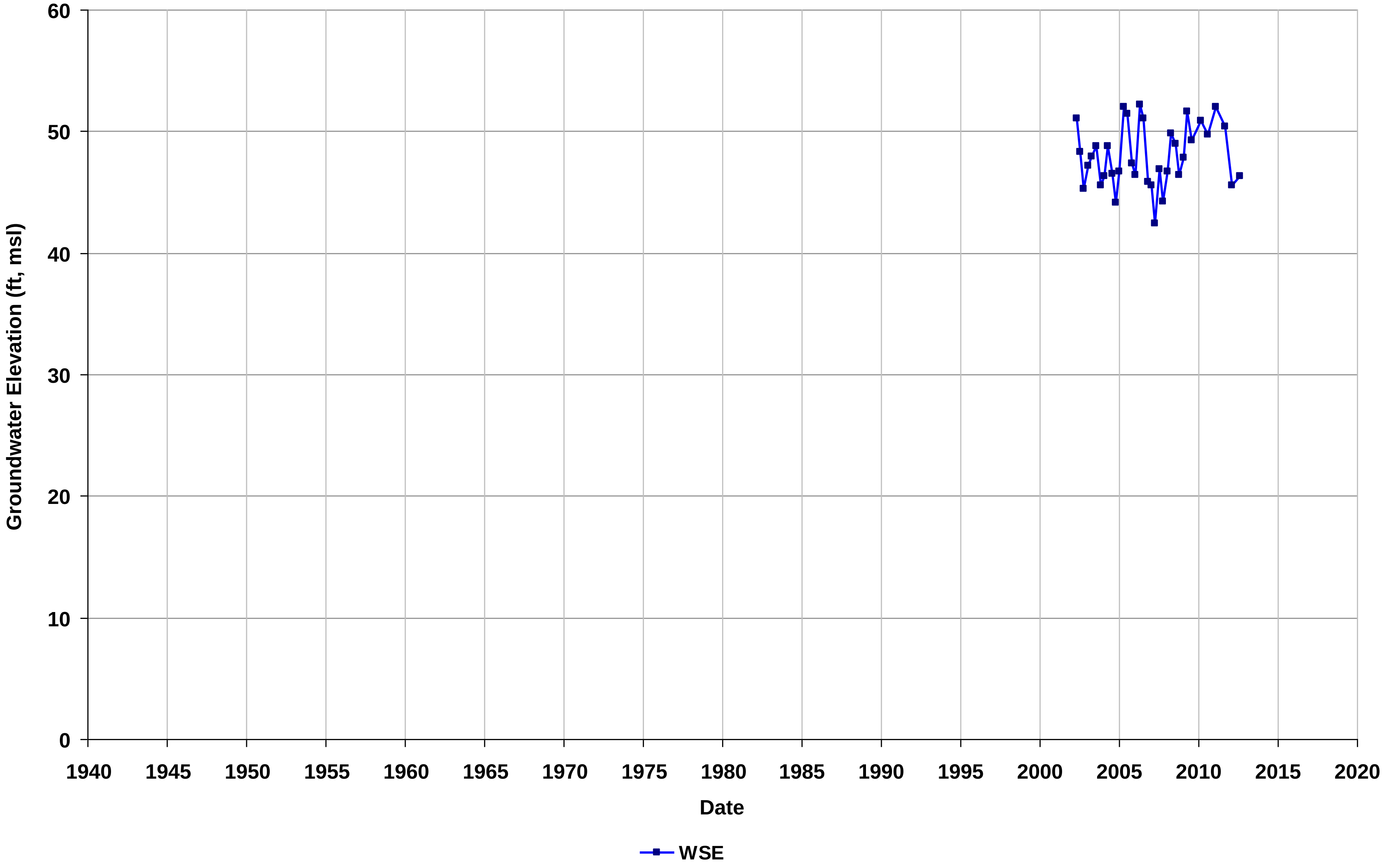
Well Name: T0600100099-MW-9
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



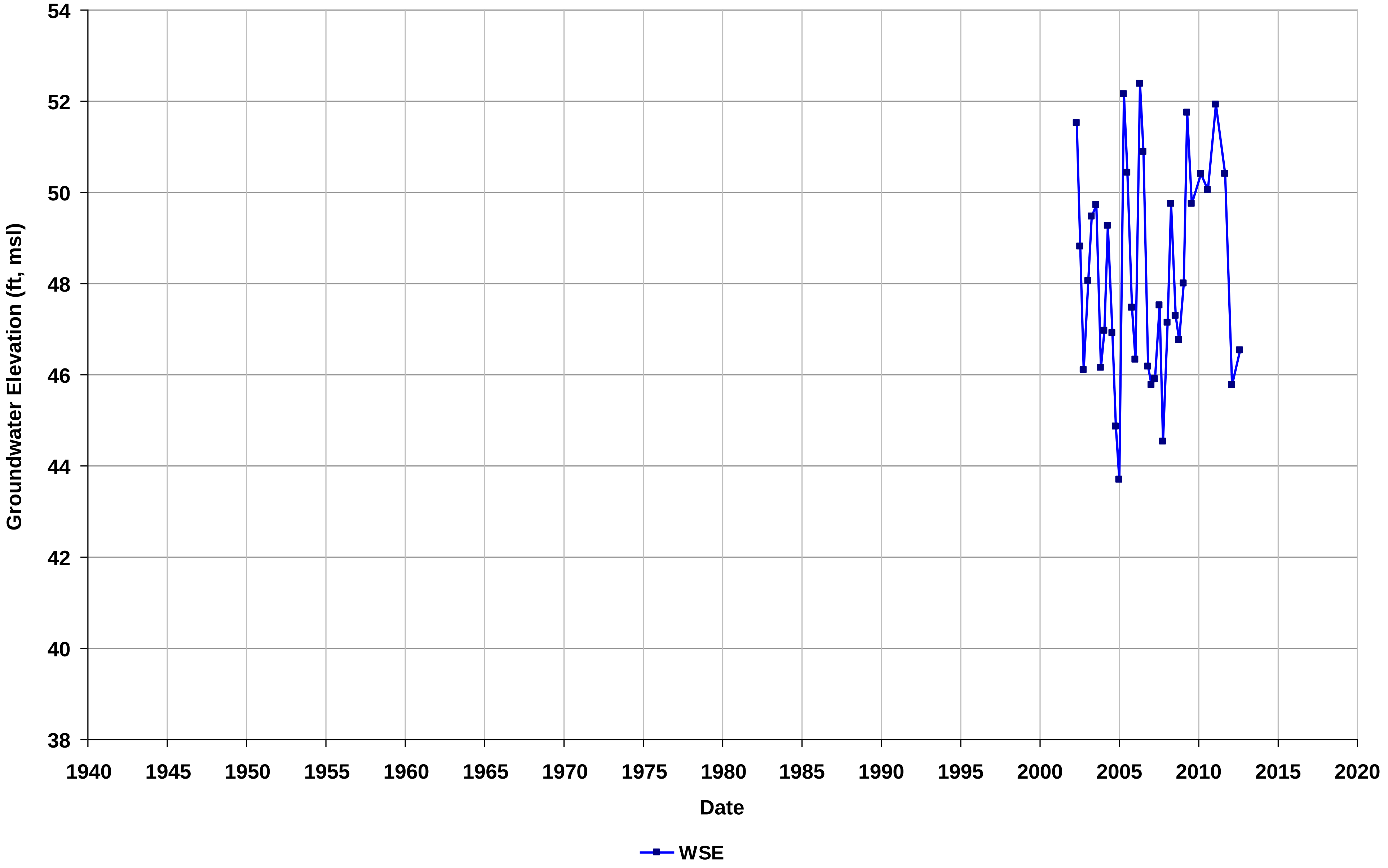
Well Name: T0600100100-MW-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/27
Well Use: Observation



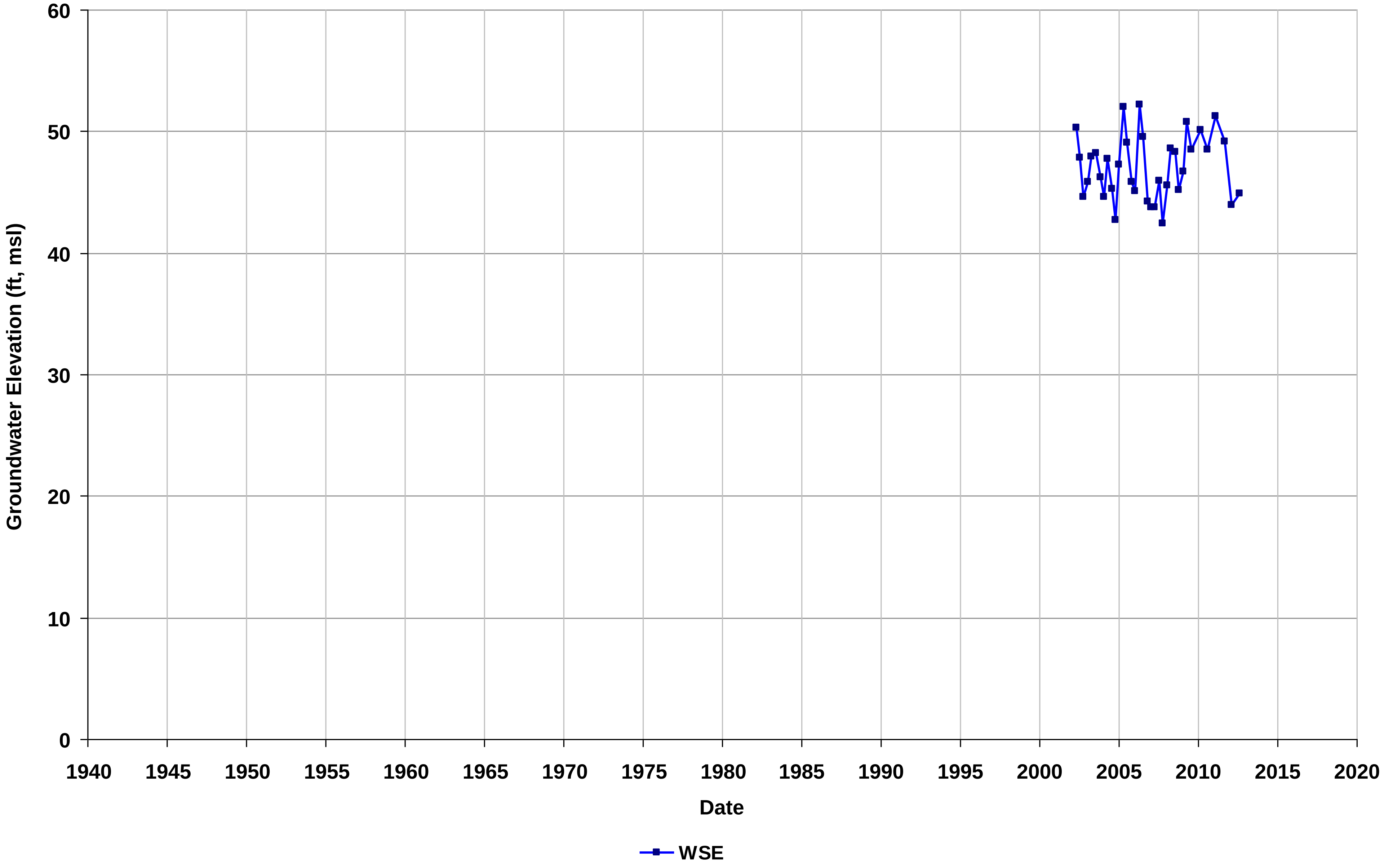
Well Name: T0600100100-MW-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/27
Well Use: Observation



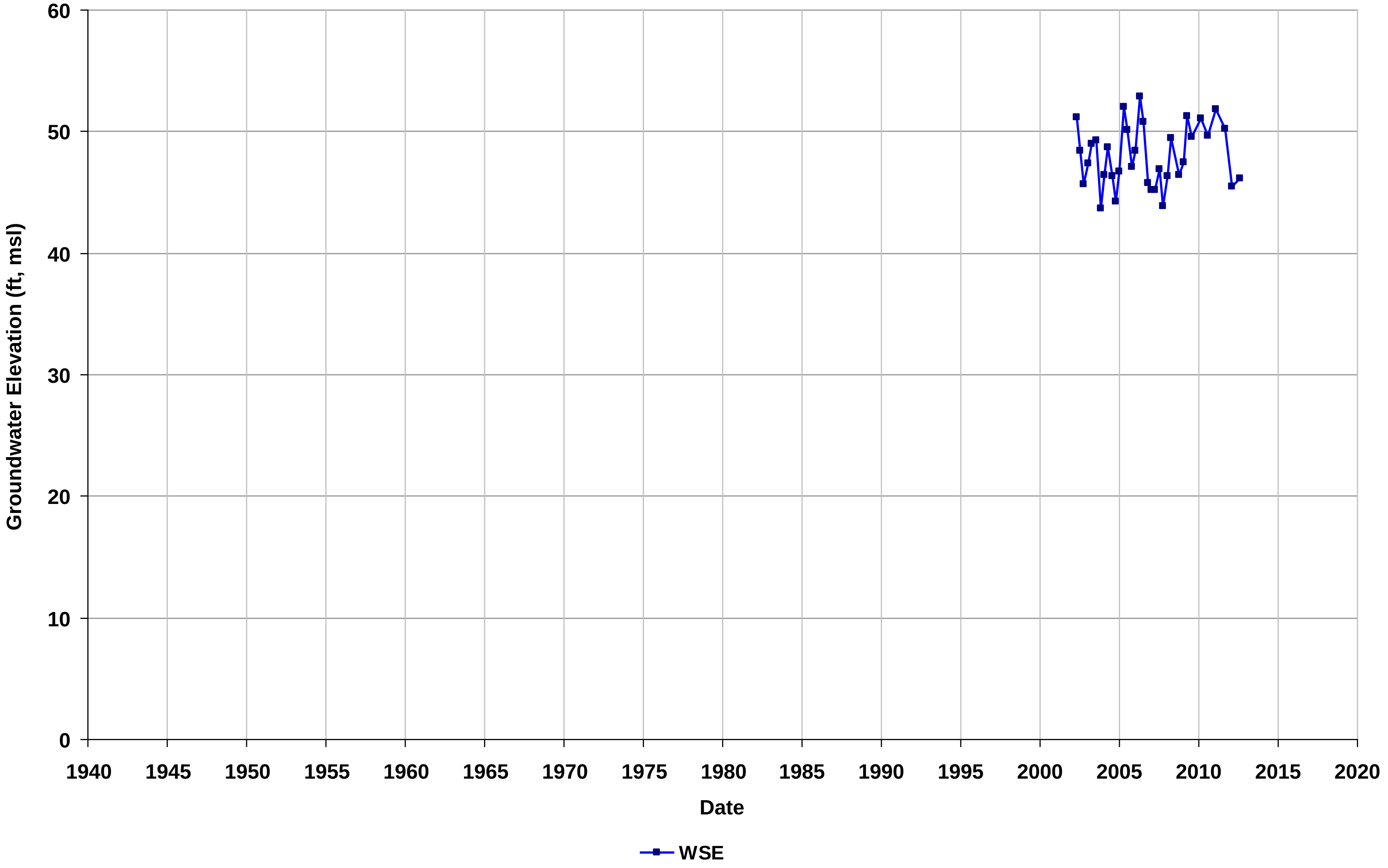
Well Name: T0600100100-MW-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/27
Well Use: Observation



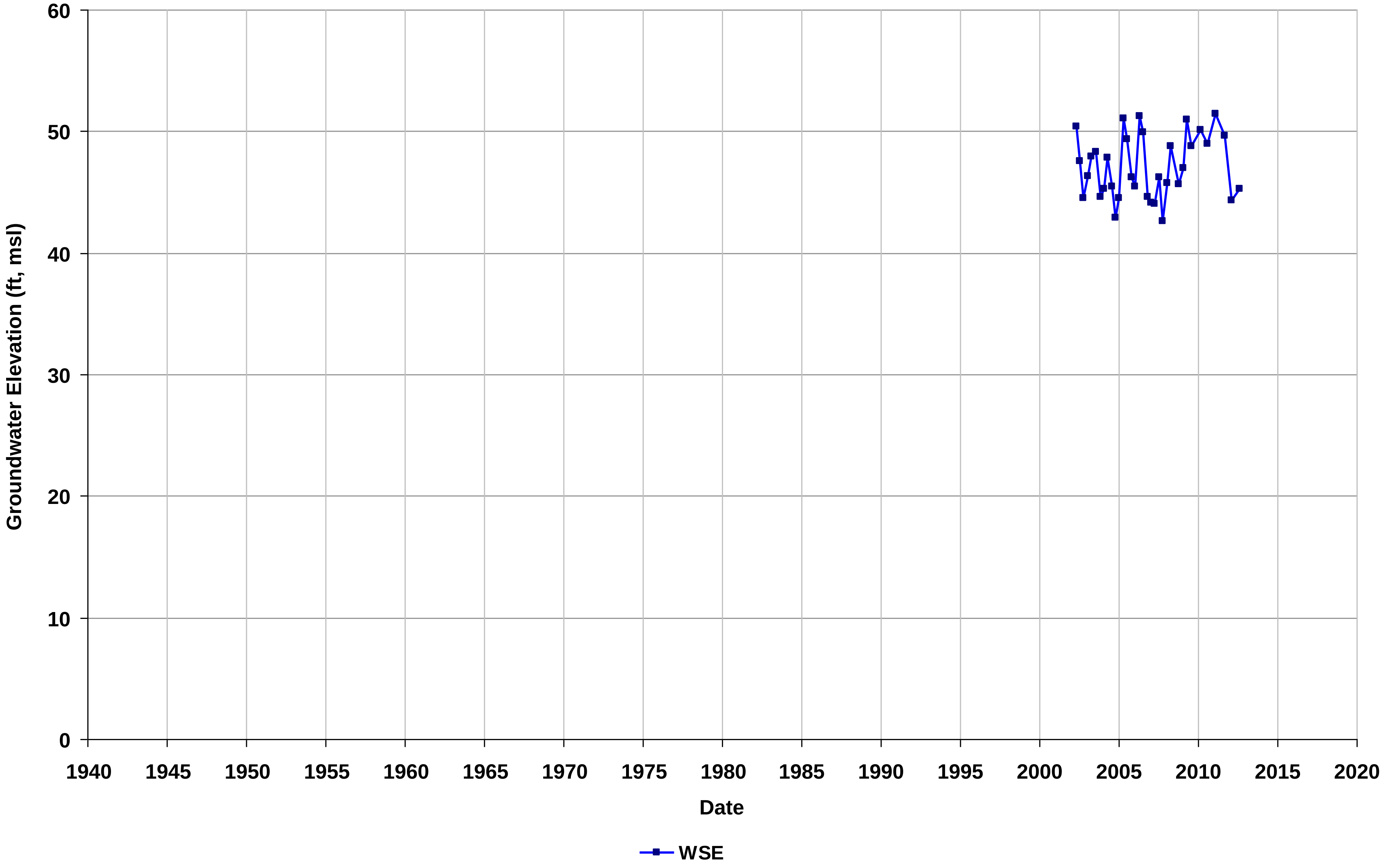
Well Name: T0600100100-MW-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/27
Well Use: Observation



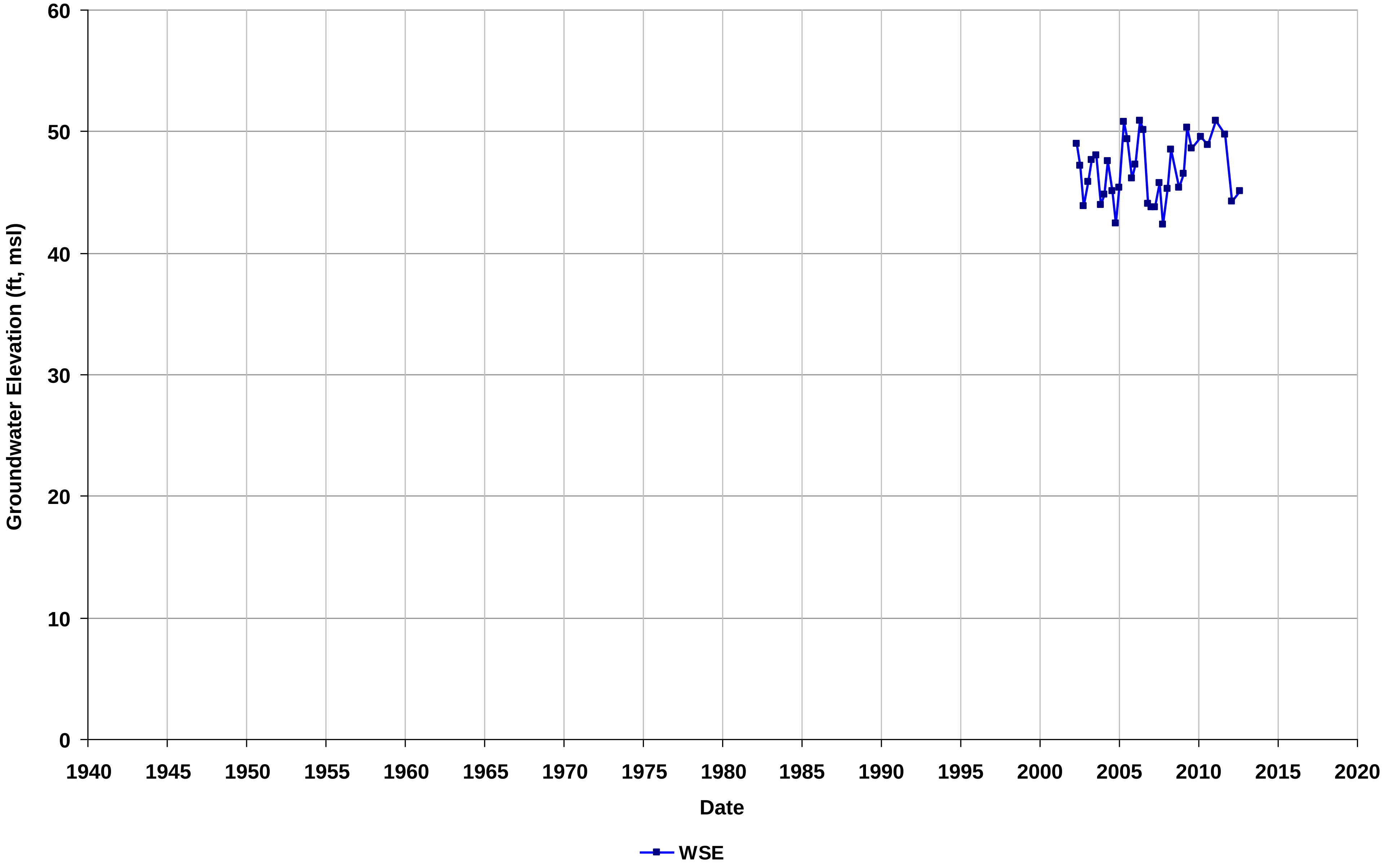
Well Name: T0600100100-MW-5
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/27
Well Use: Observation



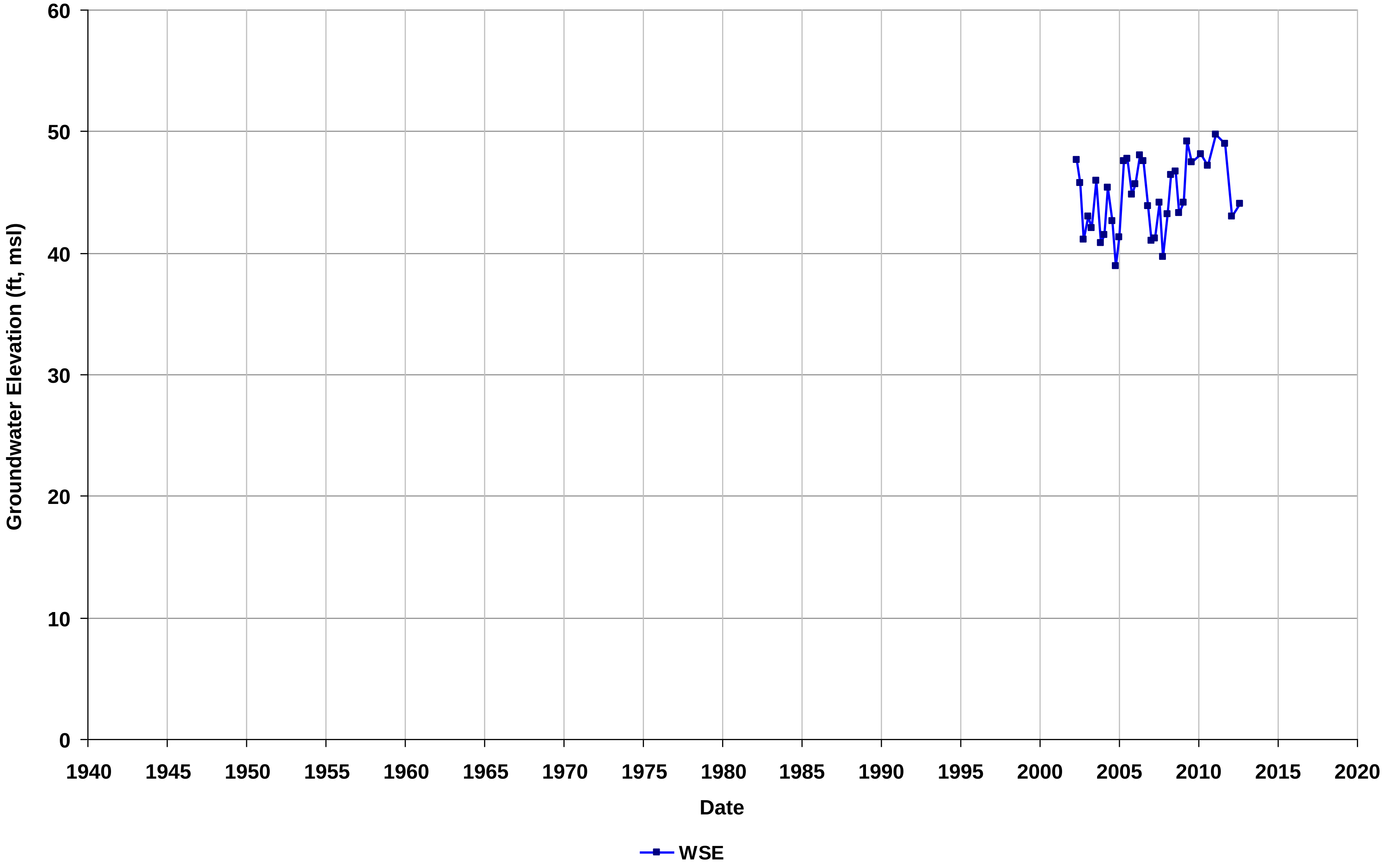
Well Name: T0600100100-MW-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/27
Well Use: Observation



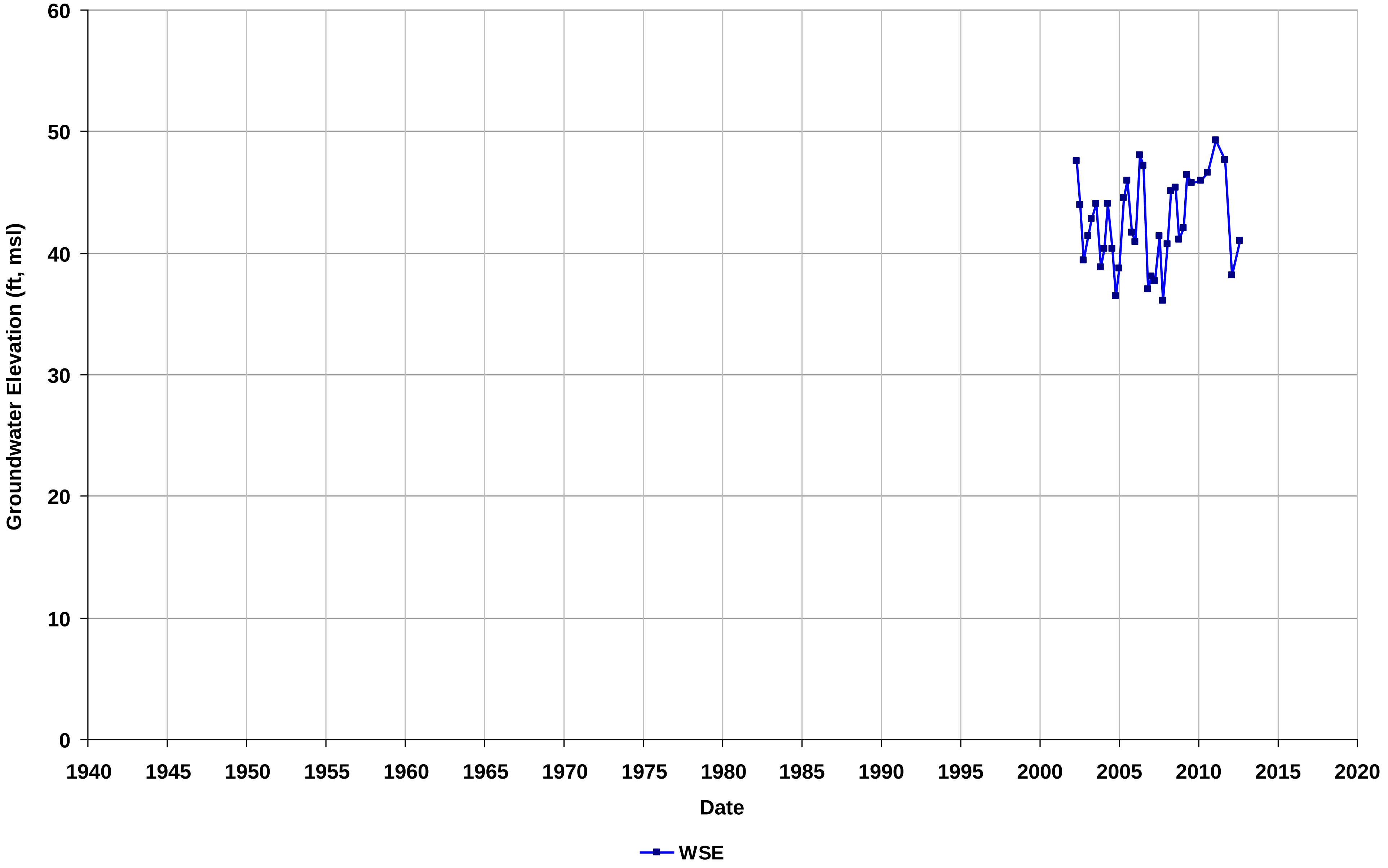
Well Name: T0600100100-MW-7
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/27
Well Use: Observation



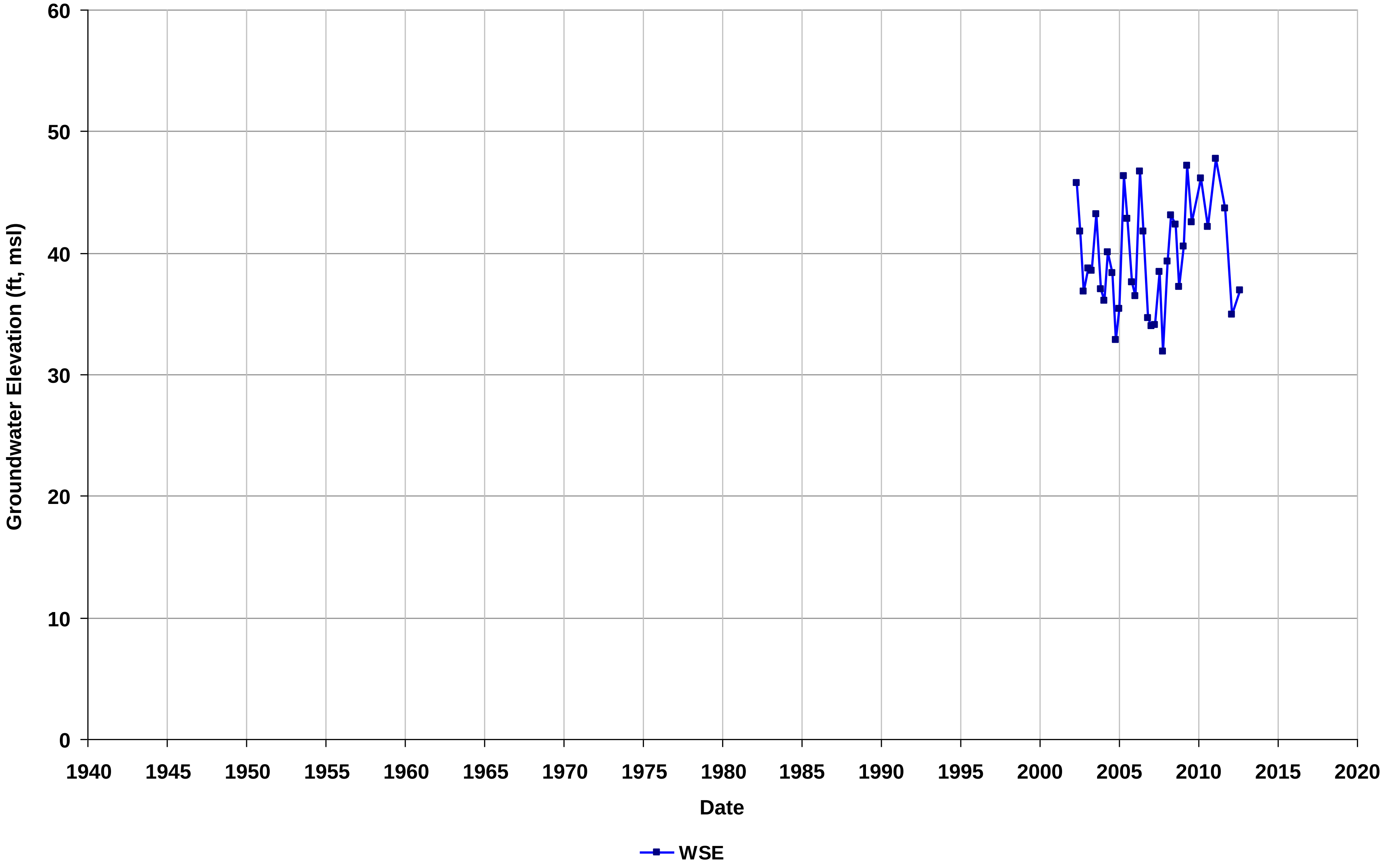
Well Name: T0600100100-MW-8
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/27
Well Use: Observation



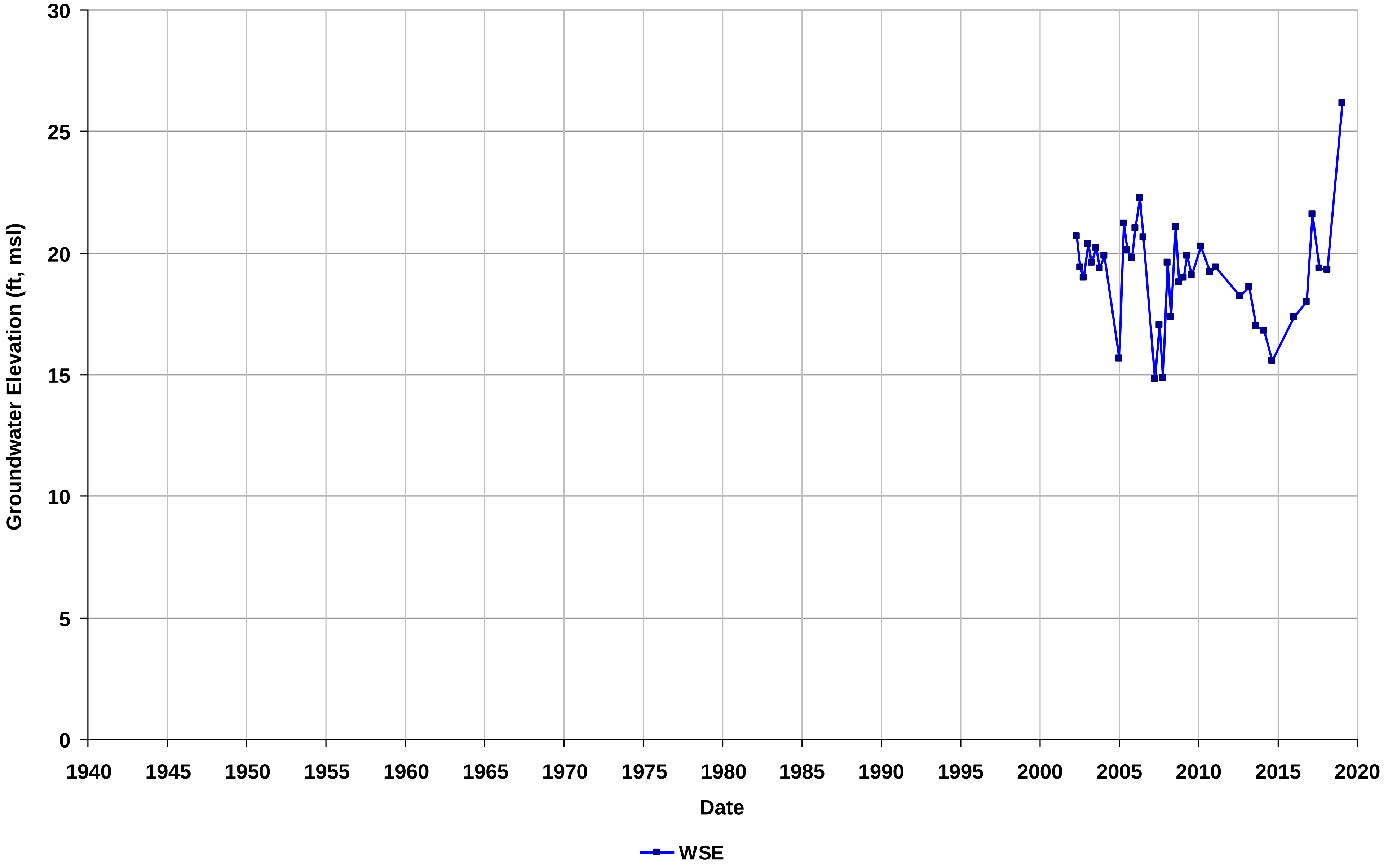
Well Name: T0600100100-MW-9
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/27
Well Use: Observation



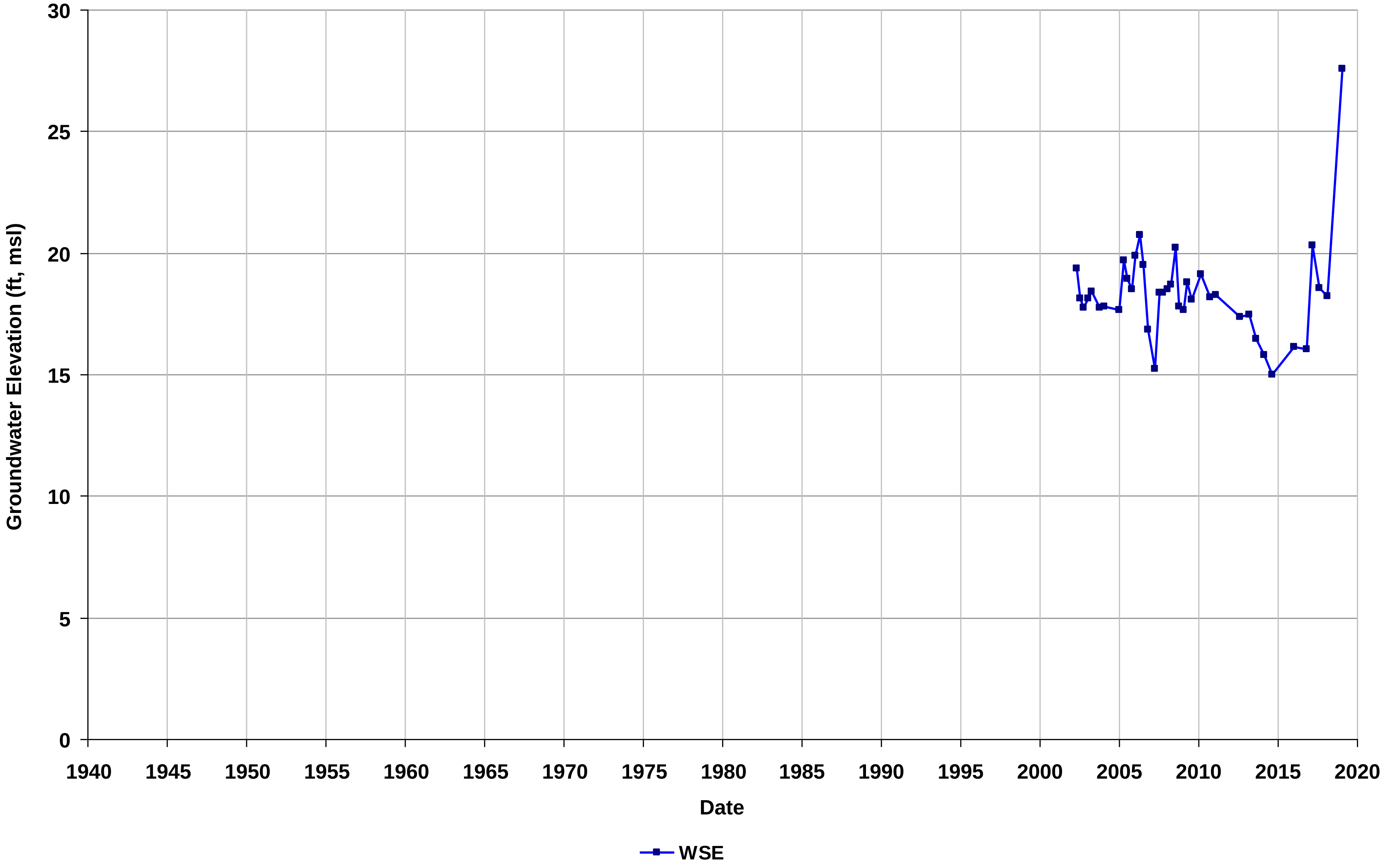
Well Name: T0600100102-EX-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



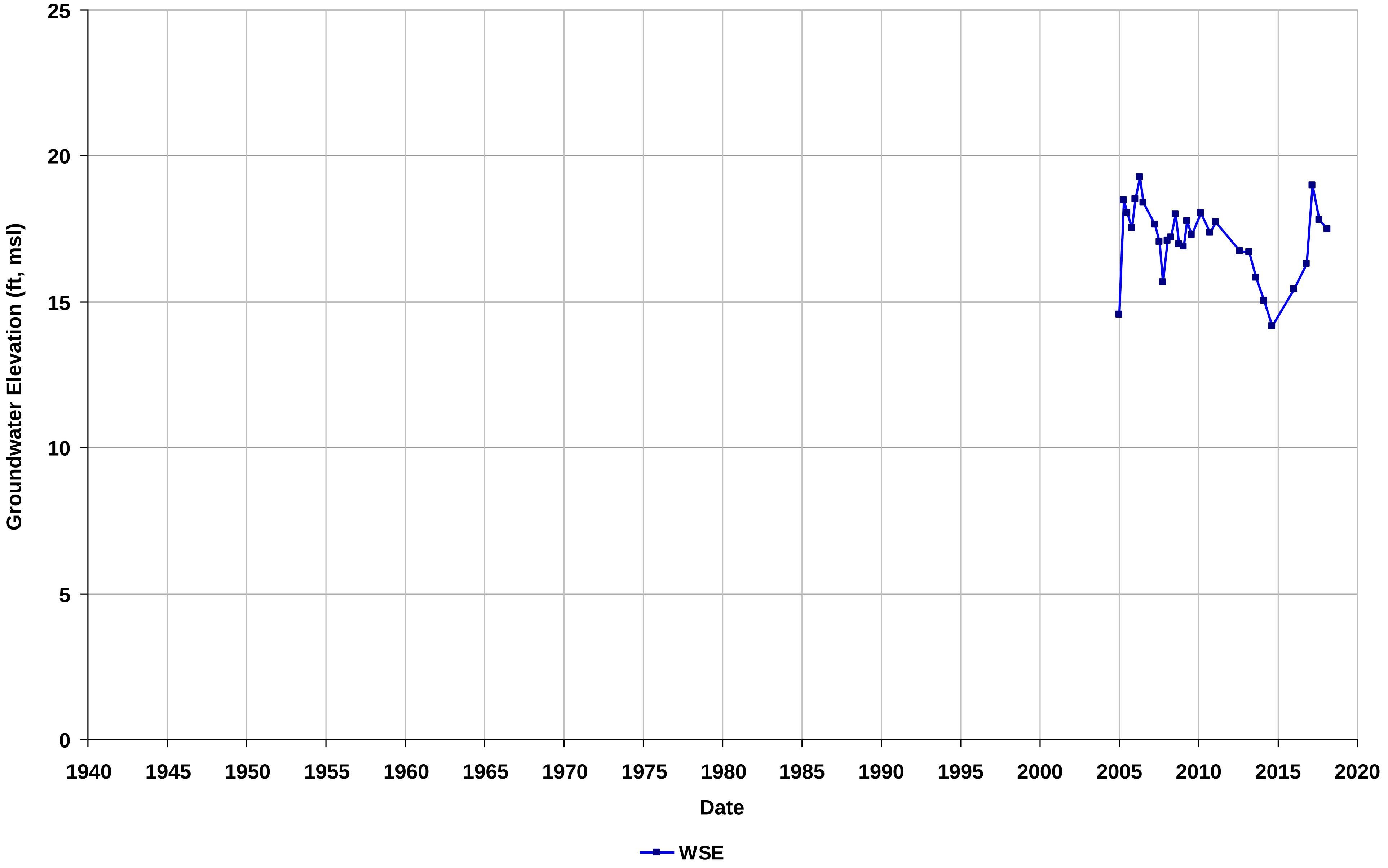
Well Name: T0600100102-EX-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



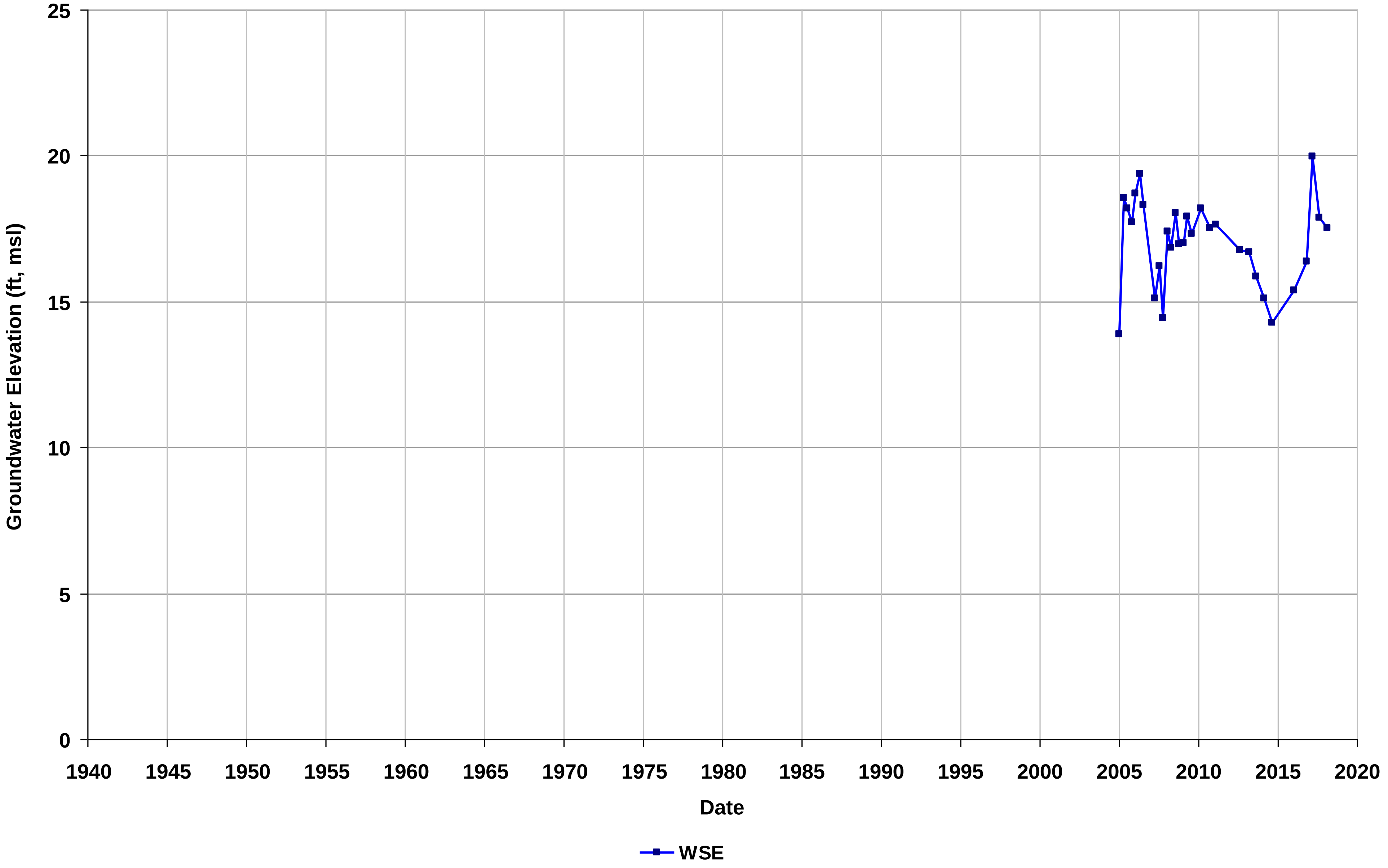
Well Name: T0600100102-EX-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



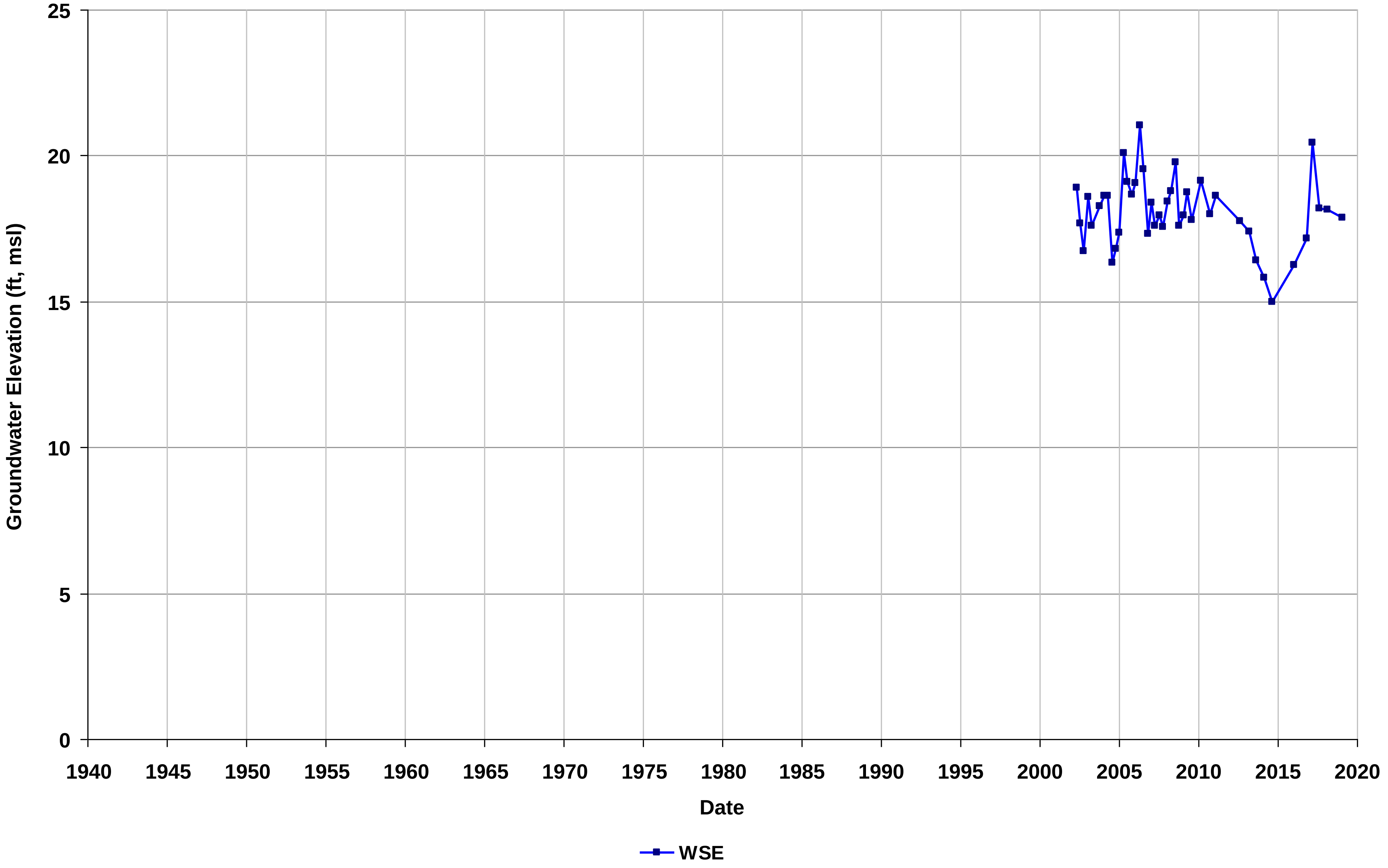
Well Name: T0600100102-EX-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



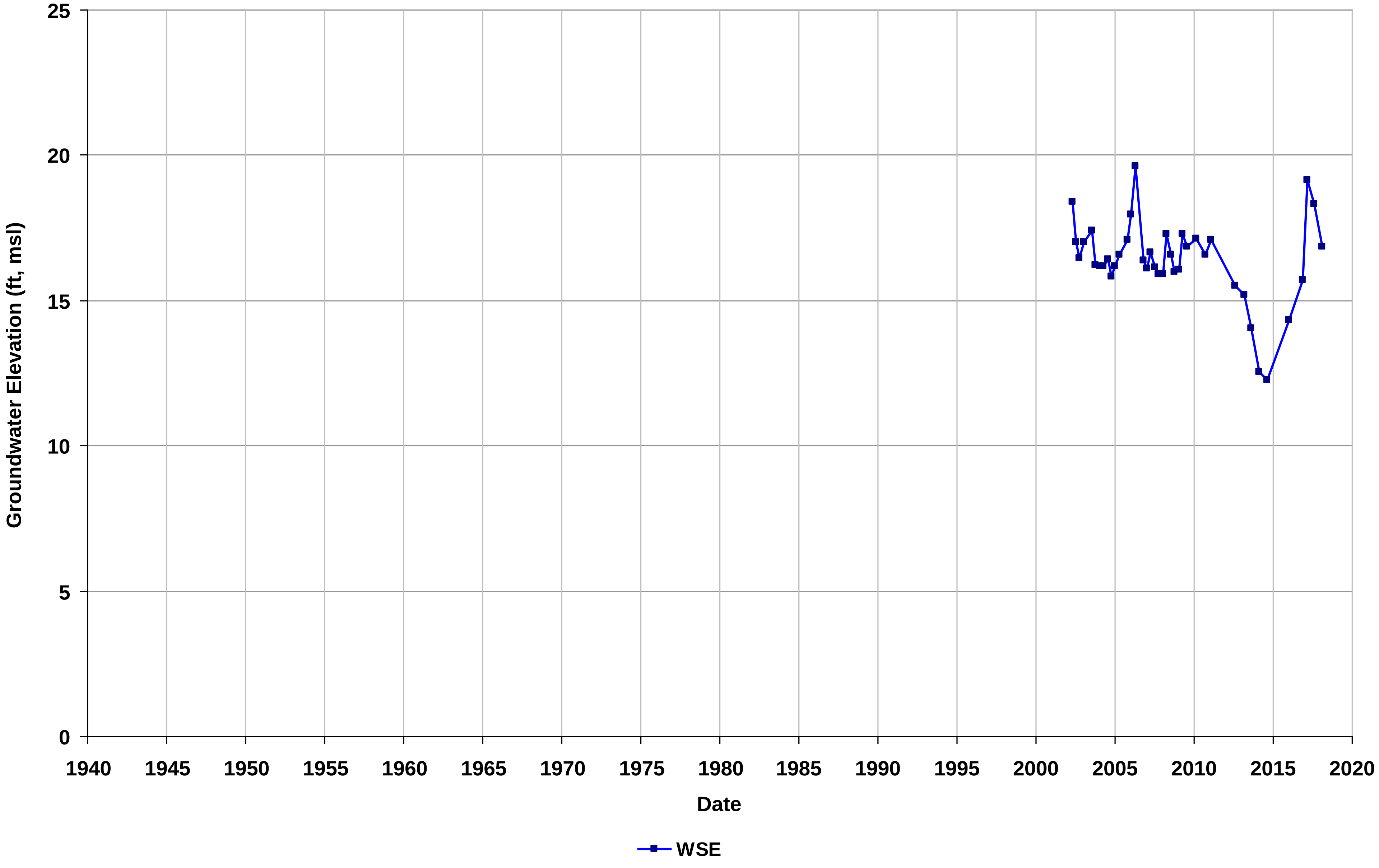
Well Name: T0600100102-MW-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



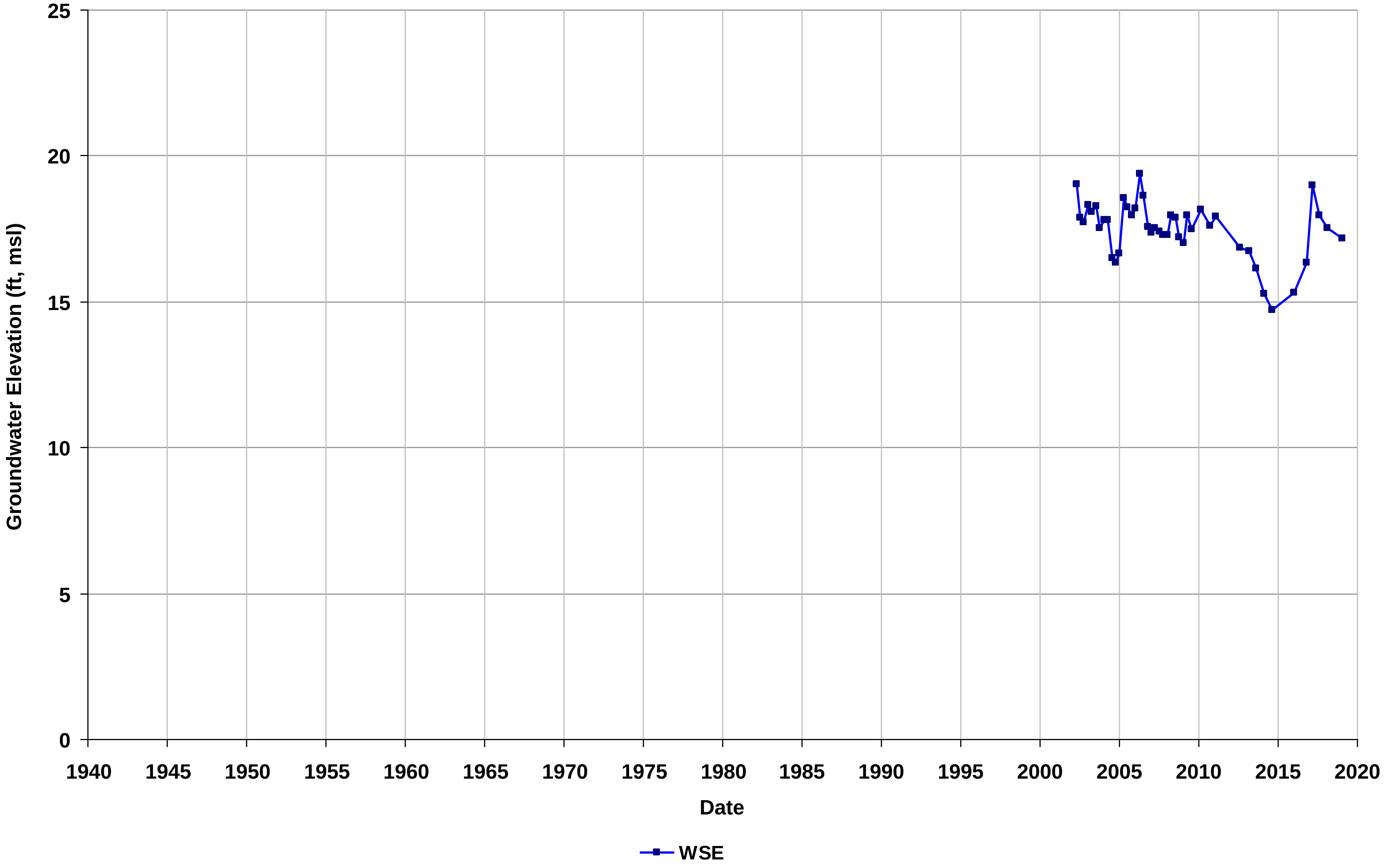
Well Name: T0600100102-MW-11
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



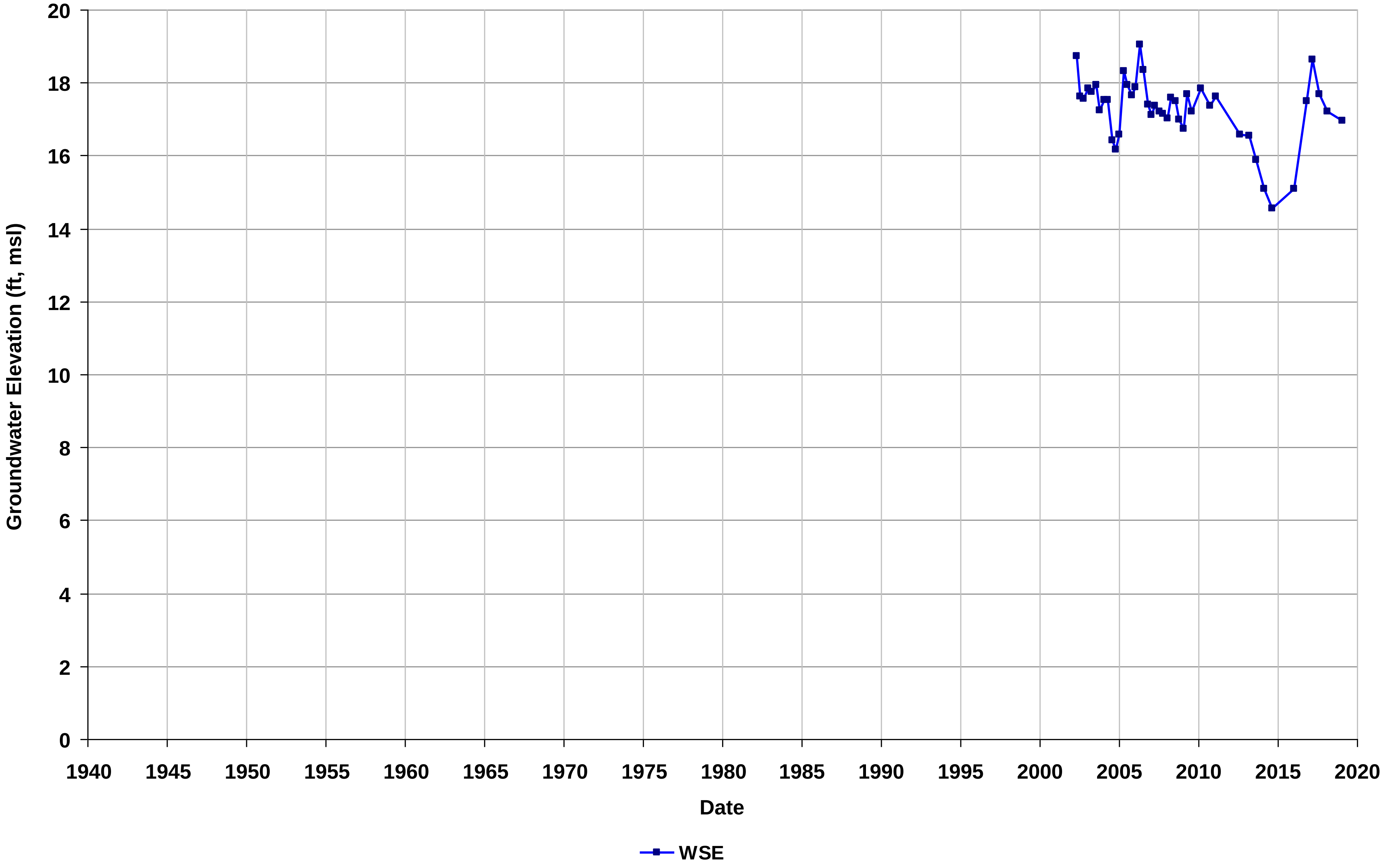
Well Name: T0600100102-MW-12
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



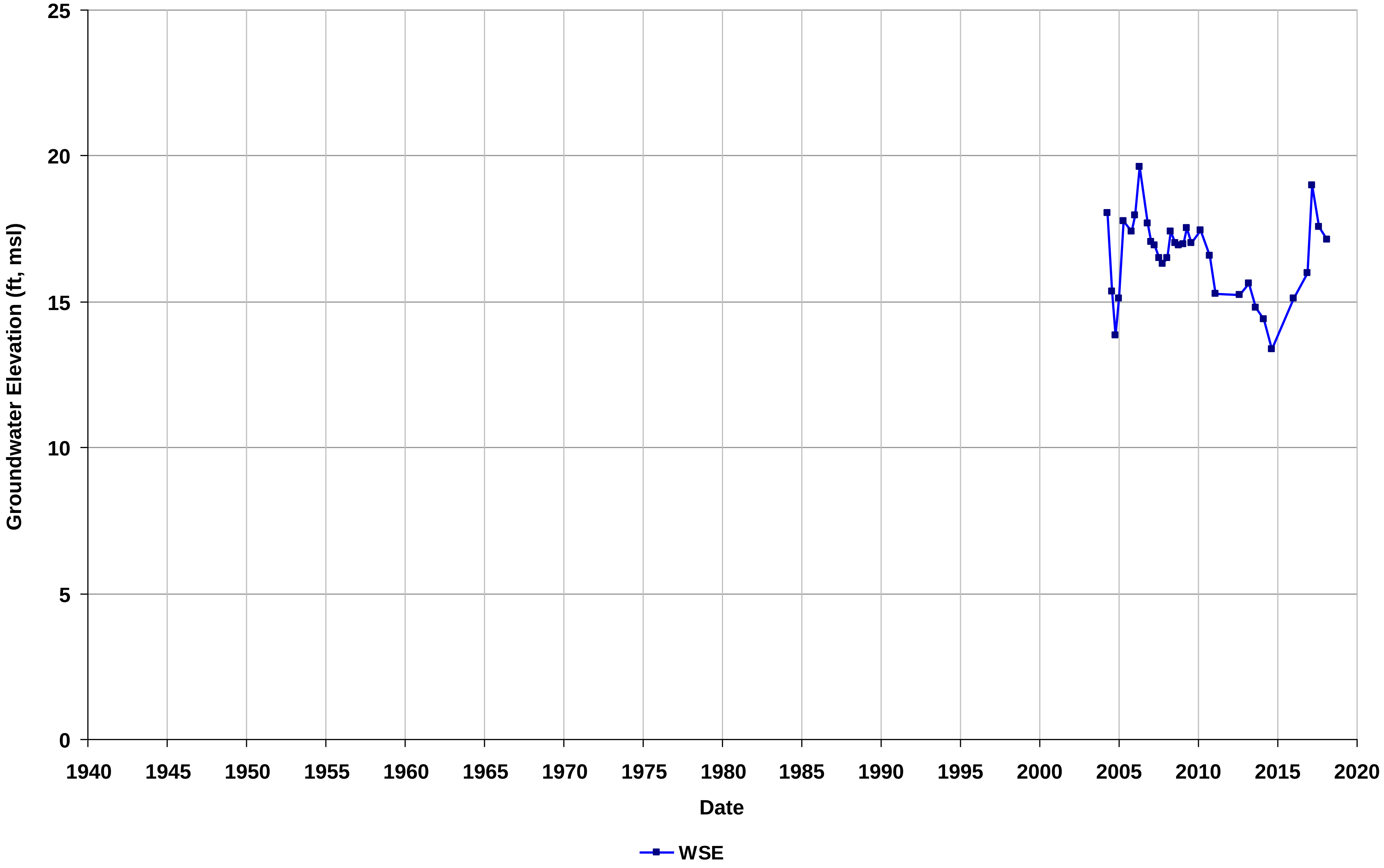
Well Name: T0600100102-MW-13
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



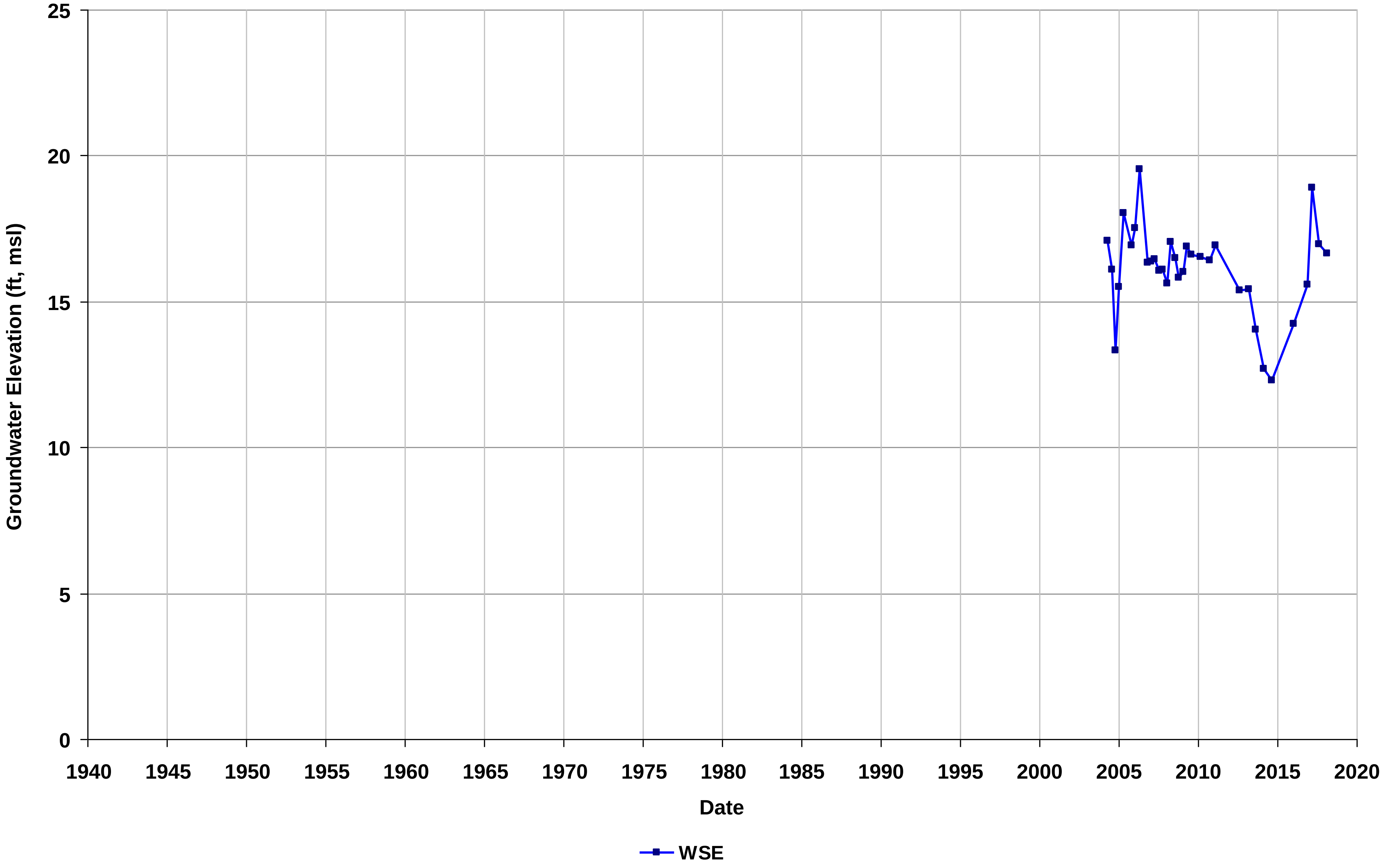
Well Name: T0600100102-MW-14D
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



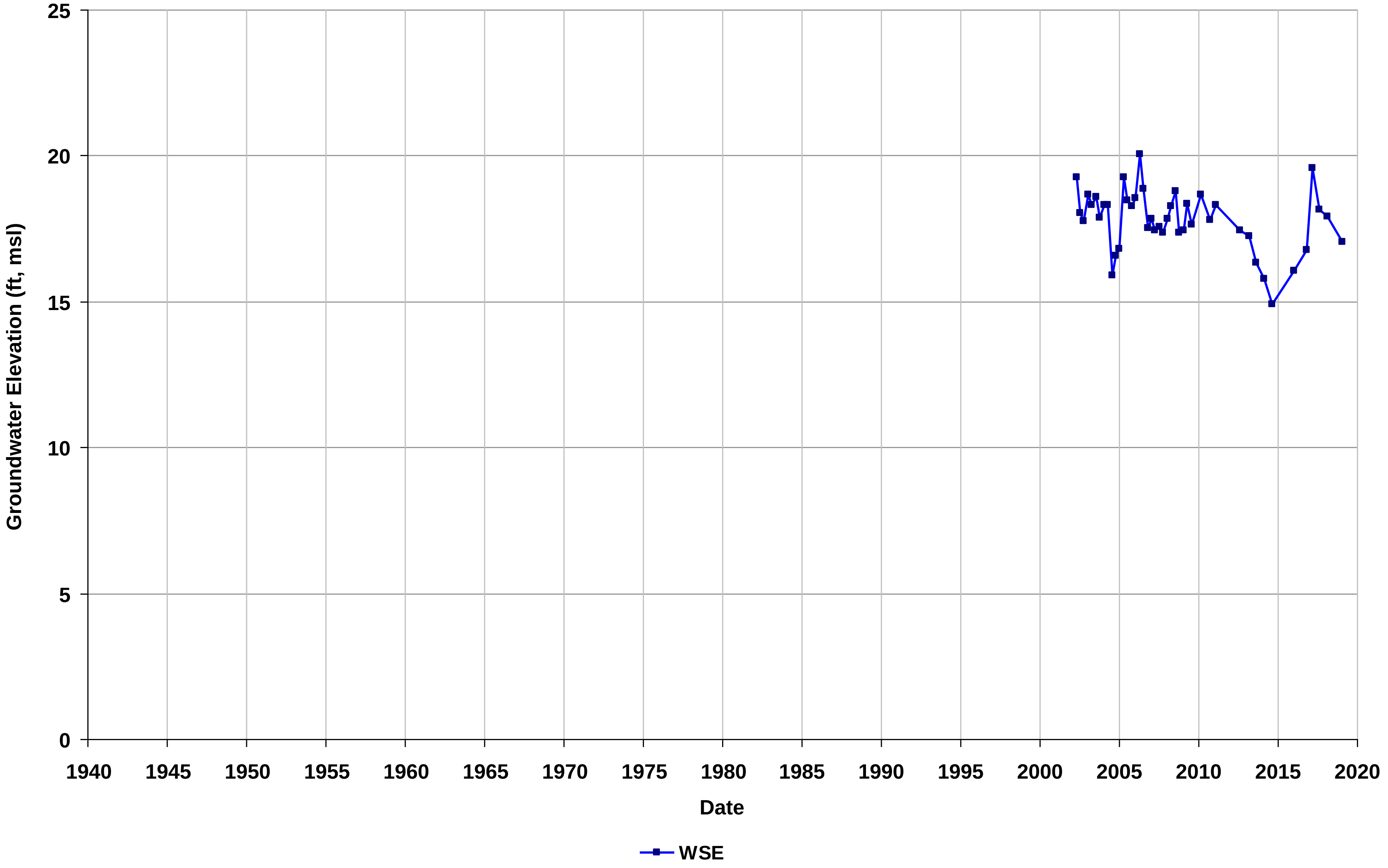
Well Name: T0600100102-MW-15D
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



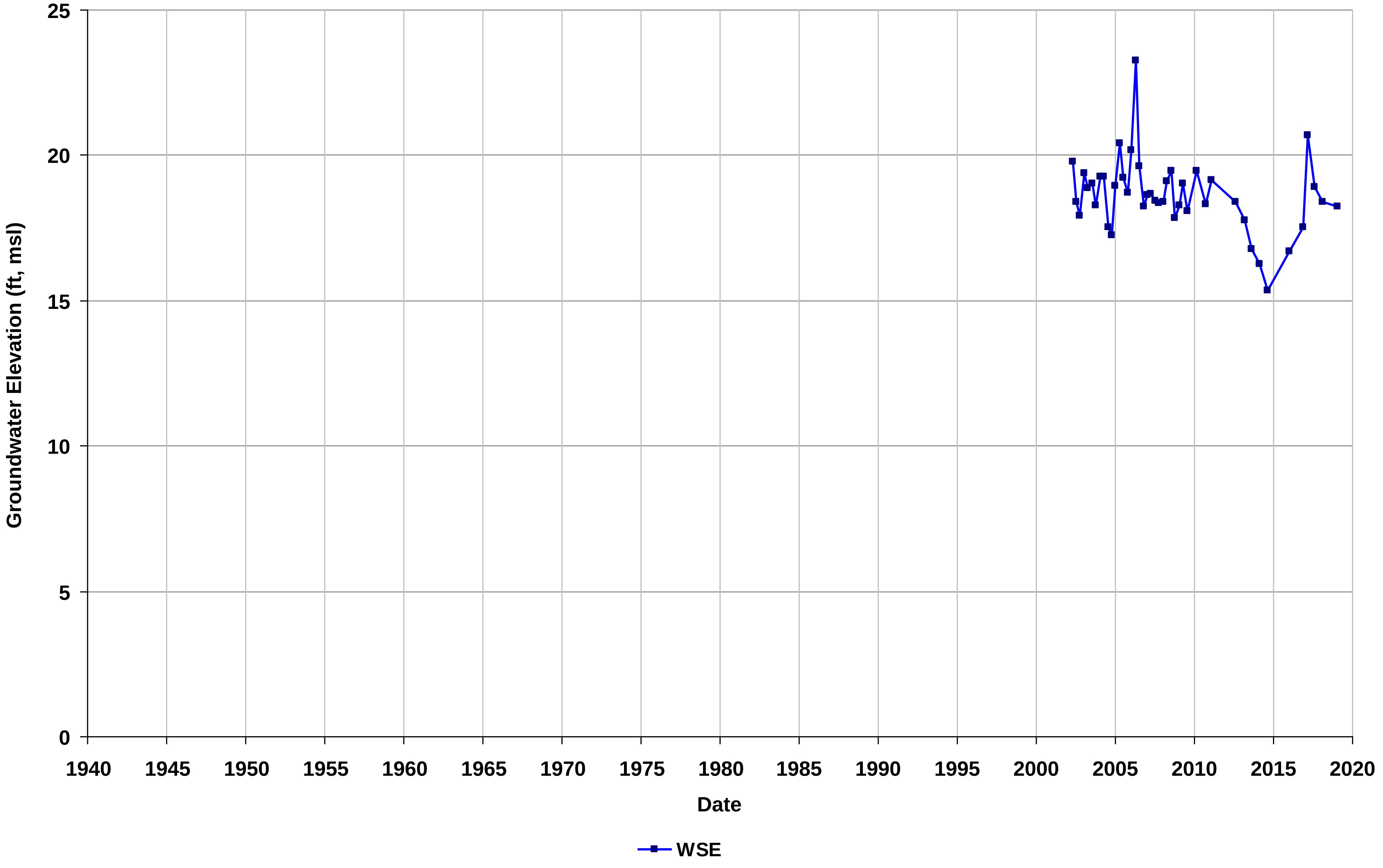
Well Name: T0600100102-MW-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



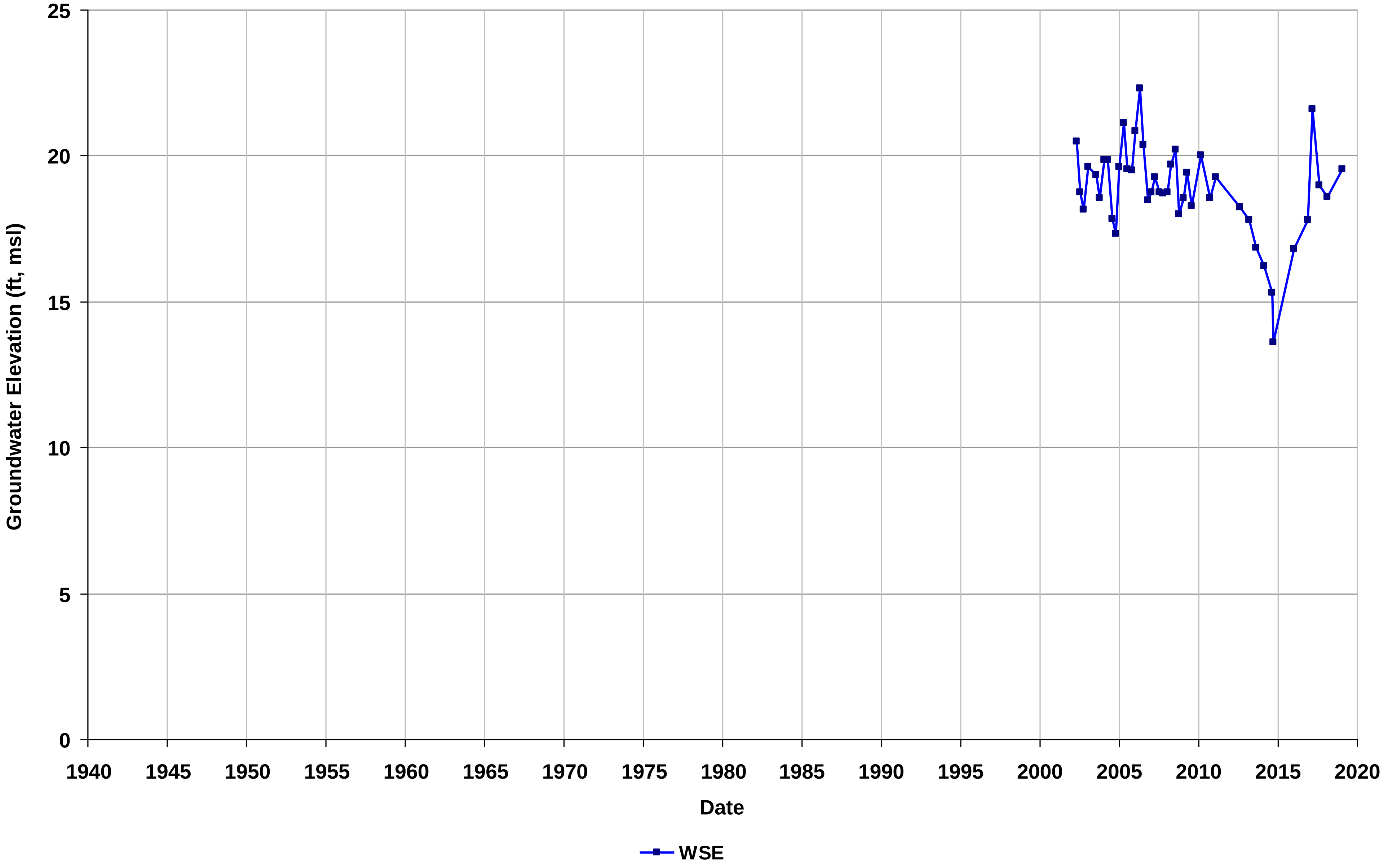
Well Name: T0600100102-MW-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



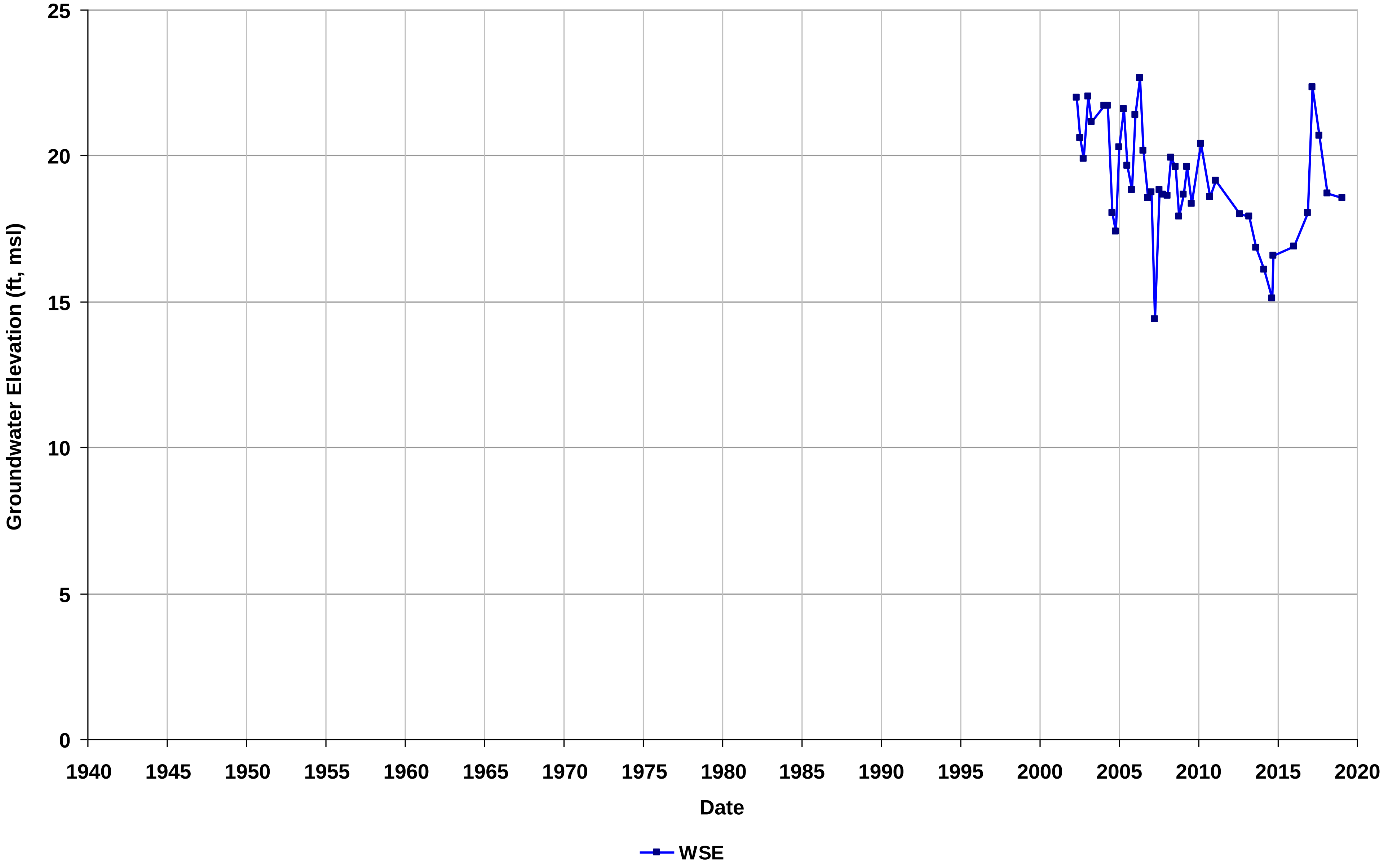
Well Name: T0600100102-MW-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



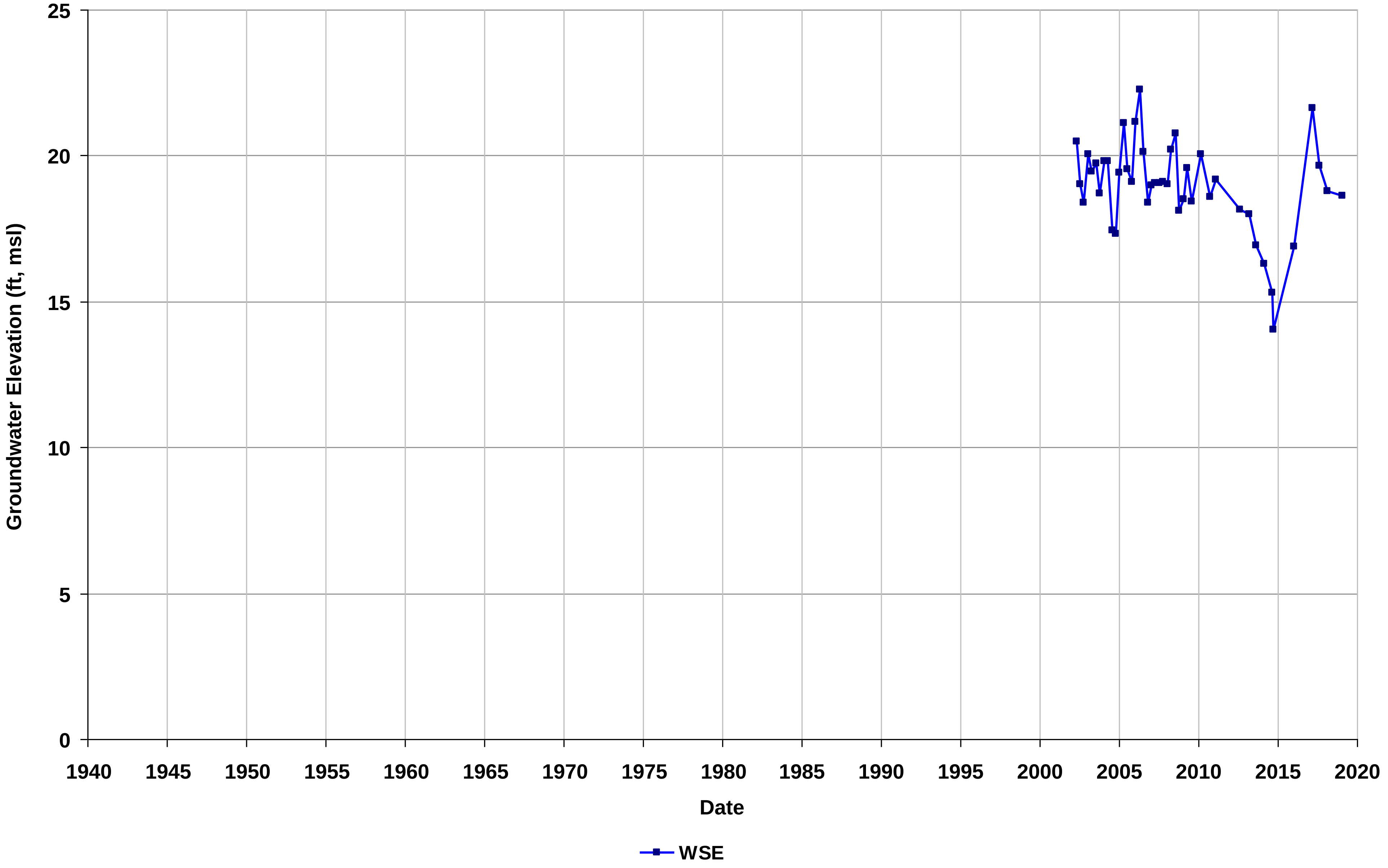
Well Name: T0600100102-MW-5
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



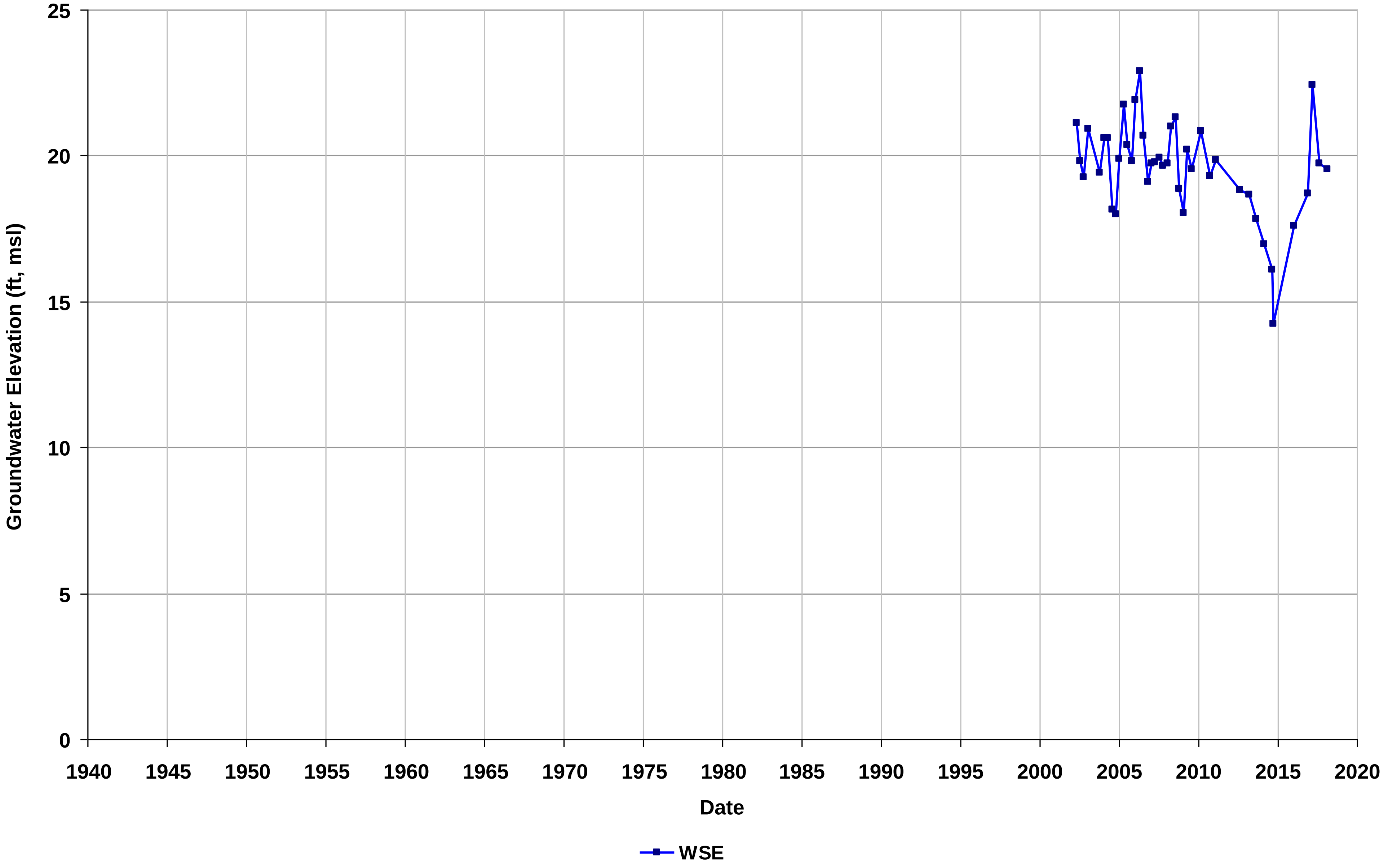
Well Name: T0600100102-MW-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



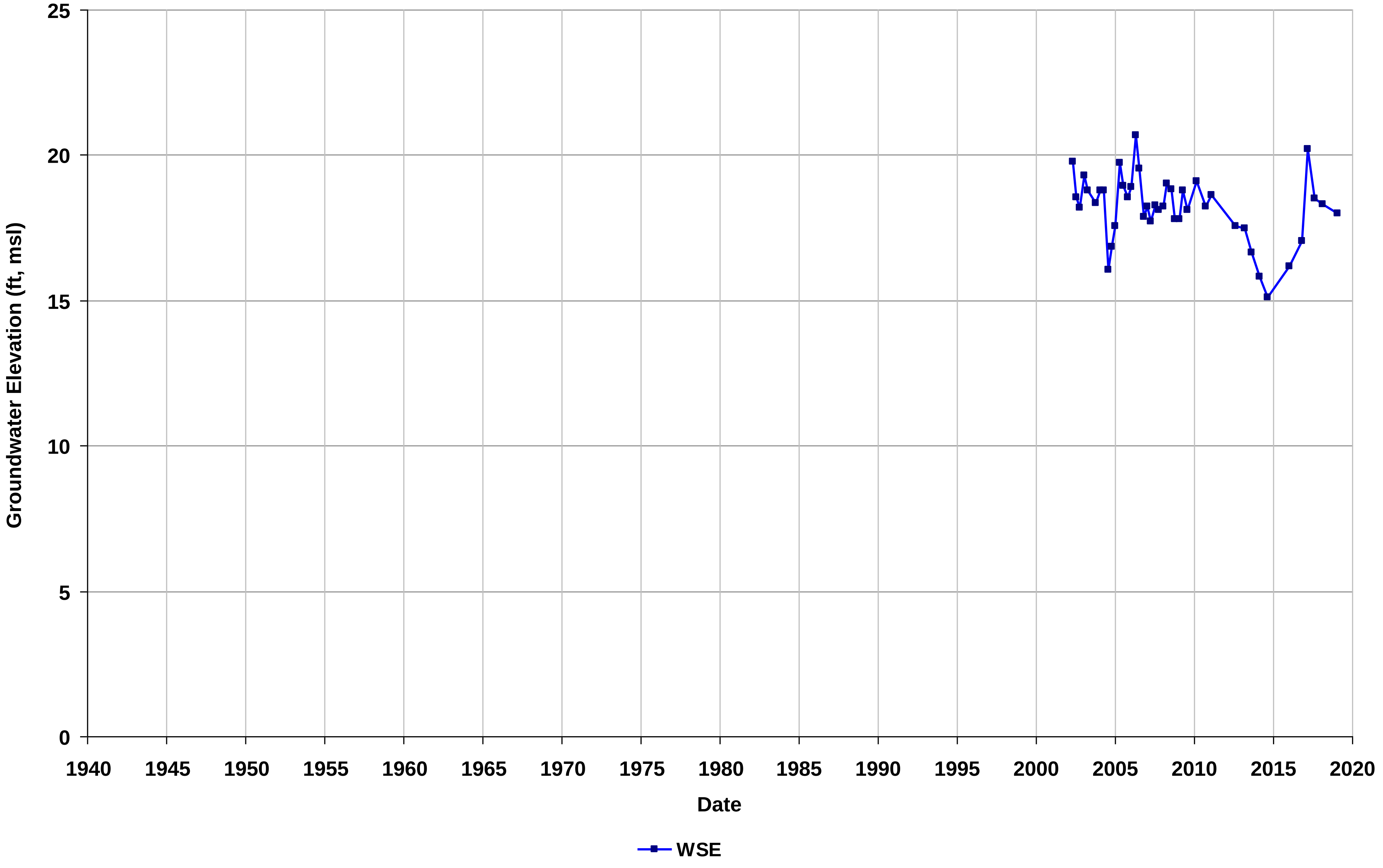
Well Name: T0600100102-MW-7
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



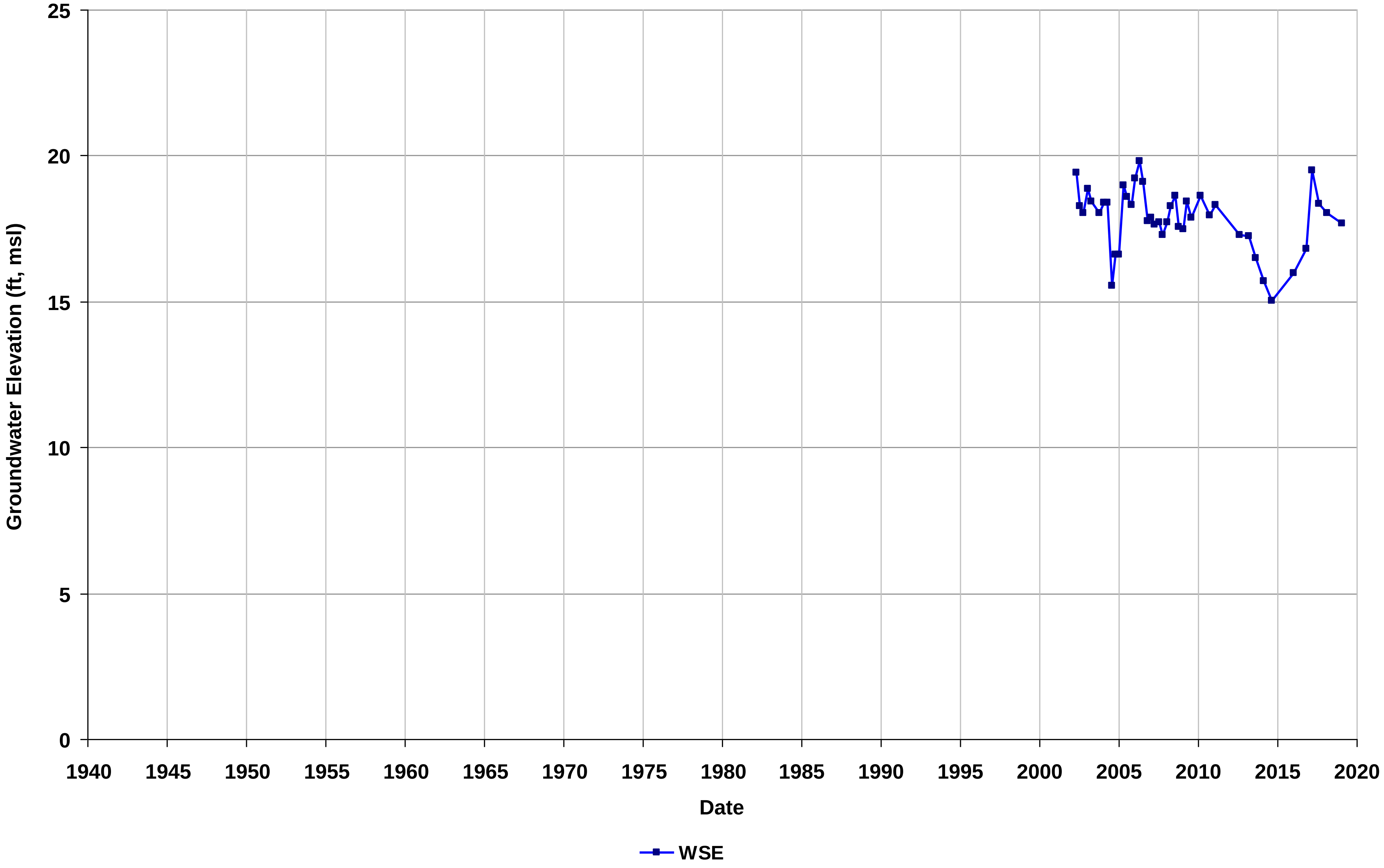
Well Name: T0600100102-MW-8
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



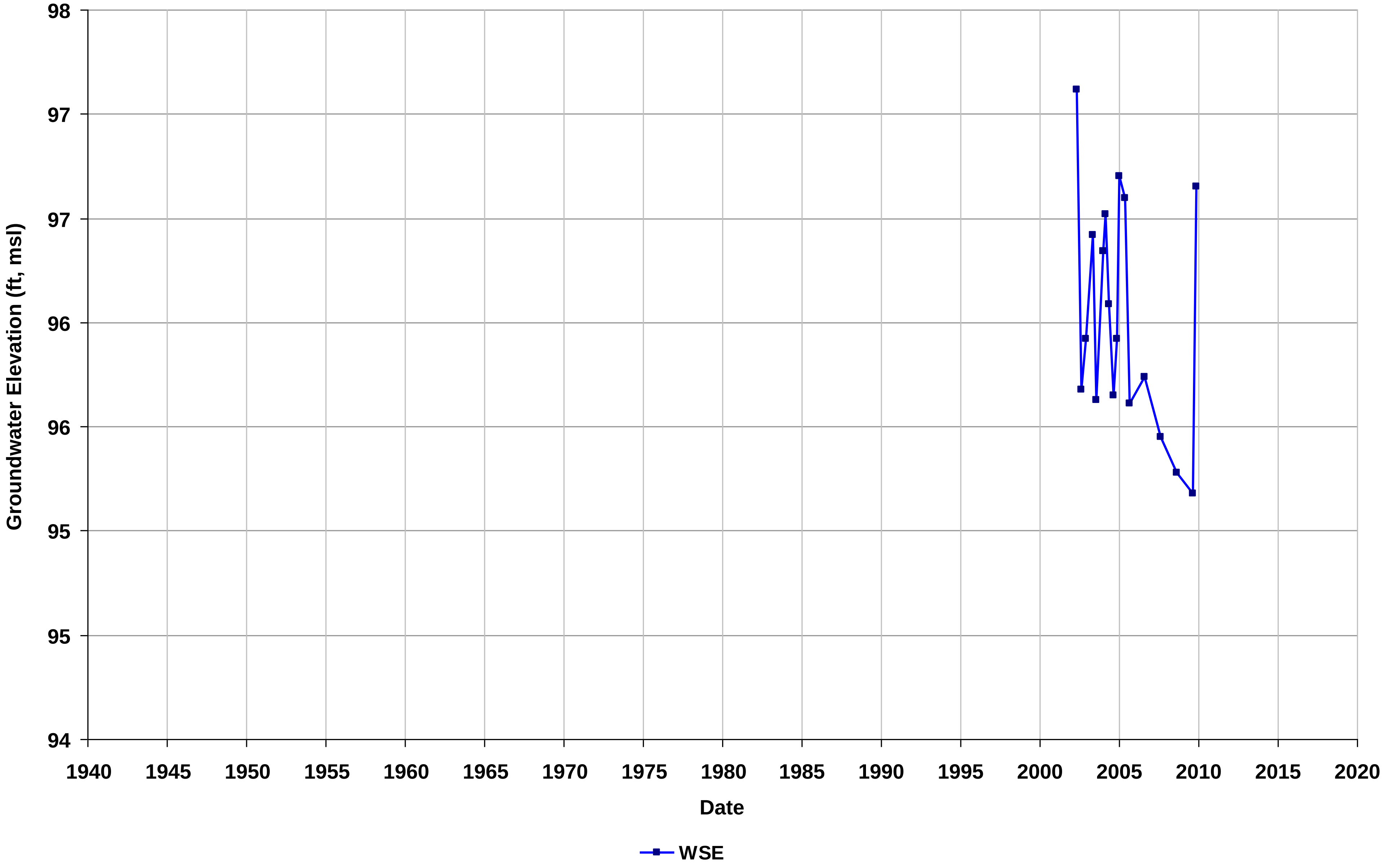
Well Name: T0600100102-MW-9
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



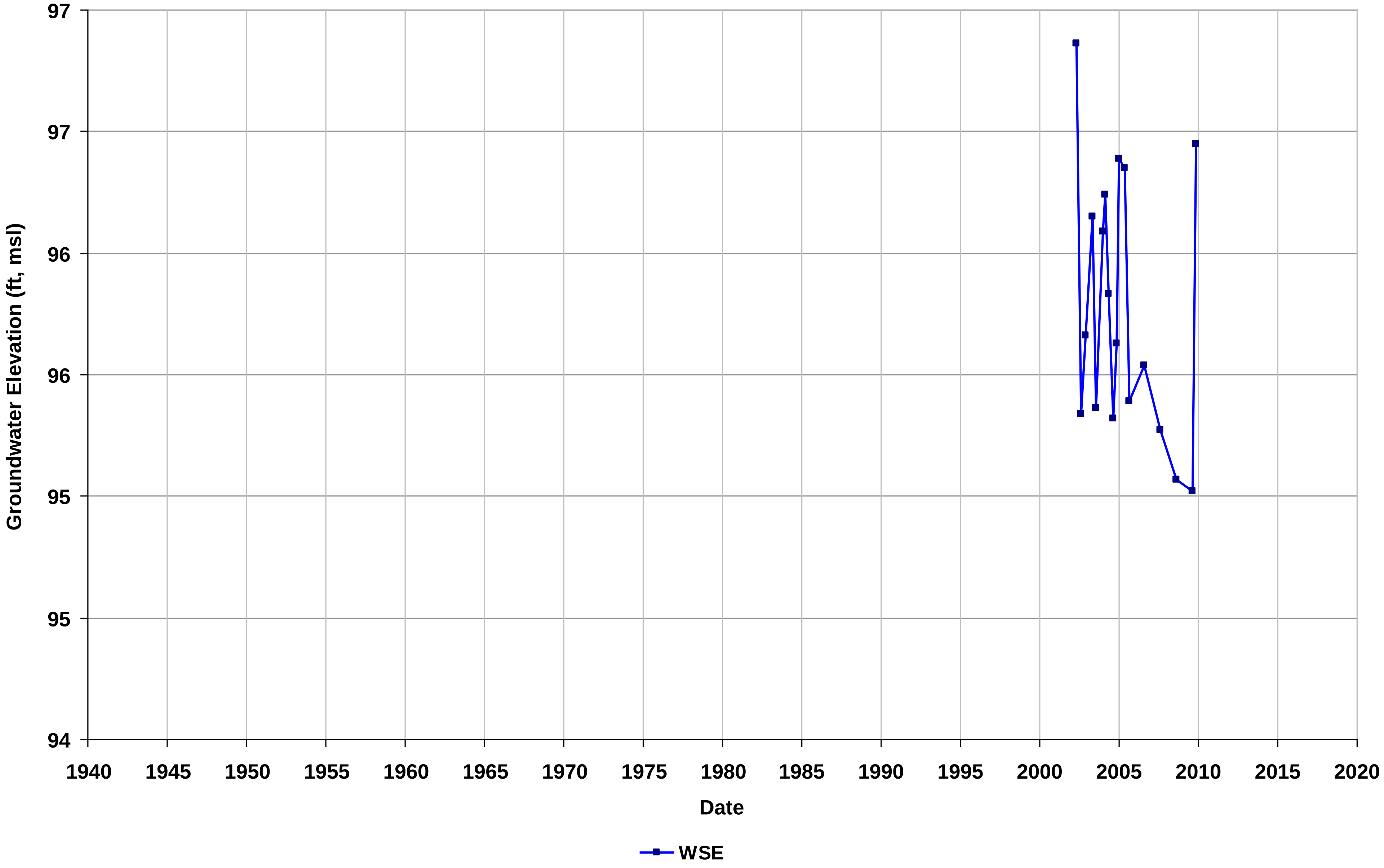
Well Name: T0600100103-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/14
Well Use: Observation



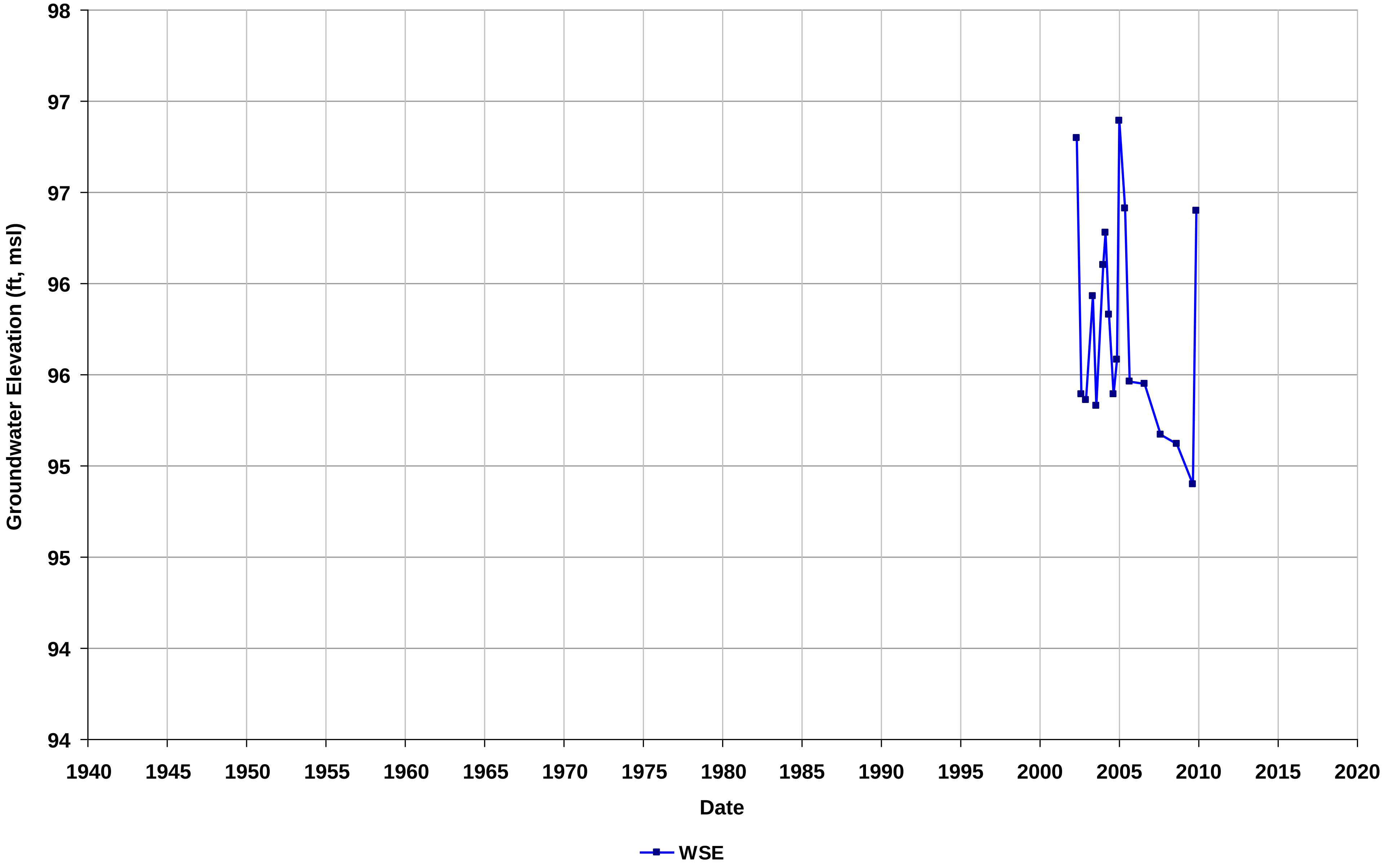
Well Name: T0600100103-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/14
Well Use: Observation



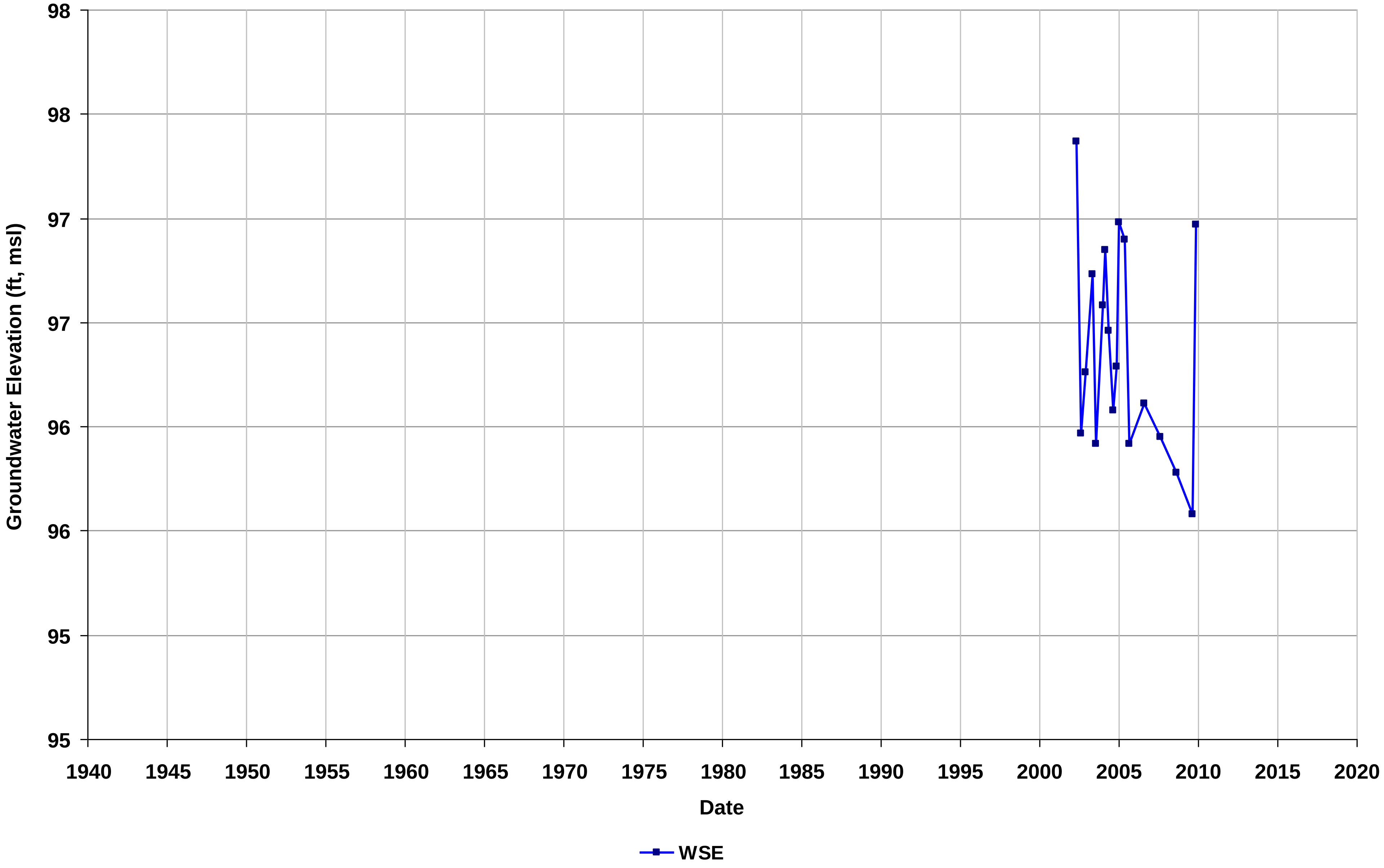
Well Name: T0600100103-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/14
Well Use: Observation



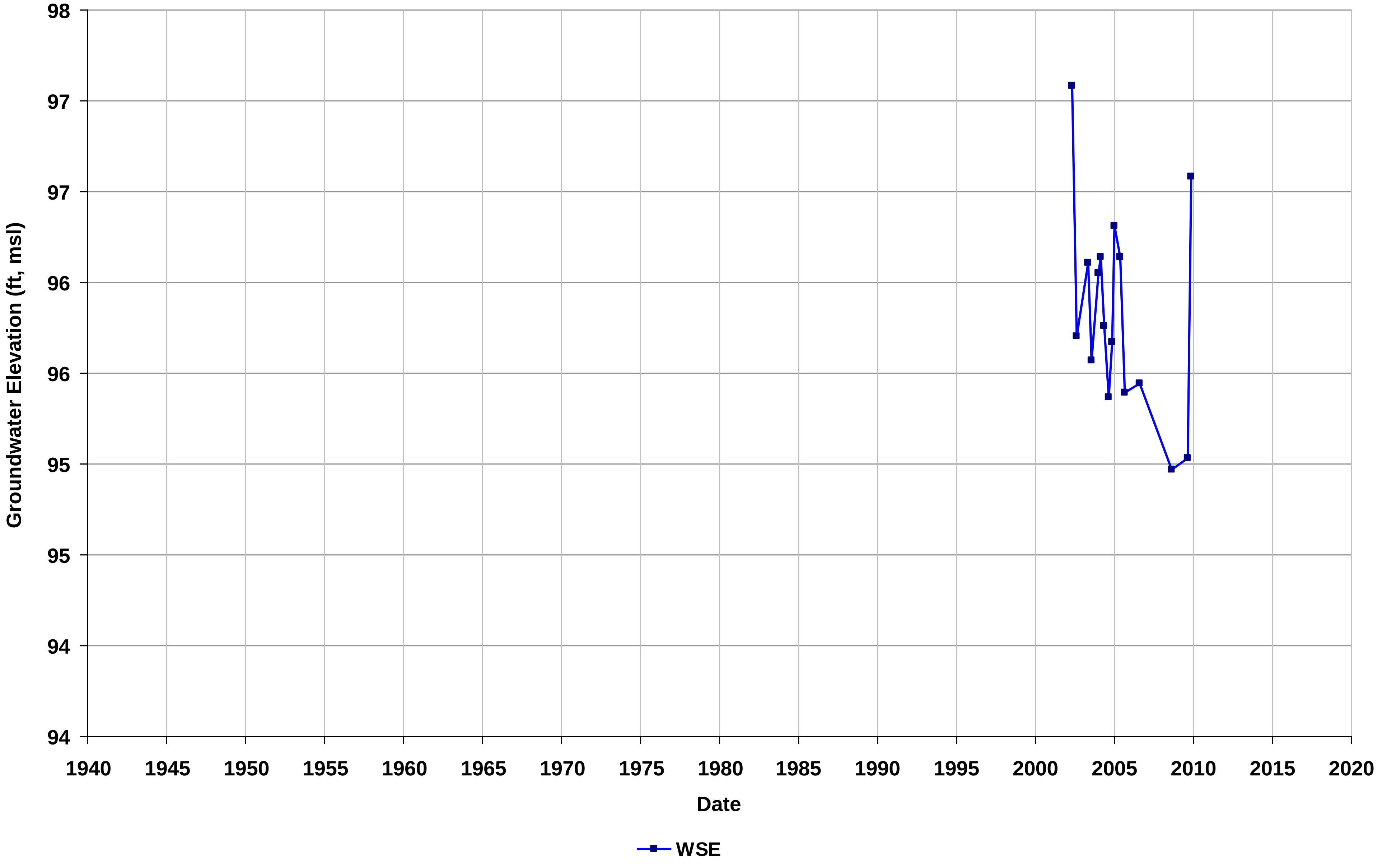
Well Name: T0600100103-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/14
Well Use: Observation



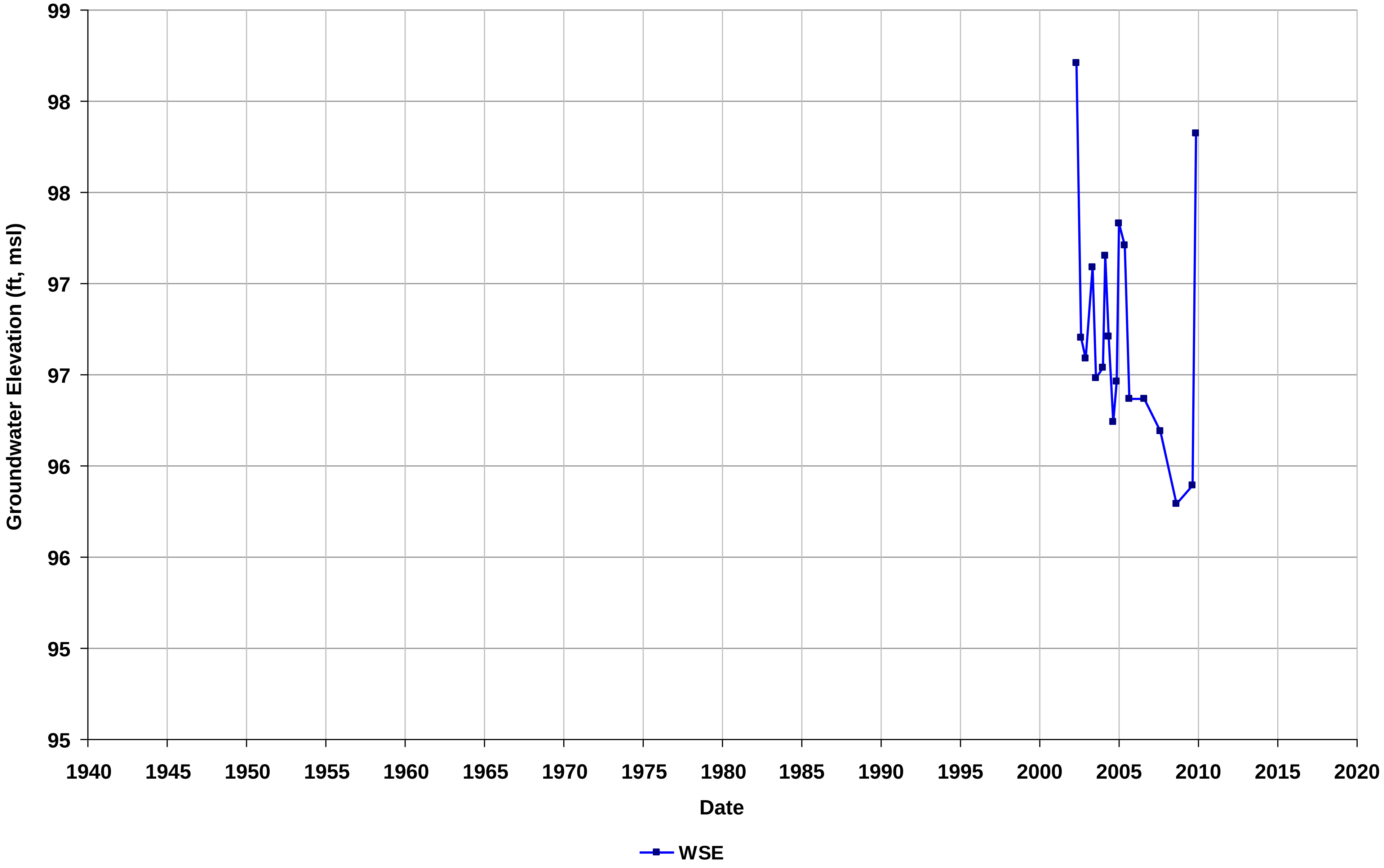
Well Name: T0600100103-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/14
Well Use: Observation



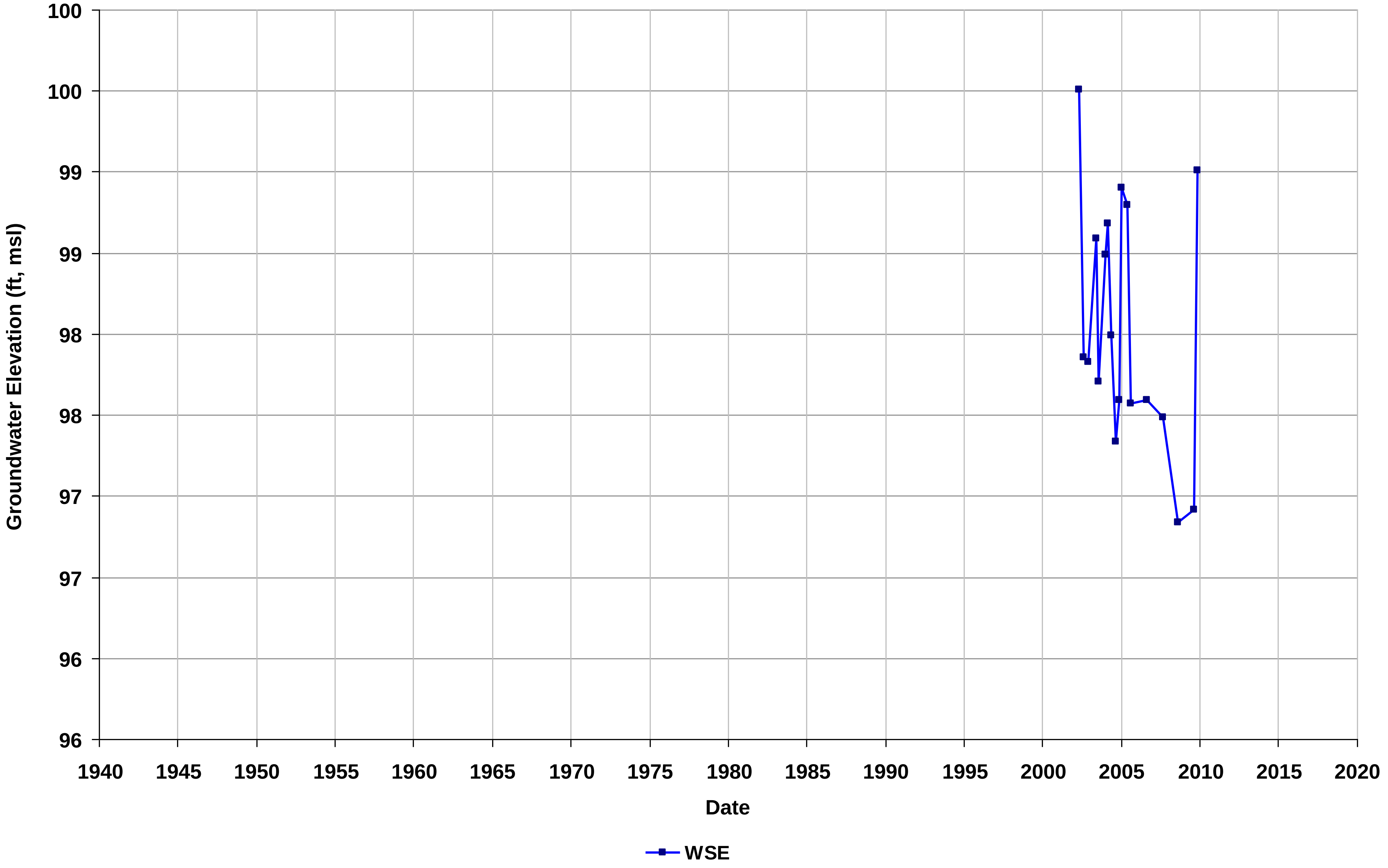
Well Name: T0600100103-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/14
Well Use: Observation



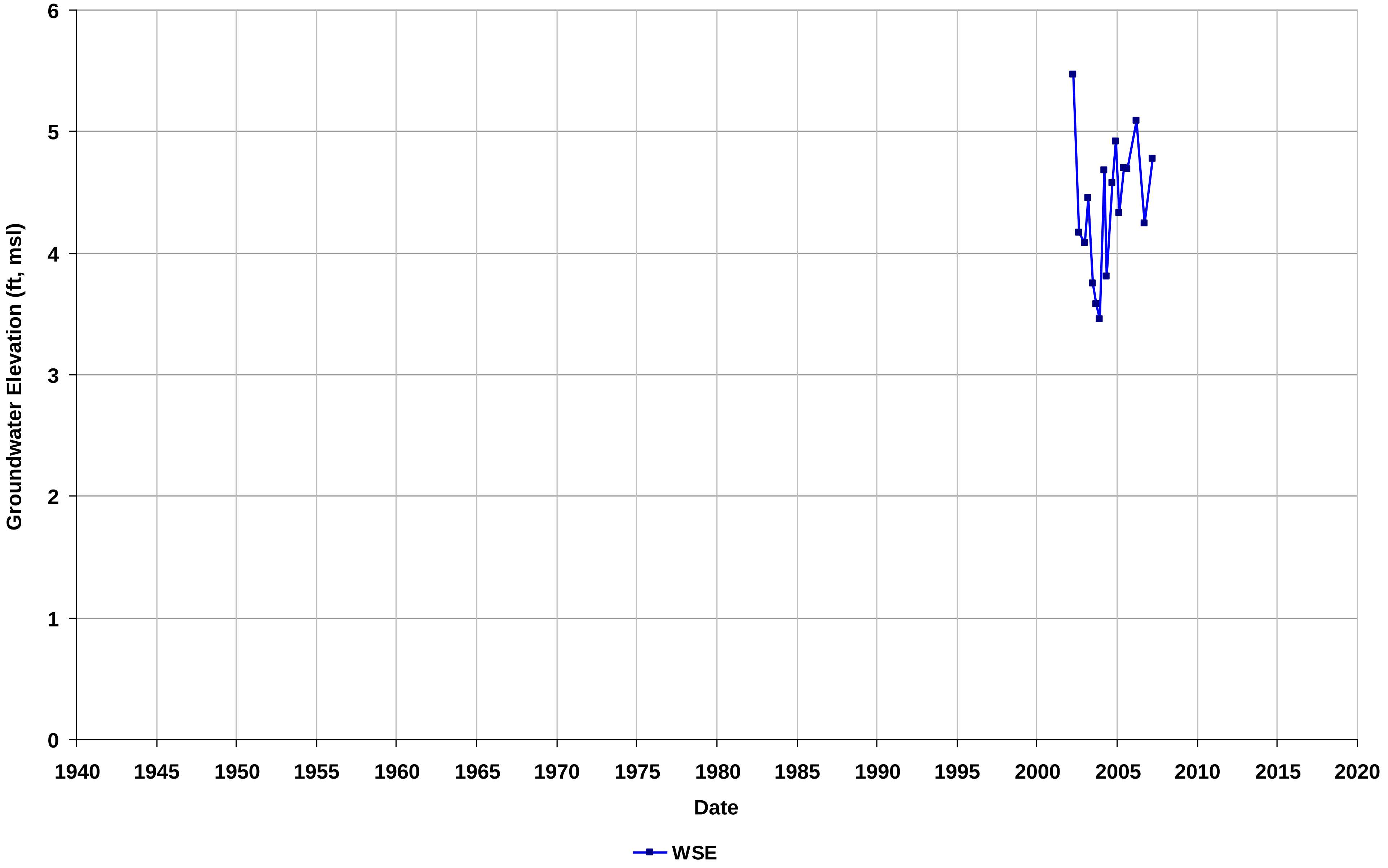
Well Name: T0600100103-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/14
Well Use: Observation



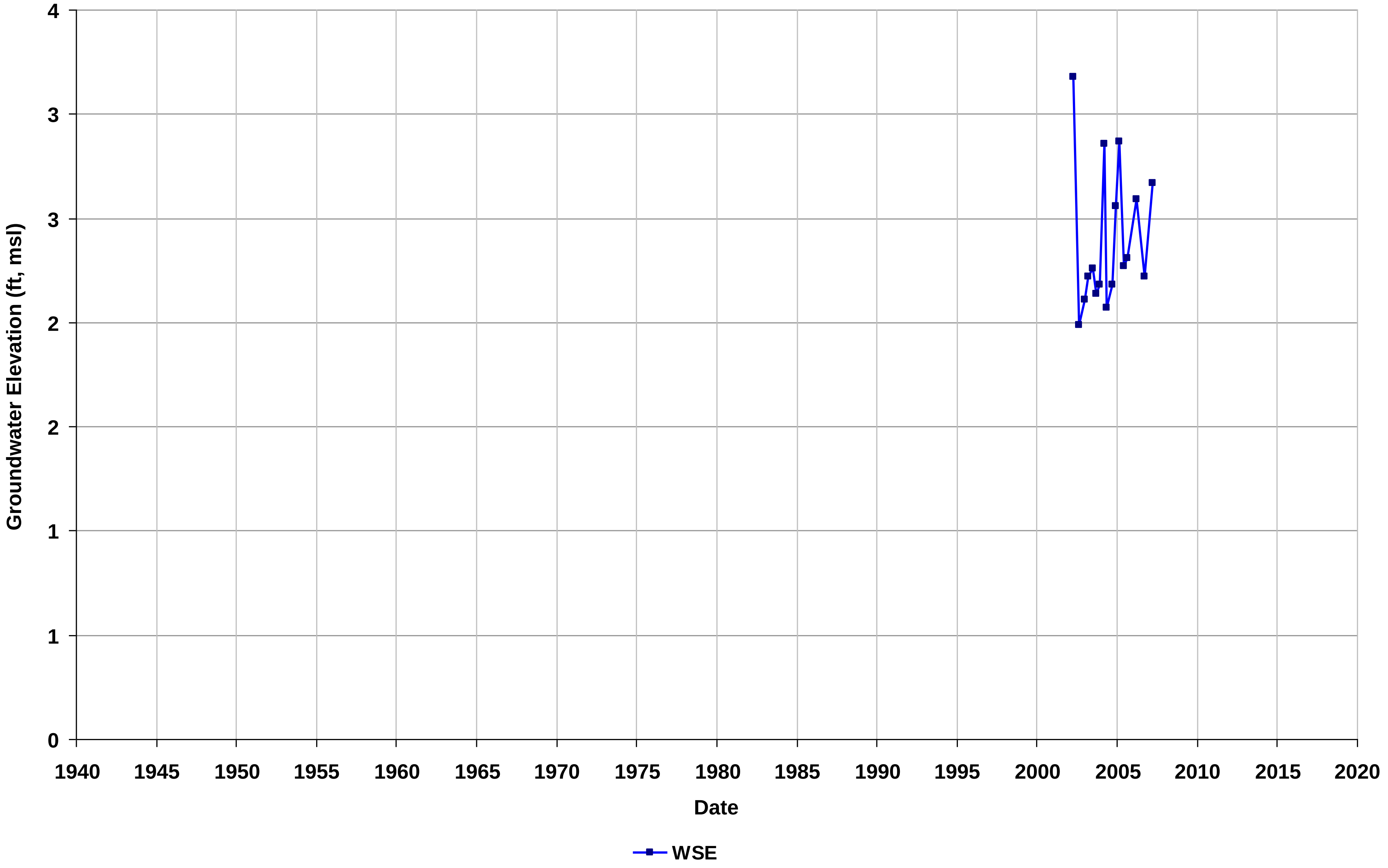
Well Name: T0600100104-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/21
Well Use: Observation



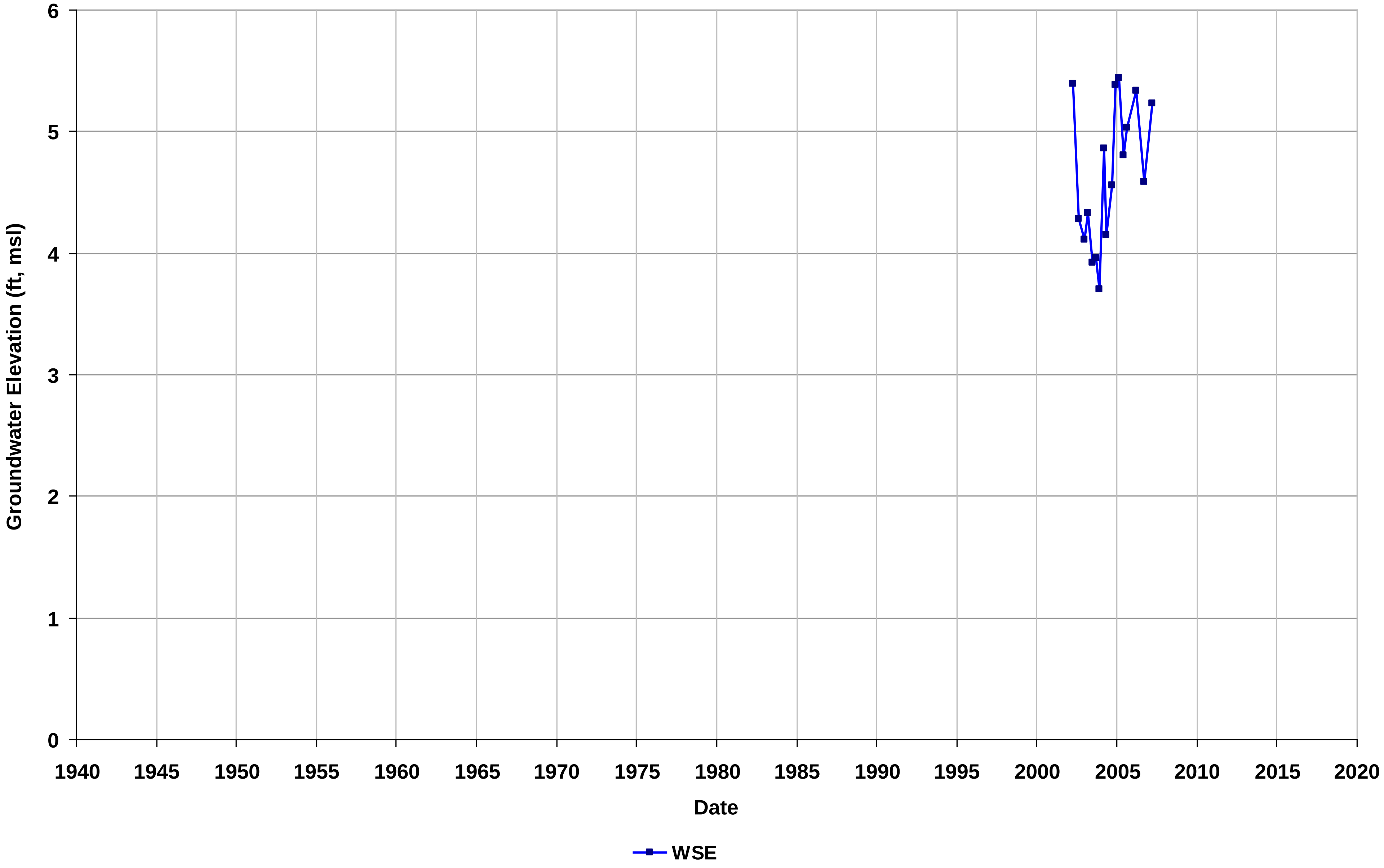
Well Name: T0600100104-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/21
Well Use: Observation



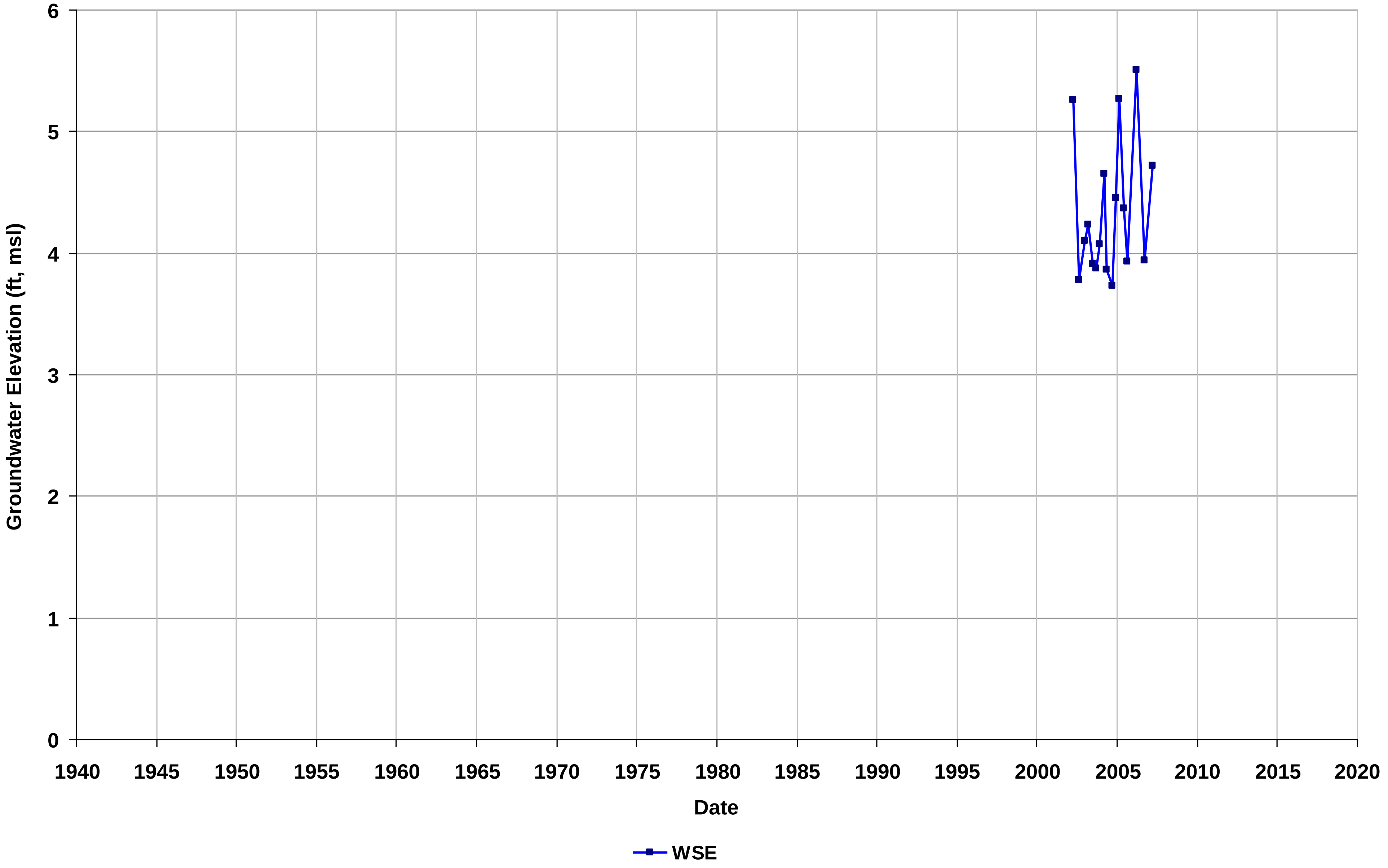
Well Name: T0600100104-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/21
Well Use: Observation



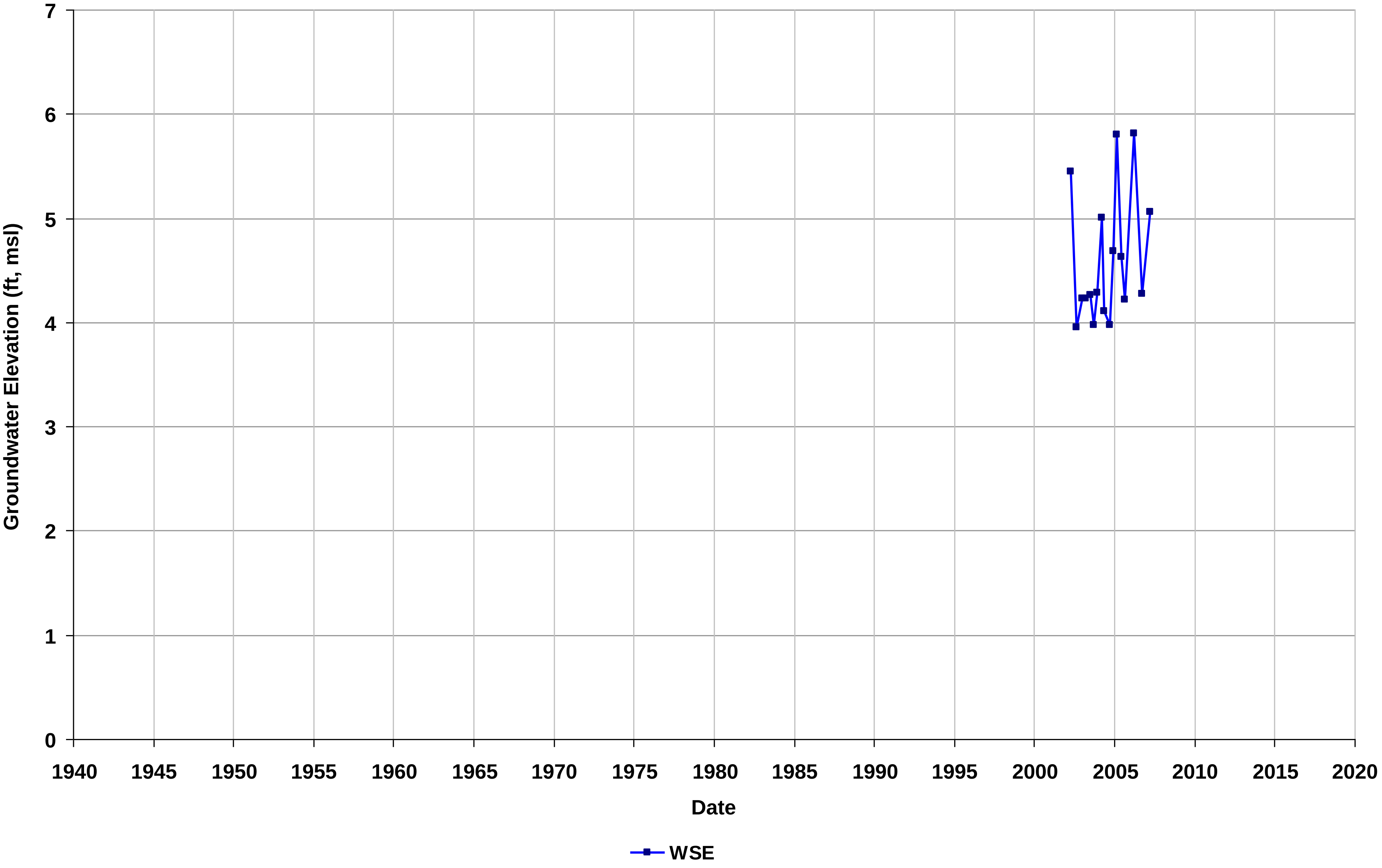
Well Name: T0600100104-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/21
Well Use: Observation



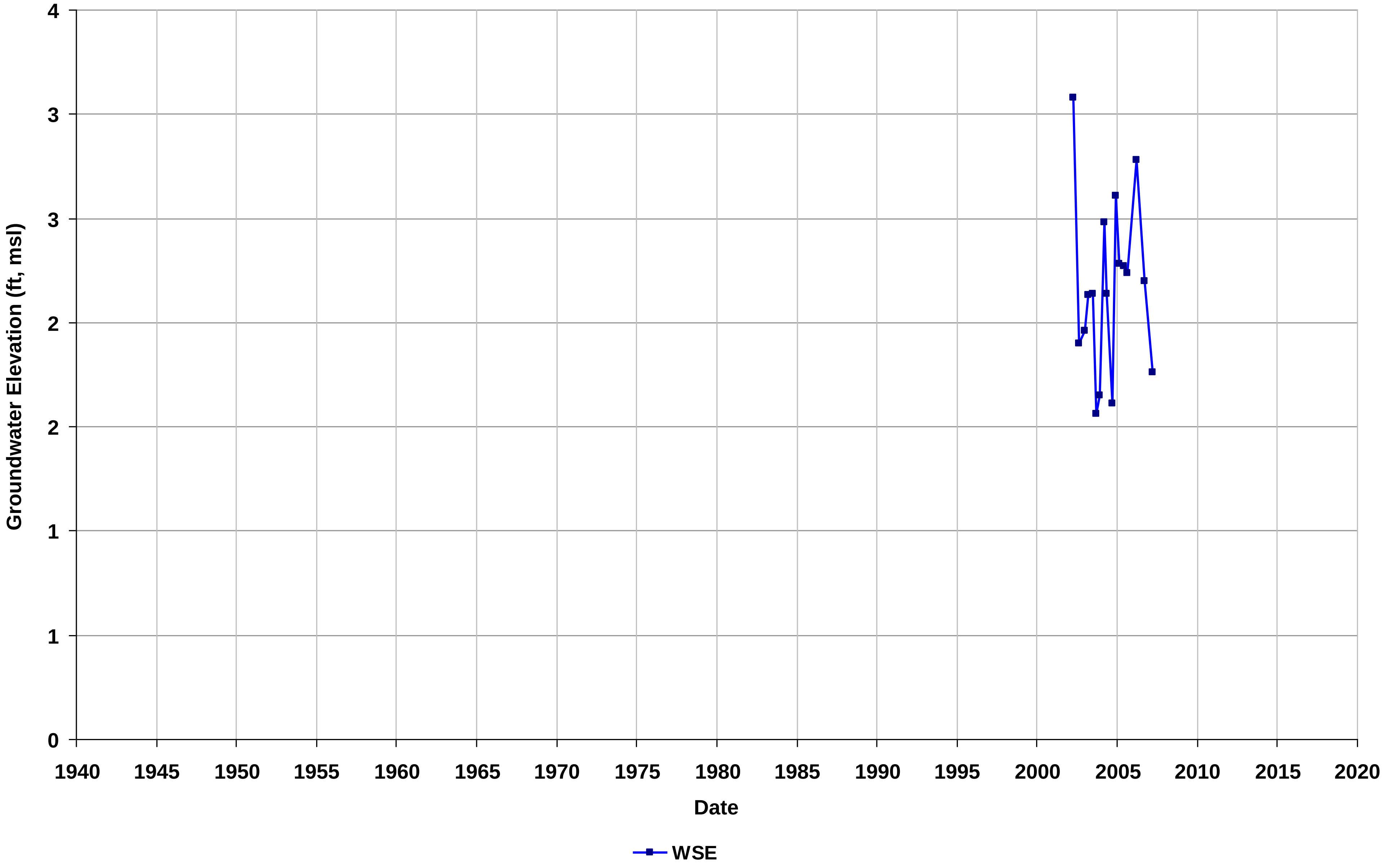
Well Name: T0600100104-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/21
Well Use: Observation



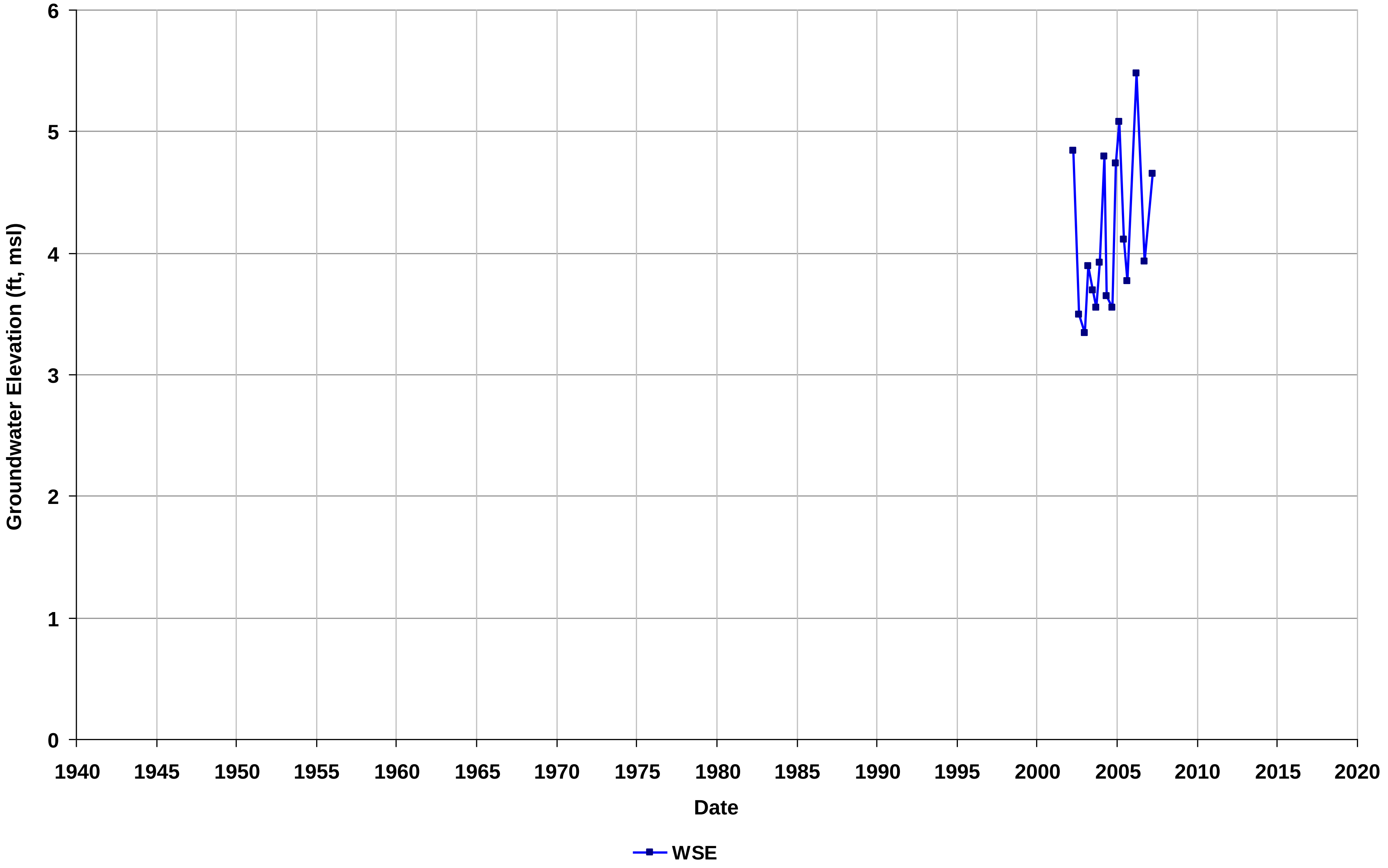
Well Name: T0600100104-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/21
Well Use: Observation



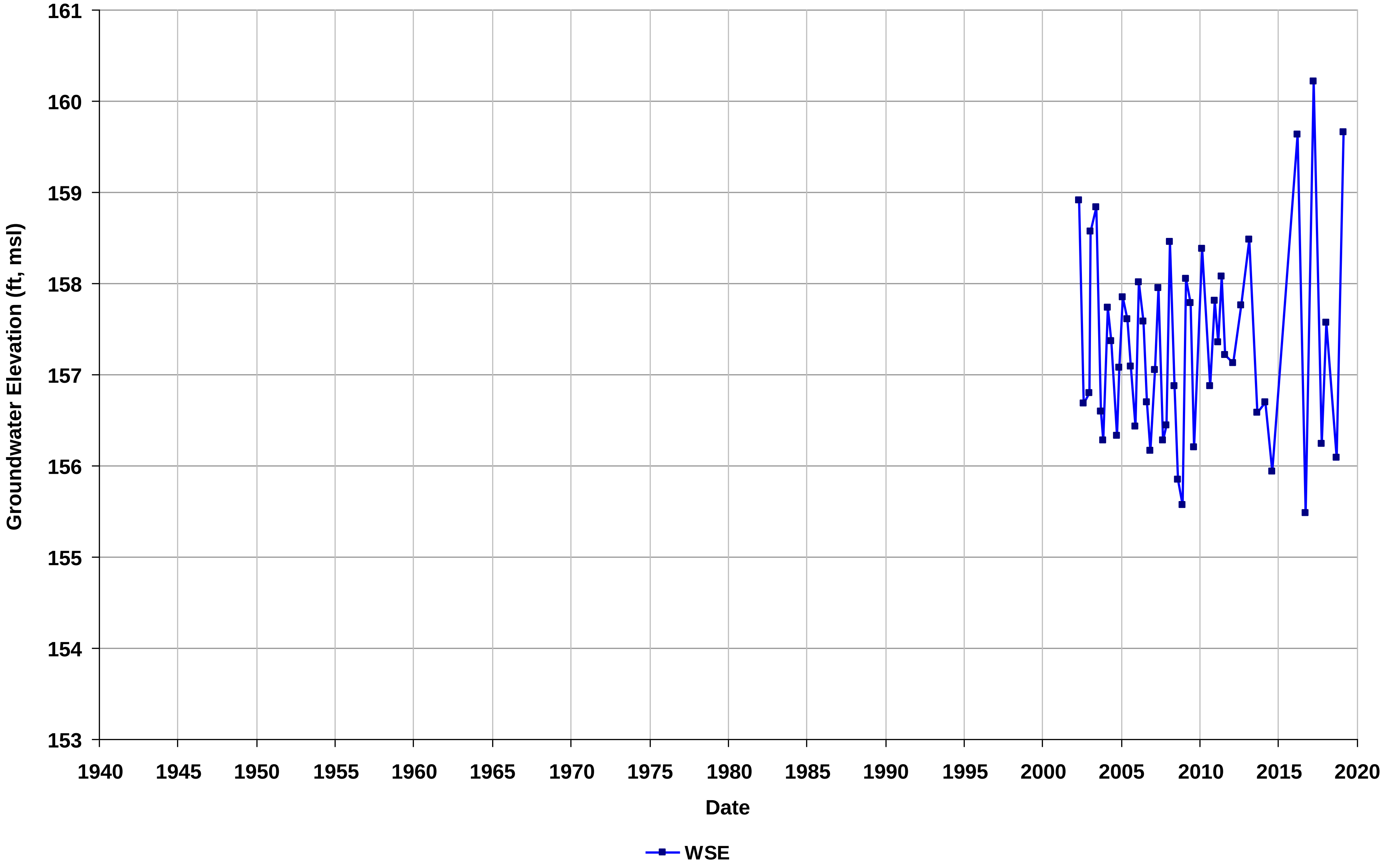
Well Name: T0600100104-RW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/21
Well Use: Observation



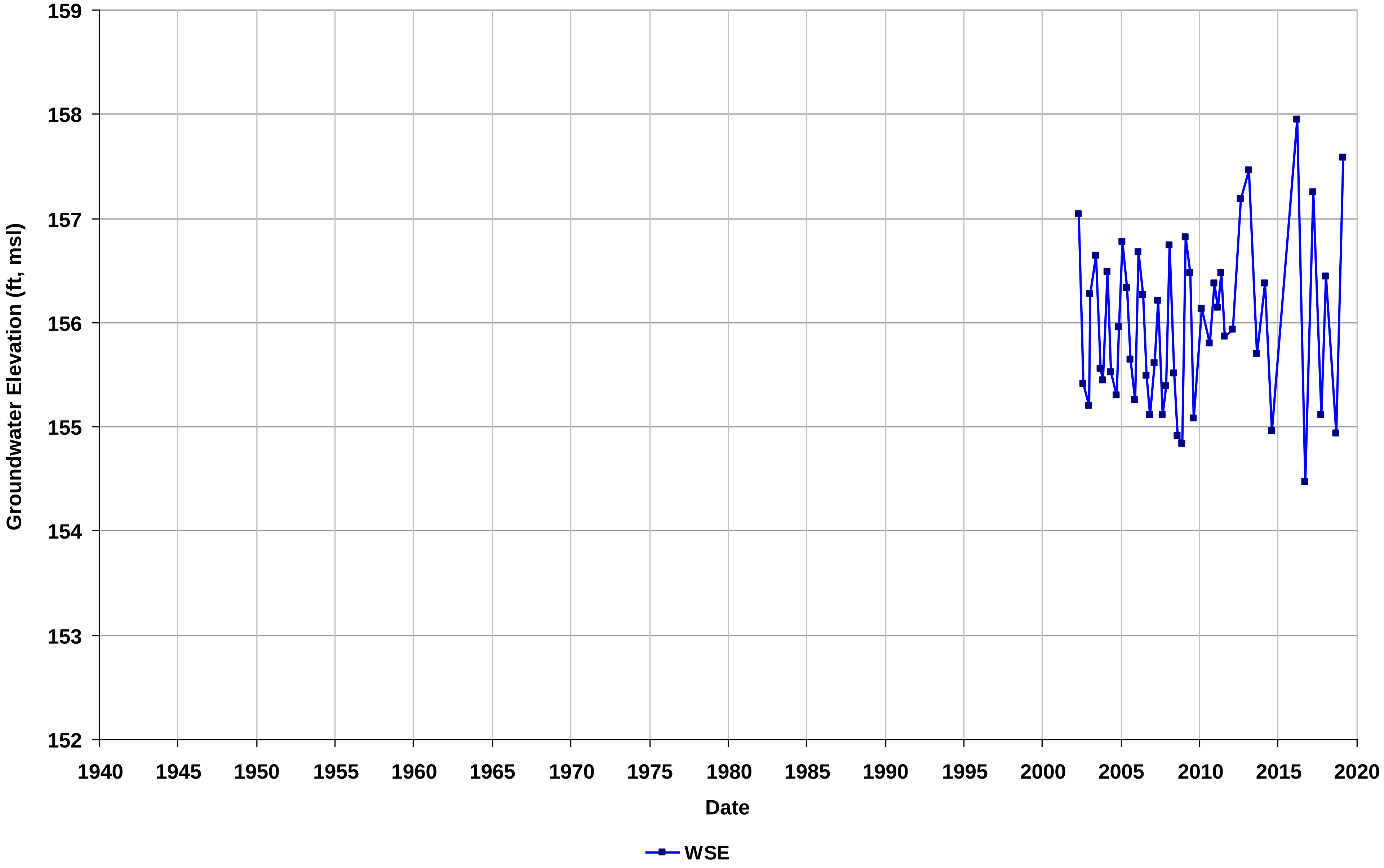
Well Name: T0600100106-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/12
Well Use: Observation



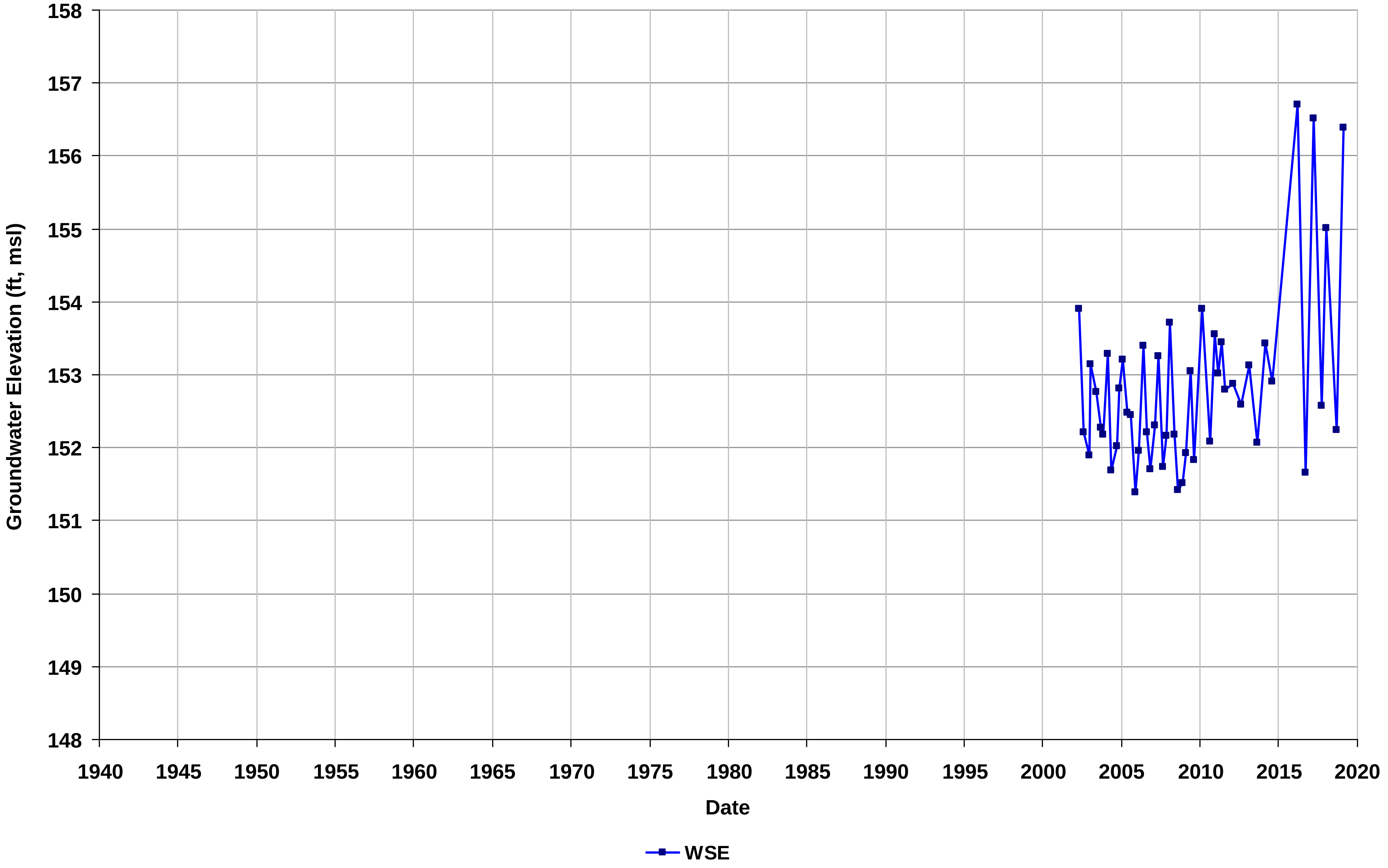
Well Name: T0600100106-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/12
Well Use: Observation



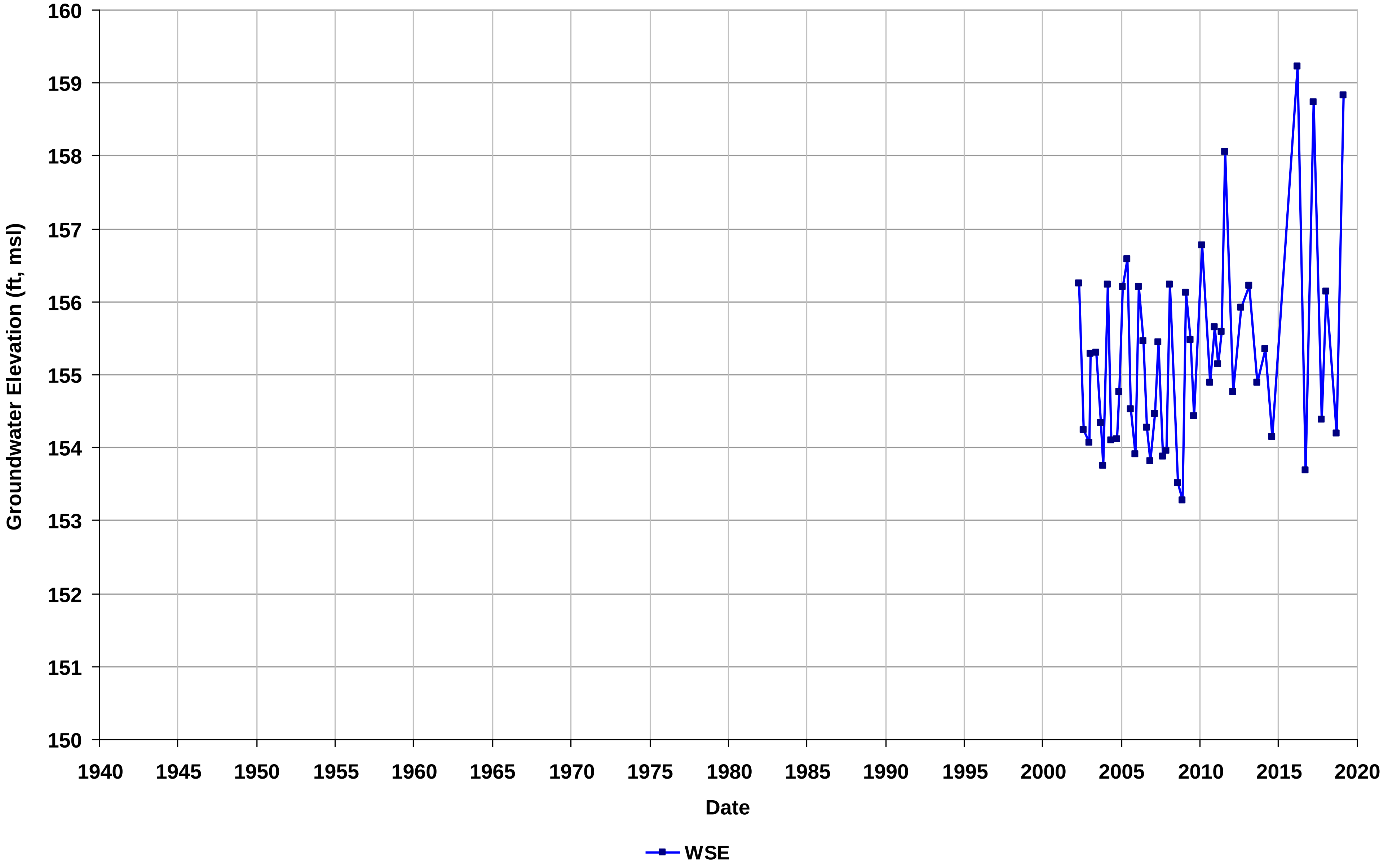
Well Name: T0600100106-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/14
Well Use: Observation



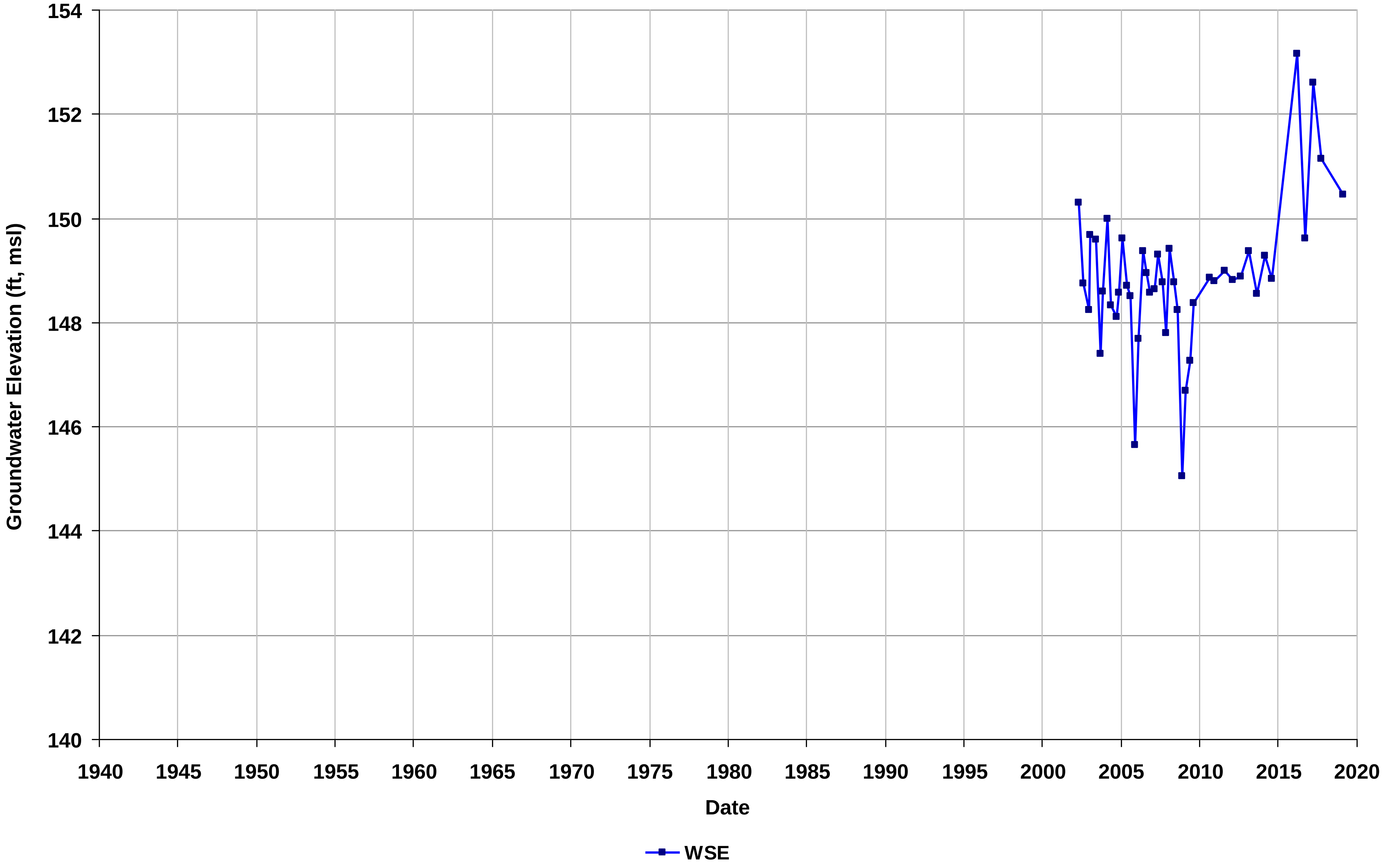
Well Name: T0600100106-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/12
Well Use: Observation



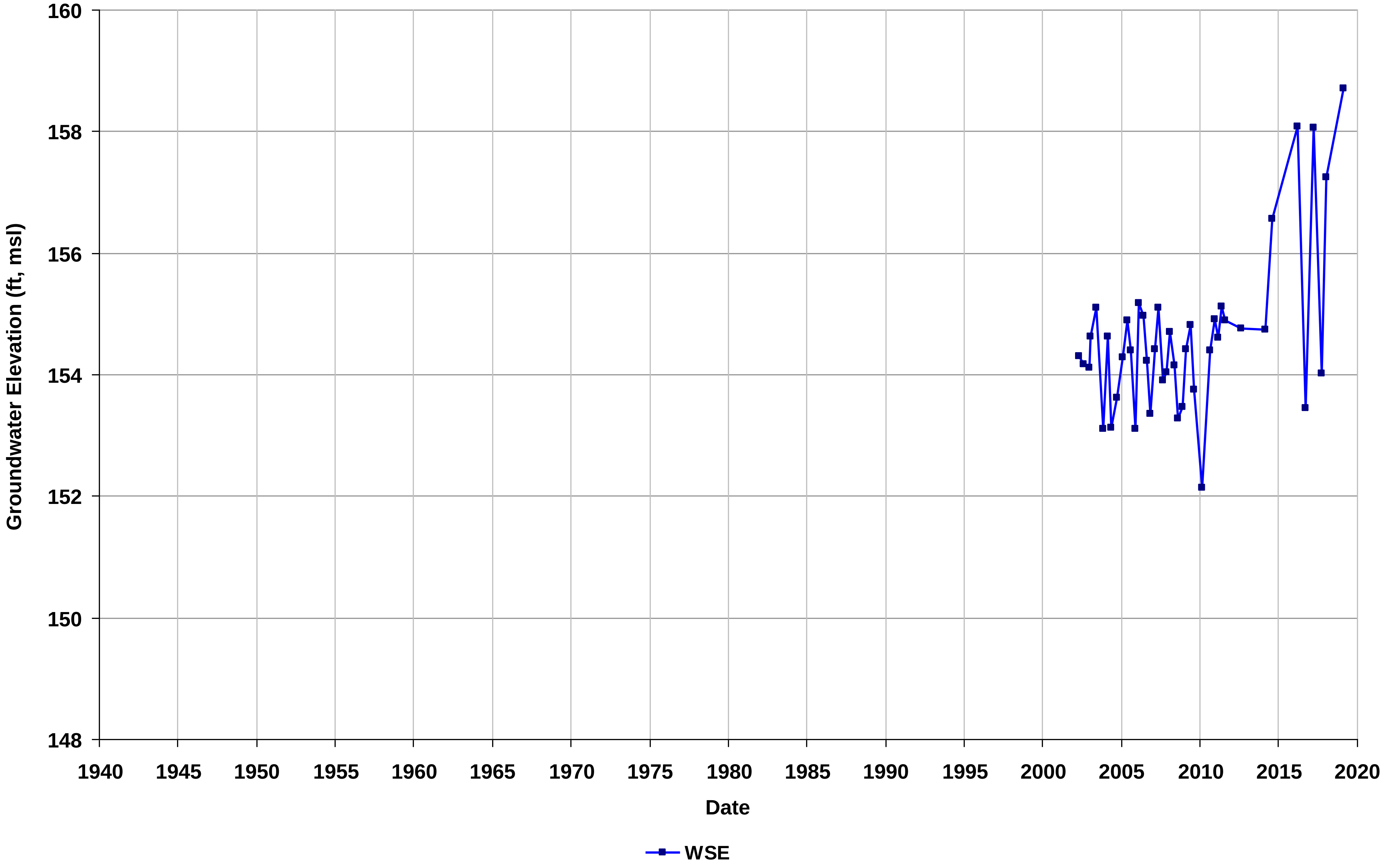
Well Name: T0600100106-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/14
Well Use: Observation



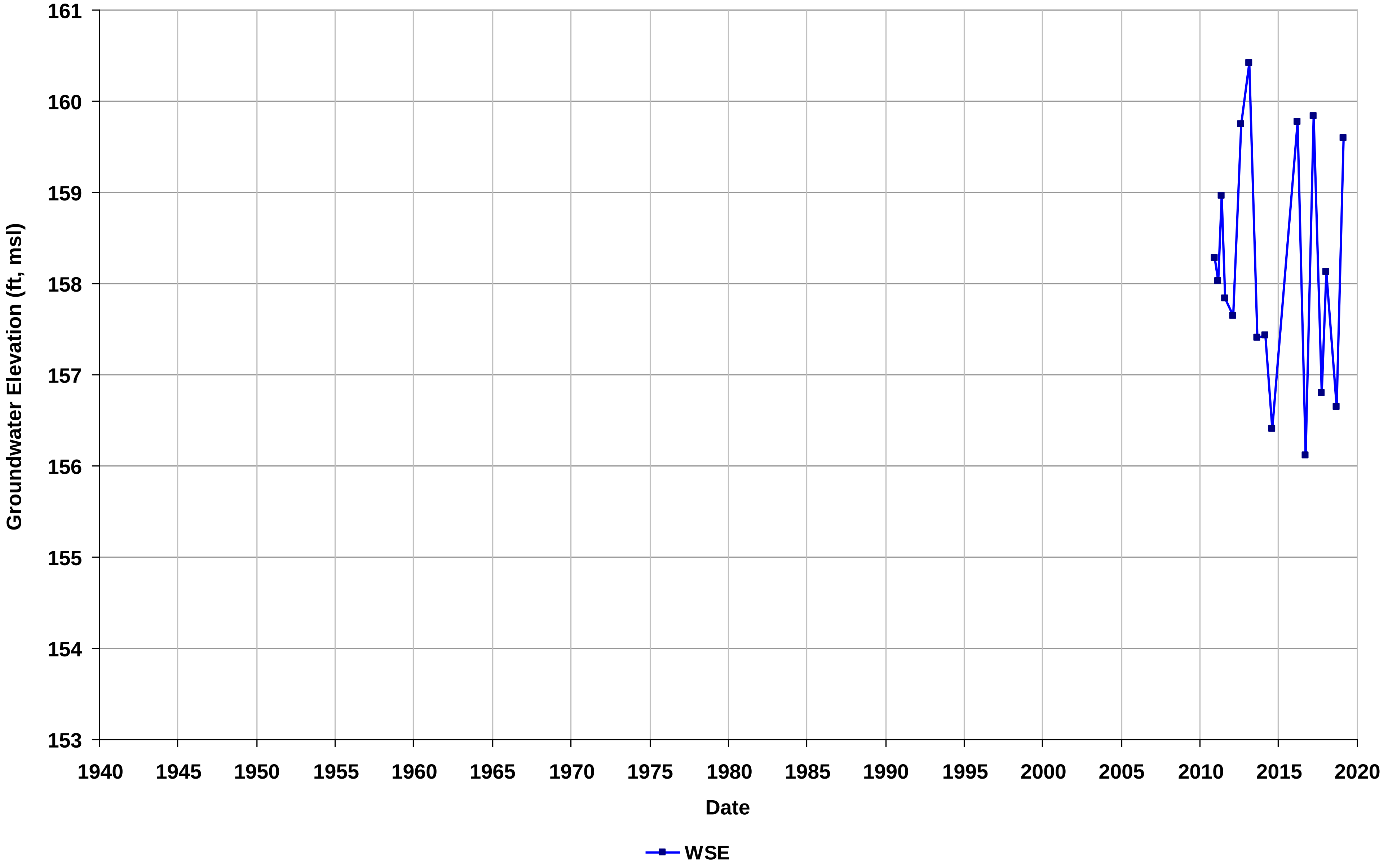
Well Name: T0600100106-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/11
Well Use: Observation



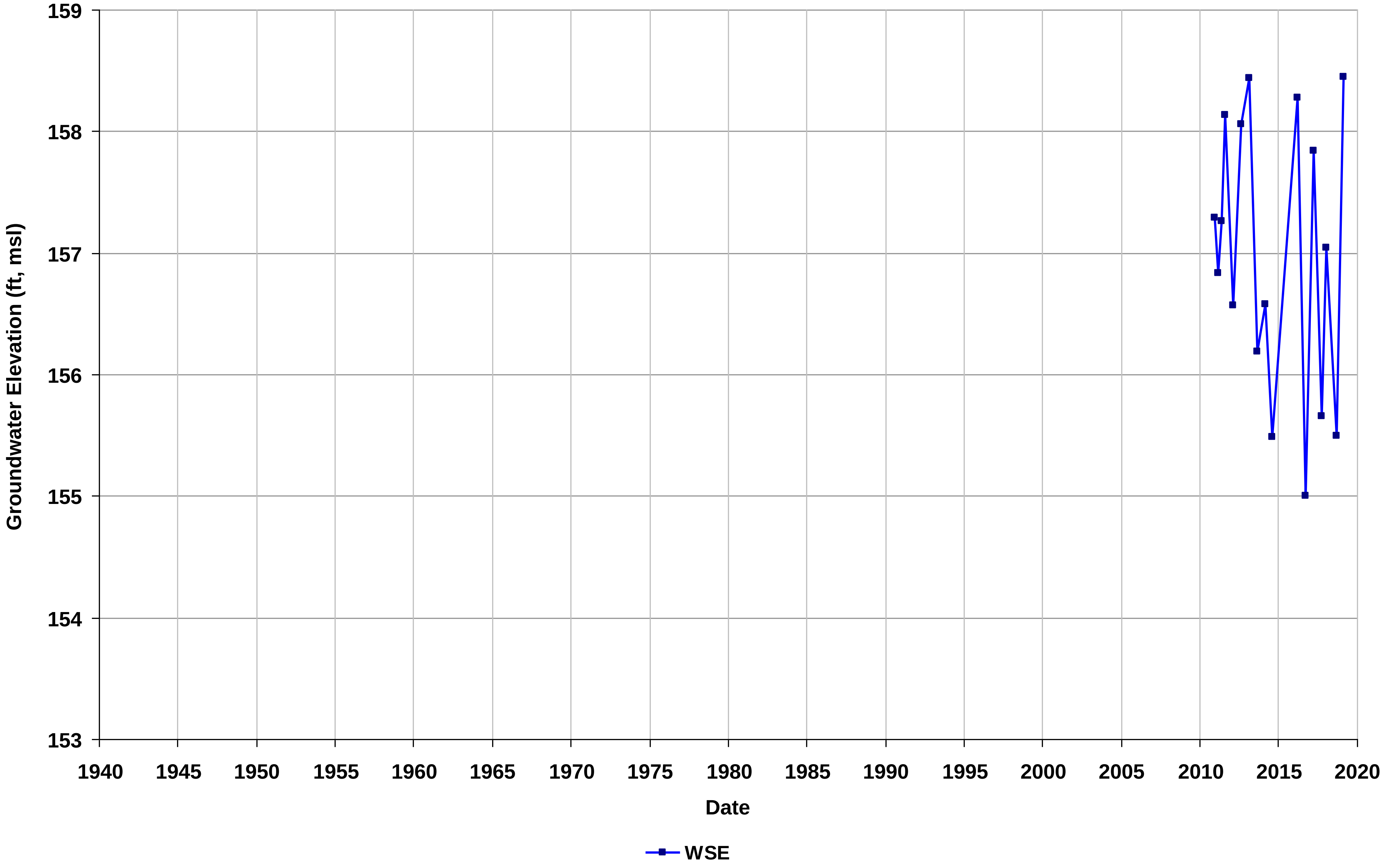
Well Name: T0600100106-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/12
Well Use: Observation



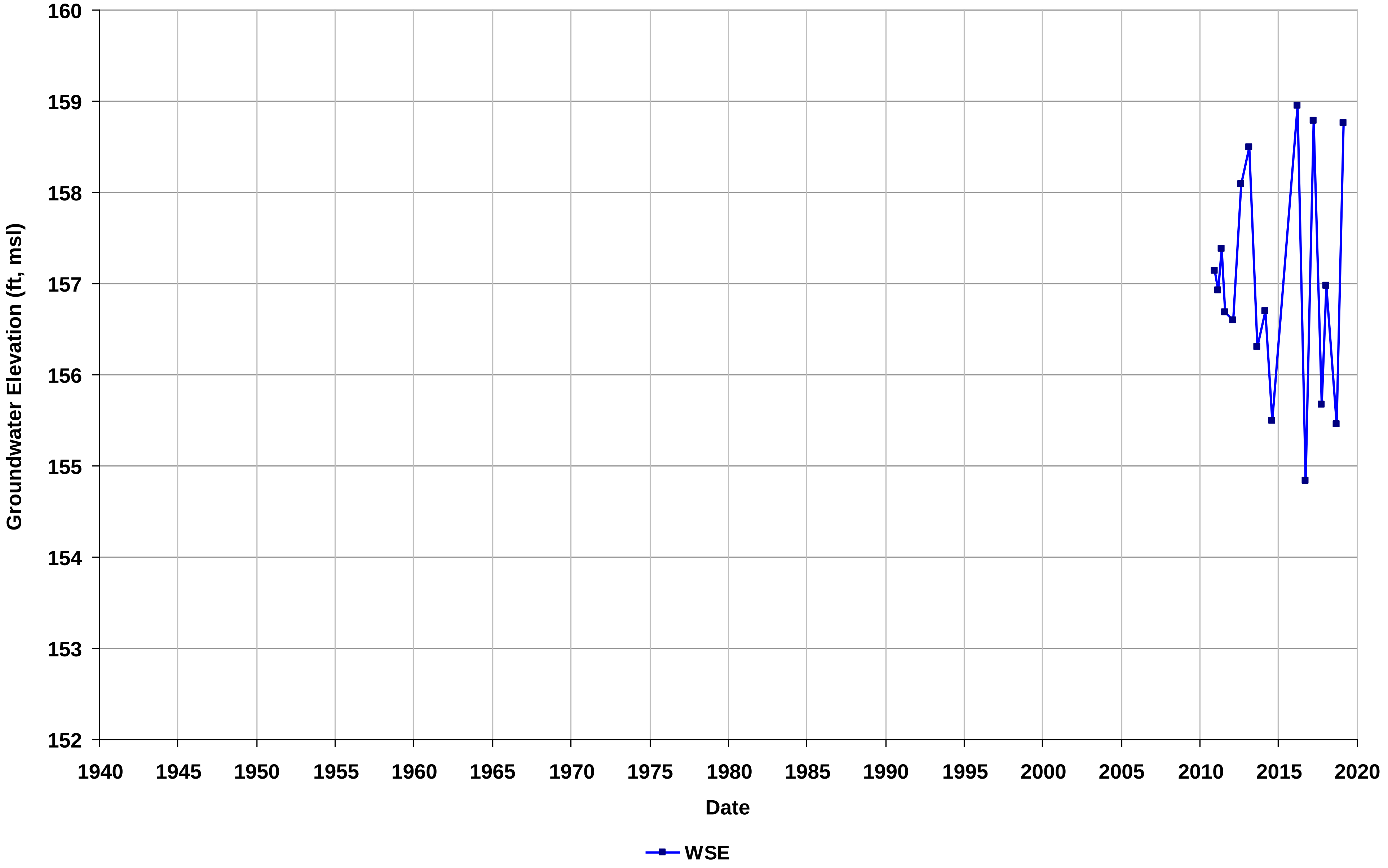
Well Name: T0600100106-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/12
Well Use: Observation



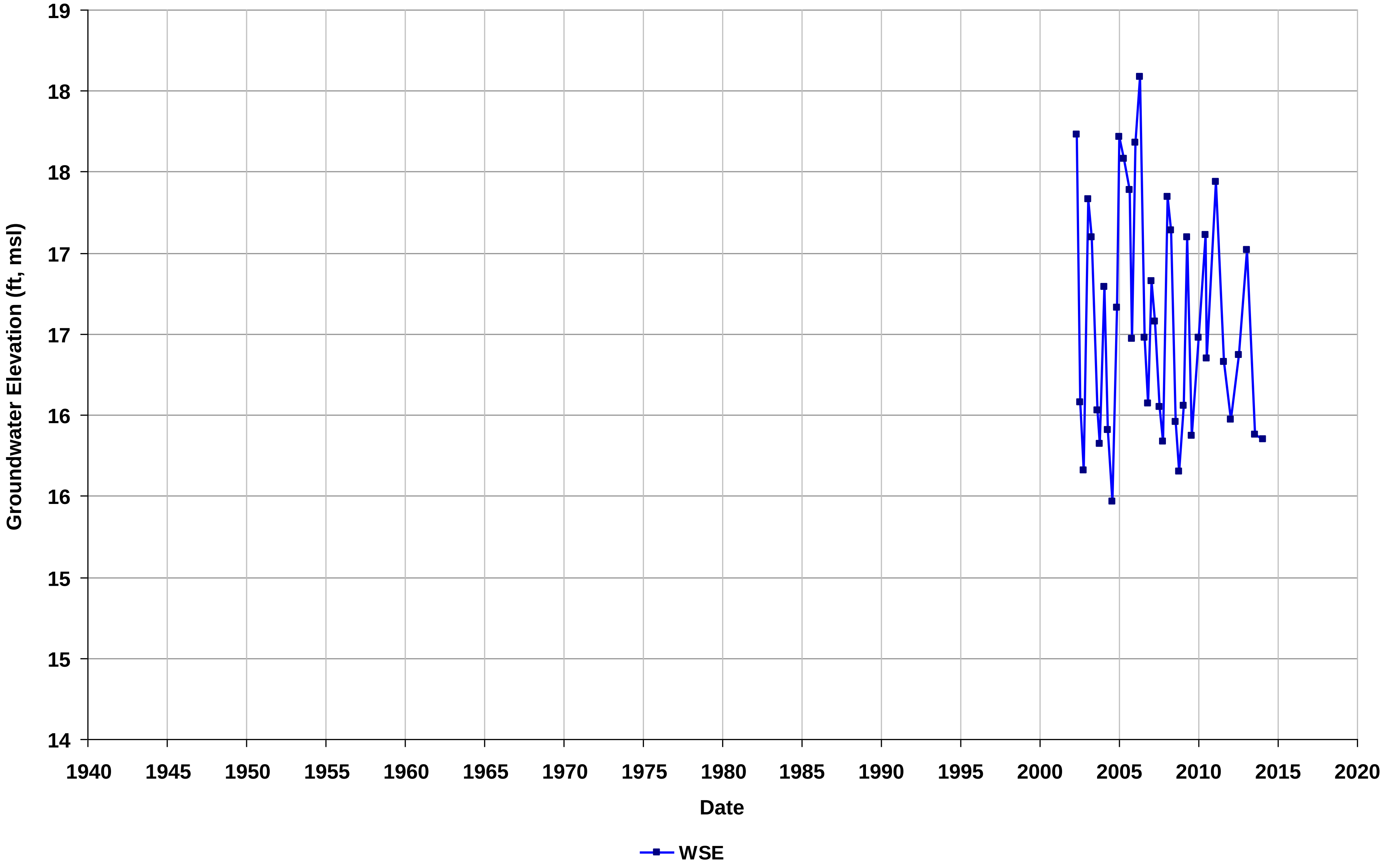
Well Name: T0600100106-MW-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/12
Well Use: Observation



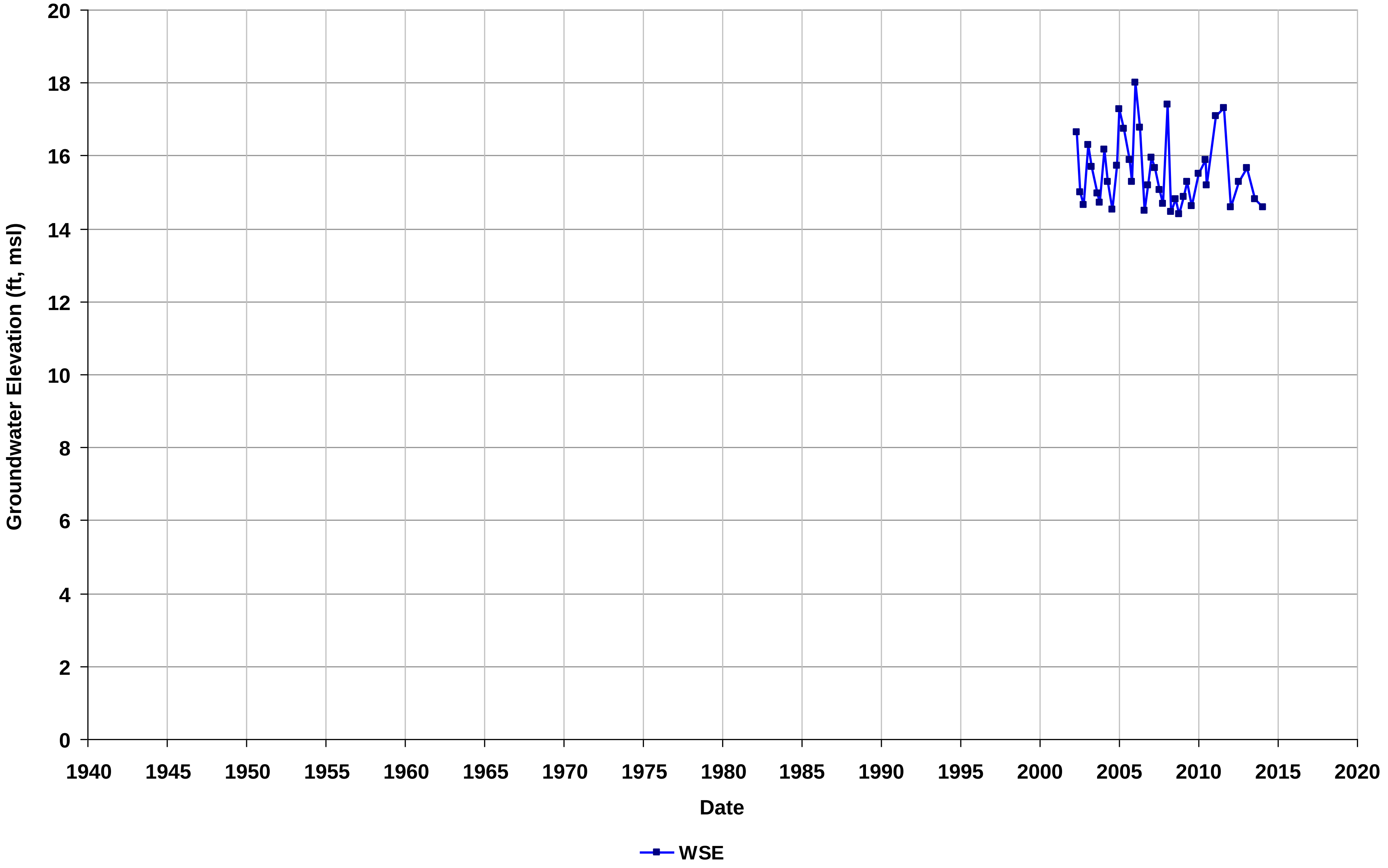
Well Name: T0600100108-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/12
Well Use: Observation



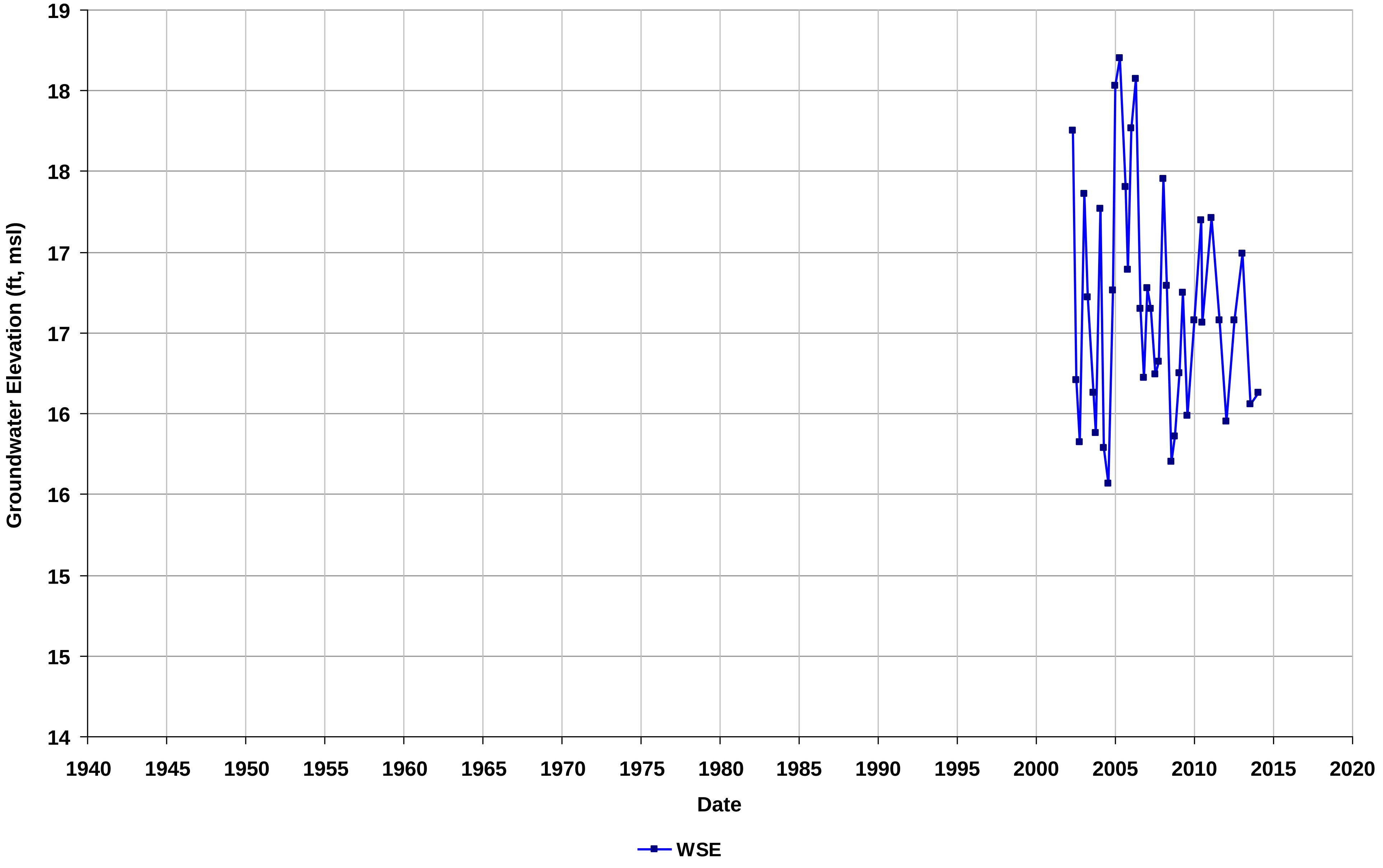
Well Name: T0600100108-MW-10
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/12
Well Use: Observation



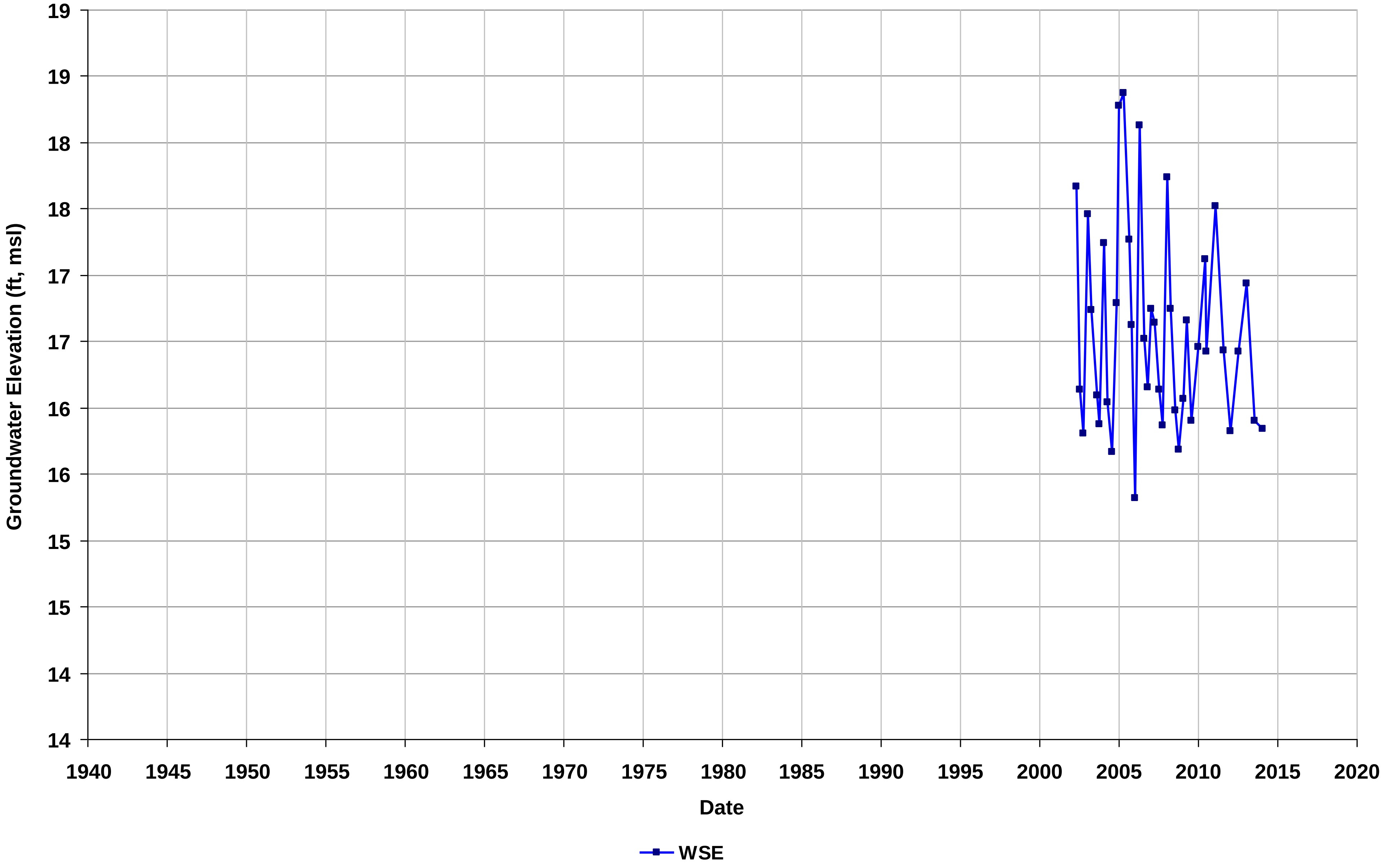
Well Name: T0600100108-MW-11
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/12
Well Use: Observation



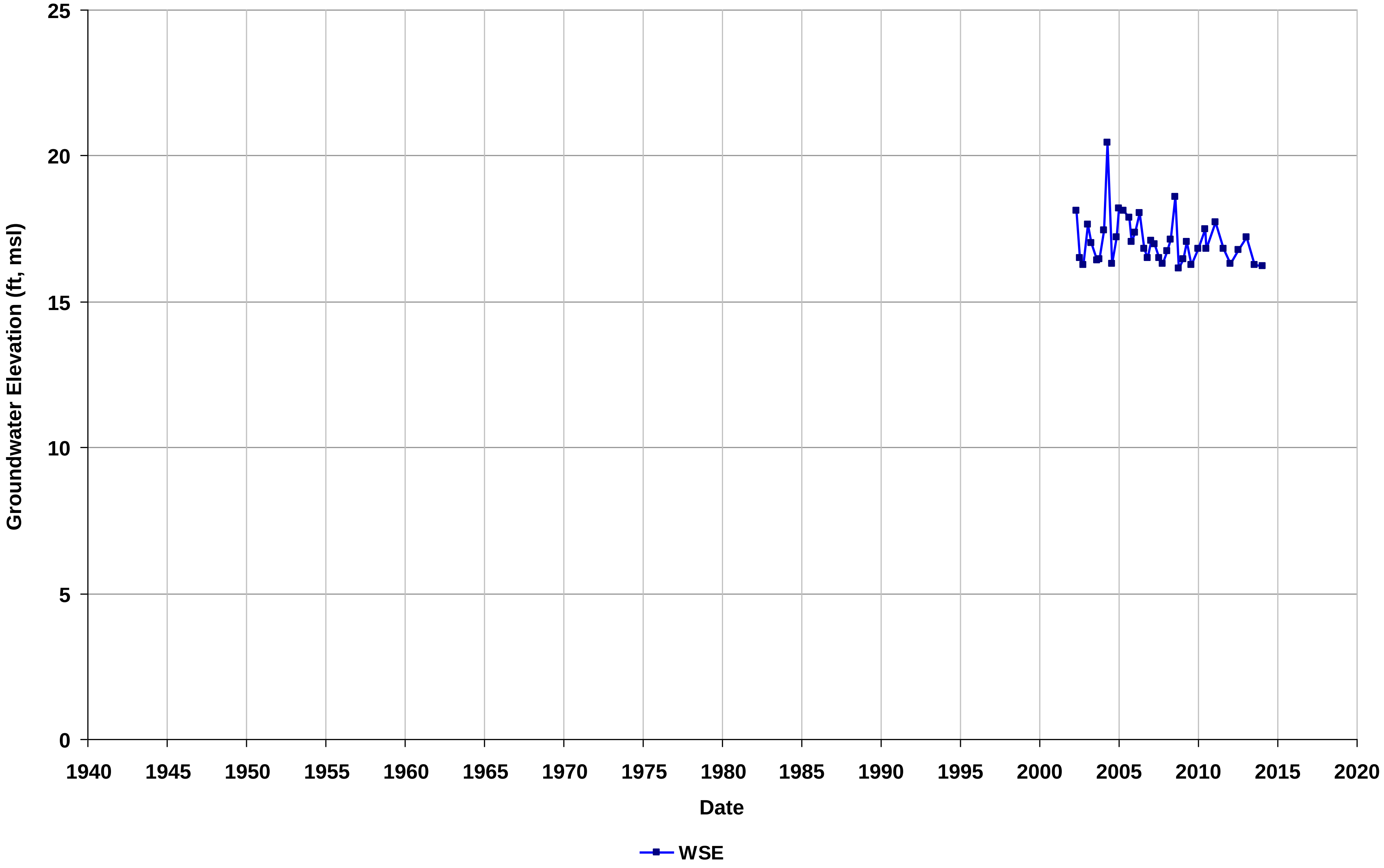
Well Name: T0600100108-MW-12
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/12
Well Use: Observation



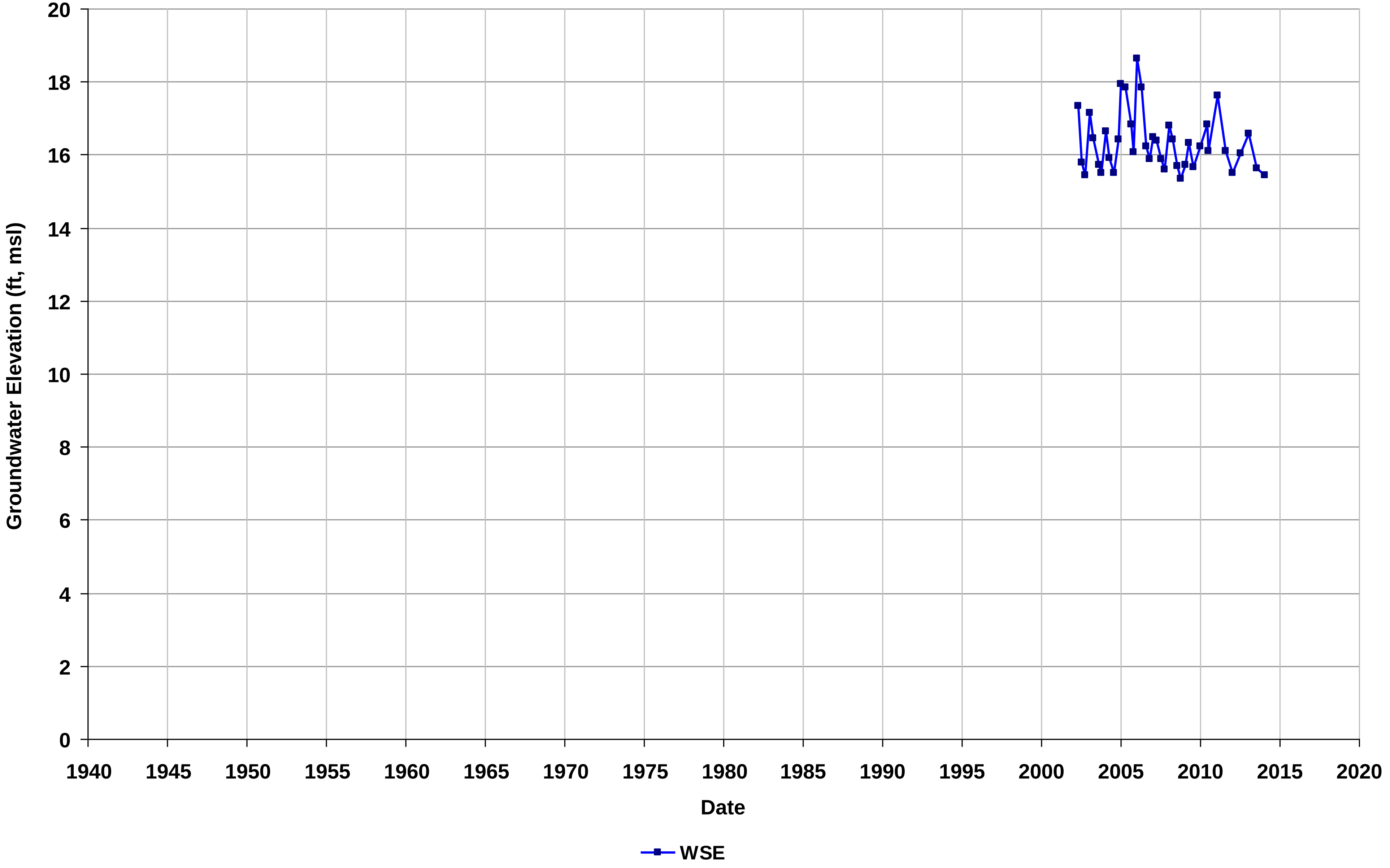
Well Name: T0600100108-MW-13
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/12
Well Use: Observation



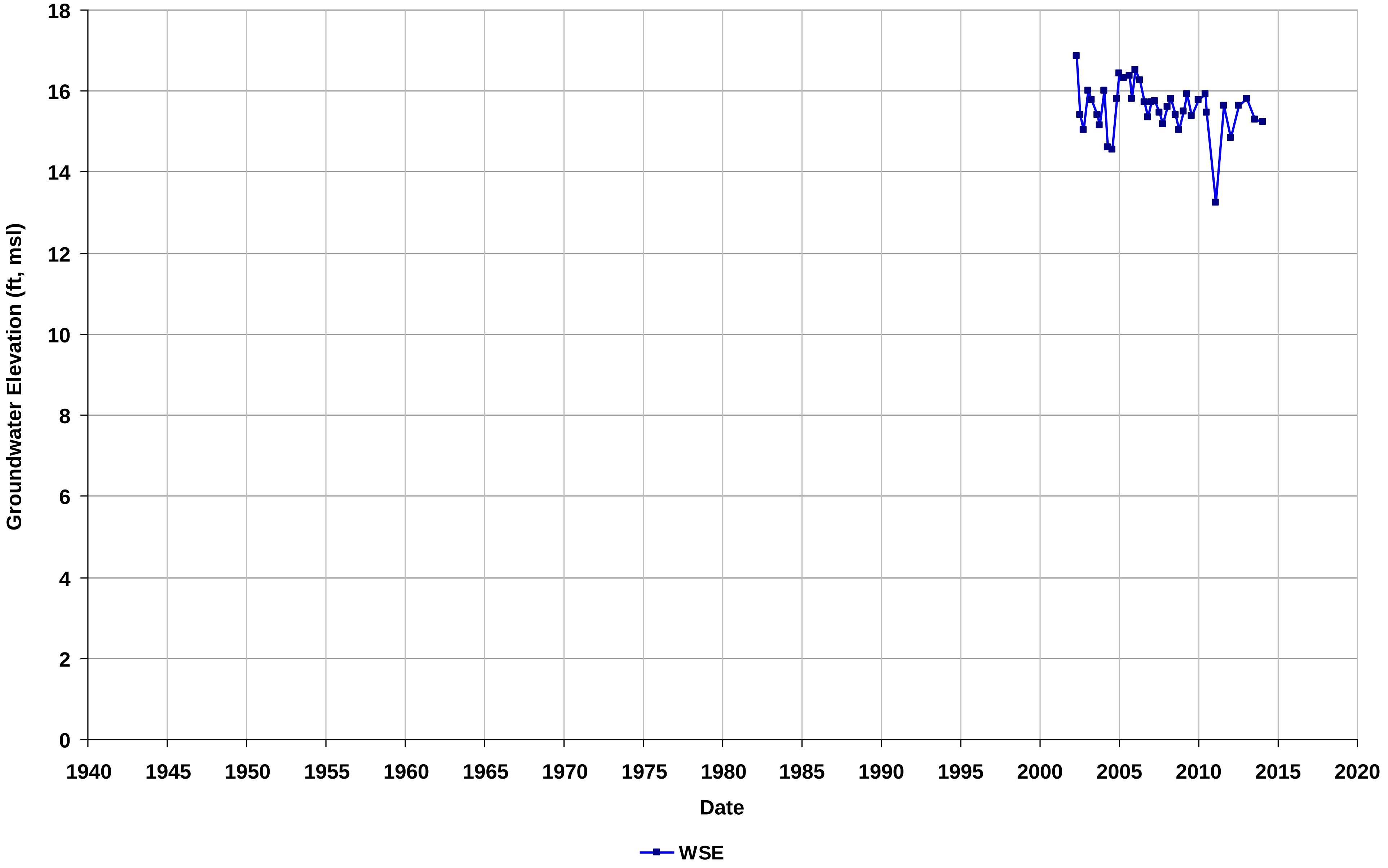
Well Name: T0600100108-MW-14
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/12
Well Use: Observation



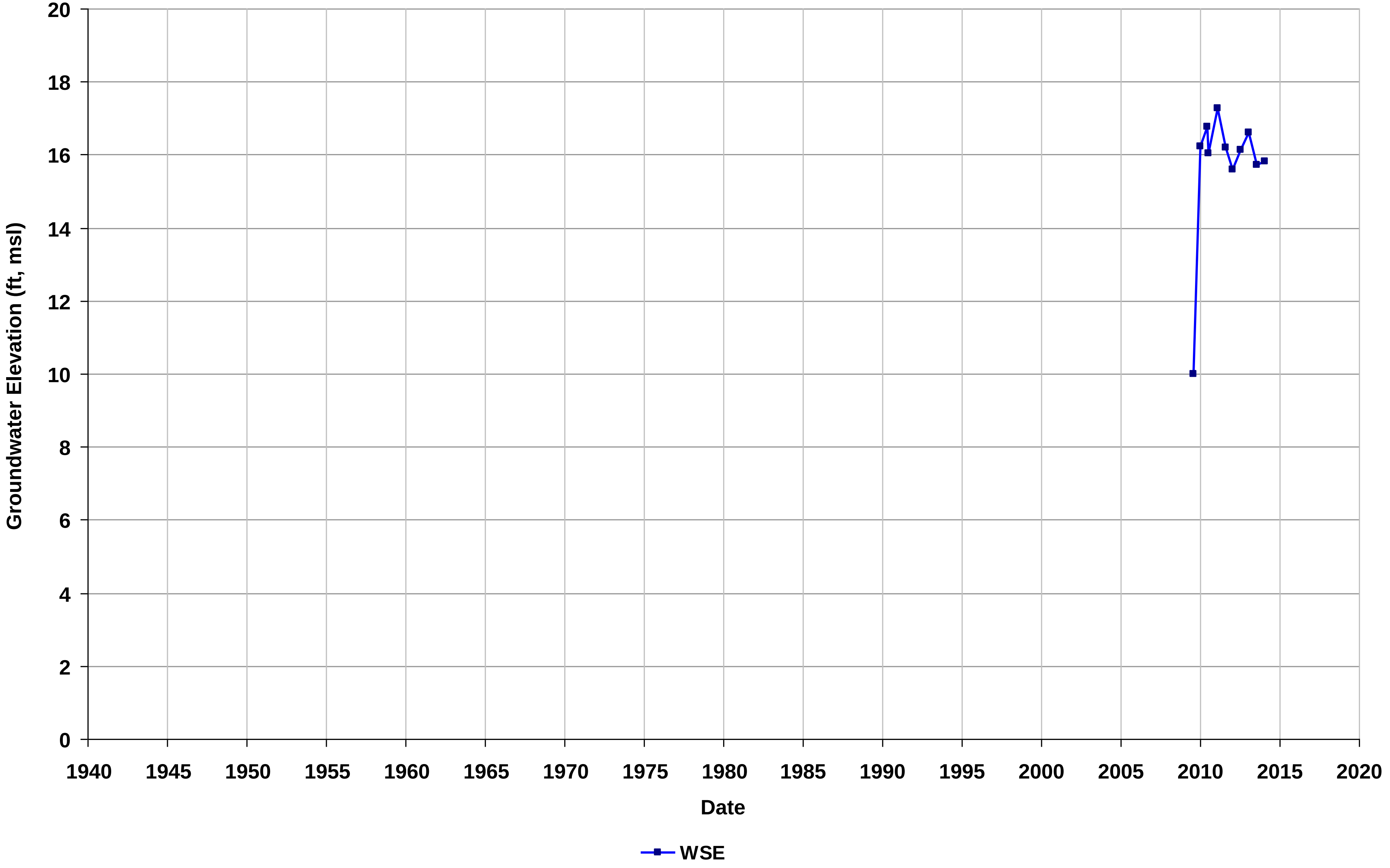
Well Name: T0600100108-MW-15
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/12
Well Use: Observation



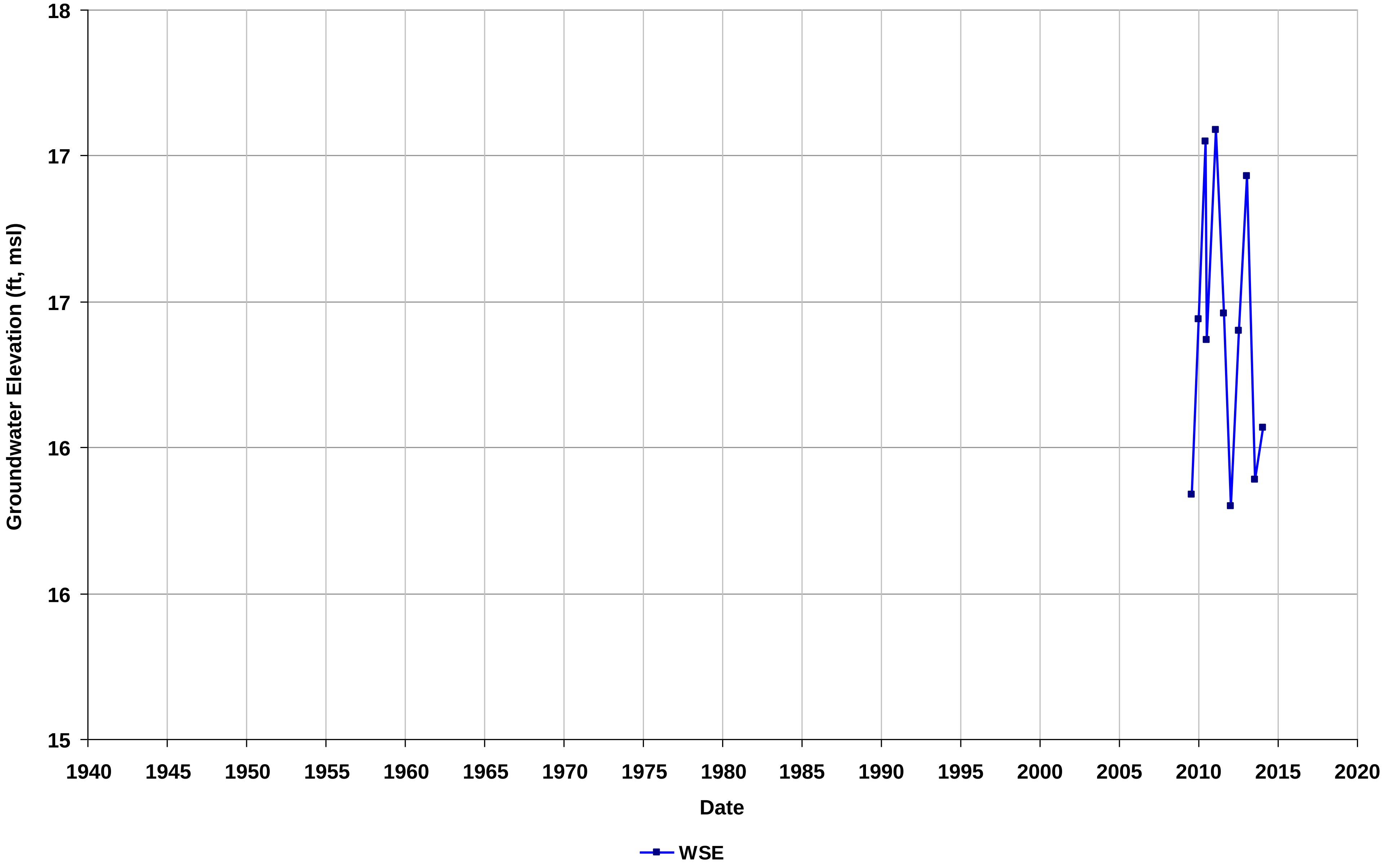
Well Name: T0600100108-MW-16
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/12
Well Use: Observation



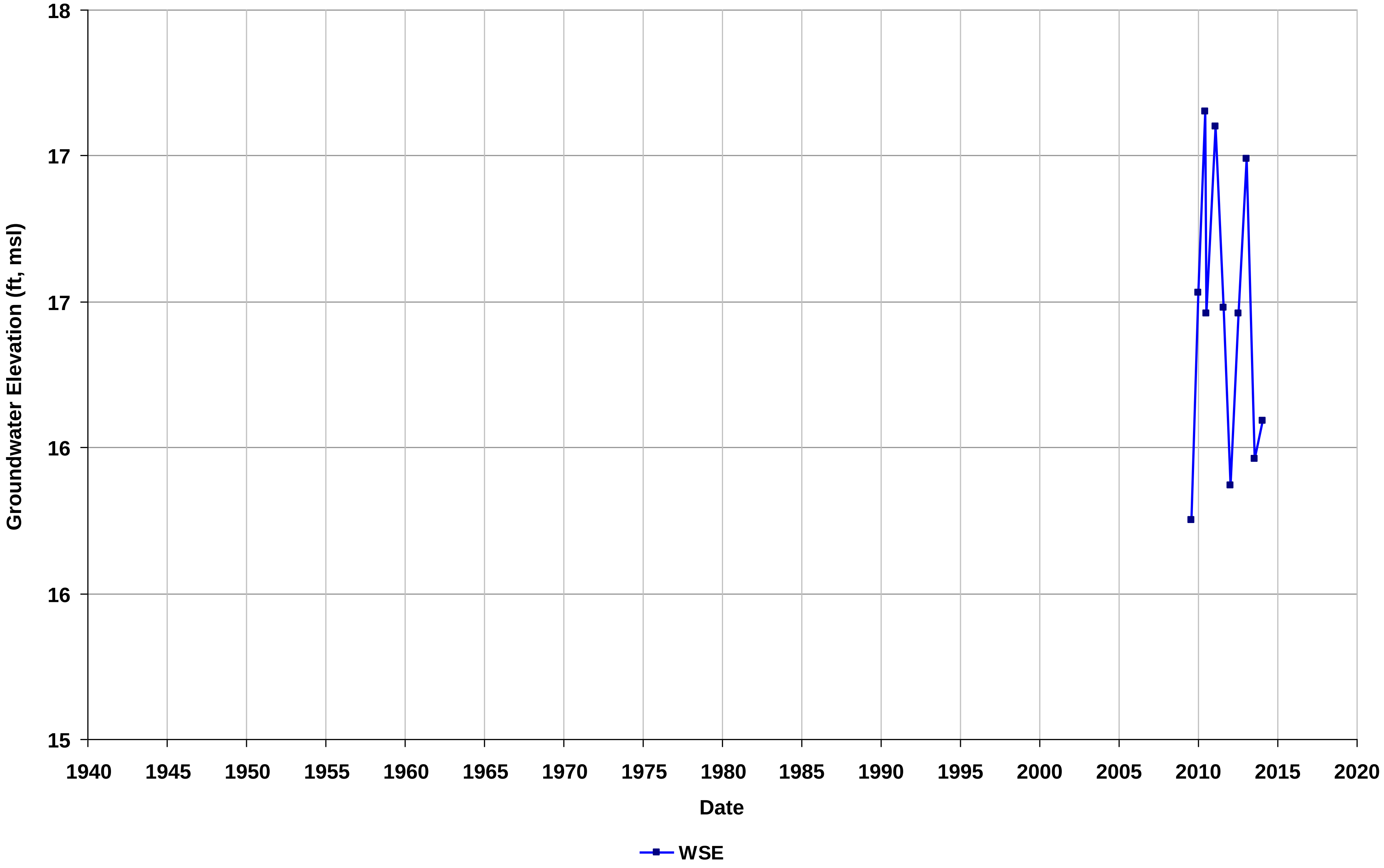
Well Name: T0600100108-MW-17
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/12
Well Use: Observation



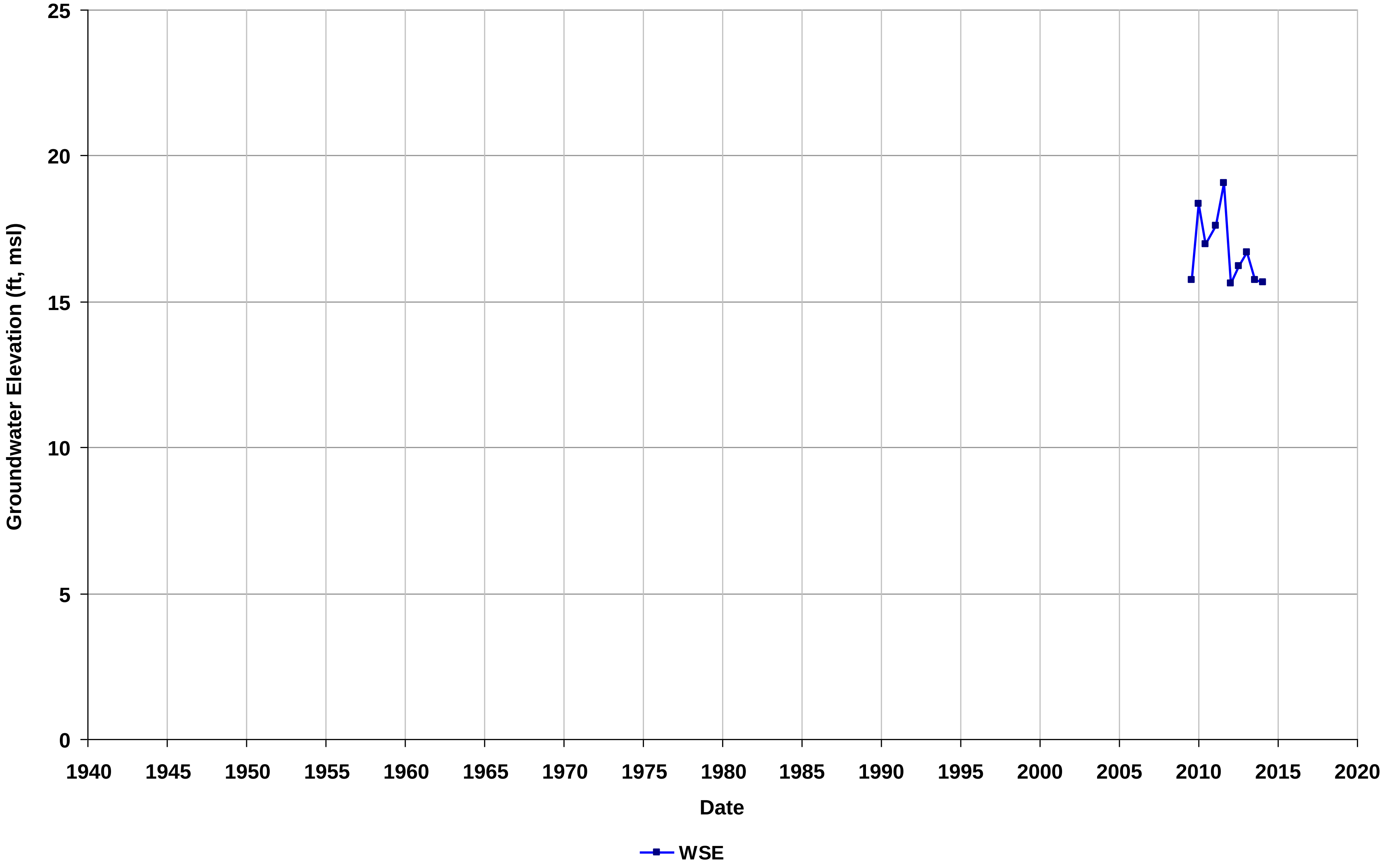
Well Name: T0600100108-MW-18
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/12
Well Use: Observation



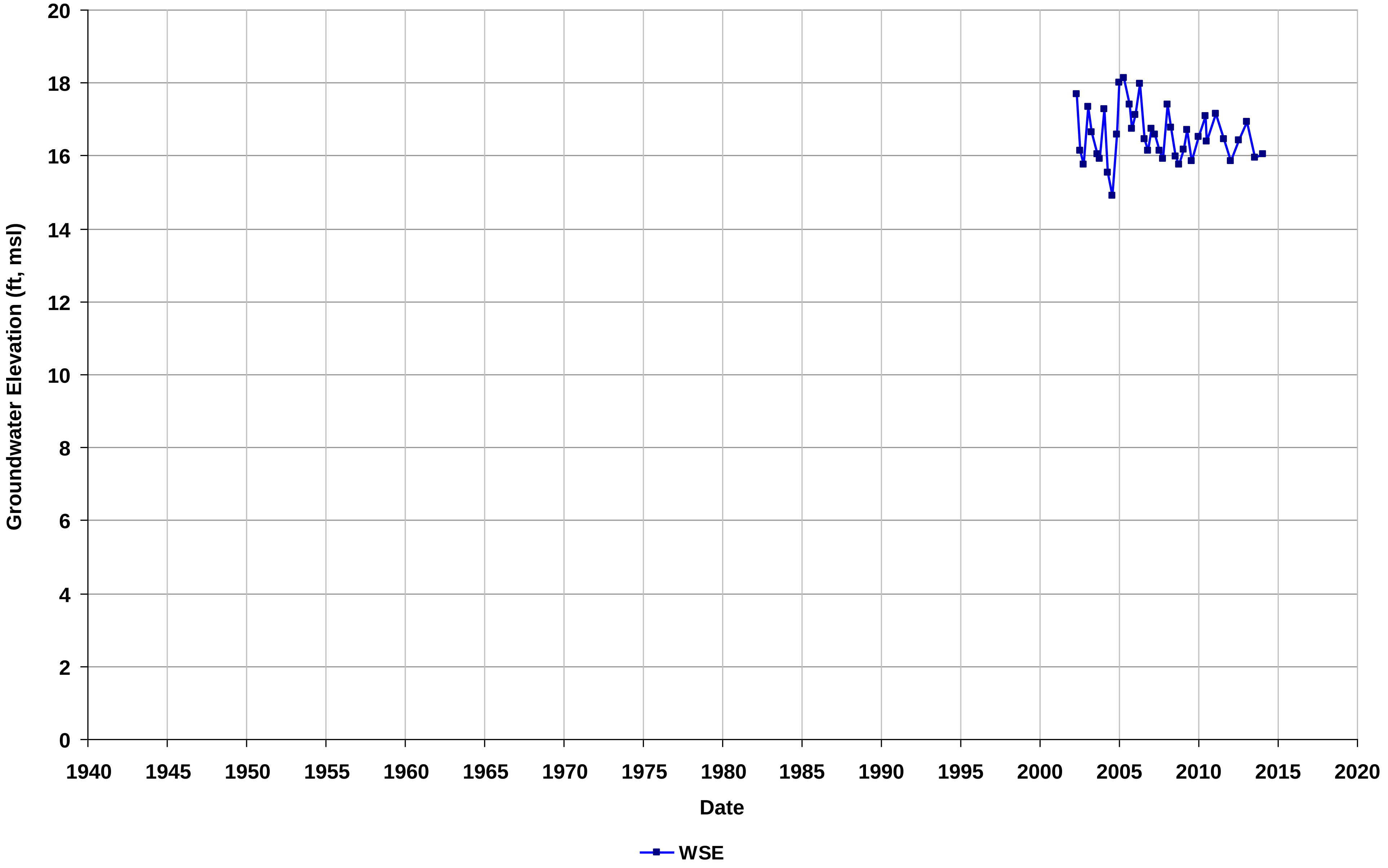
Well Name: T0600100108-MW-19
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/12
Well Use: Observation



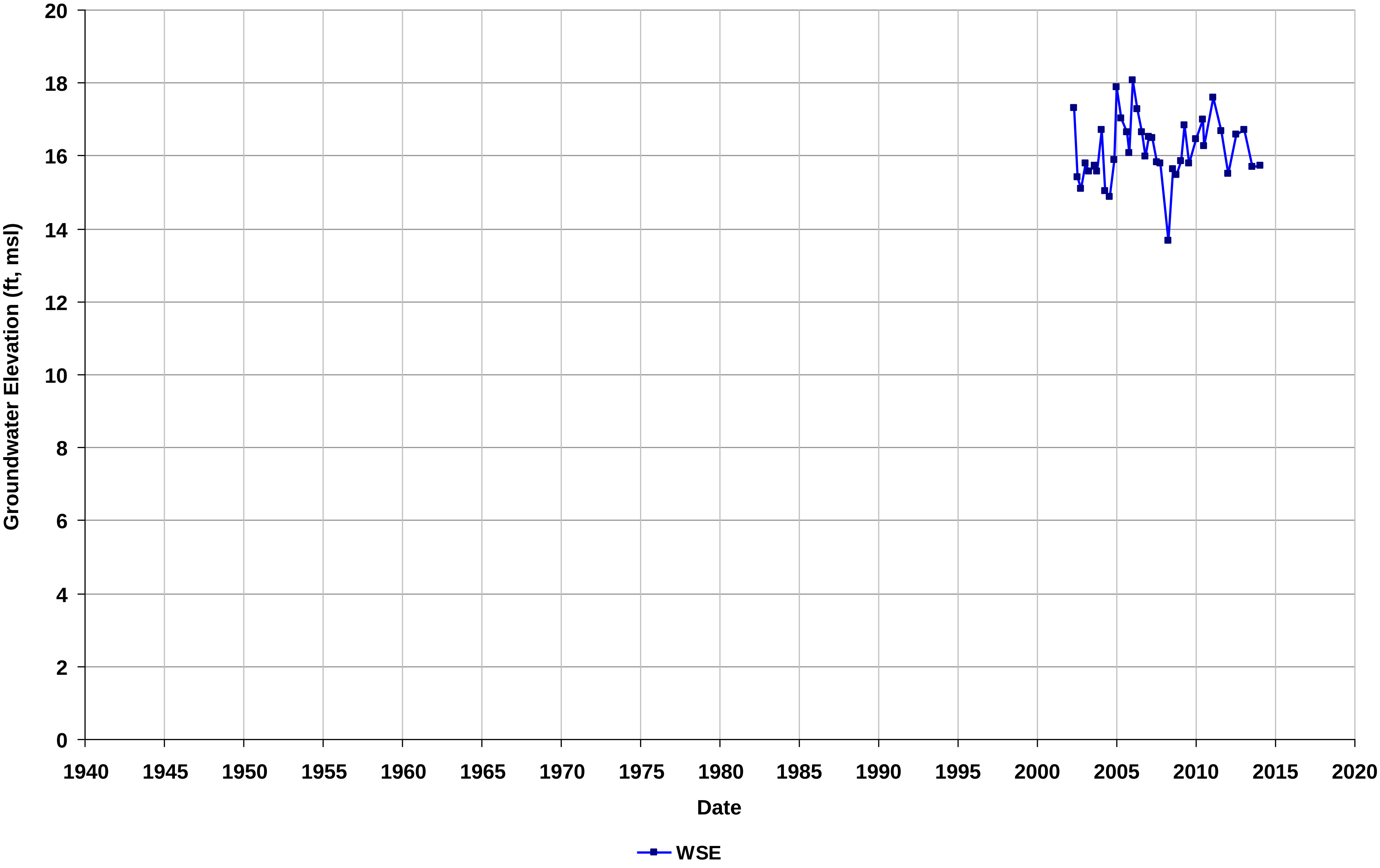
Well Name: T0600100108-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/12
Well Use: Observation



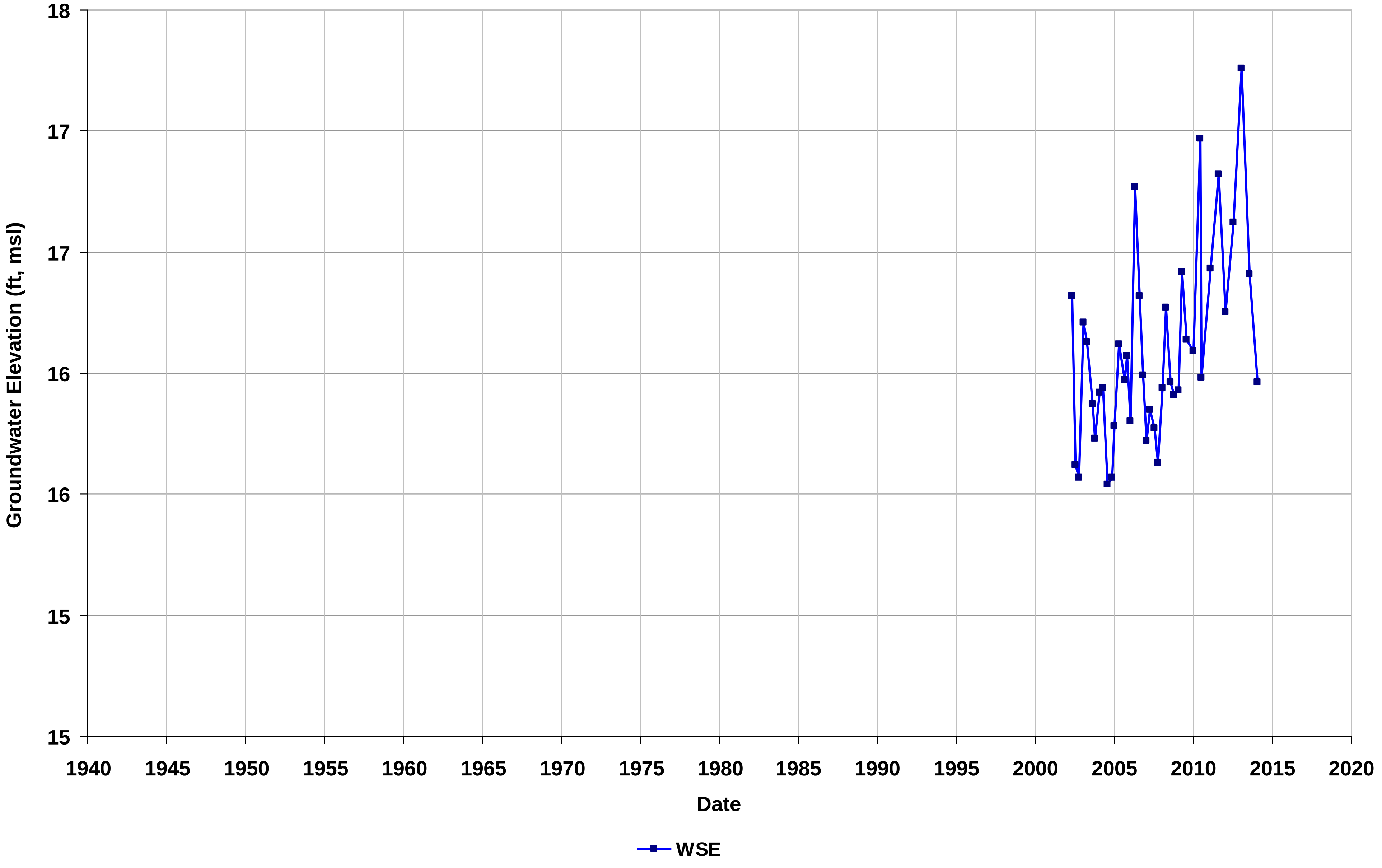
Well Name: T0600100108-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/12
Well Use: Observation



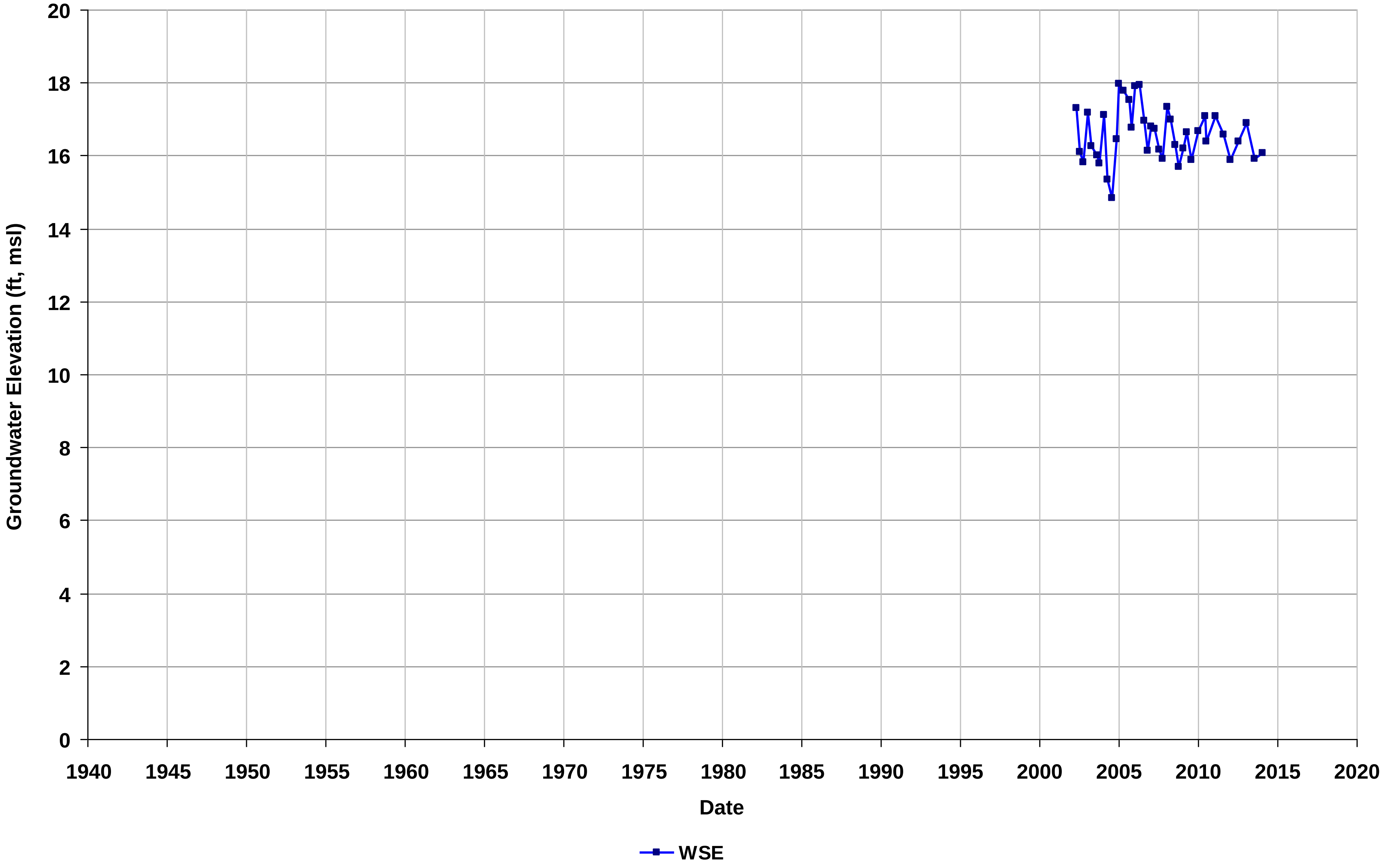
Well Name: T0600100108-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/12
Well Use: Observation



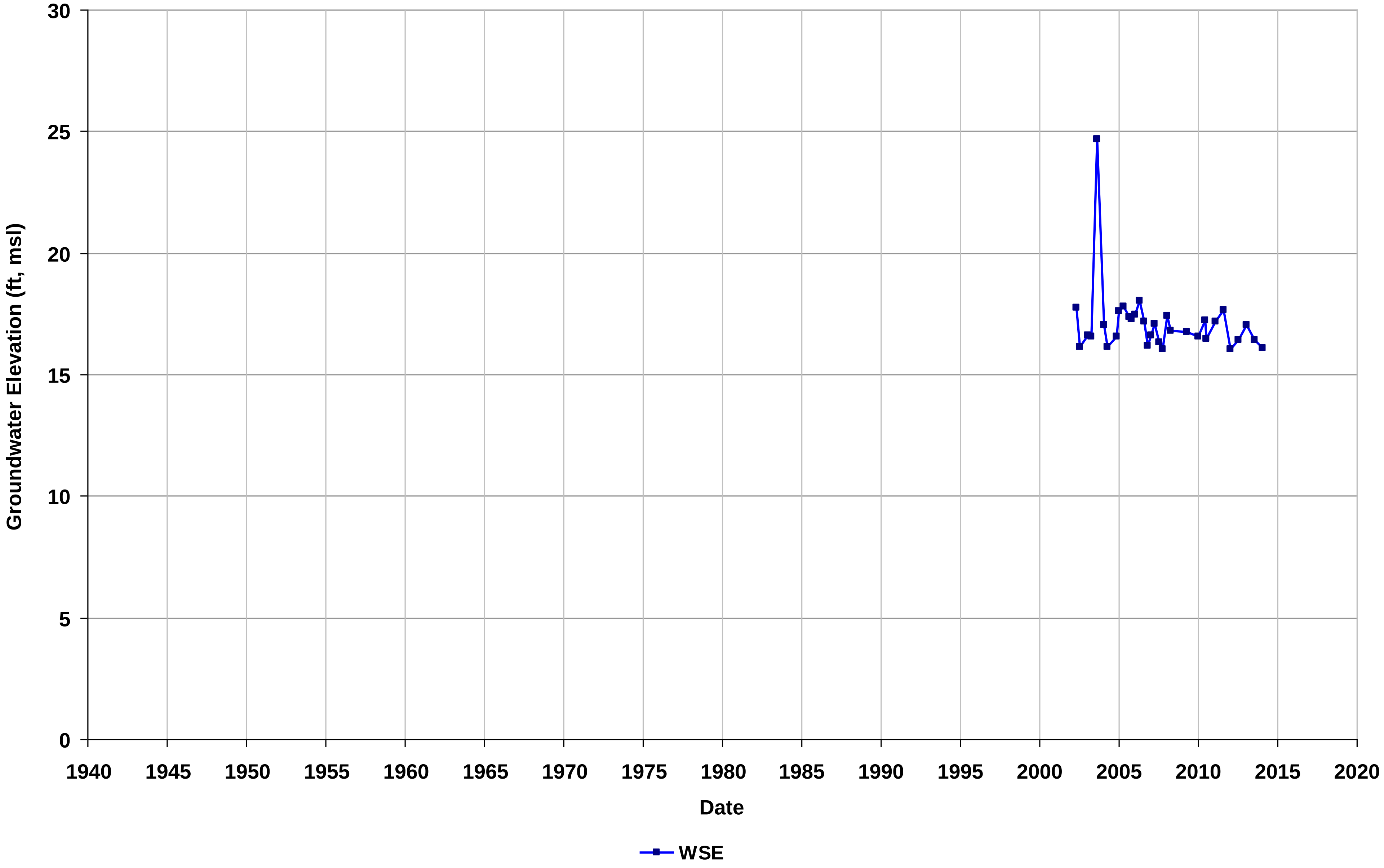
Well Name: T0600100108-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/12
Well Use: Observation



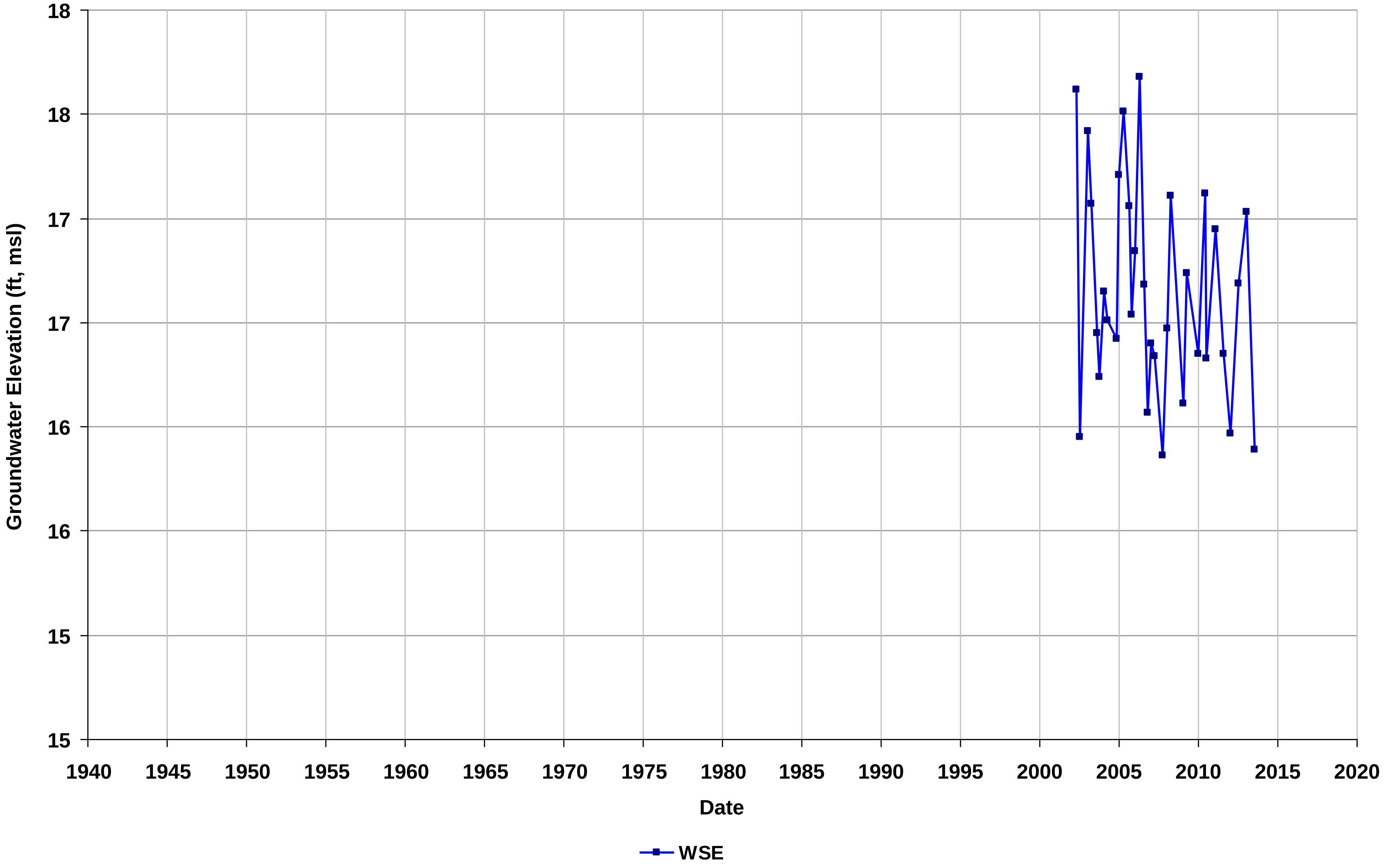
Well Name: T0600100108-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/12
Well Use: Observation



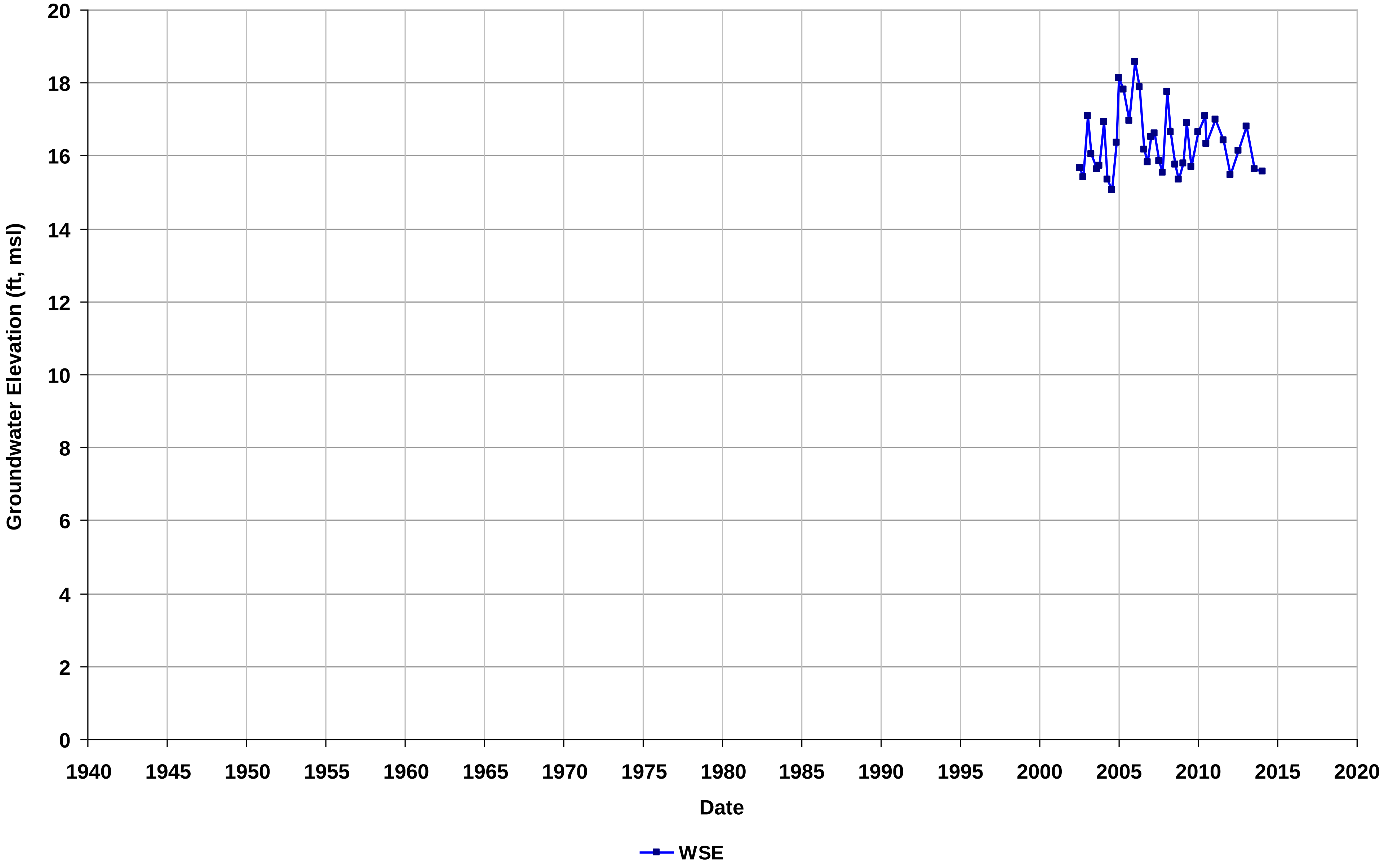
Well Name: T0600100108-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/12
Well Use: Observation



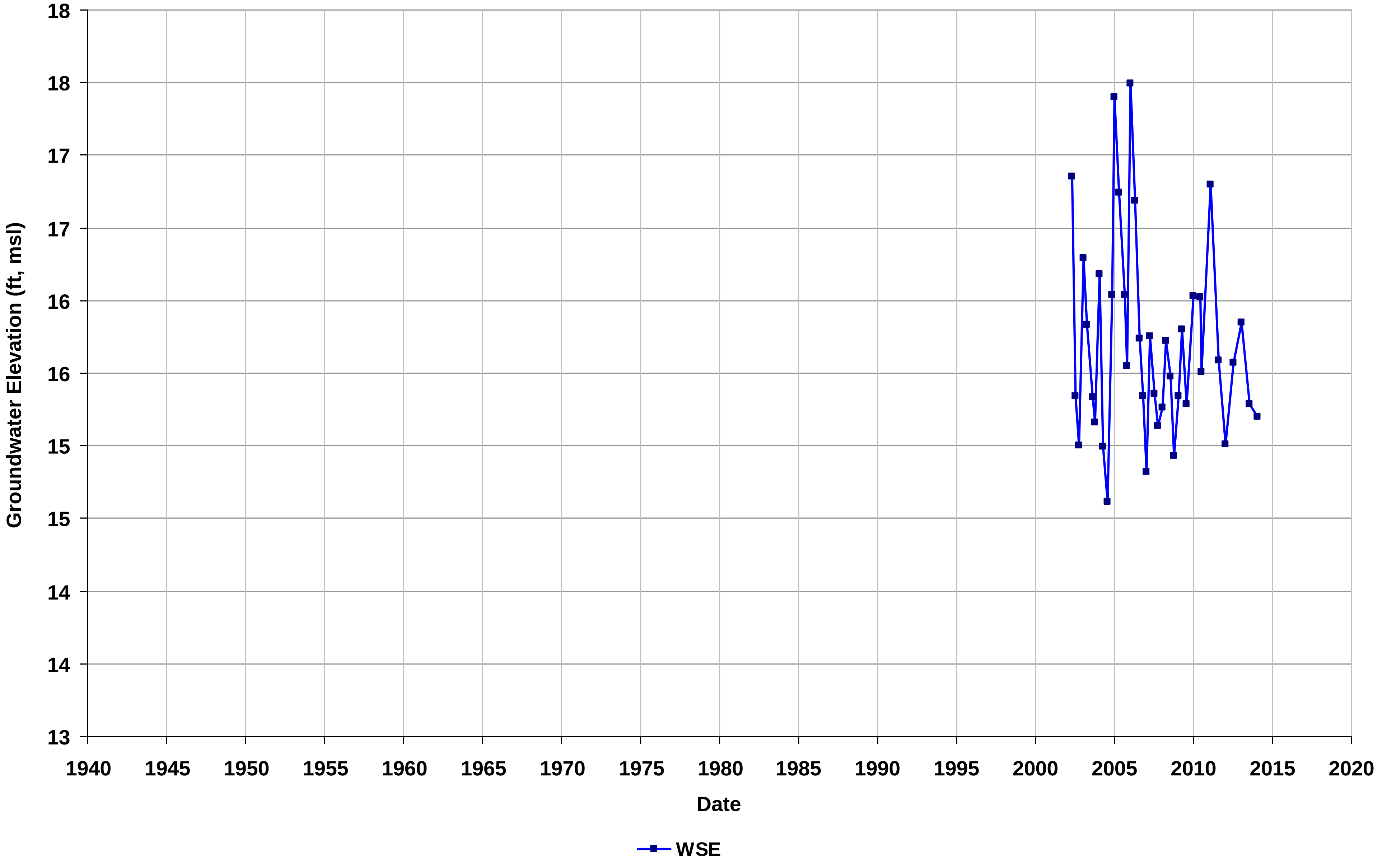
Well Name: T0600100108-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/12
Well Use: Observation



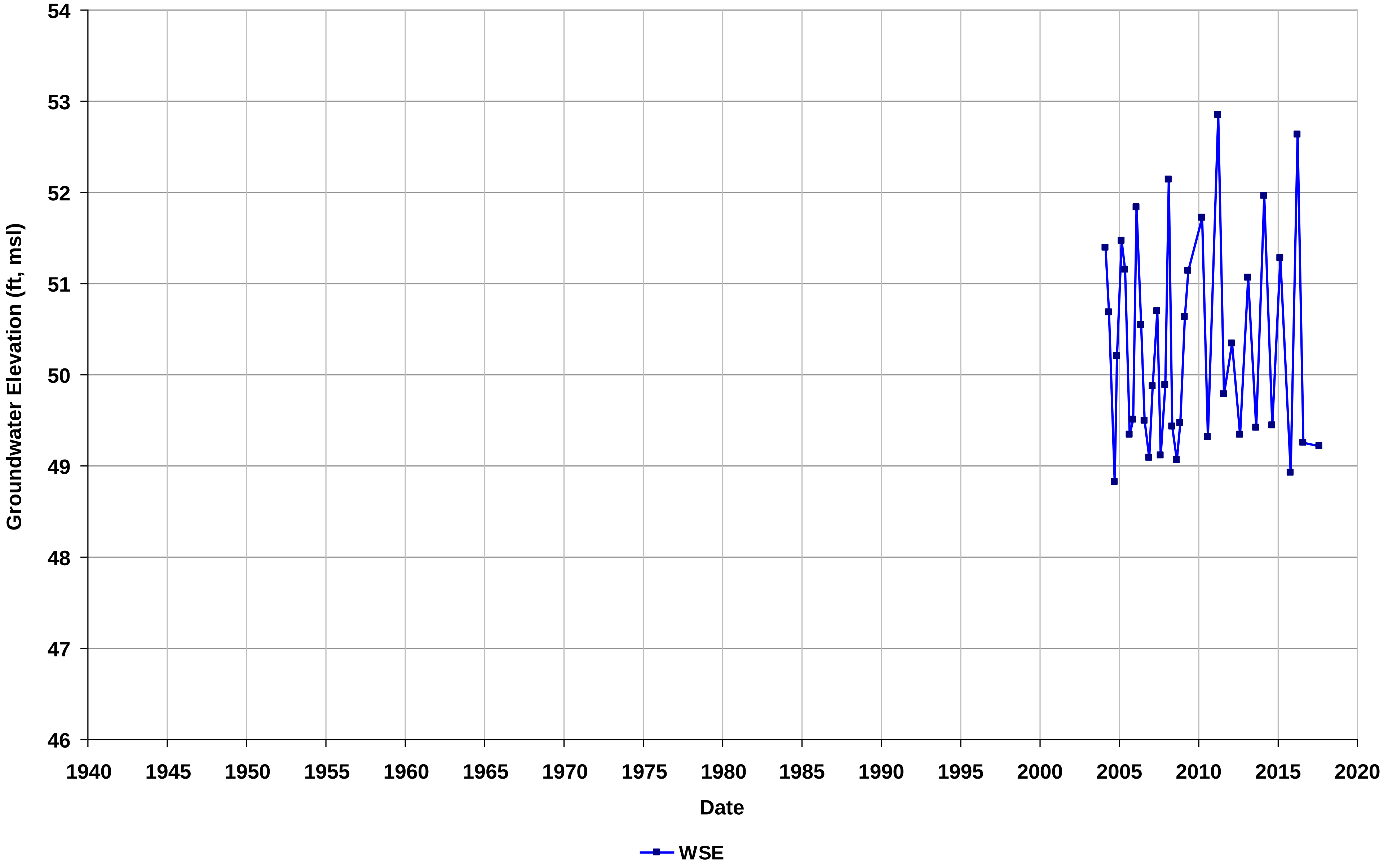
Well Name: T0600100108-MW-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/12
Well Use: Observation



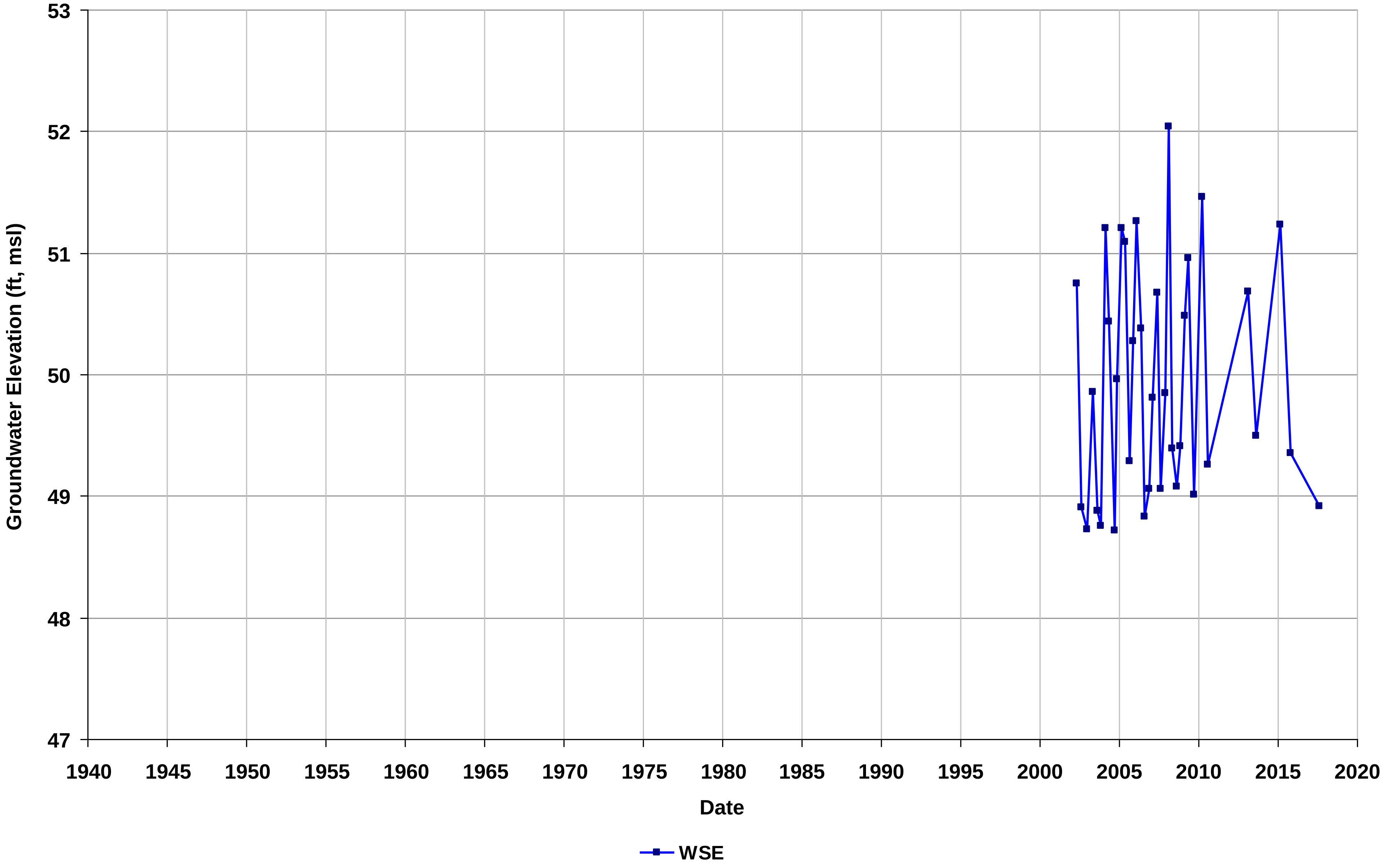
Well Name: T0600100110-A-10
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



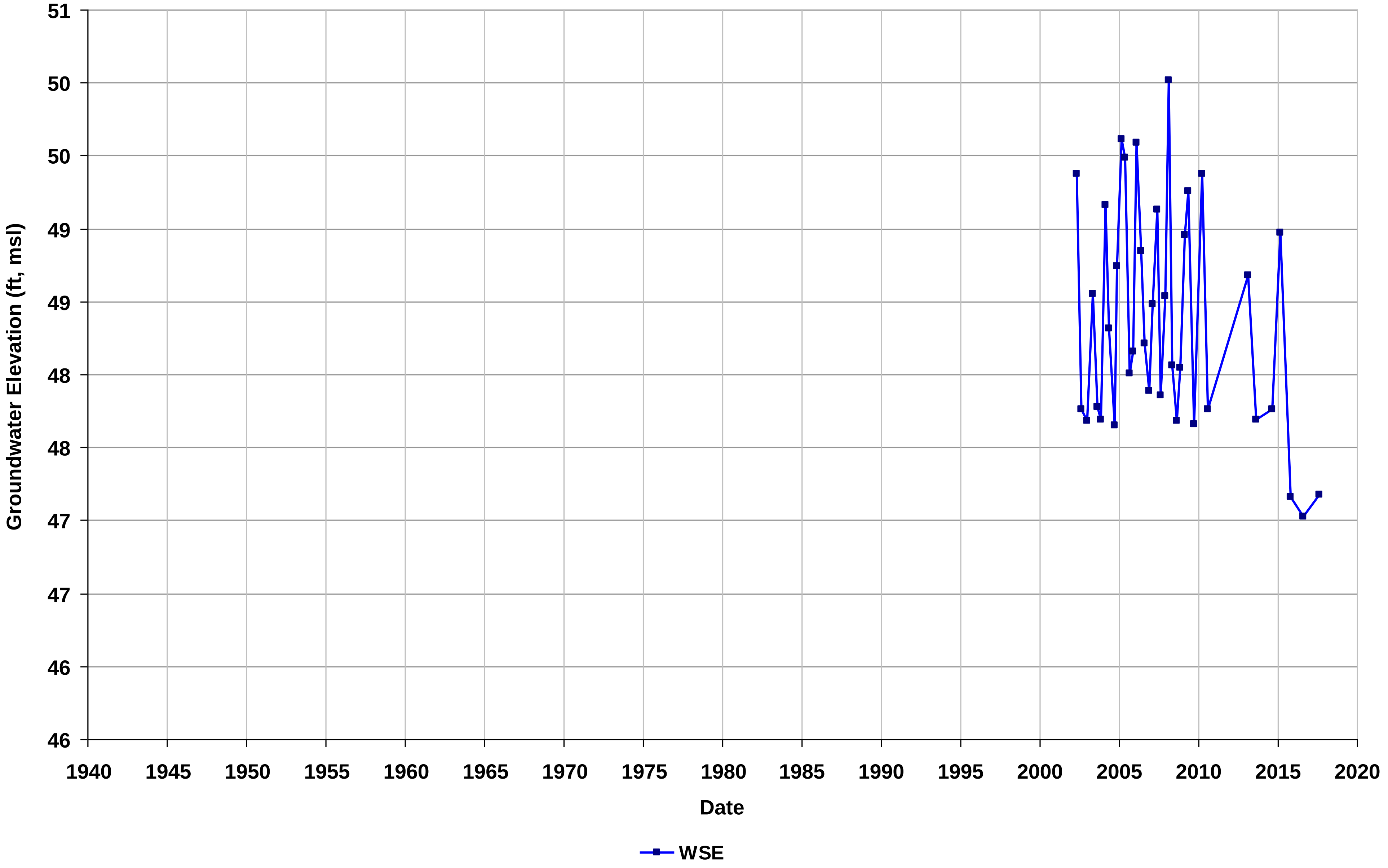
Well Name: T0600100110-A-11
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



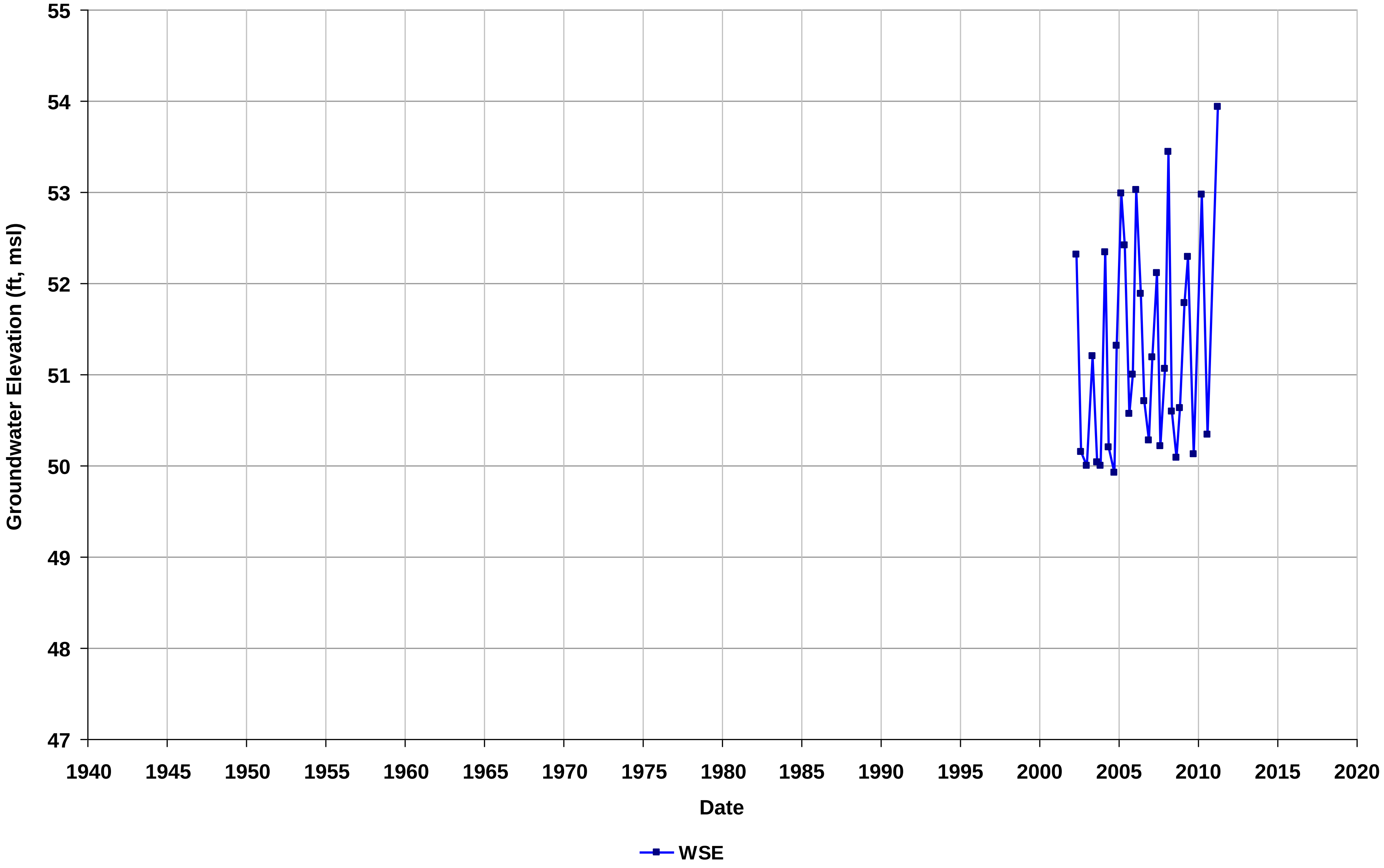
Well Name: T0600100110-A-12
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



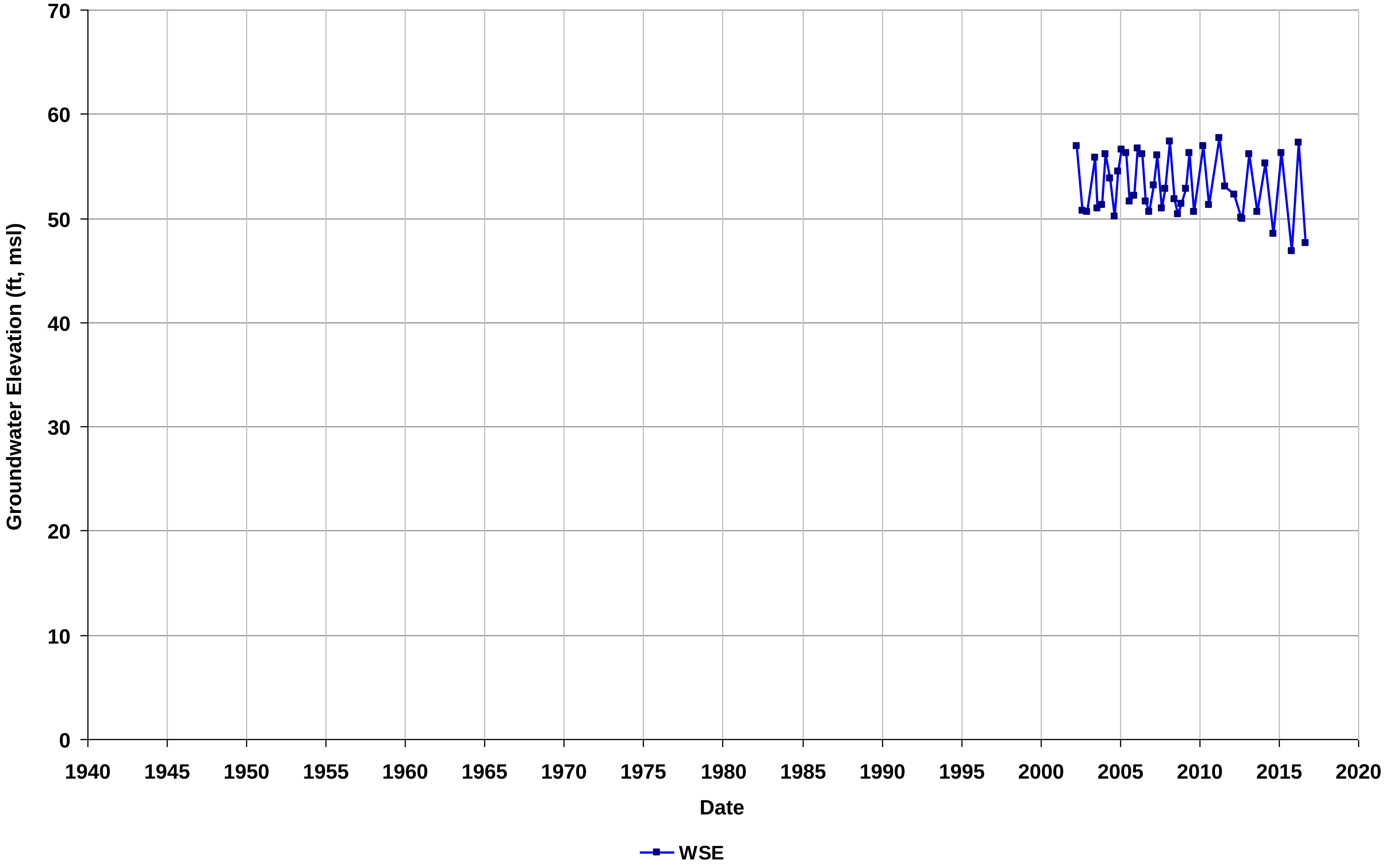
Well Name: T0600100110-A-13
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



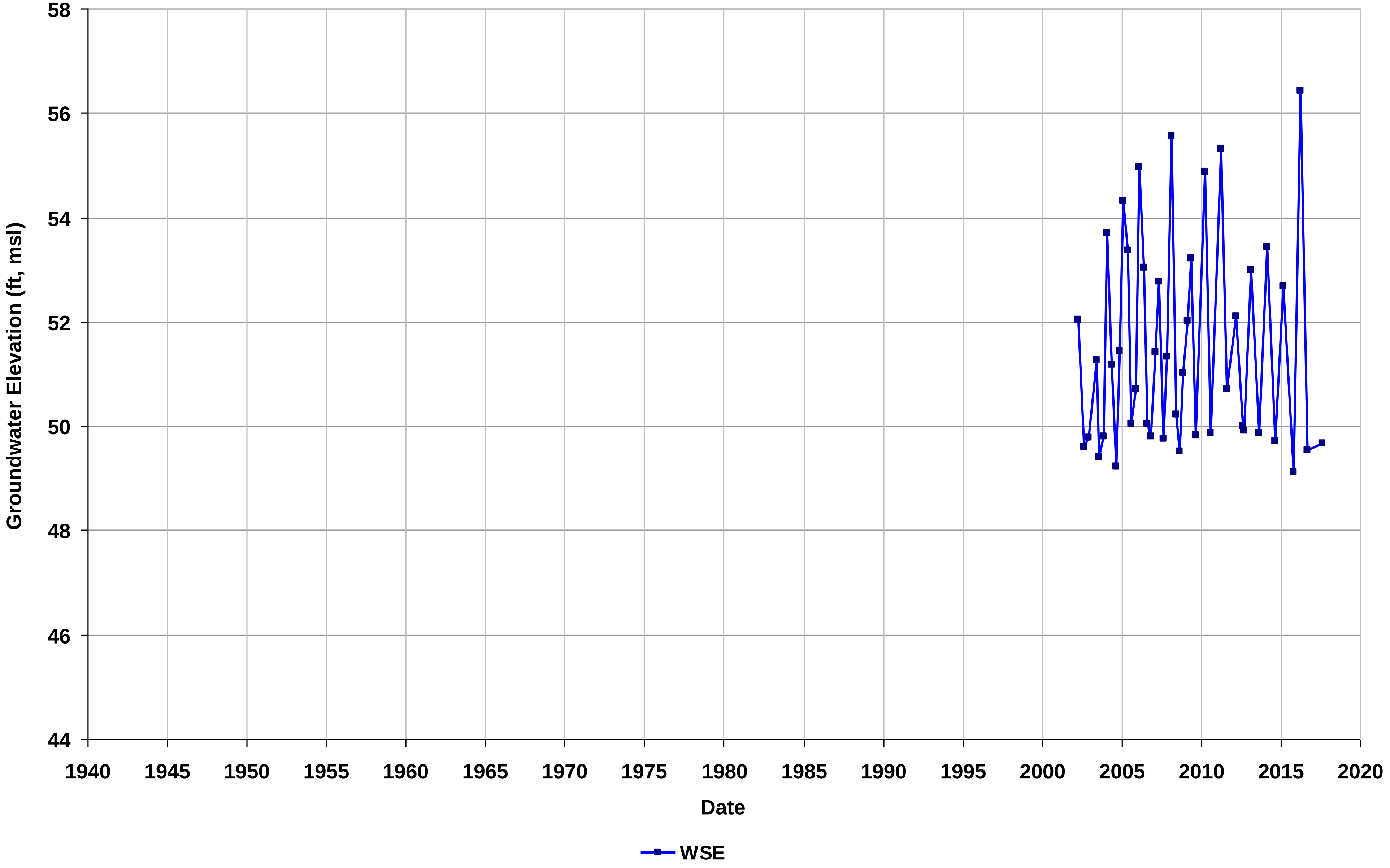
Well Name: T0600100110-A-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



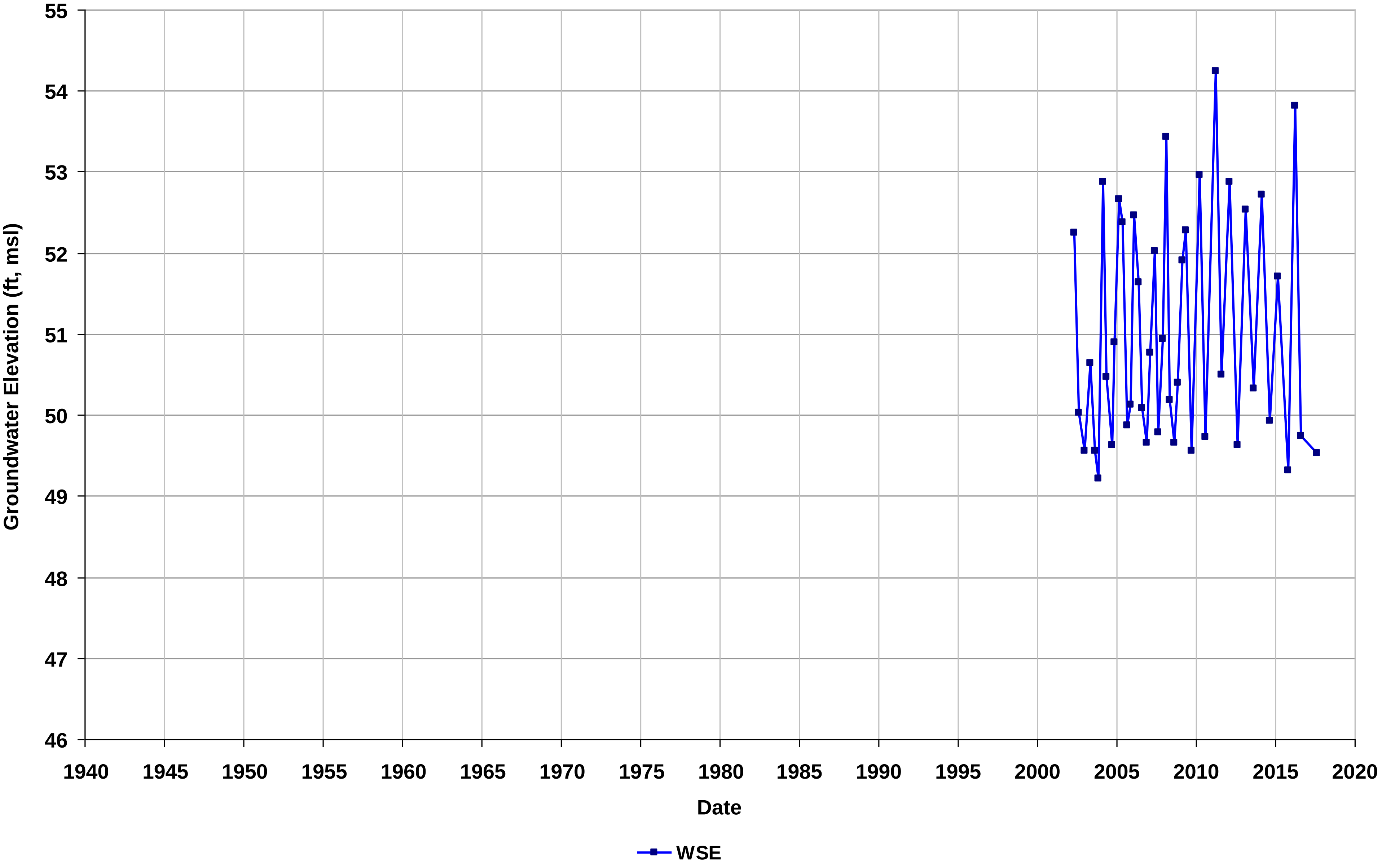
Well Name: T0600100110-A-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



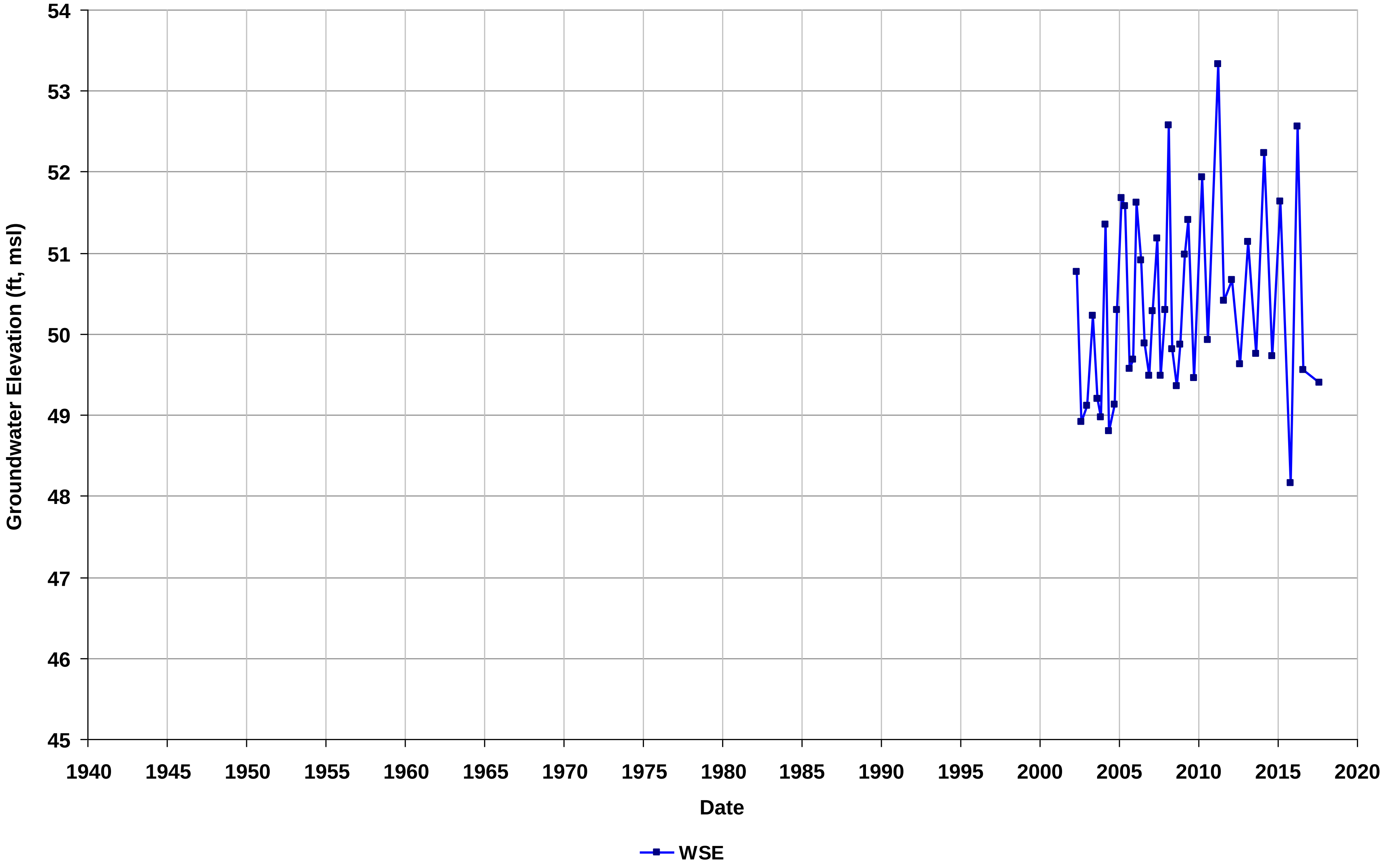
Well Name: T0600100110-A-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



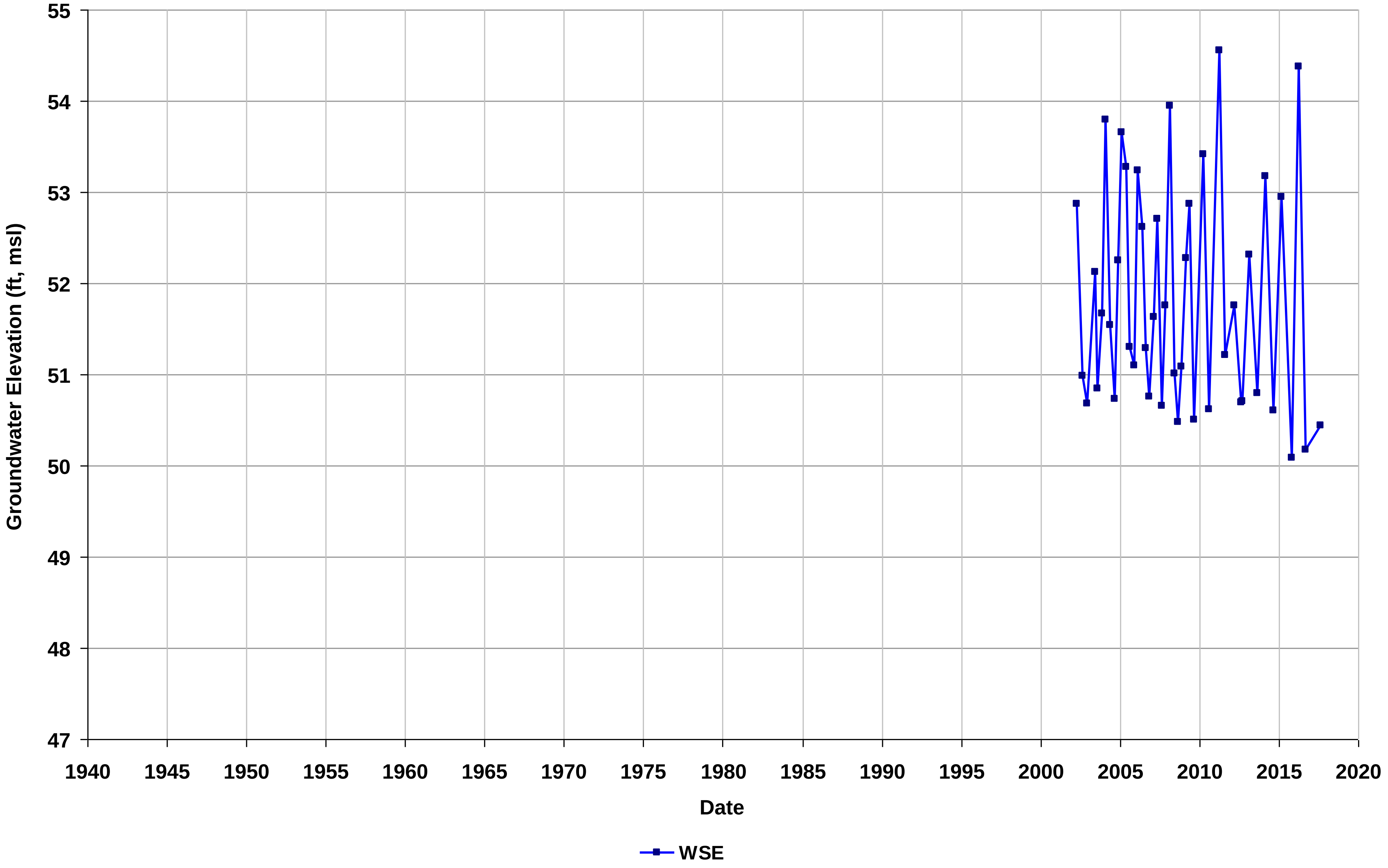
Well Name: T0600100110-A-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



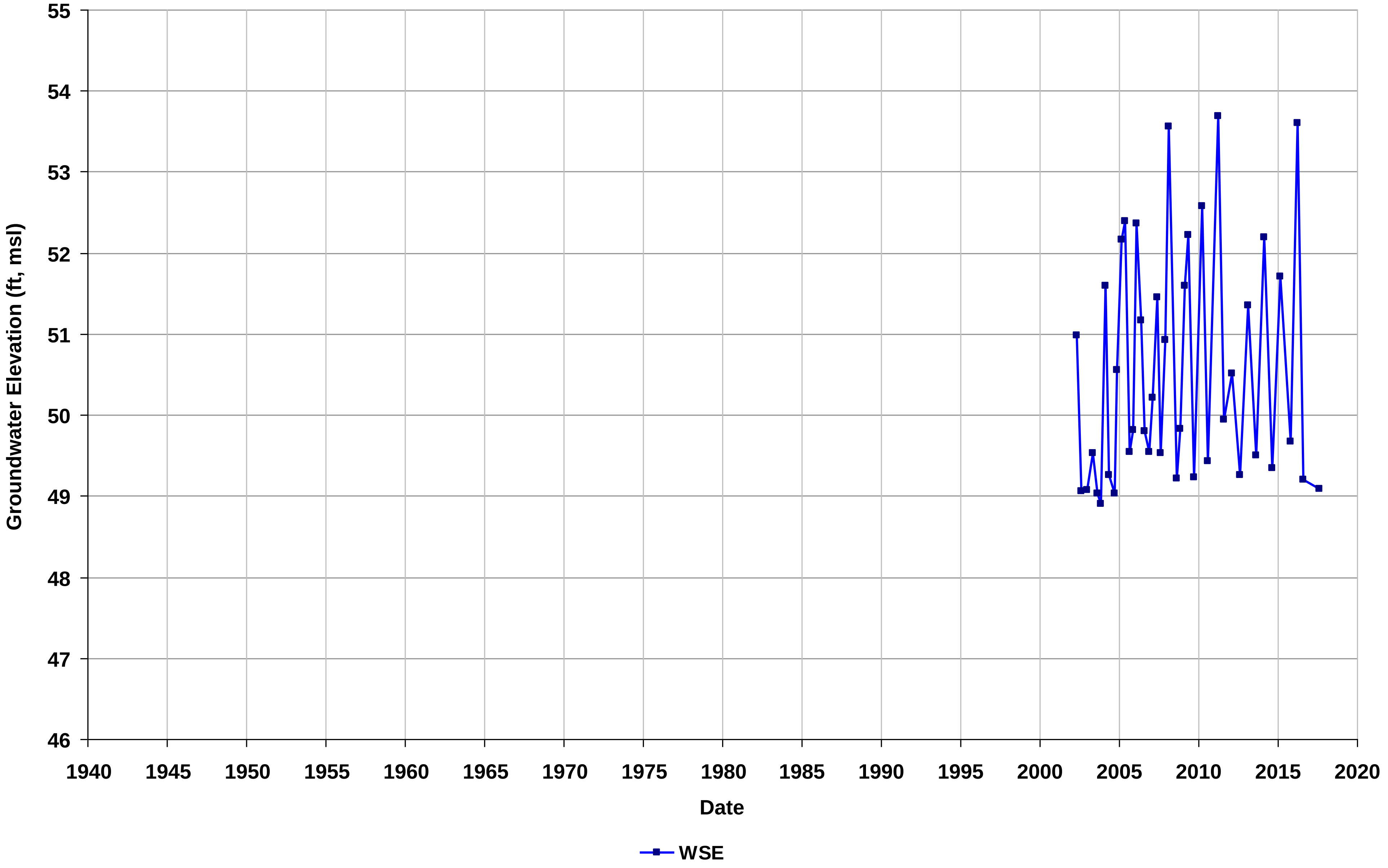
Well Name: T0600100110-A-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



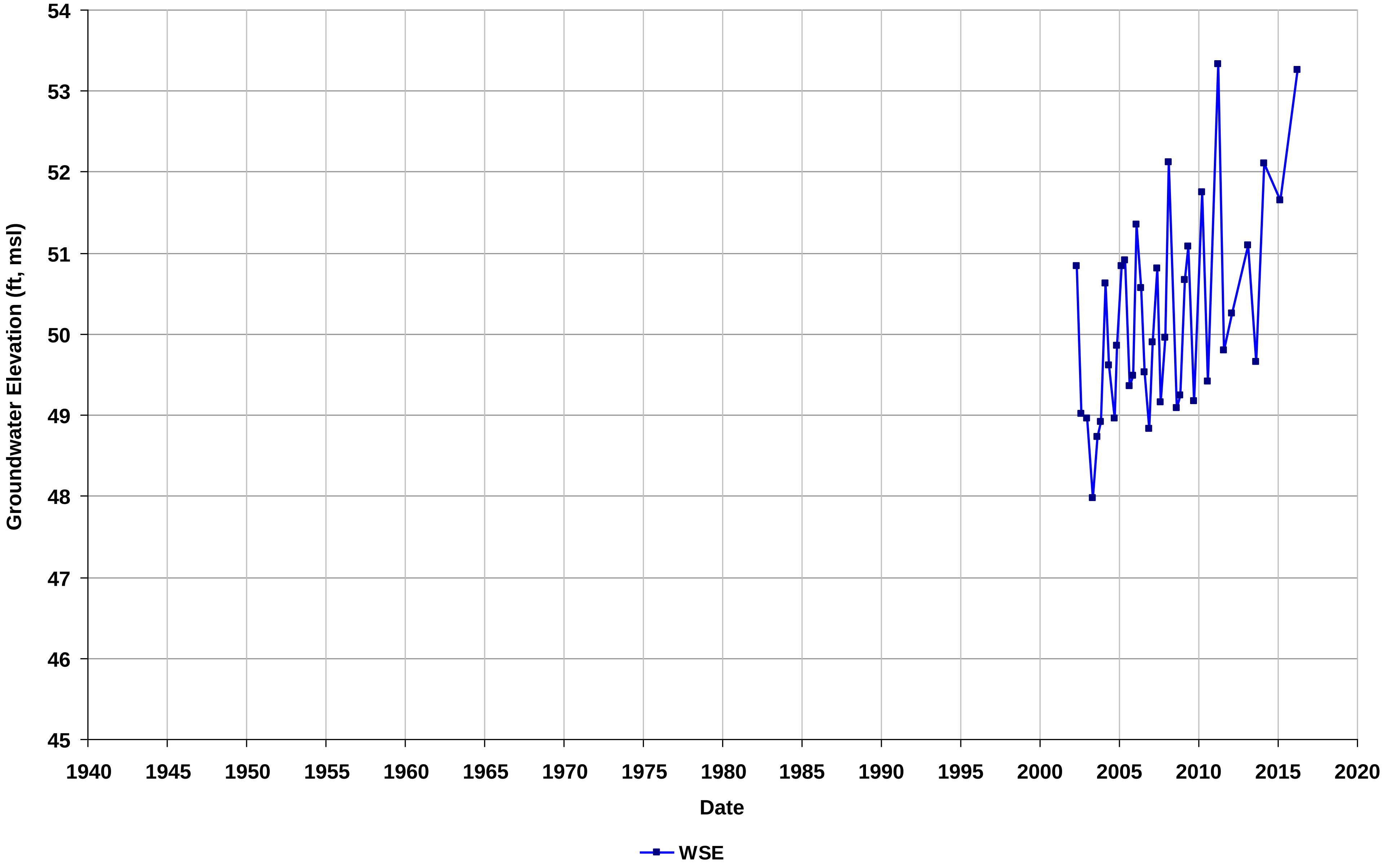
Well Name: T0600100110-A-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



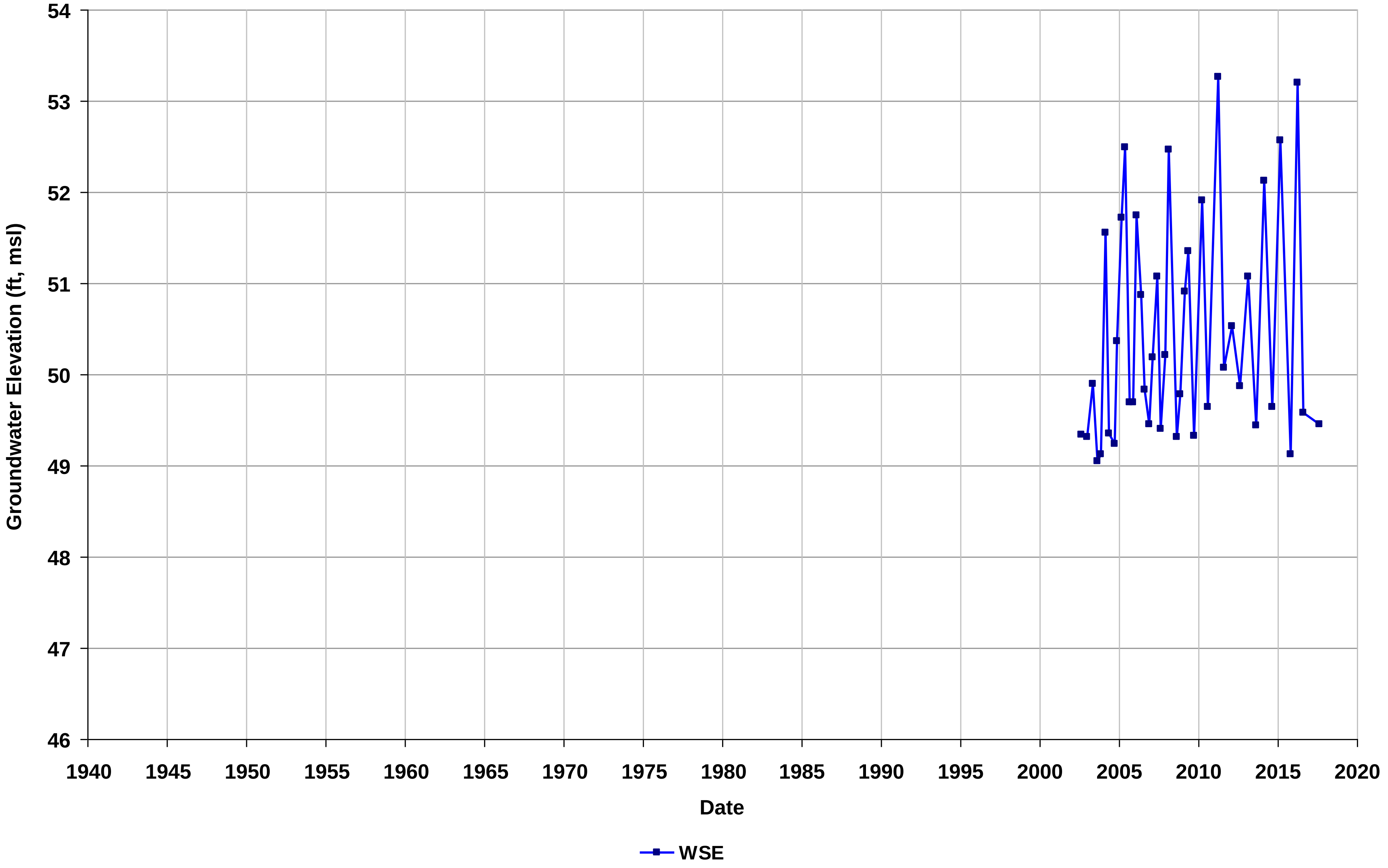
Well Name: T0600100110-A-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



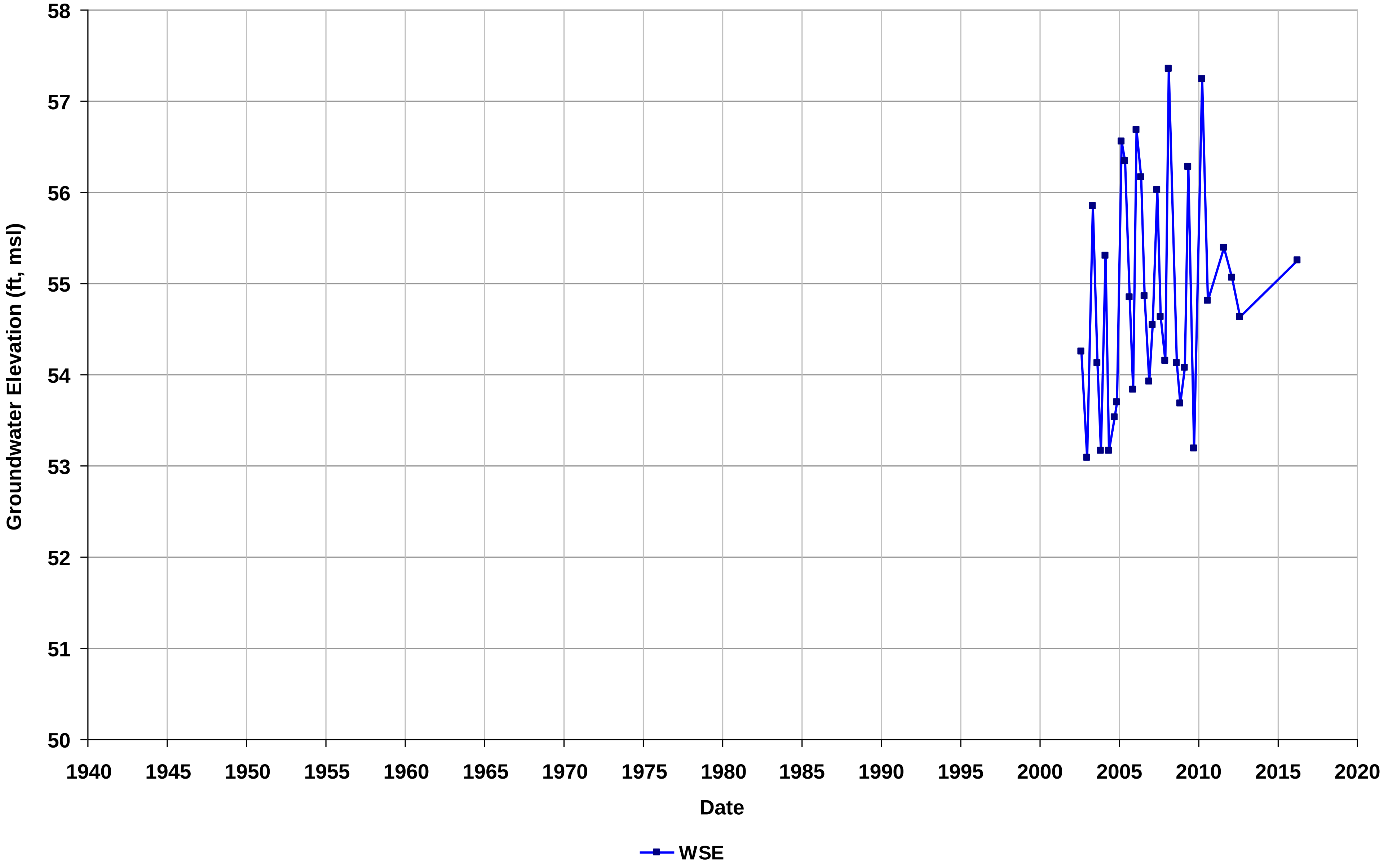
Well Name: T0600100110-AR-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



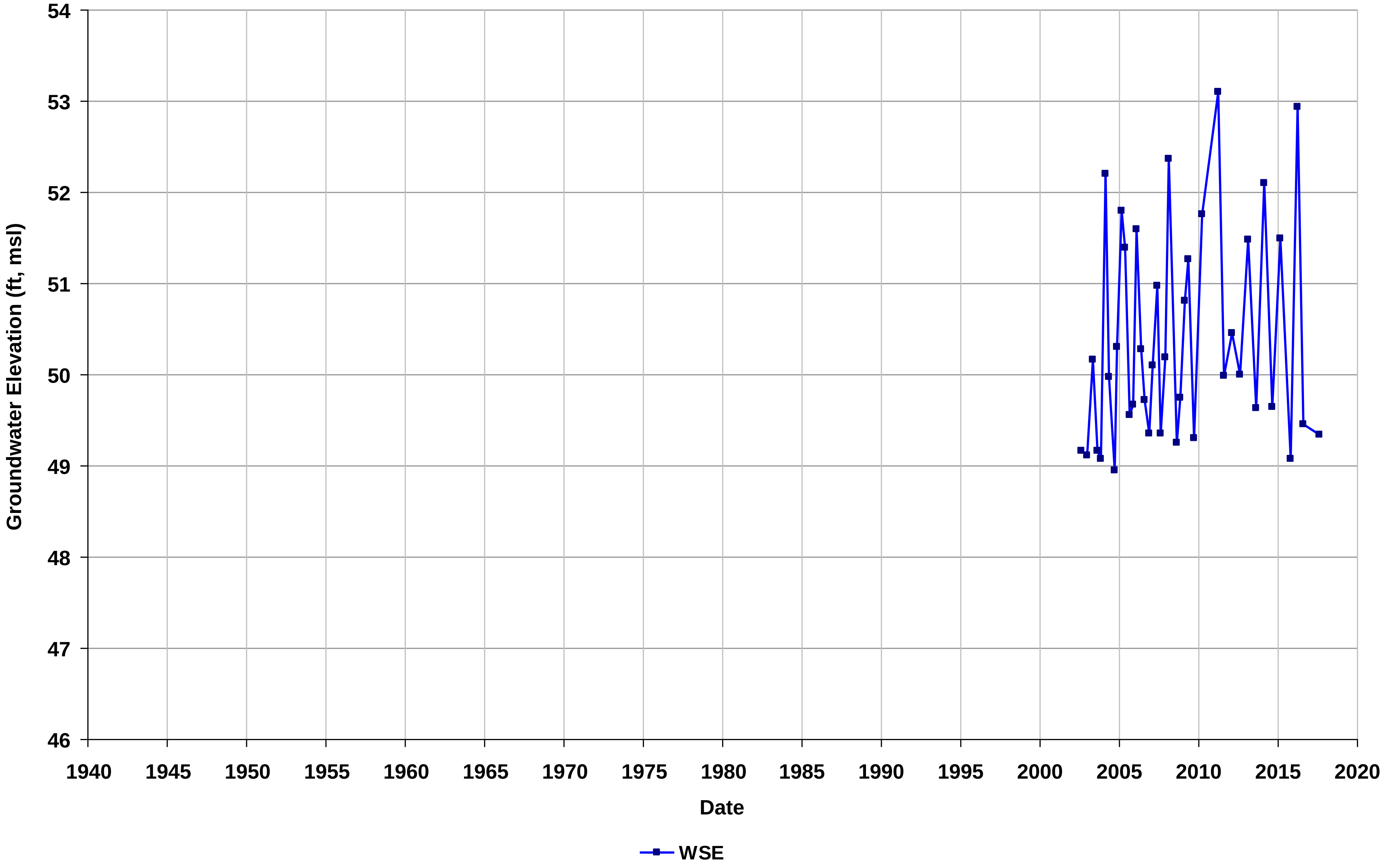
Well Name: T0600100110-AR-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



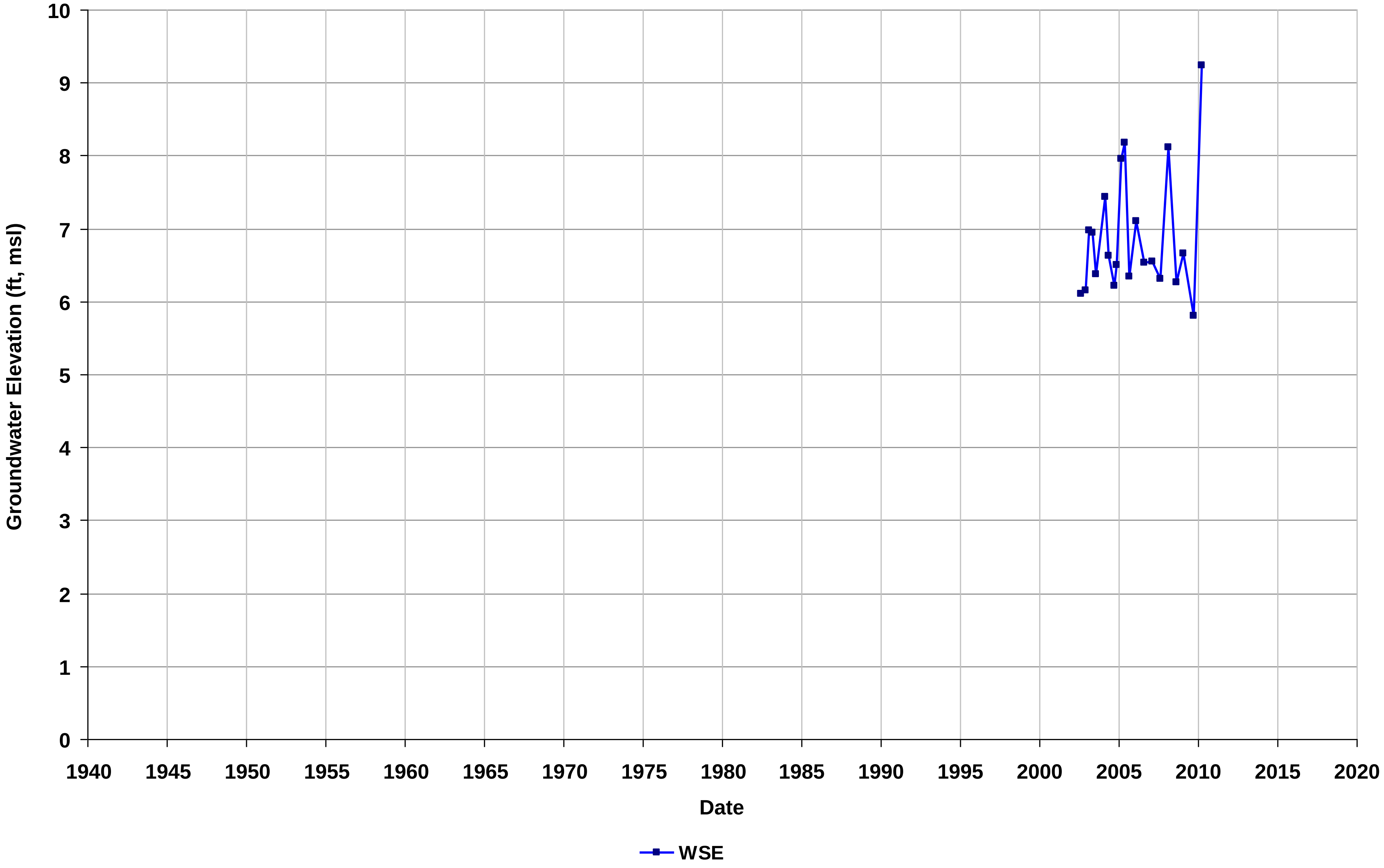
Well Name: T0600100110-AR-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



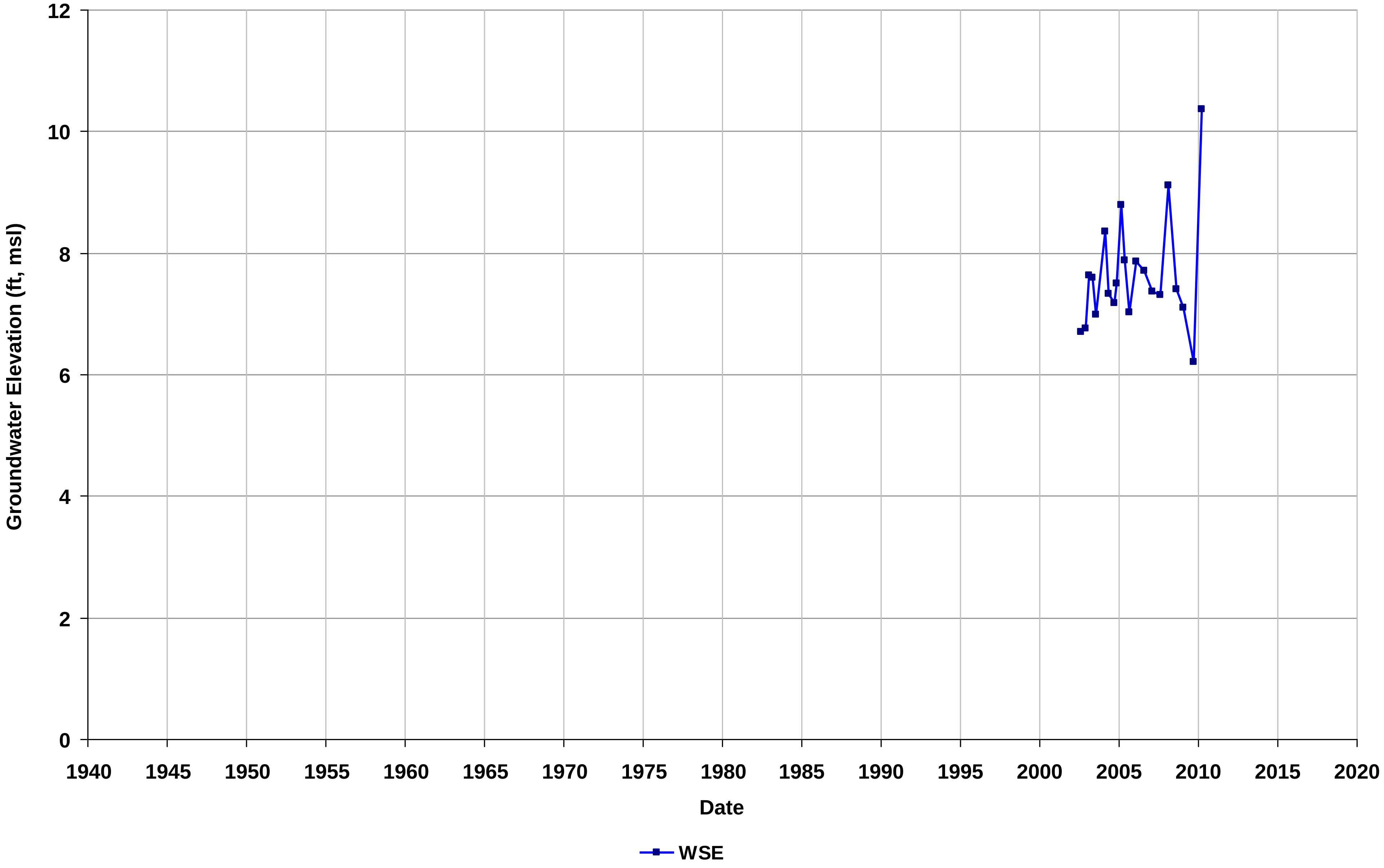
Well Name: T0600100112-A-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/26
Well Use: Observation



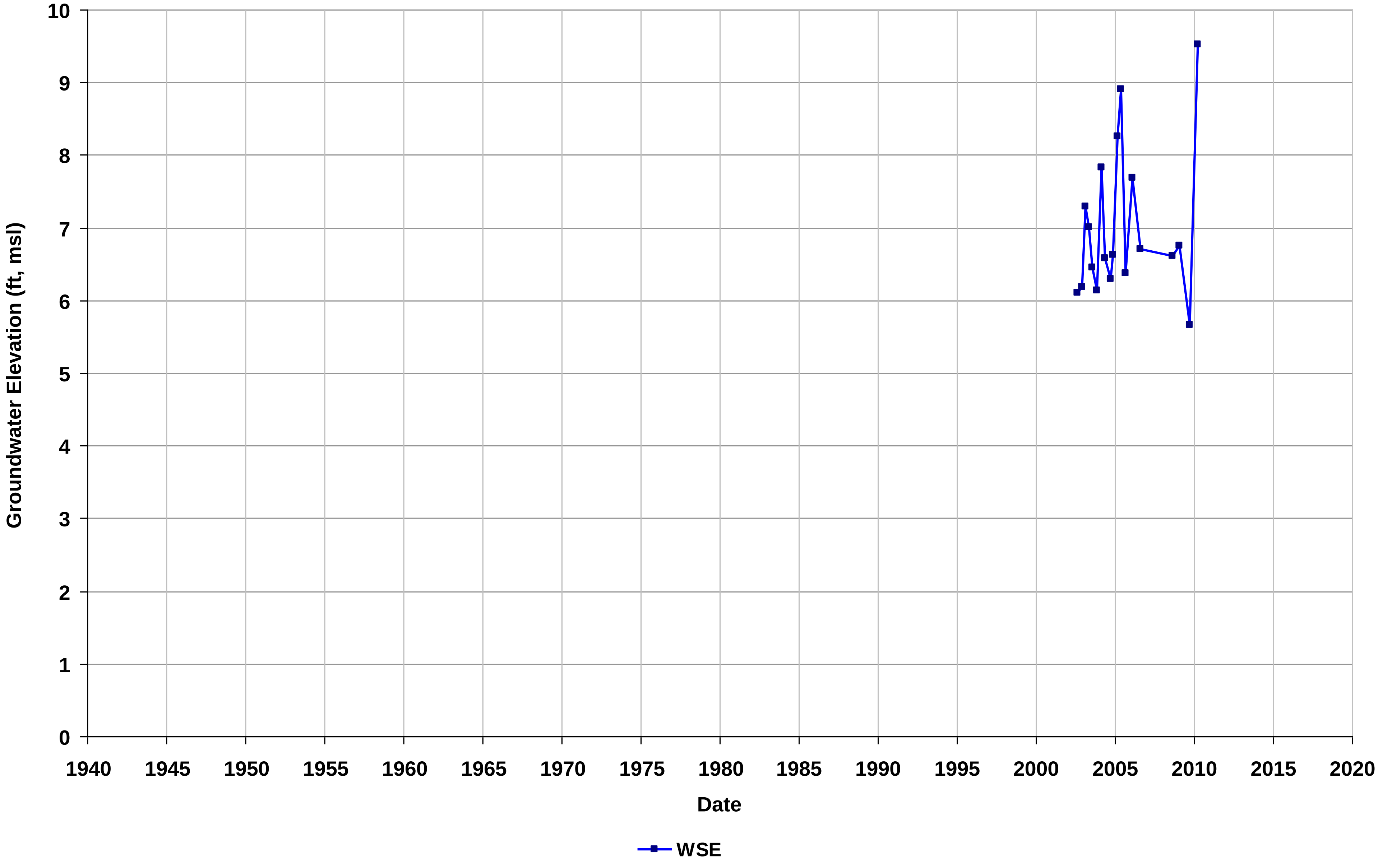
Well Name: T0600100112-A-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/26
Well Use: Observation



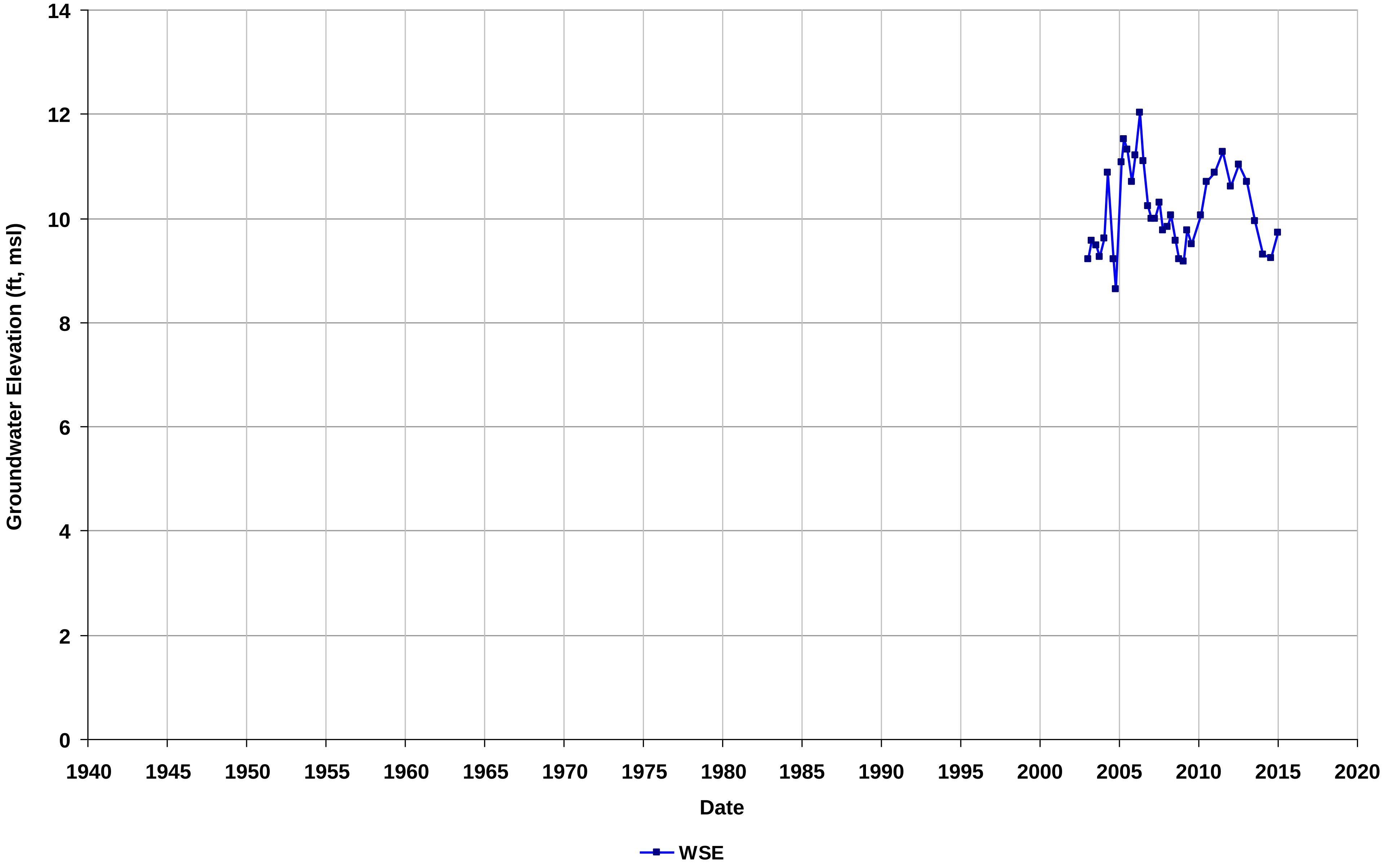
Well Name: T0600100112-AR-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/26
Well Use: Observation



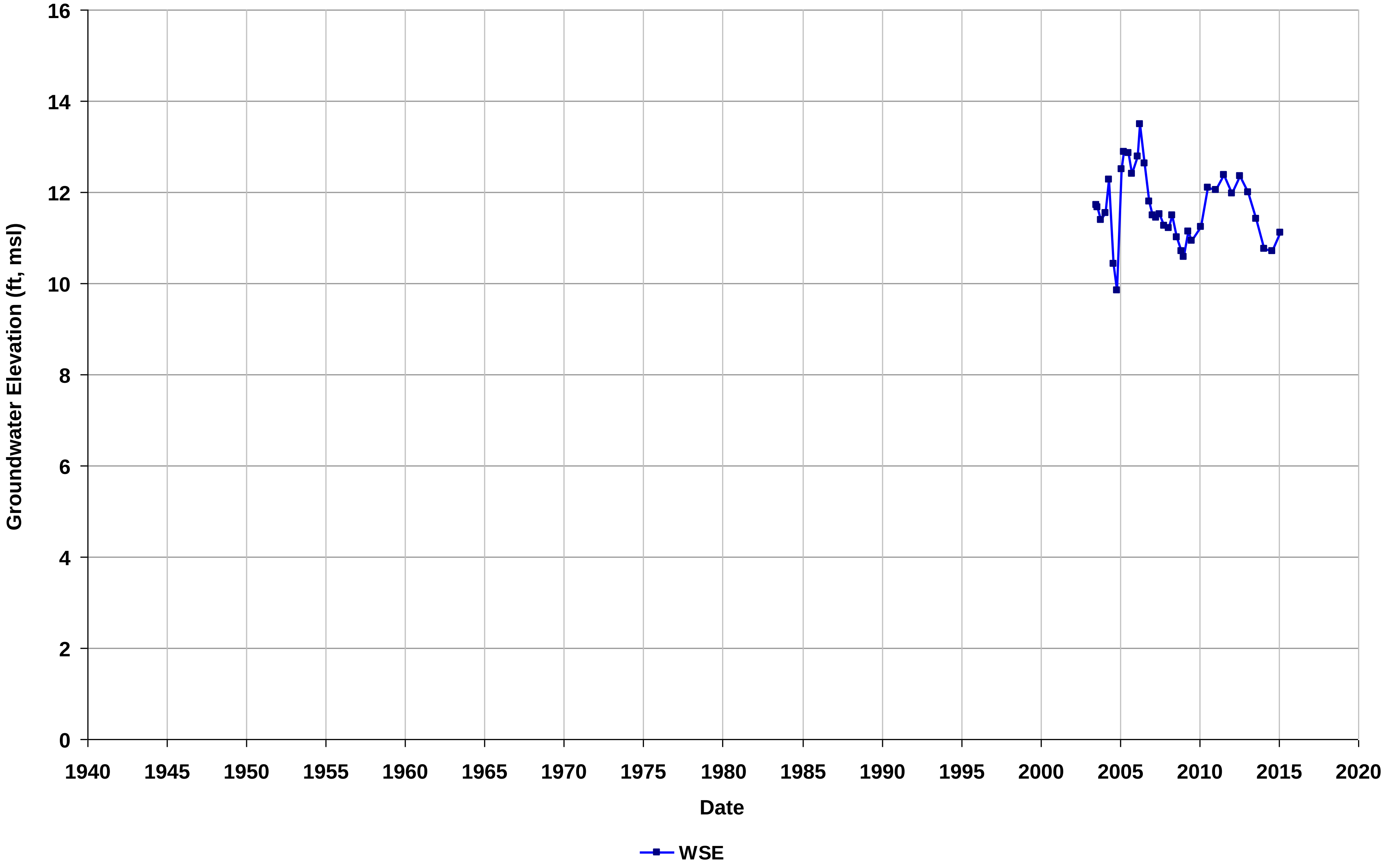
Well Name: T0600100140-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/35
Well Use: Observation



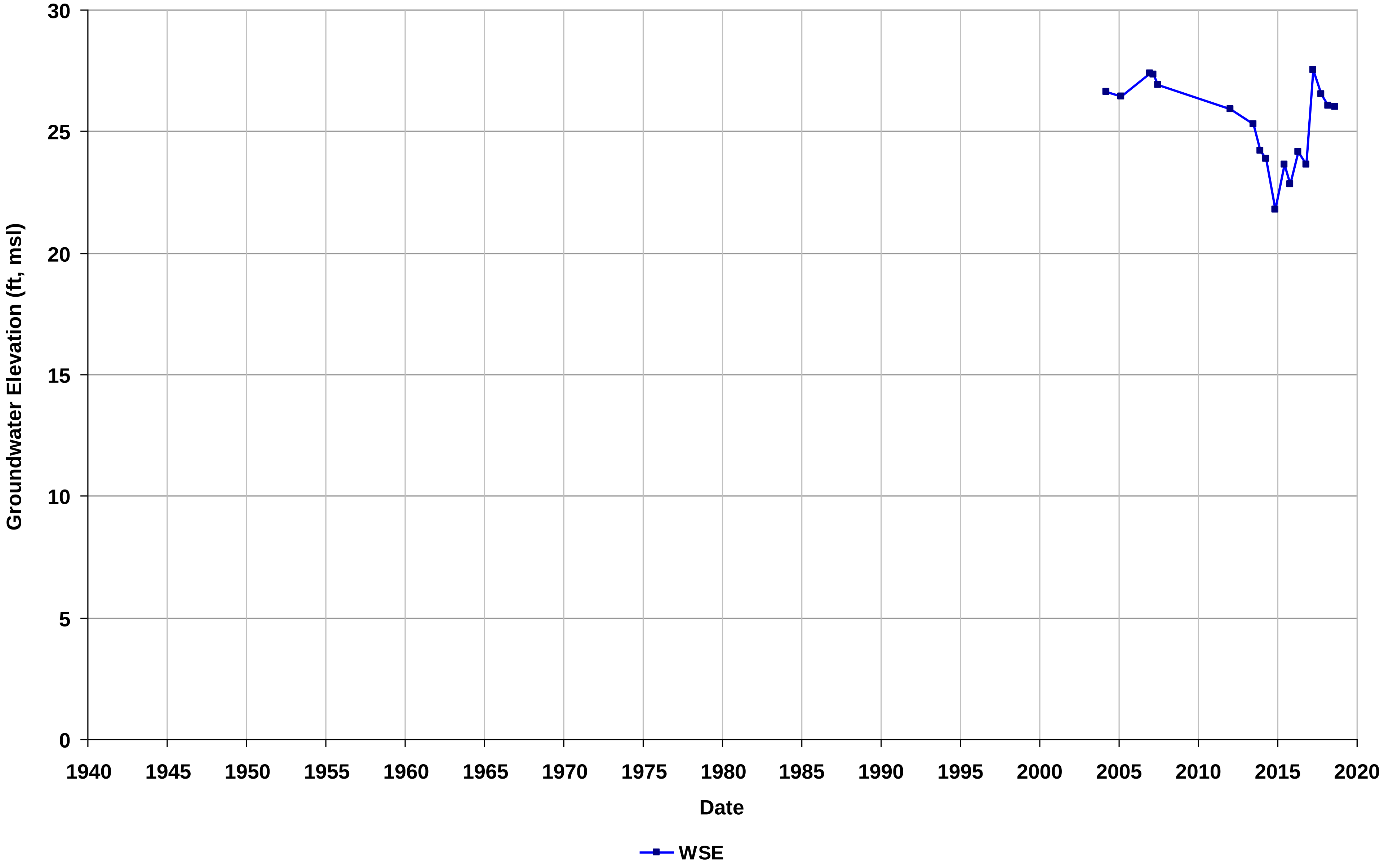
Well Name: T0600100140-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/35
Well Use: Observation



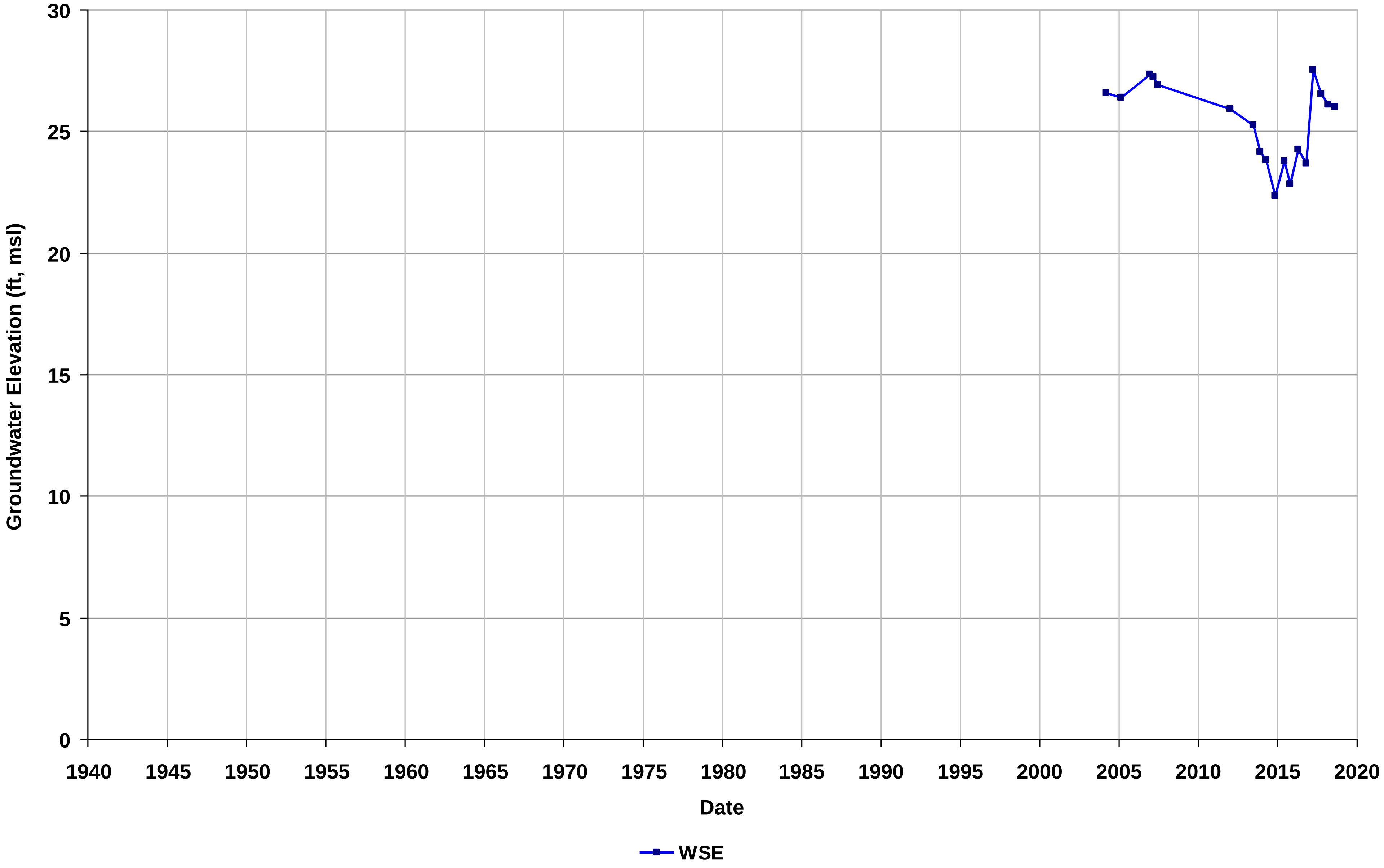
Well Name: T0600100148-MW-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



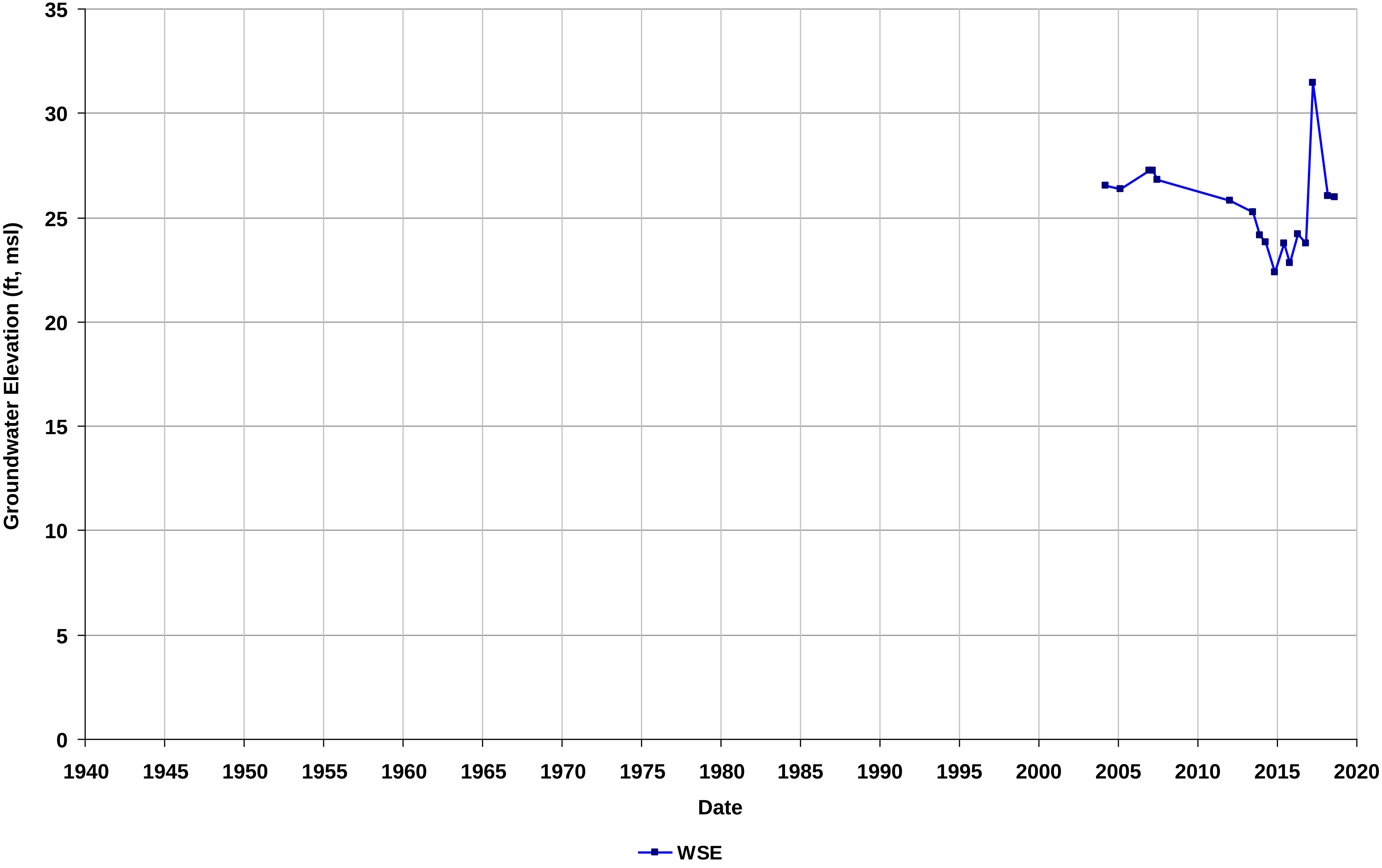
Well Name: T0600100148-MW-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



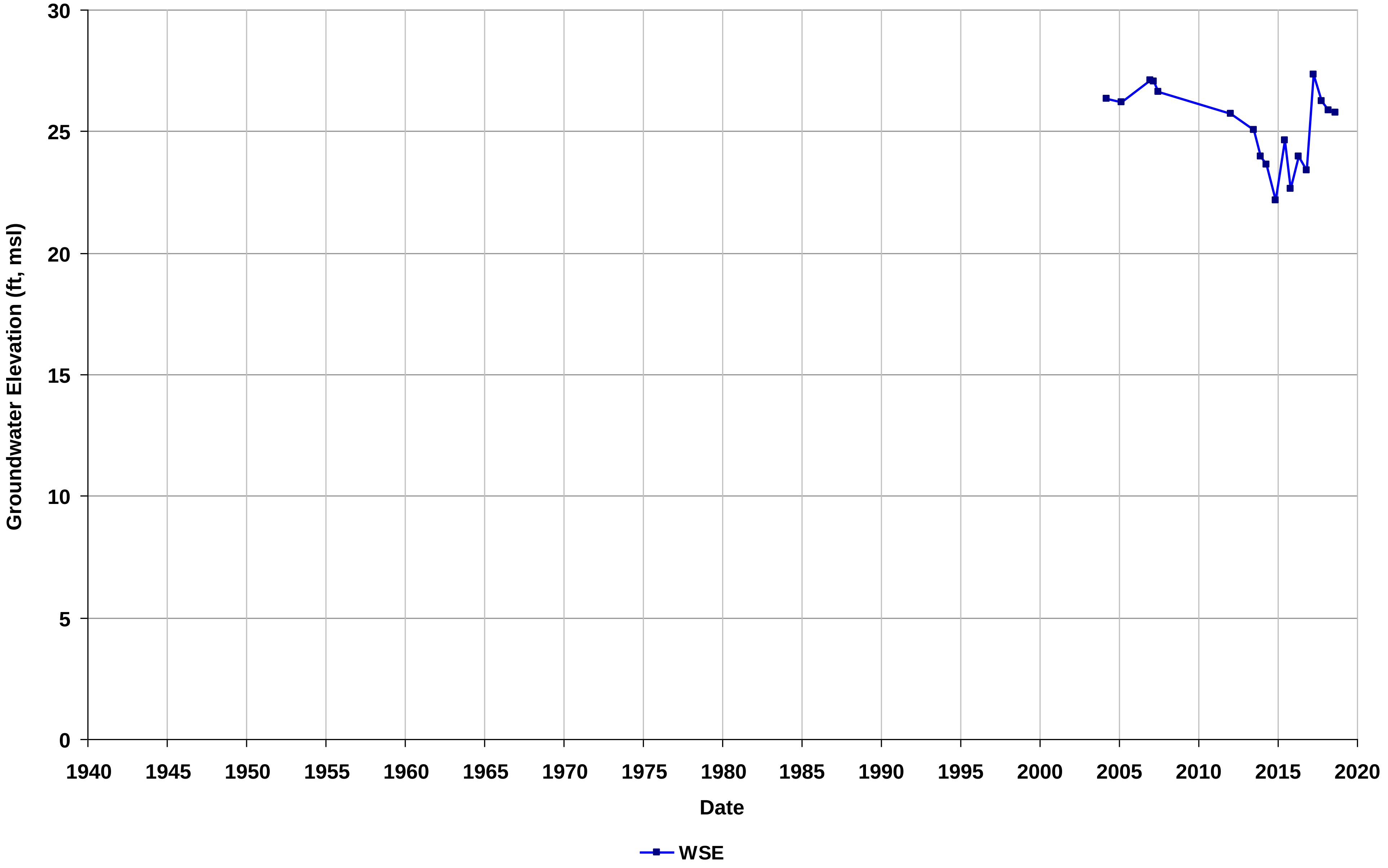
Well Name: T0600100148-MW-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



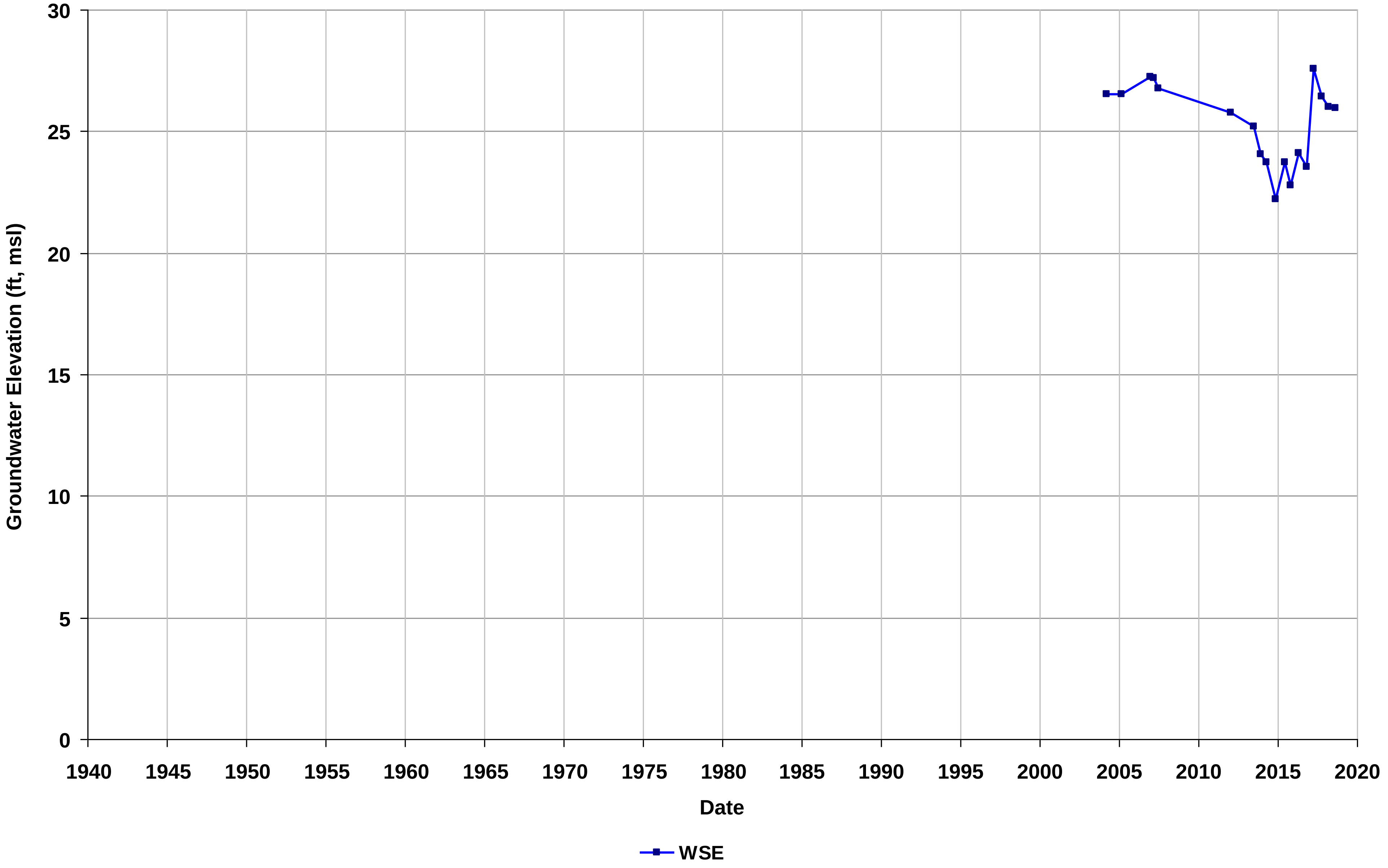
Well Name: T0600100148-MW-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



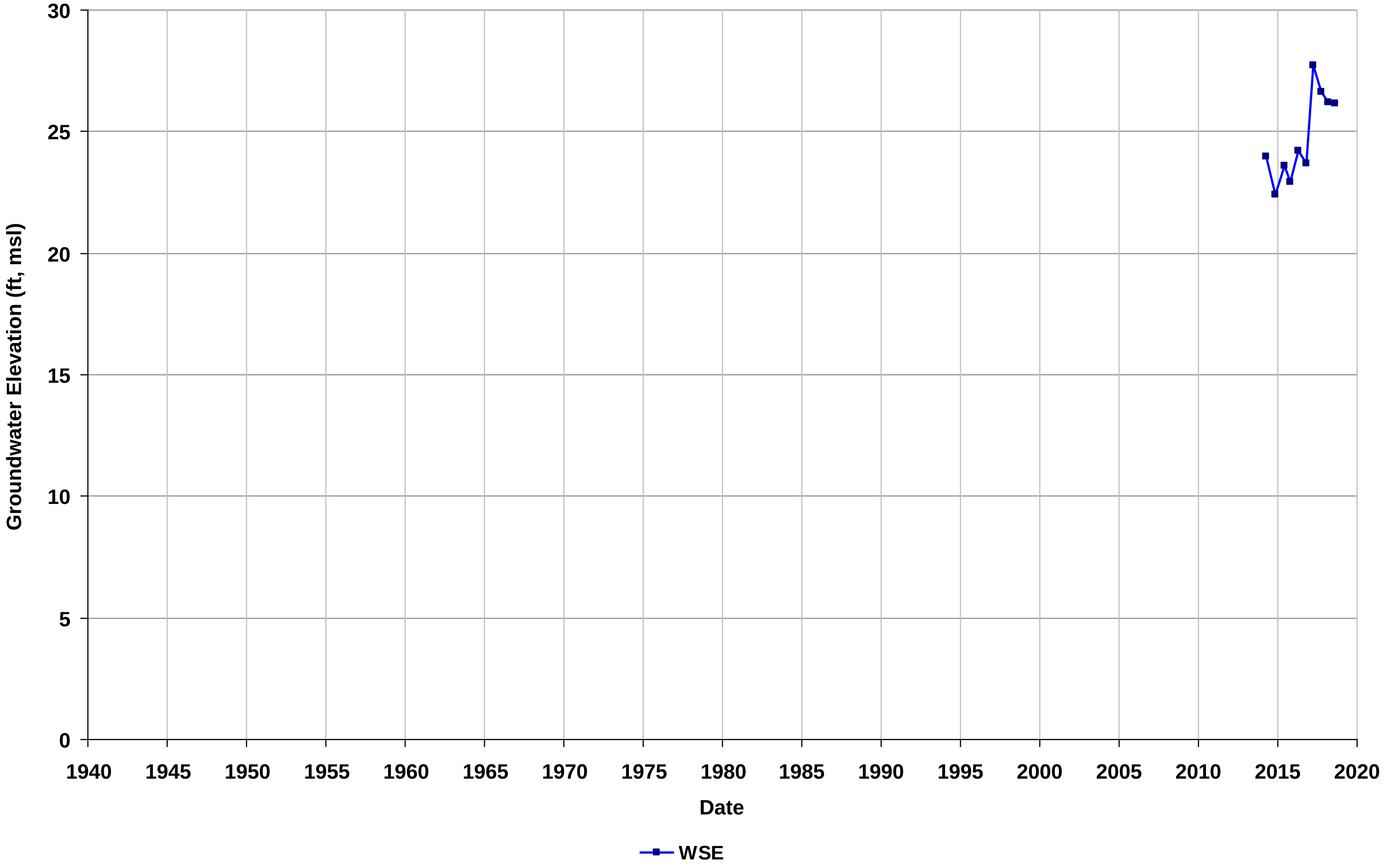
Well Name: T0600100148-MW-5
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



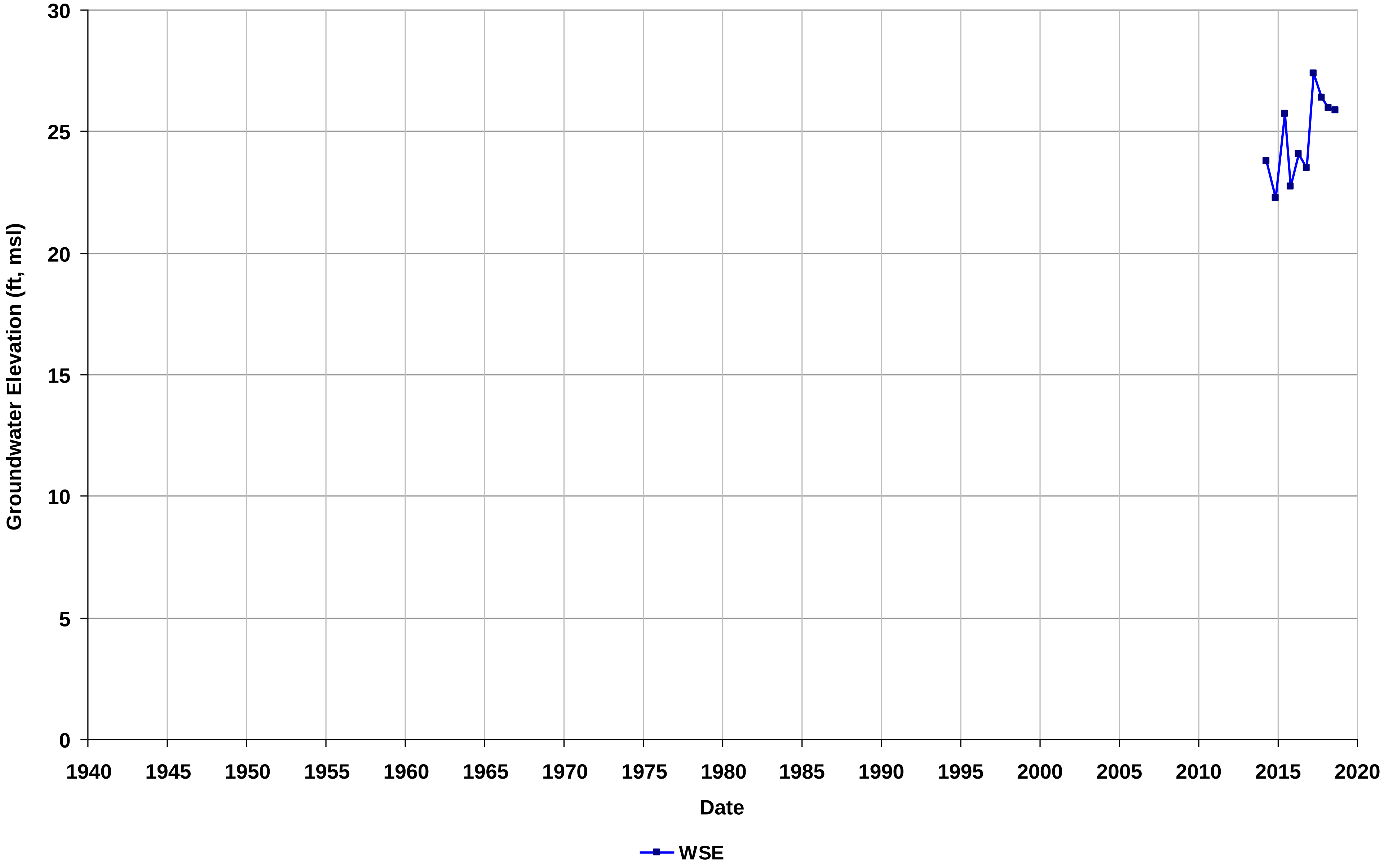
Well Name: T0600100148-MW-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



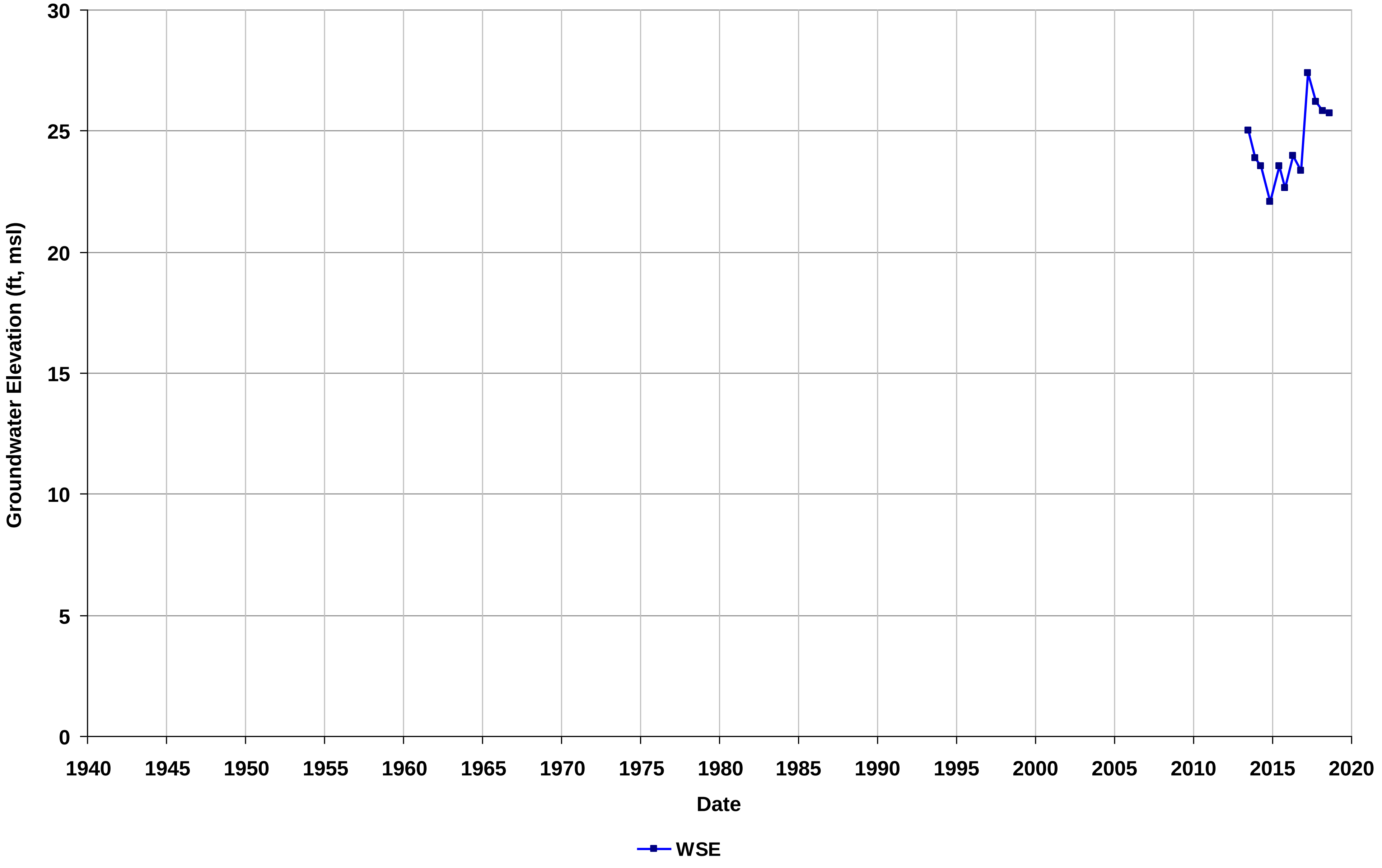
Well Name: T0600100148-MW-7
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



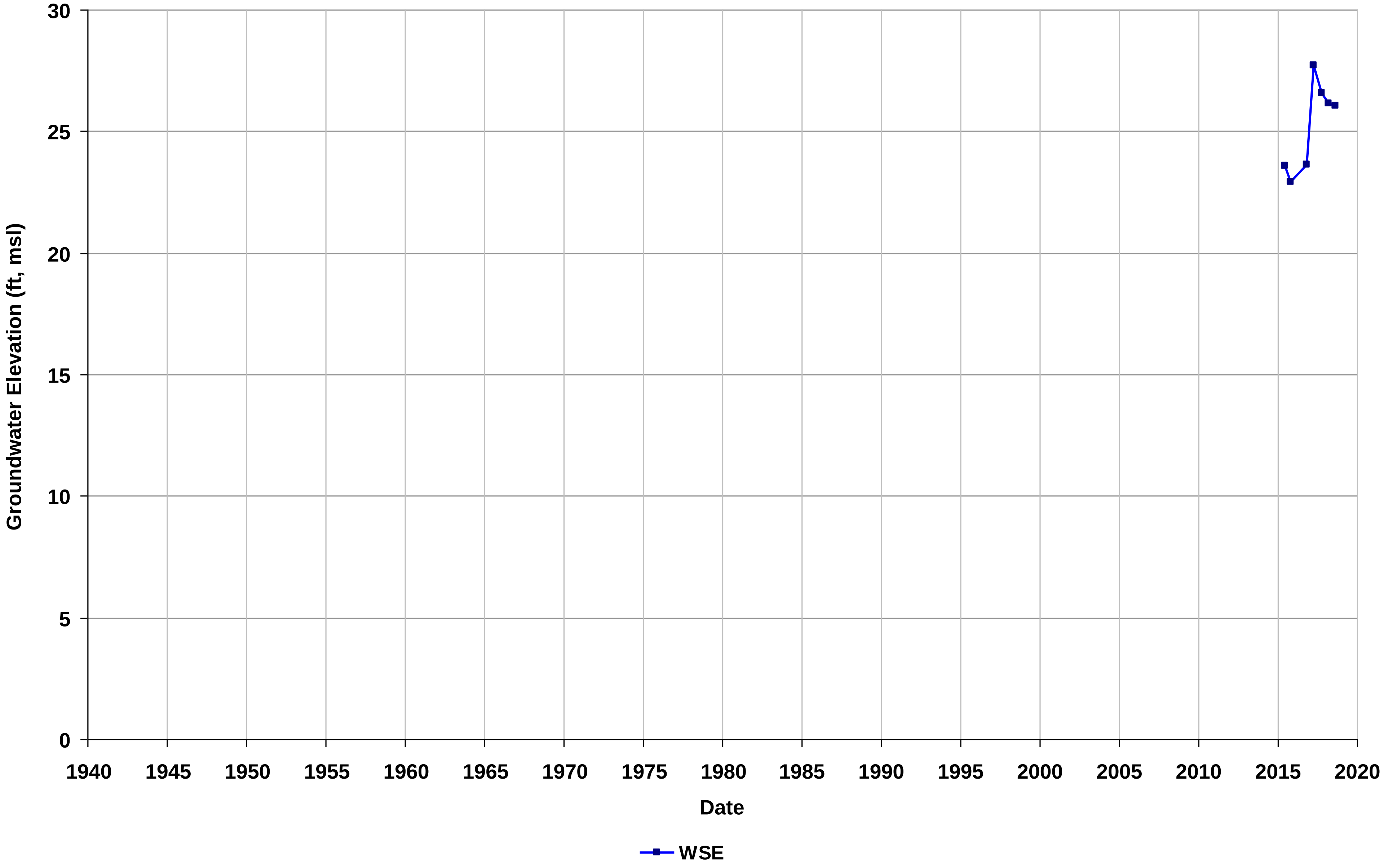
Well Name: T0600100148-MW-8
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



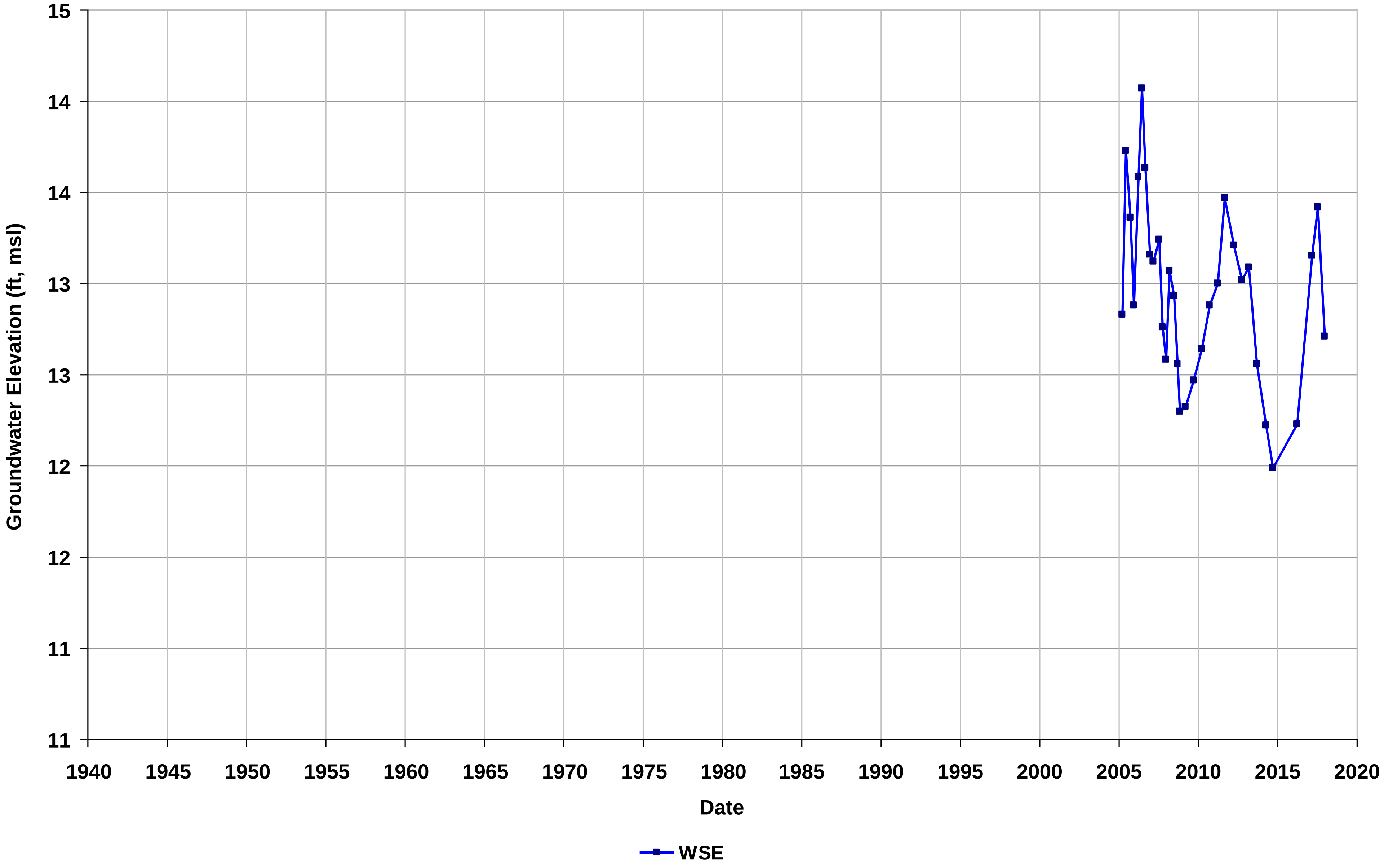
Well Name: T0600100148-MW-9
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



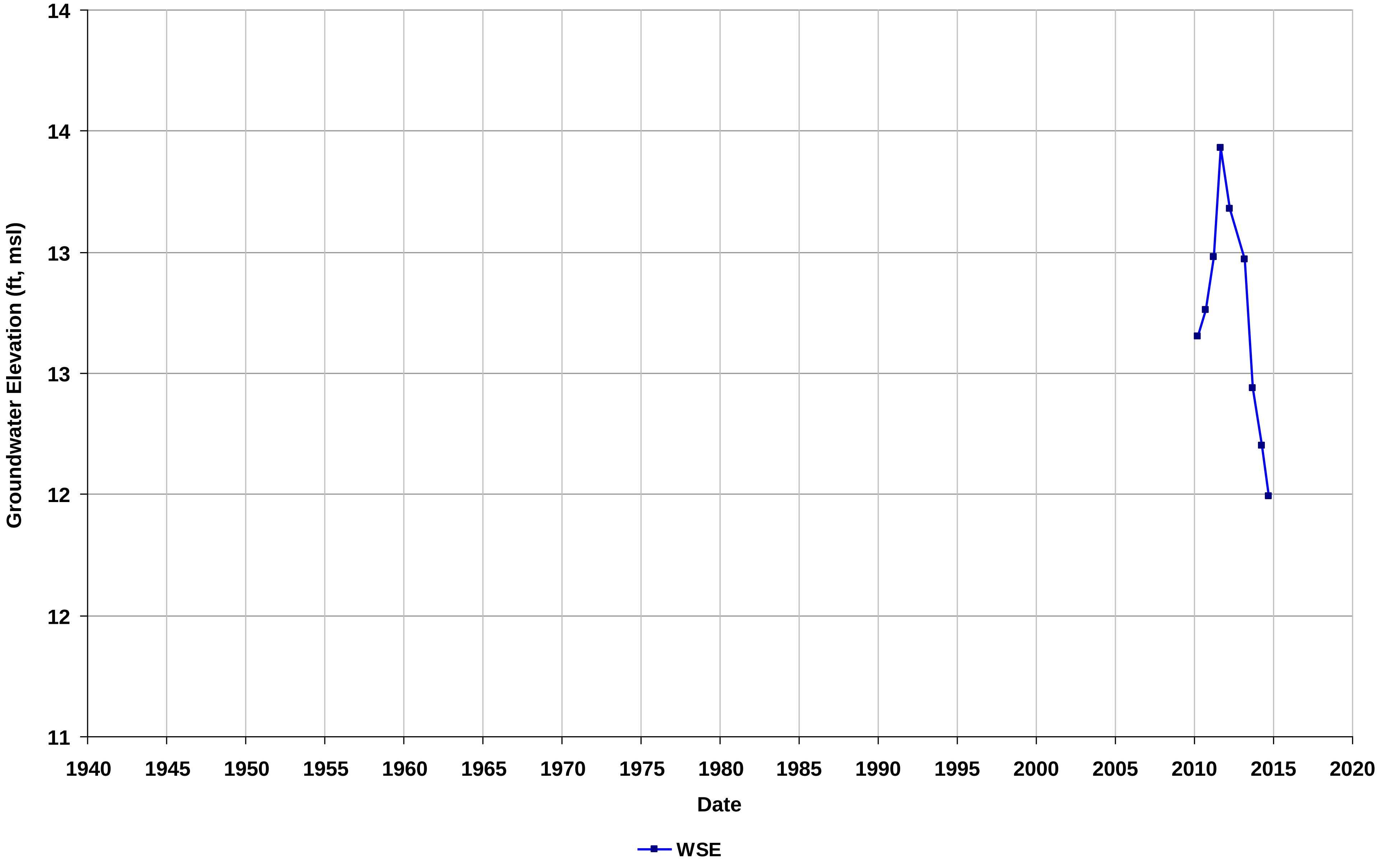
Well Name: T0600100196-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/35
Well Use: Observation



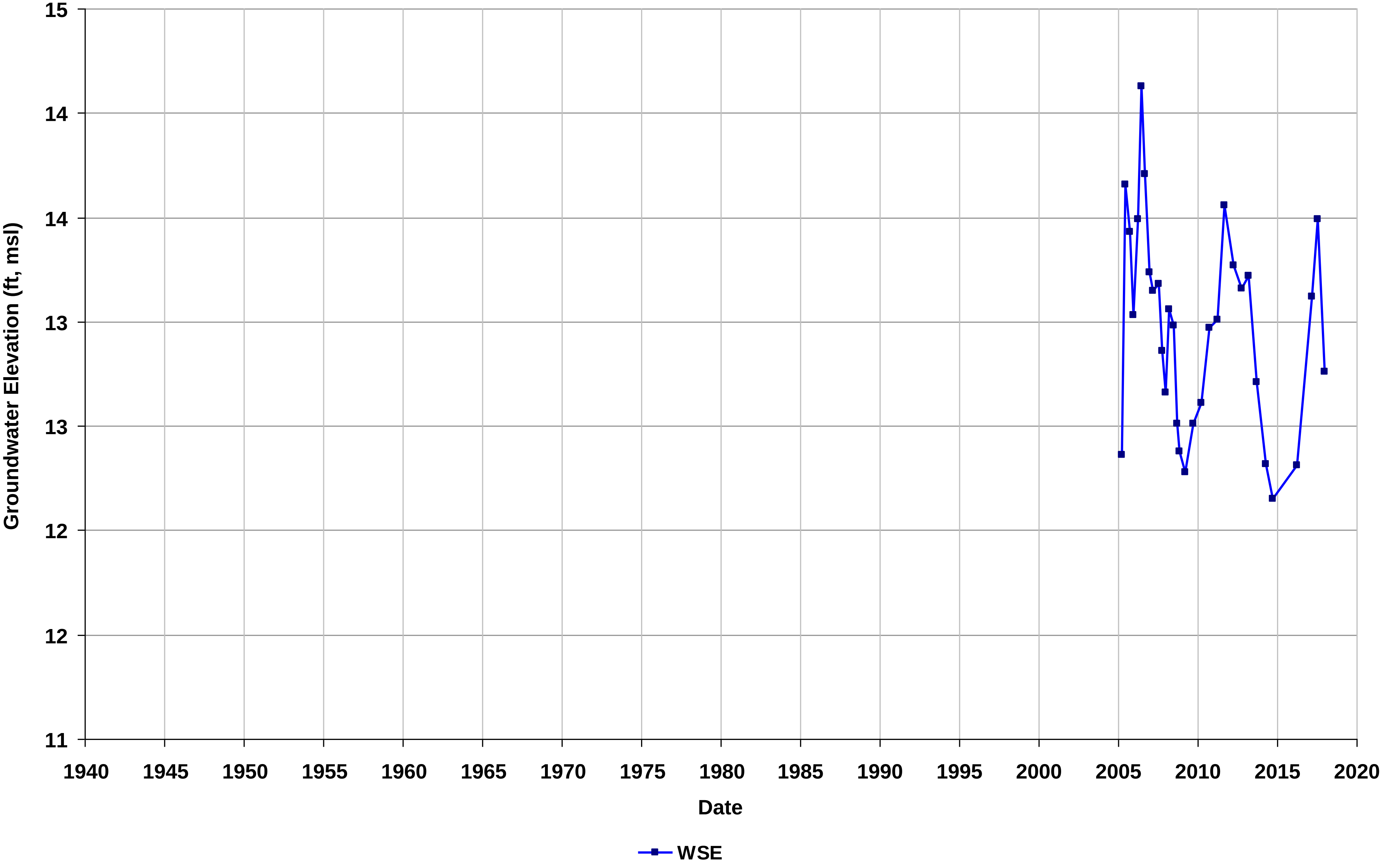
Well Name: T0600100196-MW-1A
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/35
Well Use: Observation



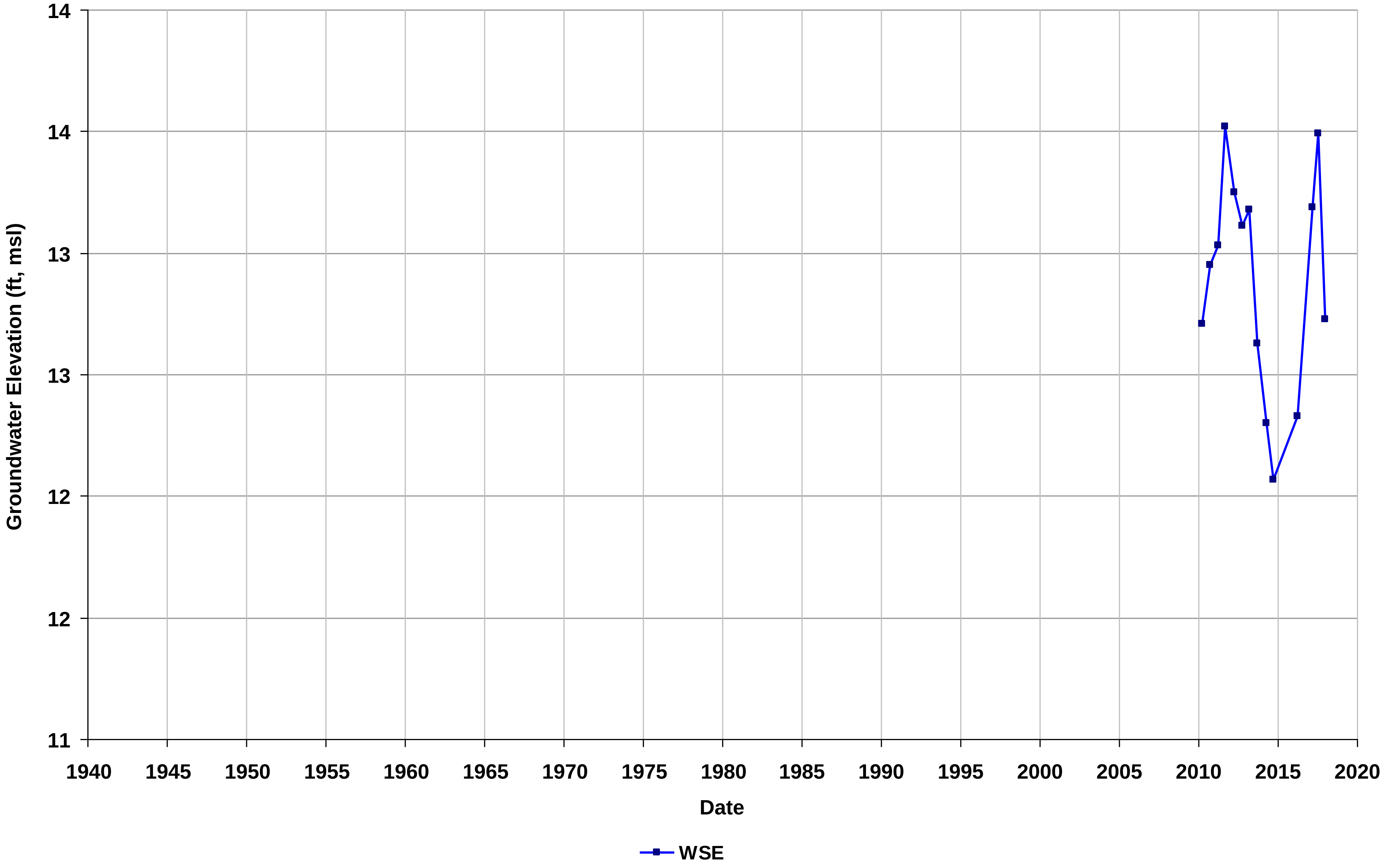
Well Name: T0600100196-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/35
Well Use: Observation



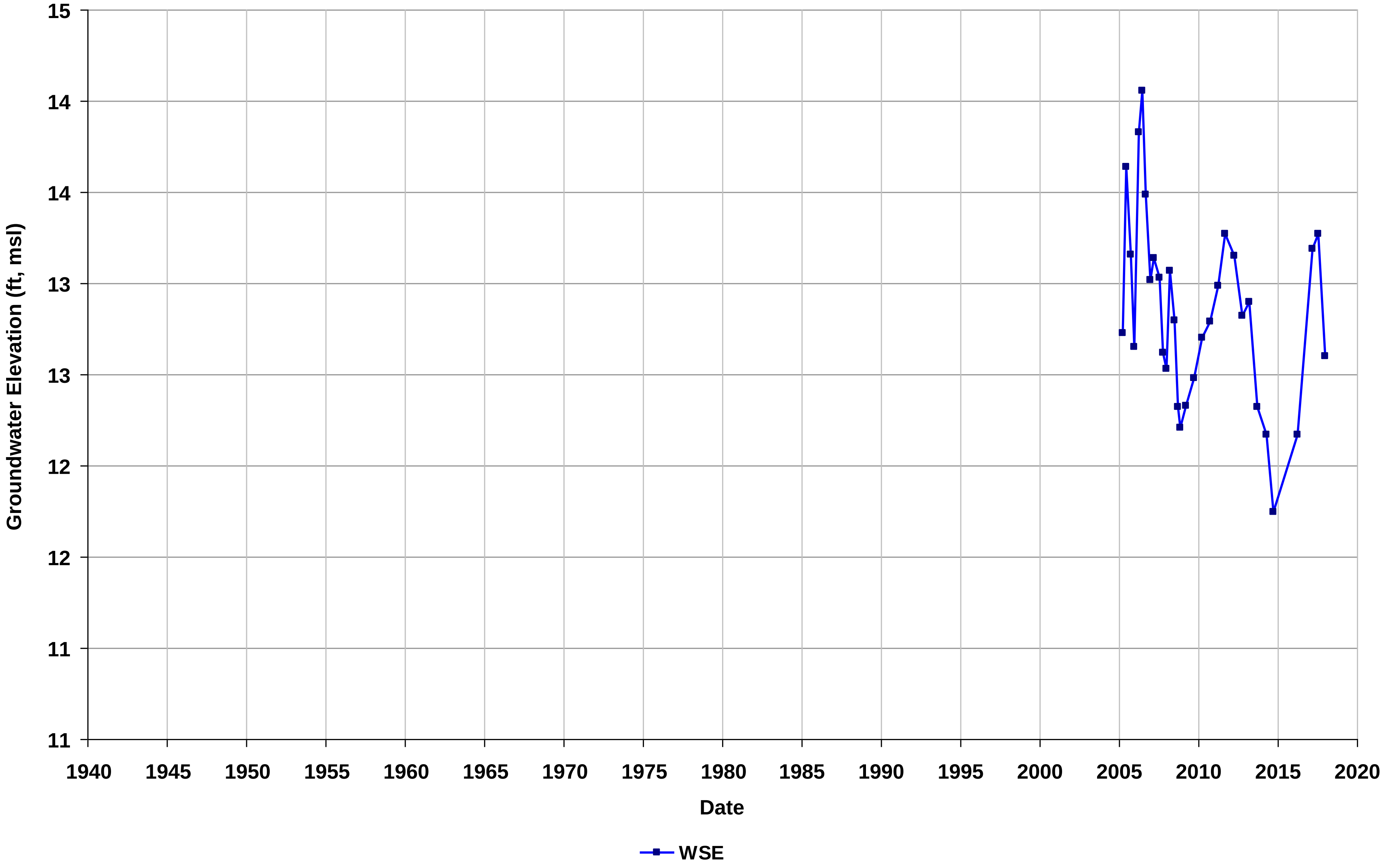
Well Name: T0600100196-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/35
Well Use: Observation



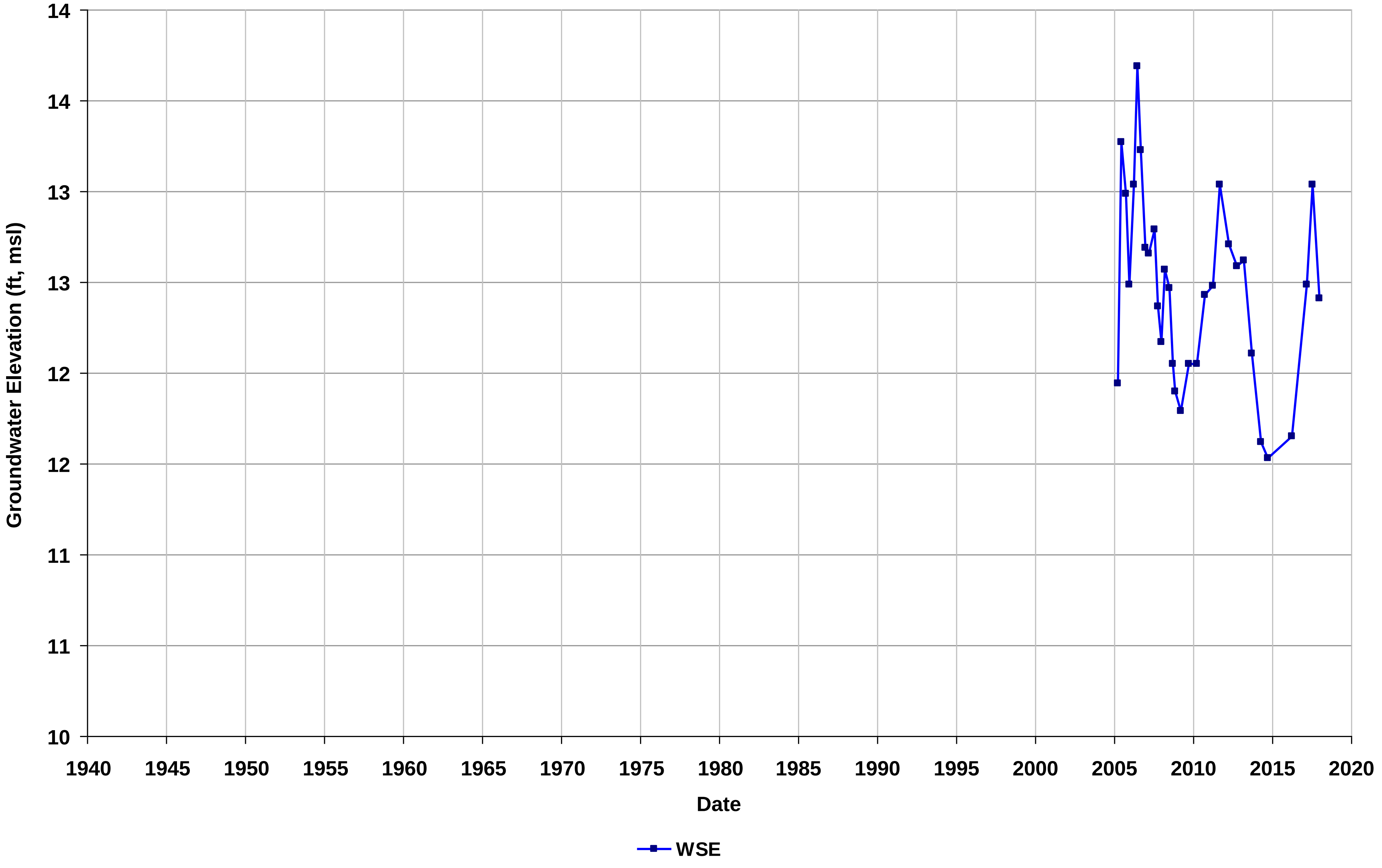
Well Name: T0600100196-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/26
Well Use: Observation



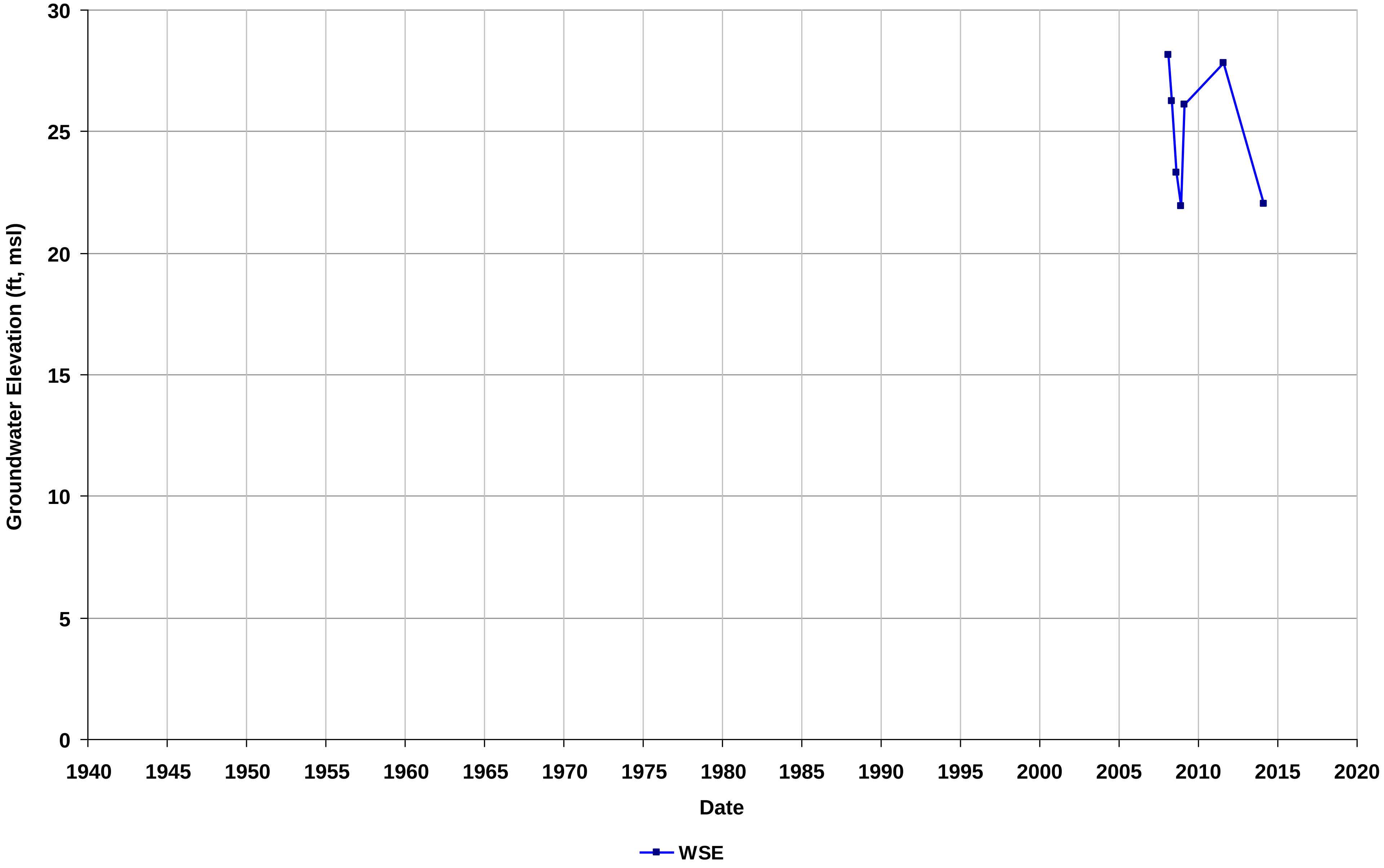
Well Name: T0600100196-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/35
Well Use: Observation



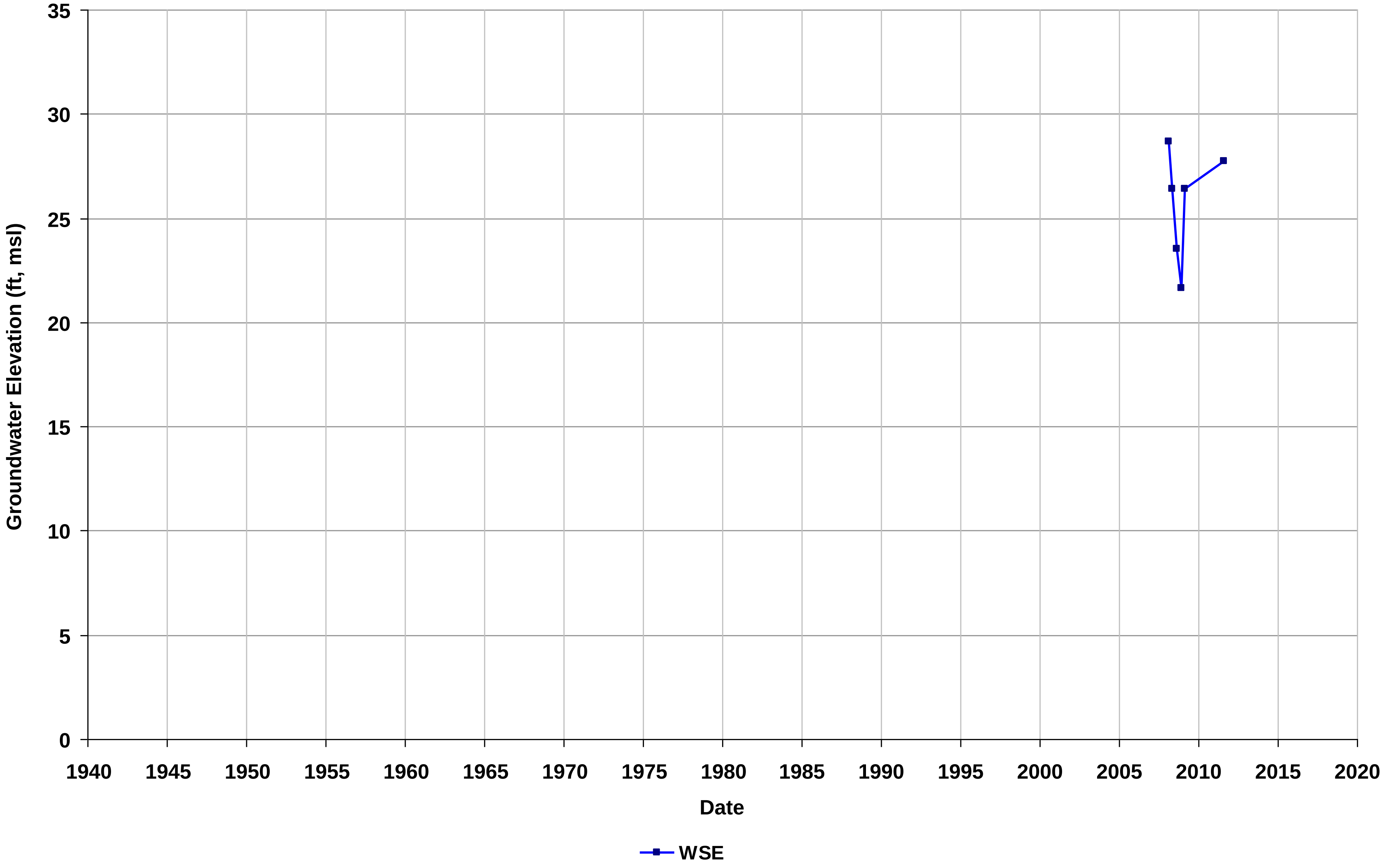
Well Name: T0600100201-DPE-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



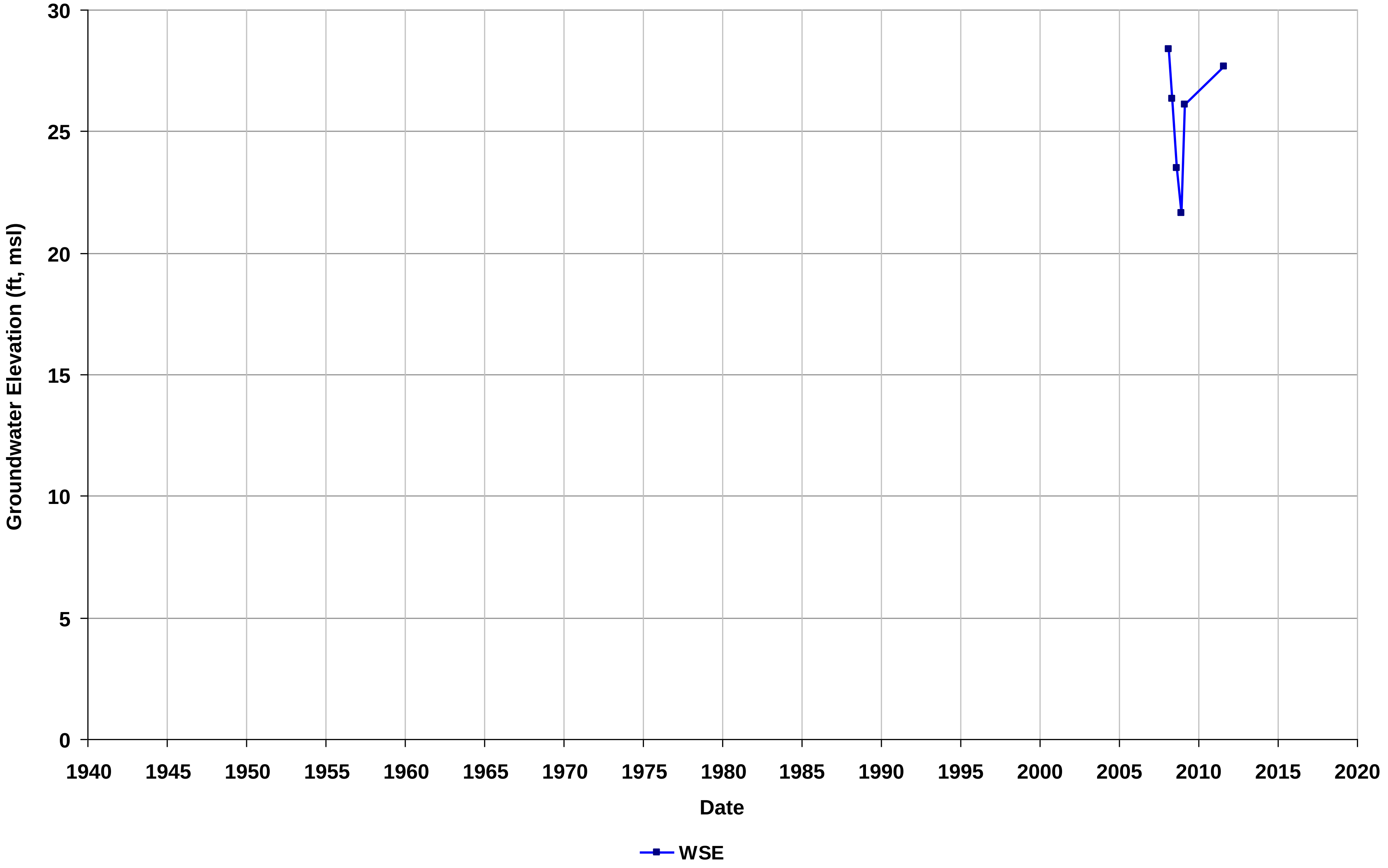
Well Name: T0600100201-DPE-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



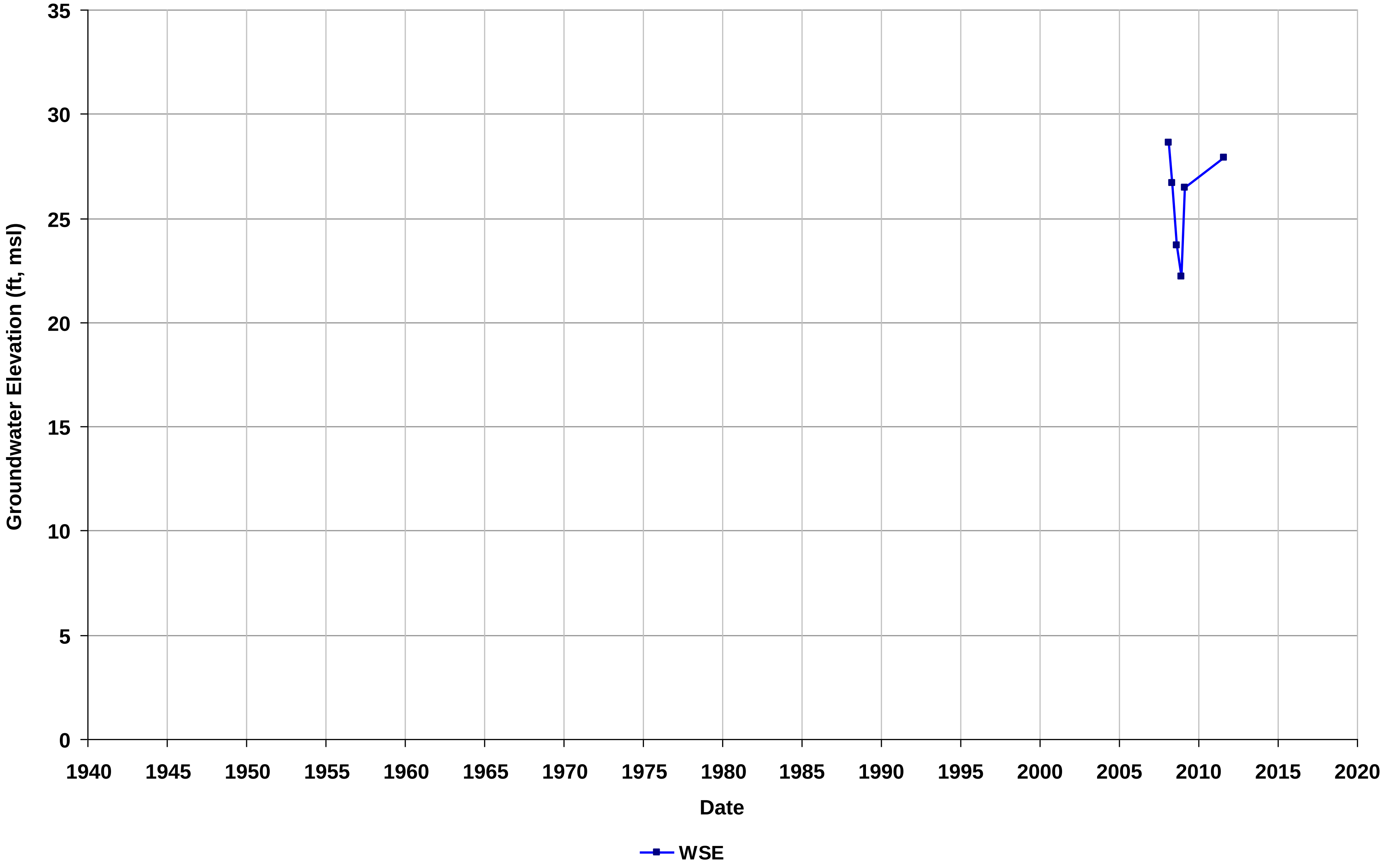
Well Name: T0600100201-DPE-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



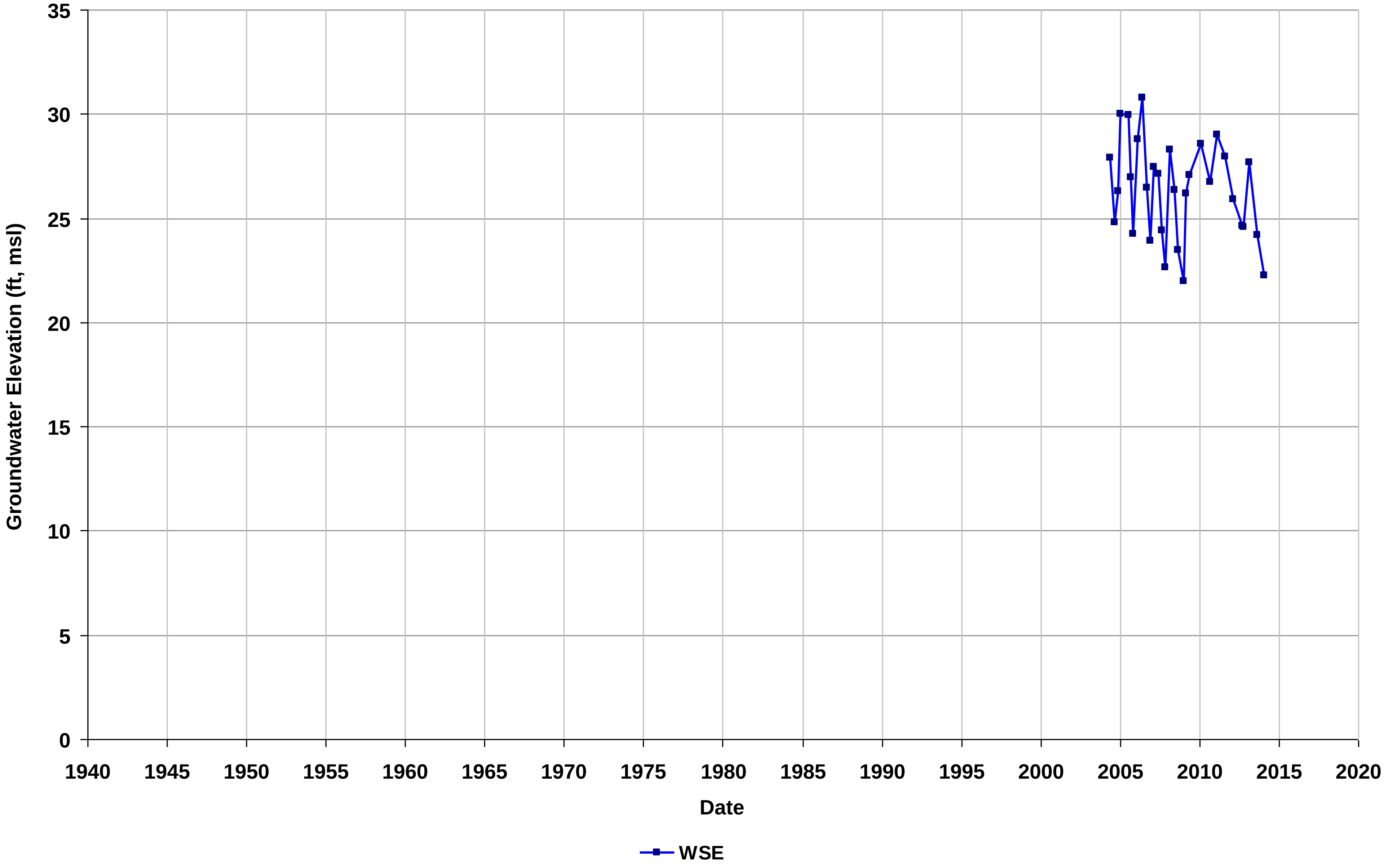
Well Name: T0600100201-DPE-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



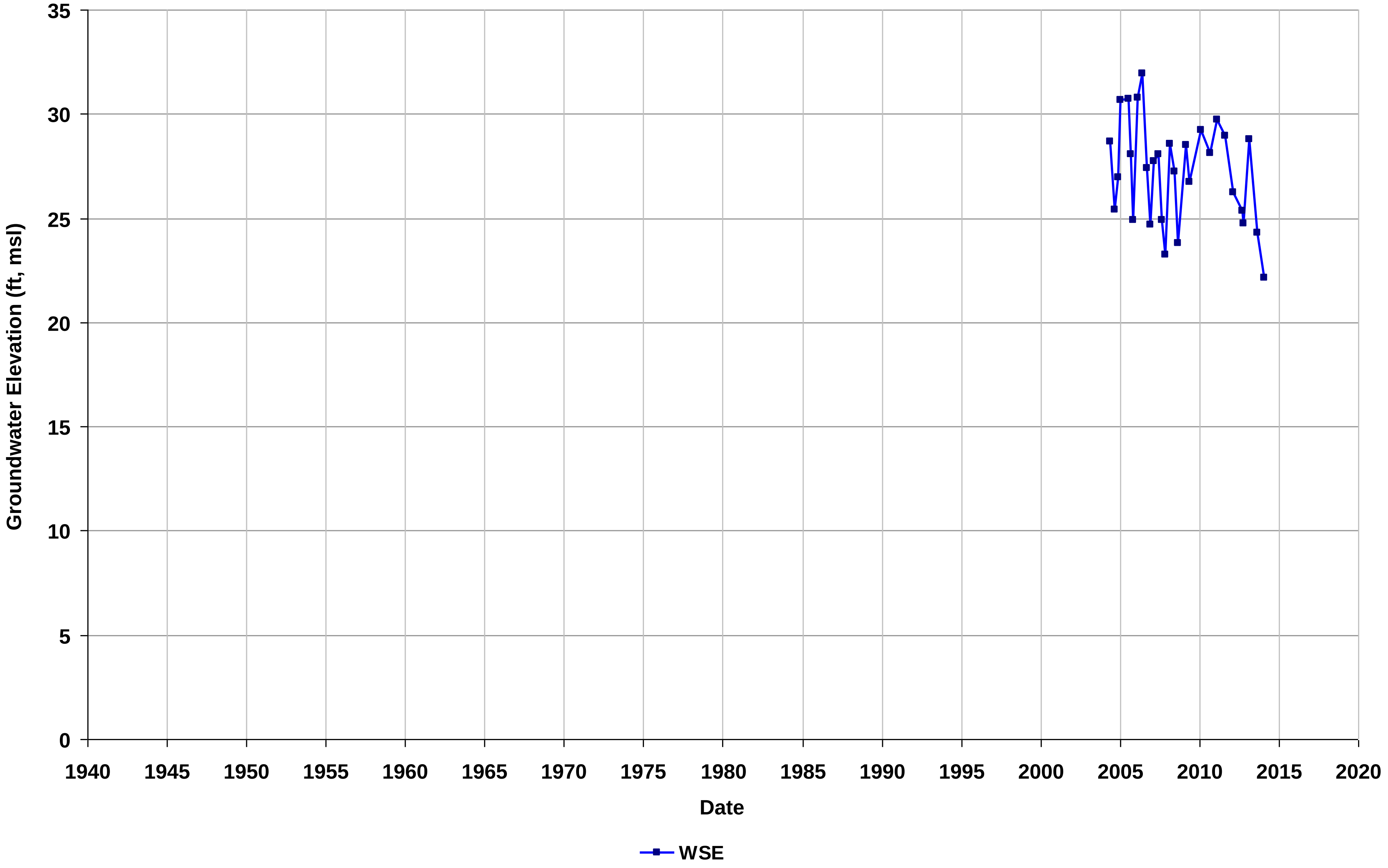
Well Name: T0600100201-EX-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



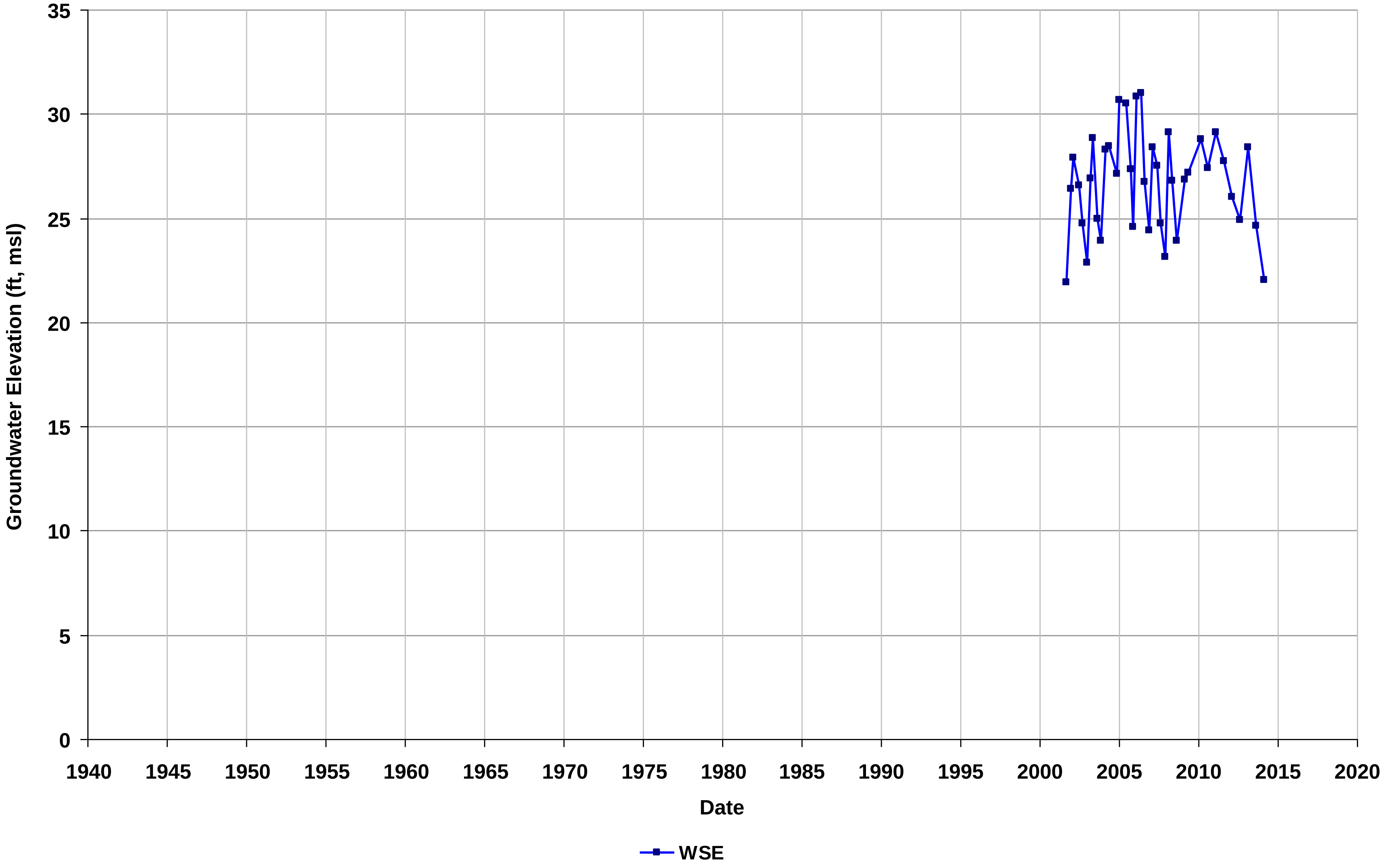
Well Name: T0600100201-EX-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



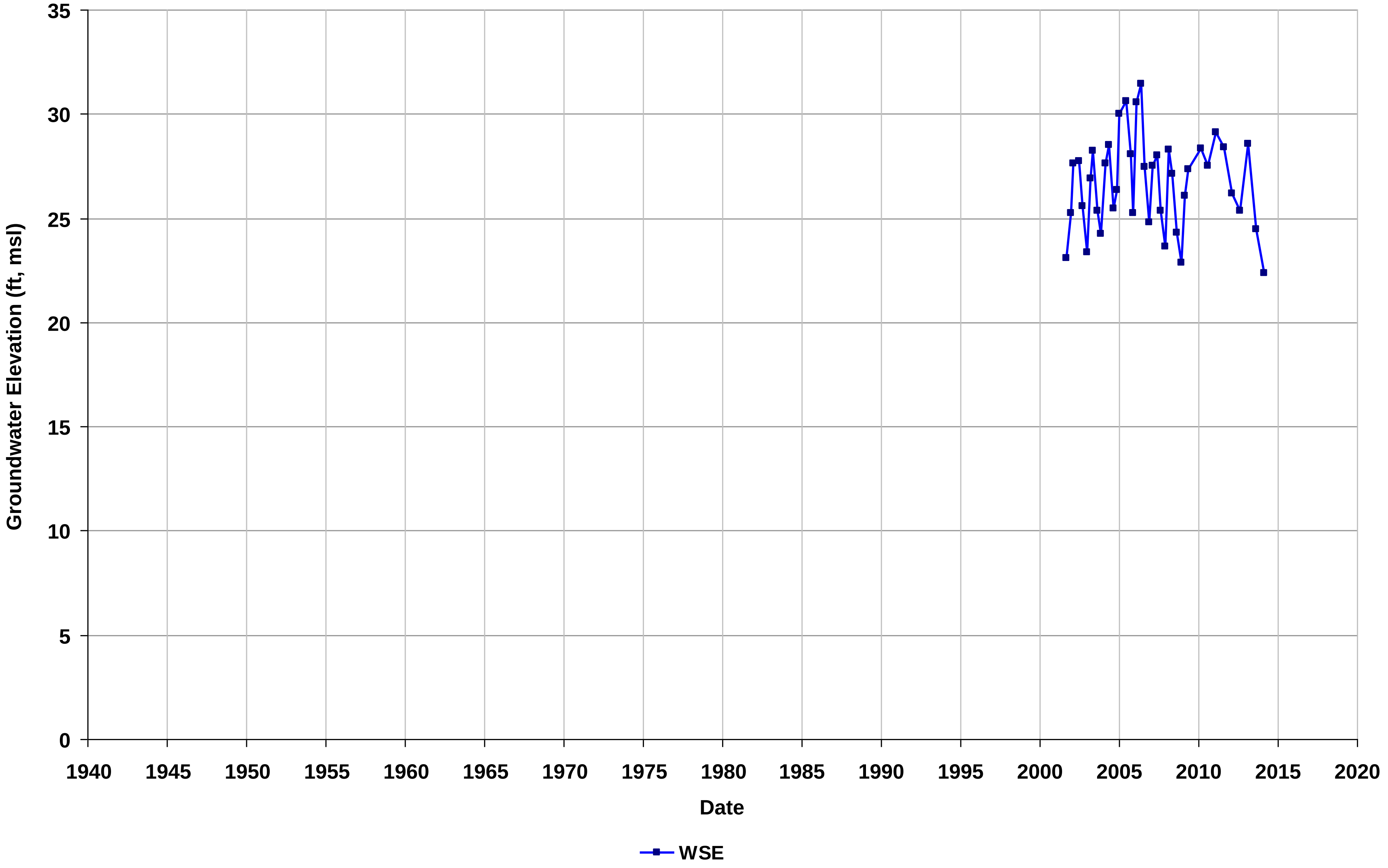
Well Name: T0600100201-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



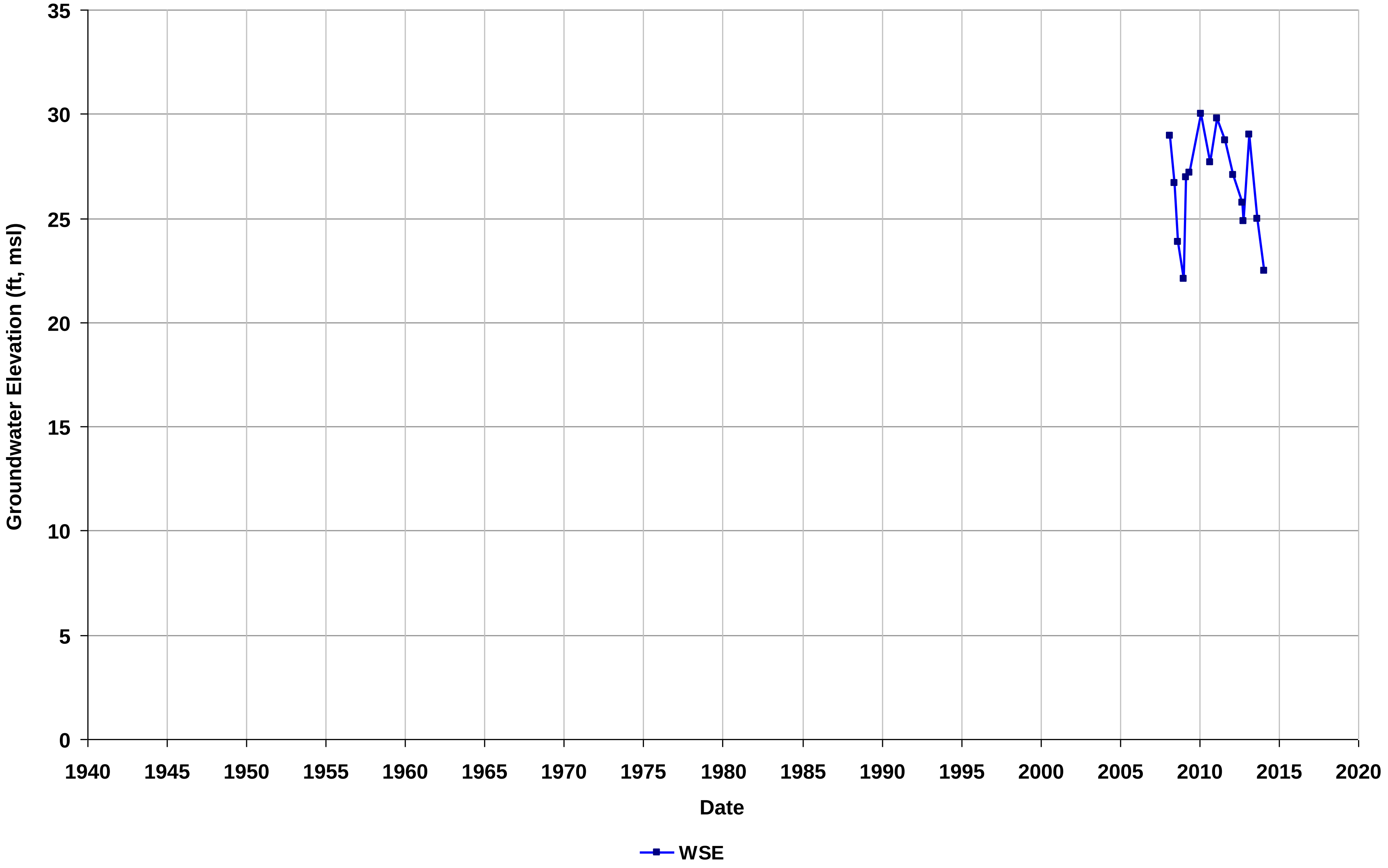
Well Name: T0600100201-MW-10
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



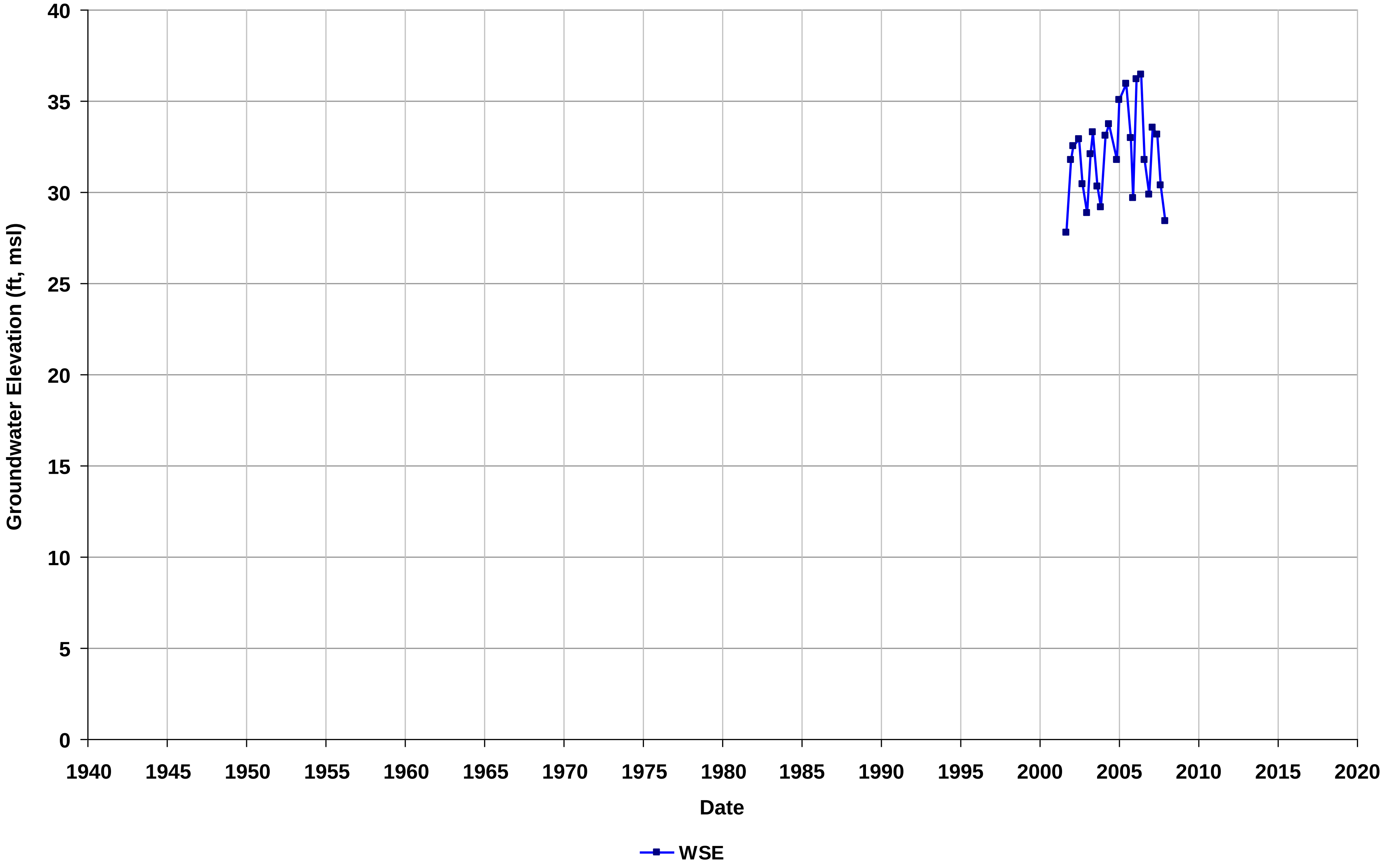
Well Name: T0600100201-MW-11
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



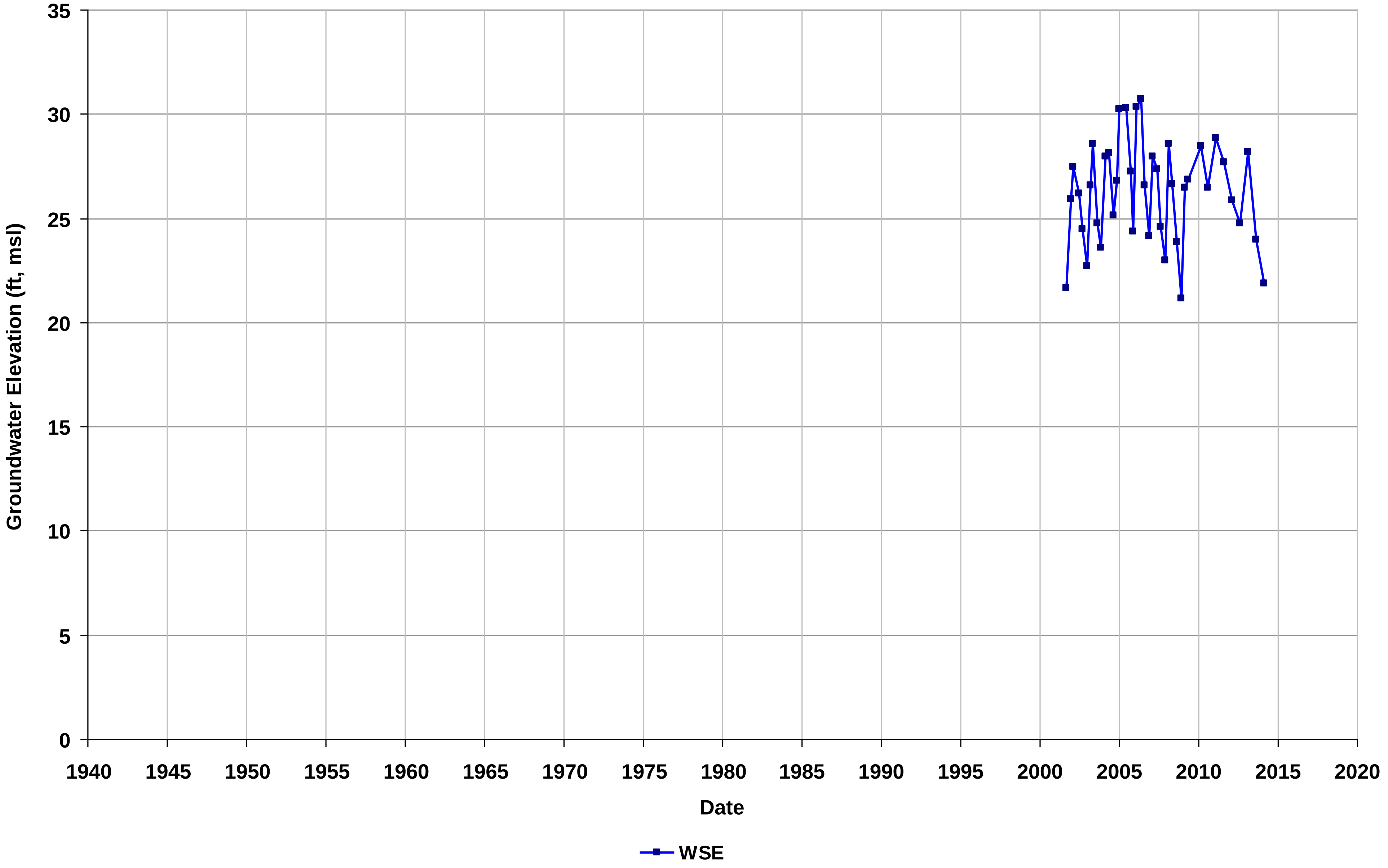
Well Name: T0600100201-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



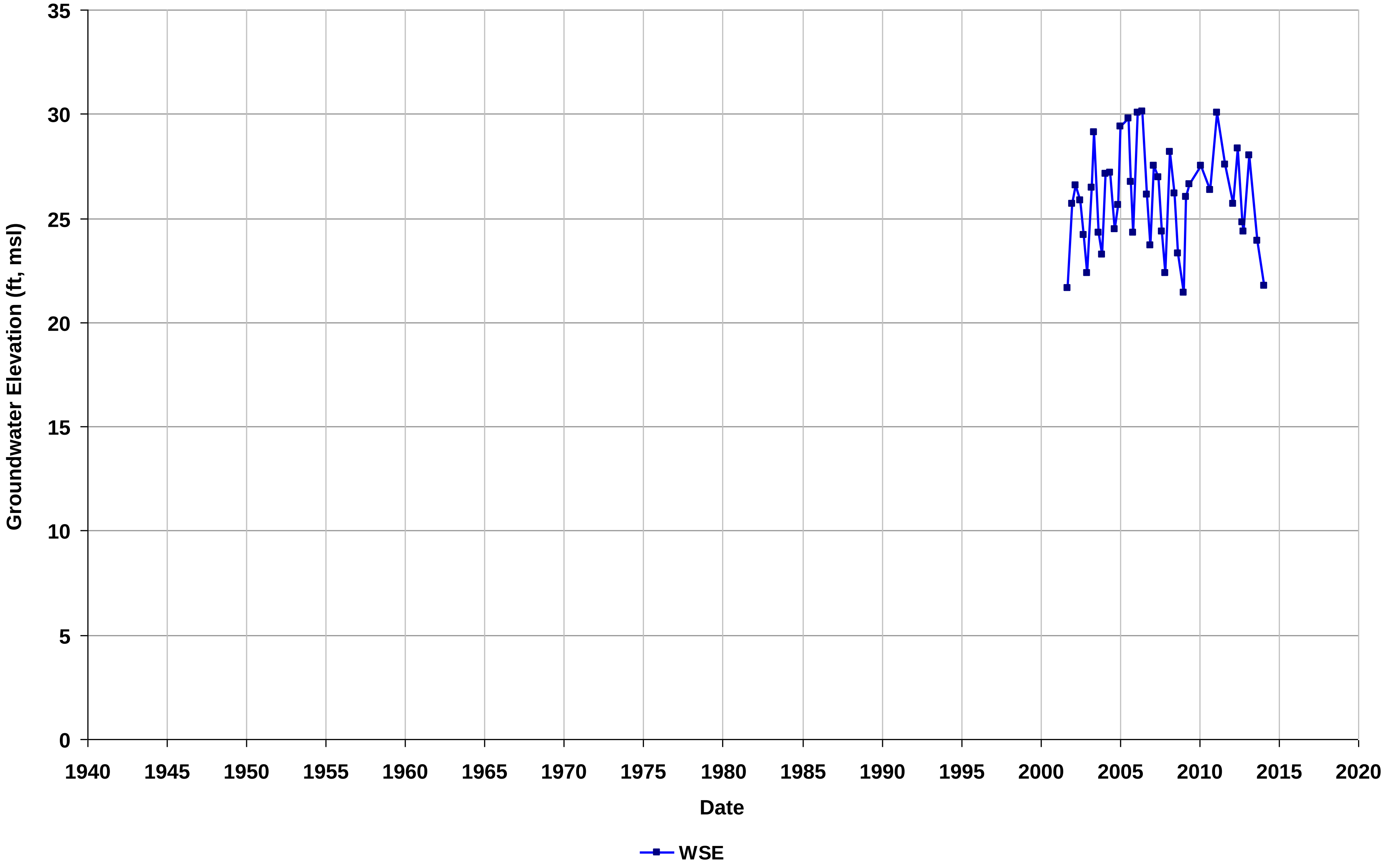
Well Name: T0600100201-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



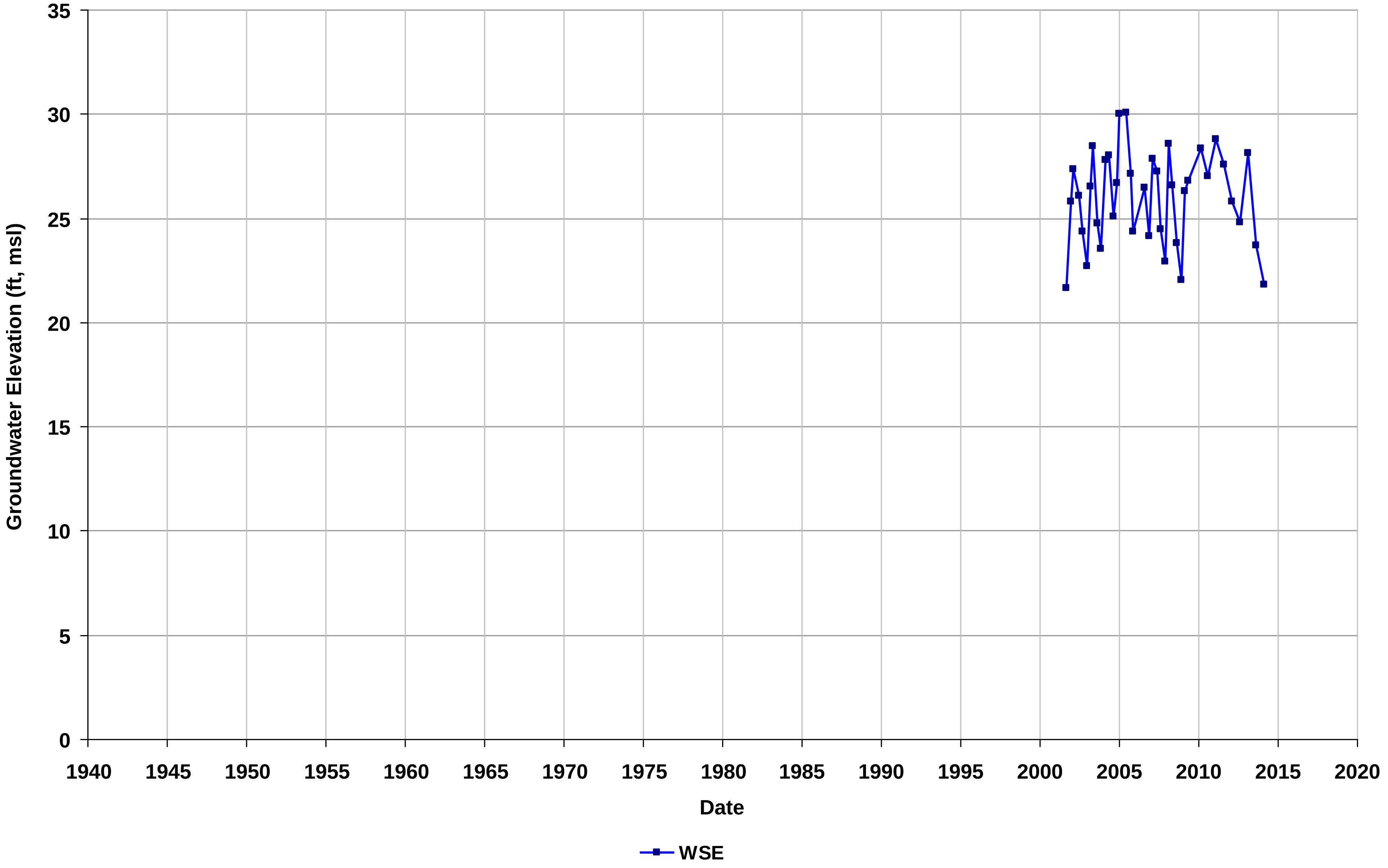
Well Name: T0600100201-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



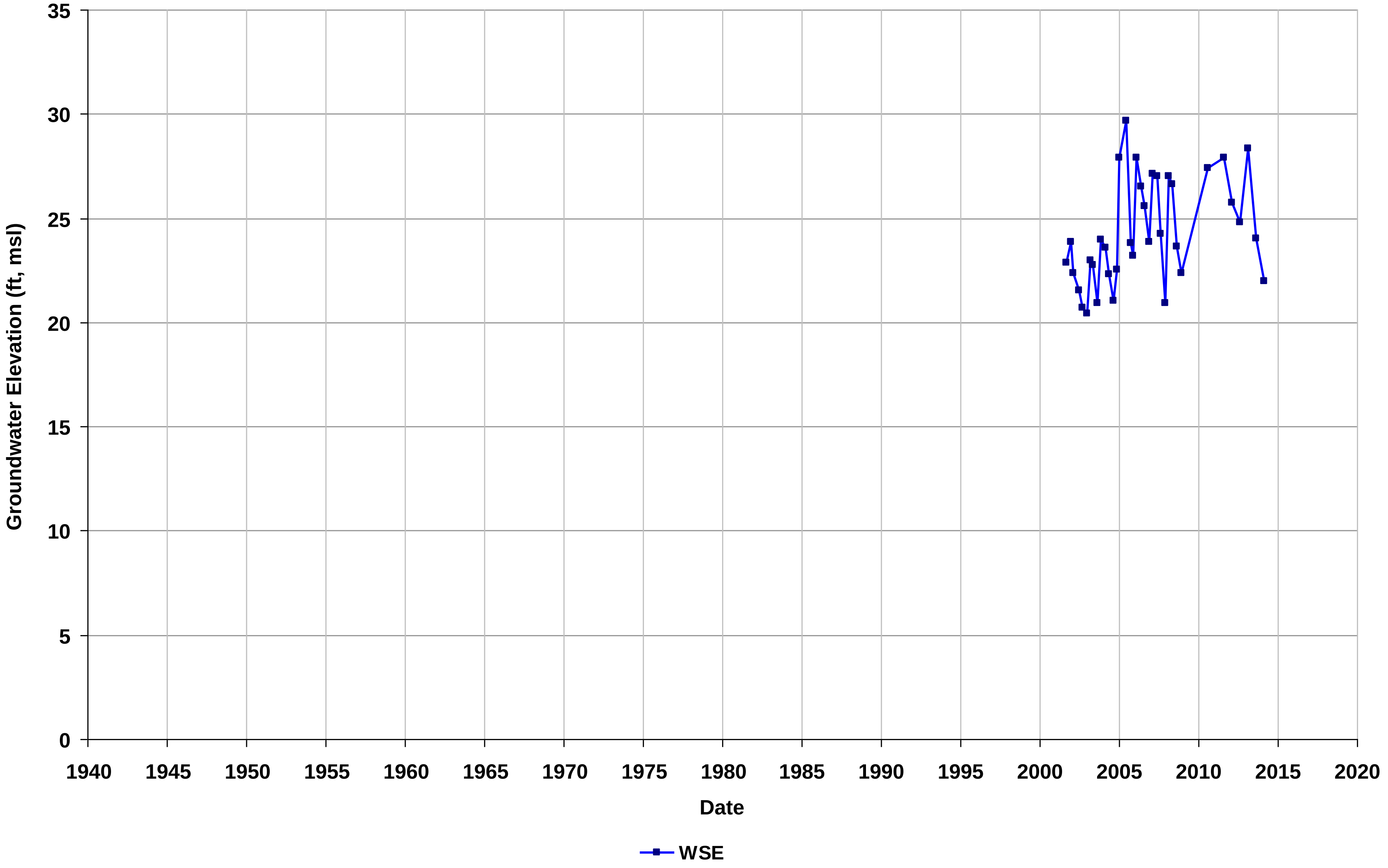
Well Name: T0600100201-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



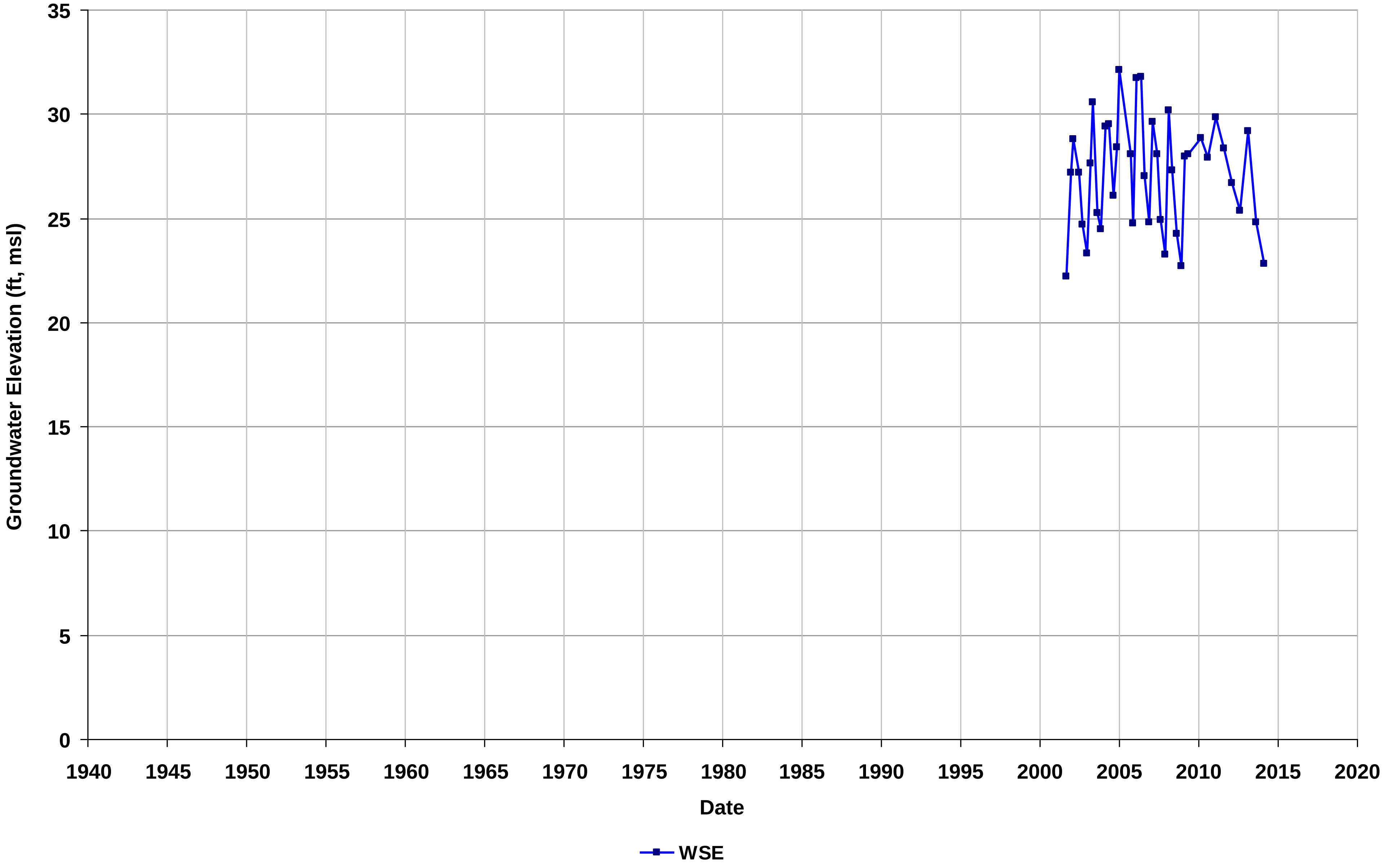
Well Name: T0600100201-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



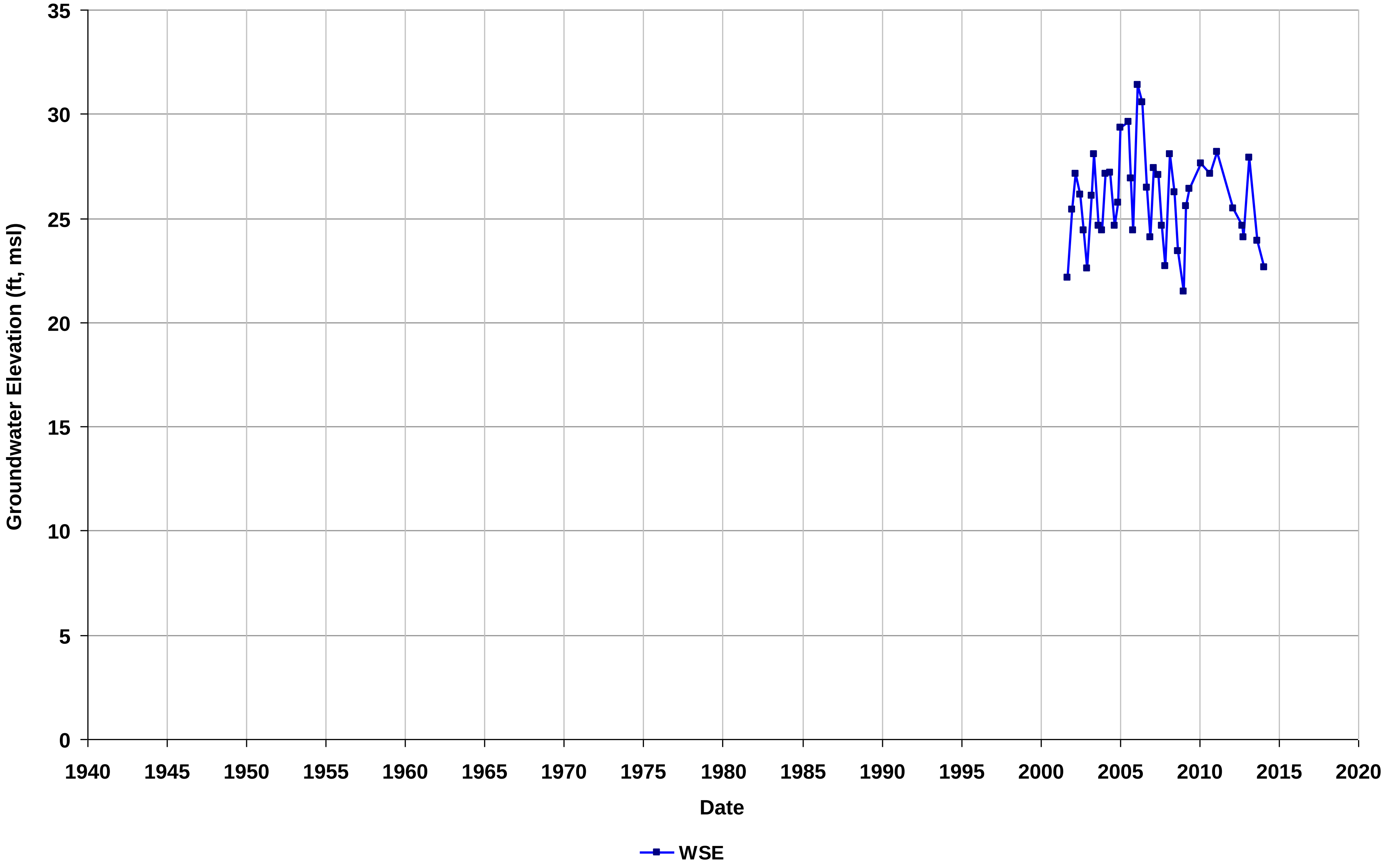
Well Name: T0600100201-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



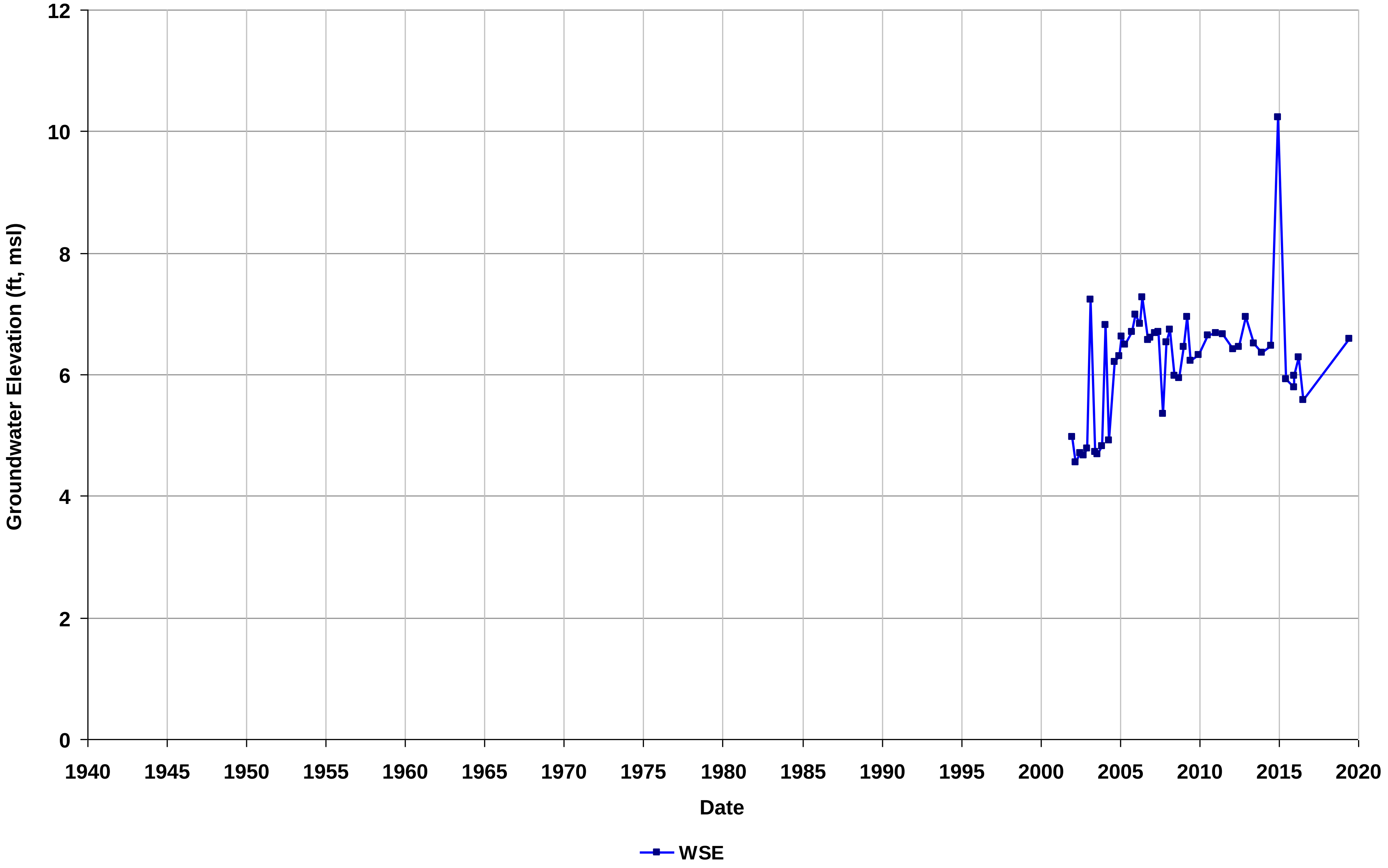
Well Name: T0600100201-MW-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



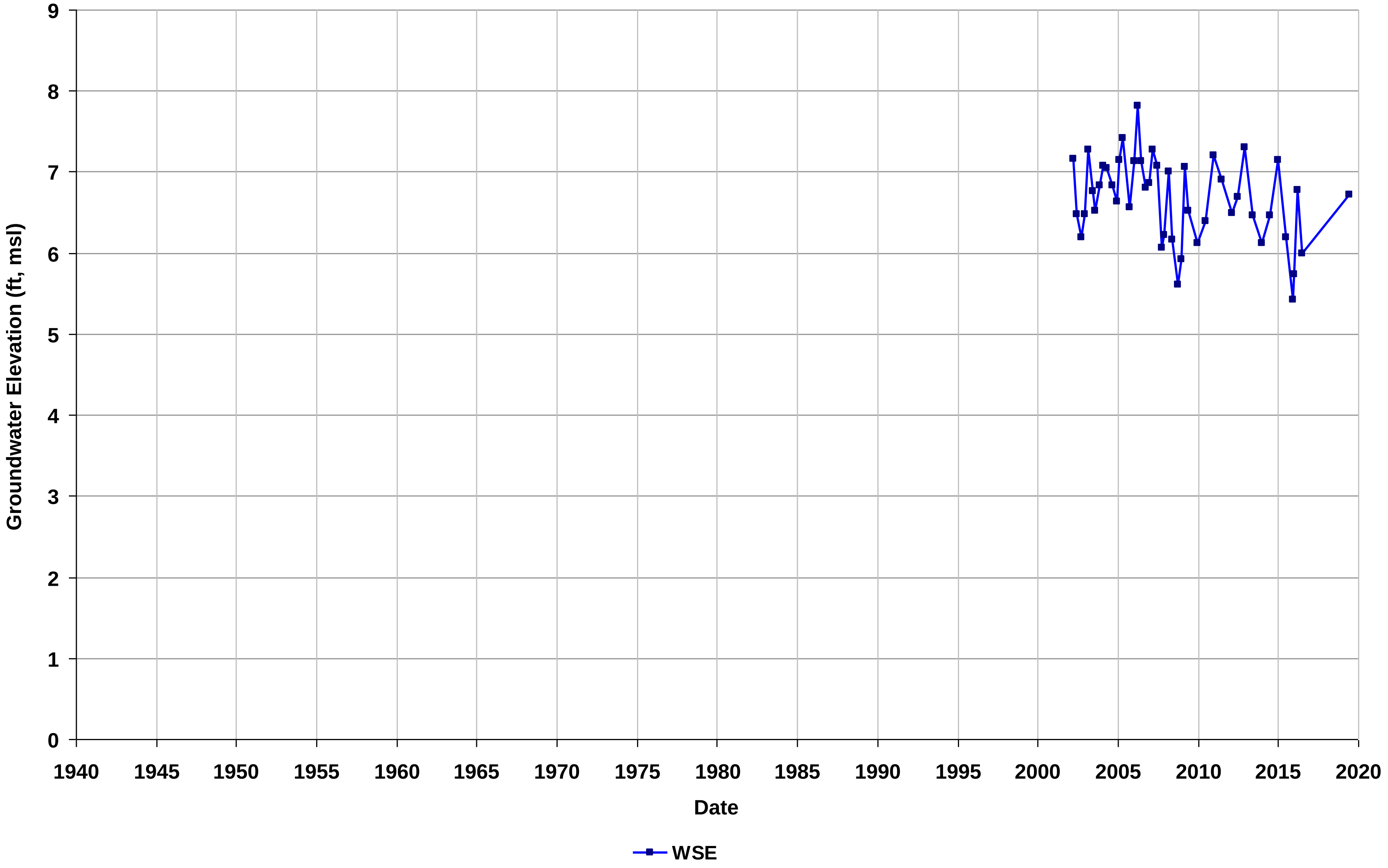
Well Name: T0600100208-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/15
Well Use: Observation



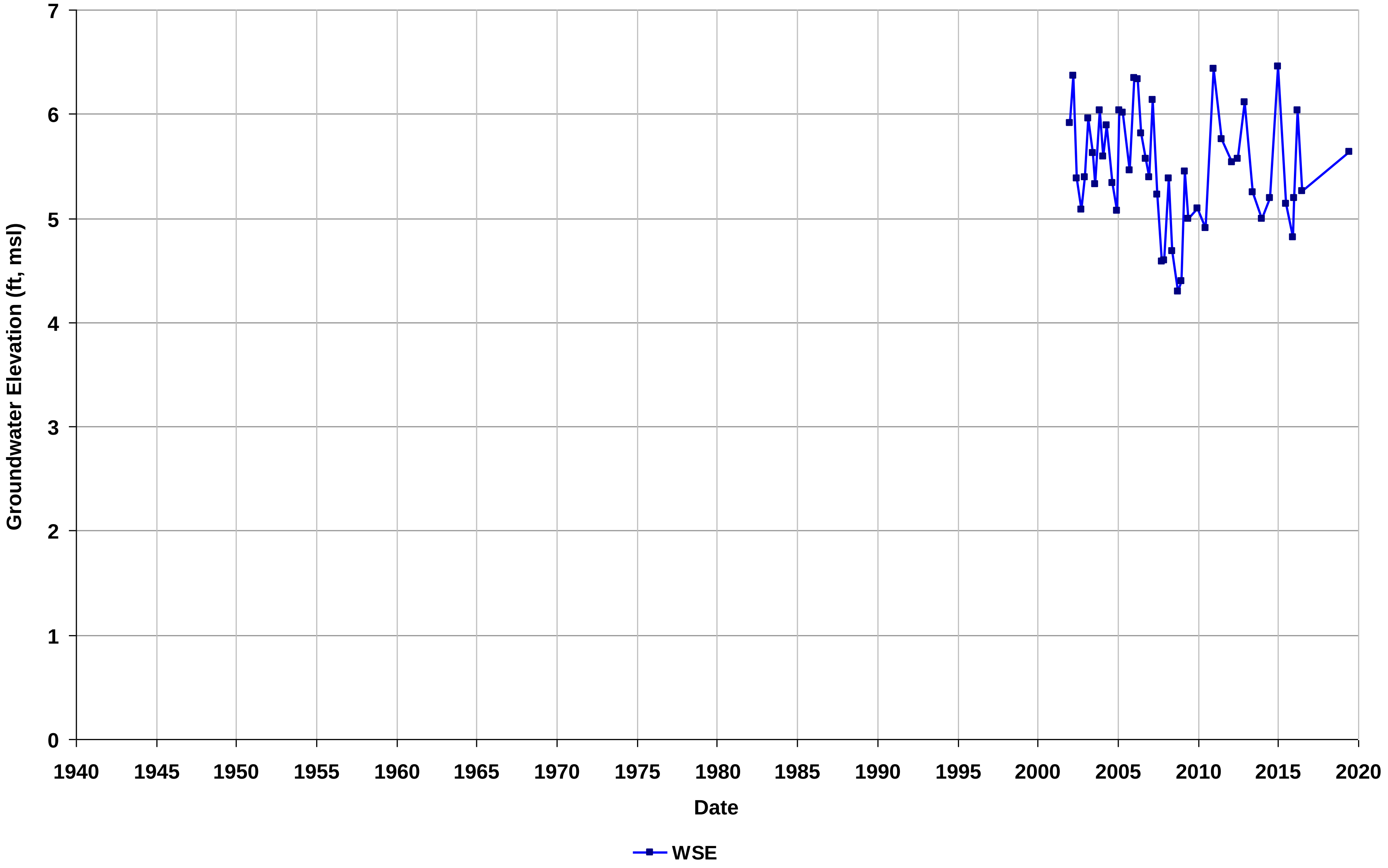
Well Name: T0600100208-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/15
Well Use: Observation



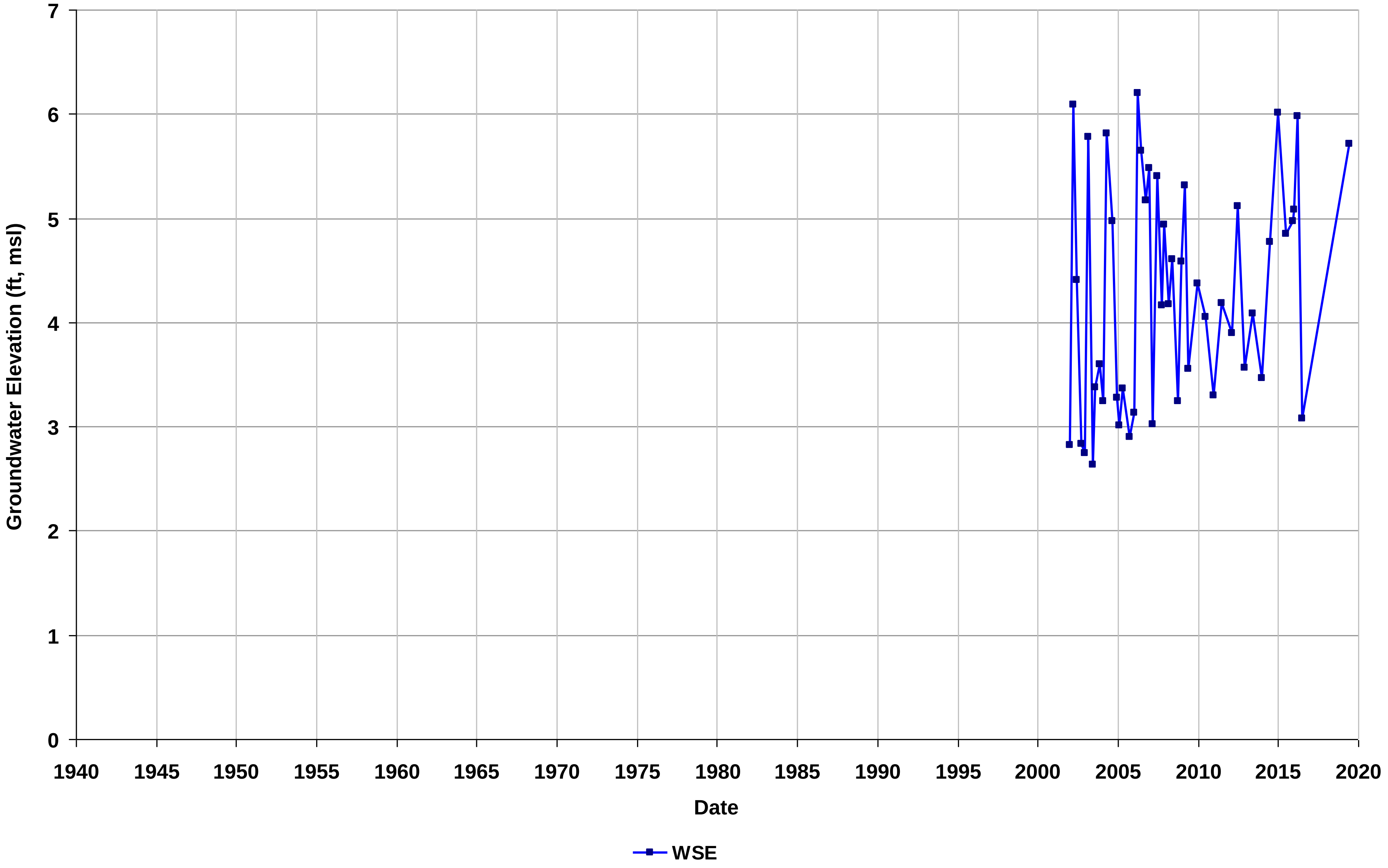
Well Name: T0600100208-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/15
Well Use: Observation



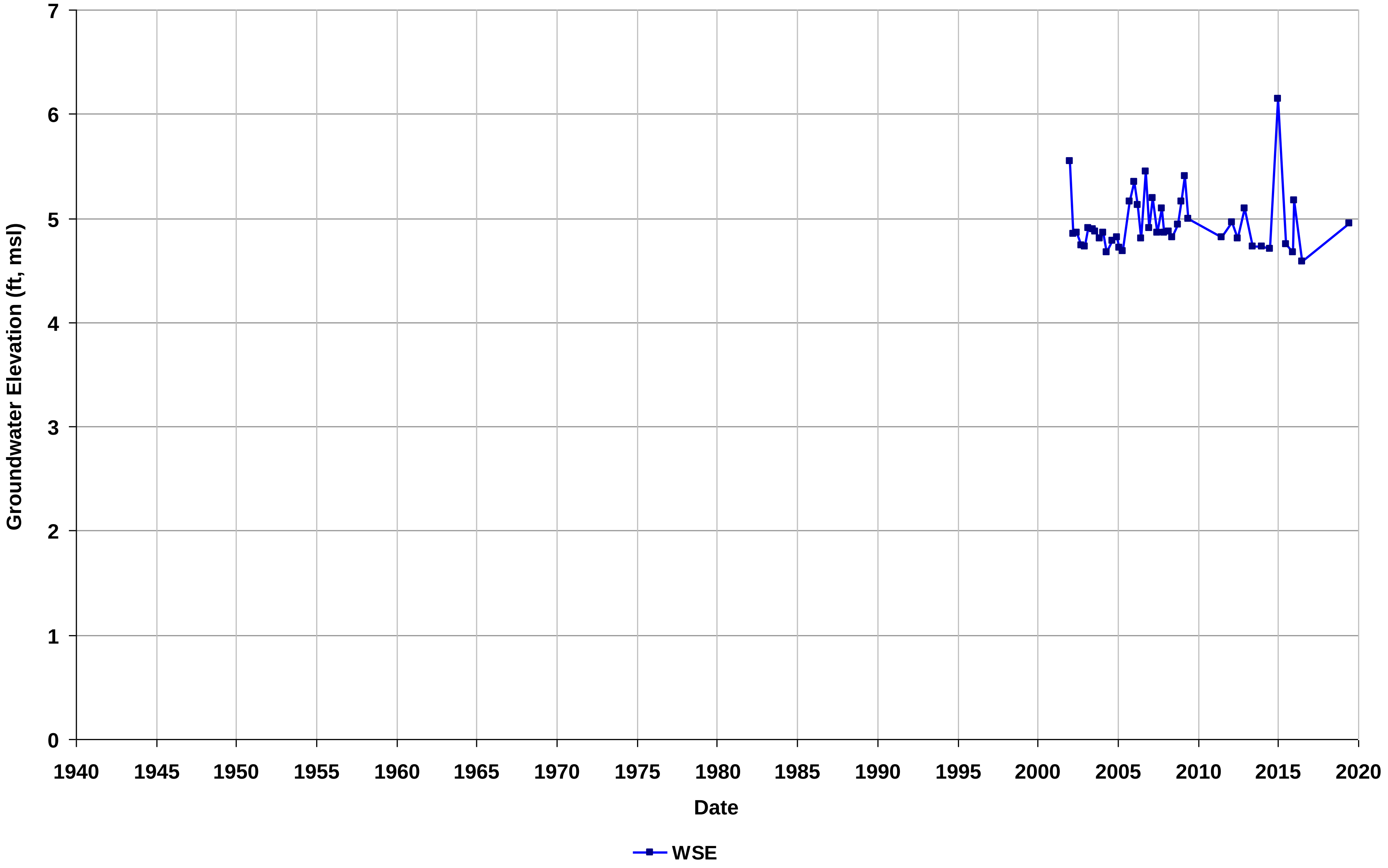
Well Name: T0600100208-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/15
Well Use: Observation



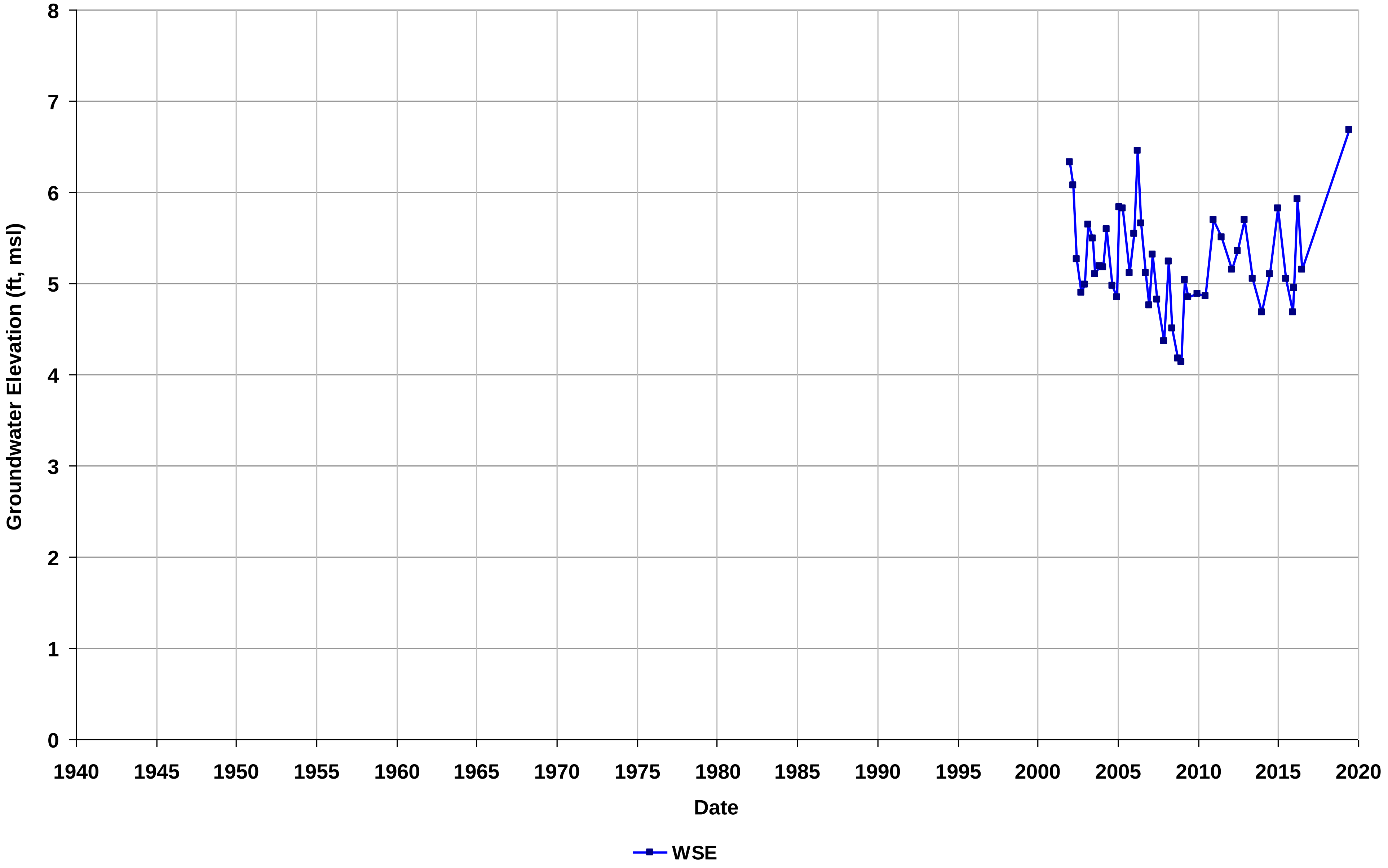
Well Name: T0600100208-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/15
Well Use: Observation



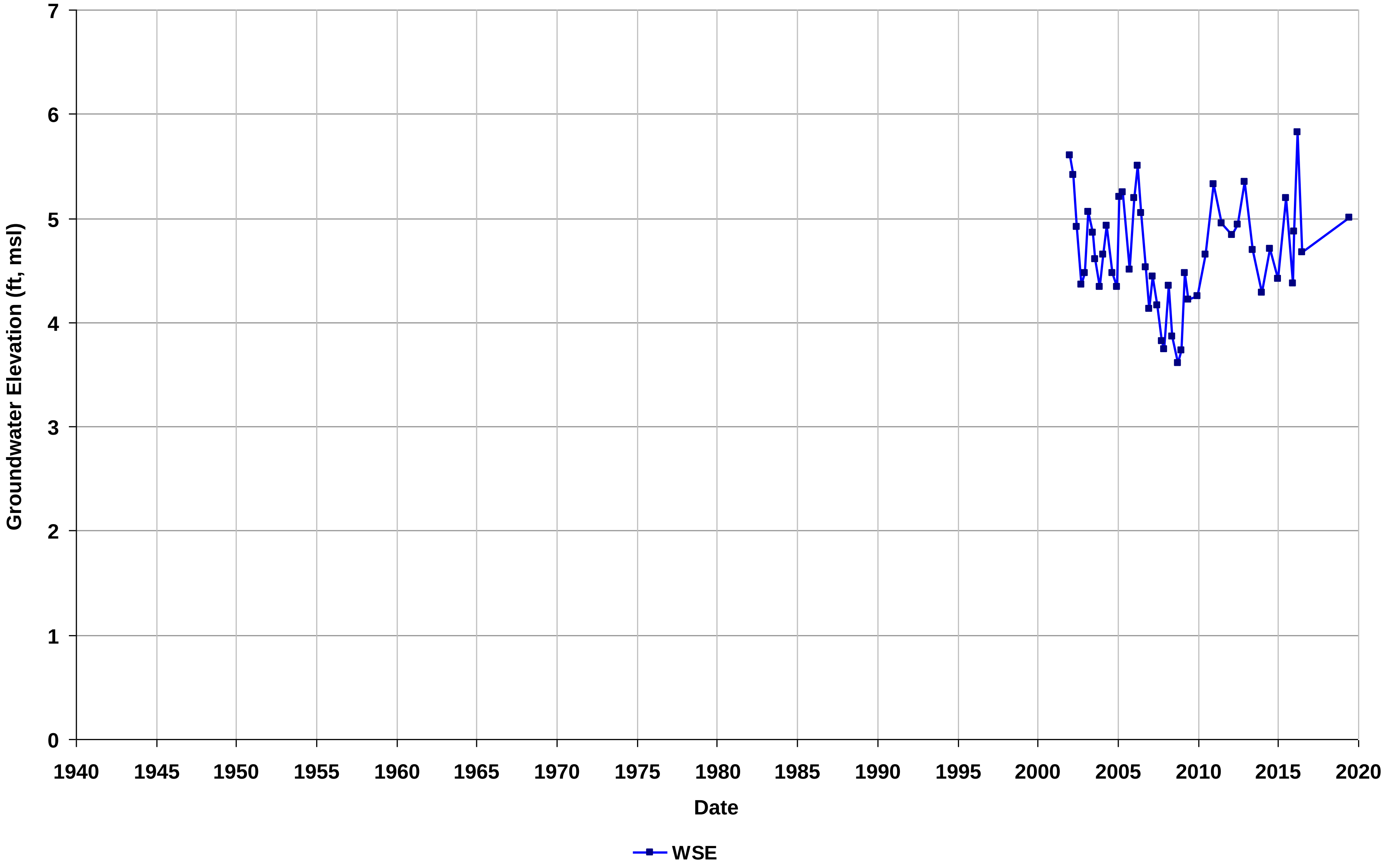
Well Name: T0600100208-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/15
Well Use: Observation



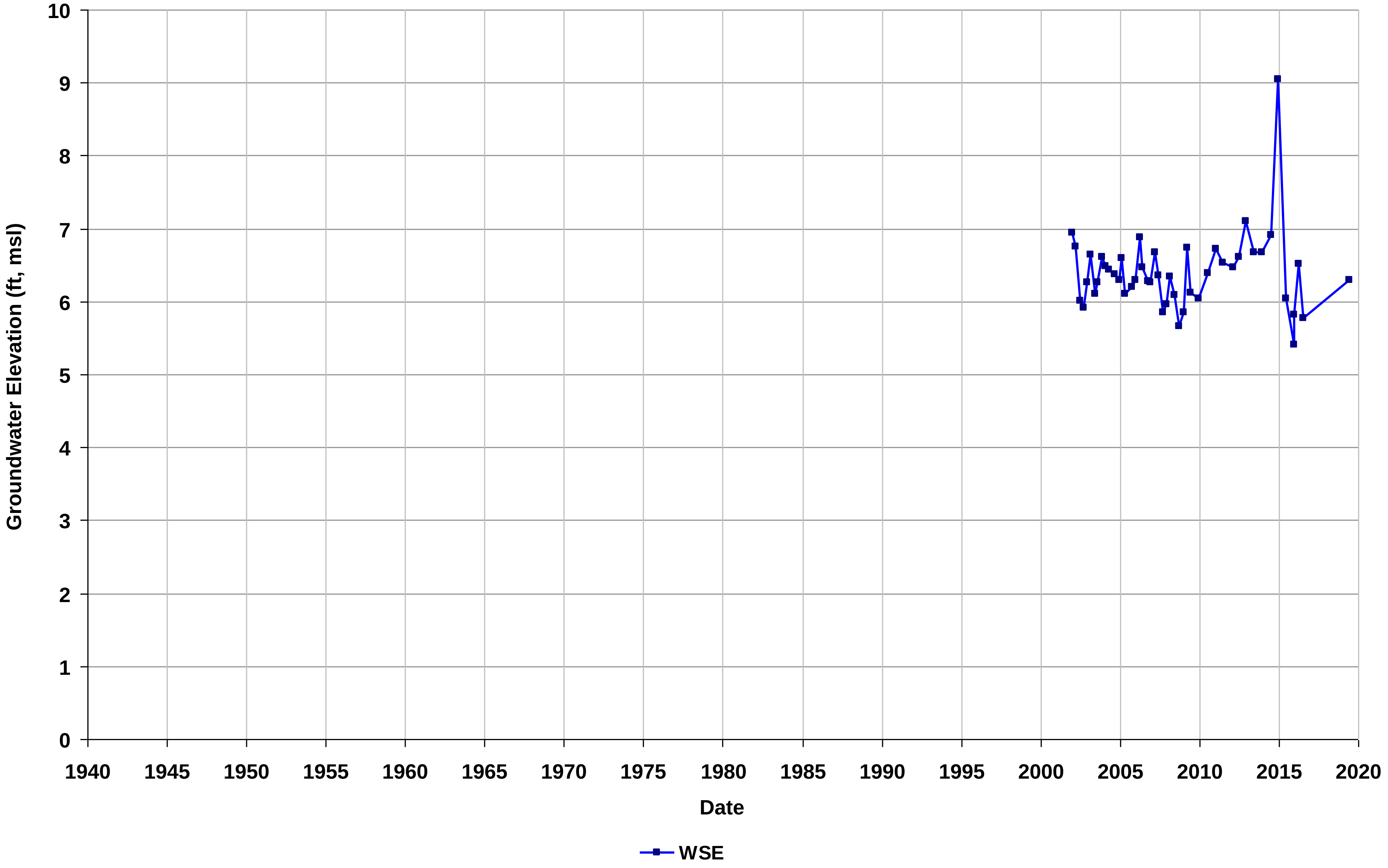
Well Name: T0600100208-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/15
Well Use: Observation



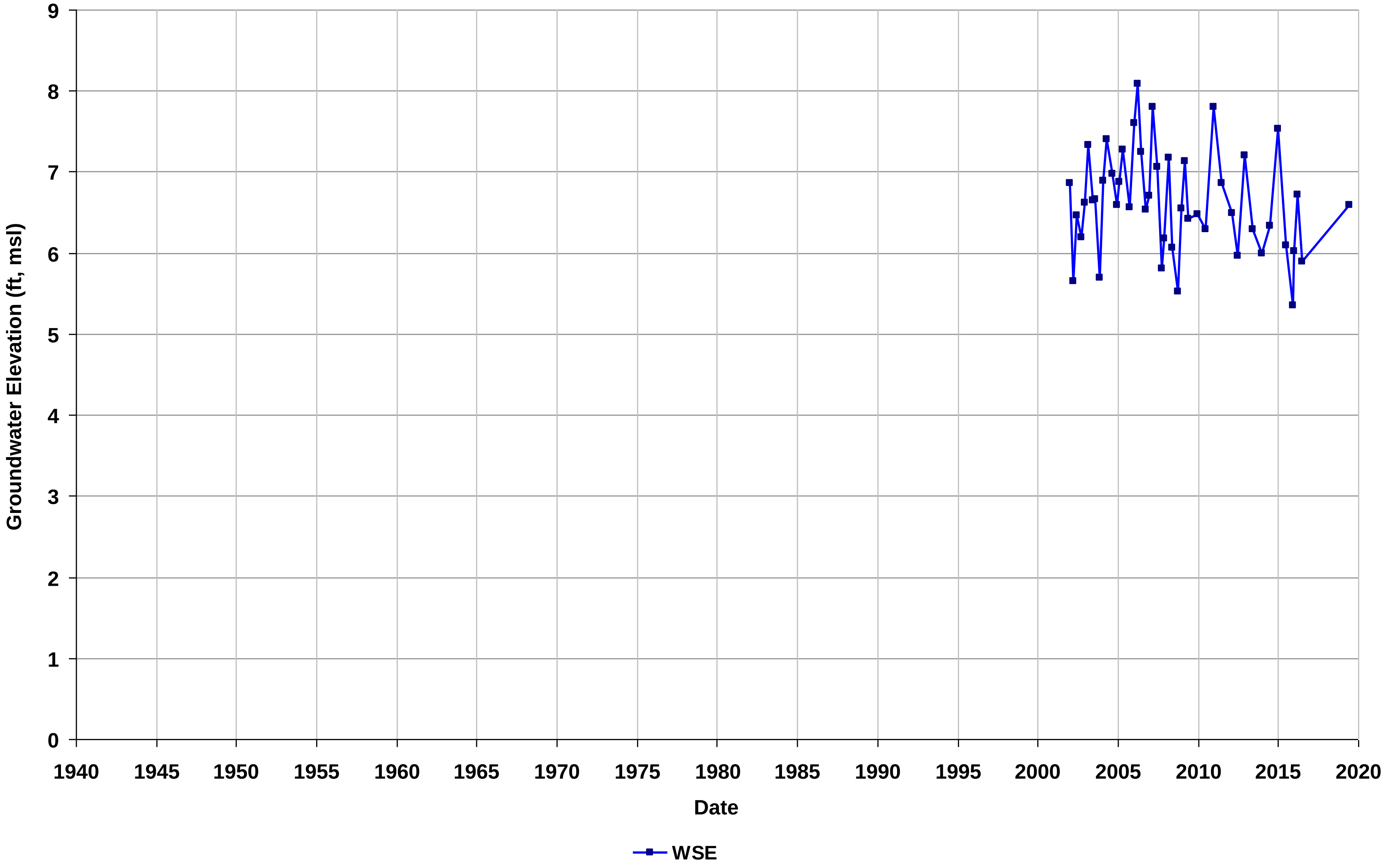
Well Name: T0600100208-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/15
Well Use: Observation



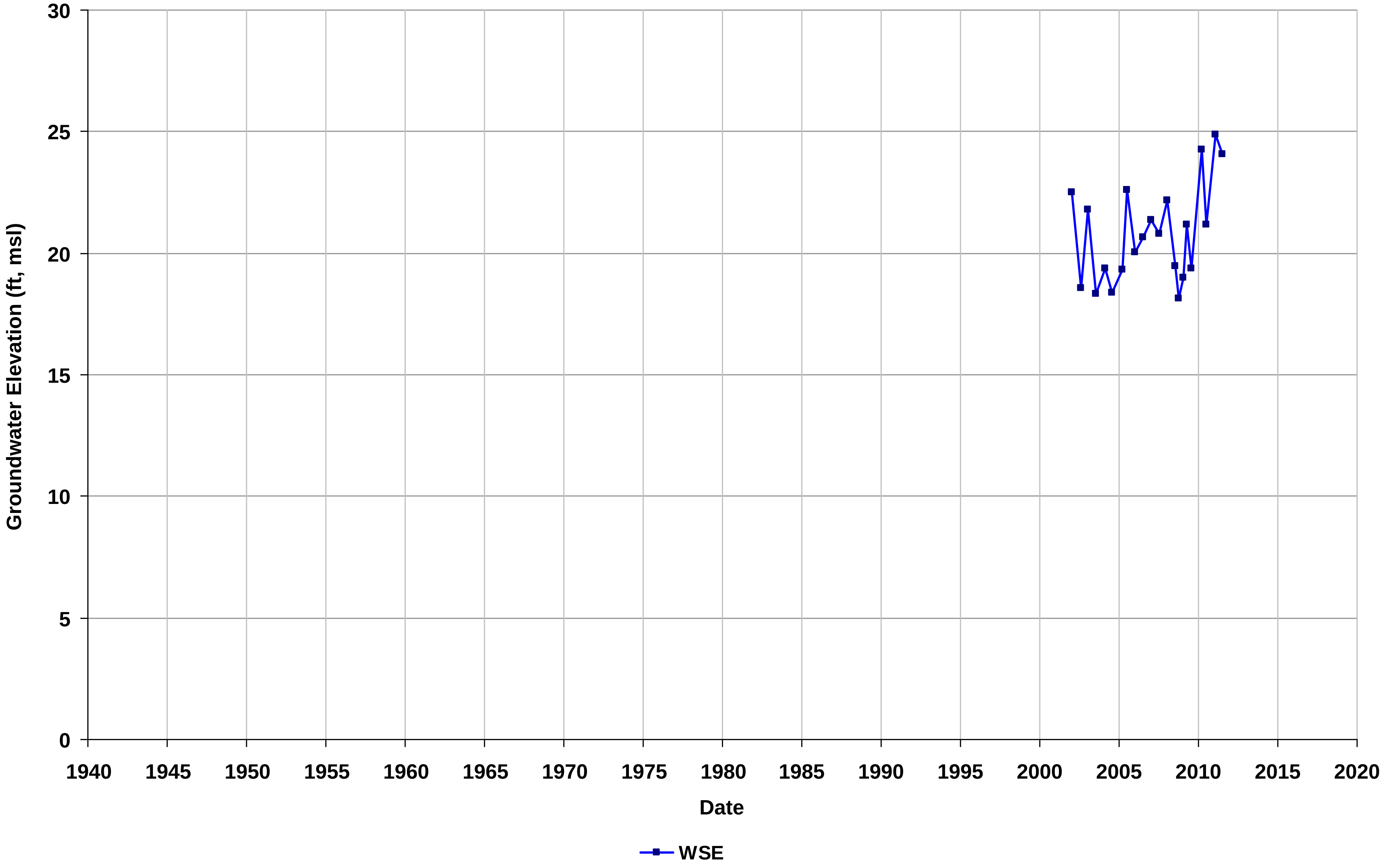
Well Name: T0600100208-MW-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/15
Well Use: Observation



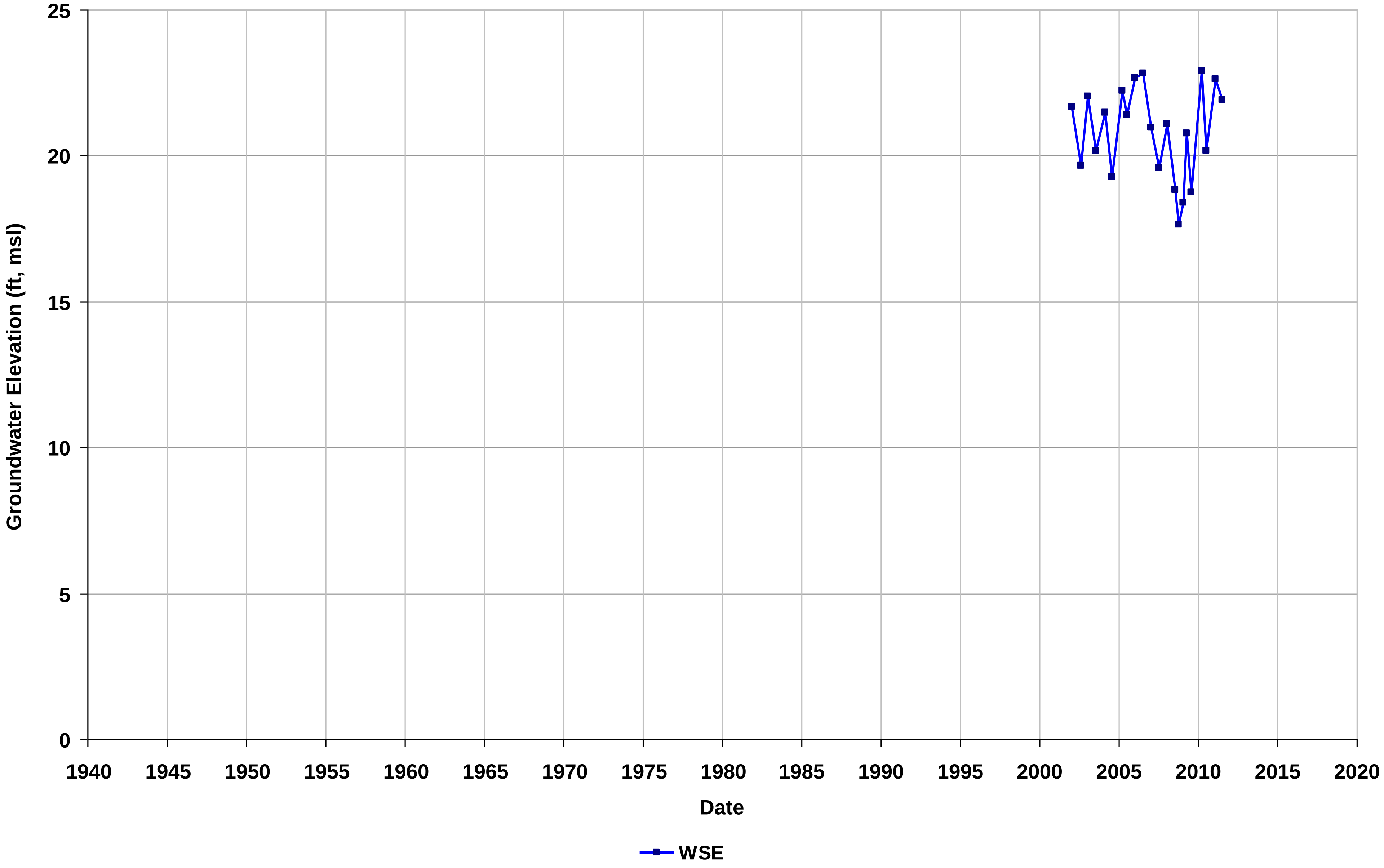
Well Name: T0600100210-AW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/23
Well Use: Observation



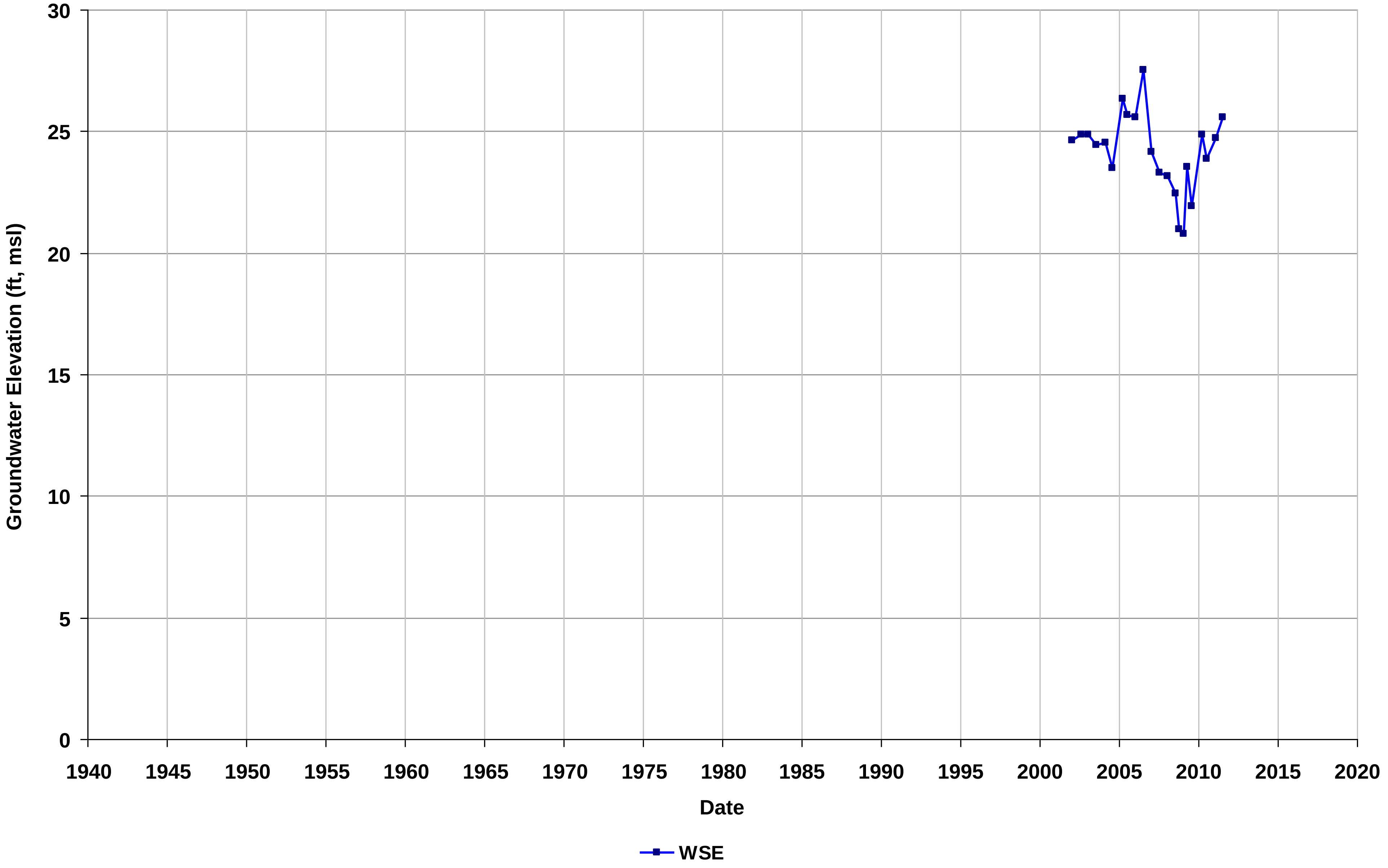
Well Name: T0600100210-AW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/23
Well Use: Observation



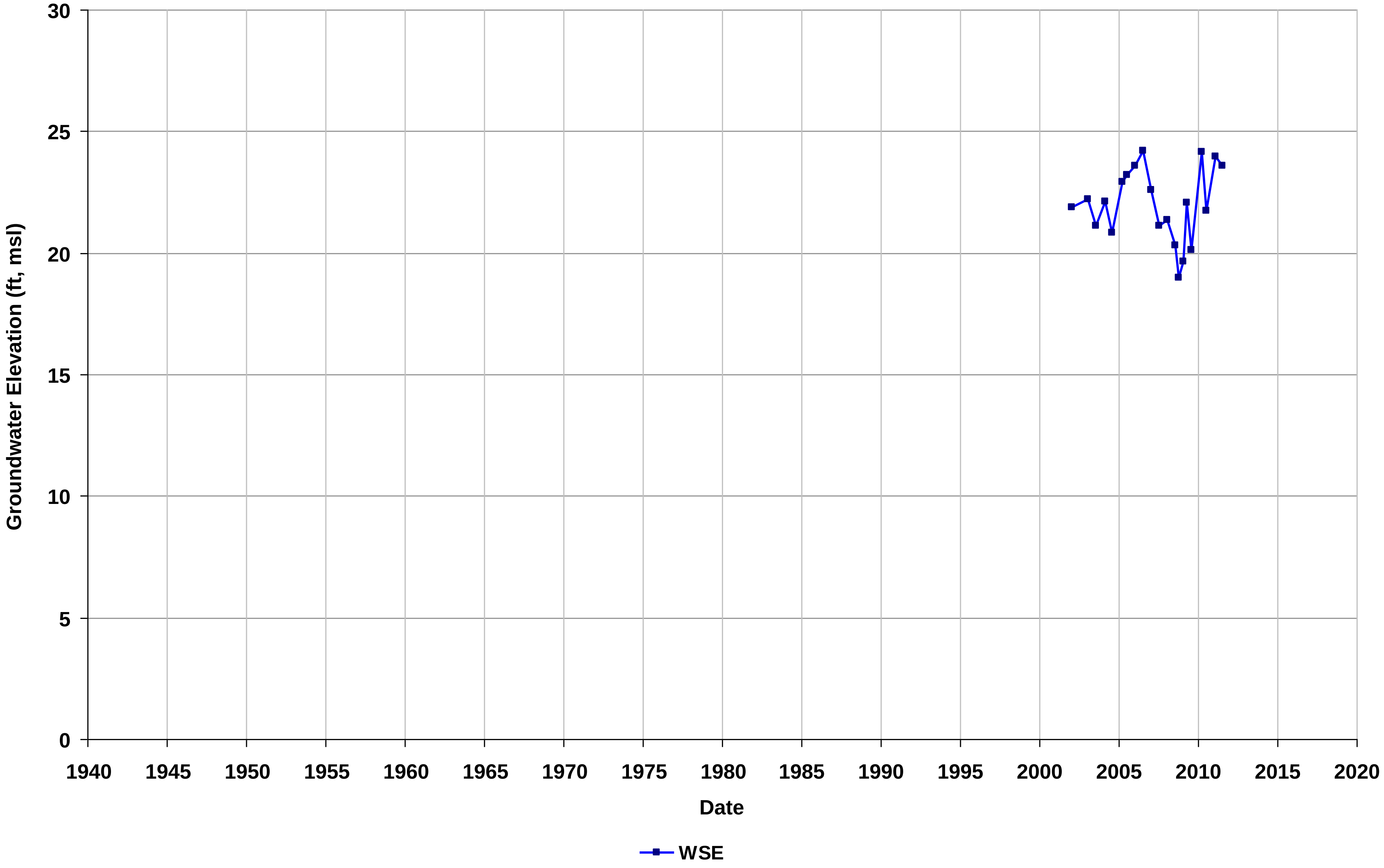
Well Name: T0600100210-AW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/23
Well Use: Observation



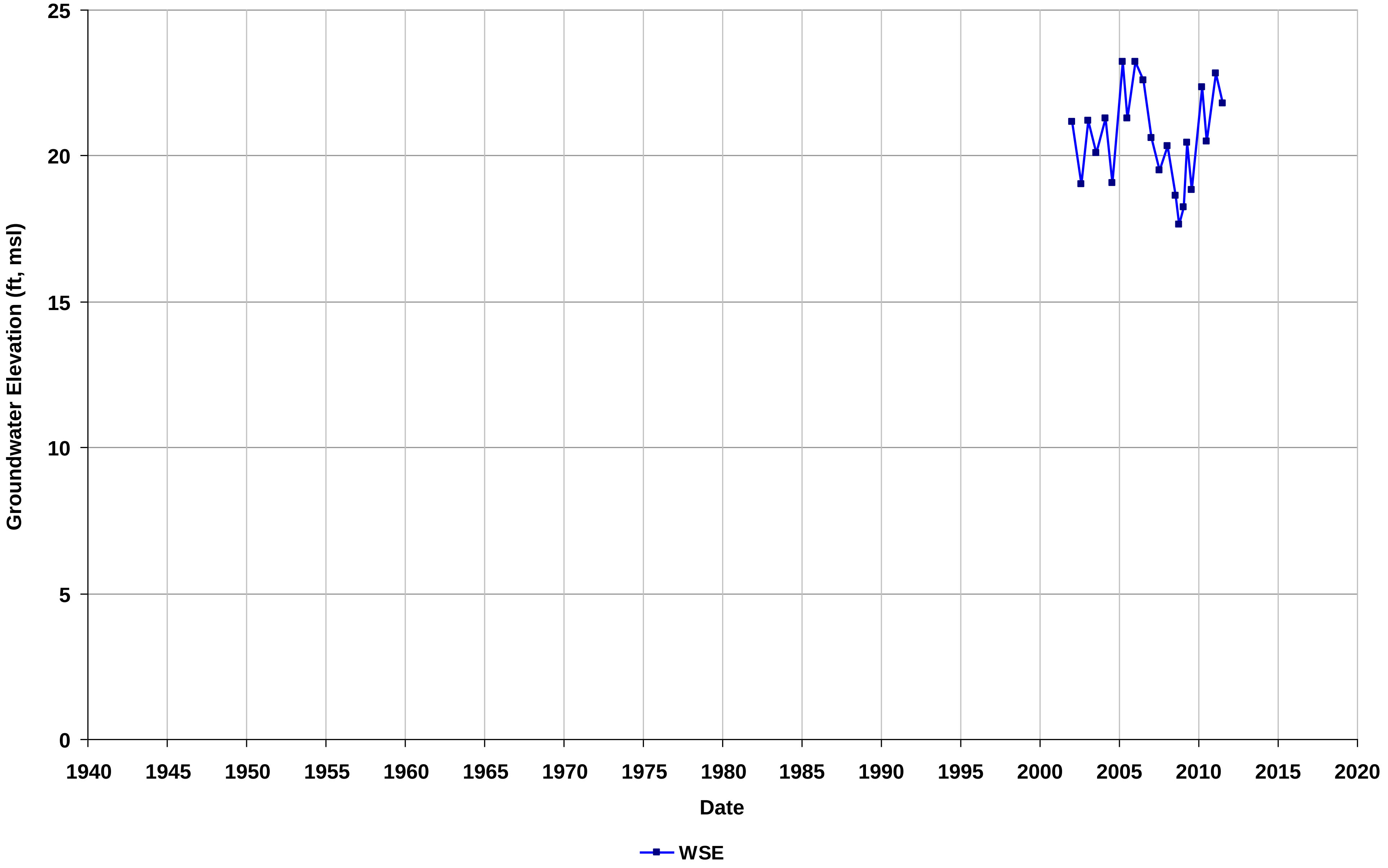
Well Name: T0600100210-AW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/23
Well Use: Observation



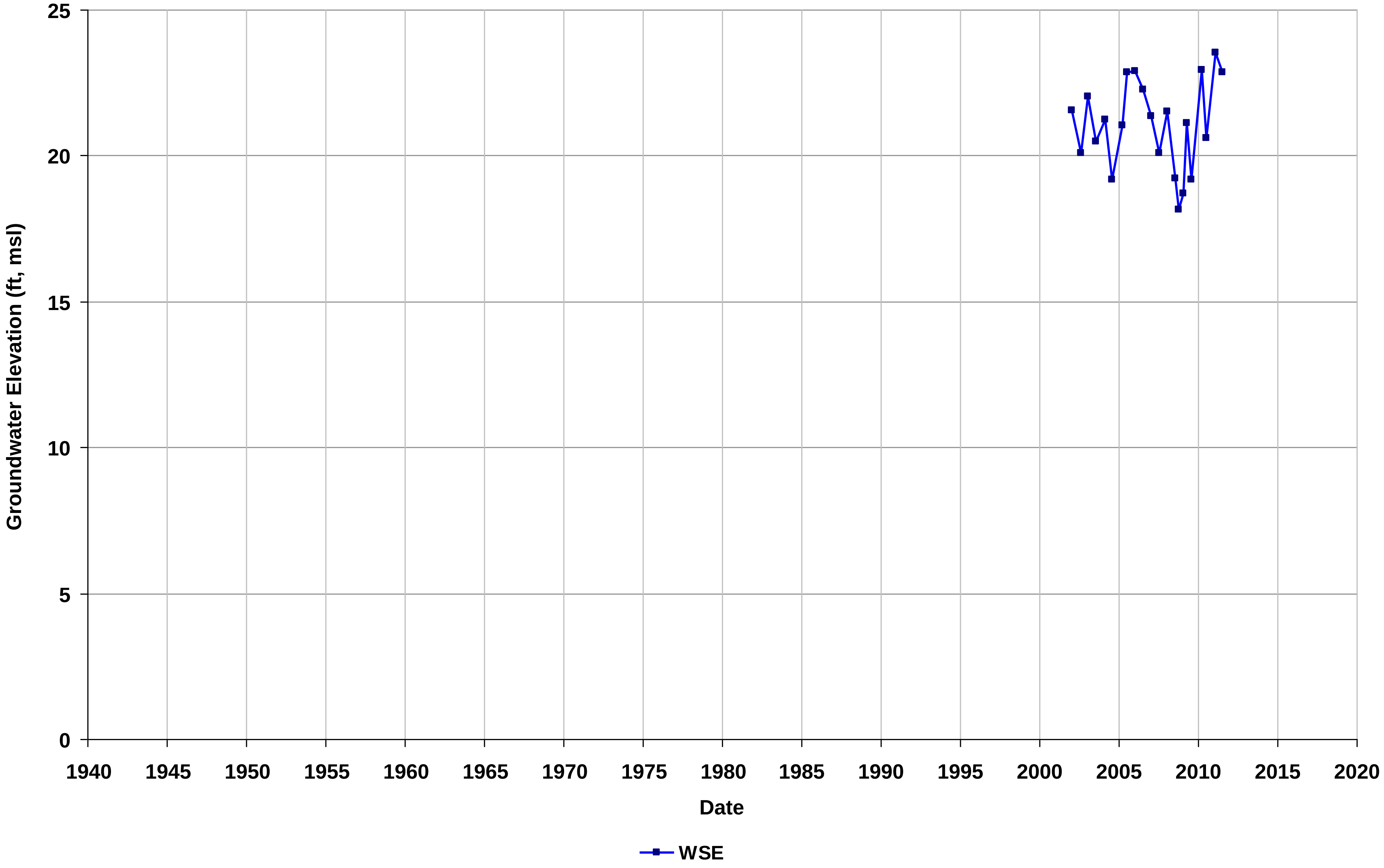
Well Name: T0600100210-AW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/23
Well Use: Observation



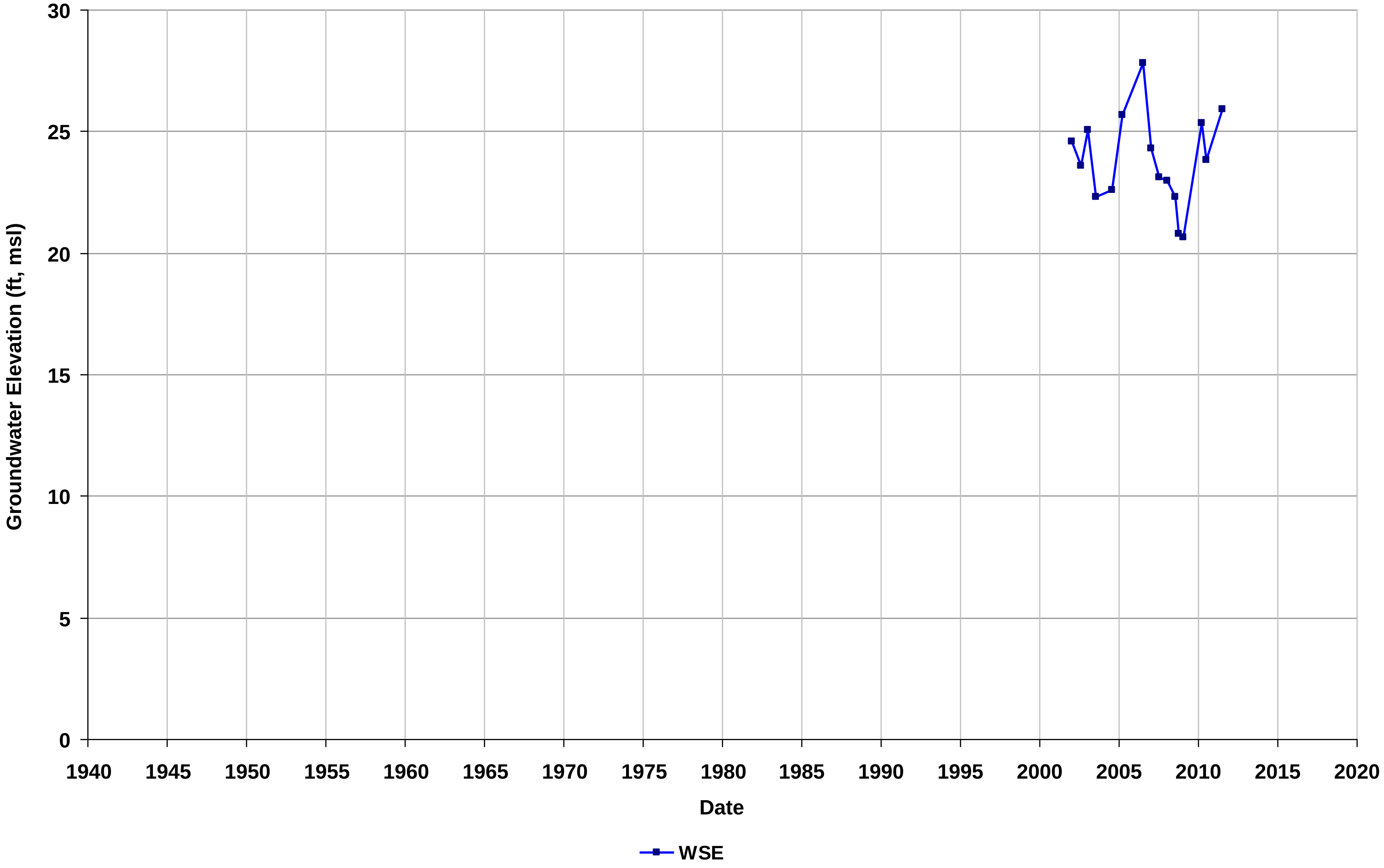
Well Name: T0600100210-AW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/23
Well Use: Observation



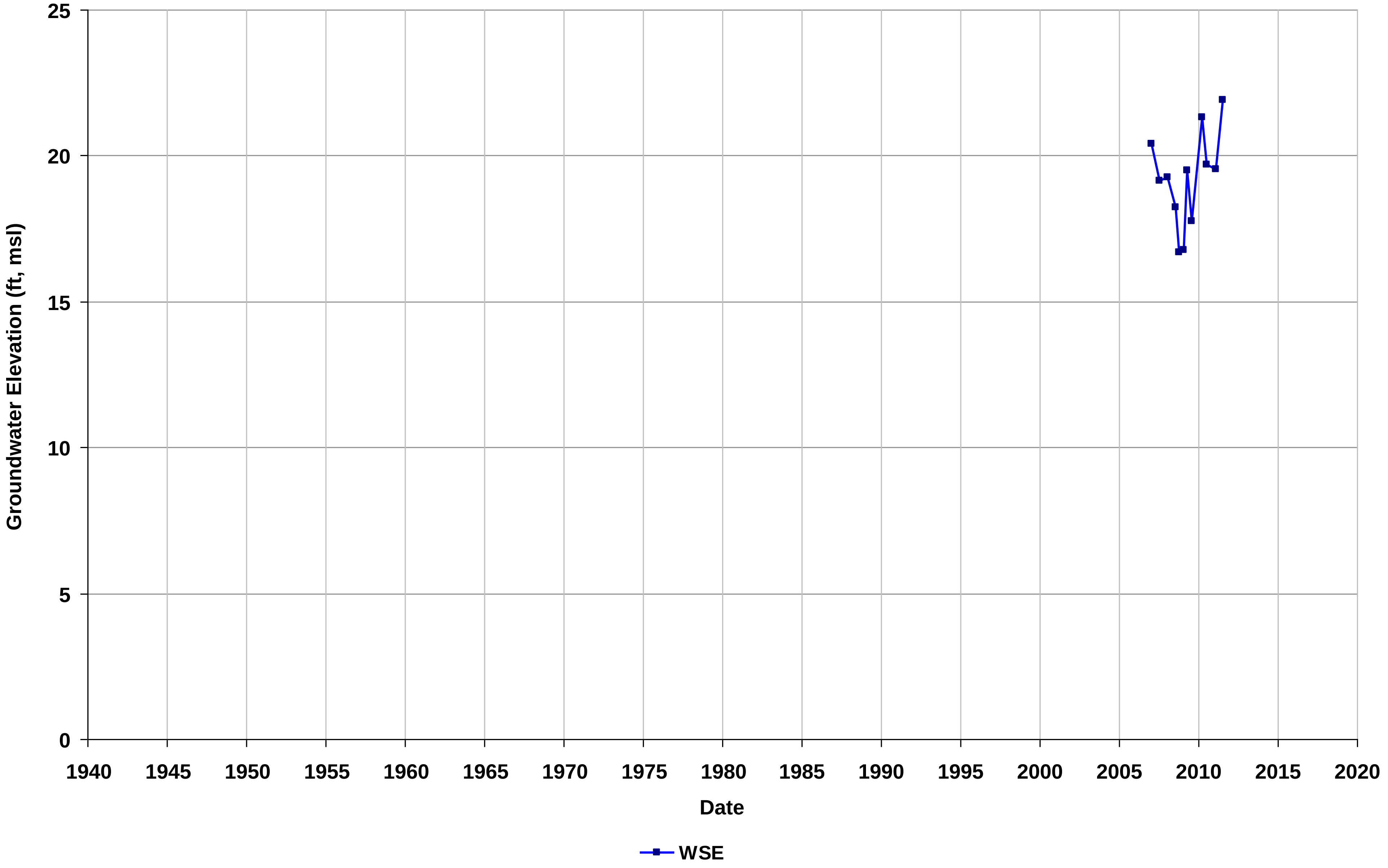
Well Name: T0600100210-AW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/23
Well Use: Observation



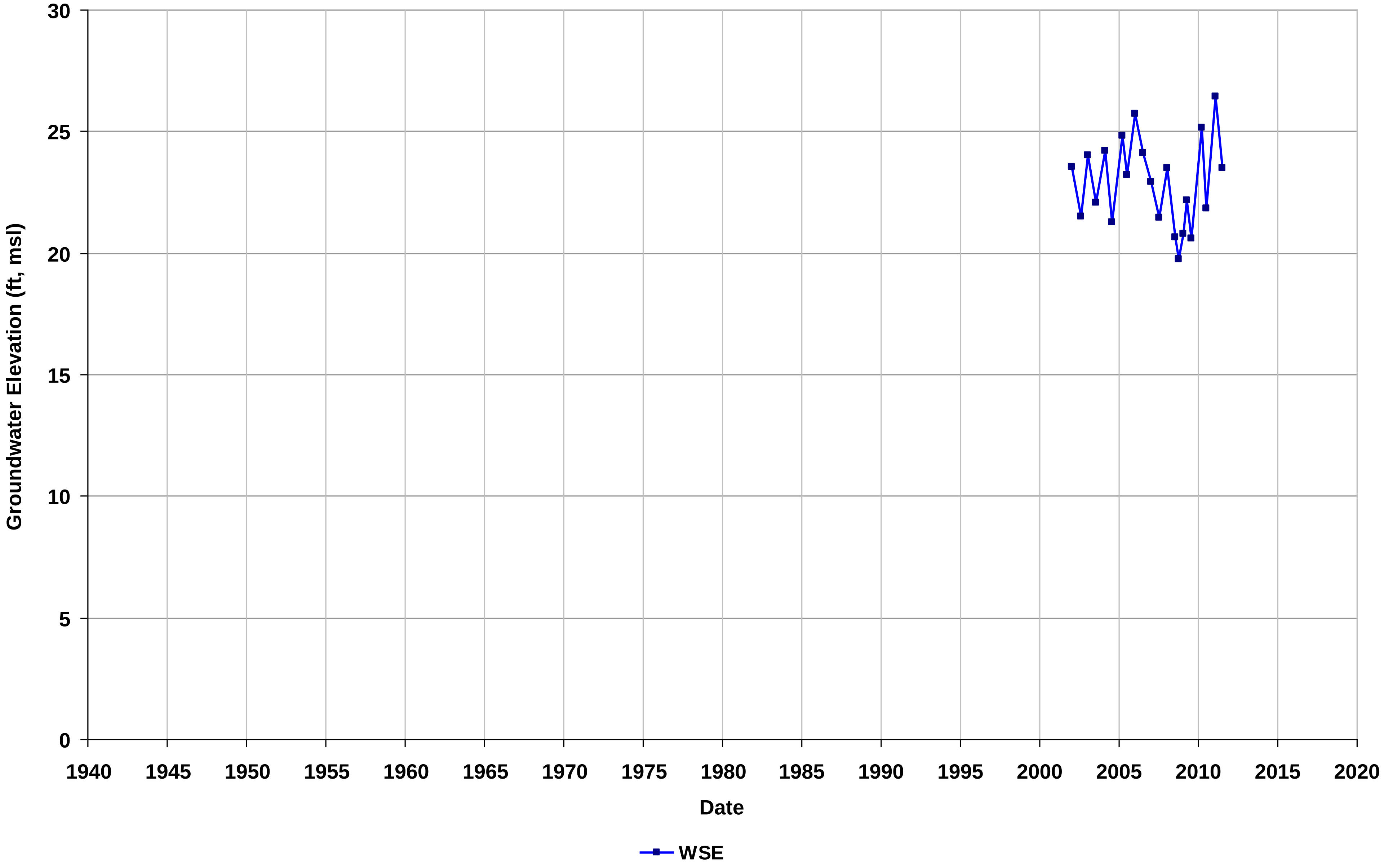
Well Name: T0600100210-AW-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/23
Well Use: Observation



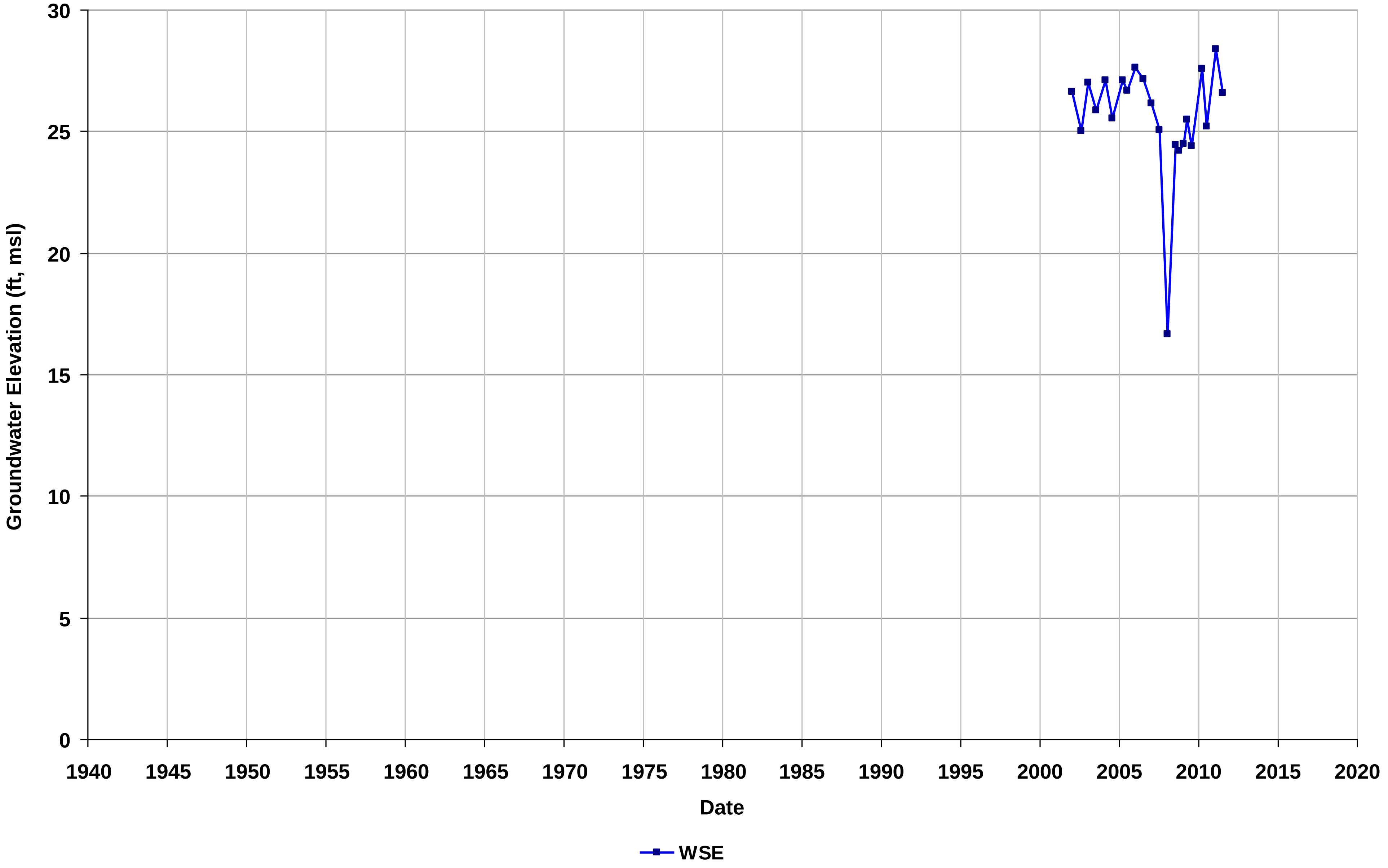
Well Name: T0600100210-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/23
Well Use: Observation



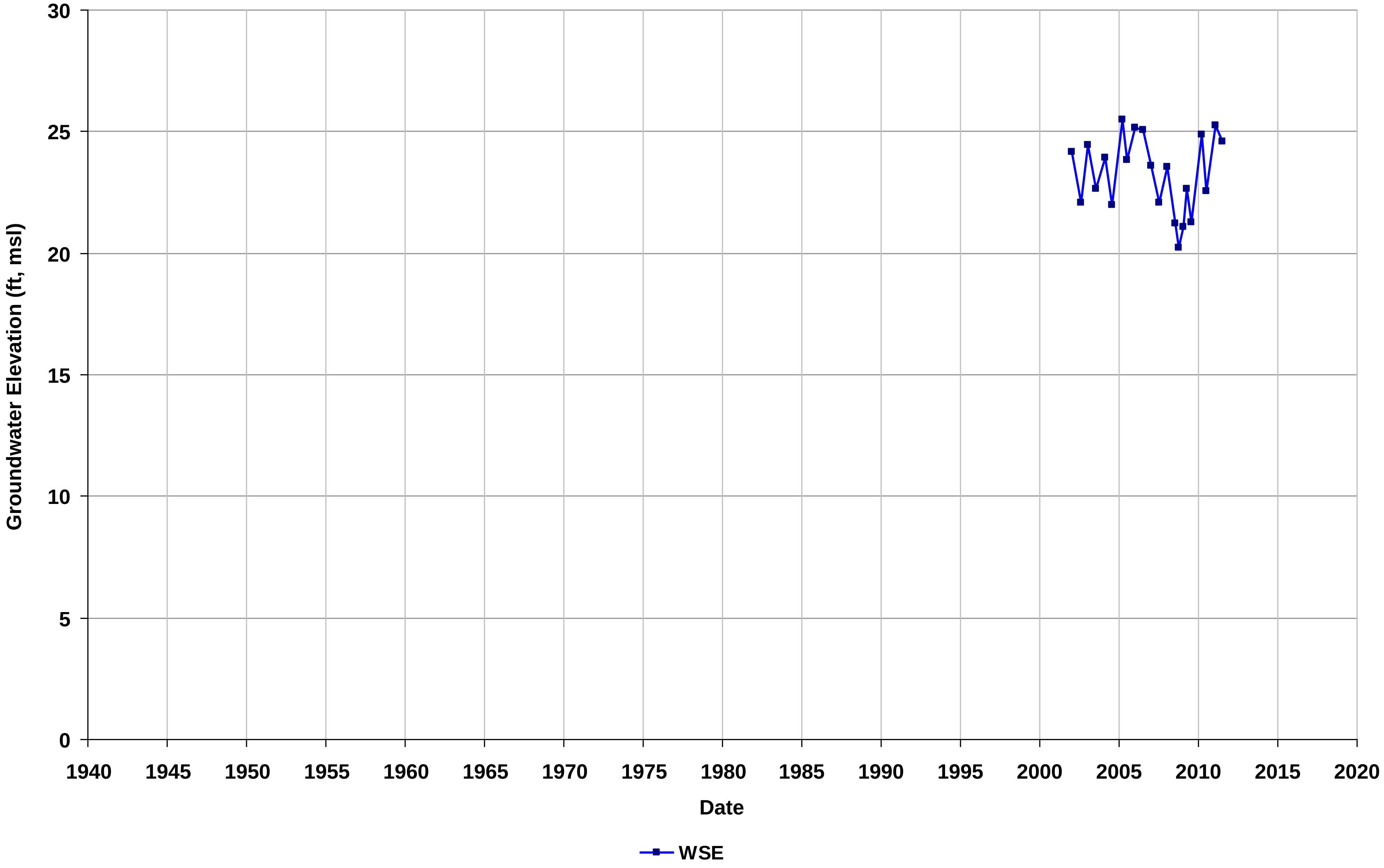
Well Name: T0600100210-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/23
Well Use: Observation



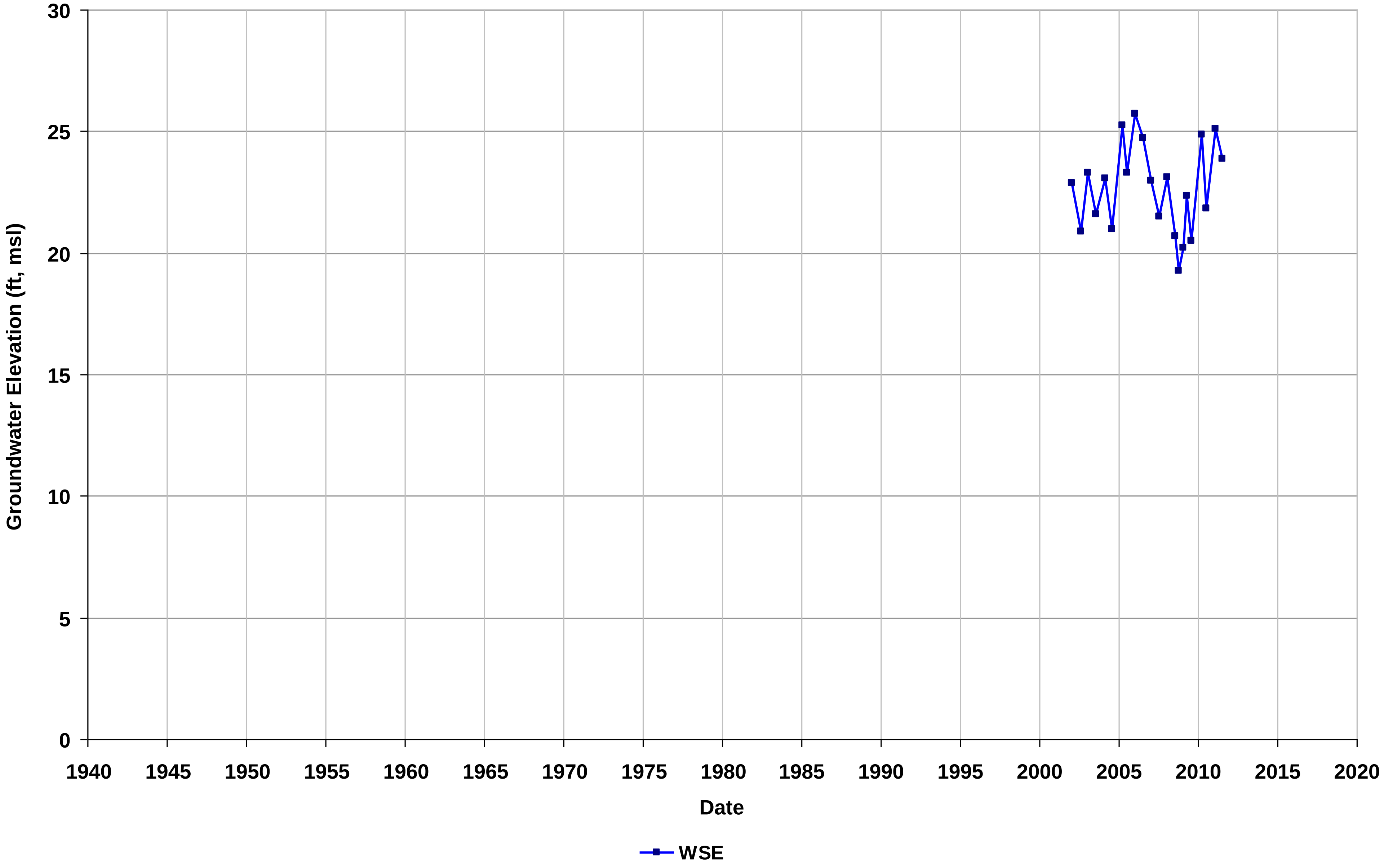
Well Name: T0600100210-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/23
Well Use: Observation



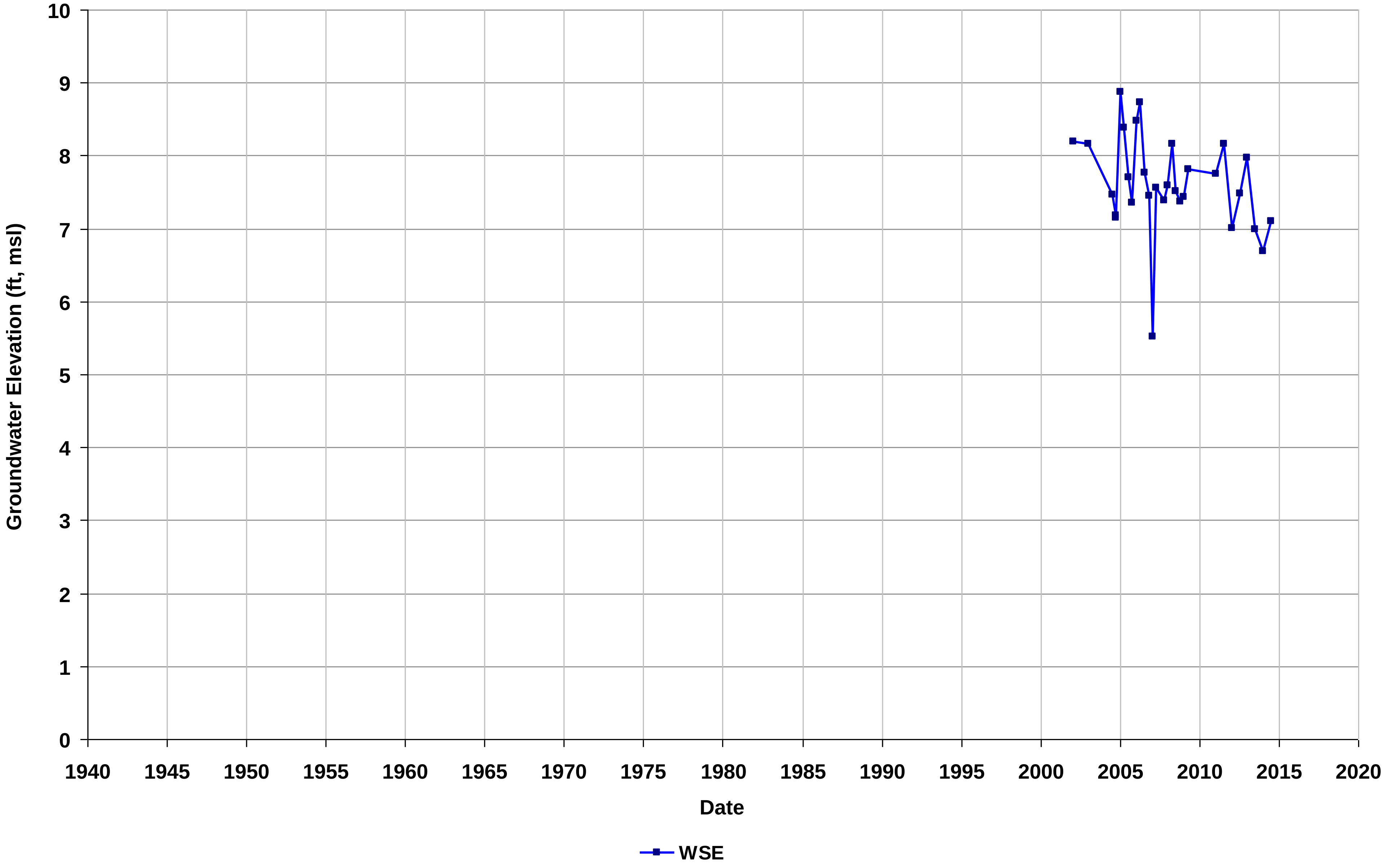
Well Name: T0600100210-RW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/23
Well Use: Observation



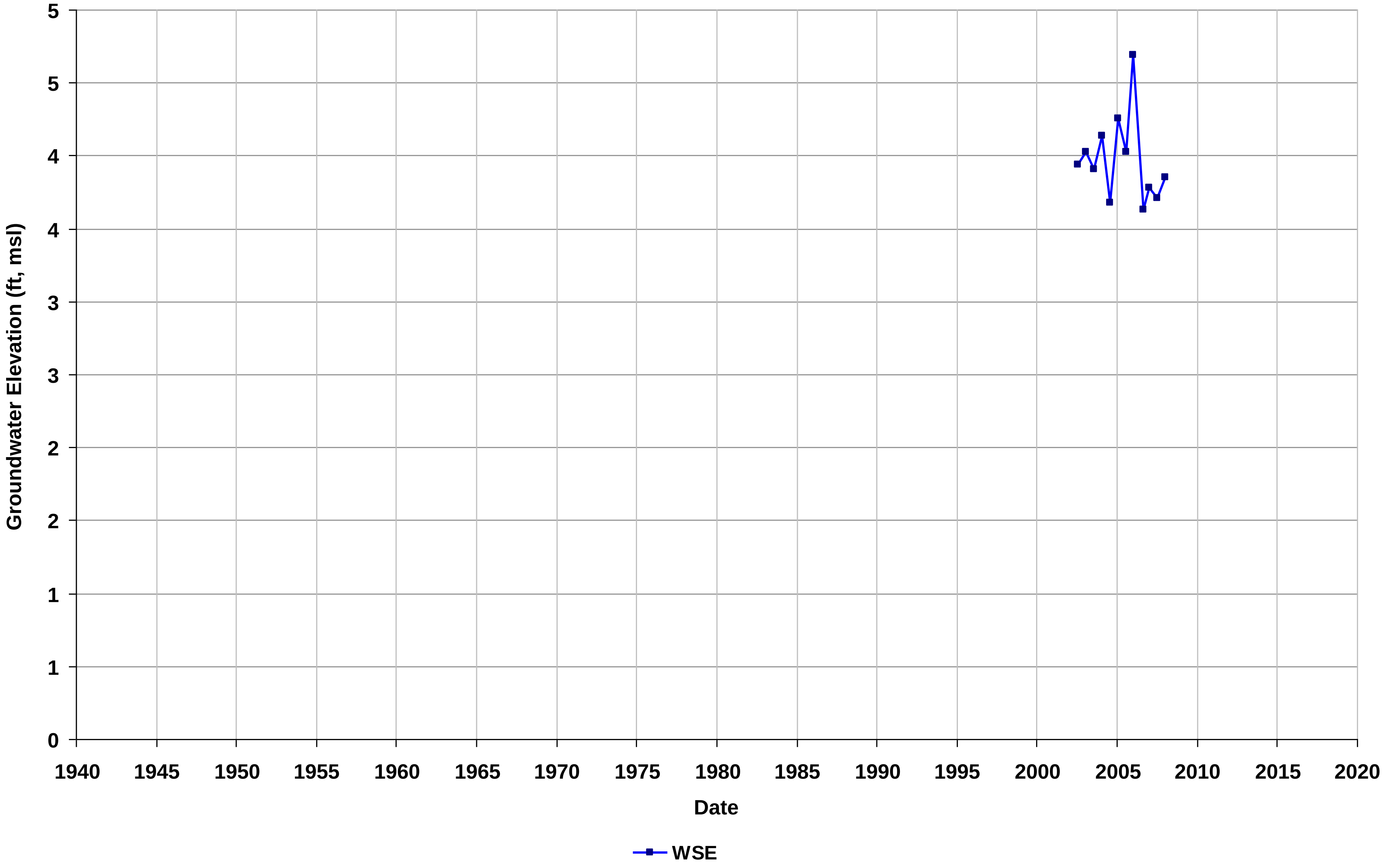
Well Name: T0600100211-ES-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/10
Well Use: Observation



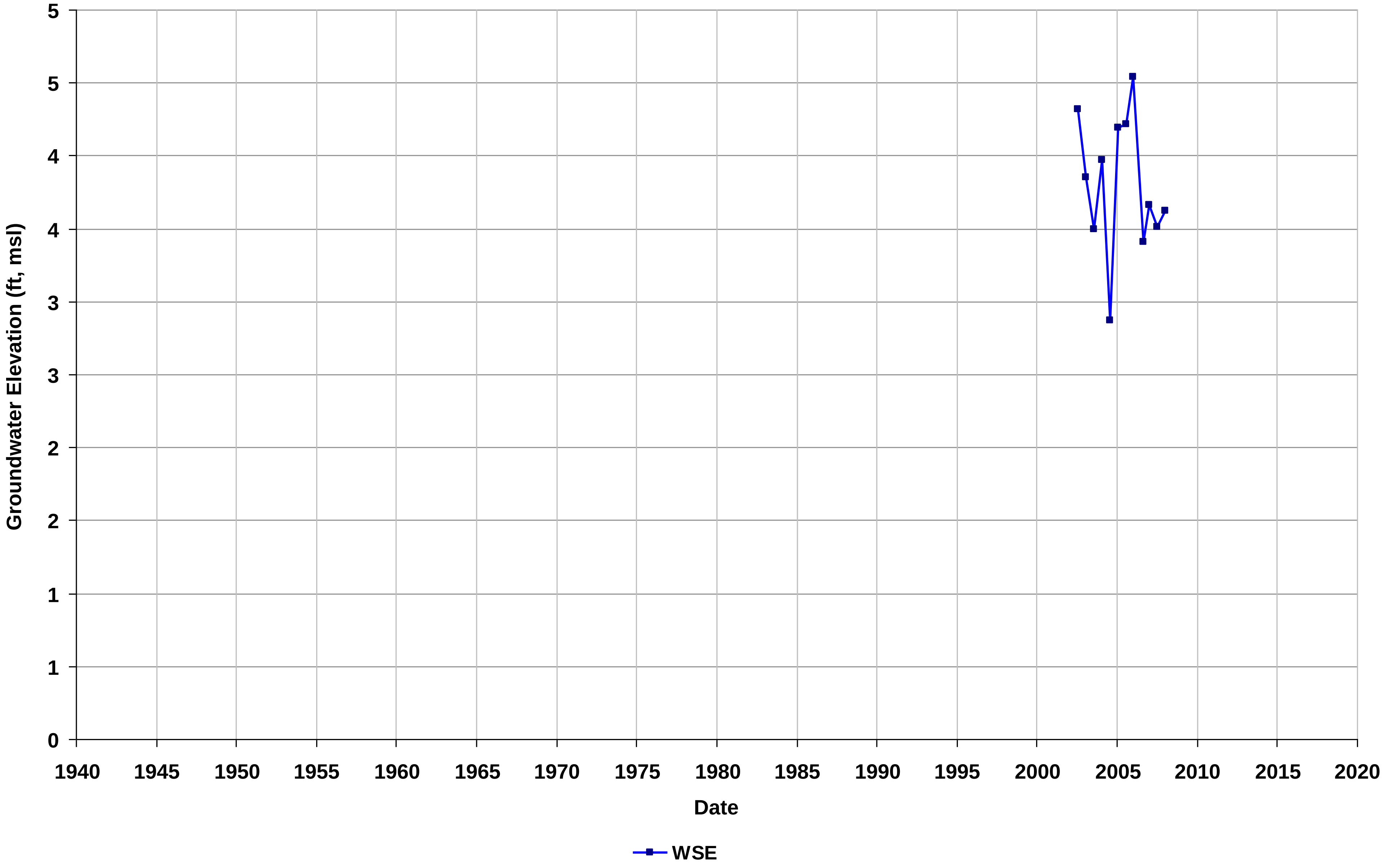
Well Name: T0600100212-E-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/15
Well Use: Observation



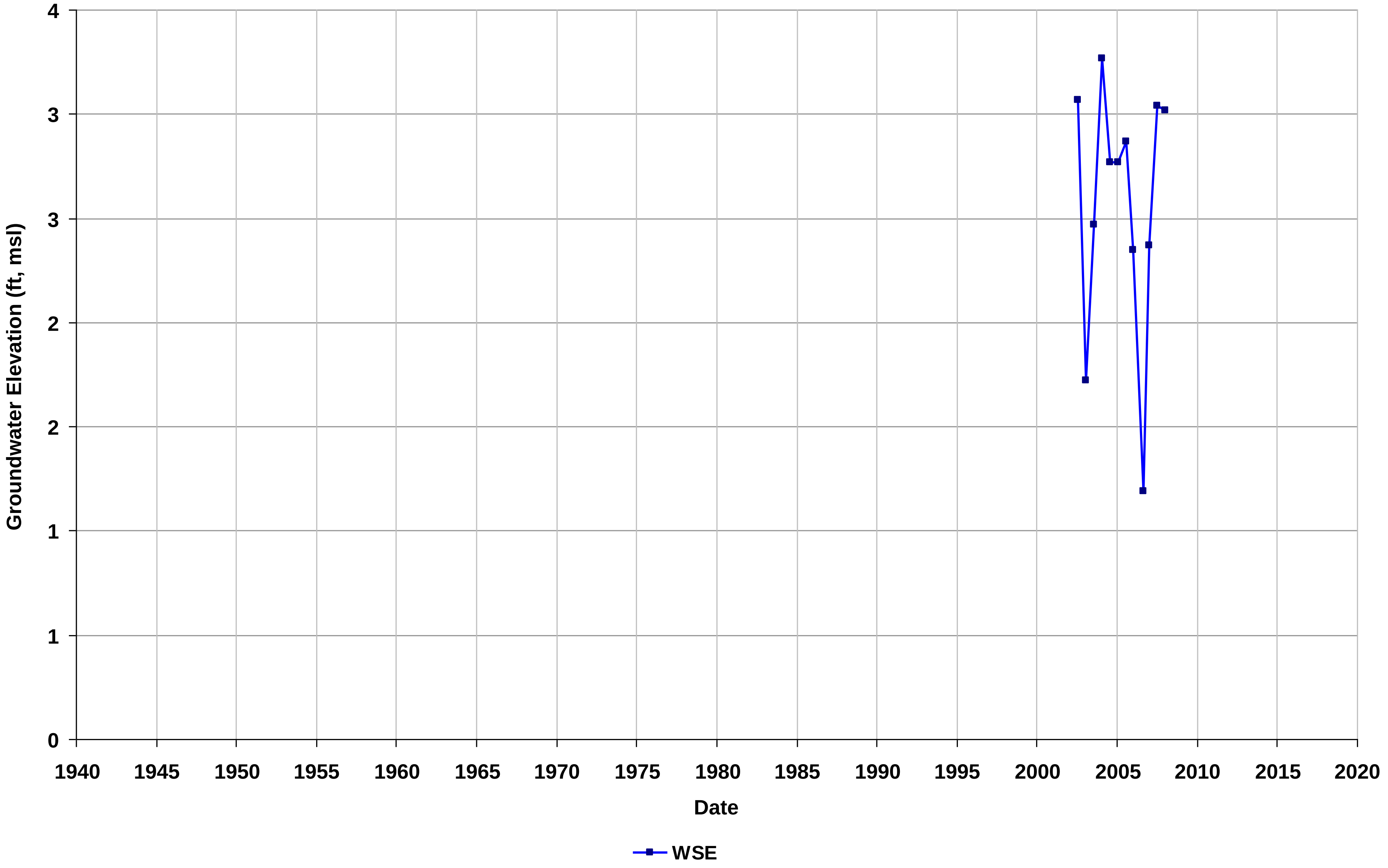
Well Name: T0600100212-E-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/15
Well Use: Observation



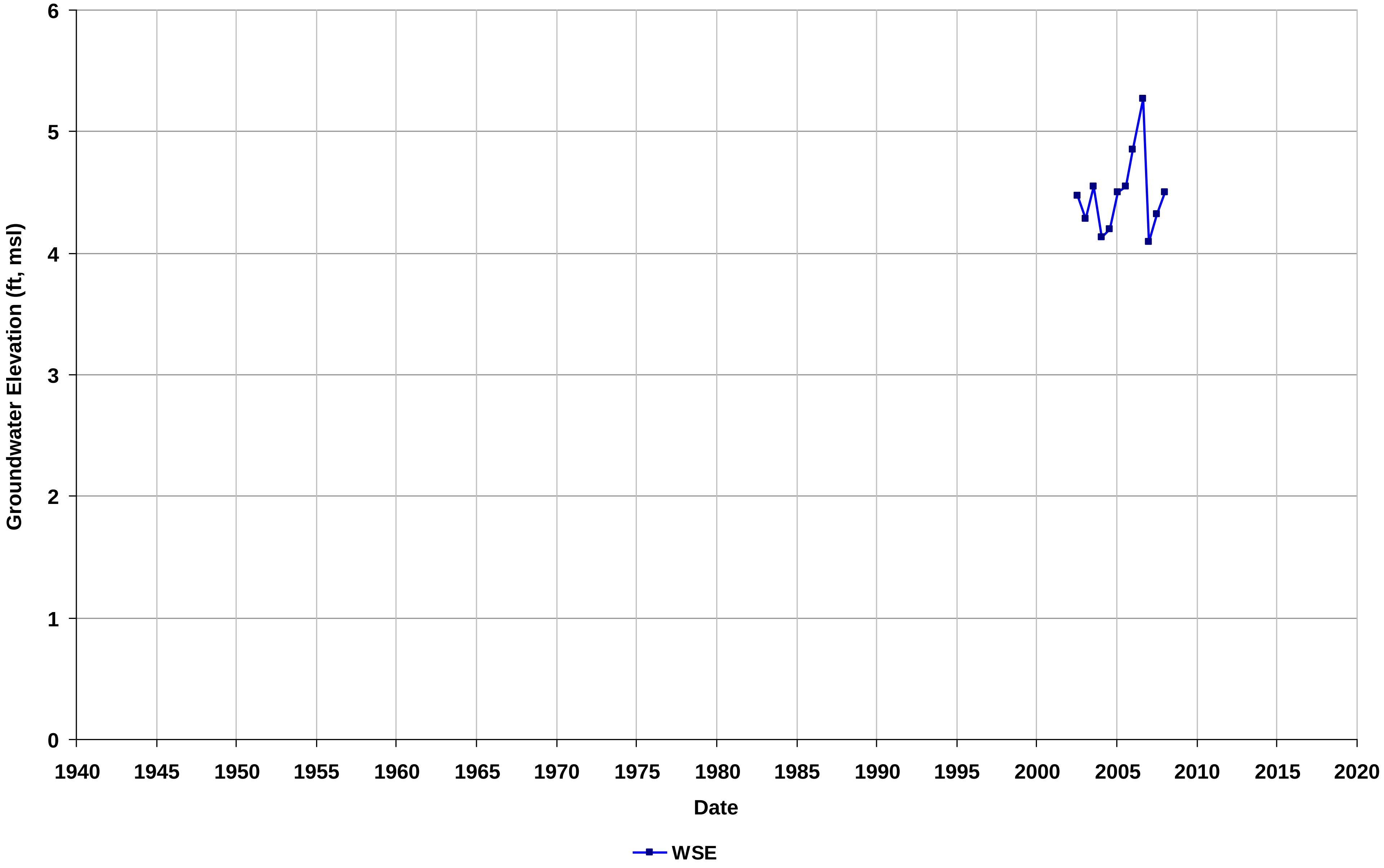
Well Name: T0600100212-MW-10
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/15
Well Use: Observation



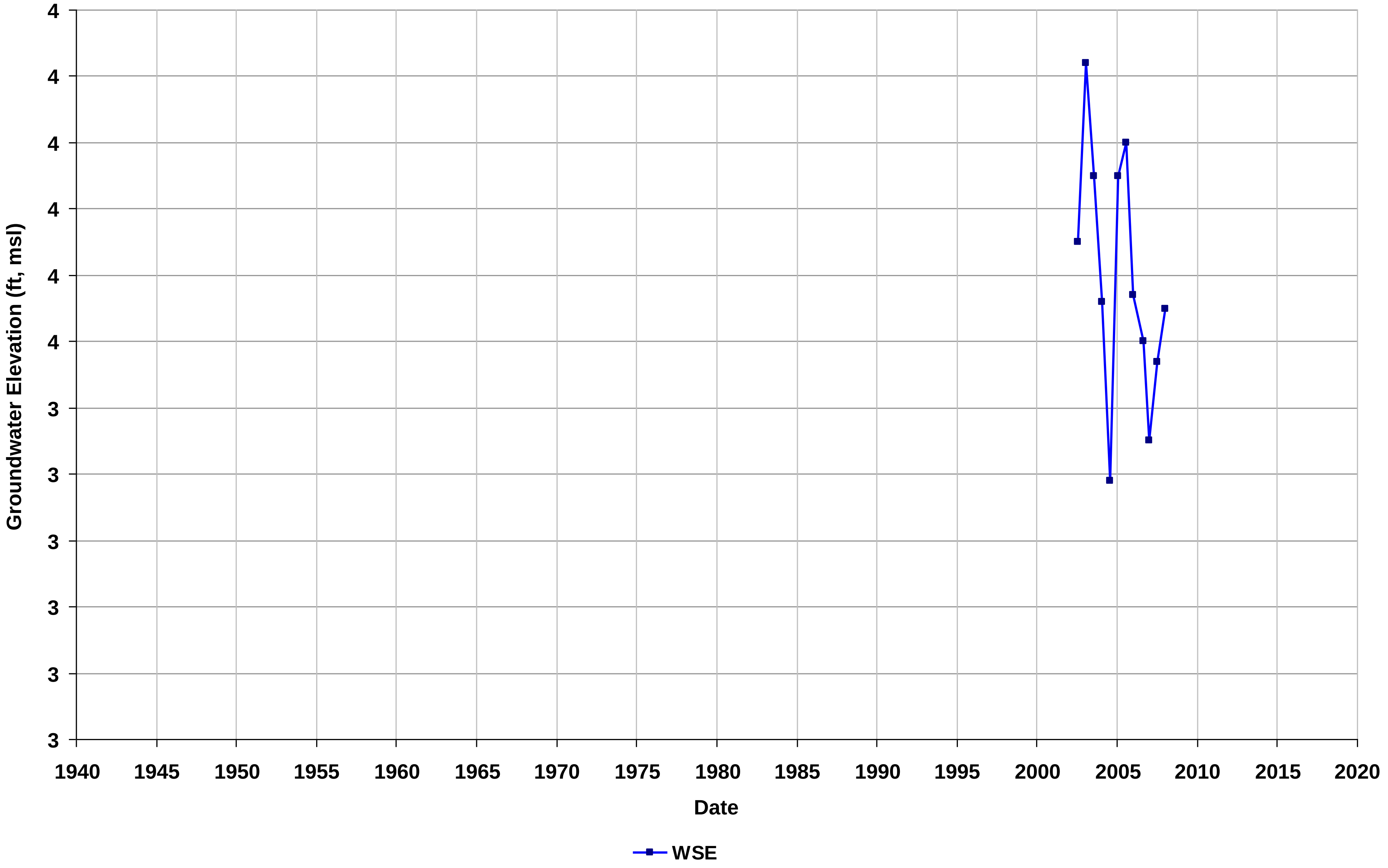
Well Name: T0600100212-MW-11
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/15
Well Use: Observation



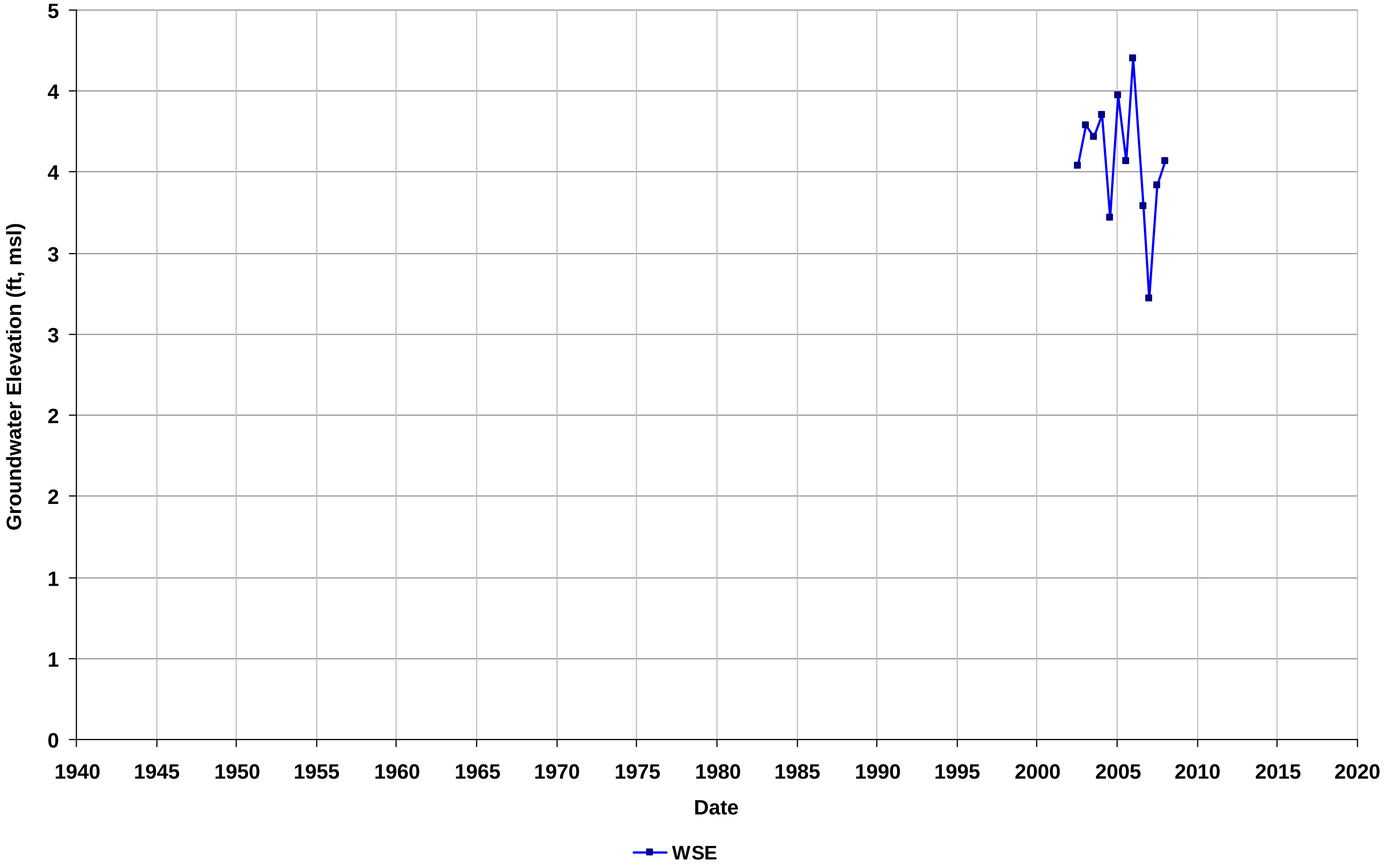
Well Name: T0600100212-MW-12
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/15
Well Use: Observation



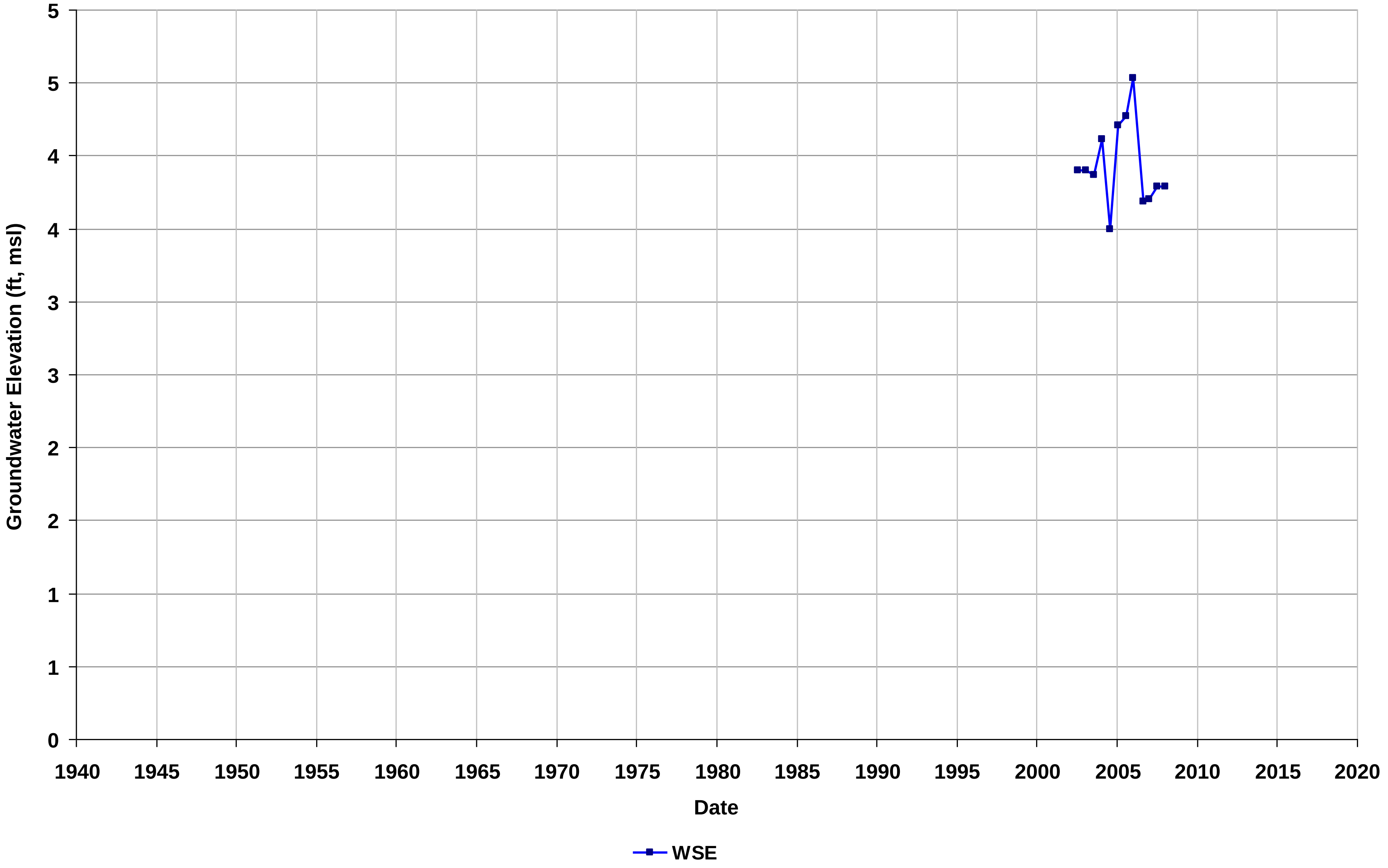
Well Name: T0600100212-MW-5
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/15
Well Use: Observation



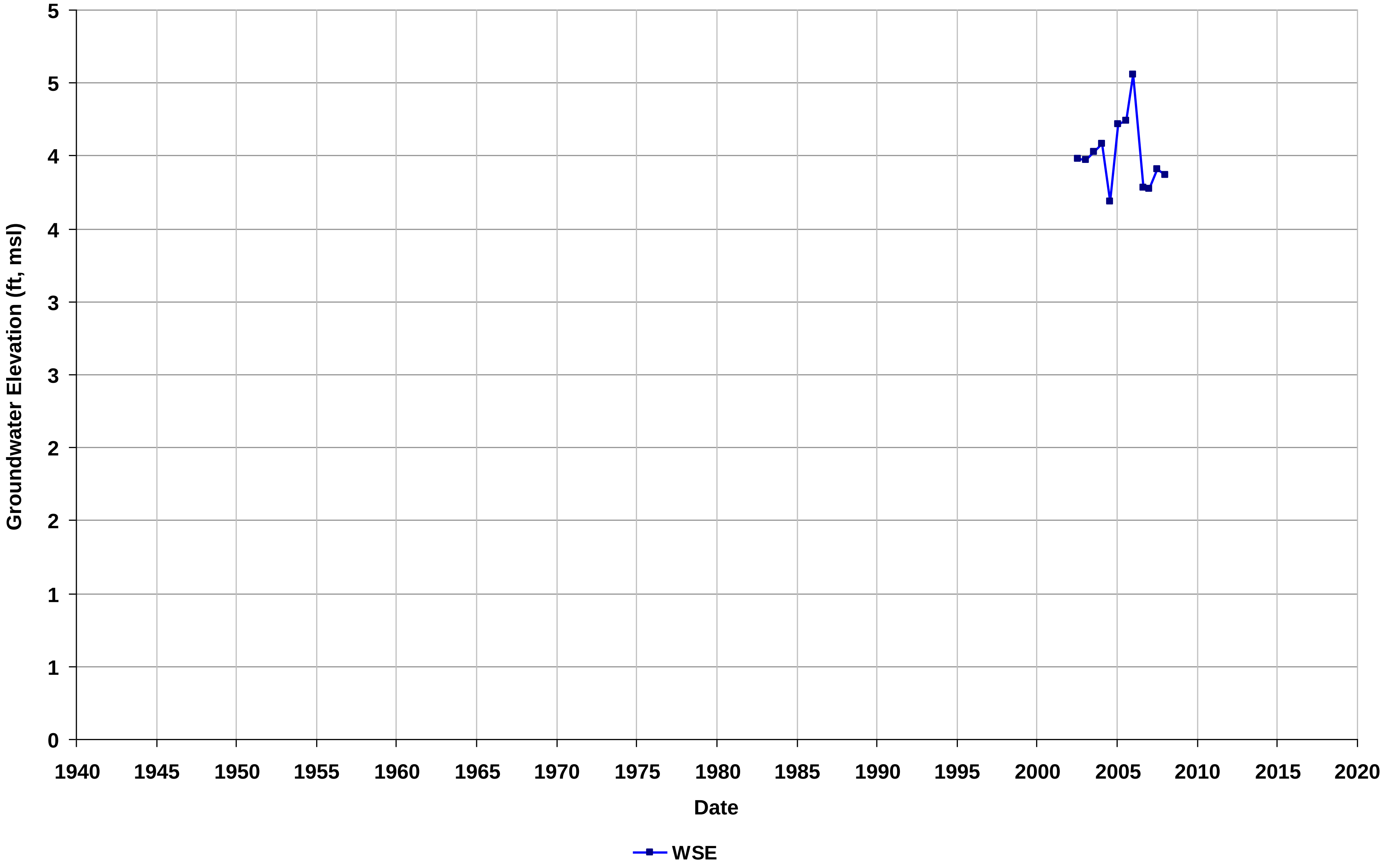
Well Name: T0600100212-MW-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/15
Well Use: Observation



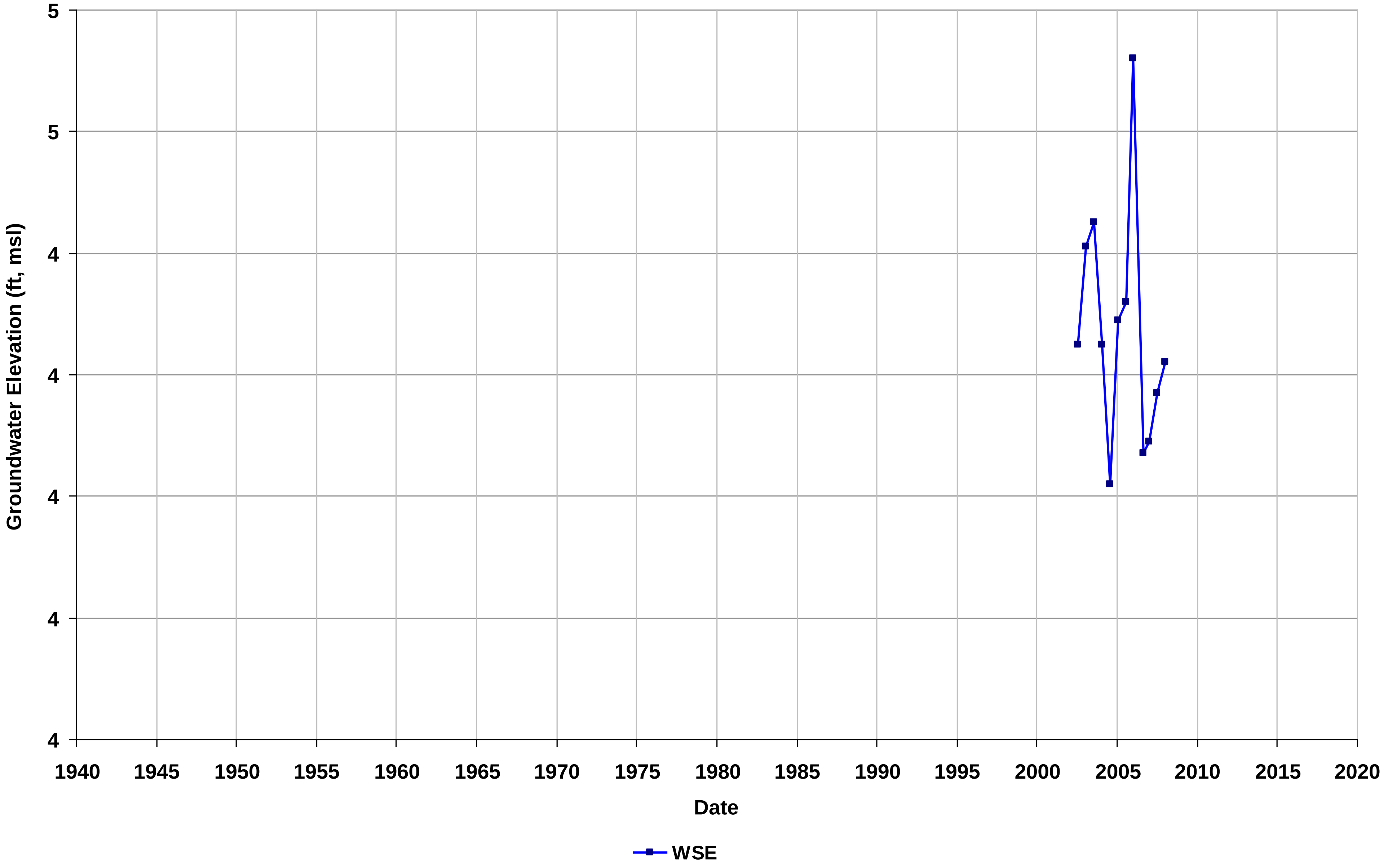
Well Name: T0600100212-MW-7
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/15
Well Use: Observation



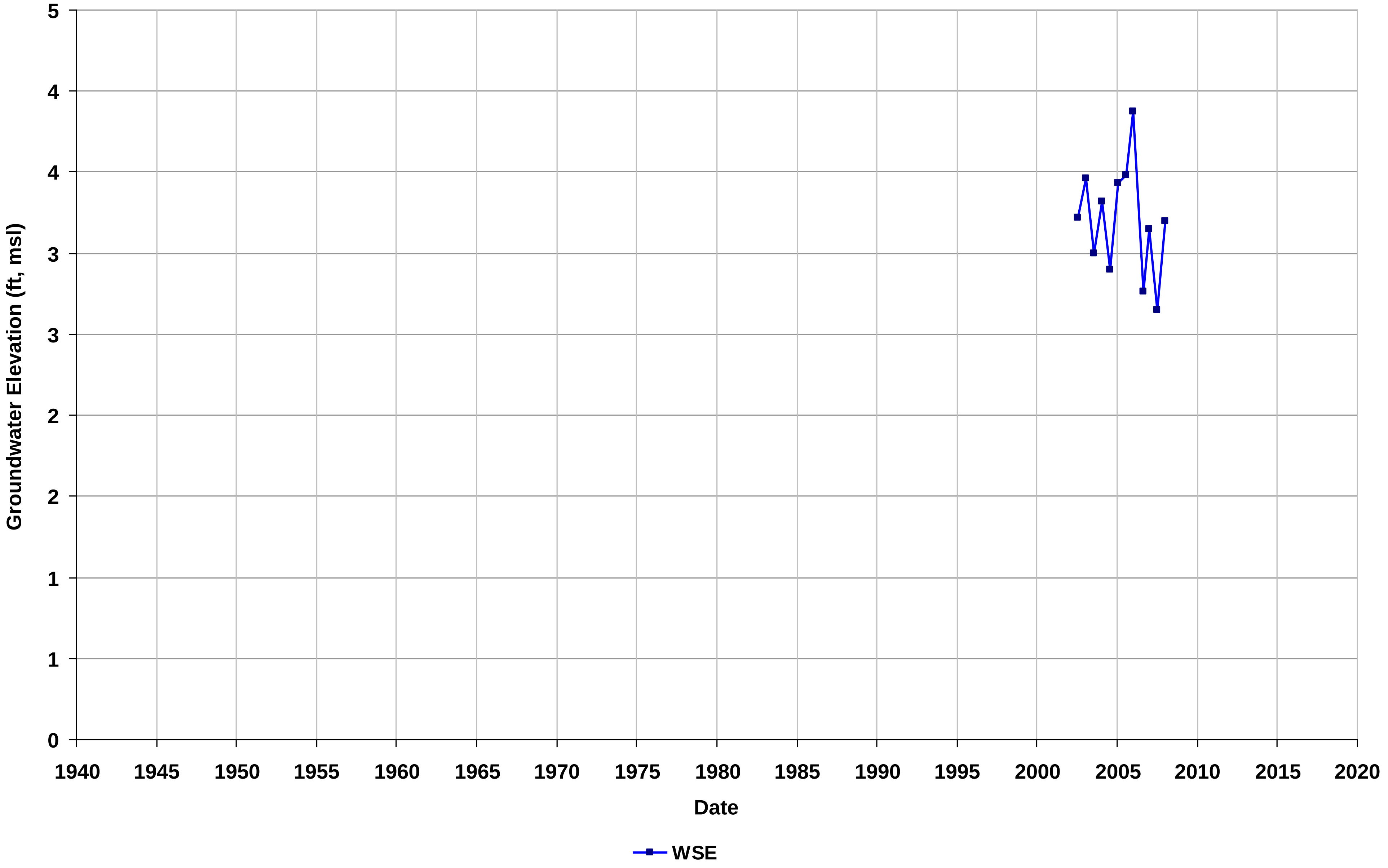
Well Name: T0600100212-MW-8
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/15
Well Use: Observation



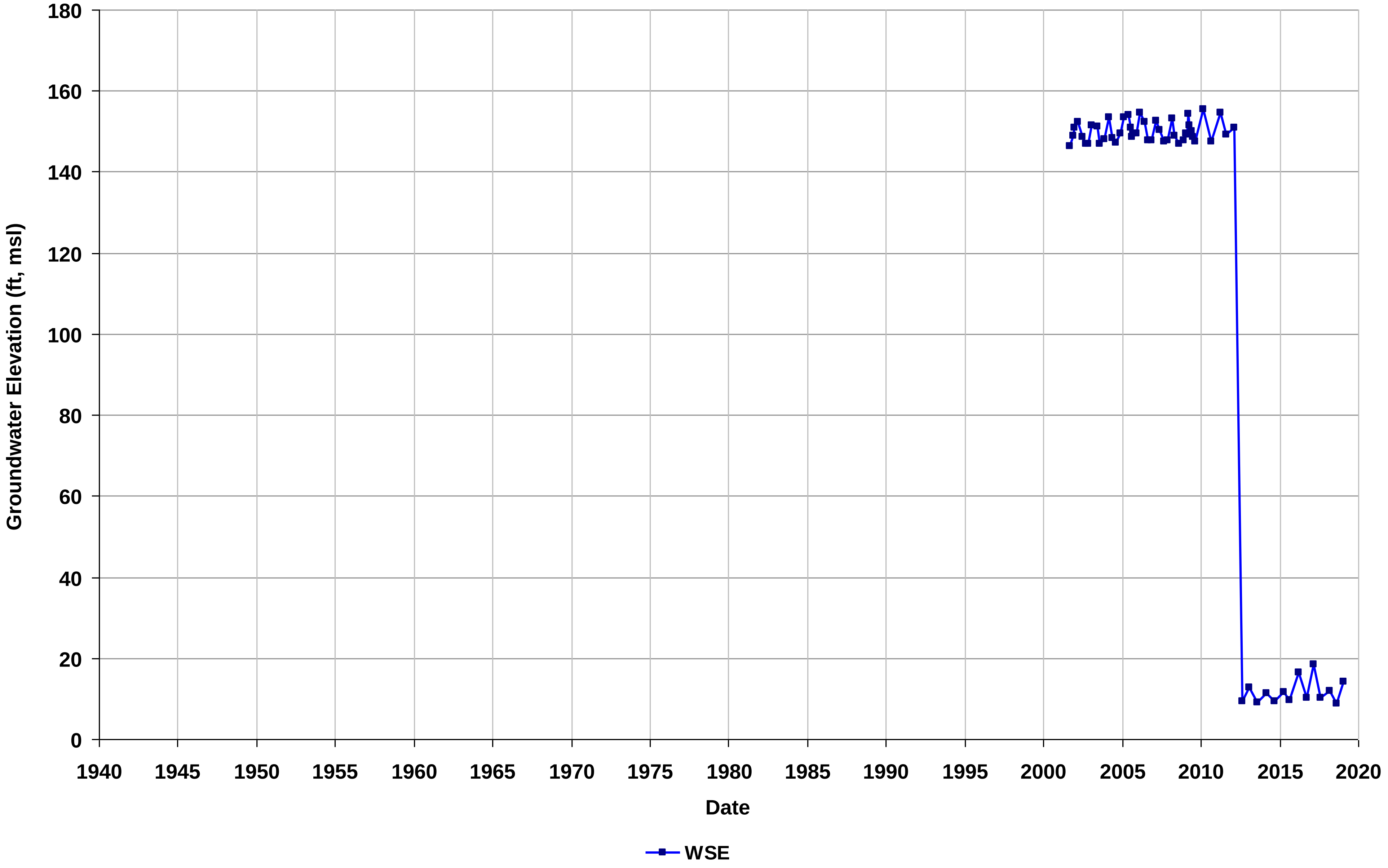
Well Name: T0600100212-MW-9
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/15
Well Use: Observation



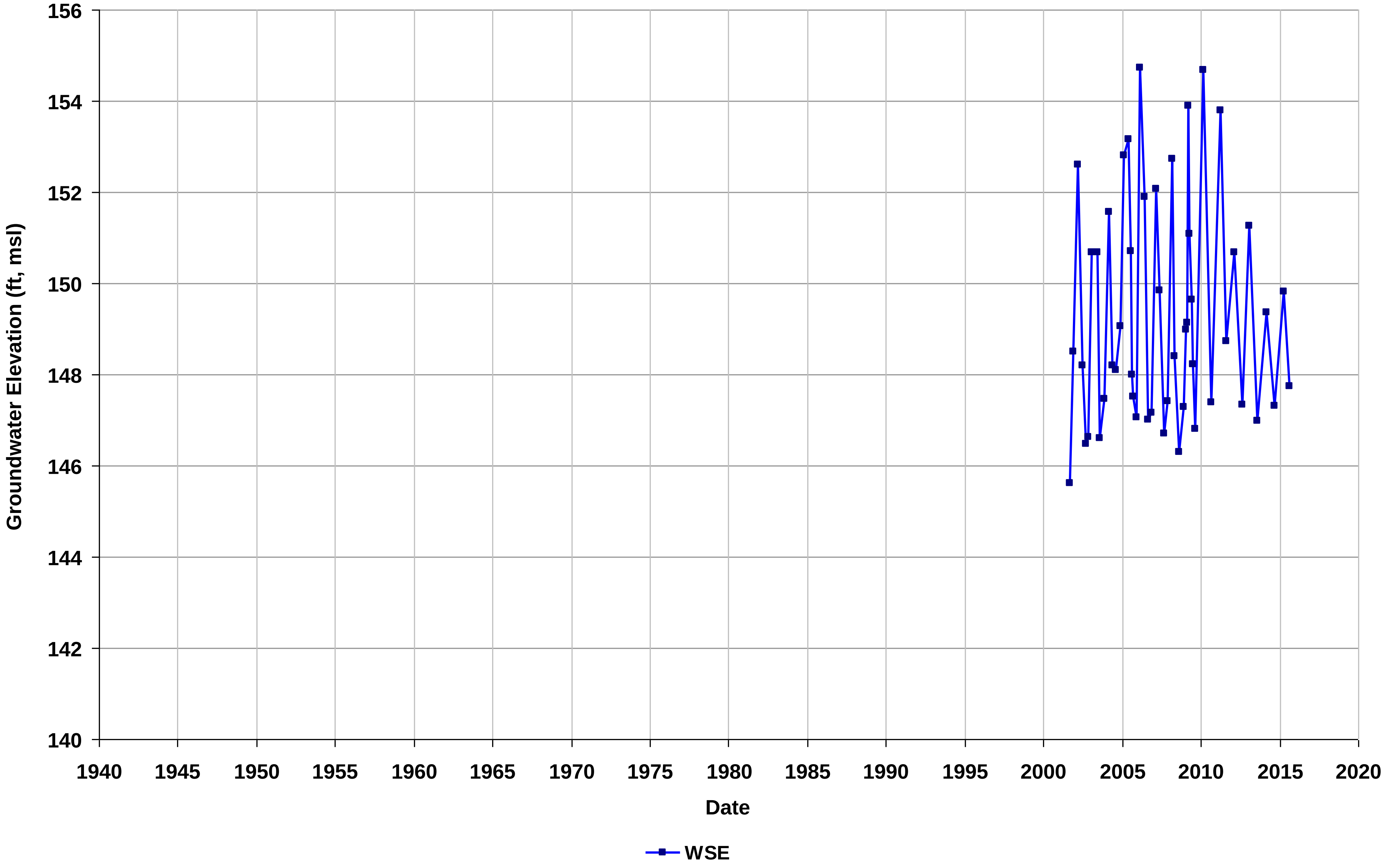
Well Name: T0600100213-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



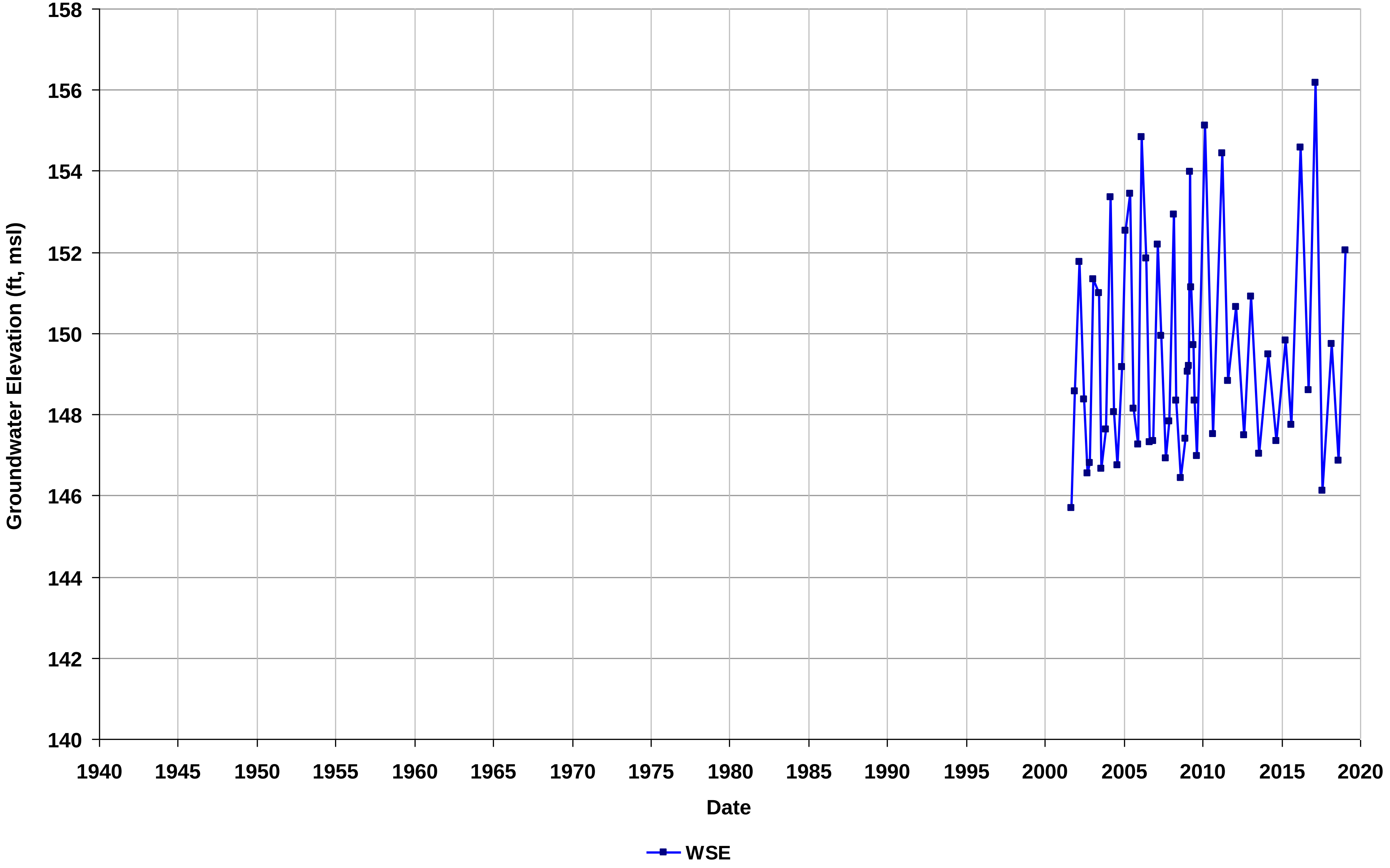
Well Name: T0600100213-MW-10
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



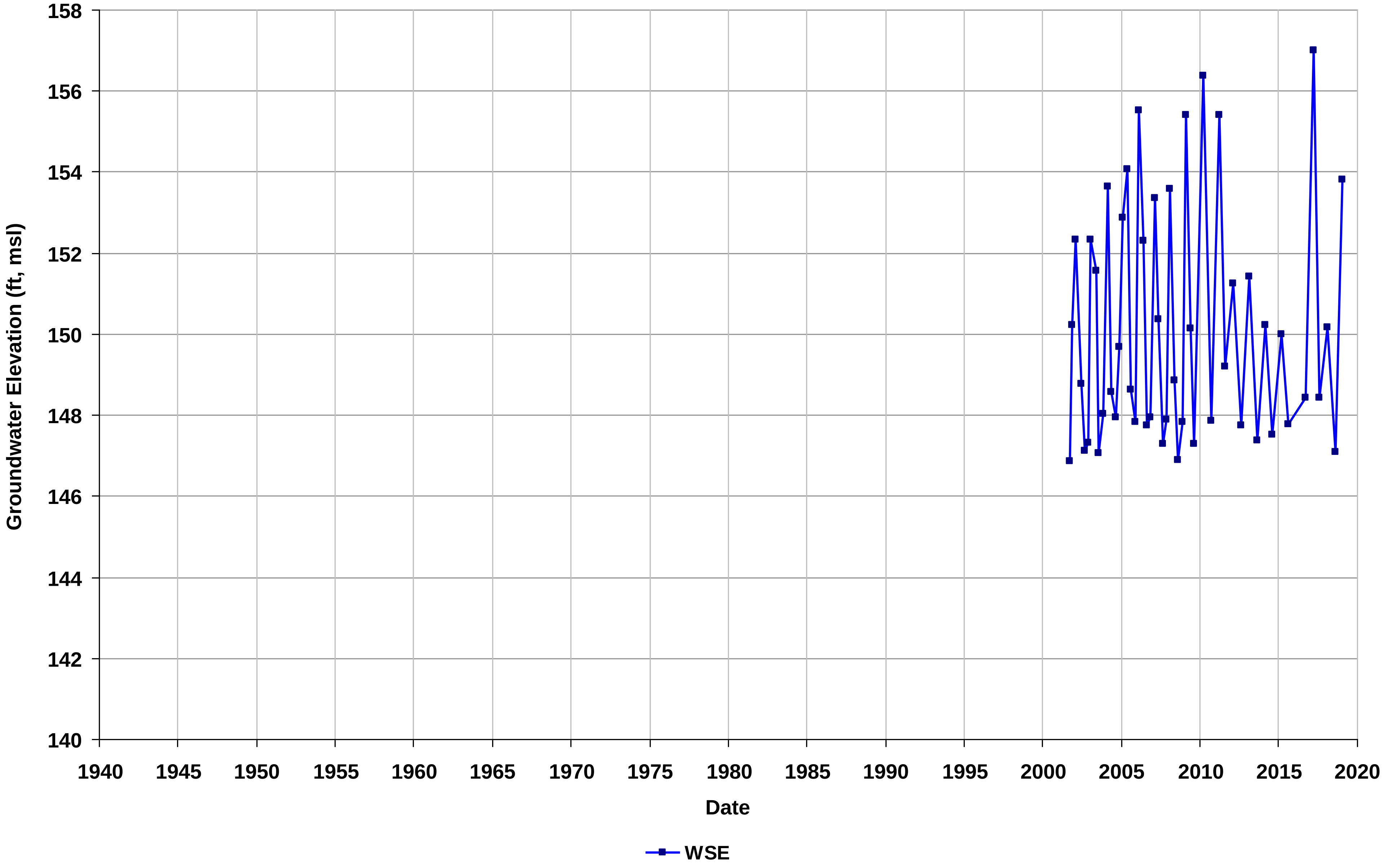
Well Name: T0600100213-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



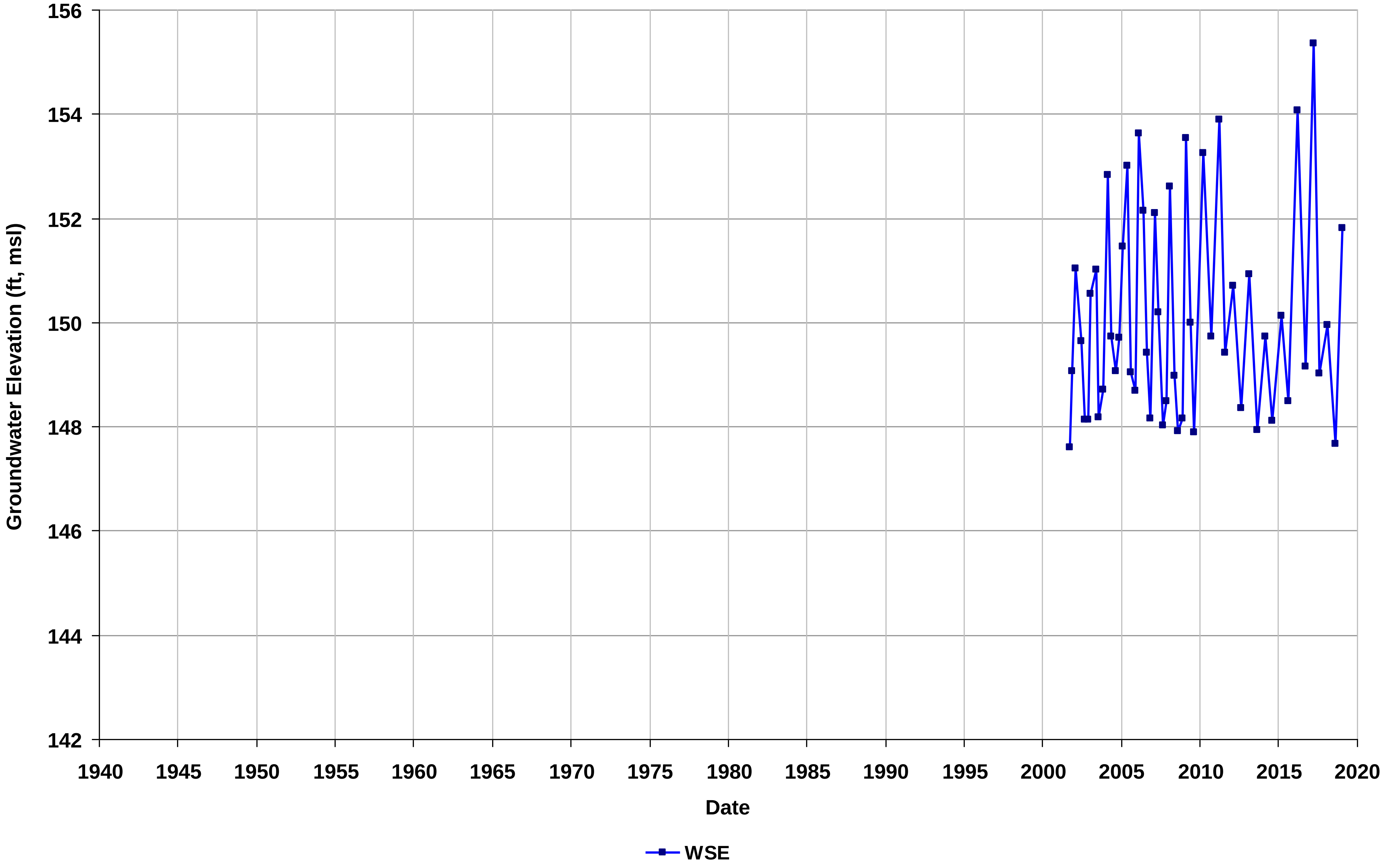
Well Name: T0600100213-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



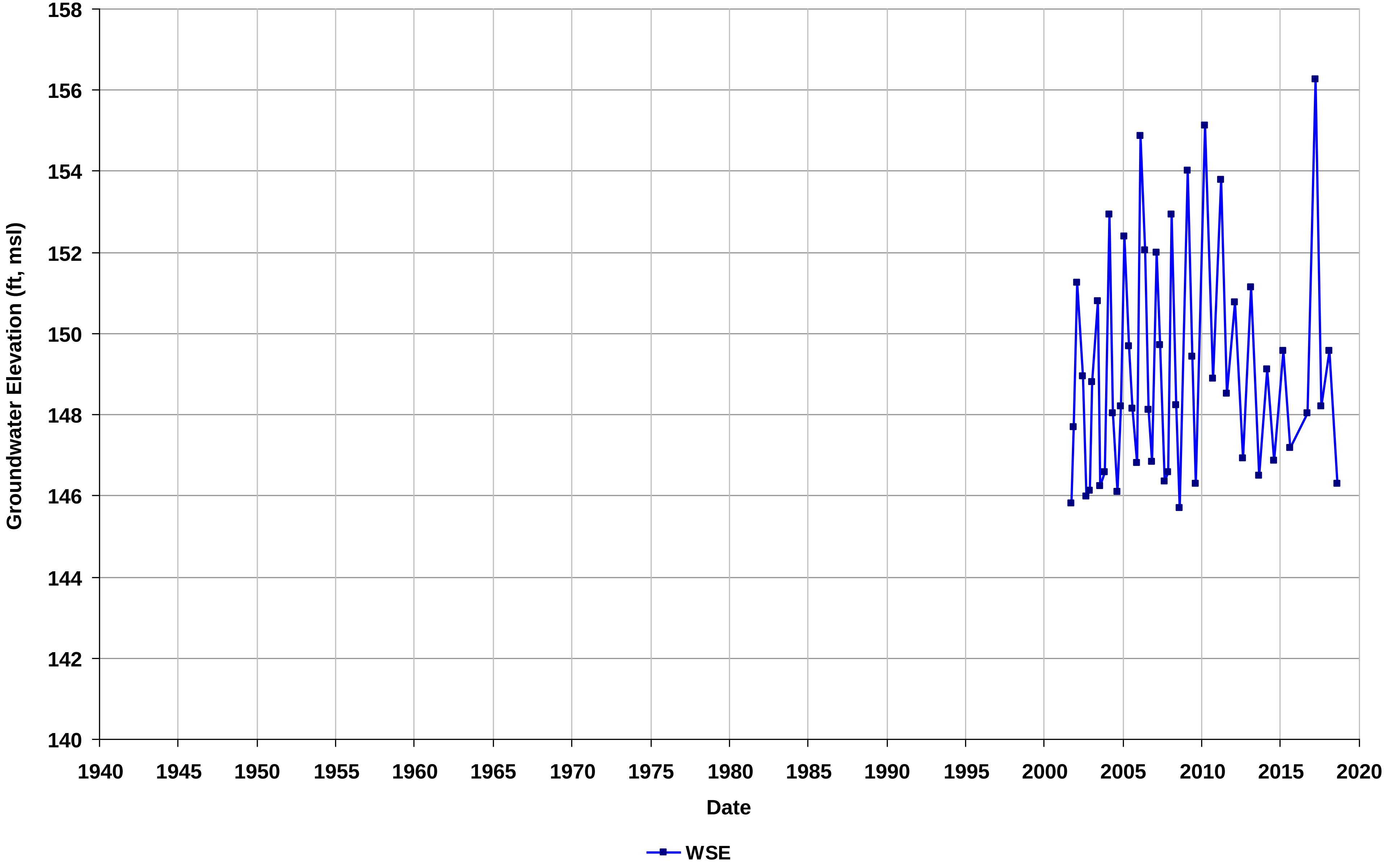
Well Name: T0600100213-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



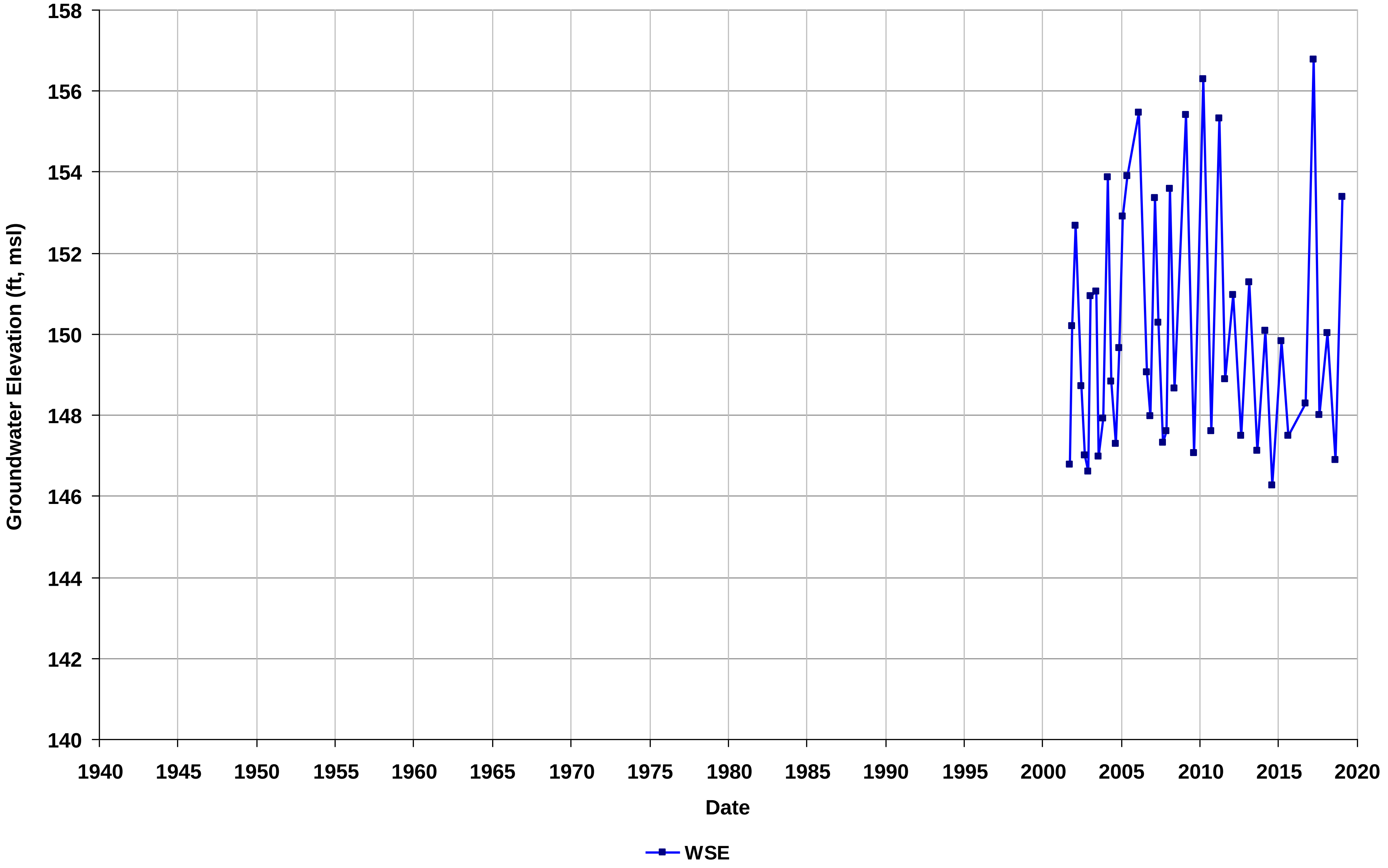
Well Name: T0600100213-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



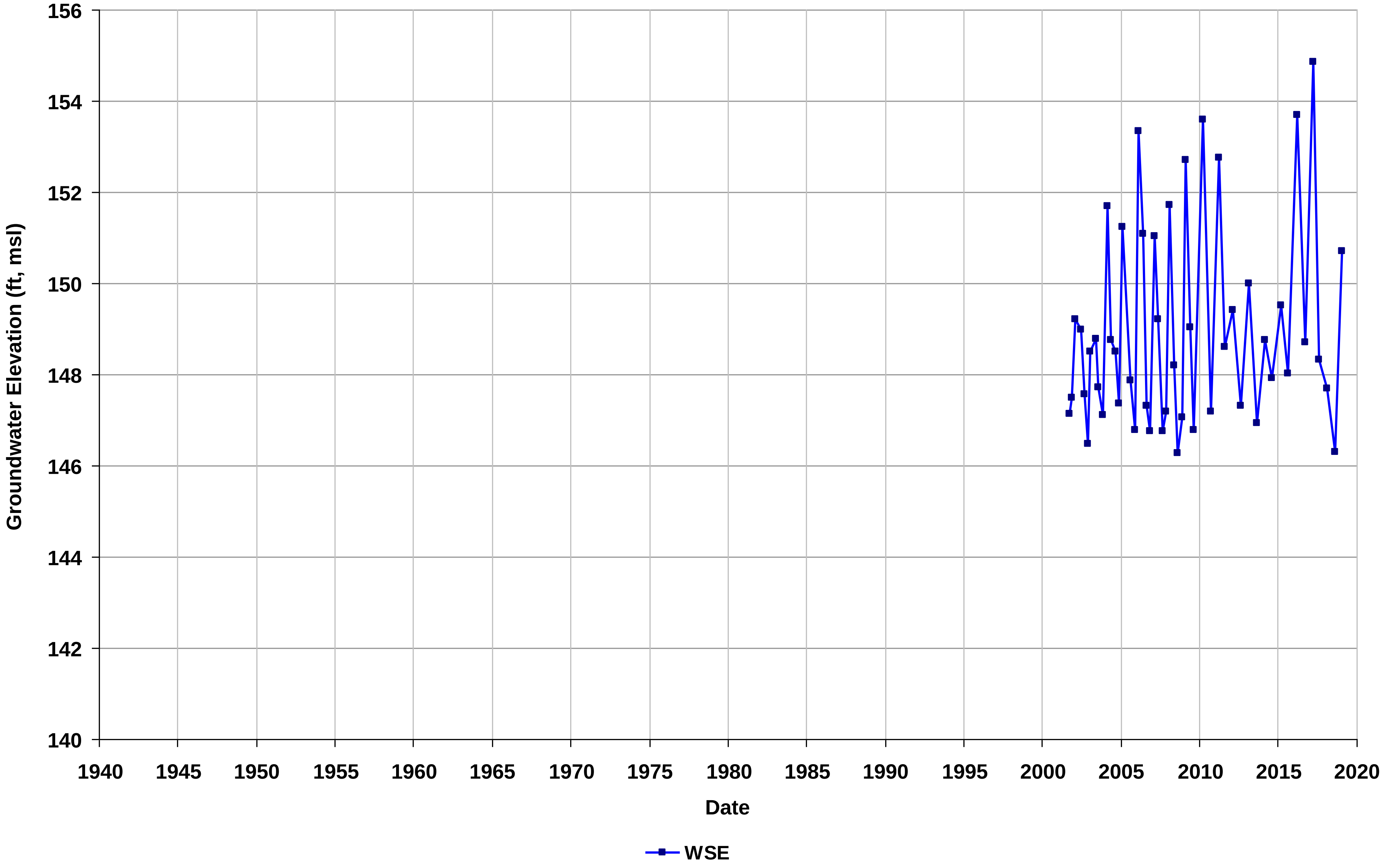
Well Name: T0600100213-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



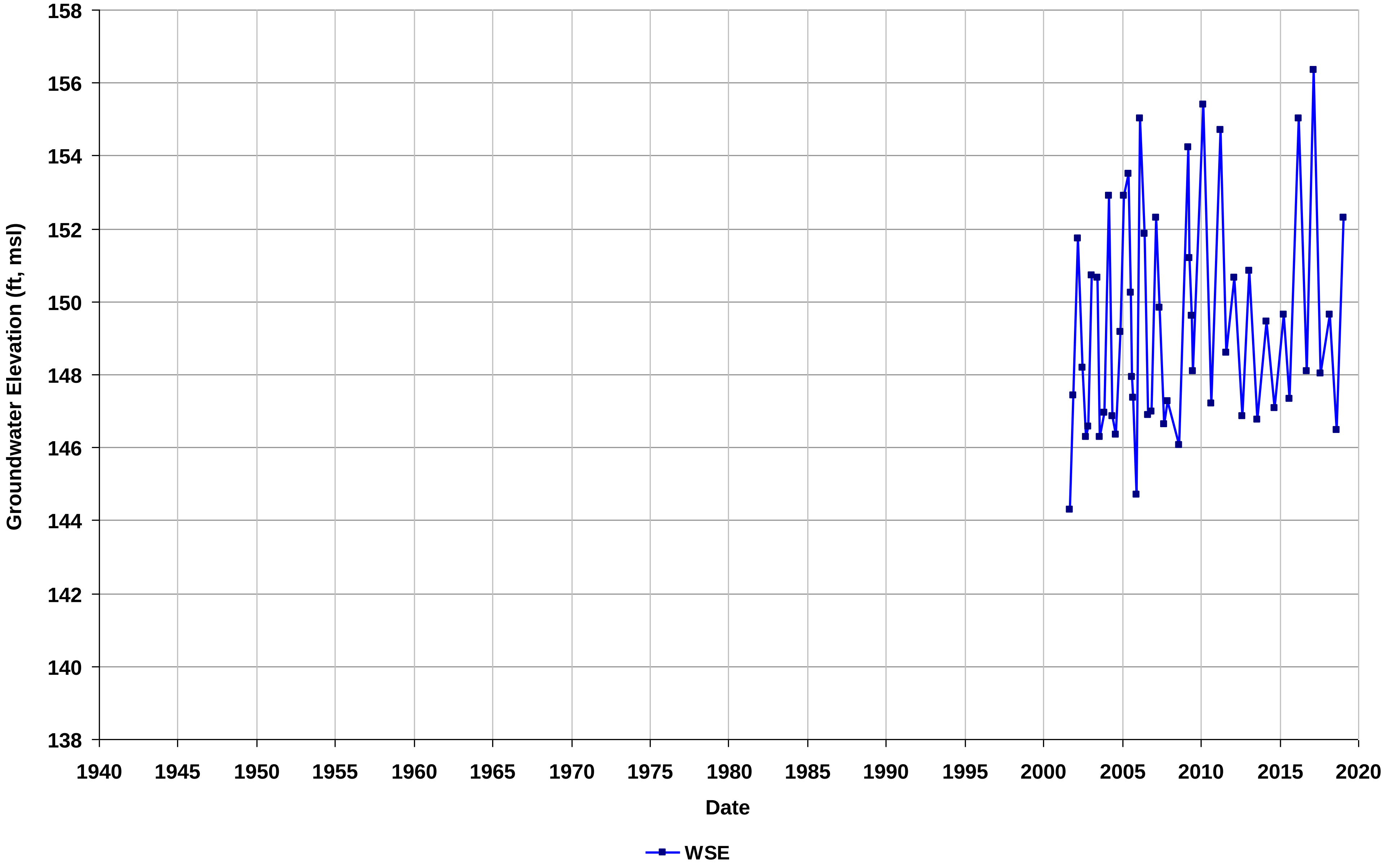
Well Name: T0600100213-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



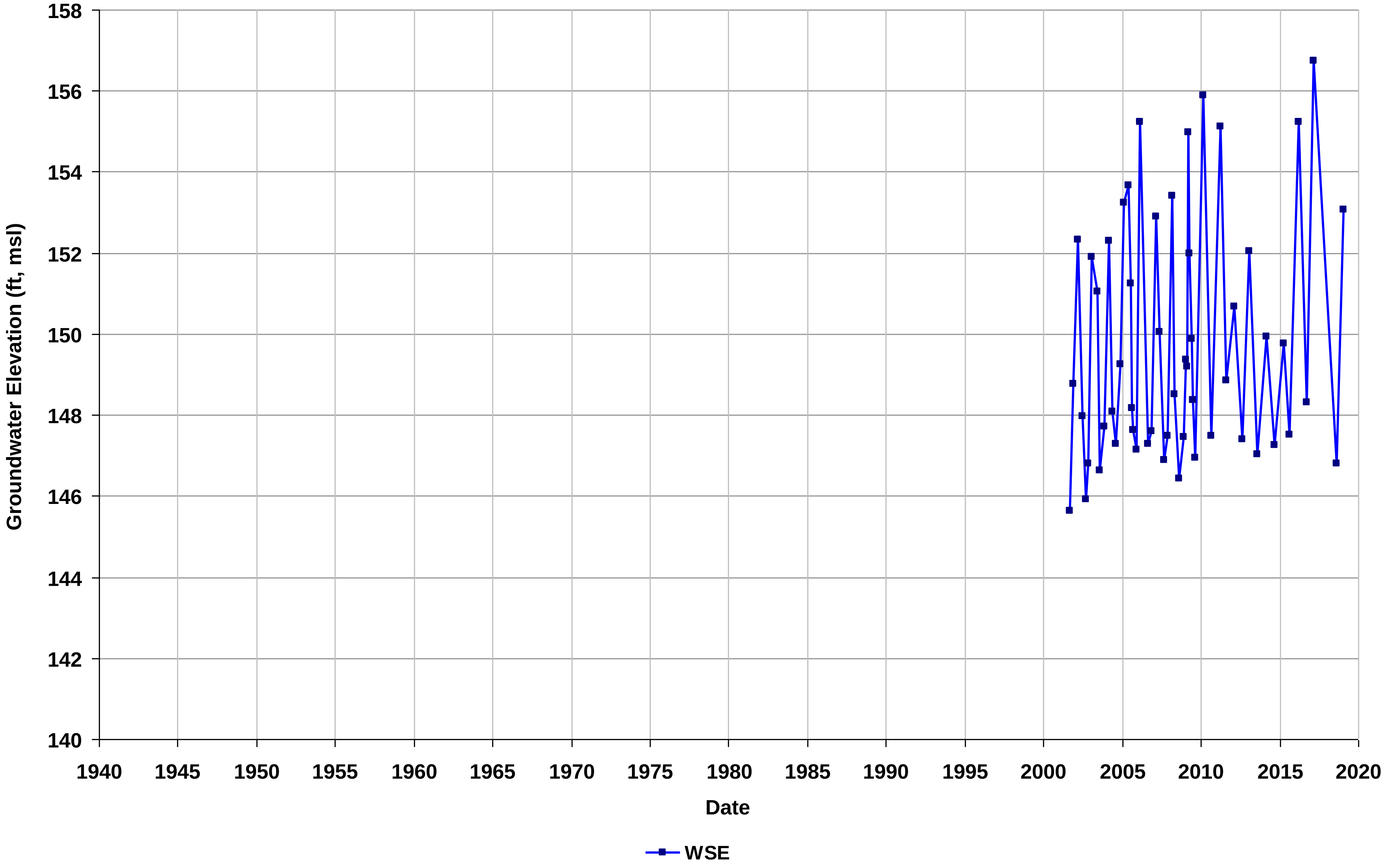
Well Name: T0600100213-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



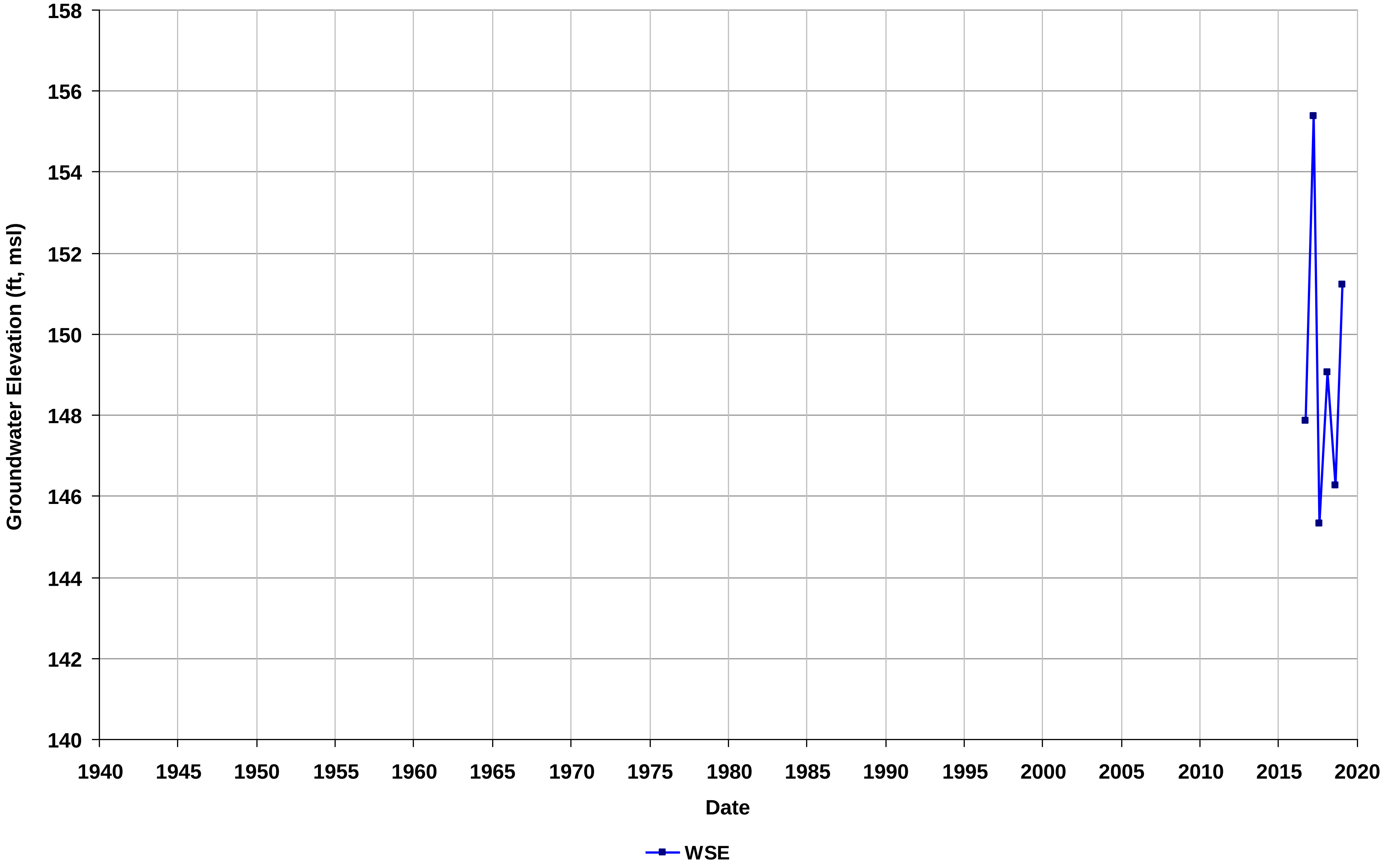
Well Name: T0600100213-MW-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



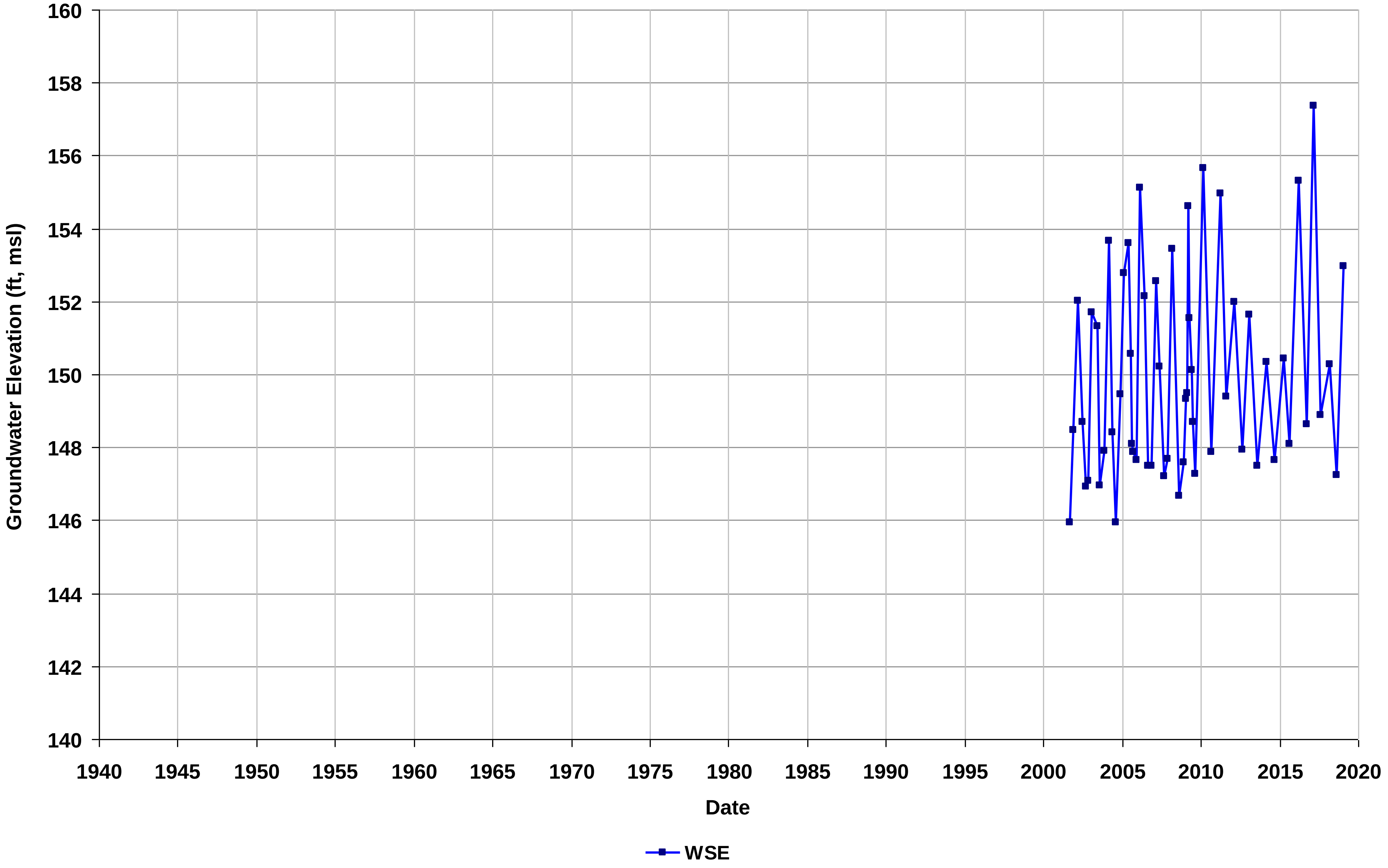
Well Name: T0600100213-OW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



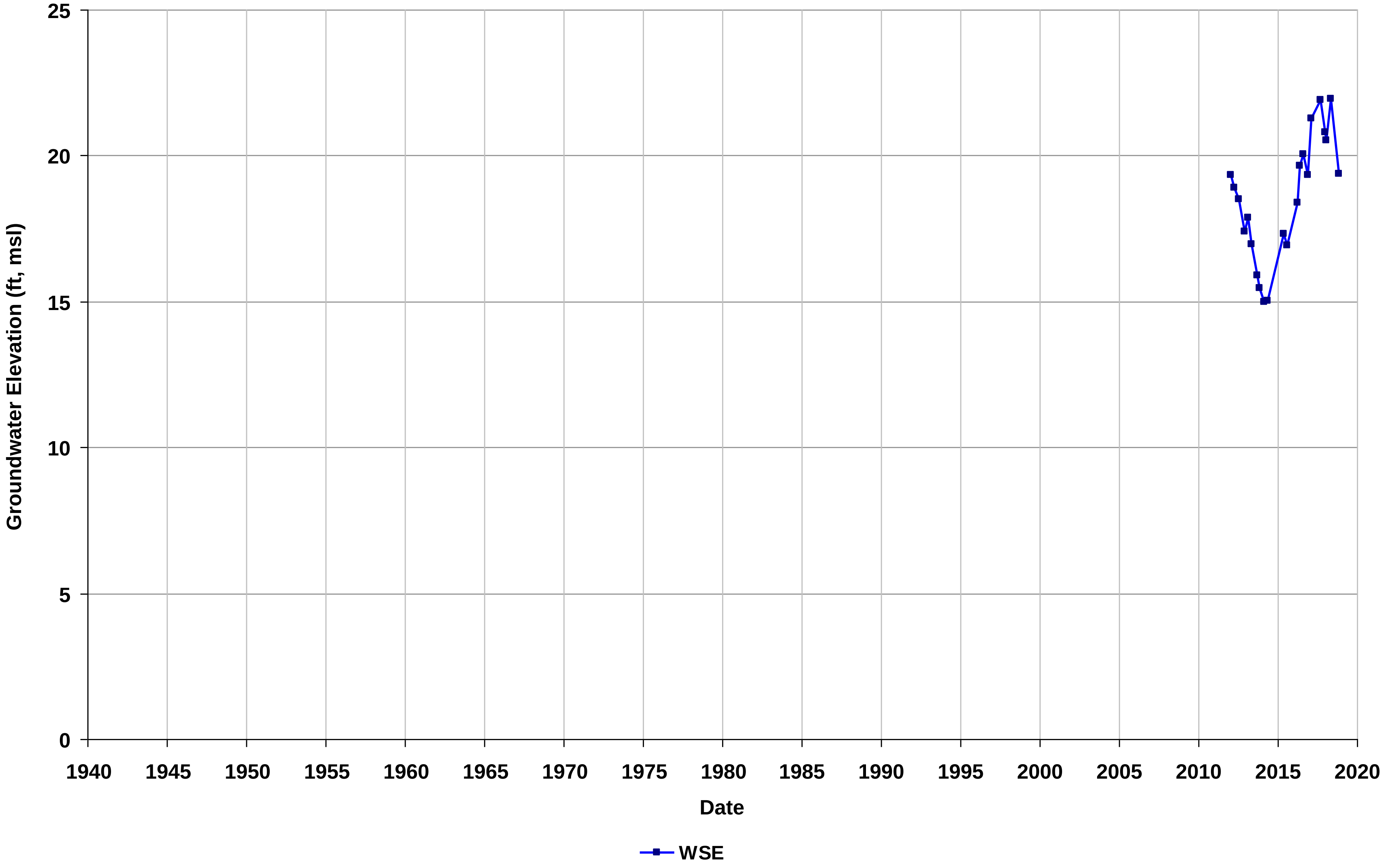
Well Name: T0600100213-RW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



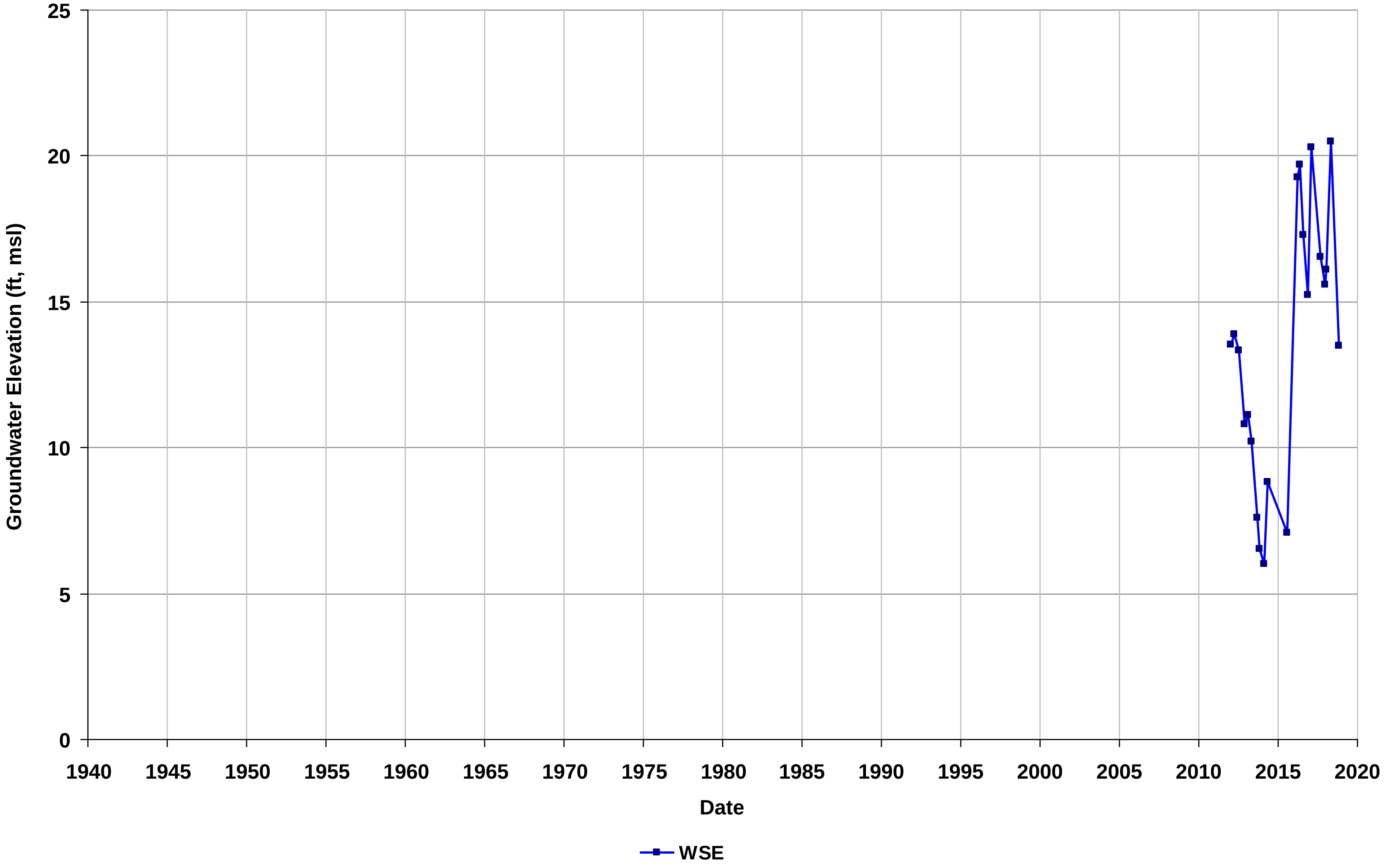
Well Name: T0600100214-MW-2RA
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/24
Well Use: Observation



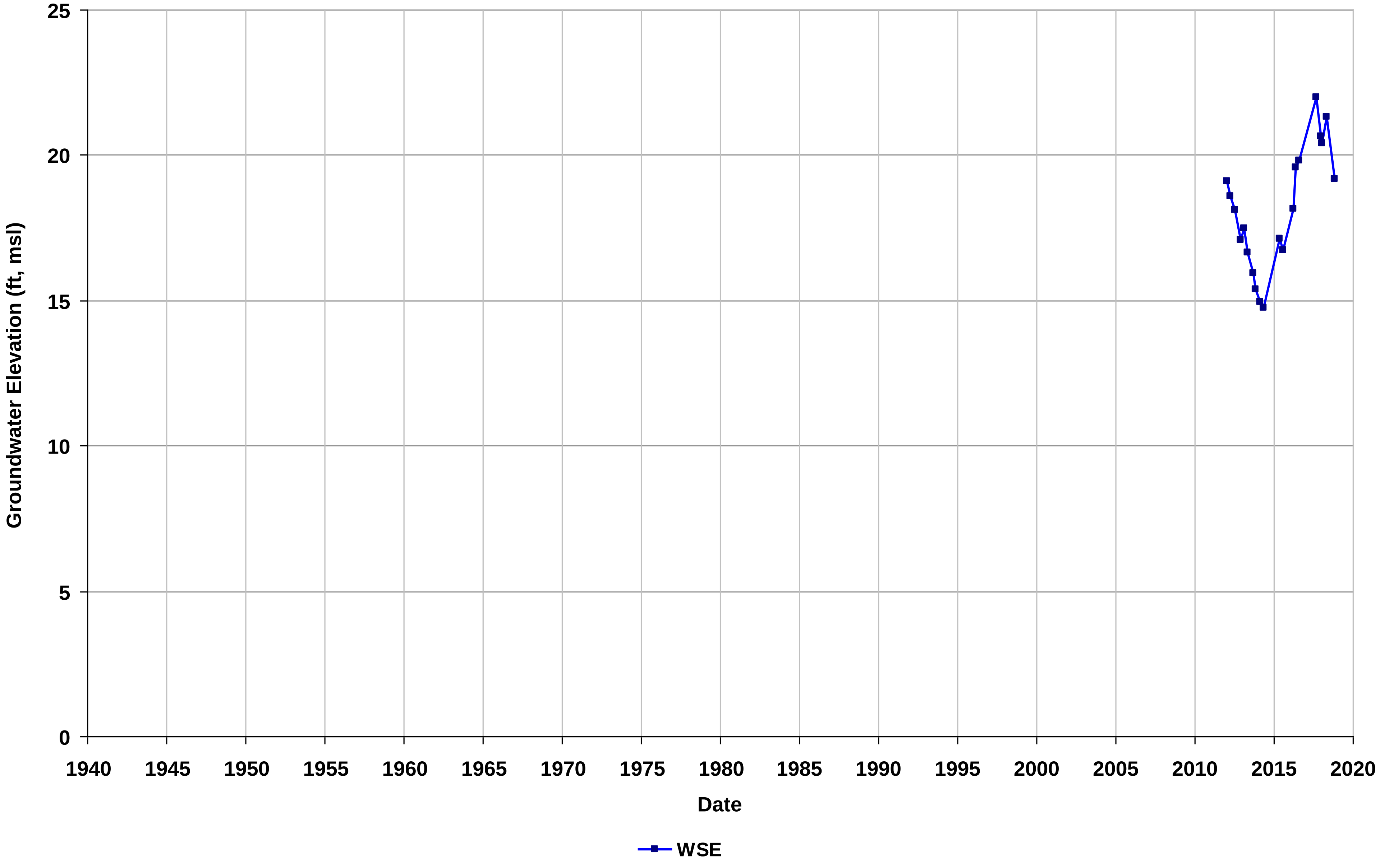
Well Name: T0600100214-MW-2RB
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/24
Well Use: Observation



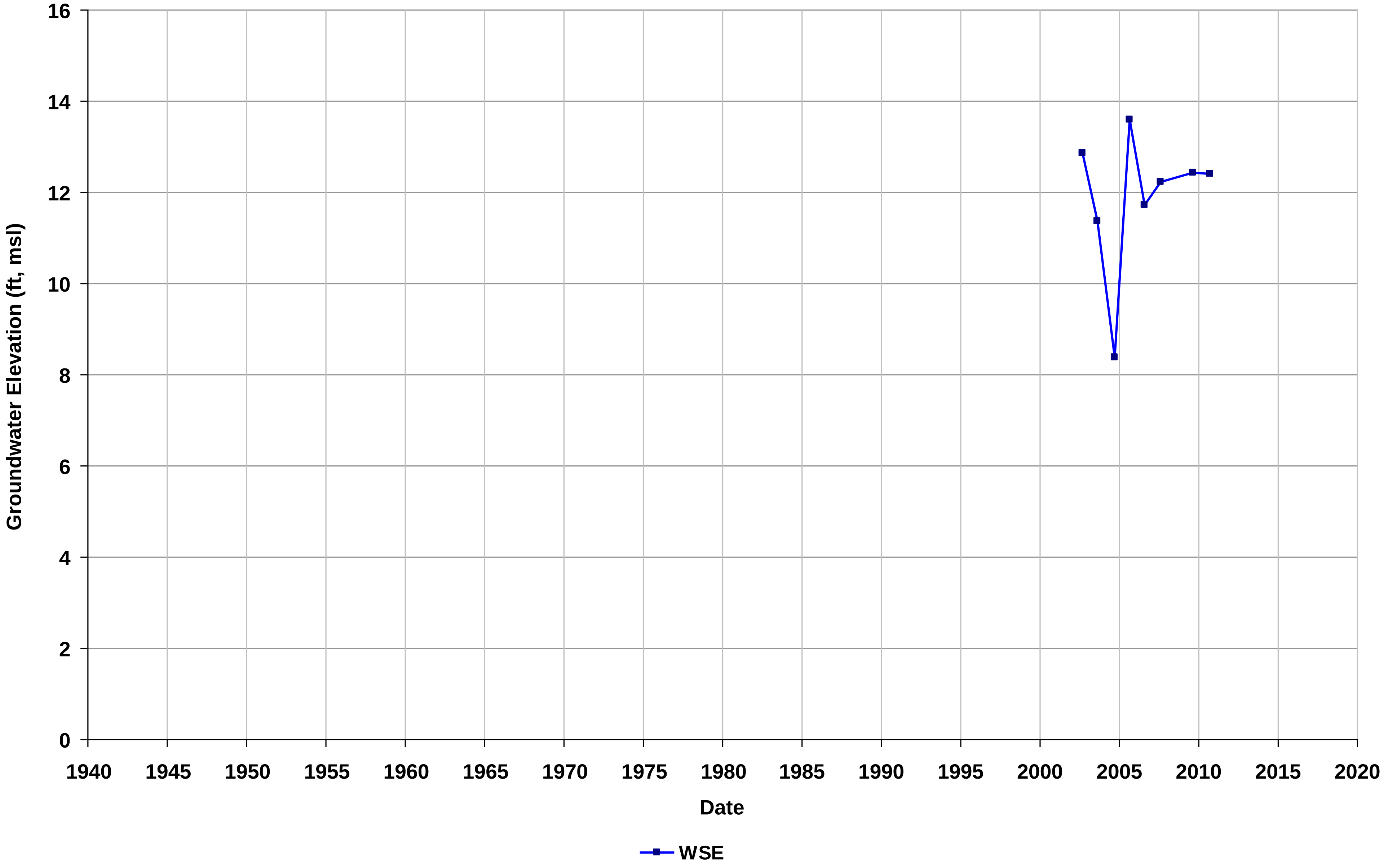
Well Name: T0600100214-MW-3RA
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/24
Well Use: Observation



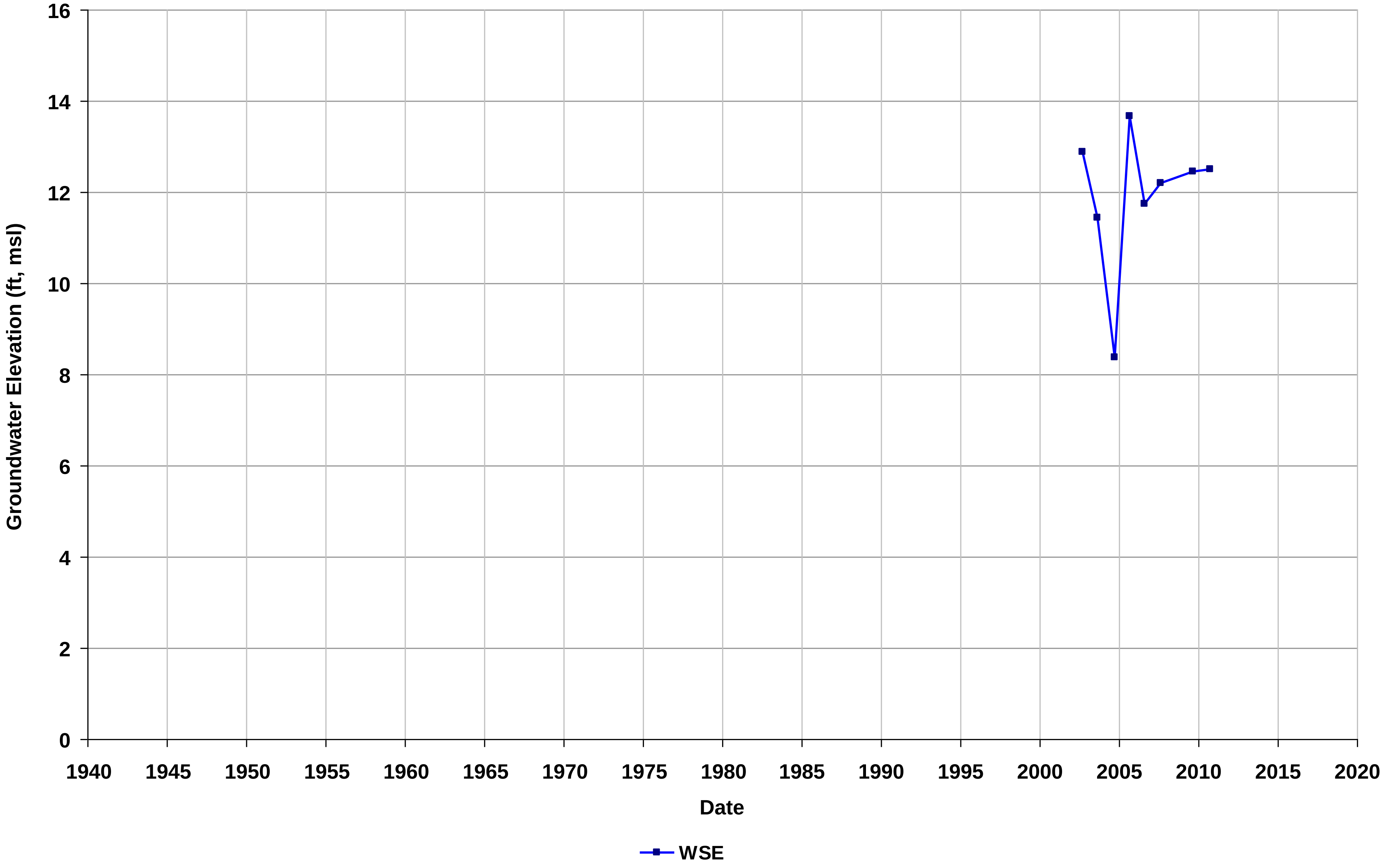
Well Name: T0600100215-AW-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



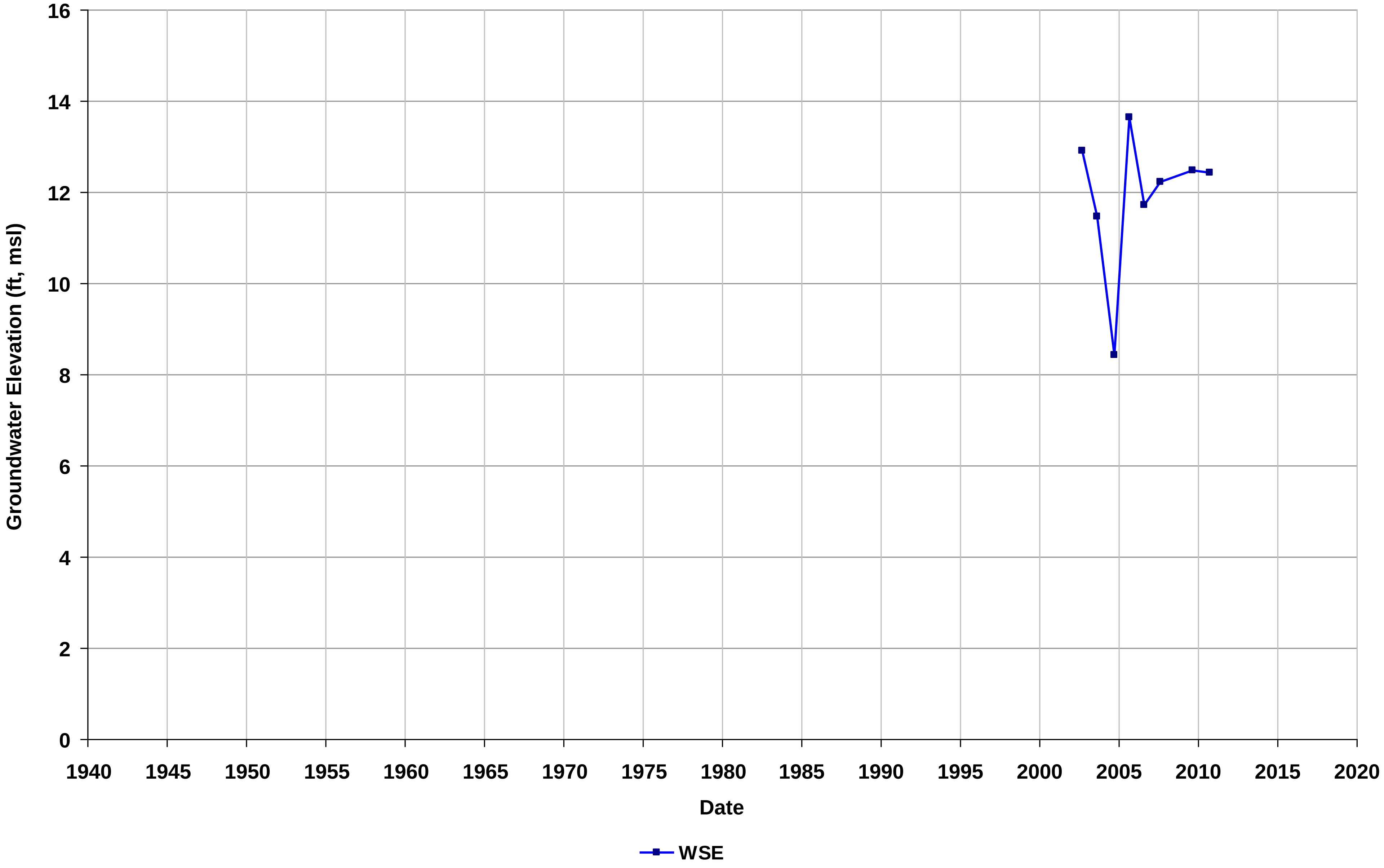
Well Name: T0600100215-AW-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



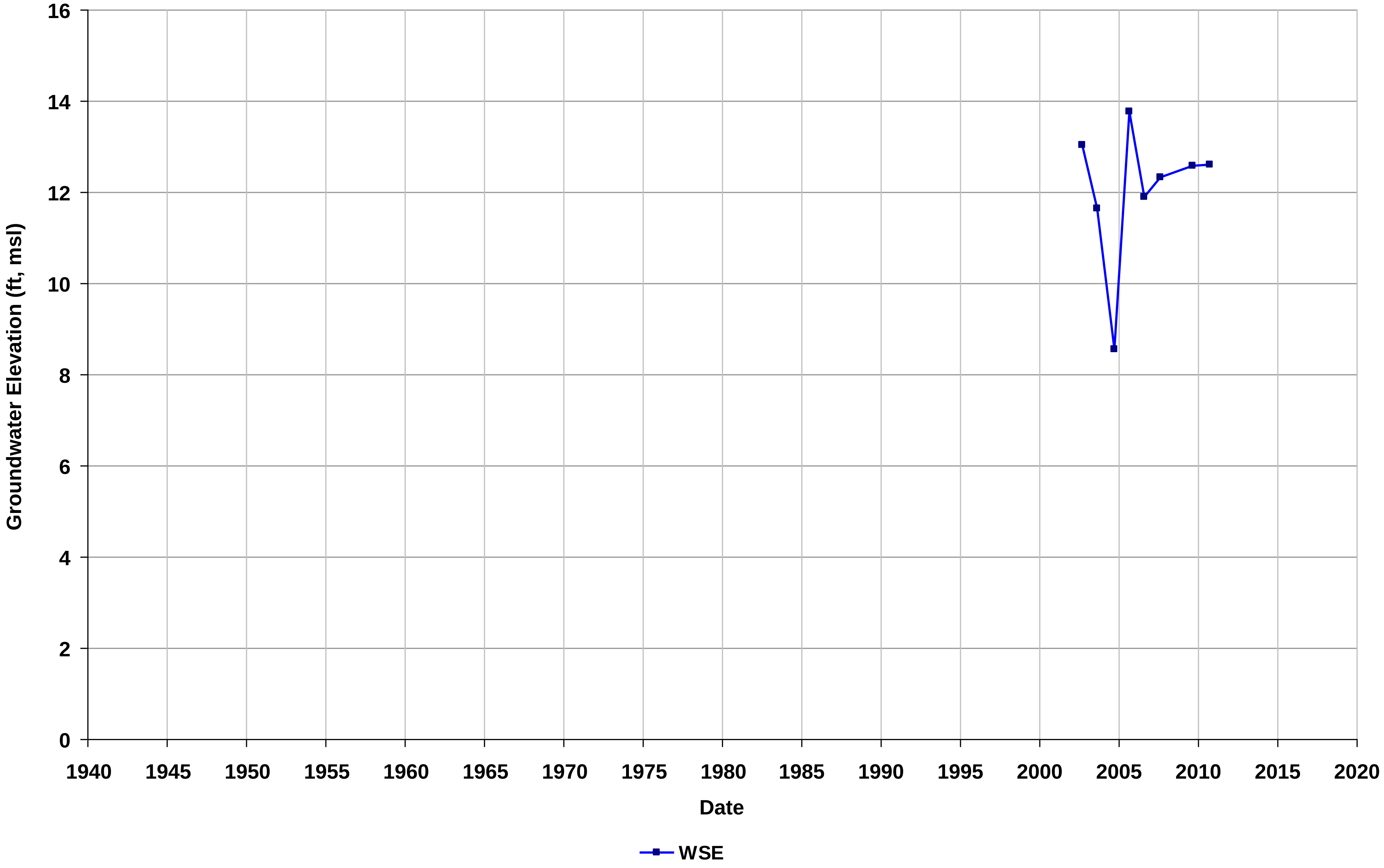
Well Name: T0600100215-AW-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



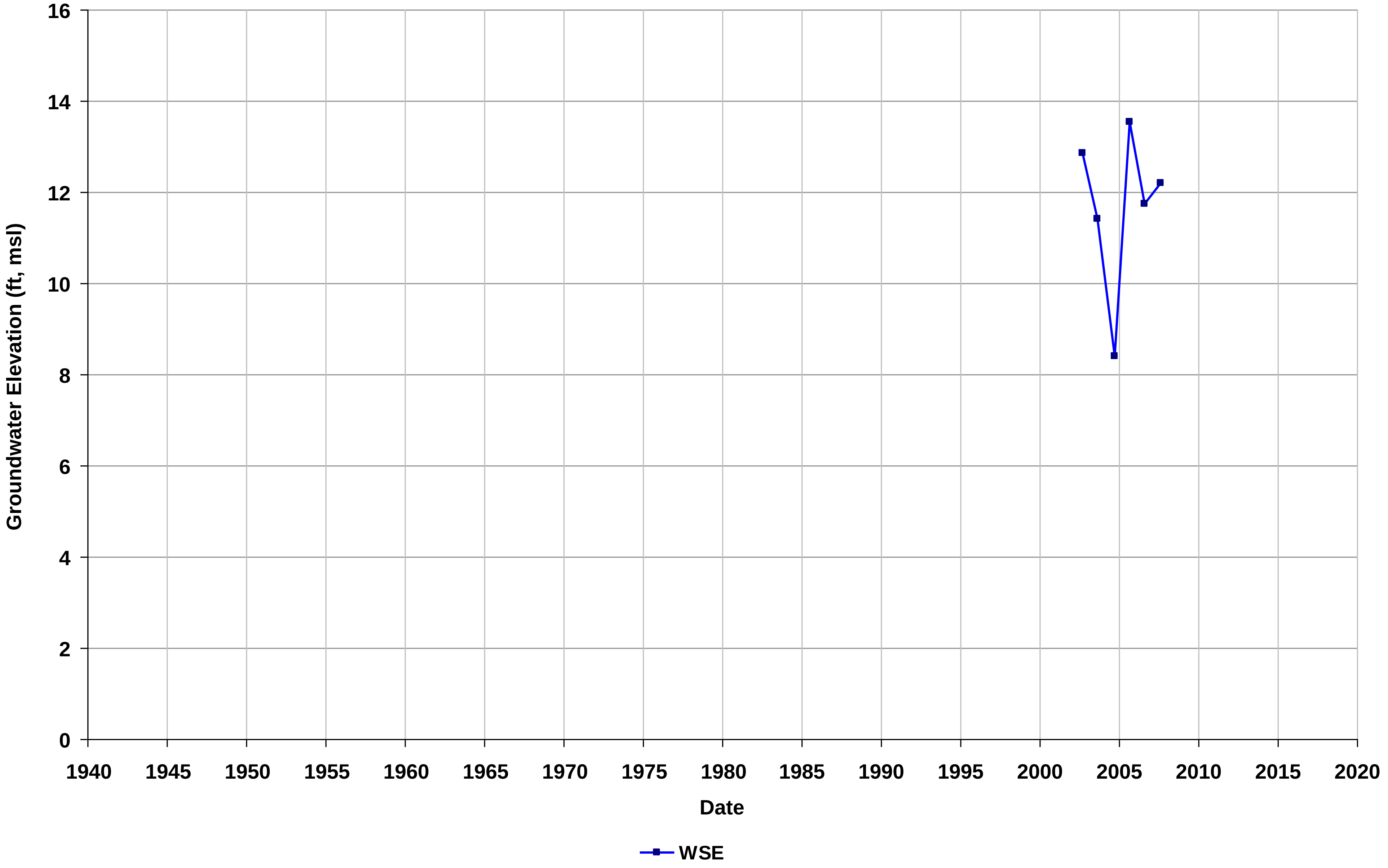
Well Name: T0600100215-AW-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



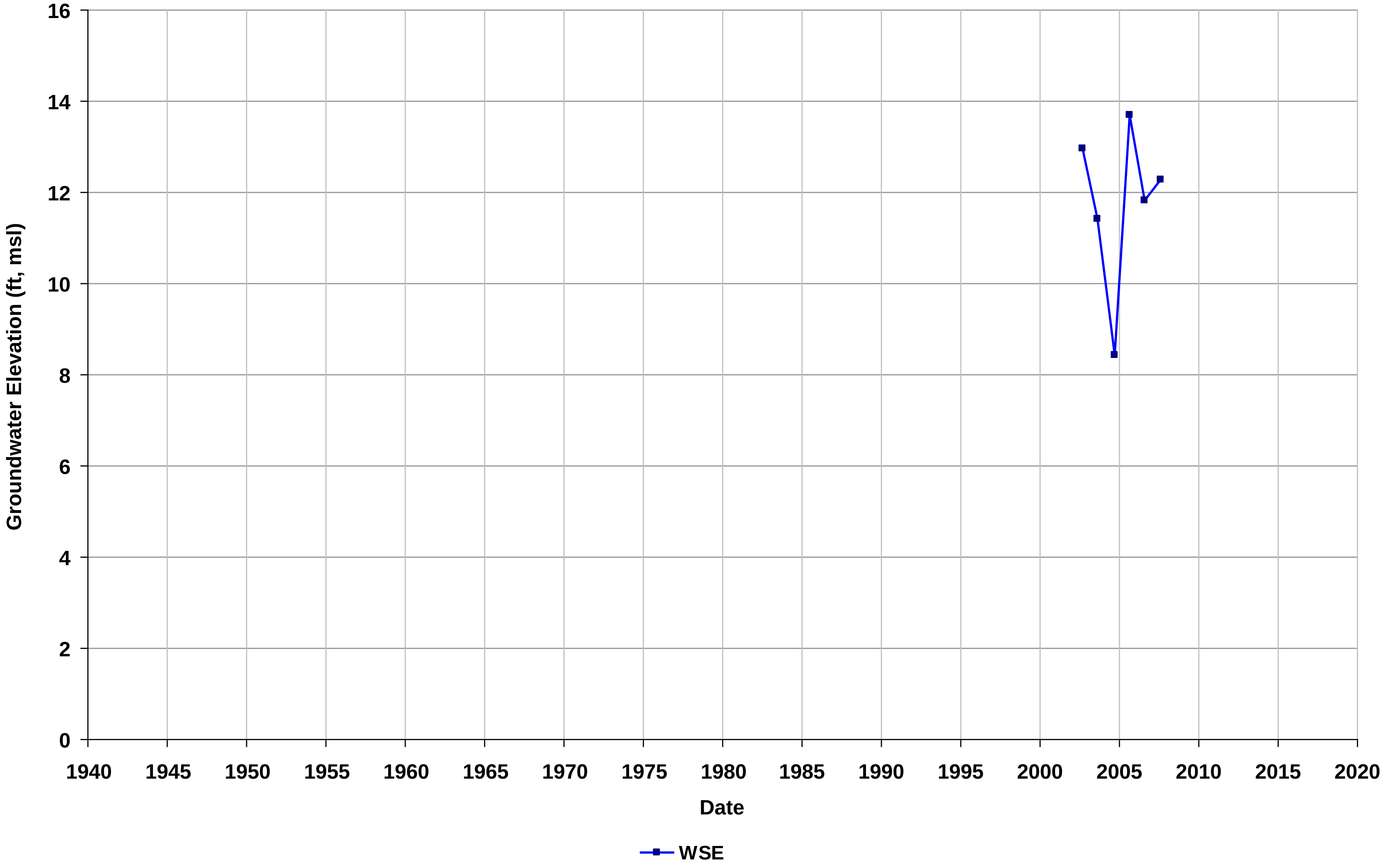
Well Name: T0600100215-AW-5
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



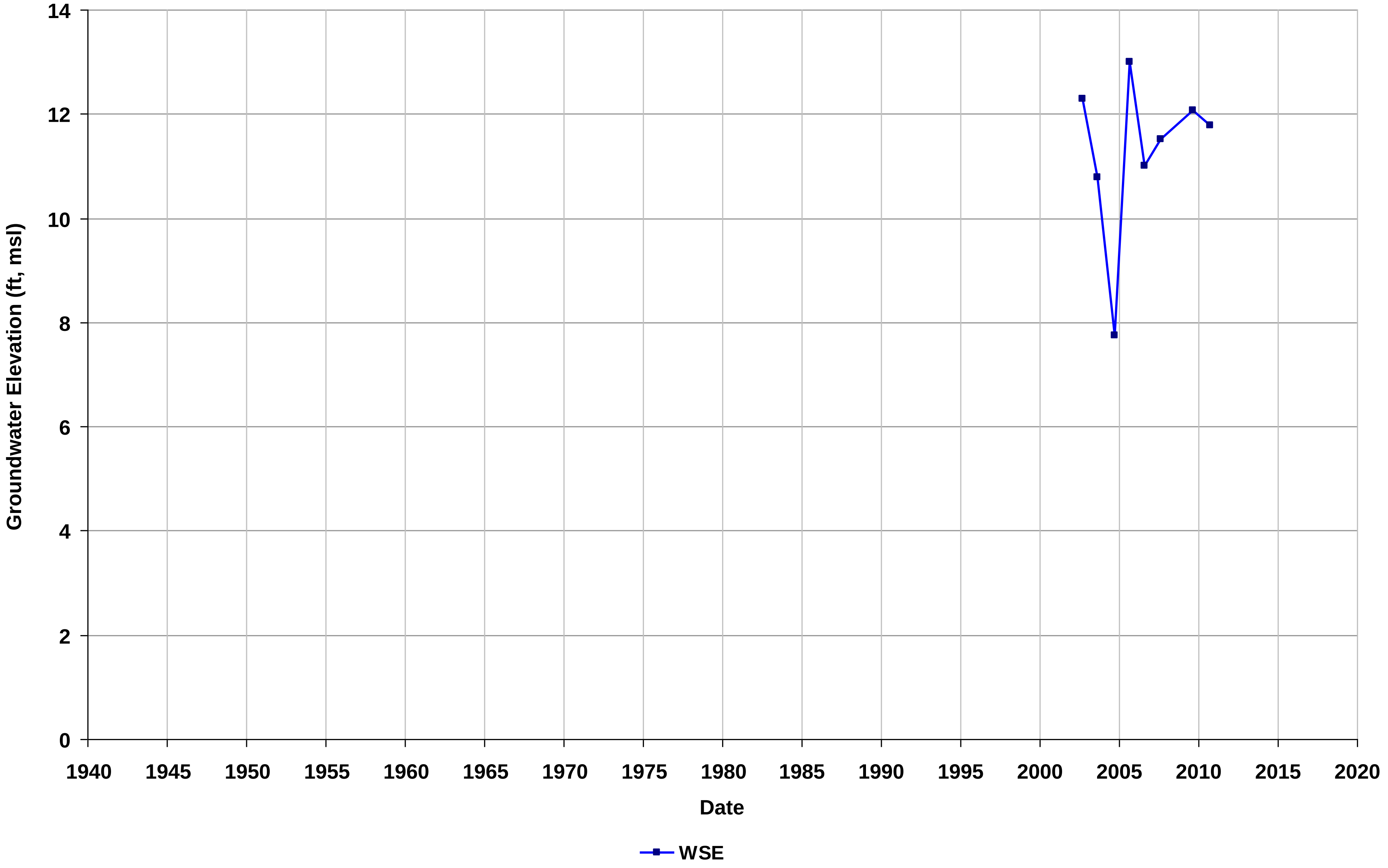
Well Name: T0600100215-AW-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



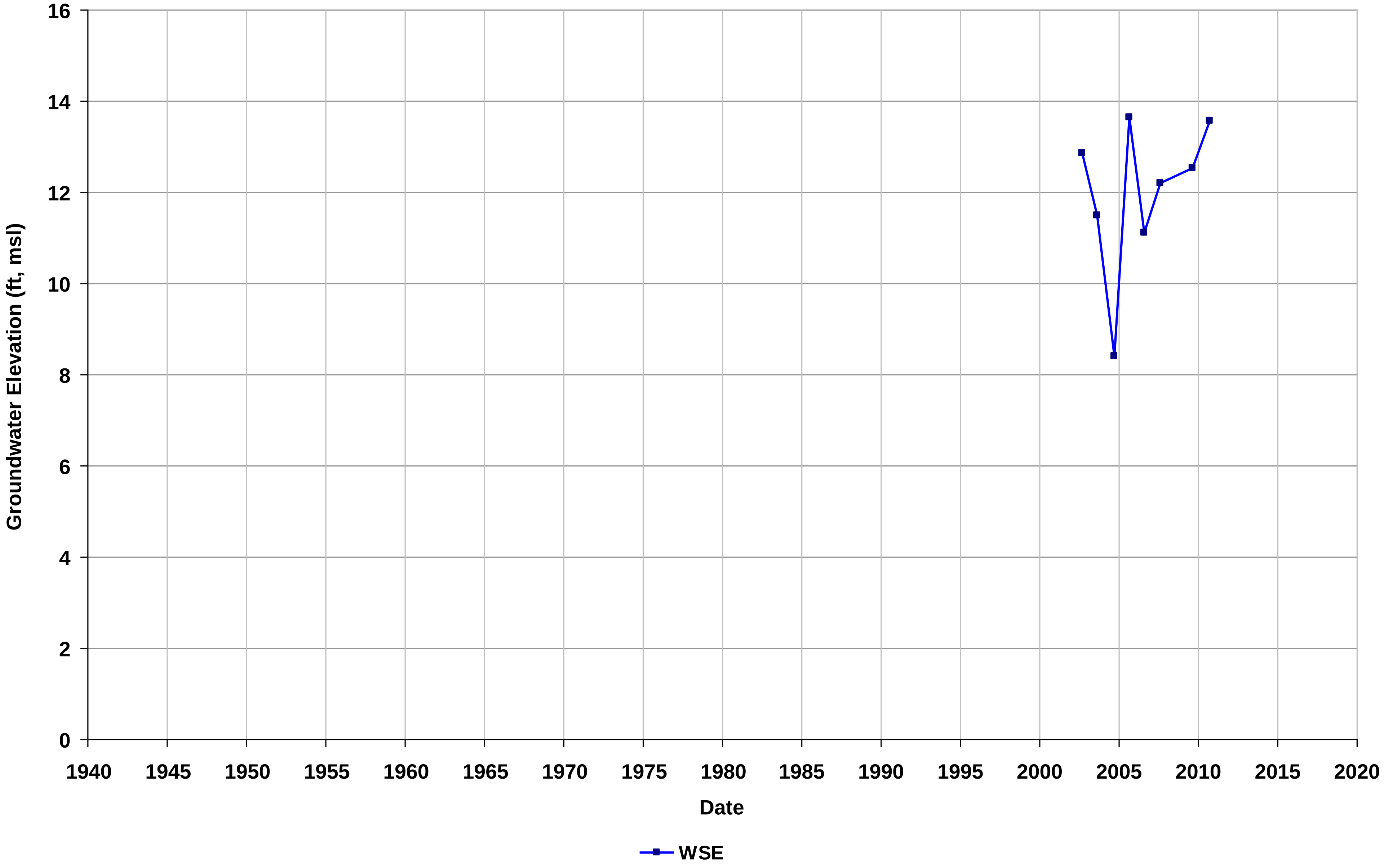
Well Name: T0600100215-AW-8
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



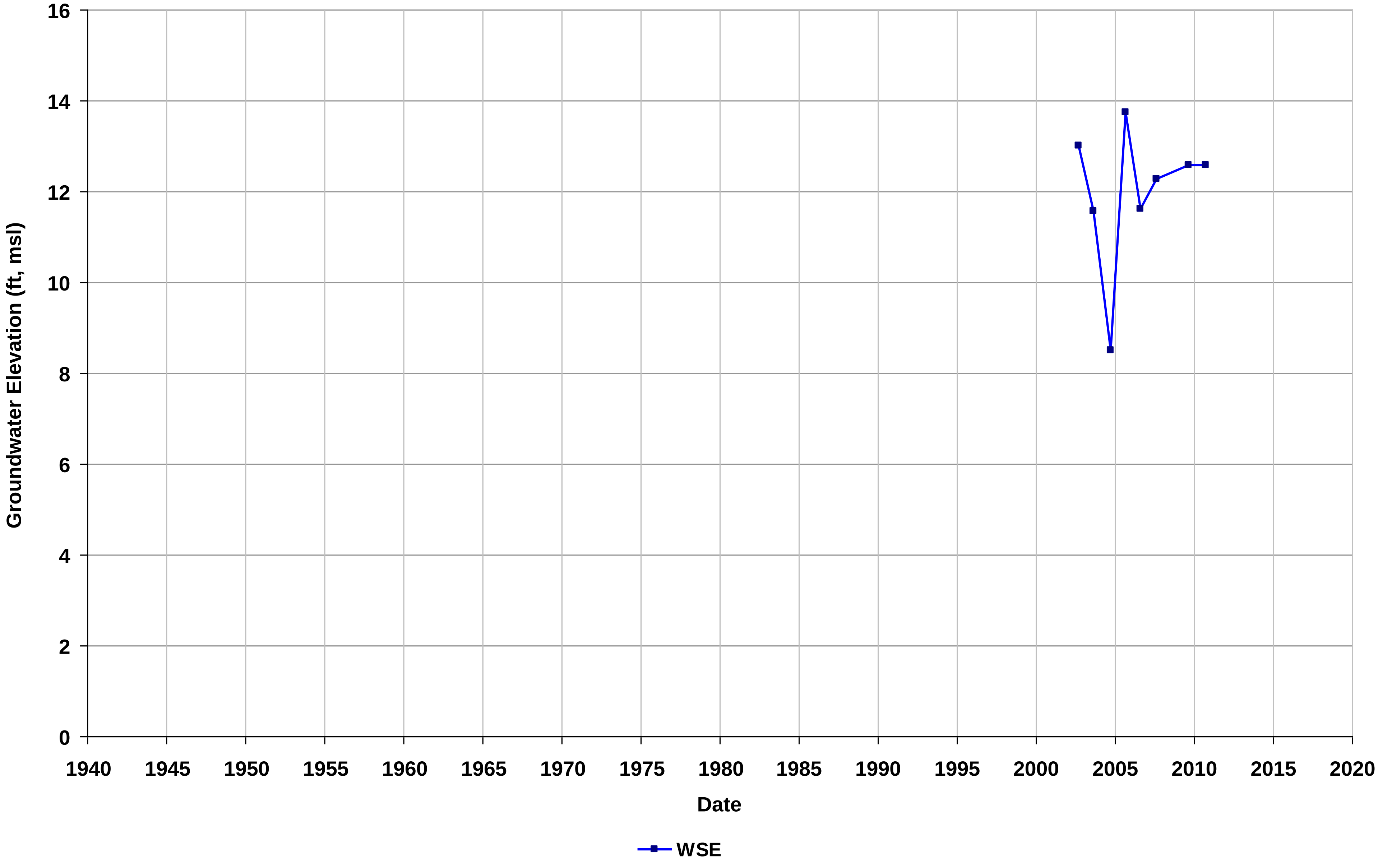
Well Name: T0600100215-MW-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



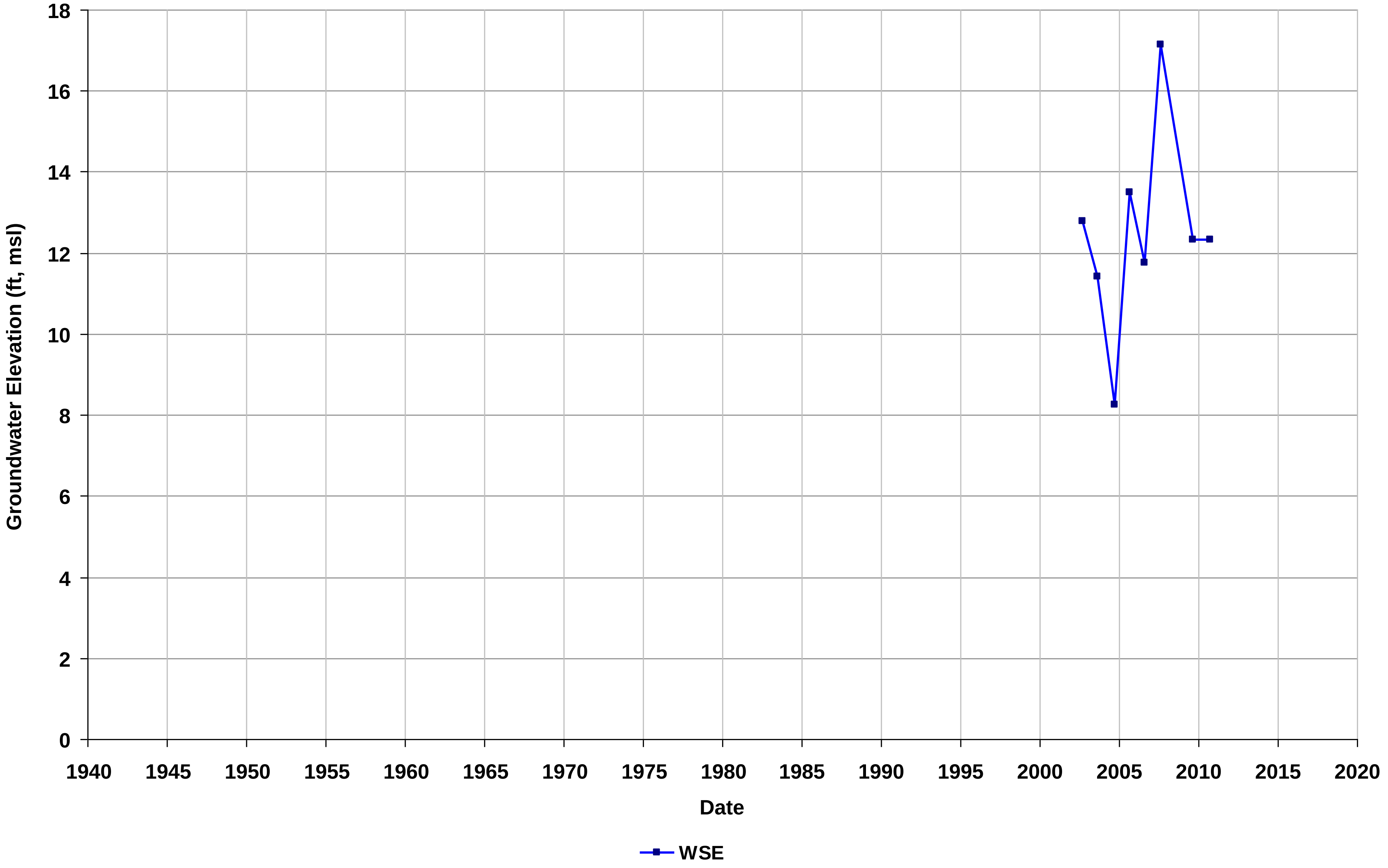
Well Name: T0600100215-MW-9
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



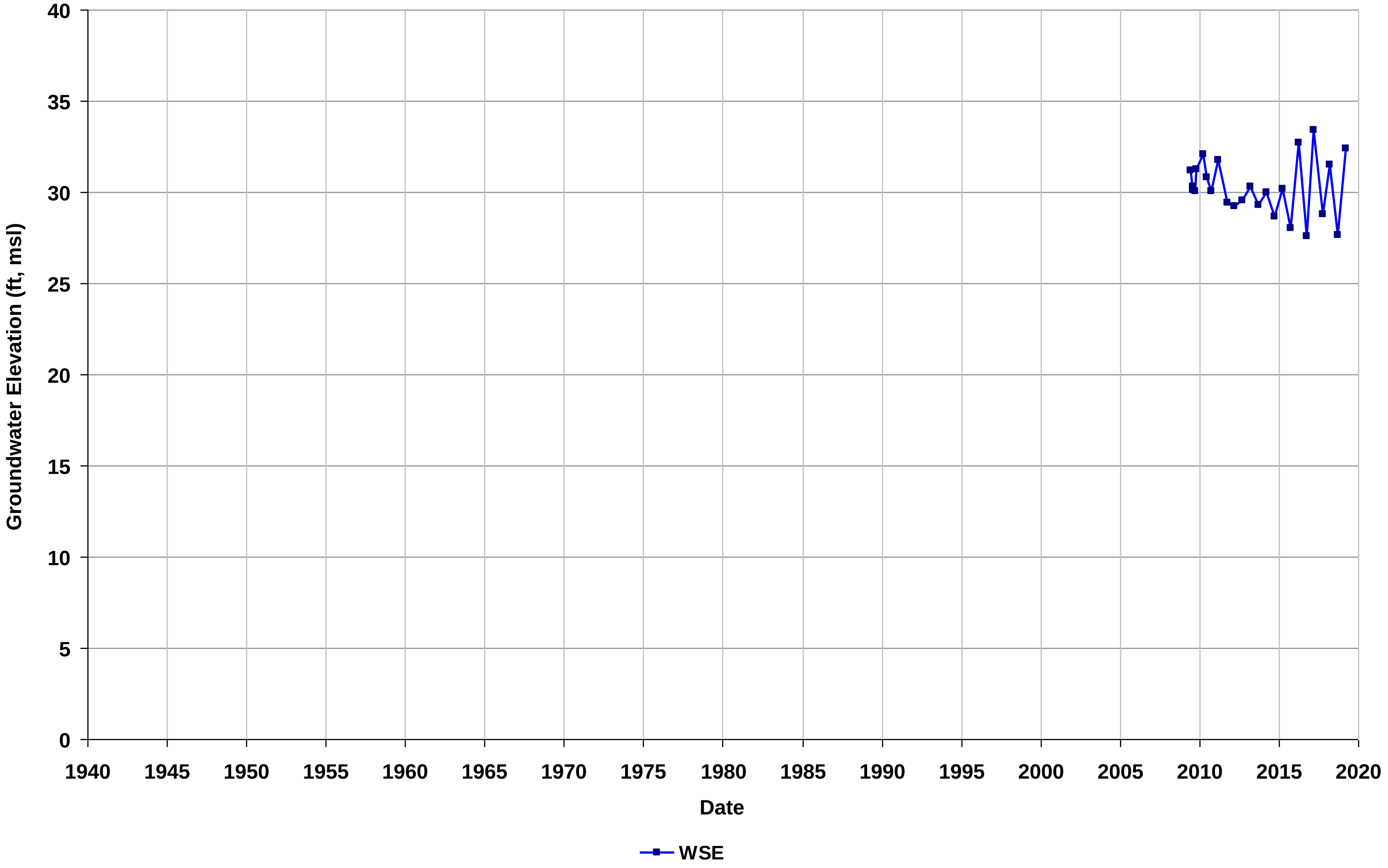
Well Name: T0600100215-RW-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



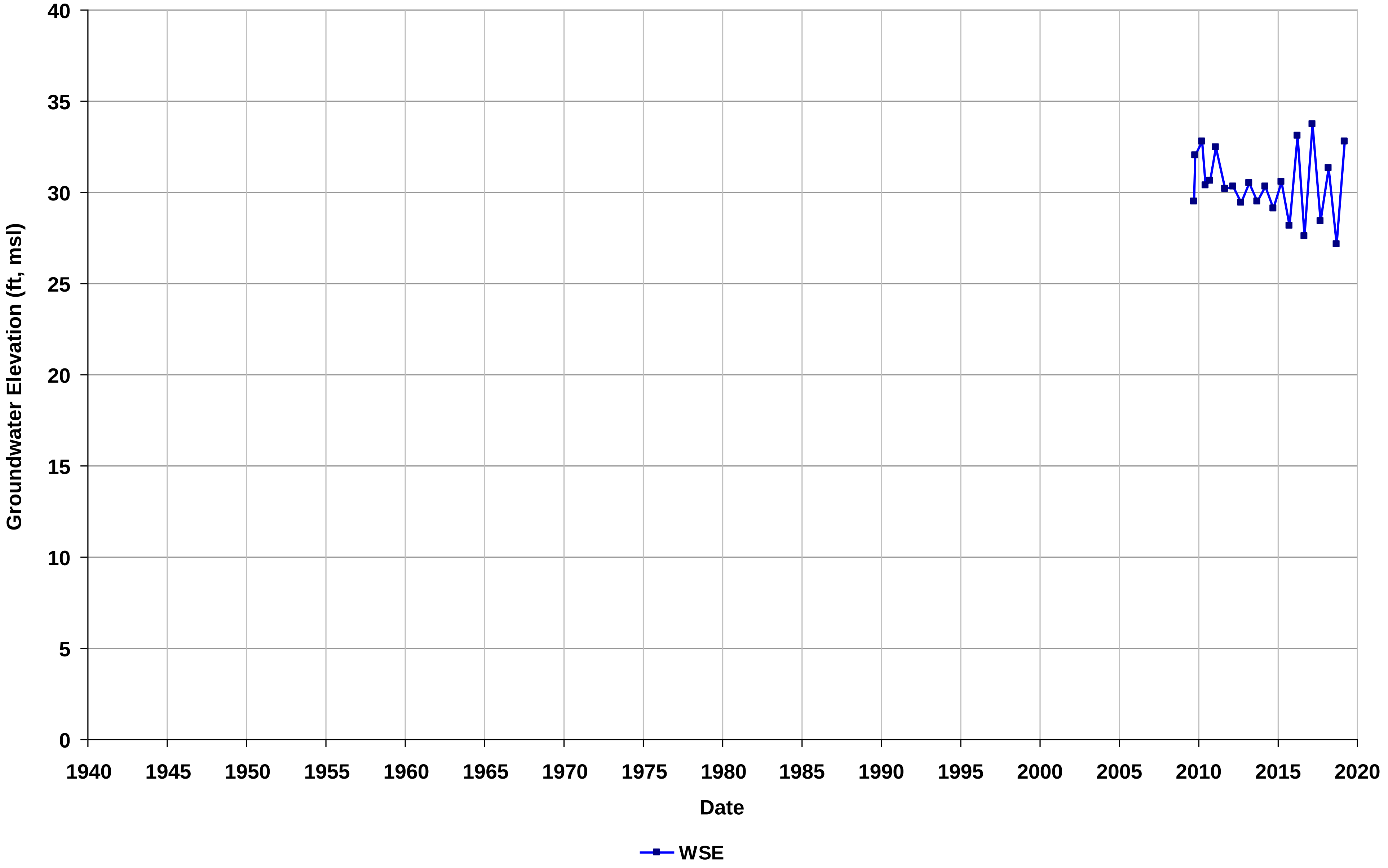
Well Name: T0600100217-MW-10
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



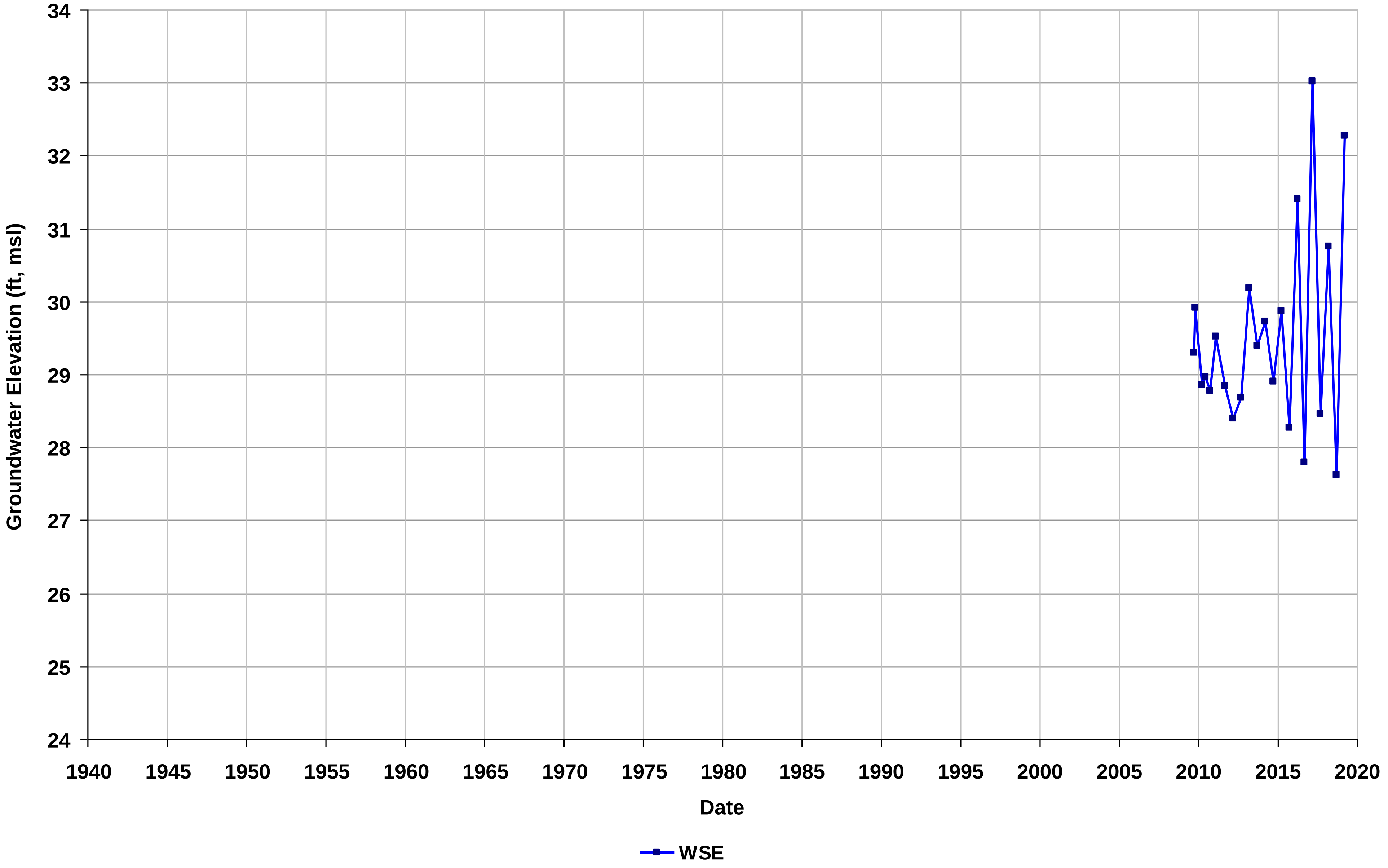
Well Name: T0600100217-MW-11
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



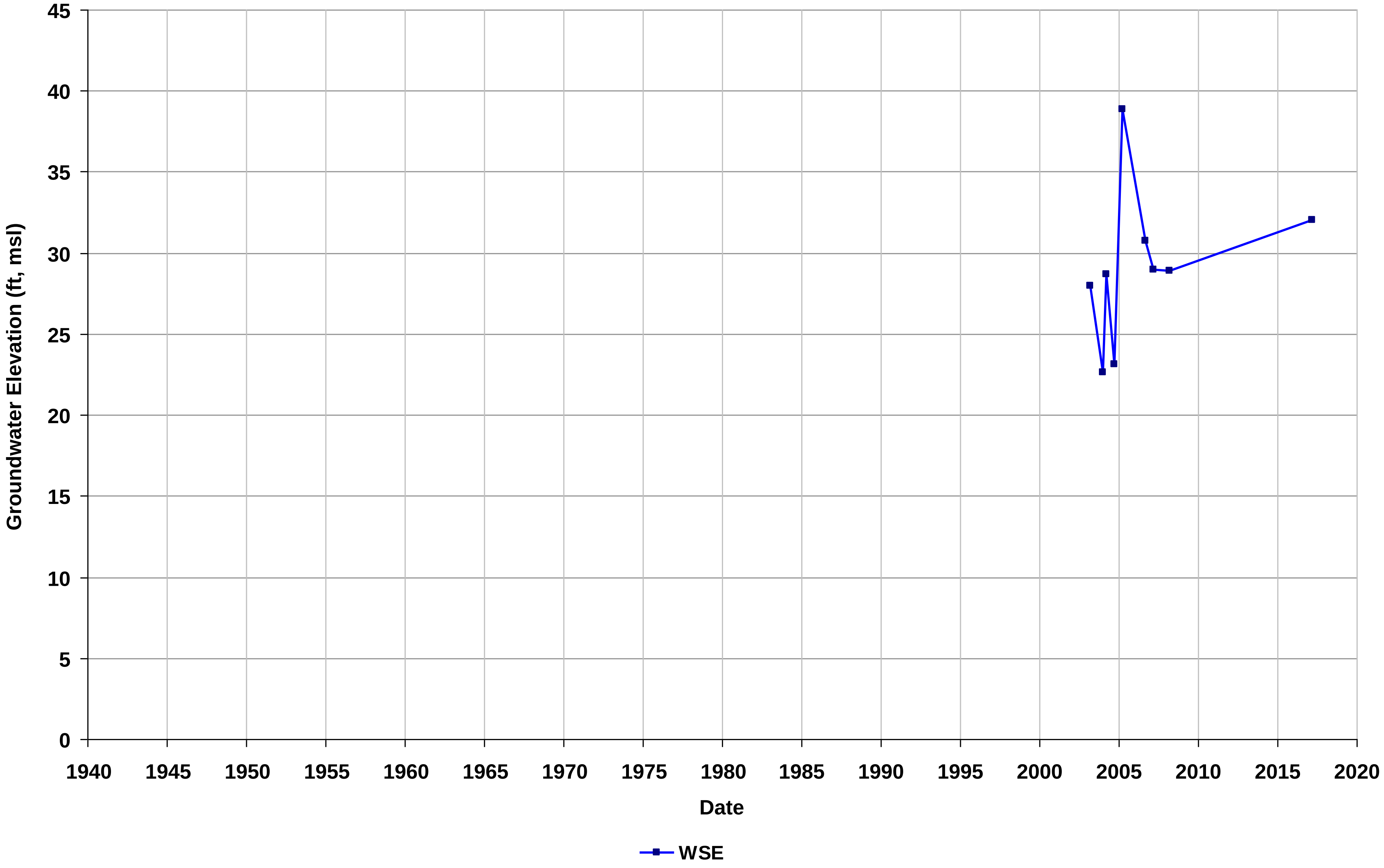
Well Name: T0600100217-MW-12
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



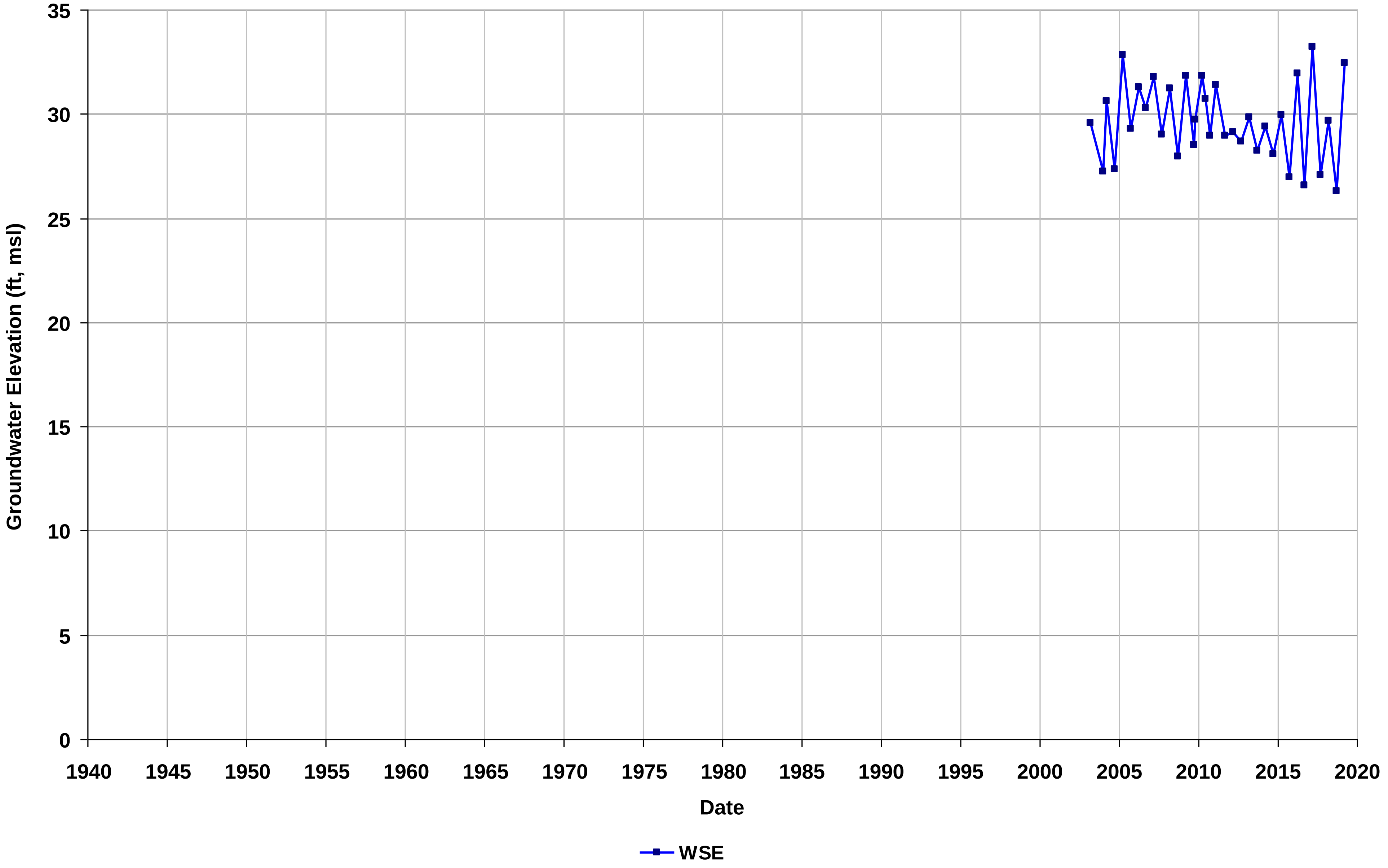
Well Name: T0600100217-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



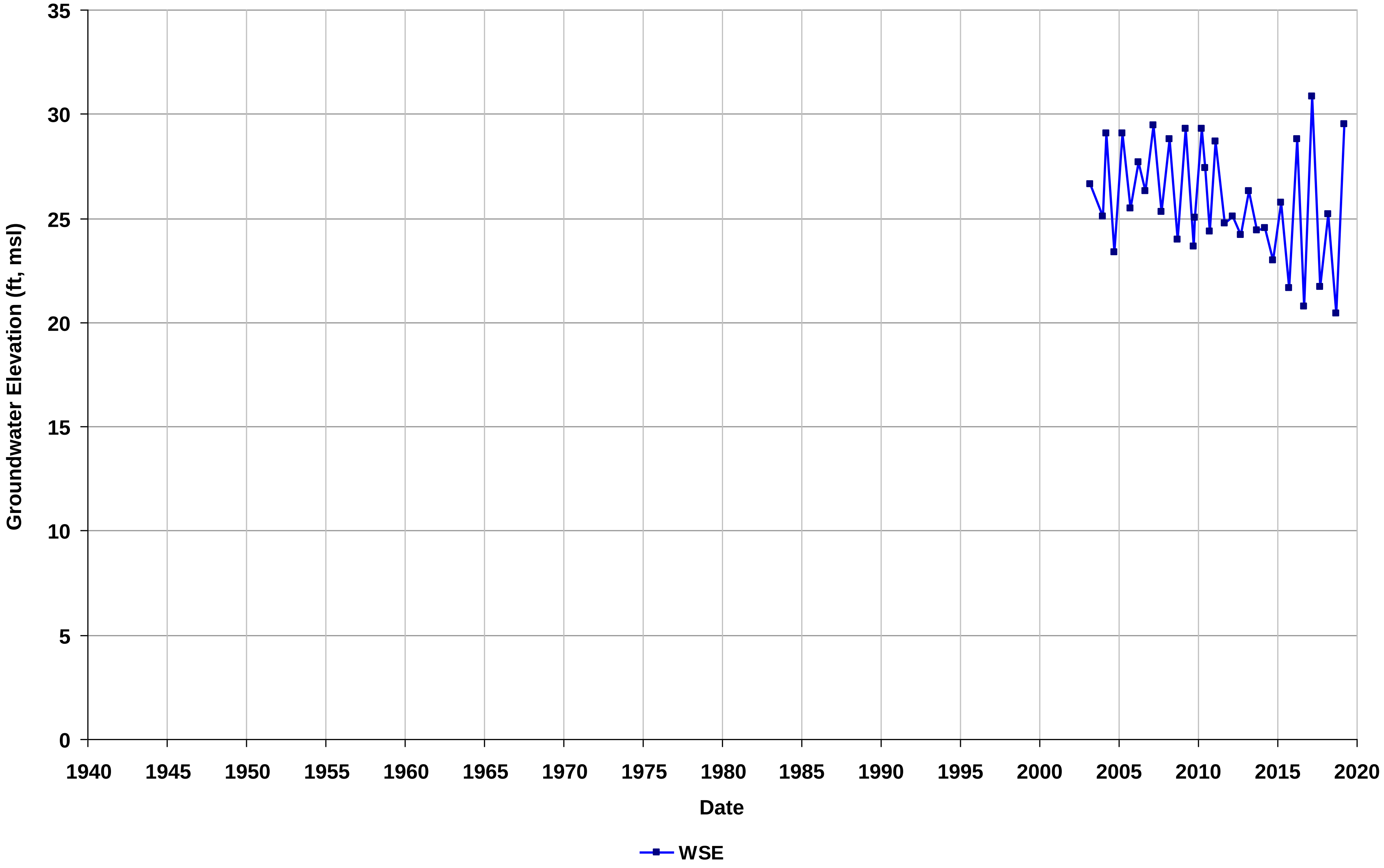
Well Name: T0600100217-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



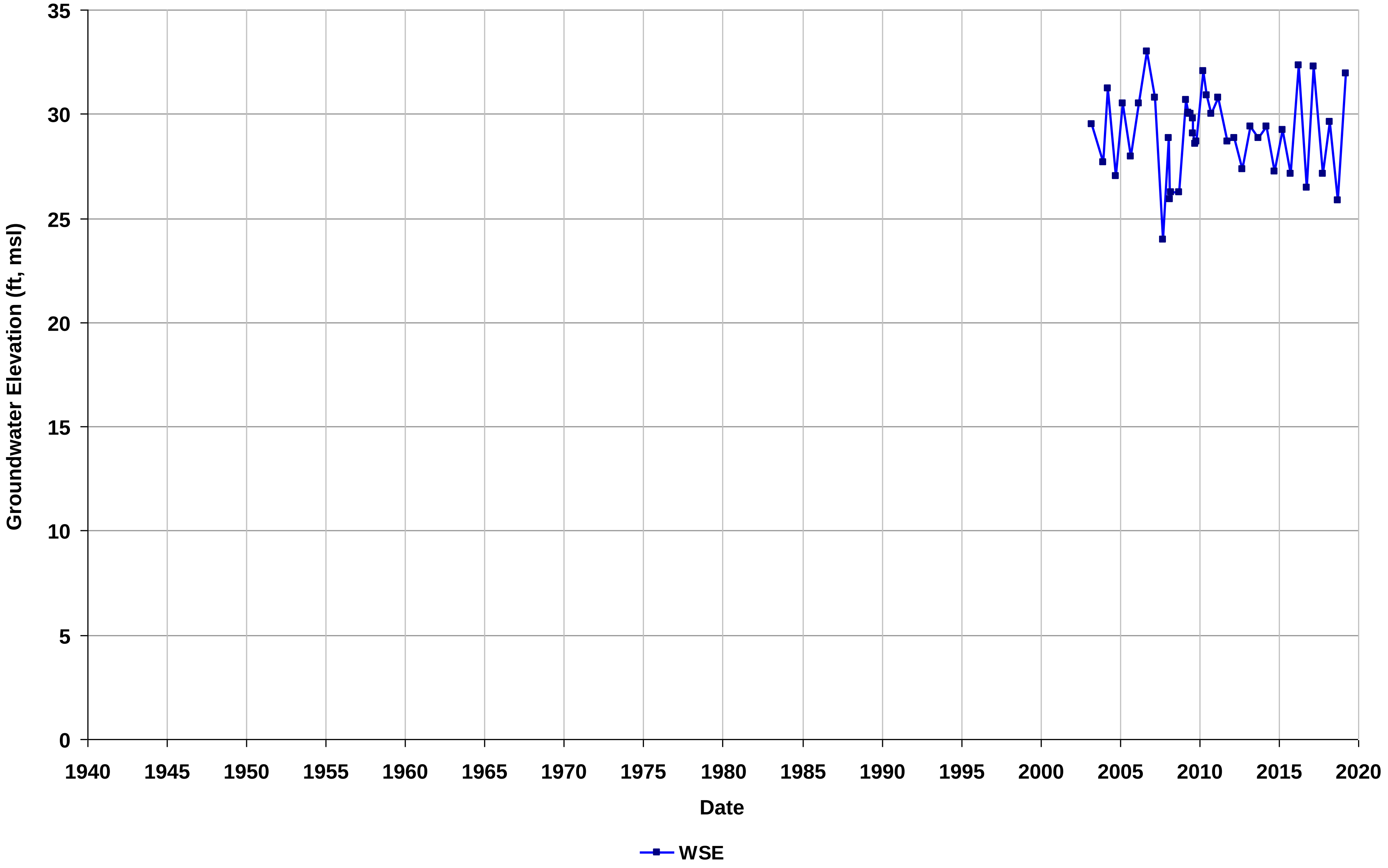
Well Name: T0600100217-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



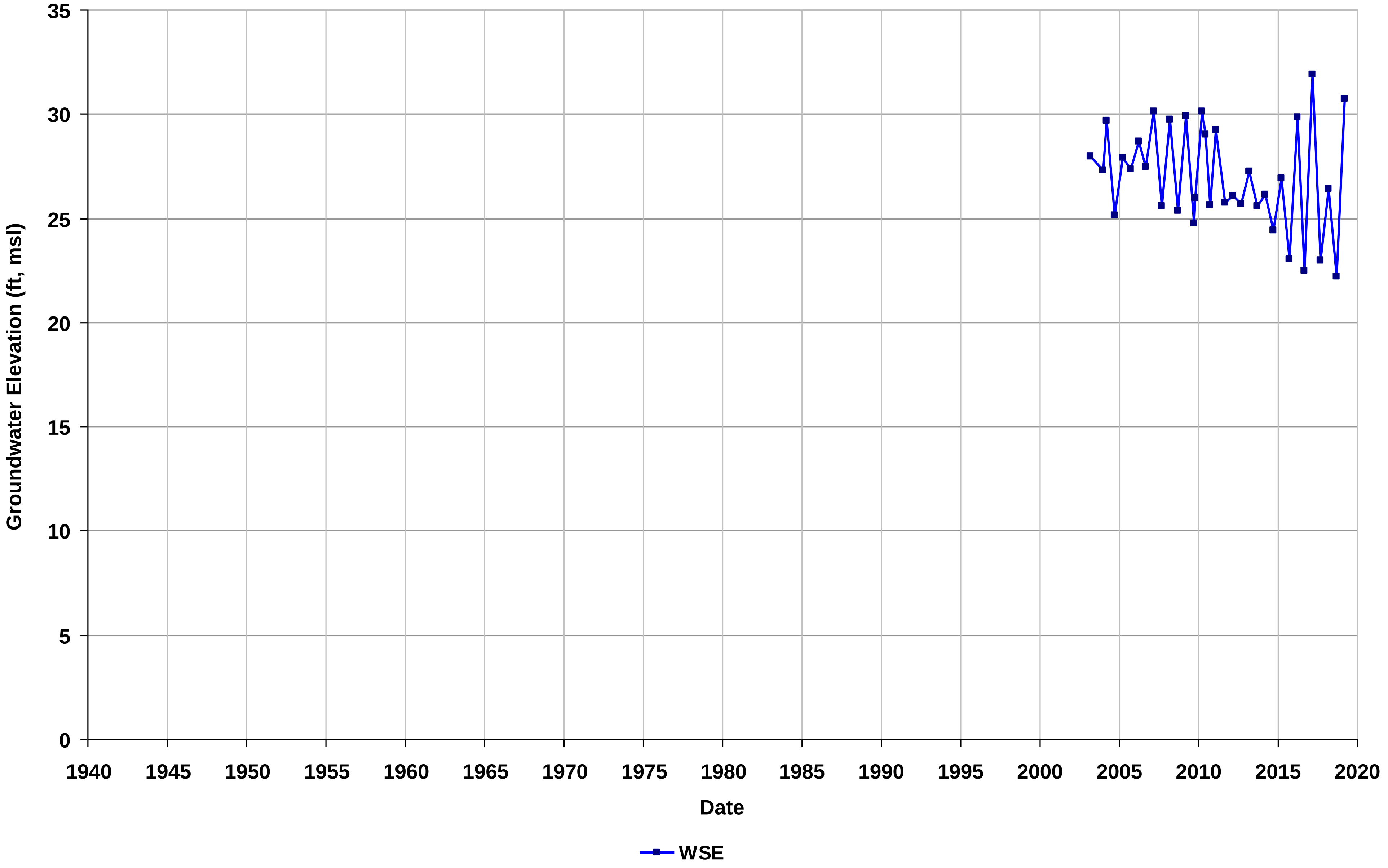
Well Name: T0600100217-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



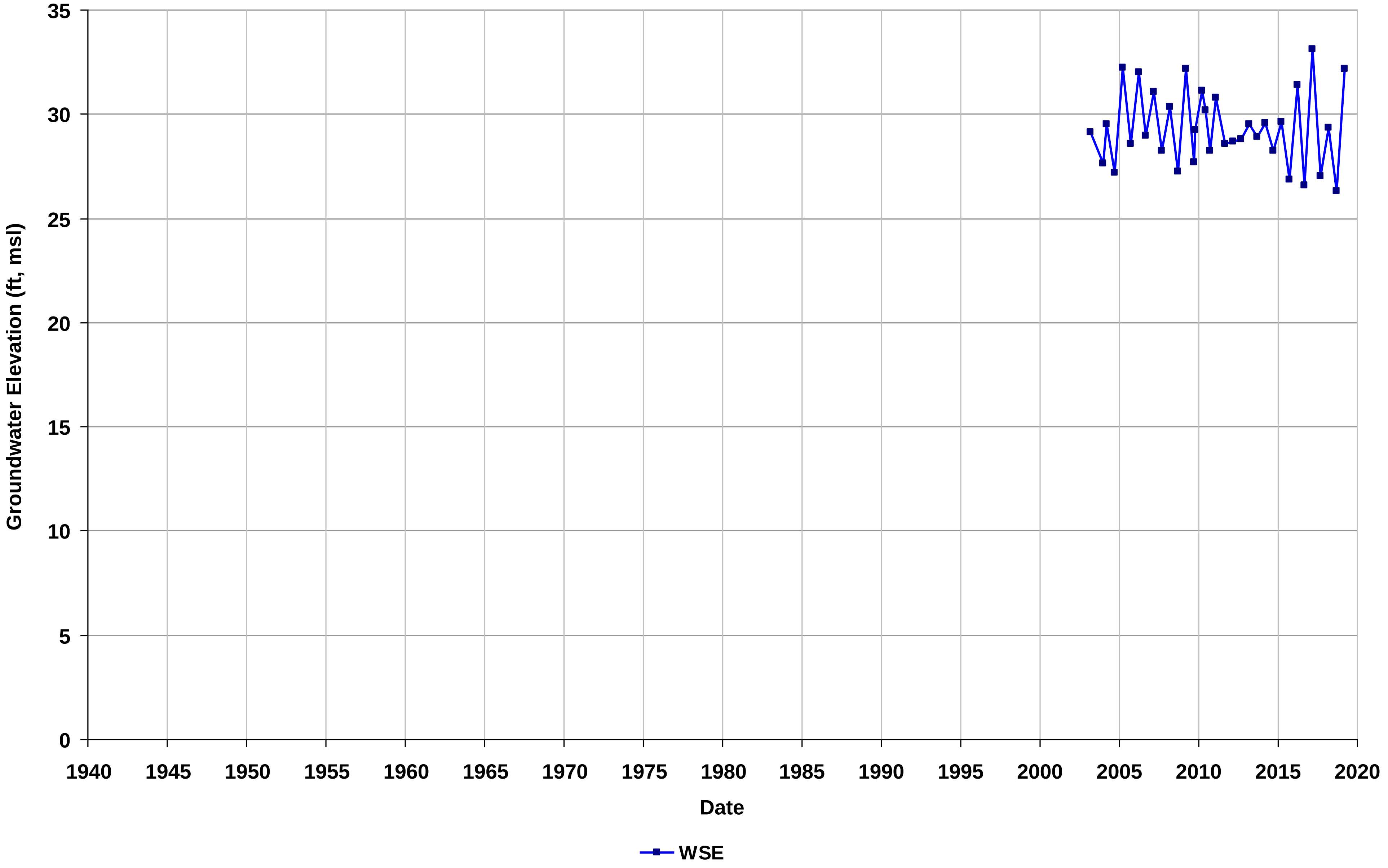
Well Name: T0600100217-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



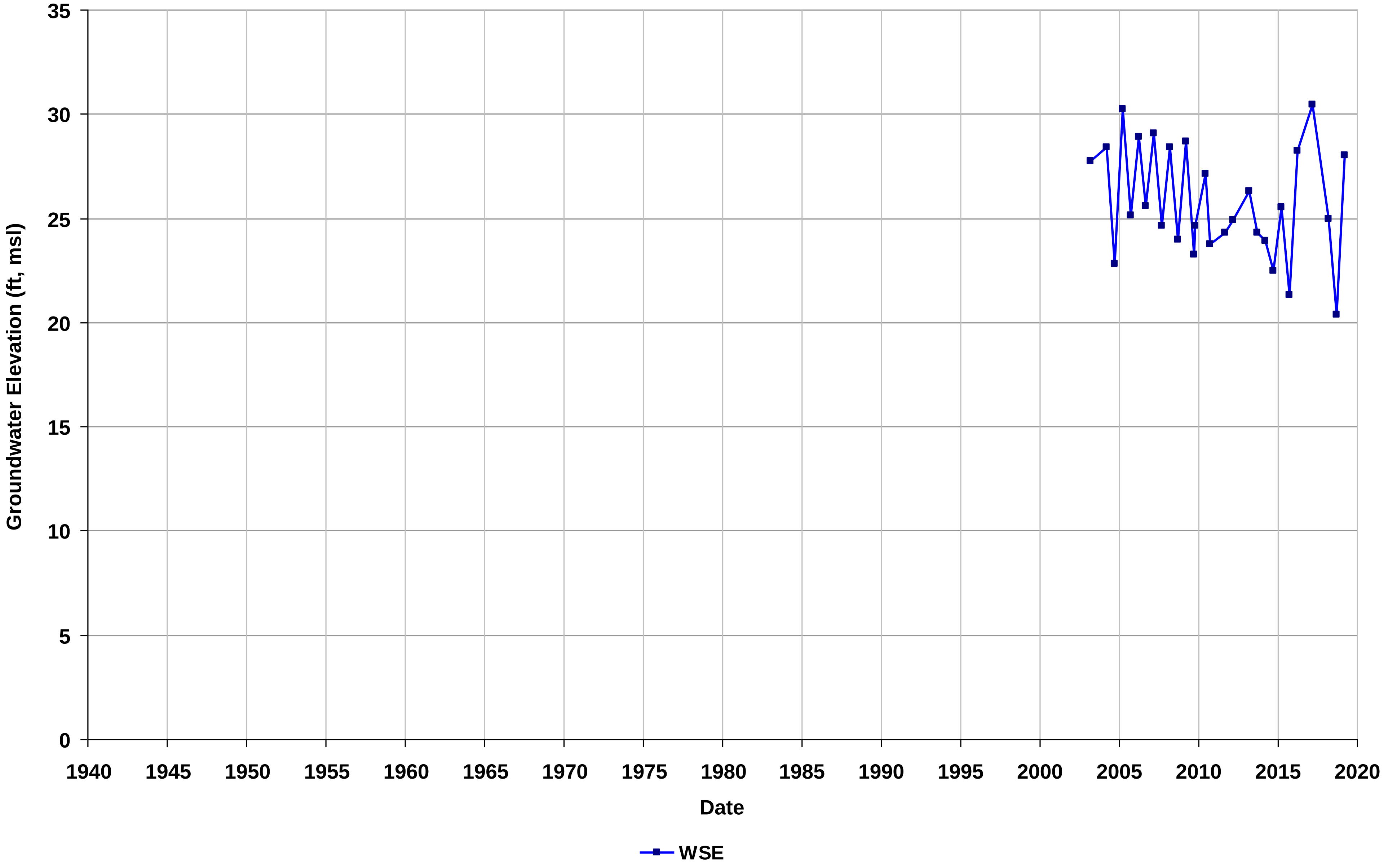
Well Name: T0600100217-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



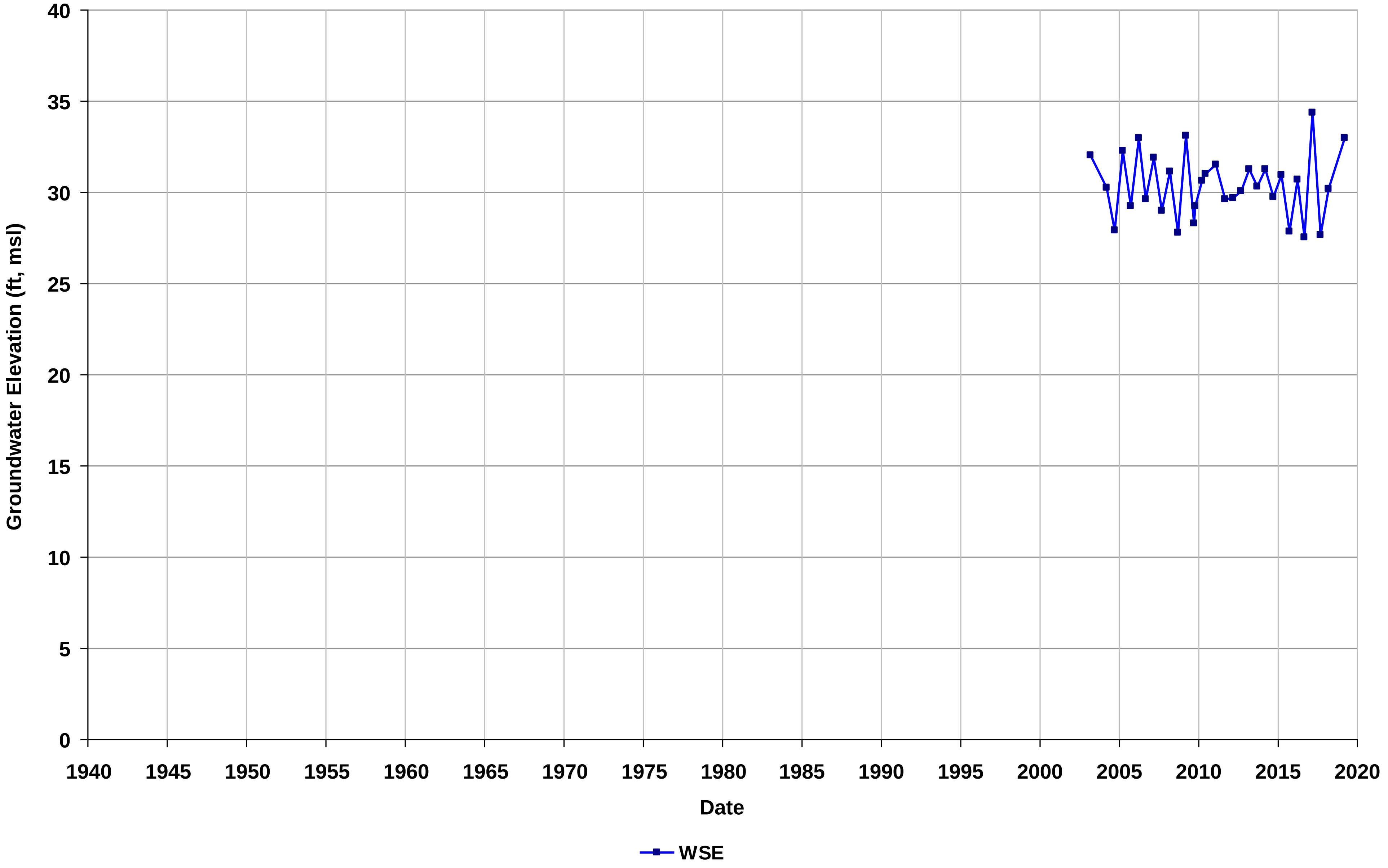
Well Name: T0600100217-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



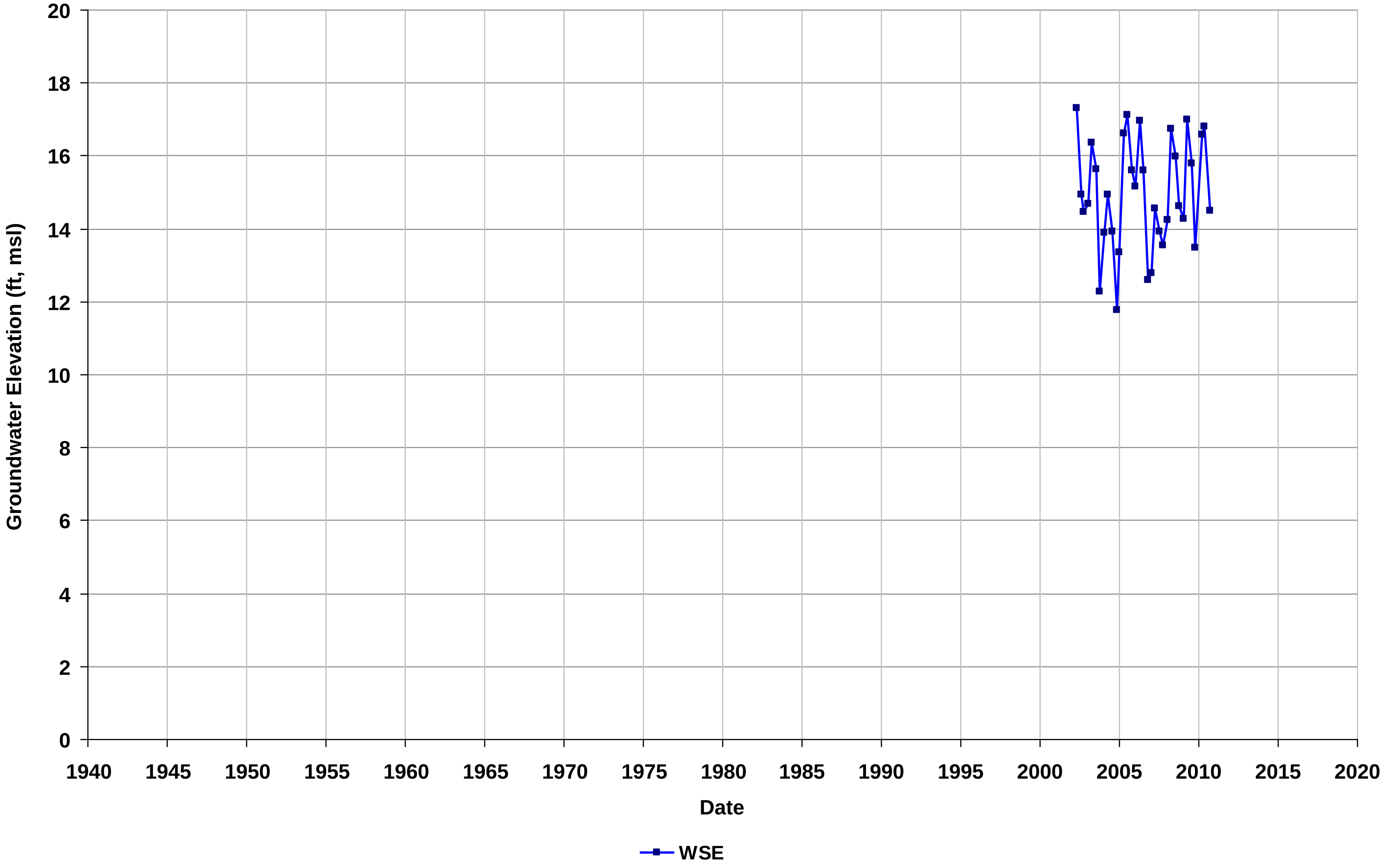
Well Name: T0600100217-MW-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



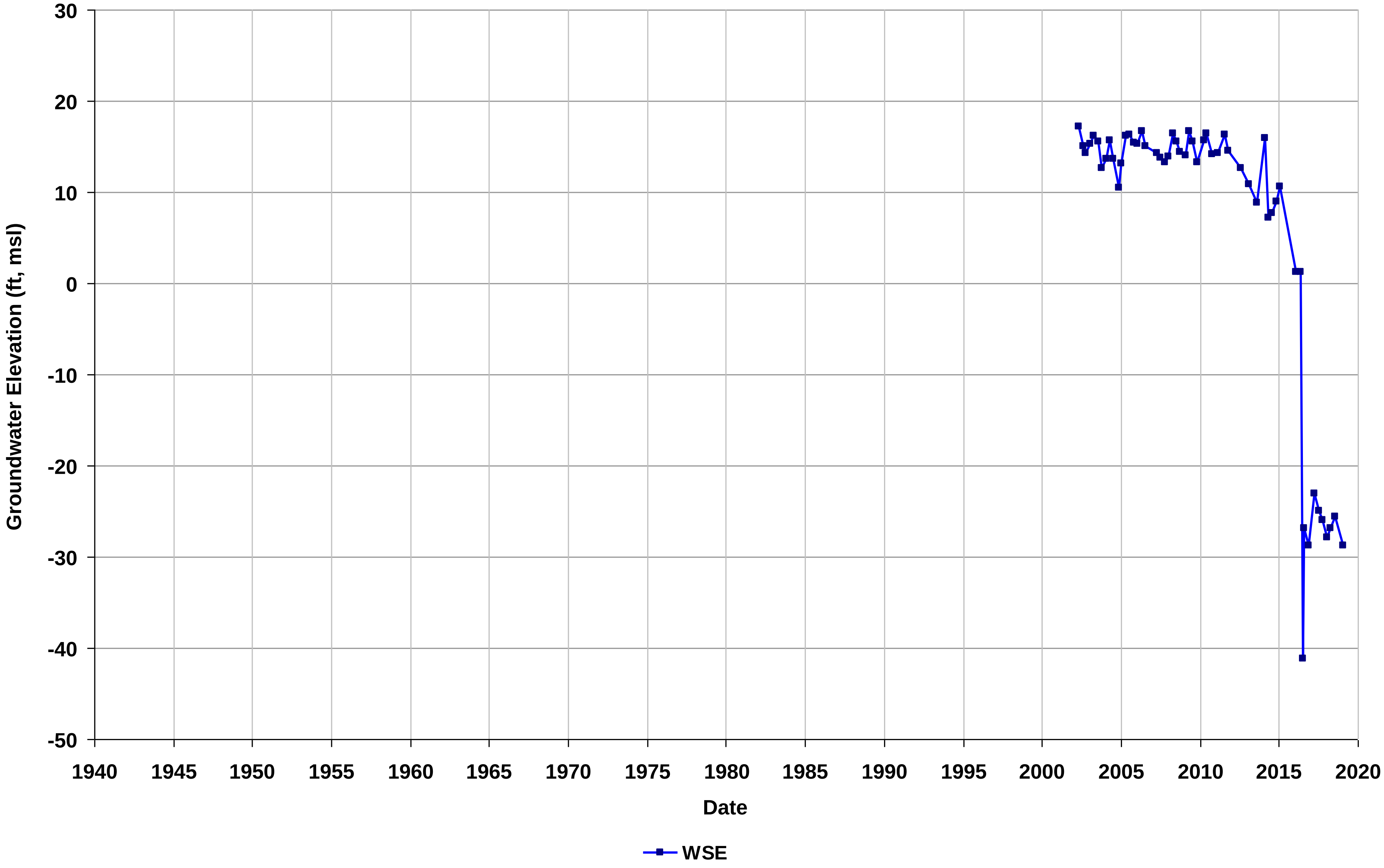
Well Name: T0600100218-MW-10
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



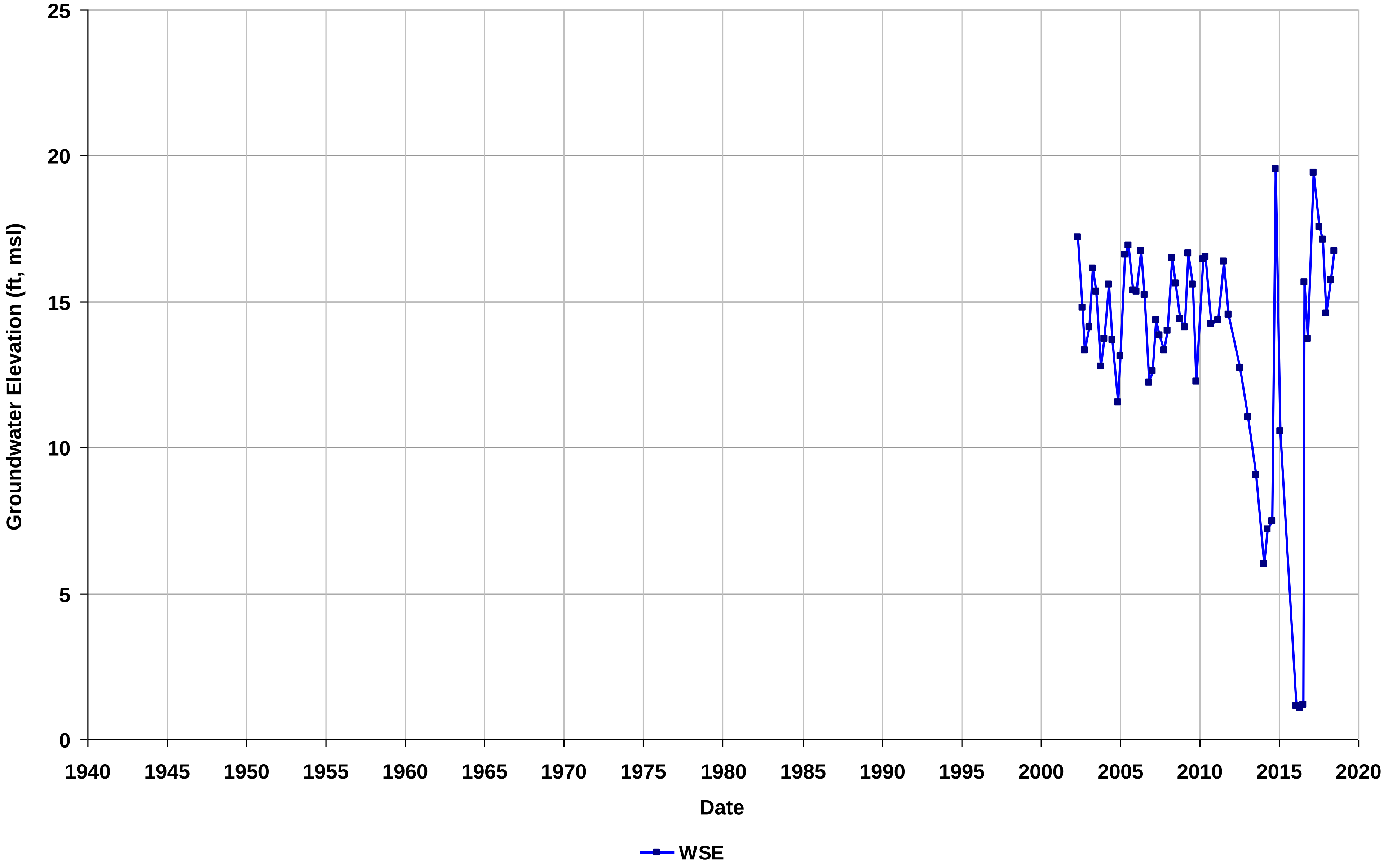
Well Name: T0600100218-MW-11
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



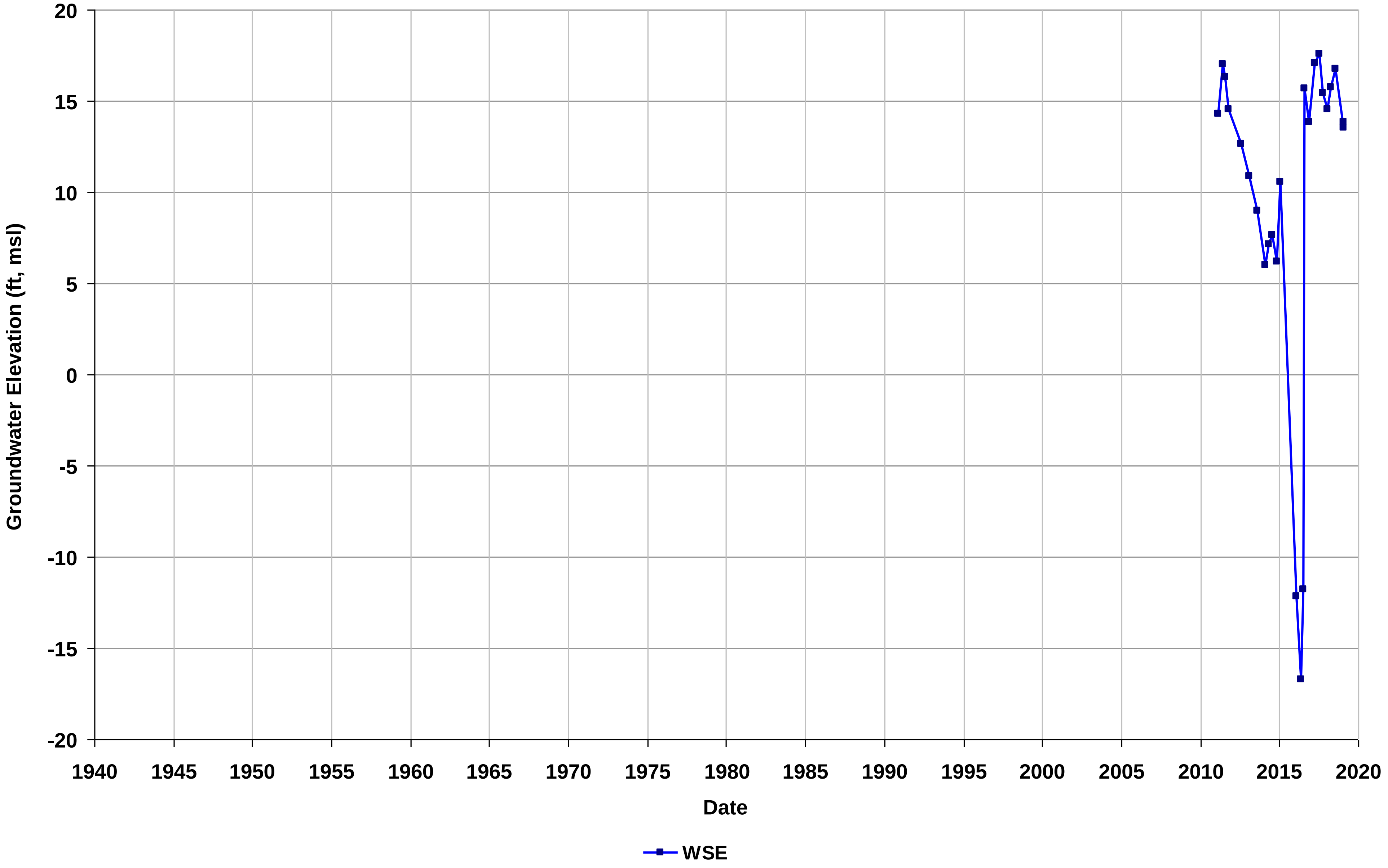
Well Name: T0600100218-MW-12
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



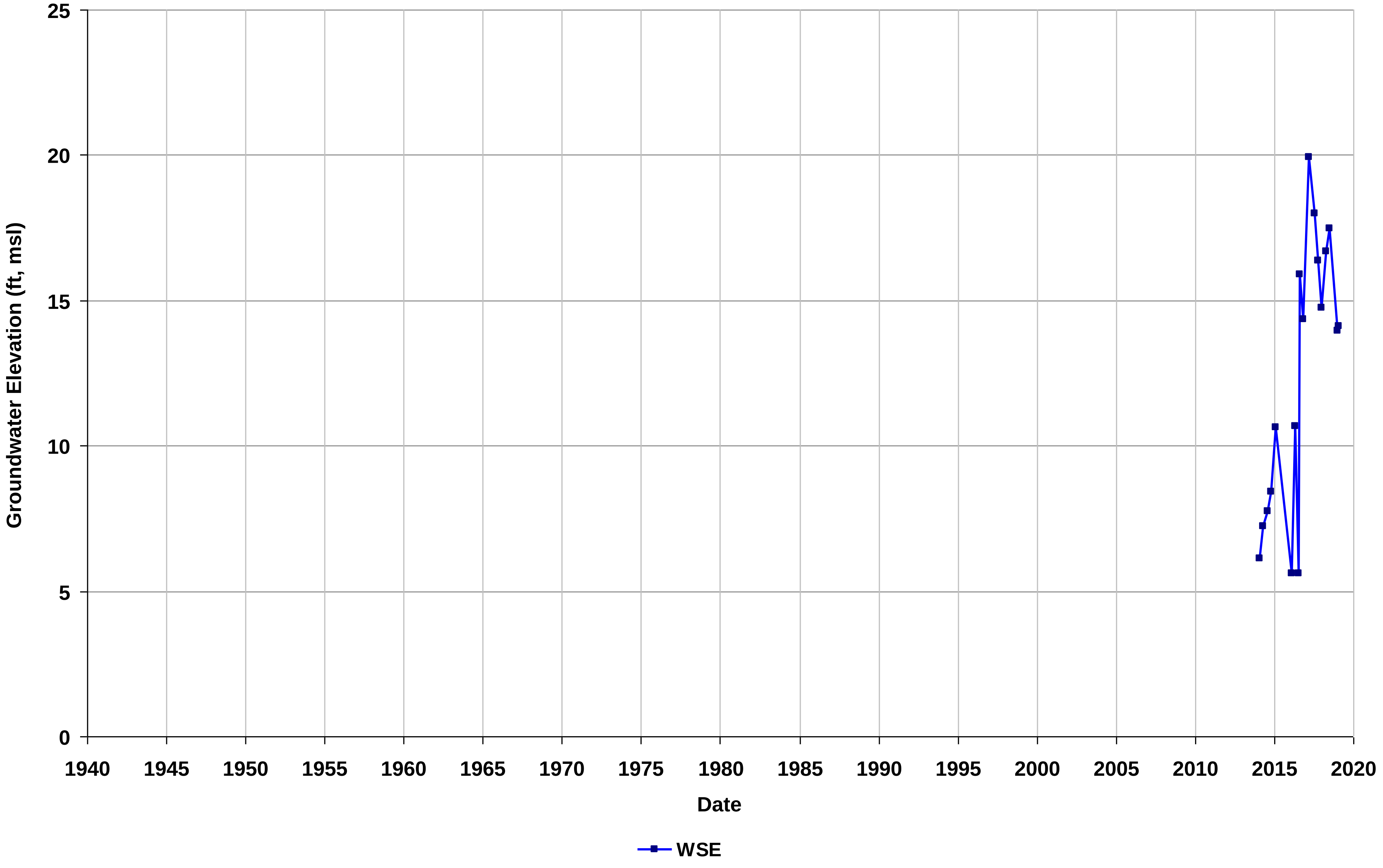
Well Name: T0600100218-MW-13
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



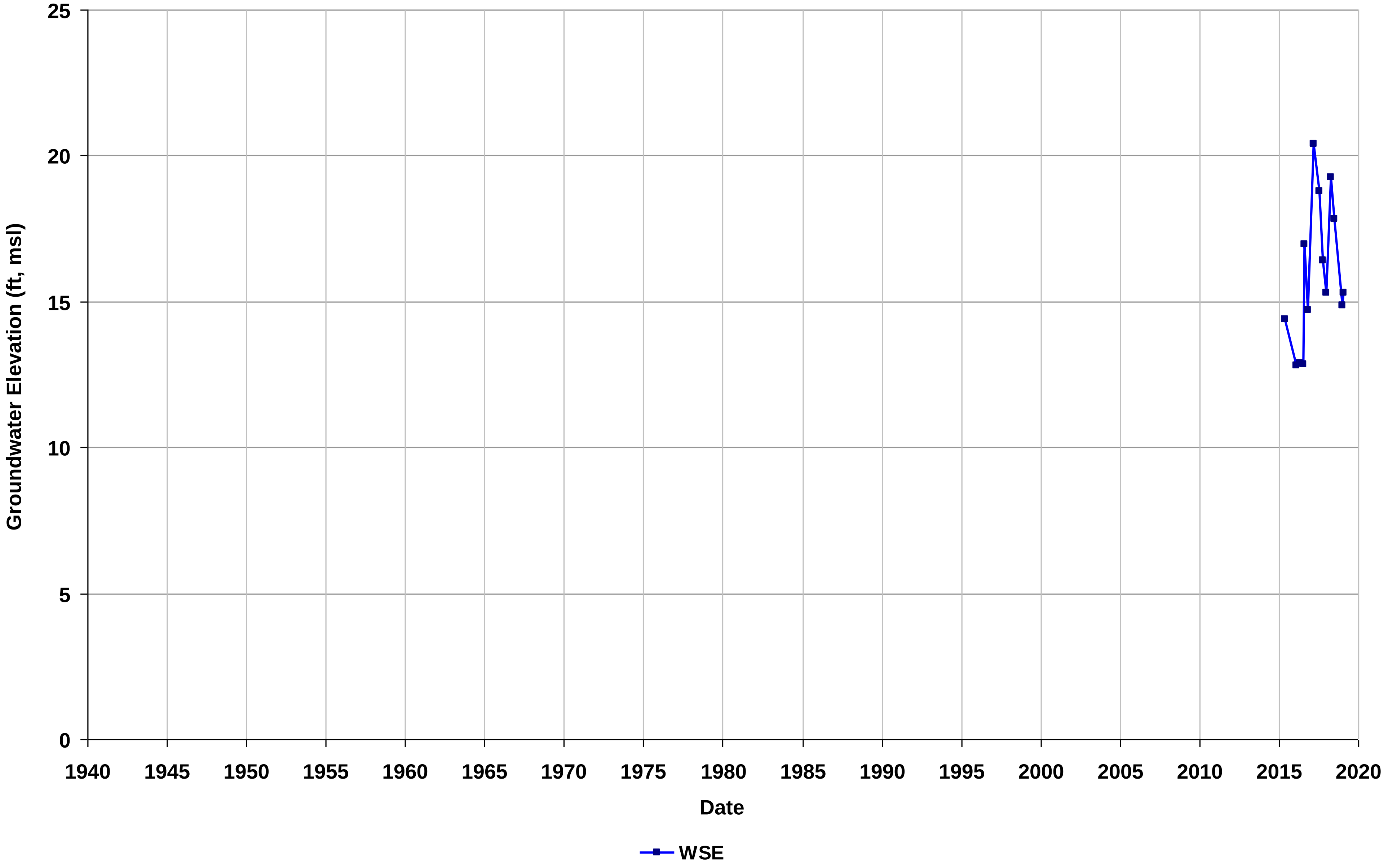
Well Name: T0600100218-MW-14
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



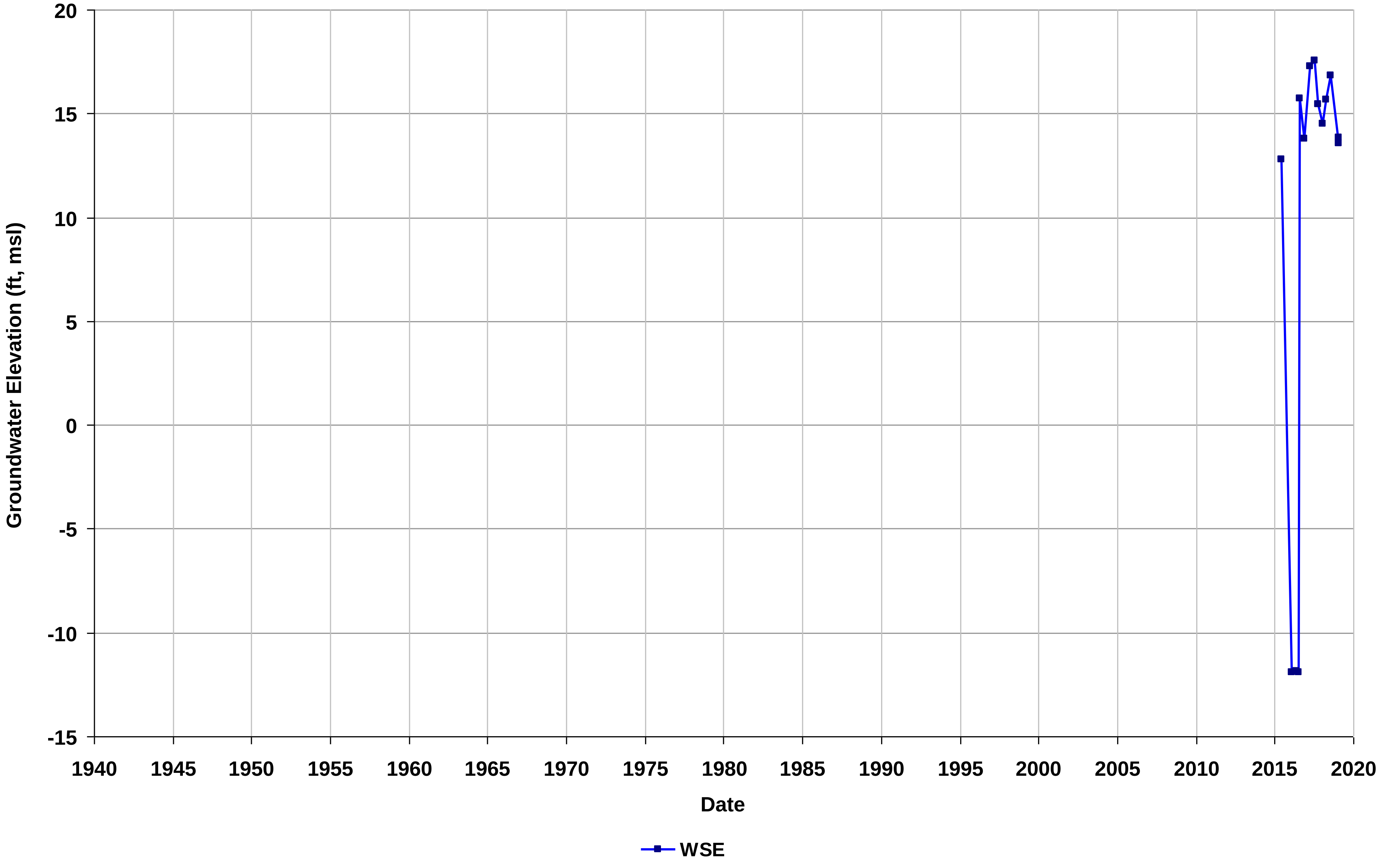
Well Name: T0600100218-MW-15
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



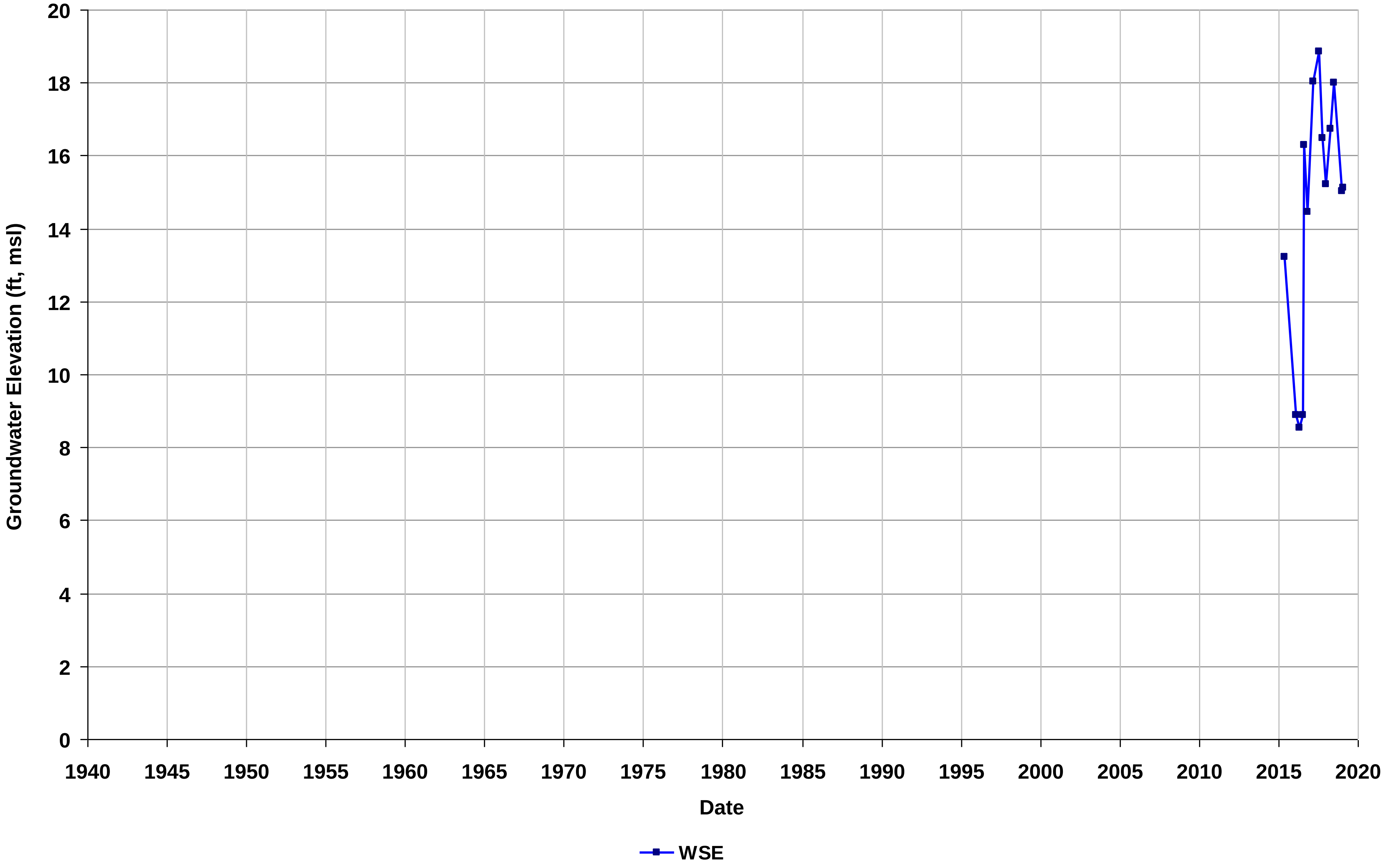
Well Name: T0600100218-MW-15D
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



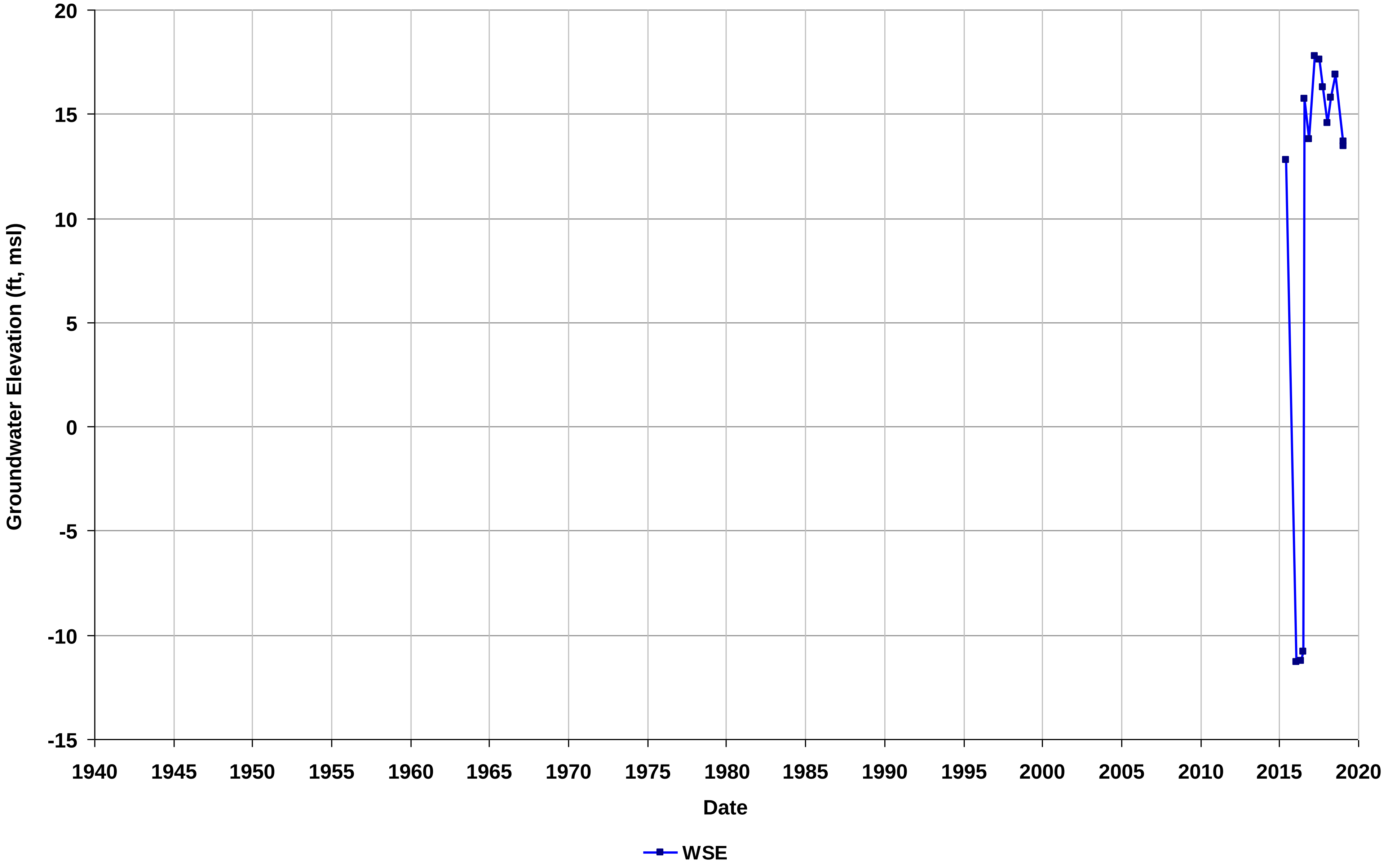
Well Name: T0600100218-MW-16
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



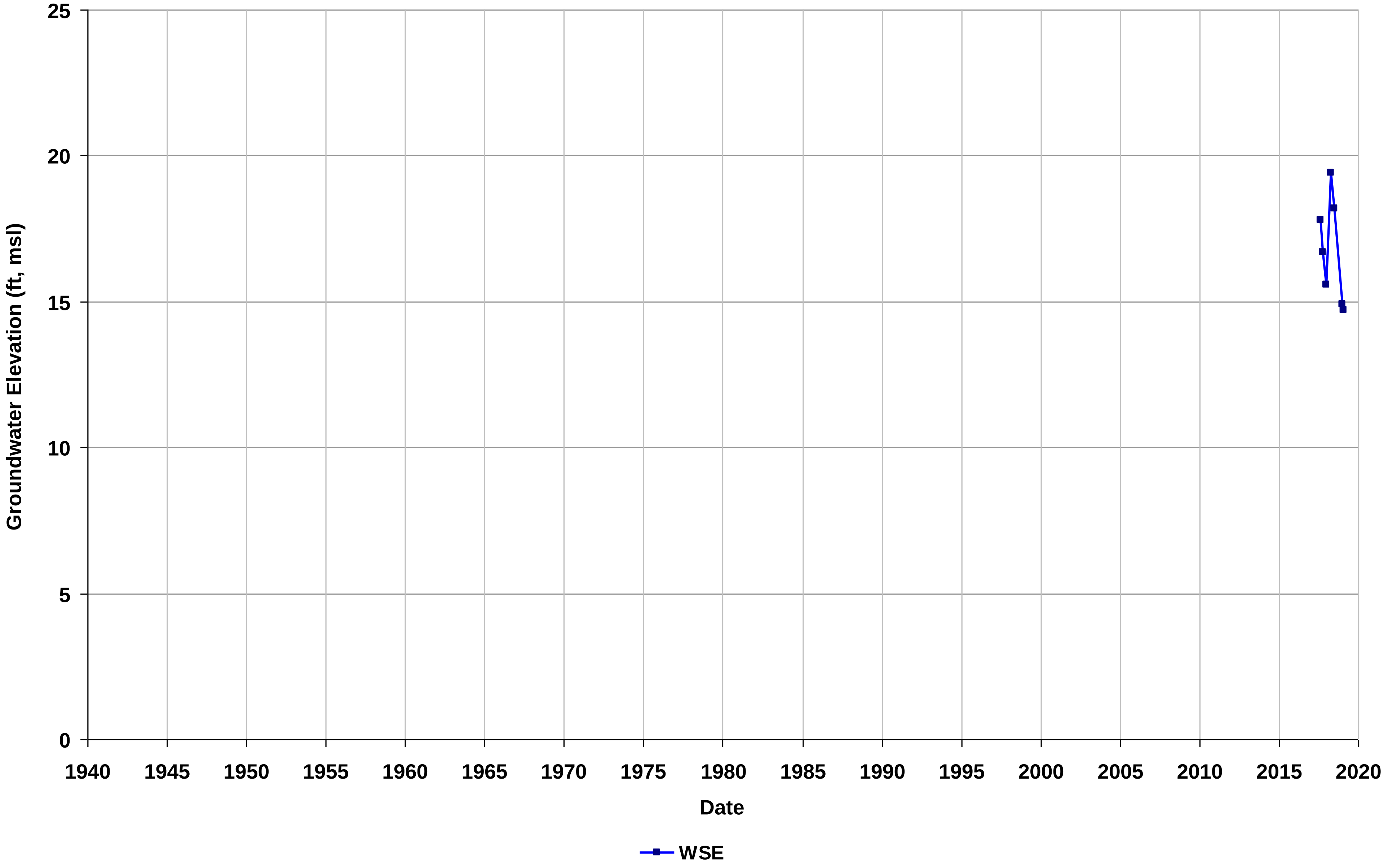
Well Name: T0600100218-MW-16D
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



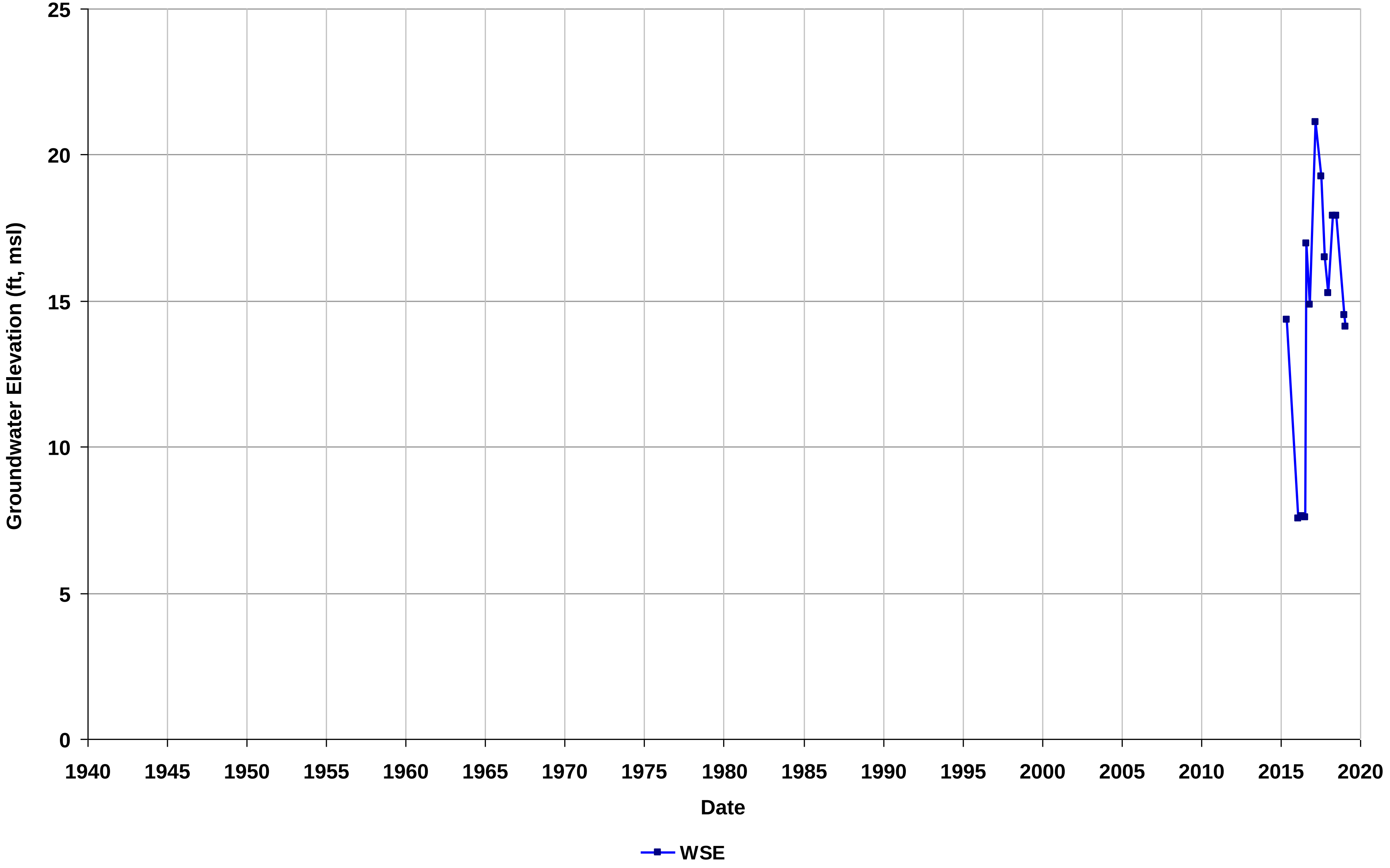
Well Name: T0600100218-MW-17
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



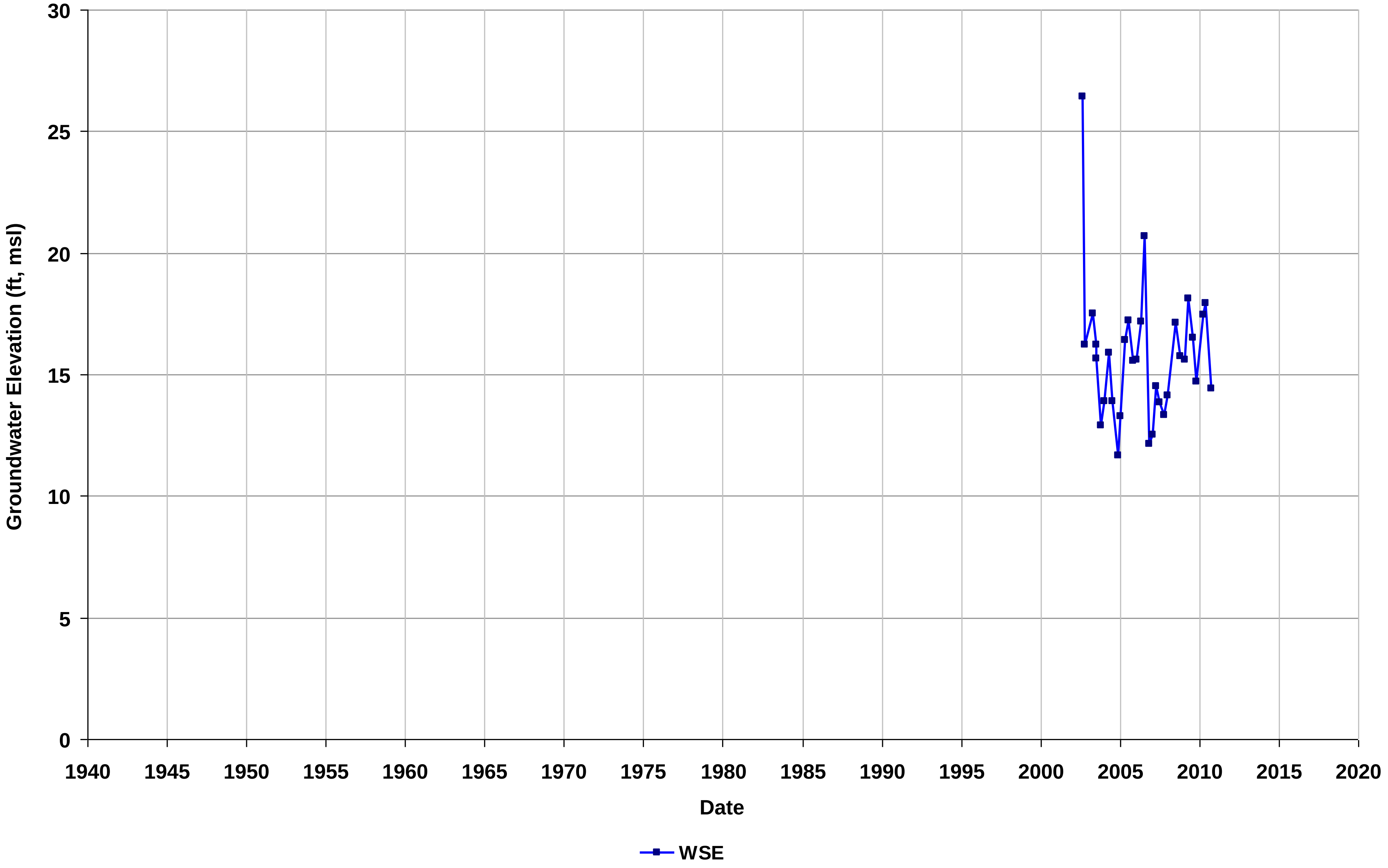
Well Name: T0600100218-MW-1R
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



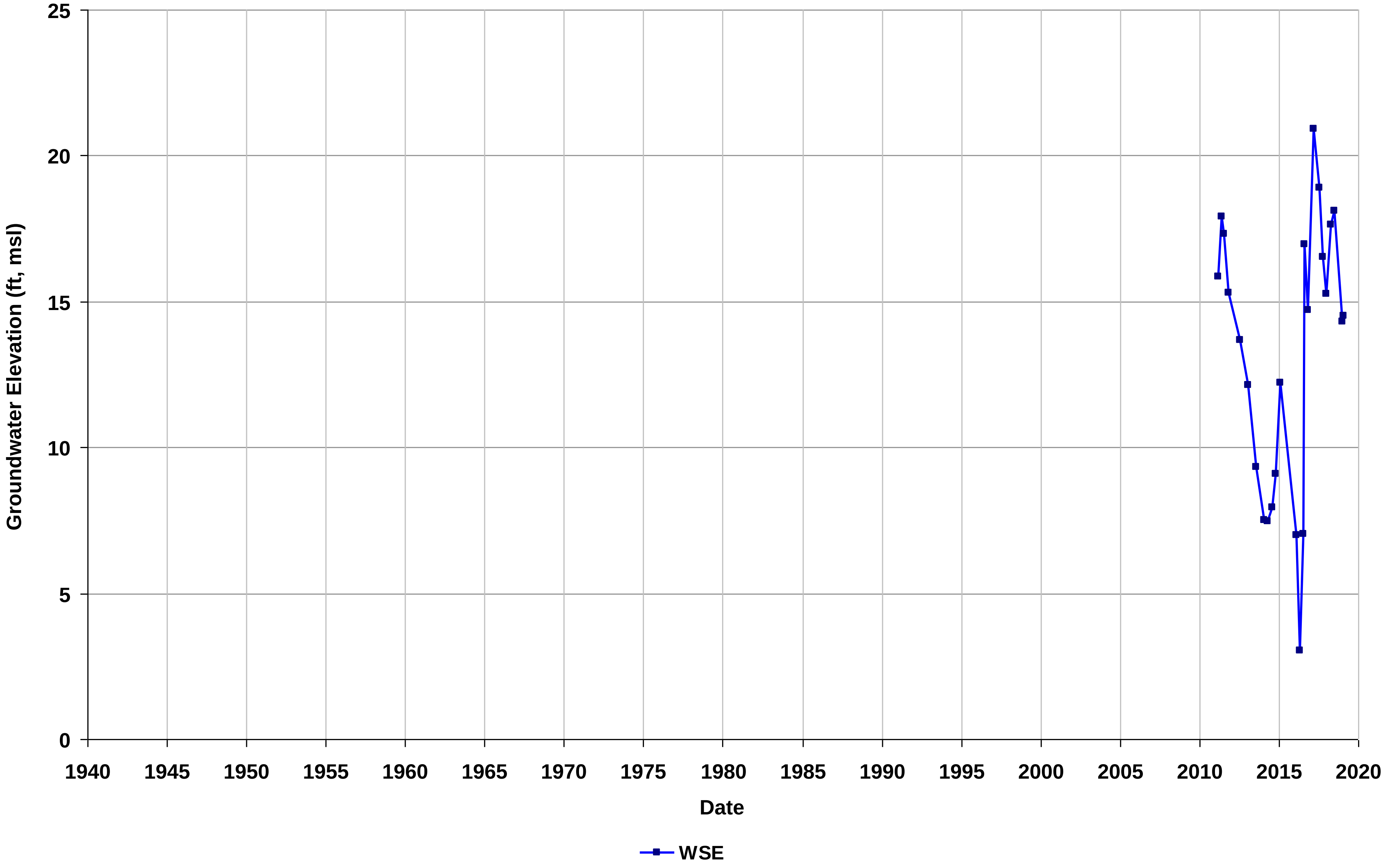
Well Name: T0600100218-MW-2A
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



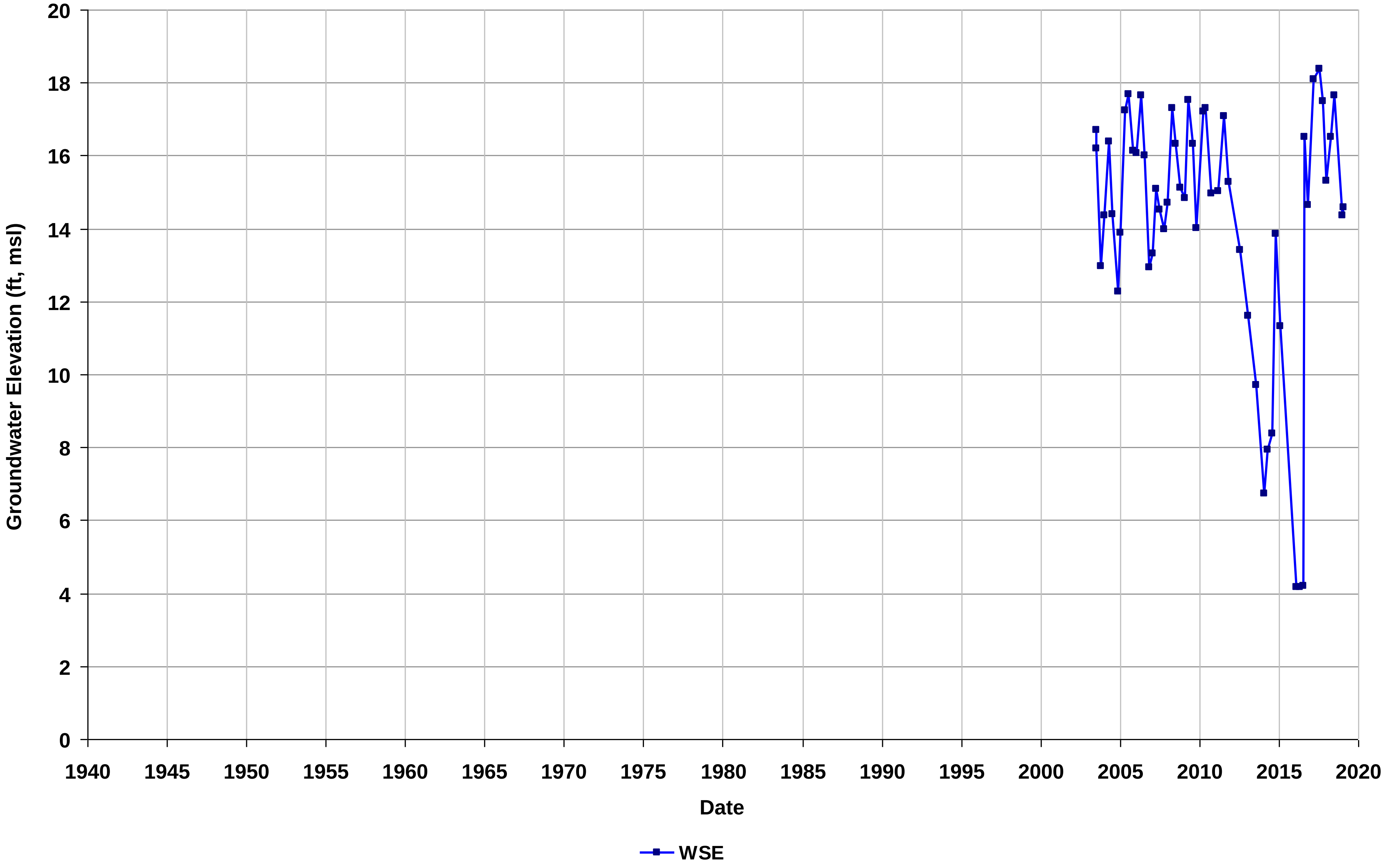
Well Name: T0600100218-MW-2AR
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



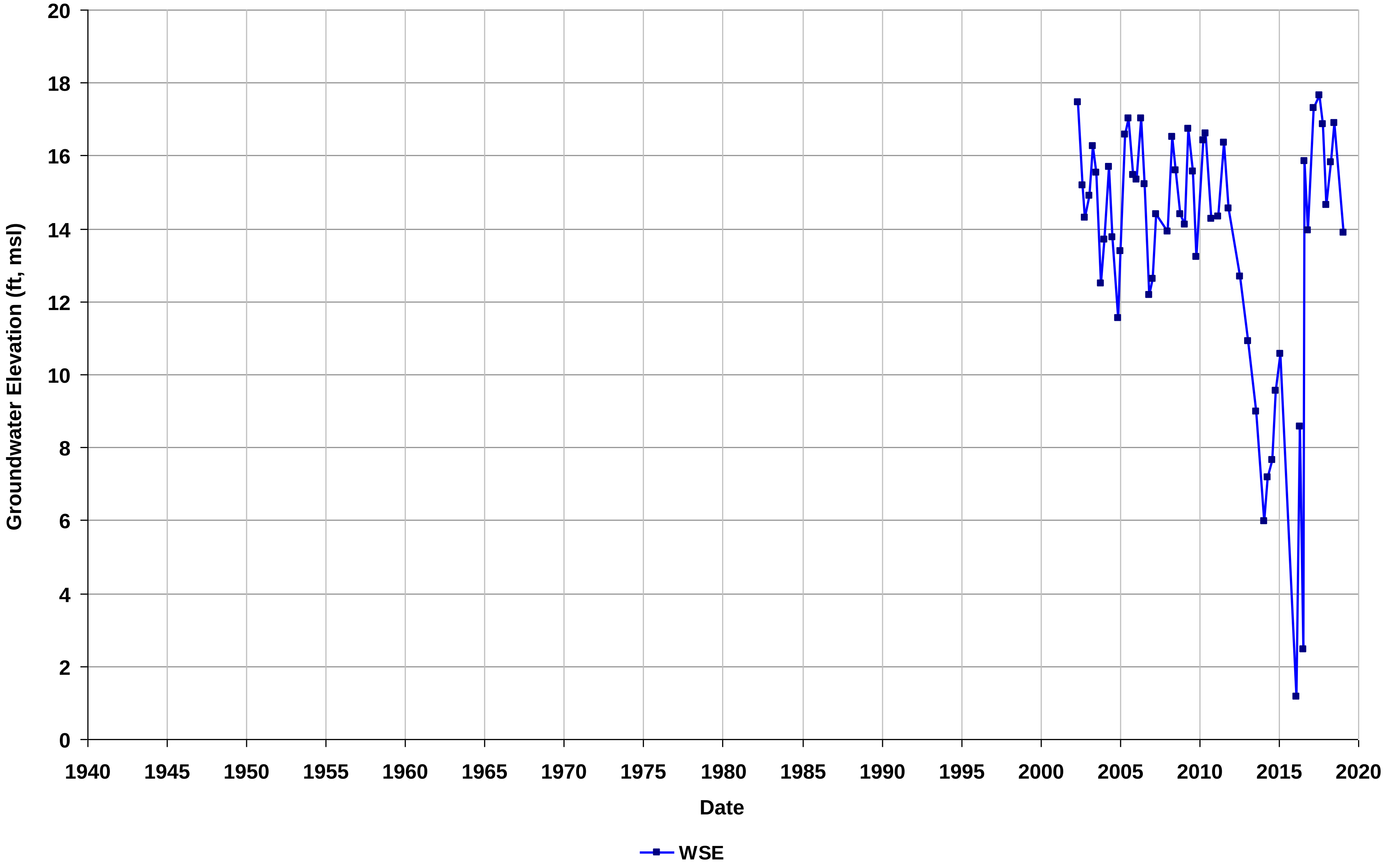
Well Name: T0600100218-MW-3A
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



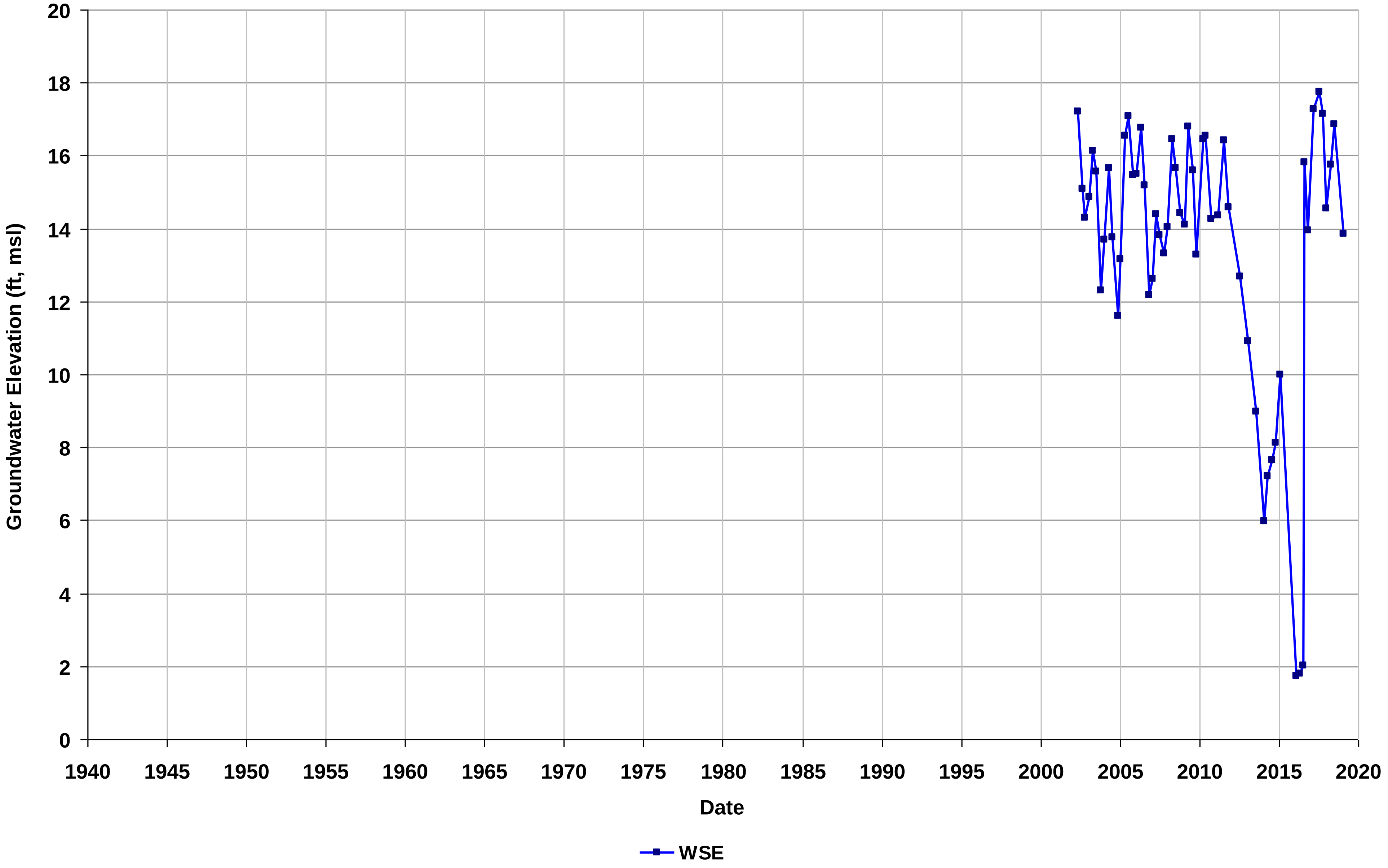
Well Name: T0600100218-MW-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



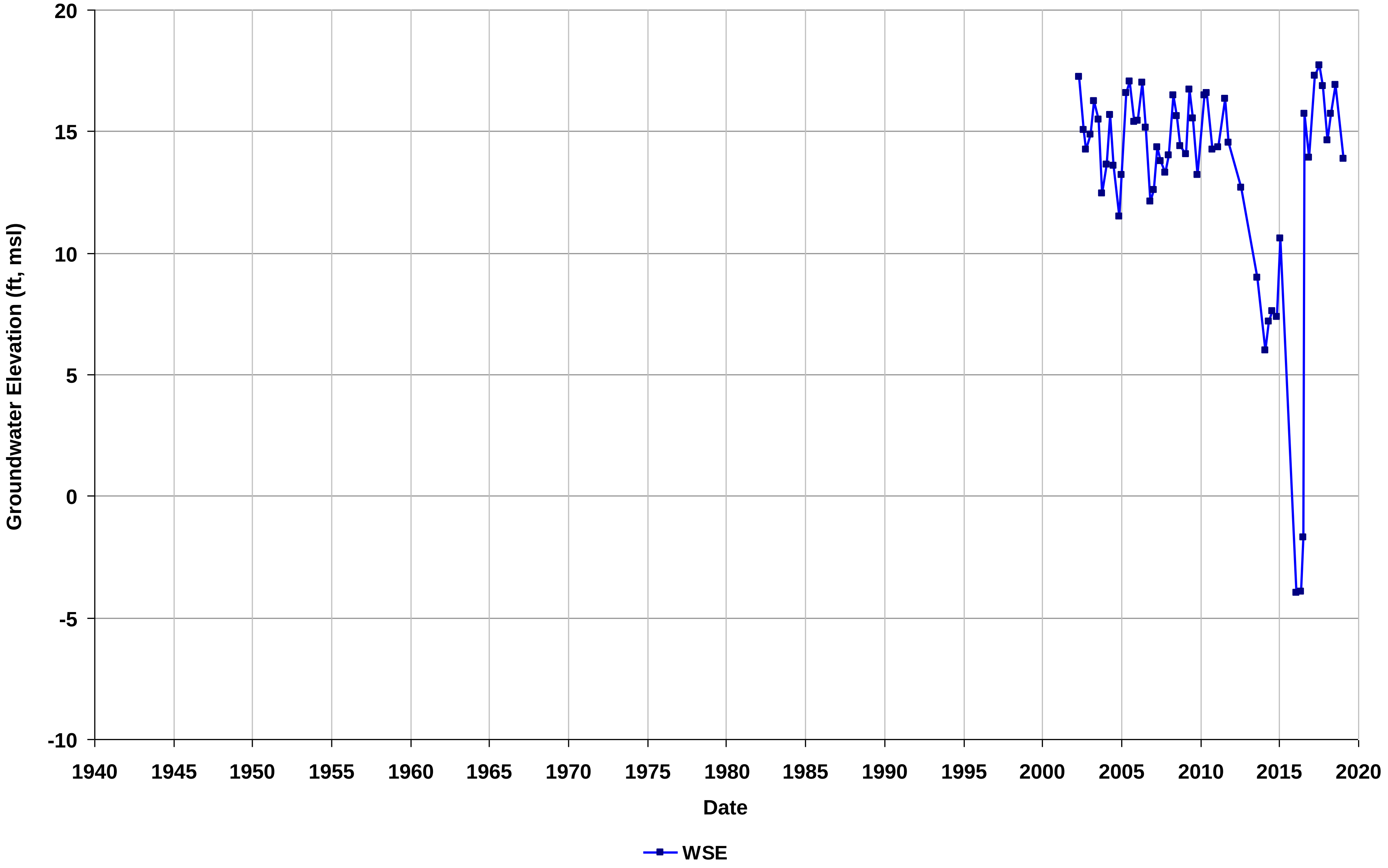
Well Name: T0600100218-MW-5
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



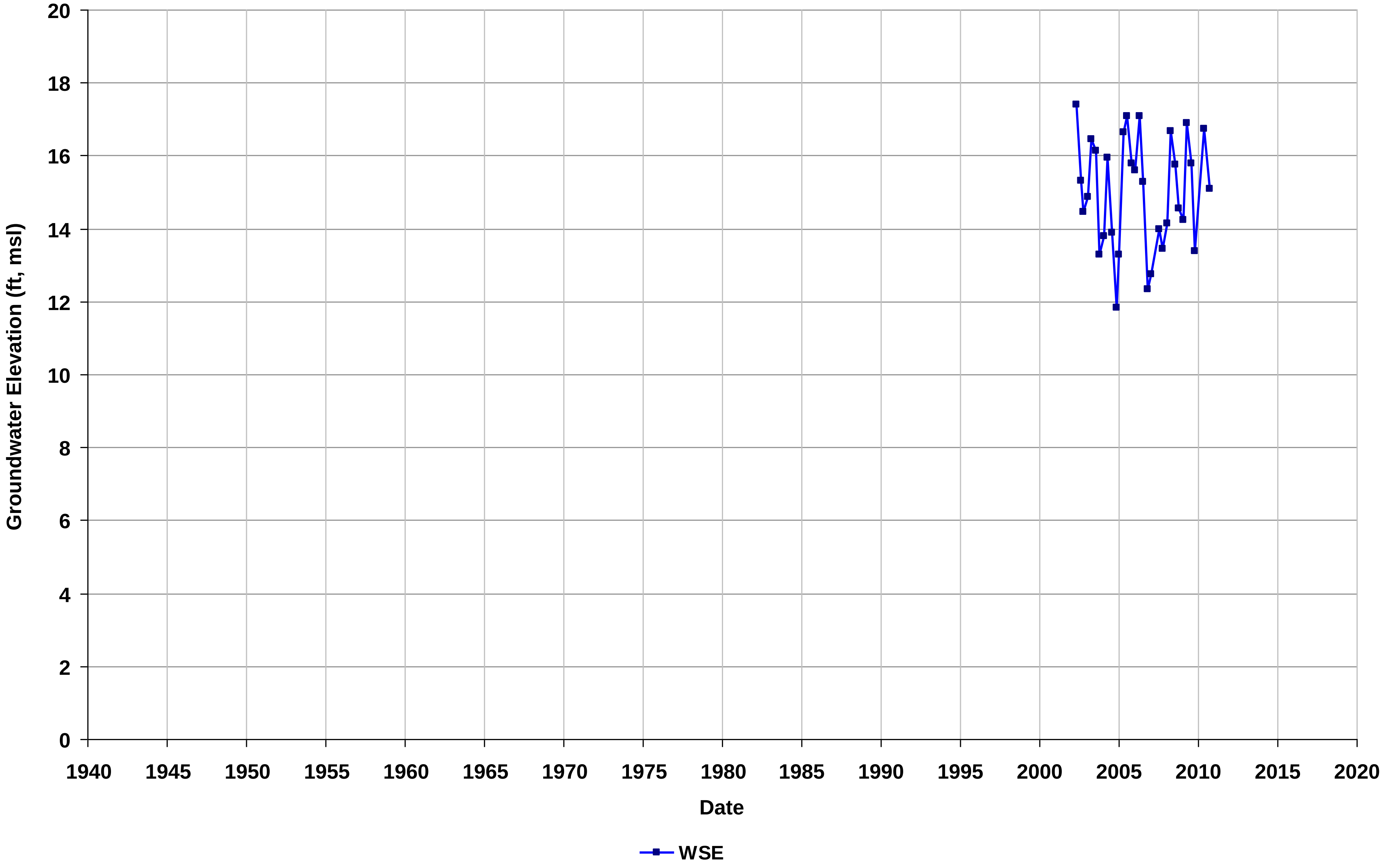
Well Name: T0600100218-MW-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



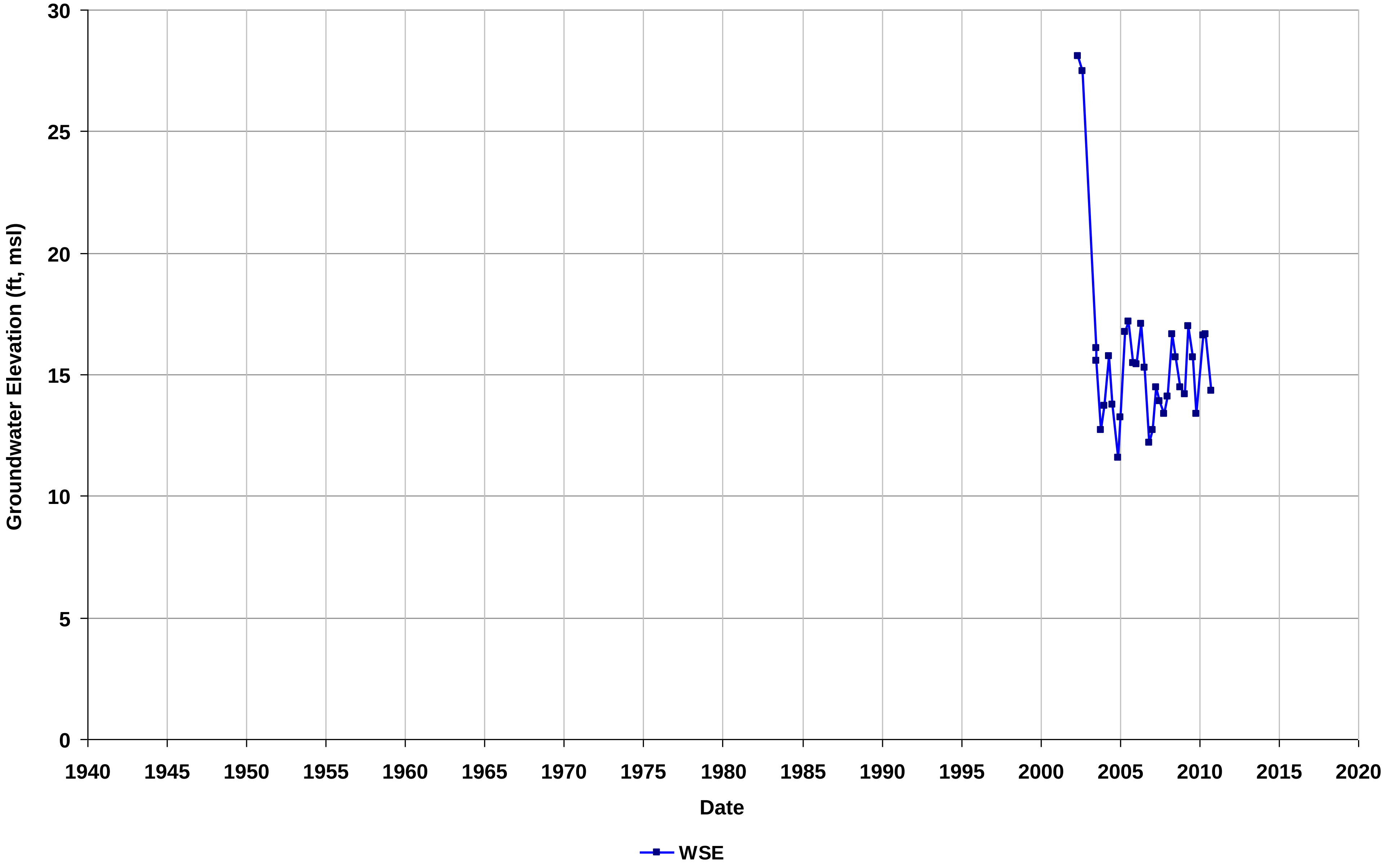
Well Name: T0600100218-MW-7
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



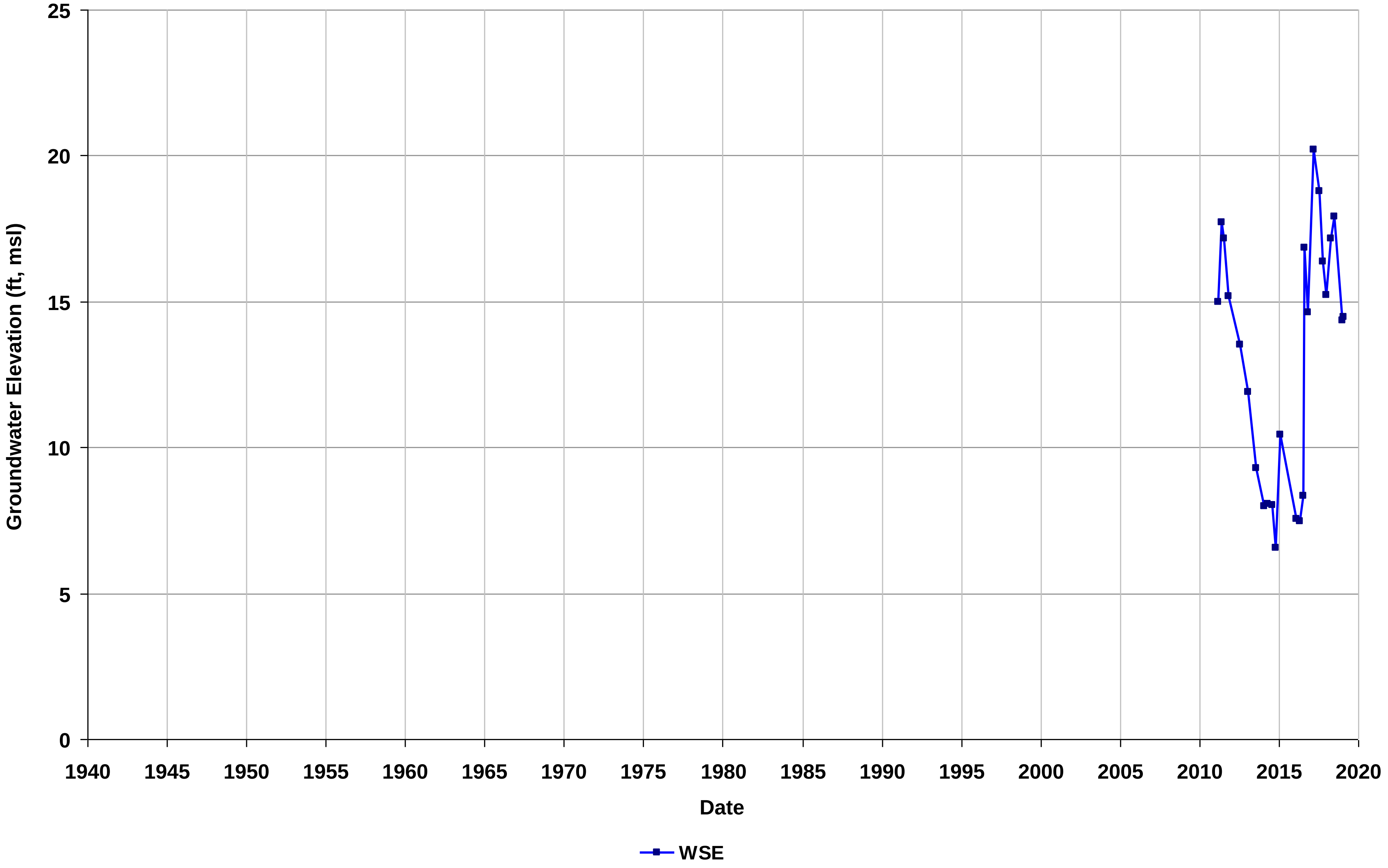
Well Name: T0600100218-MW-8A
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



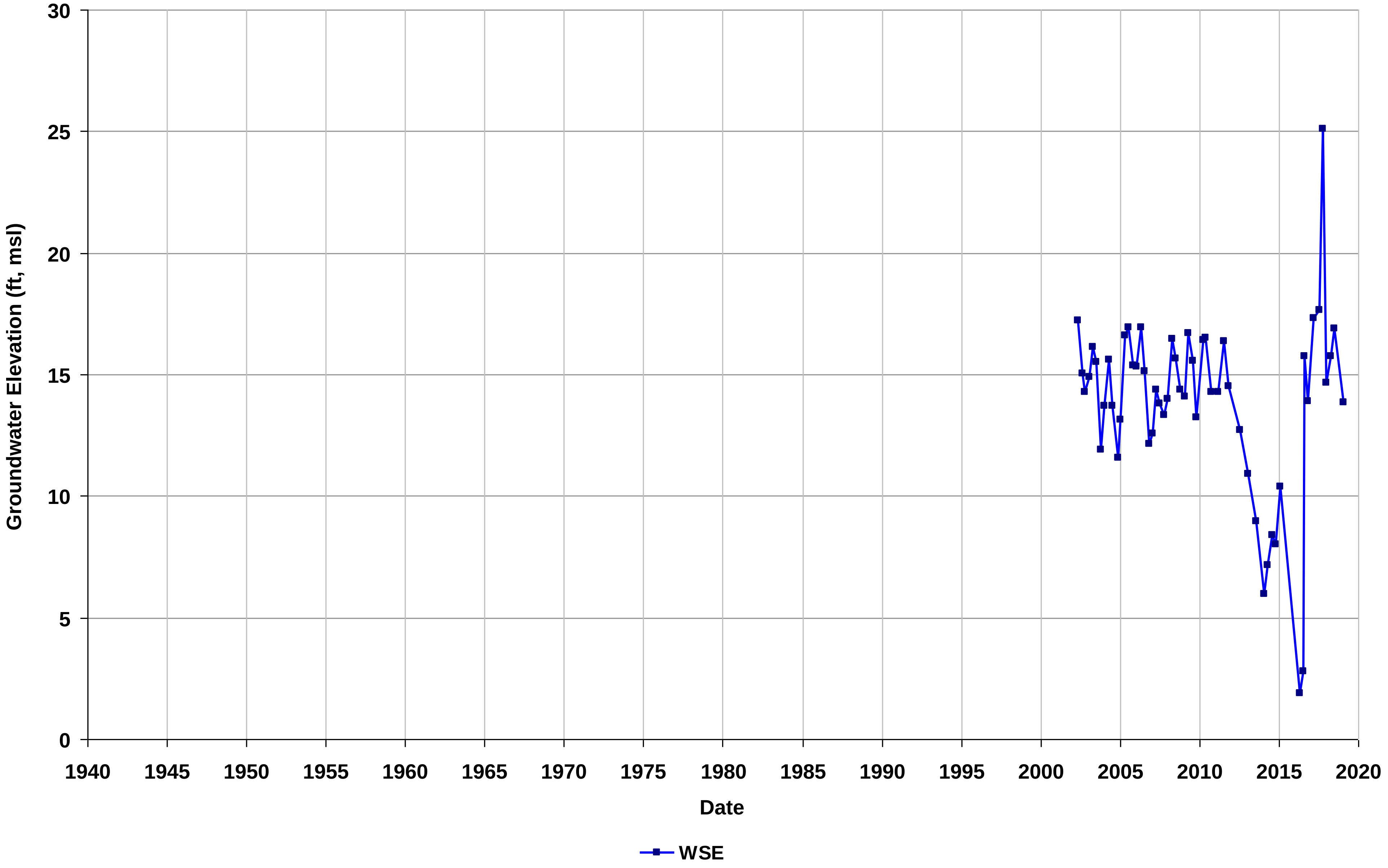
Well Name: T0600100218-MW-8AR
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



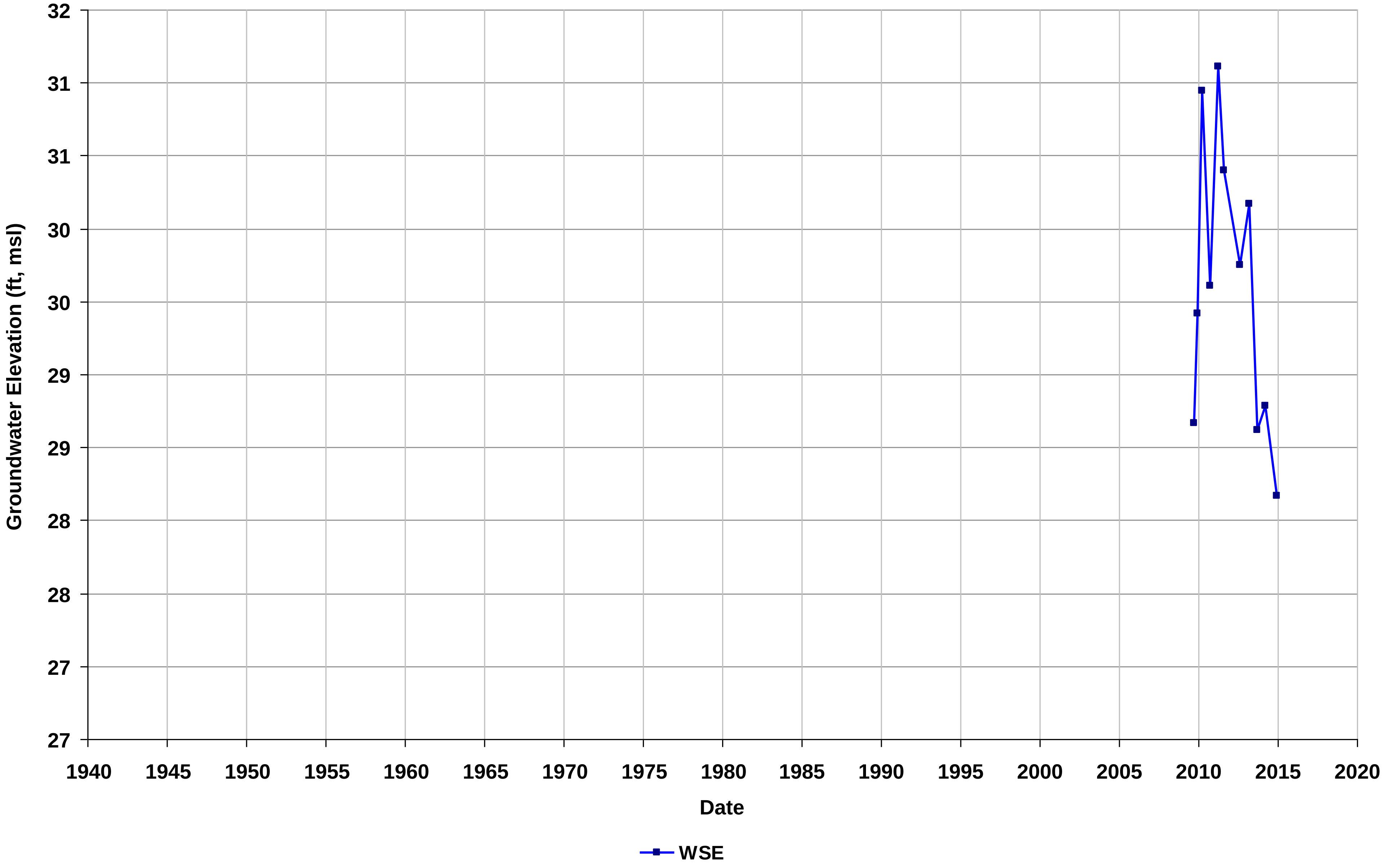
Well Name: T0600100218-MW-9
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



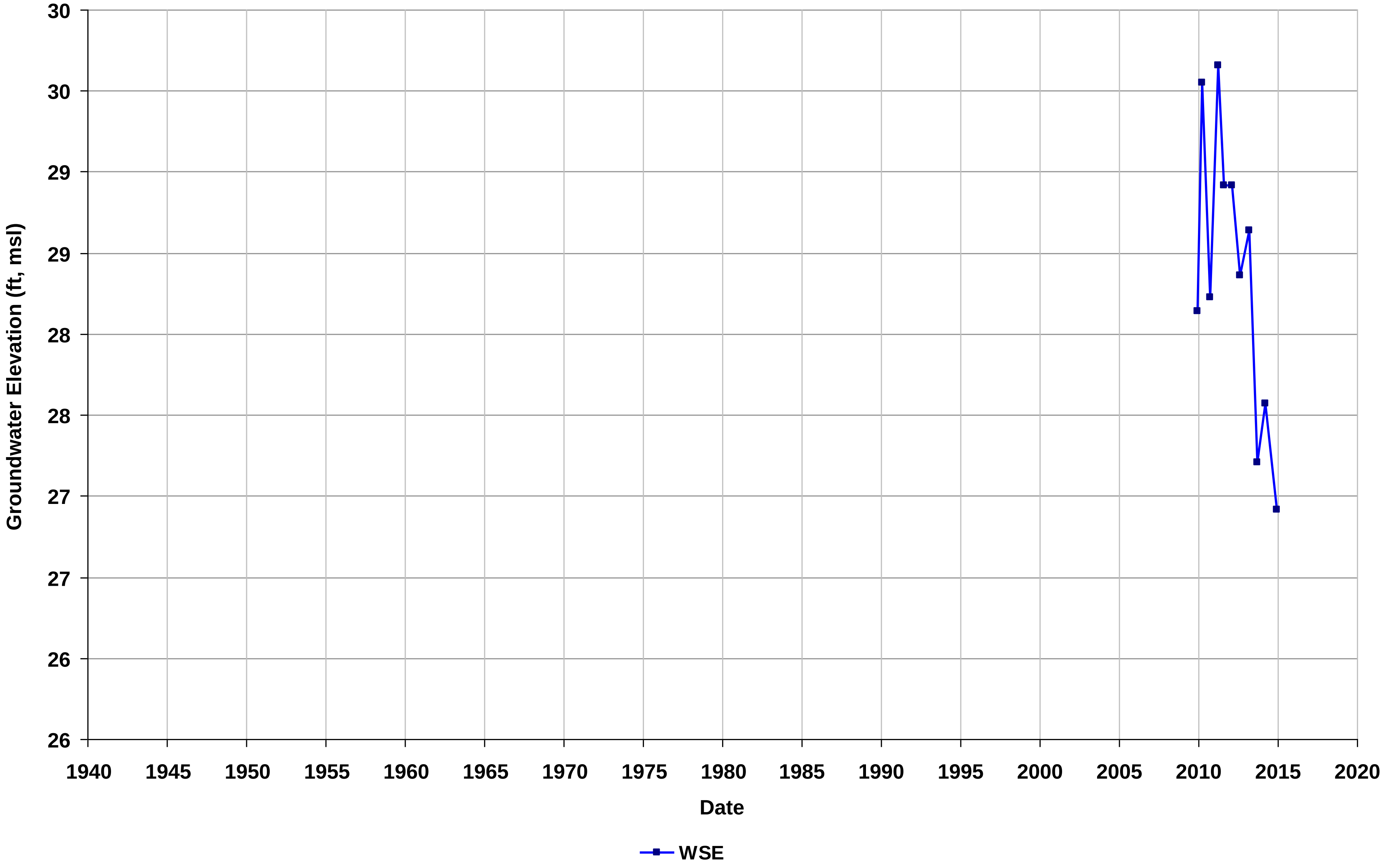
Well Name: T0600100233-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/19
Well Use: Observation



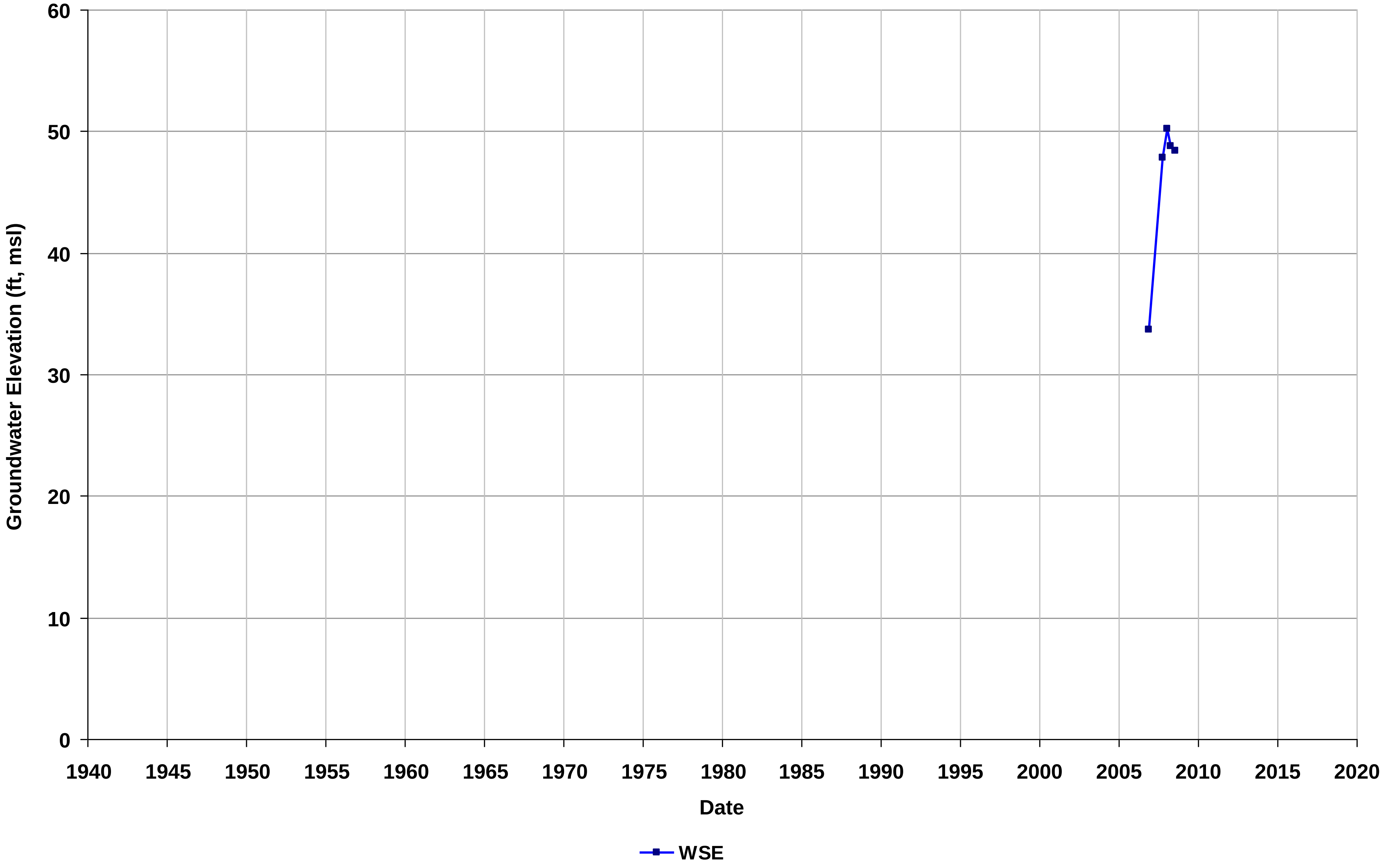
Well Name: T0600100233-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/18
Well Use: Observation



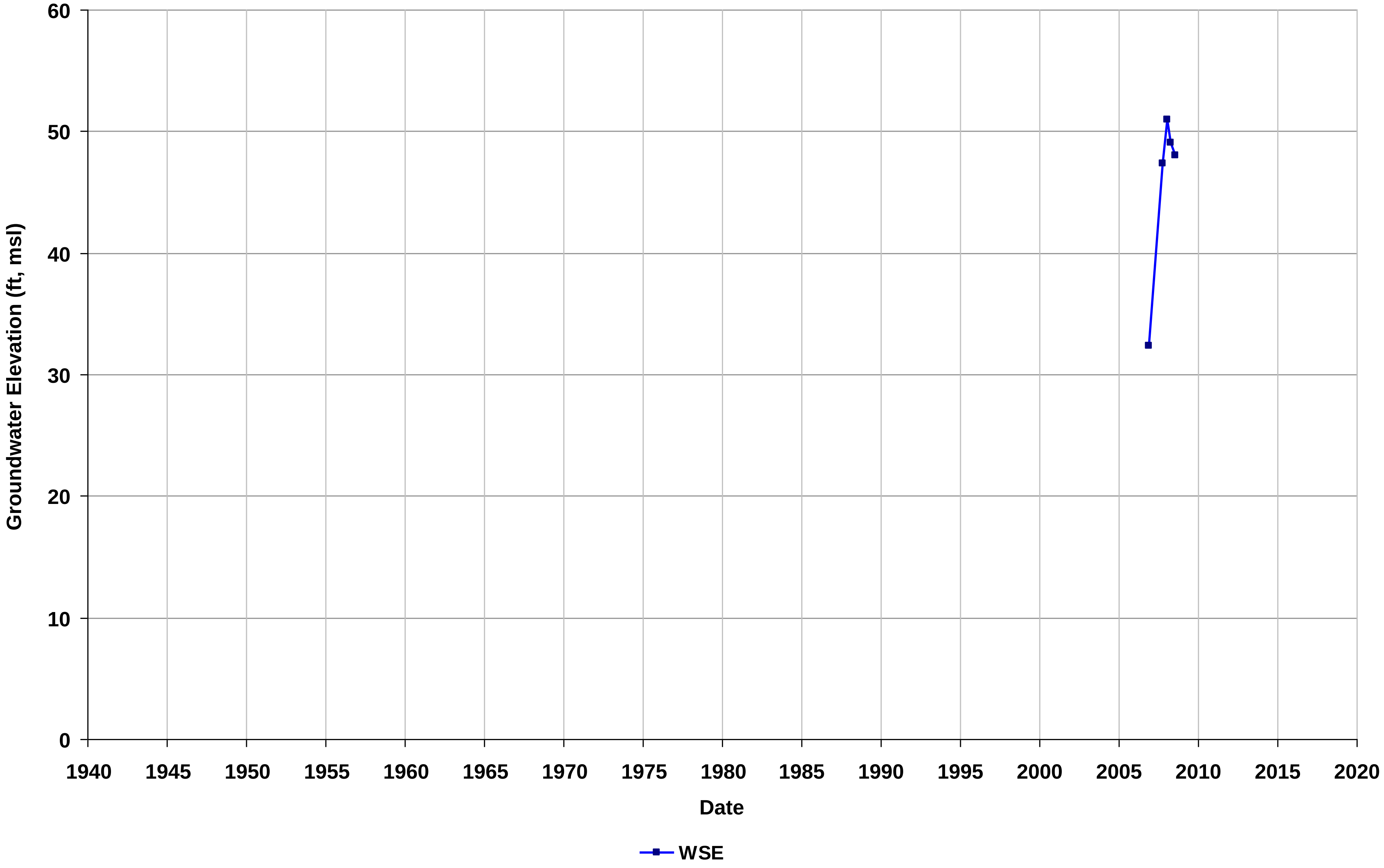
Well Name: T0600100249-E1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



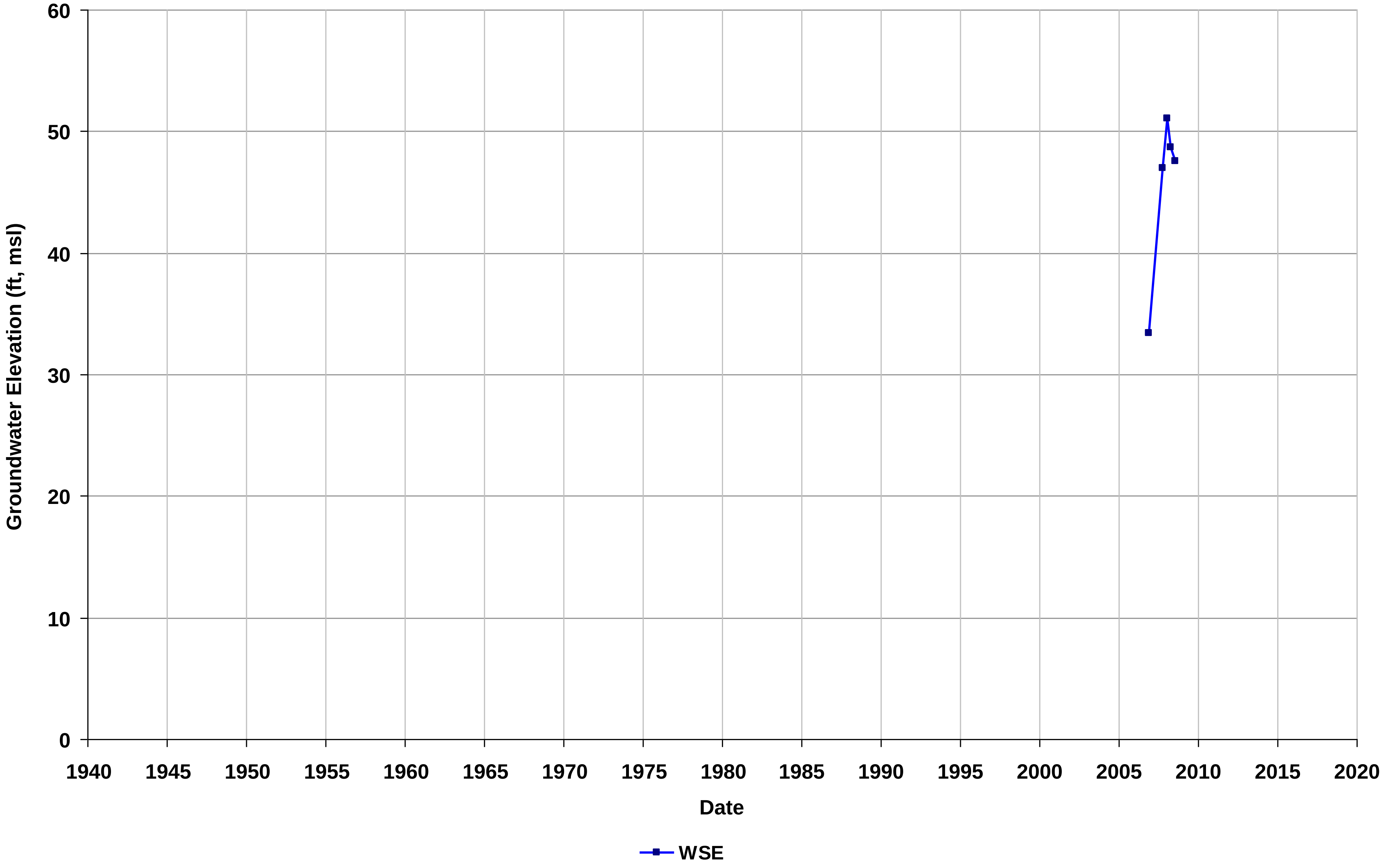
Well Name: T0600100249-E2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



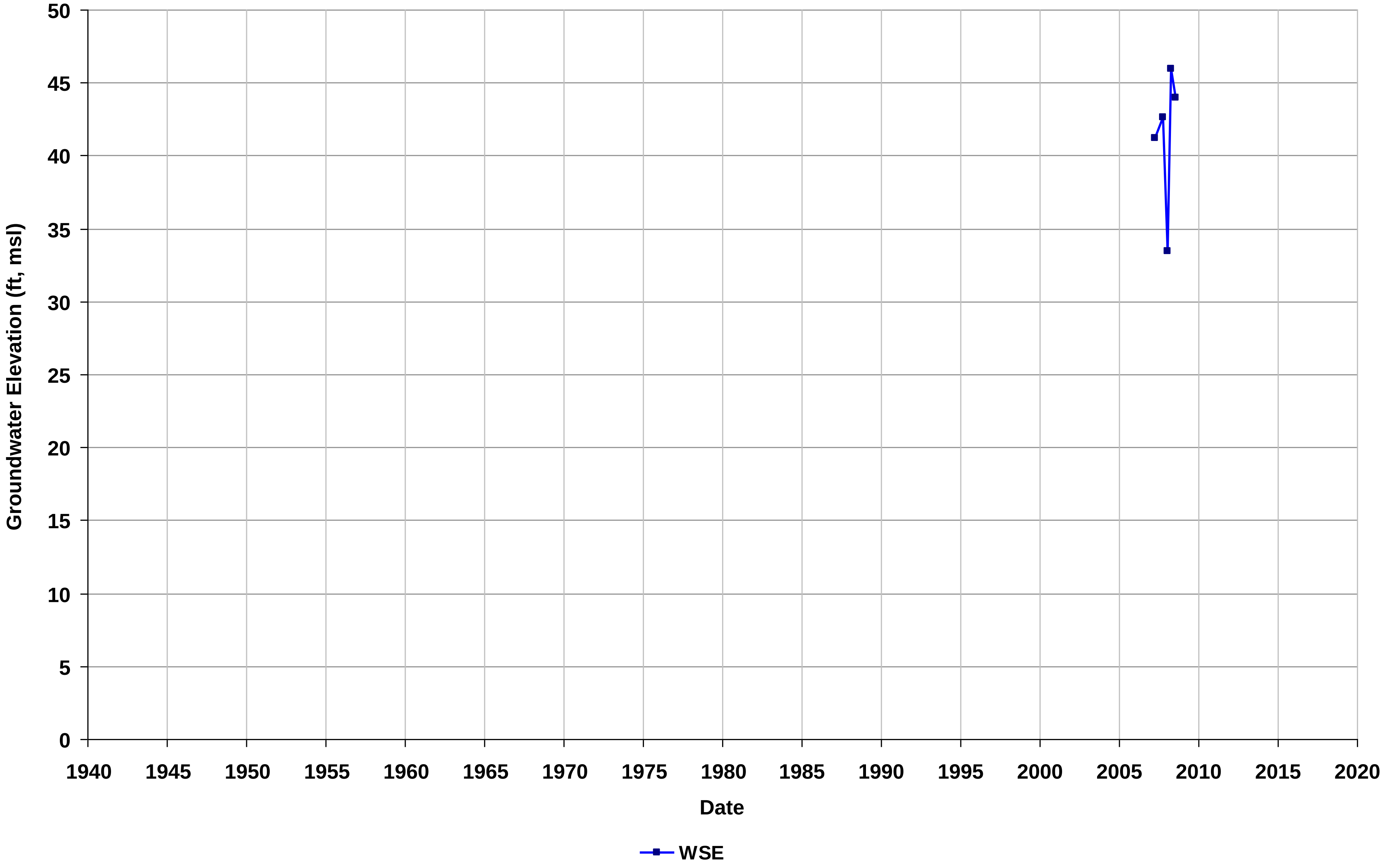
Well Name: T0600100249-E3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



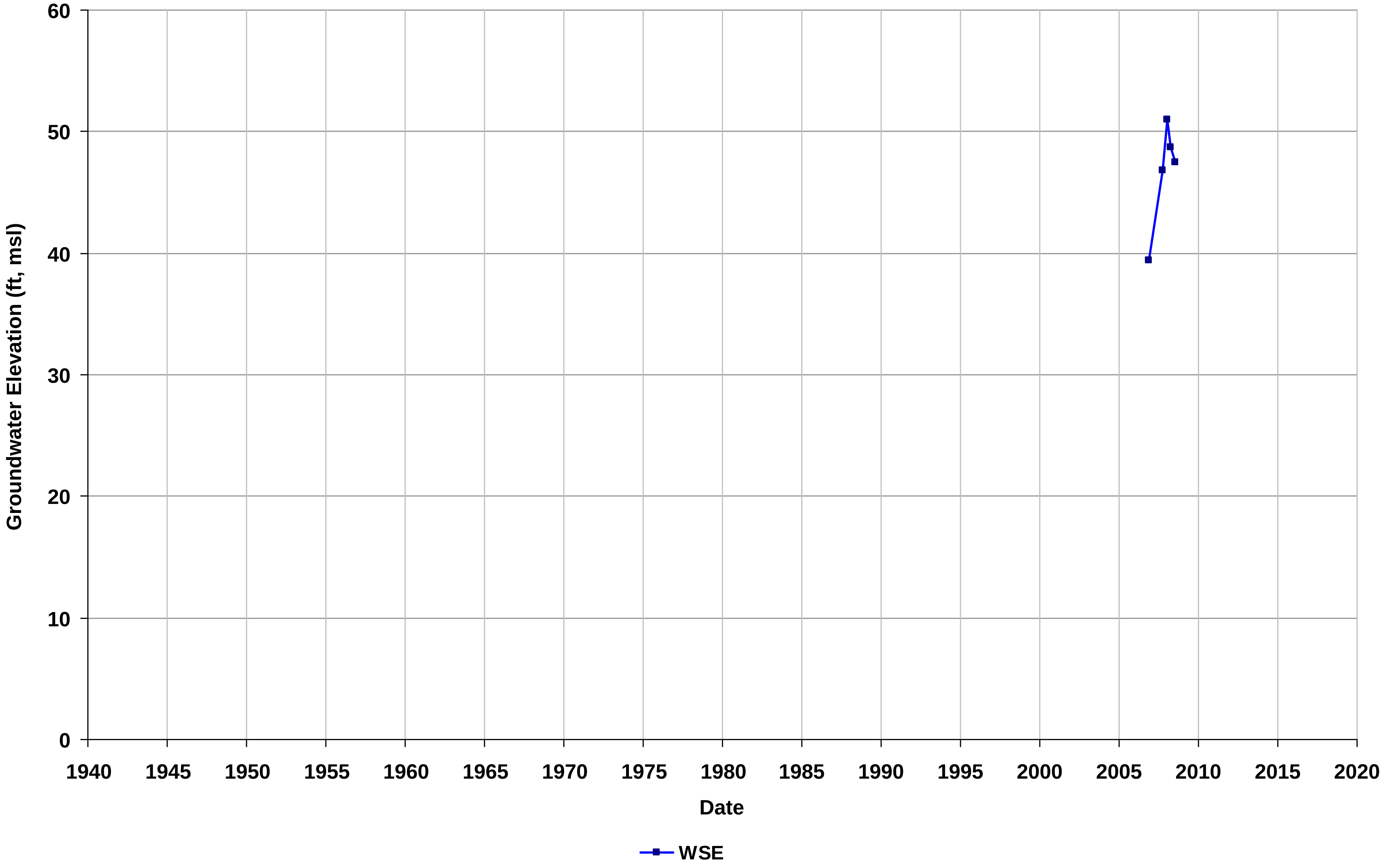
Well Name: T0600100249-E4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



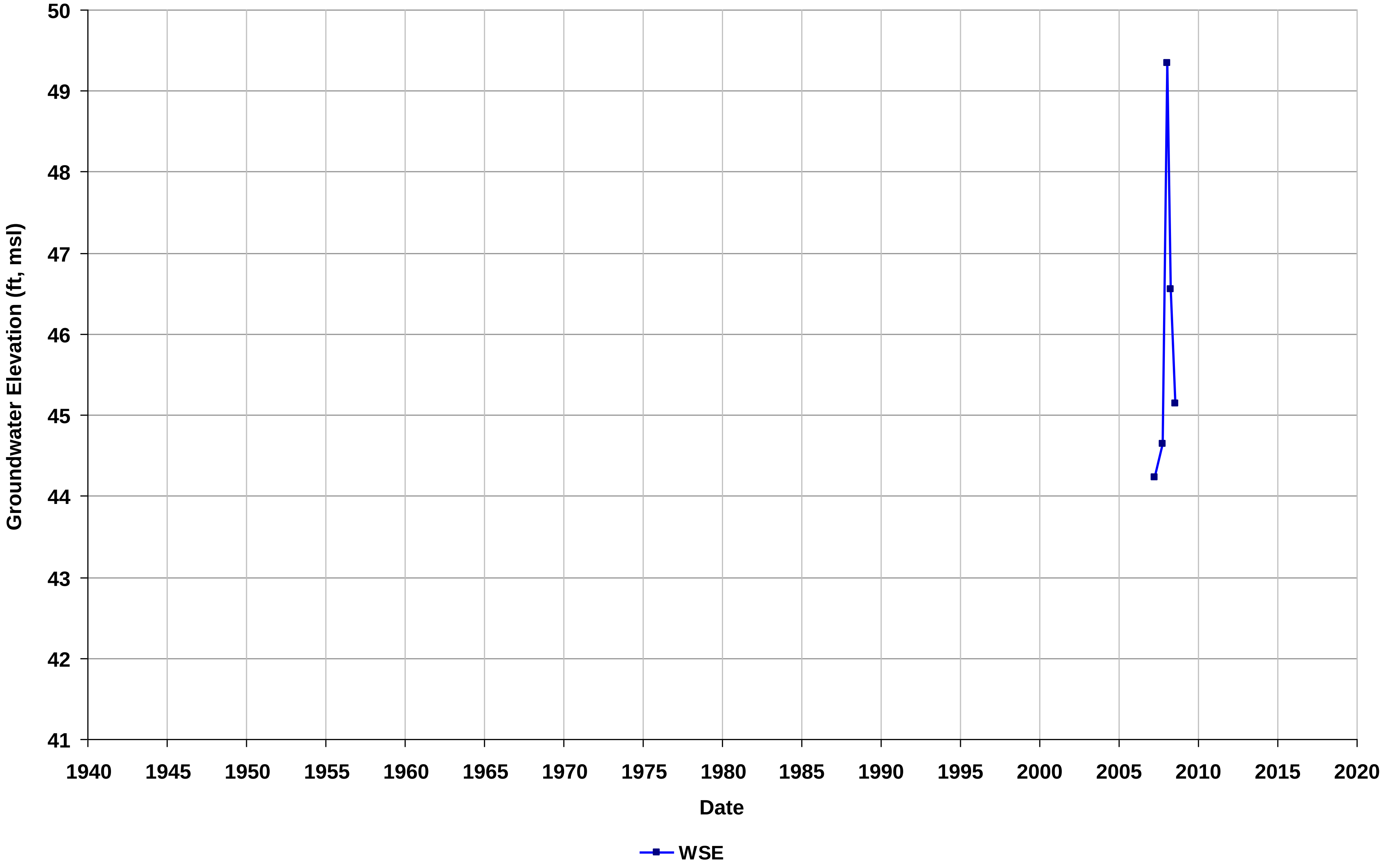
Well Name: T0600100249-E6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



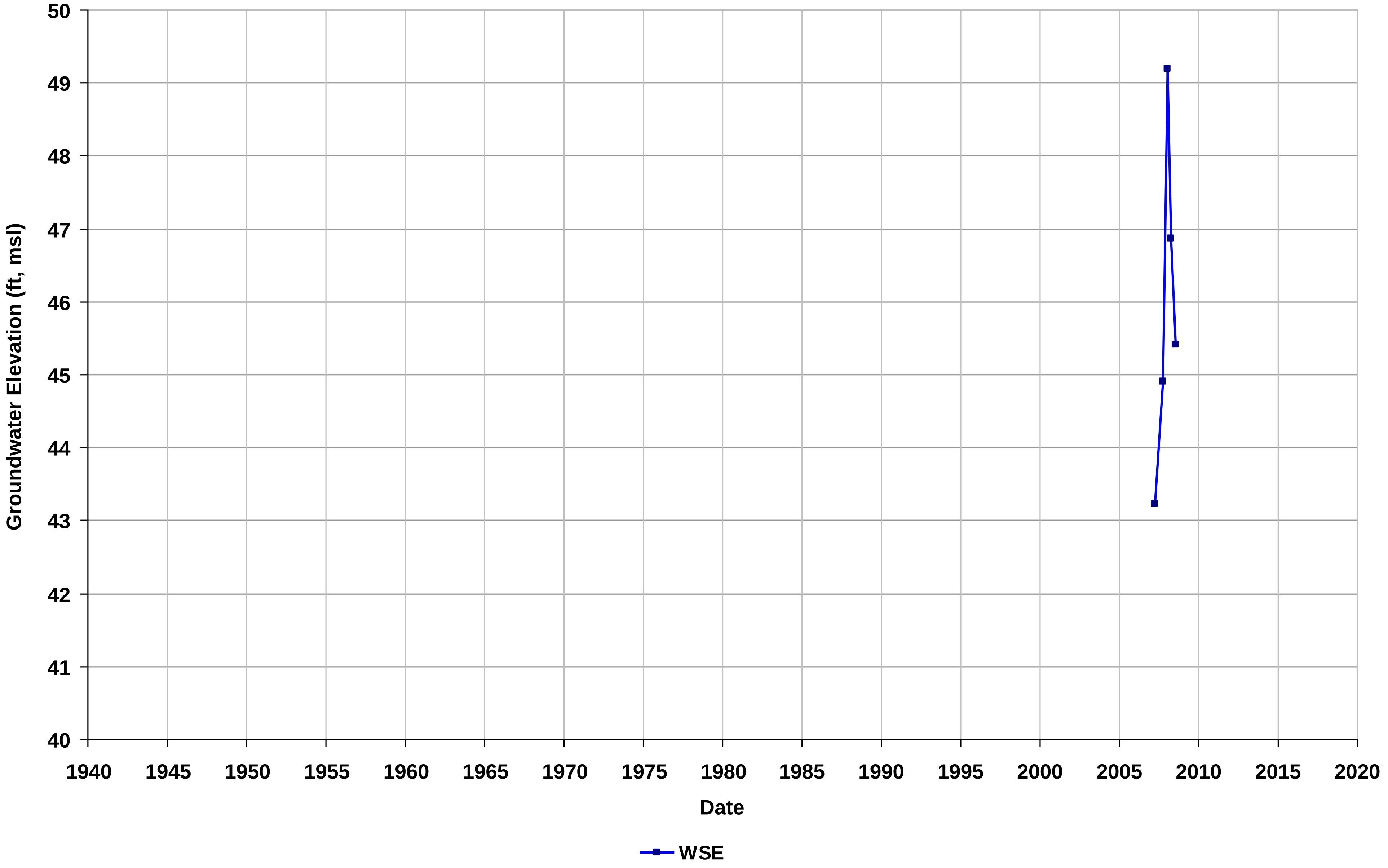
Well Name: T0600100249-E8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



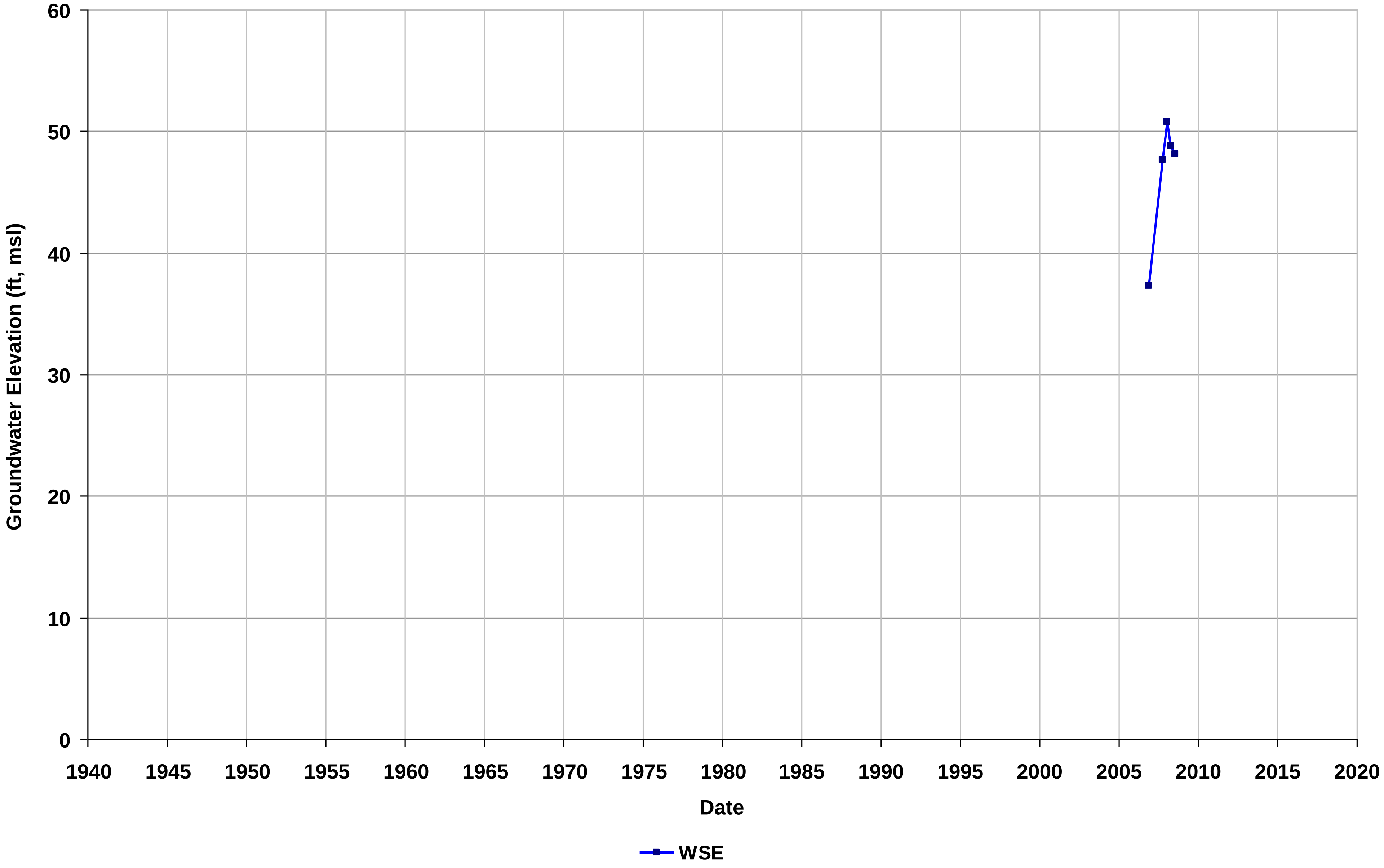
Well Name: T0600100249-E9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



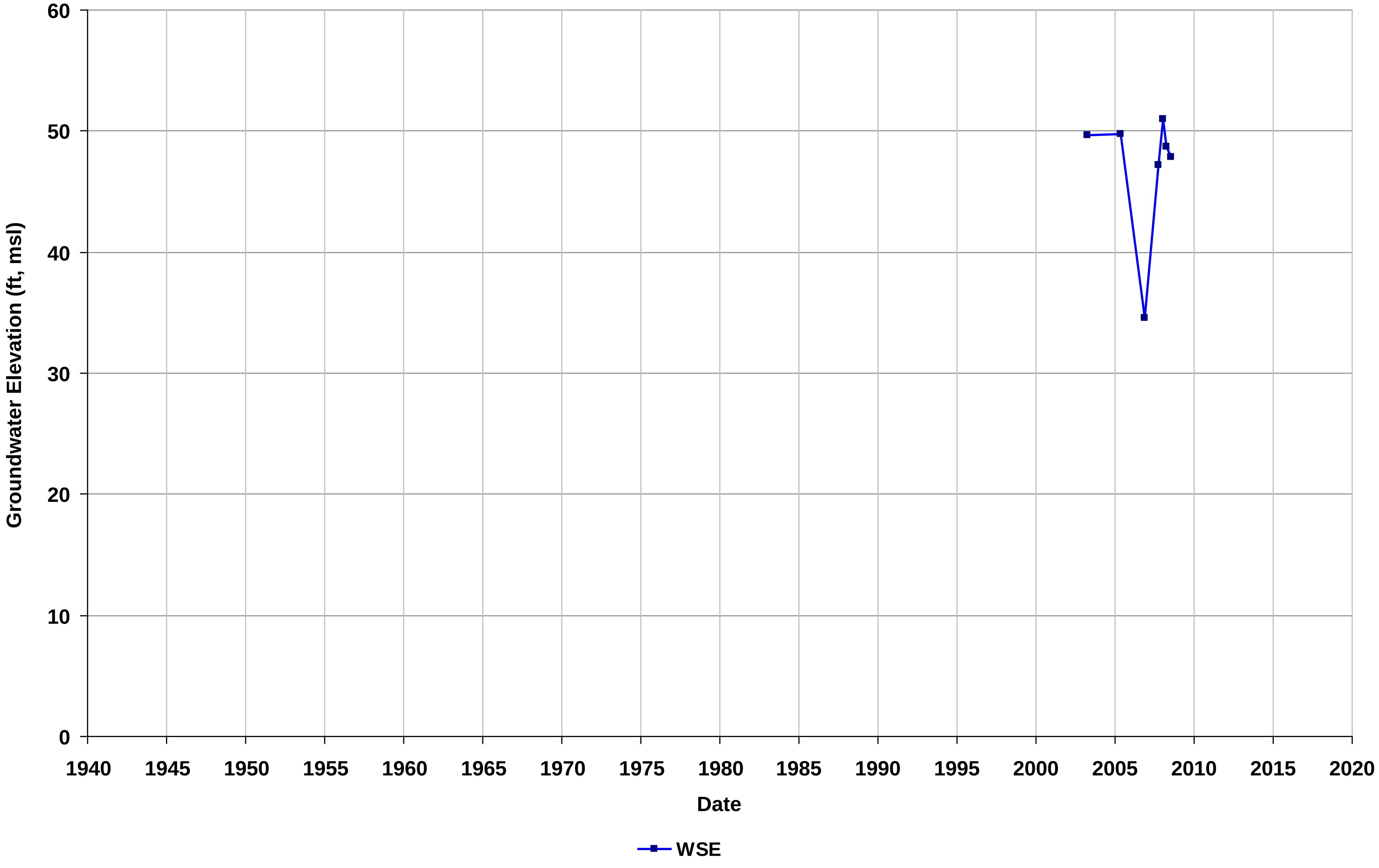
Well Name: T0600100249-I1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



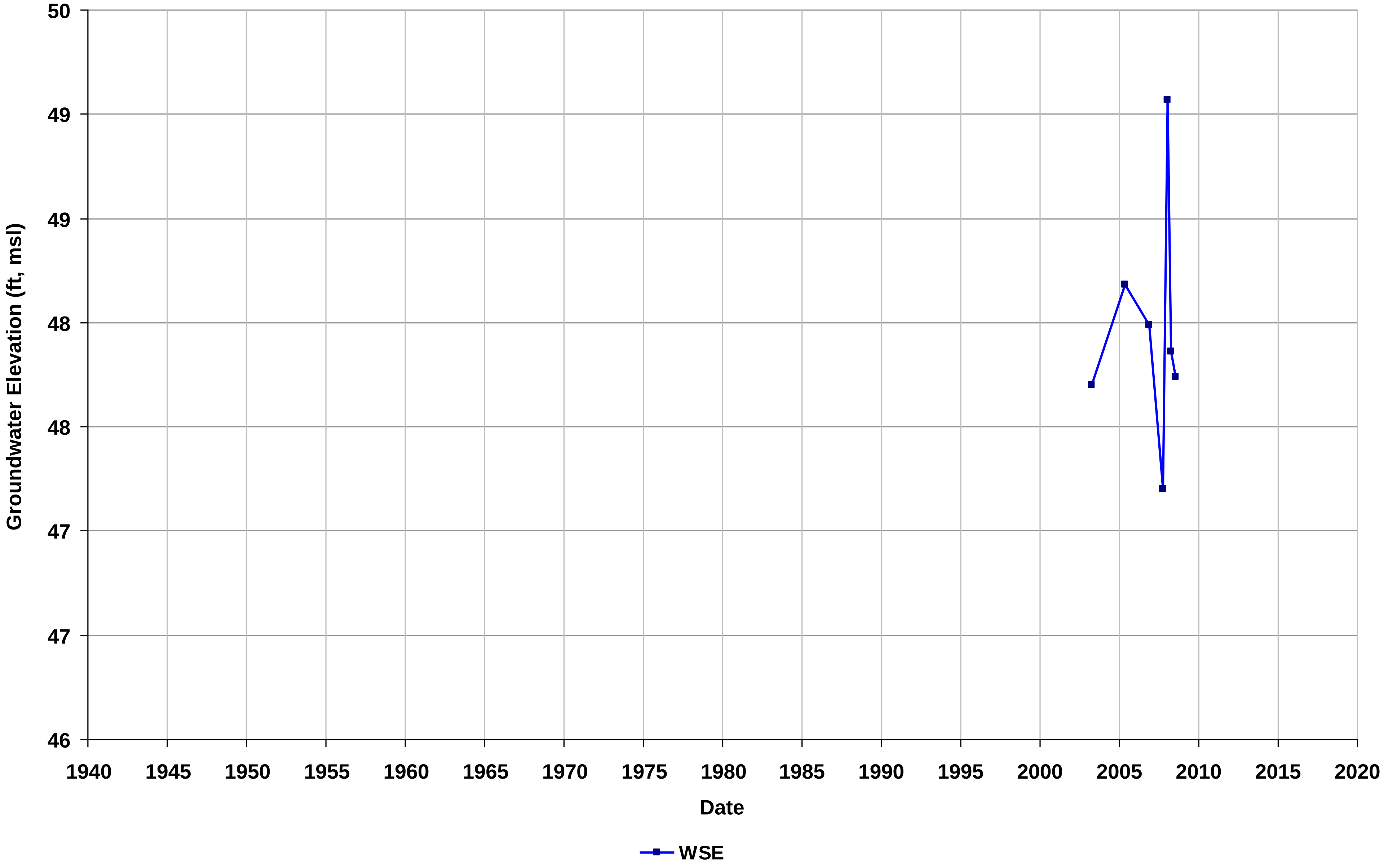
Well Name: T0600100249-MW1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



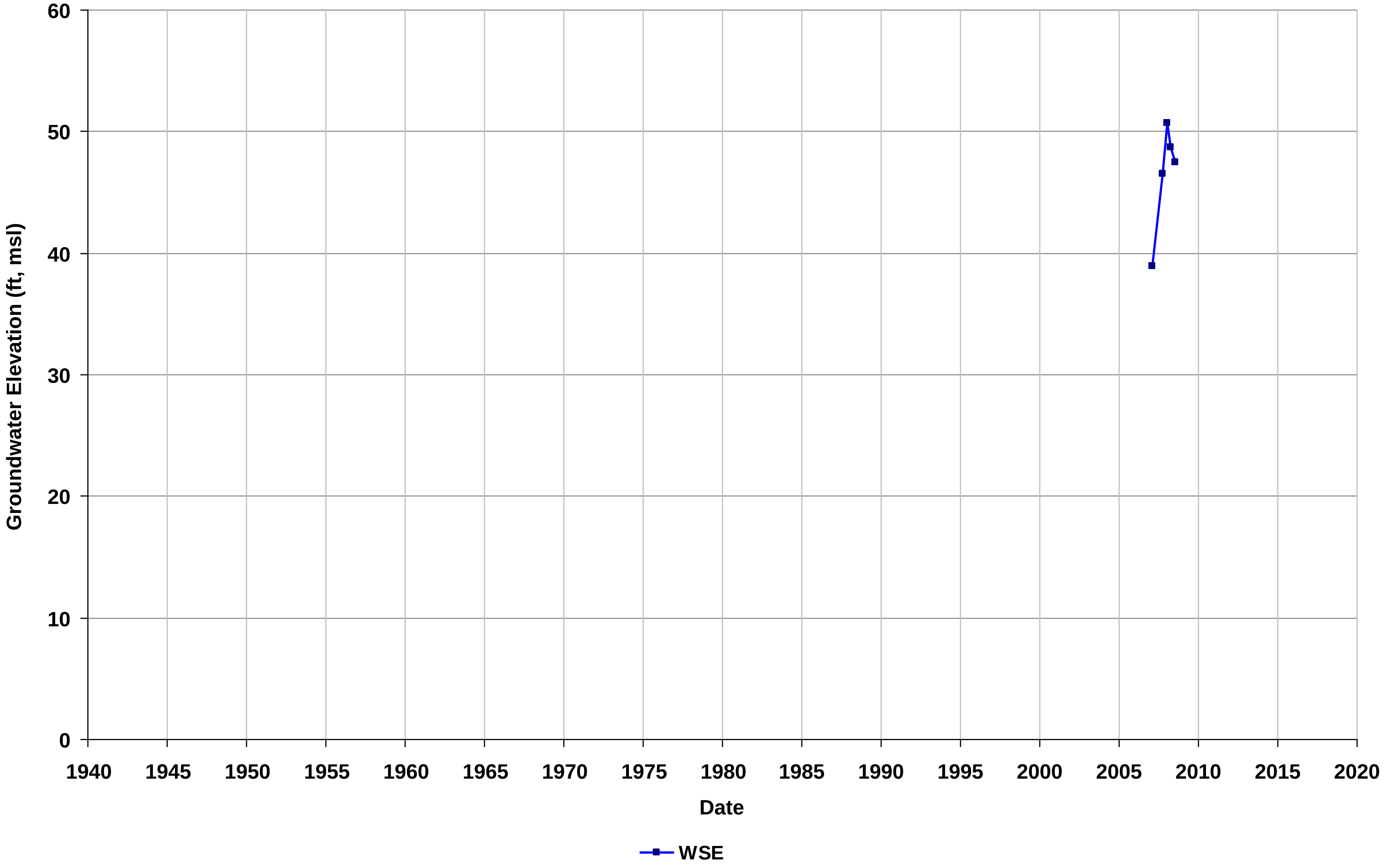
Well Name: T0600100249-MW2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



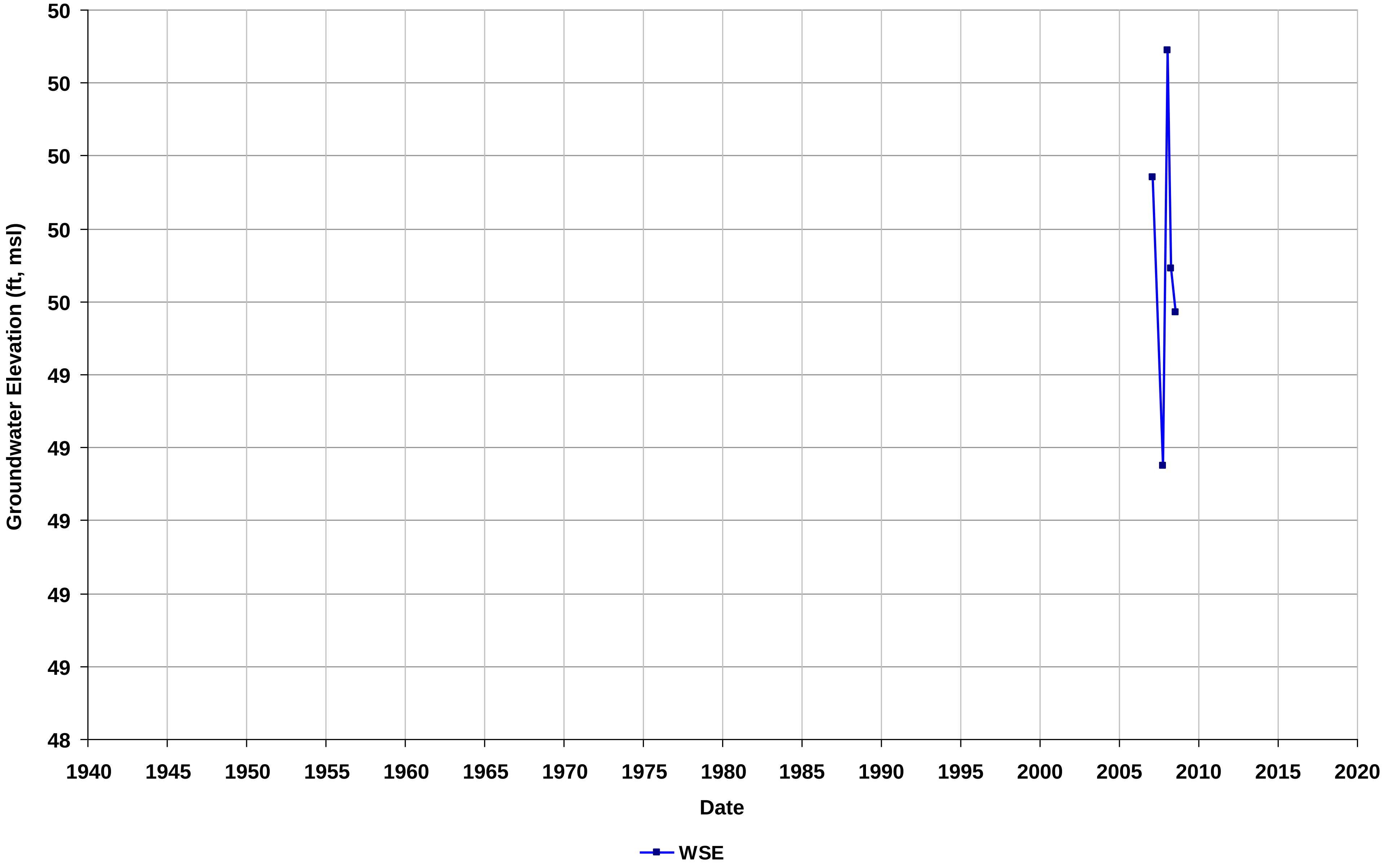
Well Name: T0600100249-MW4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



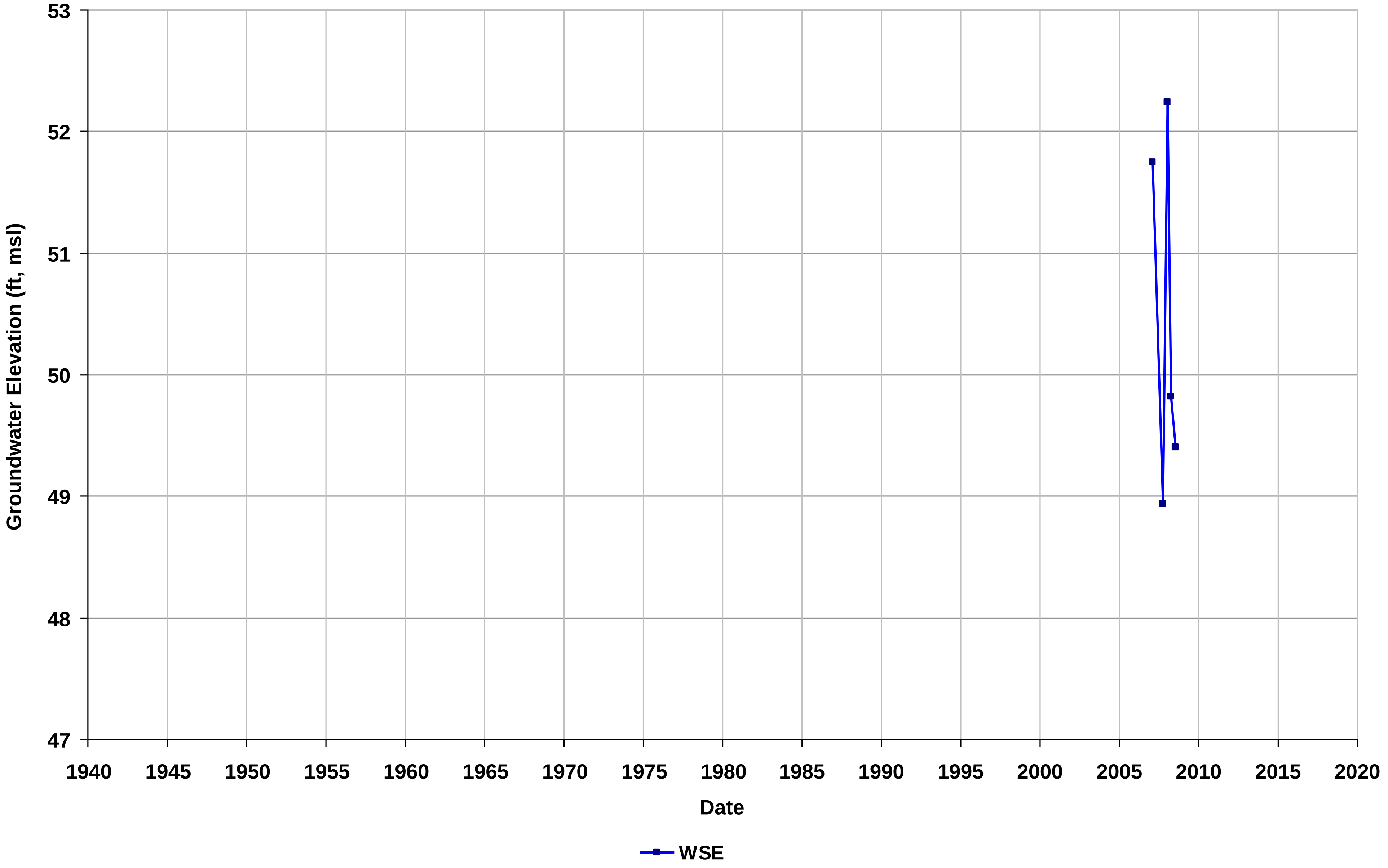
Well Name: T0600100249-MW5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



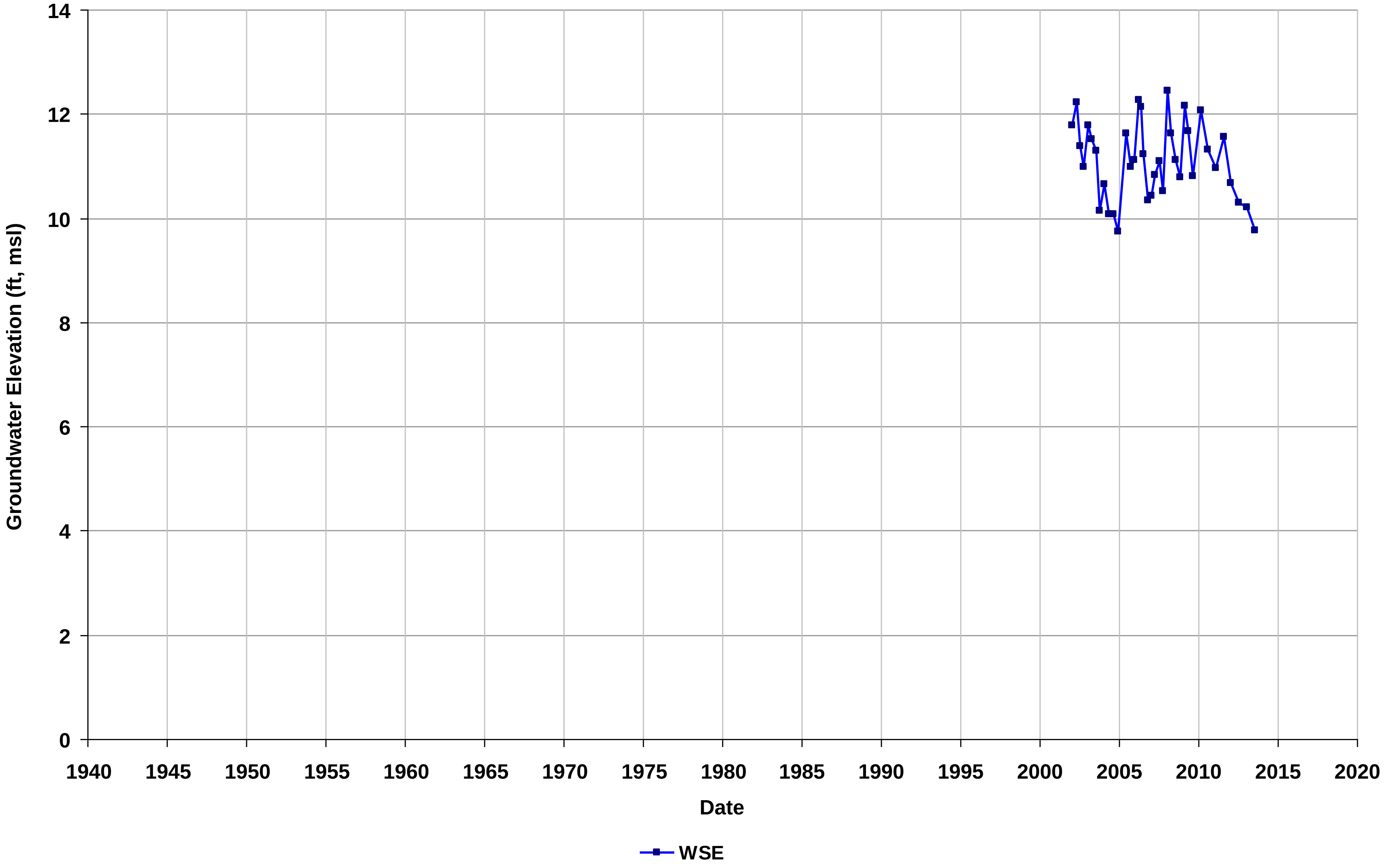
Well Name: T0600100249-MW6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



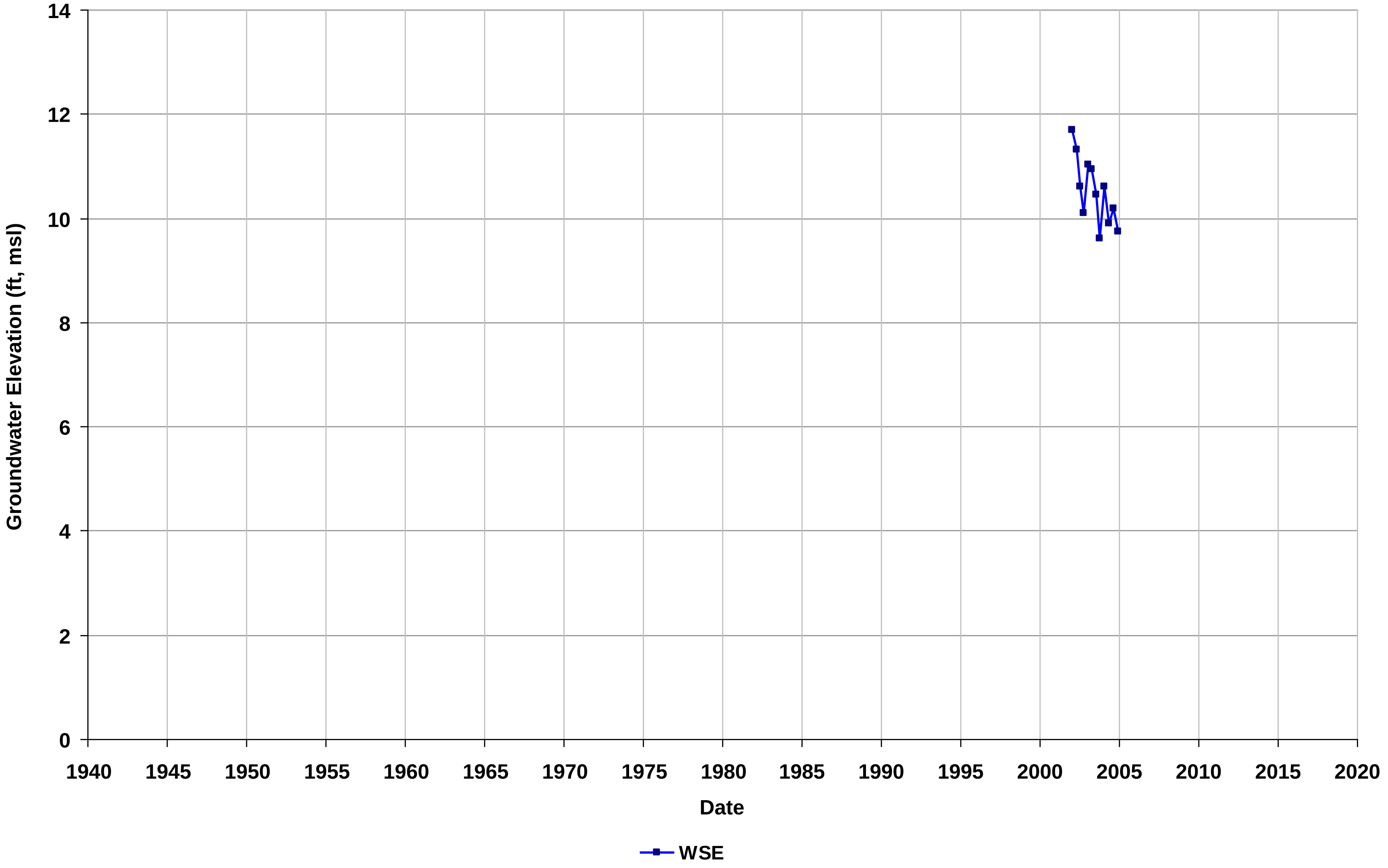
Well Name: T0600100254-MW-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



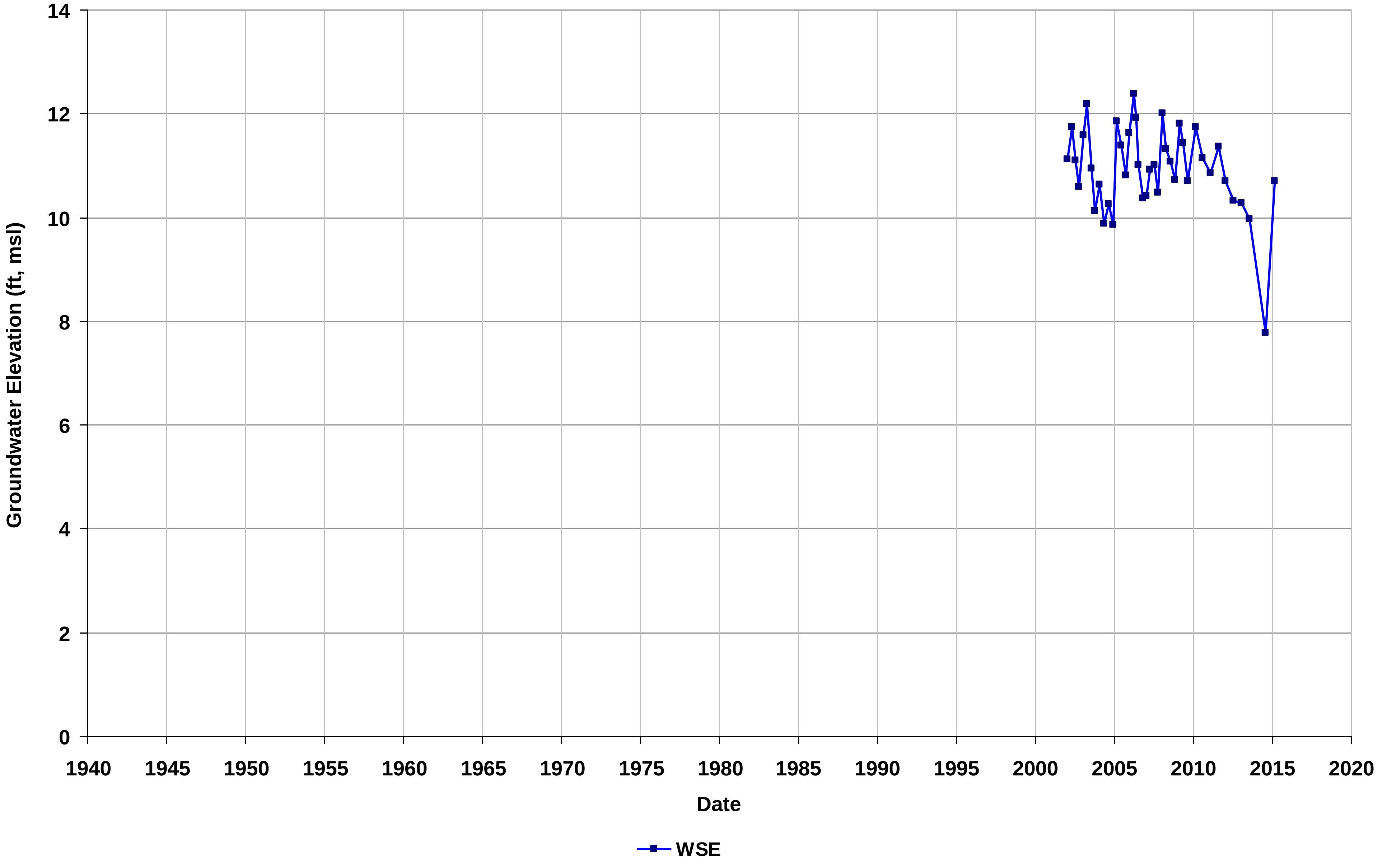
Well Name: T0600100254-MW-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



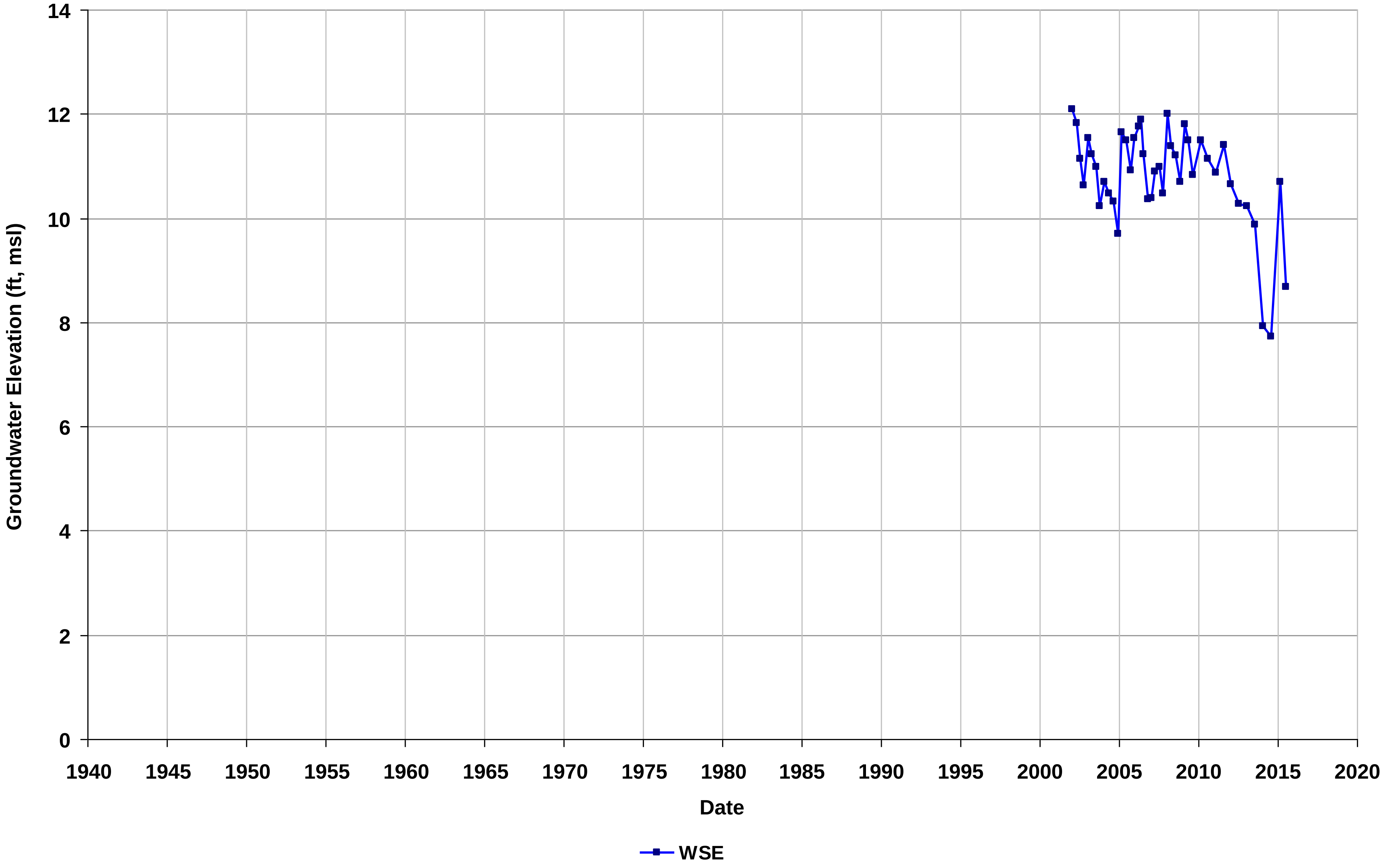
Well Name: T0600100254-MW-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



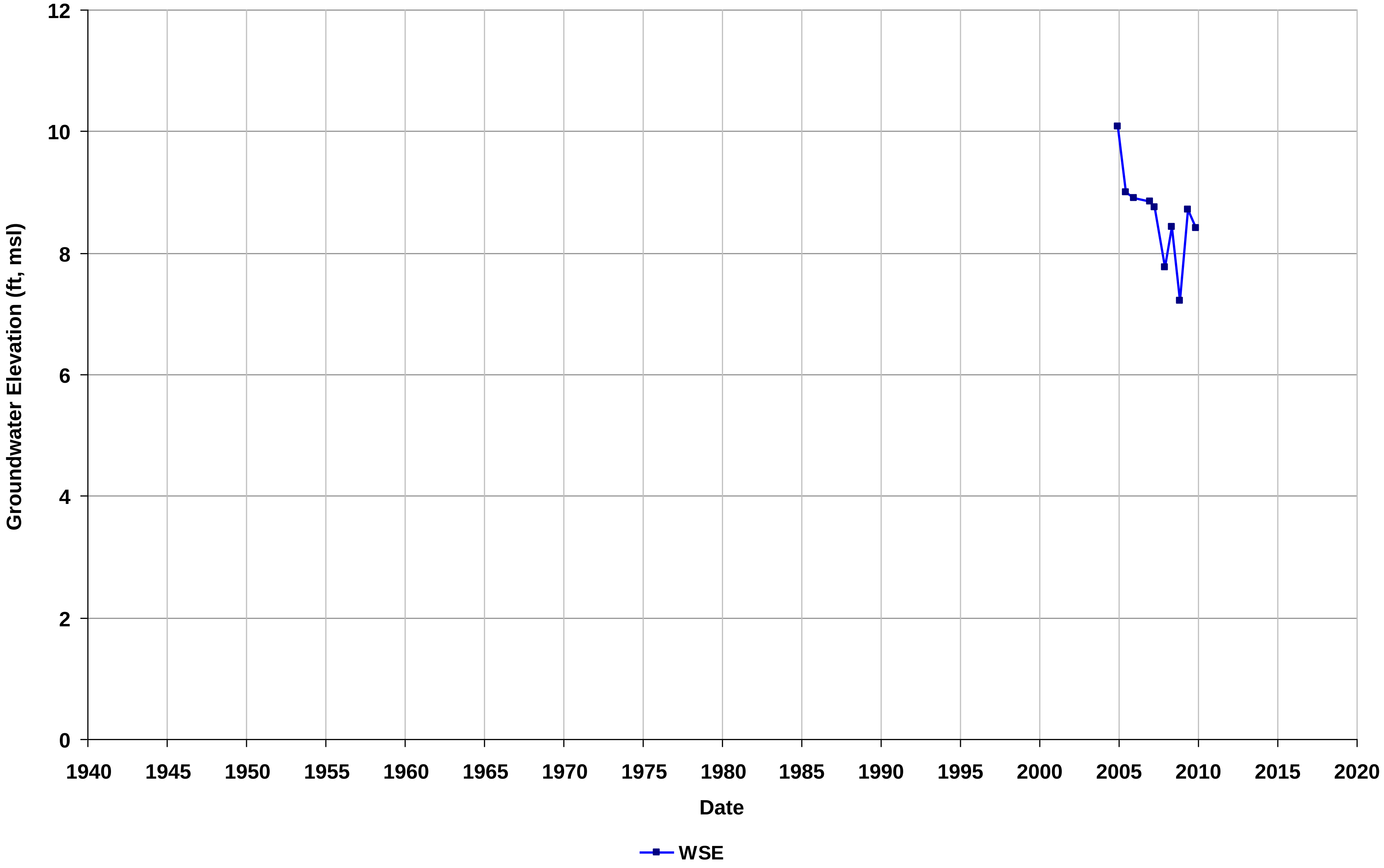
Well Name: T0600100254-MW-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



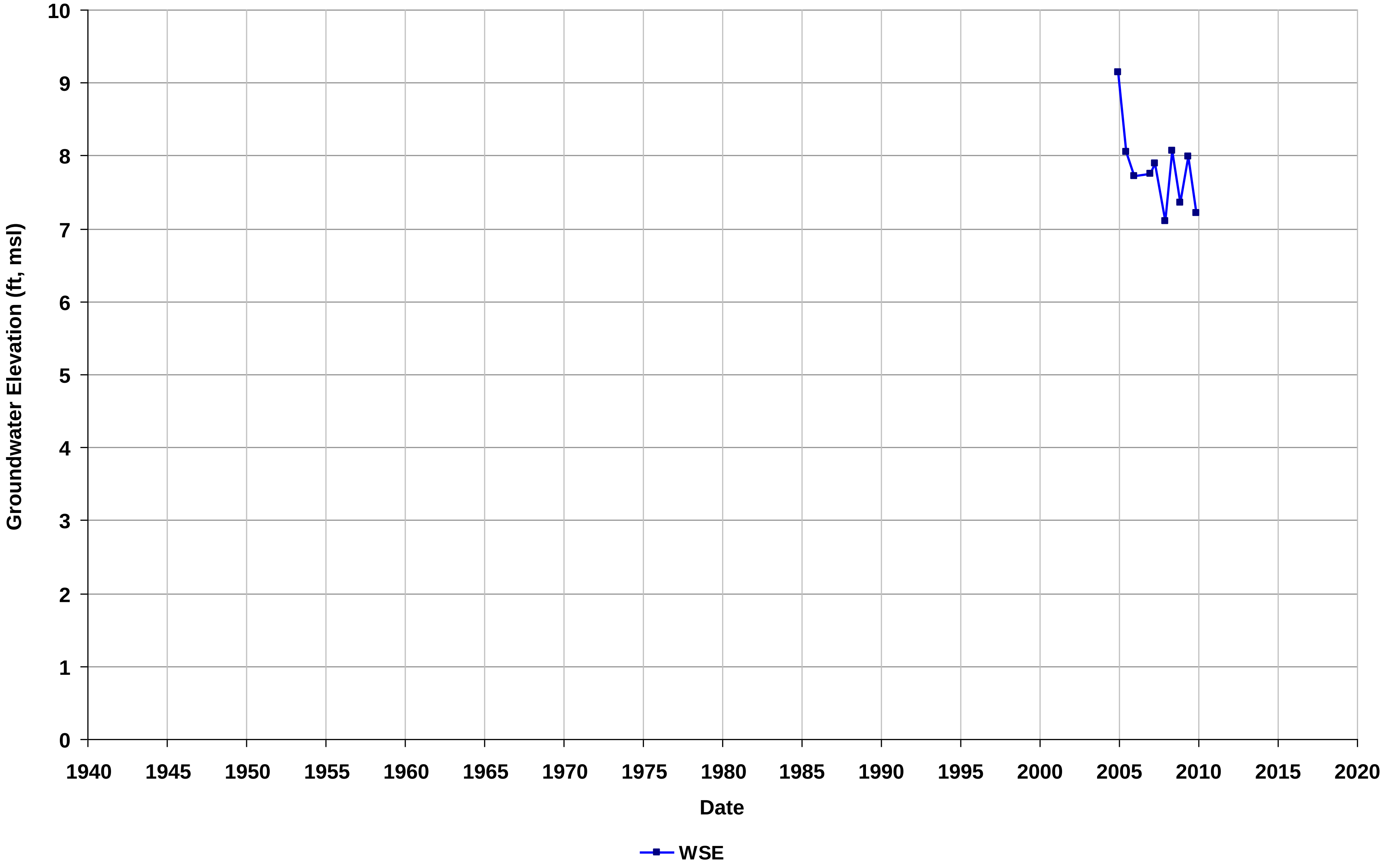
Well Name: T0600100258-OW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/17
Well Use: Observation



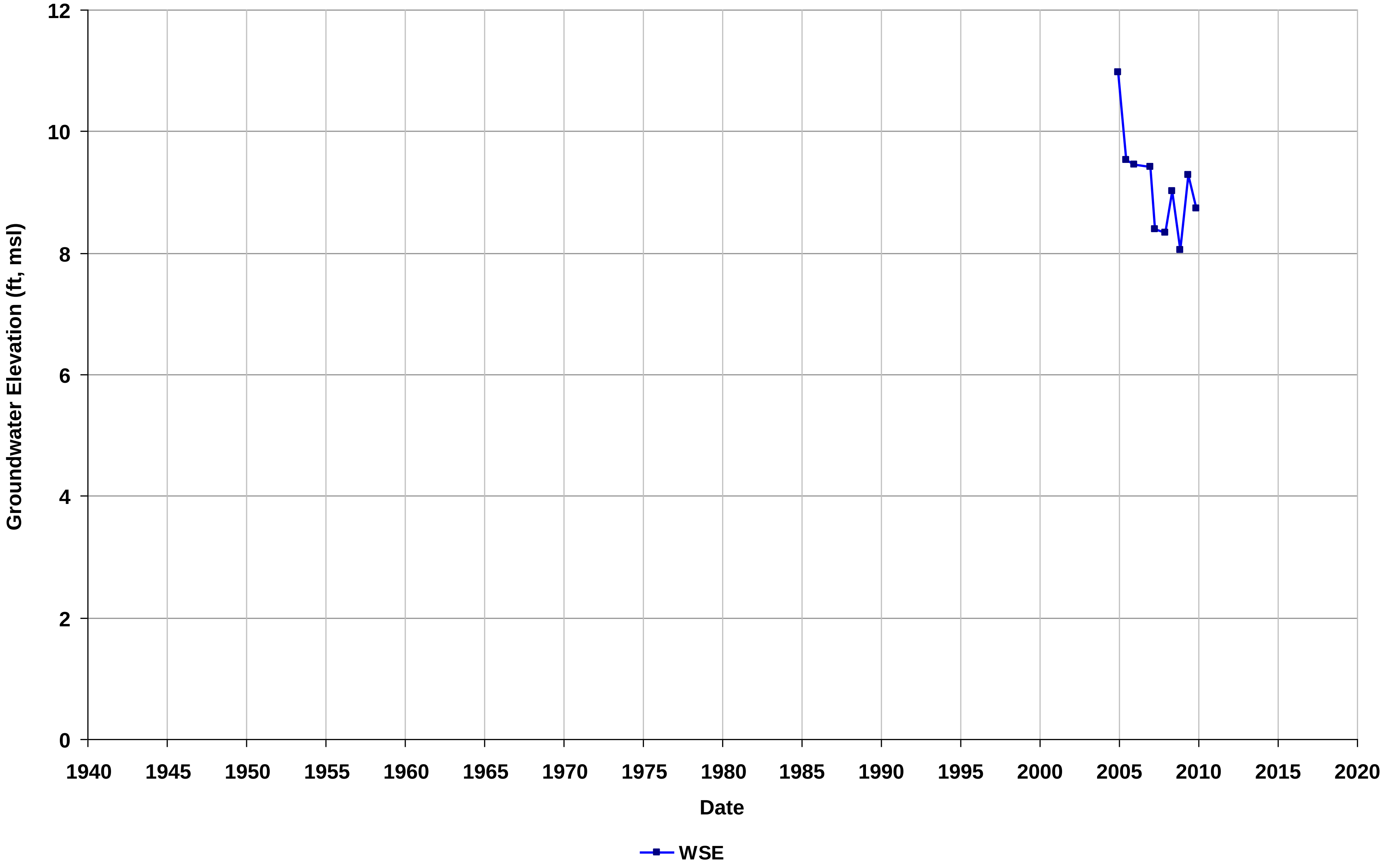
Well Name: T0600100258-OW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/17
Well Use: Observation



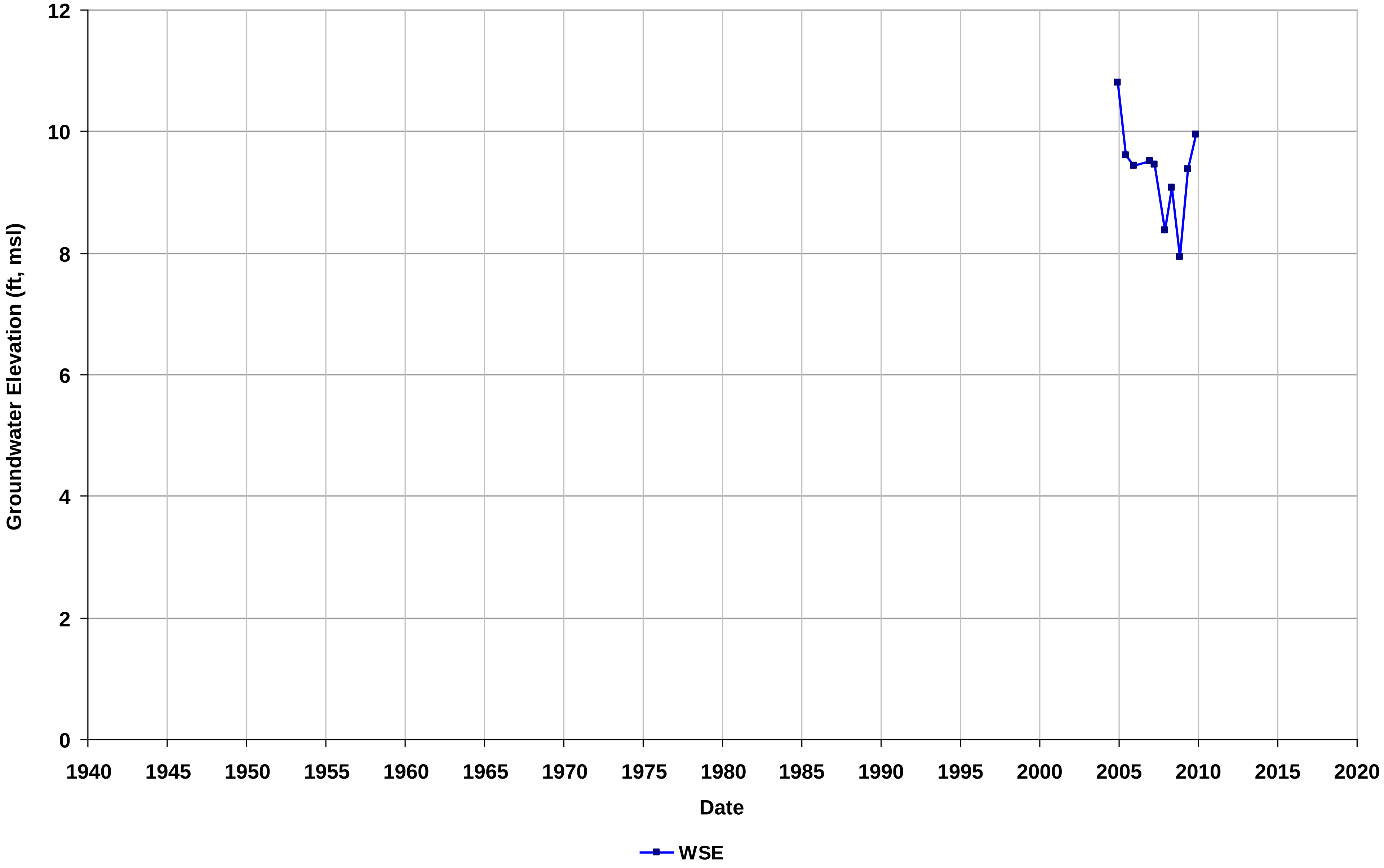
Well Name: T0600100258-OW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/17
Well Use: Observation



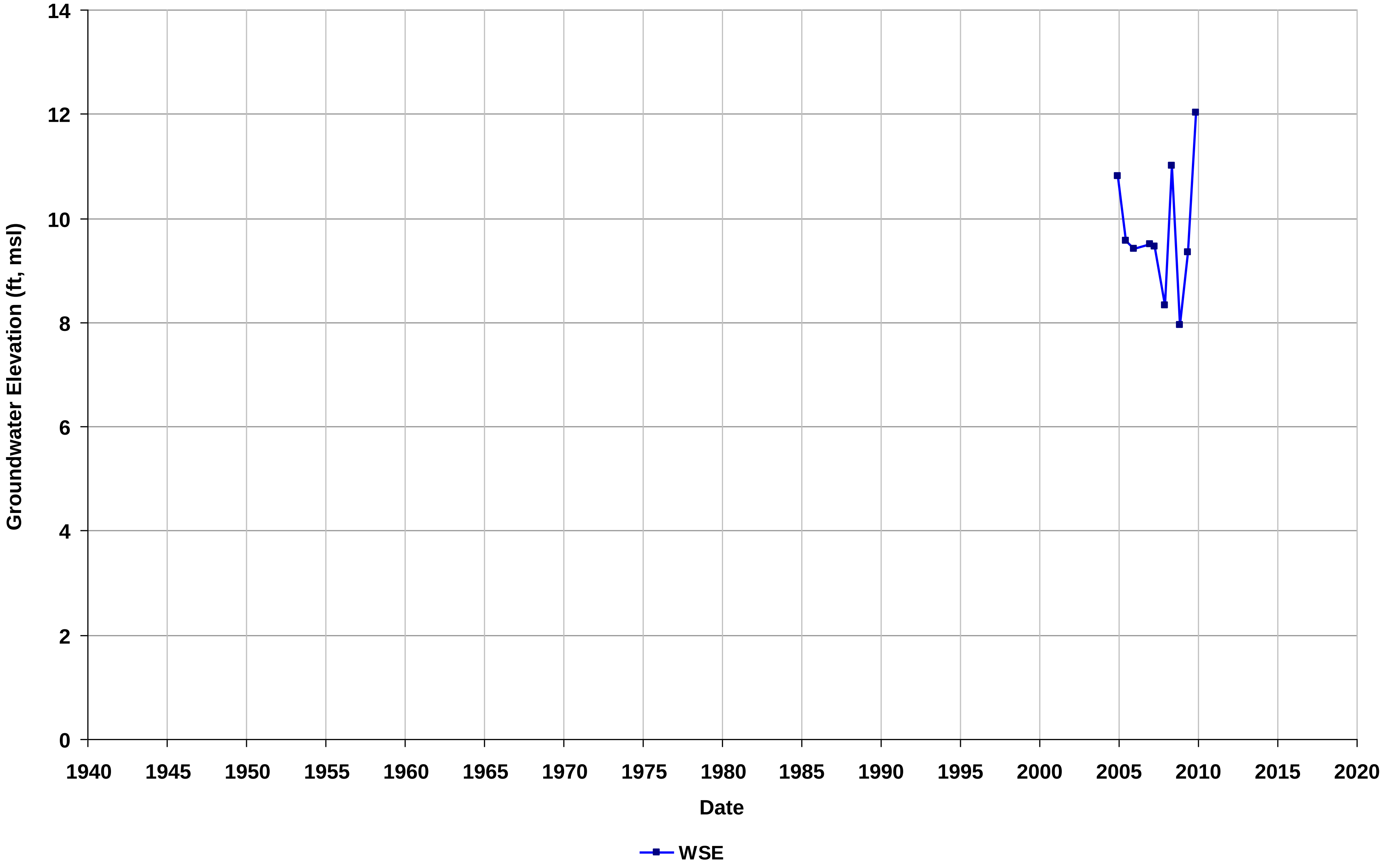
Well Name: T0600100258-OW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/17
Well Use: Observation



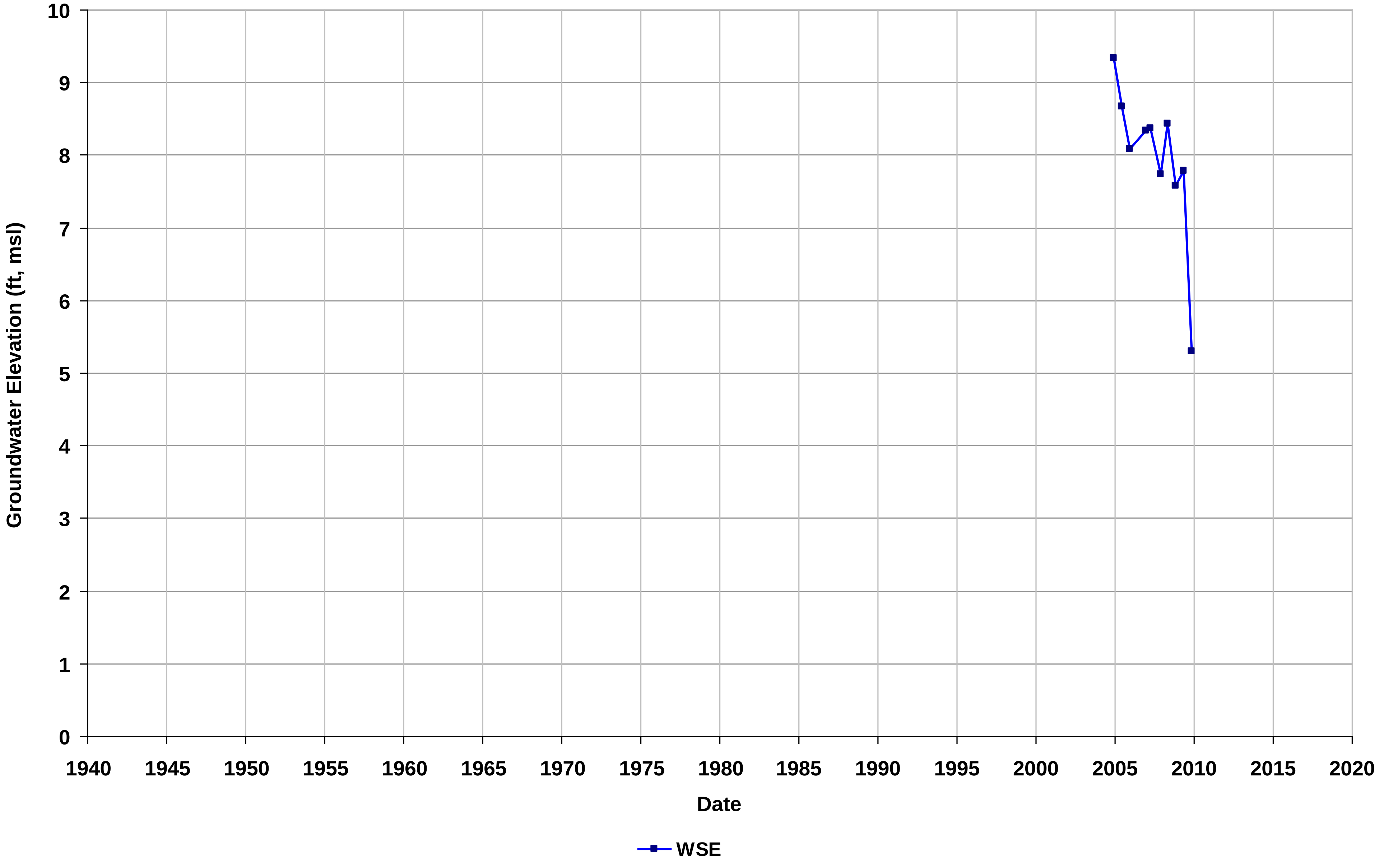
Well Name: T0600100258-OW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/17
Well Use: Observation



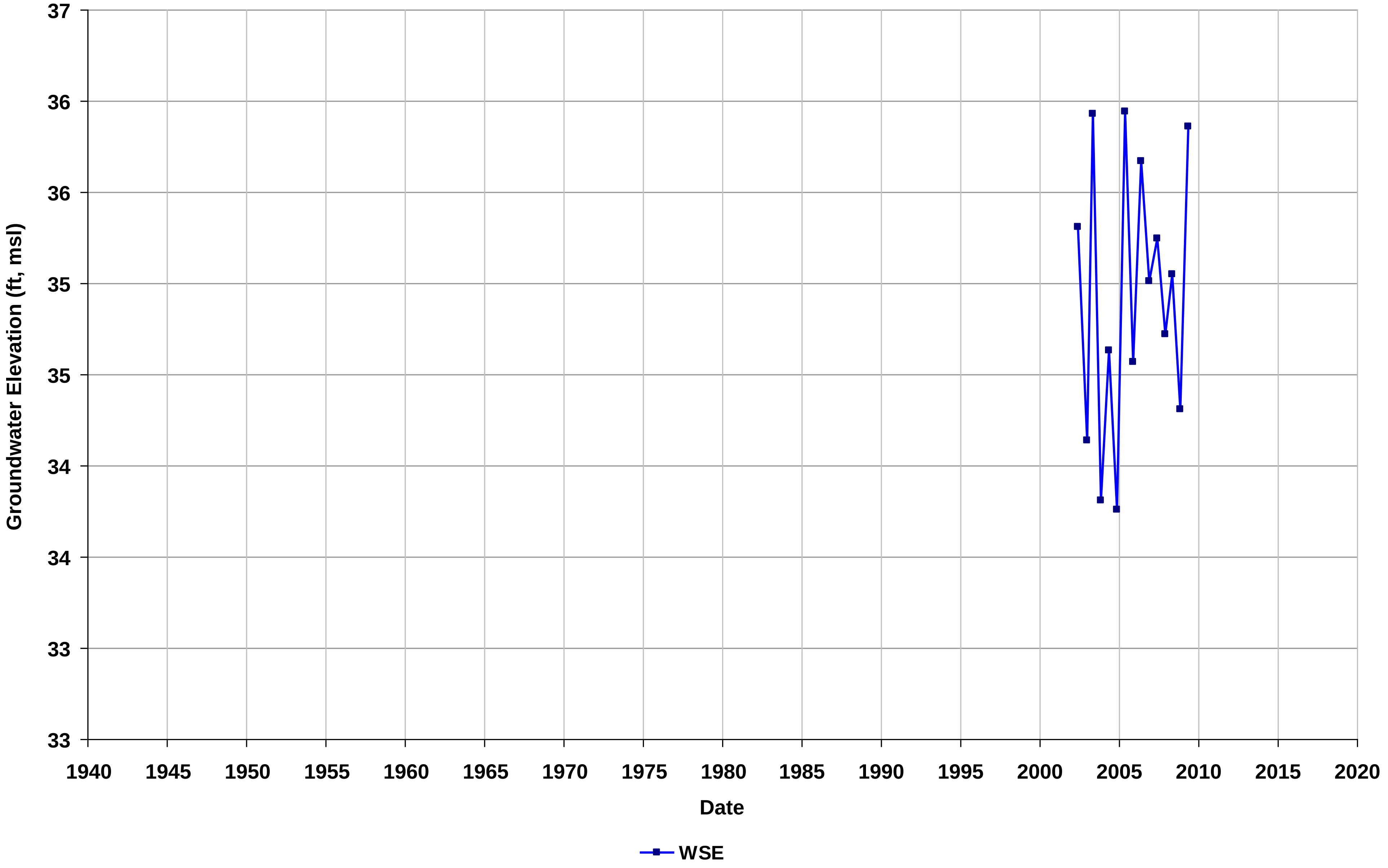
Well Name: T0600100258-OW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/17
Well Use: Observation



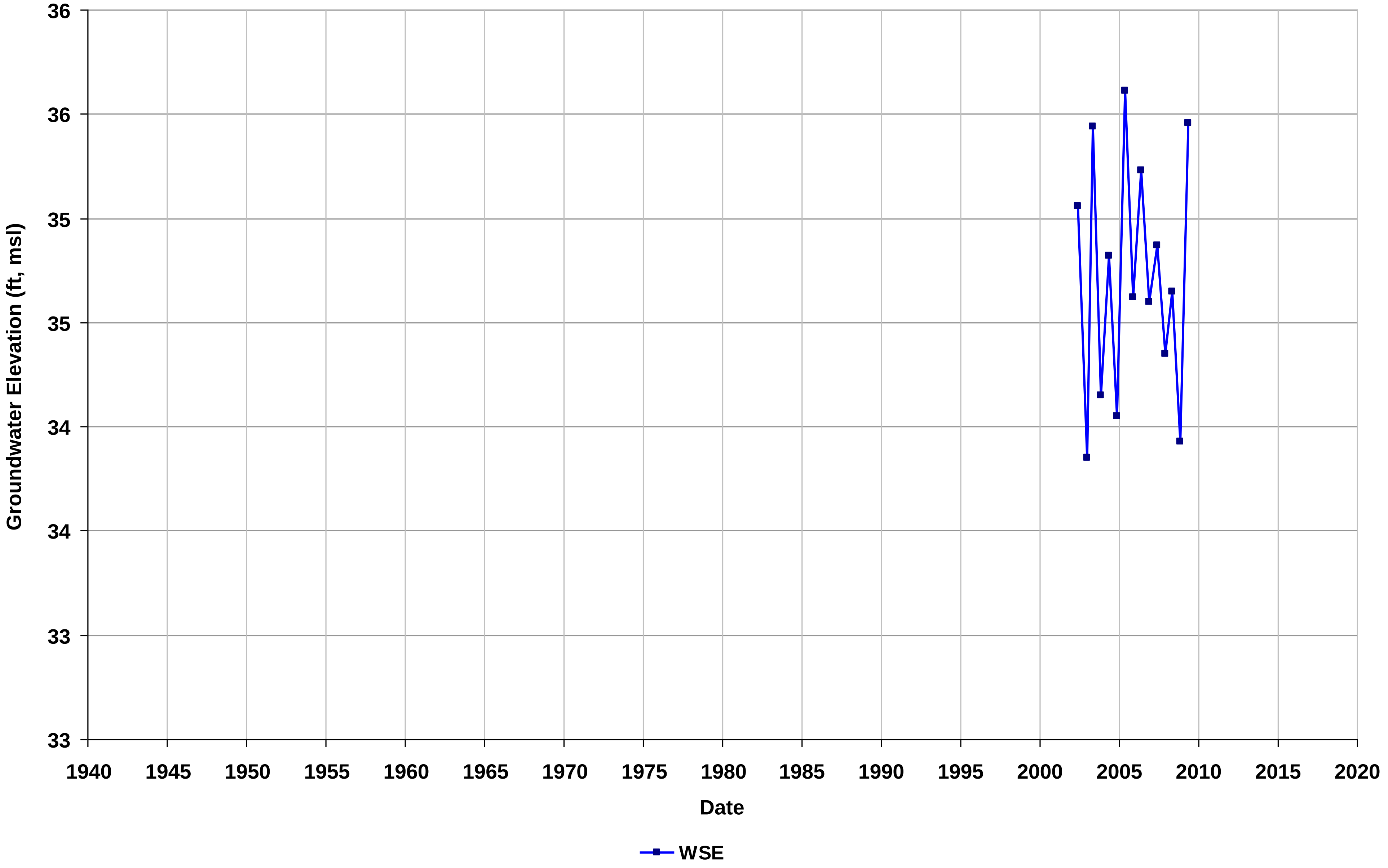
Well Name: T0600100292-C-12
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/03
Well Use: Observation



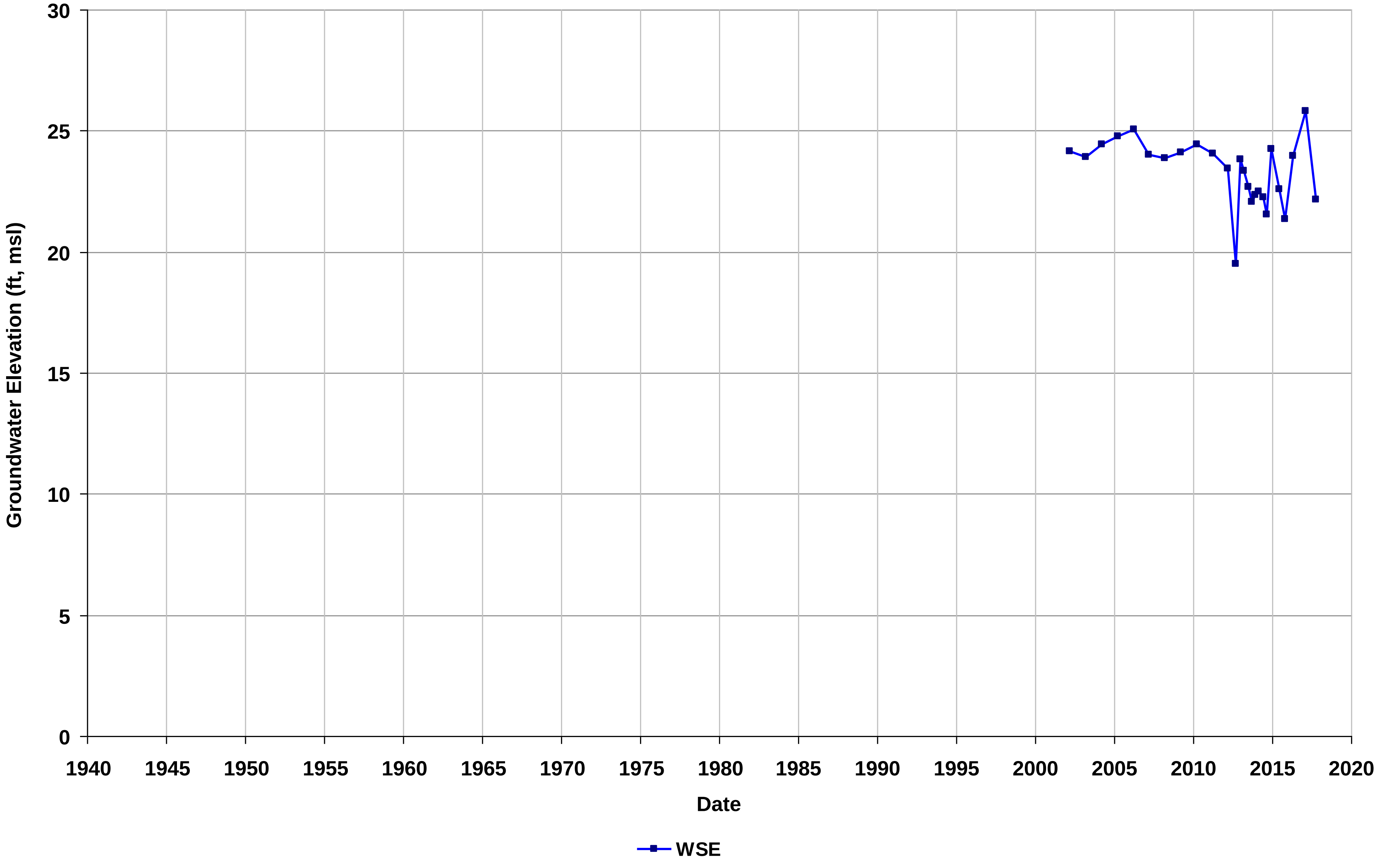
Well Name: T0600100292-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/04
Well Use: Observation



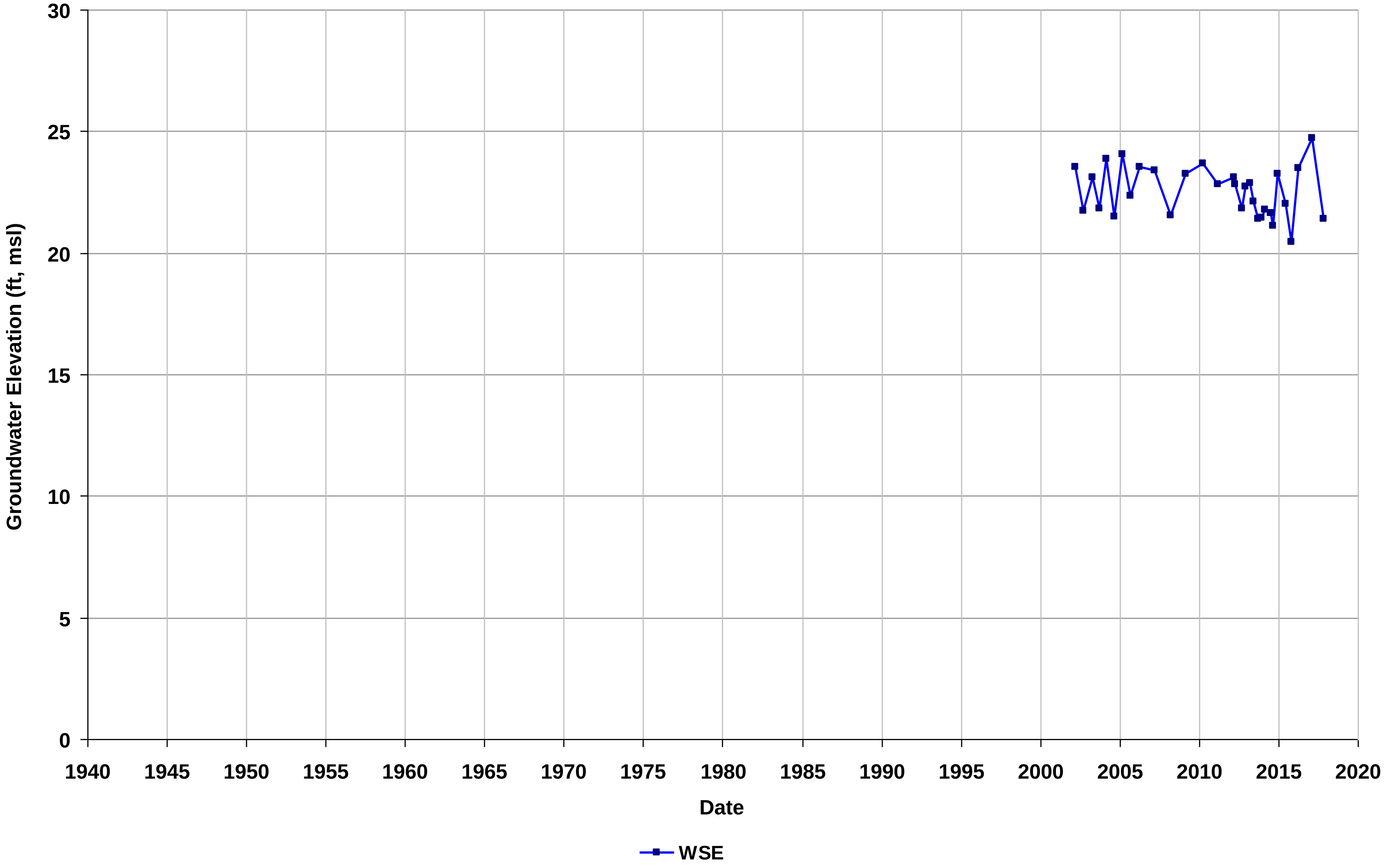
Well Name: T0600100302-C-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/18
Well Use: Observation



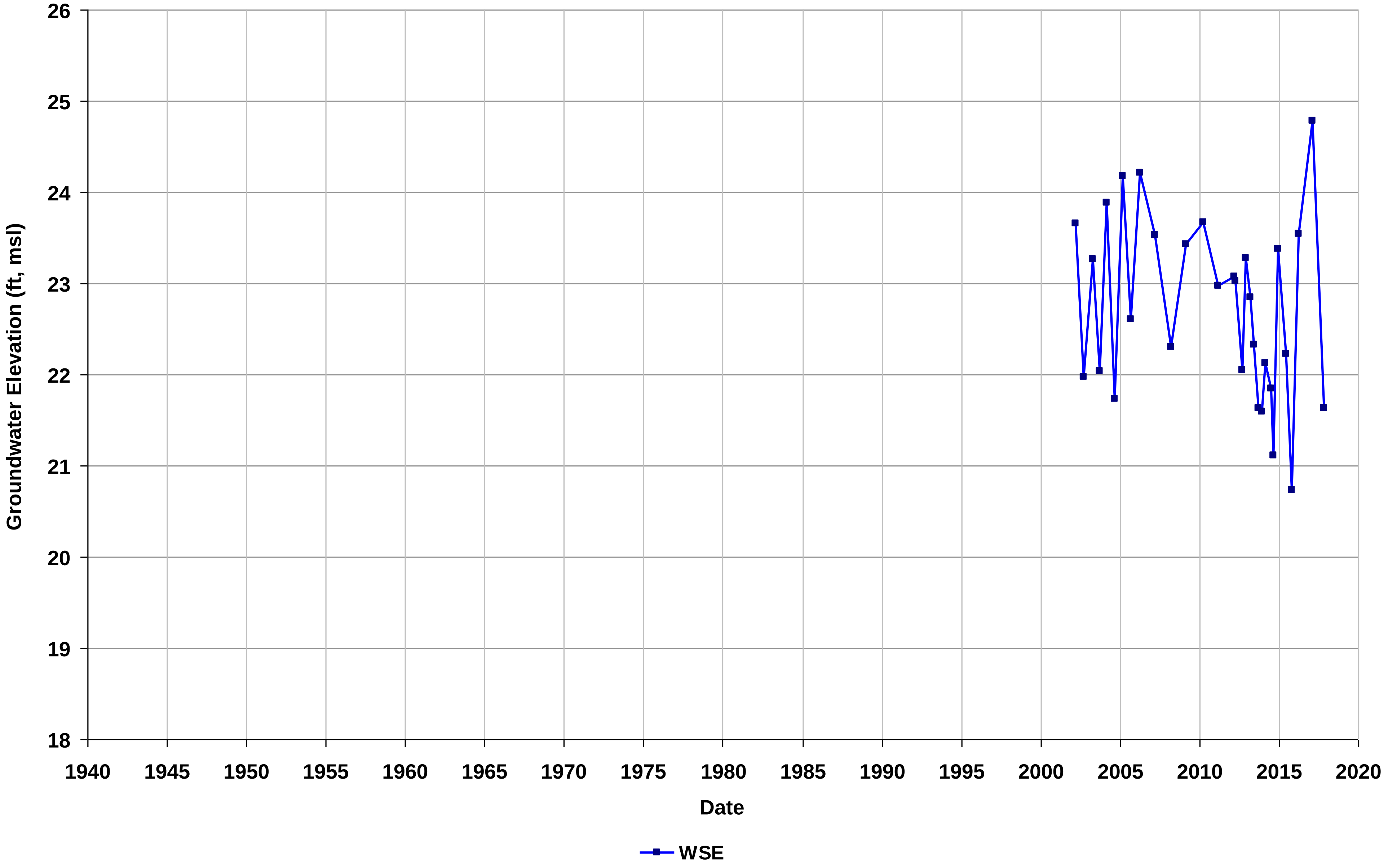
Well Name: T0600100302-C-10
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/18
Well Use: Observation



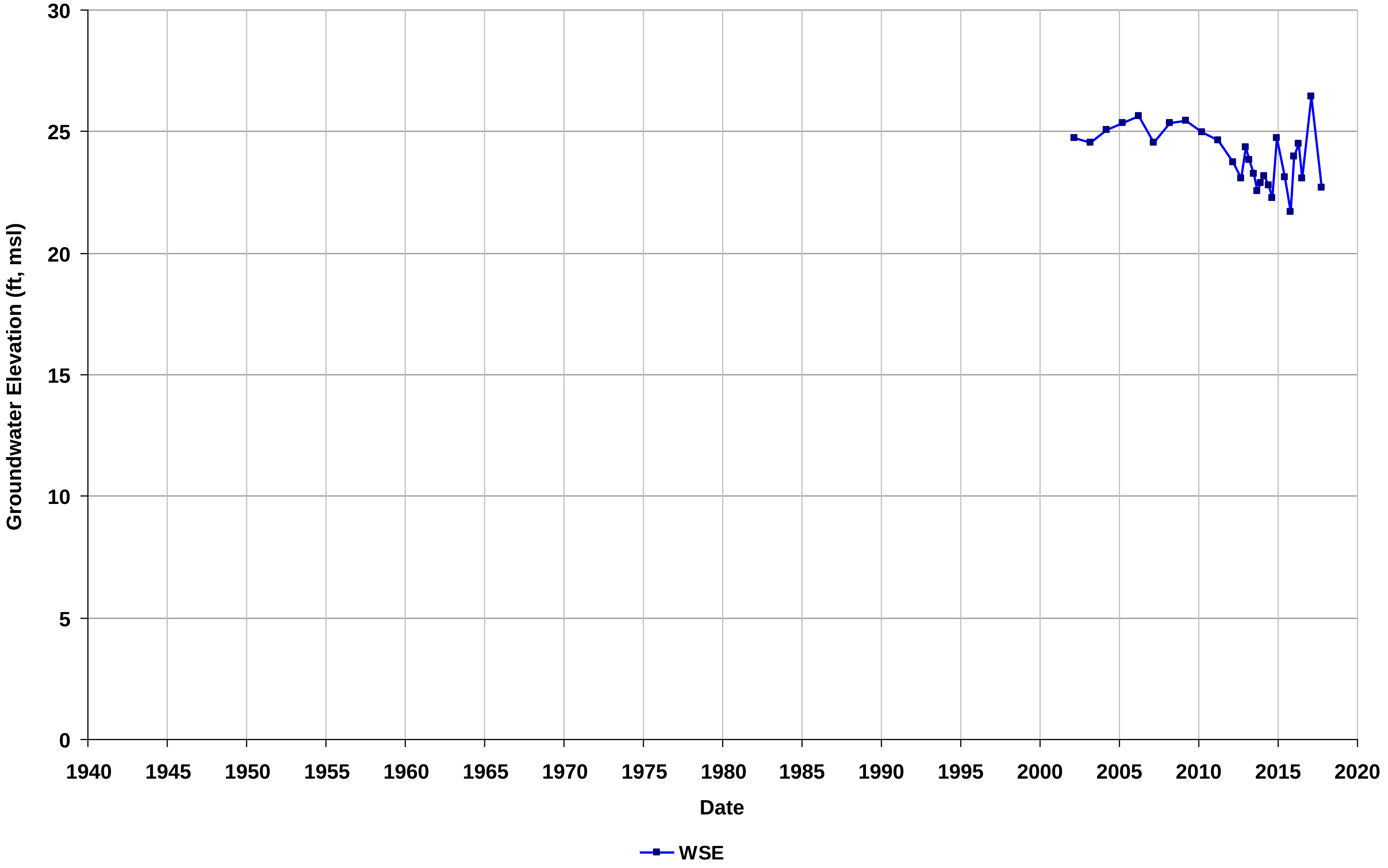
Well Name: T0600100302-C-11
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/18
Well Use: Observation



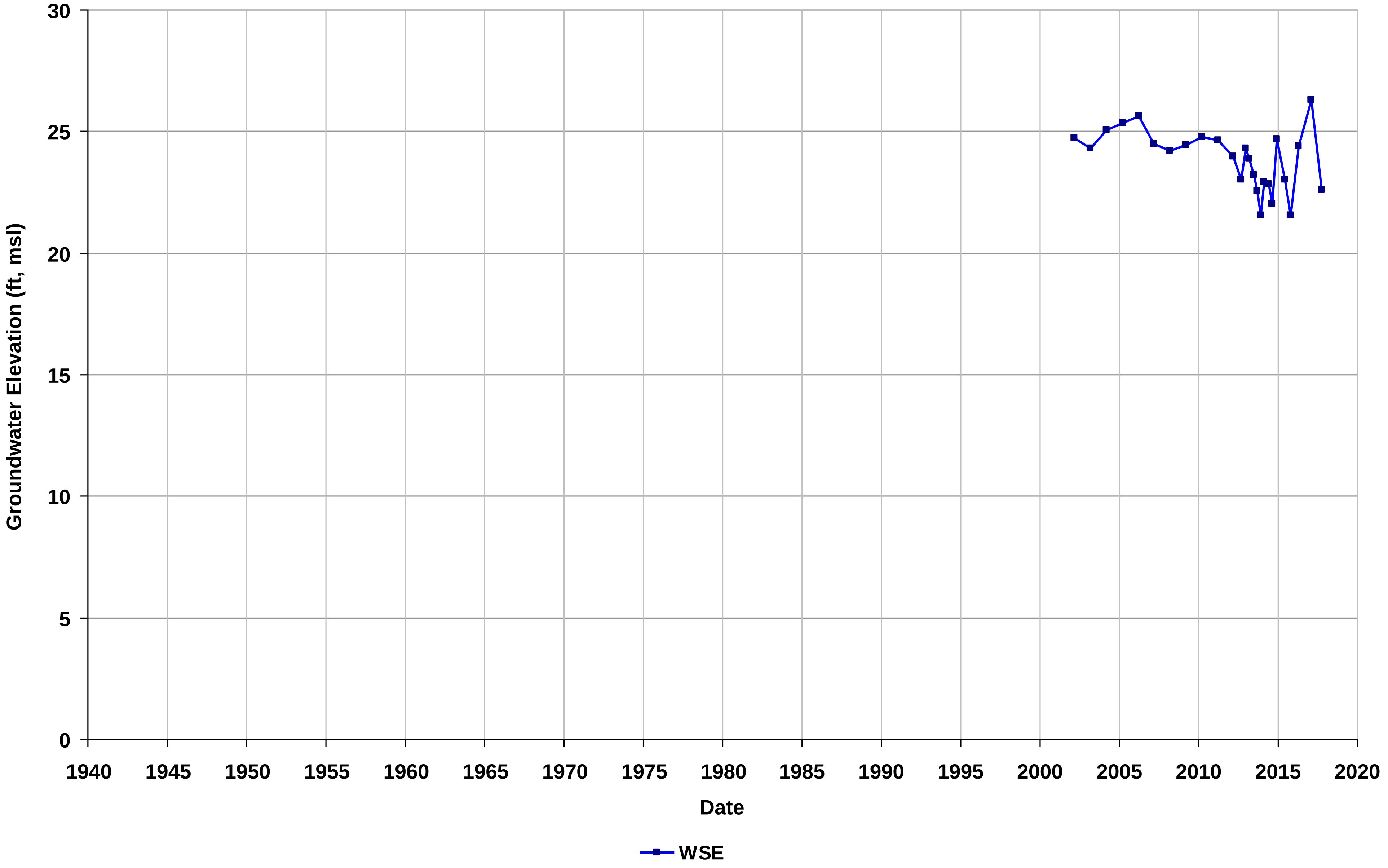
Well Name: T0600100302-C-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/07
Well Use: Observation



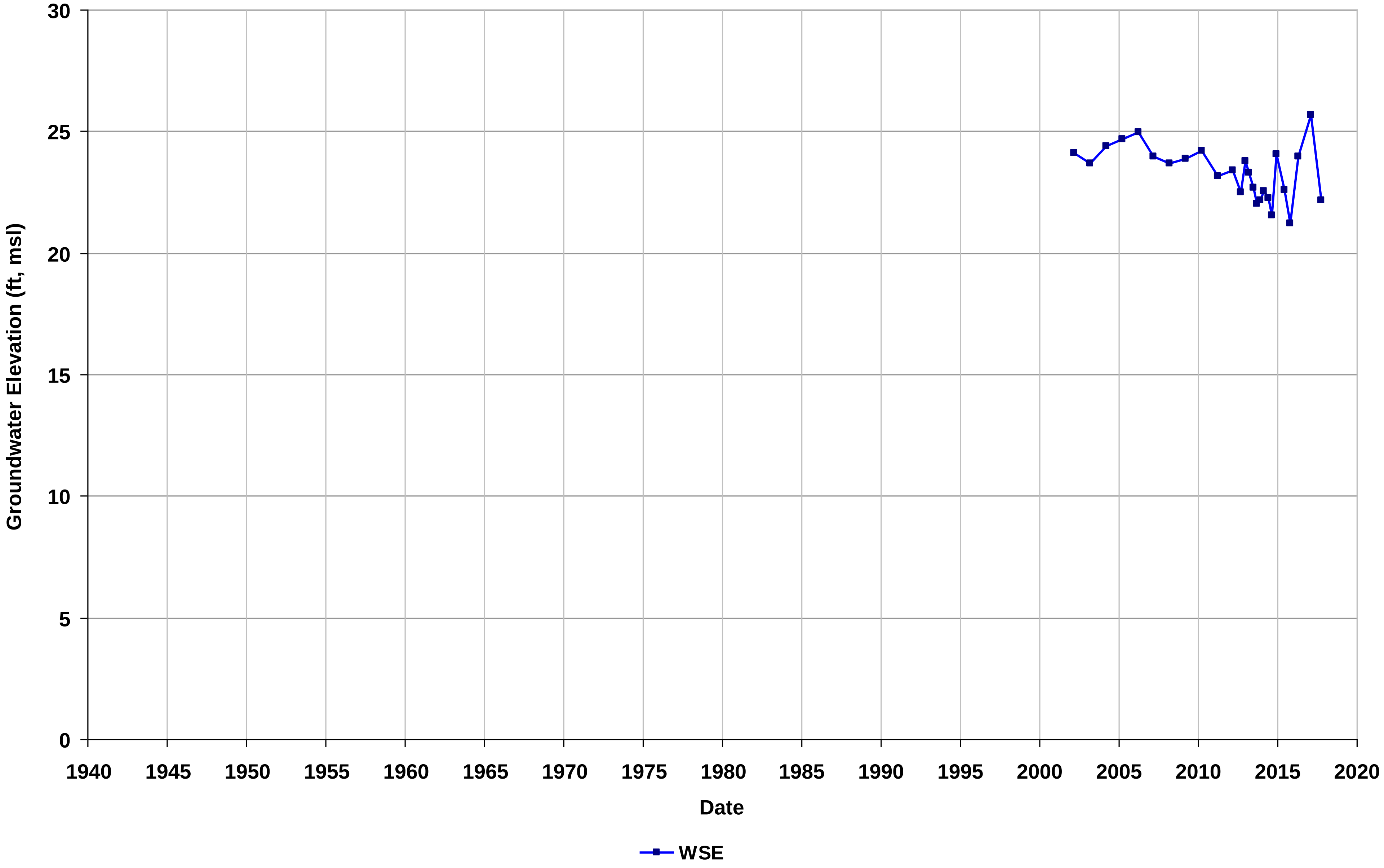
Well Name: T0600100302-C-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/07
Well Use: Observation



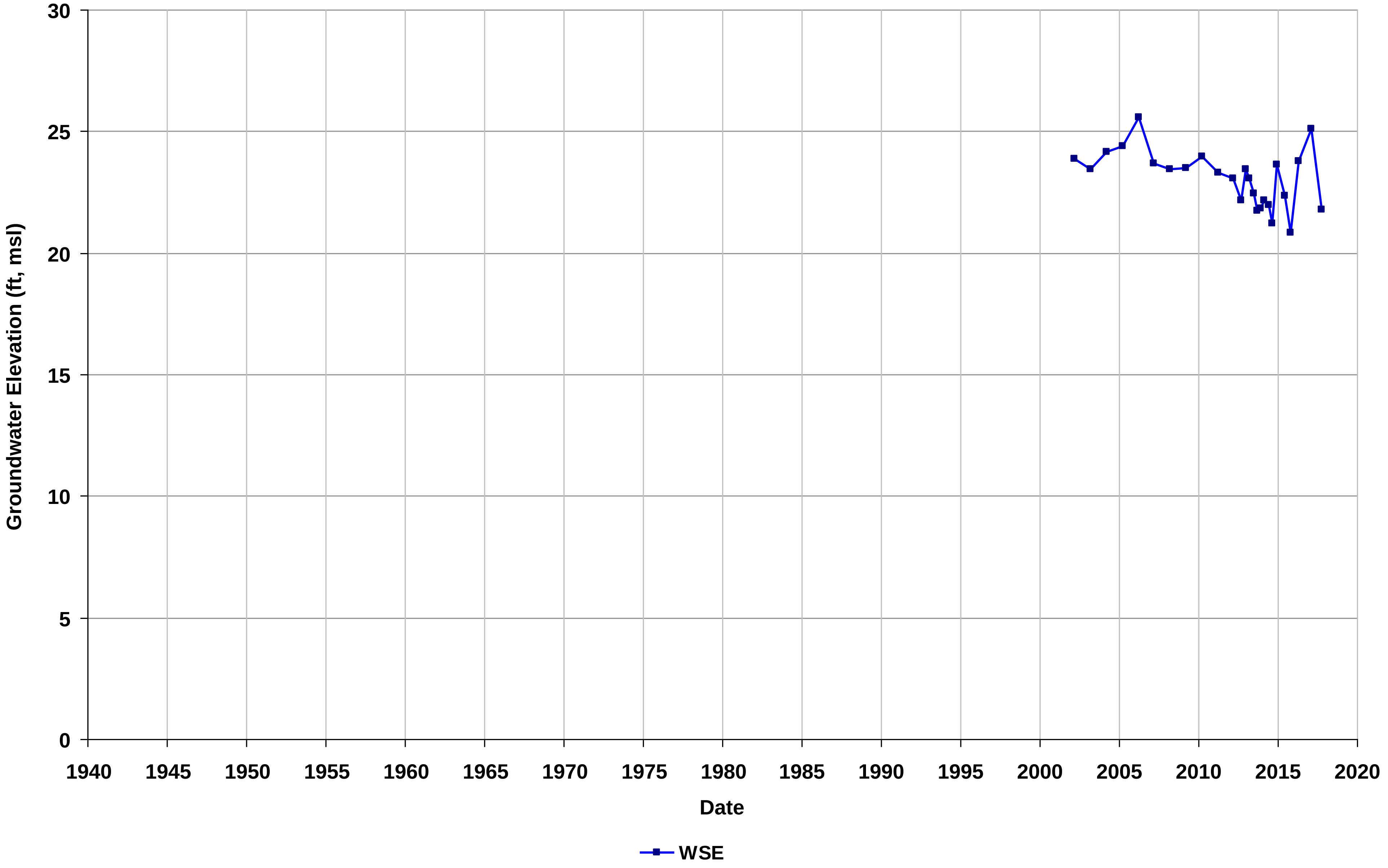
Well Name: T0600100302-C-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/18
Well Use: Observation



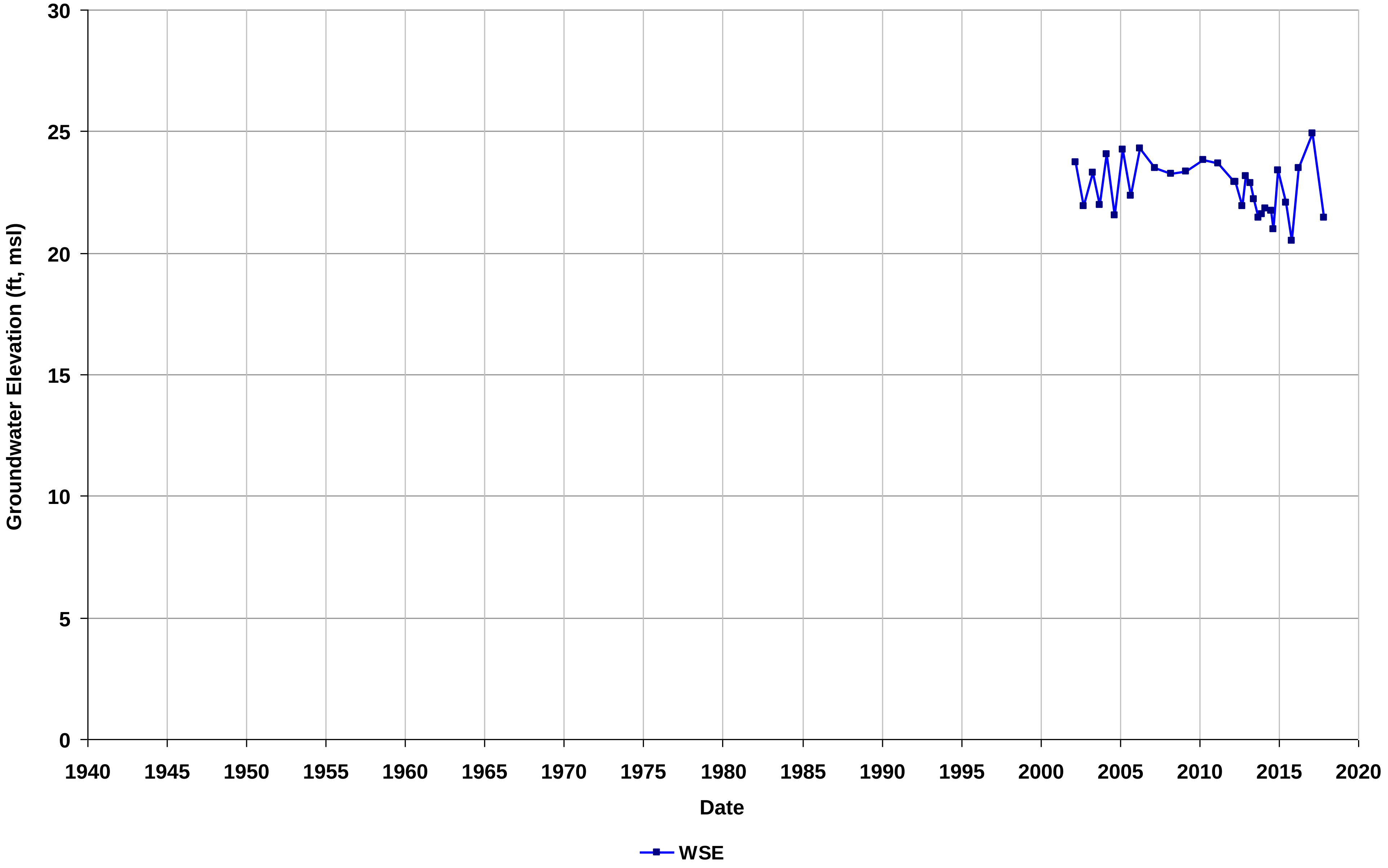
Well Name: T0600100302-C-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/18
Well Use: Observation



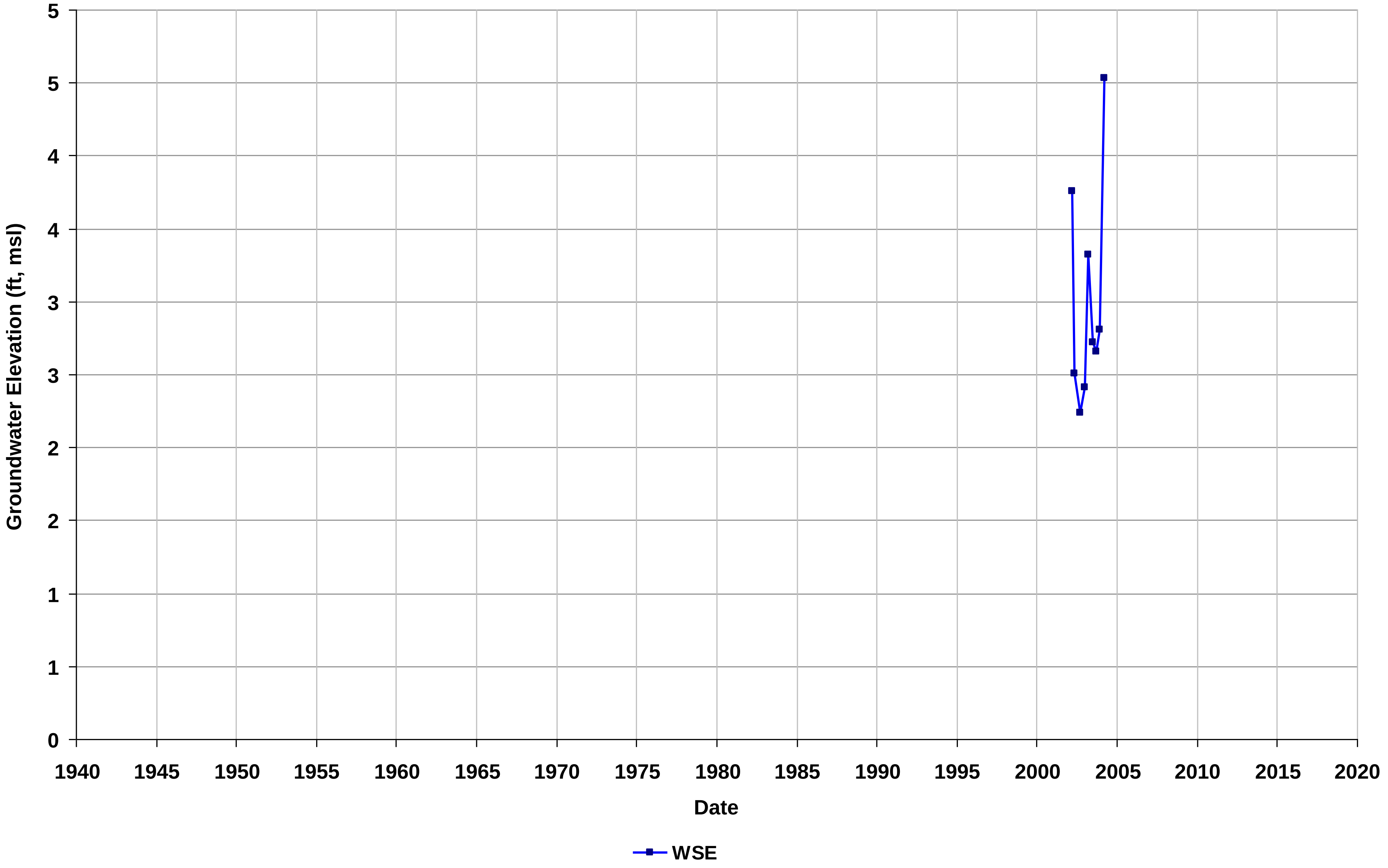
Well Name: T0600100302-C-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/07
Well Use: Observation



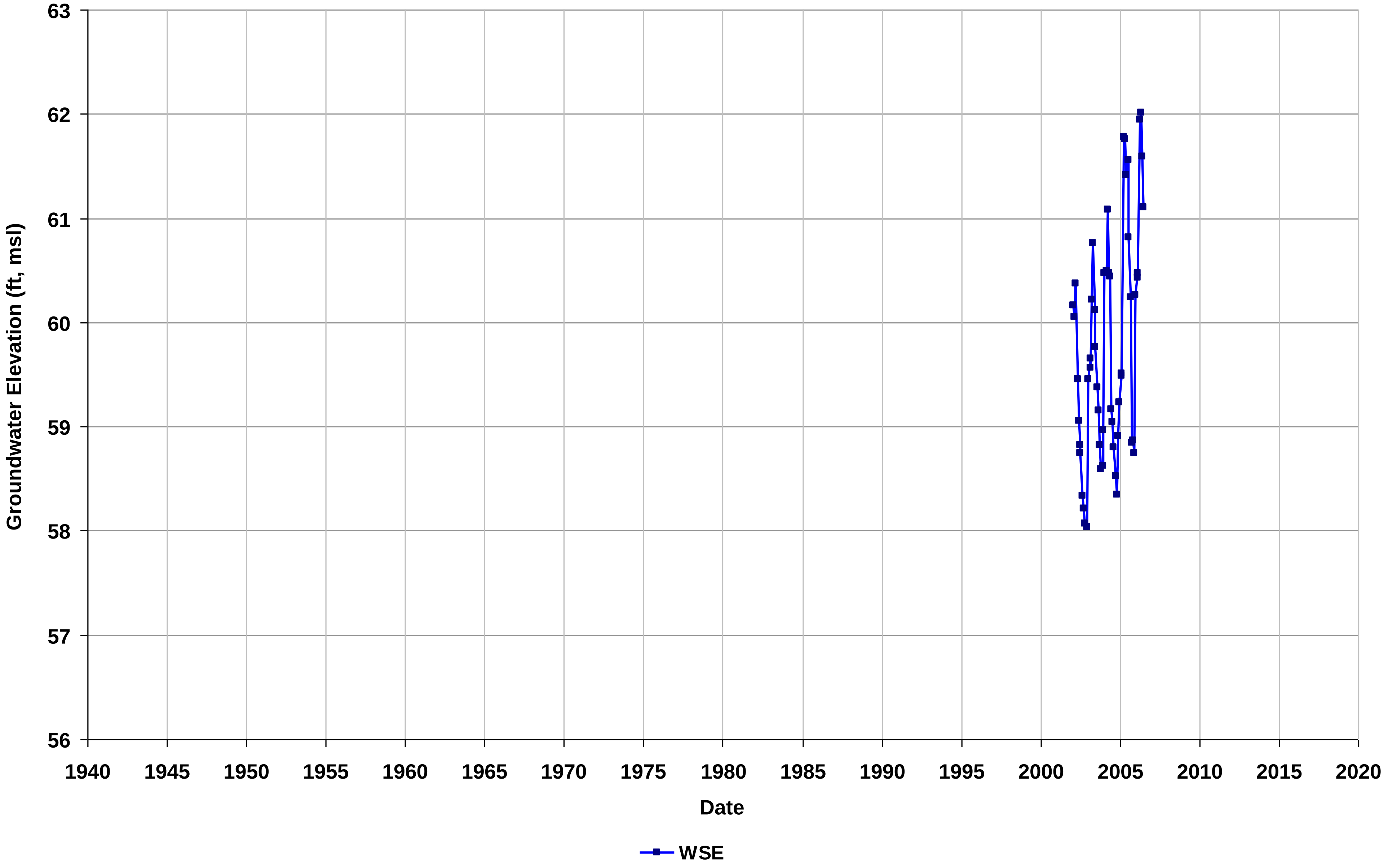
Well Name: T0600100328-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/25
Well Use: Observation



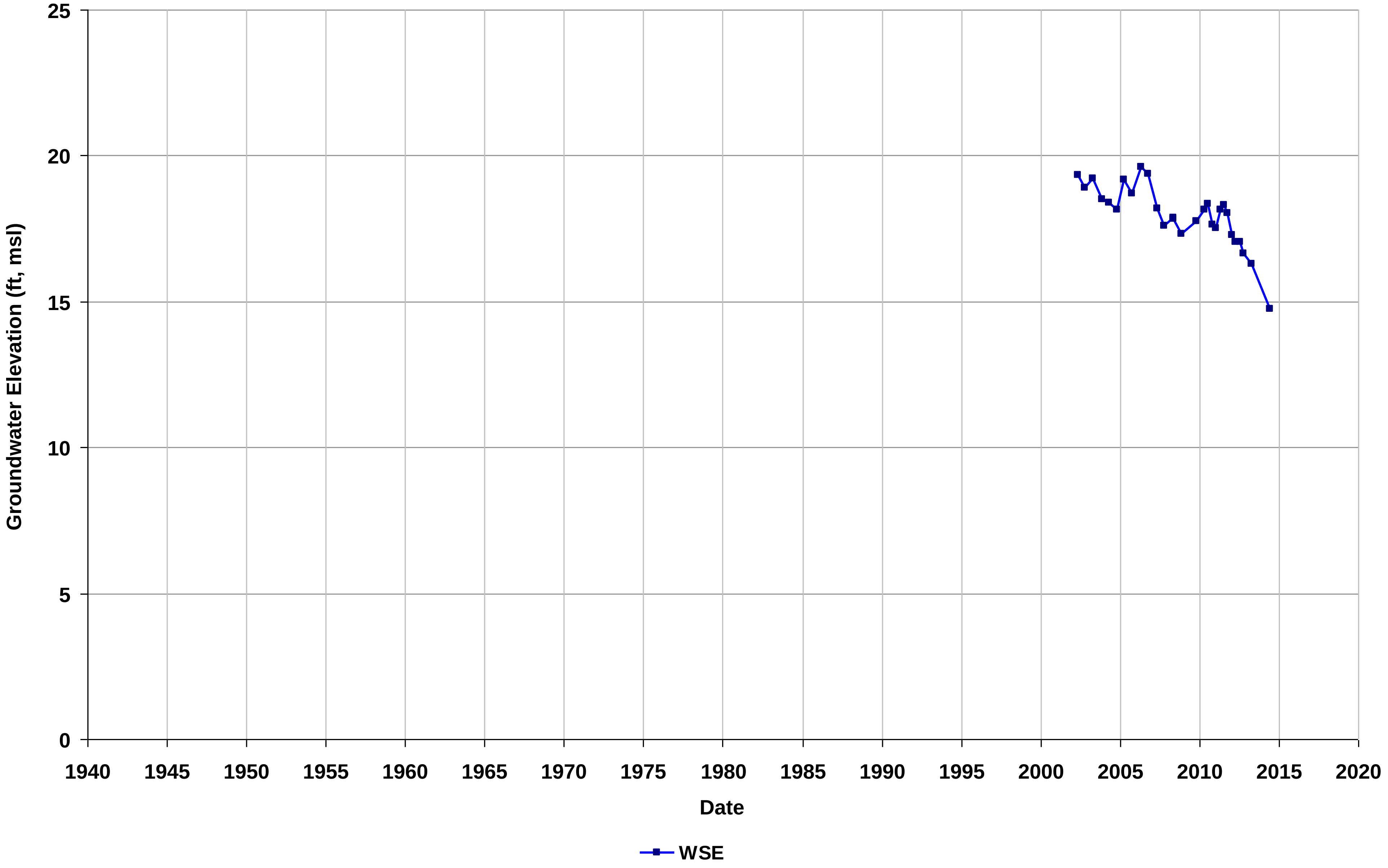
Well Name: T0600100334-B-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/24
Well Use: Observation



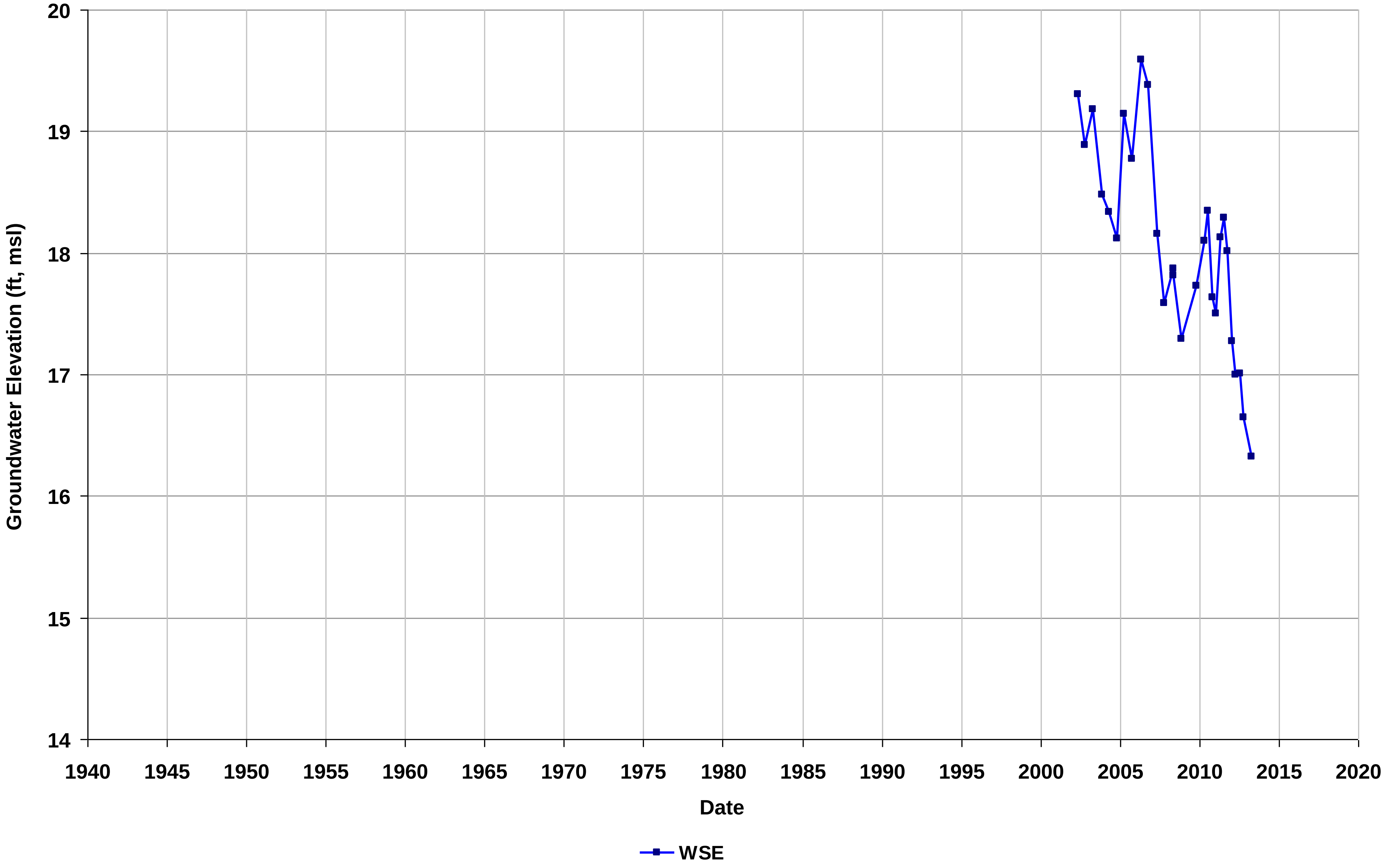
Well Name: T0600100338-MW-10
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



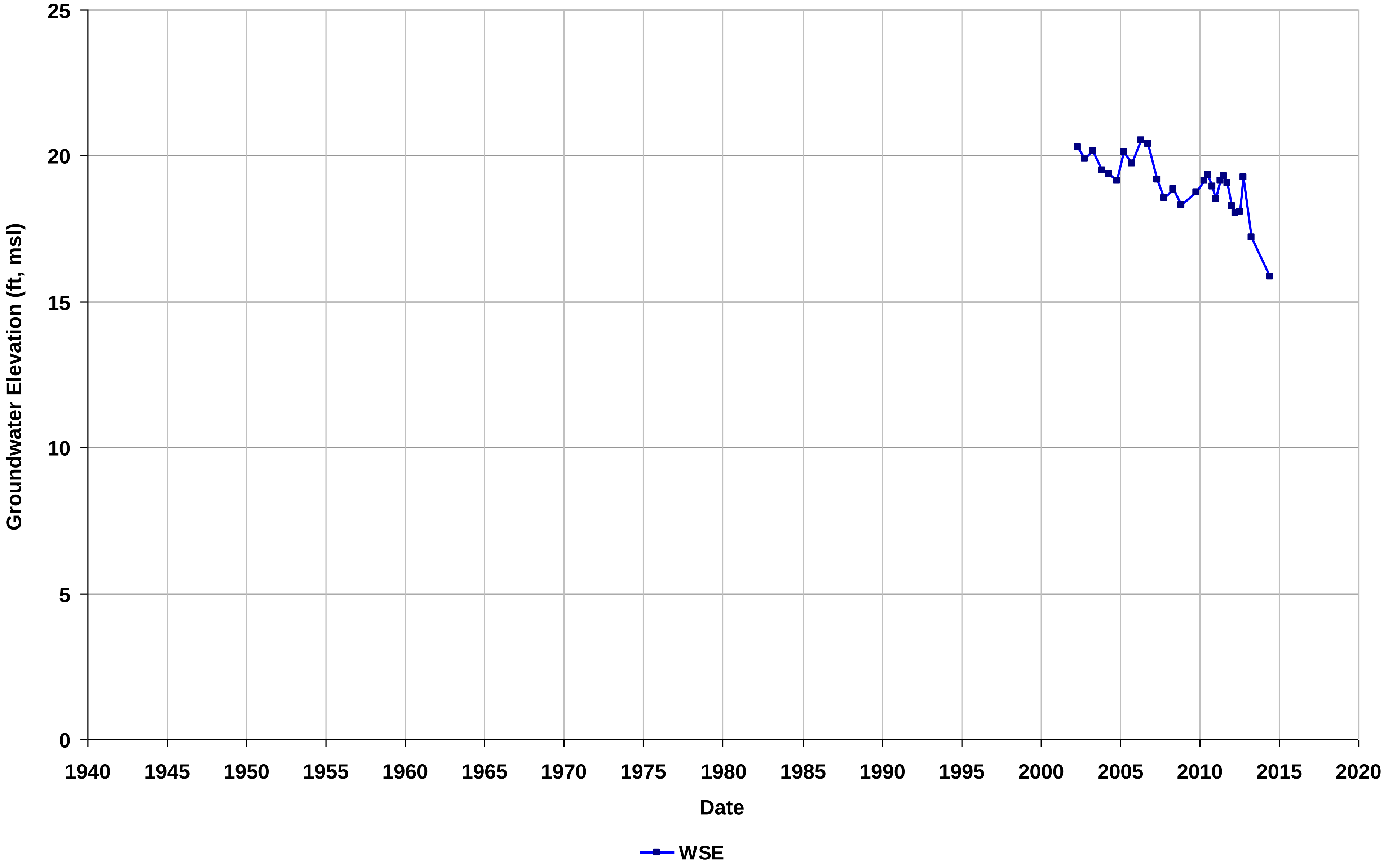
Well Name: T0600100338-MW-11
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



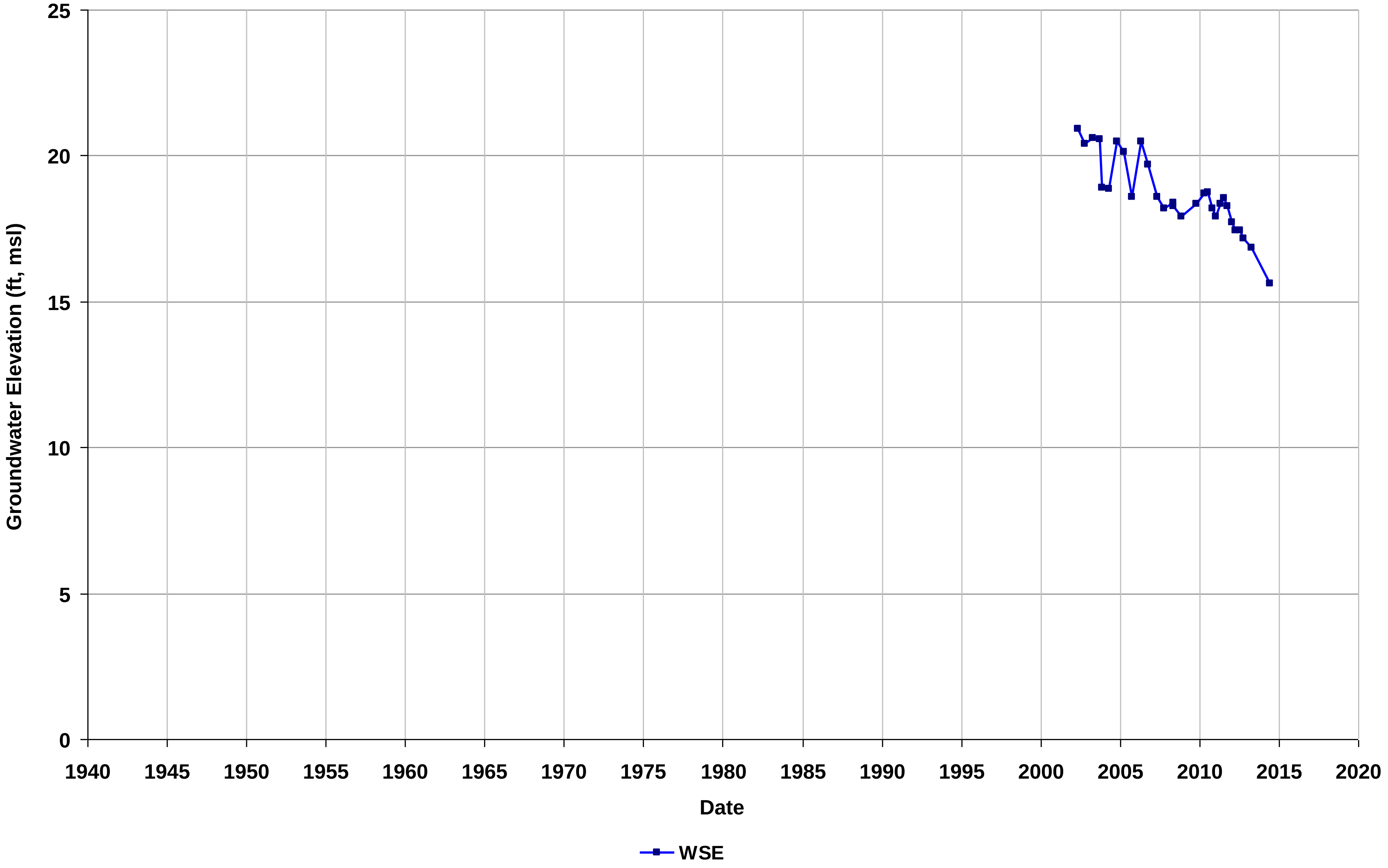
Well Name: T0600100338-MW-12
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



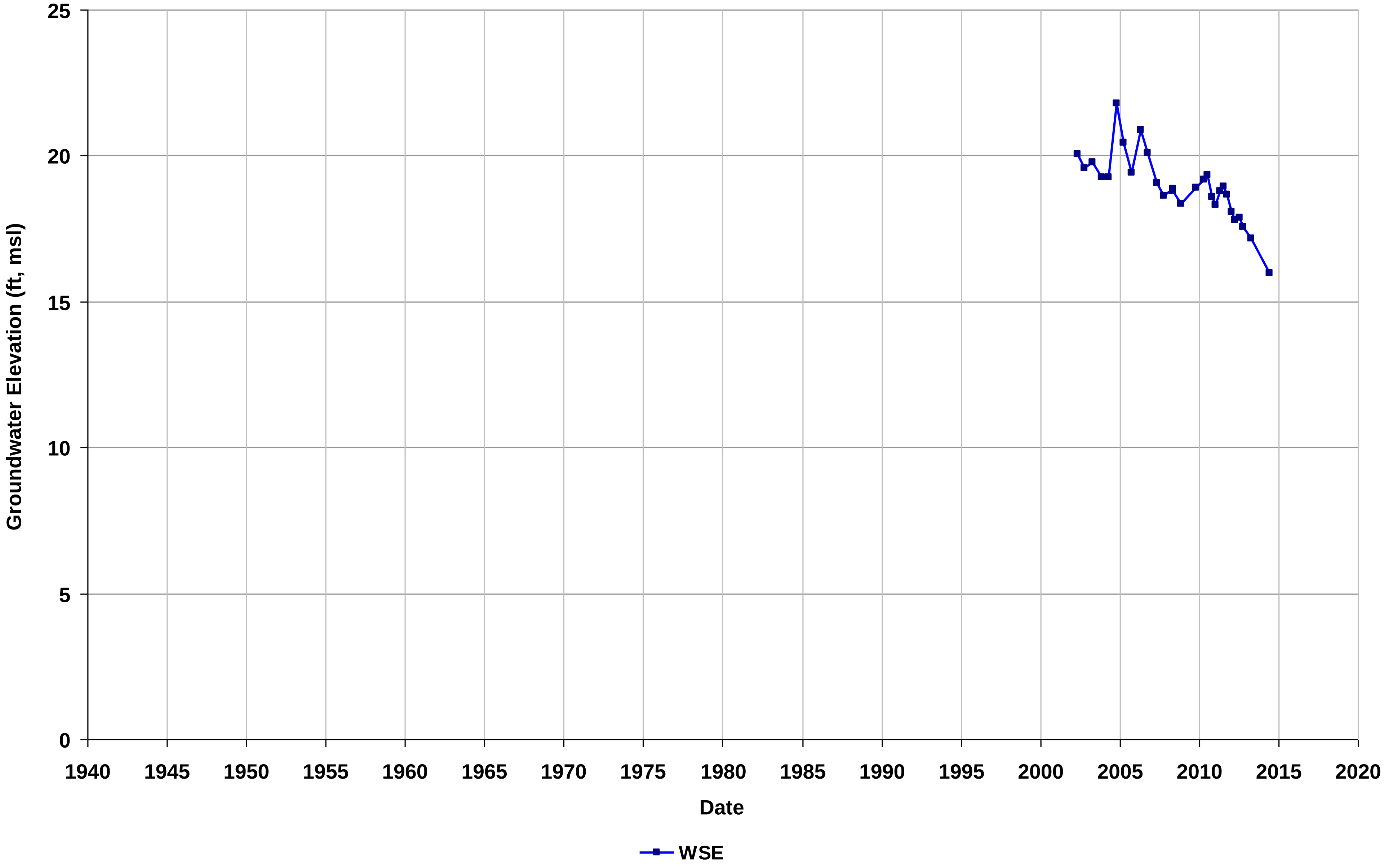
Well Name: T0600100338-MW-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



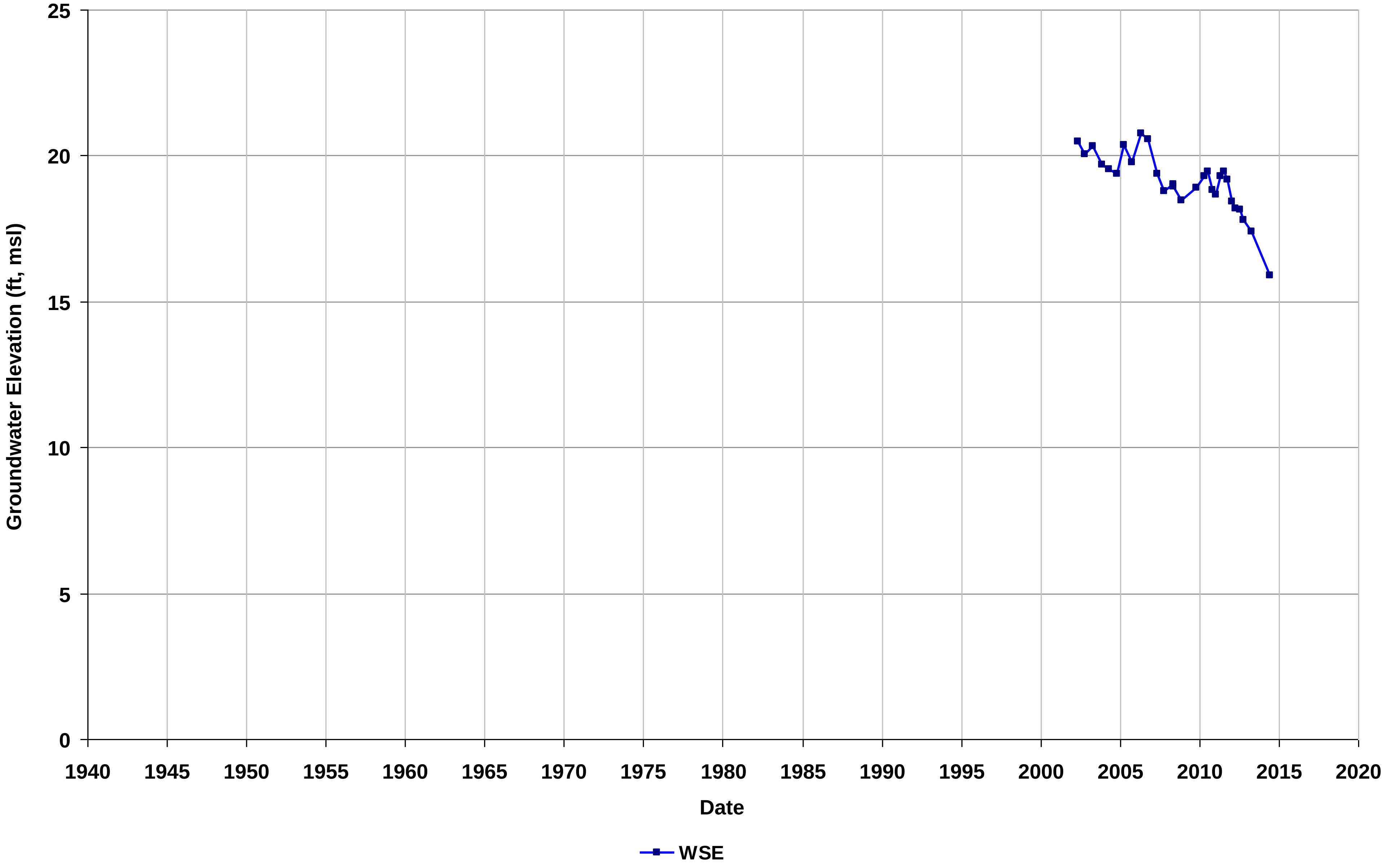
Well Name: T0600100338-MW-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



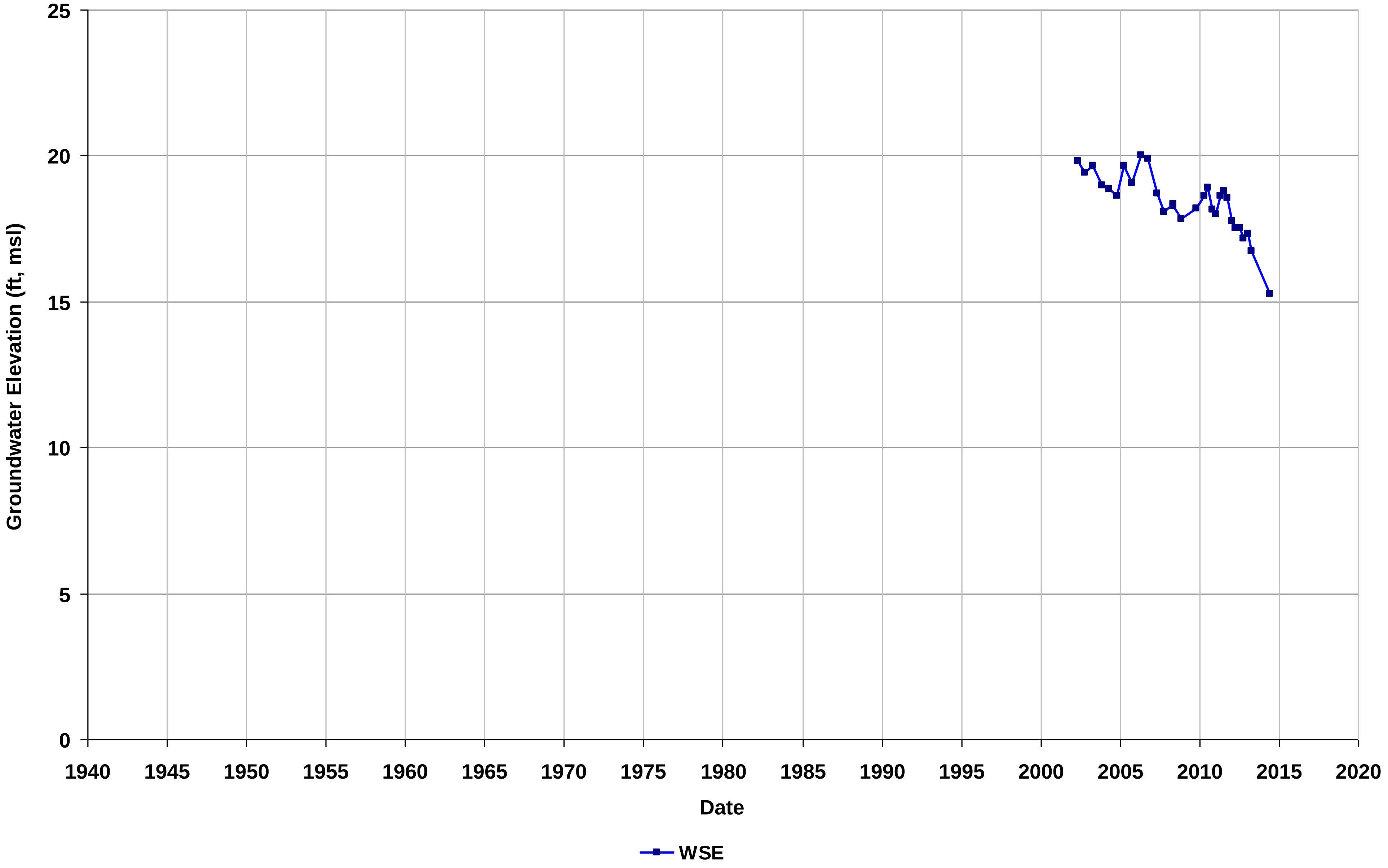
Well Name: T0600100338-MW-7
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



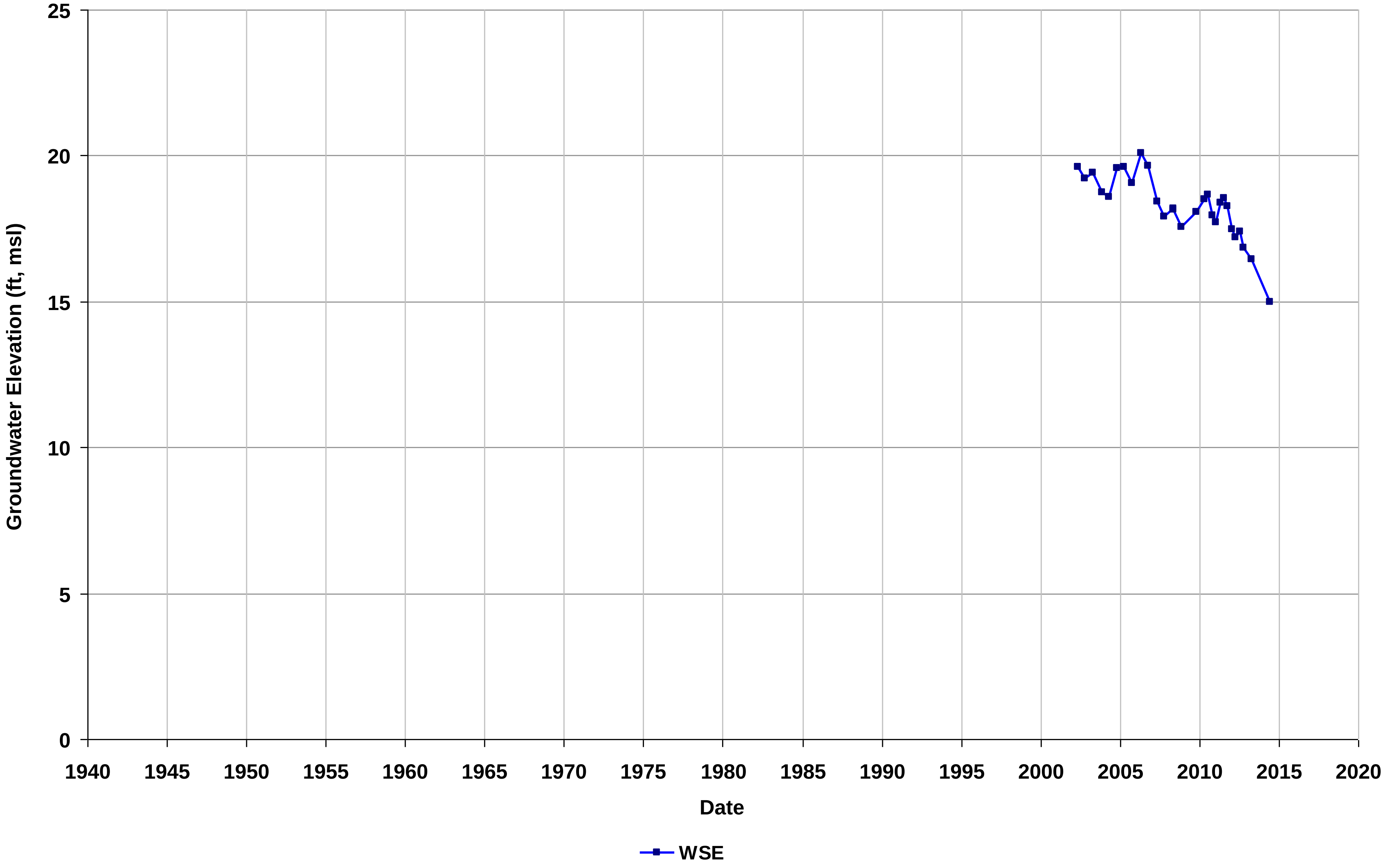
Well Name: T0600100338-MW-8
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



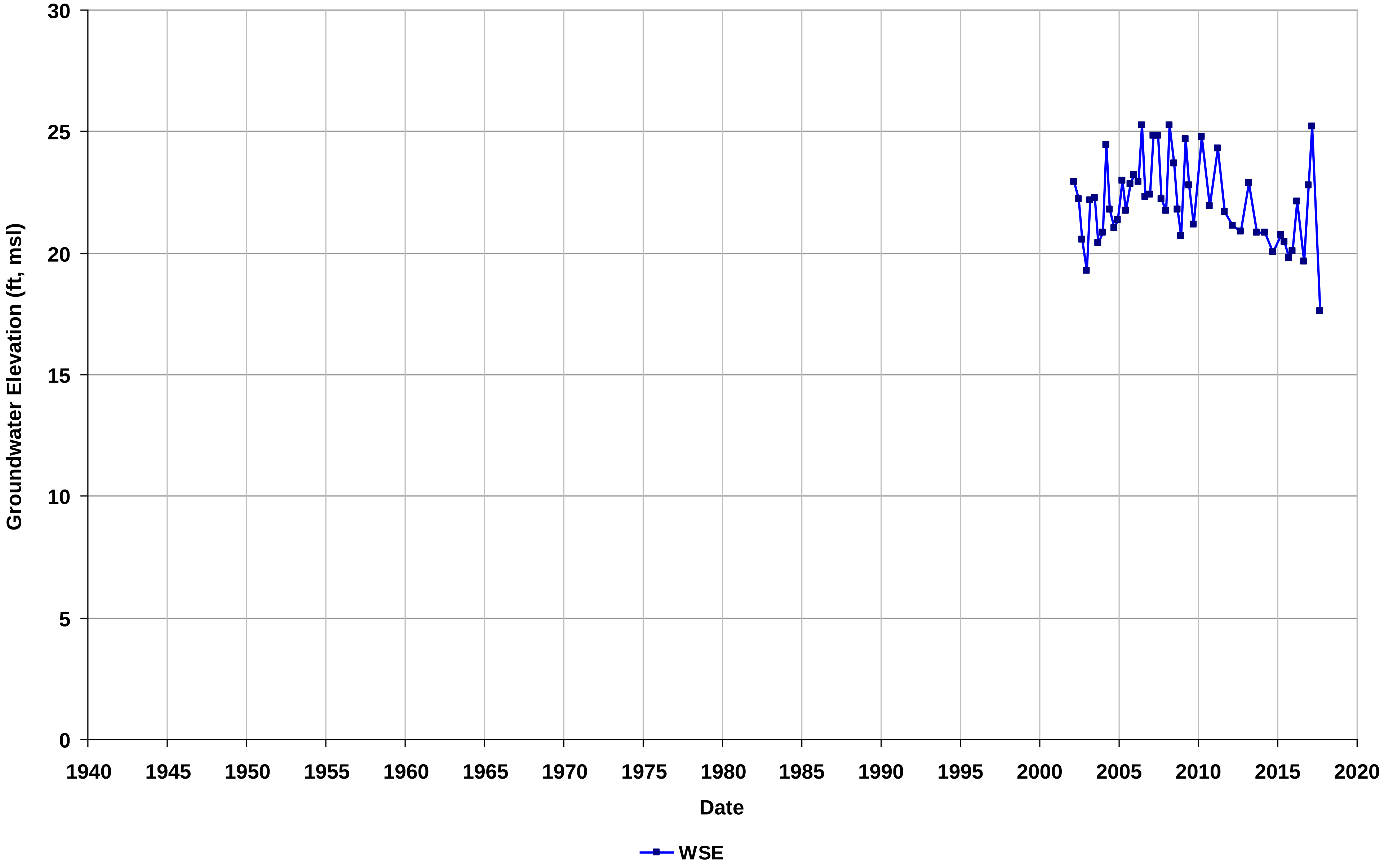
Well Name: T0600100338-MW-9
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



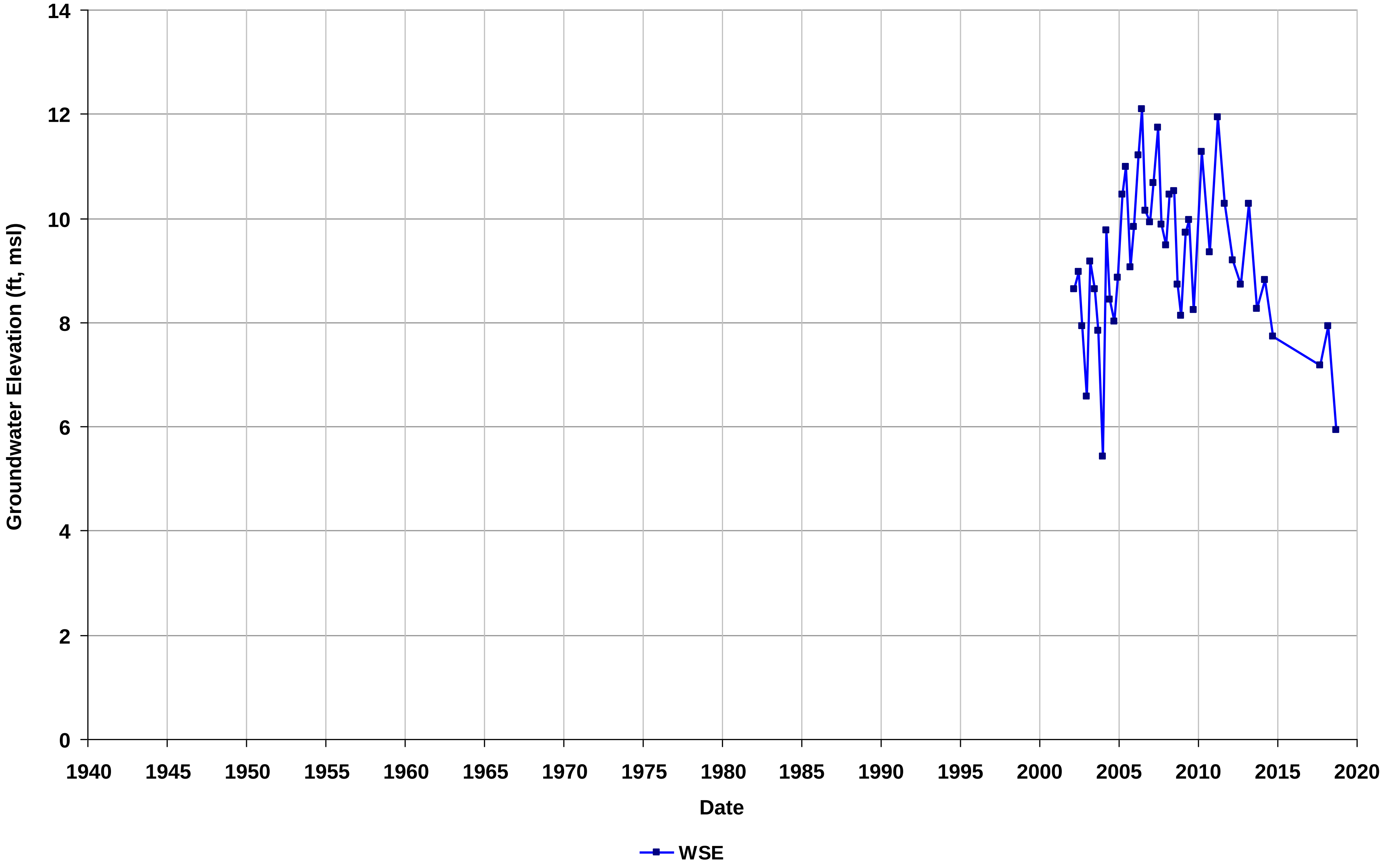
Well Name: T0600100339-C-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



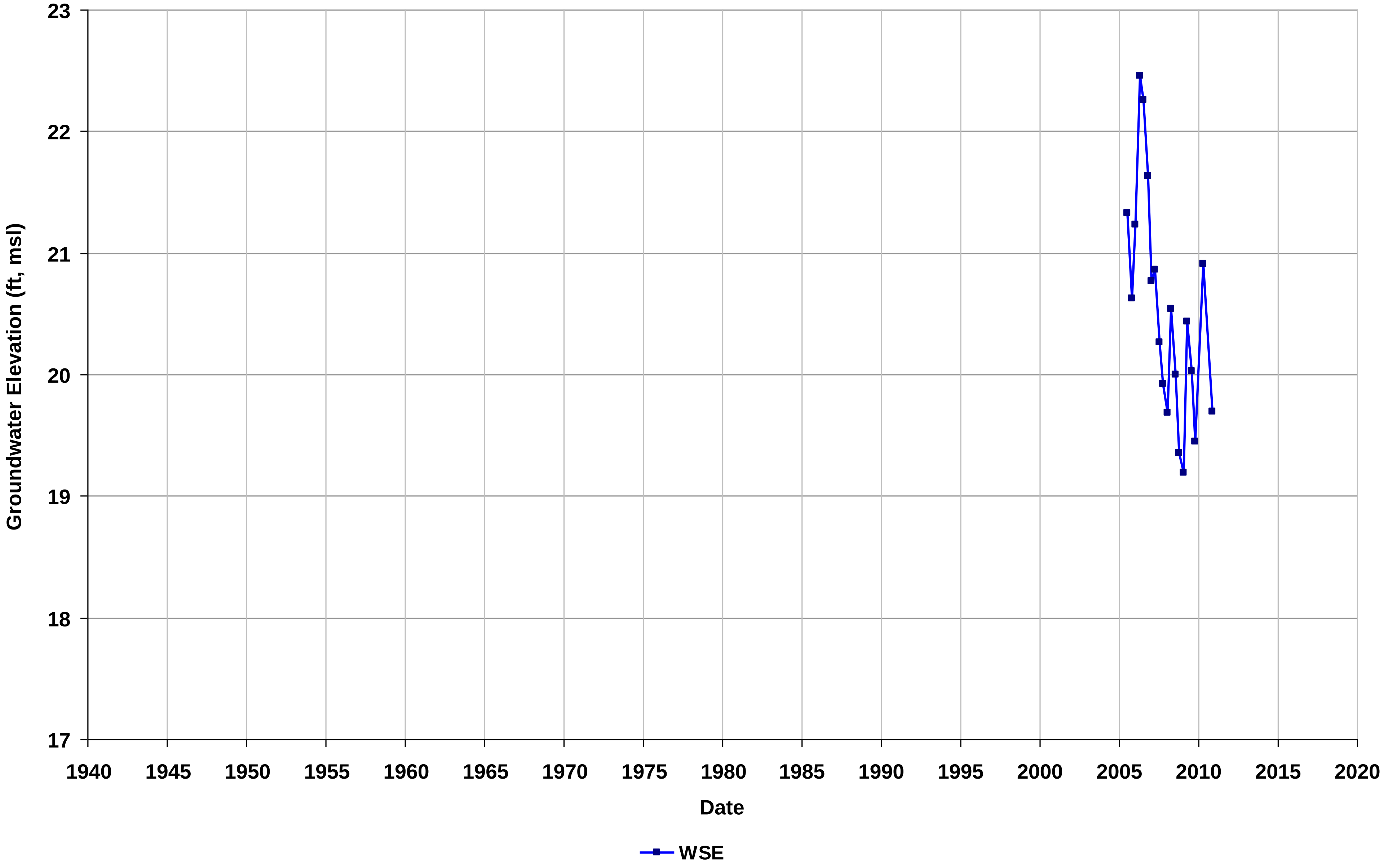
Well Name: T0600100339-C-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



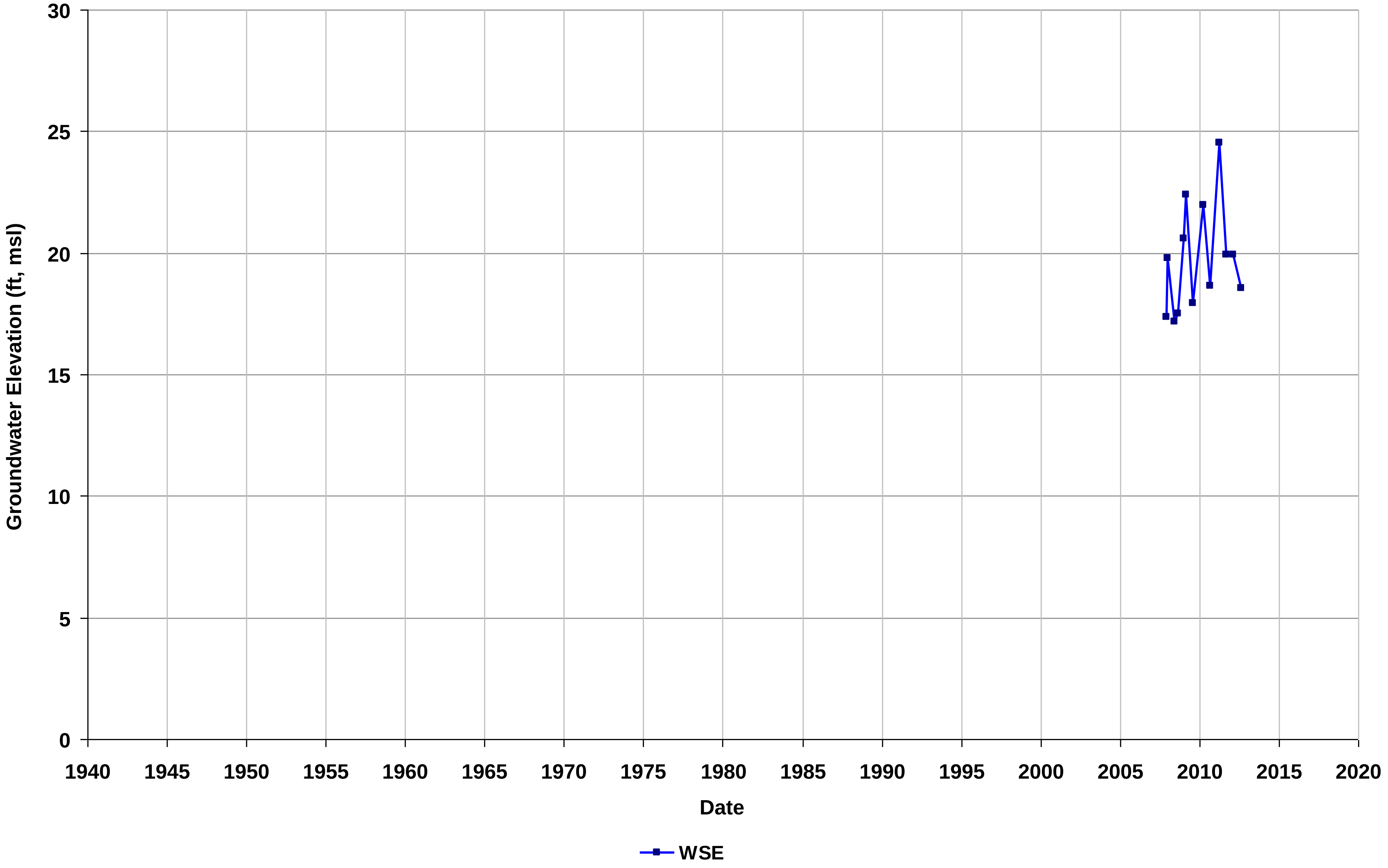
Well Name: T0600100346-C-20
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



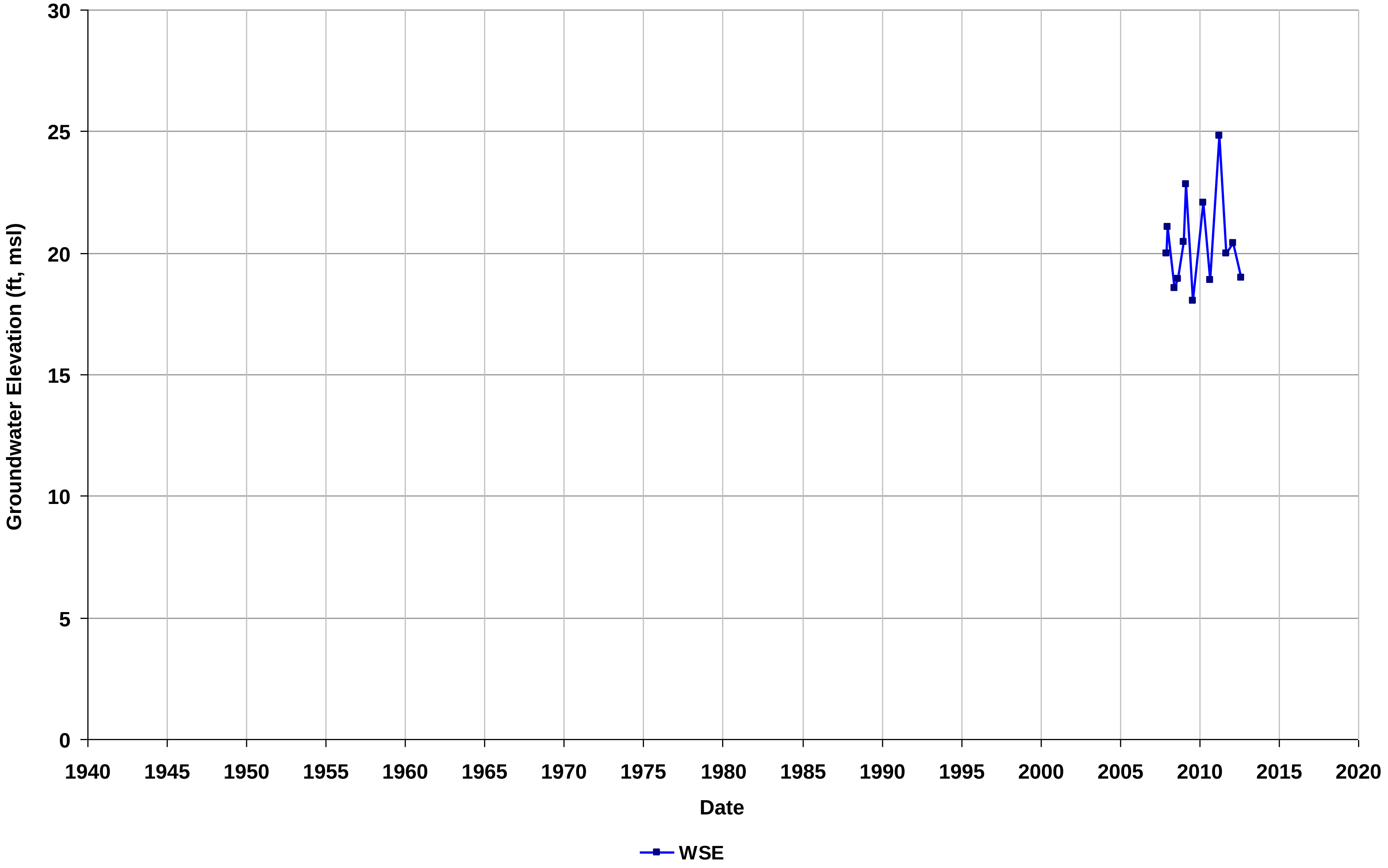
Well Name: T0600100379-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/22
Well Use: Observation



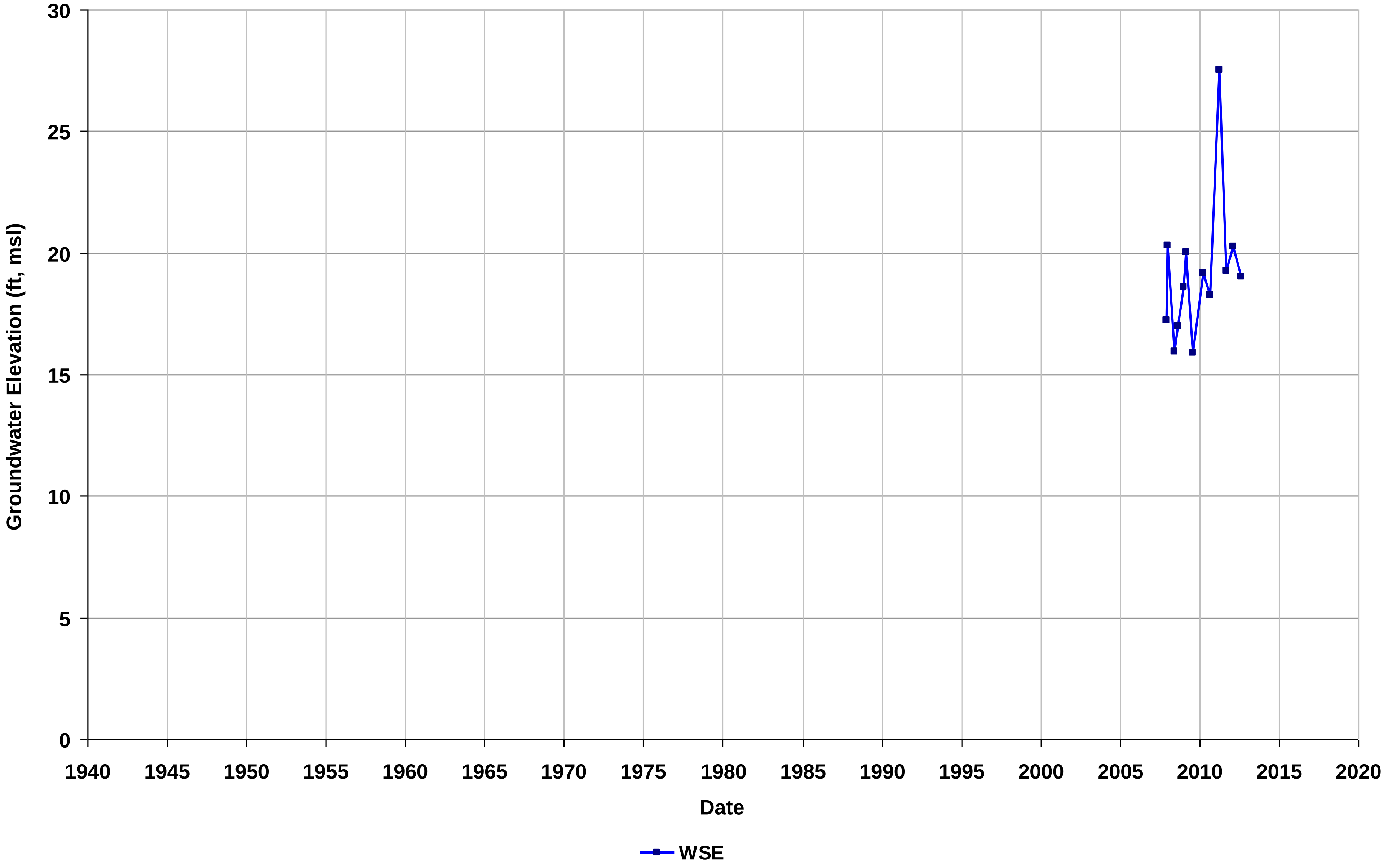
Well Name: T0600100379-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/22
Well Use: Observation



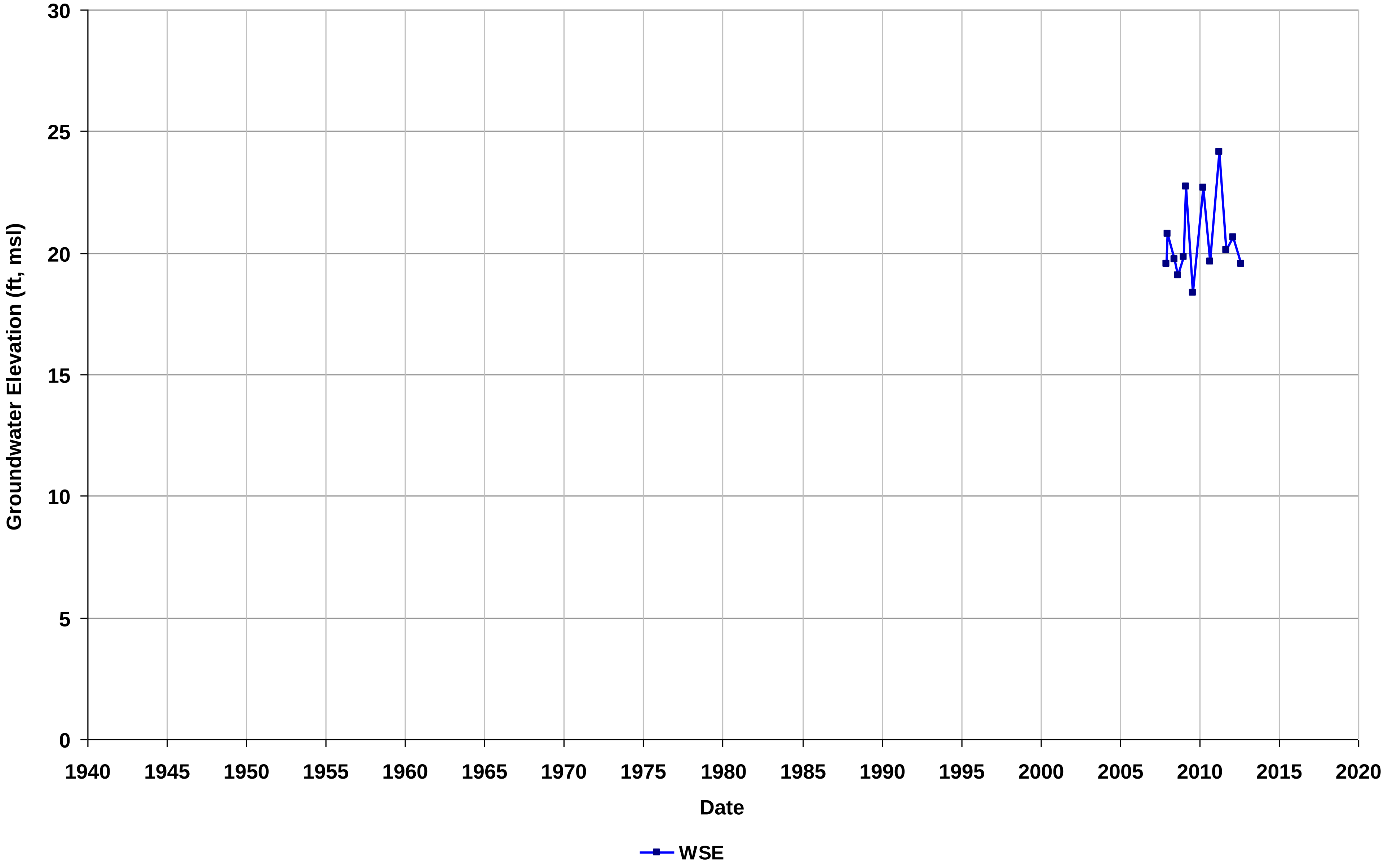
Well Name: T0600100379-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/22
Well Use: Observation



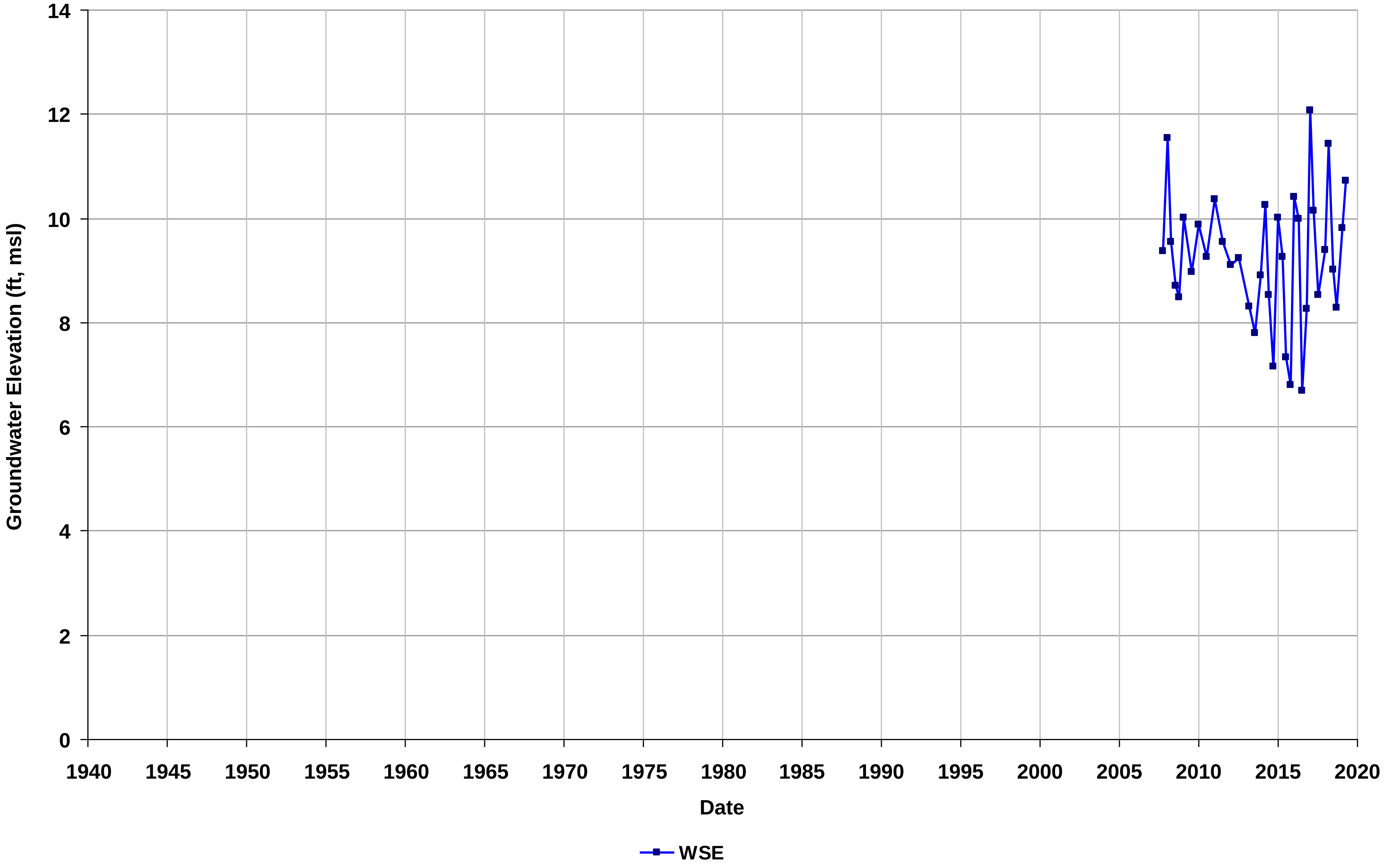
Well Name: T0600100379-W-IND
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/22
Well Use: Observation



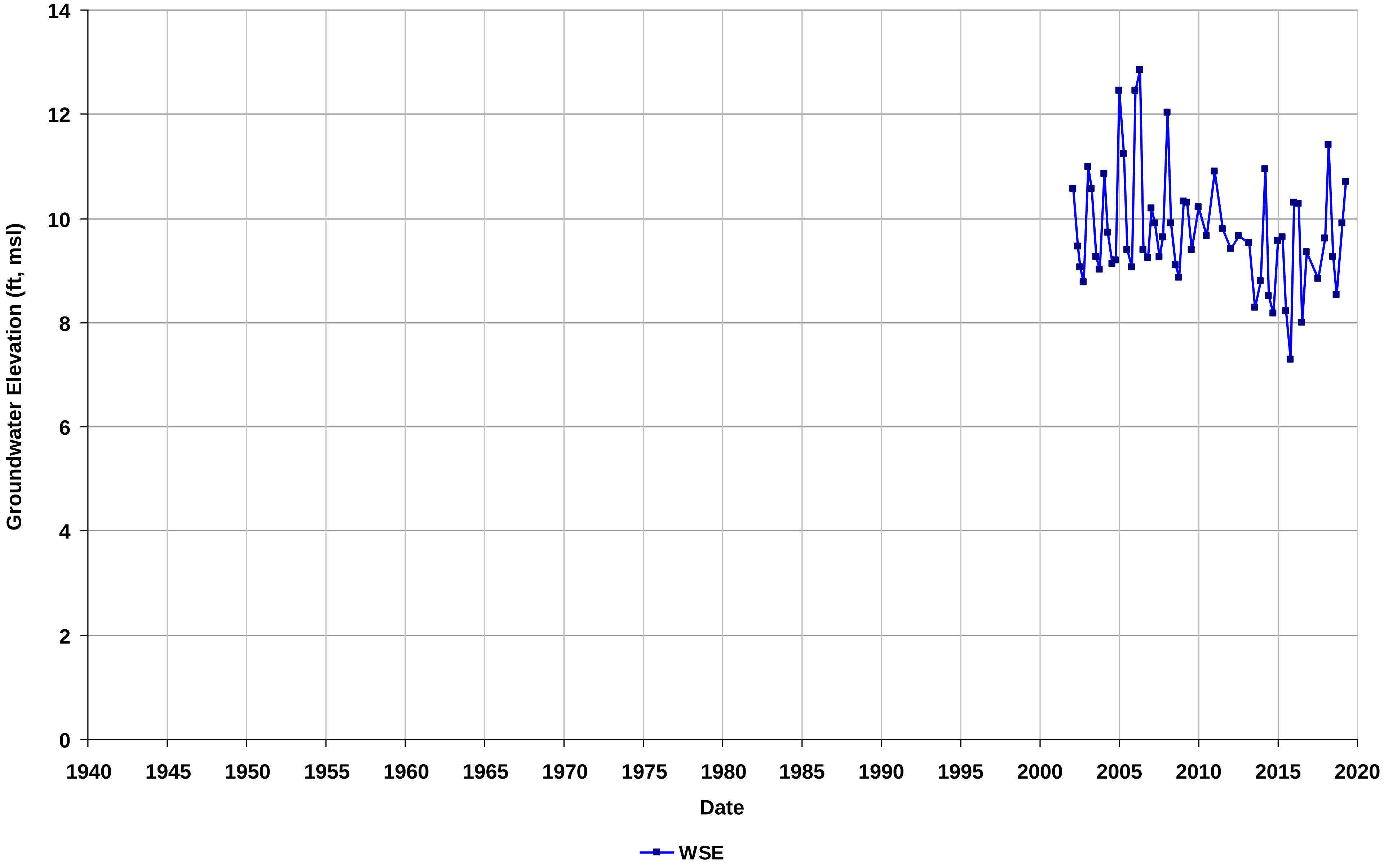
Well Name: T0600100472-EW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/35
Well Use: Observation



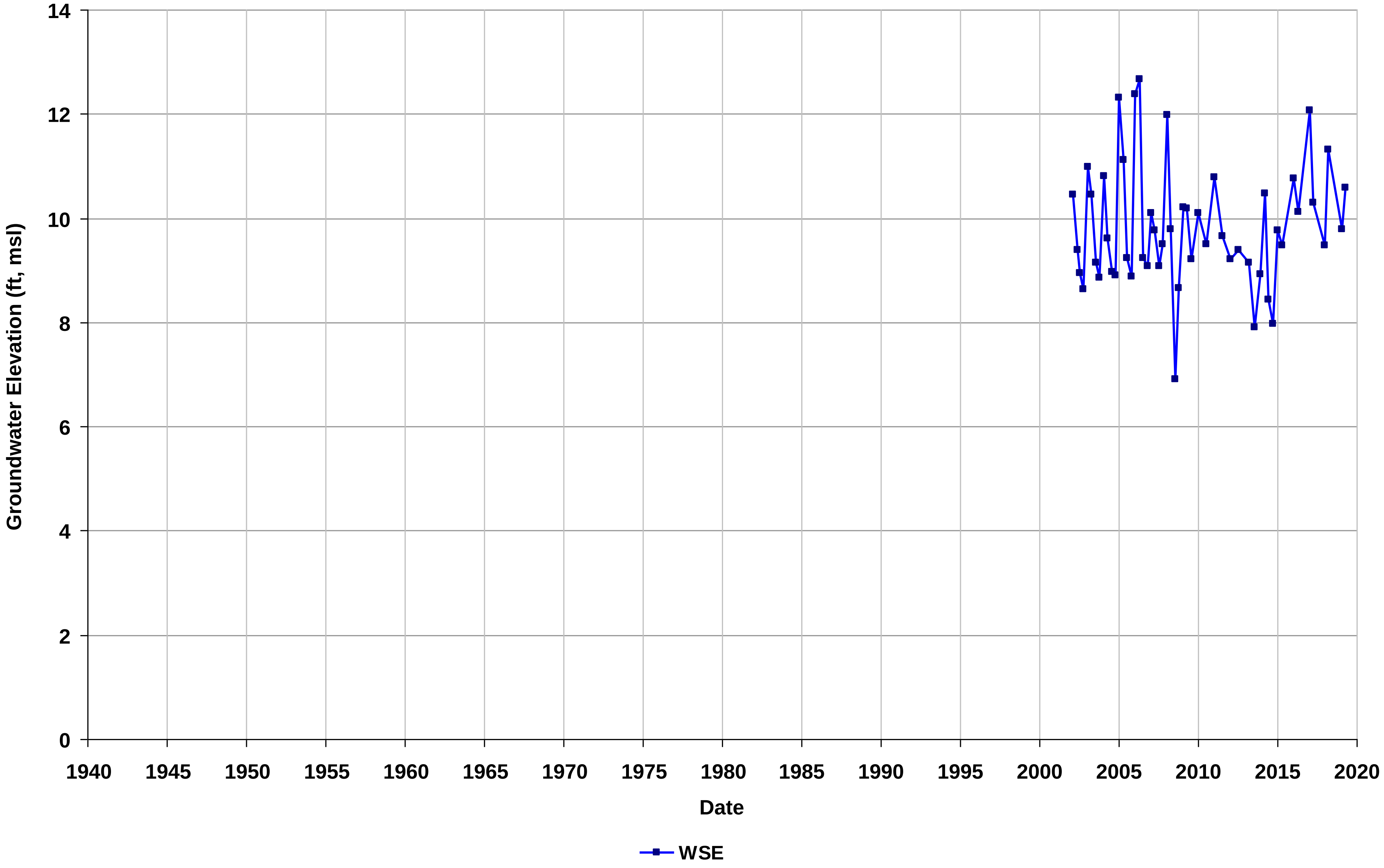
Well Name: T0600100472-MW-V
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/35
Well Use: Observation



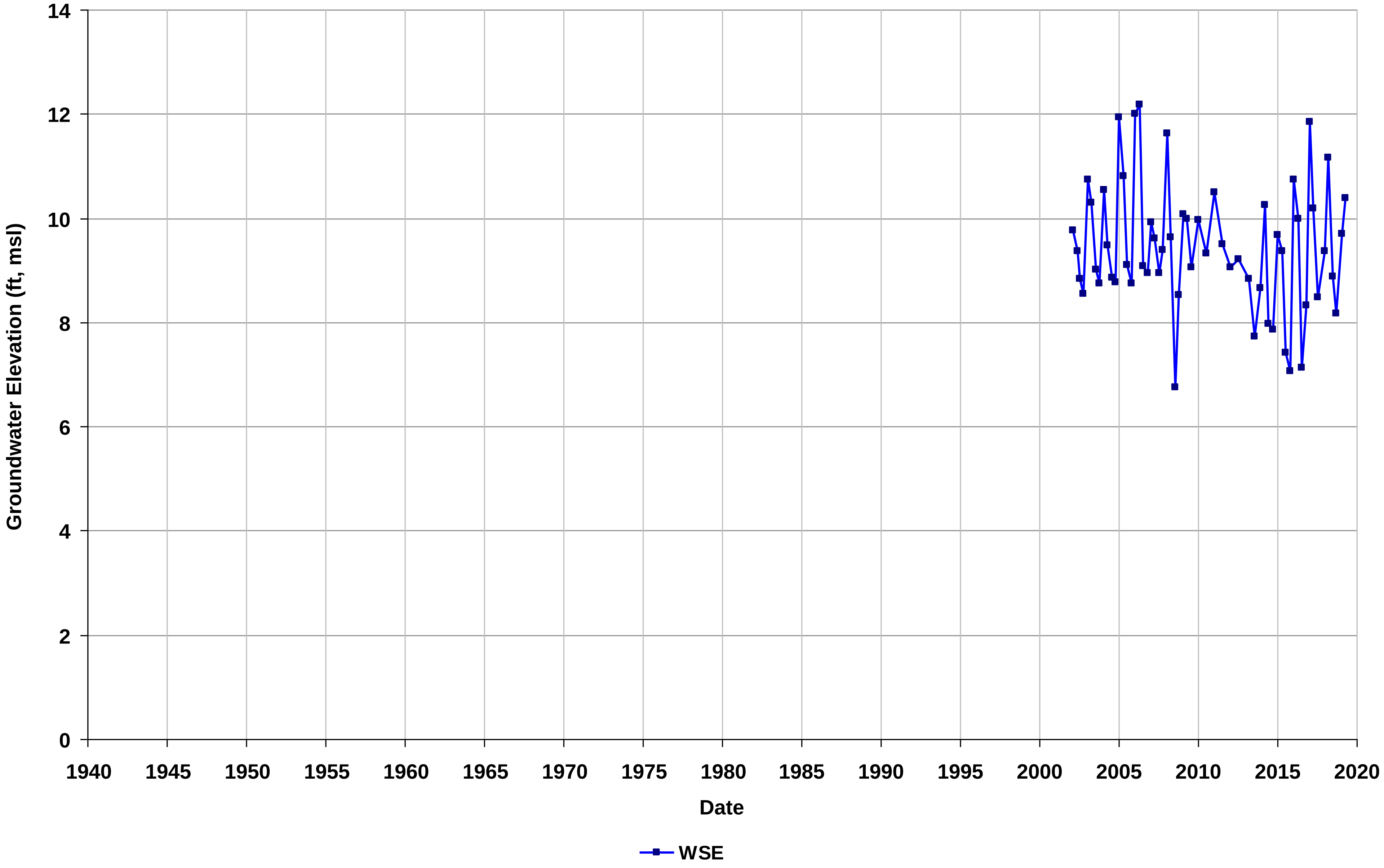
Well Name: T0600100472-MW-W
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/35
Well Use: Observation



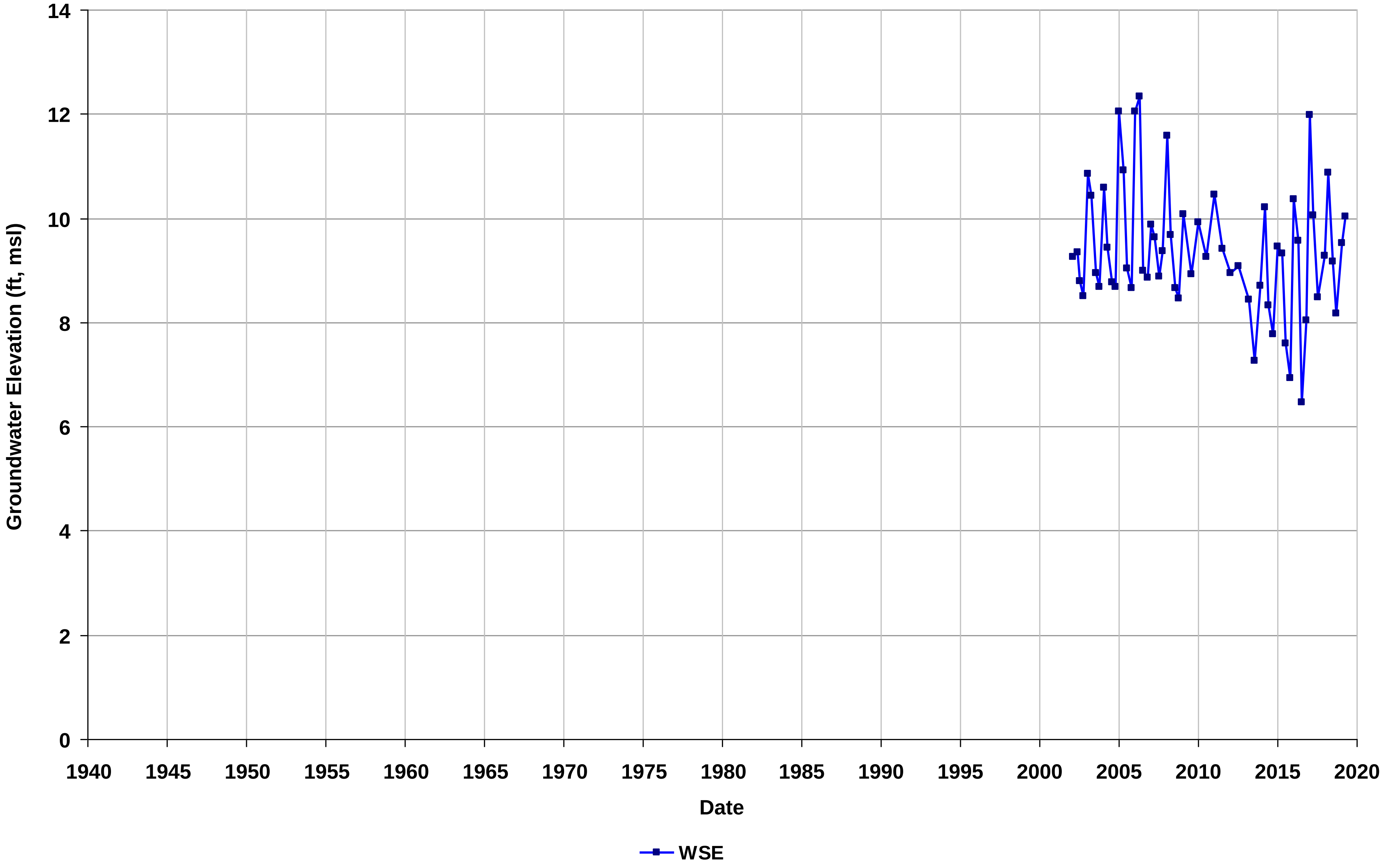
Well Name: T0600100472-MW-X
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/35
Well Use: Observation



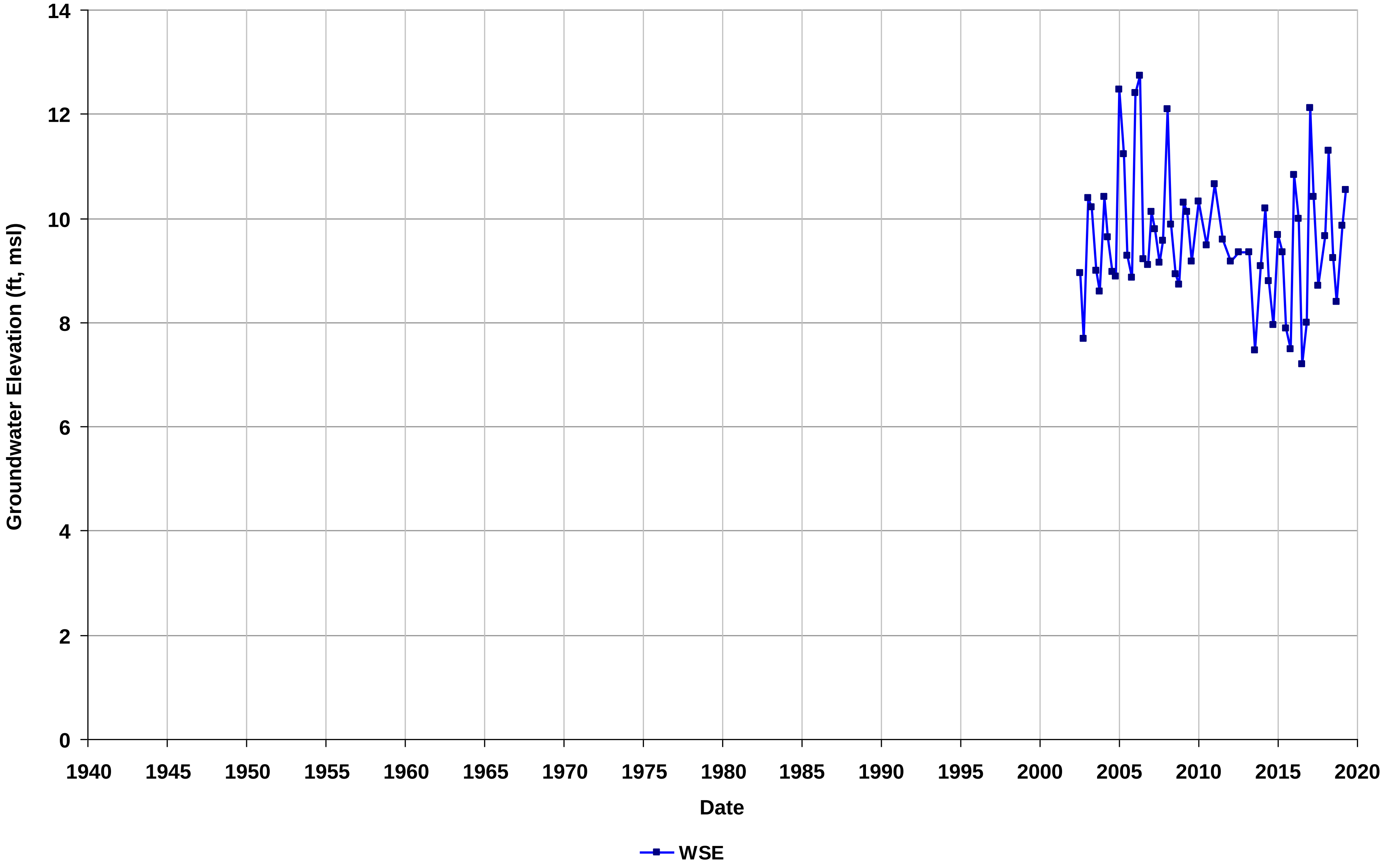
Well Name: T0600100472-MW-Y
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/35
Well Use: Observation



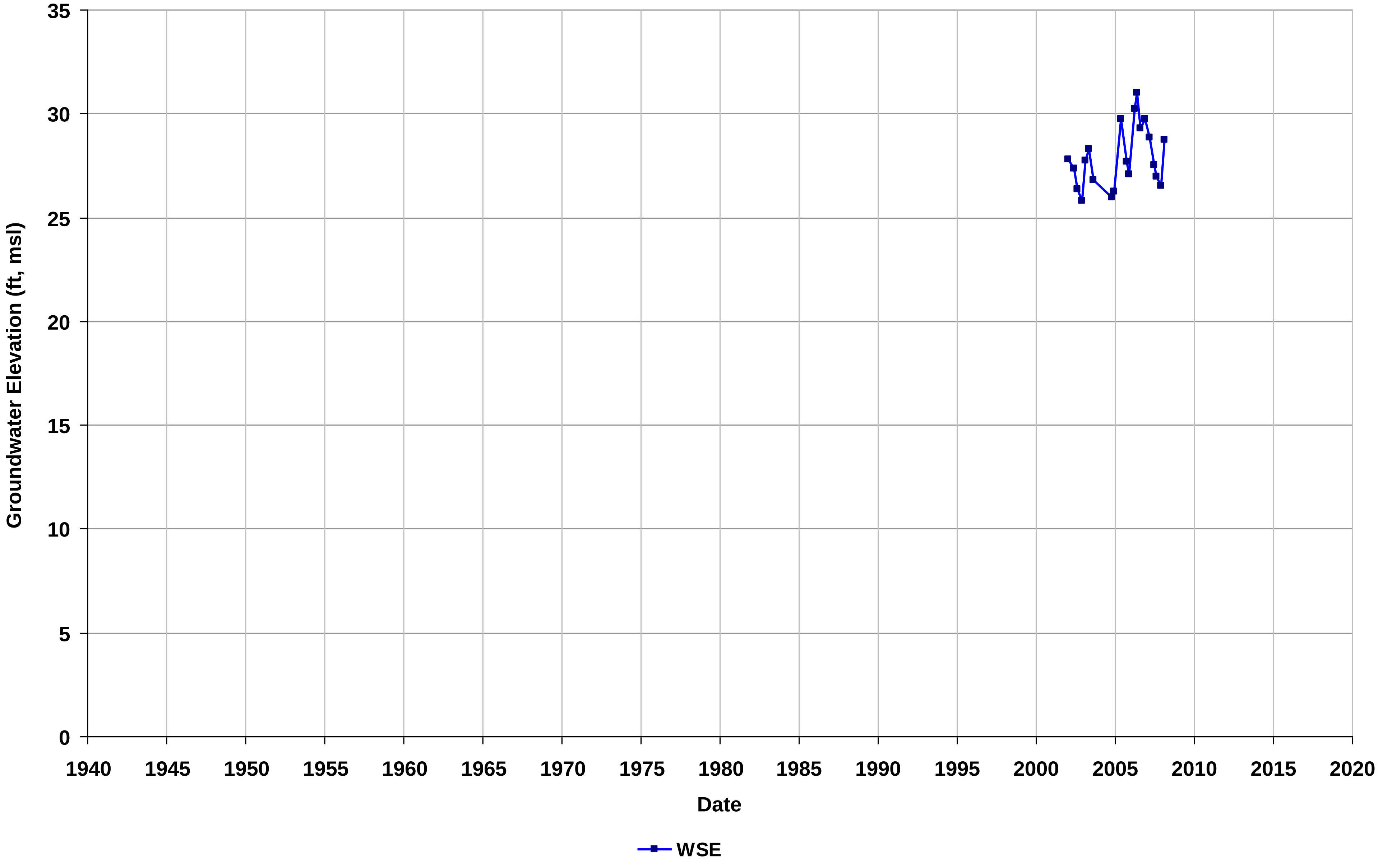
Well Name: T0600100472-MW-Z
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/35
Well Use: Observation



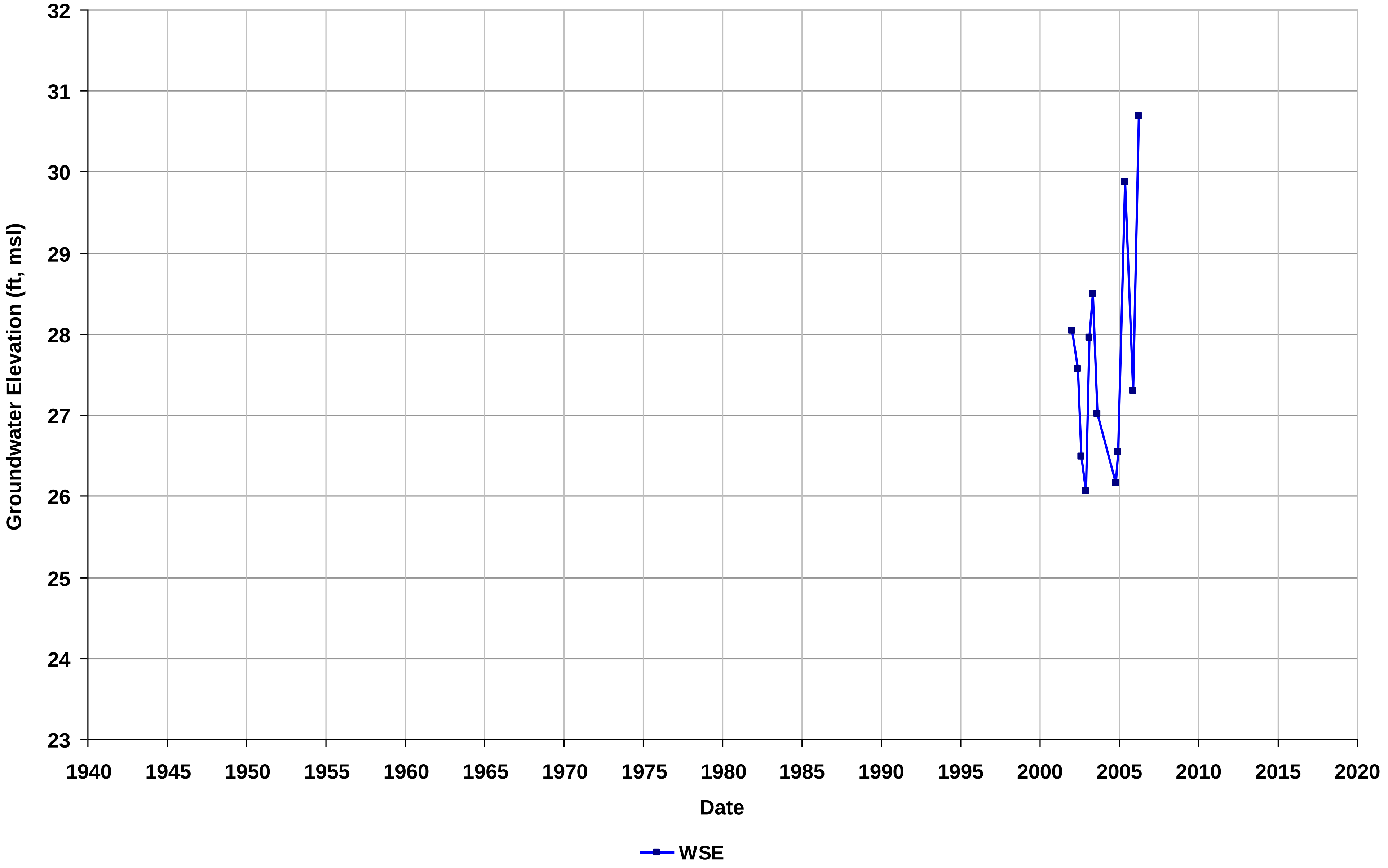
Well Name: T0600100483-MW-1A
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/17
Well Use: Observation



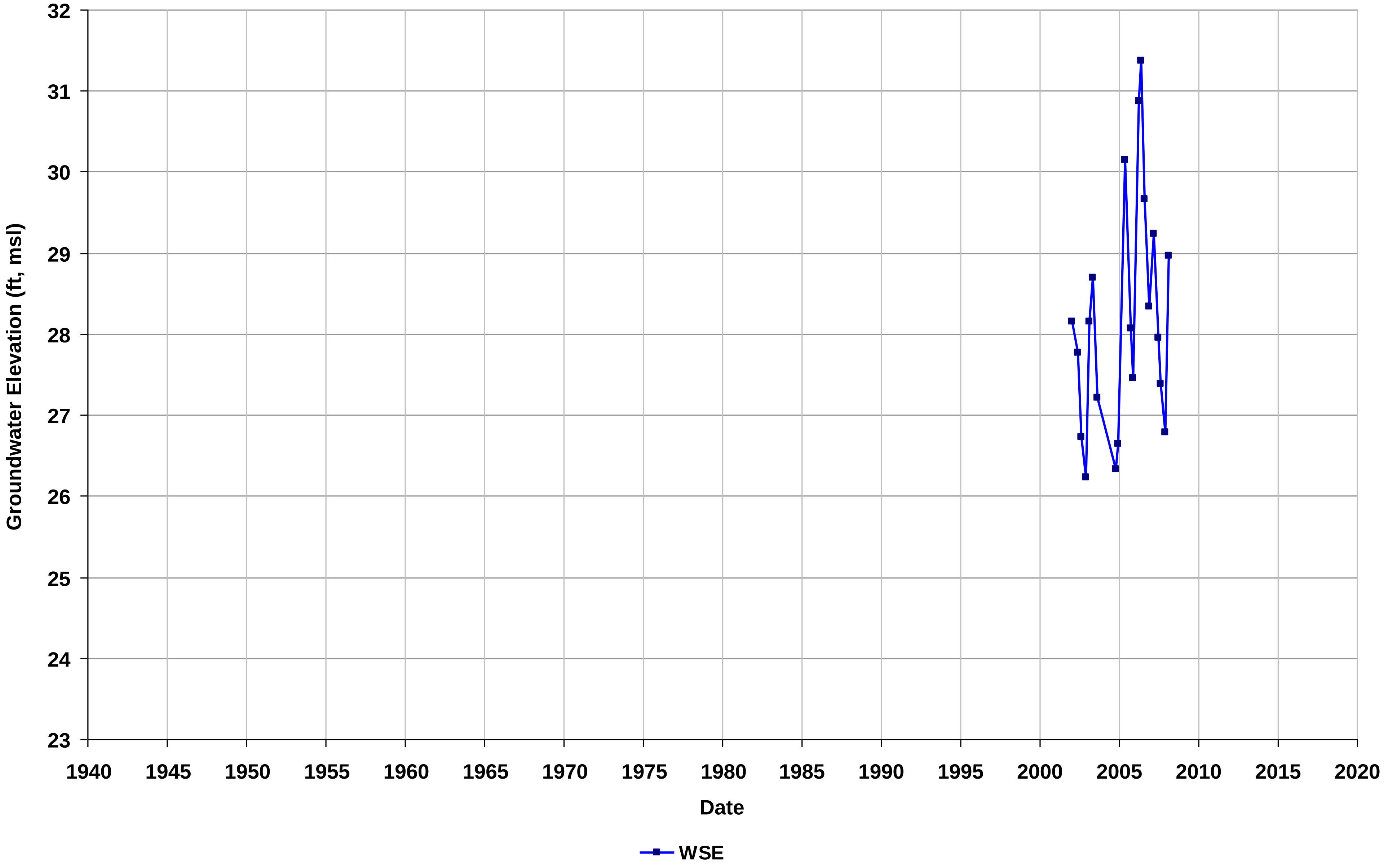
Well Name: T0600100483-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/17
Well Use: Observation



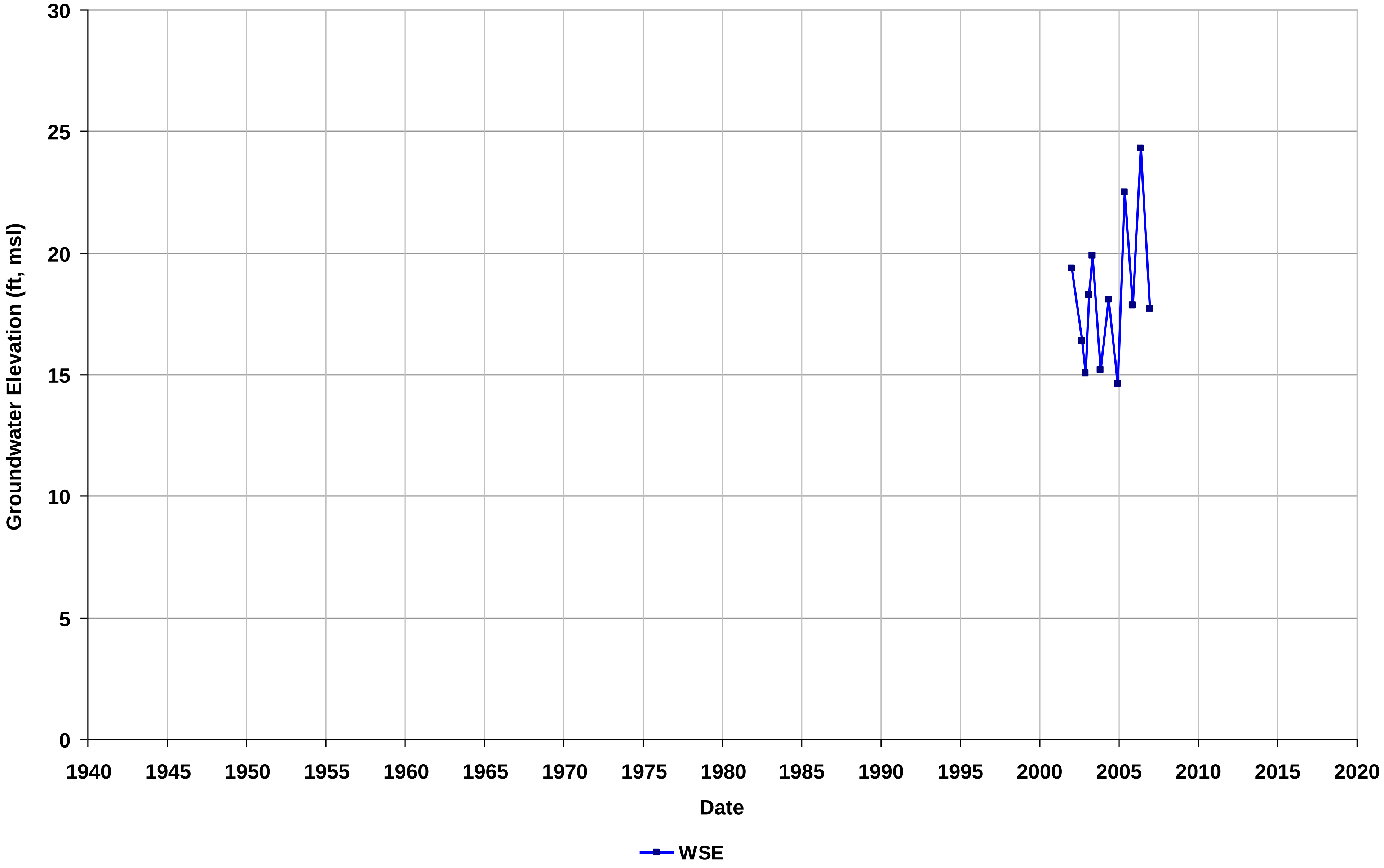
Well Name: T0600100483-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/17
Well Use: Observation



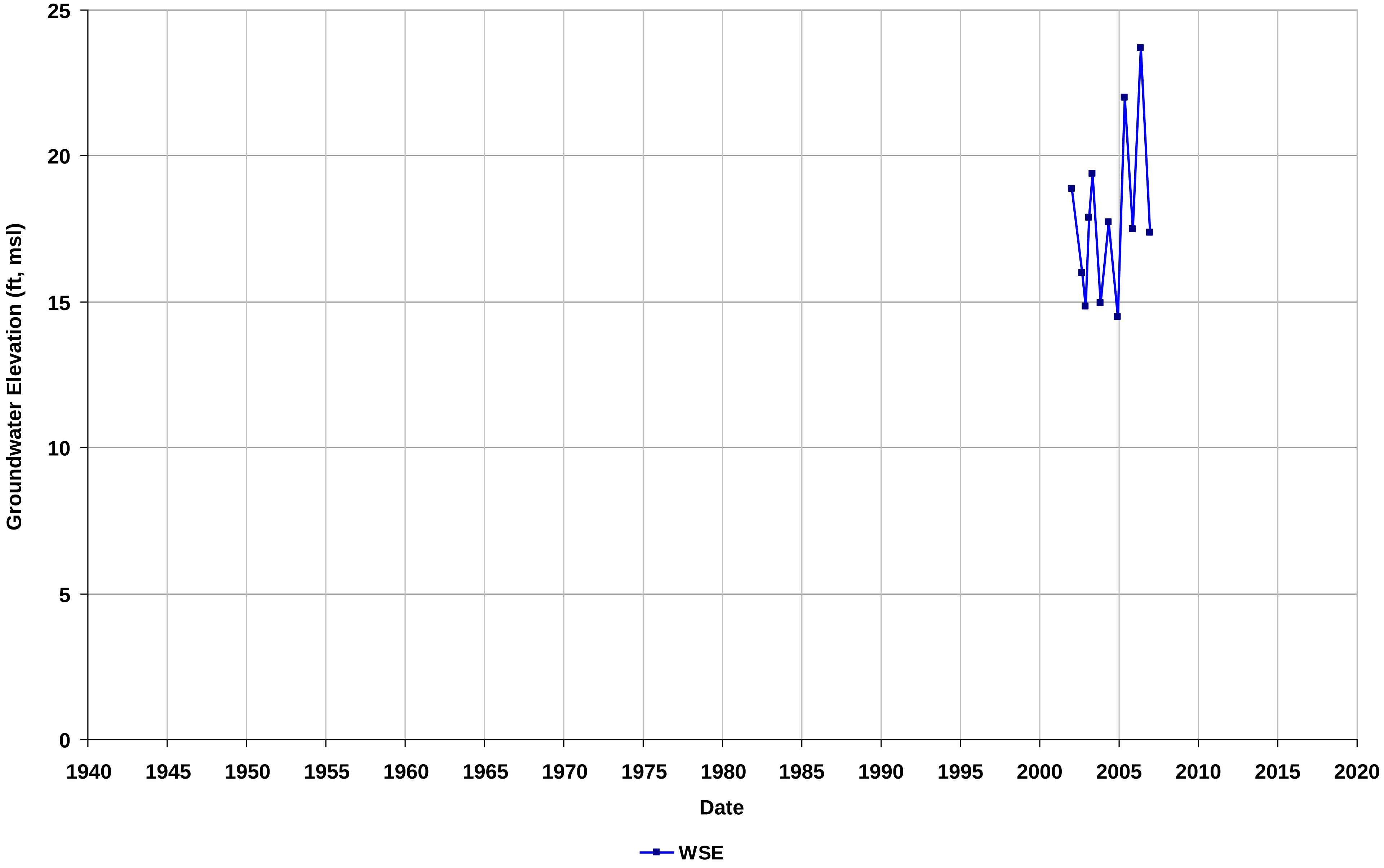
Well Name: T0600100519-MW-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/12
Well Use: Observation



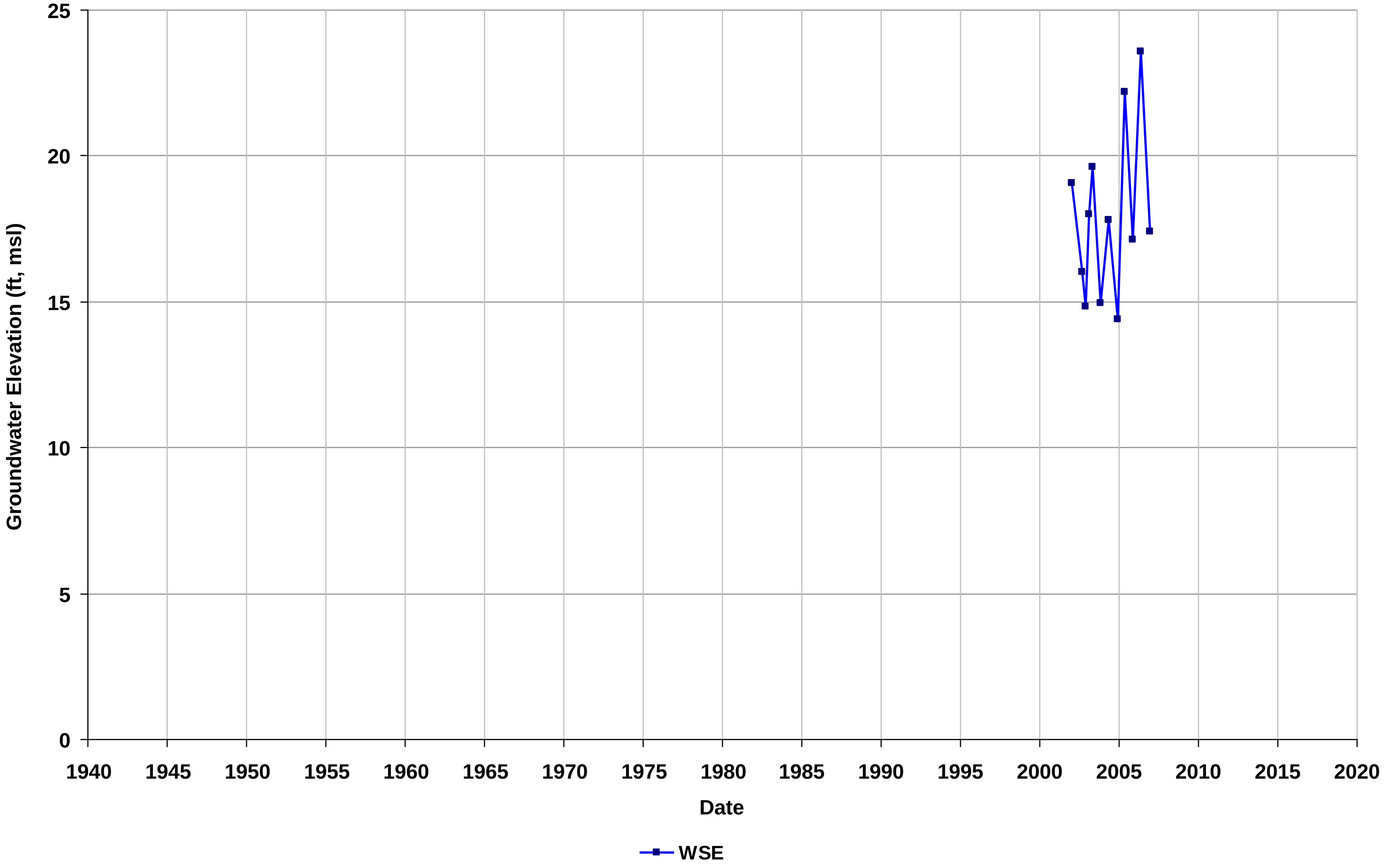
Well Name: T0600100519-MW-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/12
Well Use: Observation



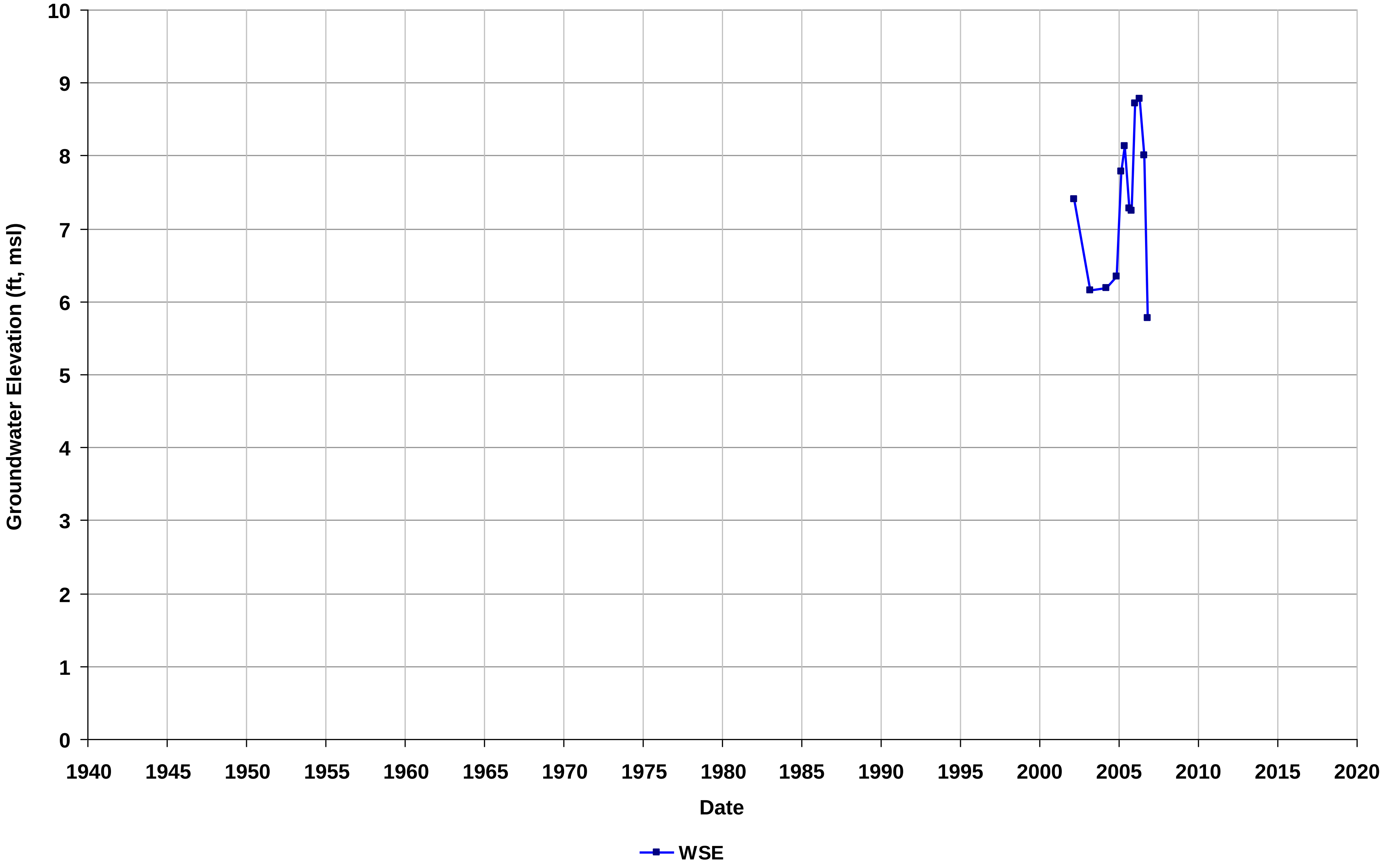
Well Name: T0600100519-MW-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/12
Well Use: Observation



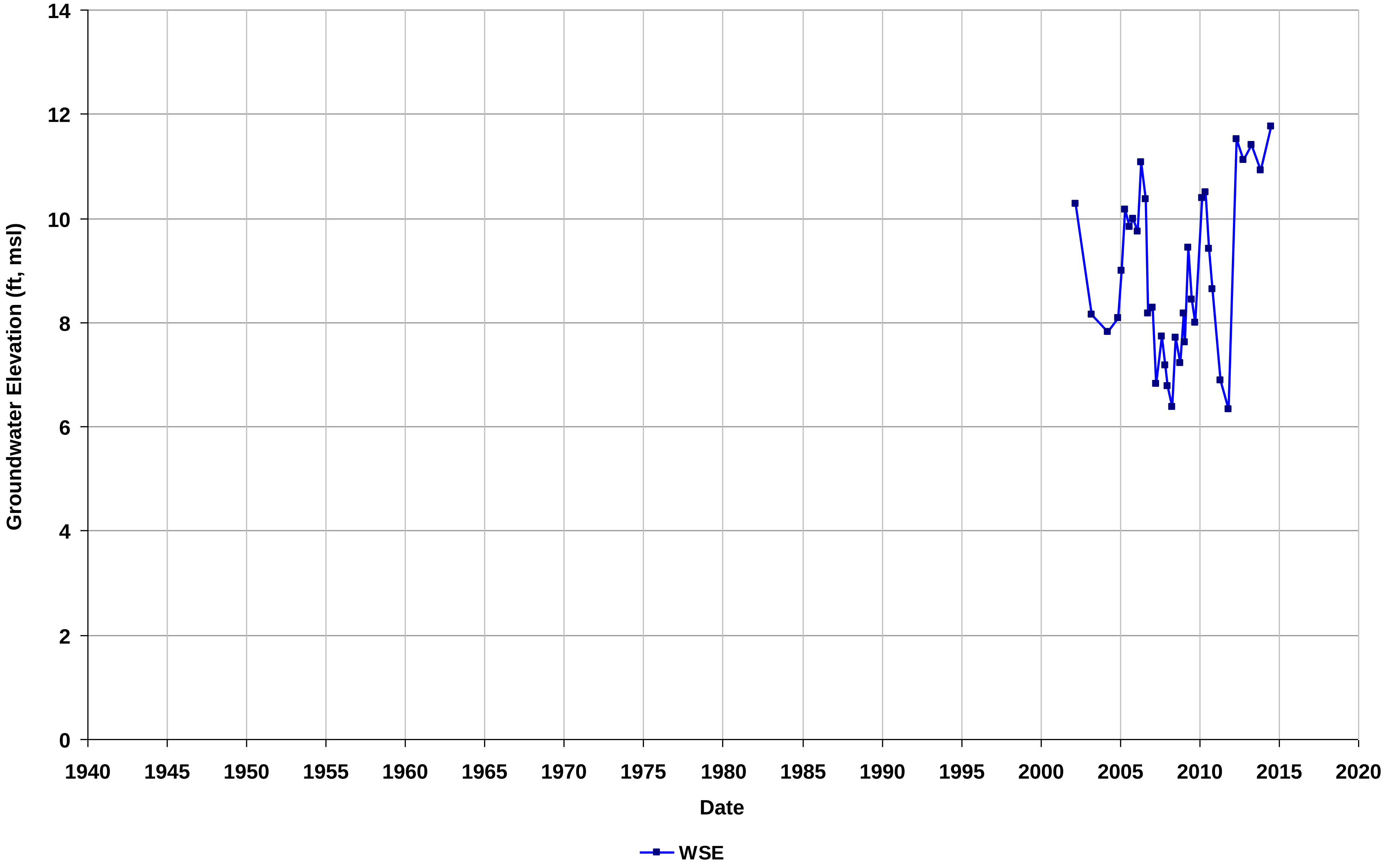
Well Name: T0600100552-MW1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



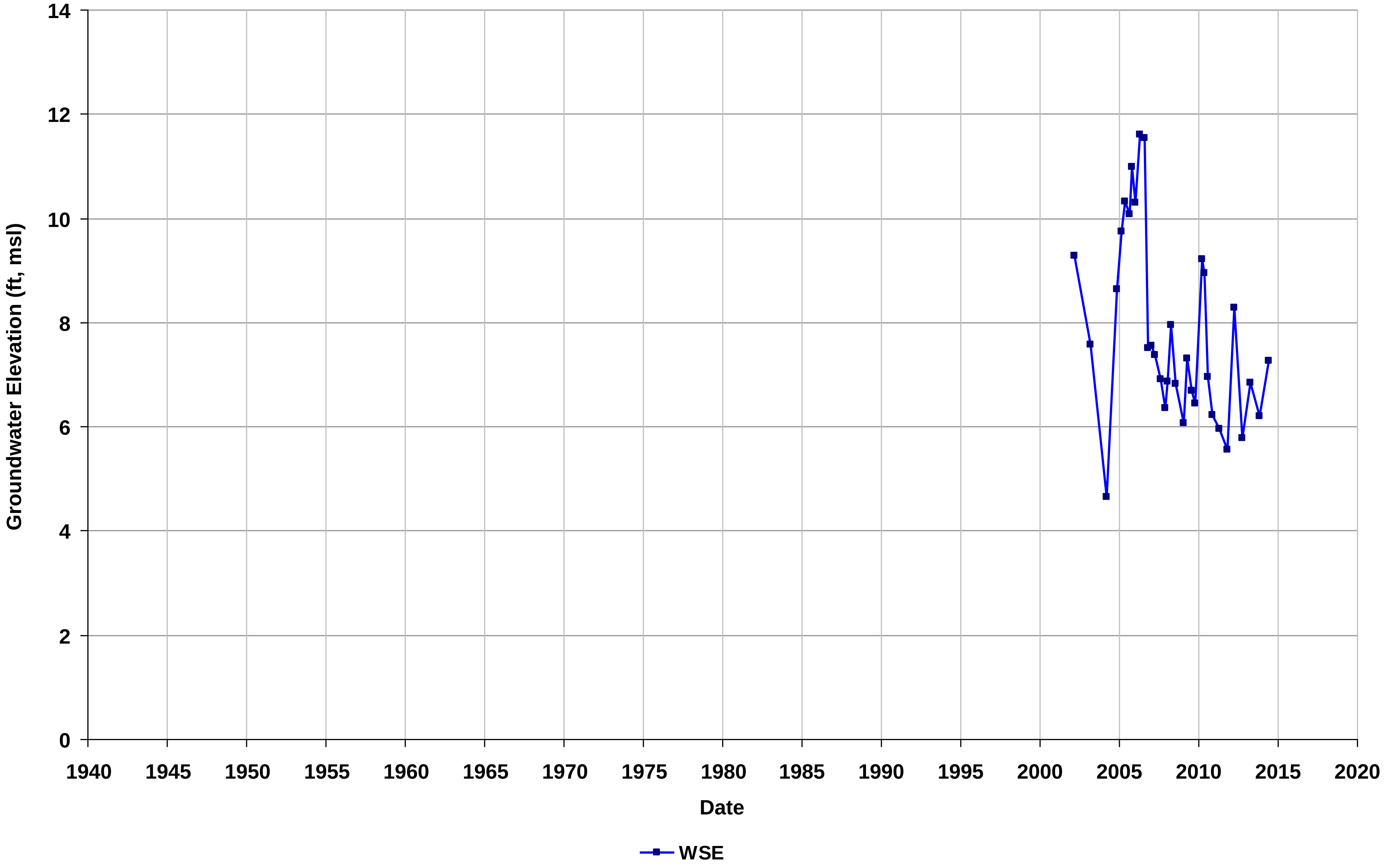
Well Name: T0600100552-MW14
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



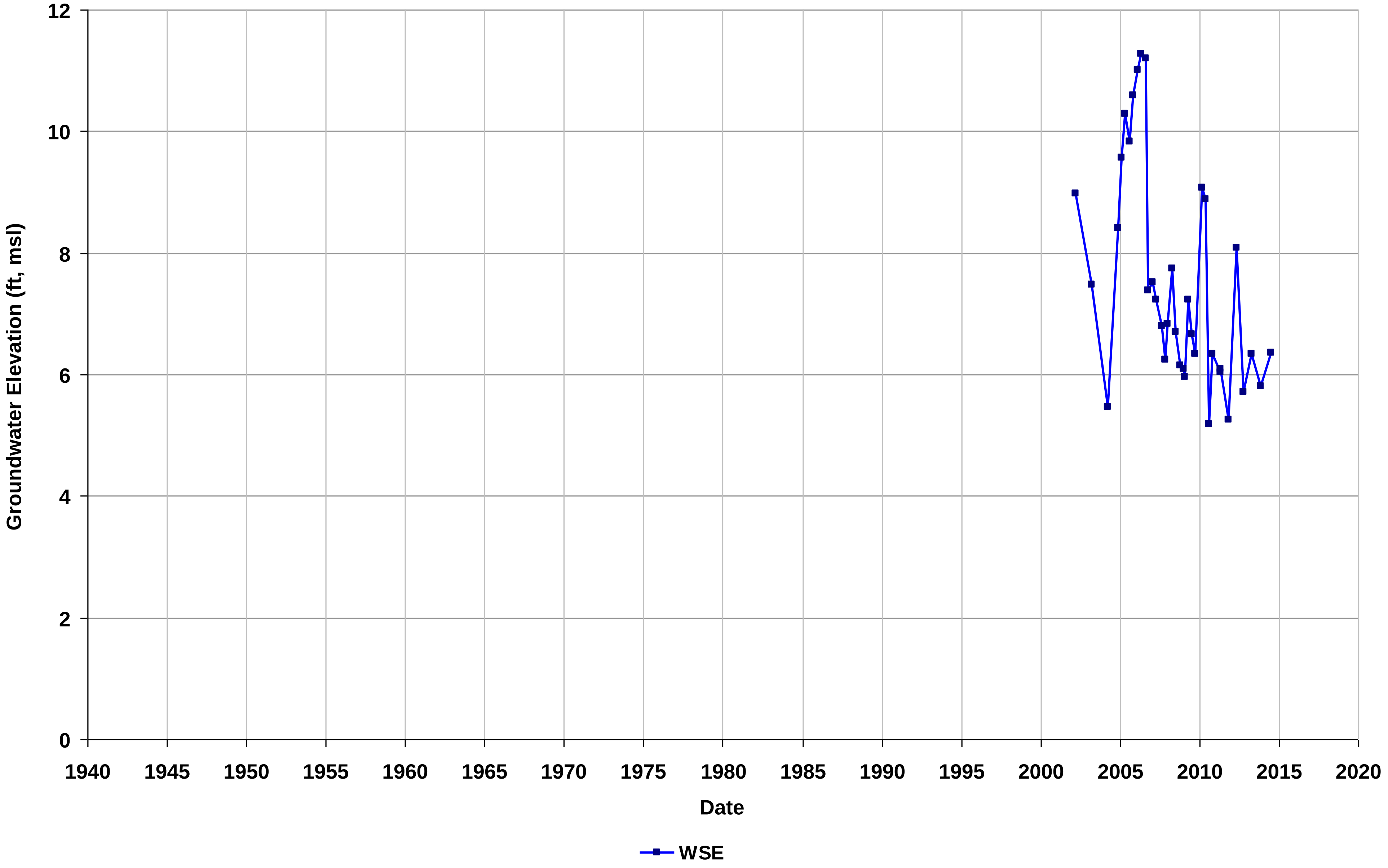
Well Name: T0600100552-MW2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



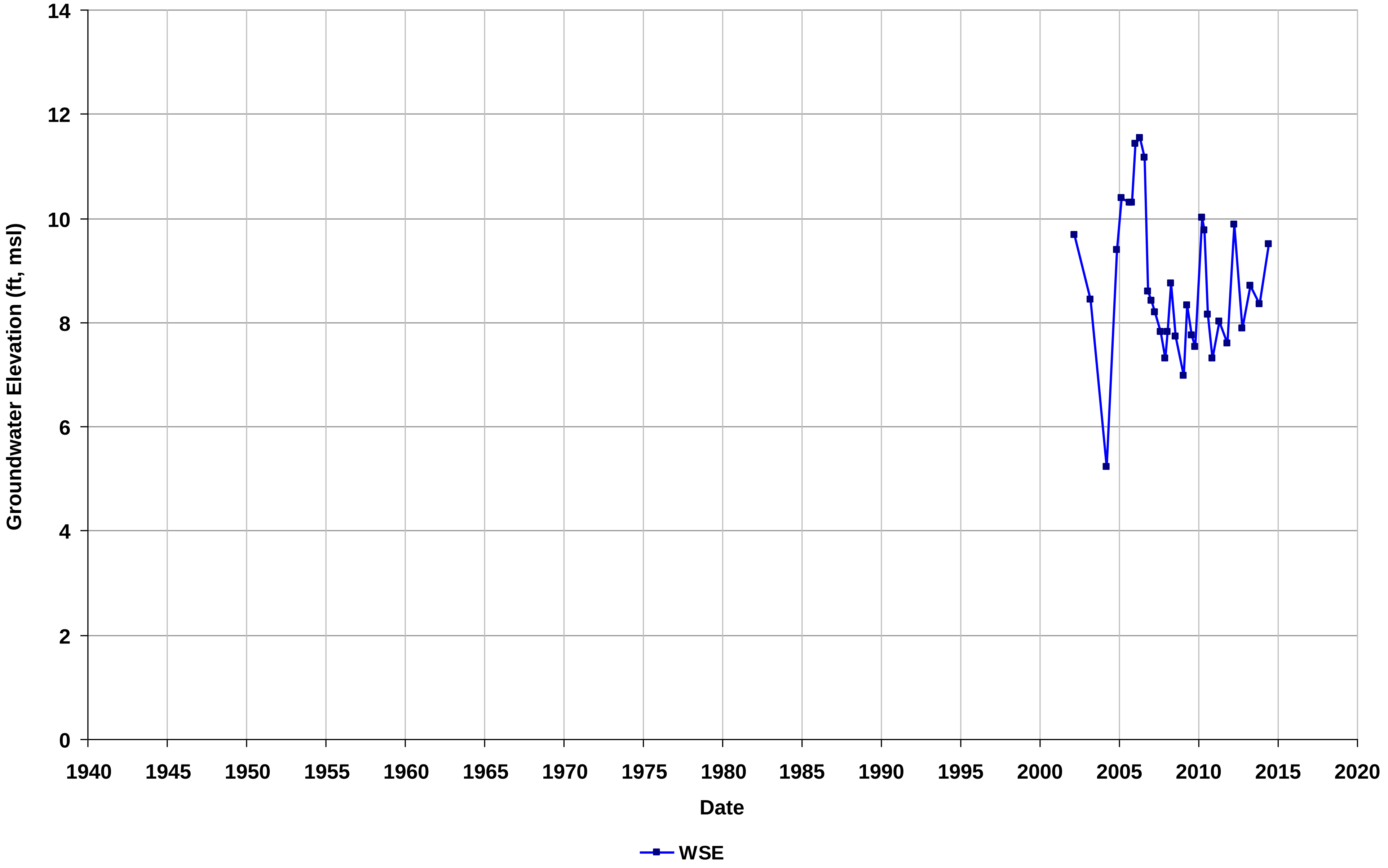
Well Name: T0600100552-MW3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



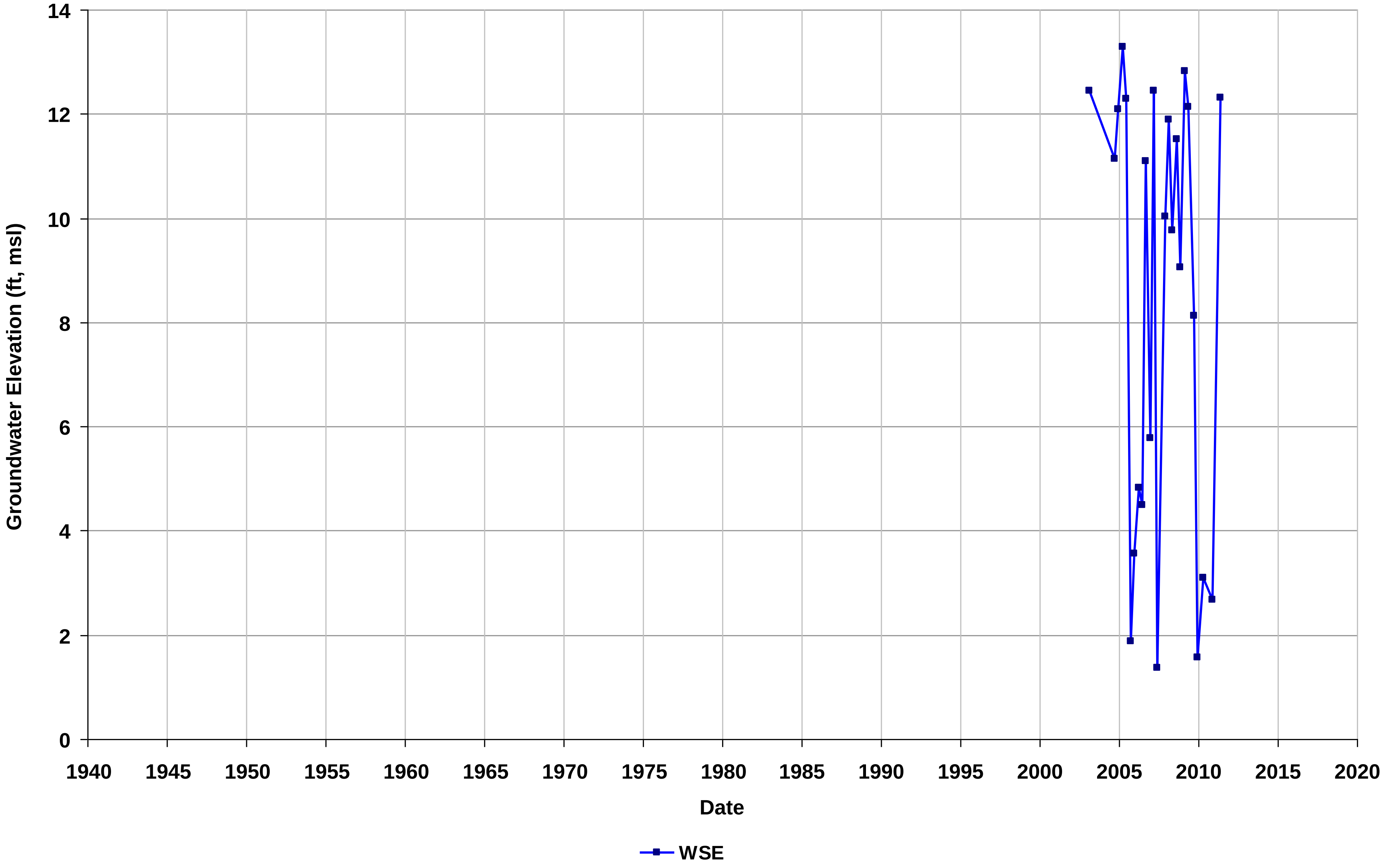
Well Name: T0600100552-MW6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



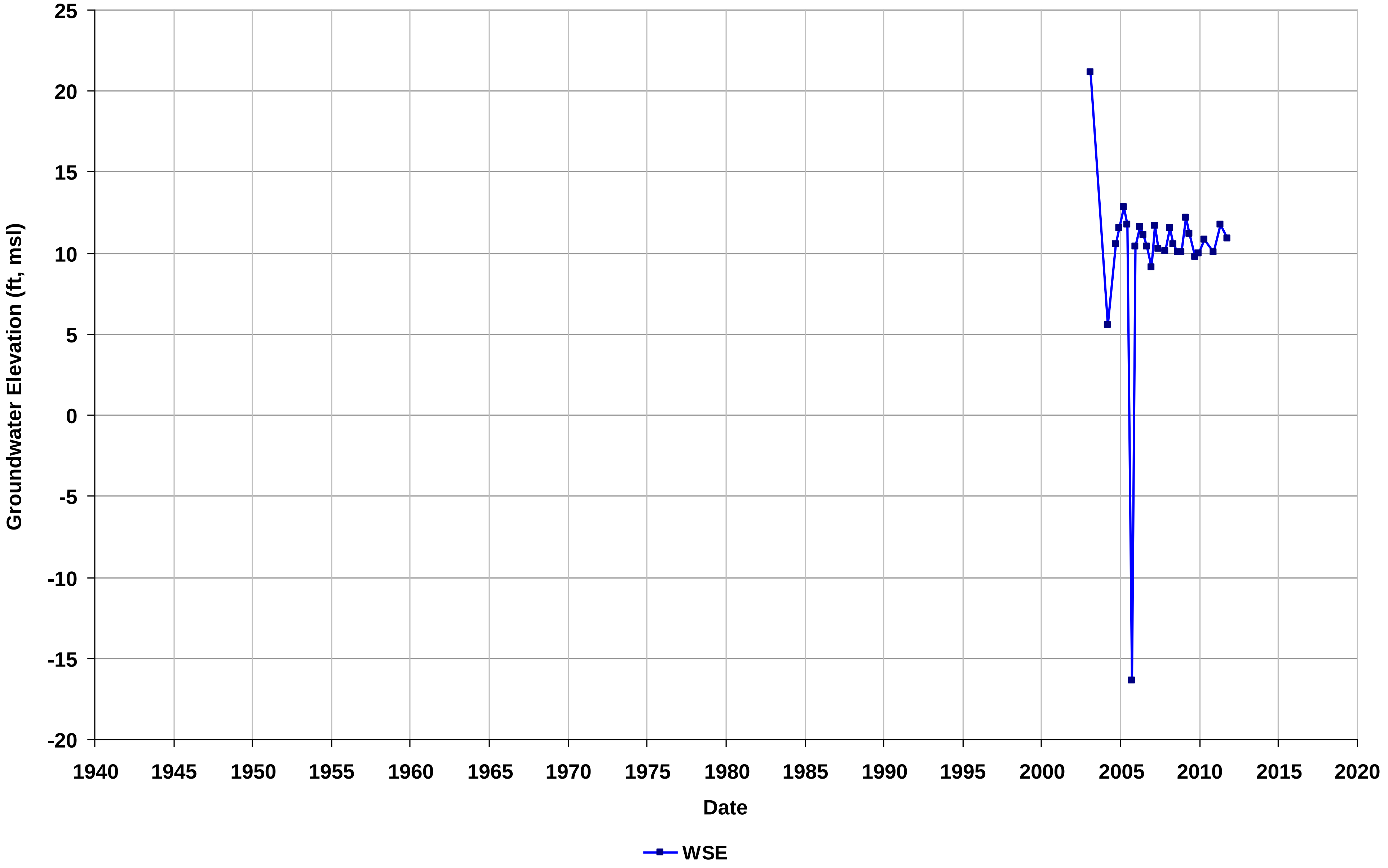
Well Name: T0600100555-EW1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/07
Well Use: Observation



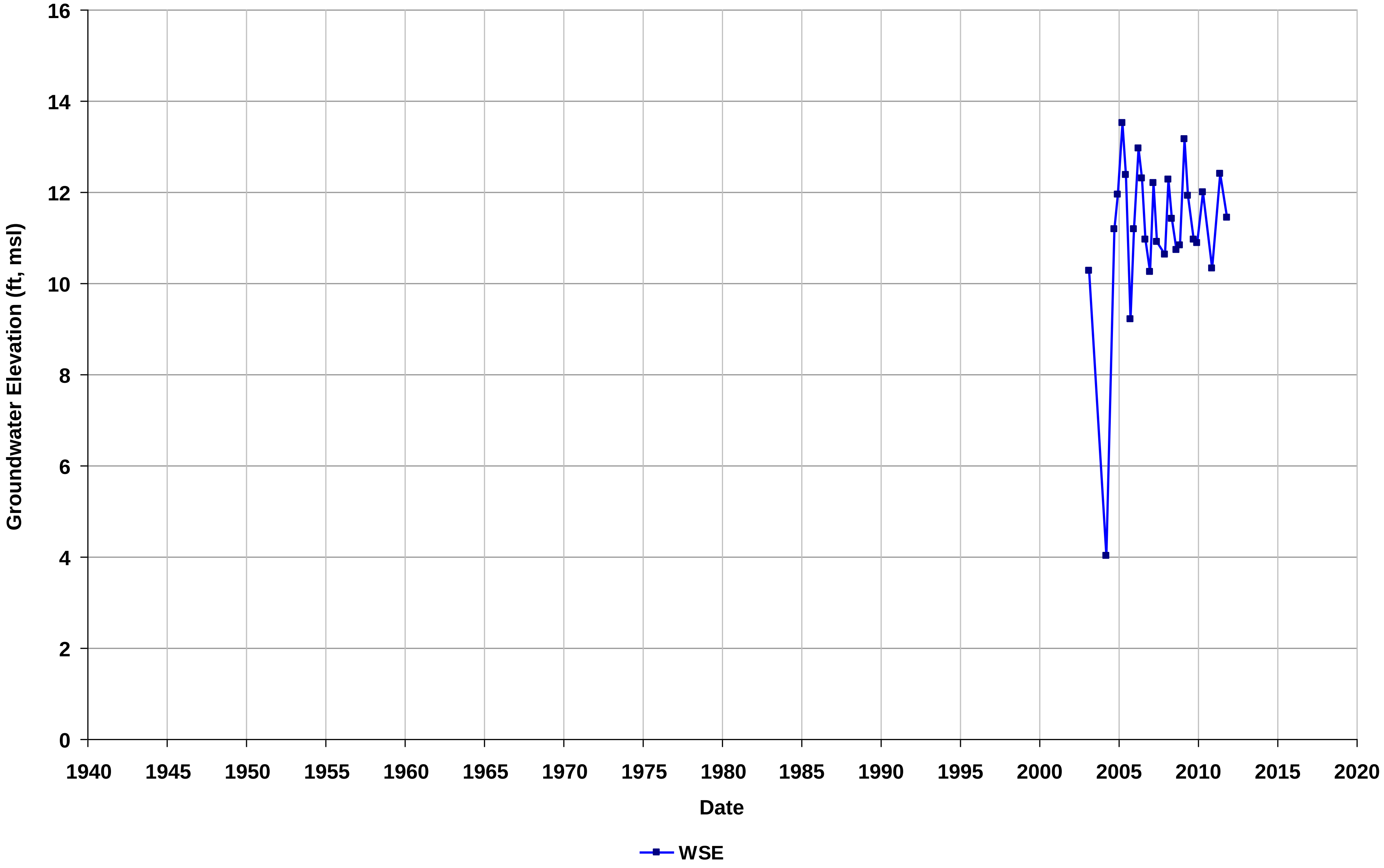
Well Name: T0600100555-EW3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/07
Well Use: Observation



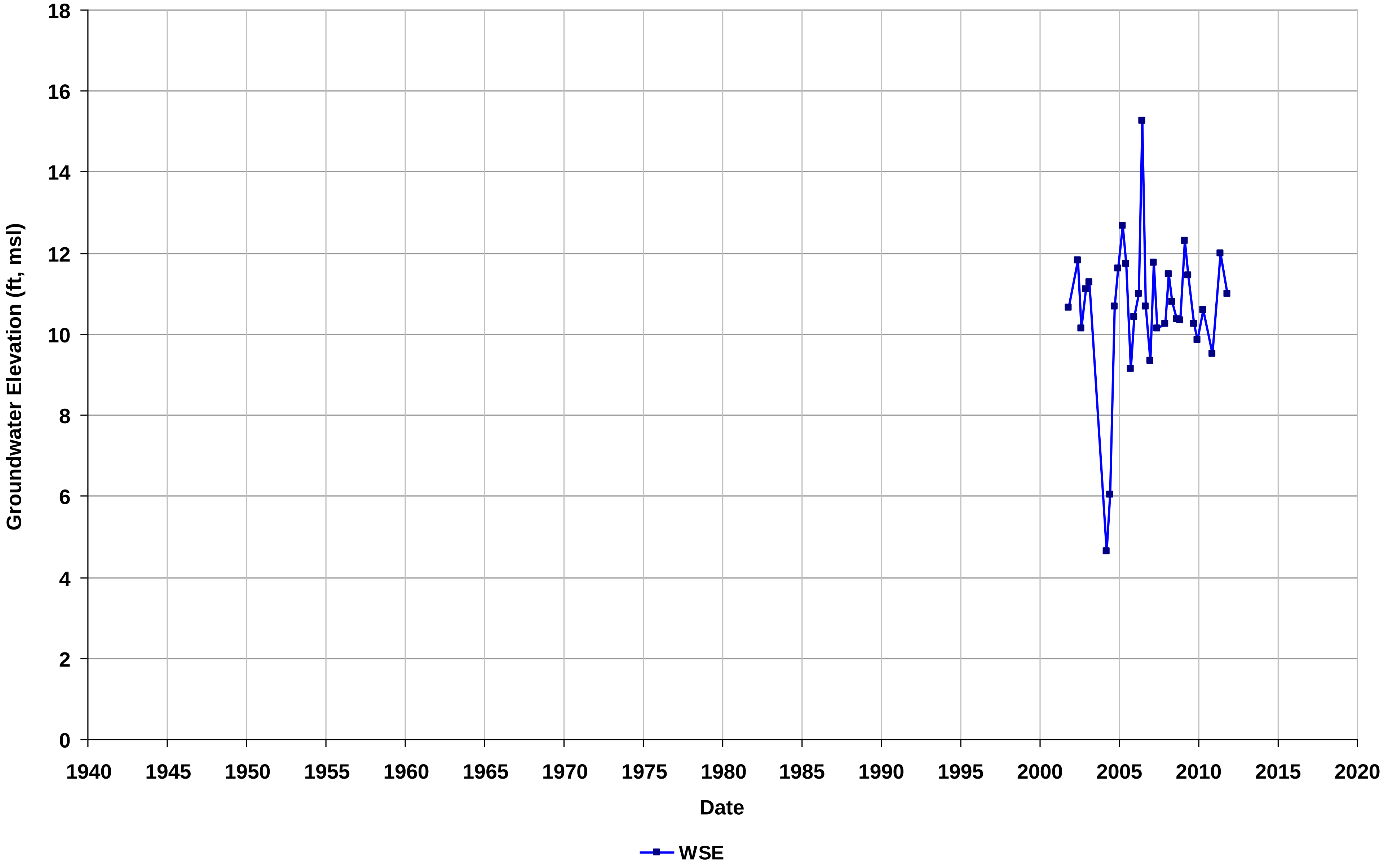
Well Name: T0600100555-EW5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/07
Well Use: Observation



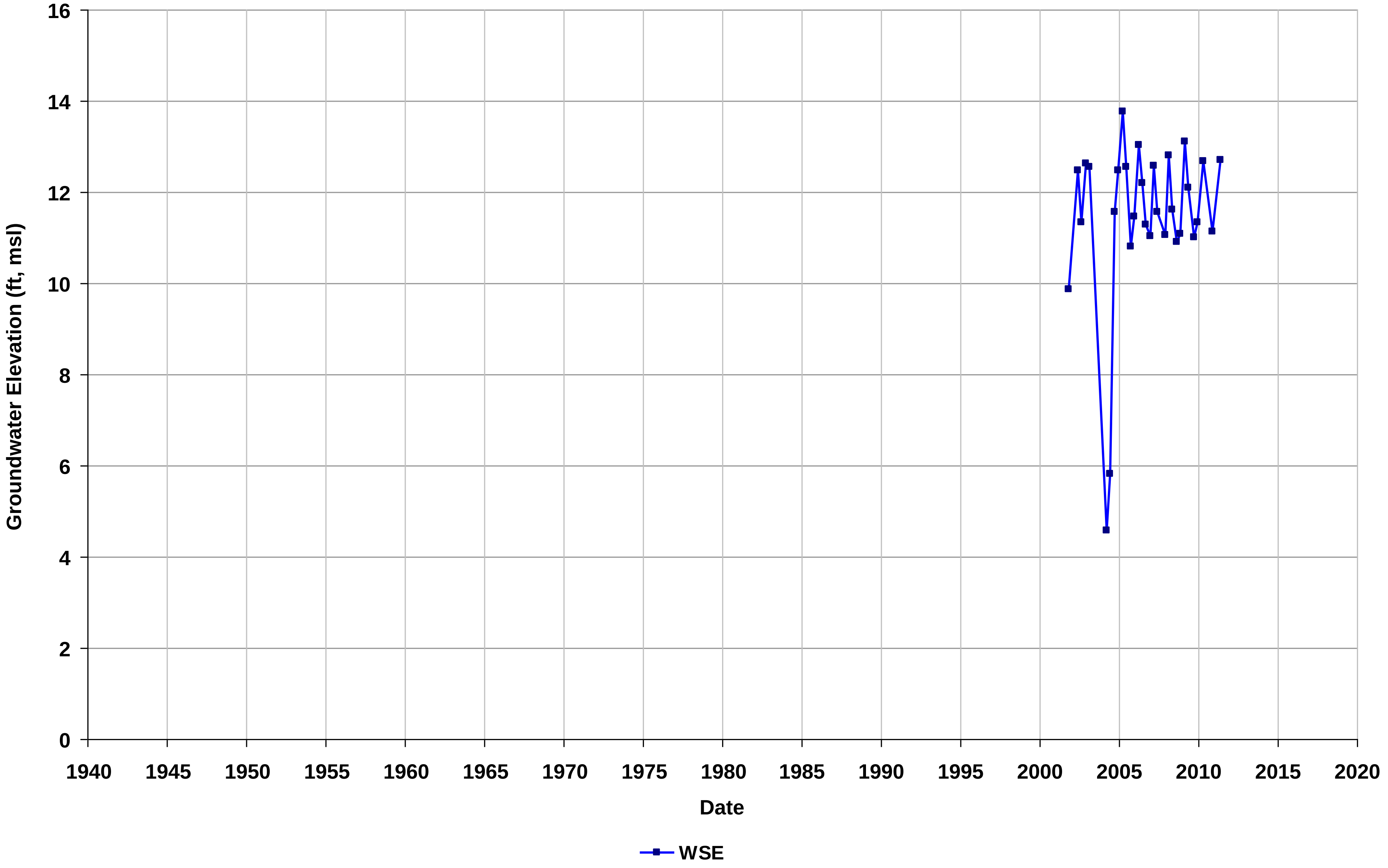
Well Name: T0600100555-MW1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/07
Well Use: Observation



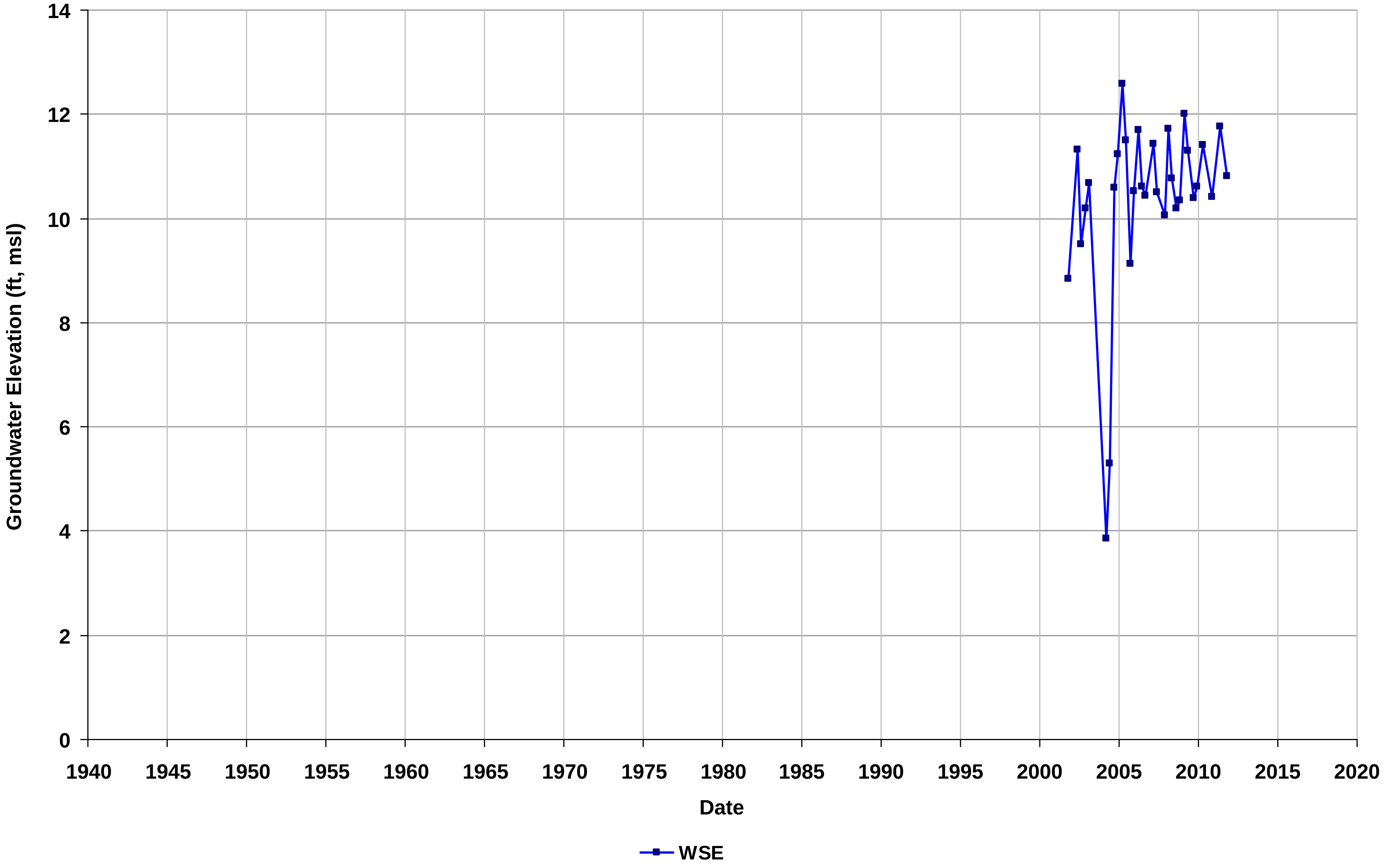
Well Name: T0600100555-MW11
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/07
Well Use: Observation



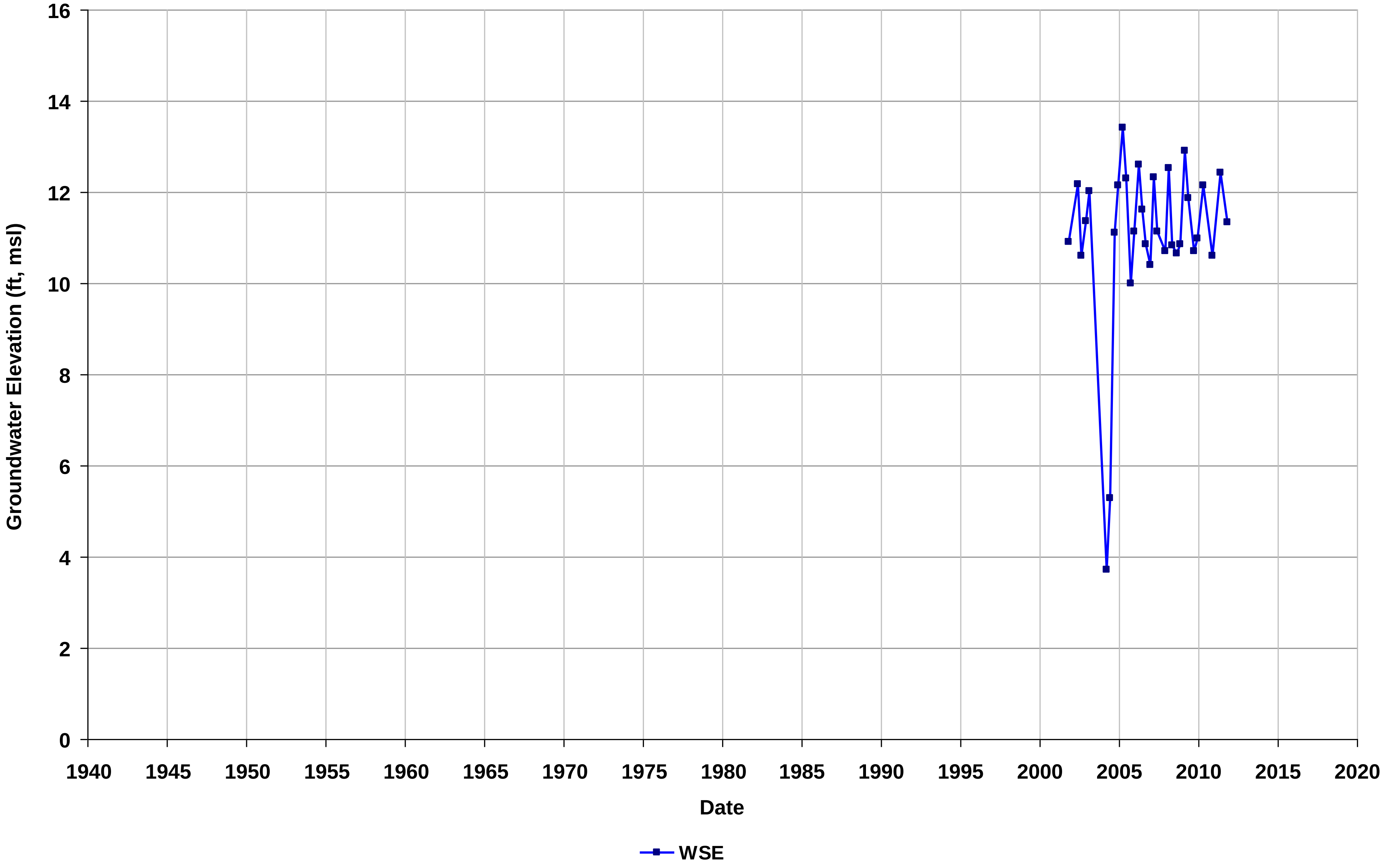
Well Name: T0600100555-MW2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/07
Well Use: Observation



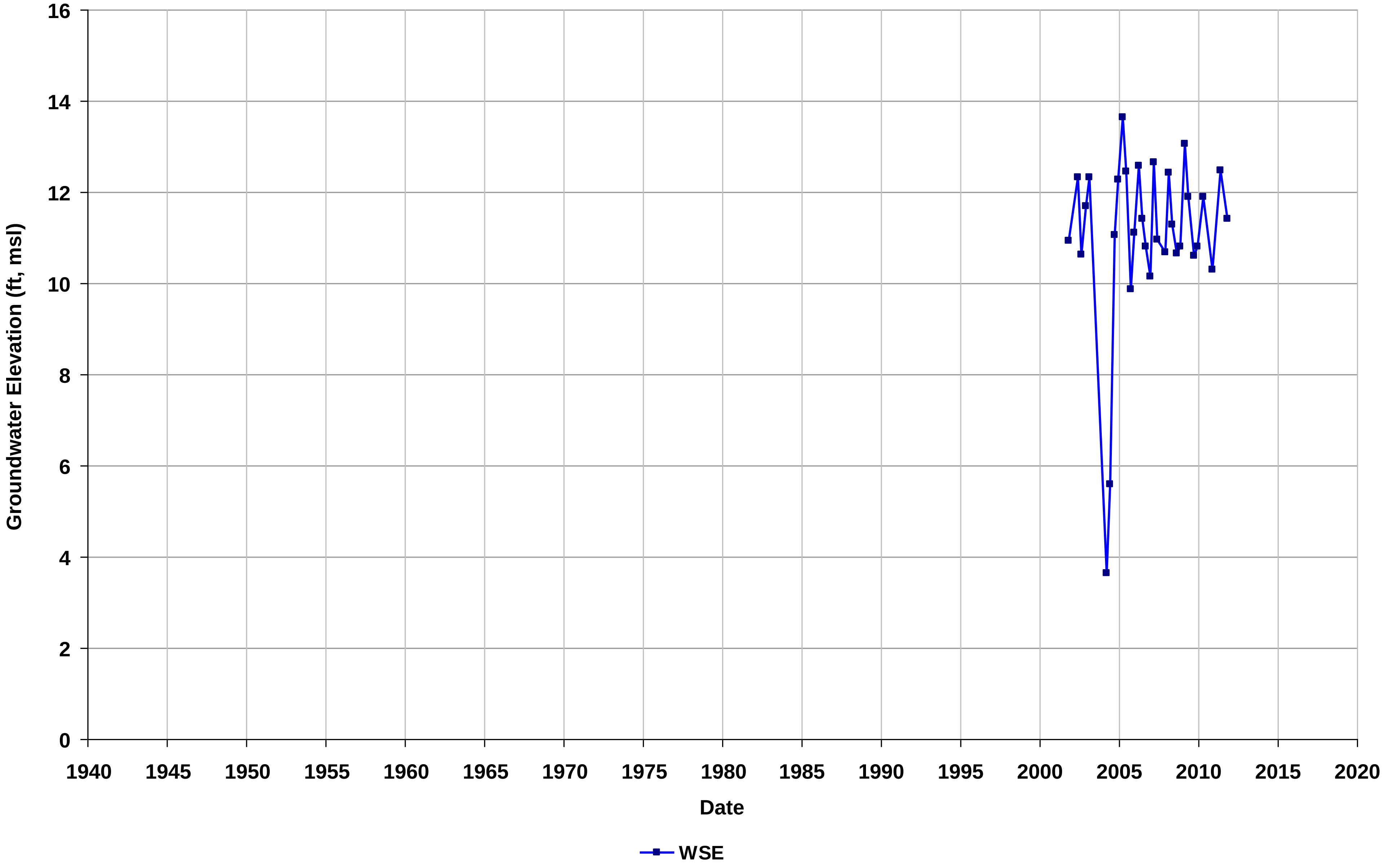
Well Name: T0600100555-MW3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/07
Well Use: Observation



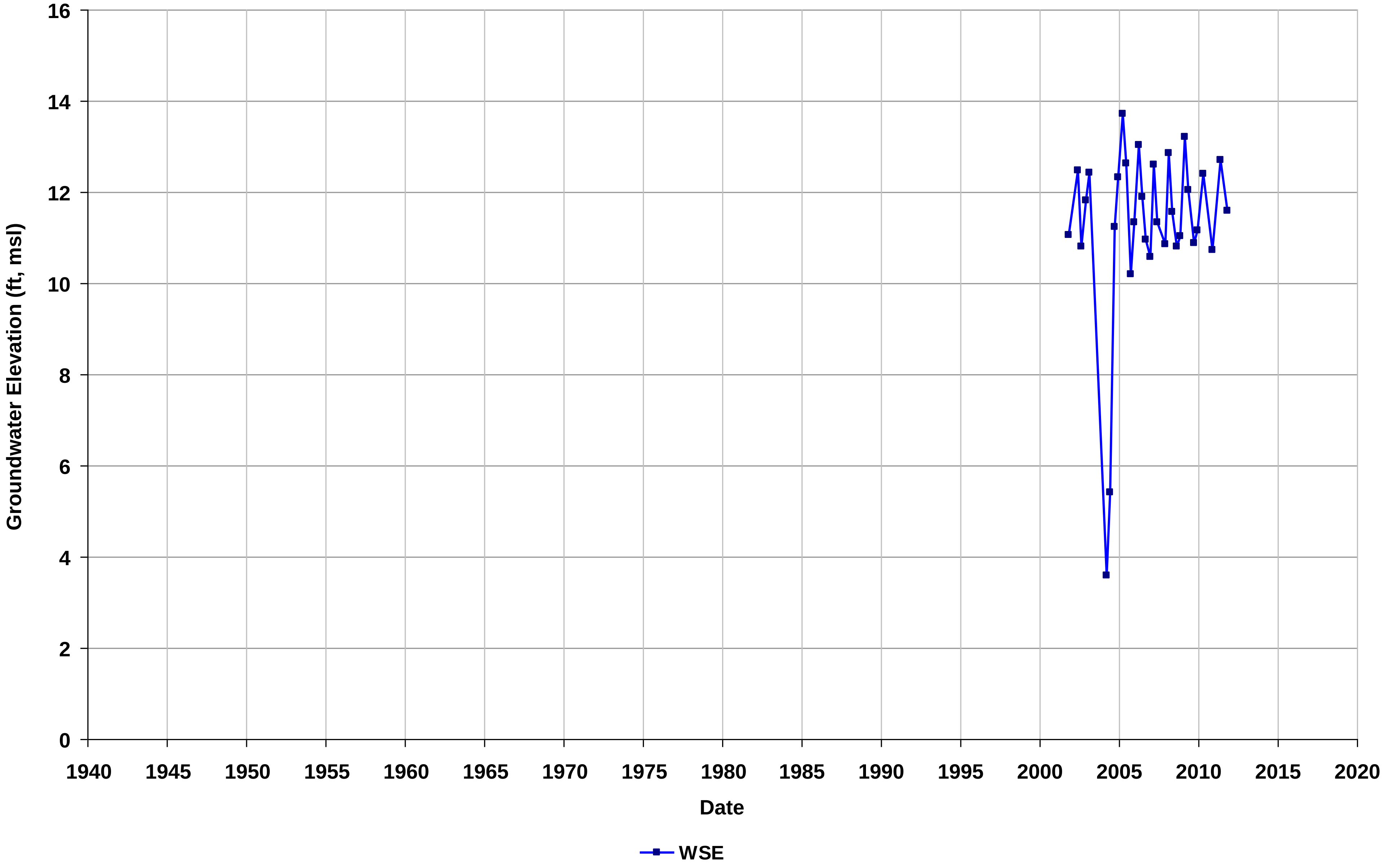
Well Name: T0600100555-MW4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/07
Well Use: Observation



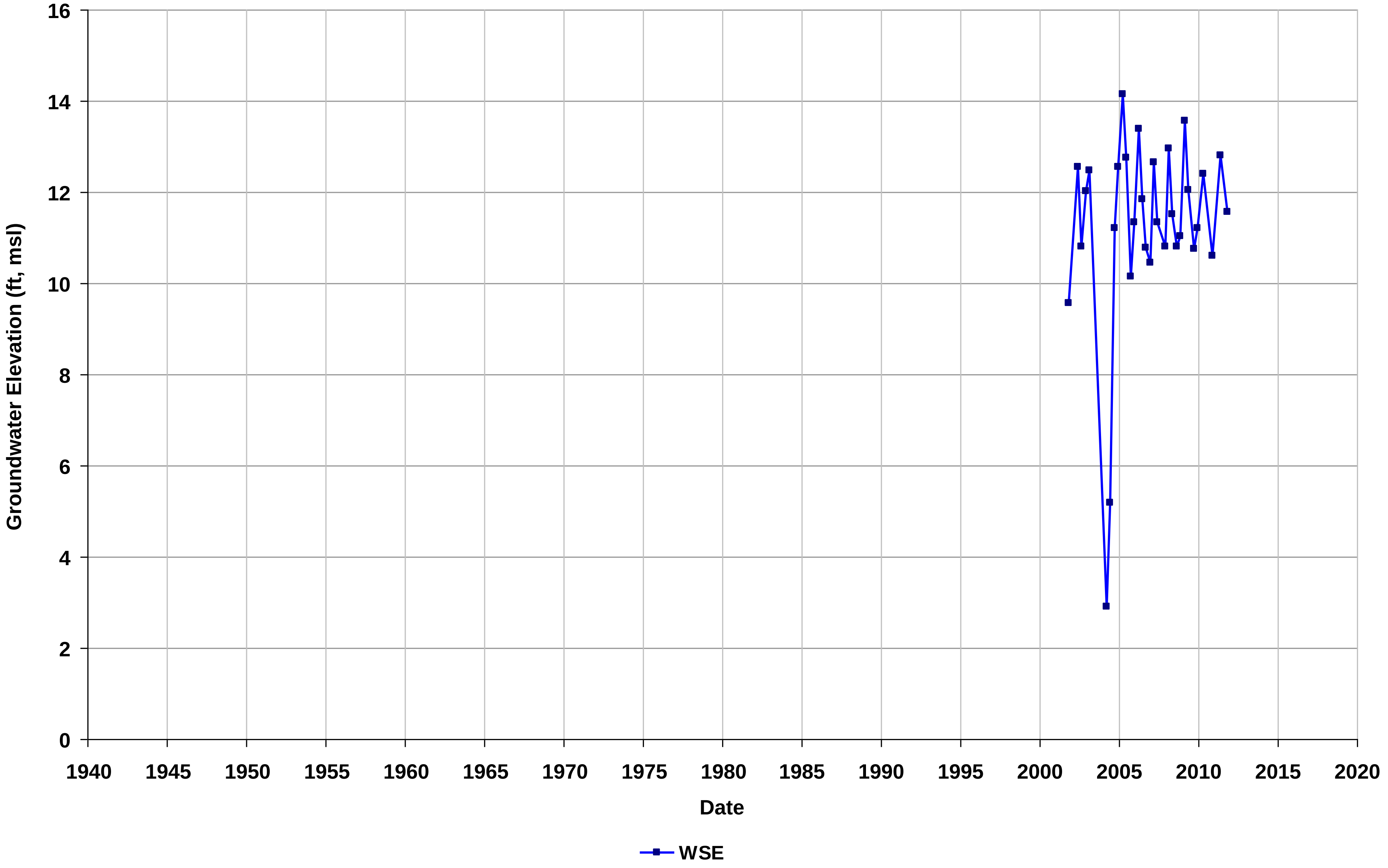
Well Name: T0600100555-MW6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/07
Well Use: Observation



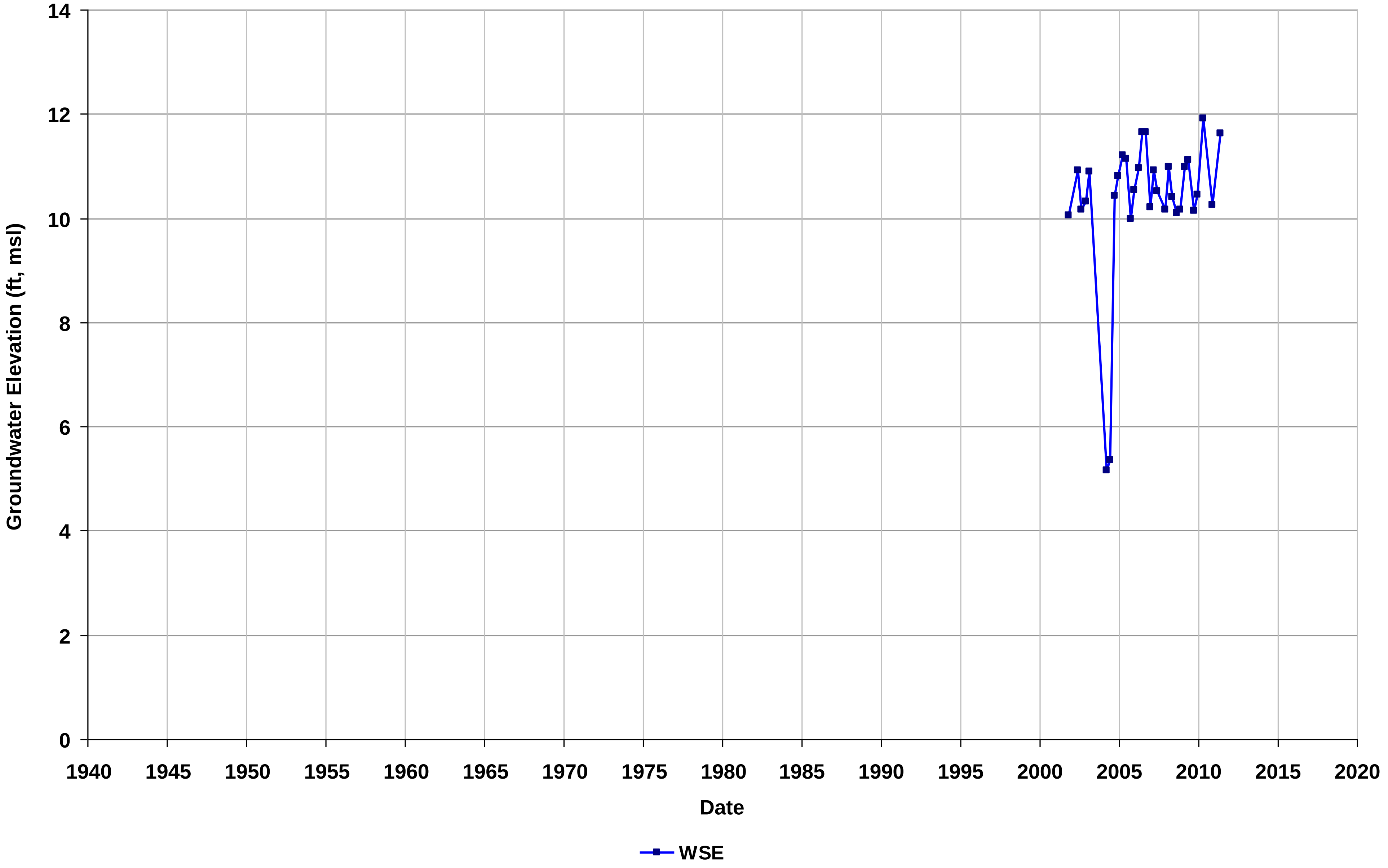
Well Name: T0600100555-MW7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/07
Well Use: Observation



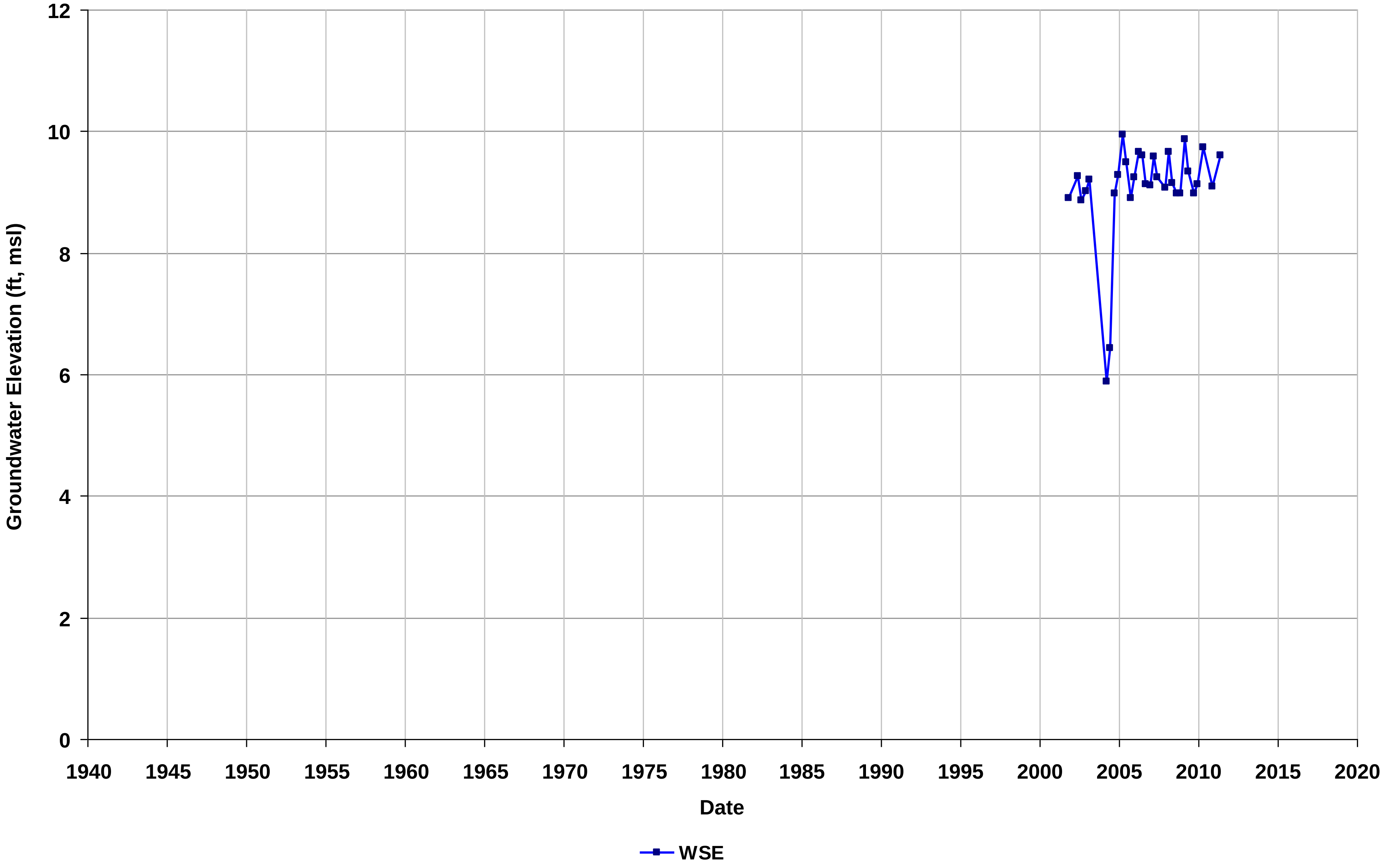
Well Name: T0600100555-MW8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/07
Well Use: Observation



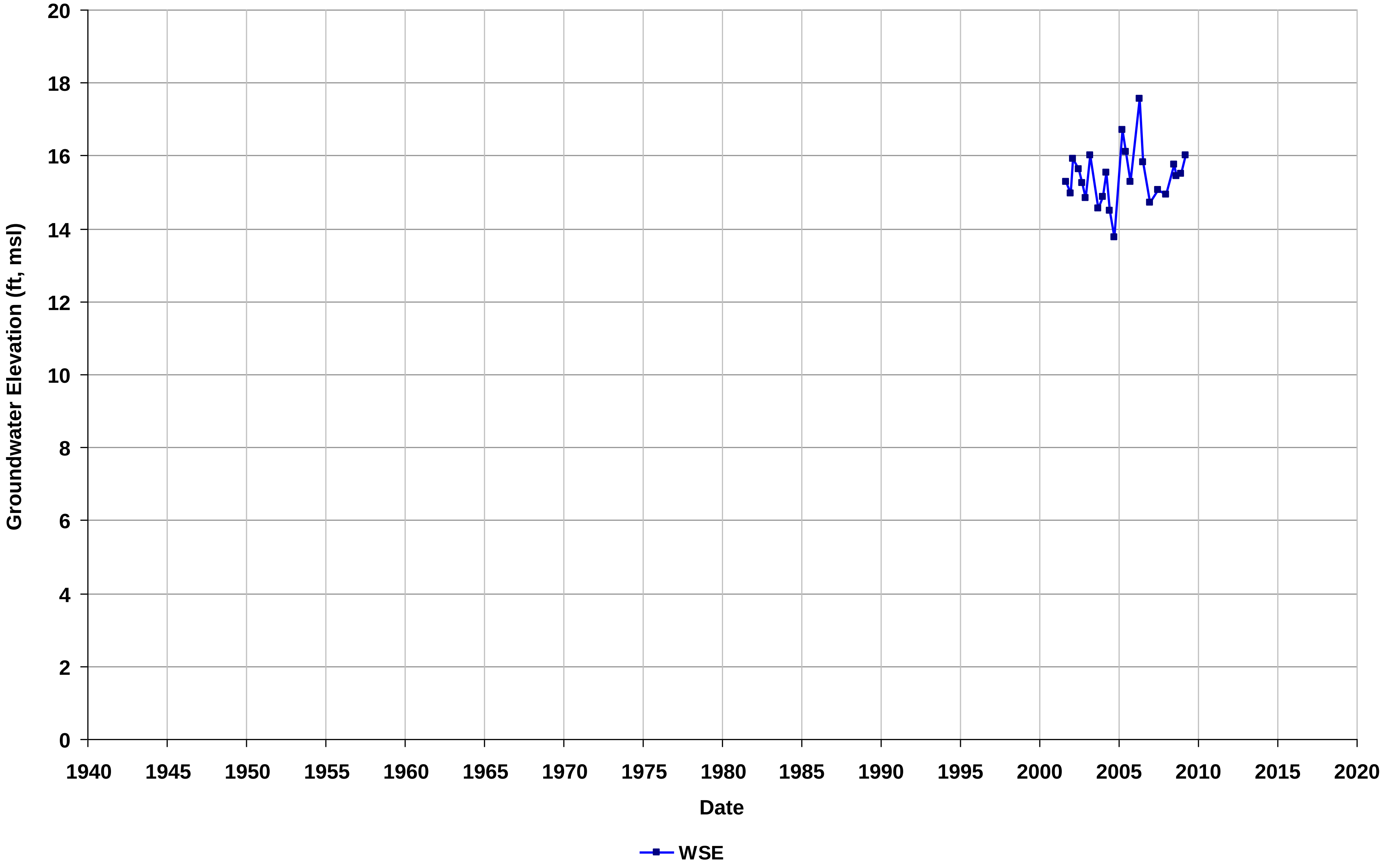
Well Name: T0600100555-MW9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/07
Well Use: Observation



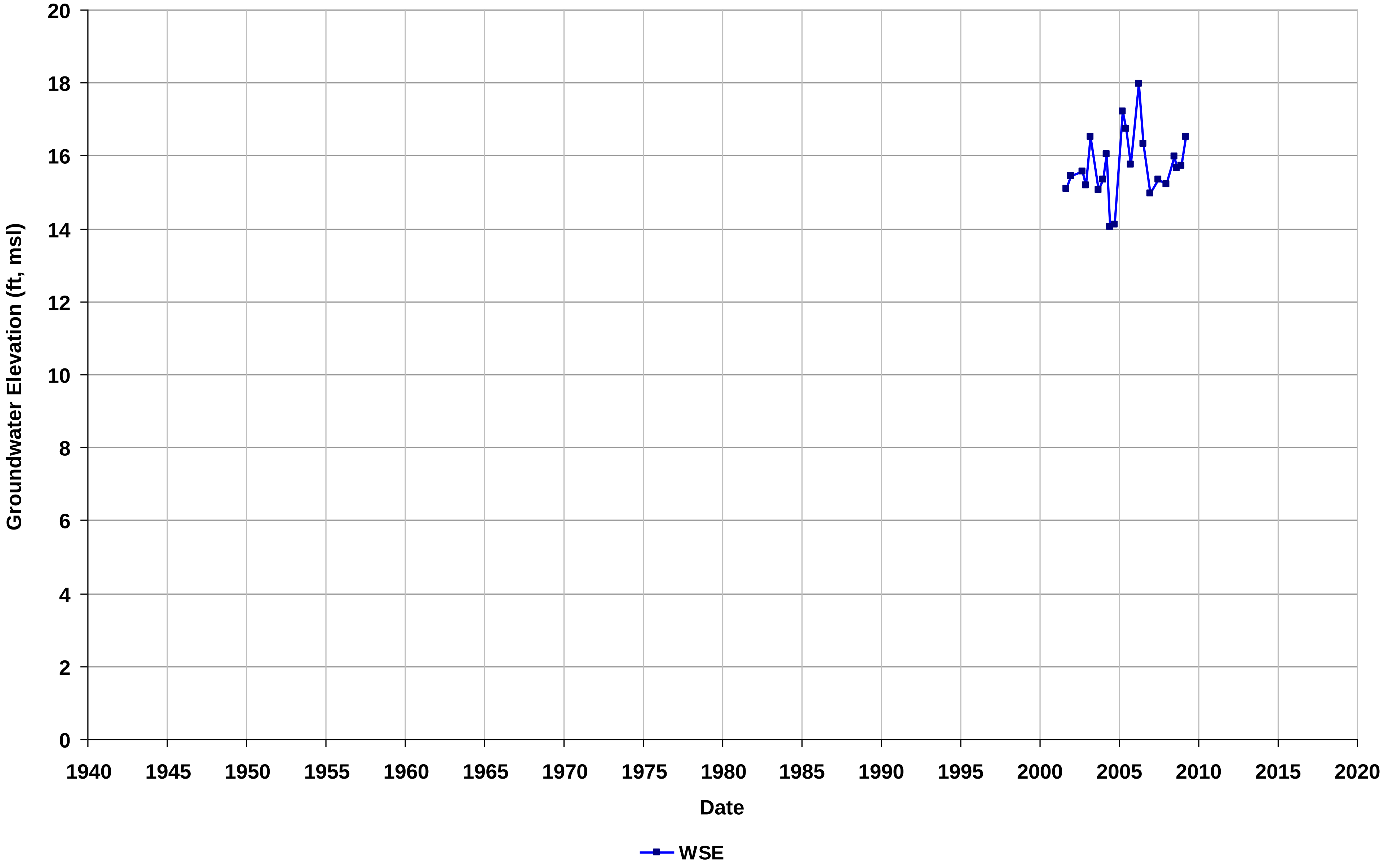
Well Name: T0600100596-CET-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



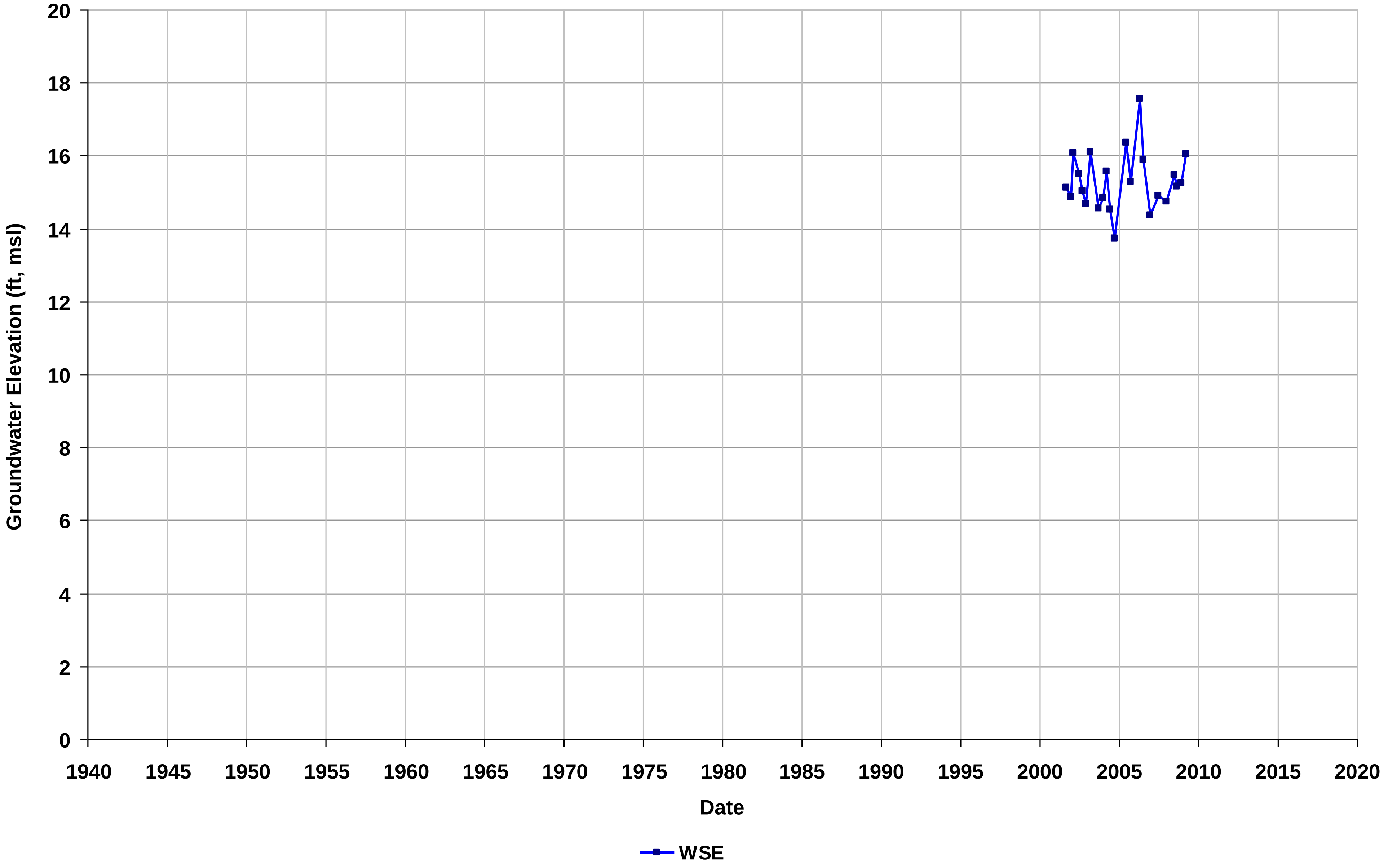
Well Name: T0600100596-MW-10
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



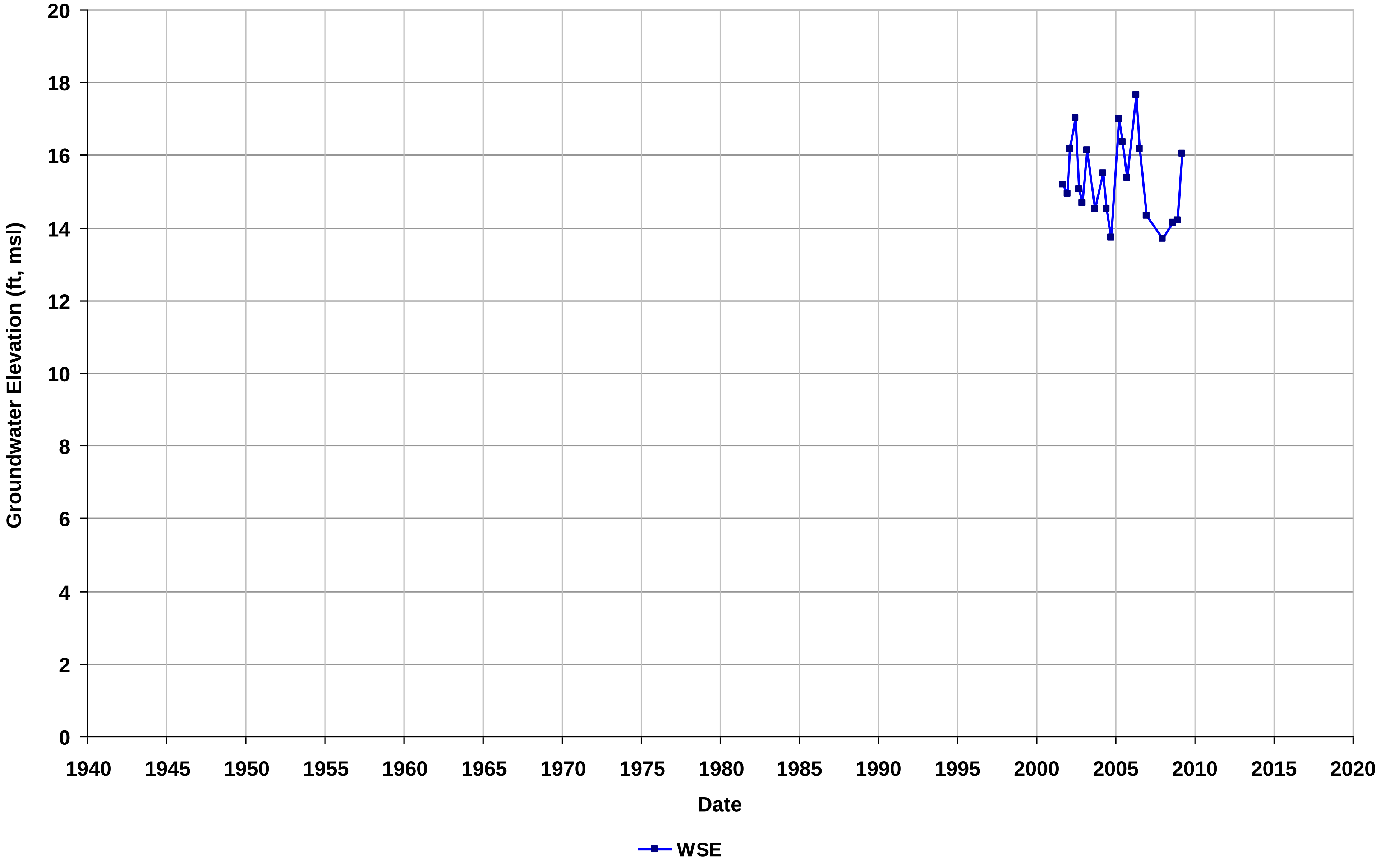
Well Name: T0600100596-MW-12
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



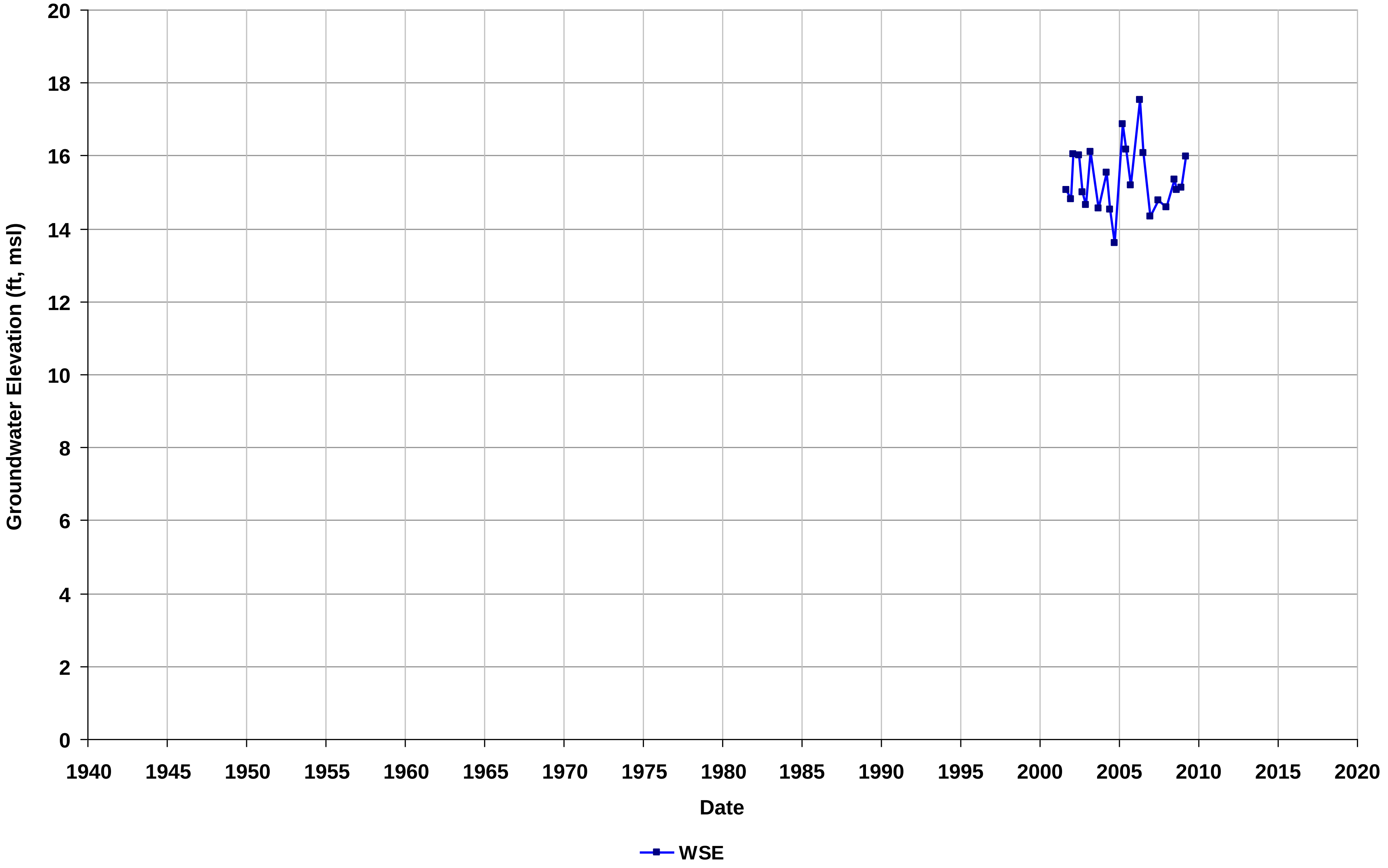
Well Name: T0600100596-MW-14
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



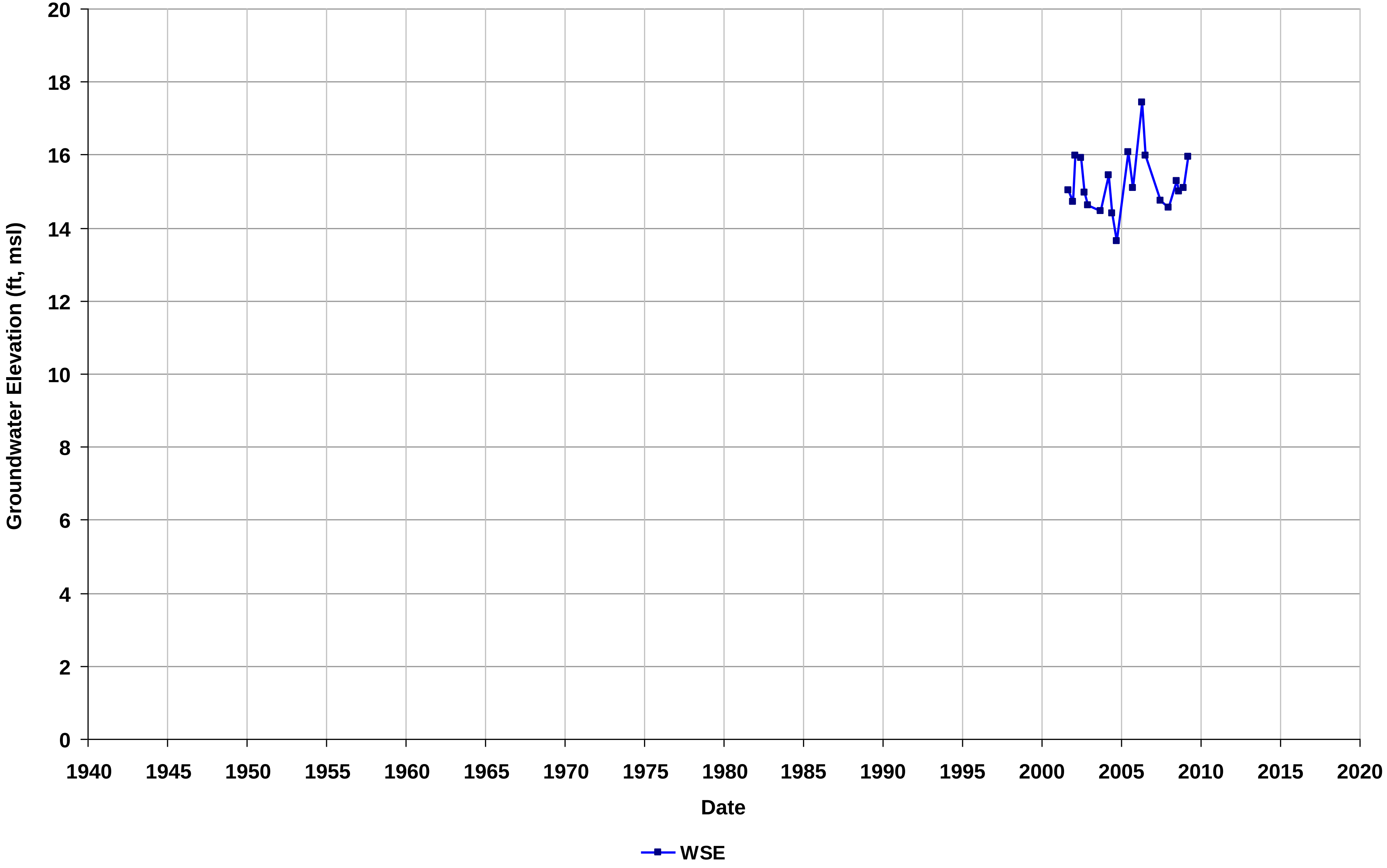
Well Name: T0600100596-MW-15
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



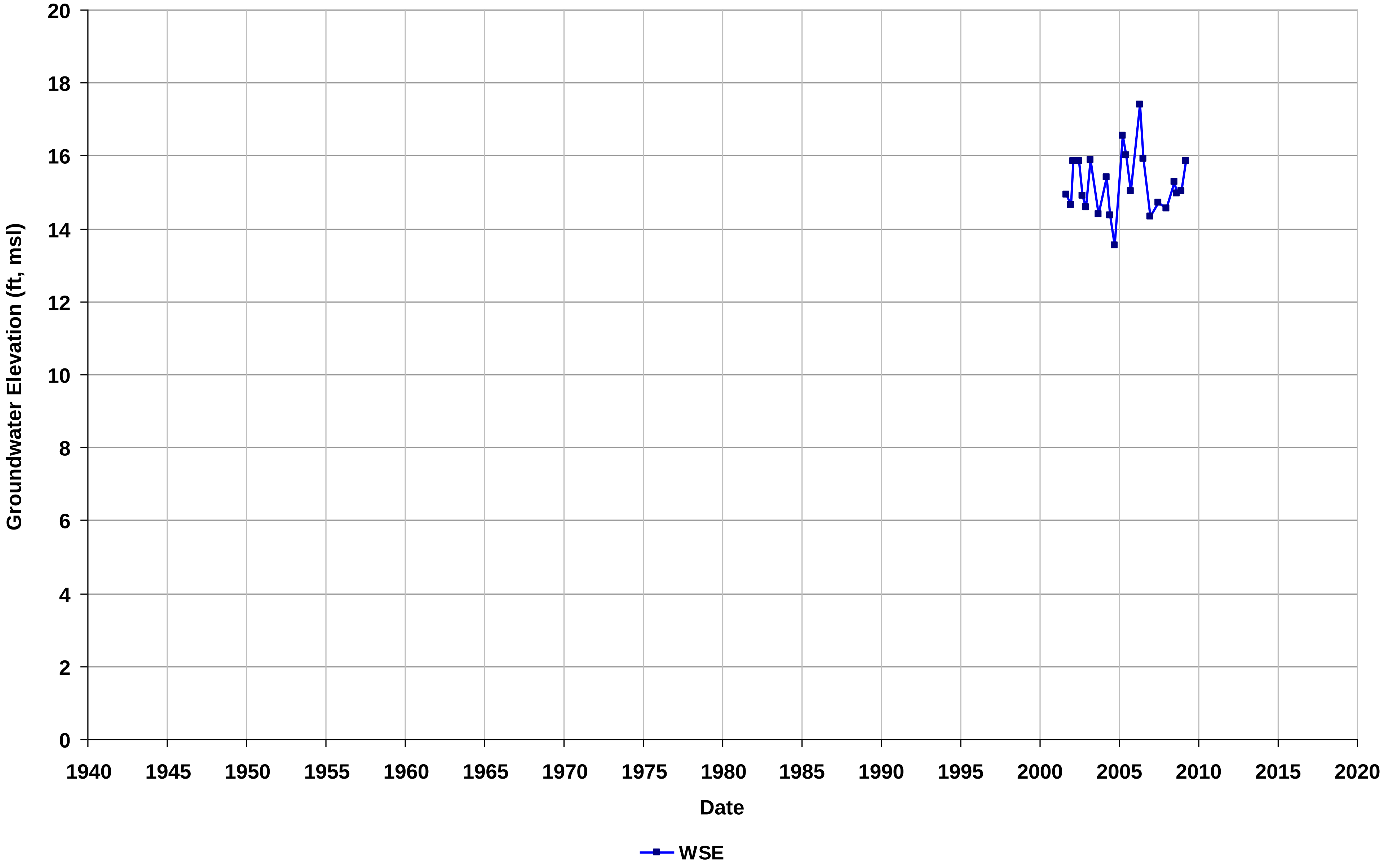
Well Name: T0600100596-MW-16
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



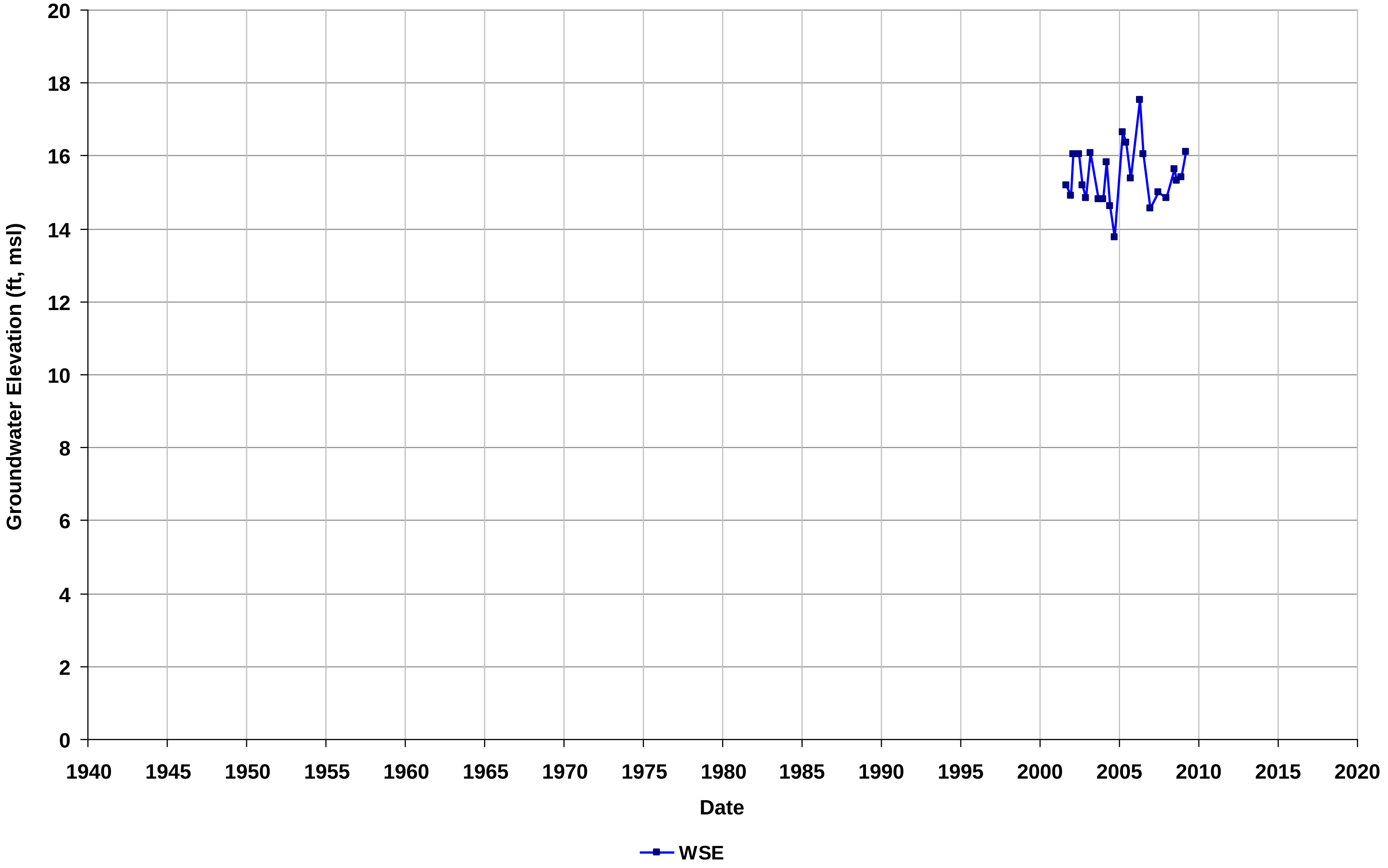
Well Name: T0600100596-MW-17
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



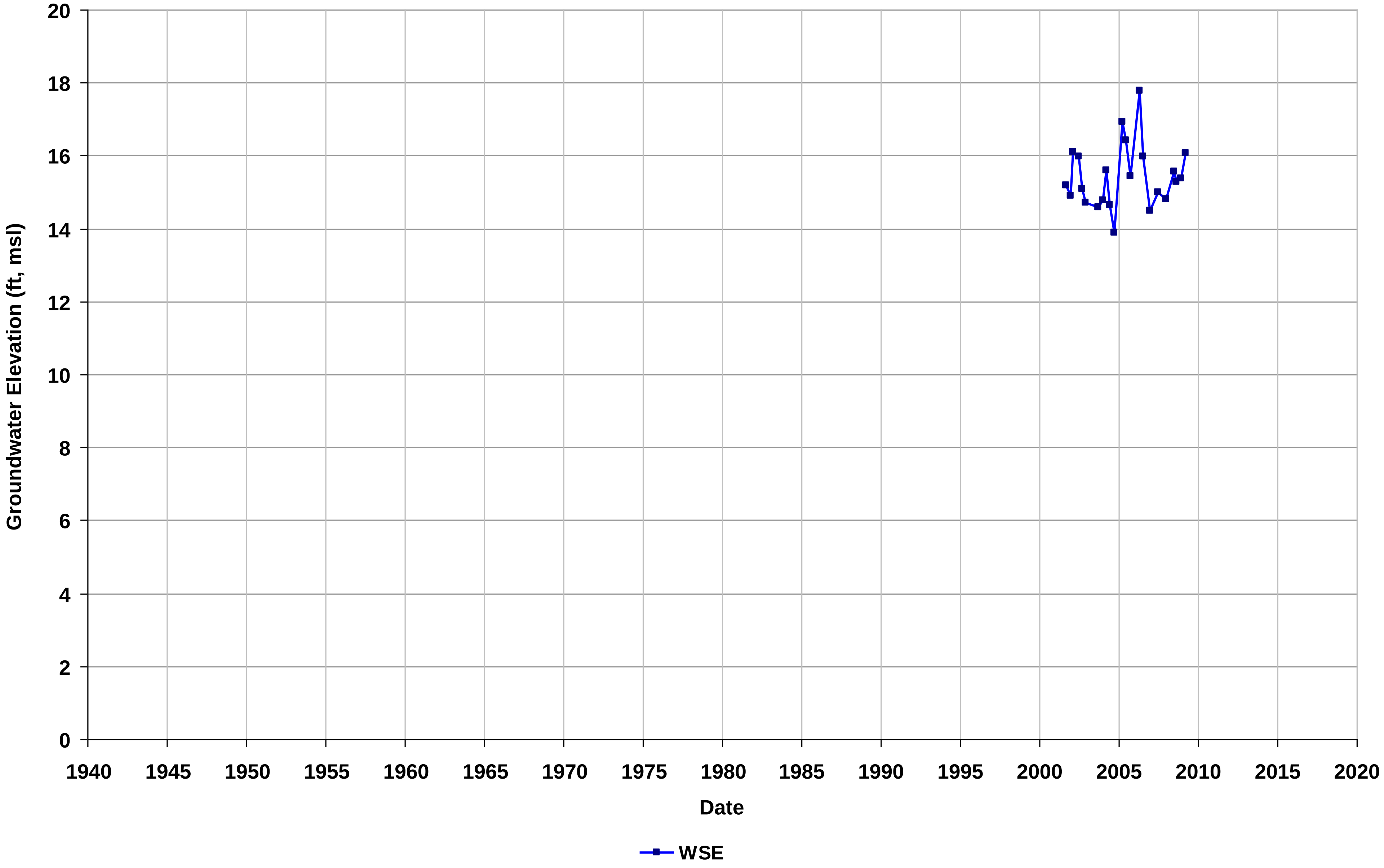
Well Name: T0600100596-MW-18
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



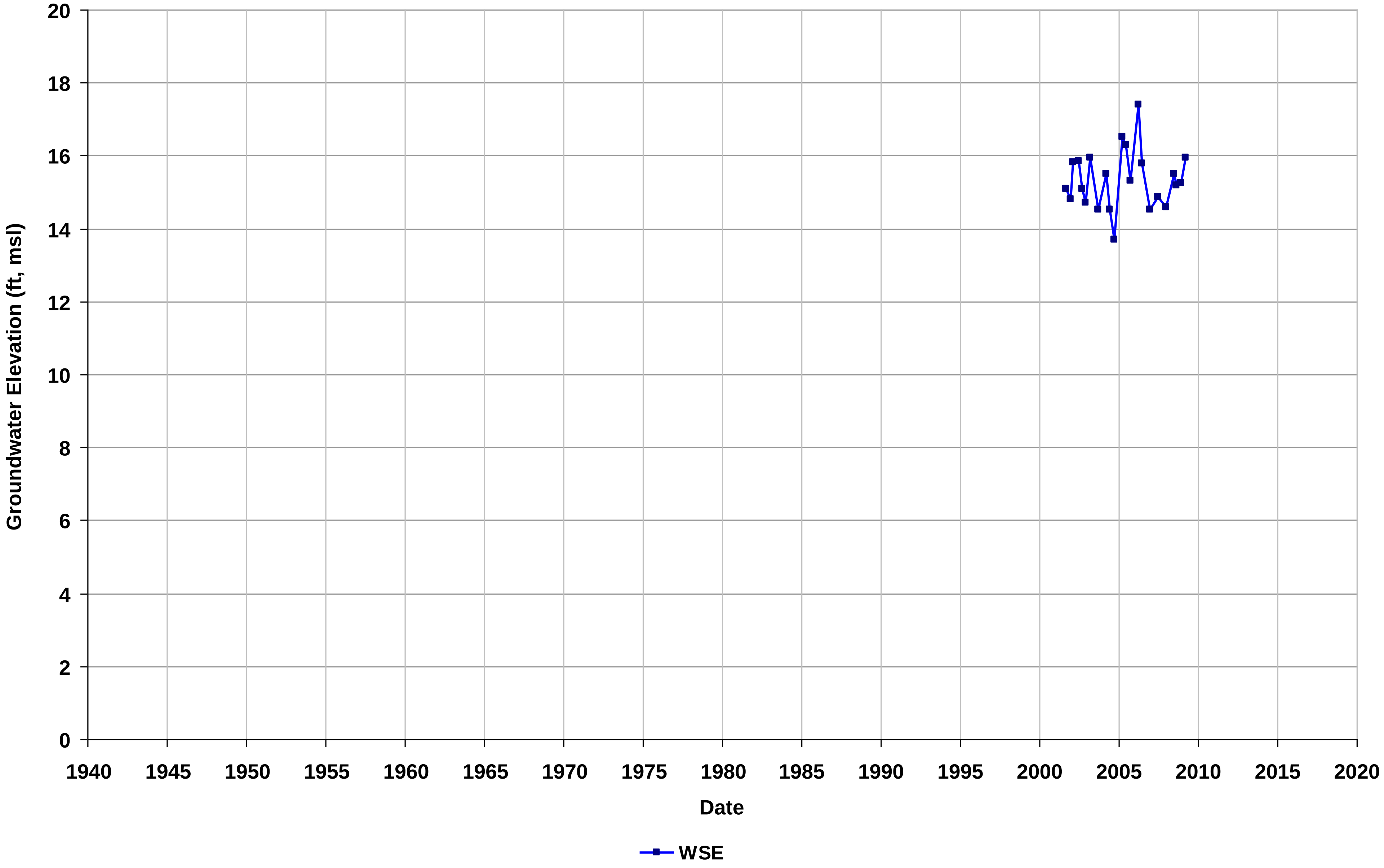
Well Name: T0600100596-MW-19
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



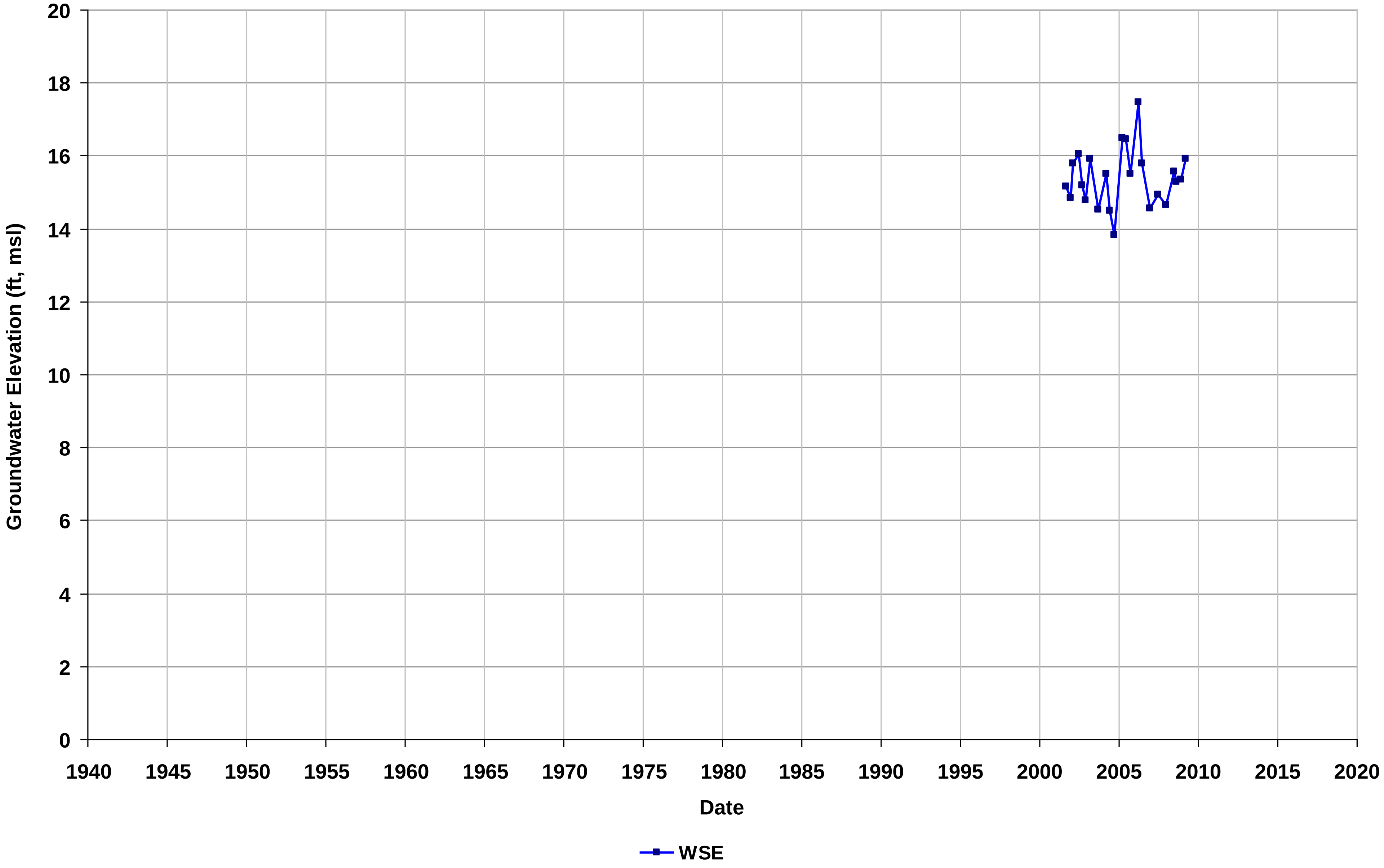
Well Name: T0600100596-MW-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



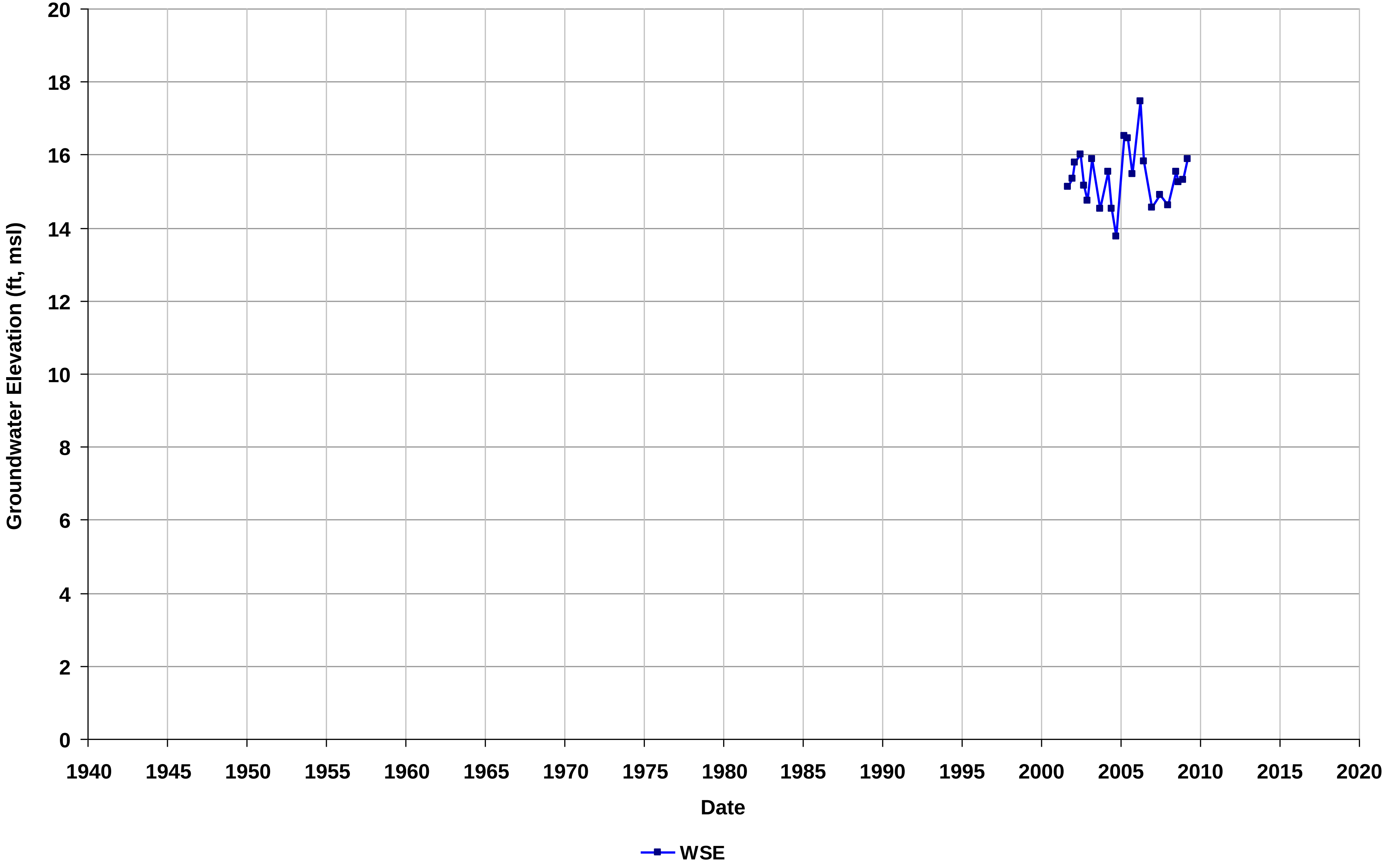
Well Name: T0600100596-MW-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



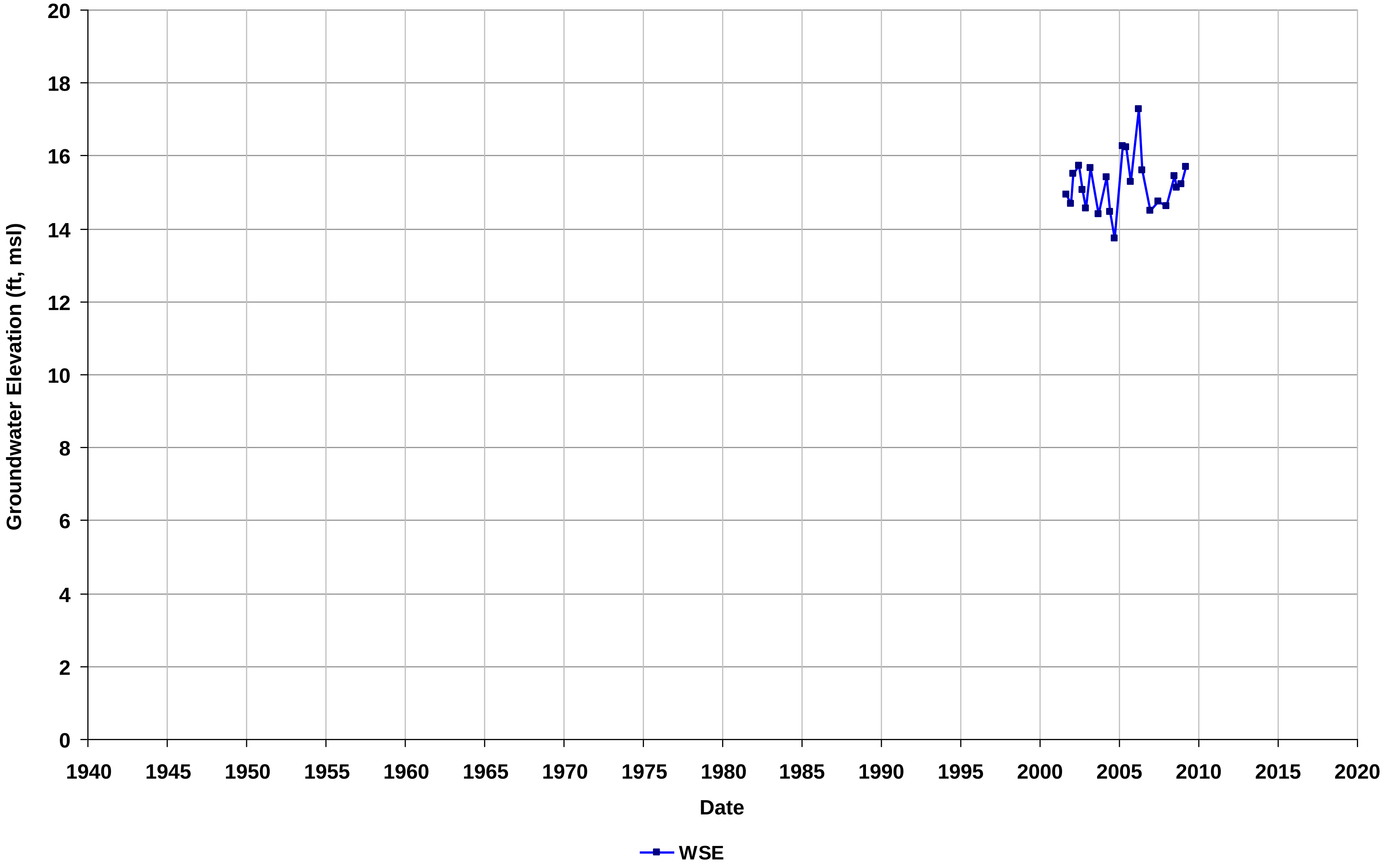
Well Name: T0600100596-MW-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



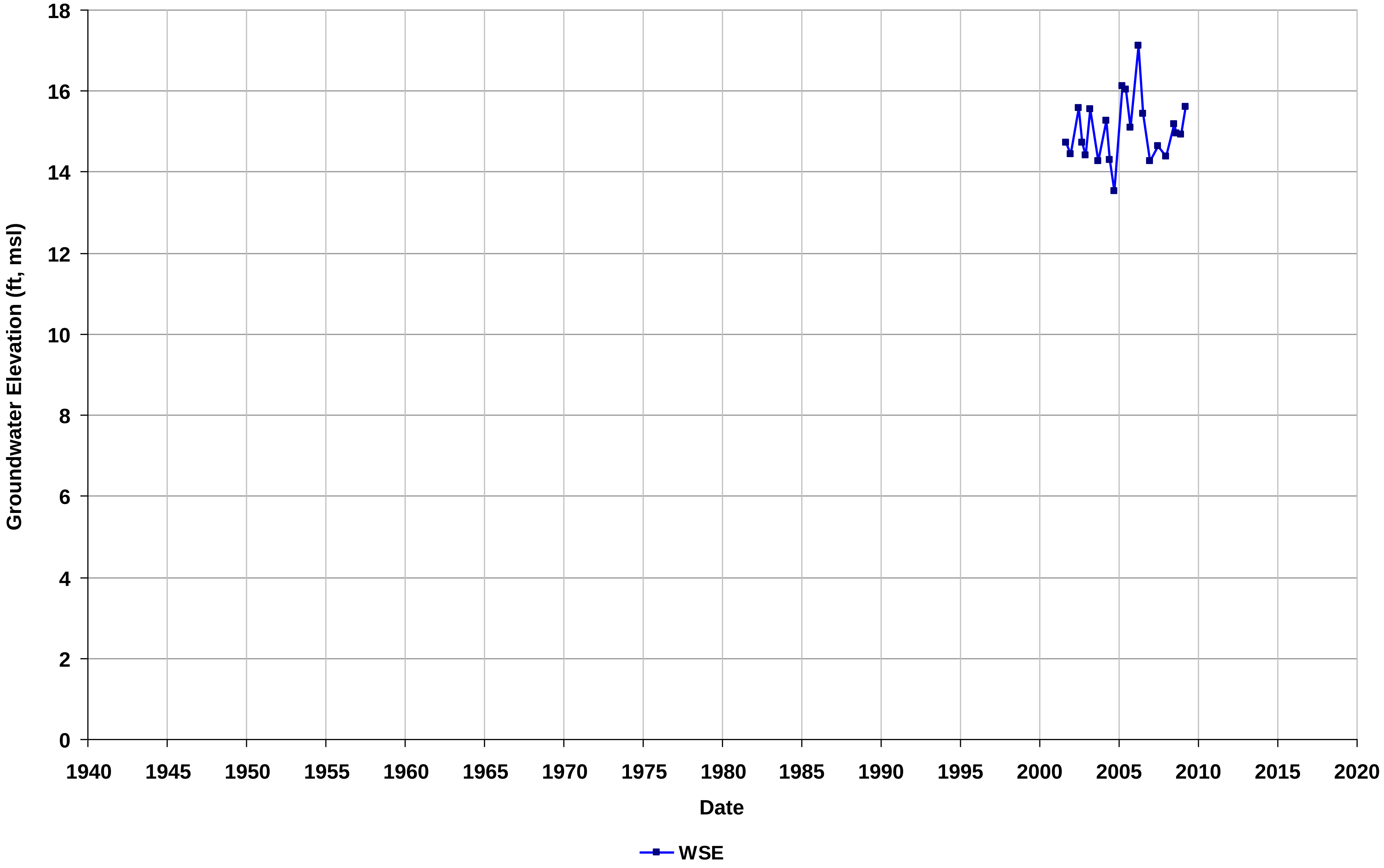
Well Name: T0600100596-MW-5
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



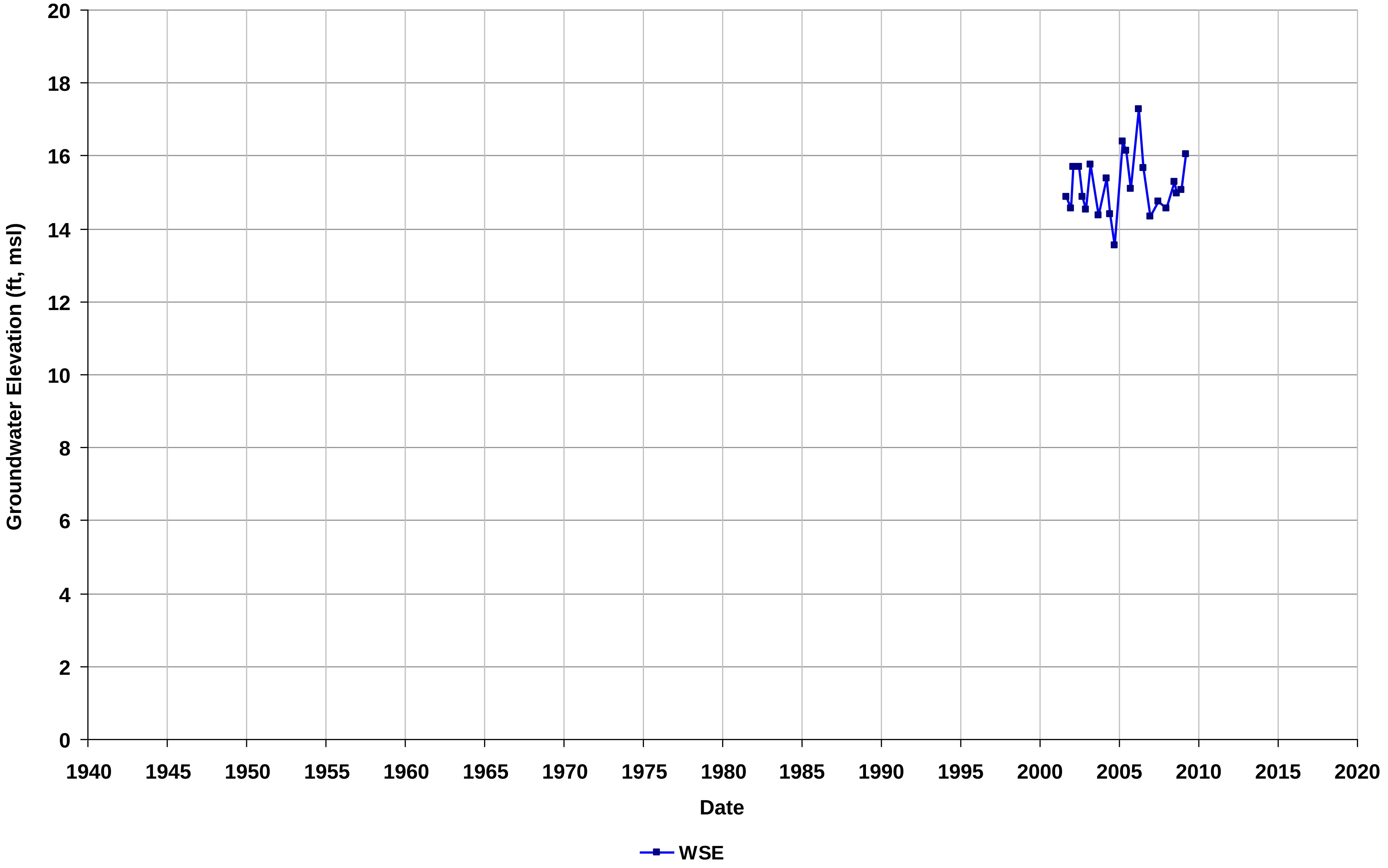
Well Name: T0600100596-MW-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



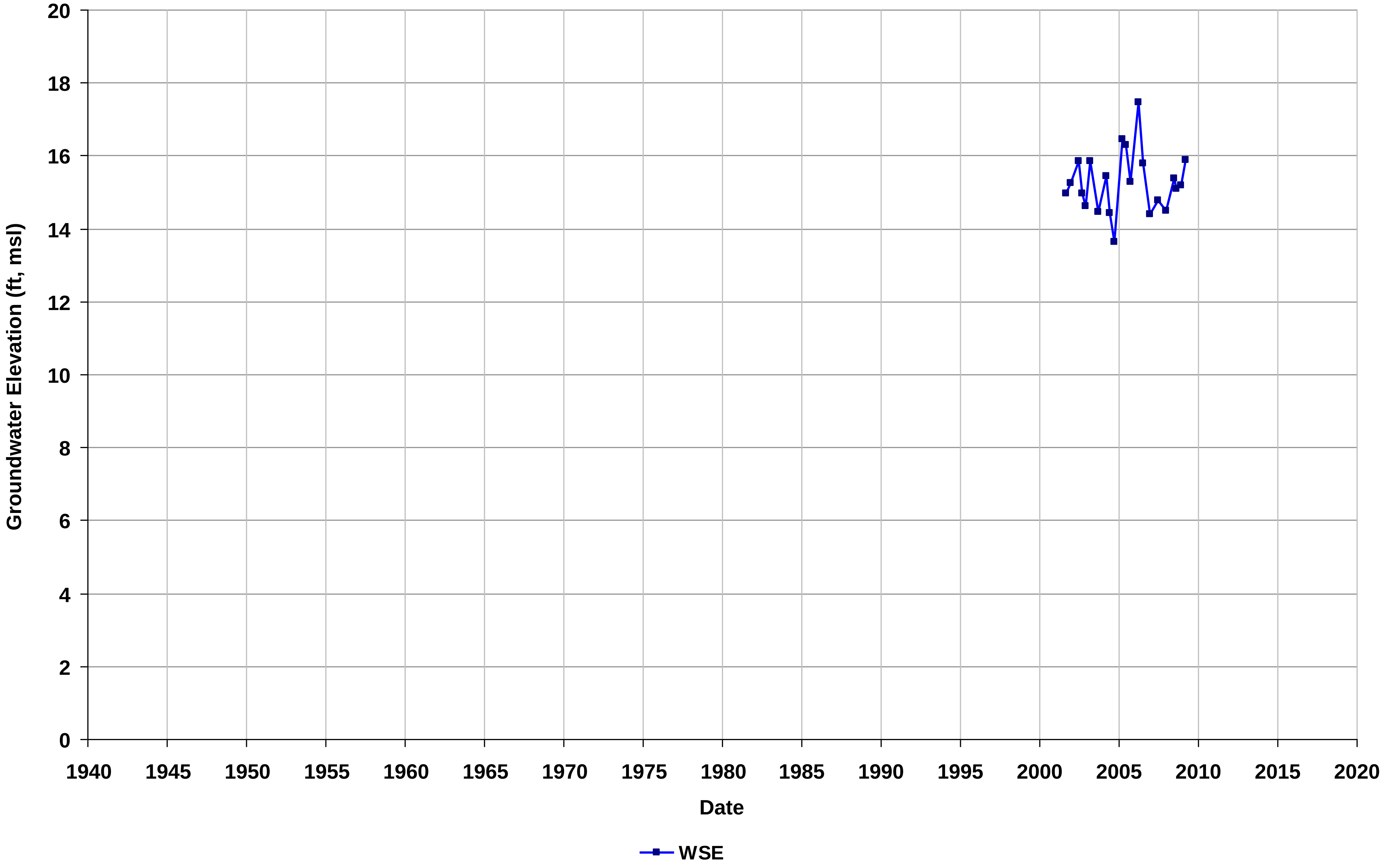
Well Name: T0600100596-MW-7
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



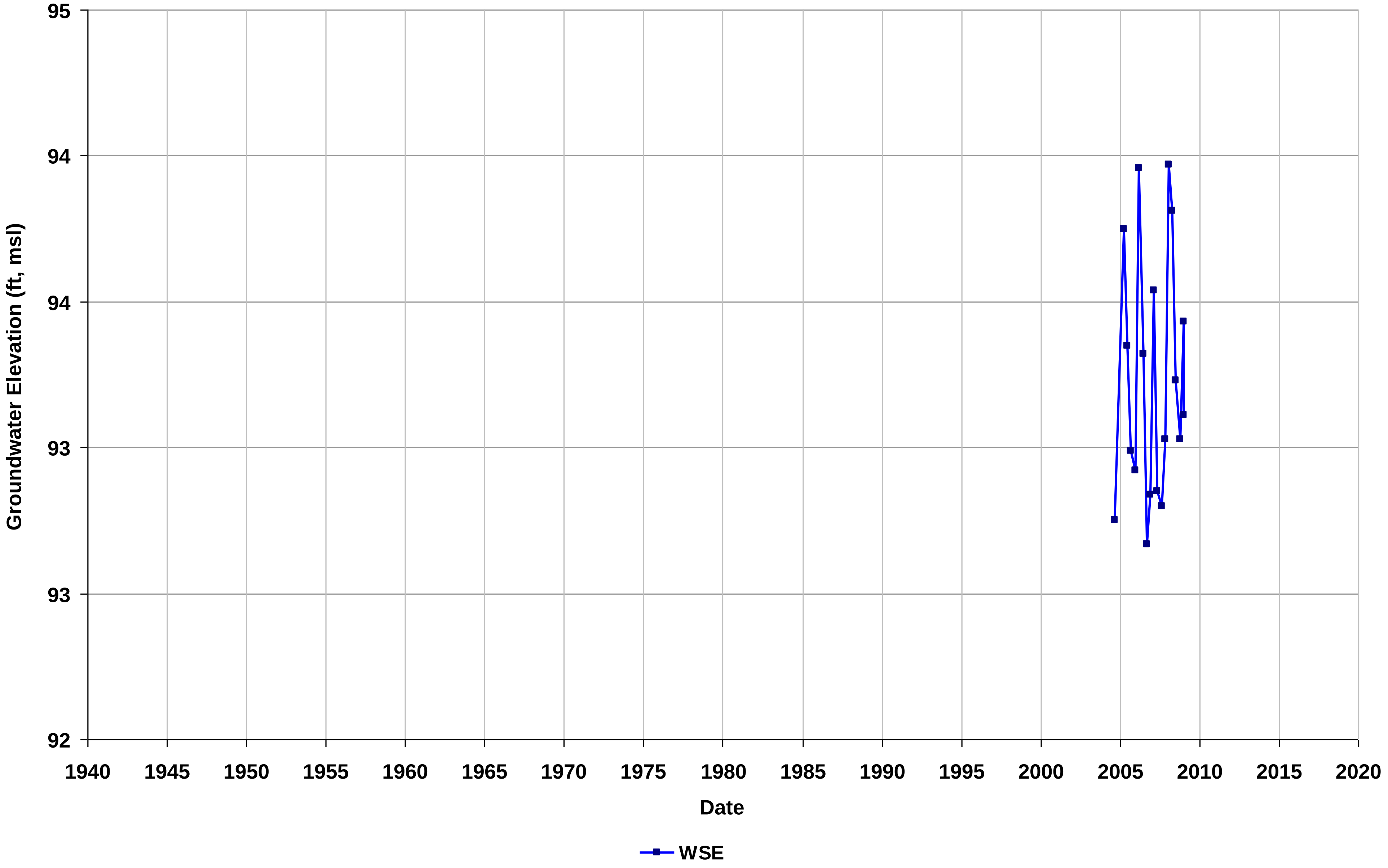
Well Name: T0600100596-MW-8
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



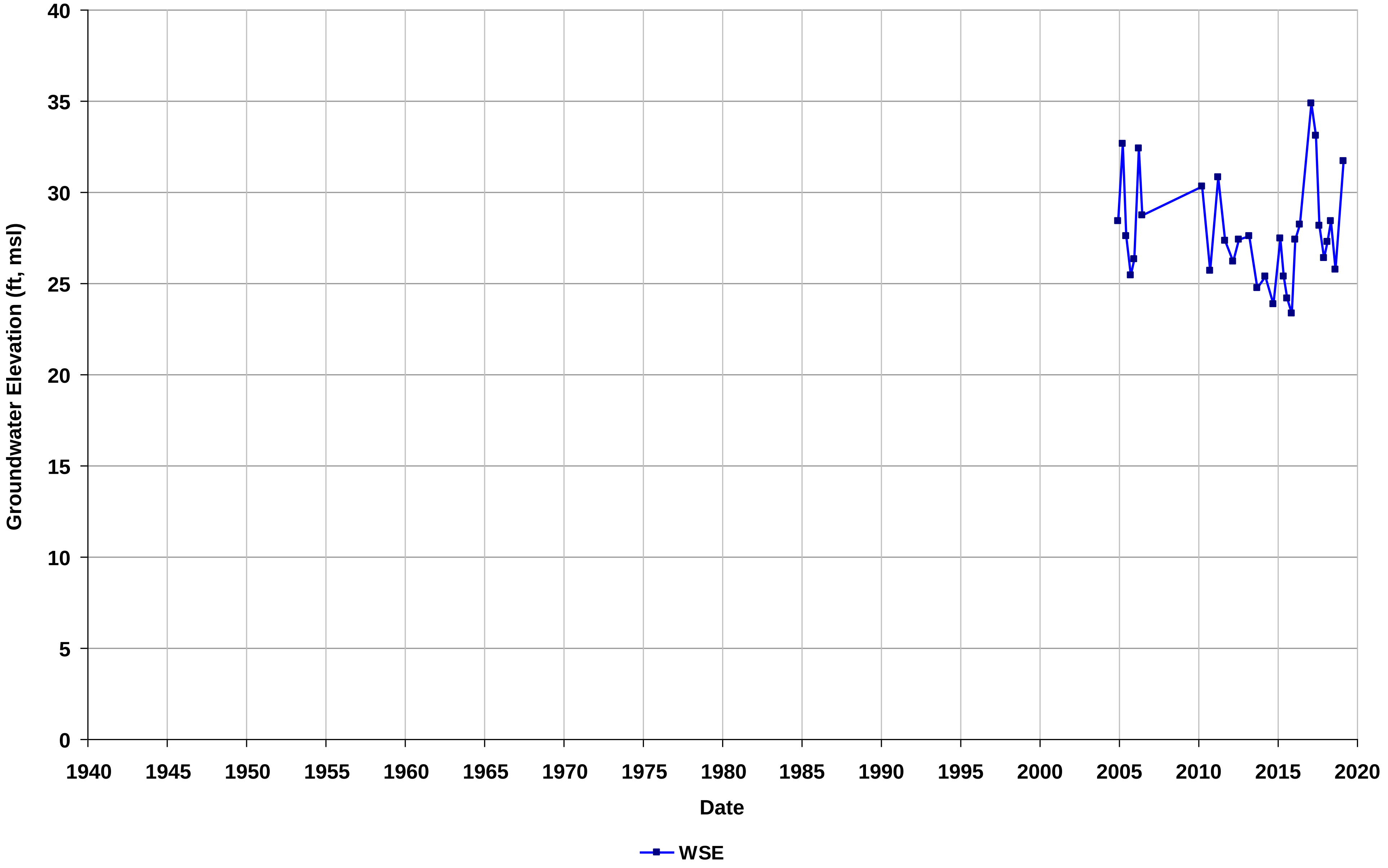
Well Name: T0600100629-MW-1R
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/12
Well Use: Observation



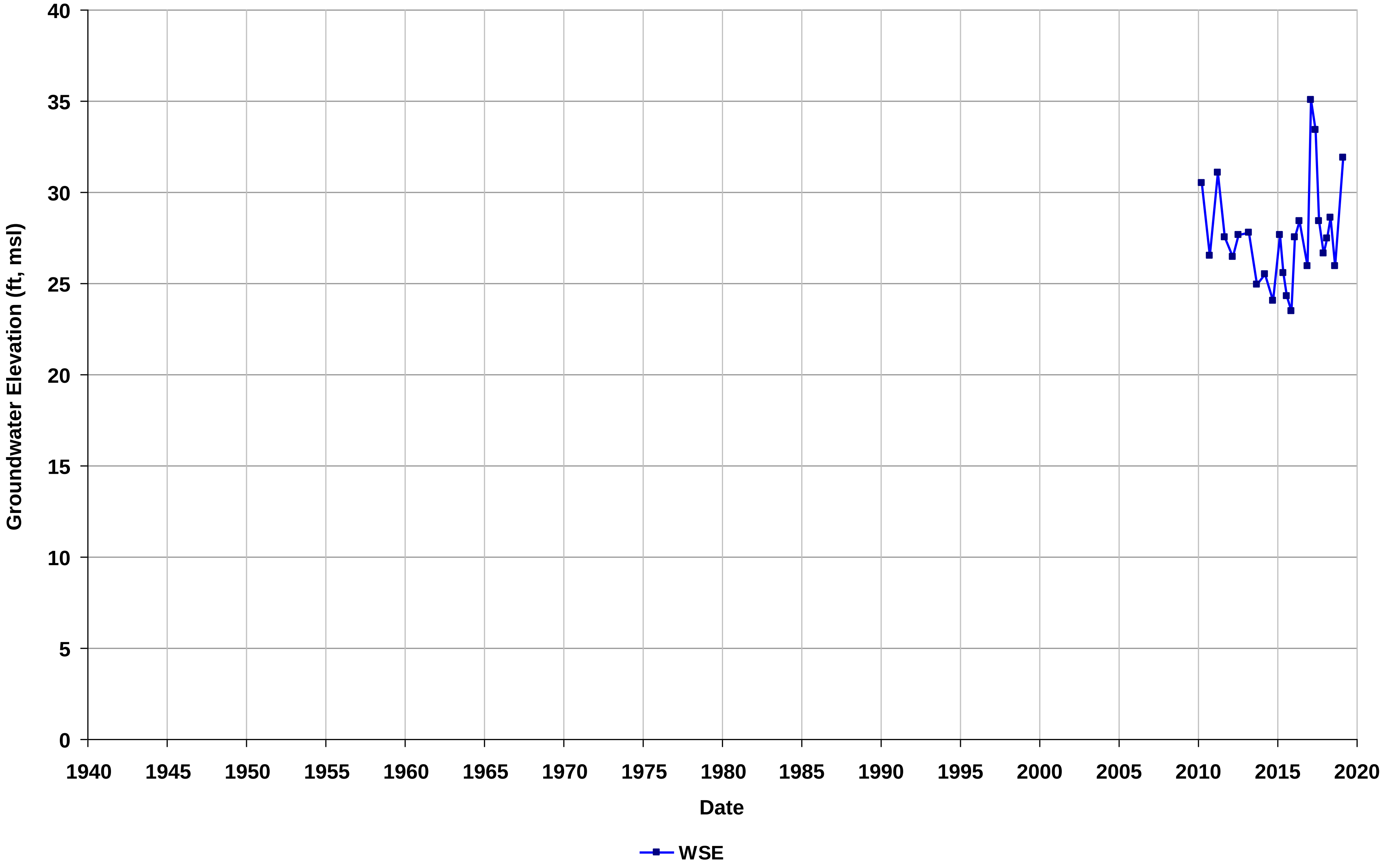
Well Name: T0600100639-MW-10
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/26
Well Use: Observation



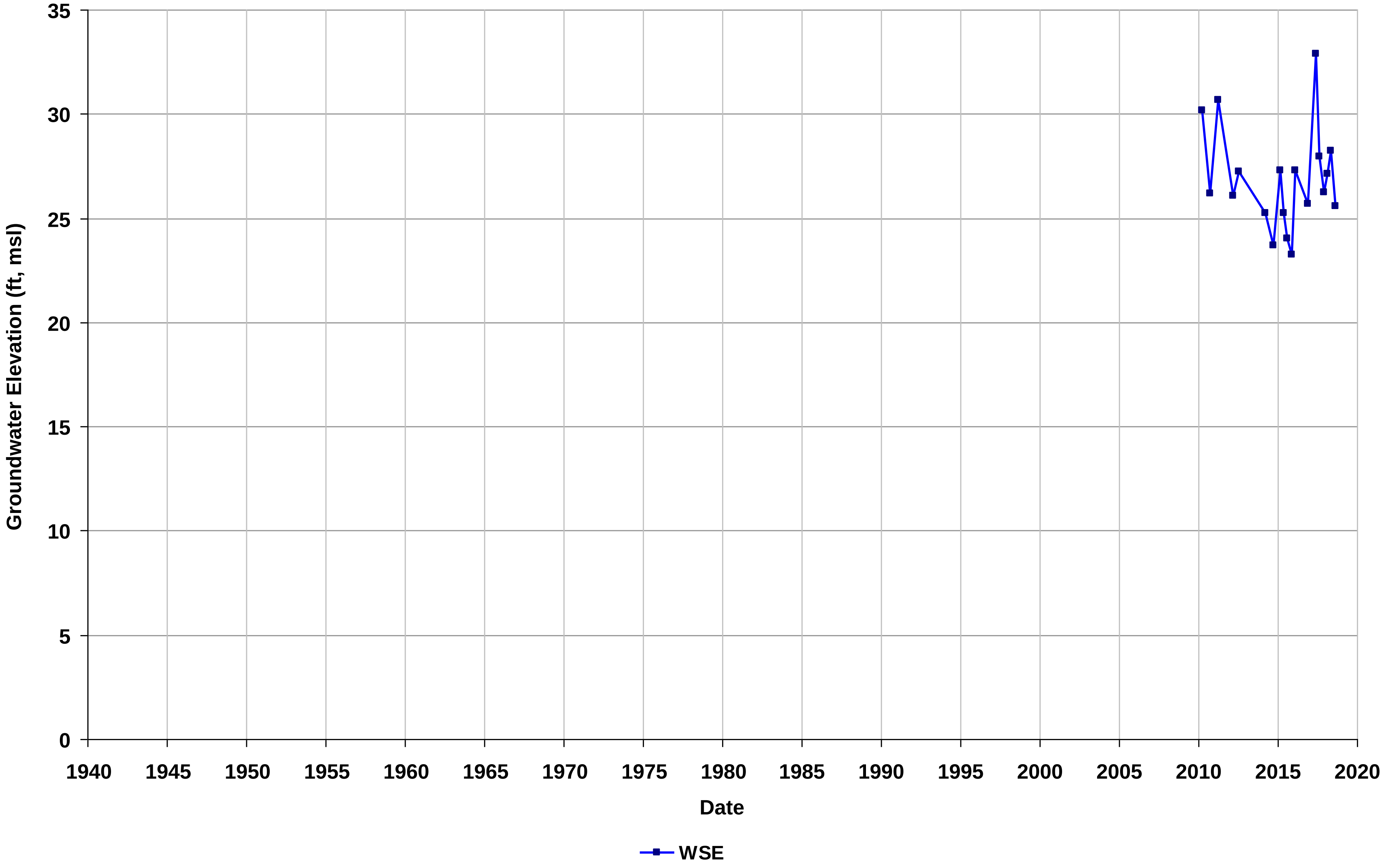
Well Name: T0600100639-MW-11
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/26
Well Use: Observation



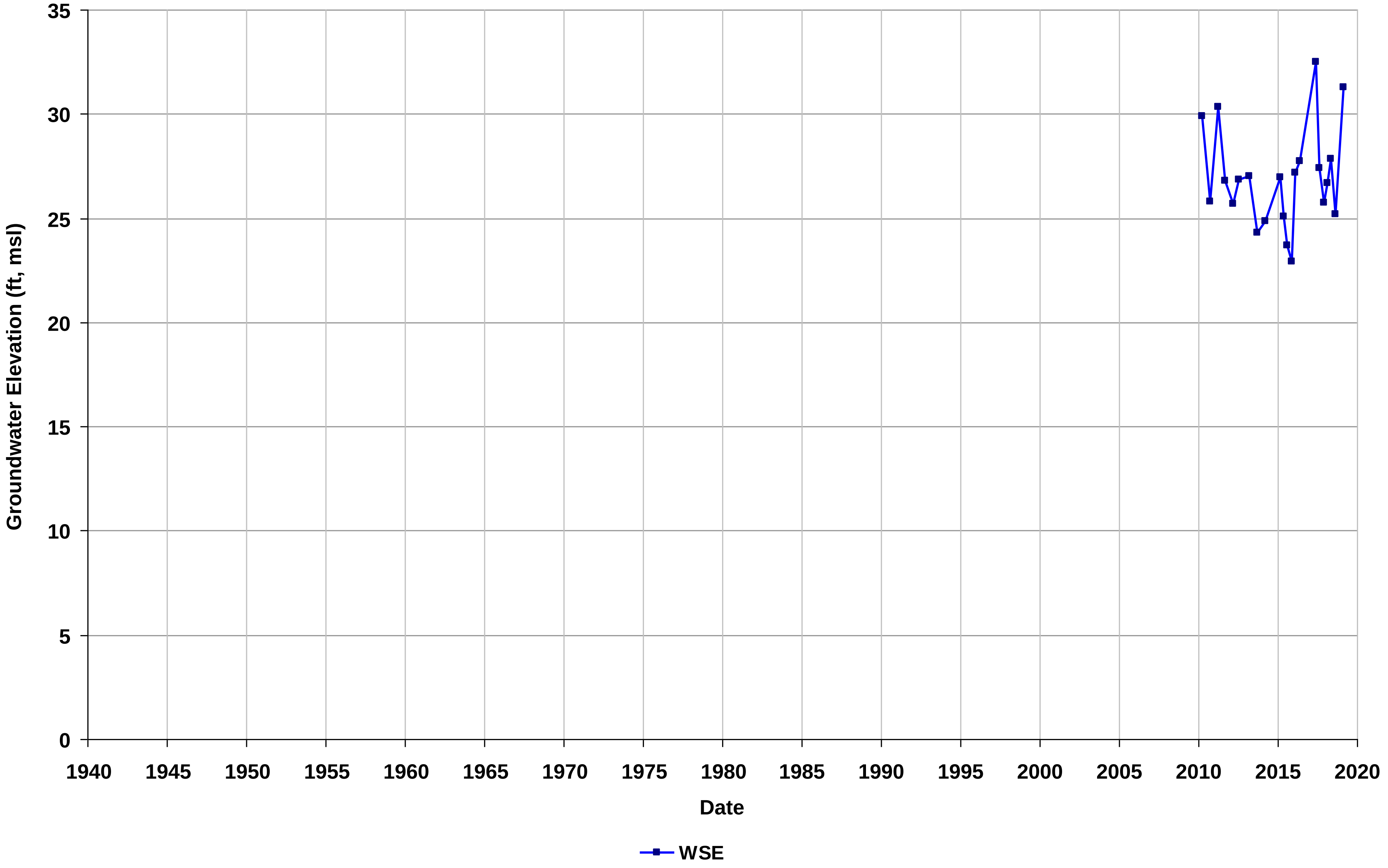
Well Name: T0600100639-MW-12
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/26
Well Use: Observation



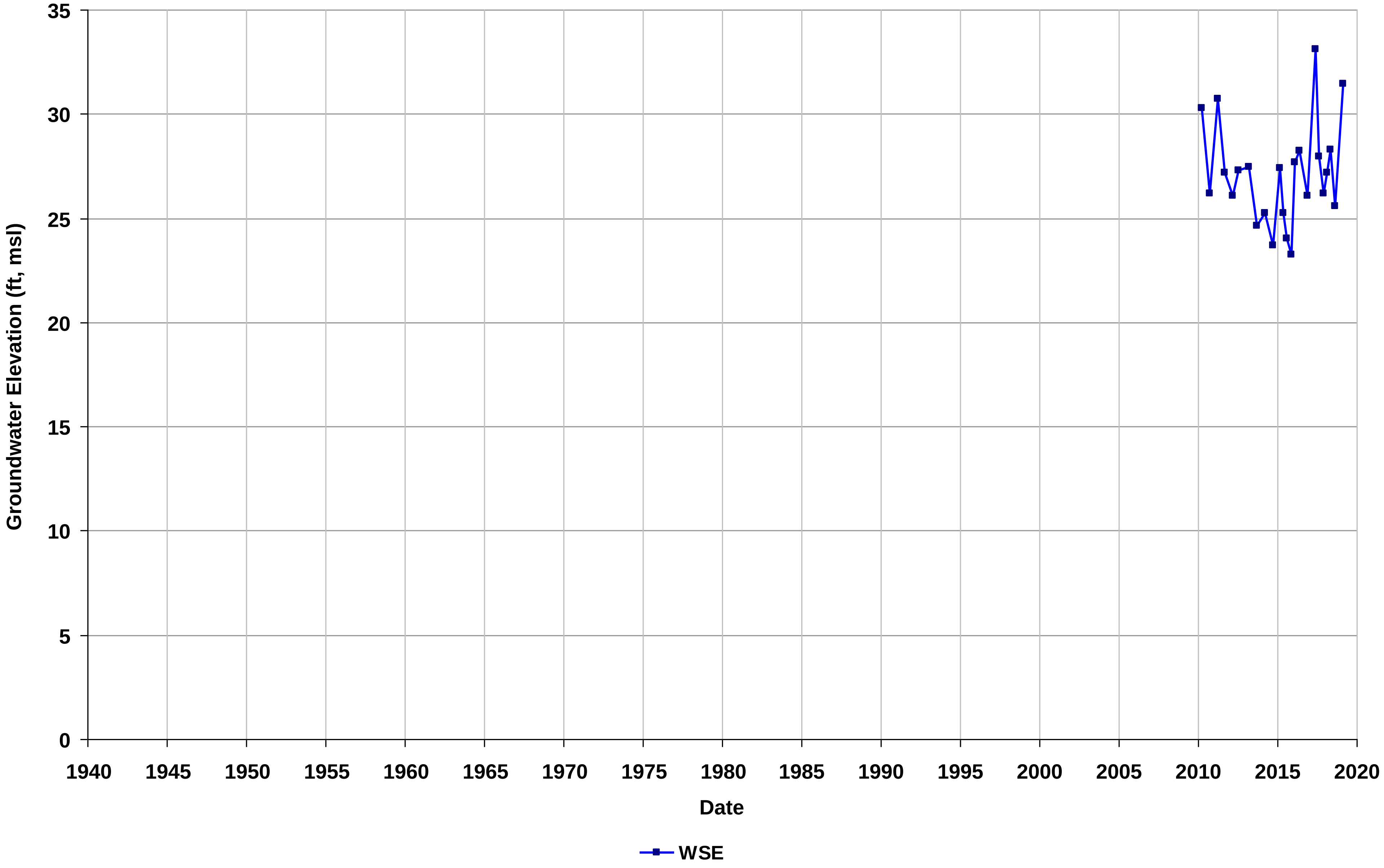
Well Name: T0600100639-MW-13
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/26
Well Use: Observation



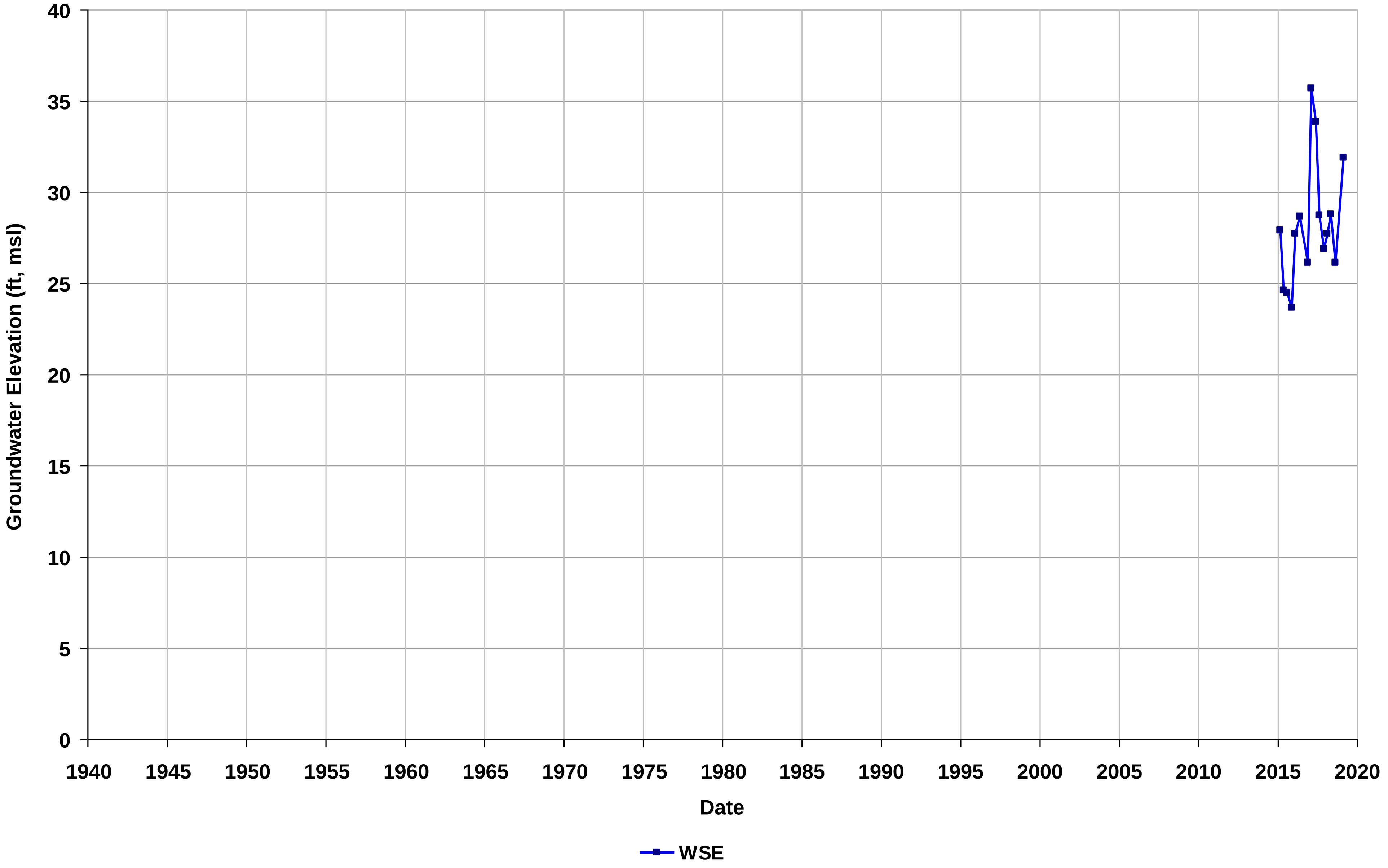
Well Name: T0600100639-MW-14
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/26
Well Use: Observation



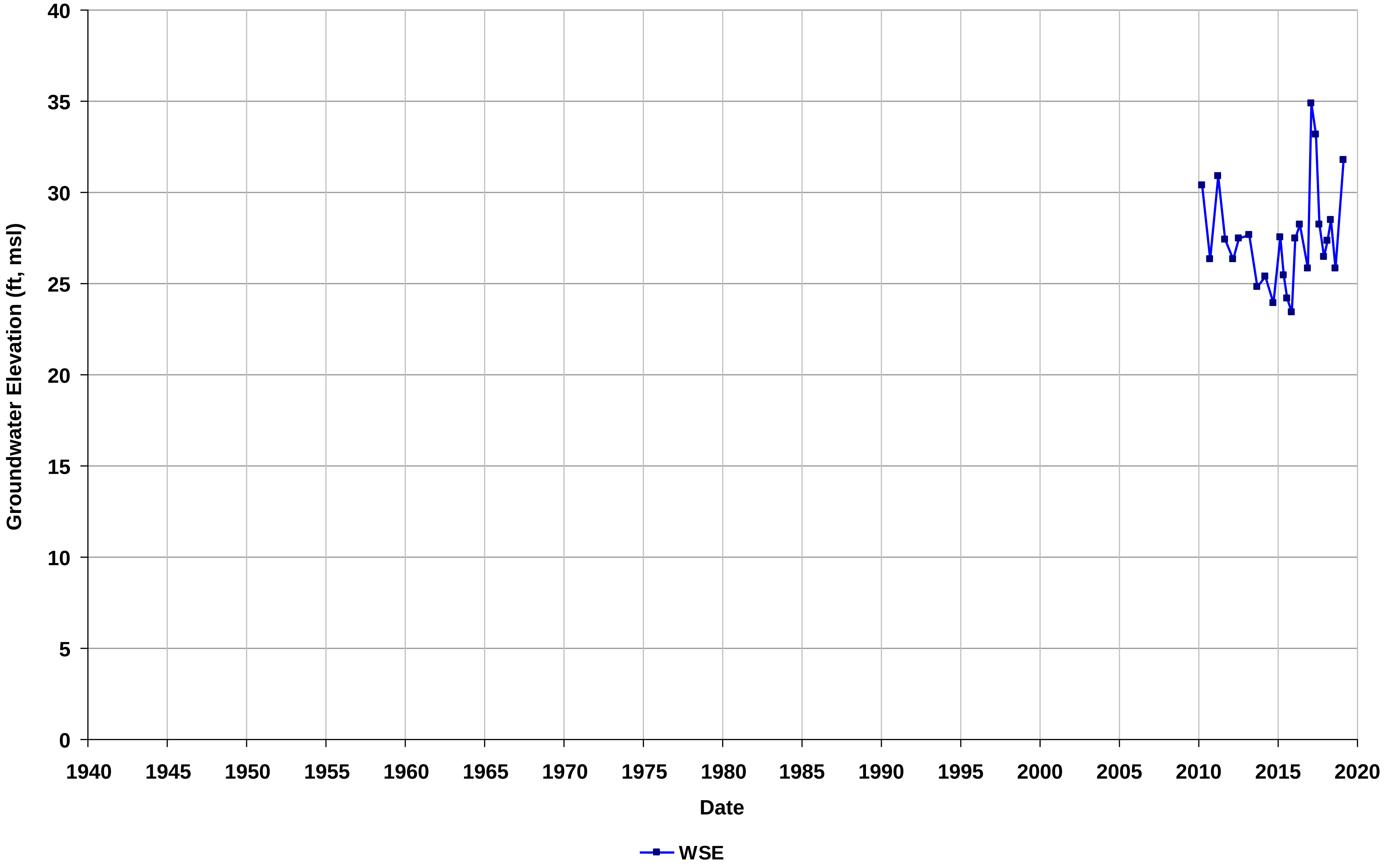
Well Name: T0600100639-MW-15
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/26
Well Use: Observation



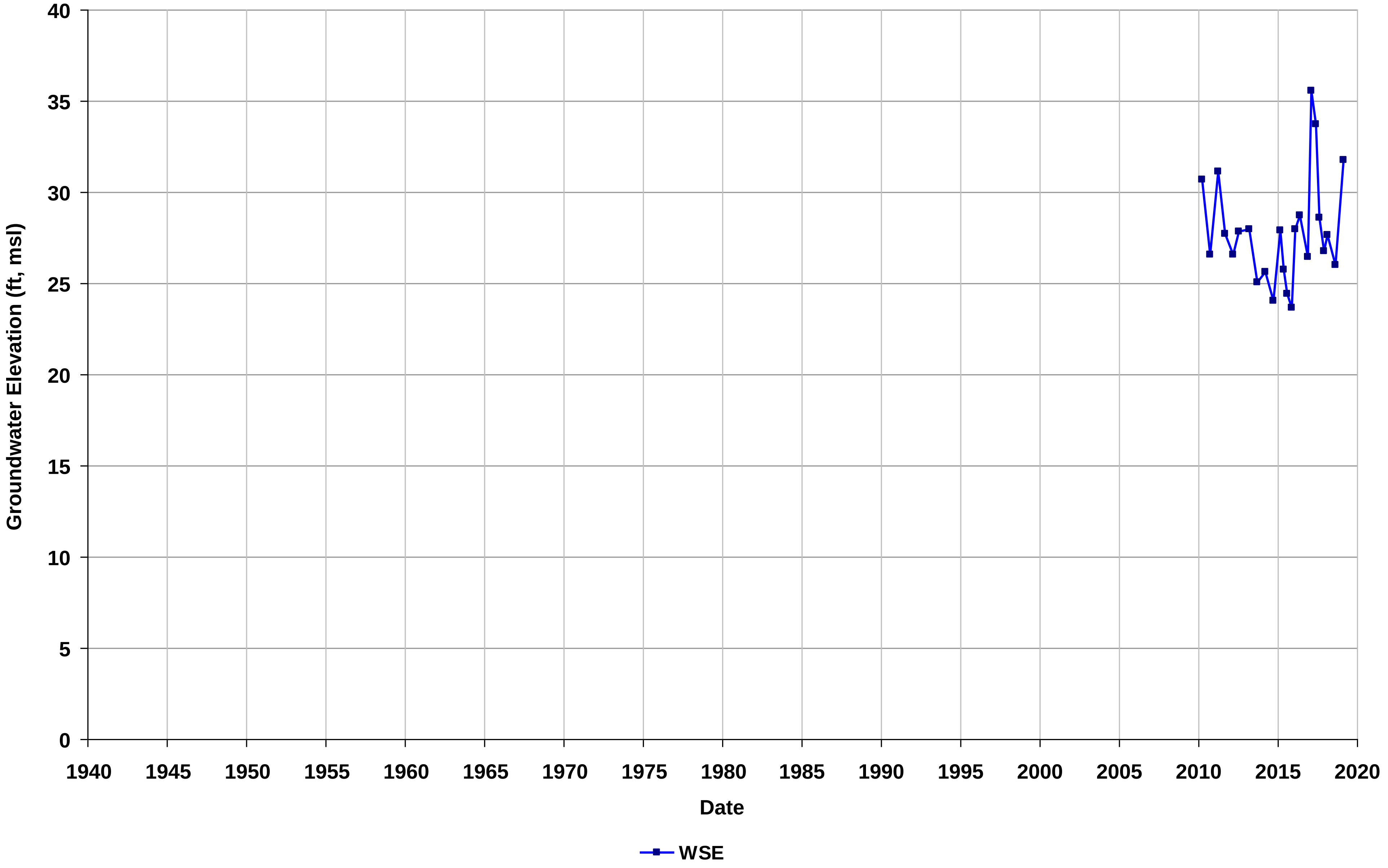
Well Name: T0600100639-MW-1A
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/26
Well Use: Observation



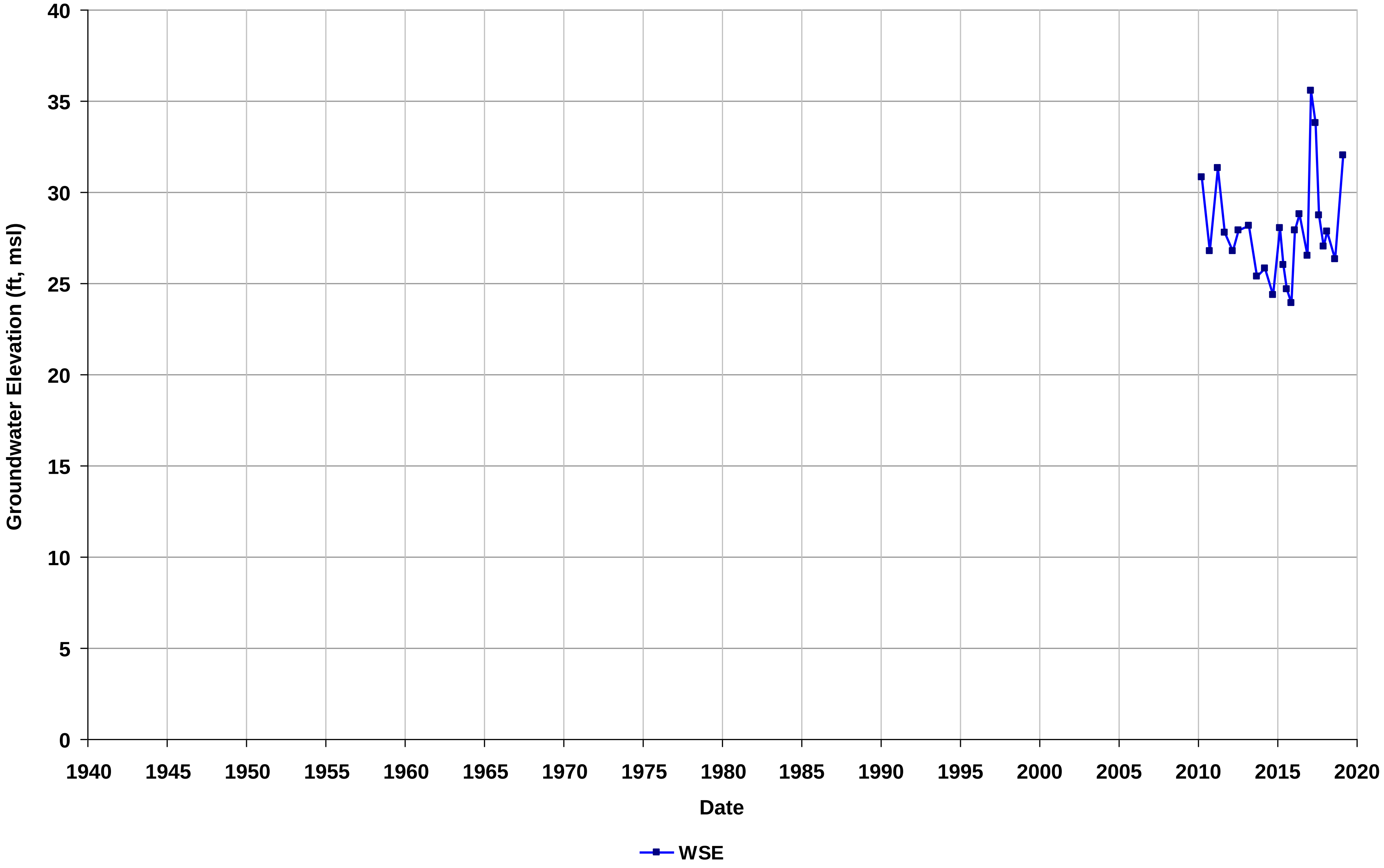
Well Name: T0600100639-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/26
Well Use: Observation



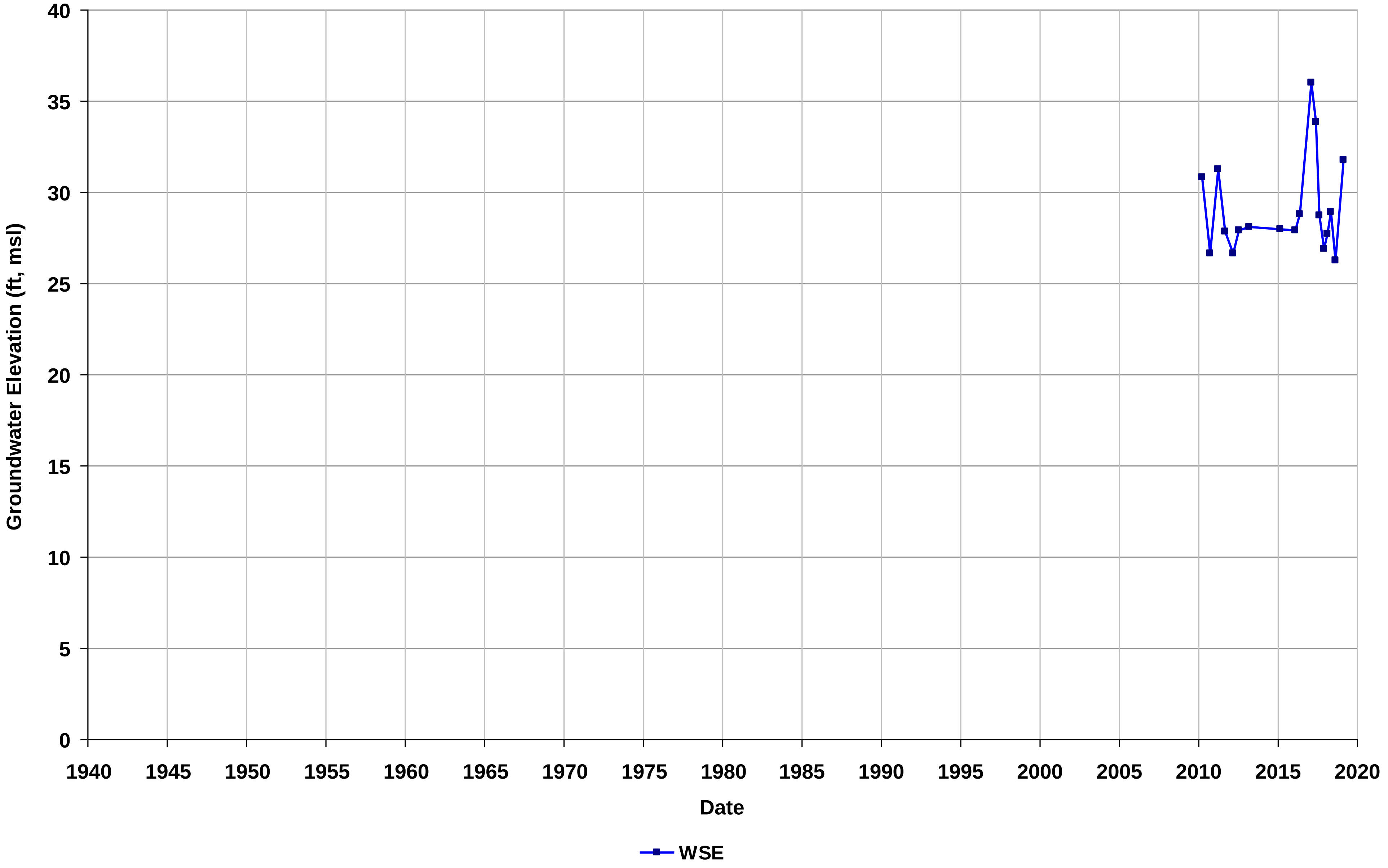
Well Name: T0600100639-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/26
Well Use: Observation



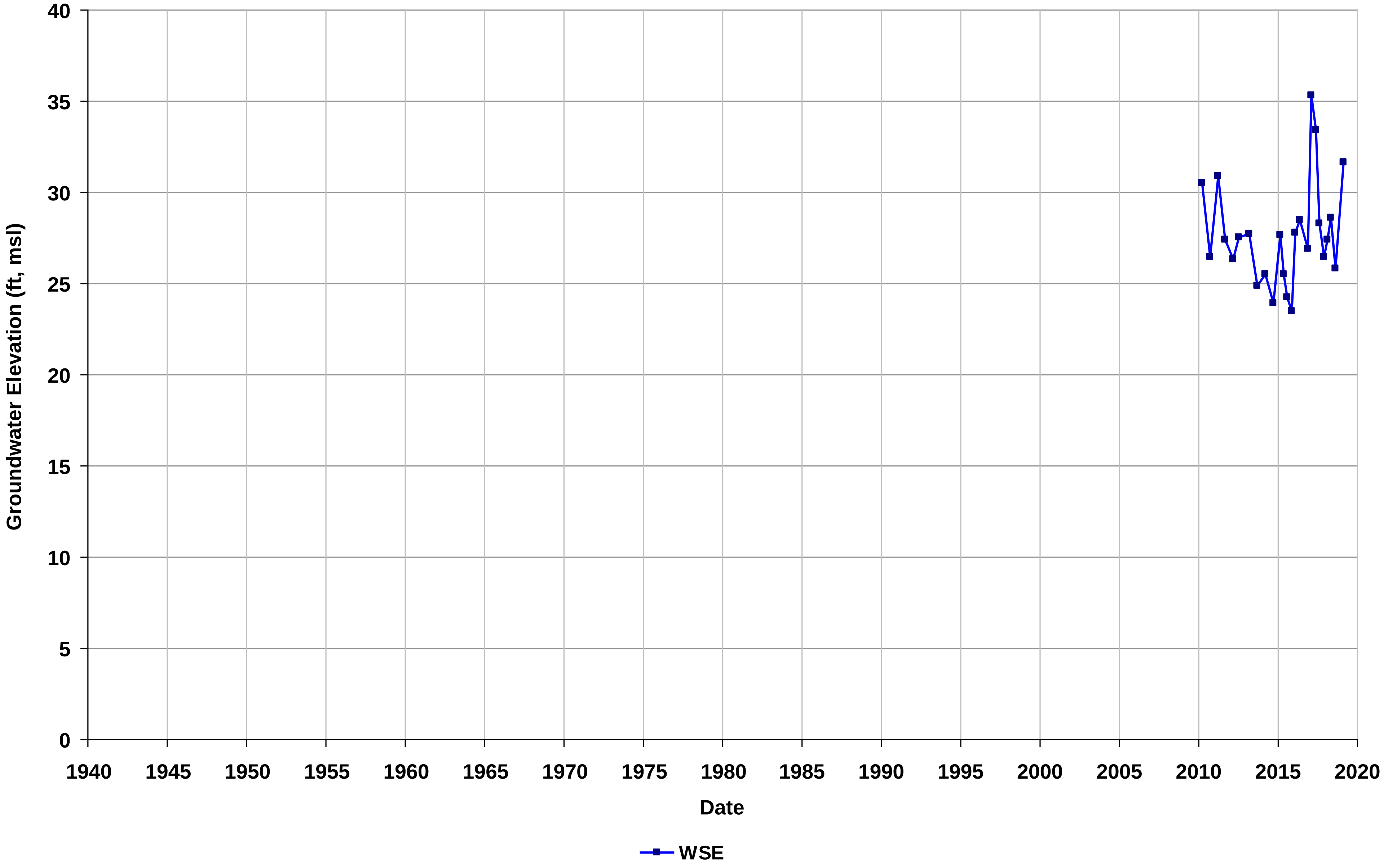
Well Name: T0600100639-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/26
Well Use: Observation



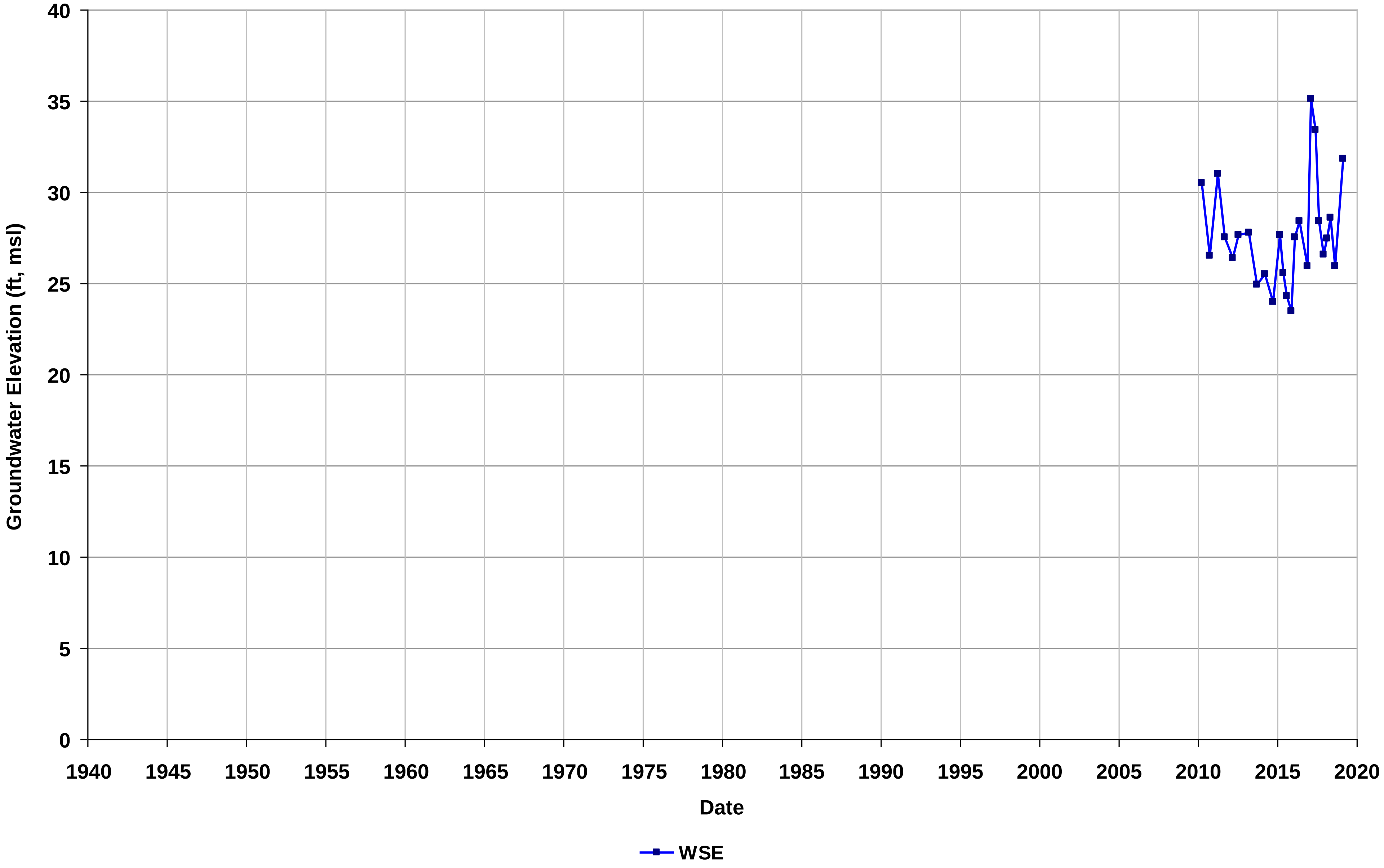
Well Name: T0600100639-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/26
Well Use: Observation



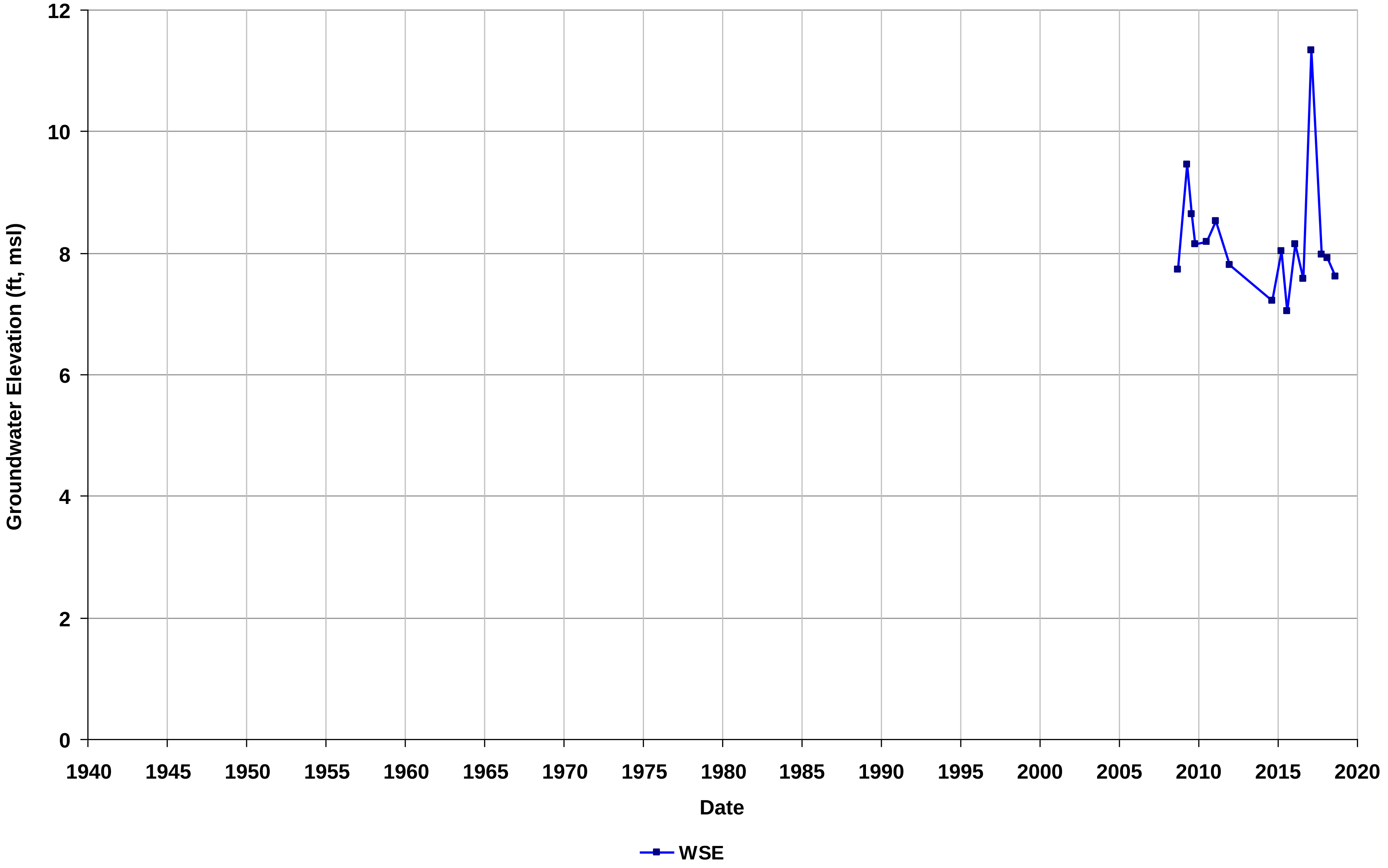
Well Name: T0600100639-MW-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/26
Well Use: Observation



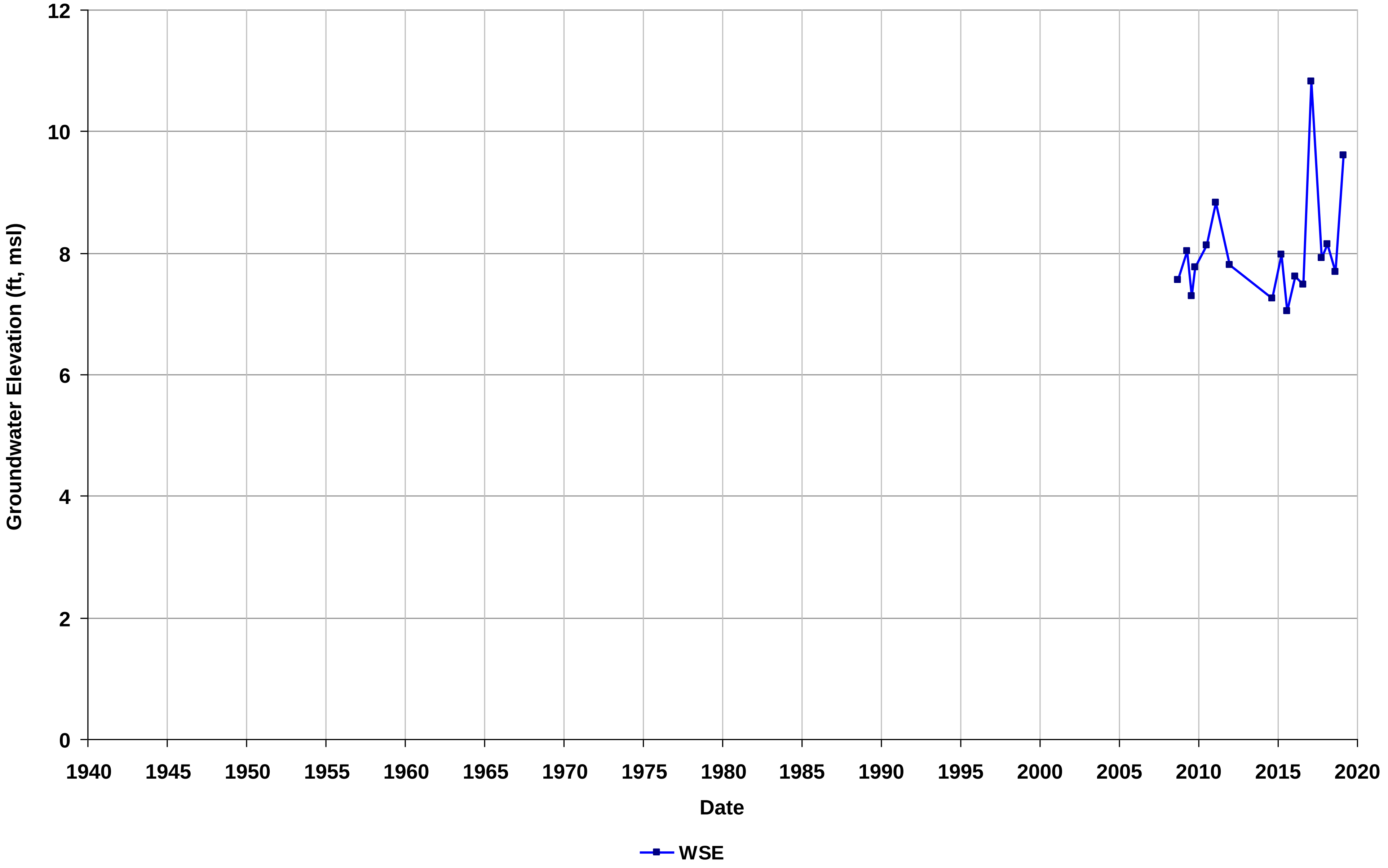
Well Name: T0600100666-BC-01
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/26
Well Use: Observation



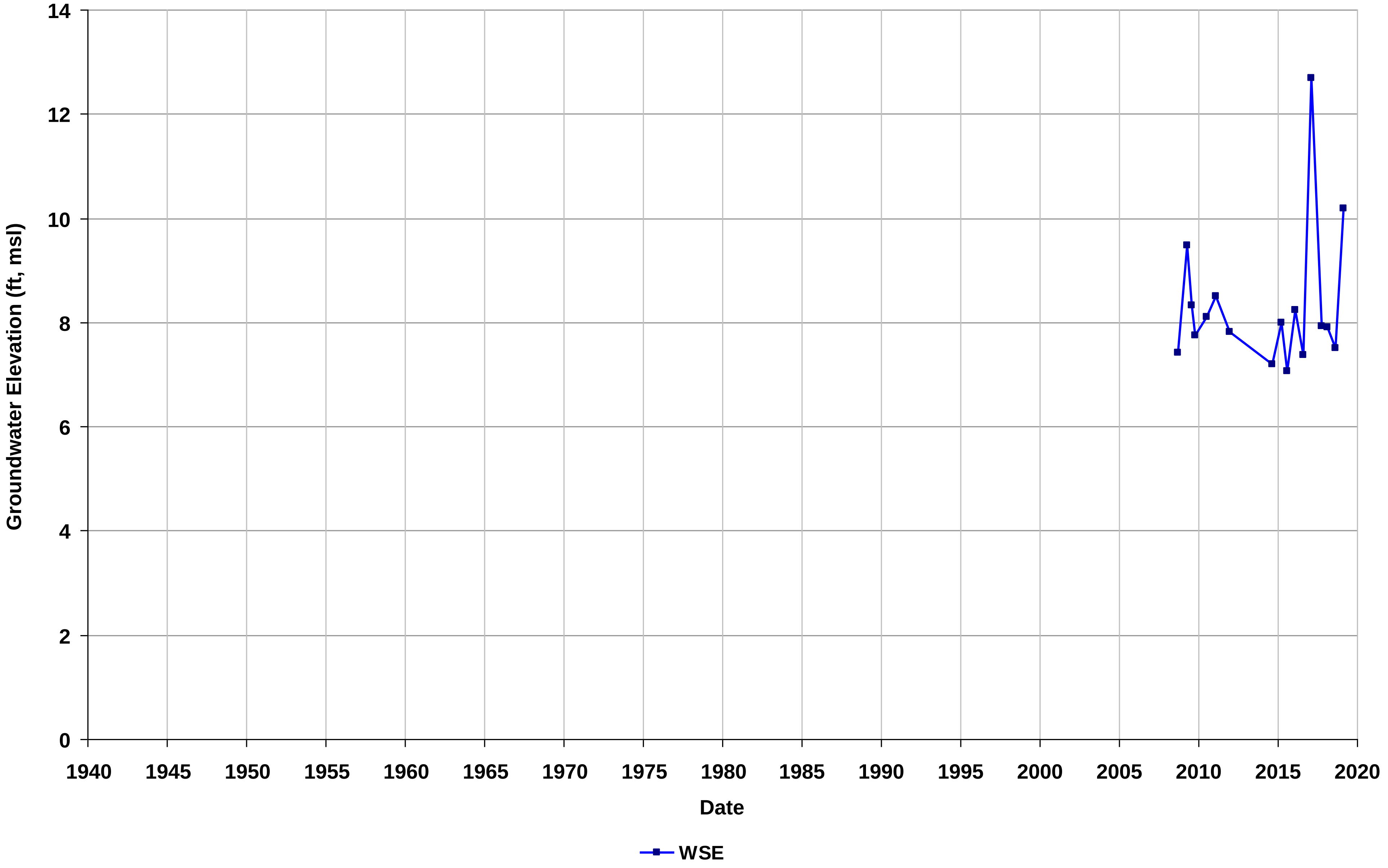
Well Name: T0600100666-BC-02
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/26
Well Use: Observation



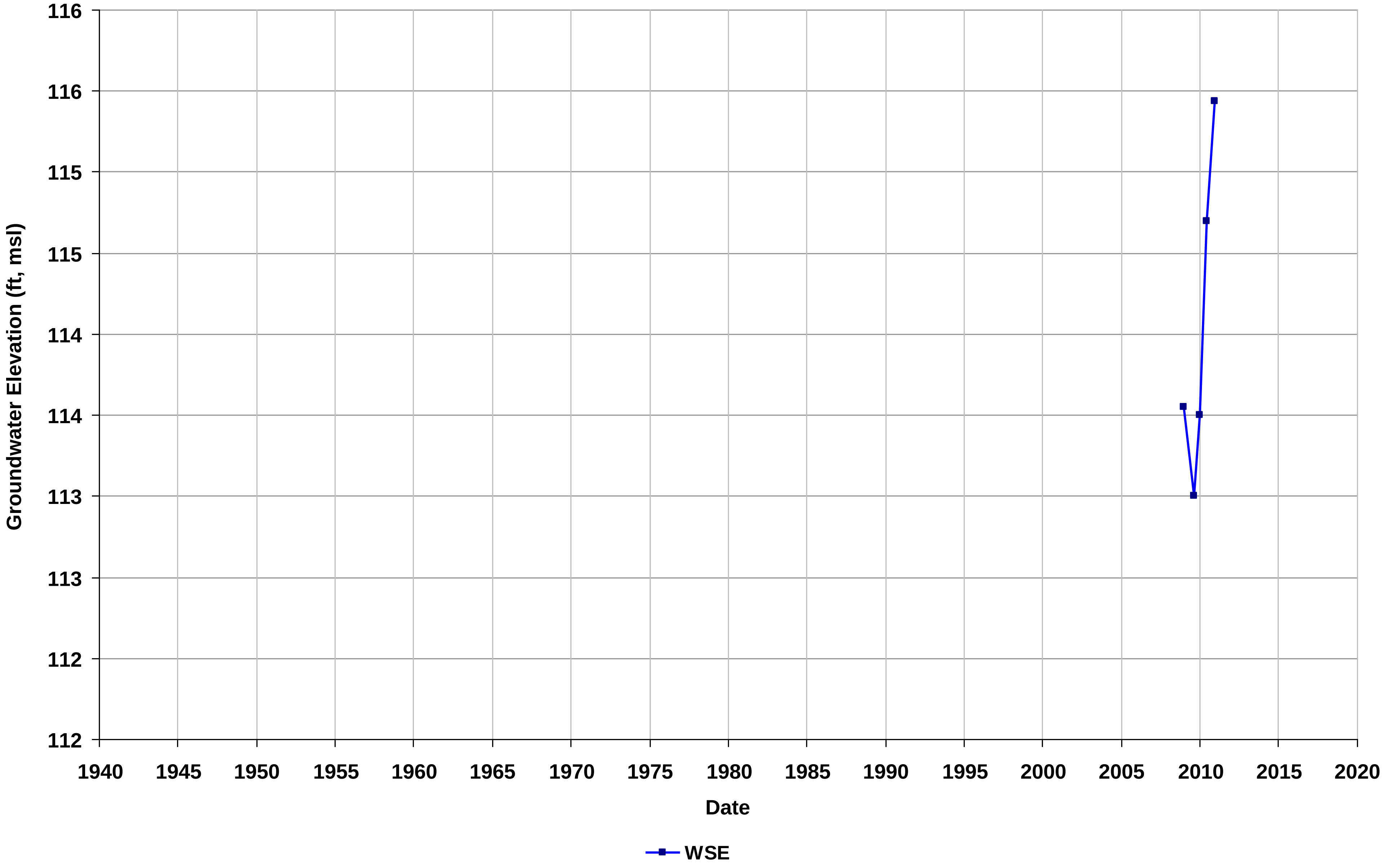
Well Name: T0600100666-BC-03
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/26
Well Use: Observation



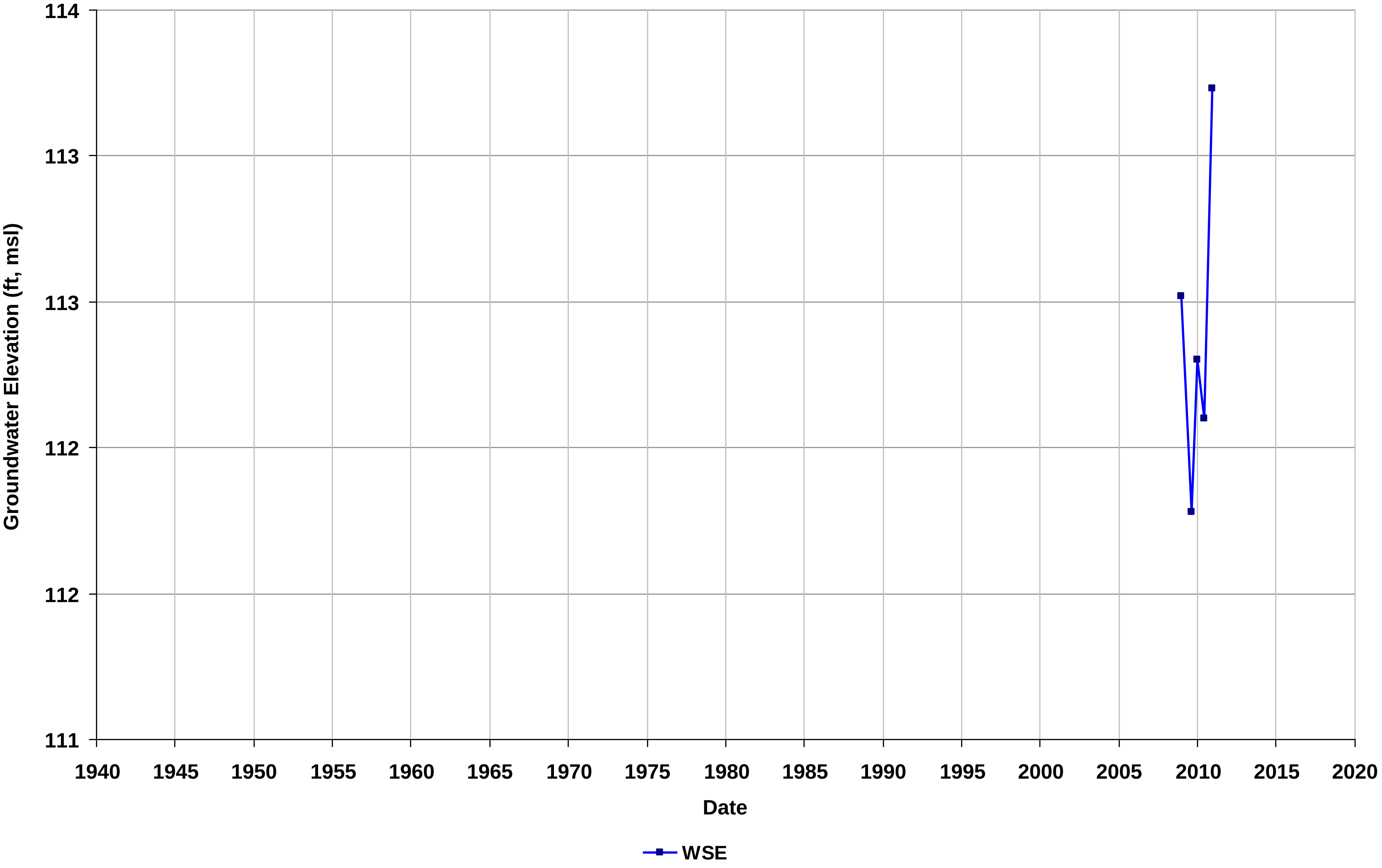
Well Name: T0600100672-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/14
Well Use: Observation



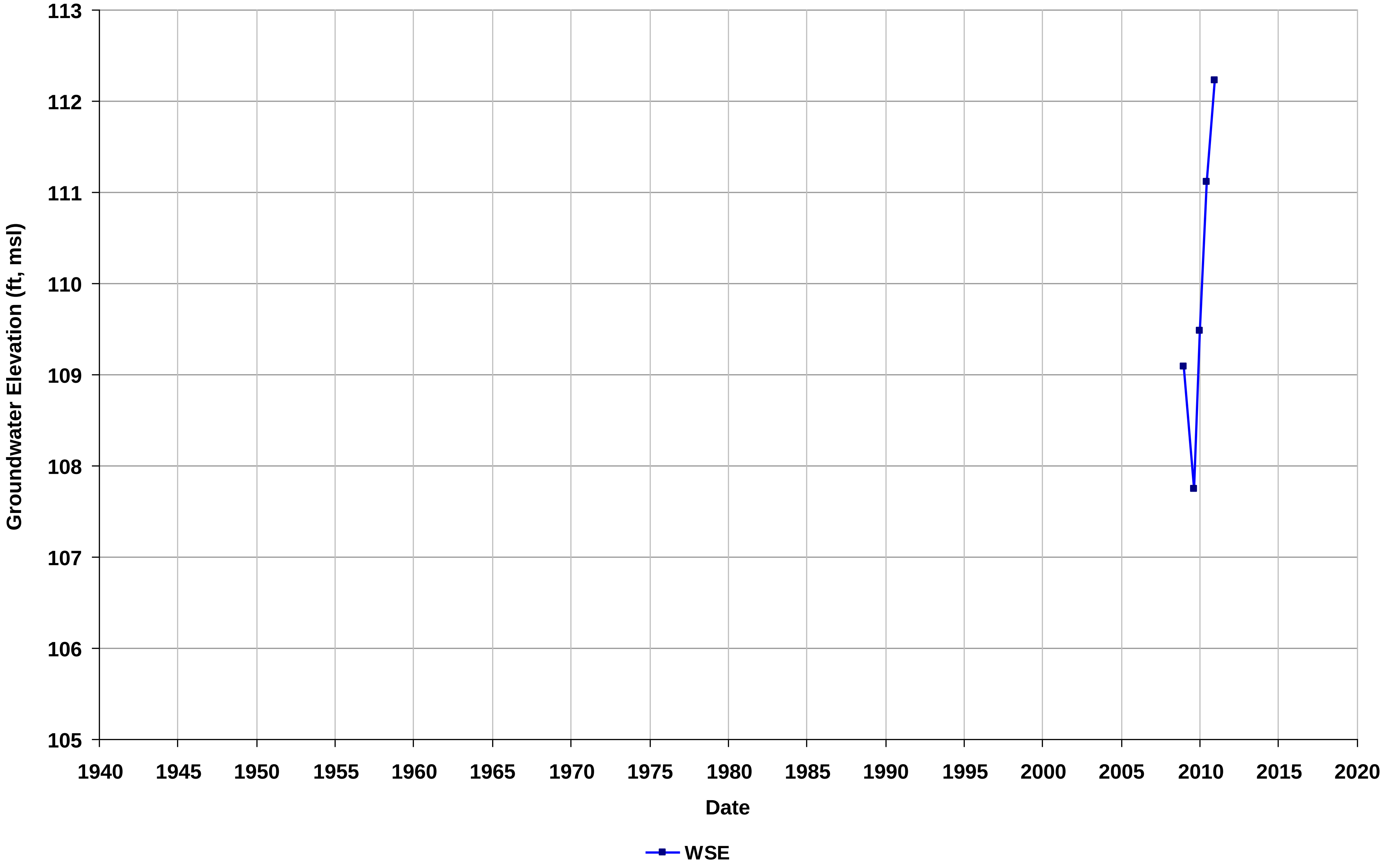
Well Name: T0600100672-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/14
Well Use: Observation



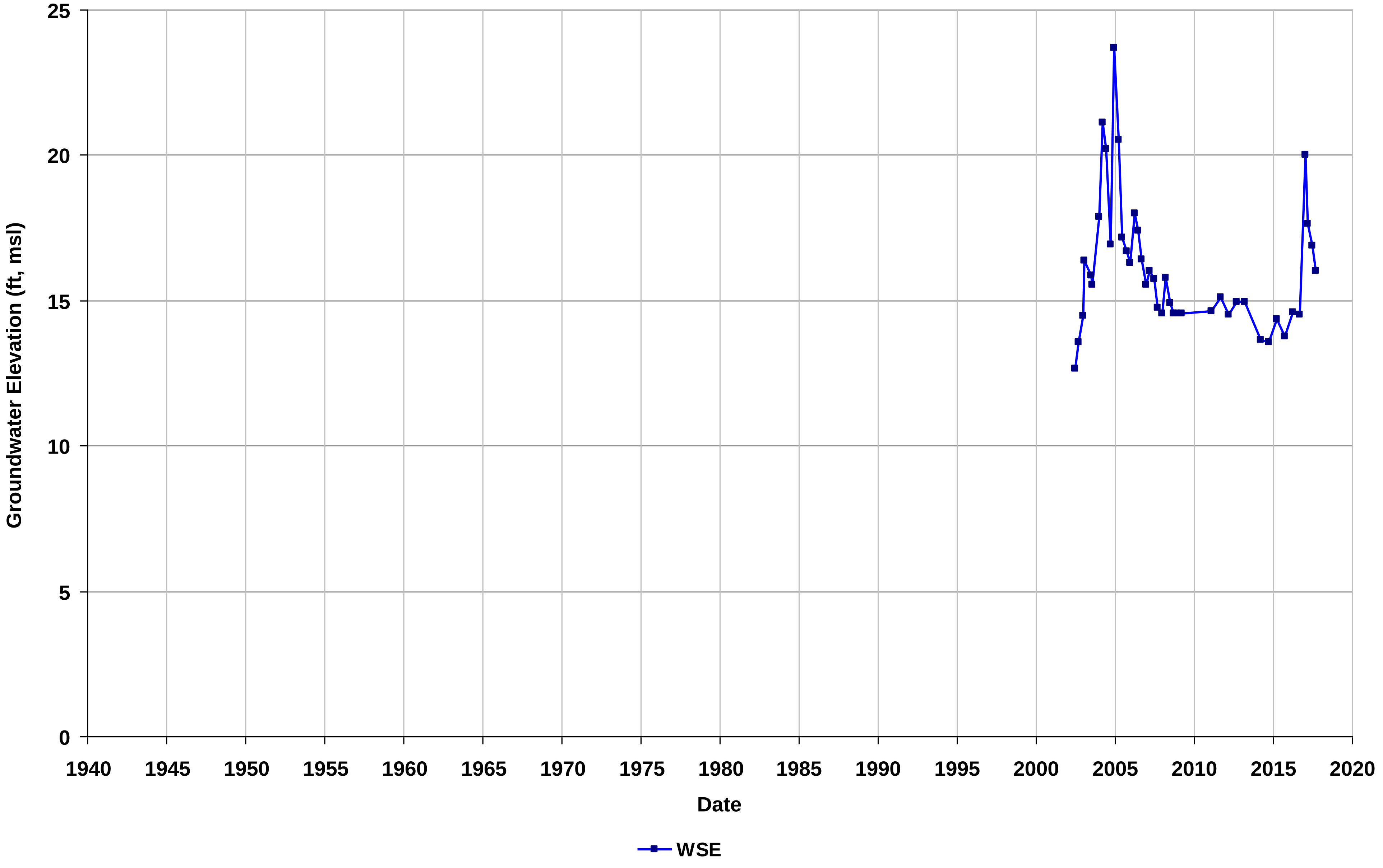
Well Name: T0600100672-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/14
Well Use: Observation



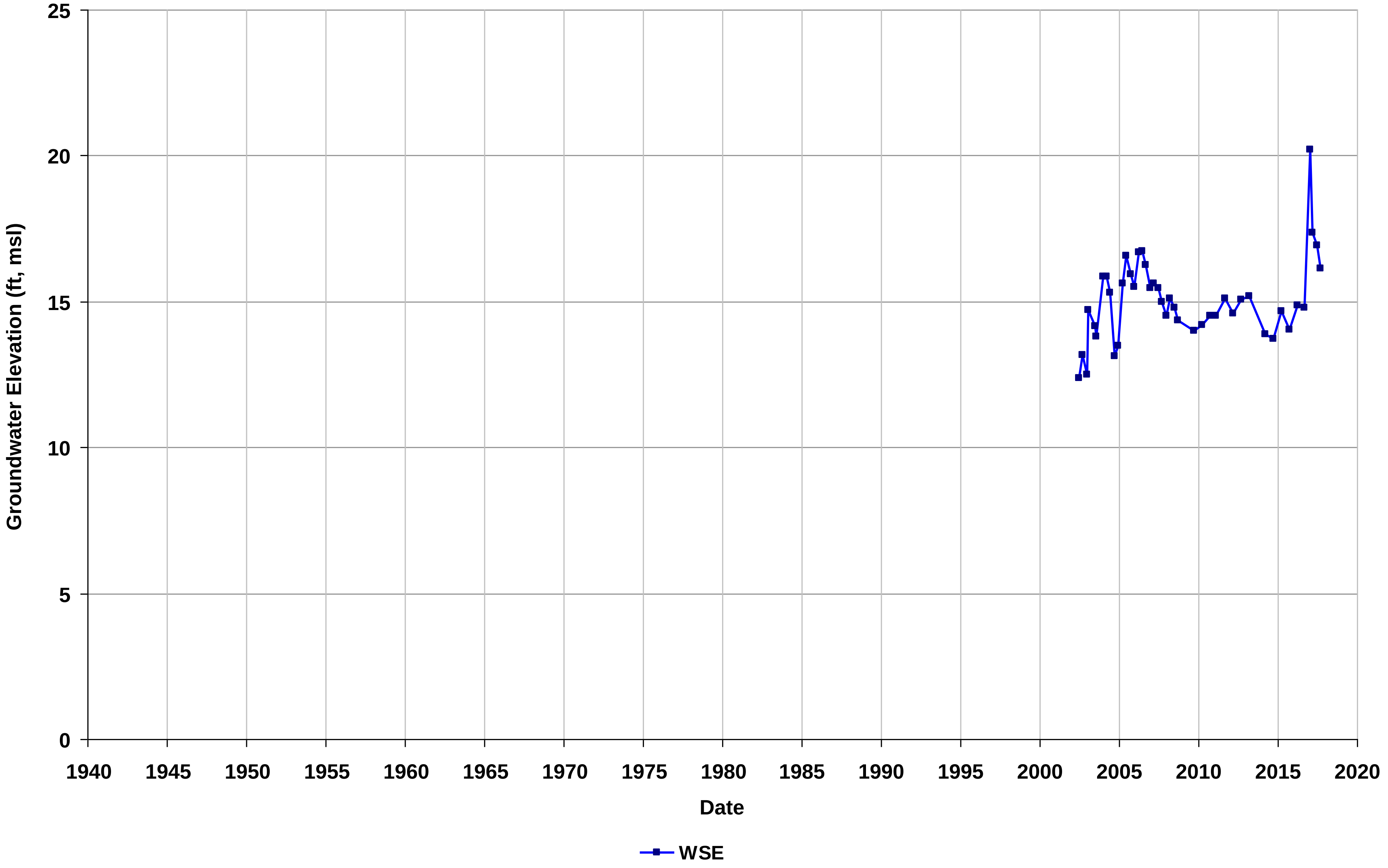
Well Name: T0600100682-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/35
Well Use: Observation



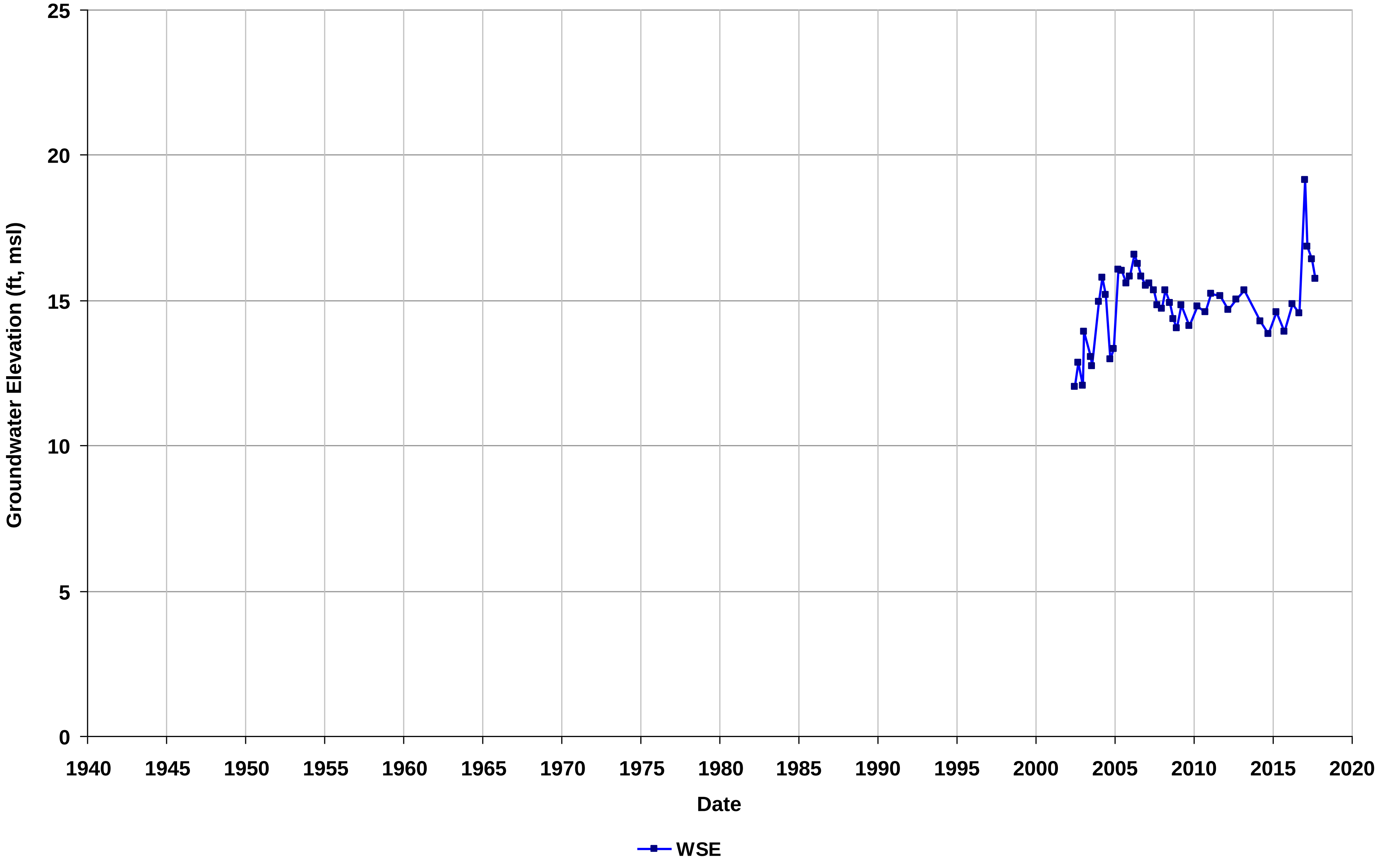
Well Name: T0600100682-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/35
Well Use: Observation



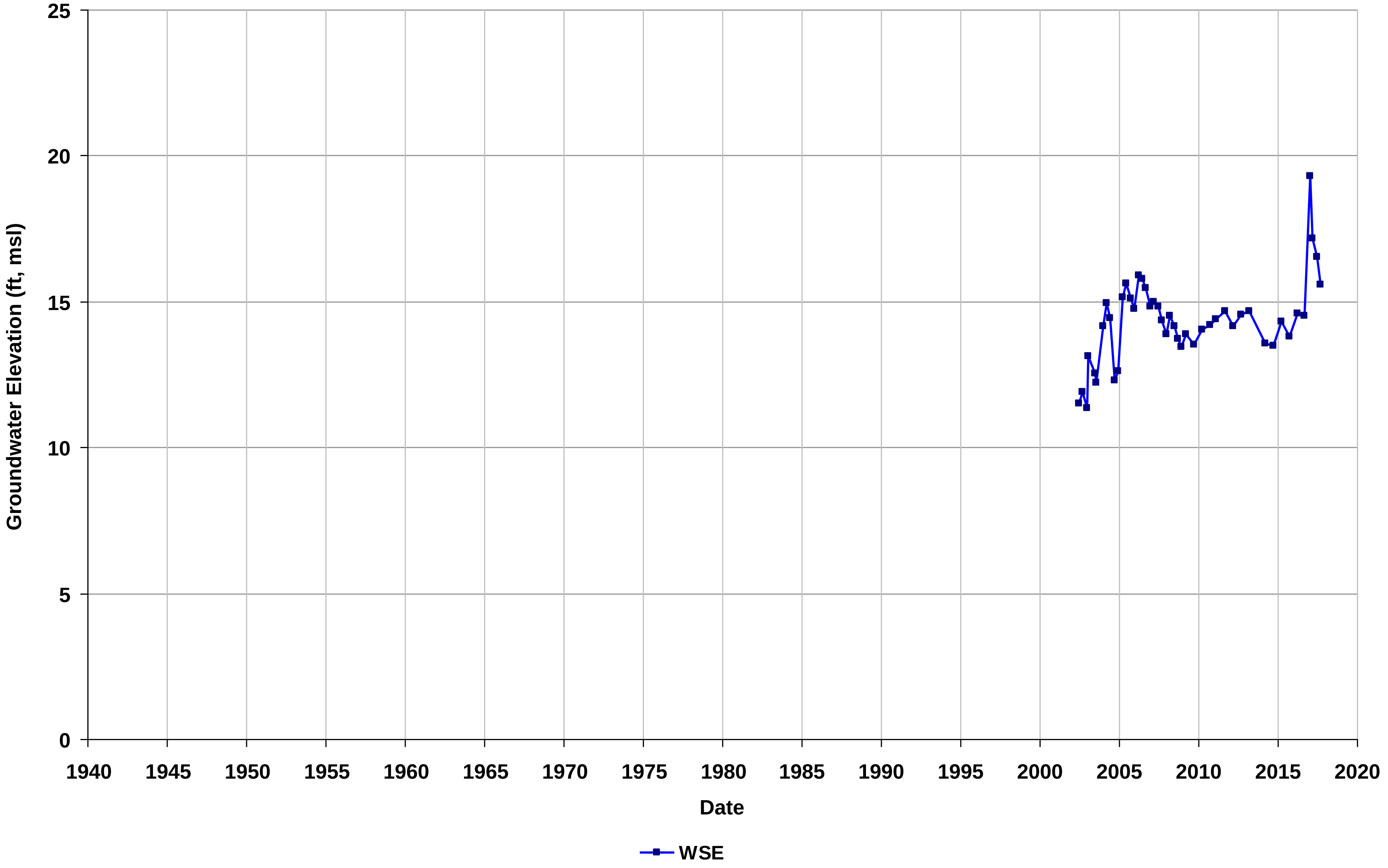
Well Name: T0600100682-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/35
Well Use: Observation



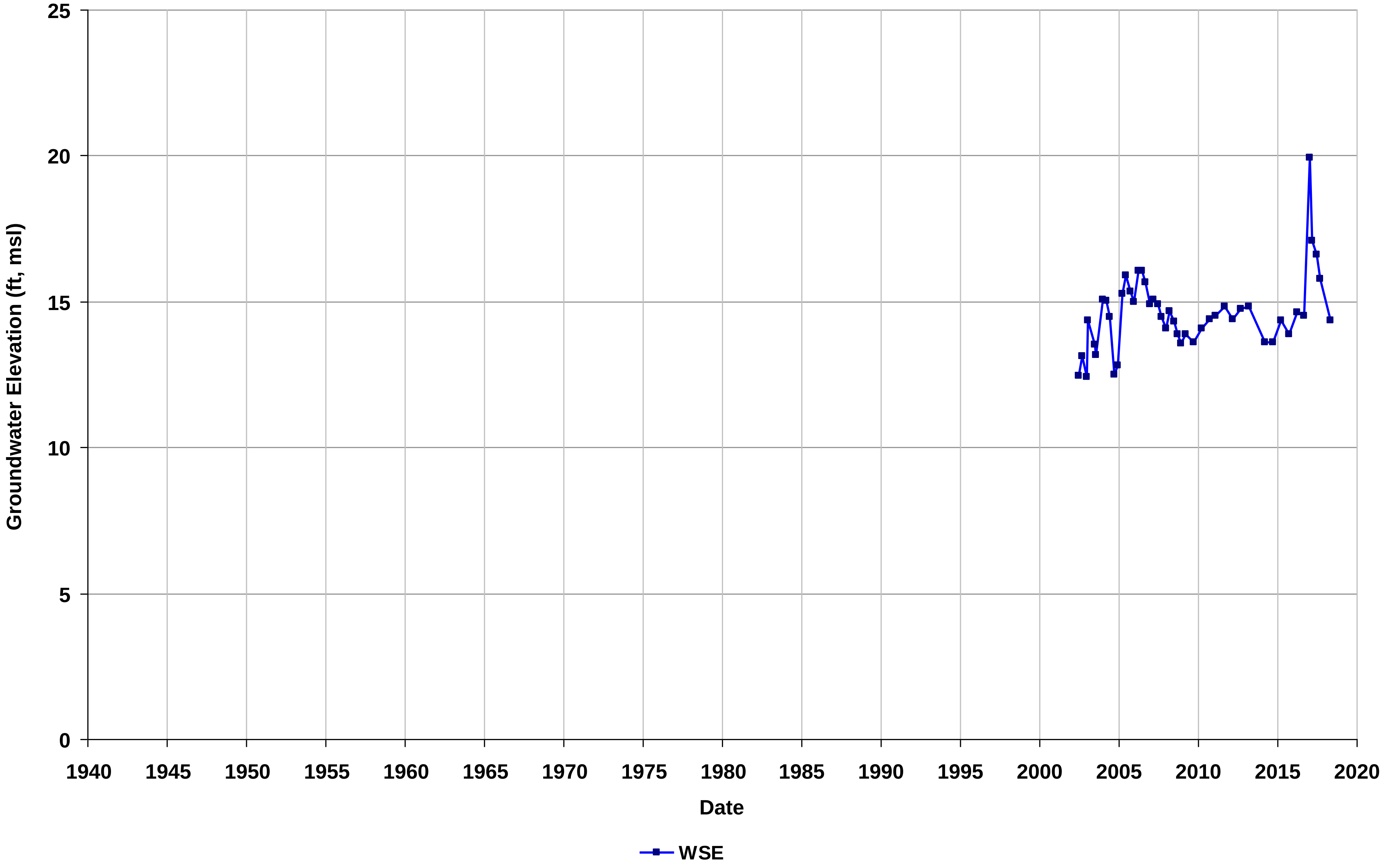
Well Name: T0600100682-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/35
Well Use: Observation



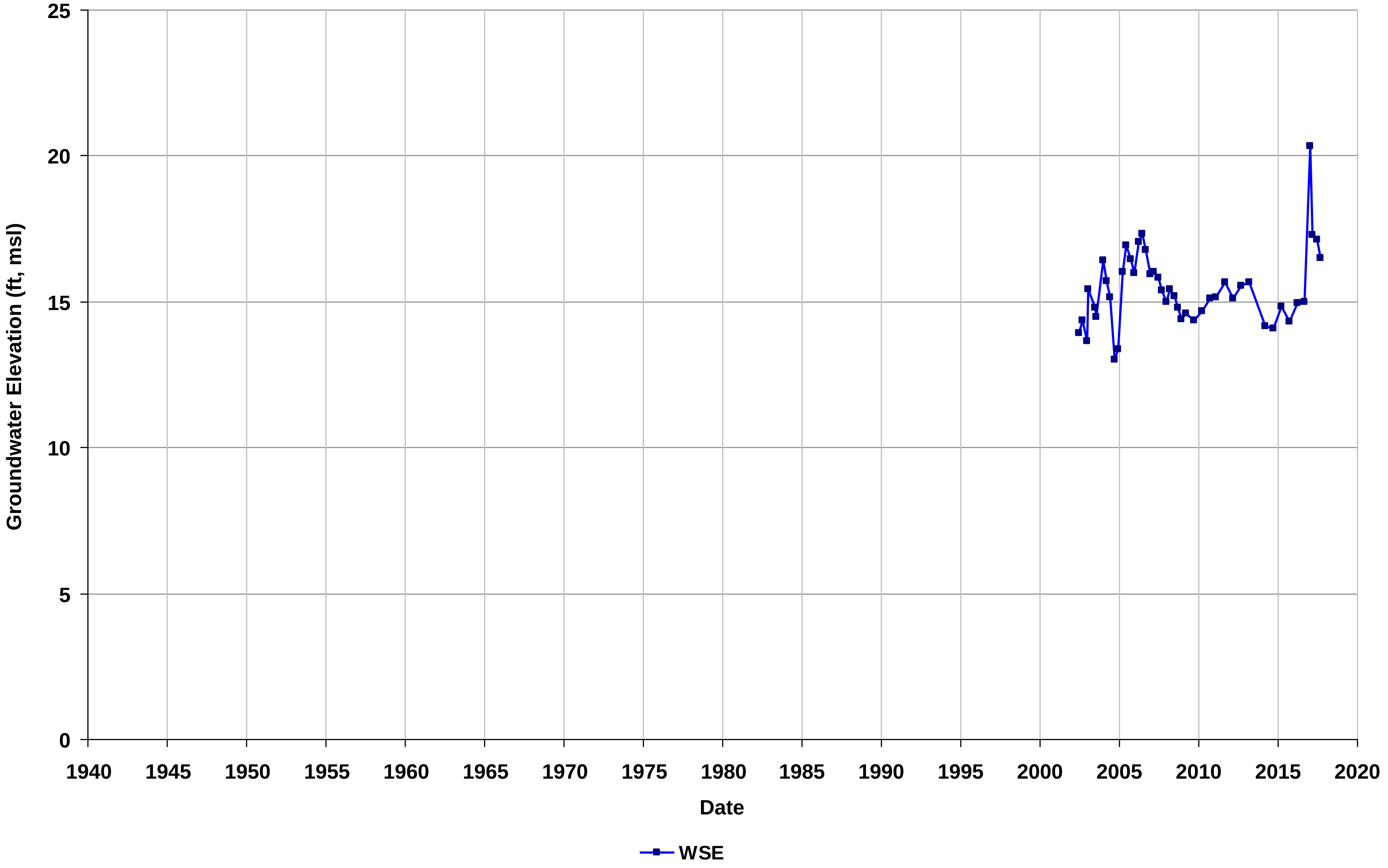
Well Name: T0600100682-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/35
Well Use: Observation



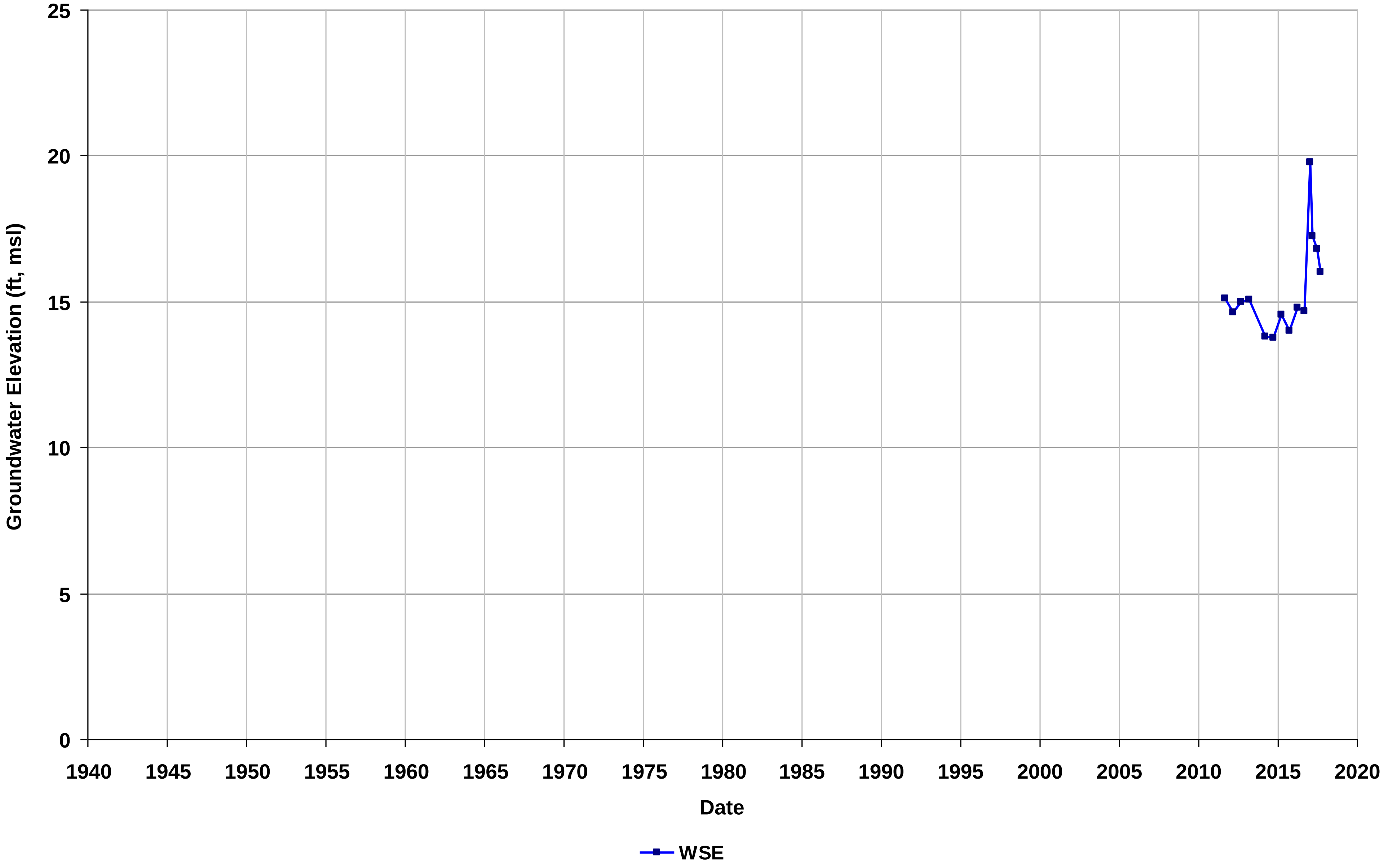
Well Name: T0600100682-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/35
Well Use: Observation



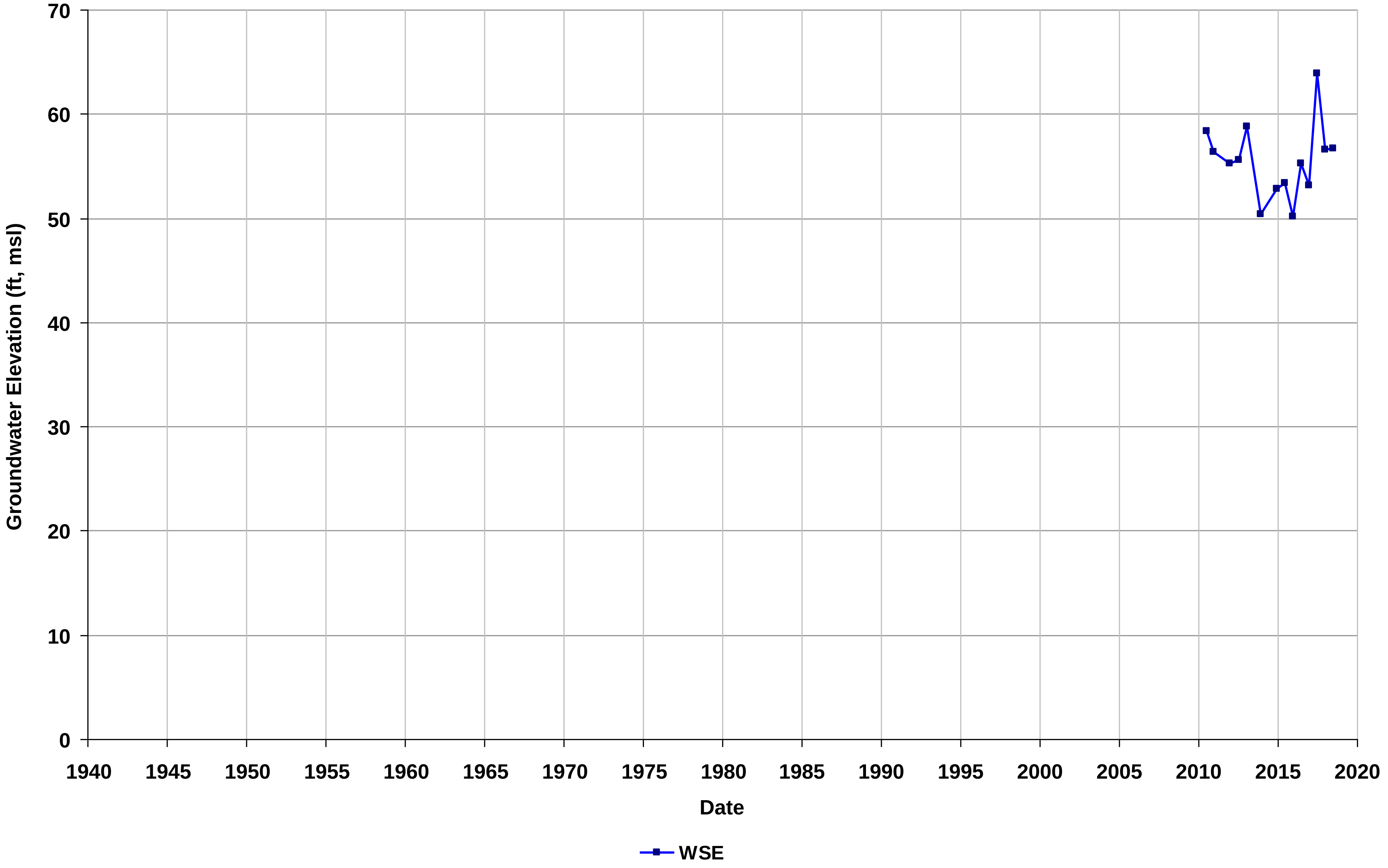
Well Name: T0600100682-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/35
Well Use: Observation



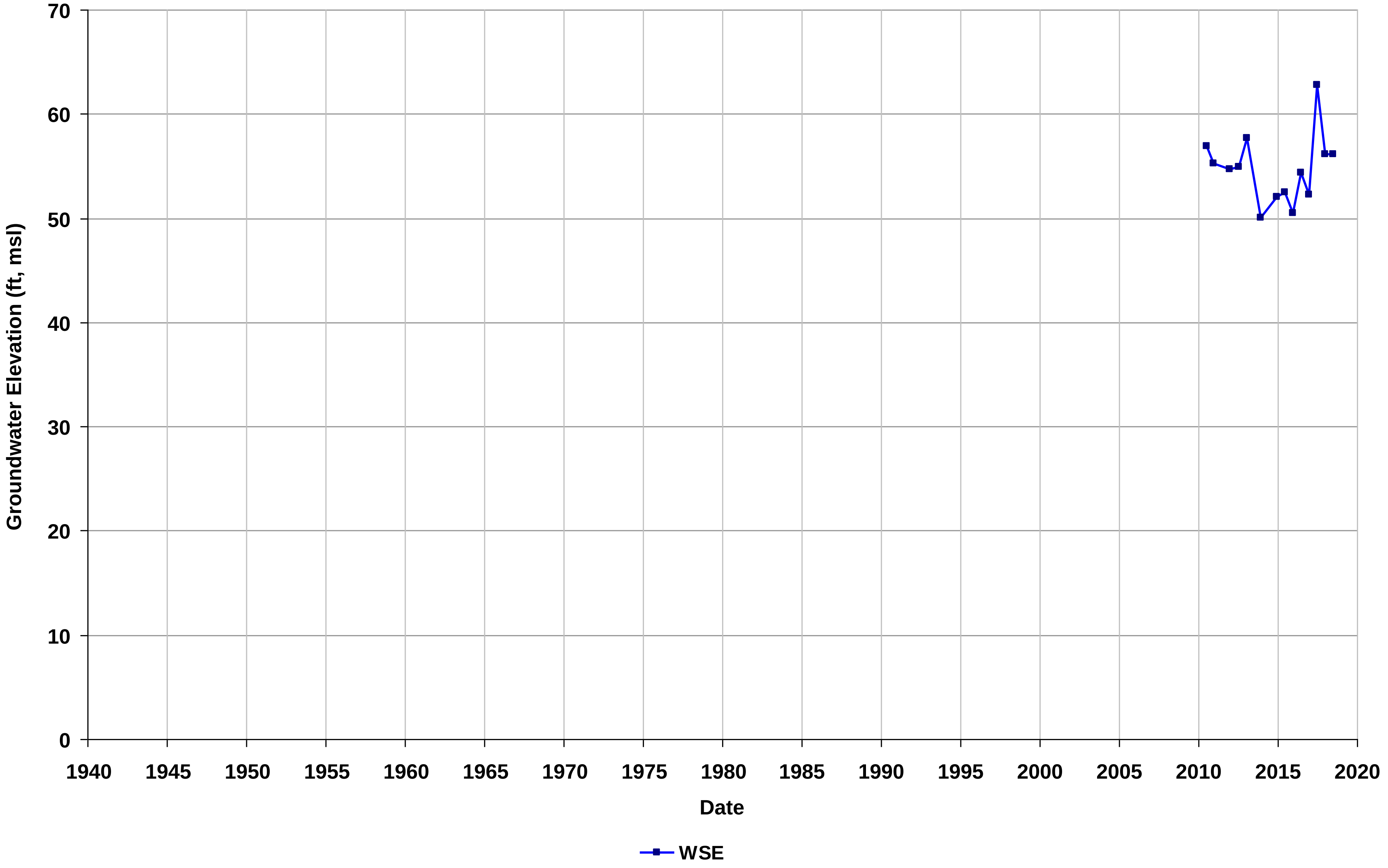
Well Name: T0600100685-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/22
Well Use: Observation



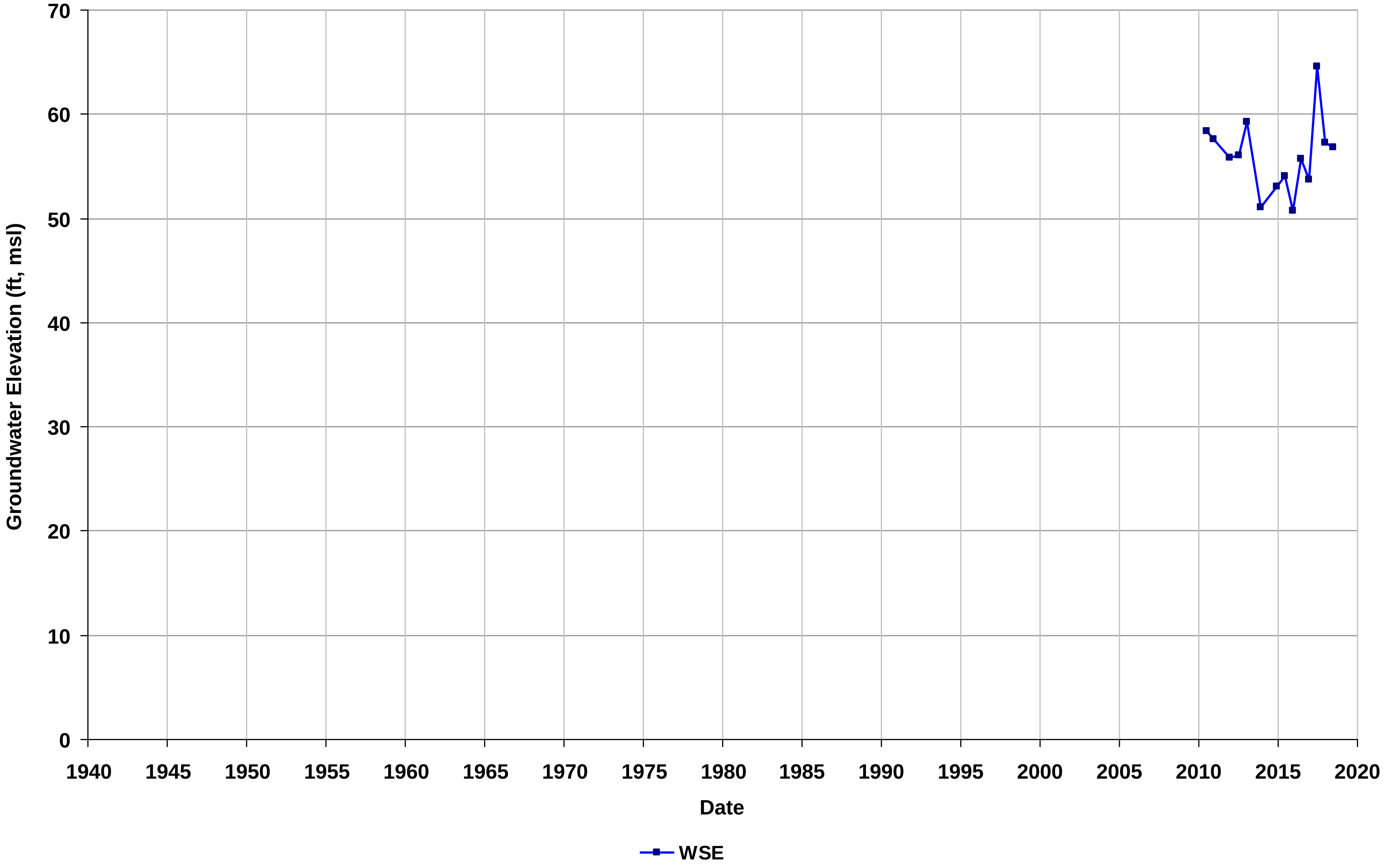
Well Name: T0600100685-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/22
Well Use: Observation



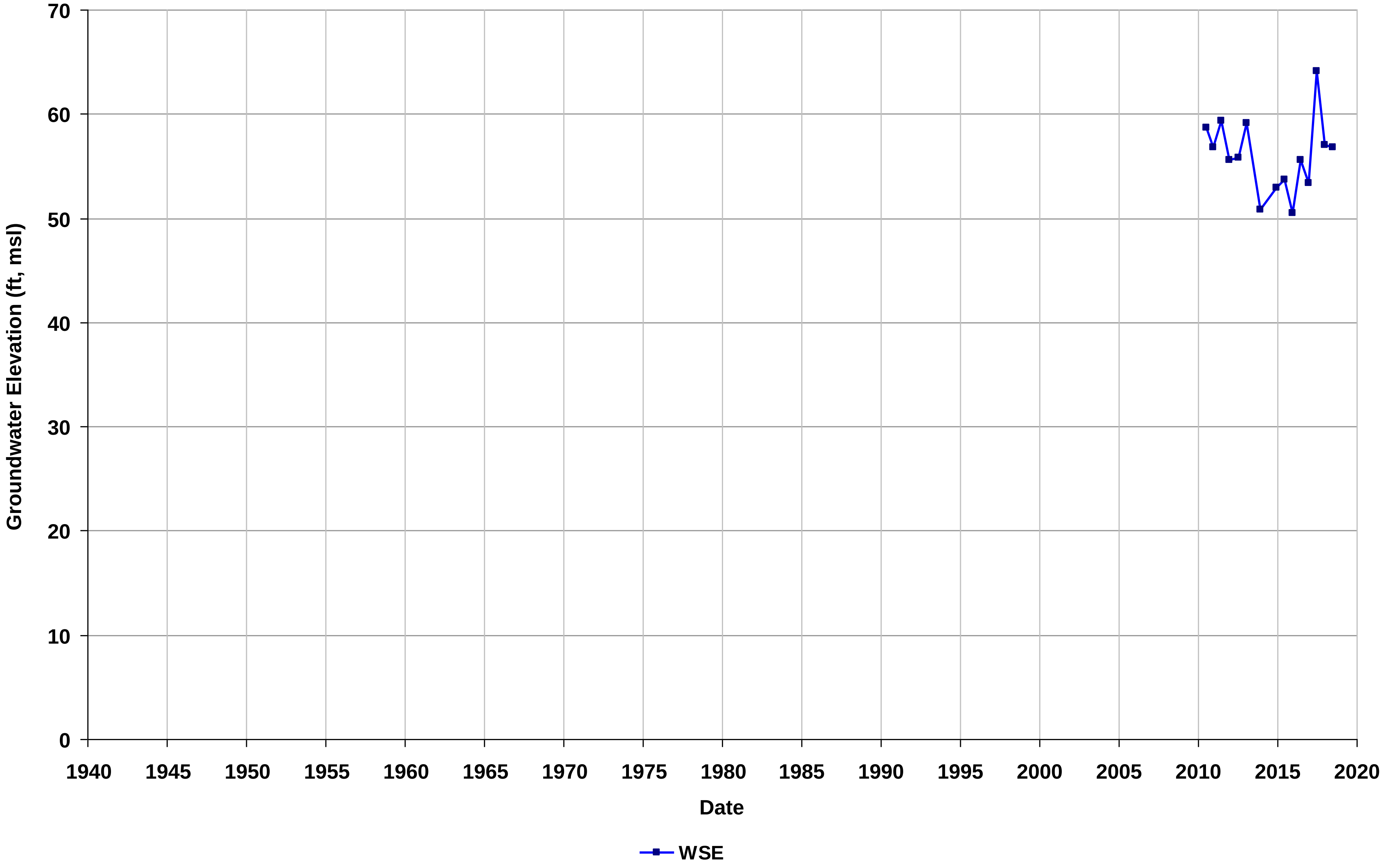
Well Name: T0600100685-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/22
Well Use: Observation



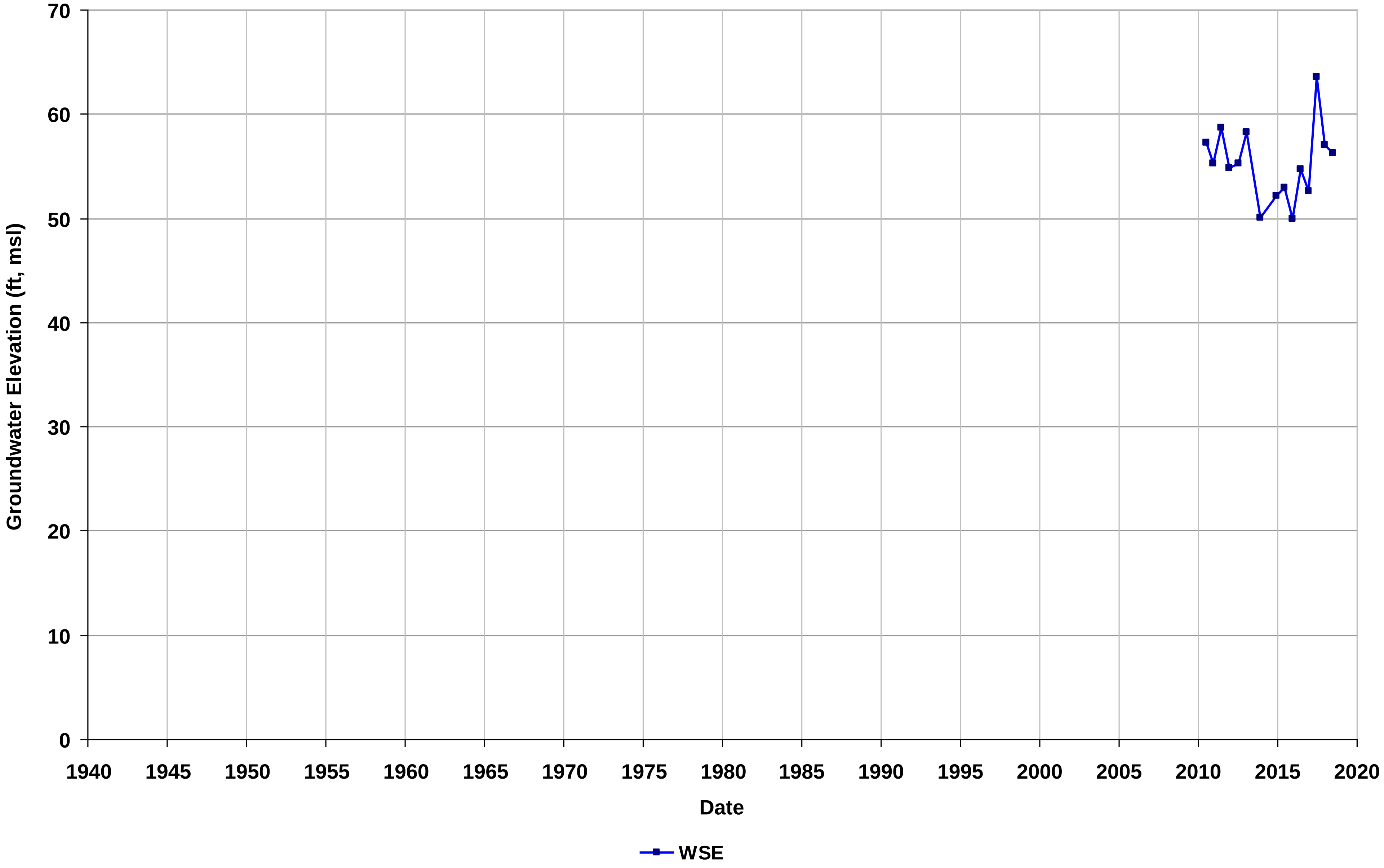
Well Name: T0600100685-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/22
Well Use: Observation



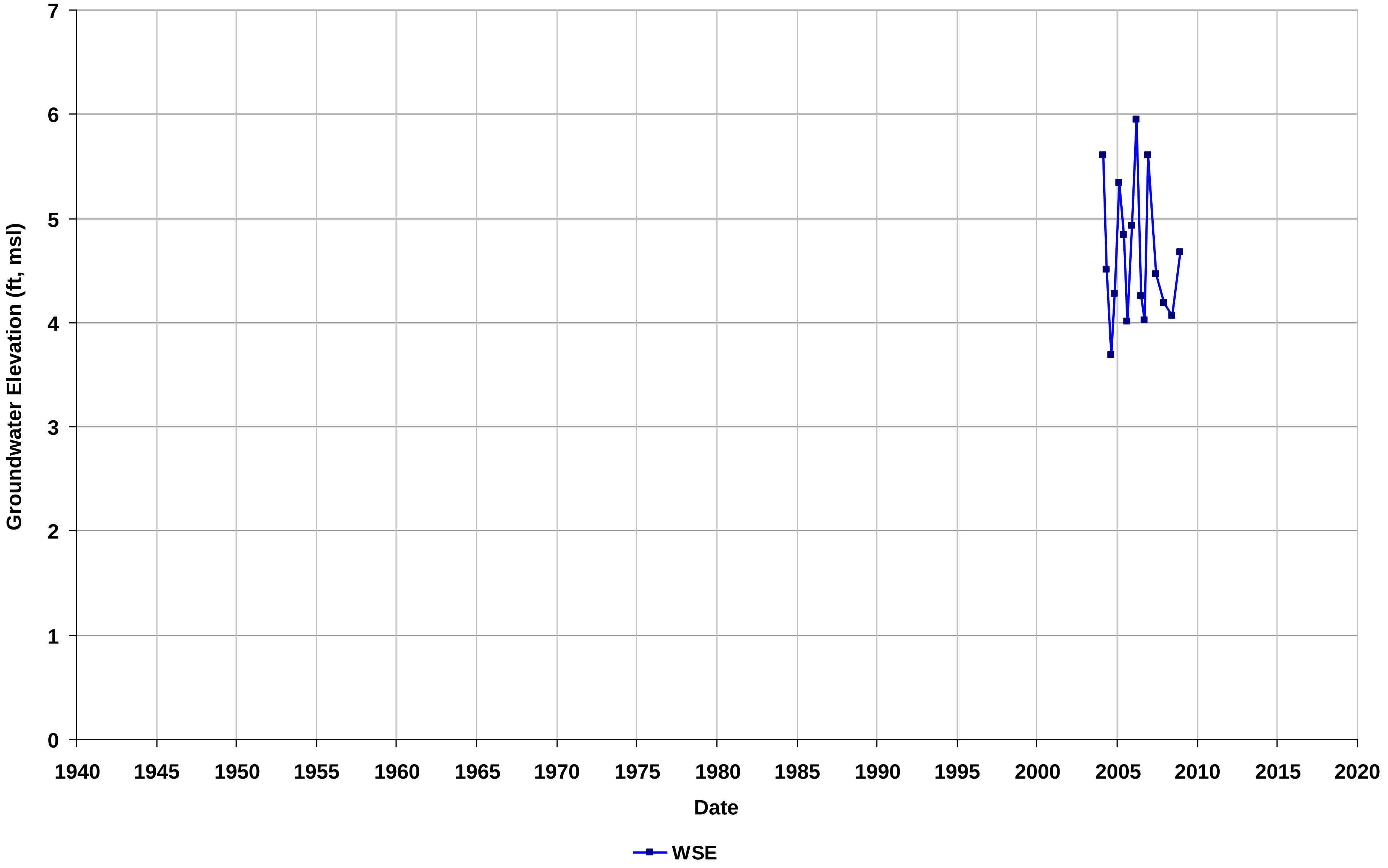
Well Name: T0600100685-MW-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/22
Well Use: Observation



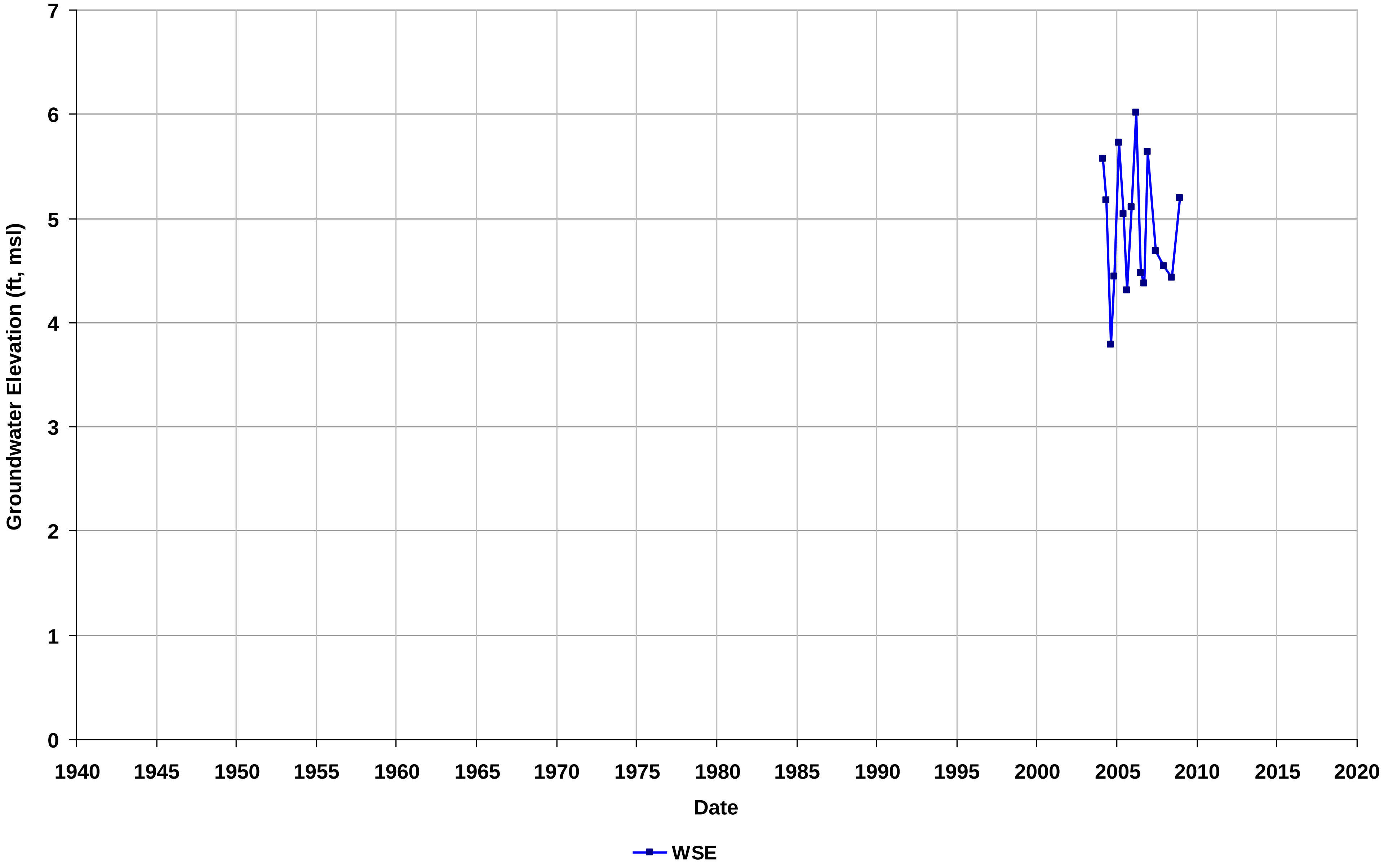
Well Name: T0600100737-MW-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/02
Well Use: Observation



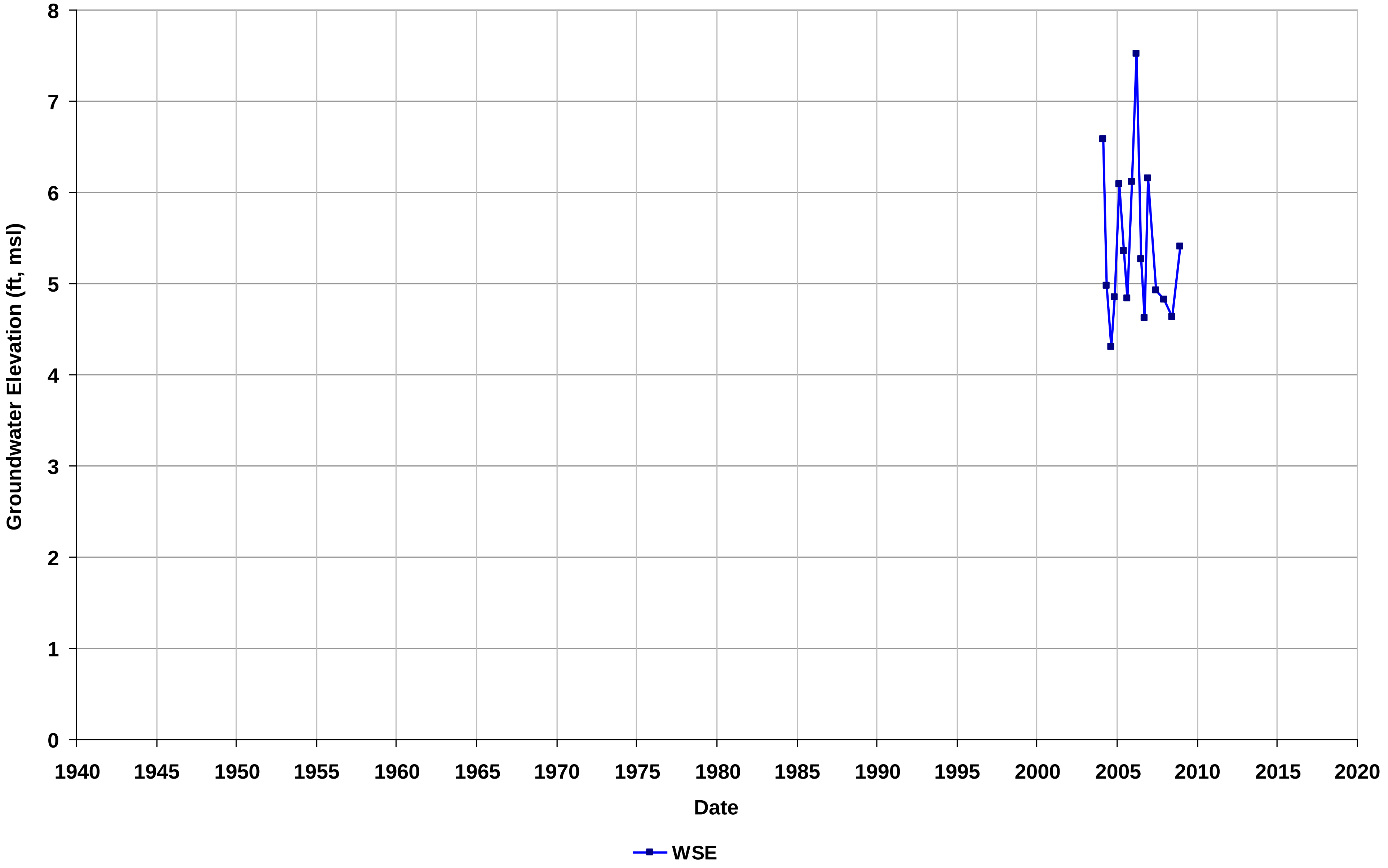
Well Name: T0600100737-MW-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/02
Well Use: Observation



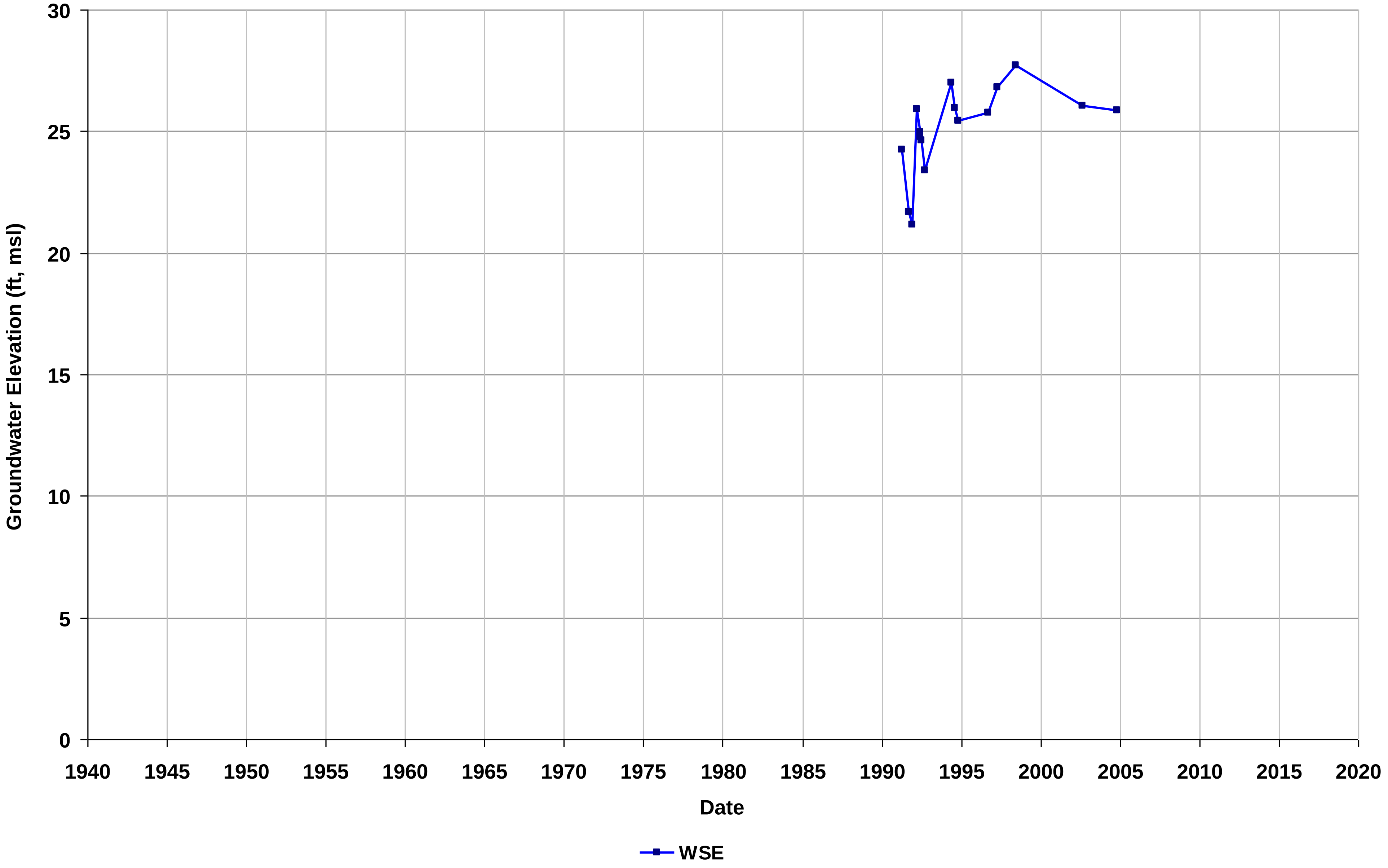
Well Name: T0600100737-MW-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/02
Well Use: Observation



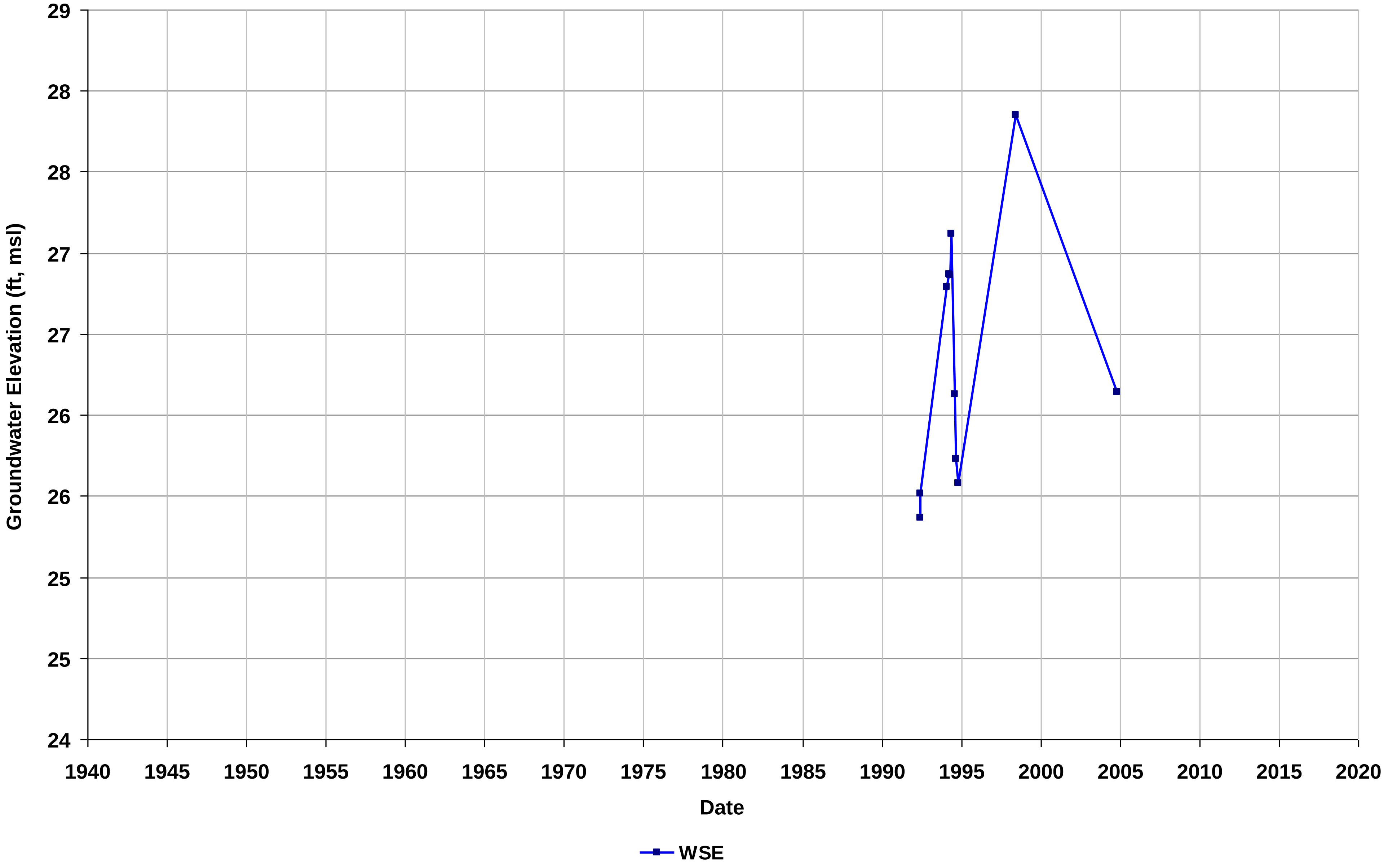
Well Name: T0600100763-MW-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



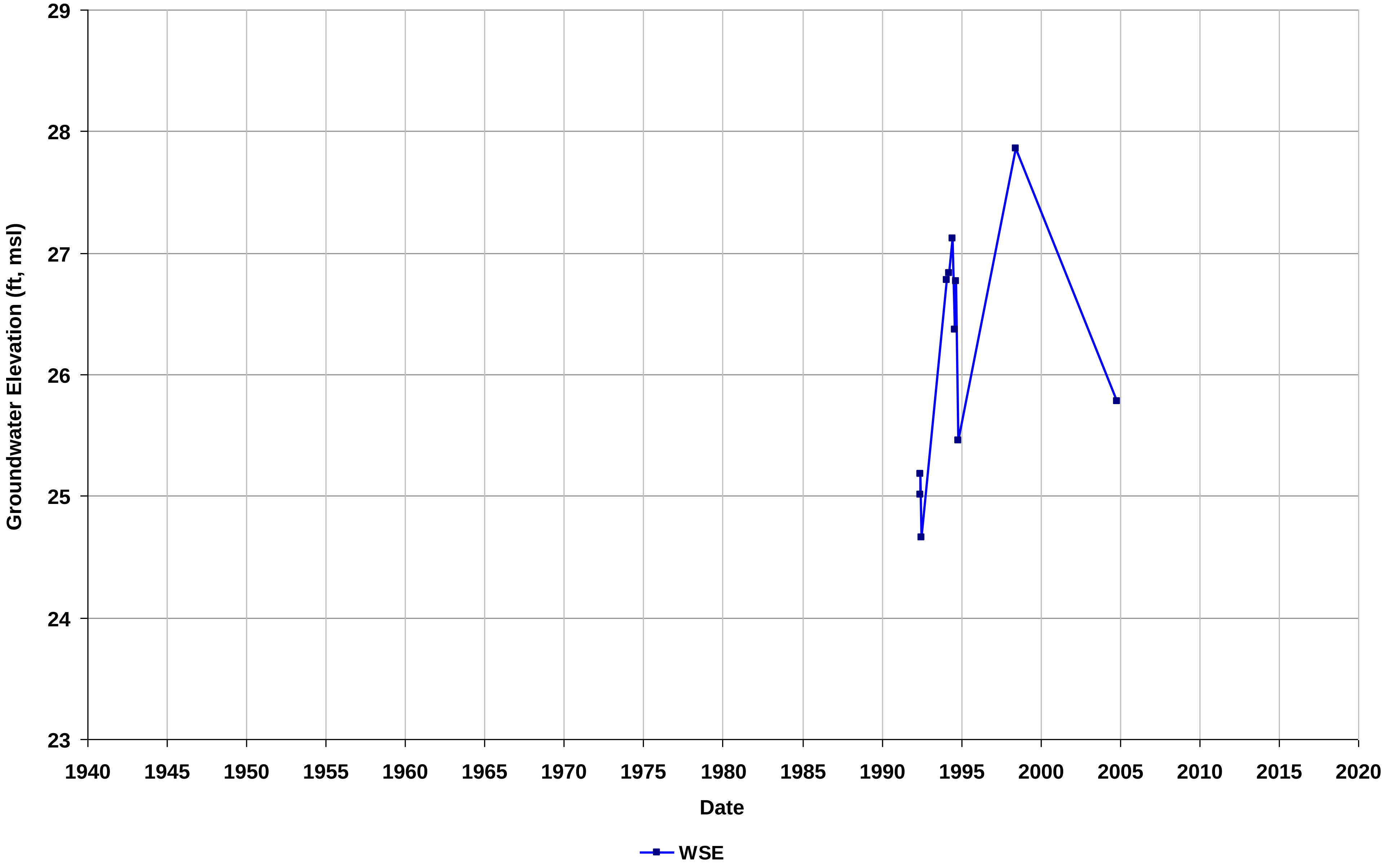
Well Name: T0600100763-P-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



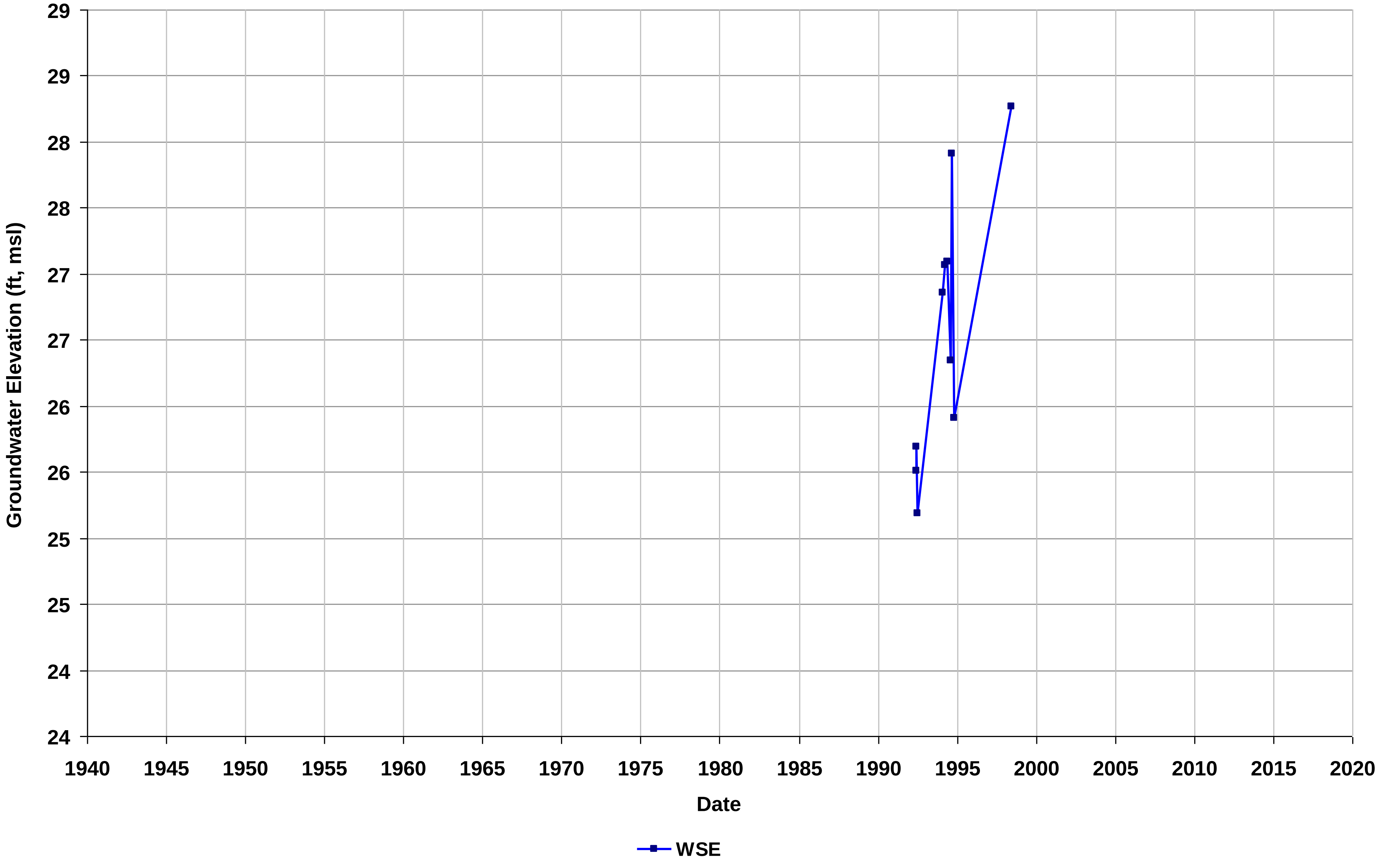
Well Name: T0600100763-P-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



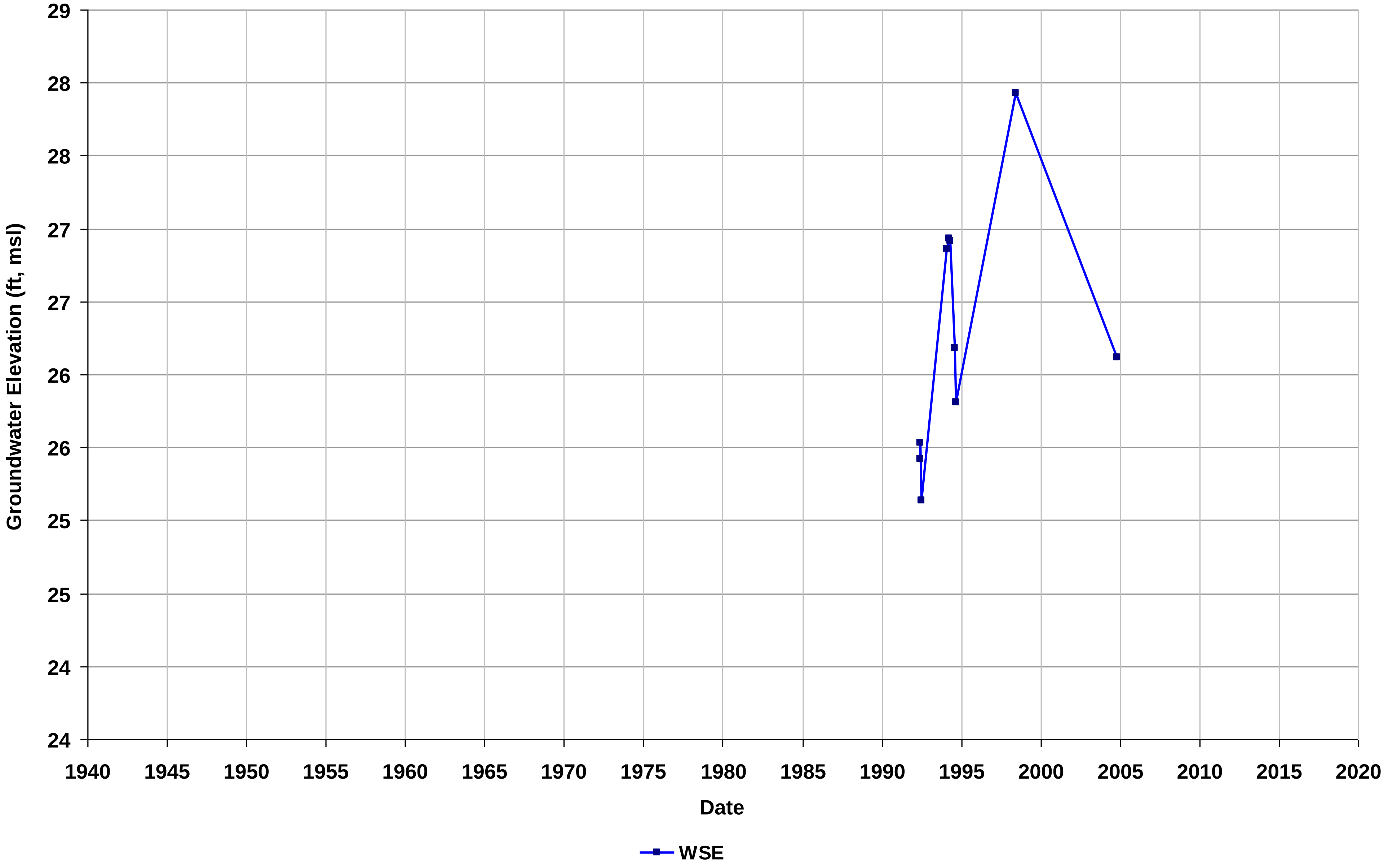
Well Name: T0600100763-P-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



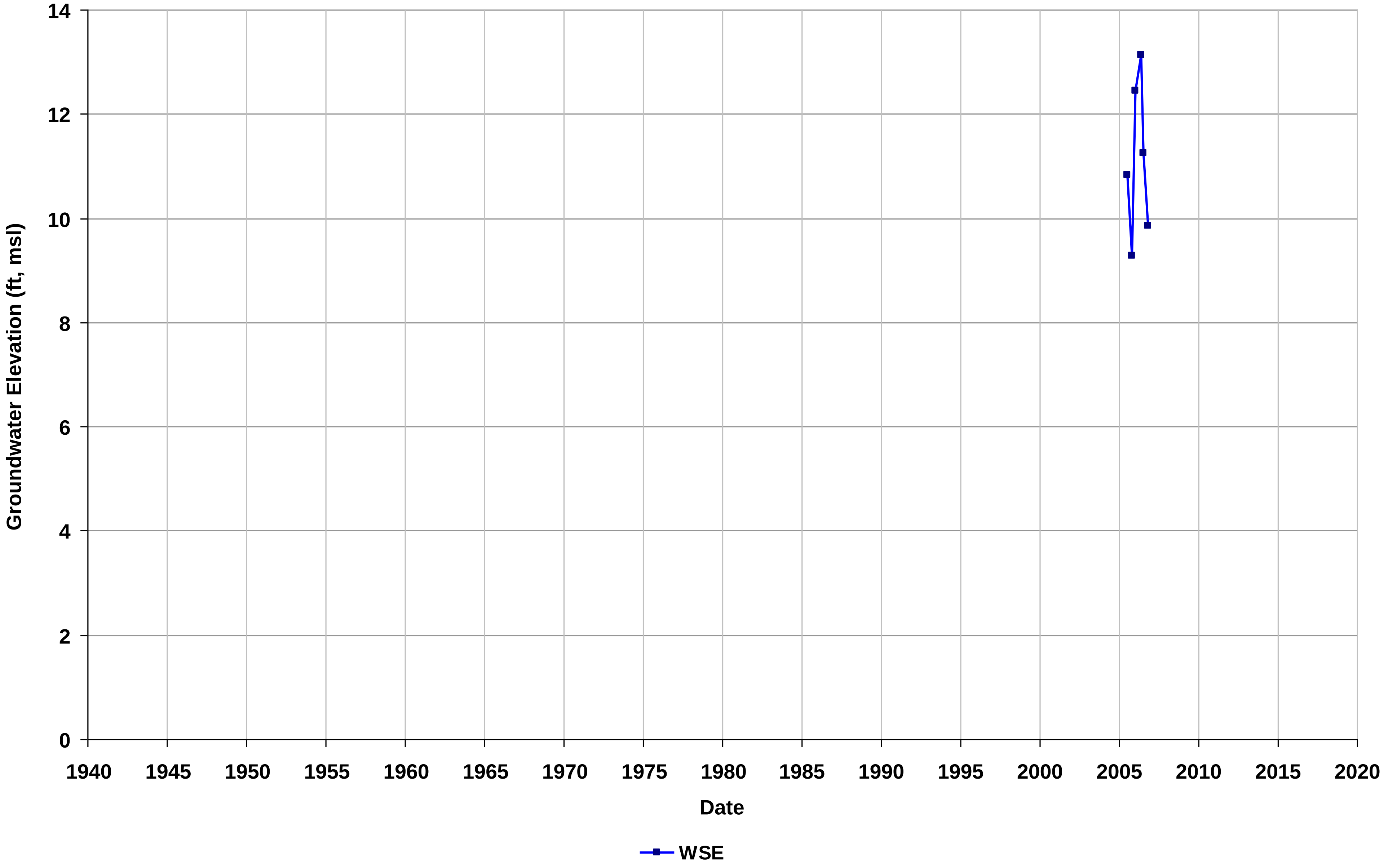
Well Name: T0600100763-PT-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



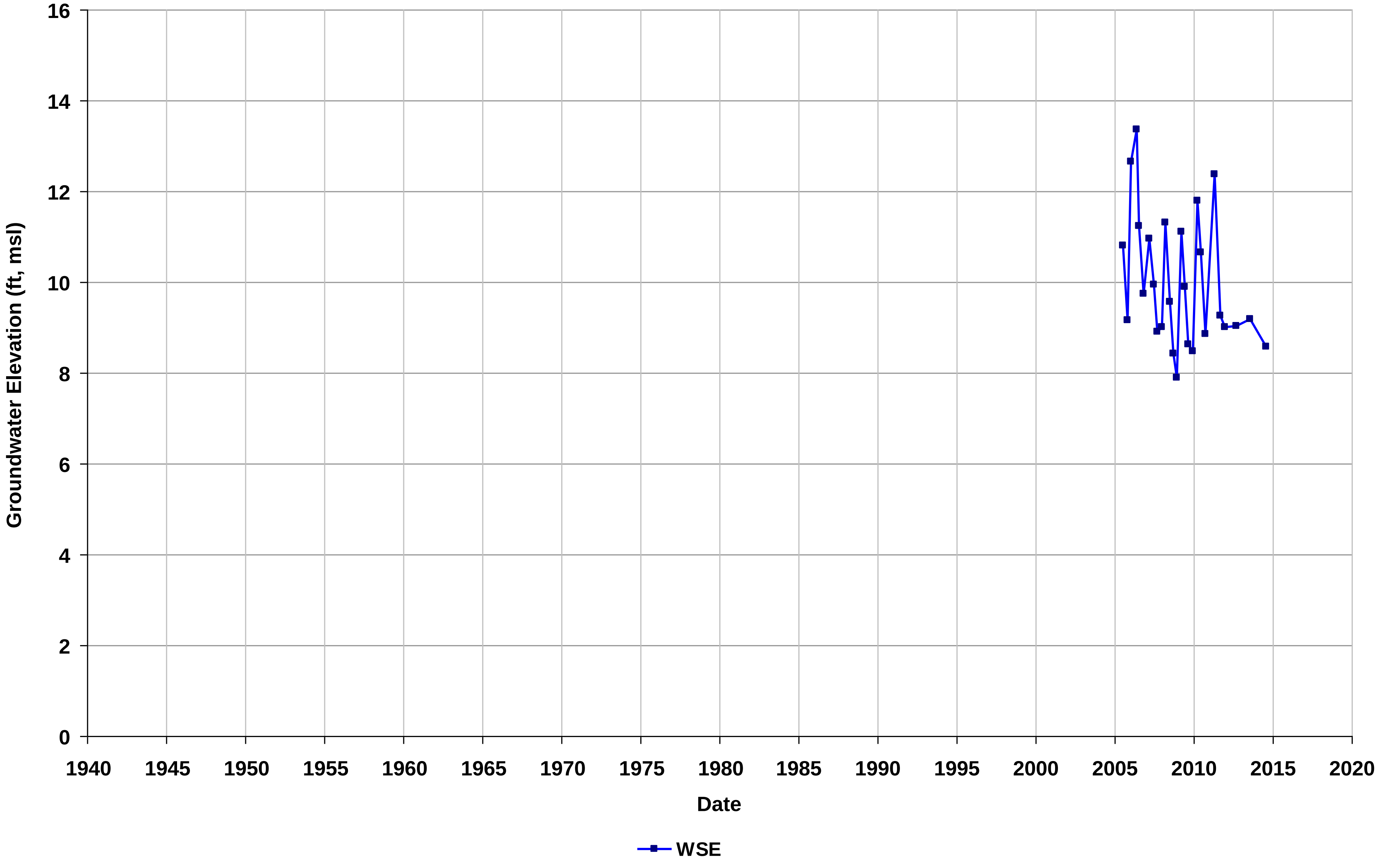
Well Name: T0600100766-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/04W/11
Well Use: Observation



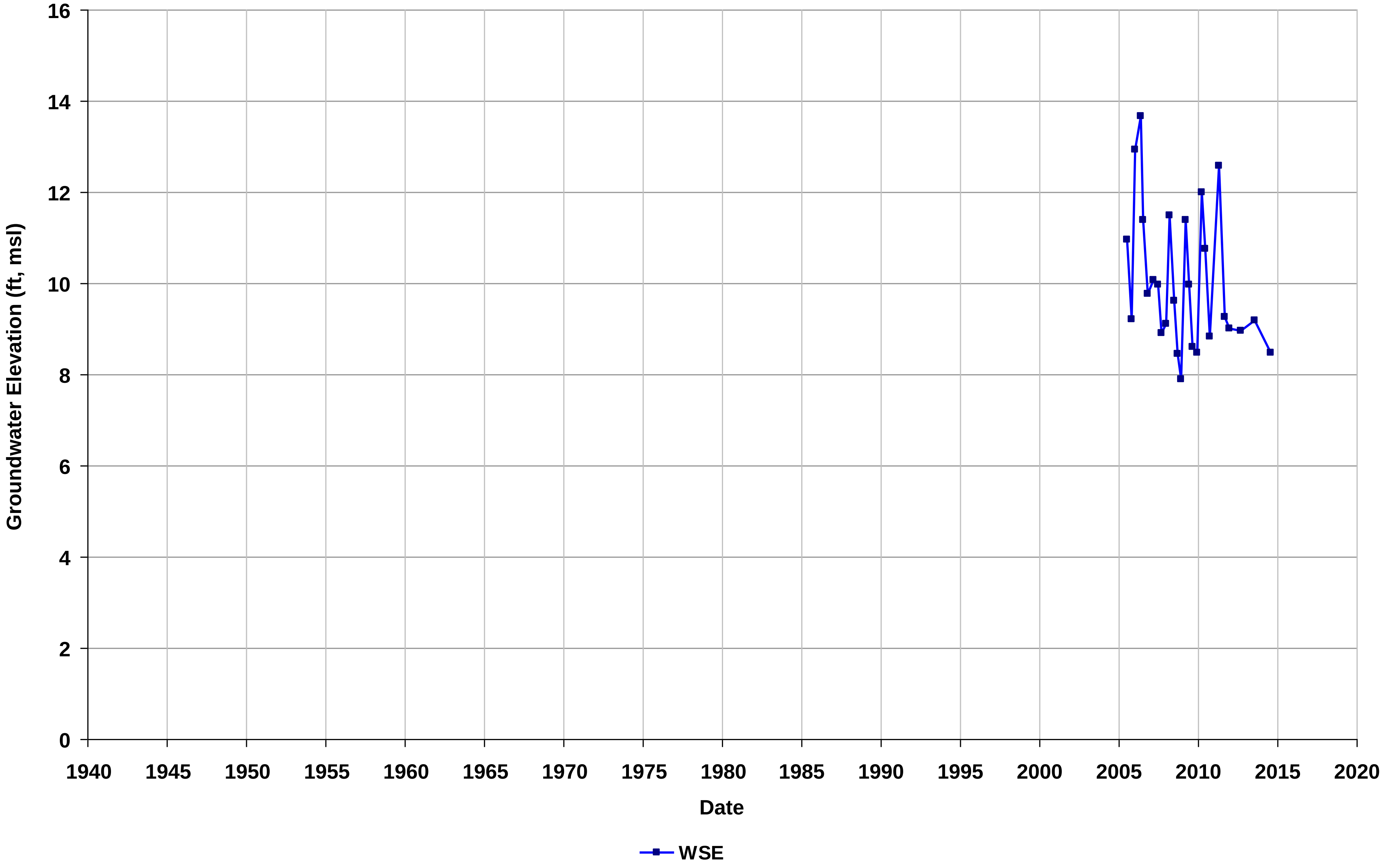
Well Name: T0600100766-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/04W/11
Well Use: Observation



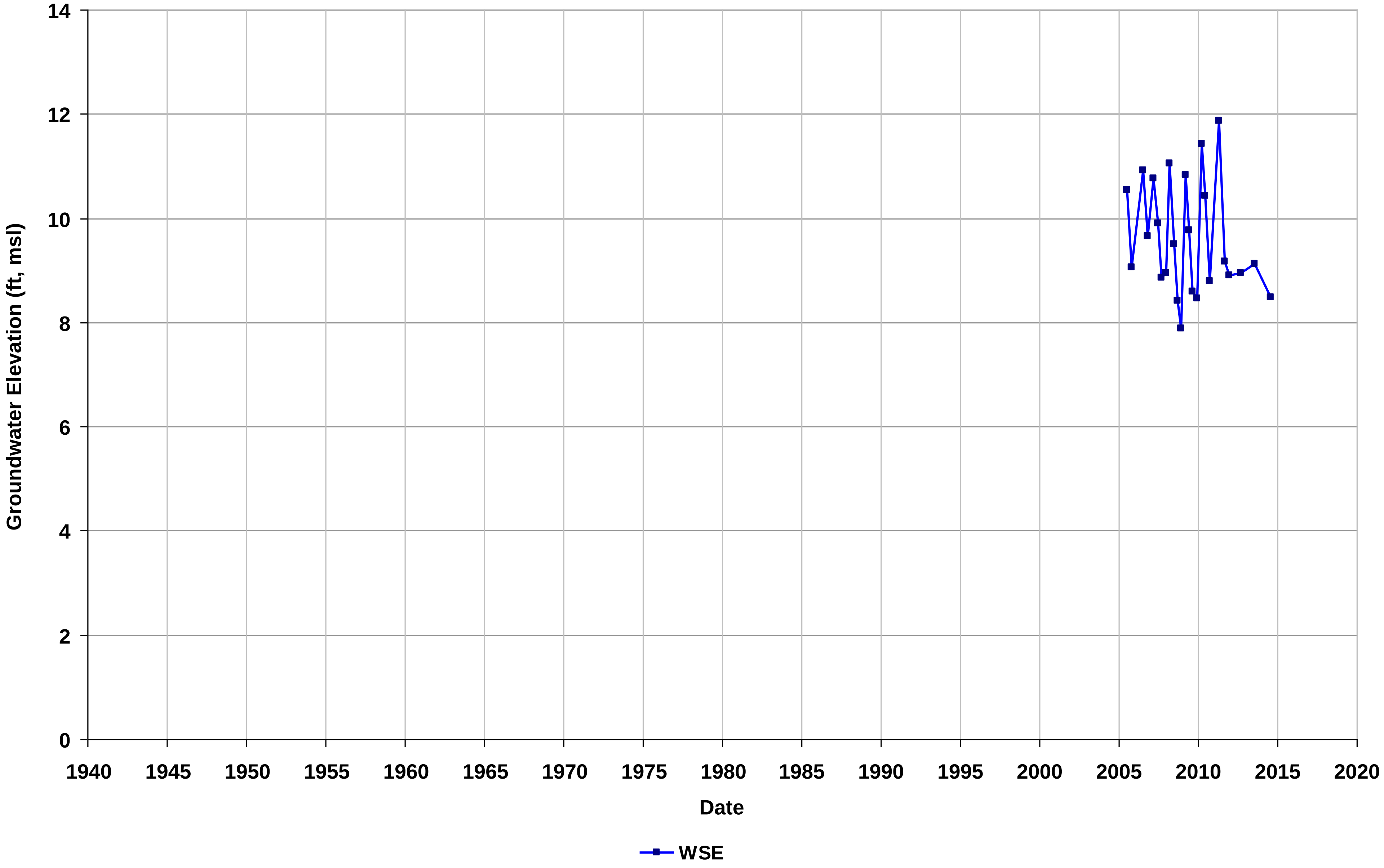
Well Name: T0600100766-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/04W/11
Well Use: Observation



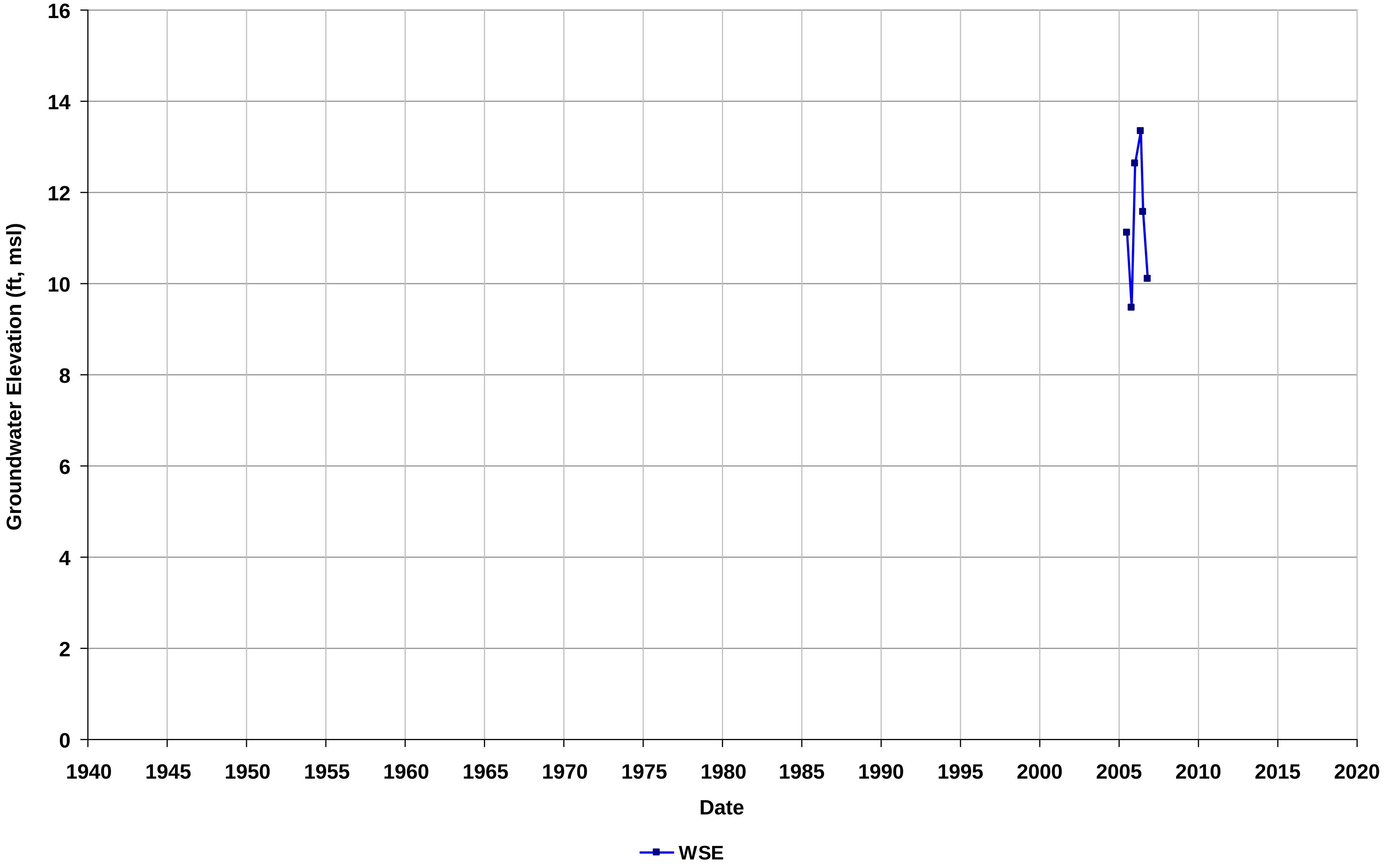
Well Name: T0600100766-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/04W/11
Well Use: Observation



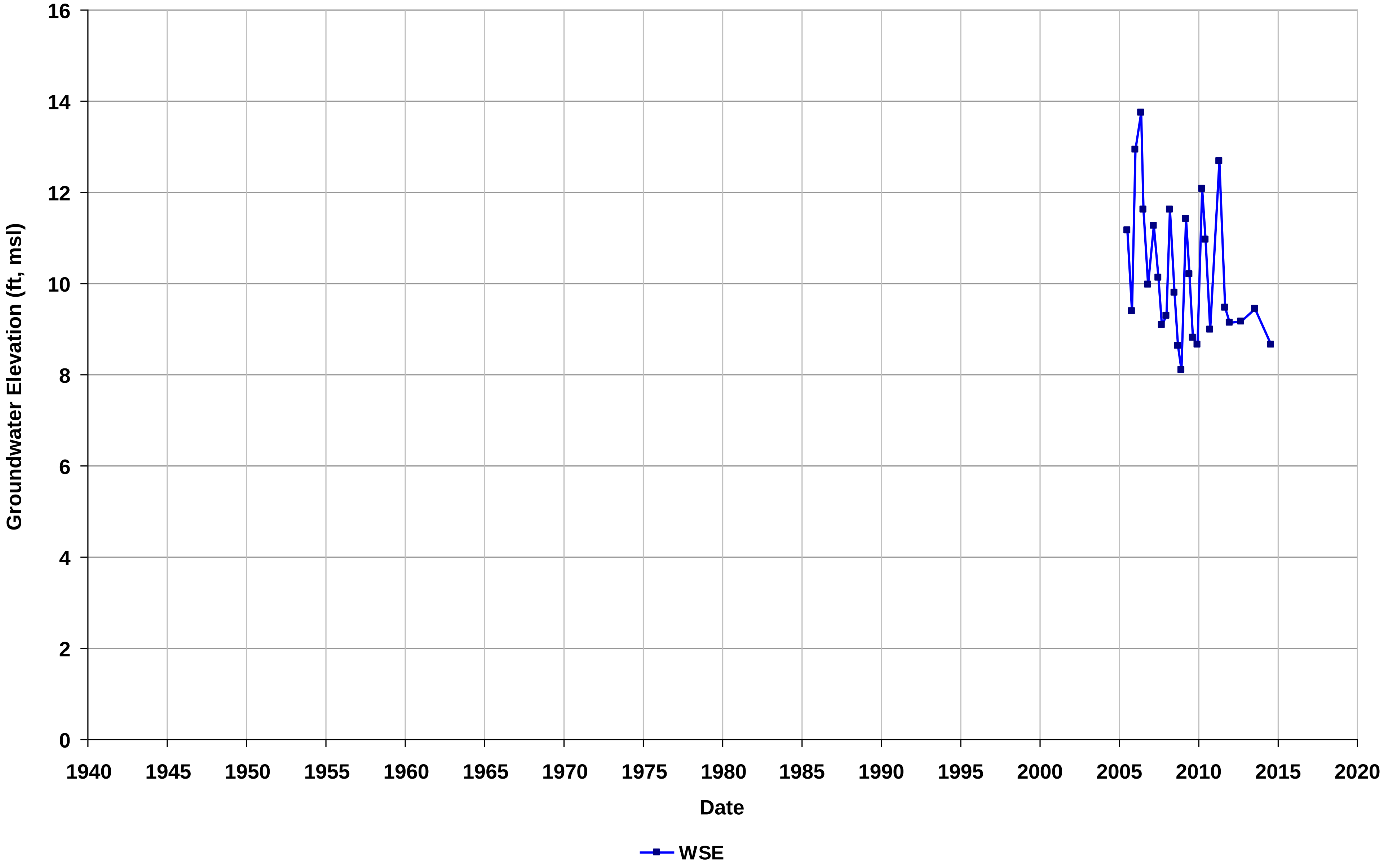
Well Name: T0600100766-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/04W/11
Well Use: Observation



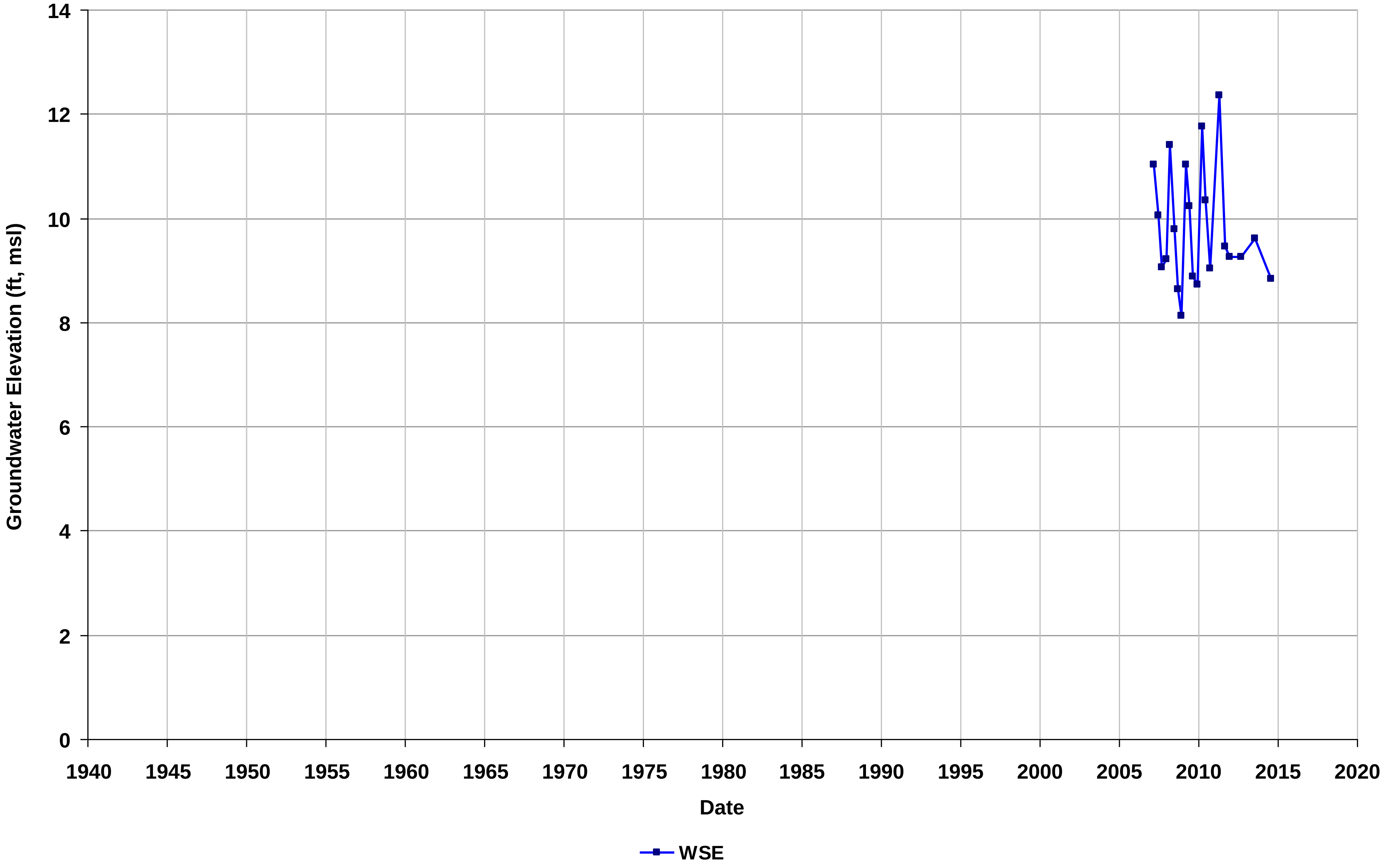
Well Name: T0600100766-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/04W/11
Well Use: Observation



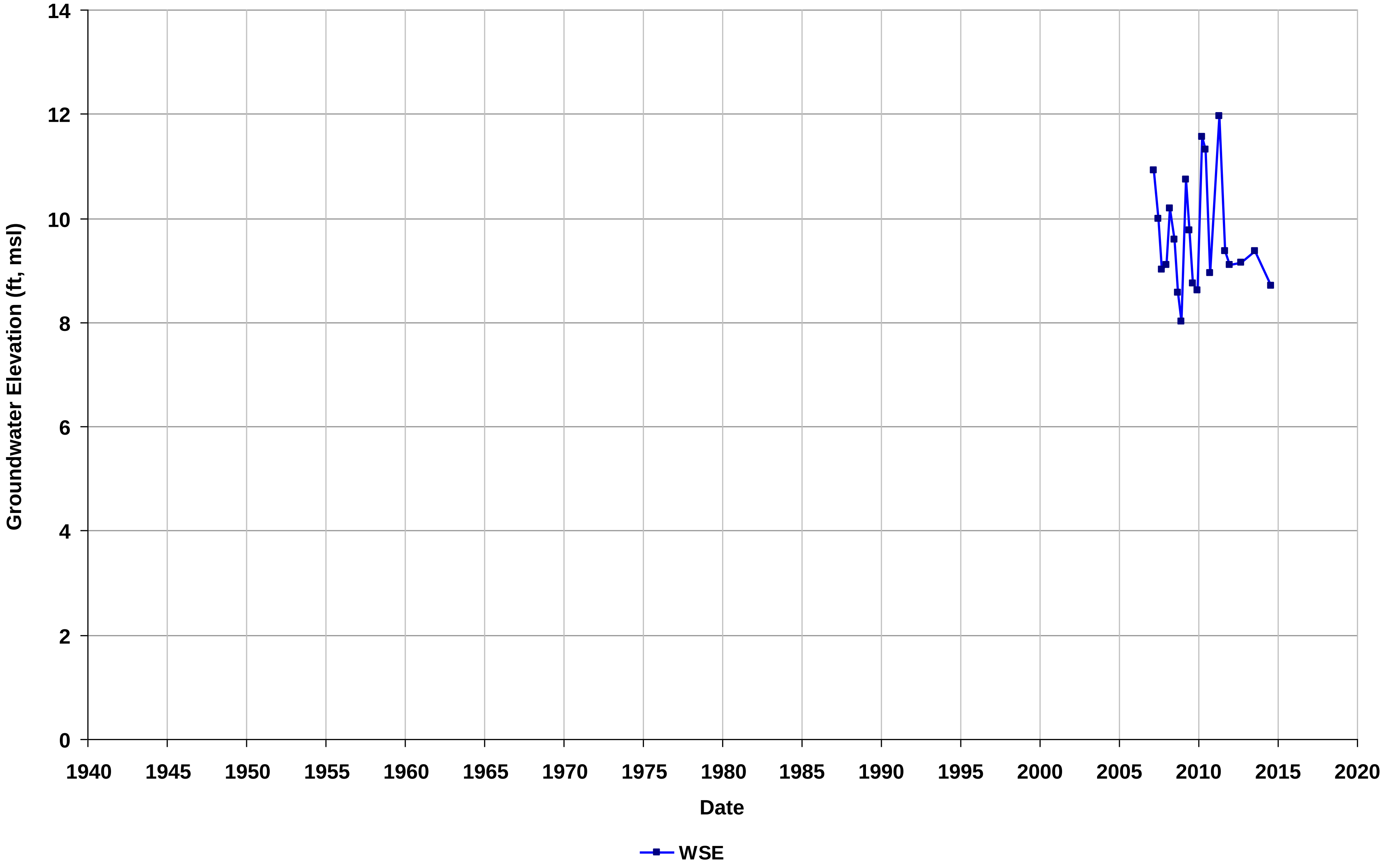
Well Name: T0600100766-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/04W/11
Well Use: Observation



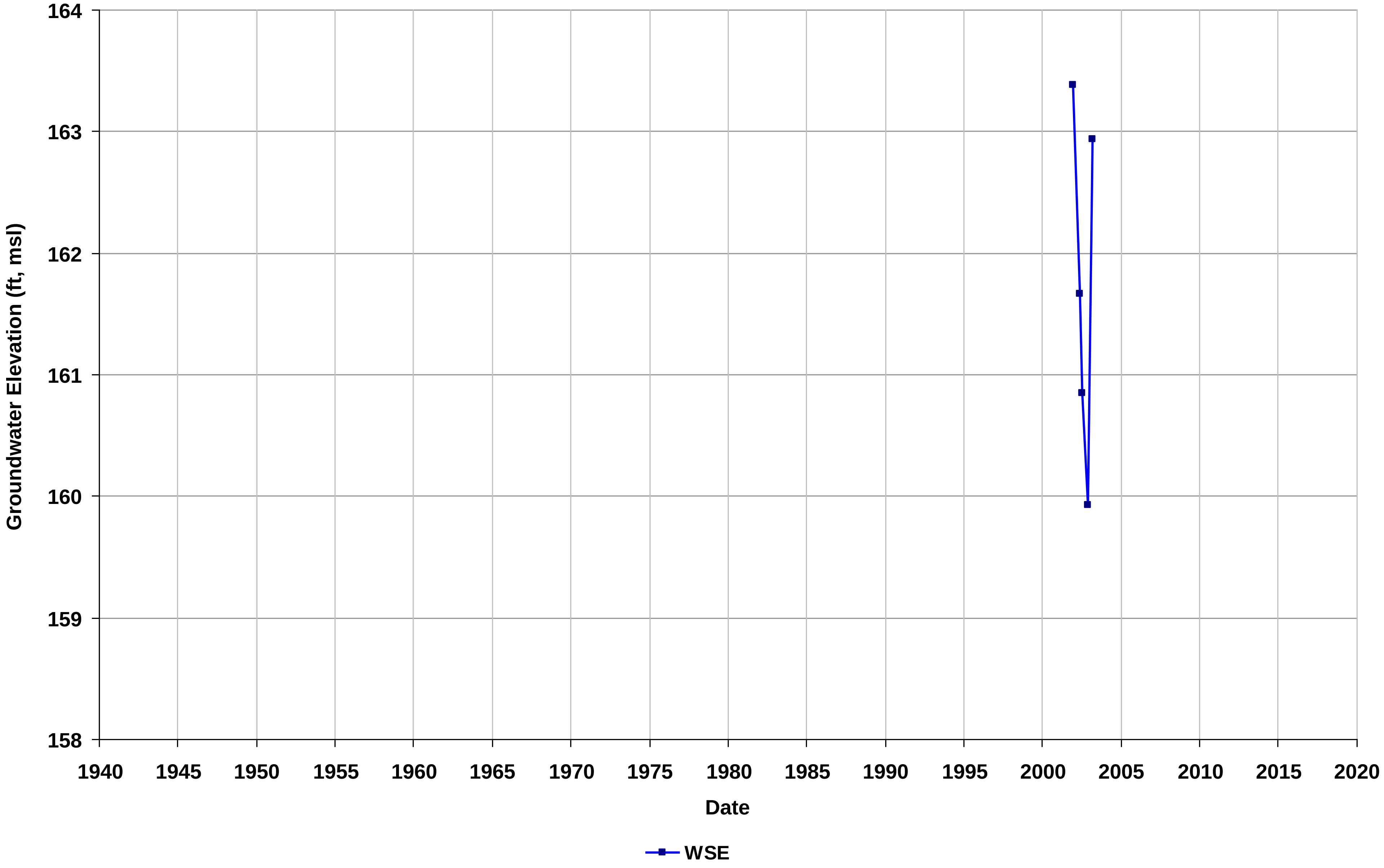
Well Name: T0600100766-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/04W/11
Well Use: Observation



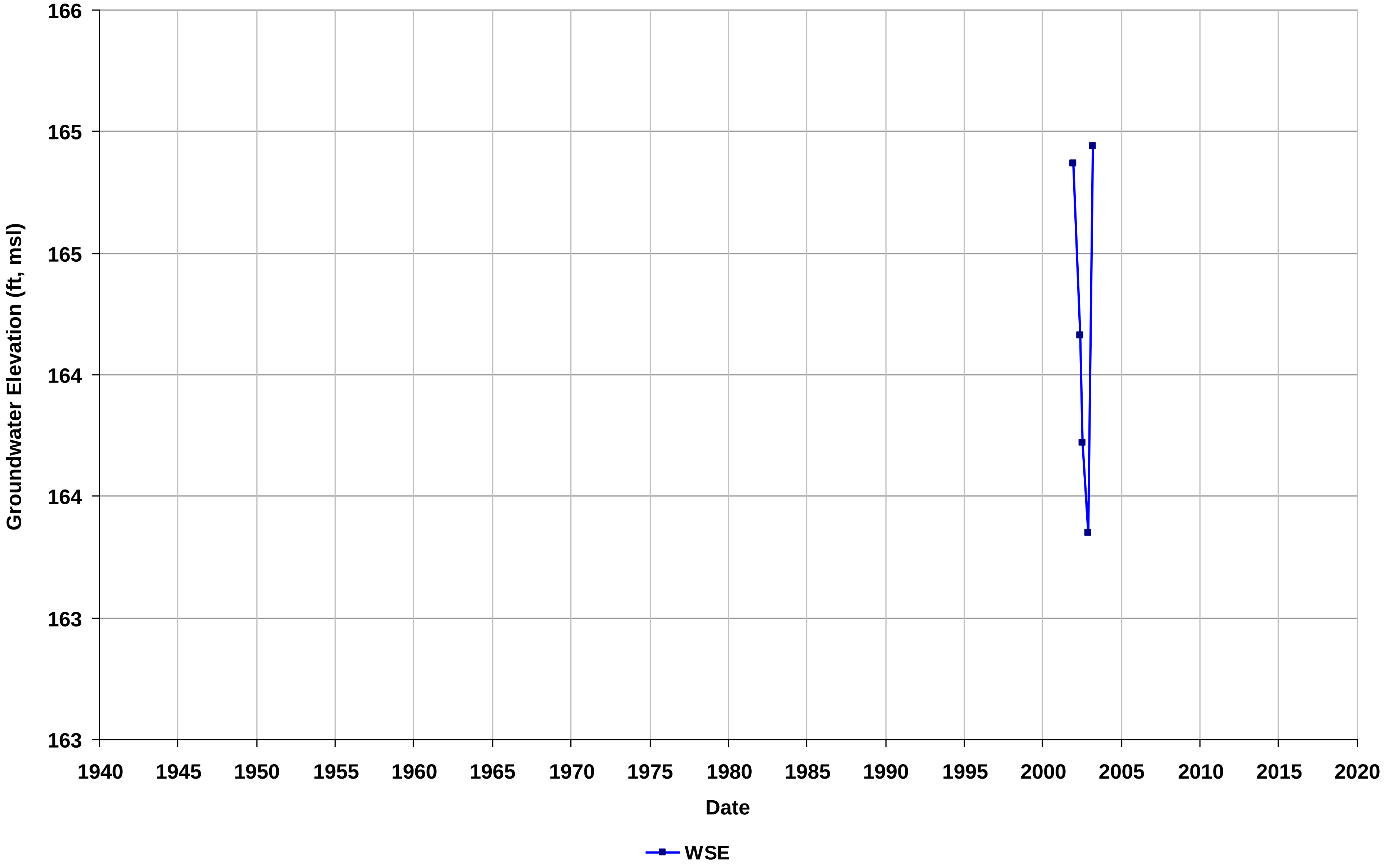
Well Name: T0600100787-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/02
Well Use: Observation



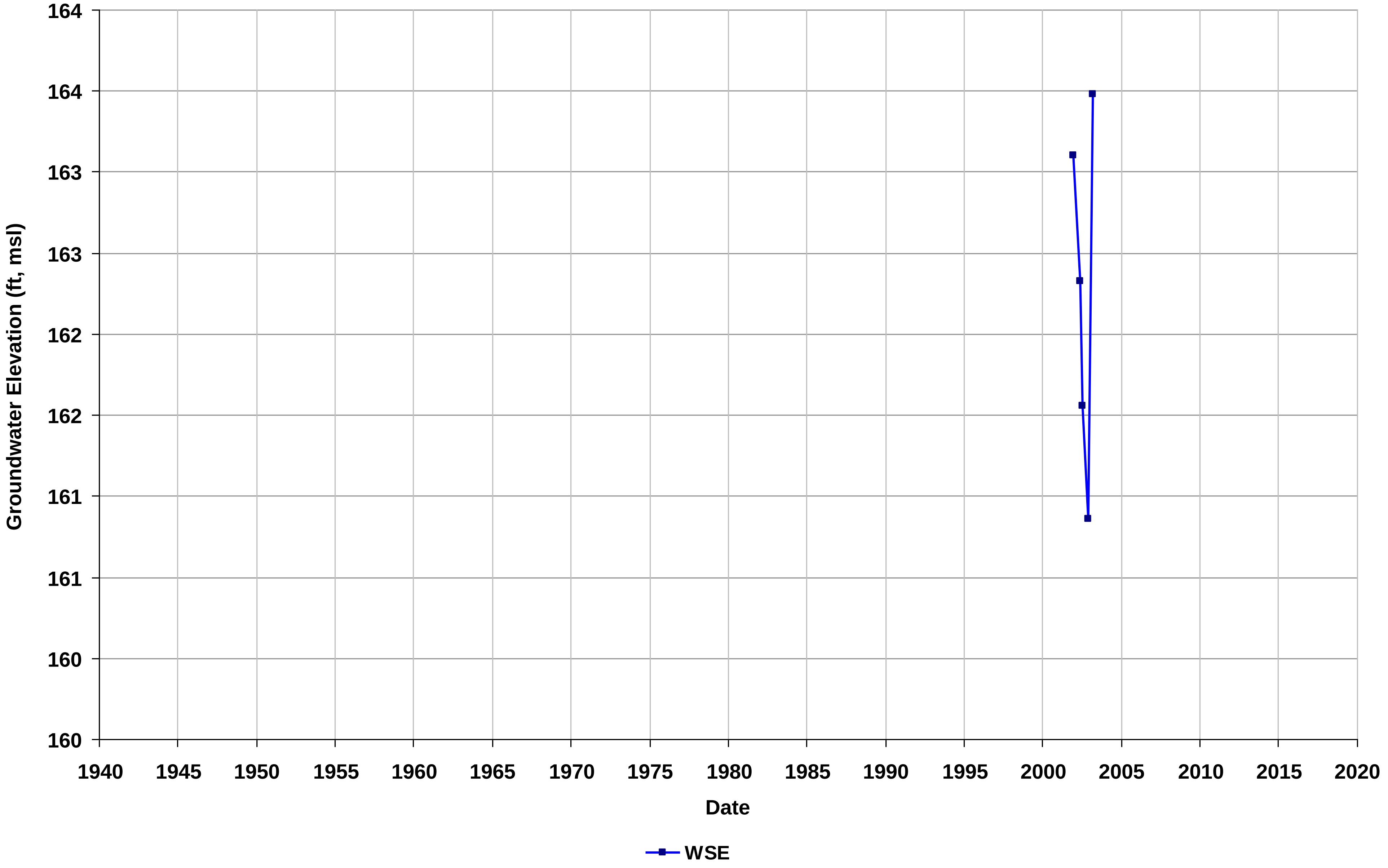
Well Name: T0600100787-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/02
Well Use: Observation



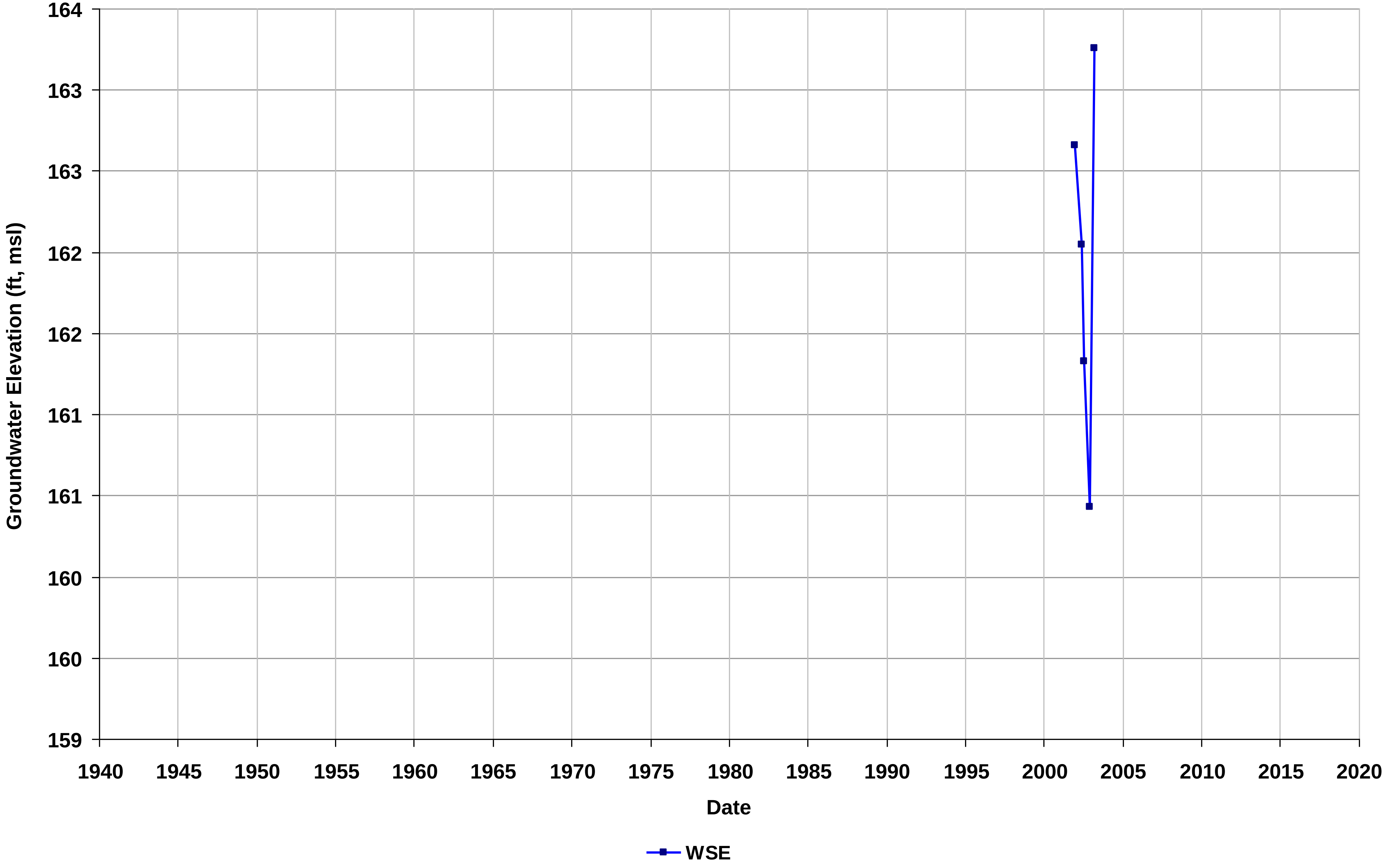
Well Name: T0600100787-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/02
Well Use: Observation



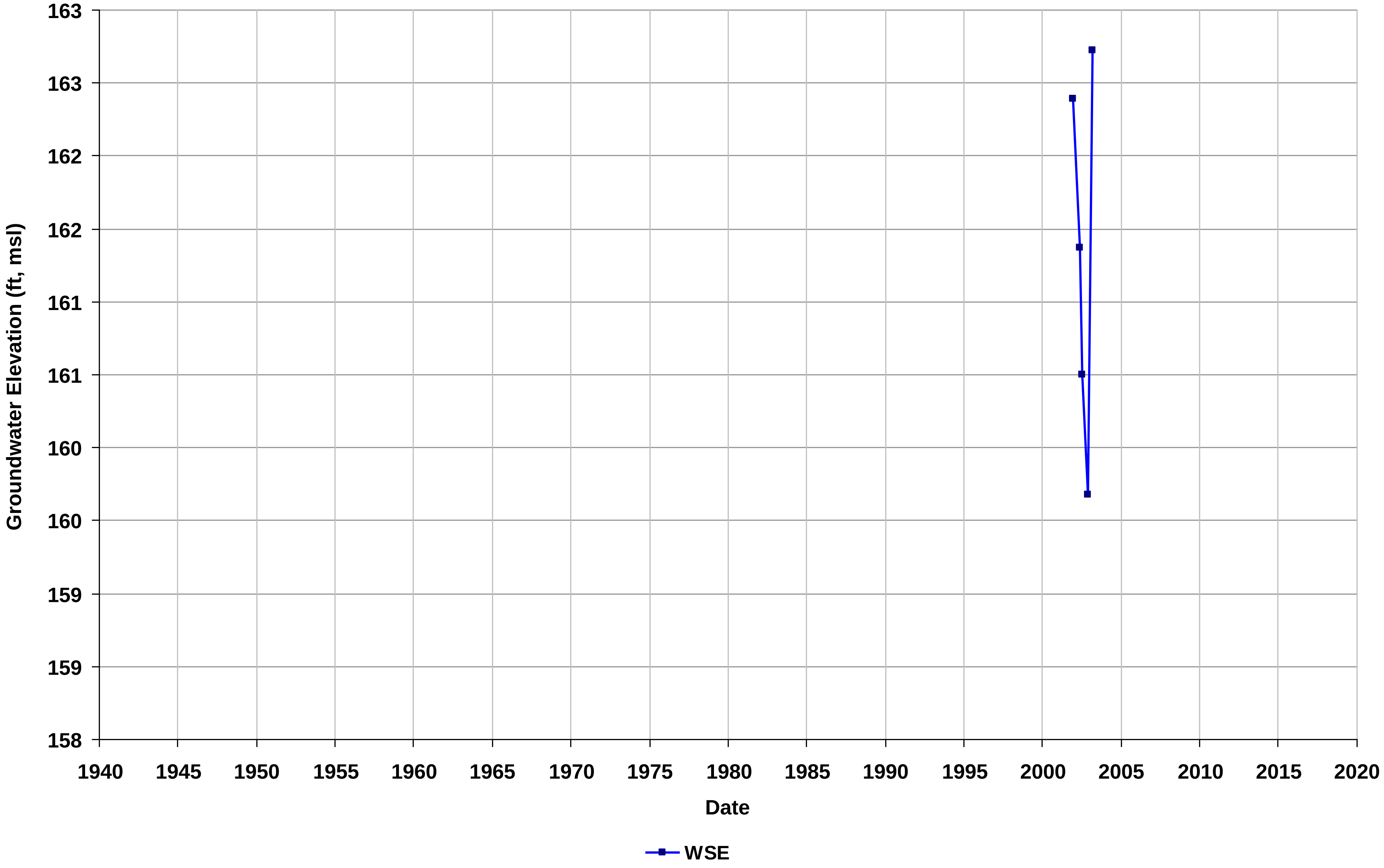
Well Name: T0600100787-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/02
Well Use: Observation



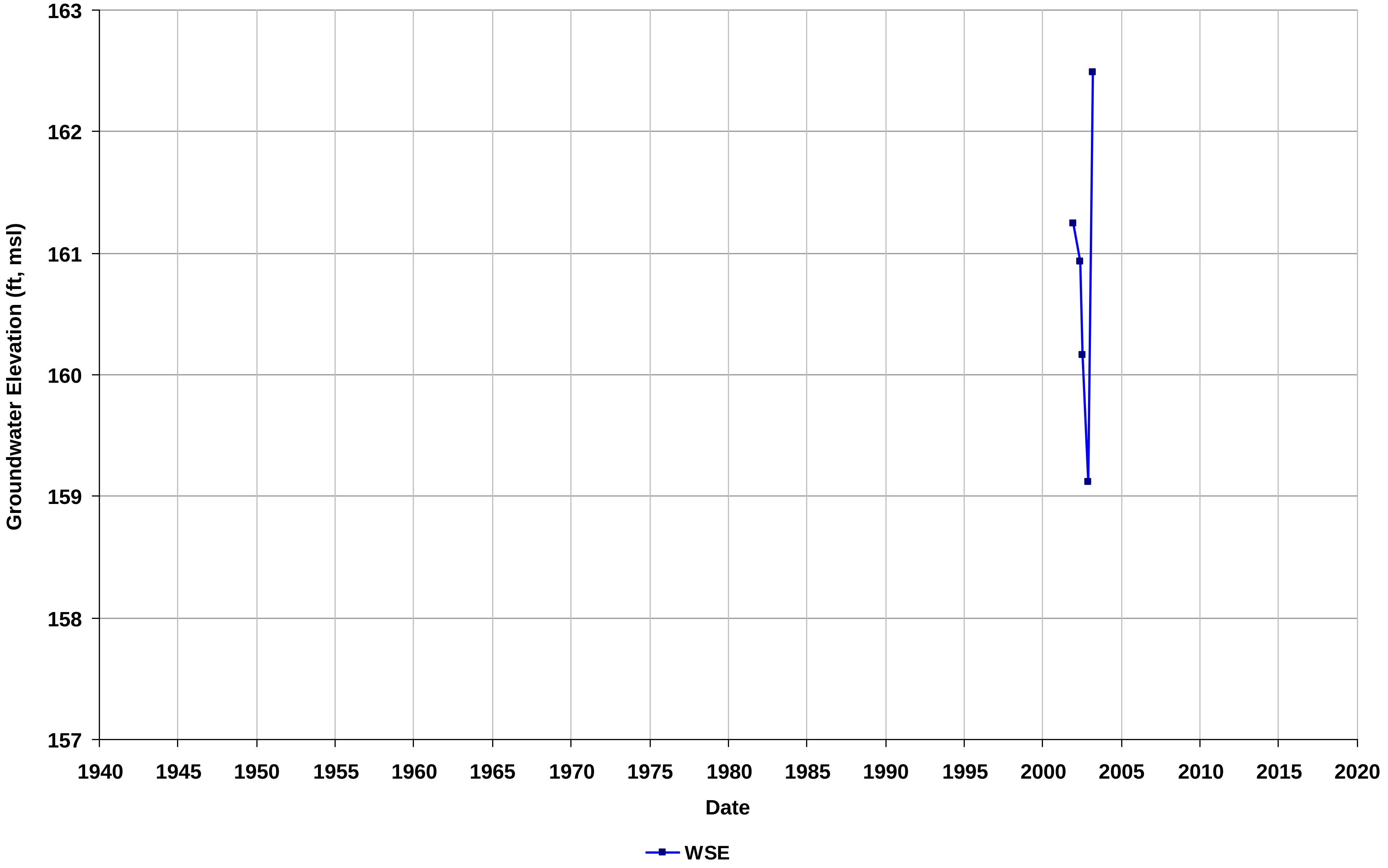
Well Name: T0600100787-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/02
Well Use: Observation



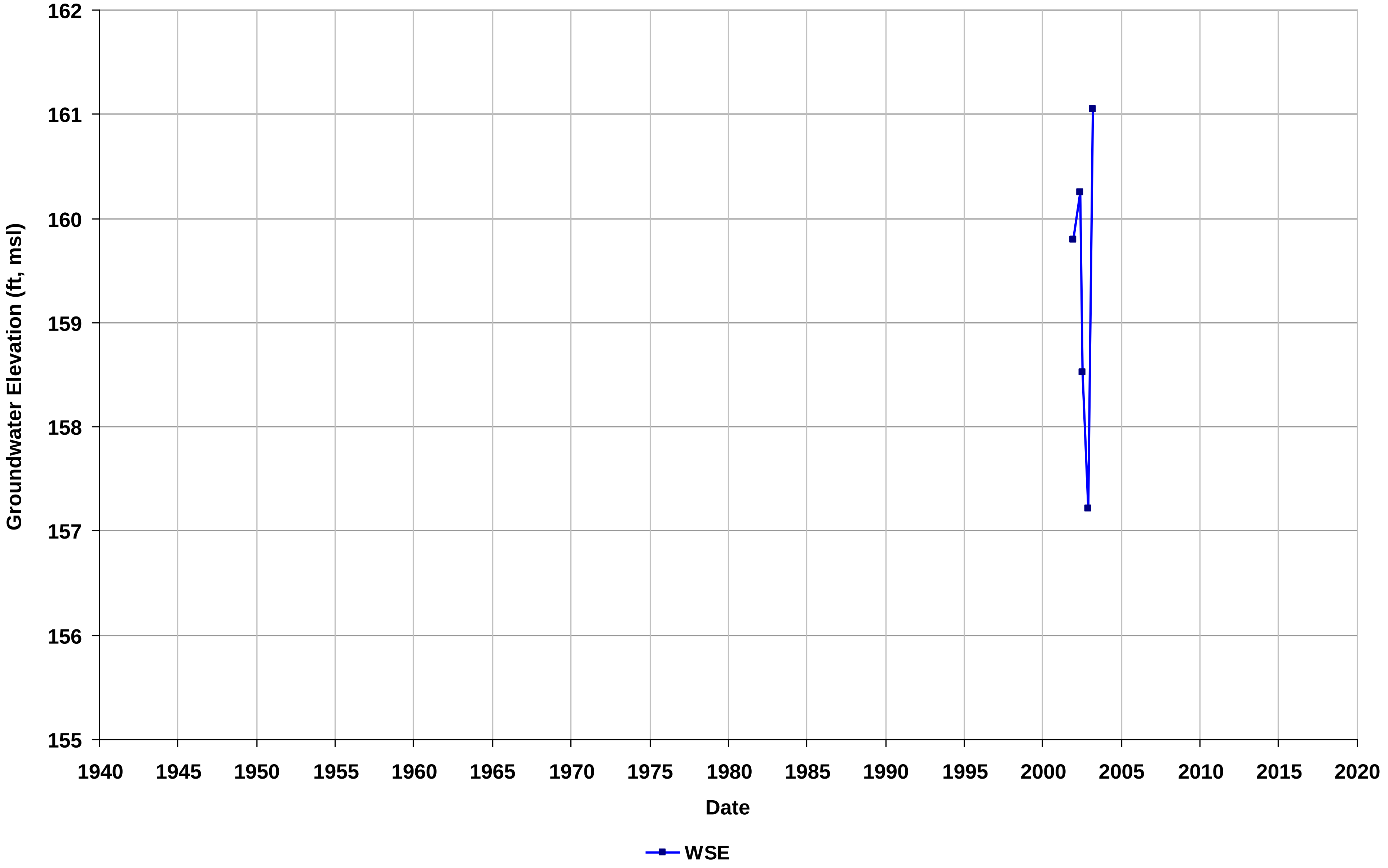
Well Name: T0600100787-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/02
Well Use: Observation



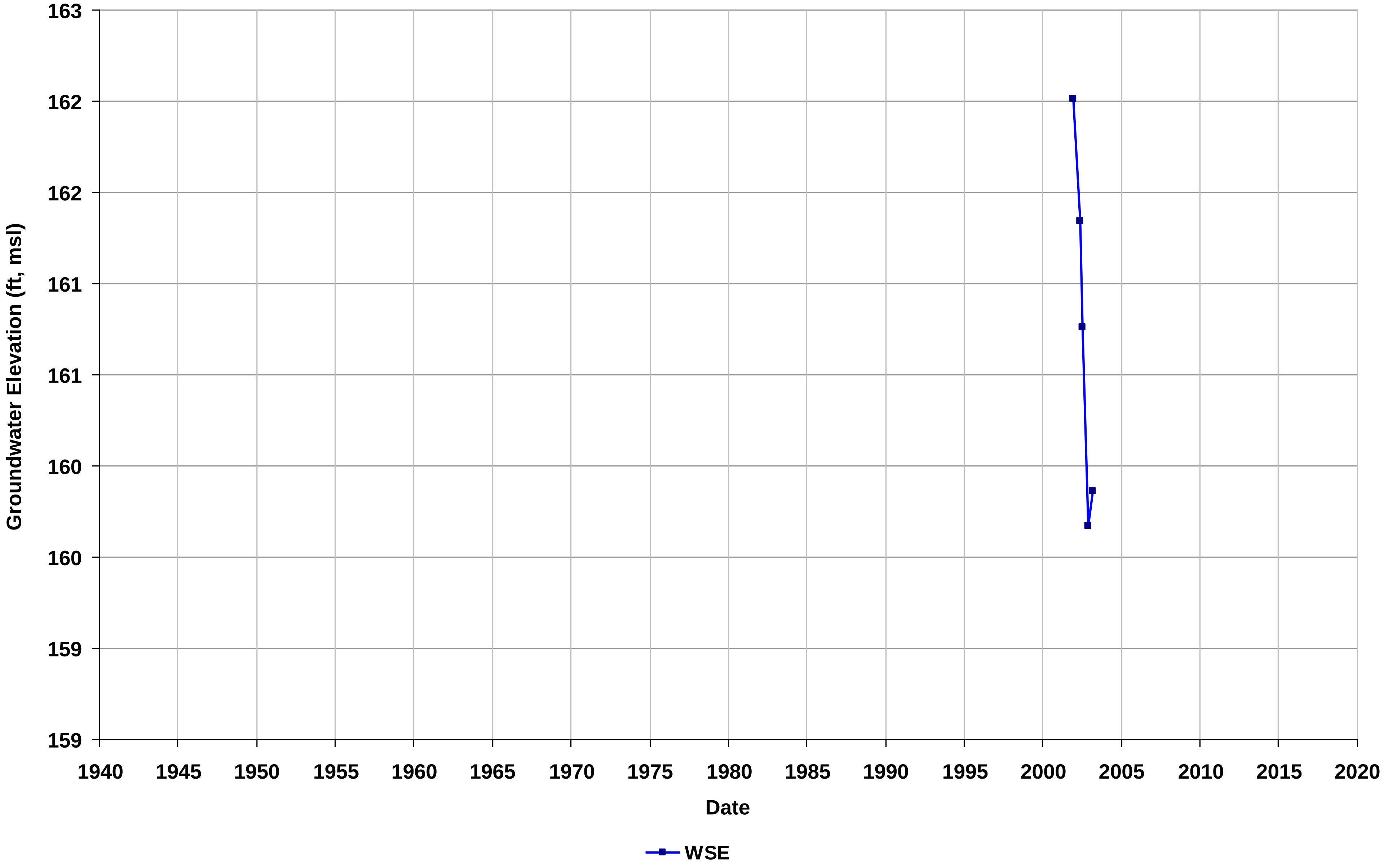
Well Name: T0600100787-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/02
Well Use: Observation



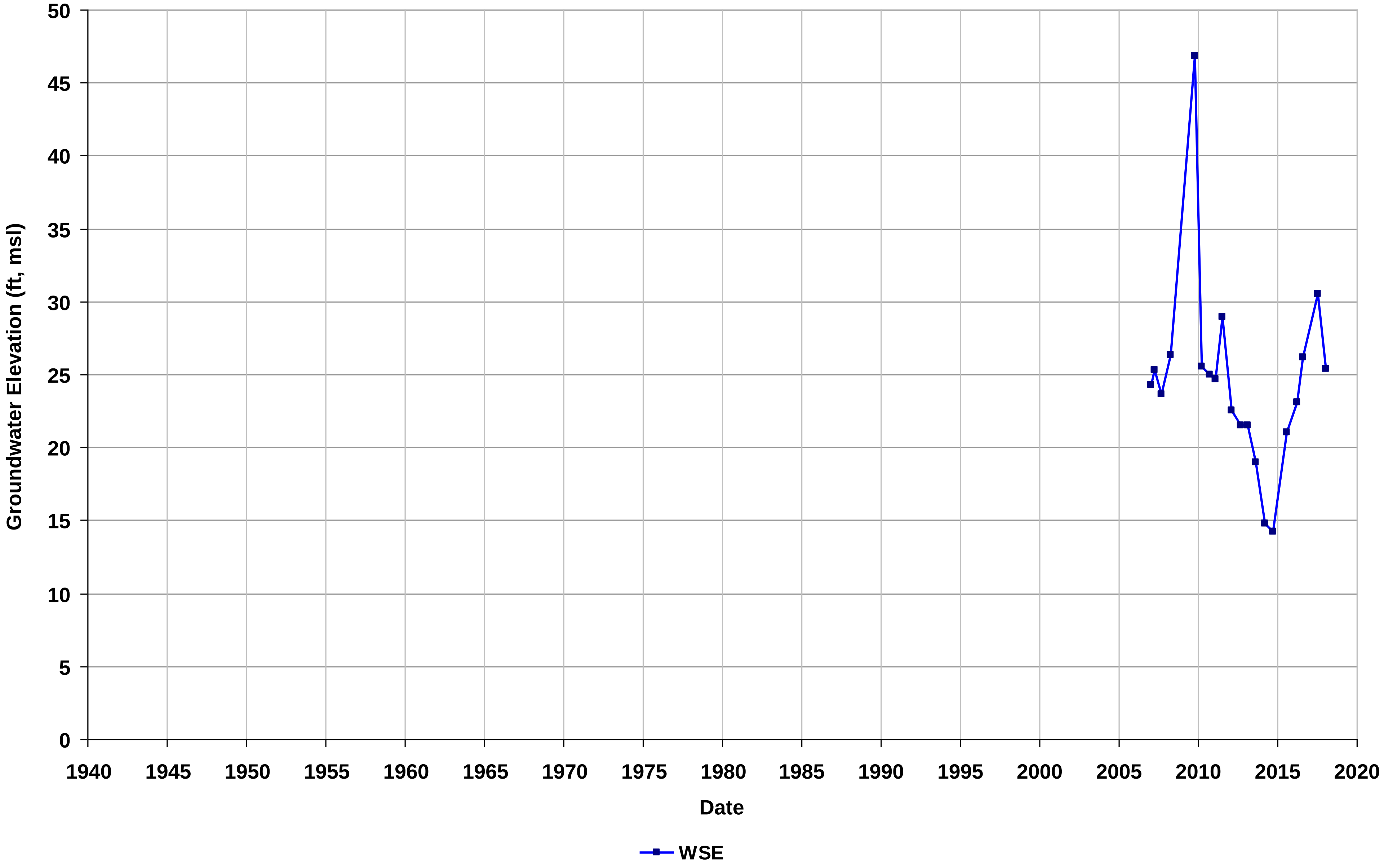
Well Name: T0600100787-MW-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/02
Well Use: Observation



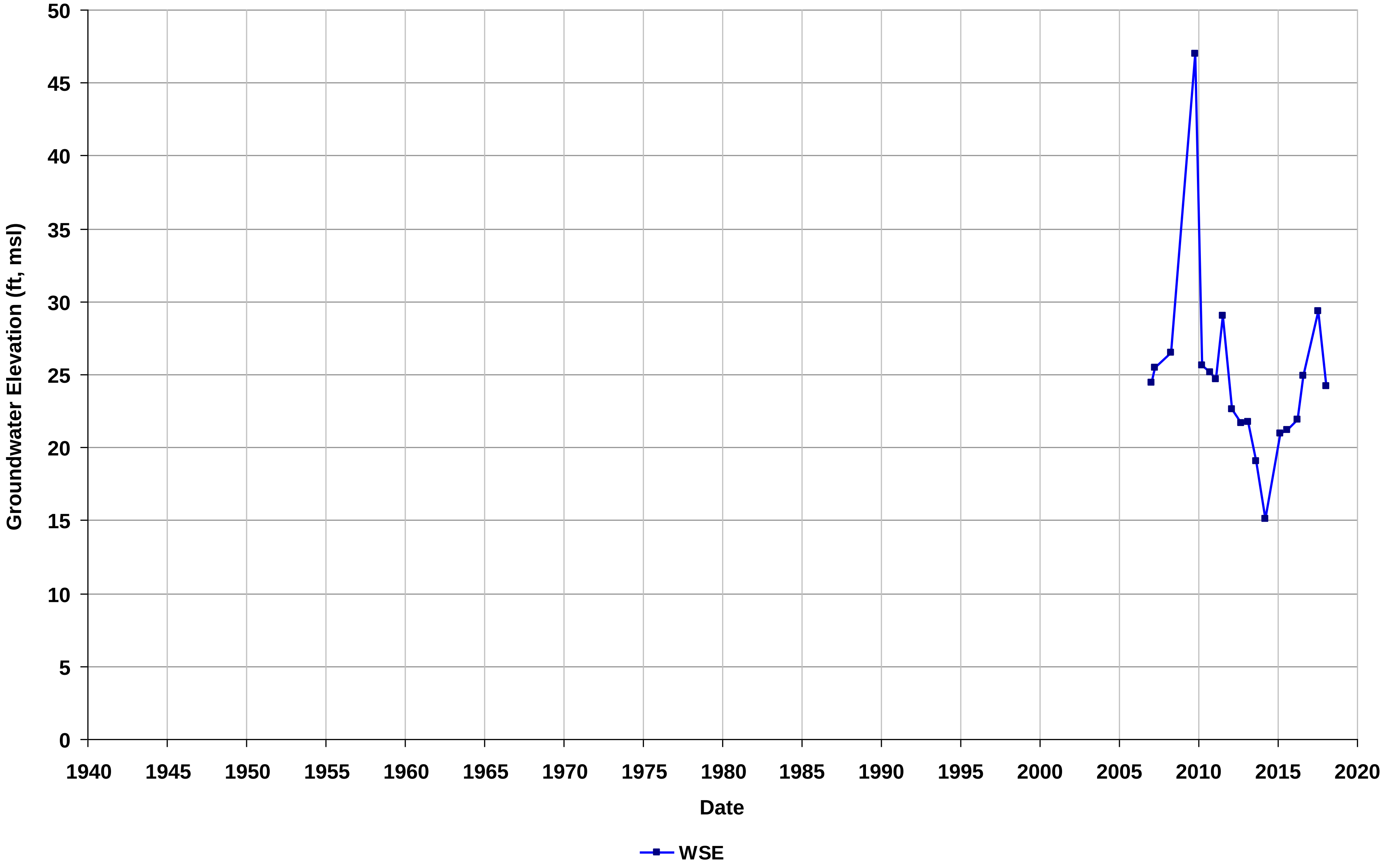
Well Name: T0600100831-MW-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/07
Well Use: Observation



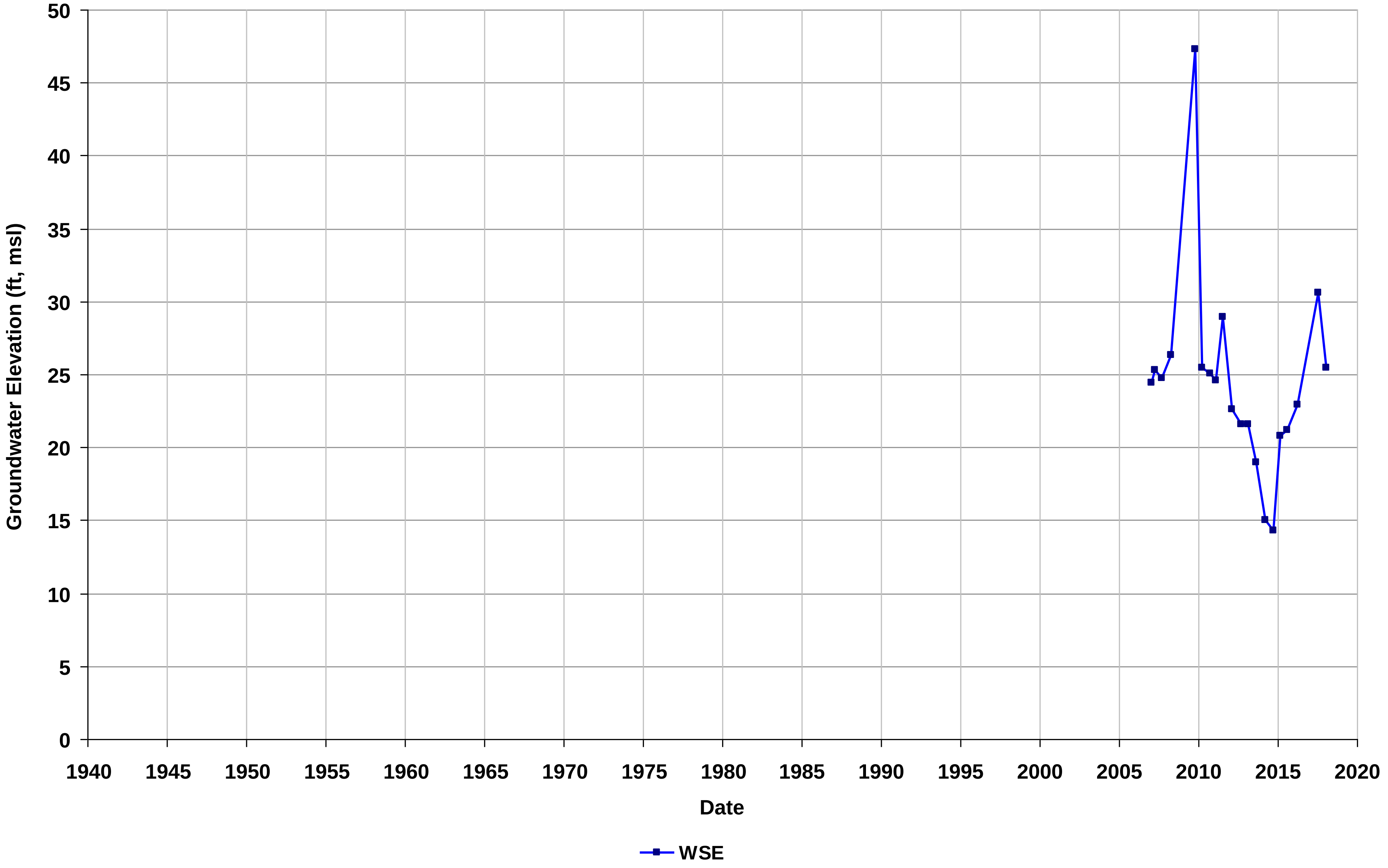
Well Name: T0600100831-MW-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/07
Well Use: Observation



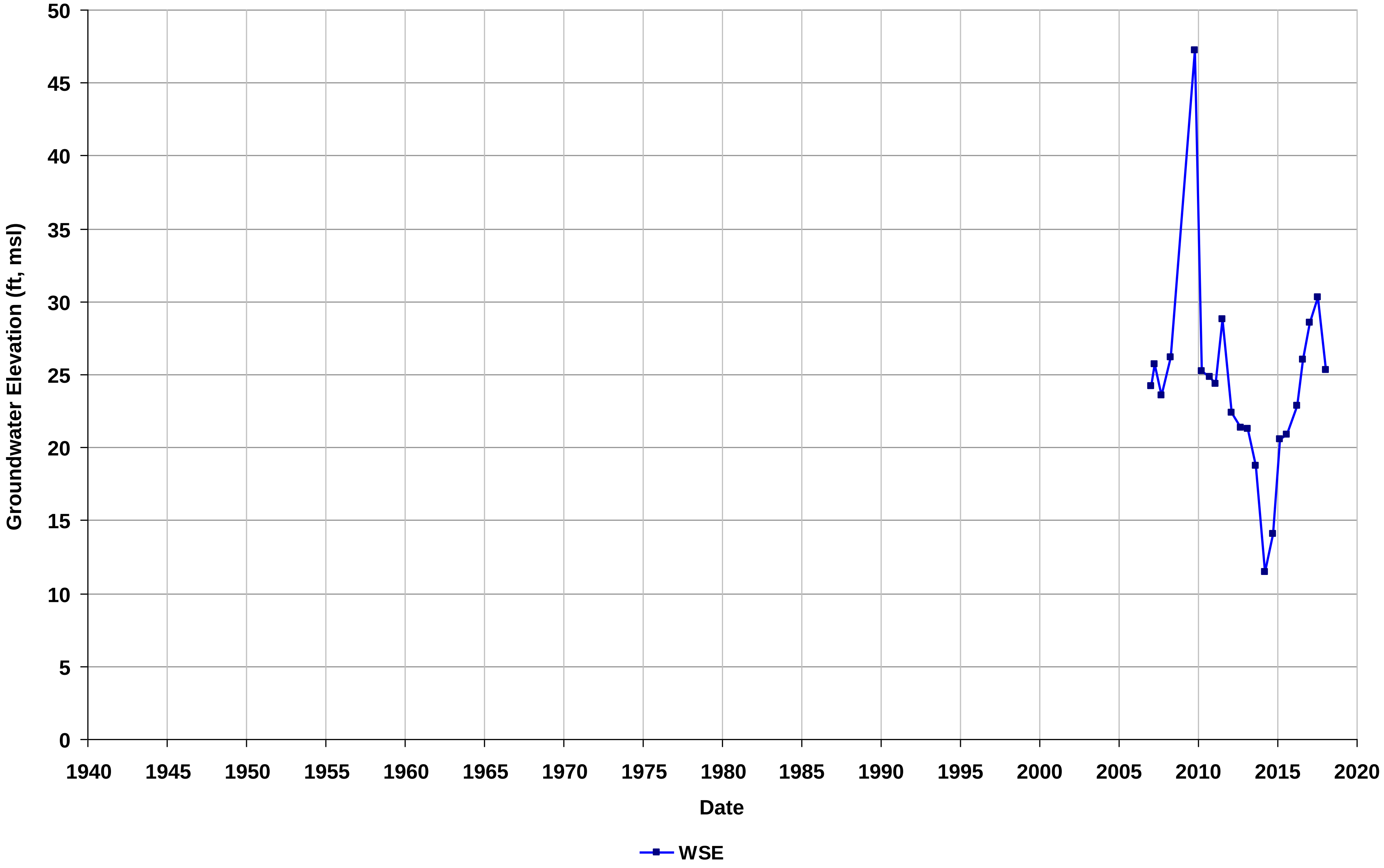
Well Name: T0600100831-MW-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/07
Well Use: Observation



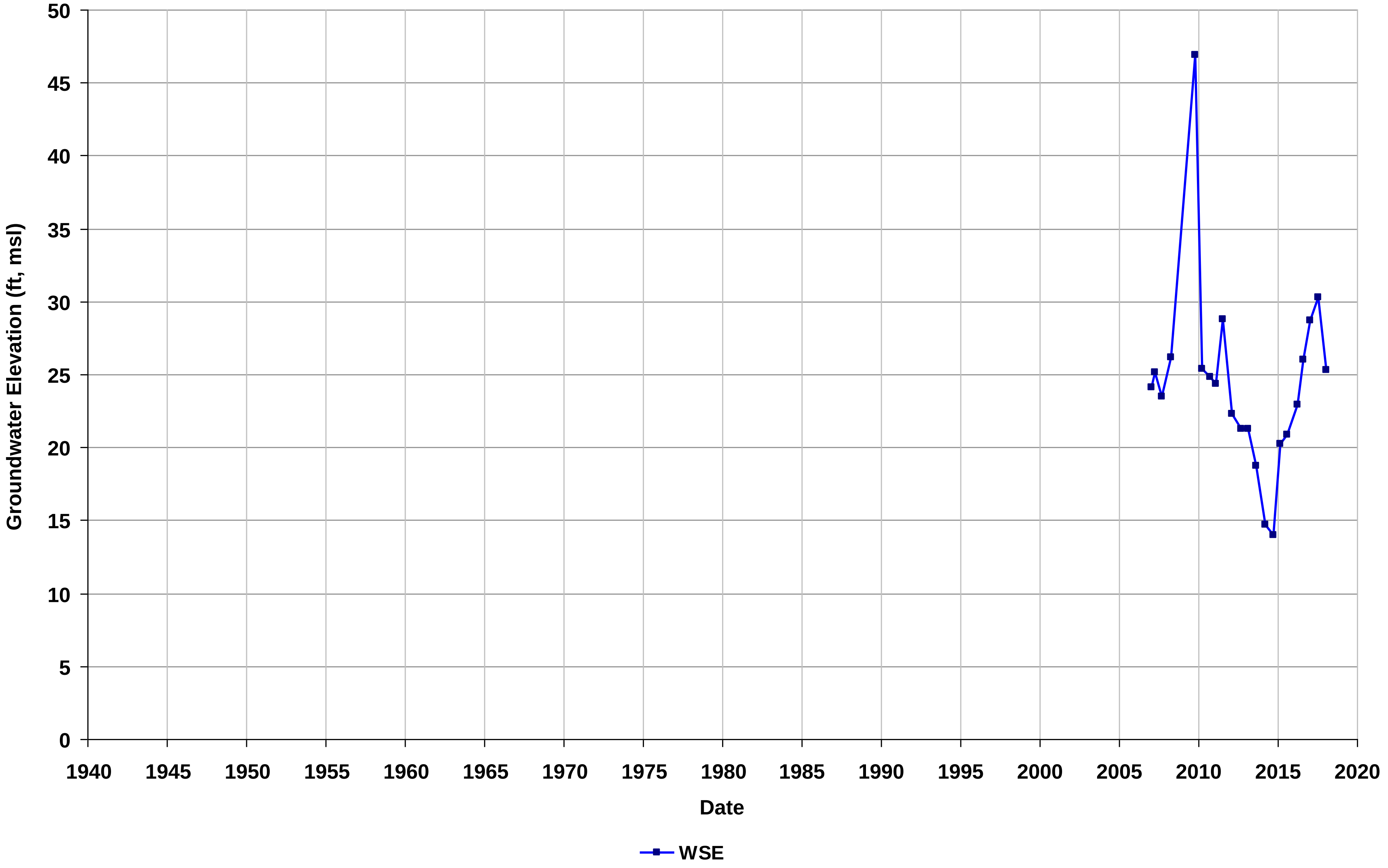
Well Name: T0600100831-MW-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/07
Well Use: Observation



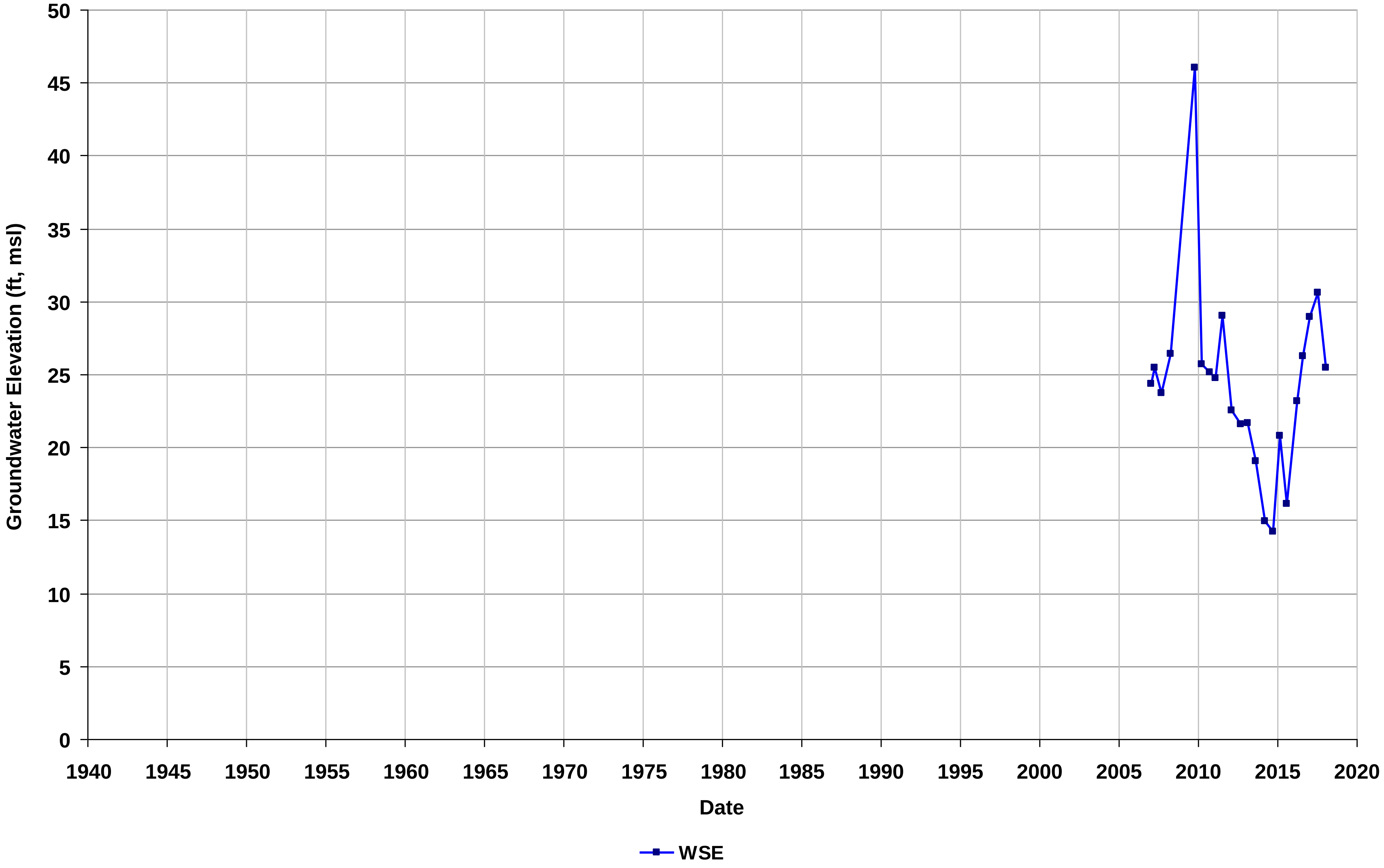
Well Name: T0600100831-MW-5
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/07
Well Use: Observation



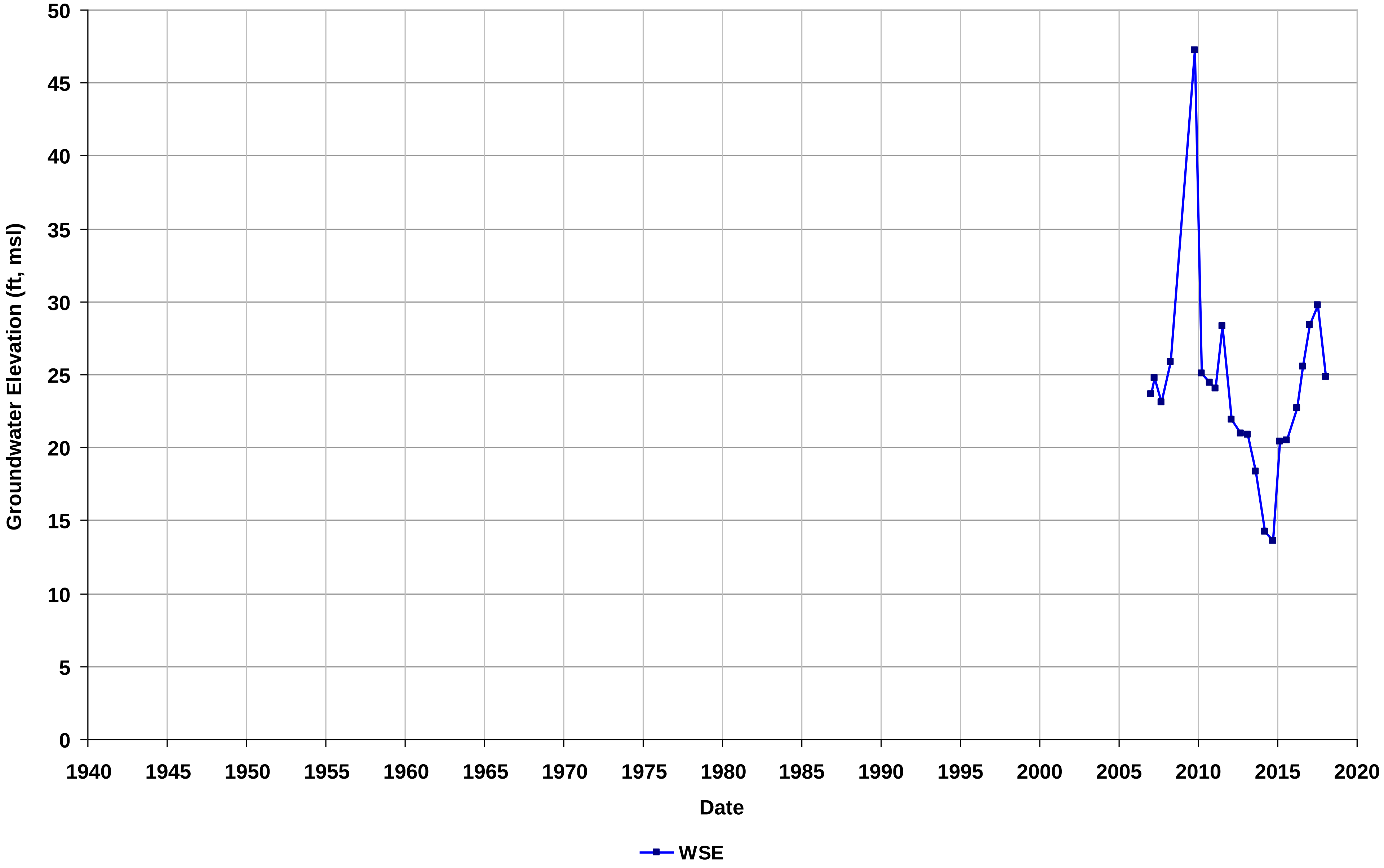
Well Name: T0600100831-MW-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/07
Well Use: Observation



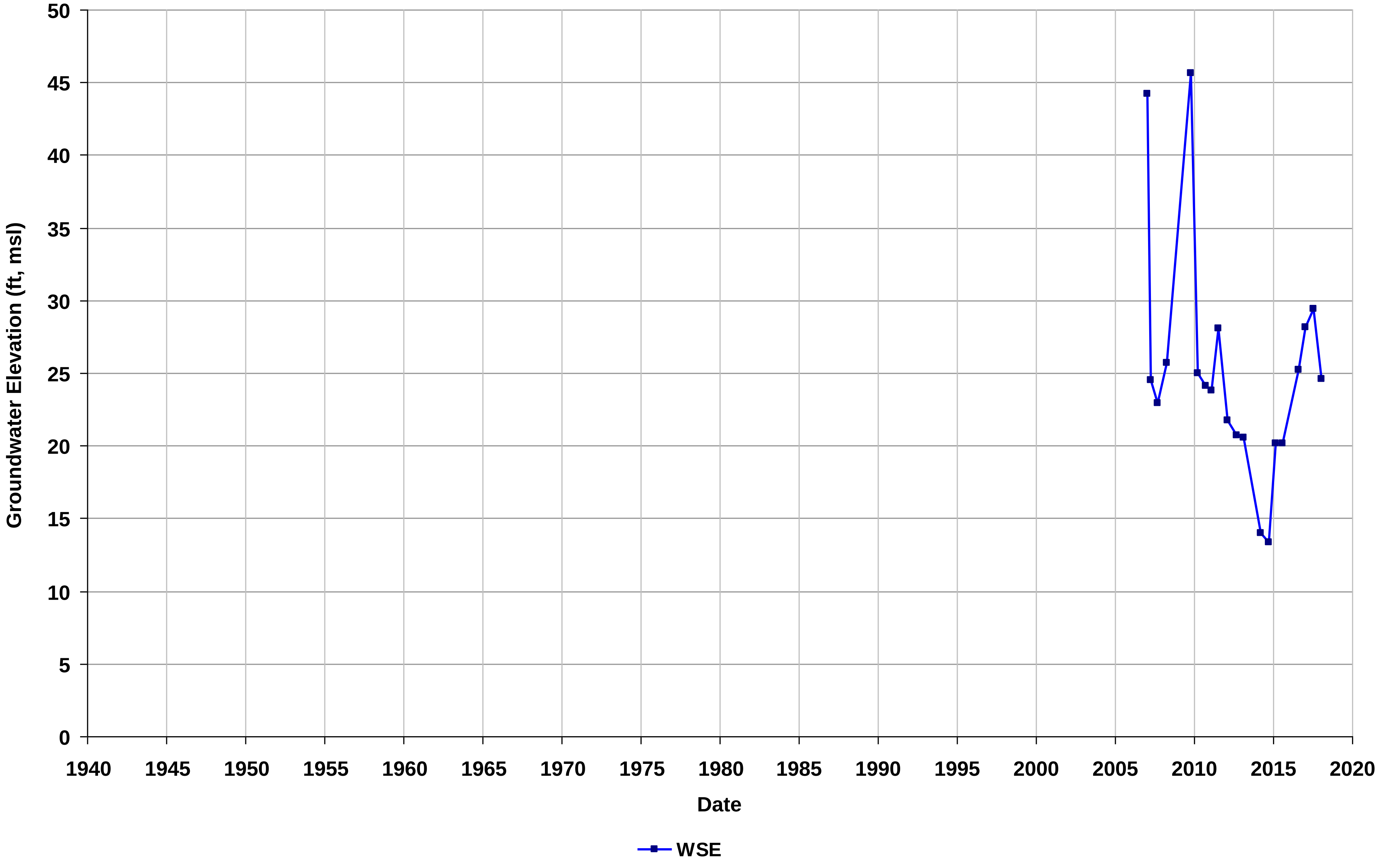
Well Name: T0600100831-MW-7
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/07
Well Use: Observation



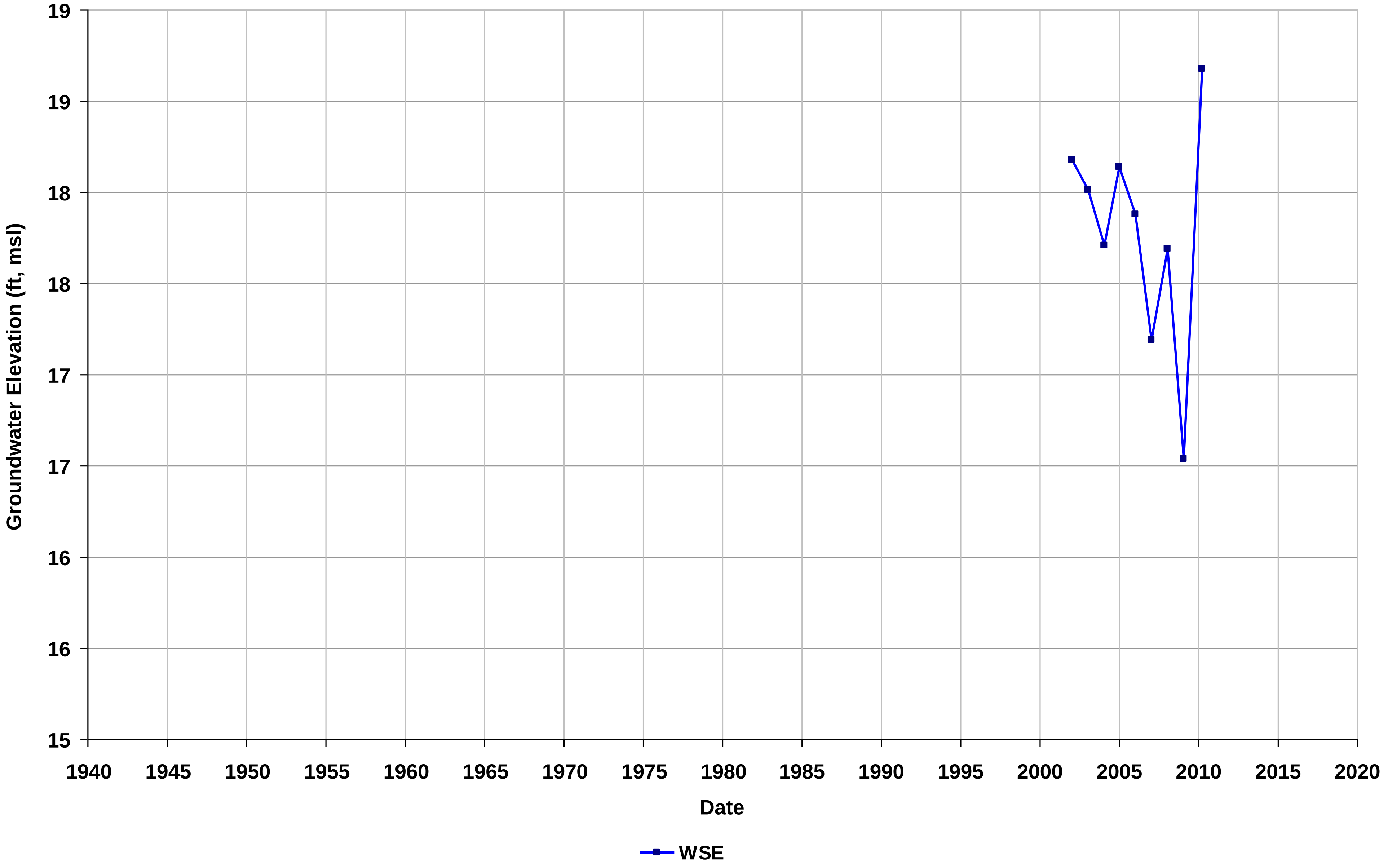
Well Name: T0600100831-MW-8
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/07
Well Use: Observation



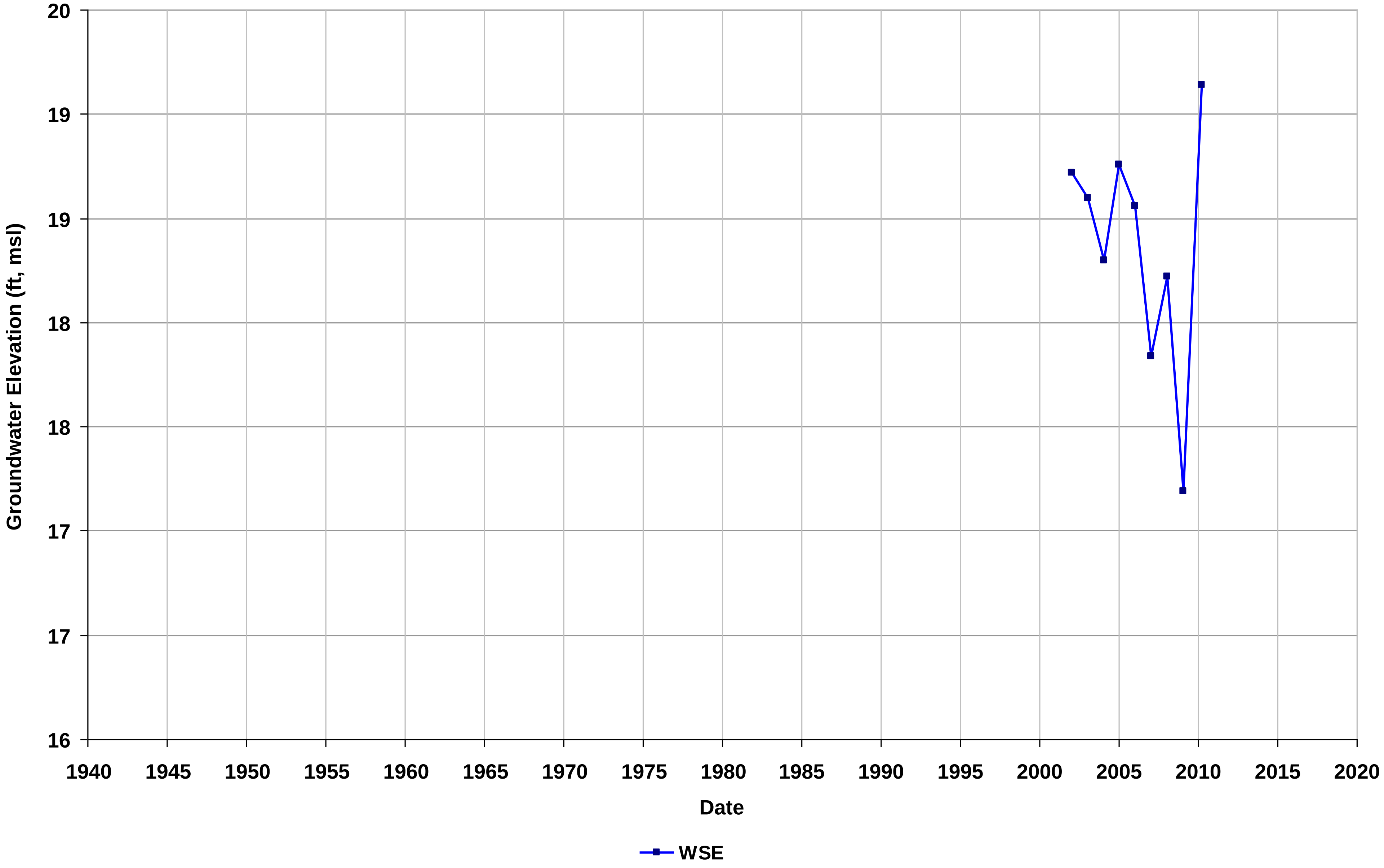
Well Name: T0600100916-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/33
Well Use: Observation



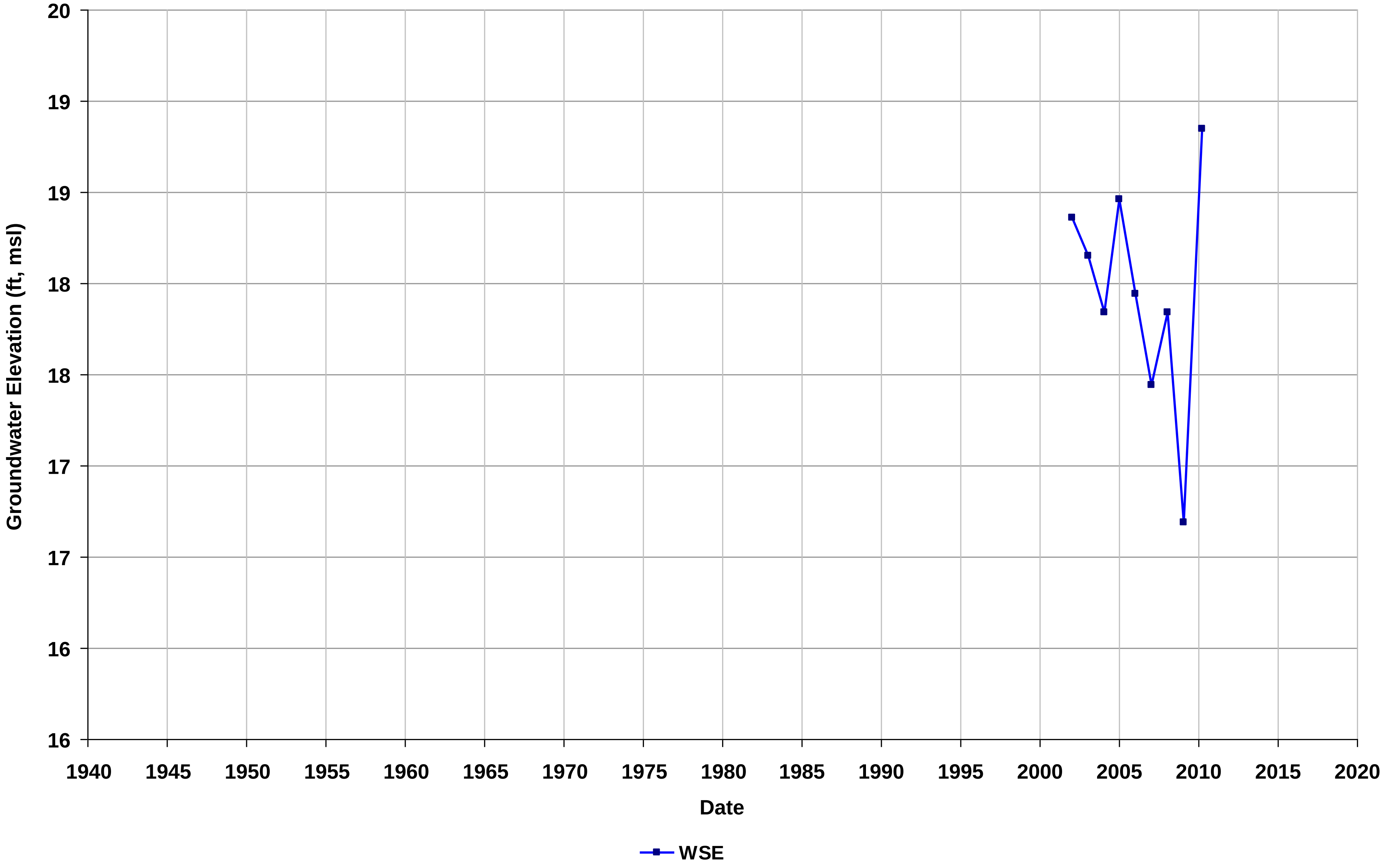
Well Name: T0600100916-MW-10
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/33
Well Use: Observation



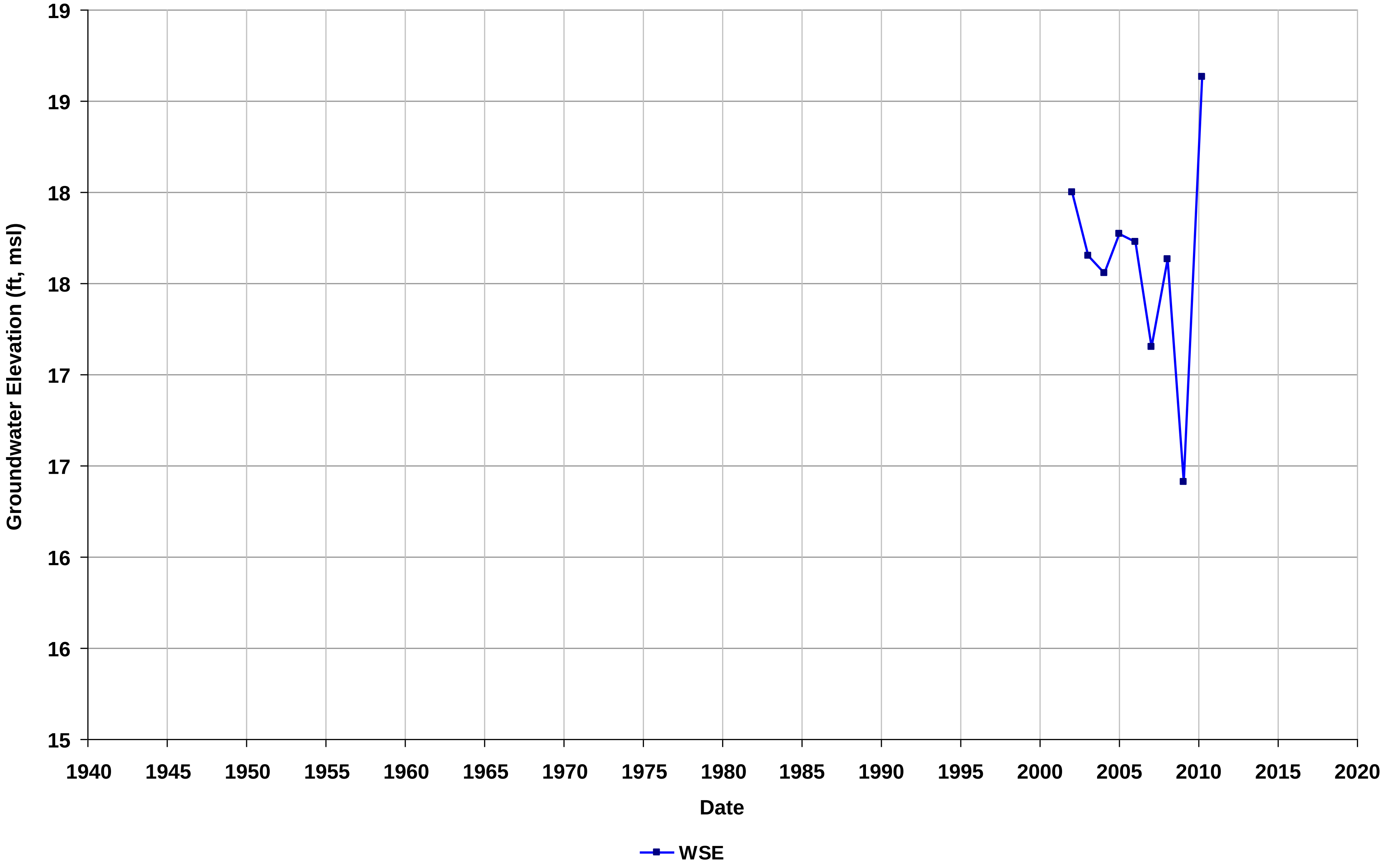
Well Name: T0600100916-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/33
Well Use: Observation



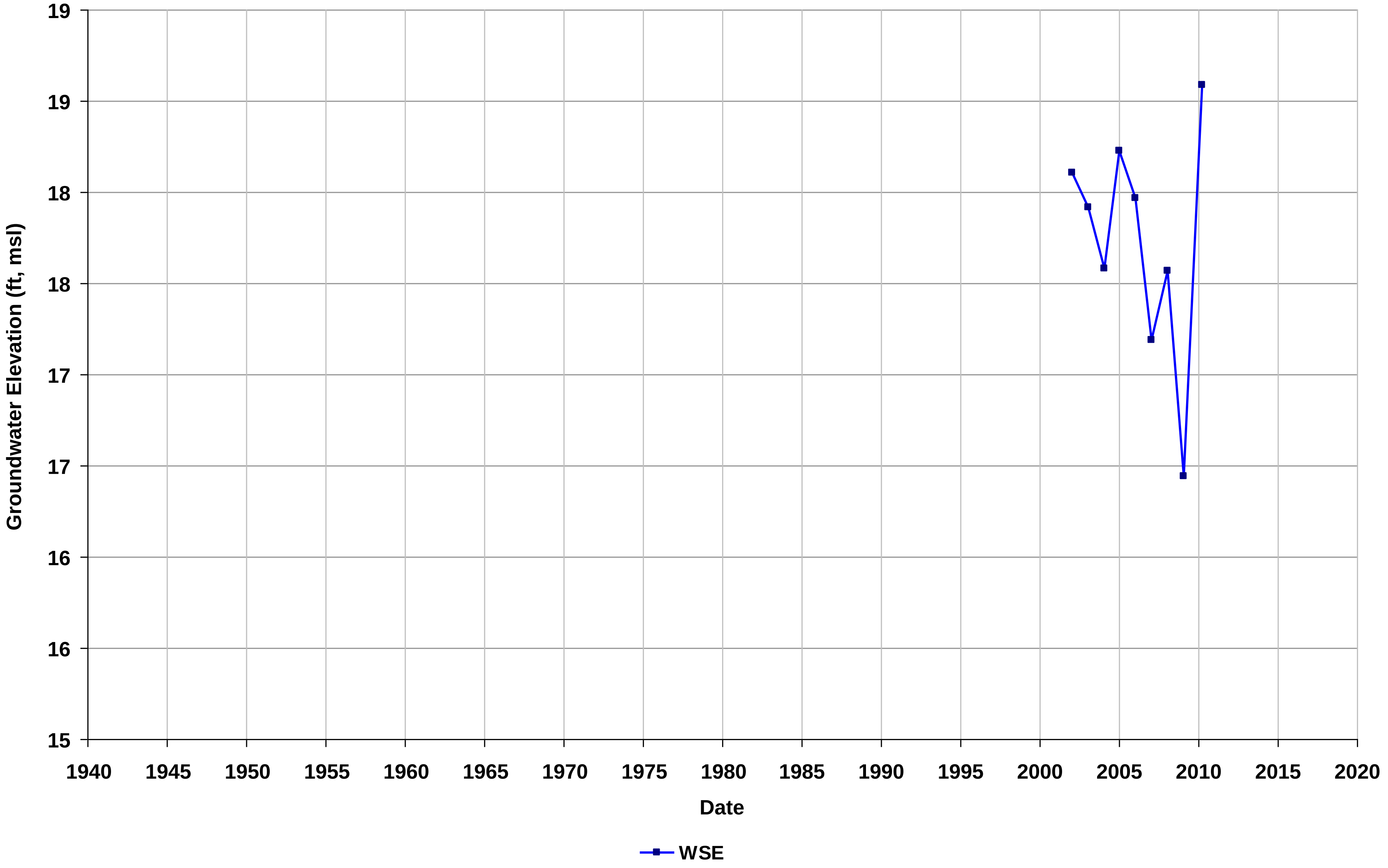
Well Name: T0600100916-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/33
Well Use: Observation



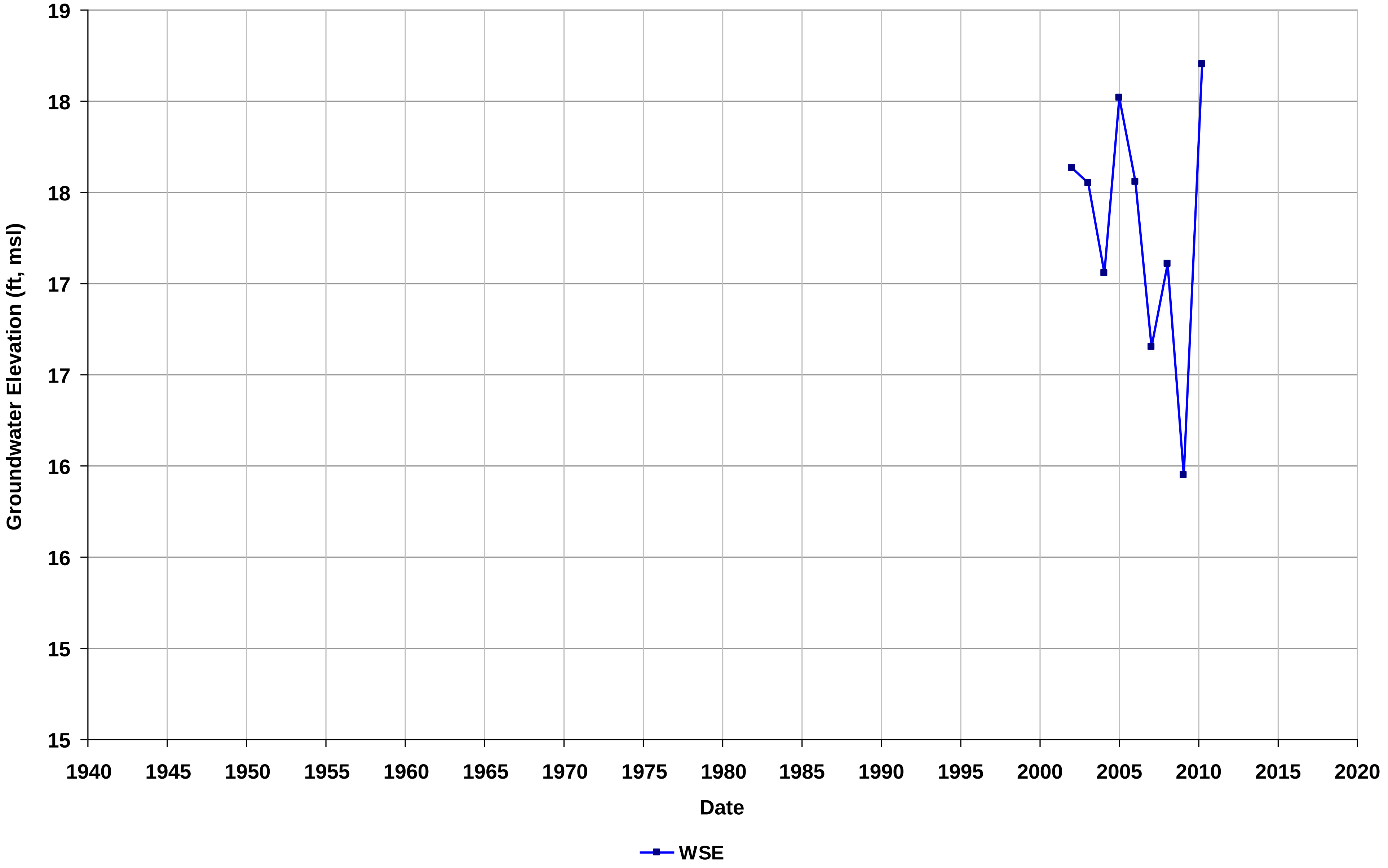
Well Name: T0600100916-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/33
Well Use: Observation



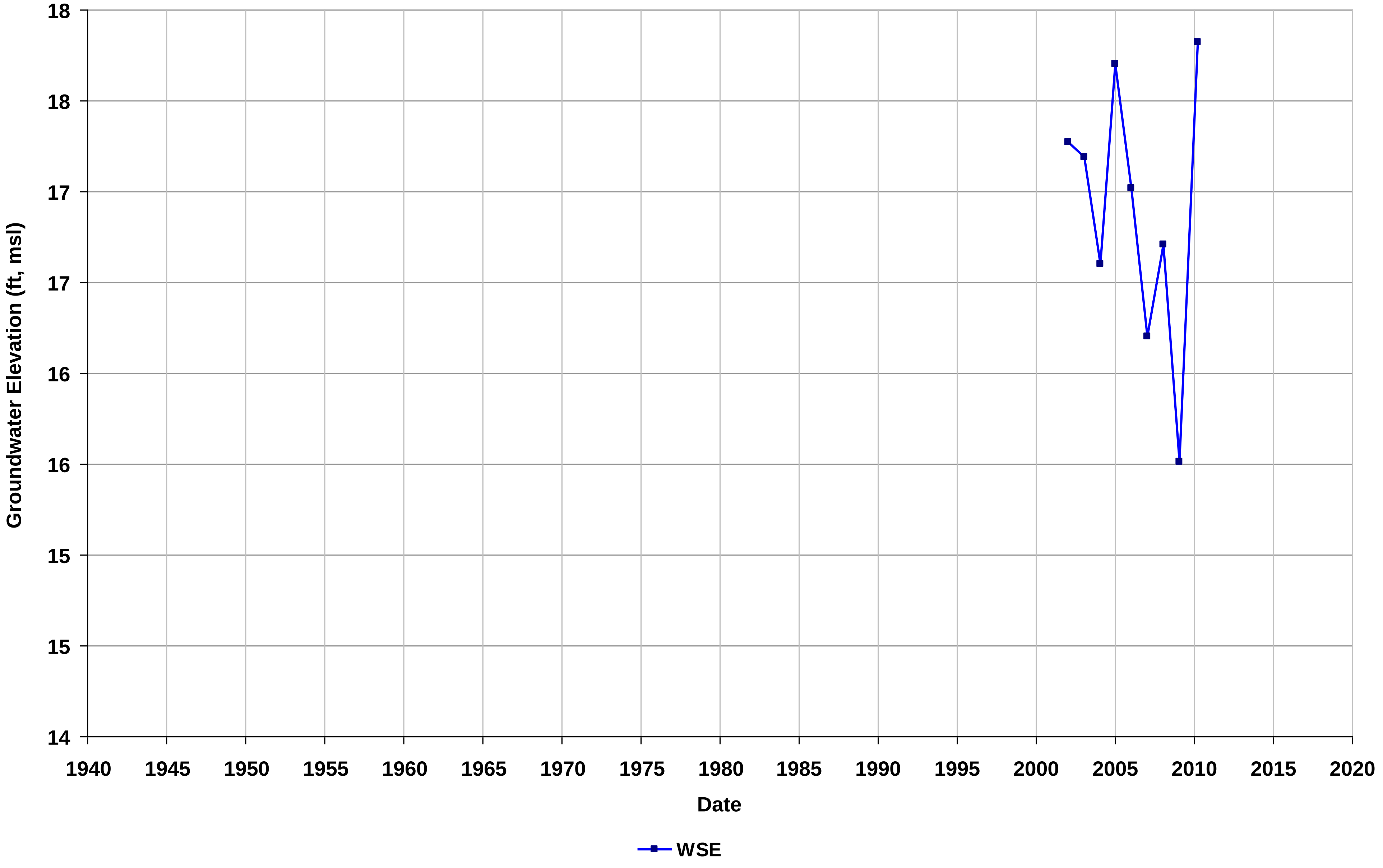
Well Name: T0600100916-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/33
Well Use: Observation



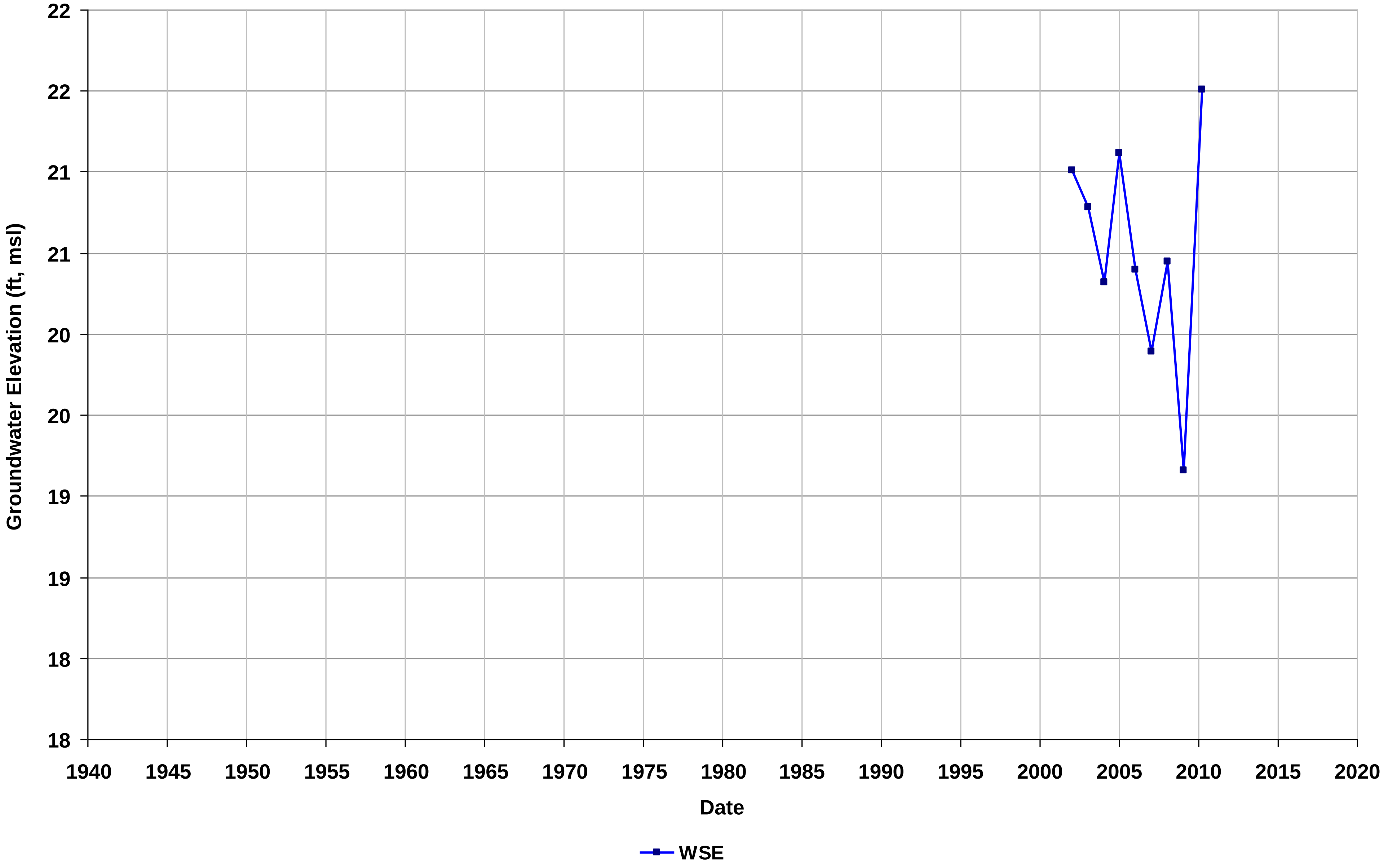
Well Name: T0600100916-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/33
Well Use: Observation



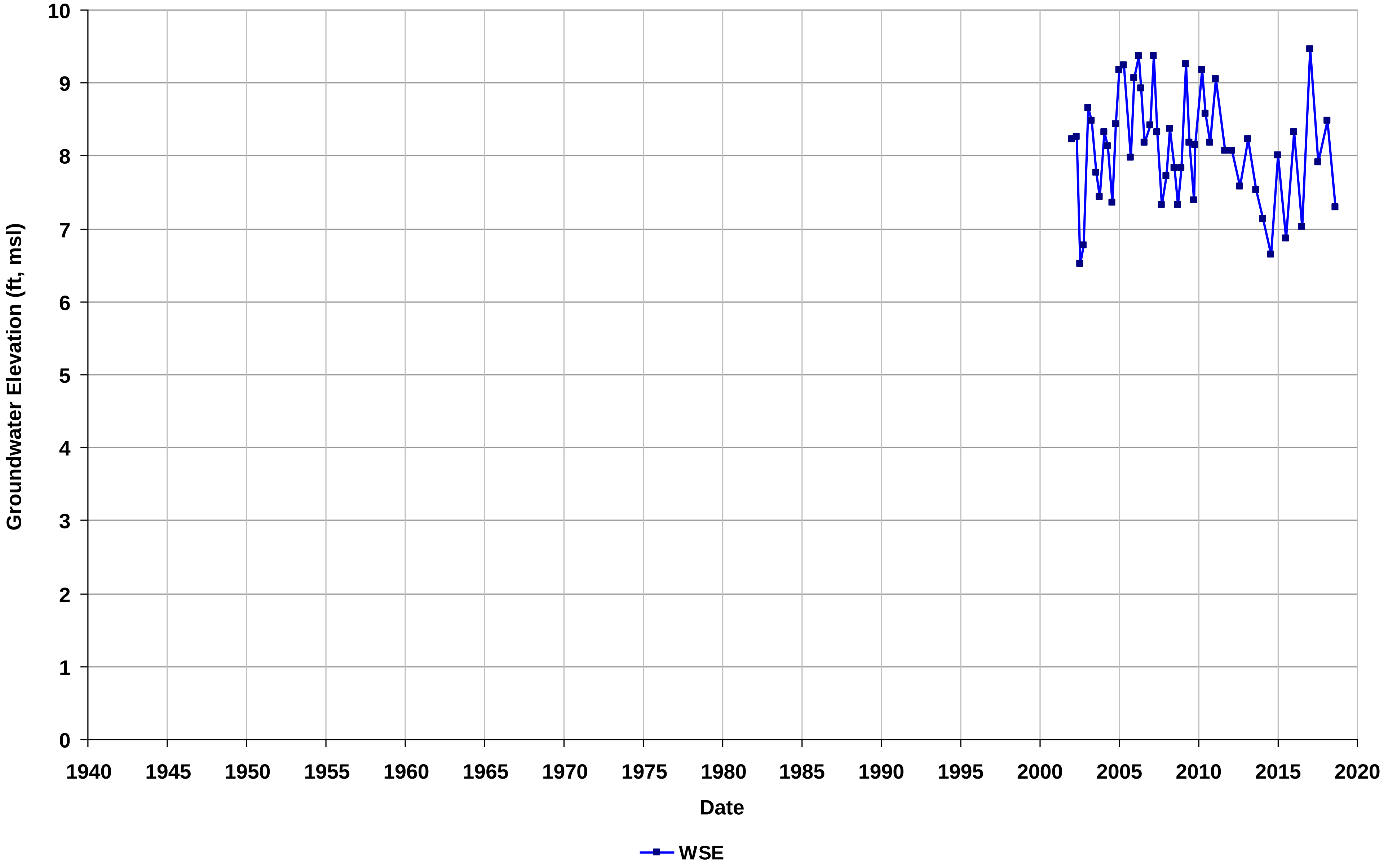
Well Name: T0600100916-MW-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/33
Well Use: Observation



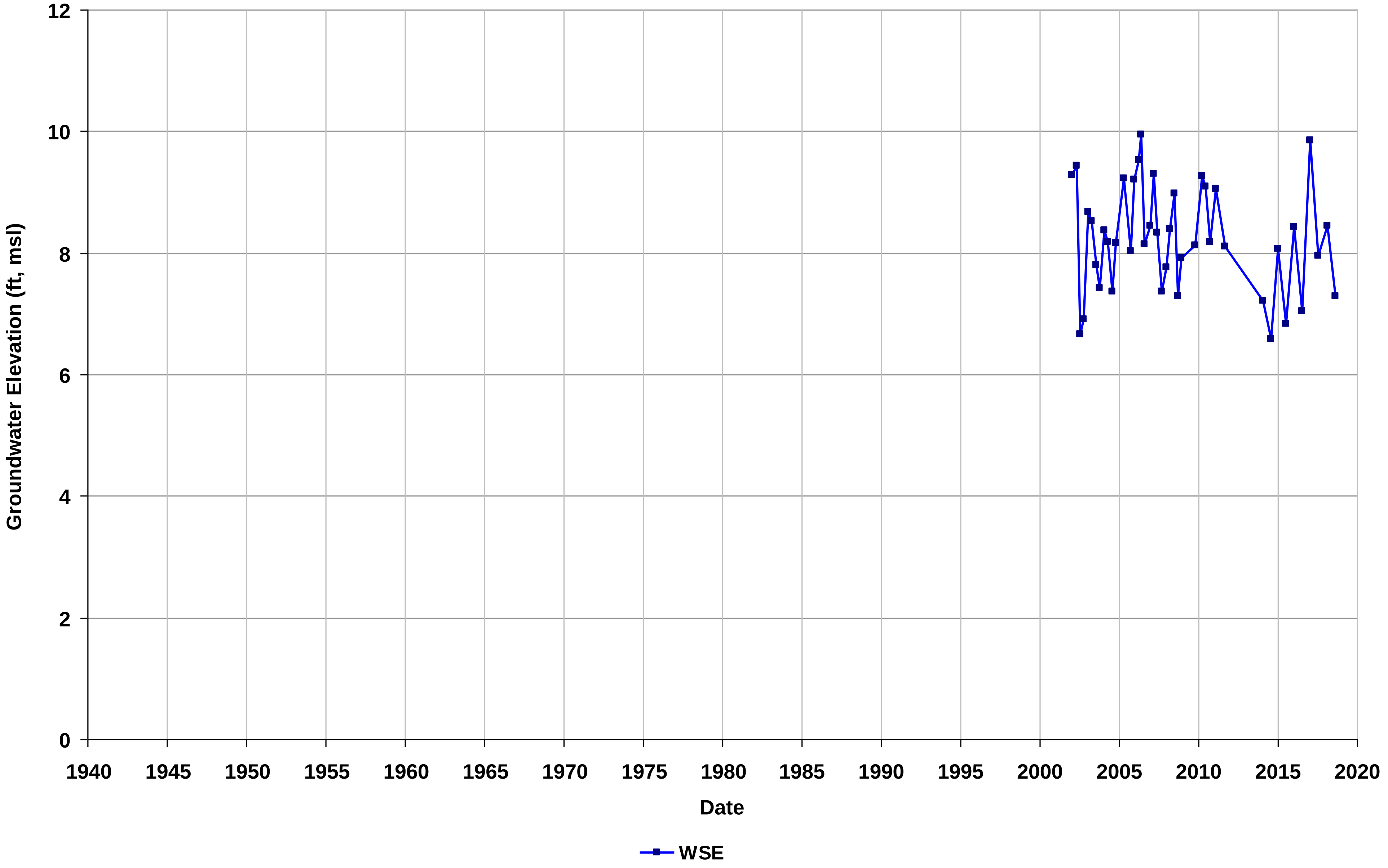
Well Name: T0600100917-AMW-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/10
Well Use: Observation



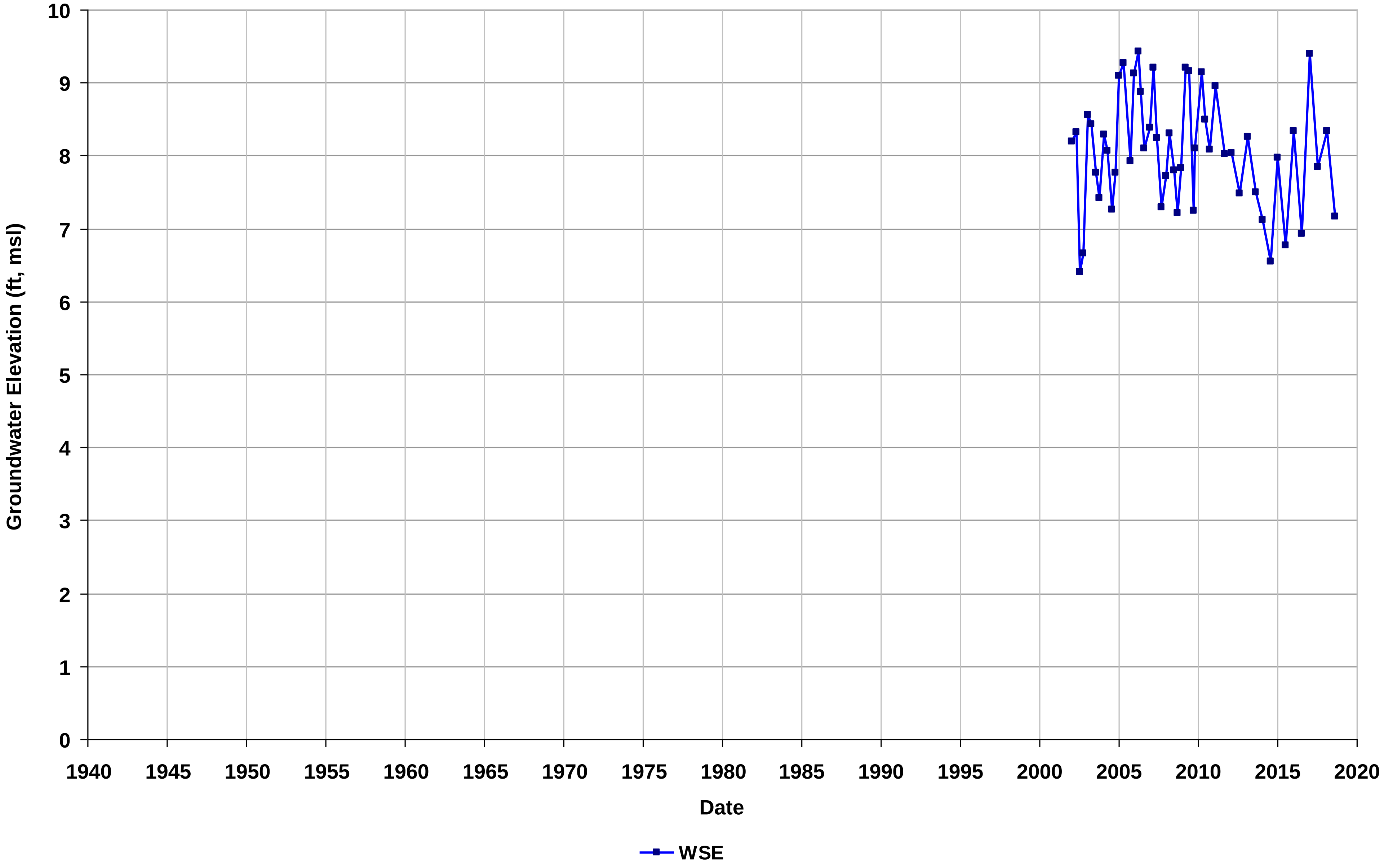
Well Name: T0600100917-AMW-5
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/10
Well Use: Observation



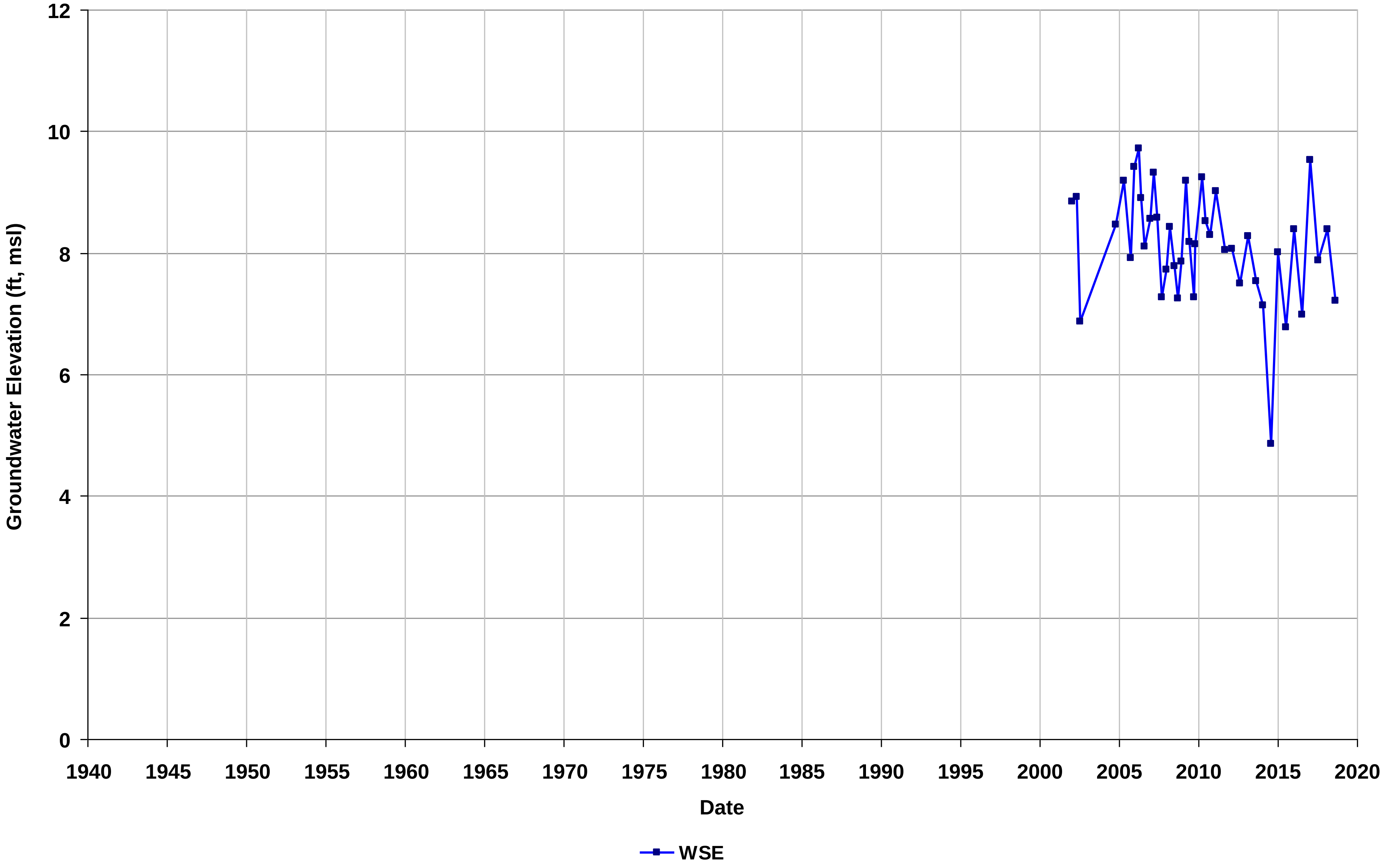
Well Name: T0600100917-AMW-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/03
Well Use: Observation



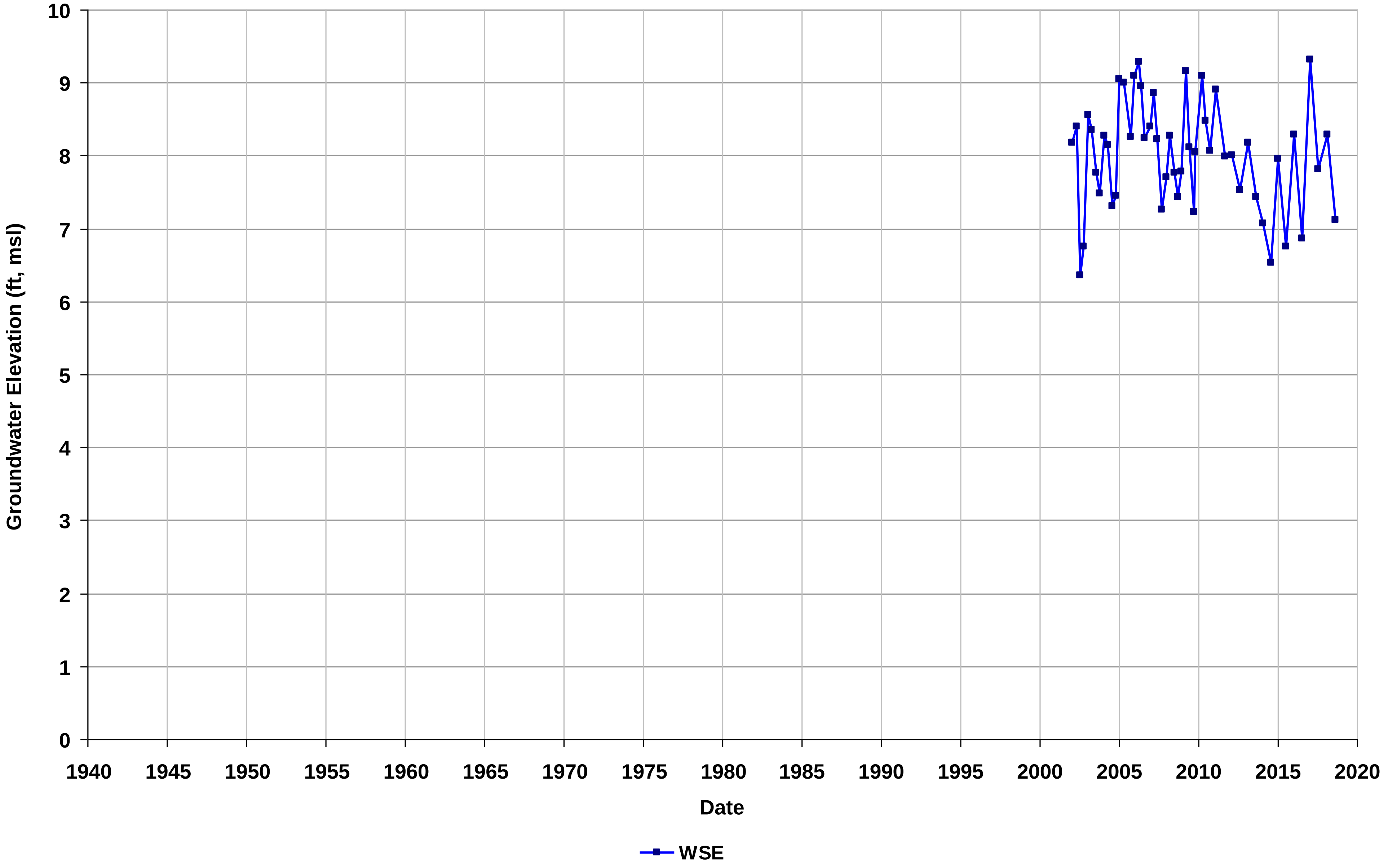
Well Name: T0600100917-AMW-8
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/03
Well Use: Observation



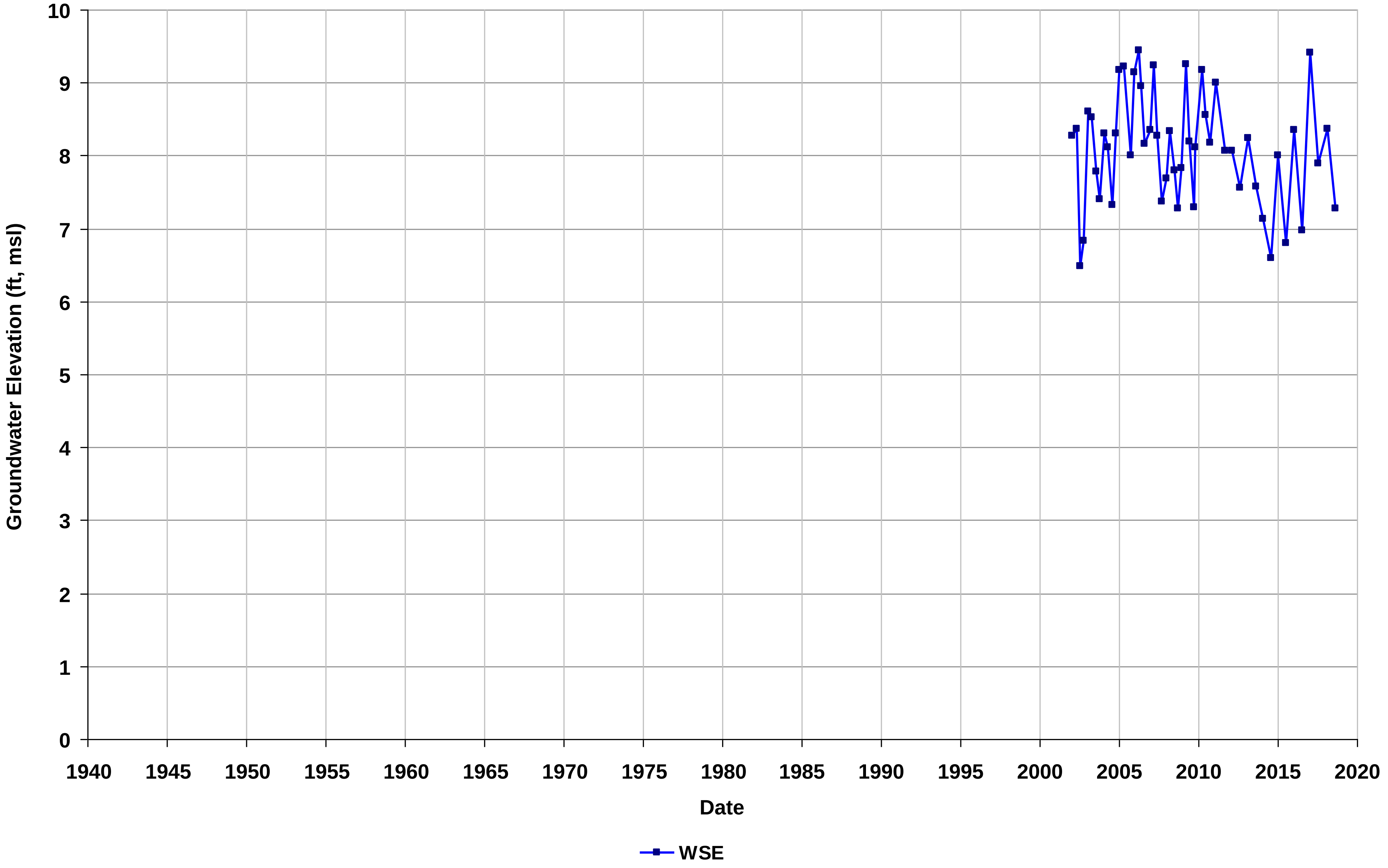
Well Name: T0600100917-AMW-9
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/03
Well Use: Observation



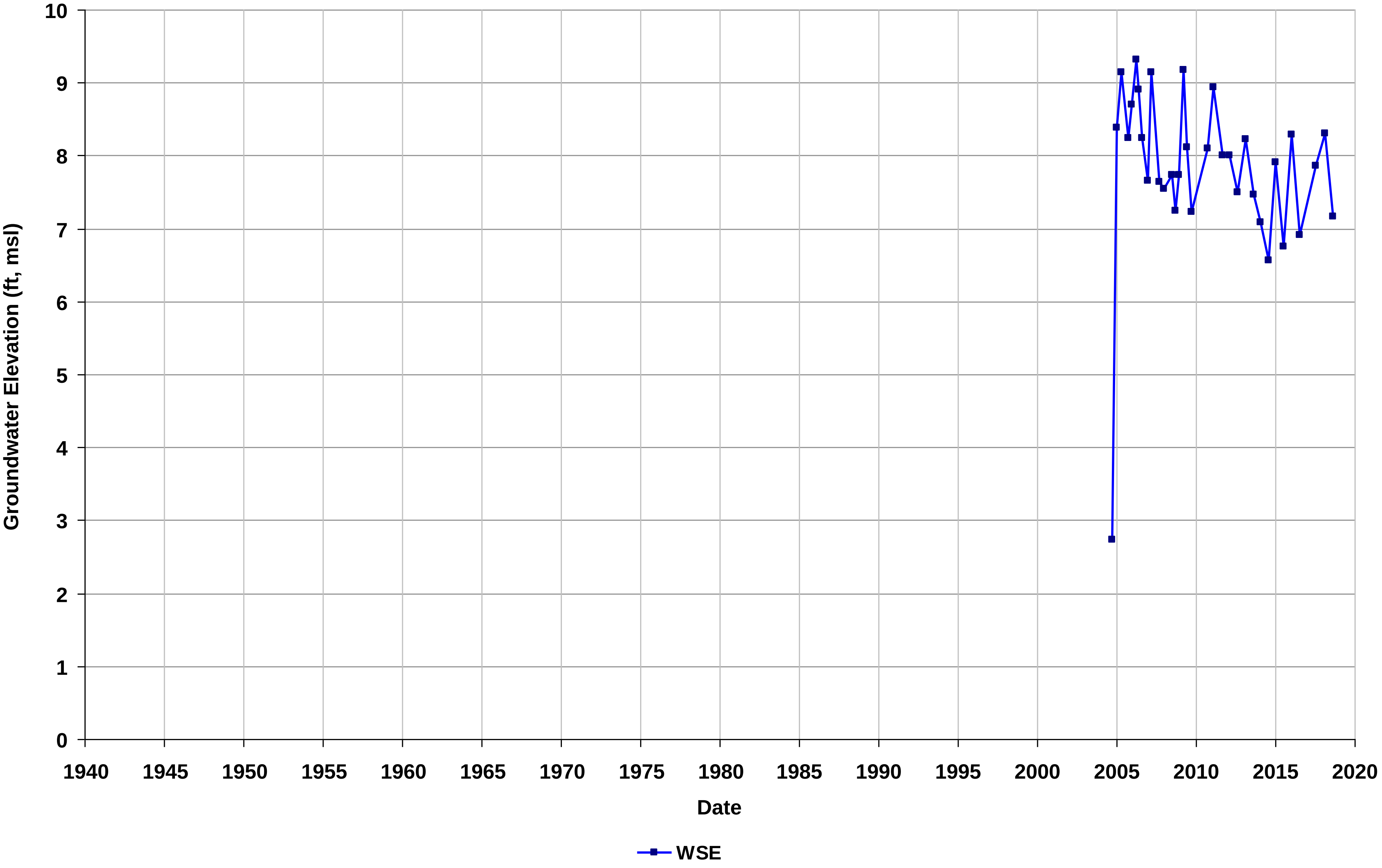
Well Name: T0600100917-KMW-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/10
Well Use: Observation



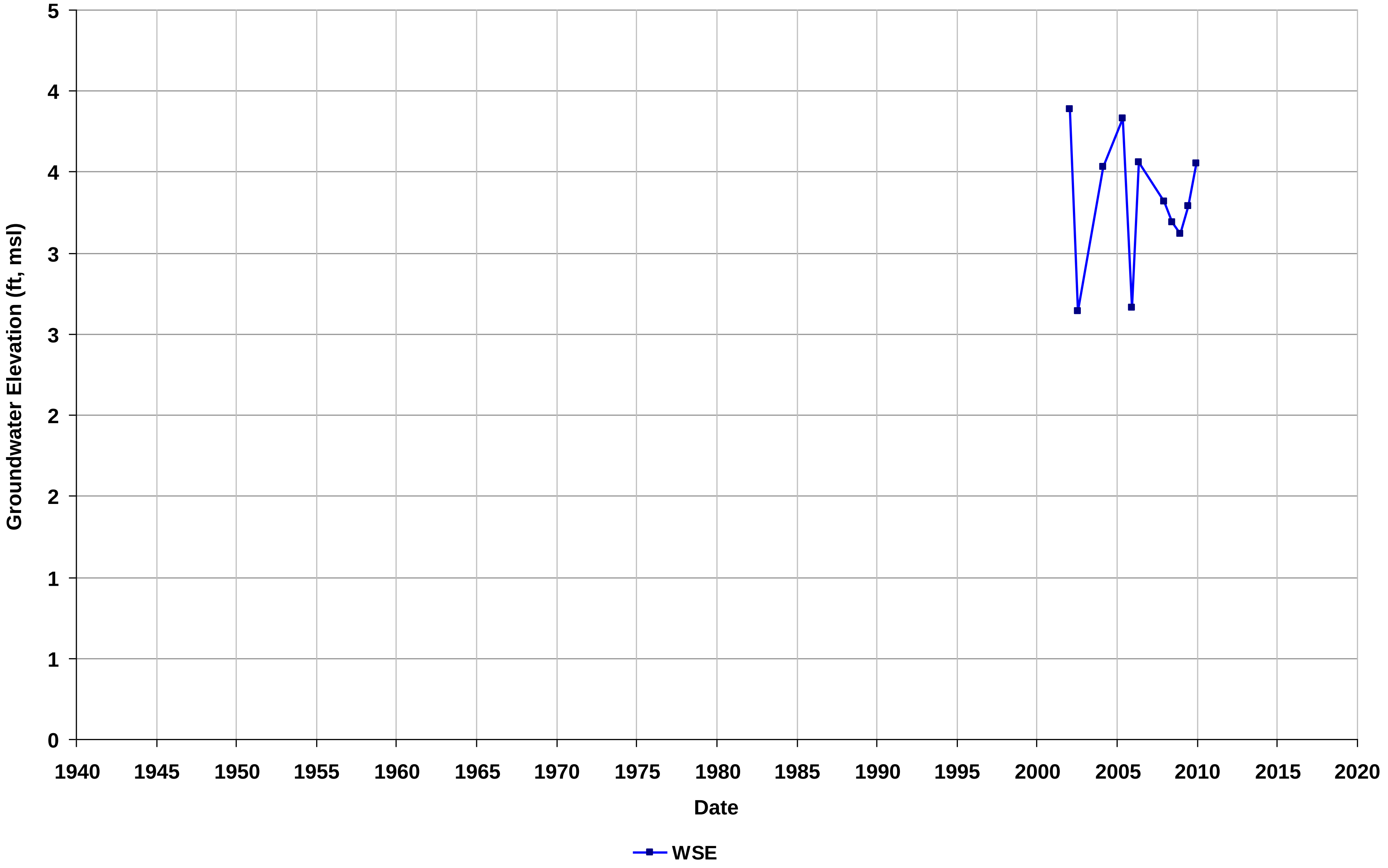
Well Name: T0600100917-MW-14
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/03
Well Use: Observation



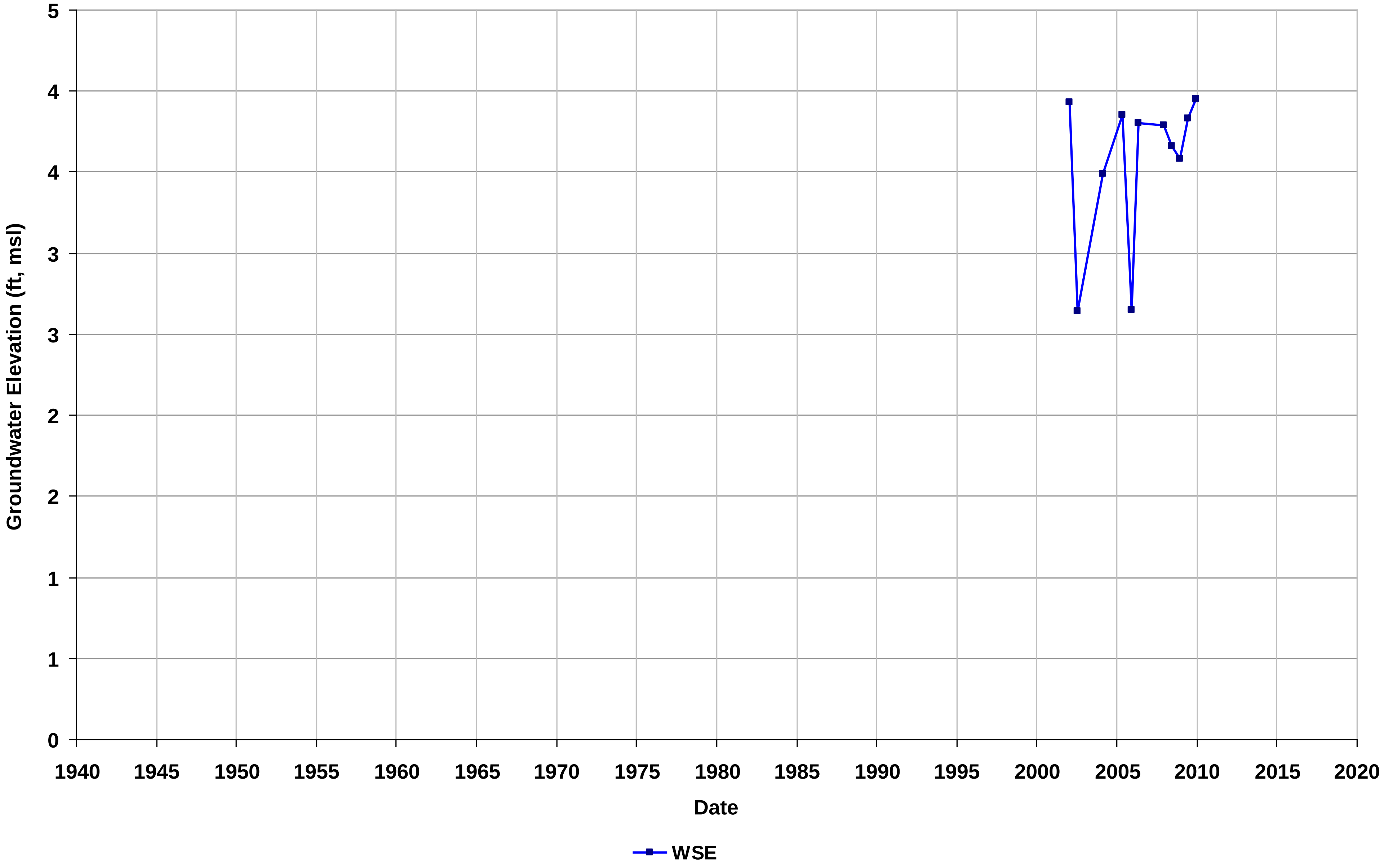
Well Name: T0600100918-MW-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/09
Well Use: Observation



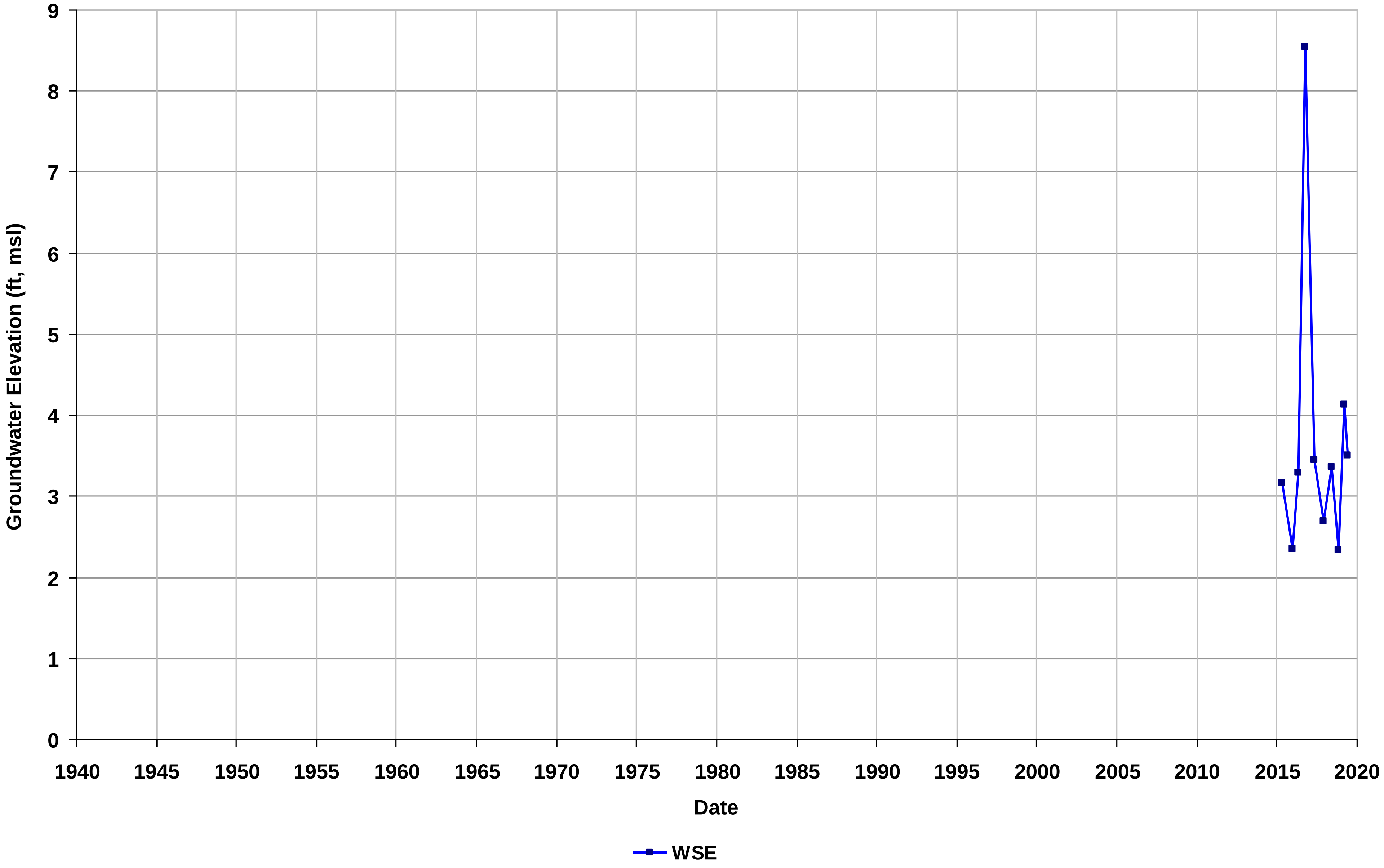
Well Name: T0600100918-MW-9
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/09
Well Use: Observation



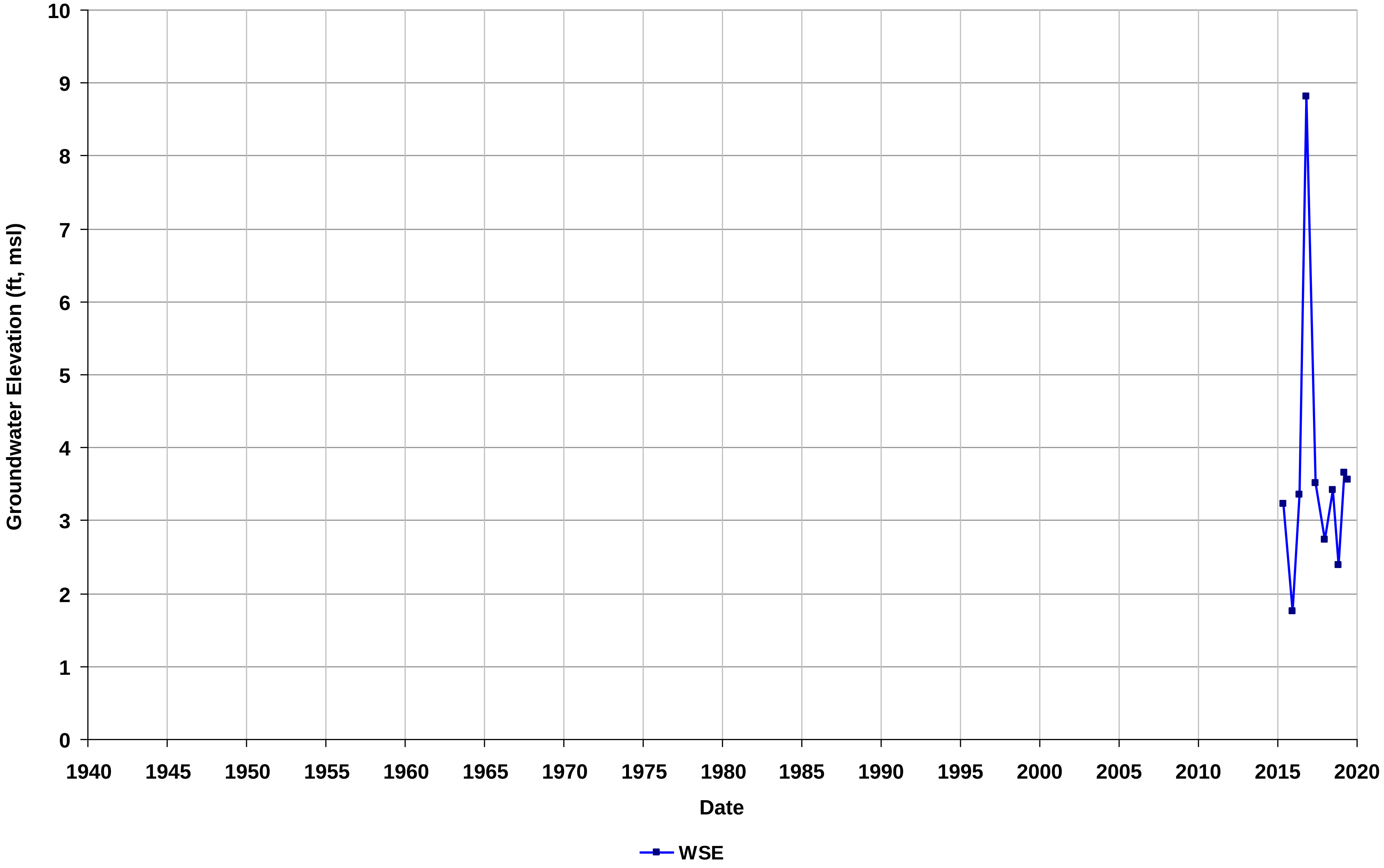
Well Name: T0600100918-OW1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/09
Well Use: Observation



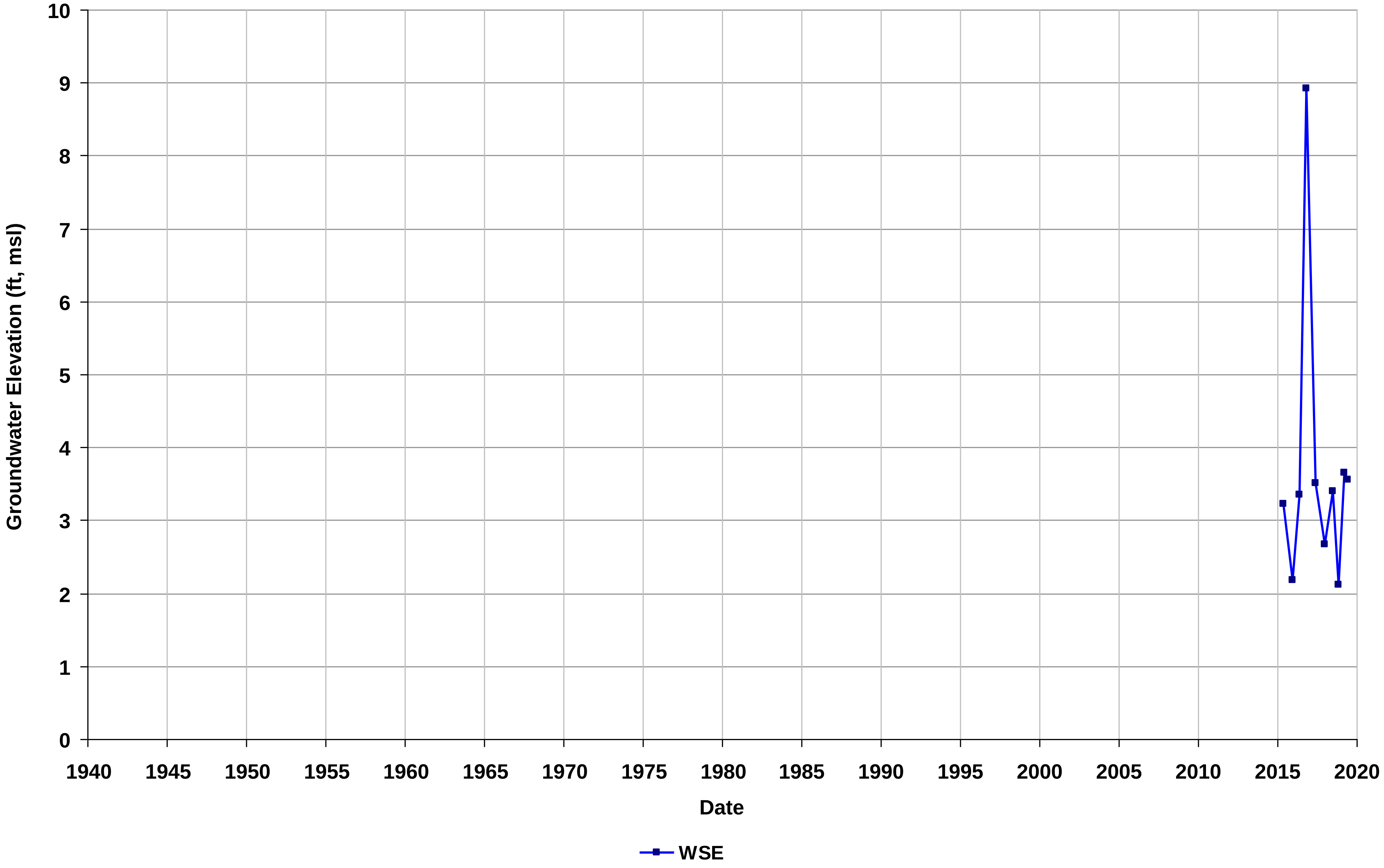
Well Name: T0600100918-OW2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/09
Well Use: Observation



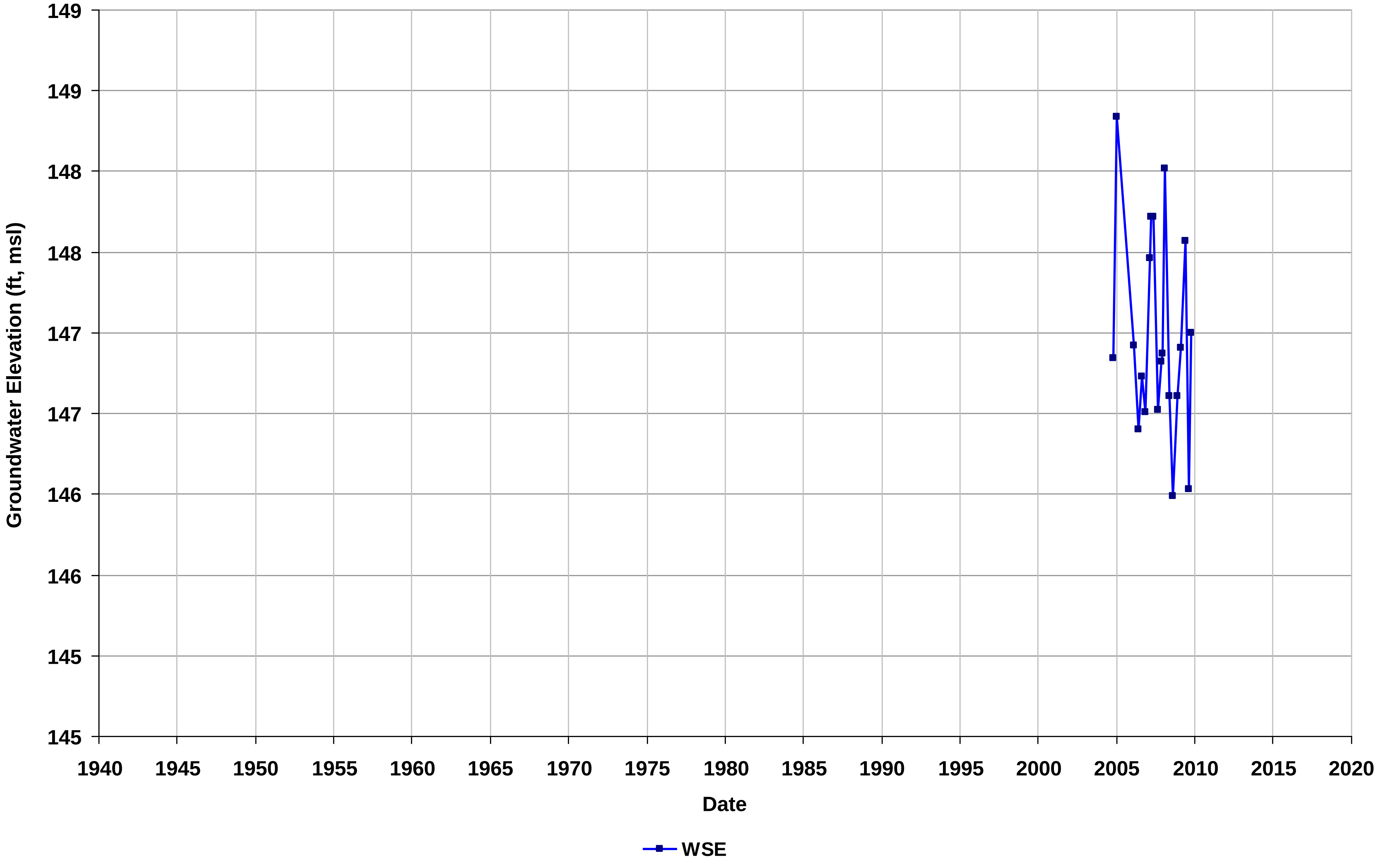
Well Name: T0600100918-OW3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/09
Well Use: Observation



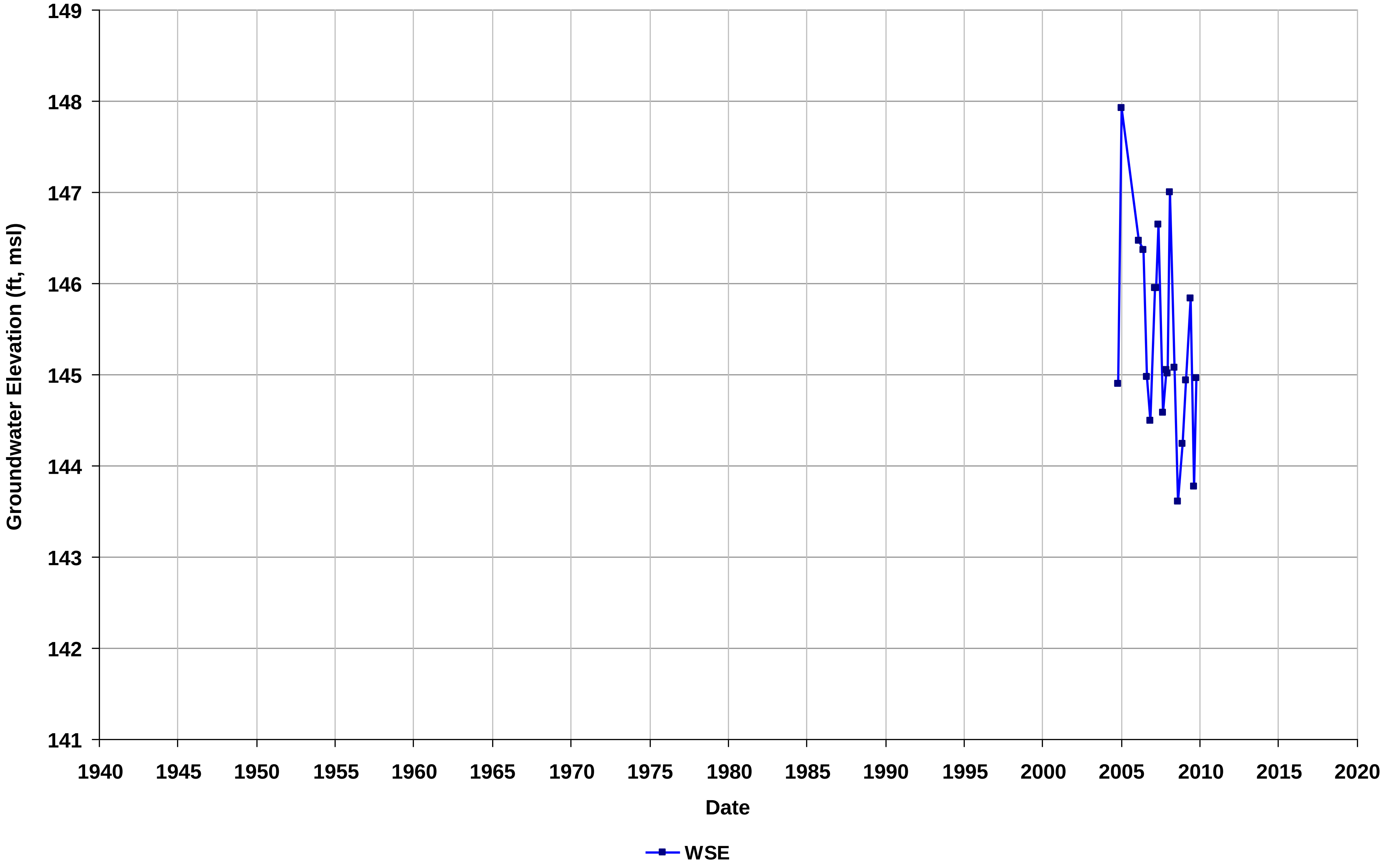
Well Name: T0600100919-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



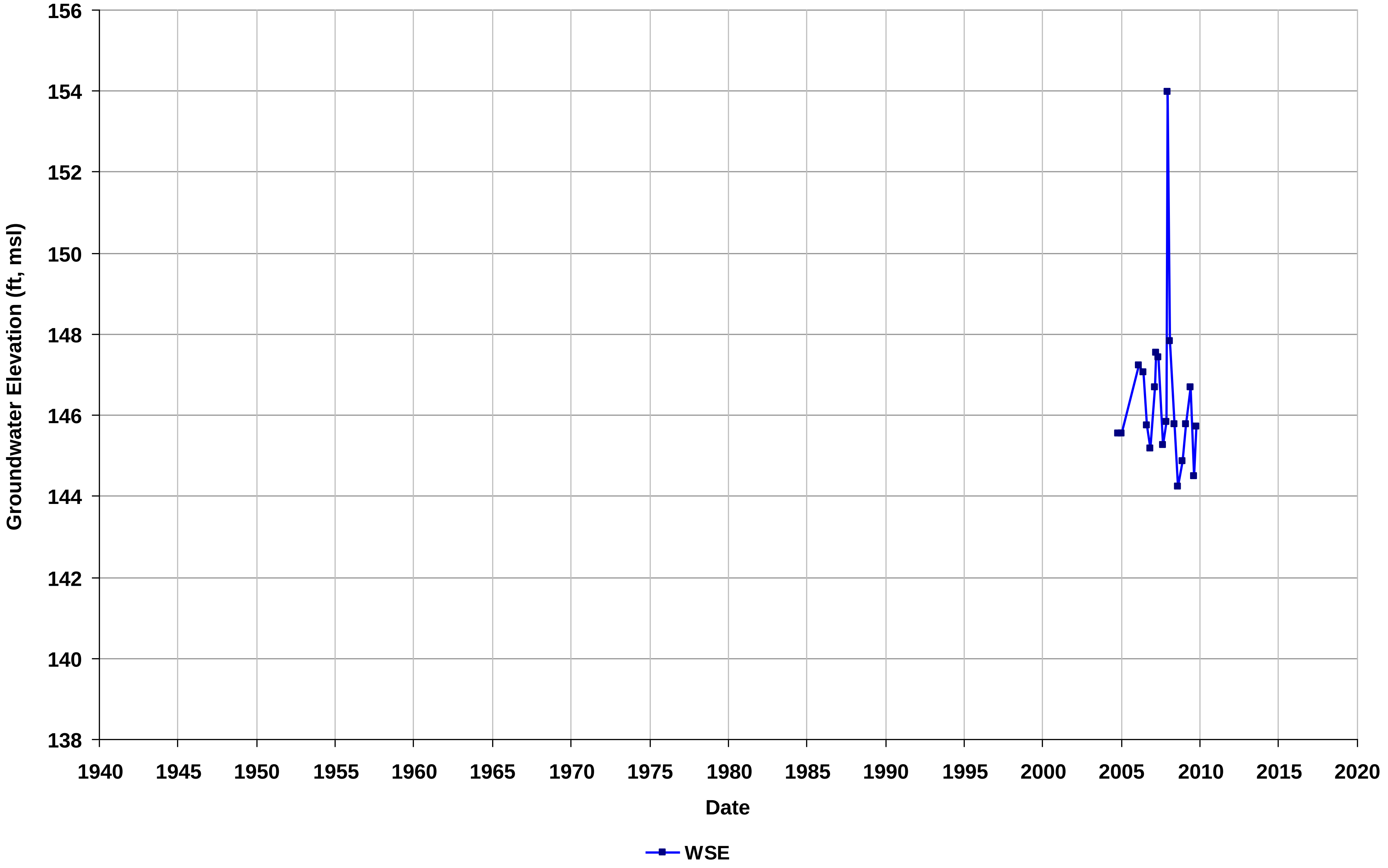
Well Name: T0600100919-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



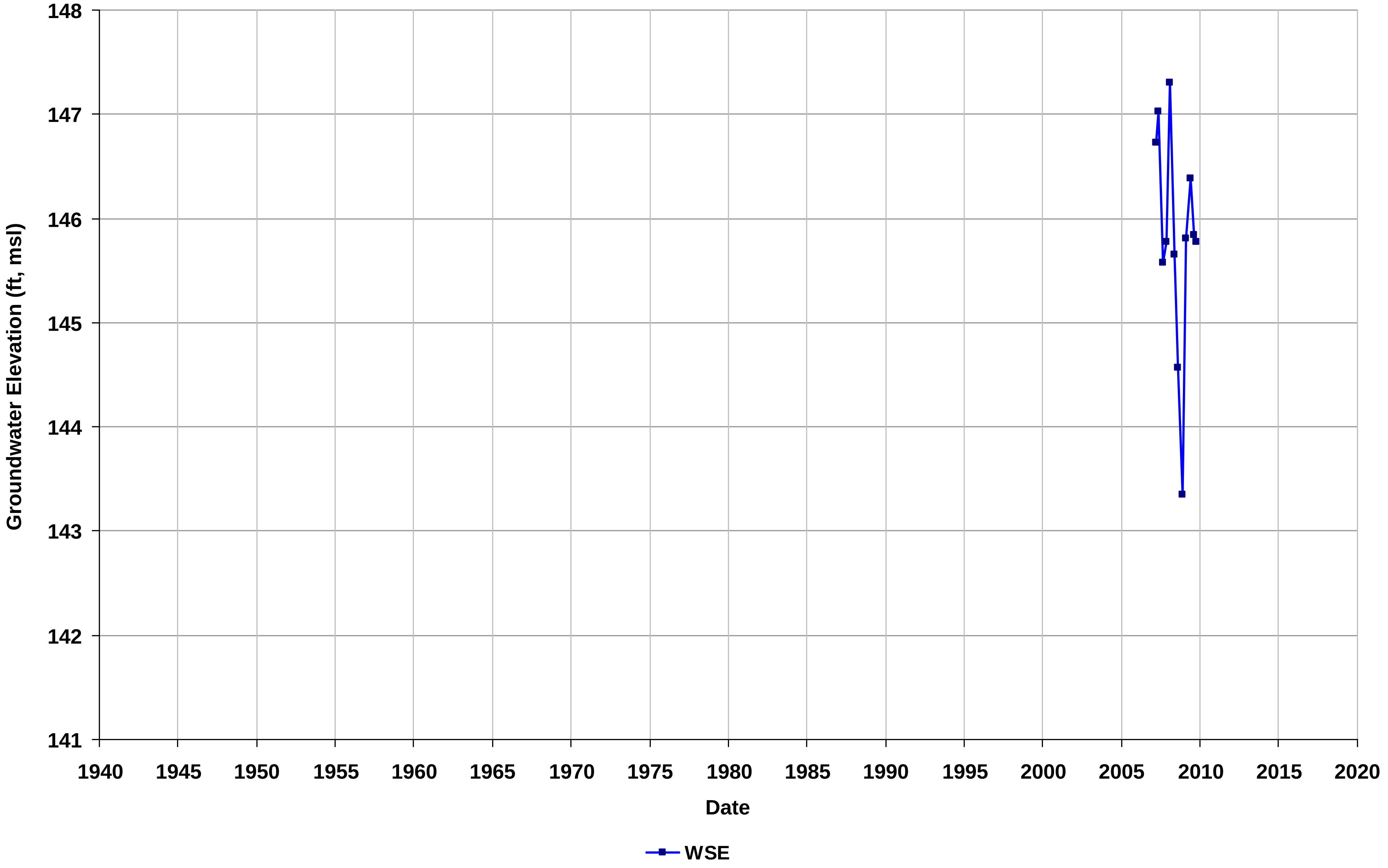
Well Name: T0600100919-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



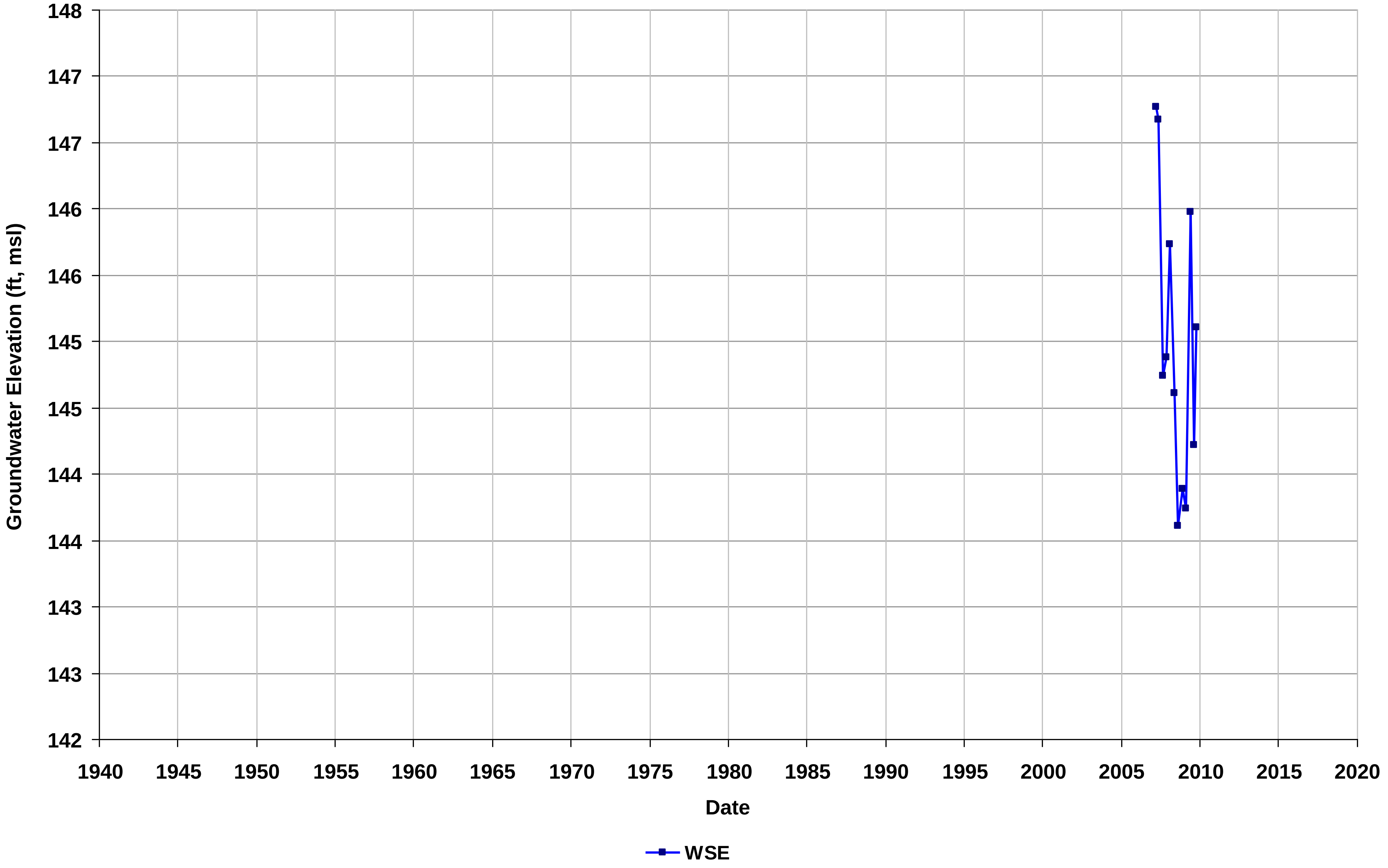
Well Name: T0600100919-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



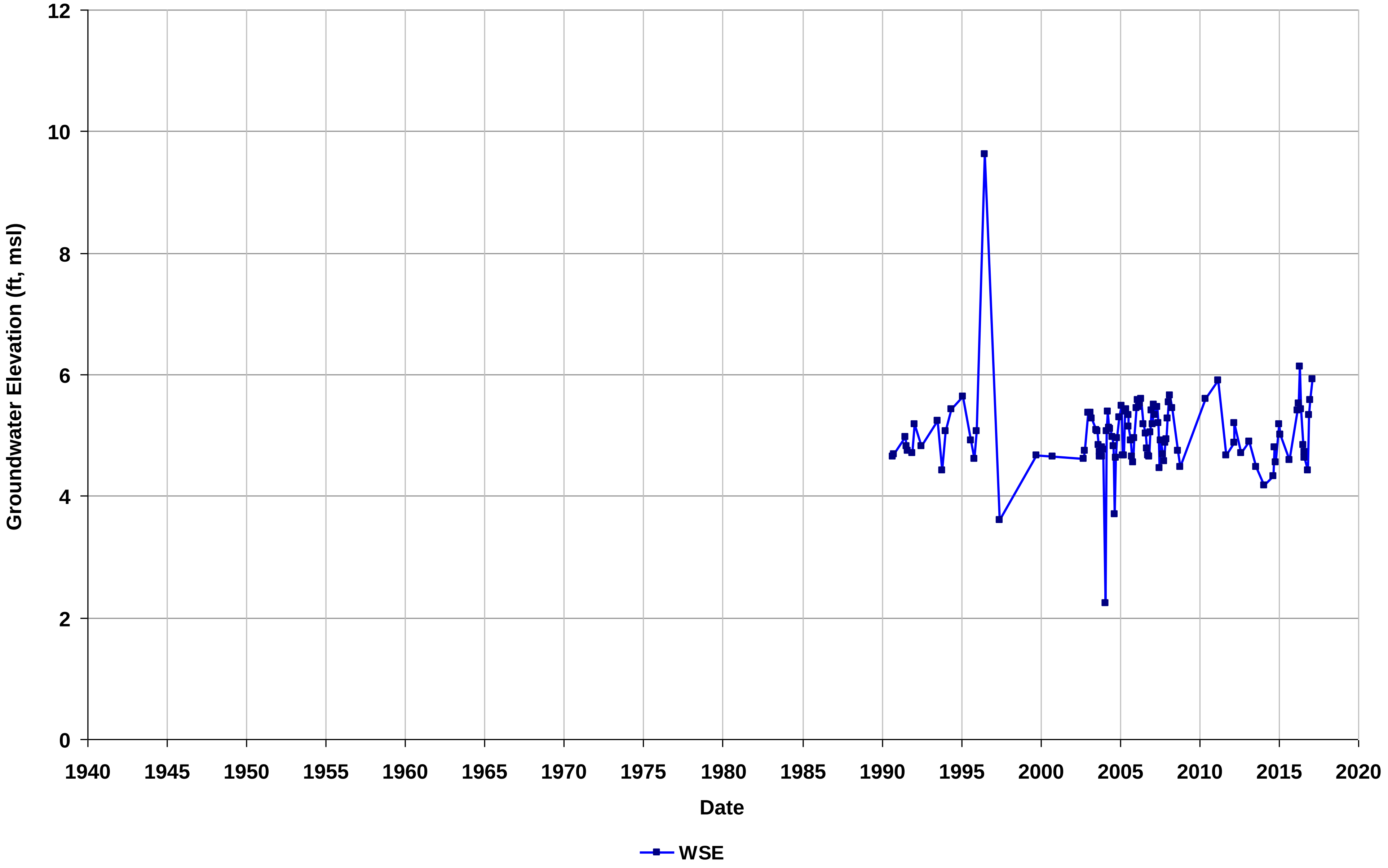
Well Name: T0600100919-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



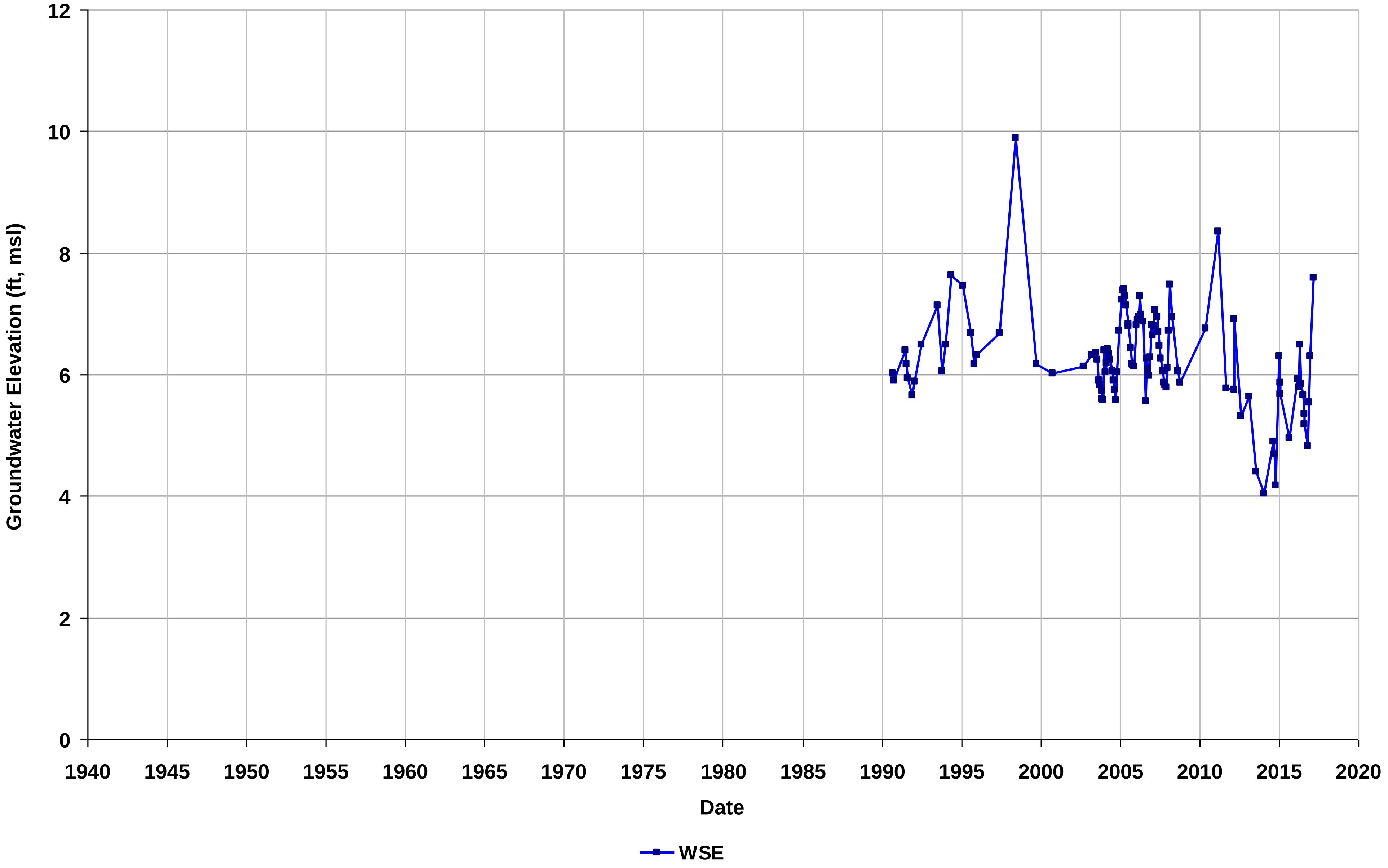
Well Name: T0600100939-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/28
Well Use: Observation



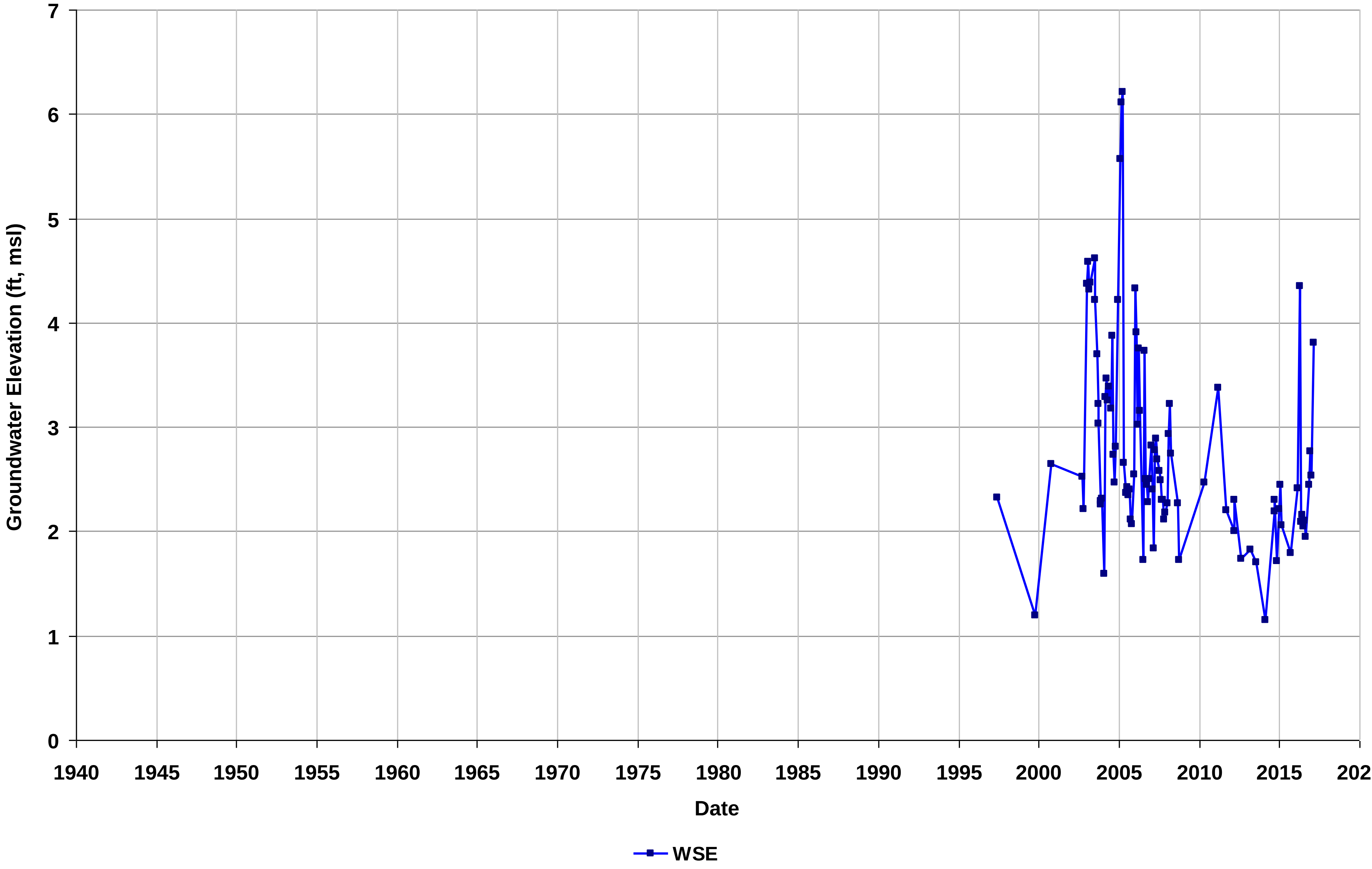
Well Name: T0600100939-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/28
Well Use: Observation



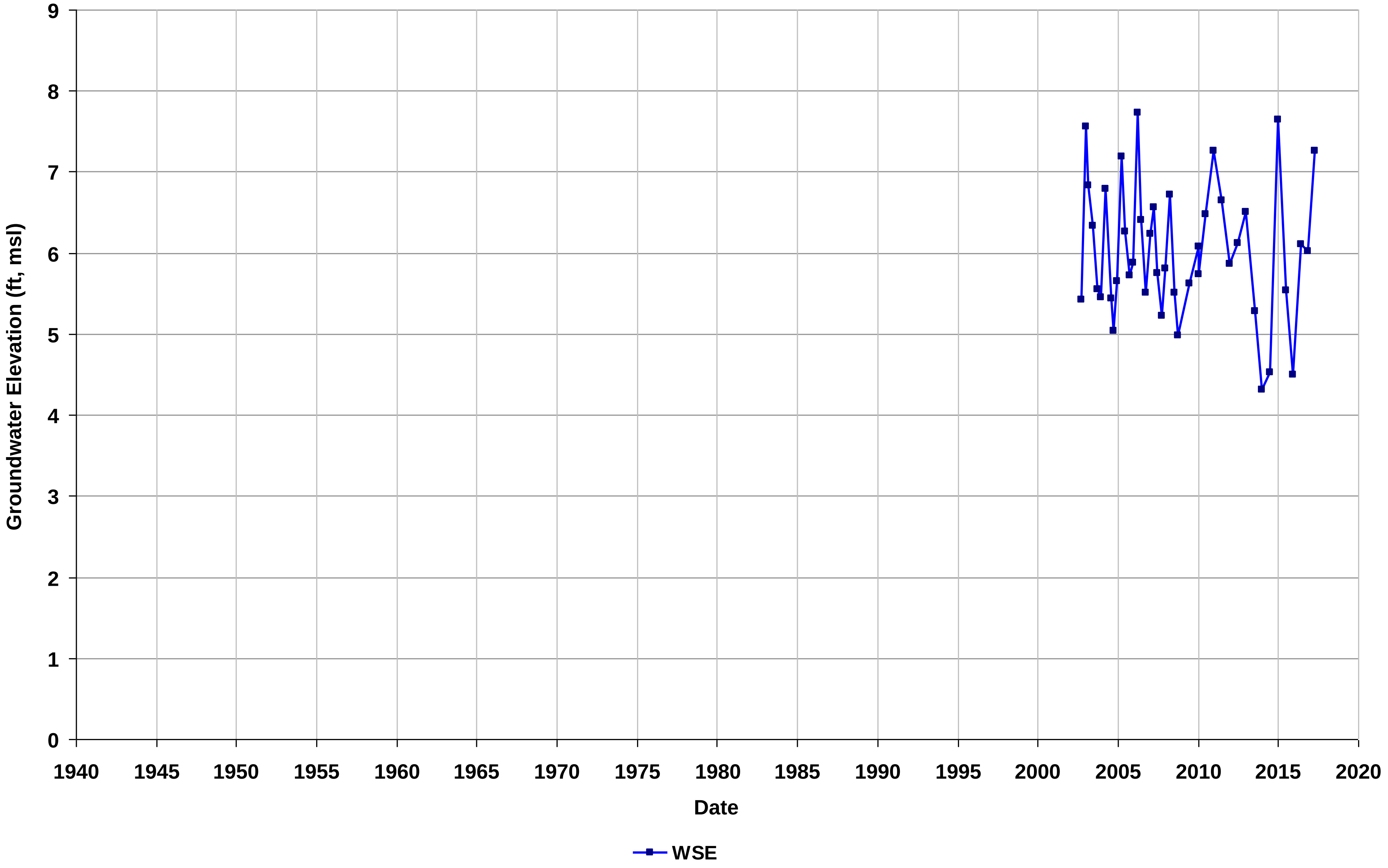
Well Name: T0600100939-OW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/28
Well Use: Observation



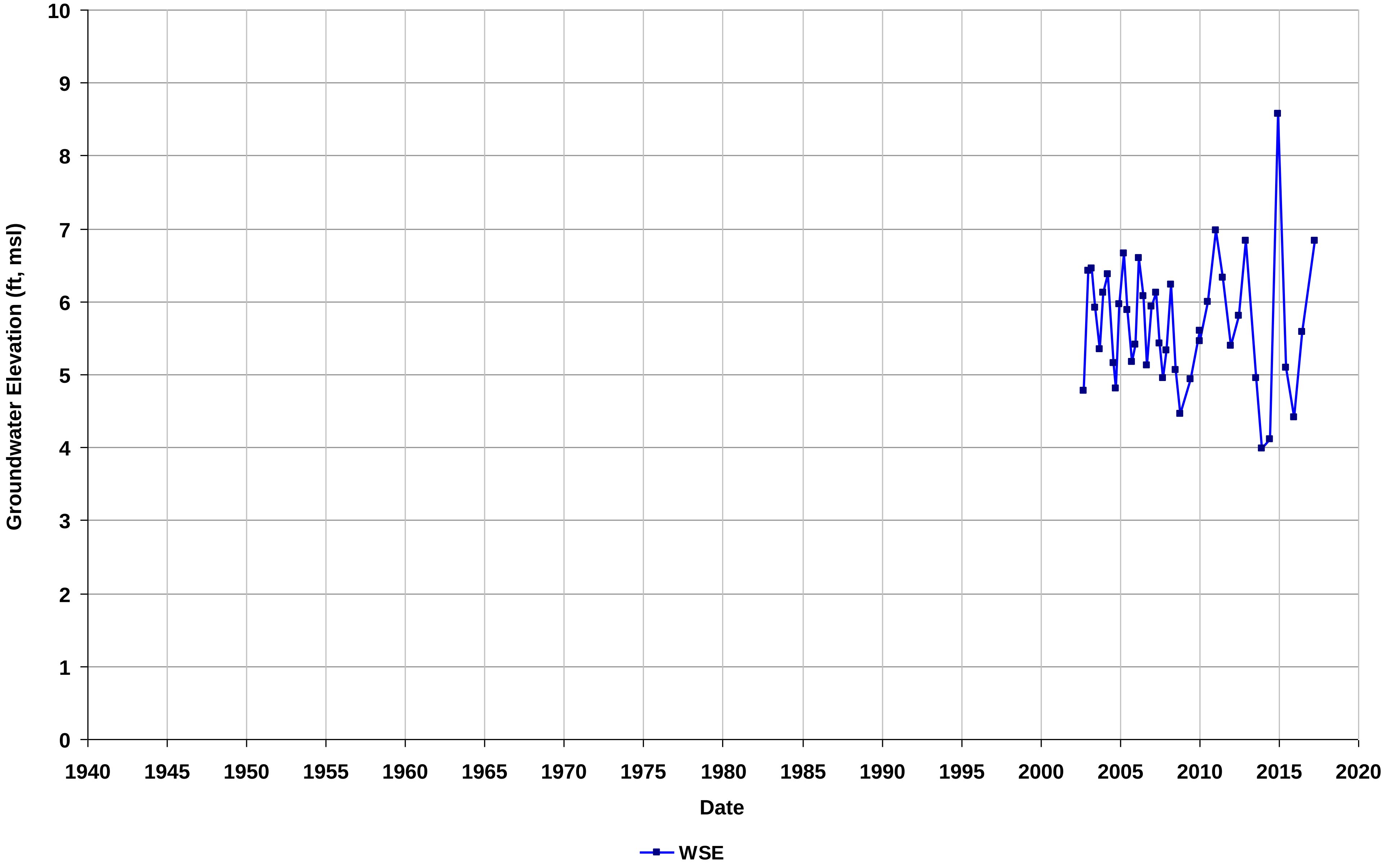
Well Name: T0600100960-MW-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/10
Well Use: Observation



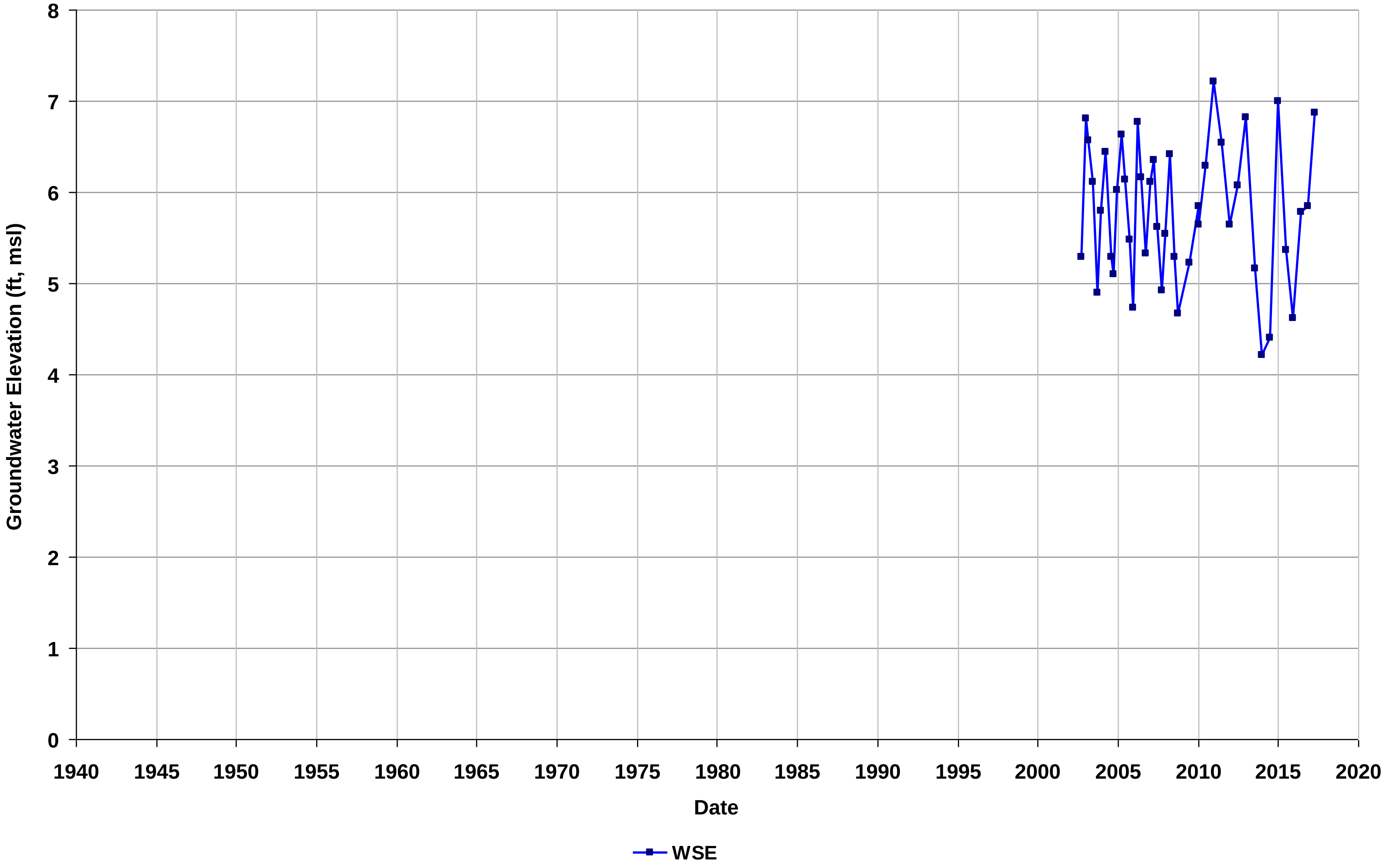
Well Name: T0600100960-MW-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/10
Well Use: Observation



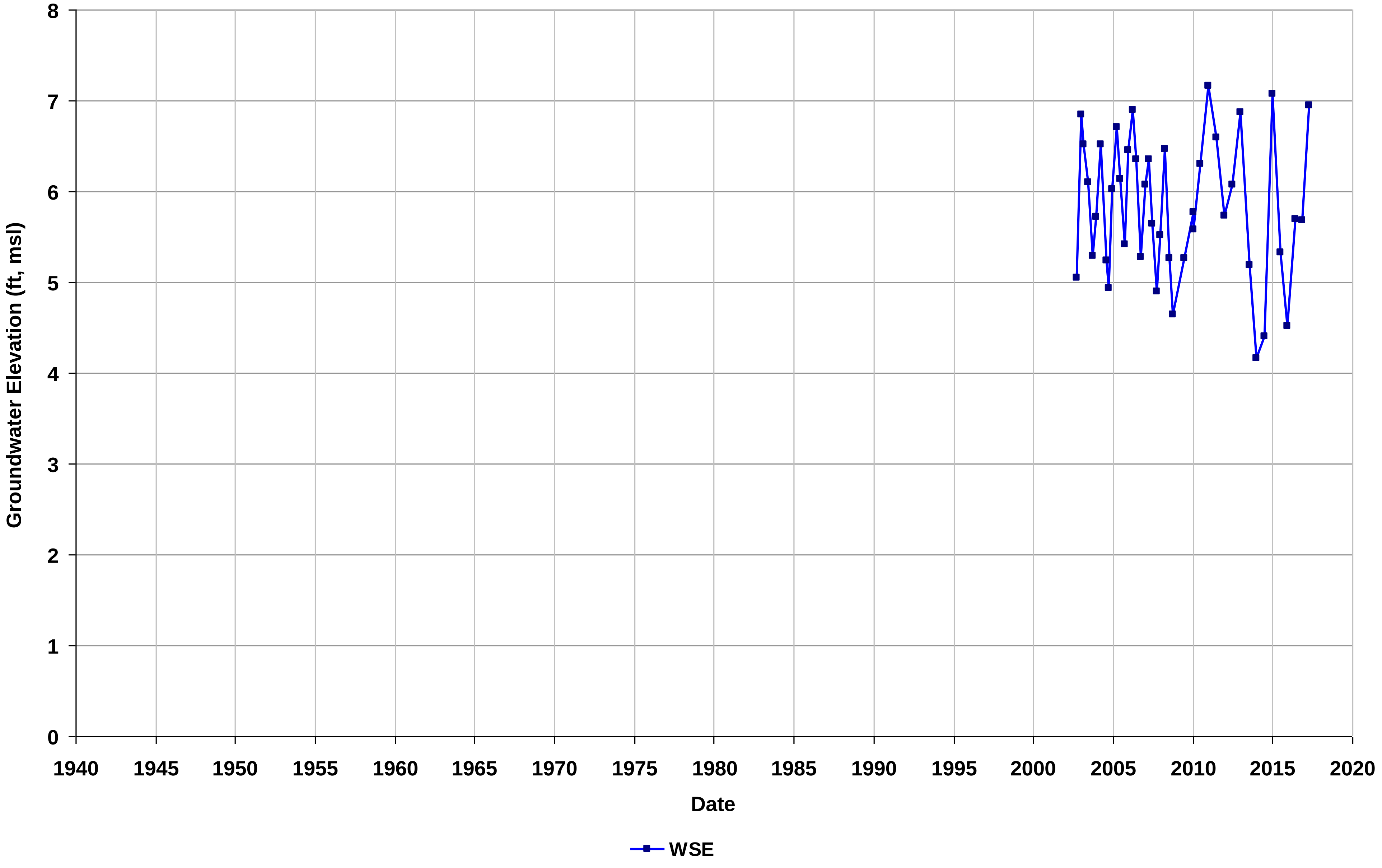
Well Name: T0600100960-MW-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/10
Well Use: Observation



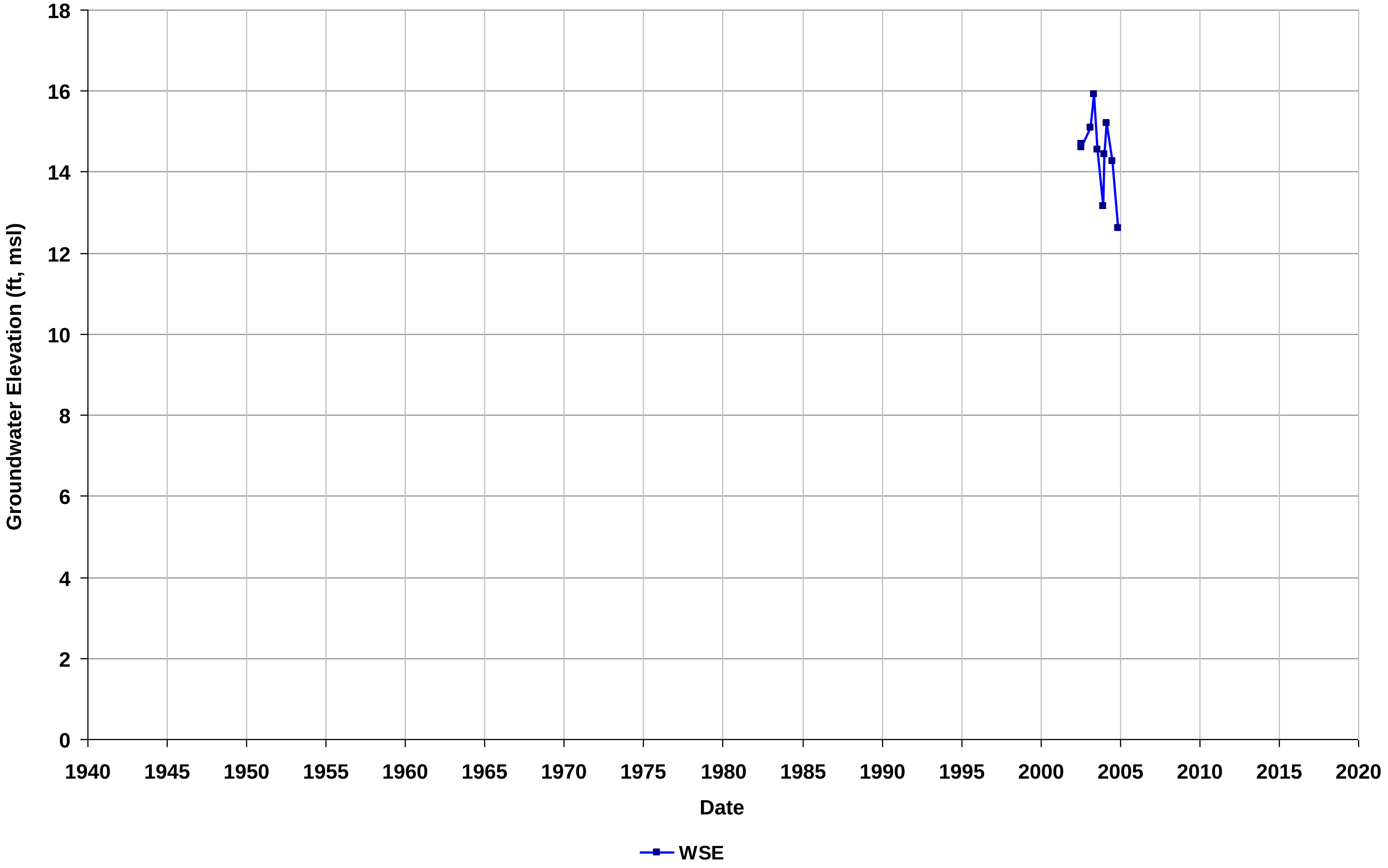
Well Name: T0600100960-MW-5
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/10
Well Use: Observation



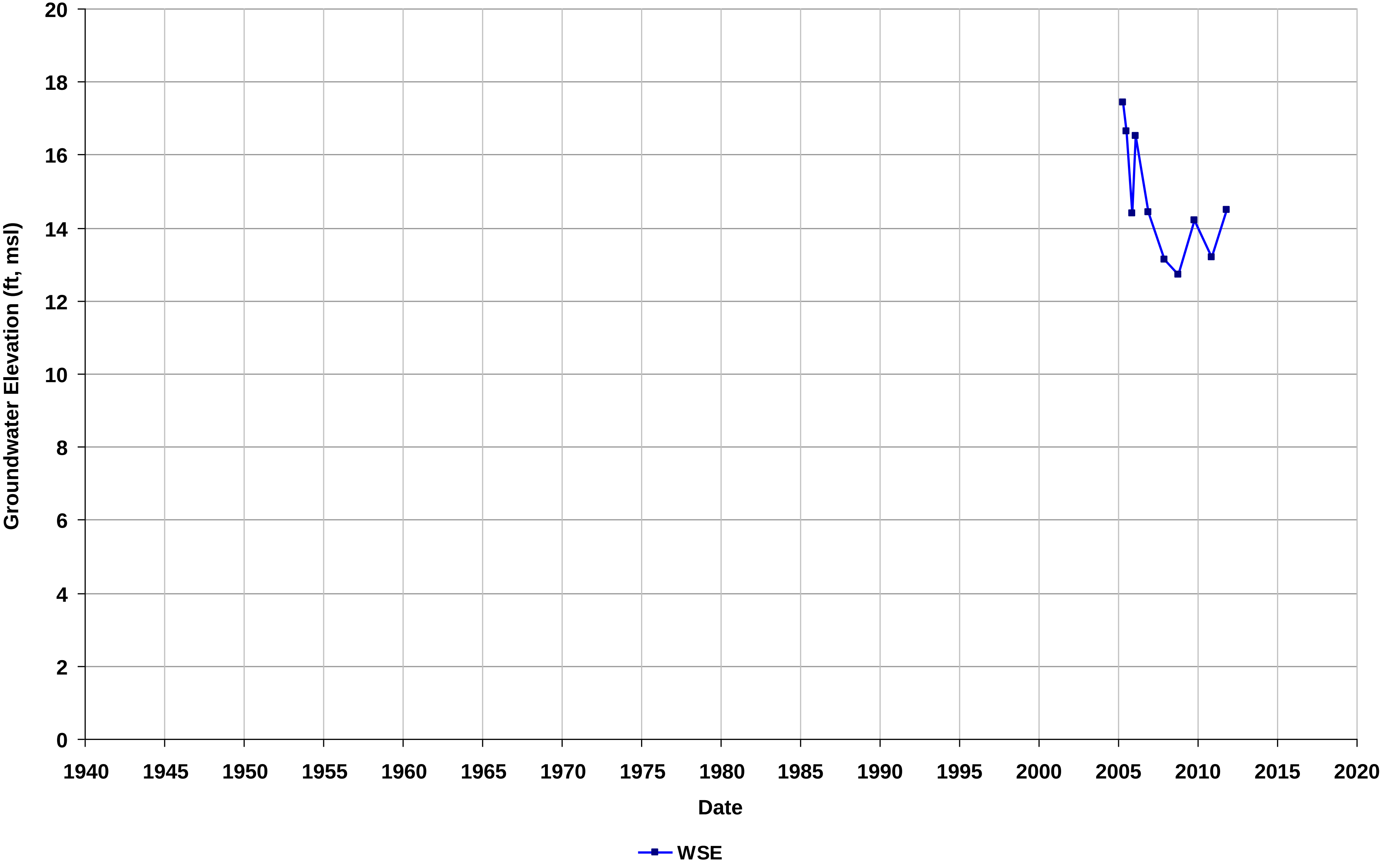
Well Name: T0600101010-MW-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/12
Well Use: Observation



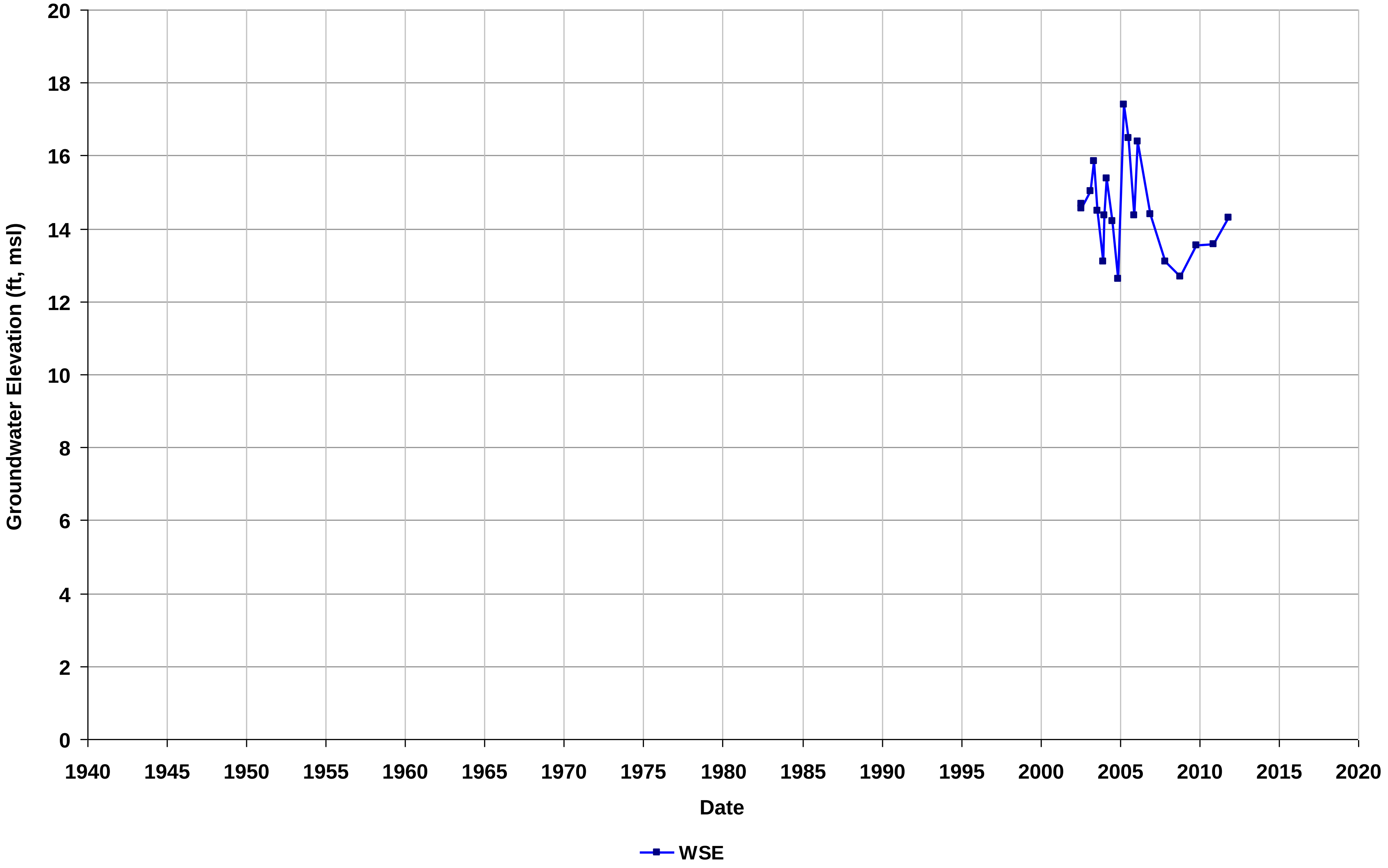
Well Name: T0600101010-MW-1A
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/12
Well Use: Observation



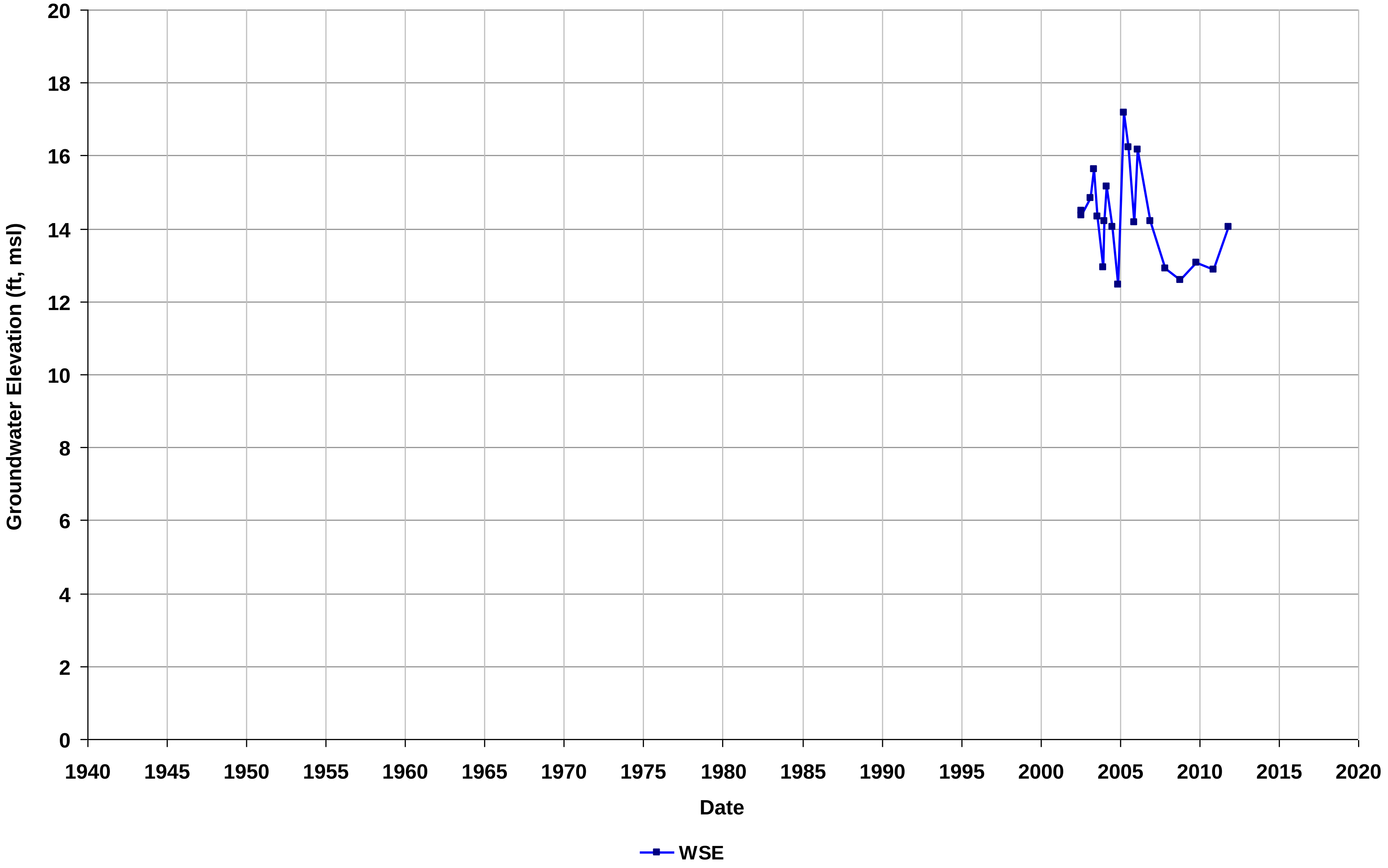
Well Name: T0600101010-MW-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/12
Well Use: Observation



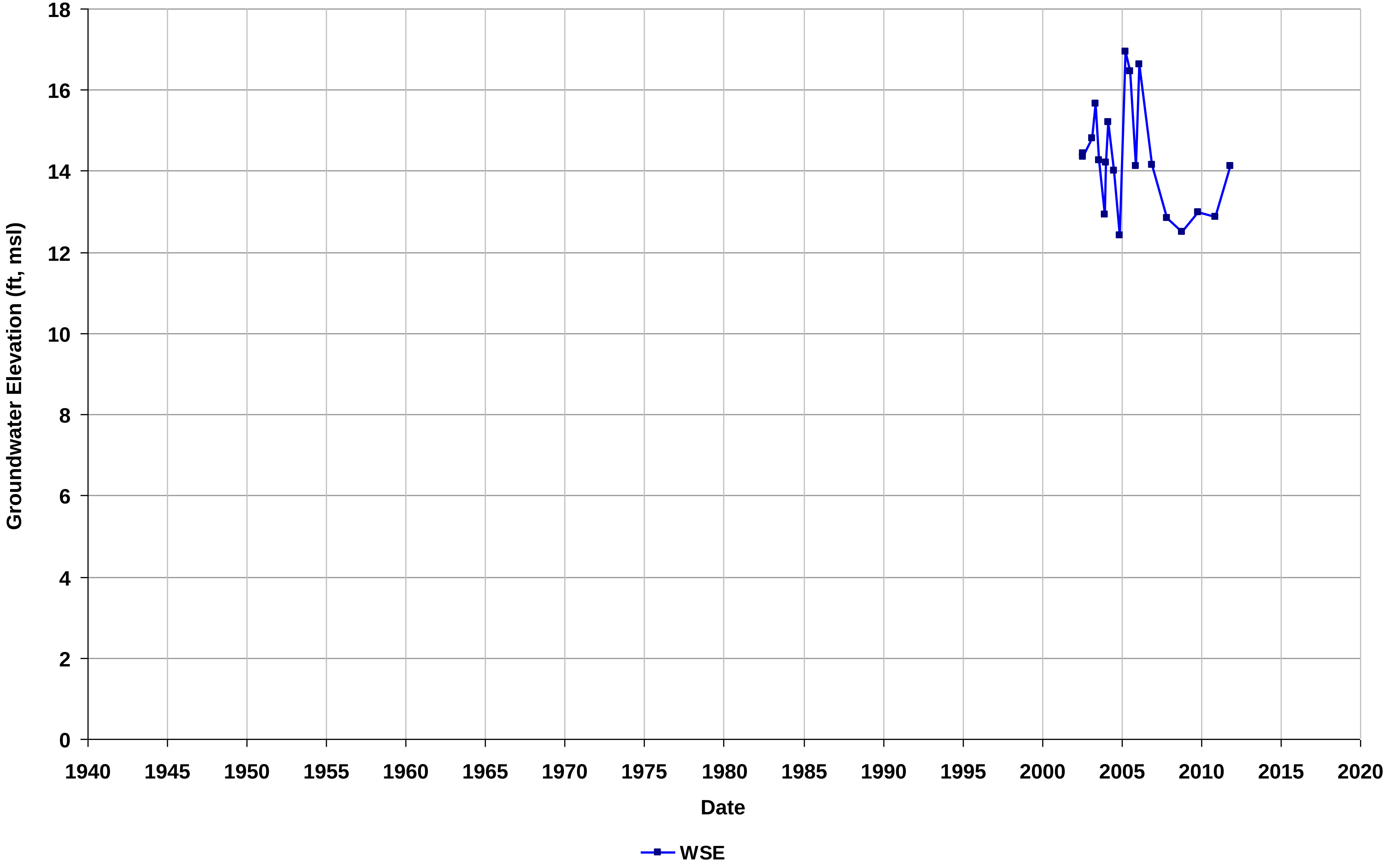
Well Name: T0600101010-MW-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/12
Well Use: Observation



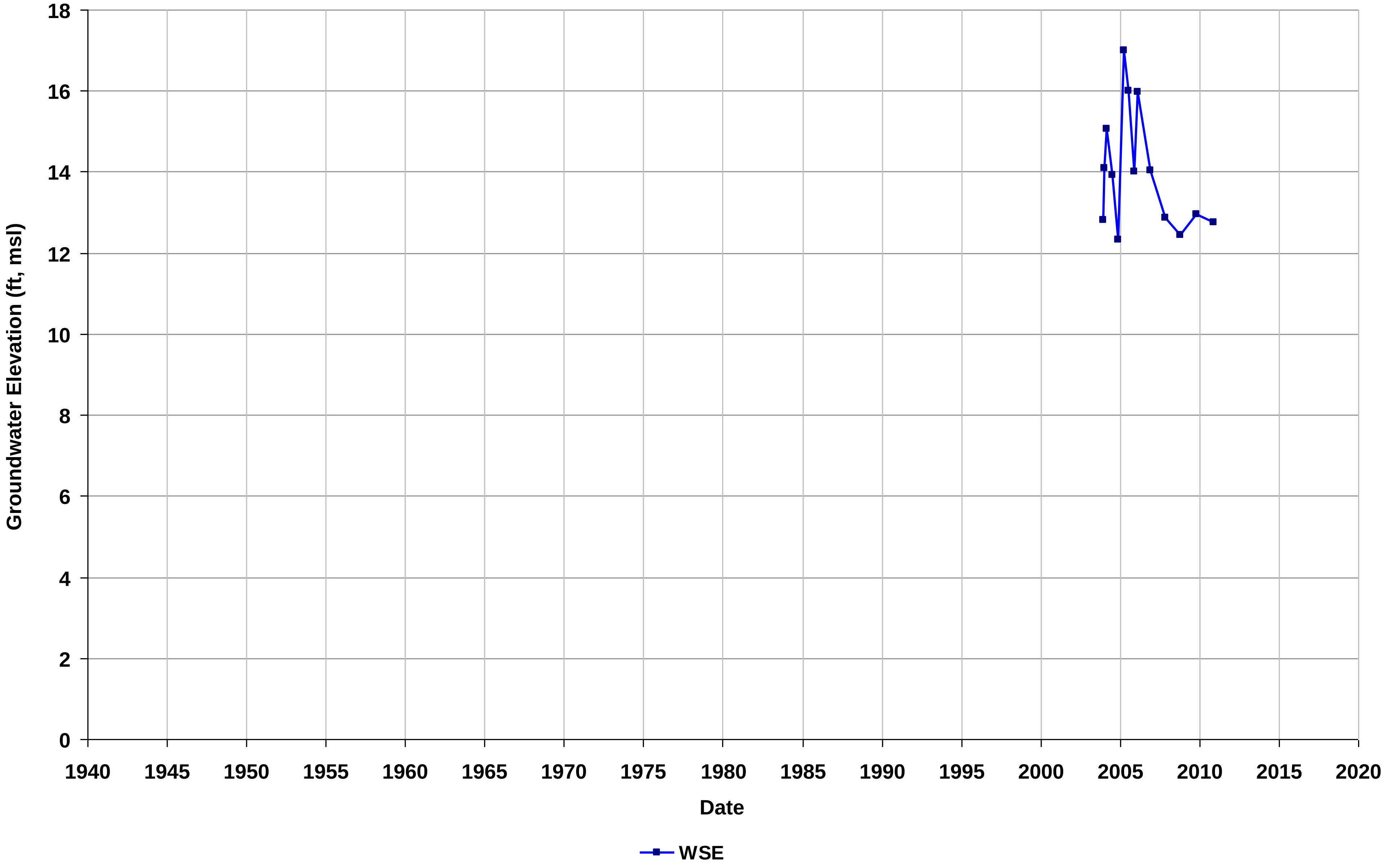
Well Name: T0600101010-MW-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/12
Well Use: Observation



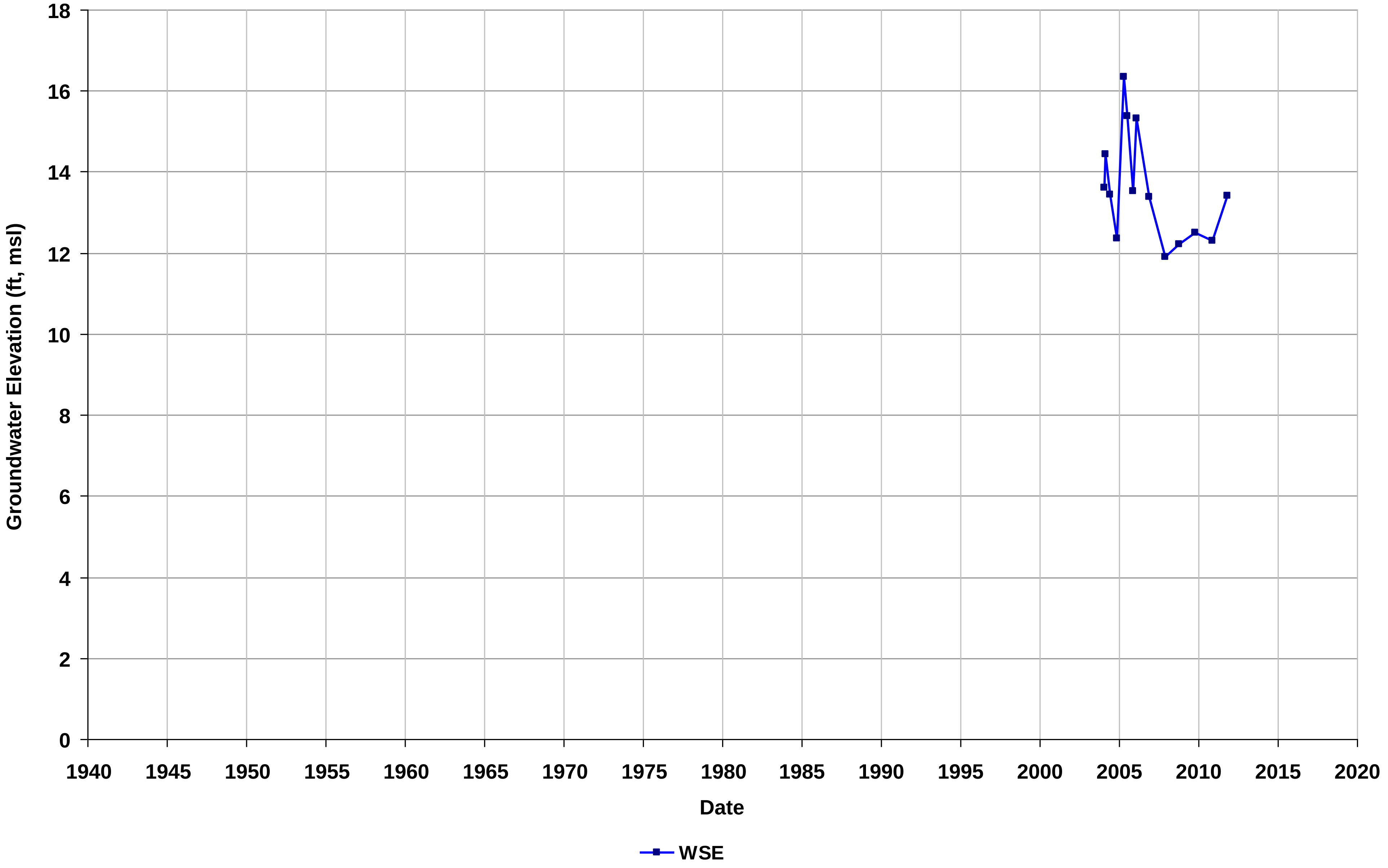
Well Name: T0600101010-MW-5
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/12
Well Use: Observation



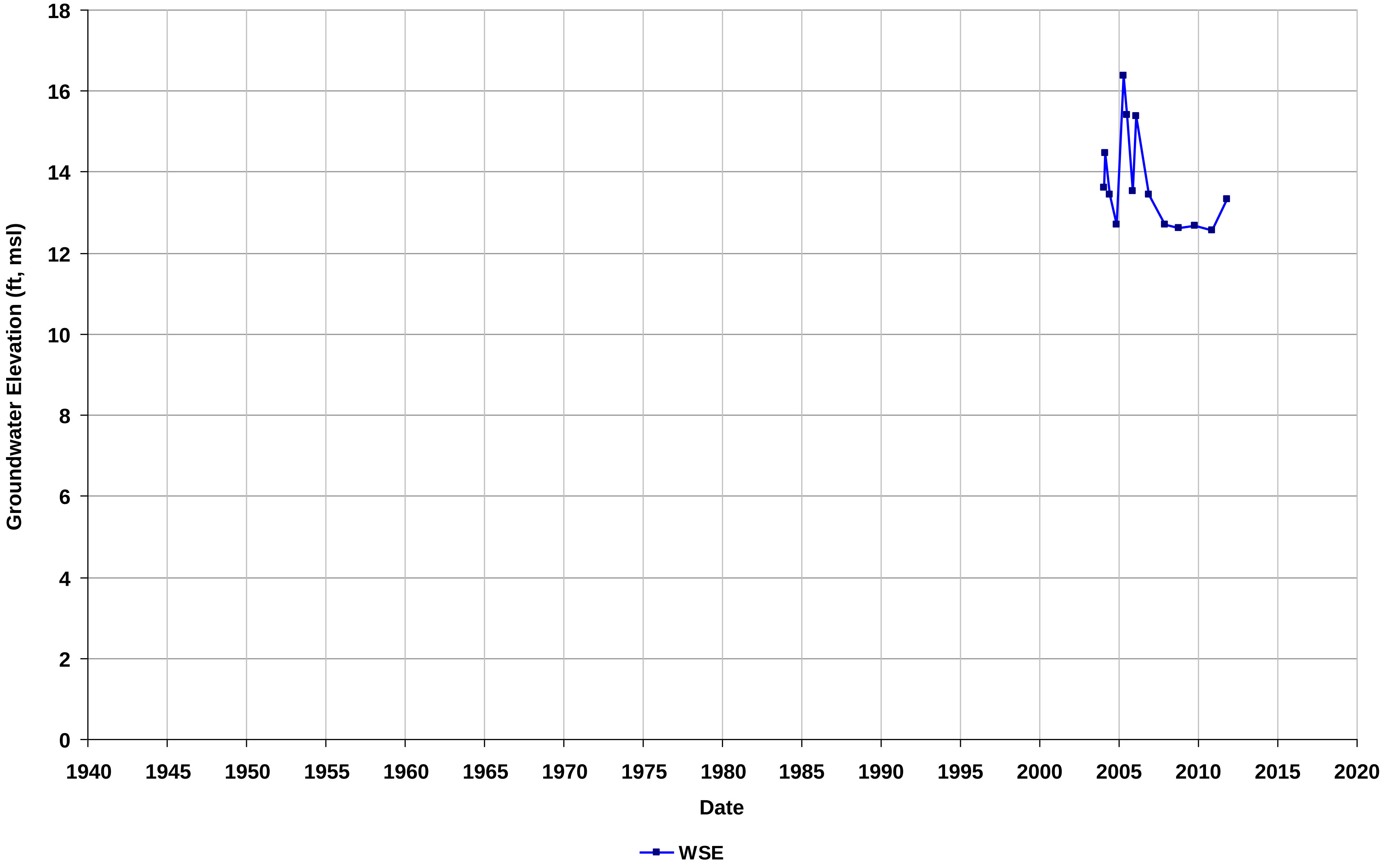
Well Name: T0600101010-MW-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/11
Well Use: Observation



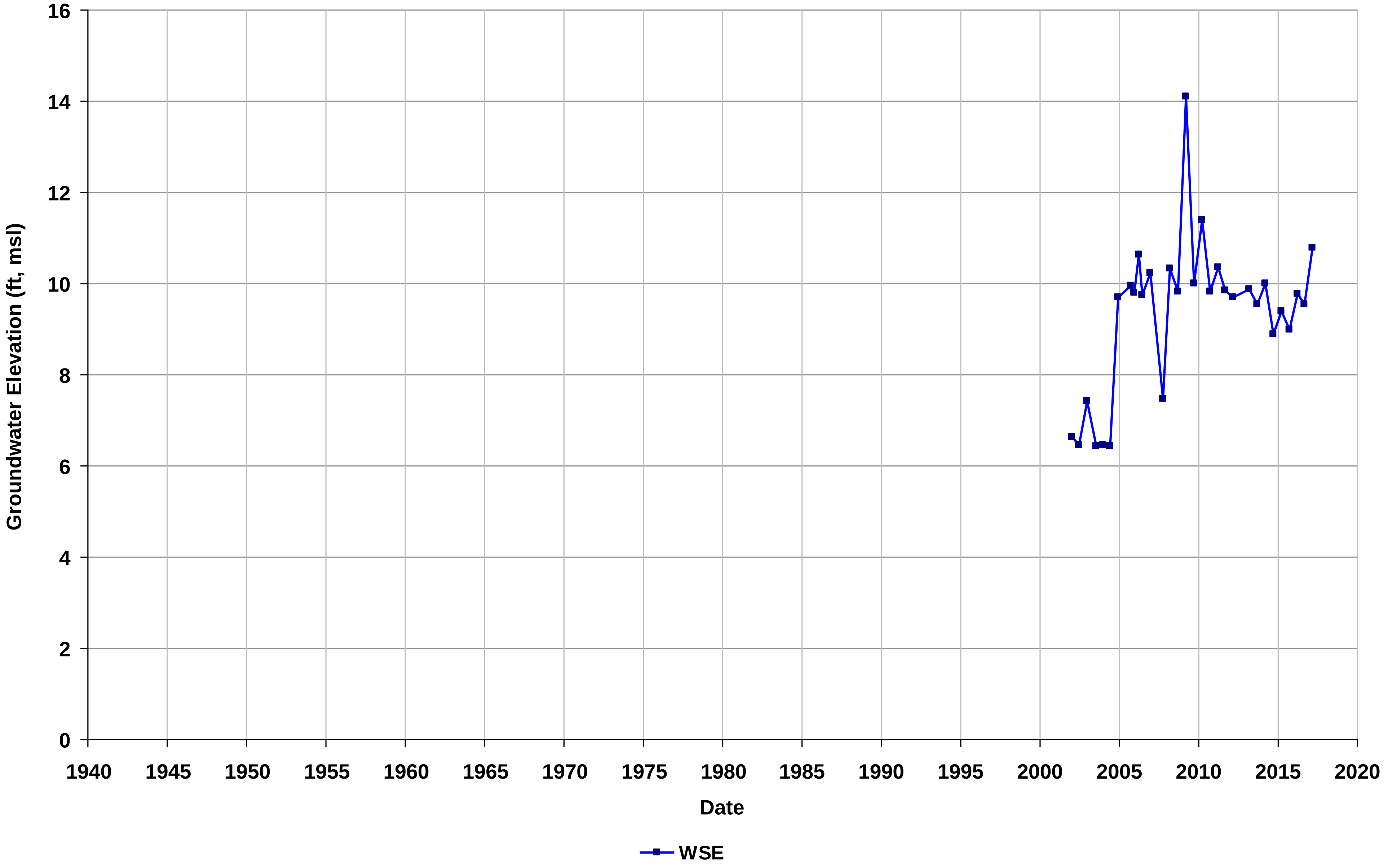
Well Name: T0600101010-MW-7
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/11
Well Use: Observation



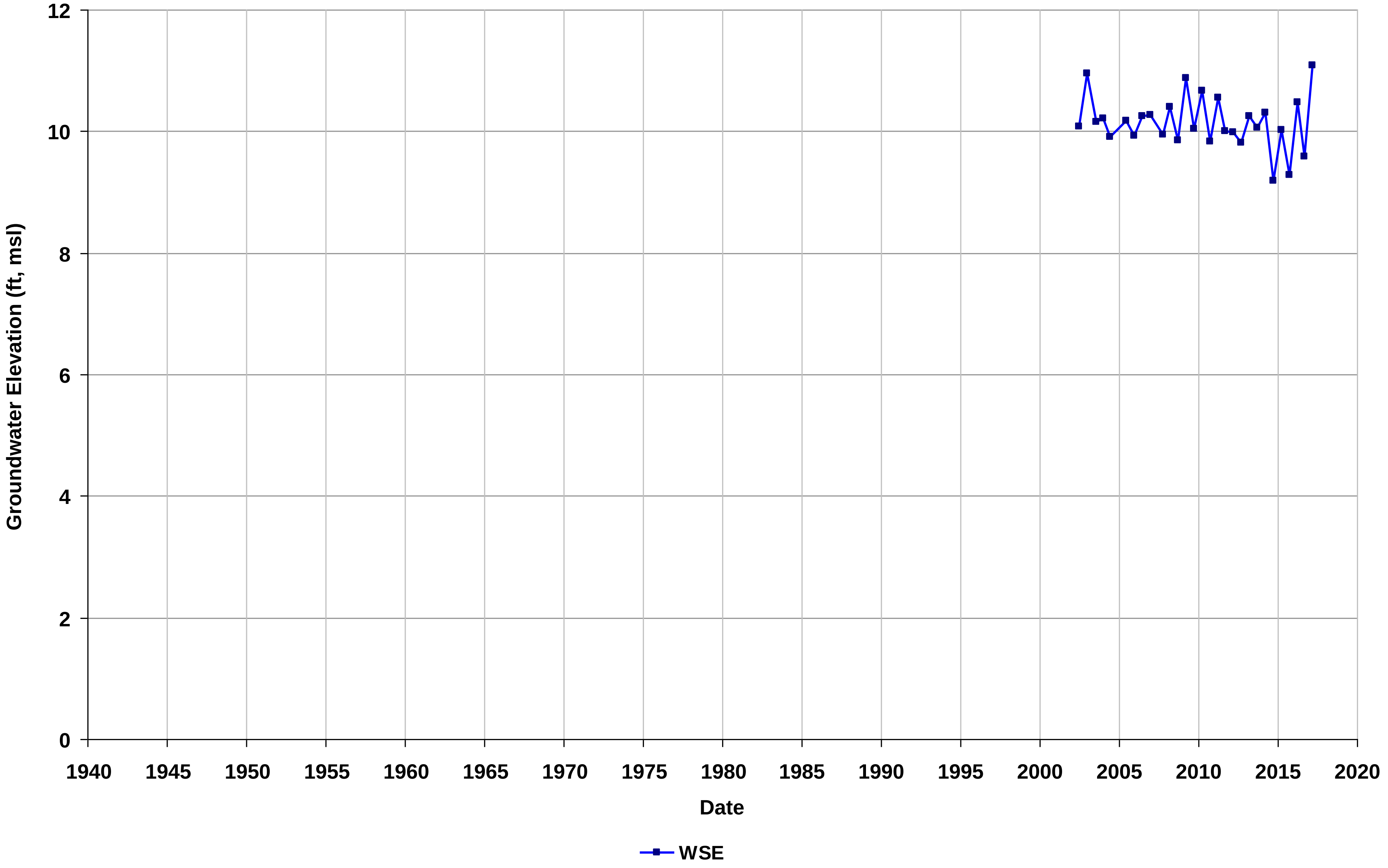
Well Name: T0600101033-MW-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



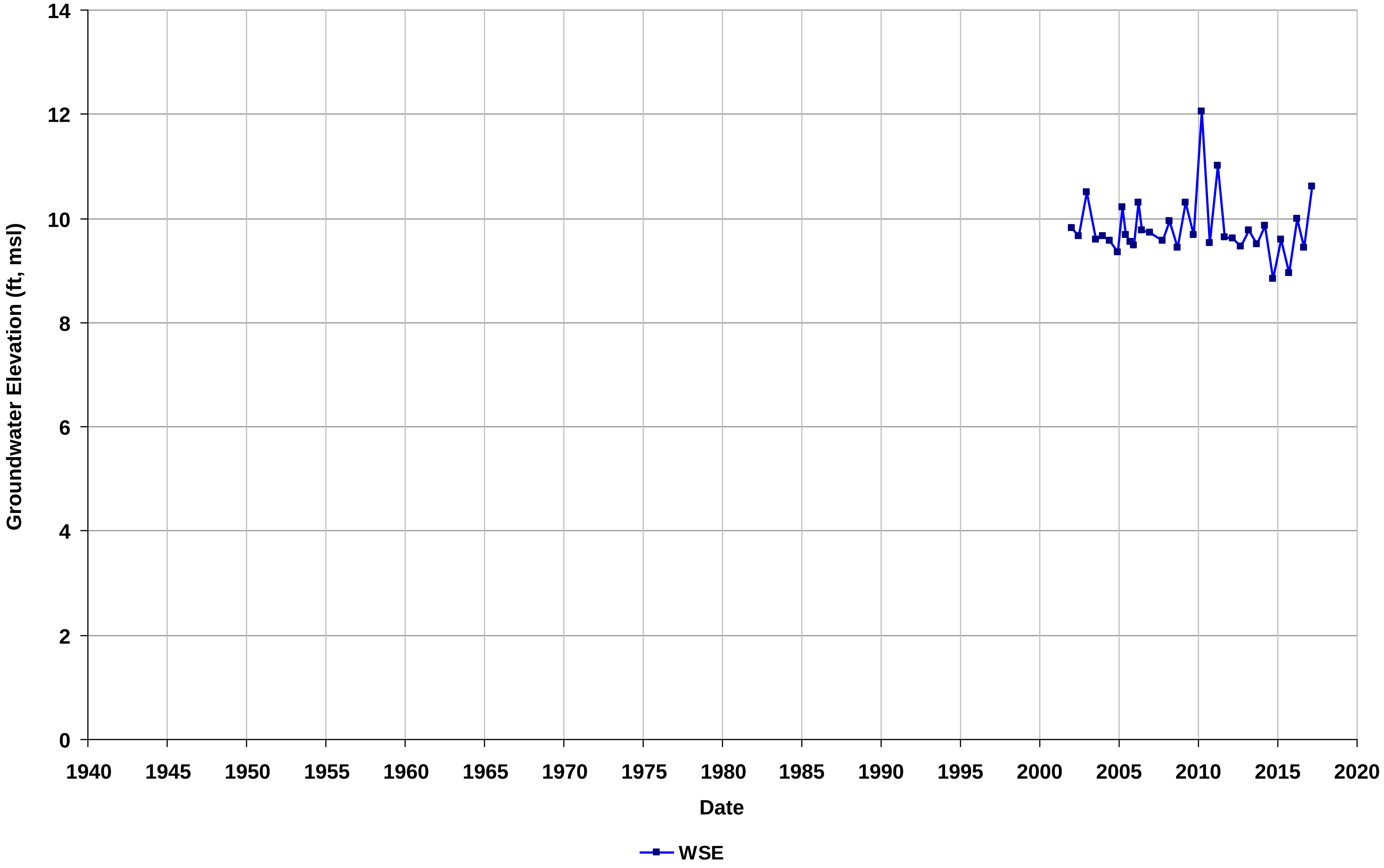
Well Name: T0600101033-MW-10
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



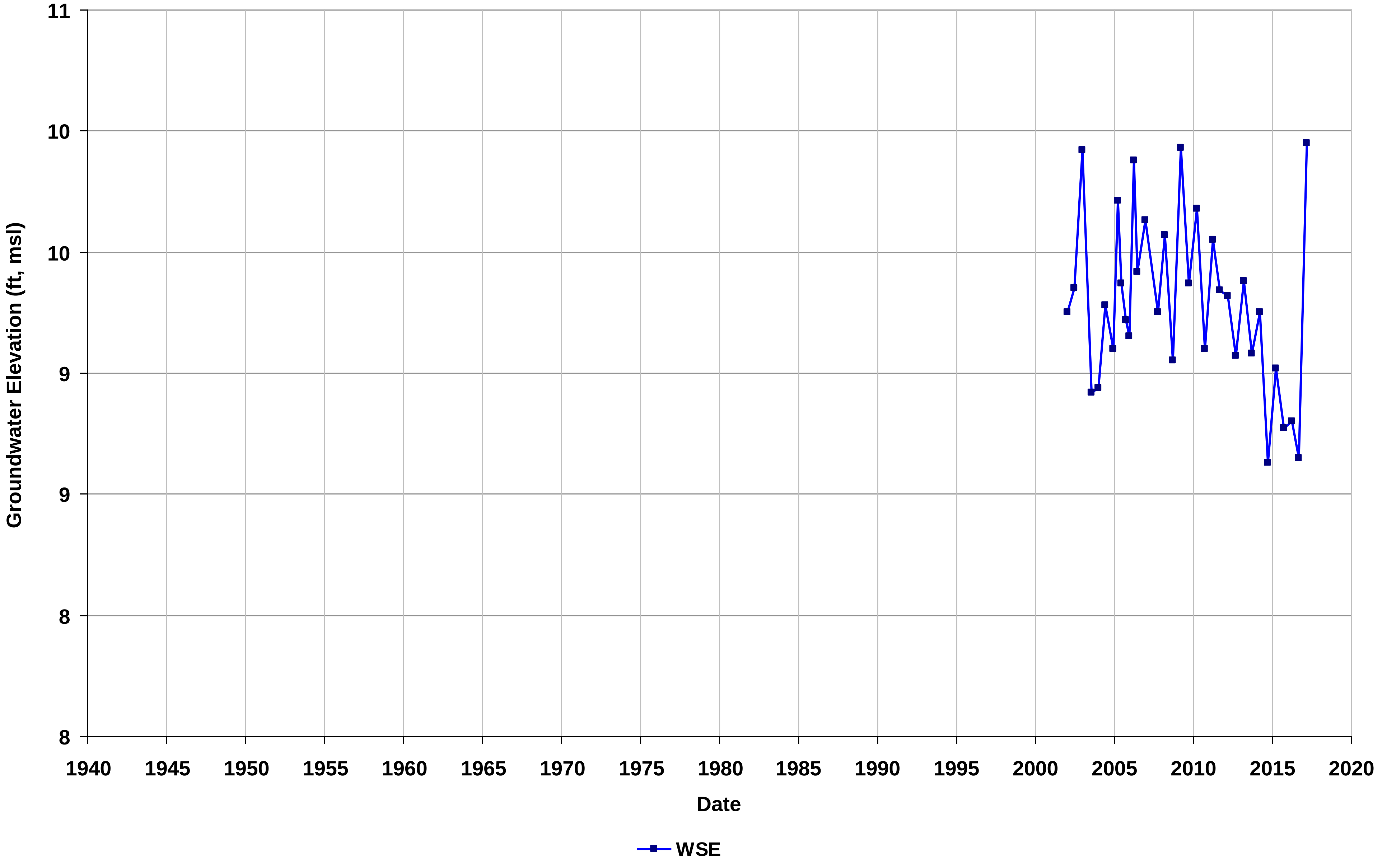
Well Name: T0600101033-MW-11
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



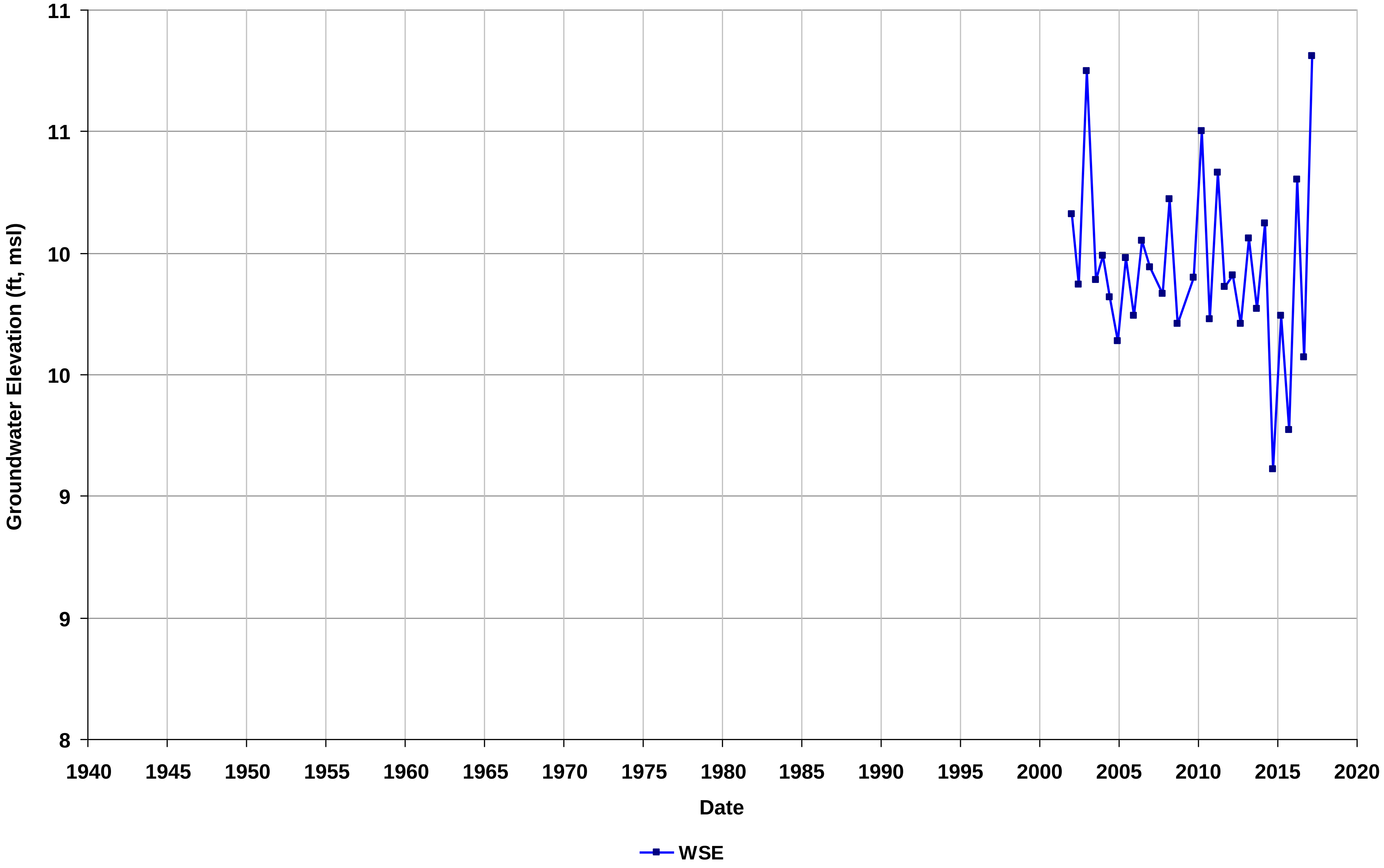
Well Name: T0600101033-MW-12
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



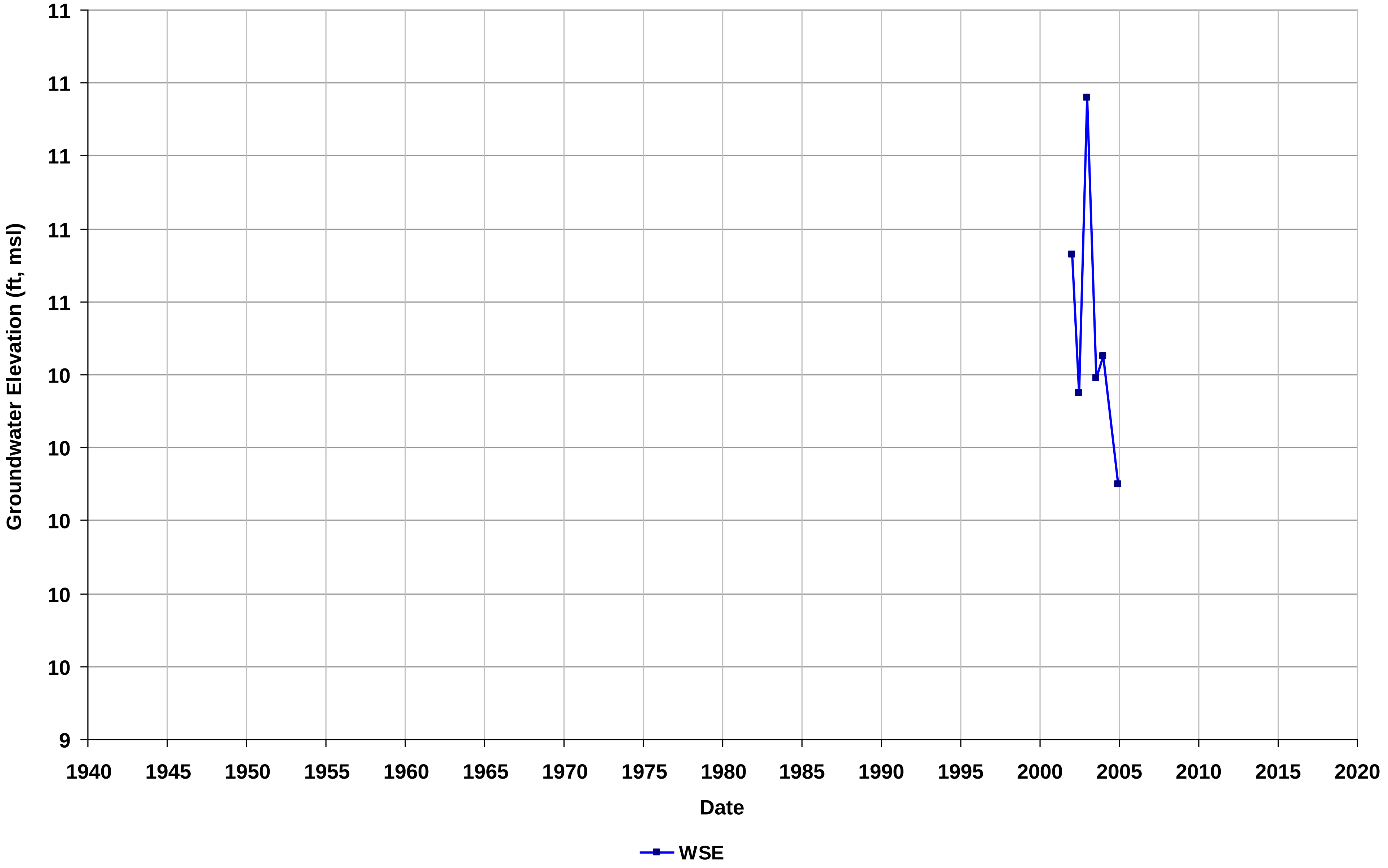
Well Name: T0600101033-MW-13
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



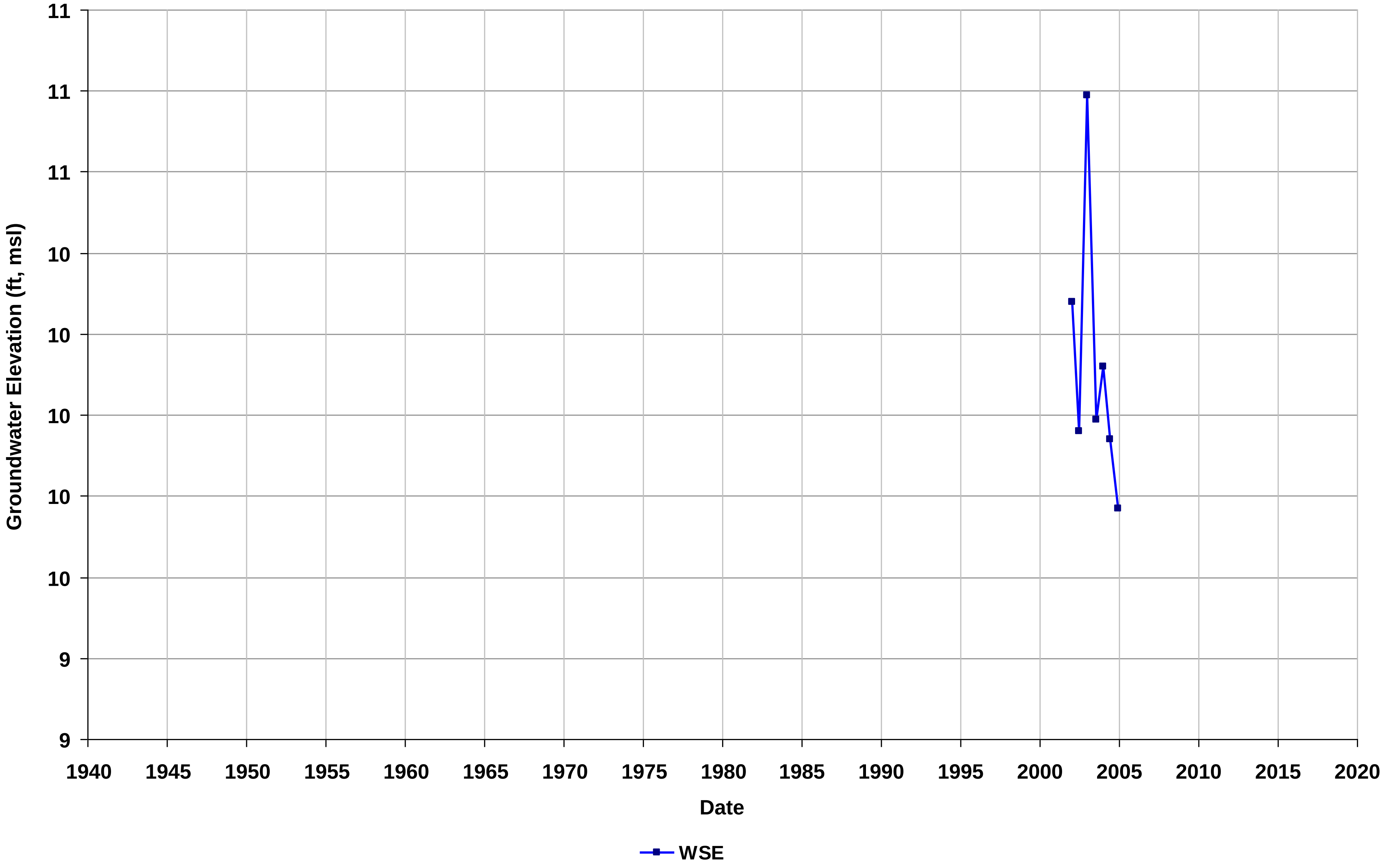
Well Name: T0600101033-MW-14
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



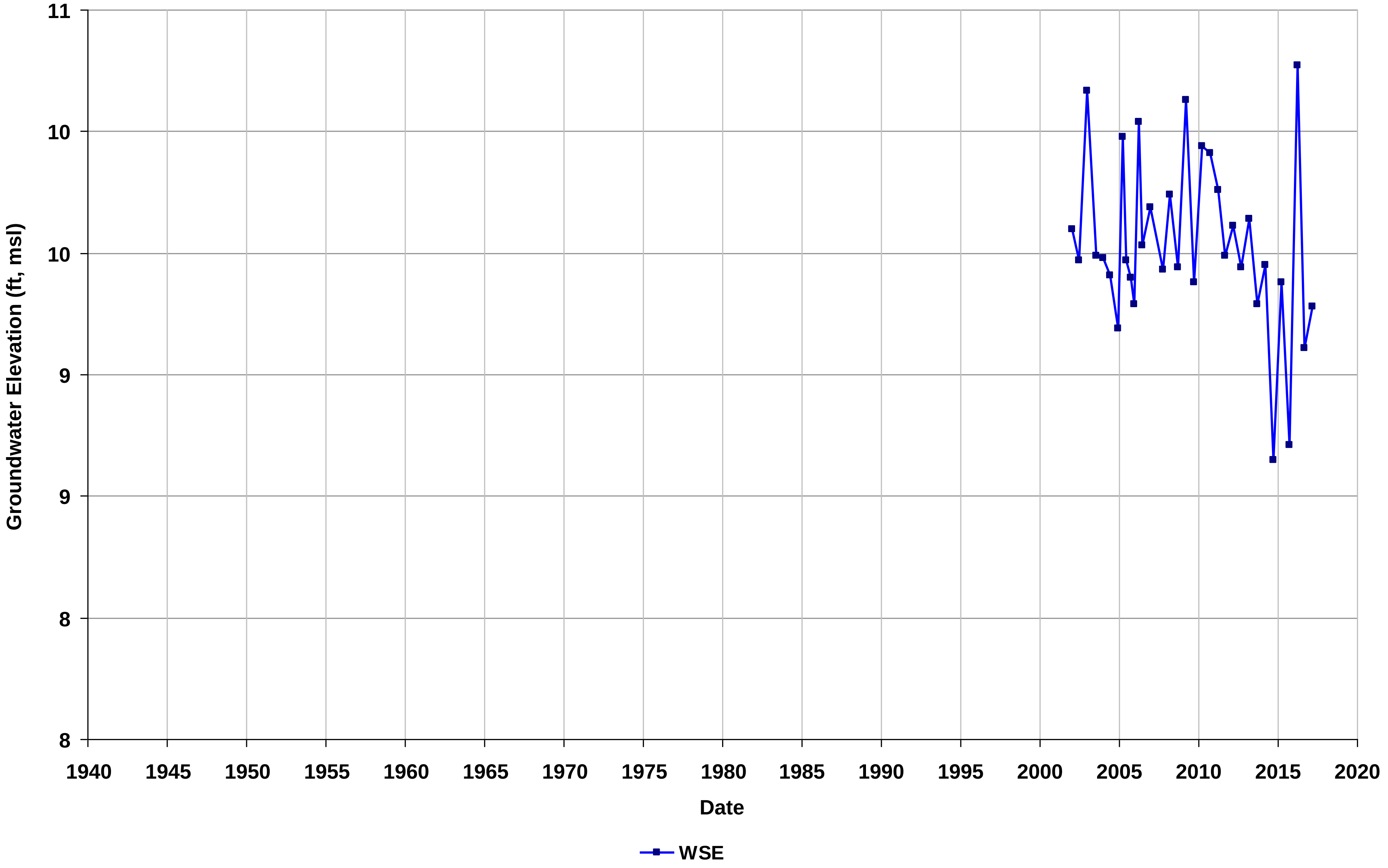
Well Name: T0600101033-MW-18
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



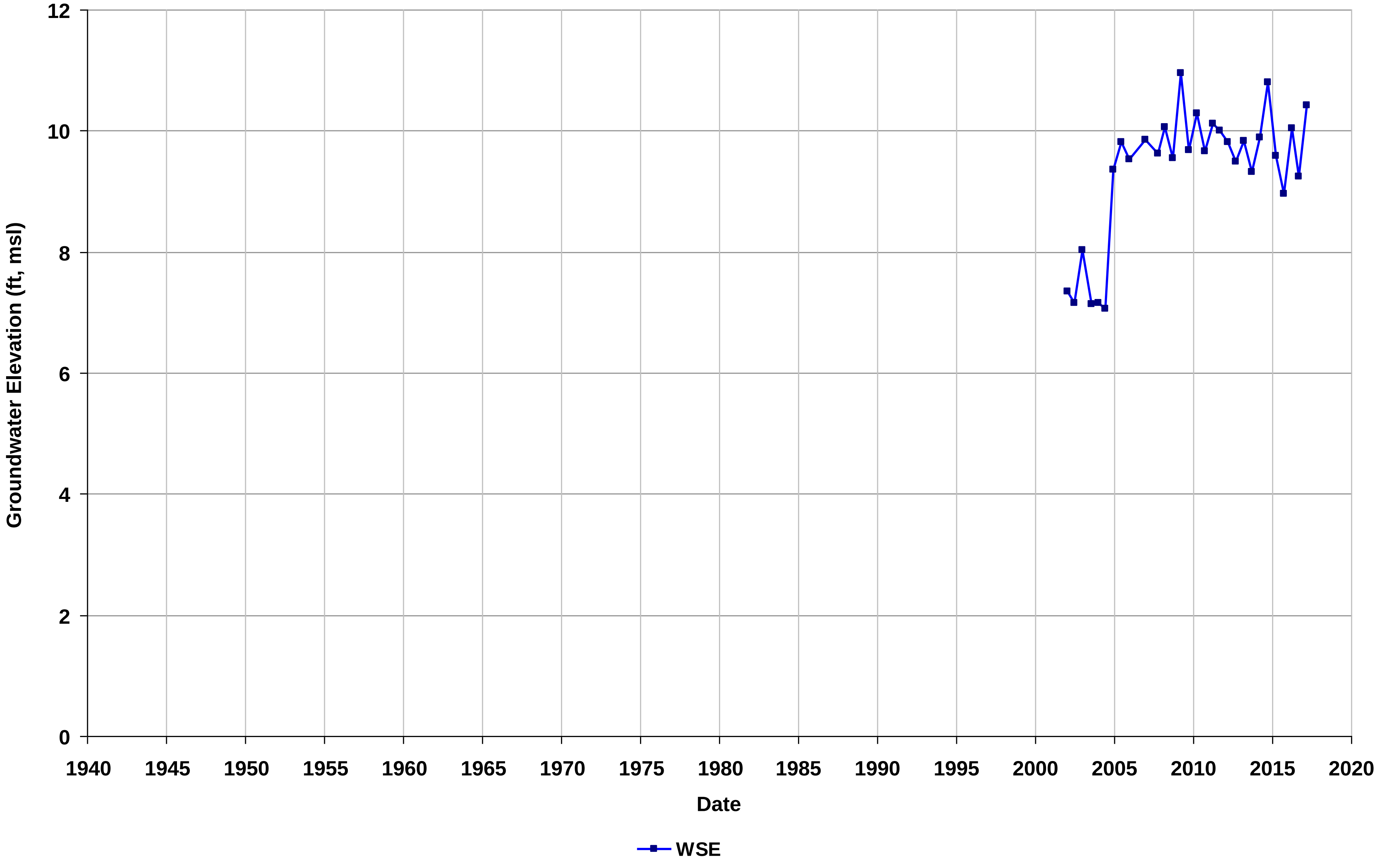
Well Name: T0600101033-MW-19
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



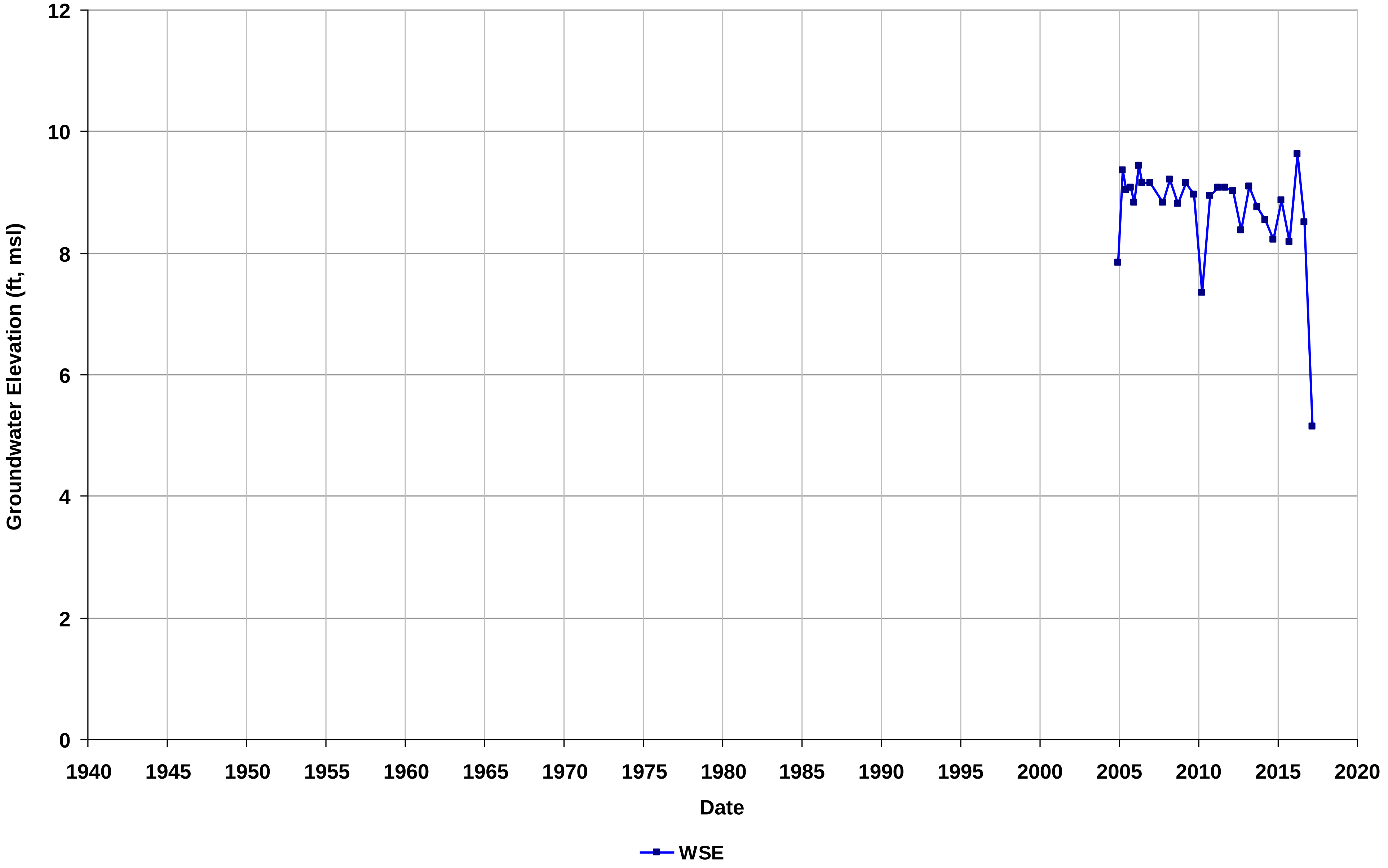
Well Name: T0600101033-MW-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



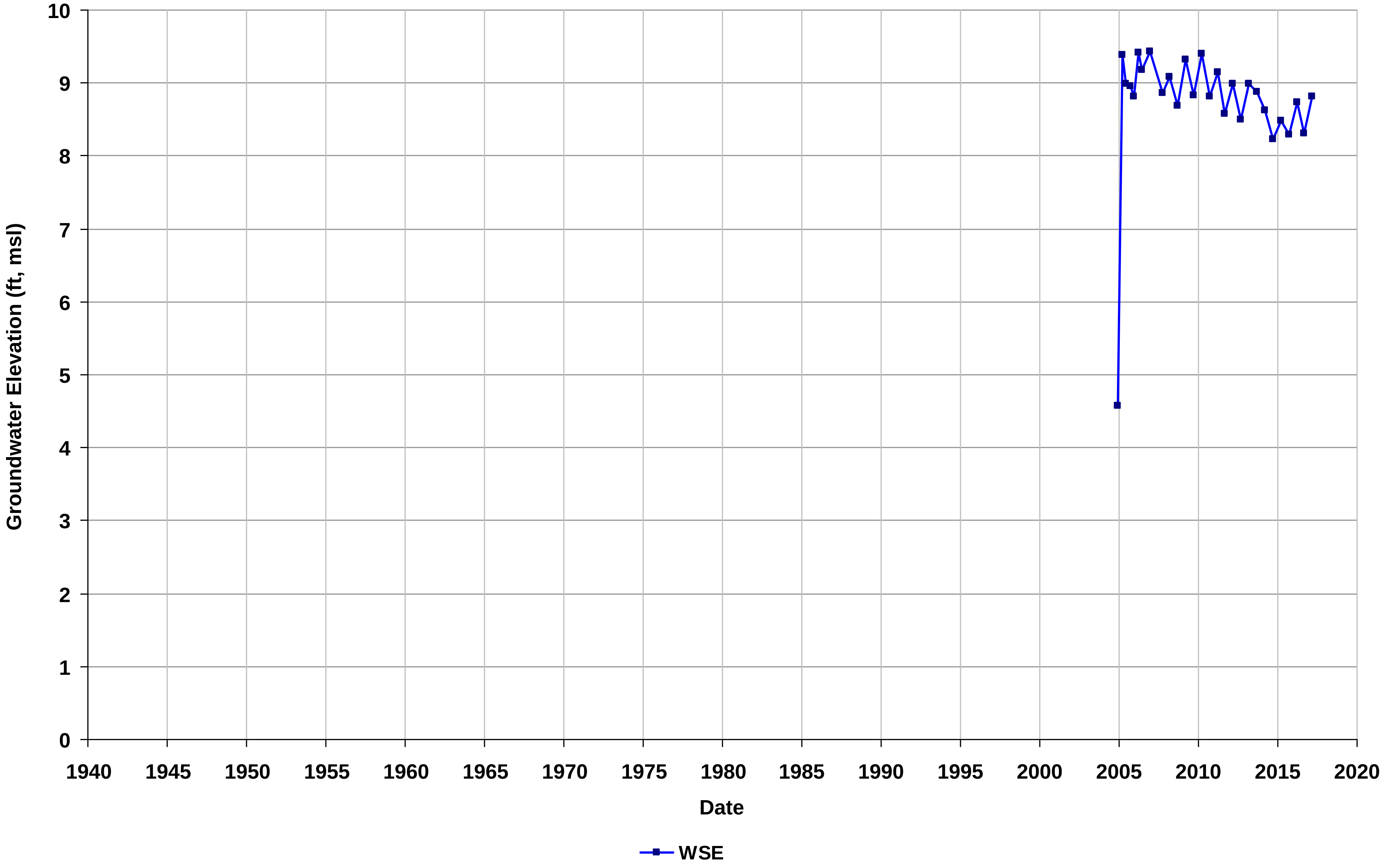
Well Name: T0600101033-MW-20
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



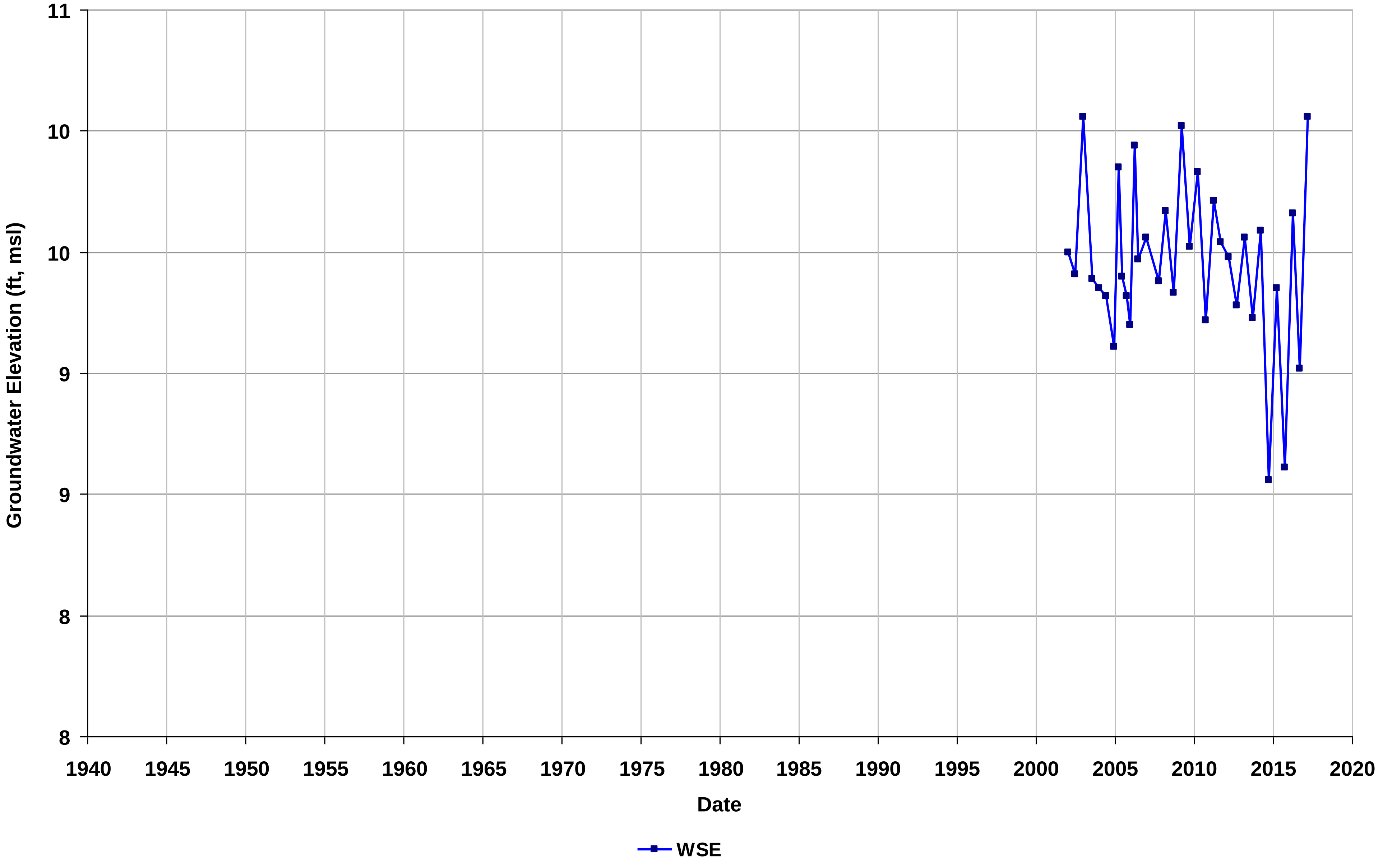
Well Name: T0600101033-MW-21
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



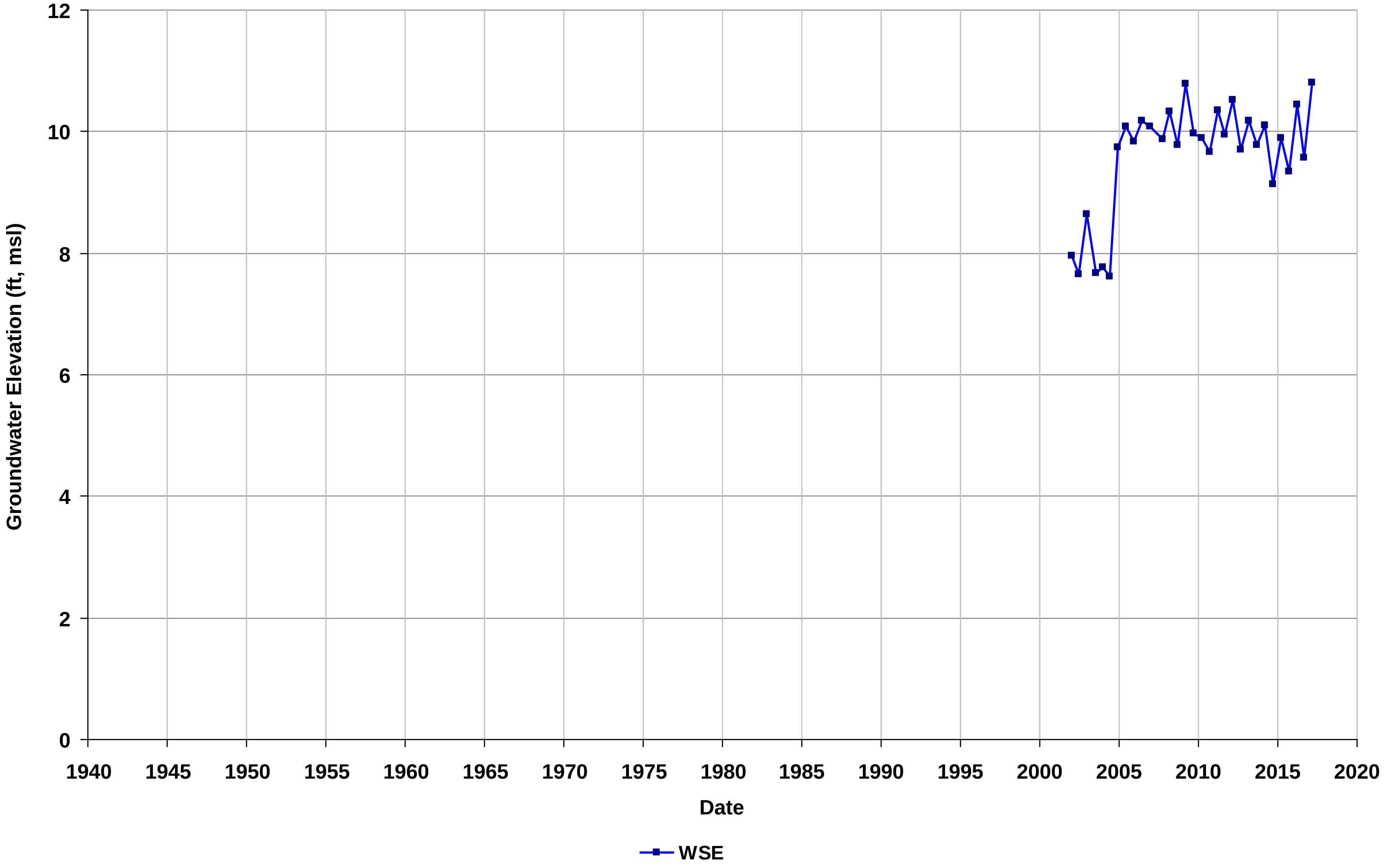
Well Name: T0600101033-MW-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



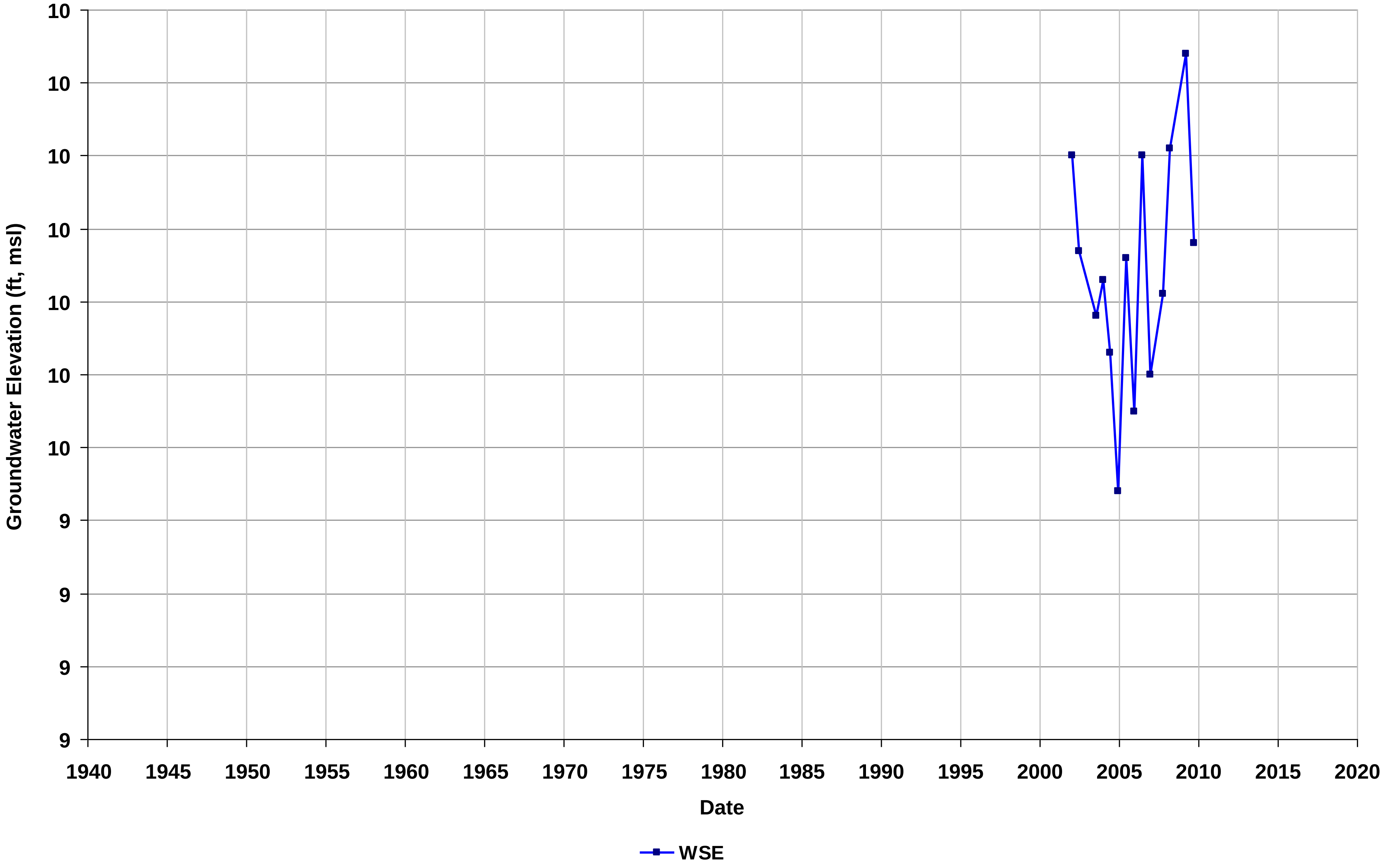
Well Name: T0600101033-MW-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



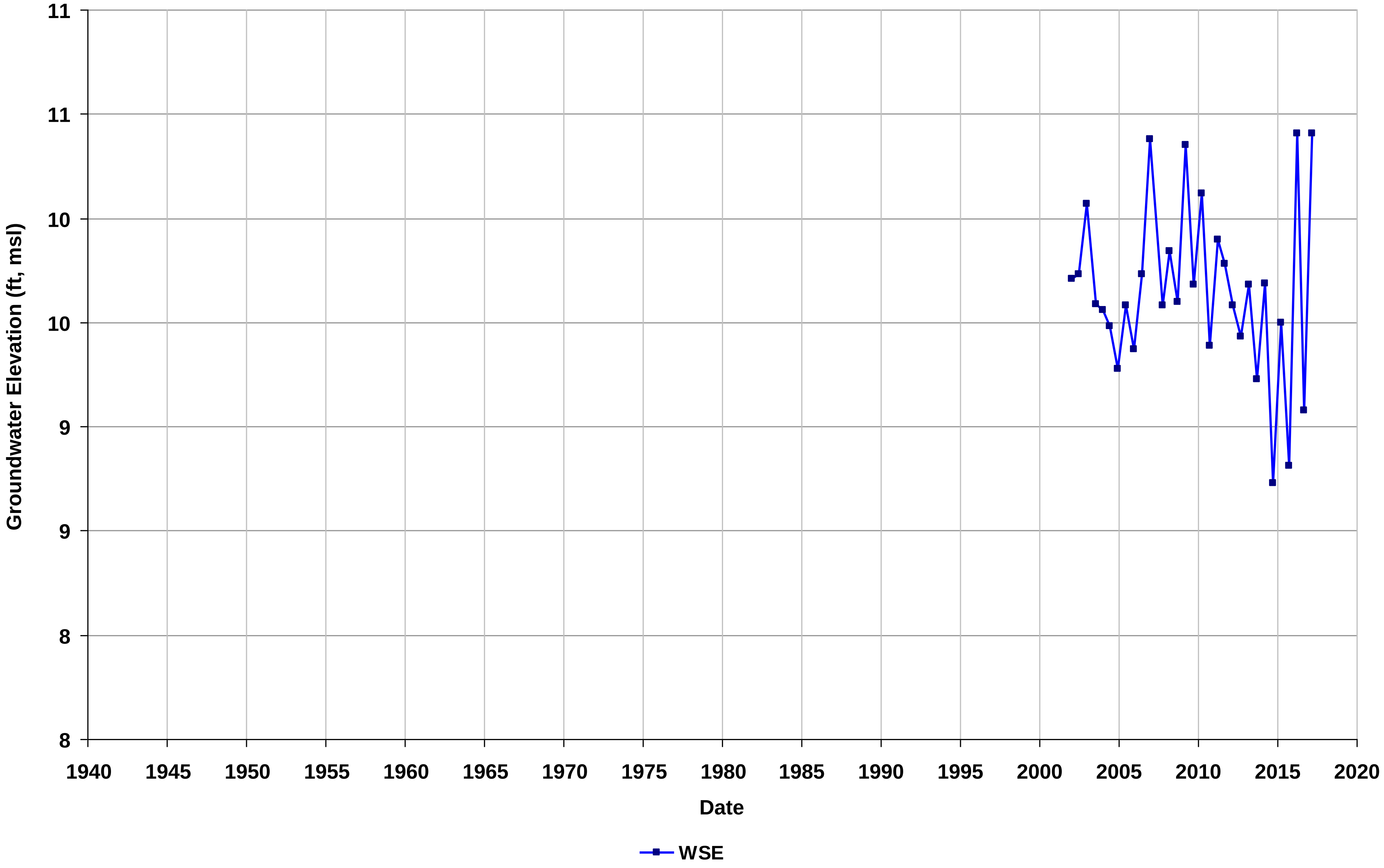
Well Name: T0600101033-MW-7
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



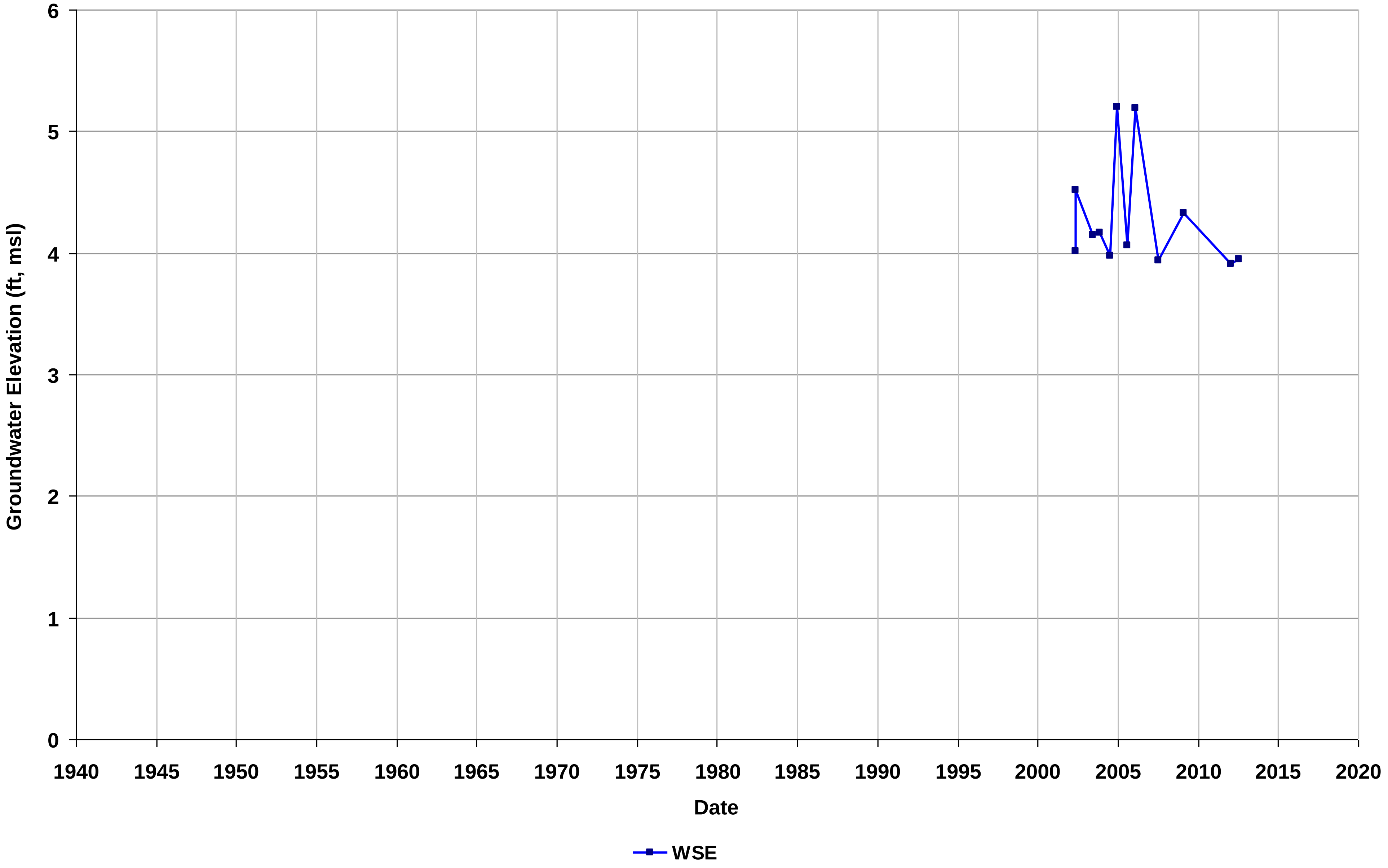
Well Name: T0600101033-MW-8
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



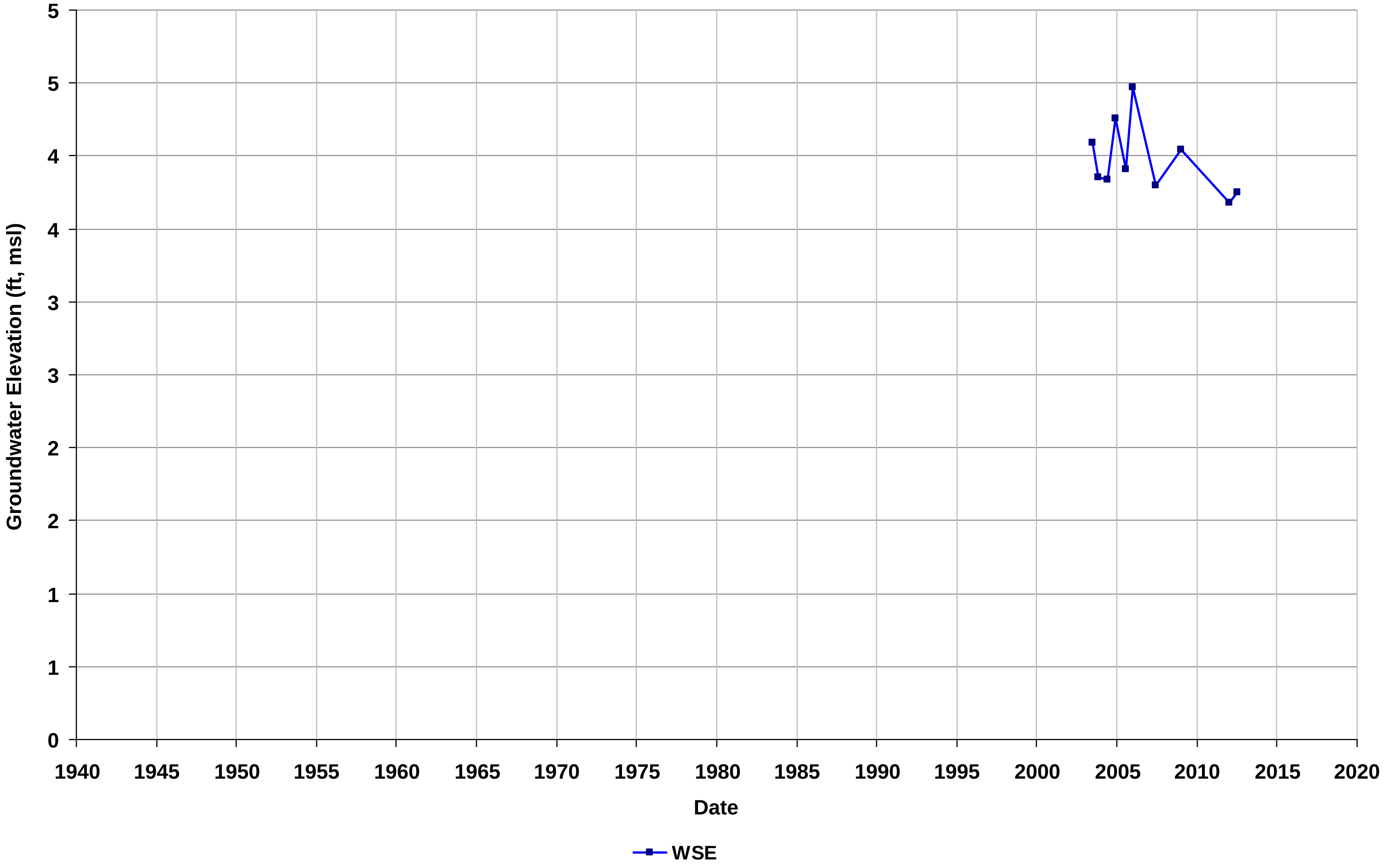
Well Name: T0600101039-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/27
Well Use: Observation



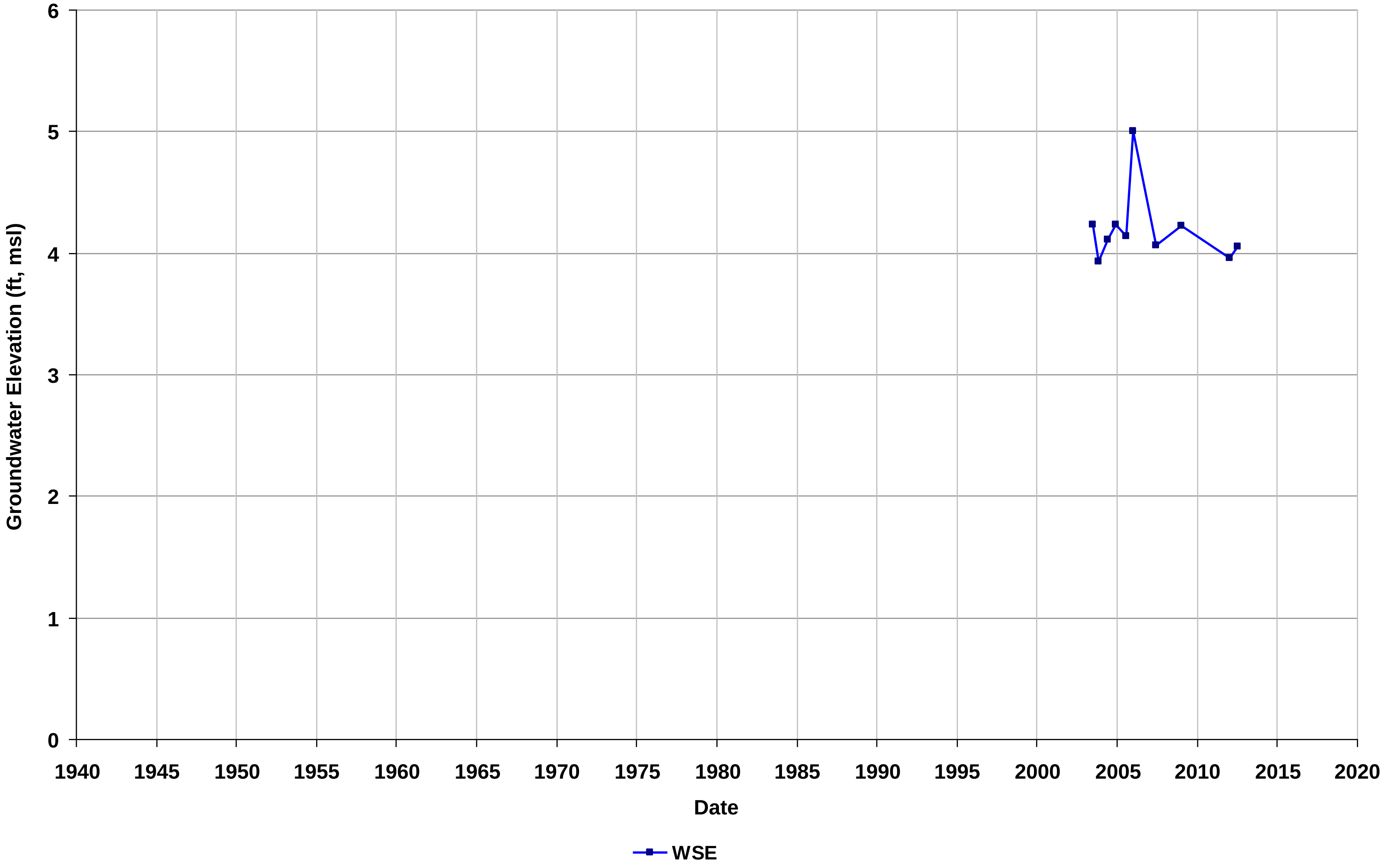
Well Name: T0600101039-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/27
Well Use: Observation



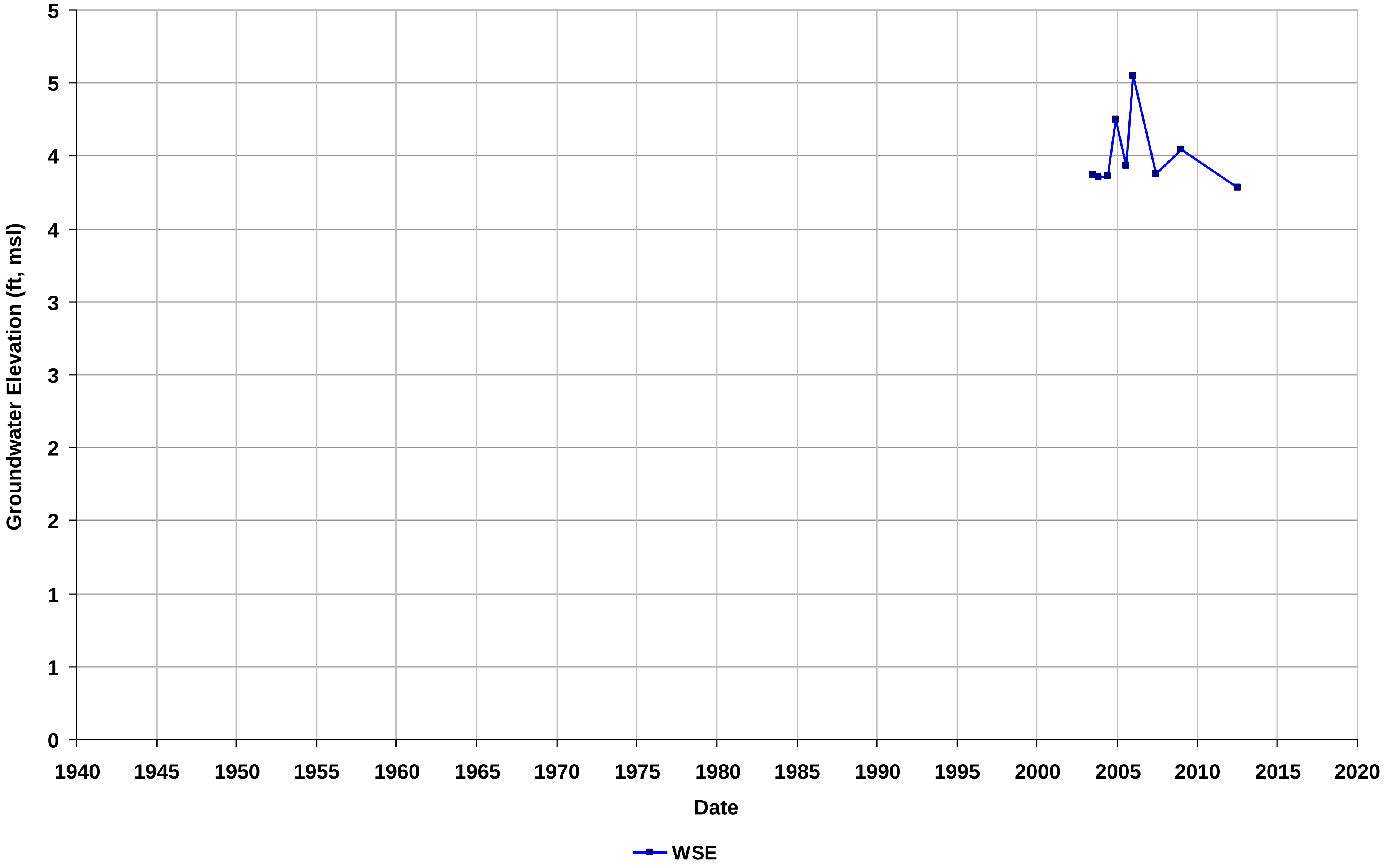
Well Name: T0600101039-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/27
Well Use: Observation



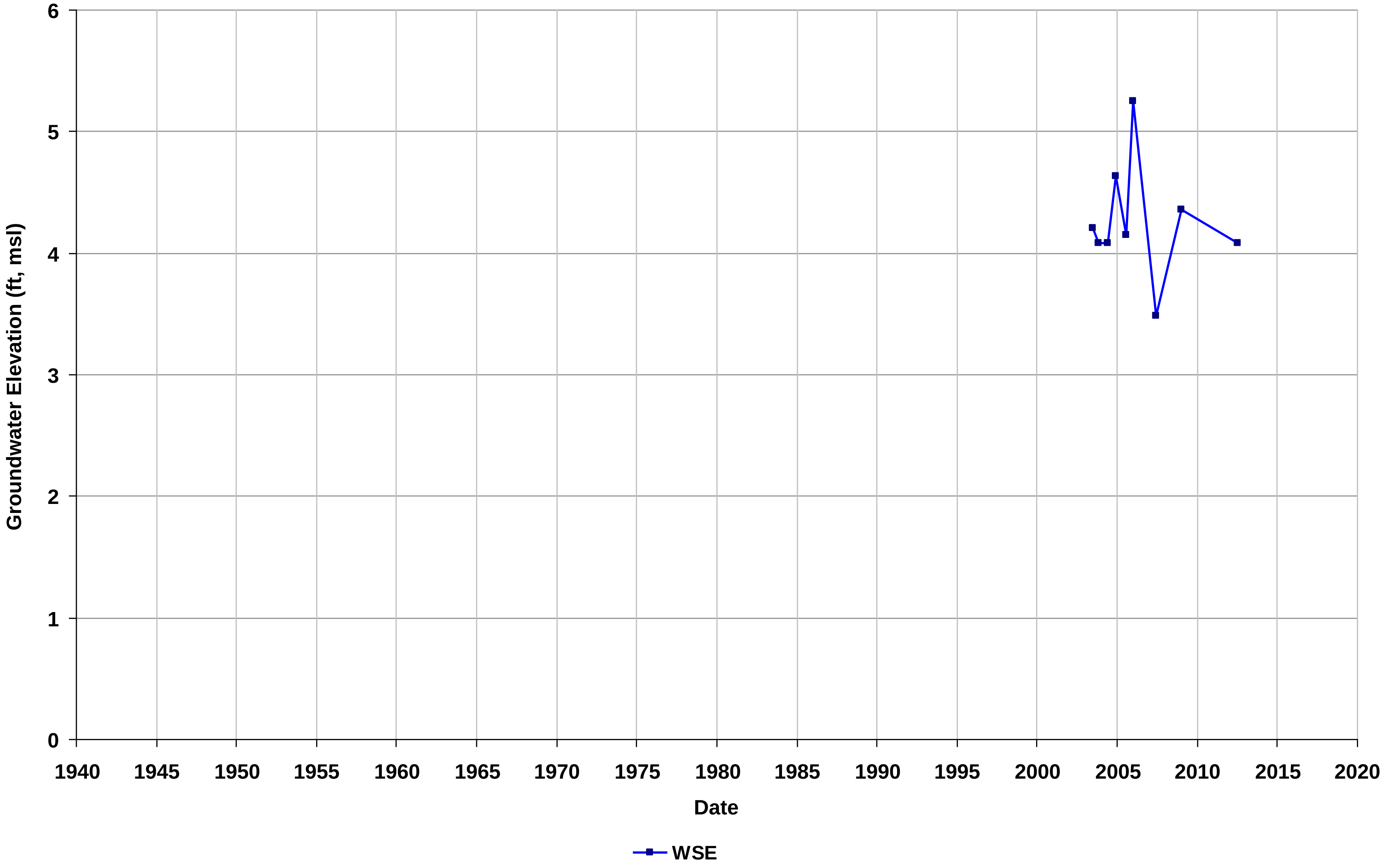
Well Name: T0600101039-VRW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/27
Well Use: Observation



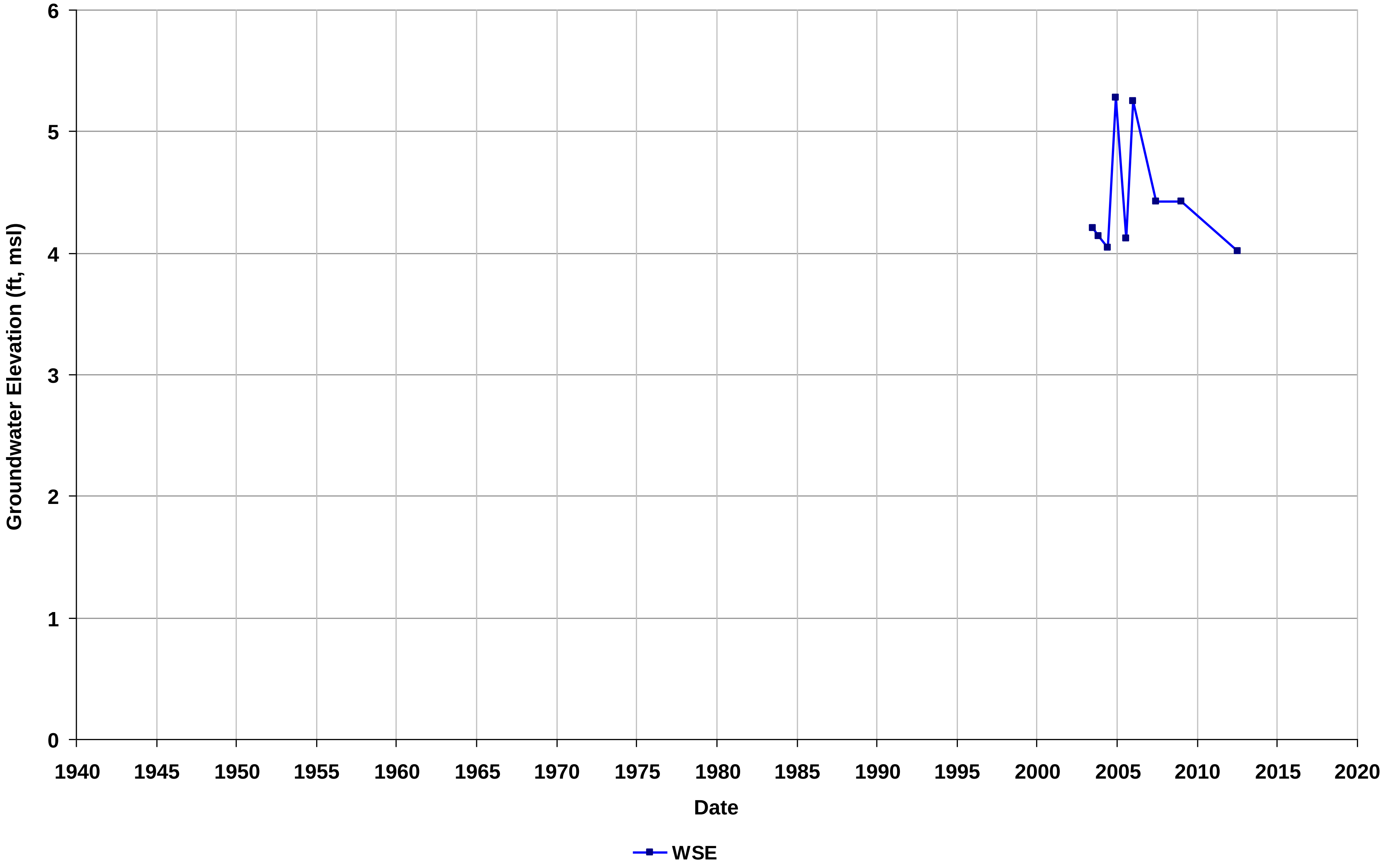
Well Name: T0600101039-VRW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/27
Well Use: Observation



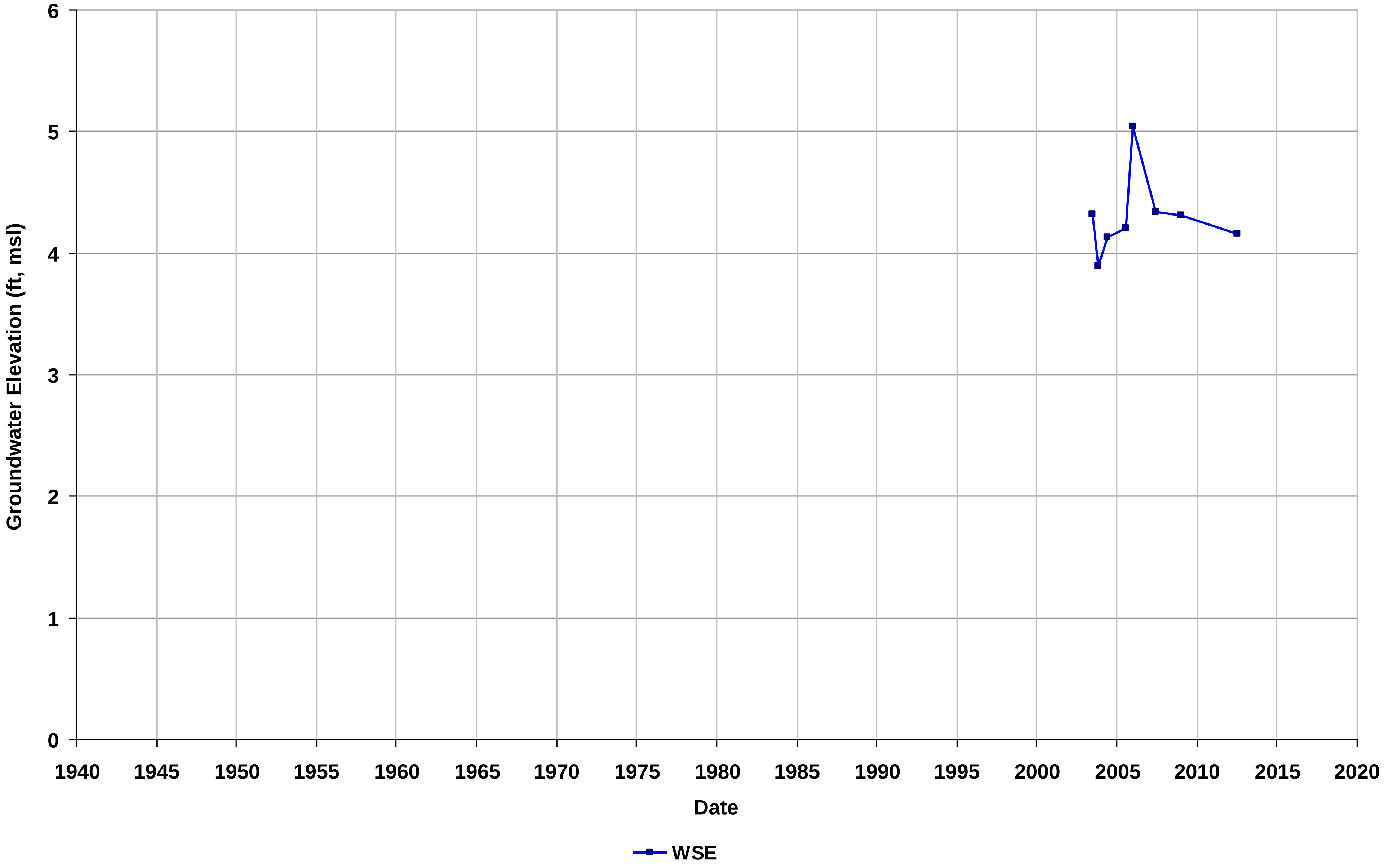
Well Name: T0600101039-VRW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/27
Well Use: Observation



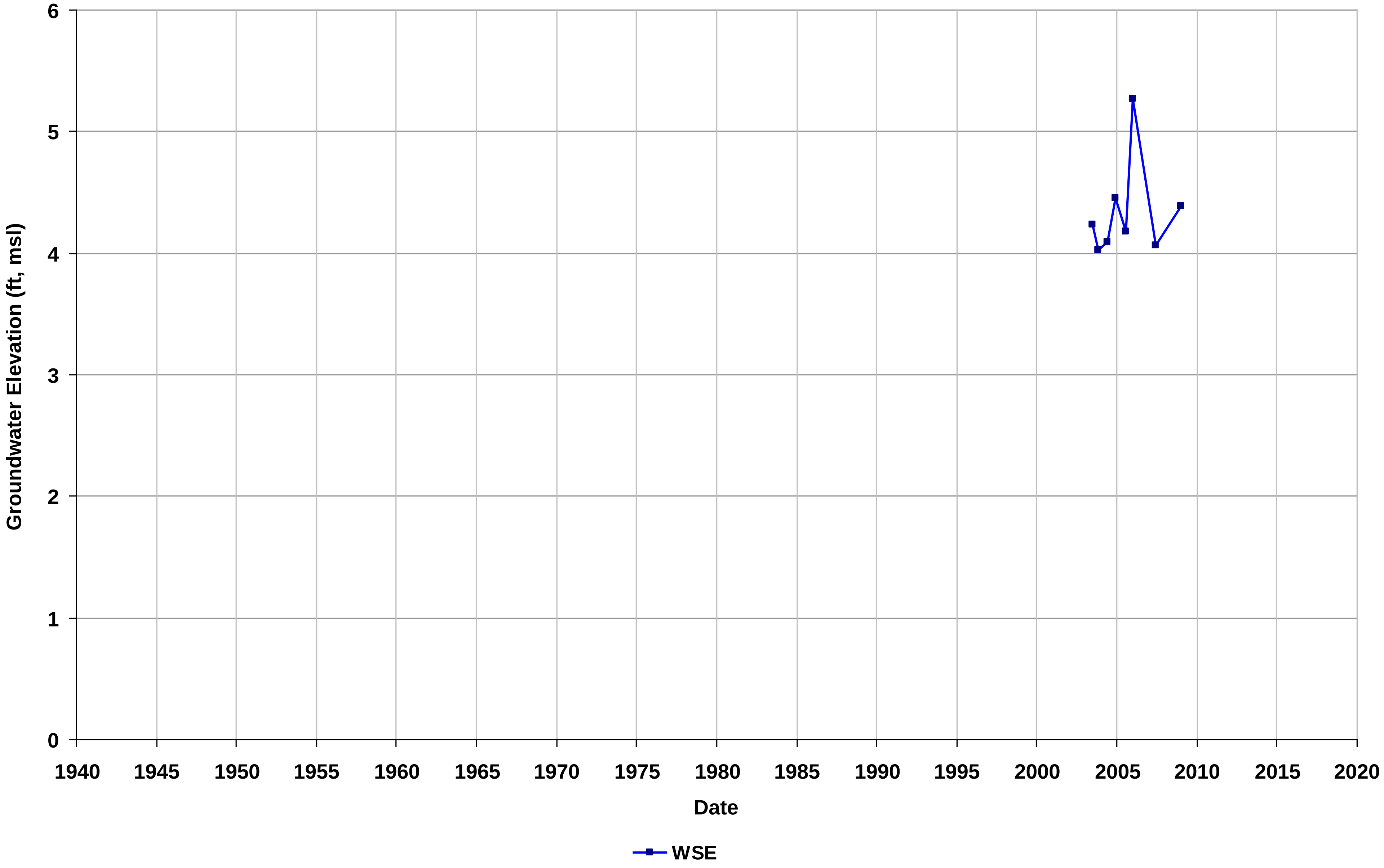
Well Name: T0600101039-VRW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/27
Well Use: Observation



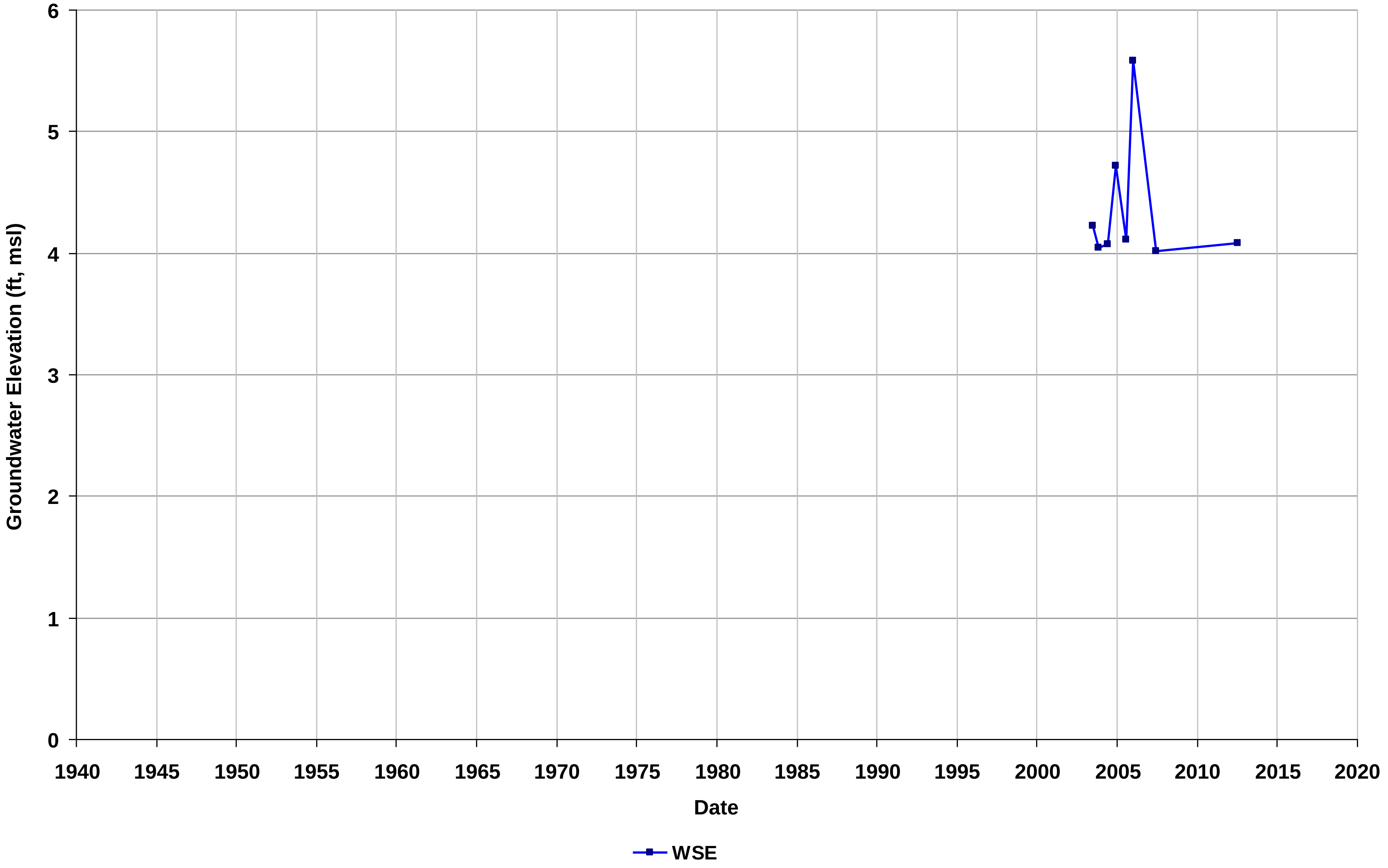
Well Name: T0600101039-VRW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/27
Well Use: Observation



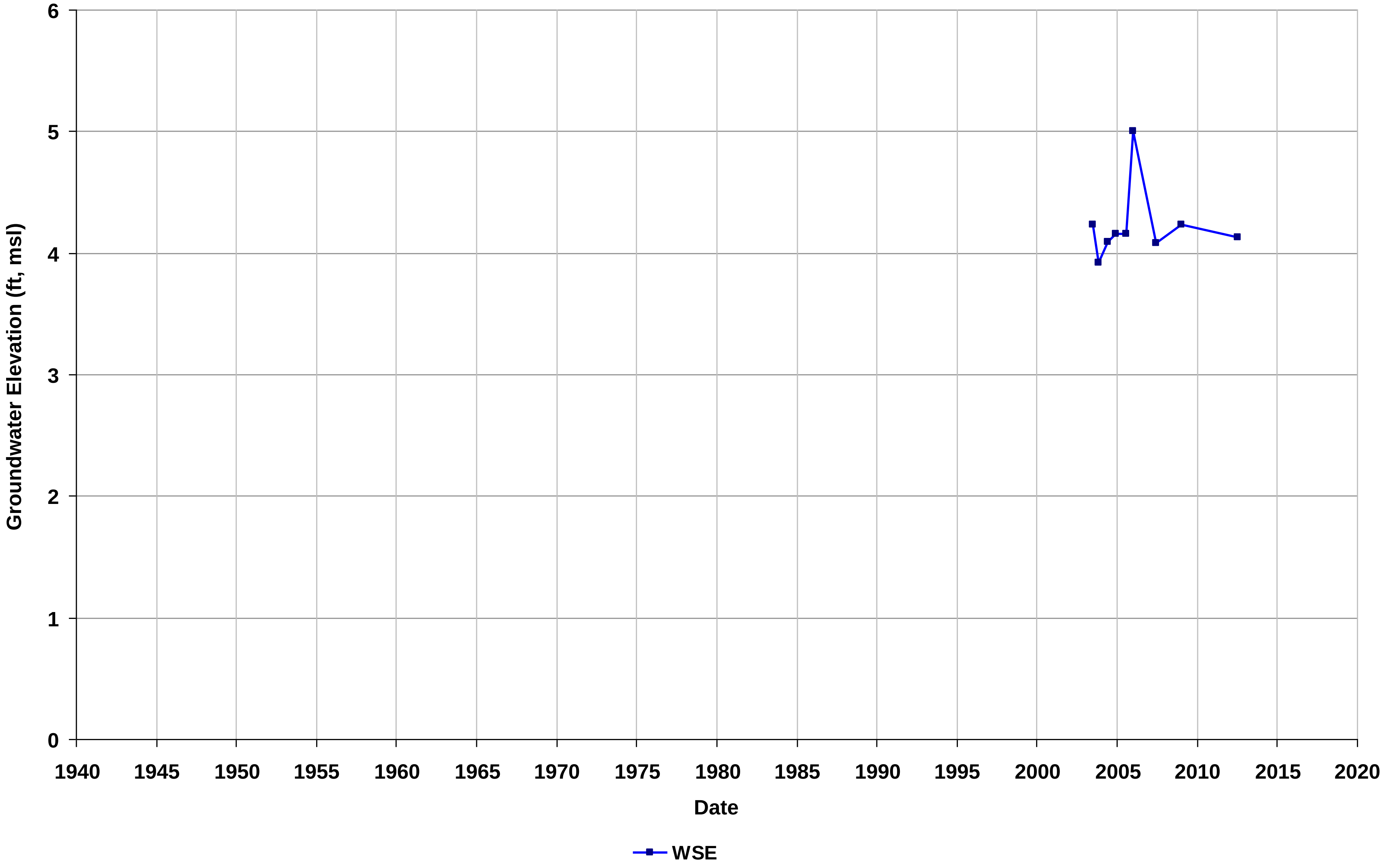
Well Name: T0600101039-VRW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/27
Well Use: Observation



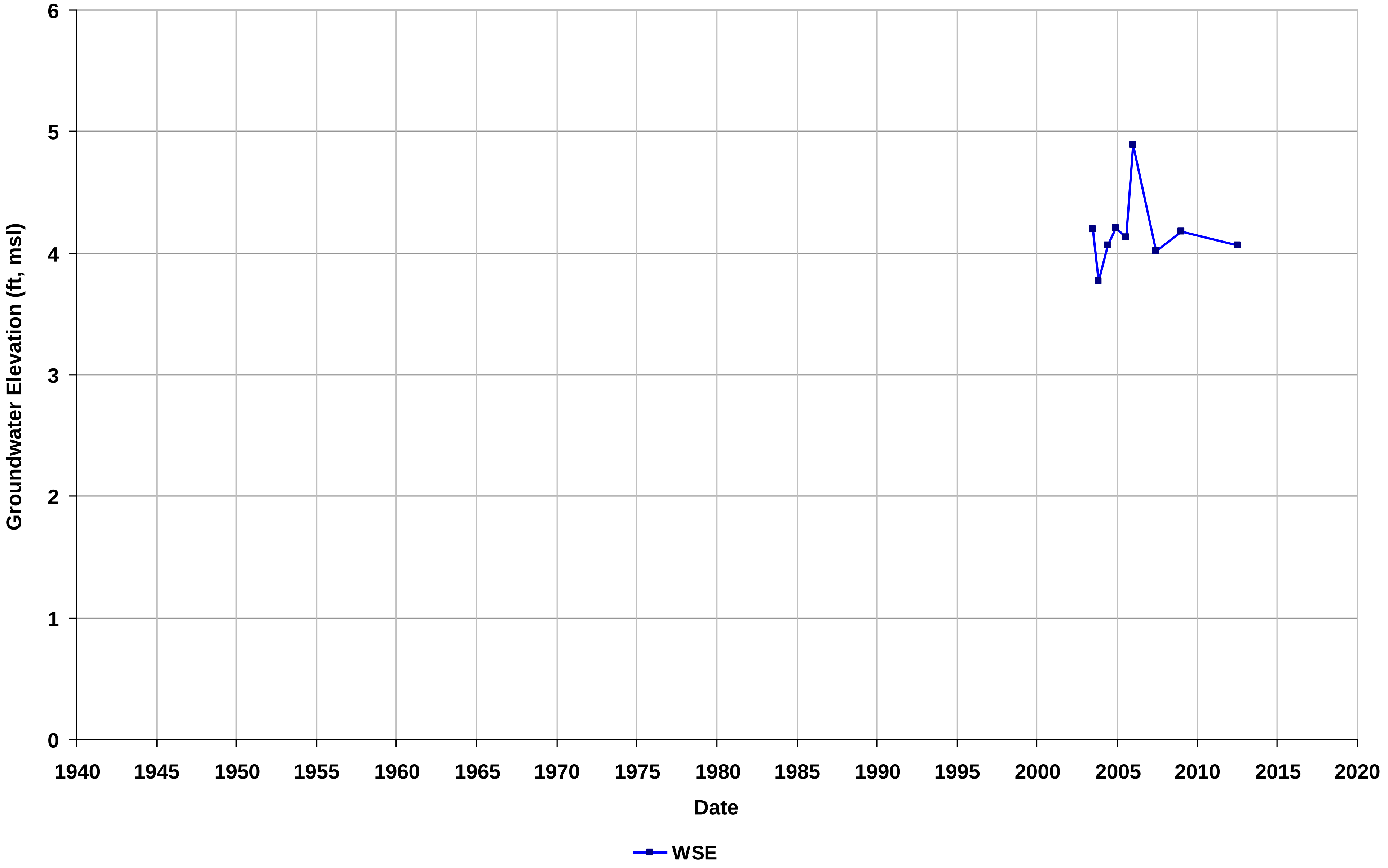
Well Name: T0600101039-VRW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/27
Well Use: Observation



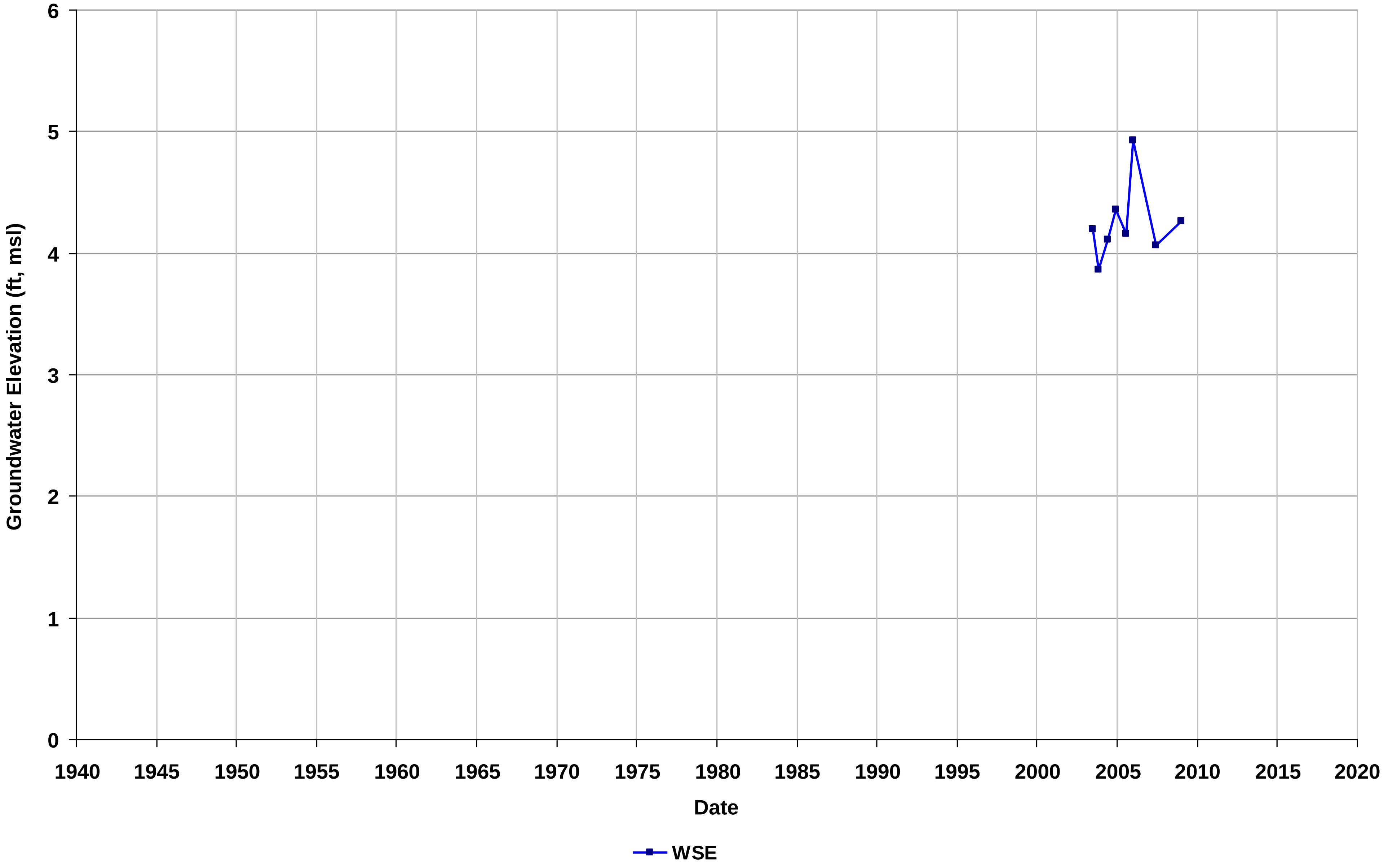
Well Name: T0600101039-VRW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/27
Well Use: Observation



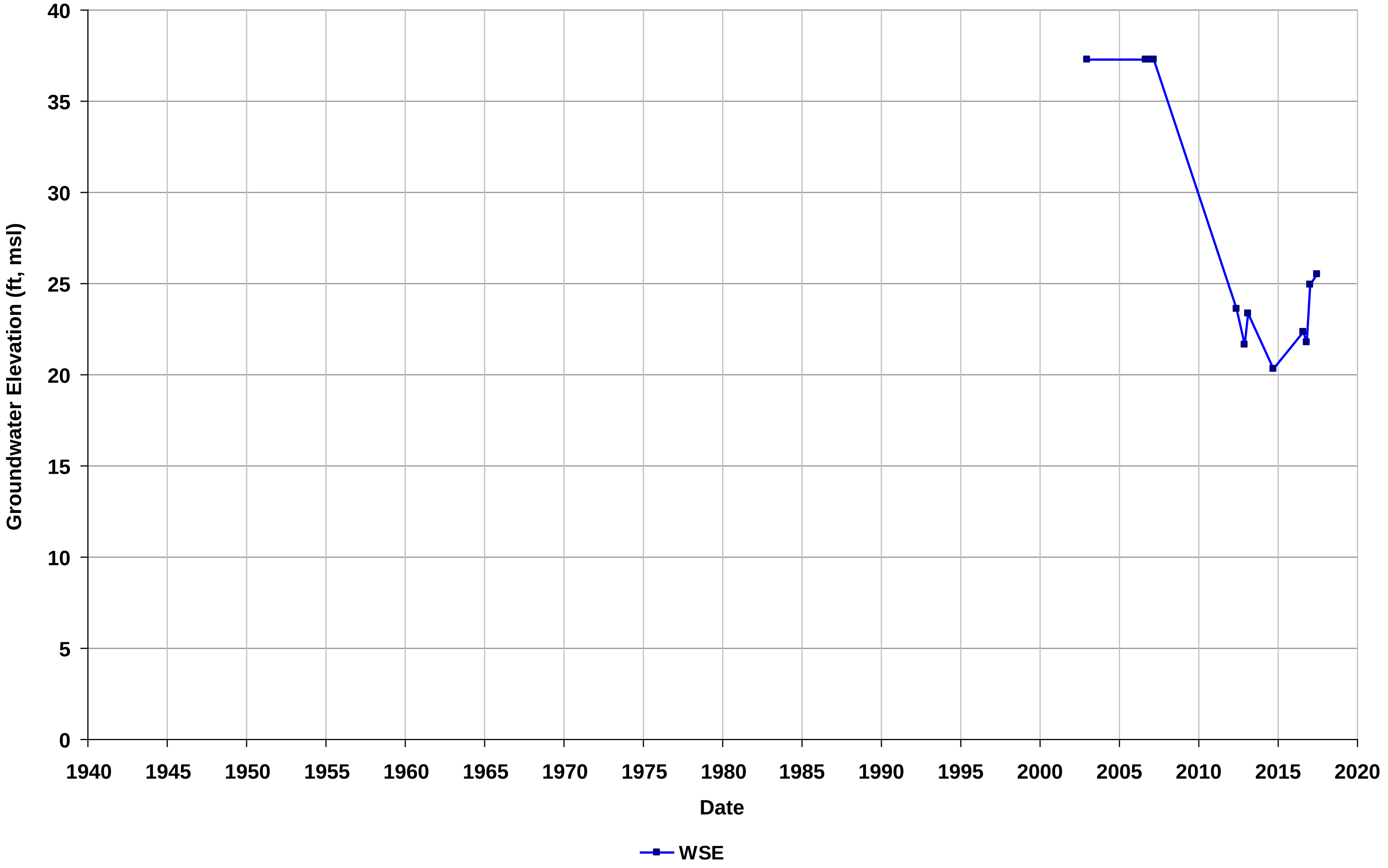
Well Name: T0600101039-VRW-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/27
Well Use: Observation



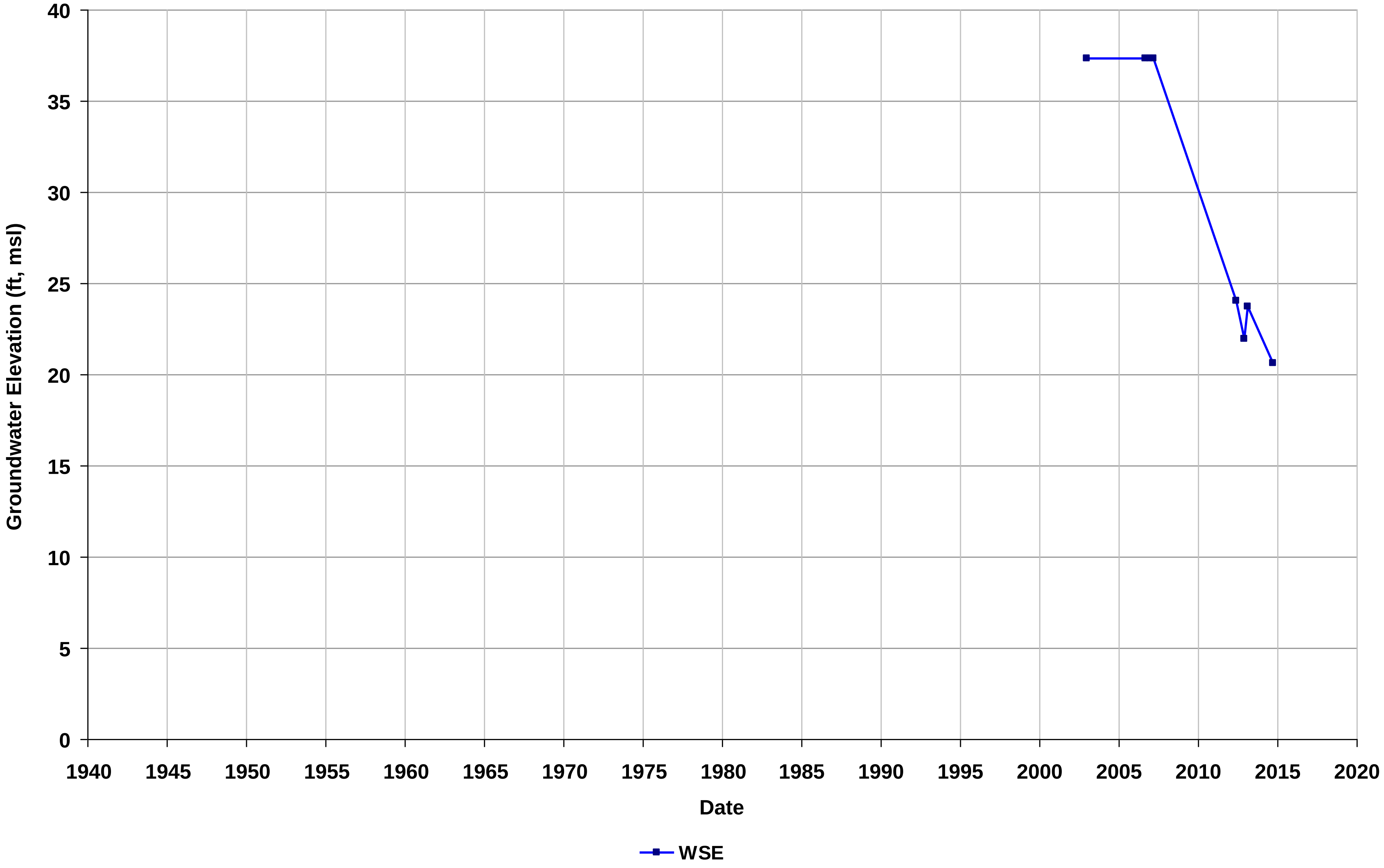
Well Name: T0600101043-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/01
Well Use: Observation



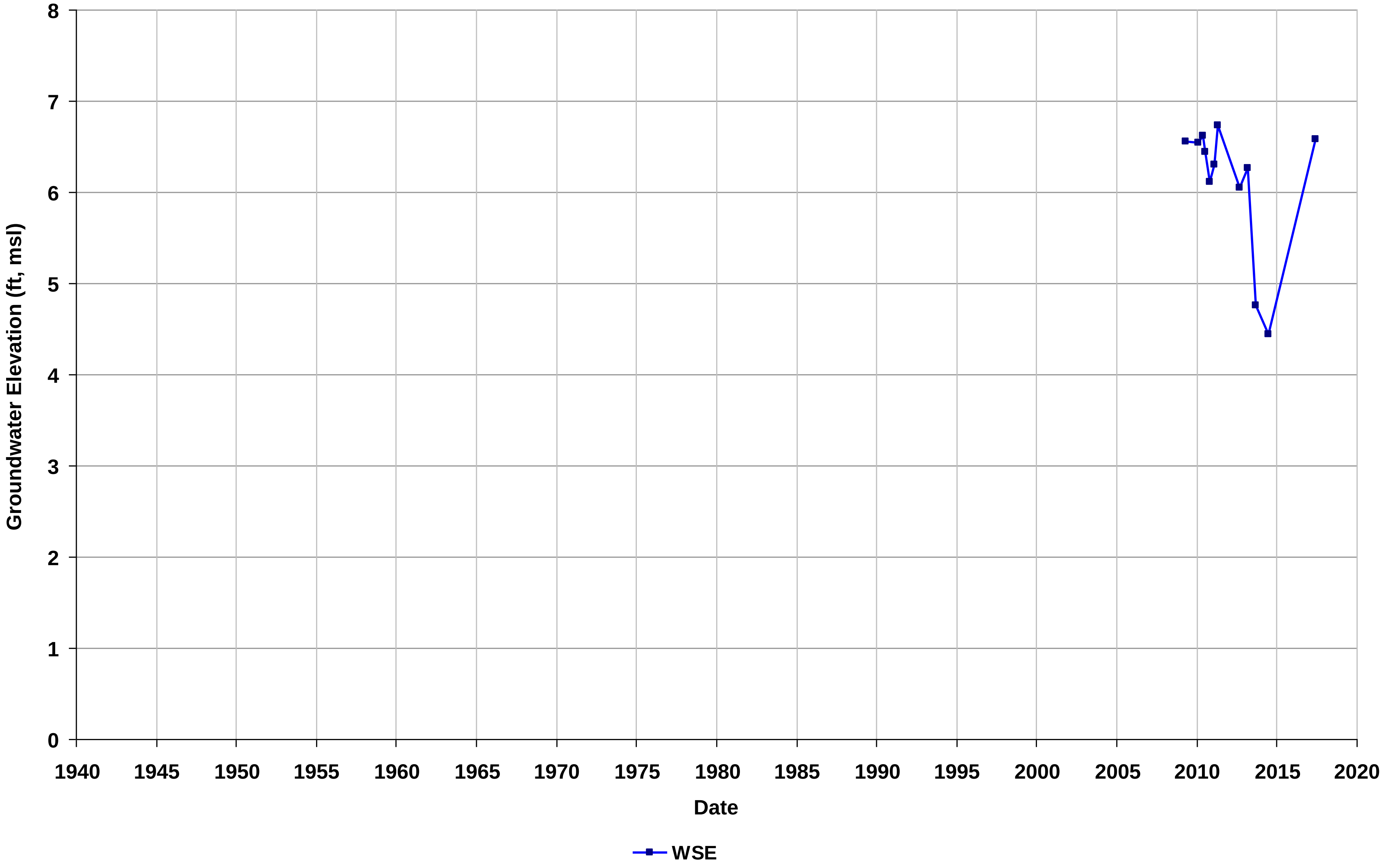
Well Name: T0600101043-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/01
Well Use: Observation



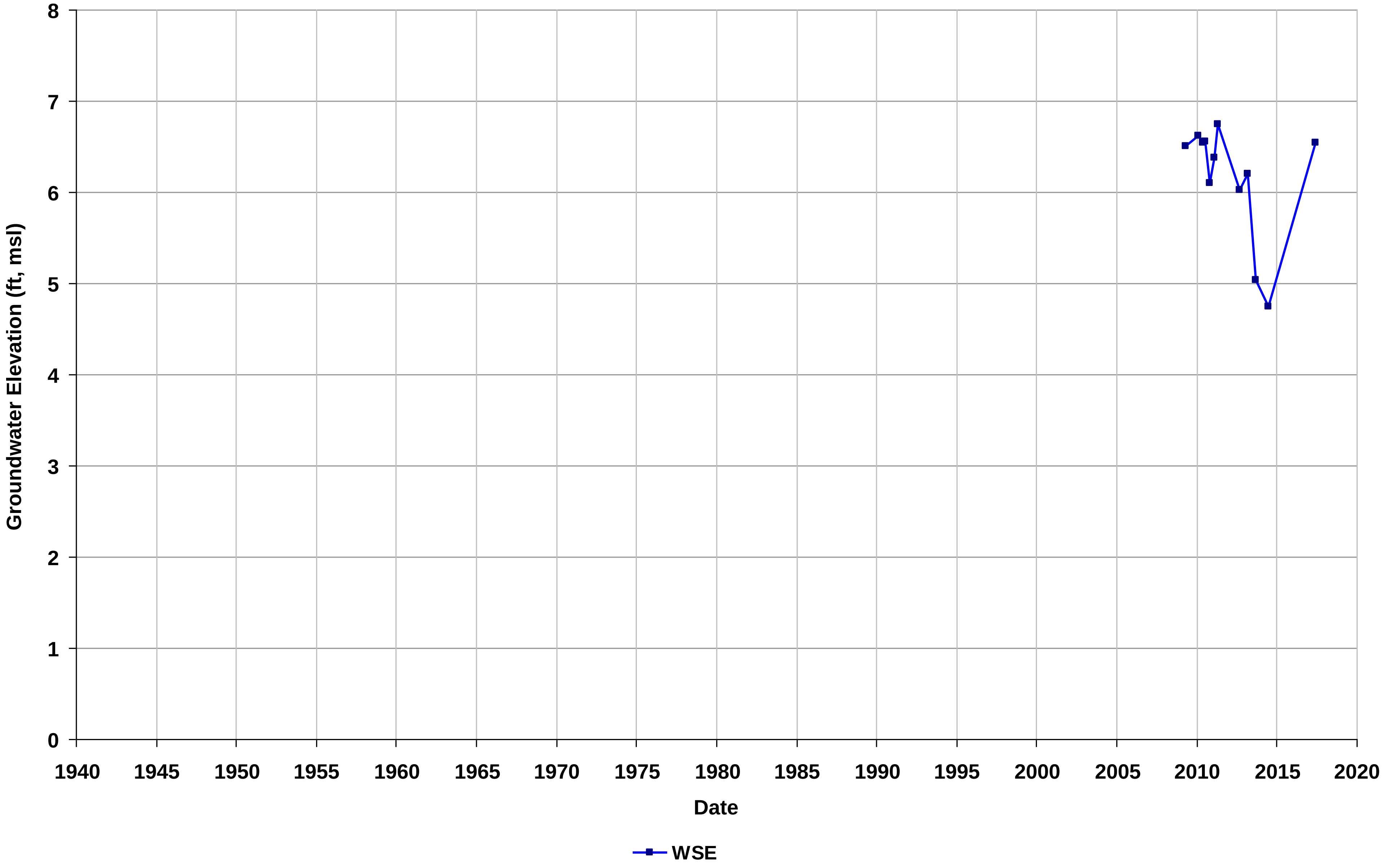
Well Name: T0600101062-OW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/17
Well Use: Observation



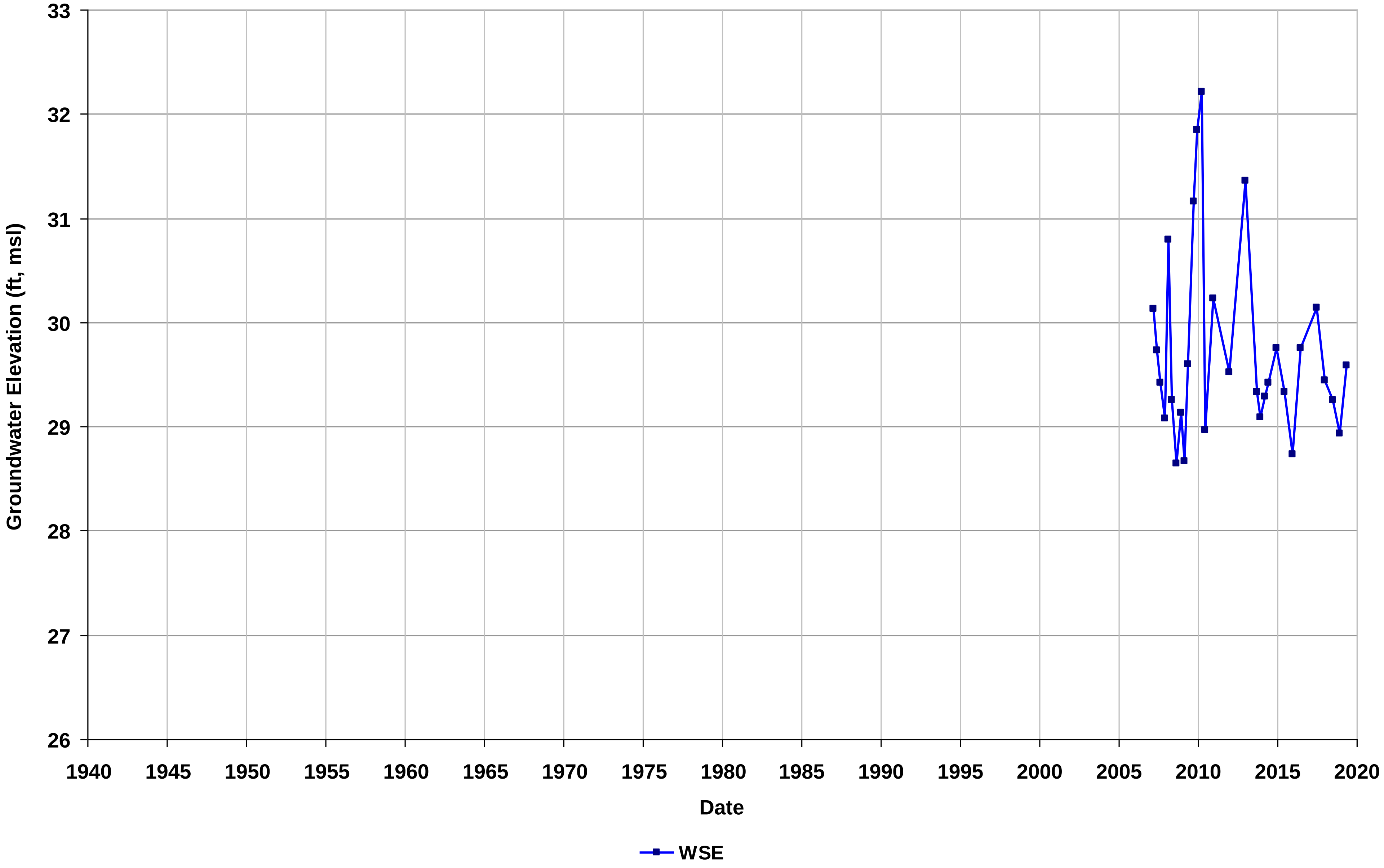
Well Name: T0600101062-OW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/17
Well Use: Observation



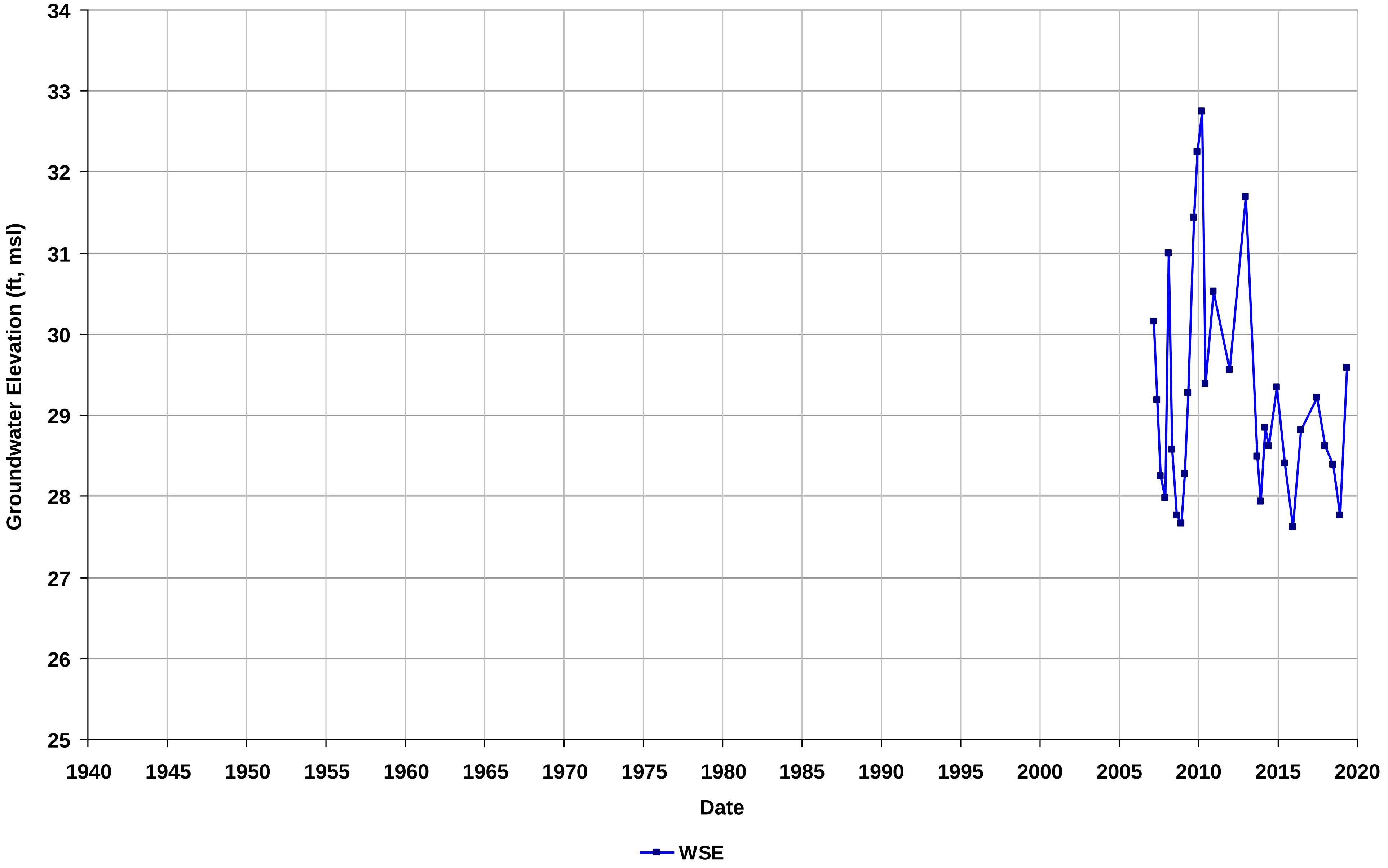
Well Name: T0600101065-S-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



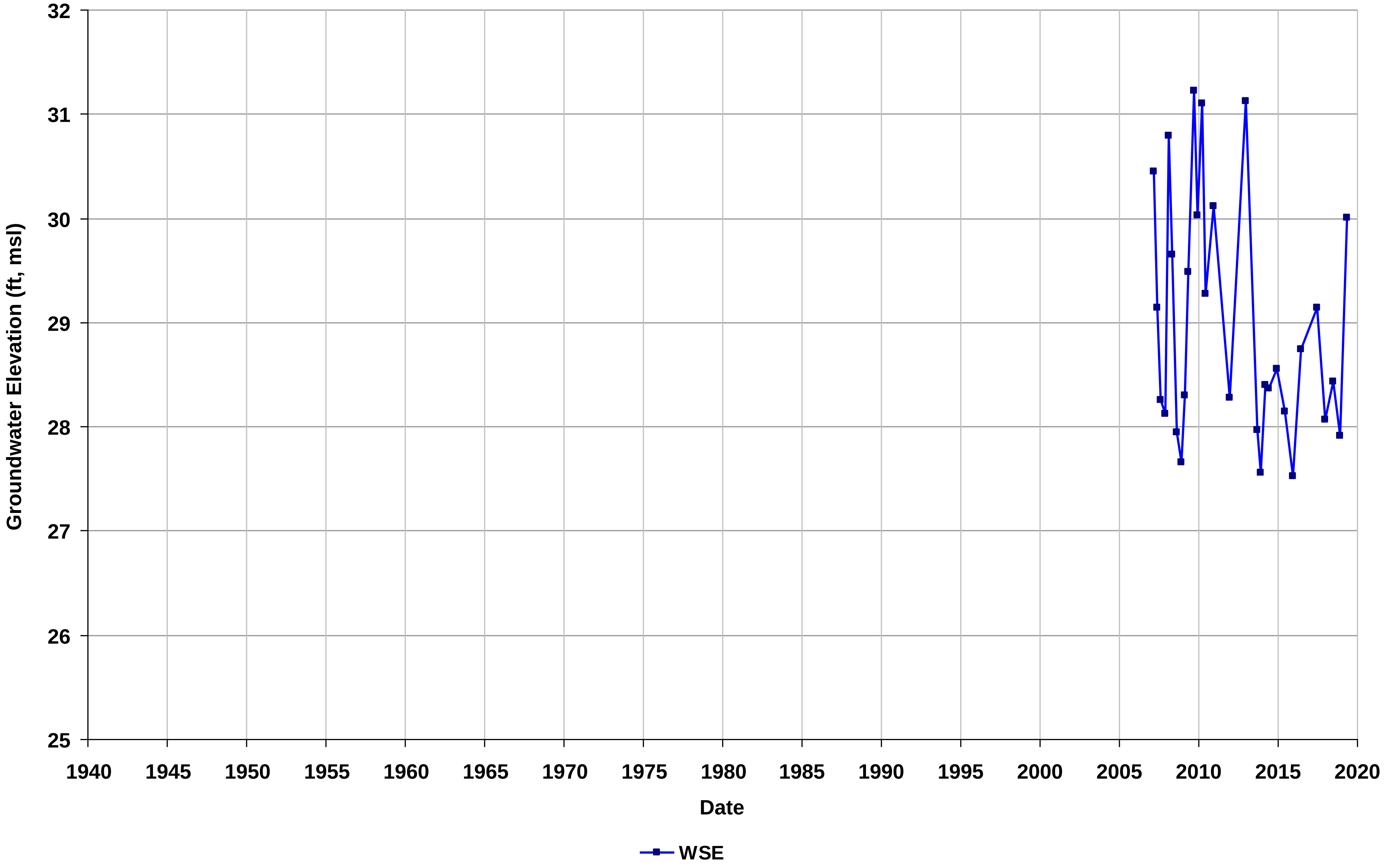
Well Name: T0600101065-S-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



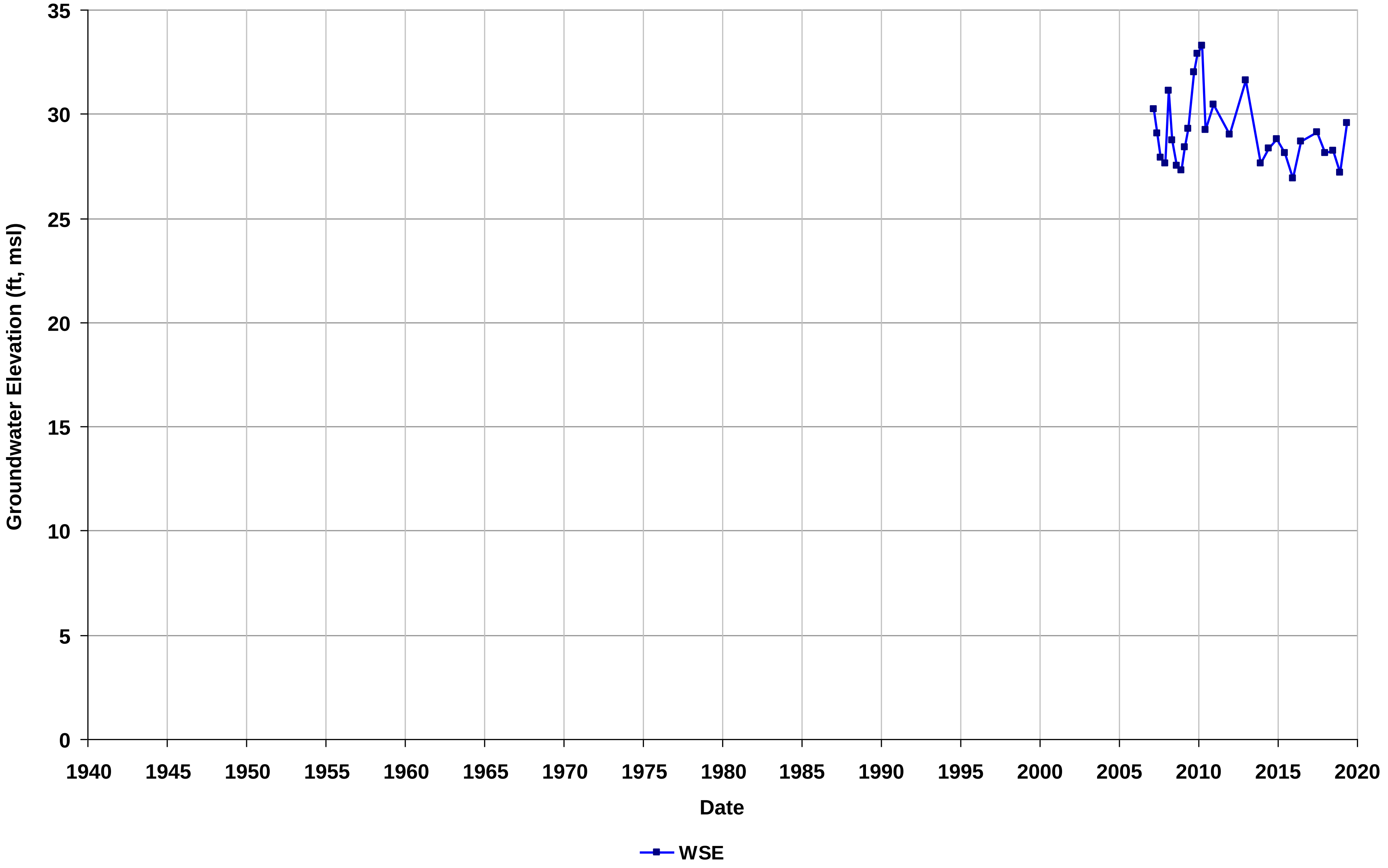
Well Name: T0600101065-S-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



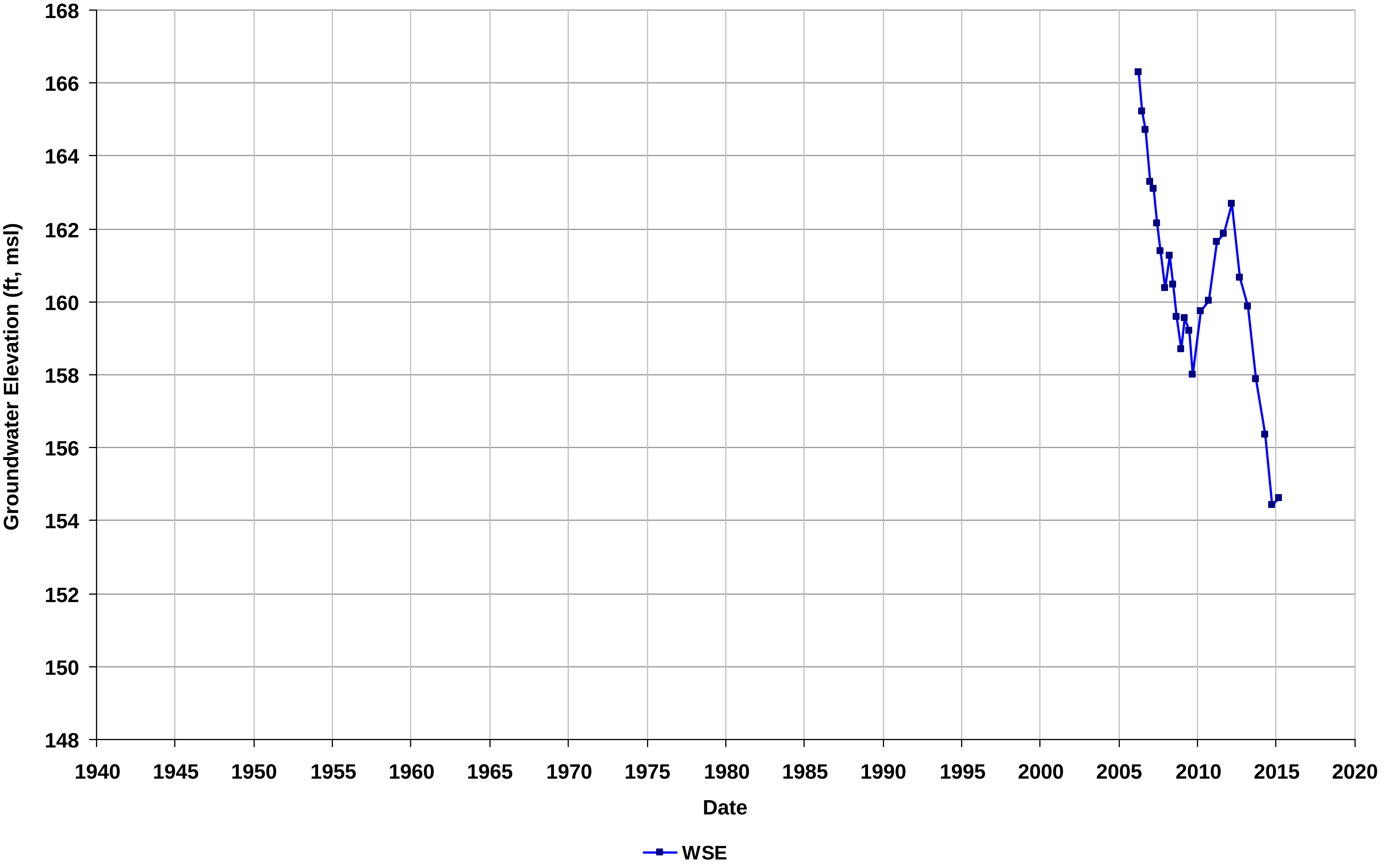
Well Name: T0600101065-S-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



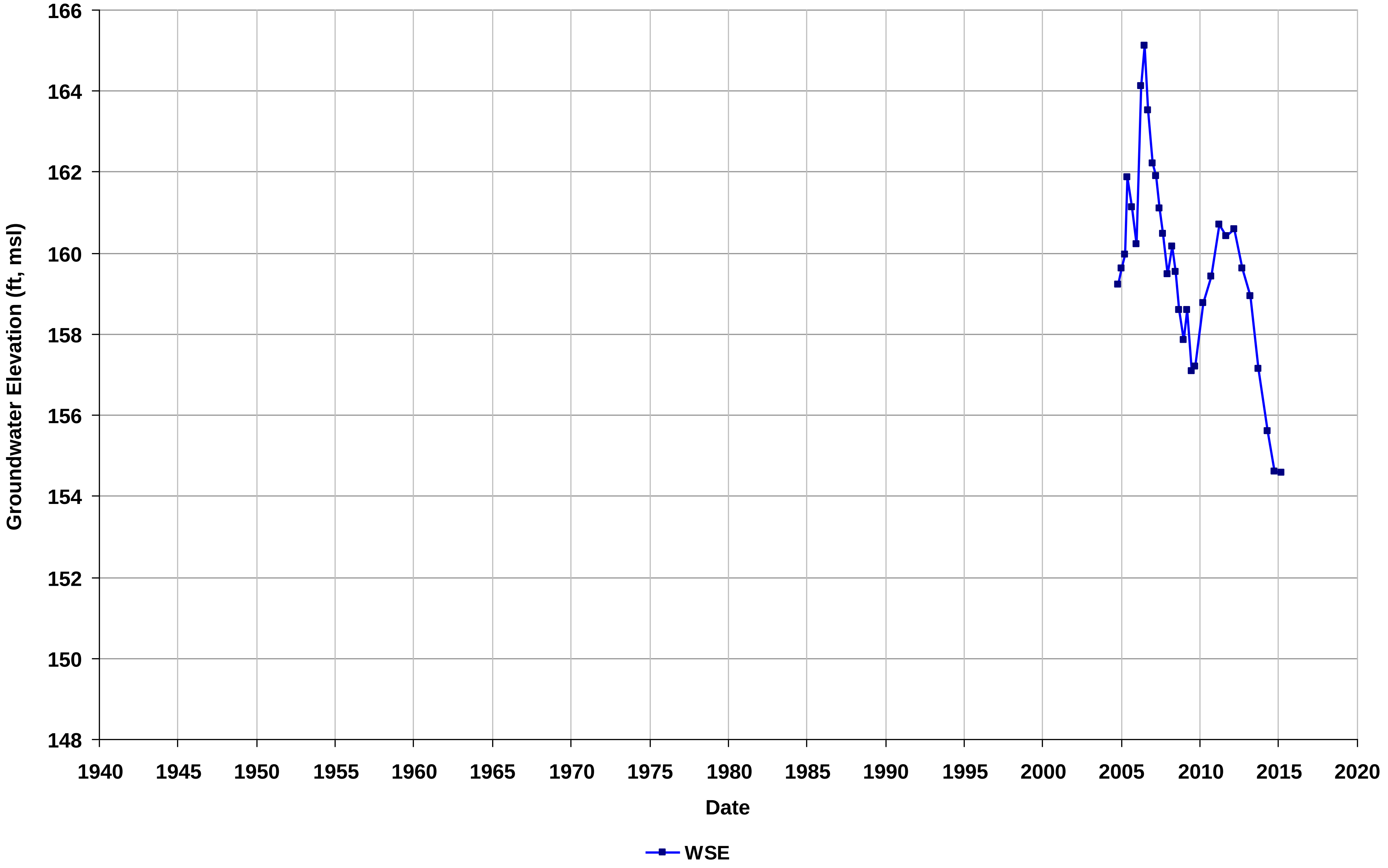
Well Name: T0600101118-EW-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



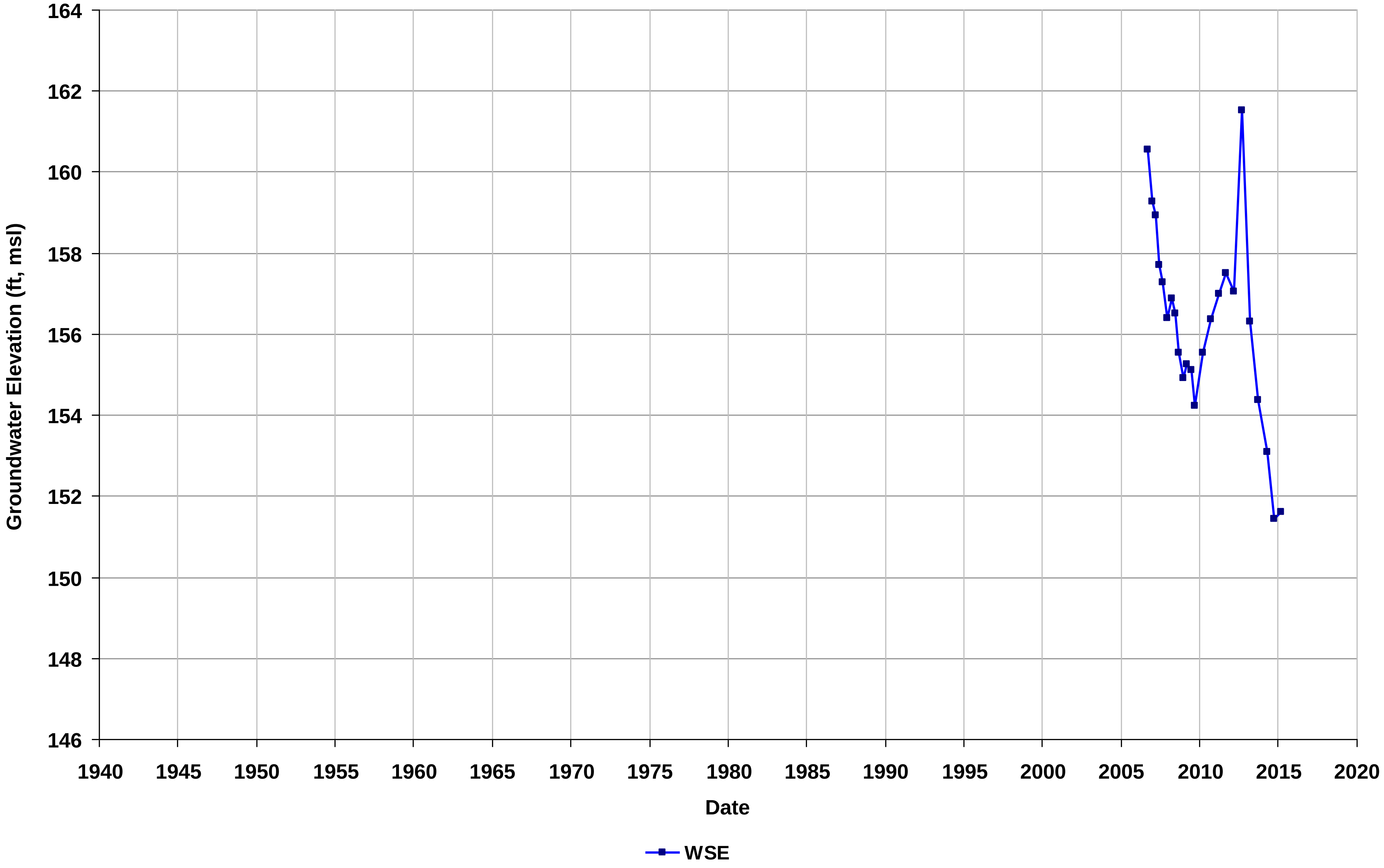
Well Name: T0600101118-MW-10
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



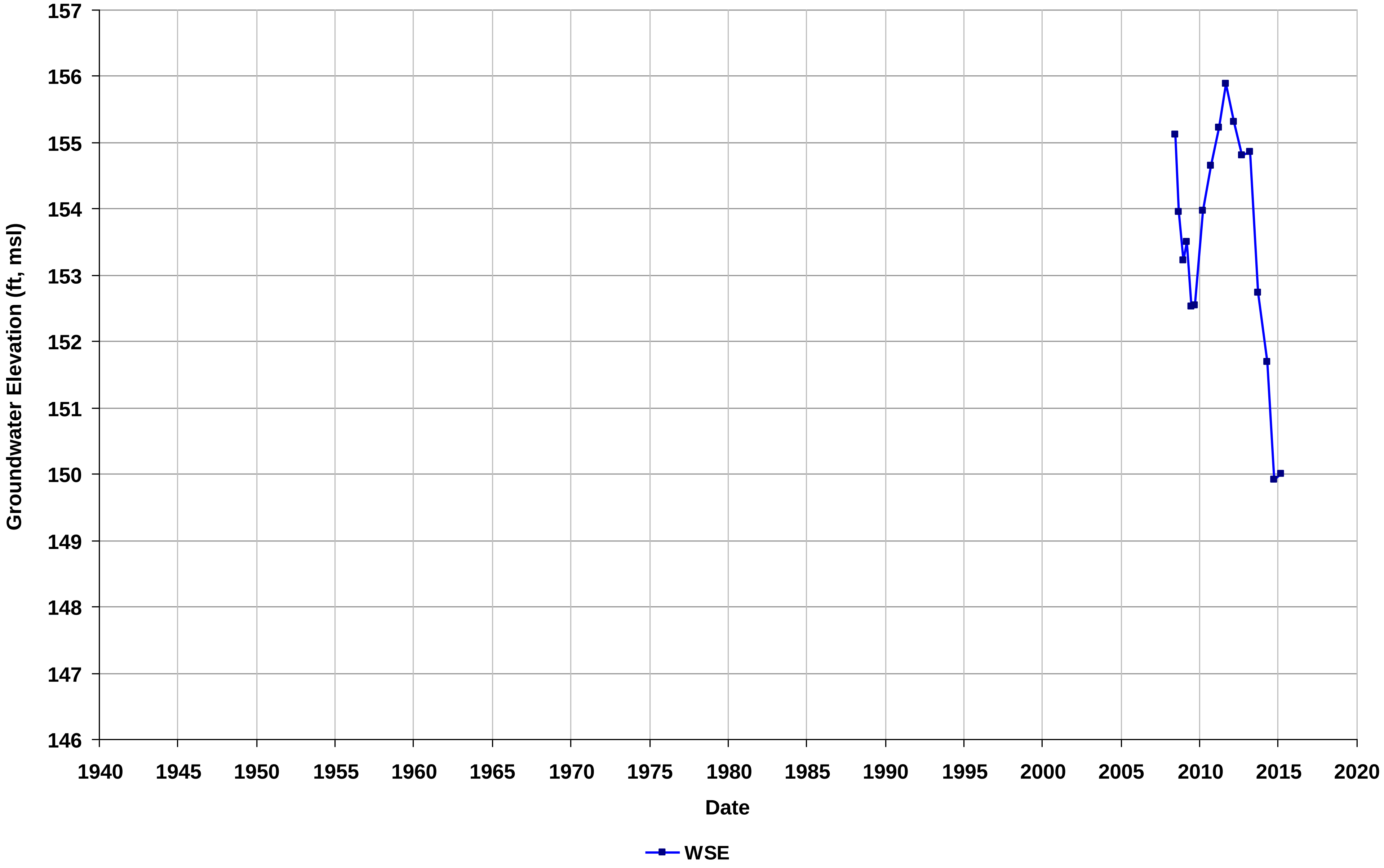
Well Name: T0600101118-MW-11
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



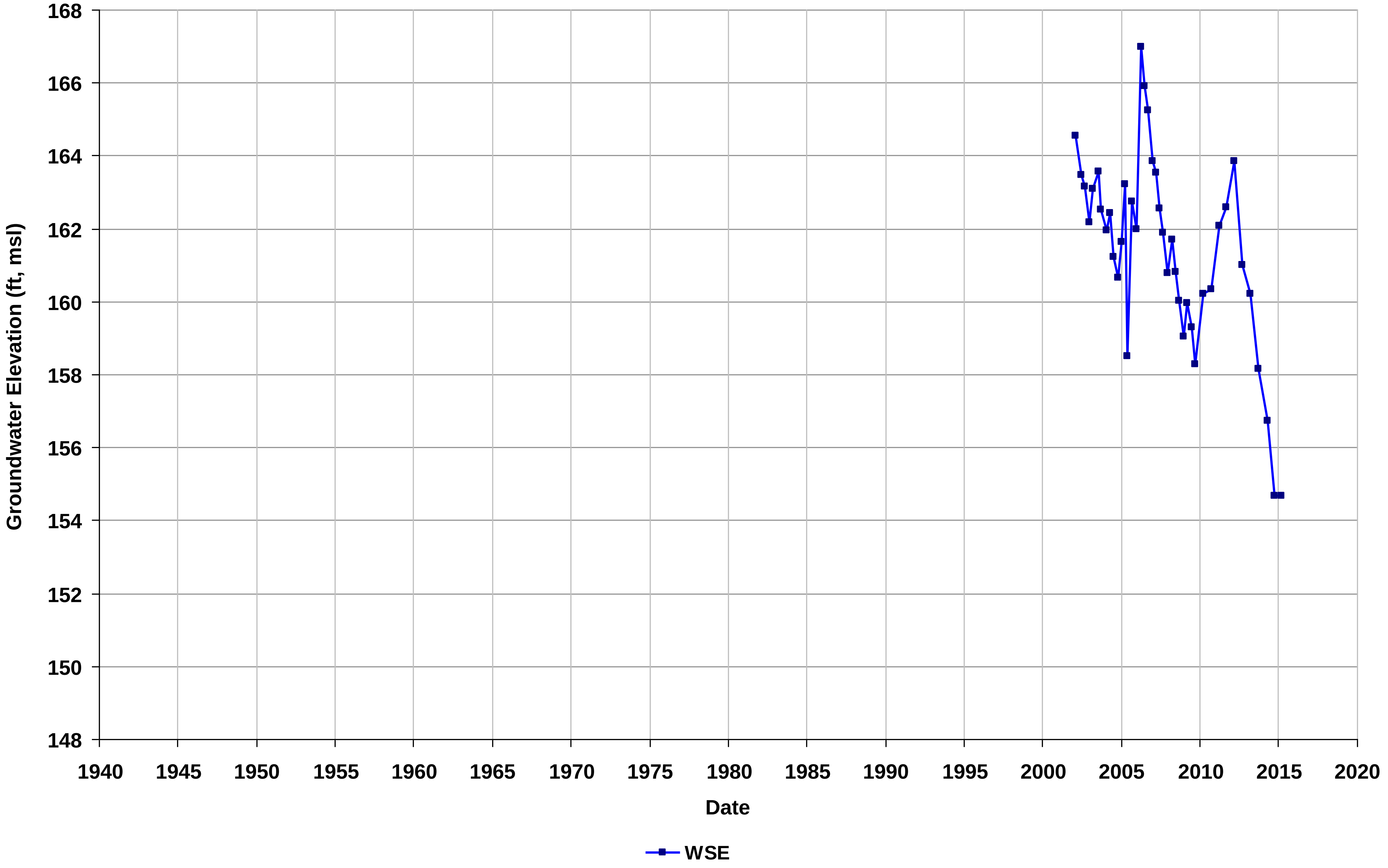
Well Name: T0600101118-MW-12
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



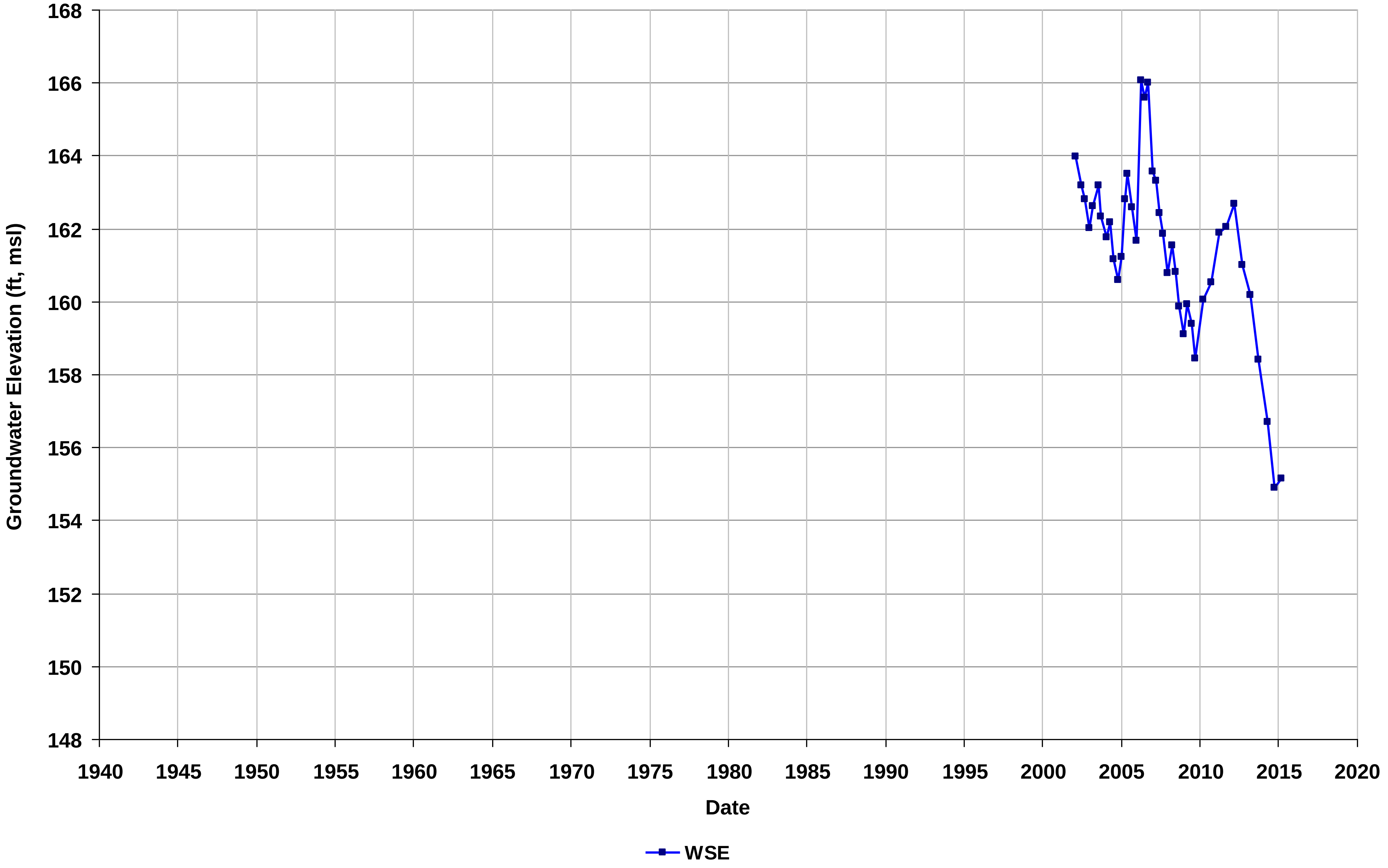
Well Name: T0600101118-MW-1R
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



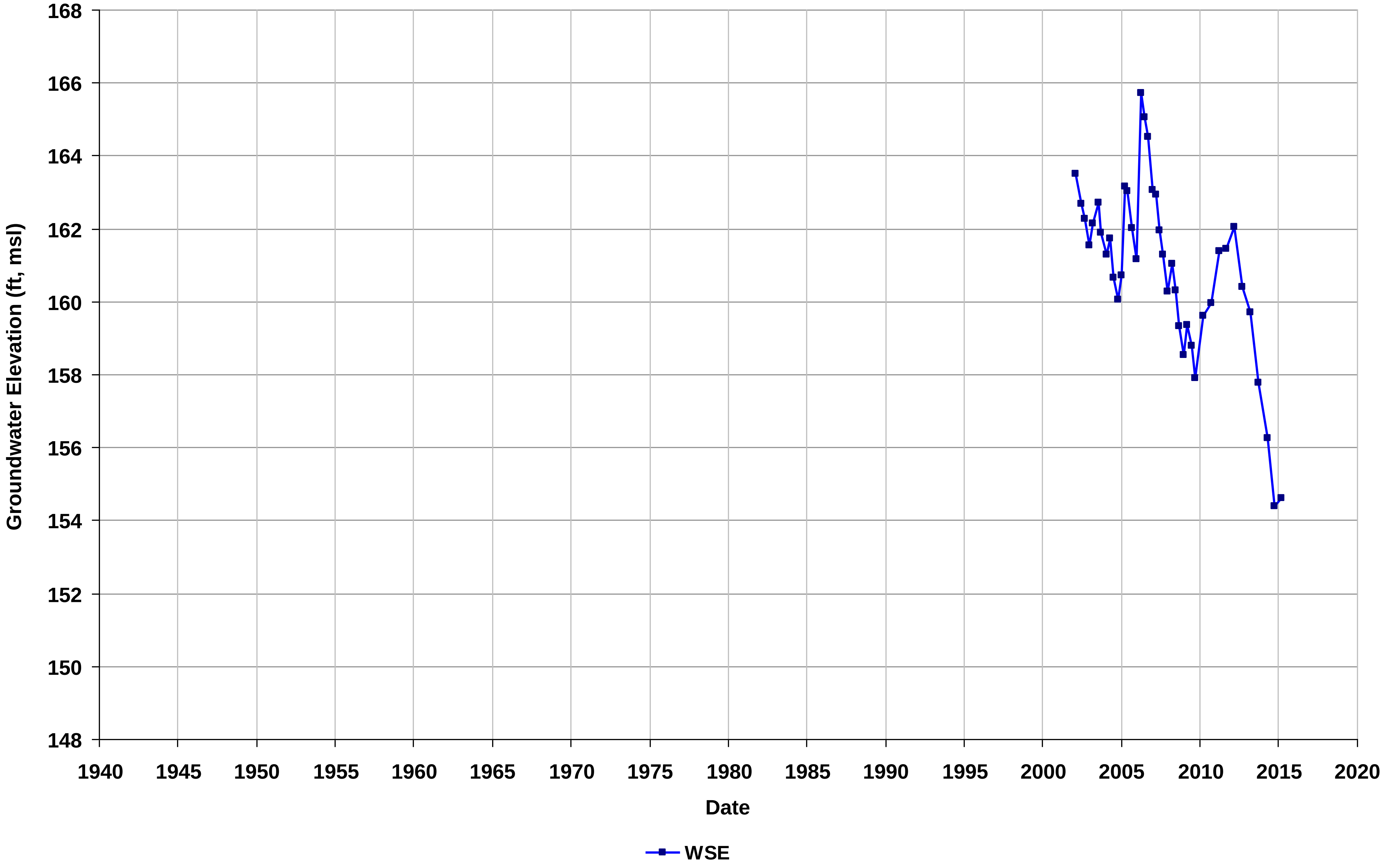
Well Name: T0600101118-MW-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



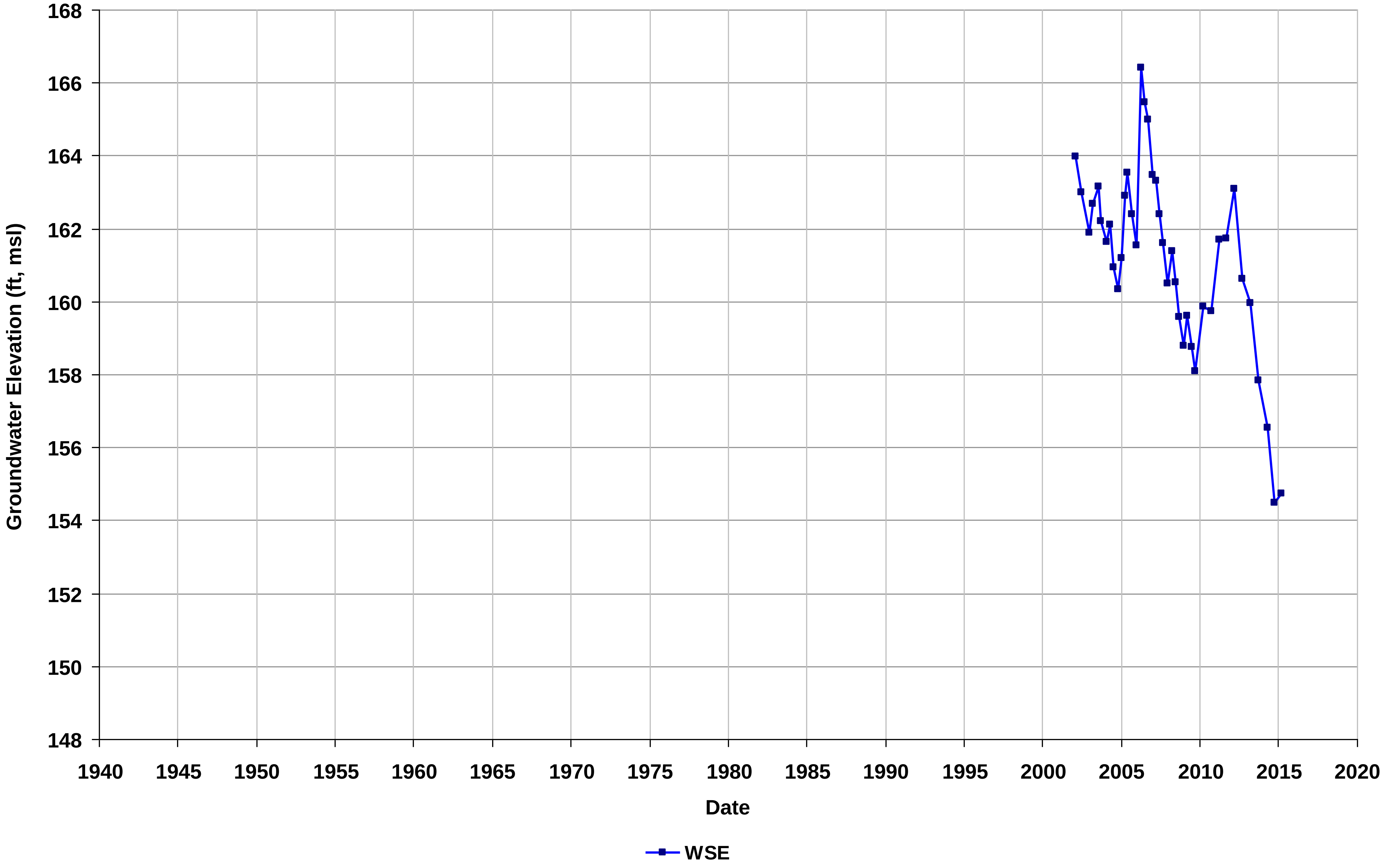
Well Name: T0600101118-MW-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



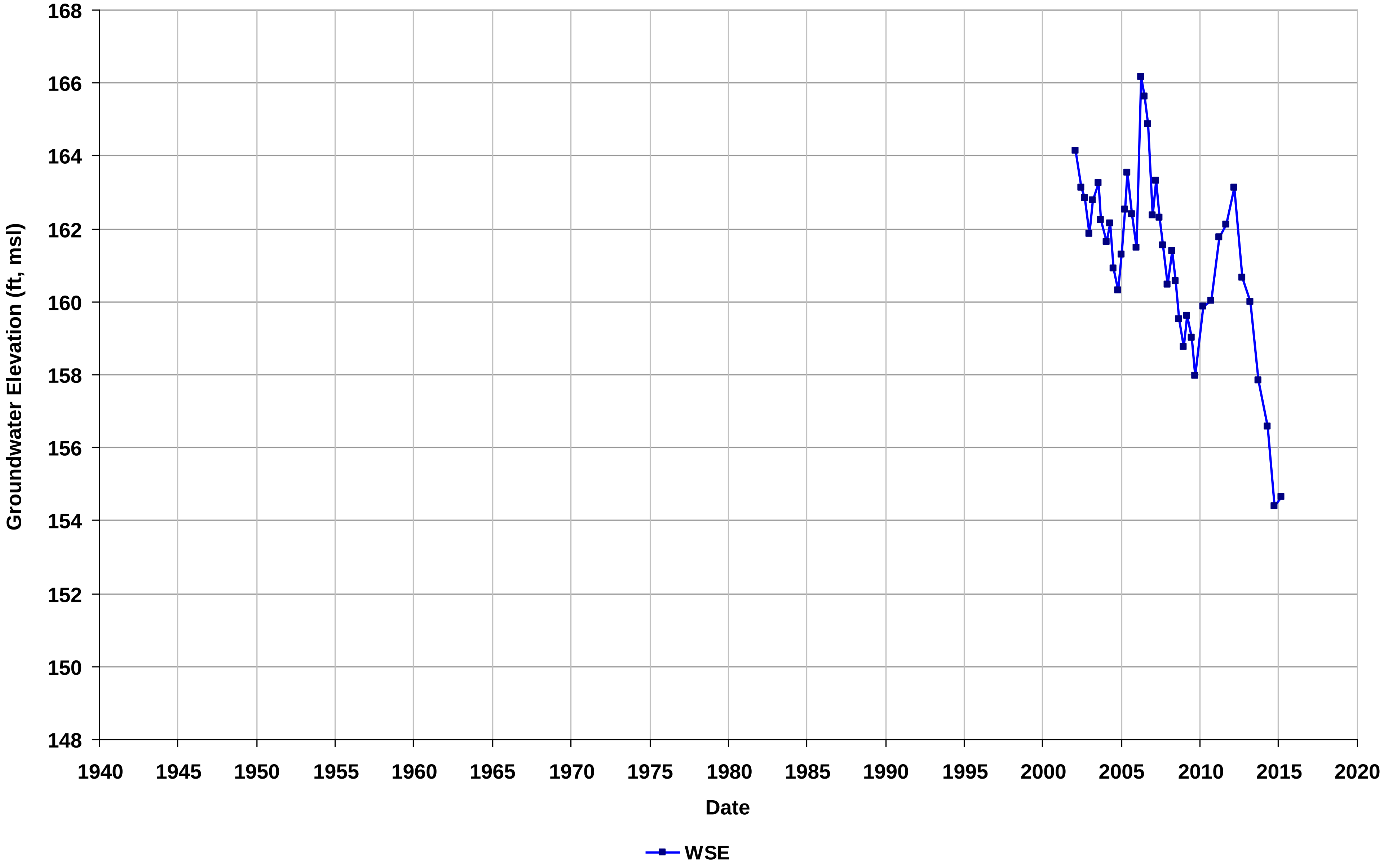
Well Name: T0600101118-MW-5R
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



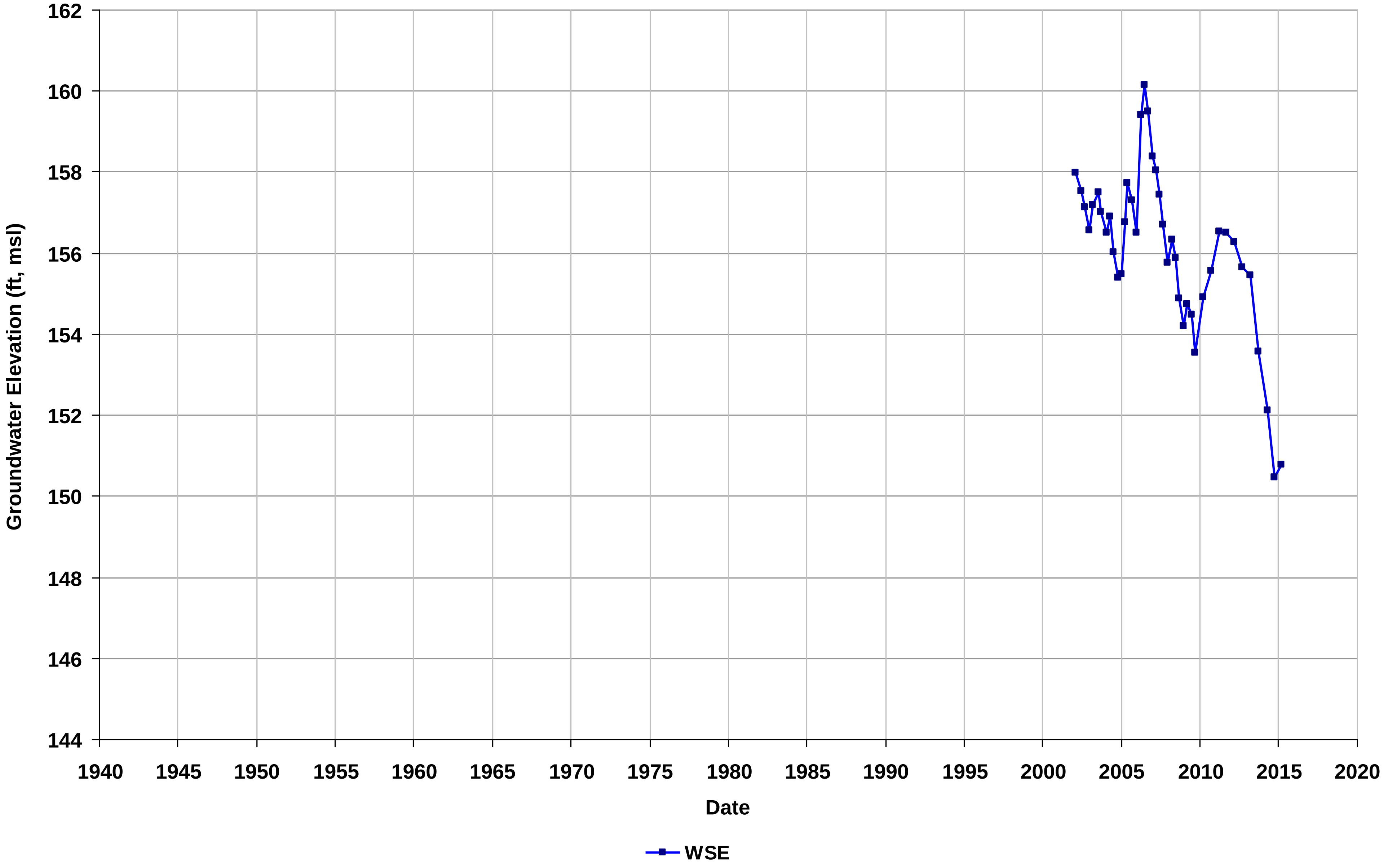
Well Name: T0600101118-MW-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



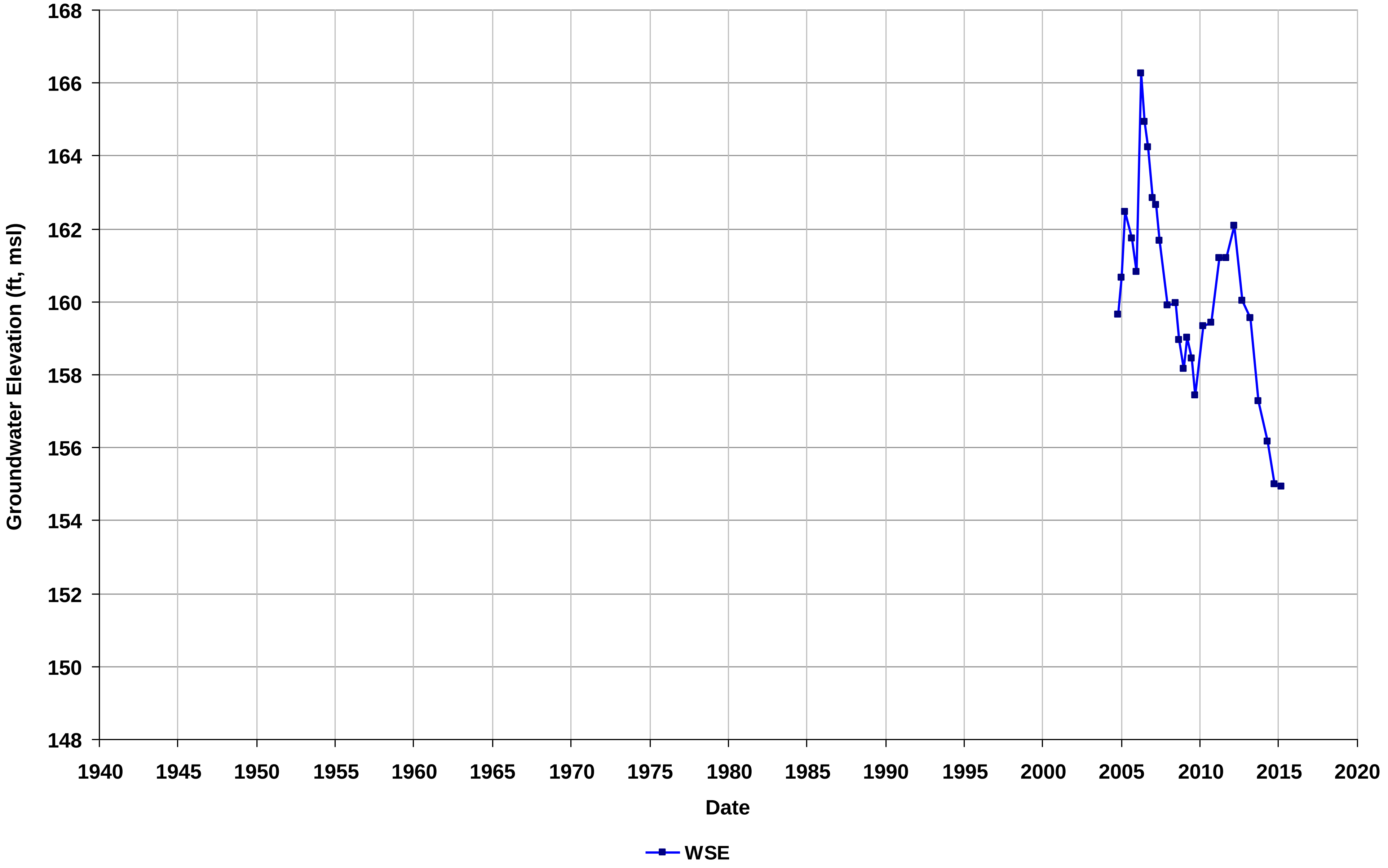
Well Name: T0600101118-MW-7
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



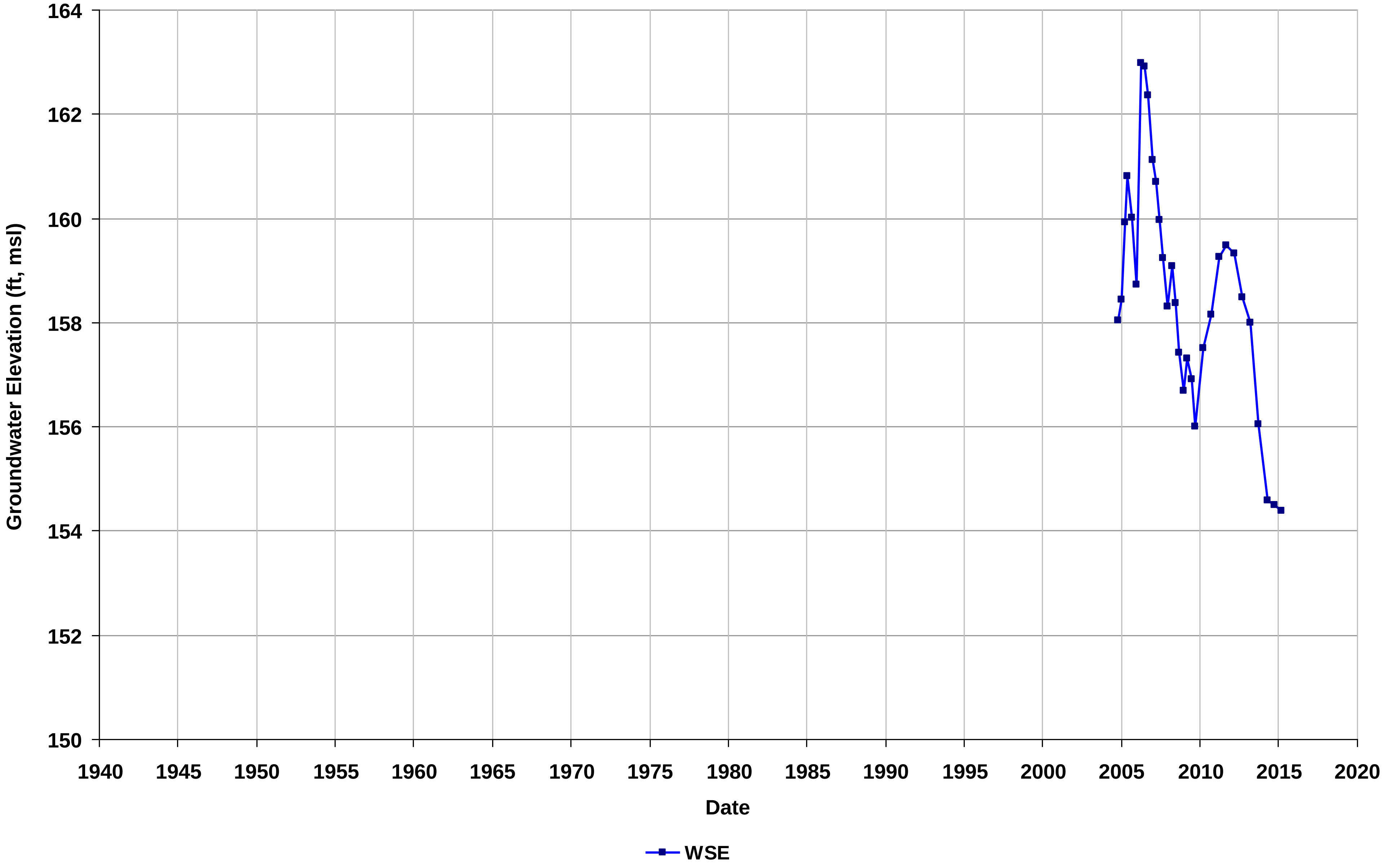
Well Name: T0600101118-MW-8
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



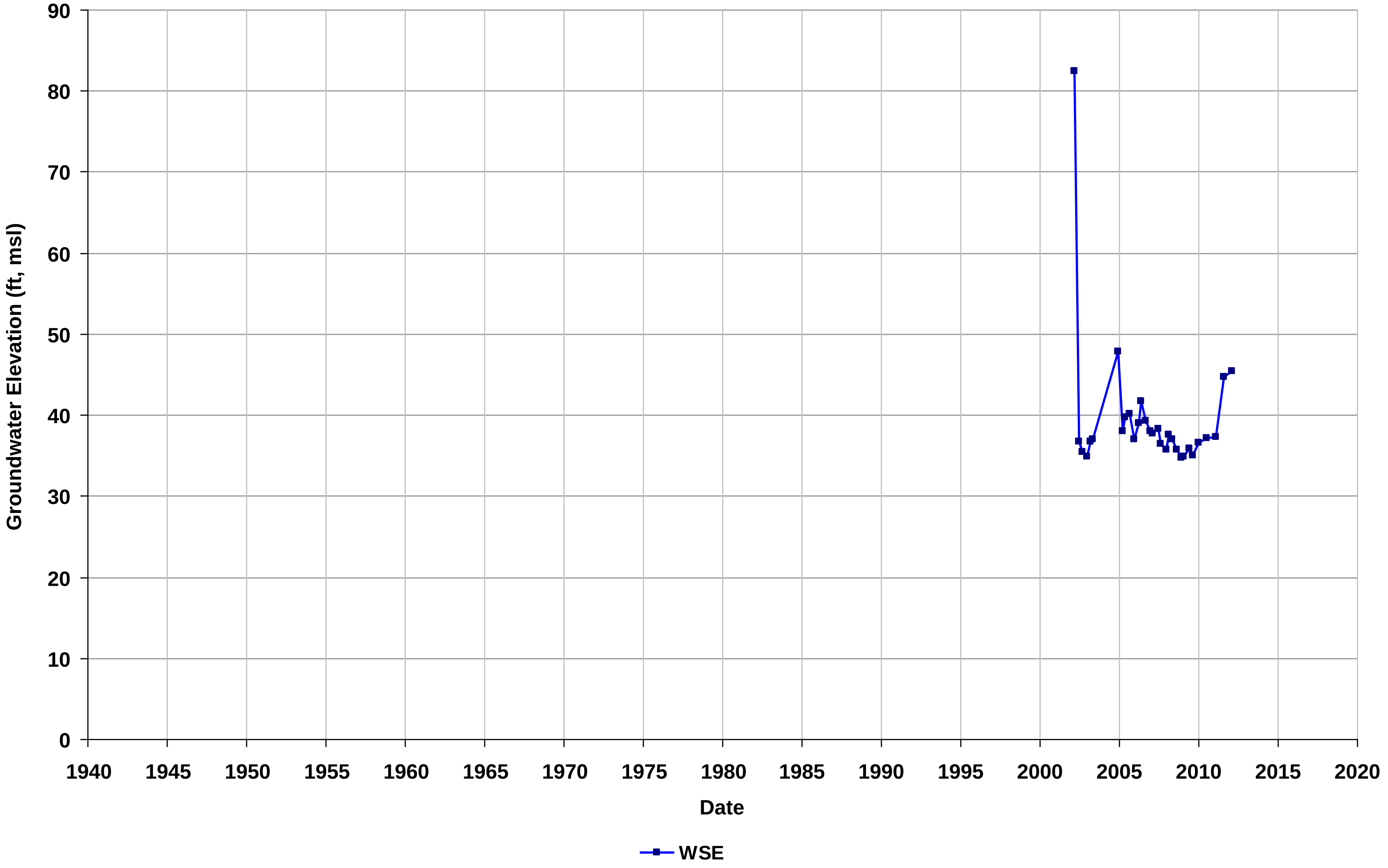
Well Name: T0600101118-MW-9
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



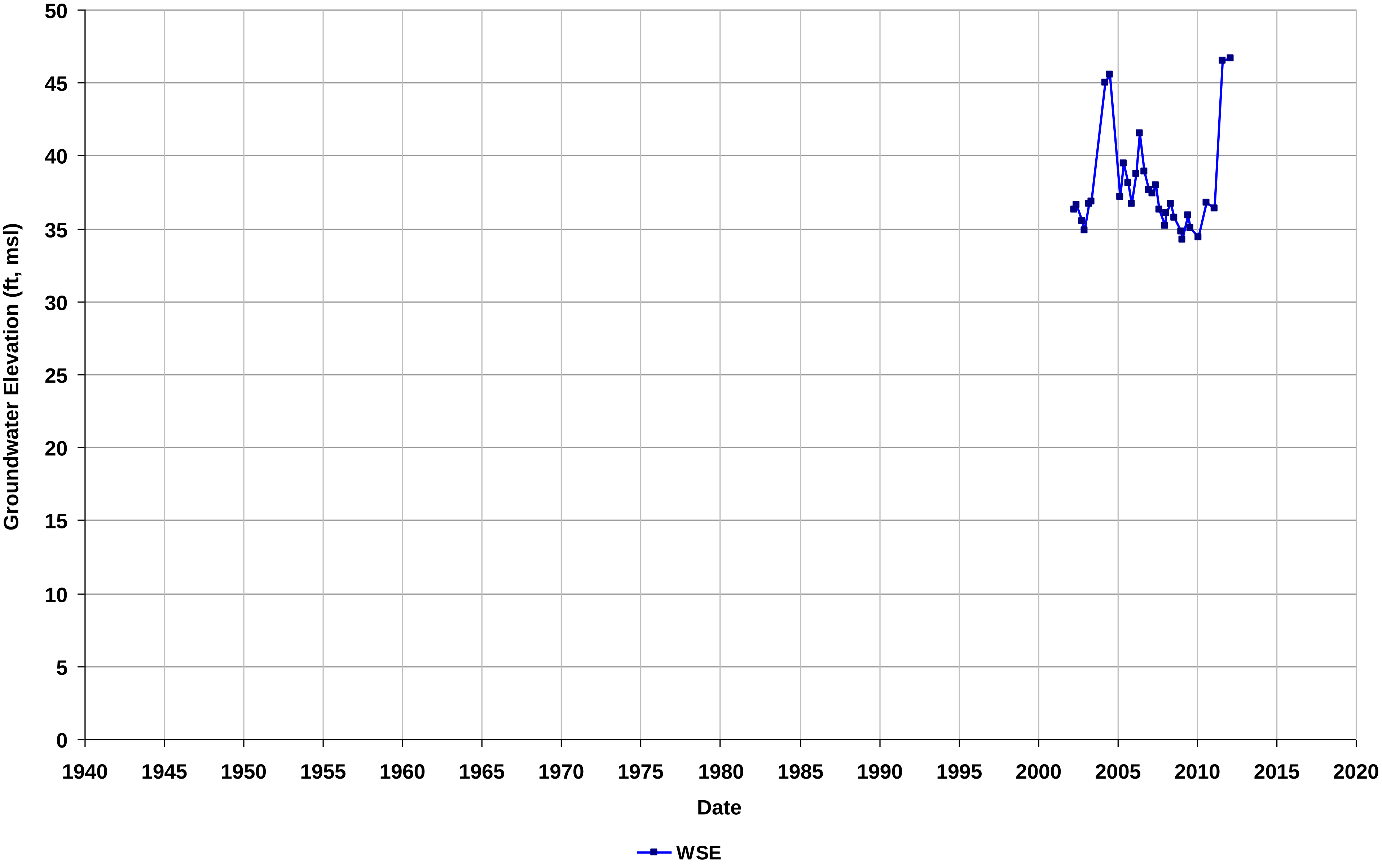
Well Name: T0600101131-EX1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/21
Well Use: Observation



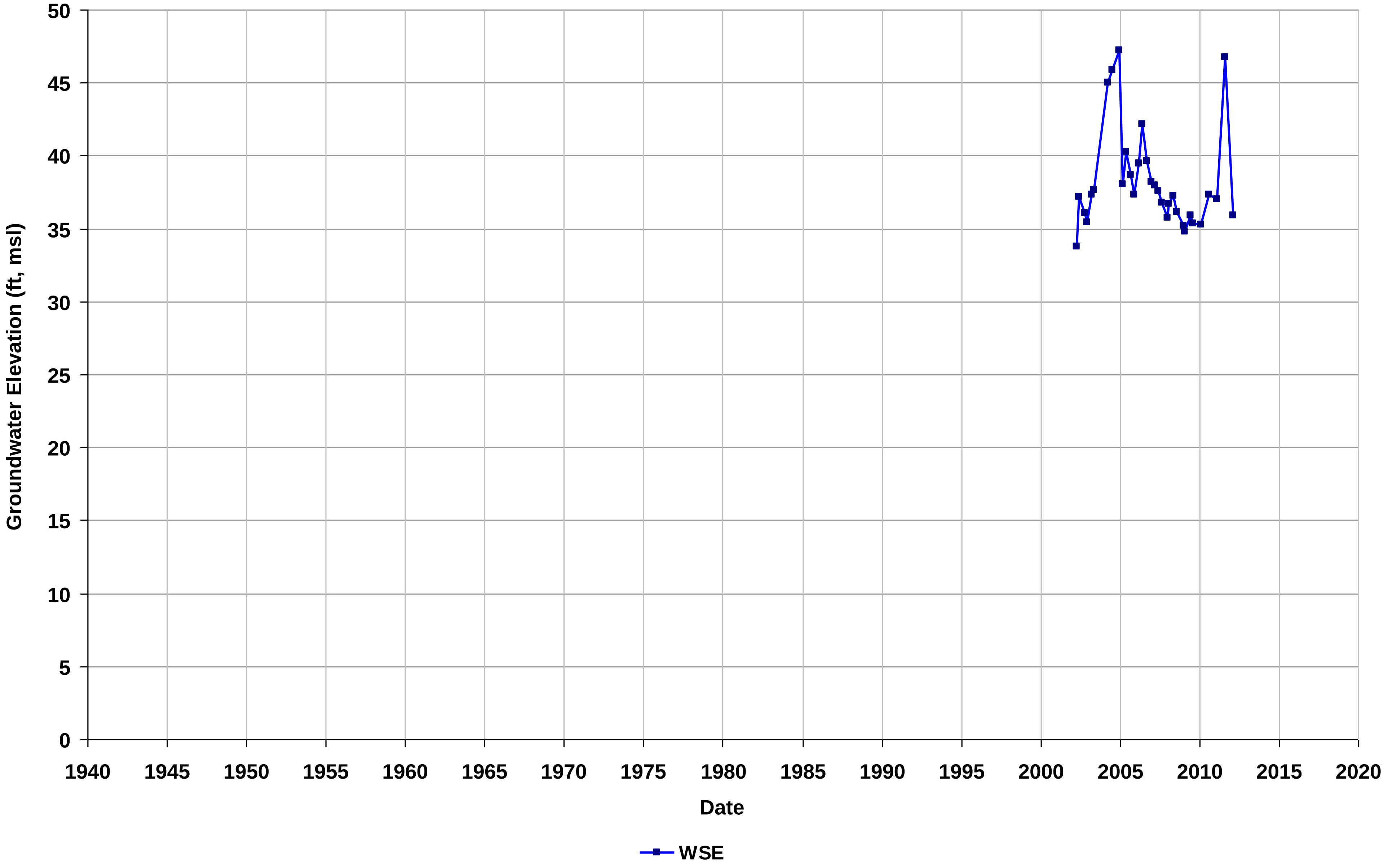
Well Name: T0600101131-EX2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/21
Well Use: Observation



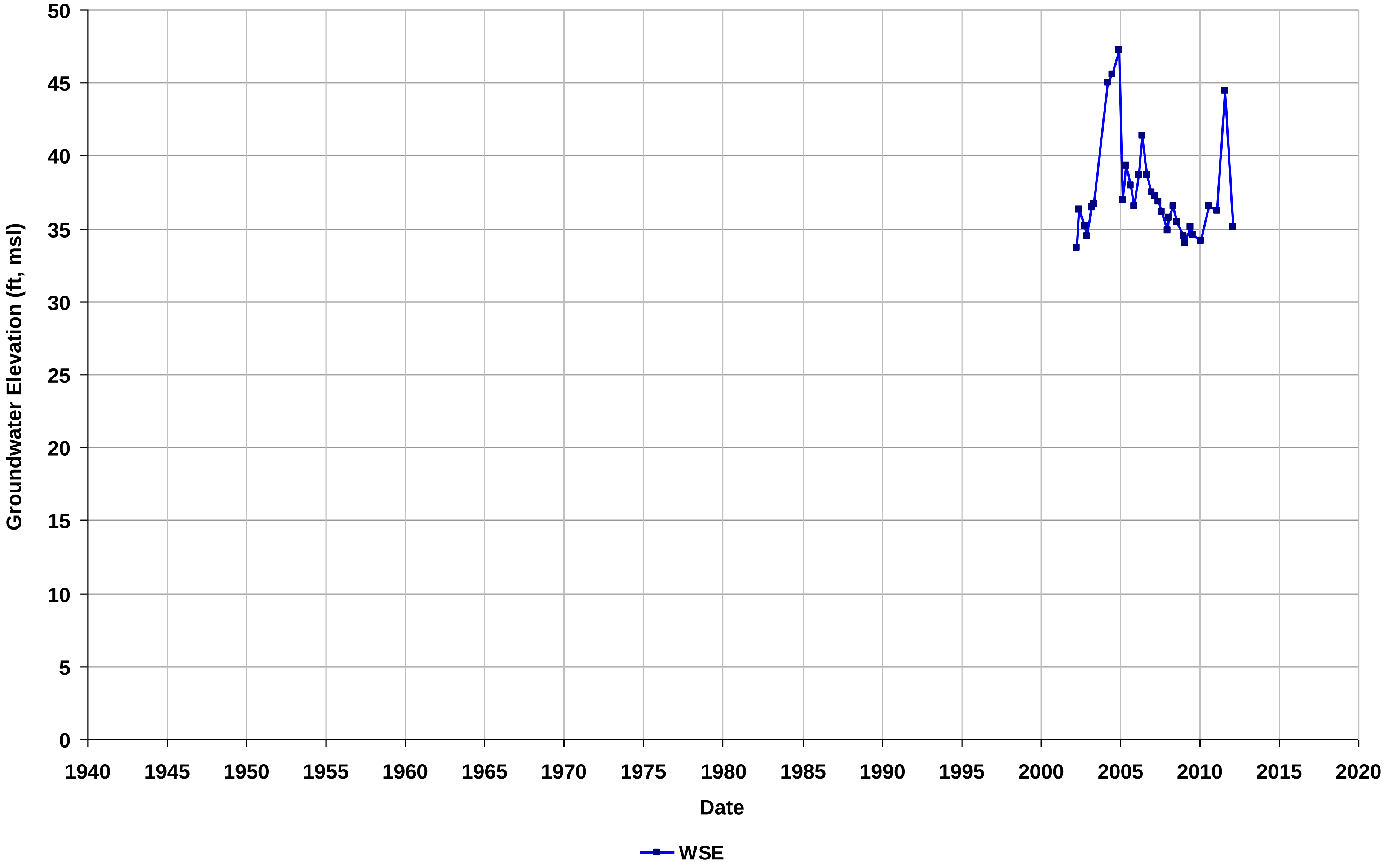
Well Name: T0600101131-EX3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/21
Well Use: Observation



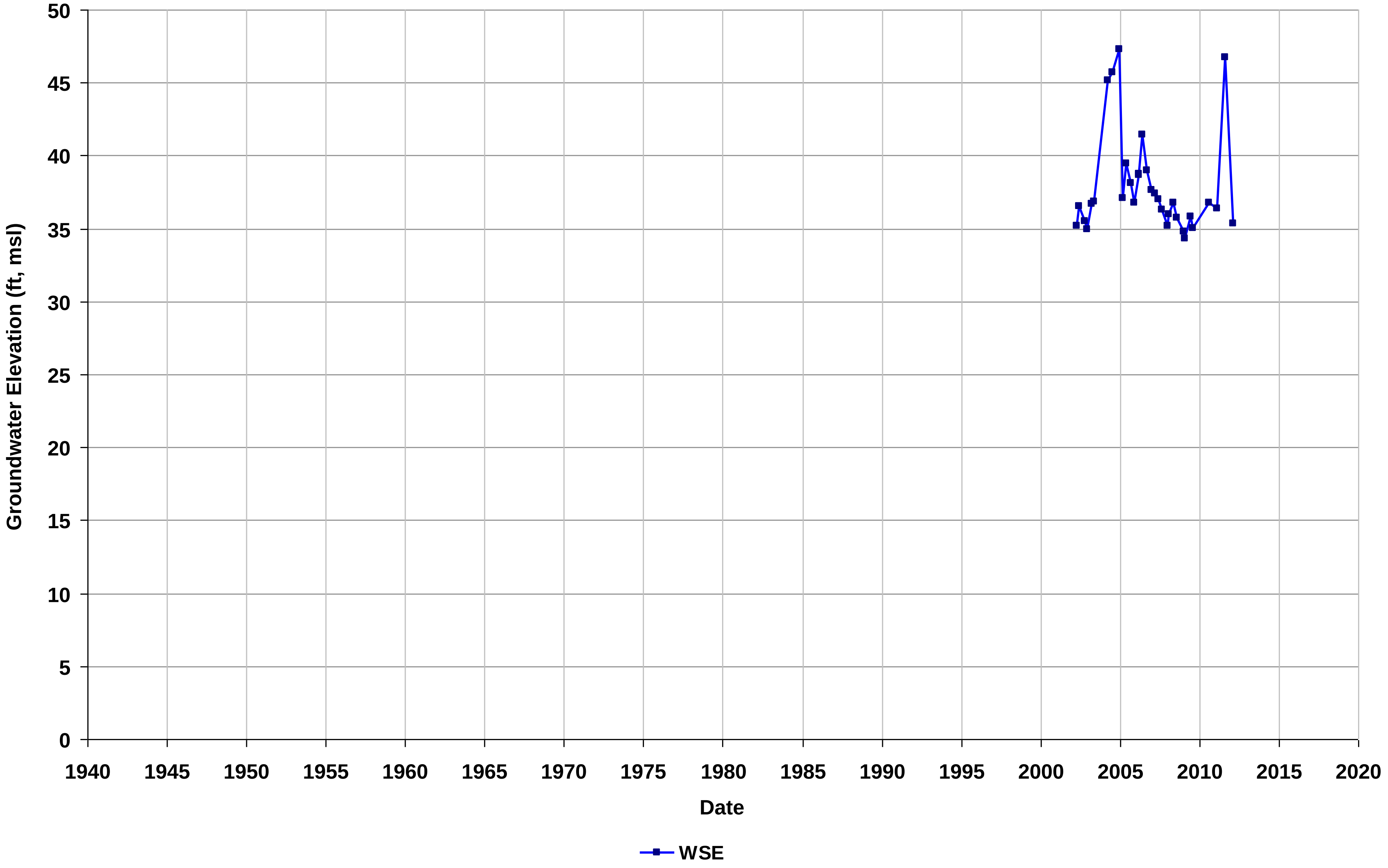
Well Name: T0600101131-EX4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/21
Well Use: Observation



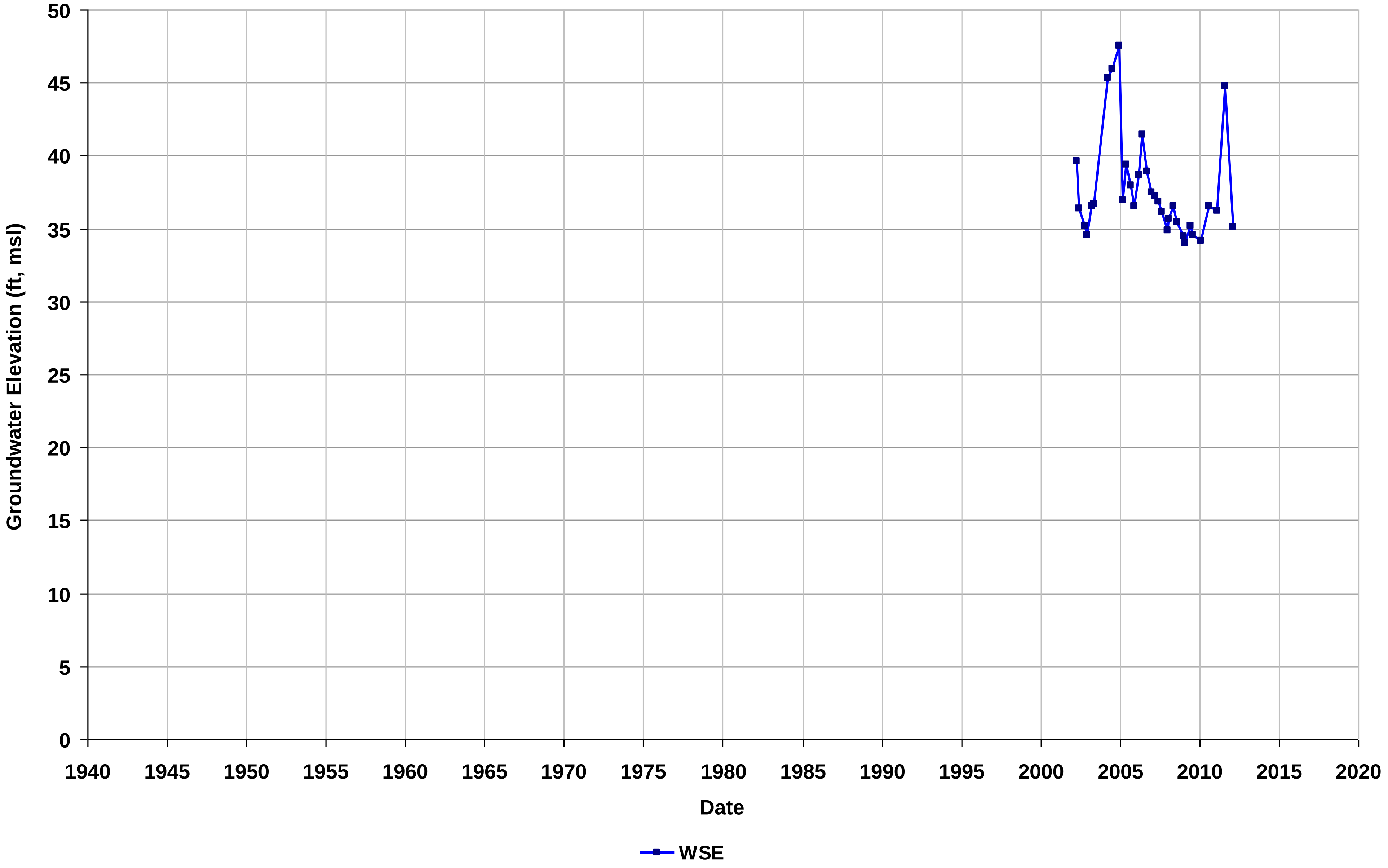
Well Name: T0600101131-MW2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/21
Well Use: Observation



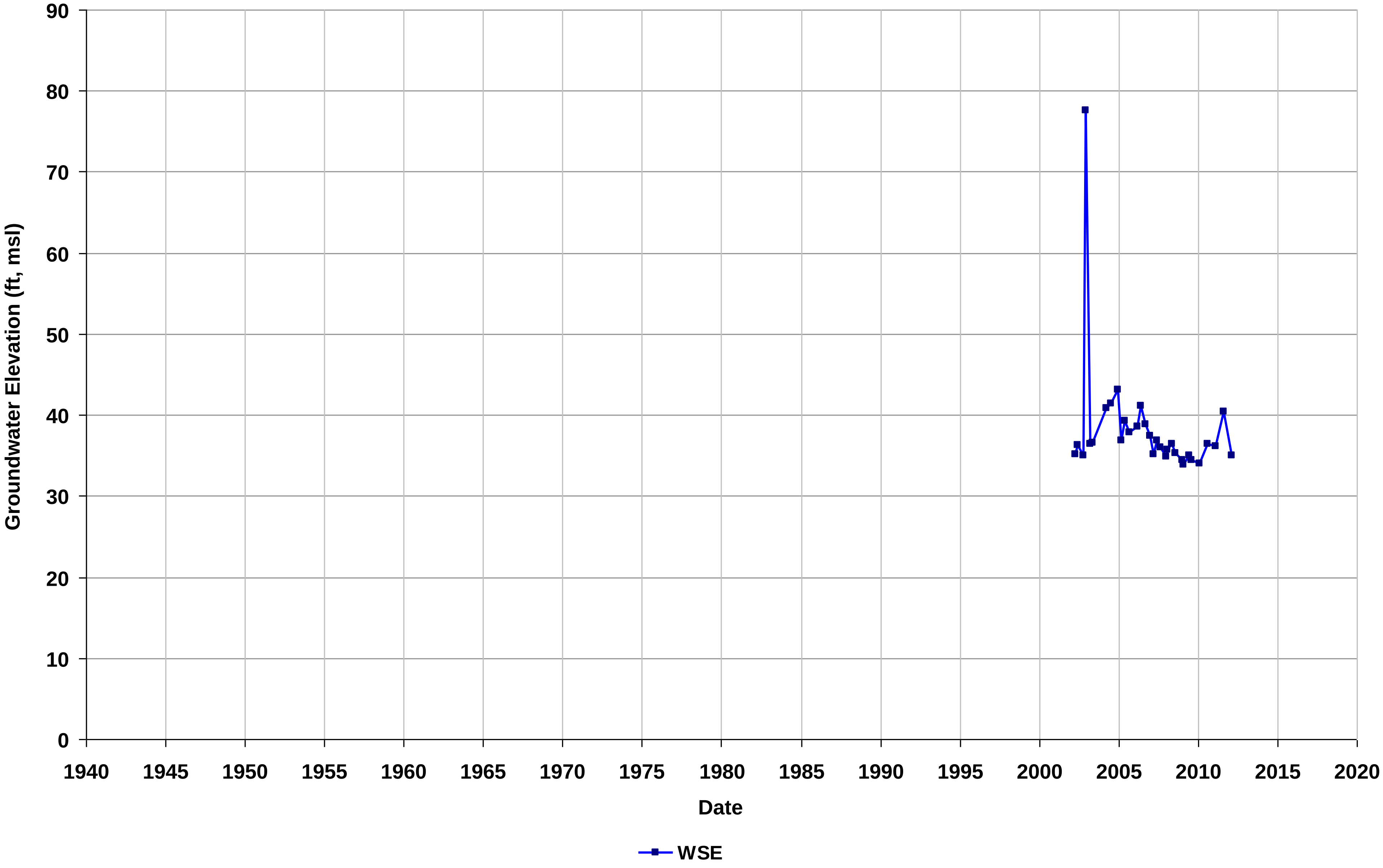
Well Name: T0600101131-MW3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/21
Well Use: Observation



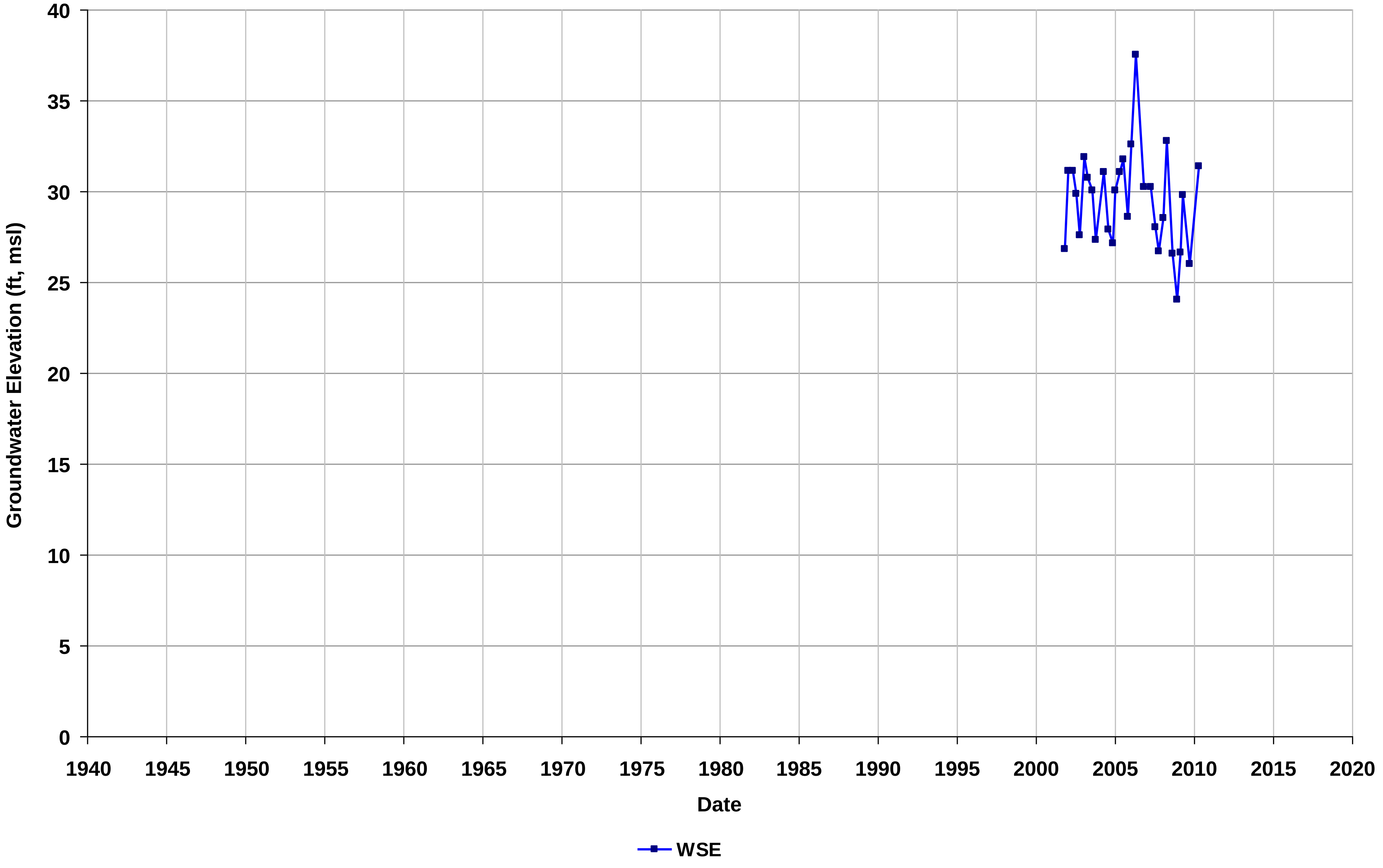
Well Name: T0600101131-MW4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/21
Well Use: Observation



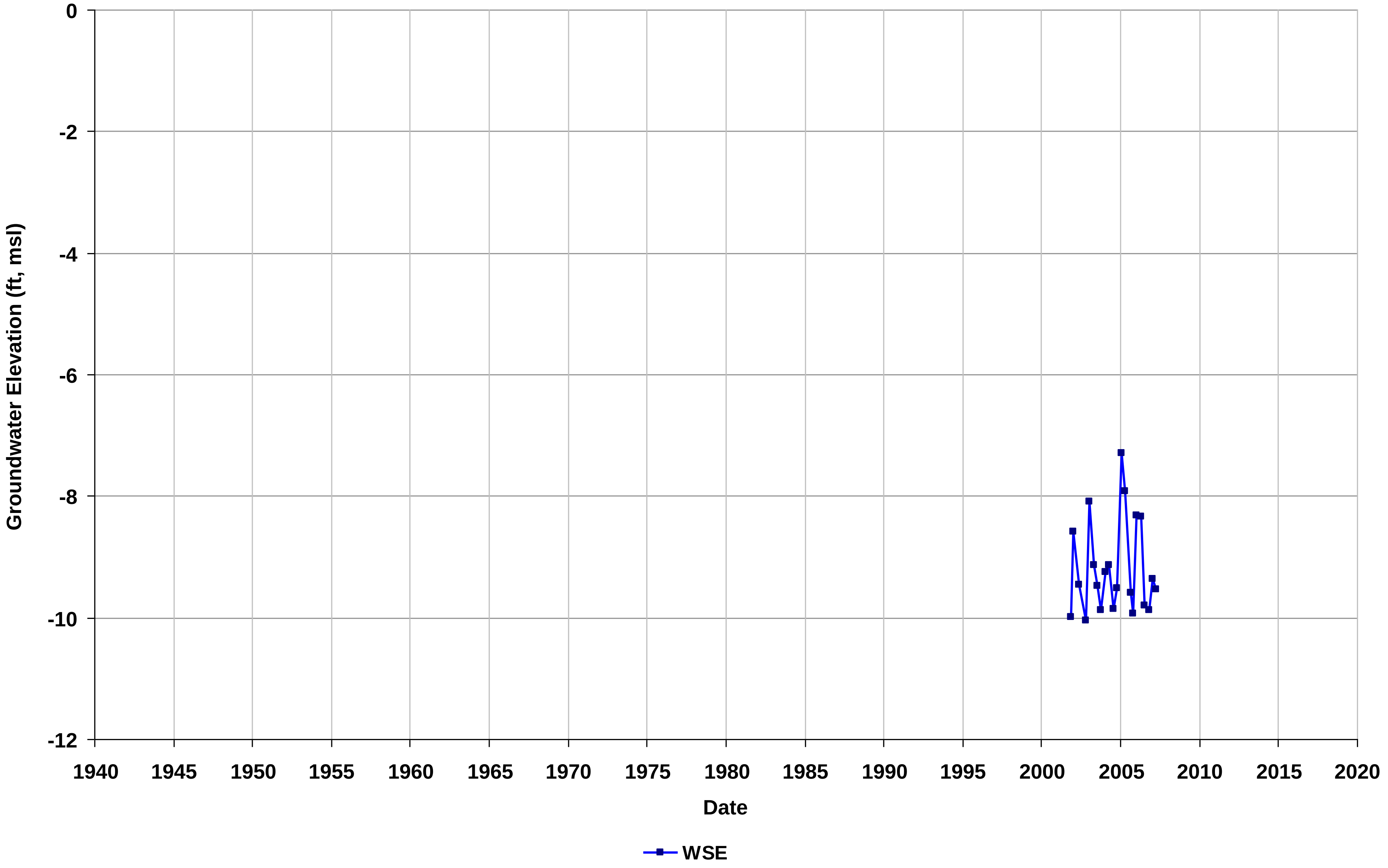
Well Name: T0600101224-IW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/25
Well Use: Observation



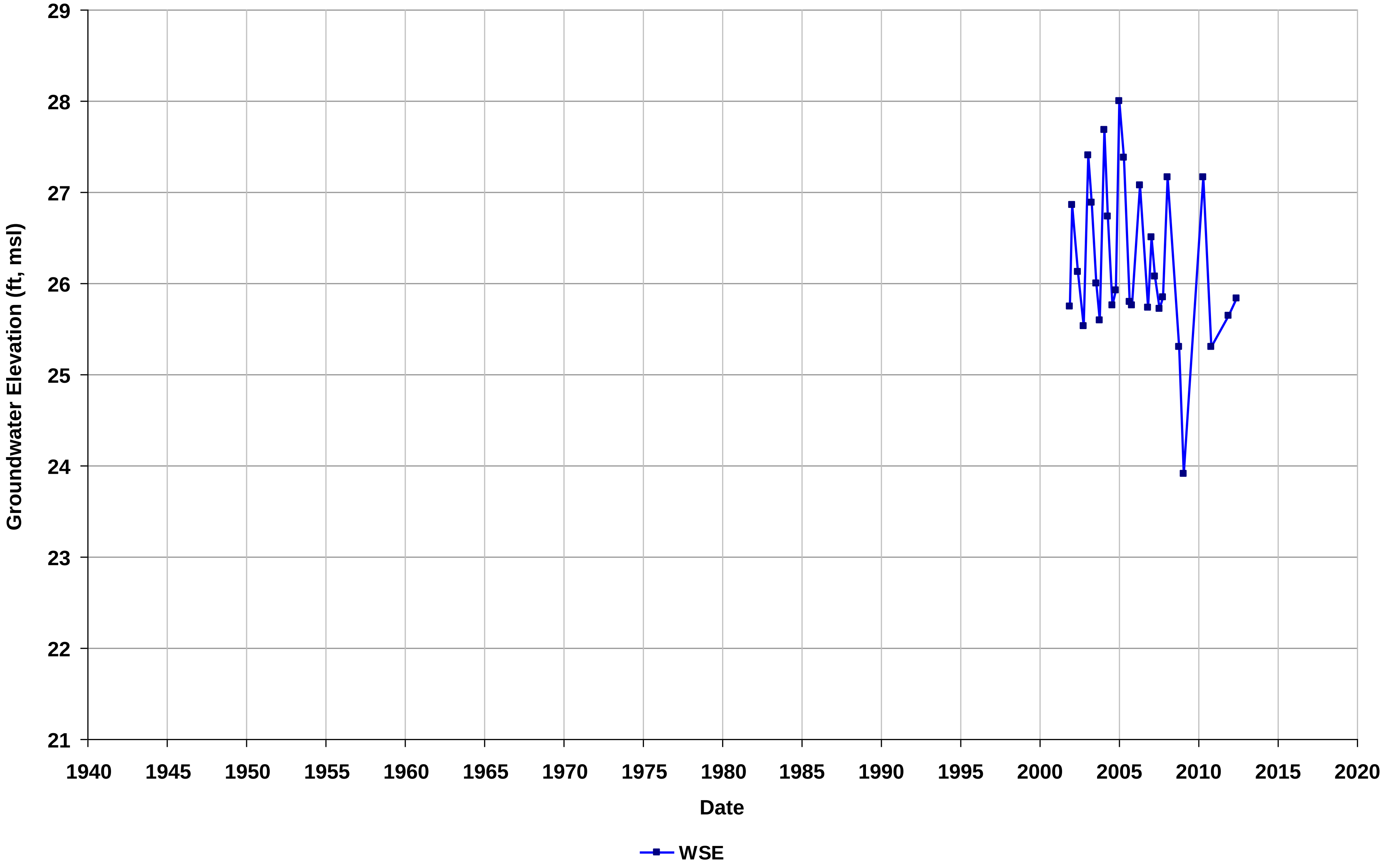
Well Name: T0600101227-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/03
Well Use: Observation



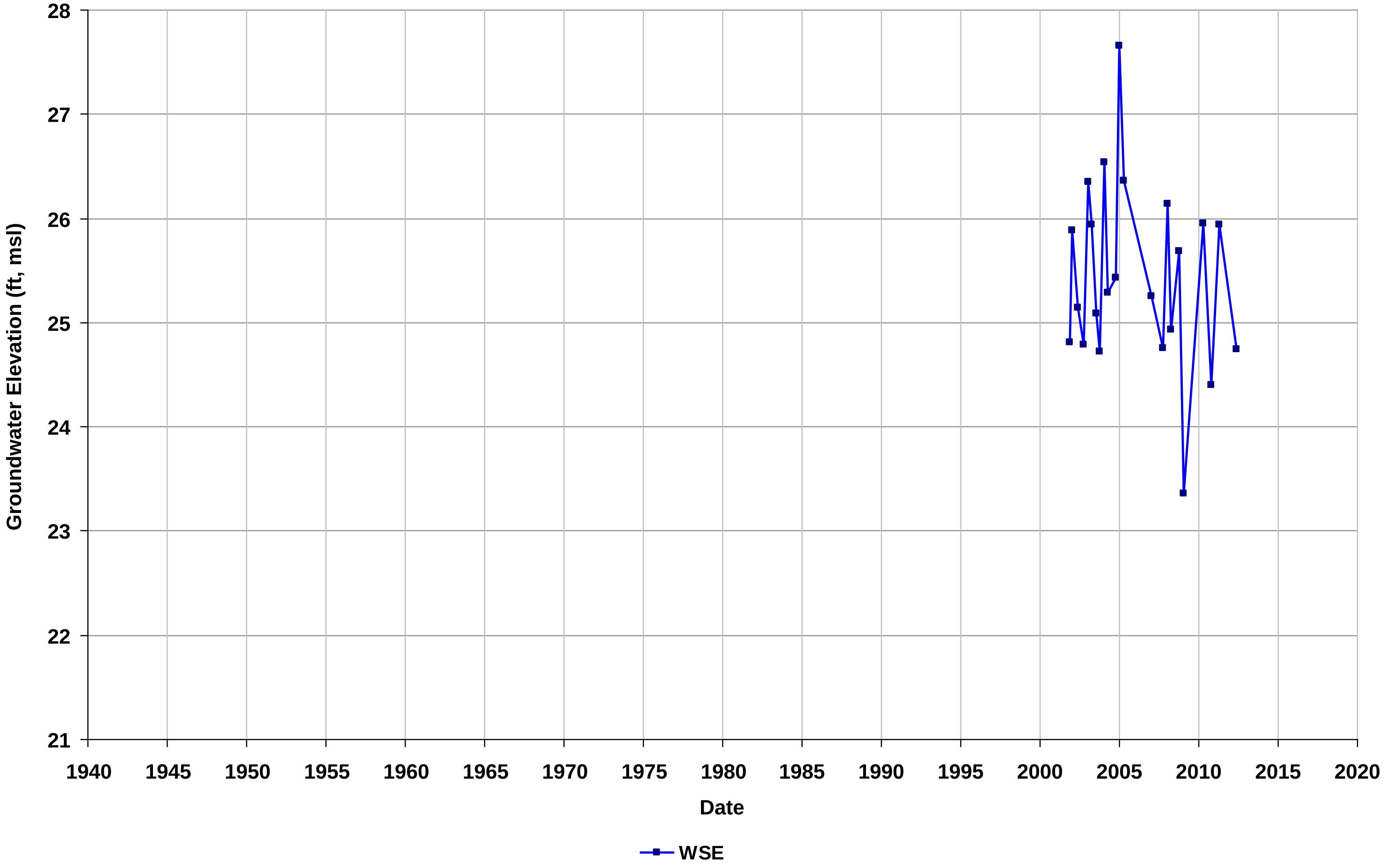
Well Name: T0600101227-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/03
Well Use: Observation



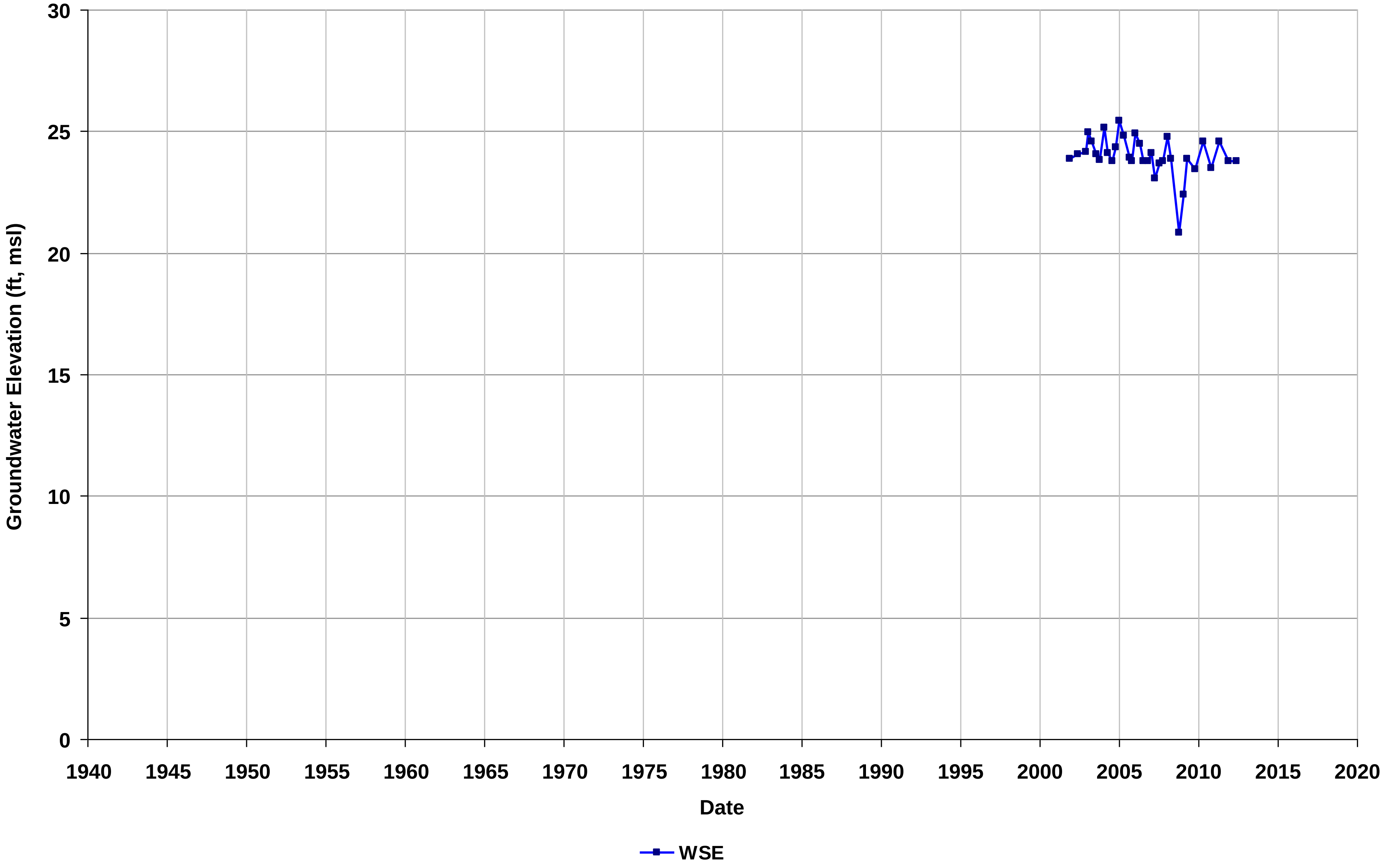
Well Name: T0600101227-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/03
Well Use: Observation



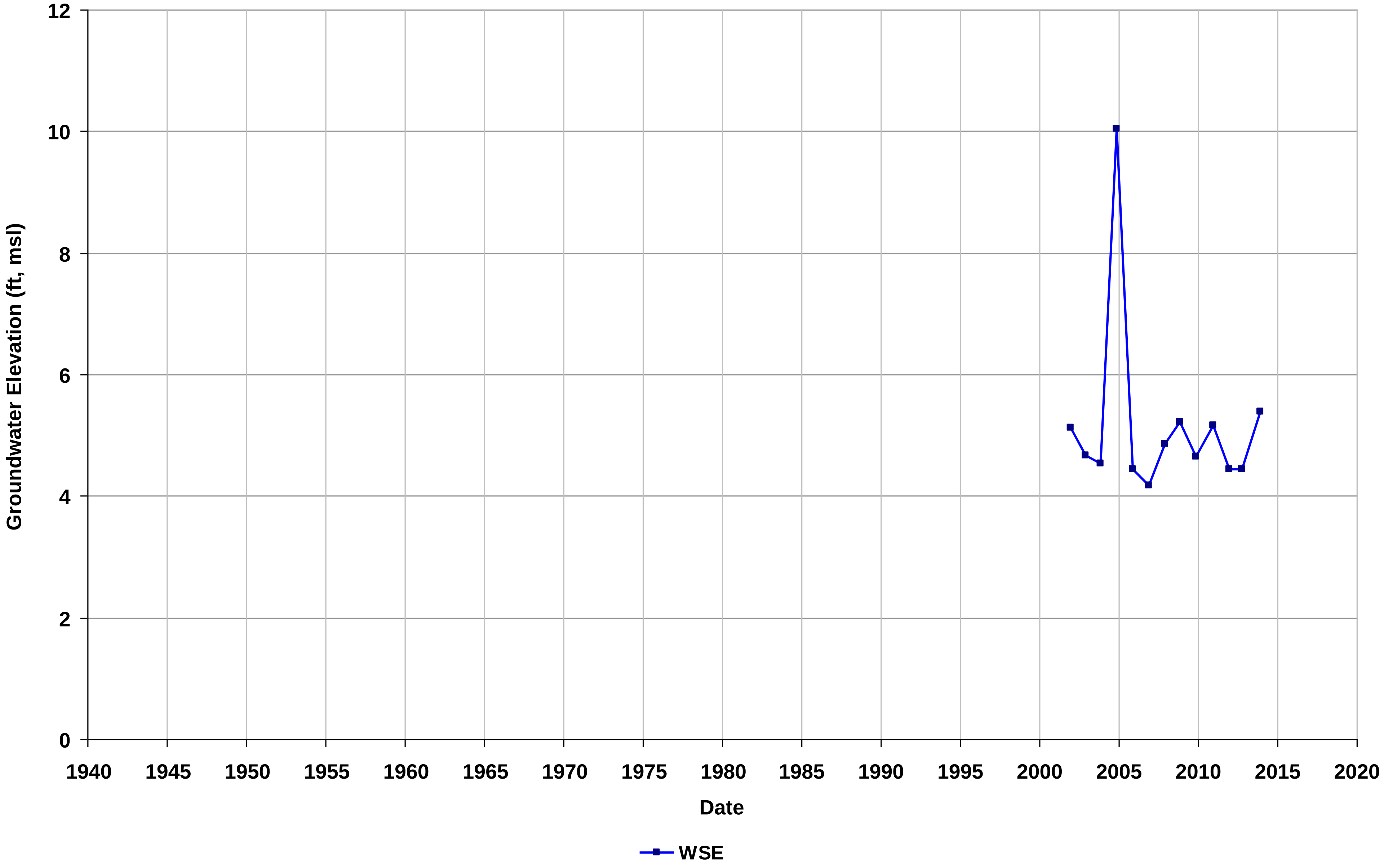
Well Name: T0600101227-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/03
Well Use: Observation



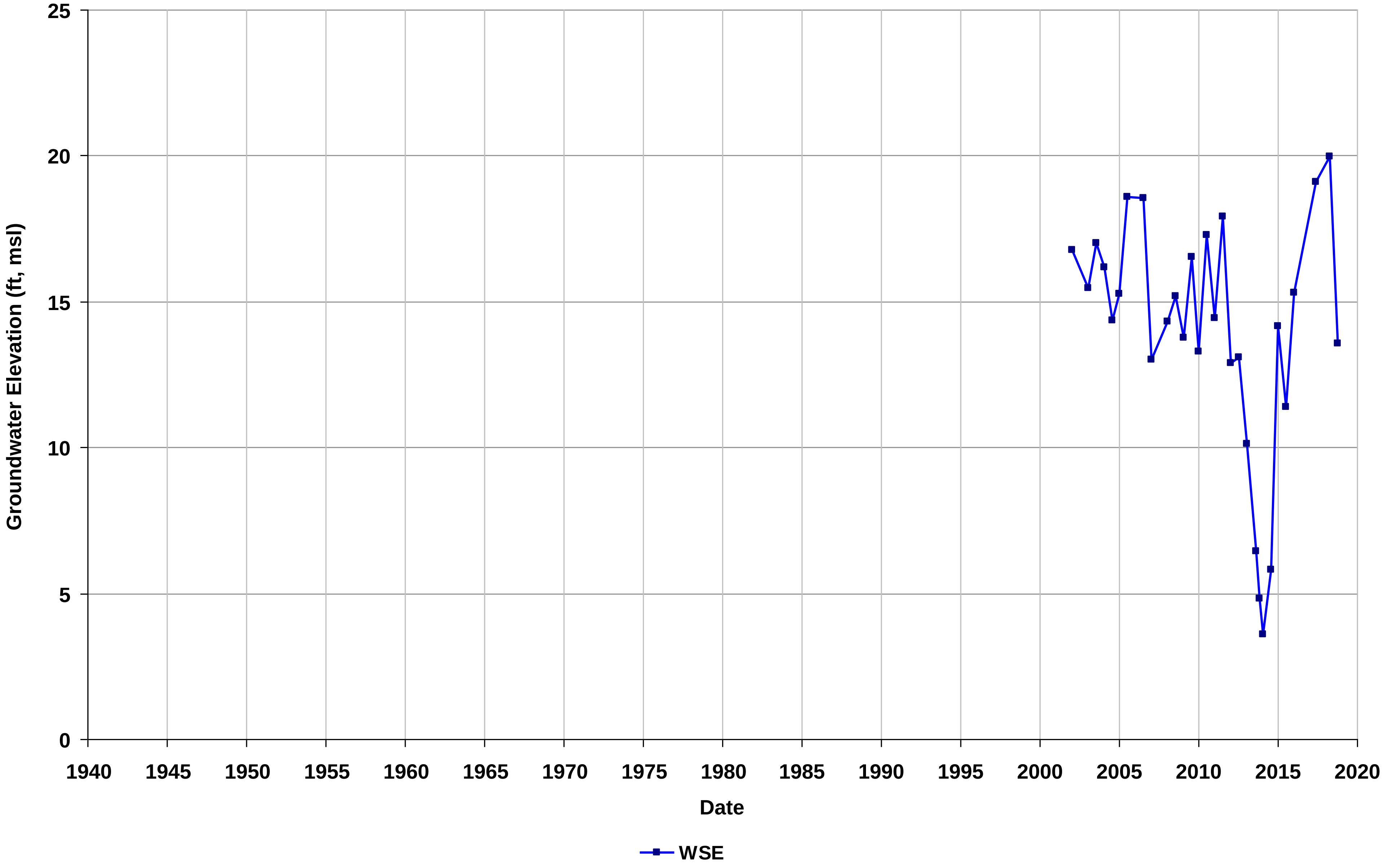
Well Name: T0600101231-S-13
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/16
Well Use: Observation



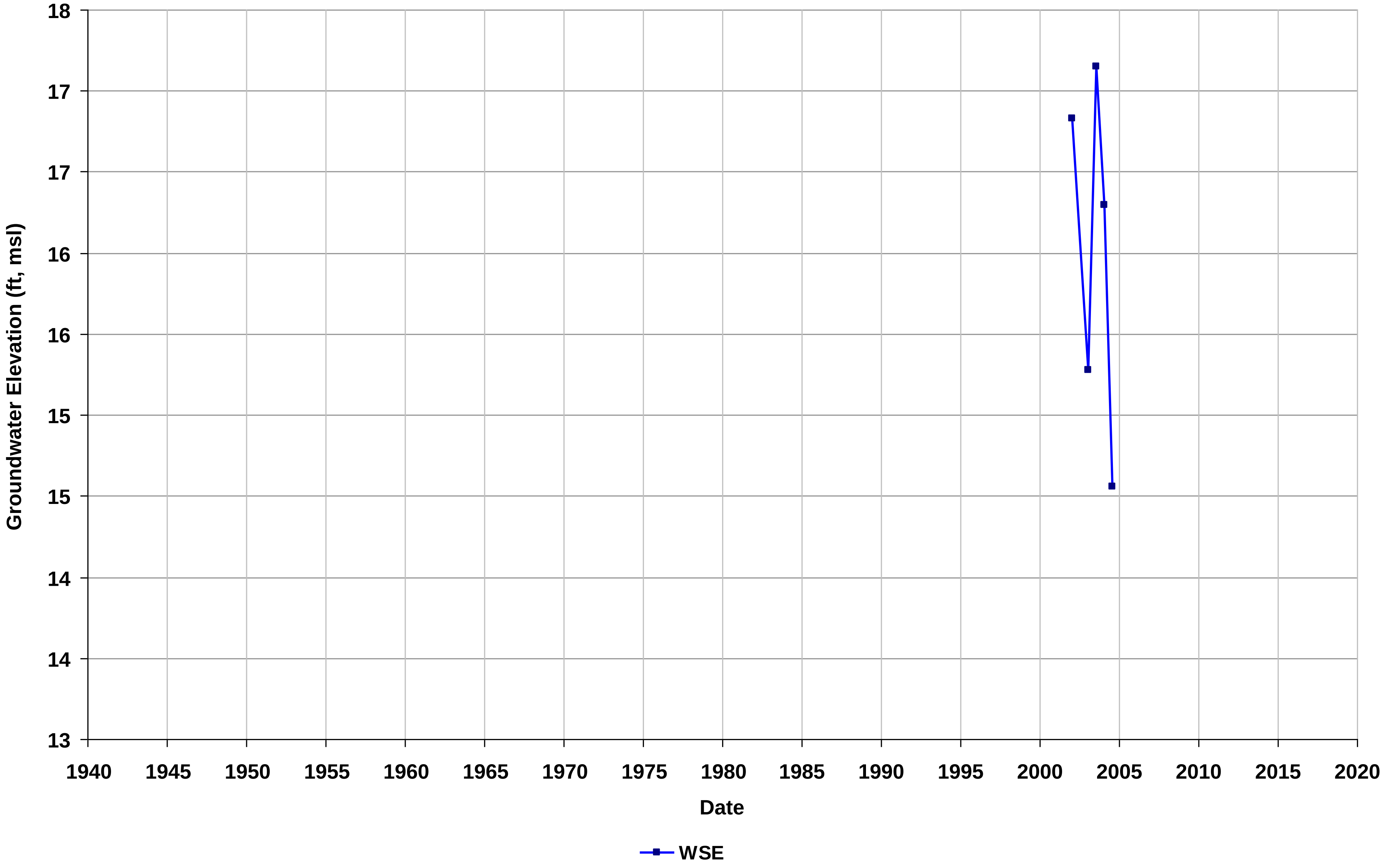
Well Name: T0600101233-S-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/18
Well Use: Observation



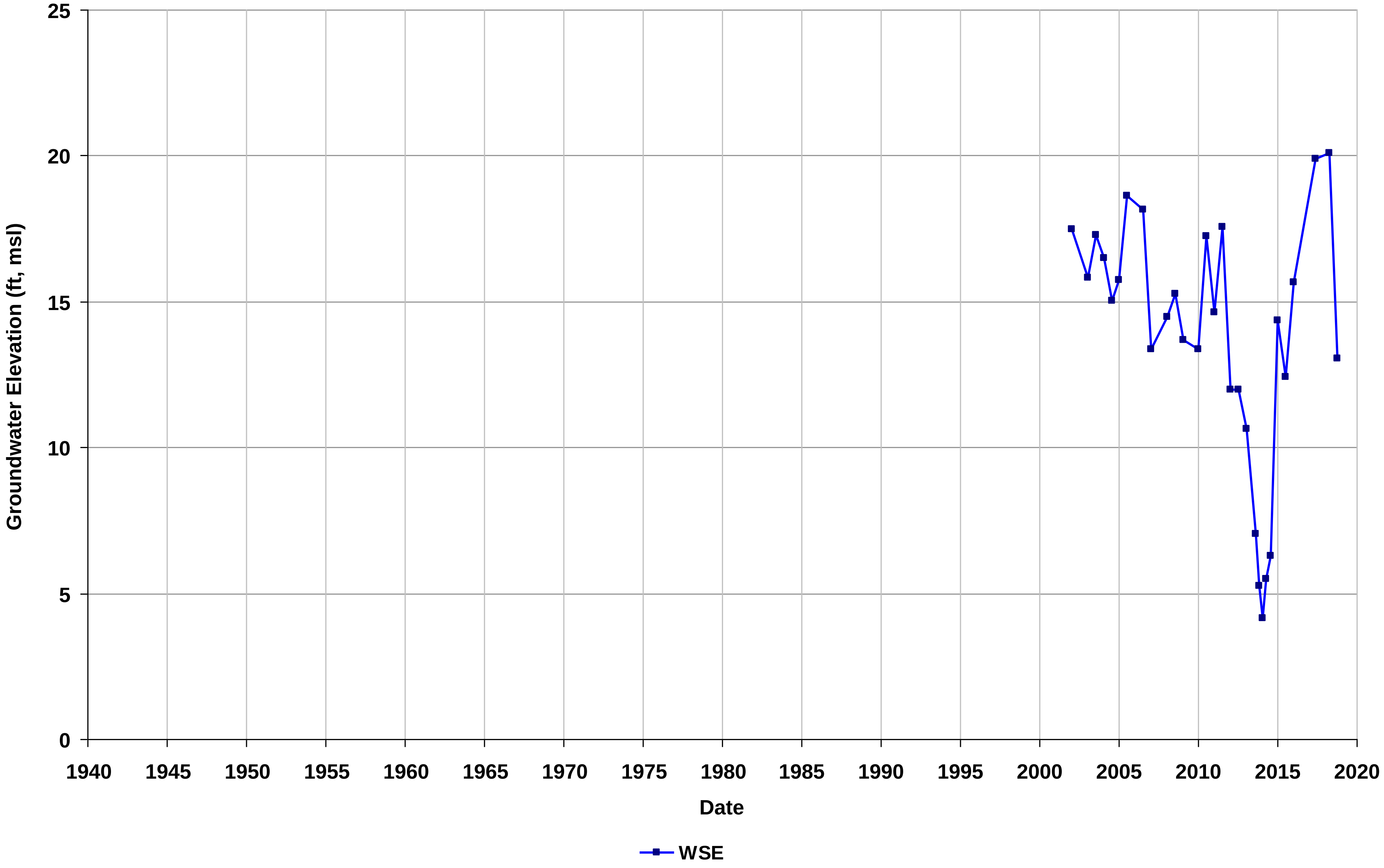
Well Name: T0600101233-S-10
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/18
Well Use: Observation



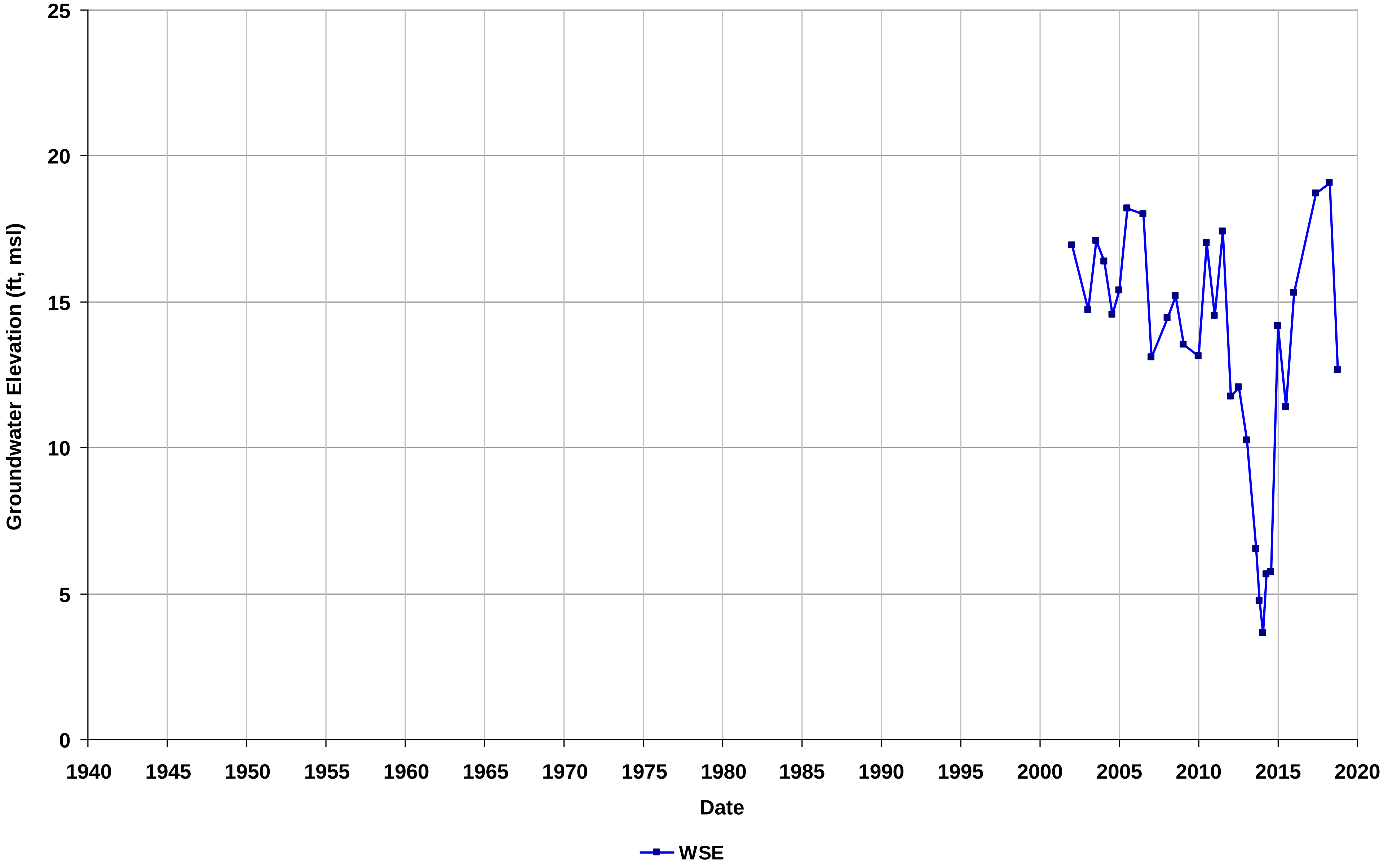
Well Name: T0600101233-S-12
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/18
Well Use: Observation



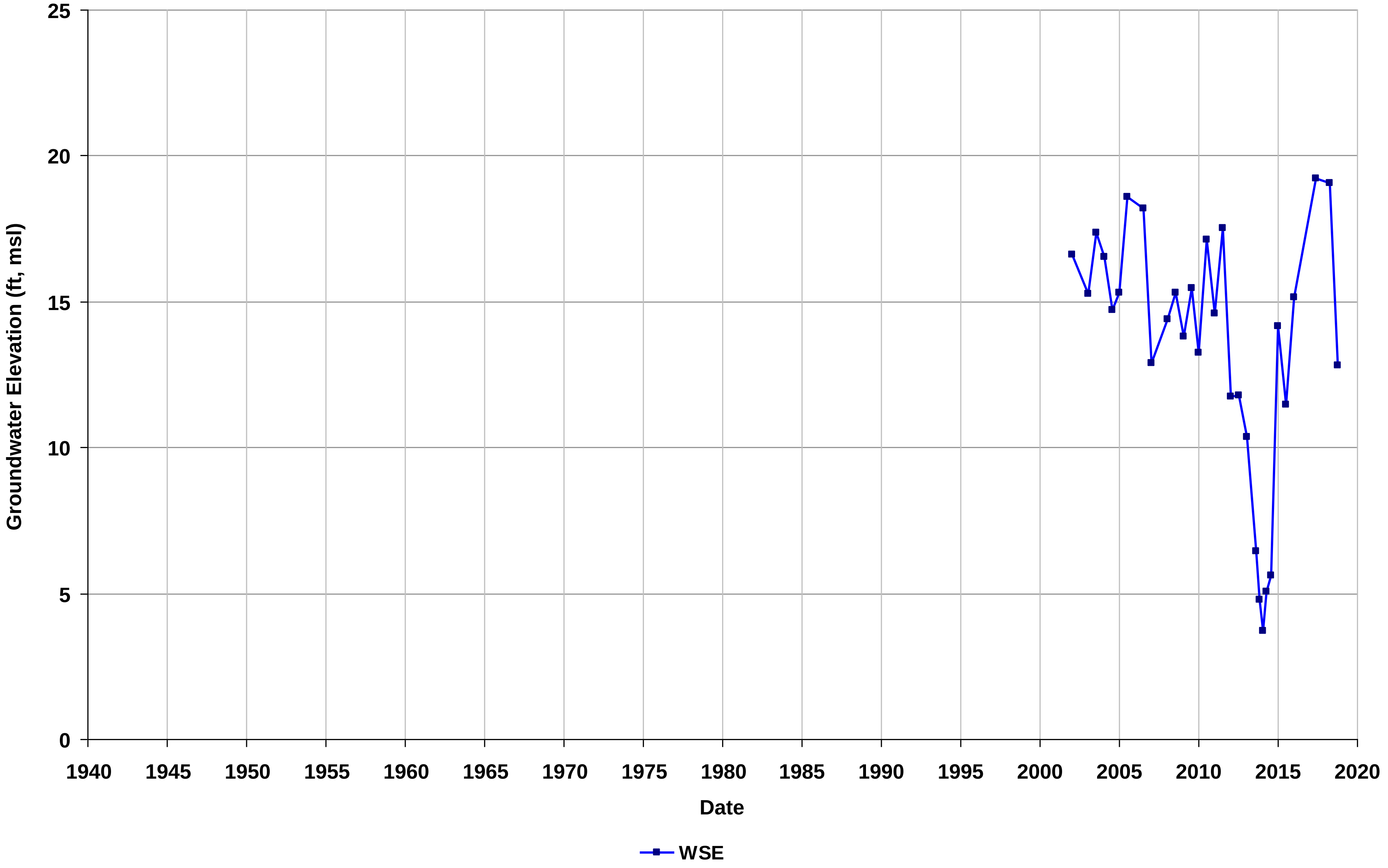
Well Name: T0600101233-S-15
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/18
Well Use: Observation



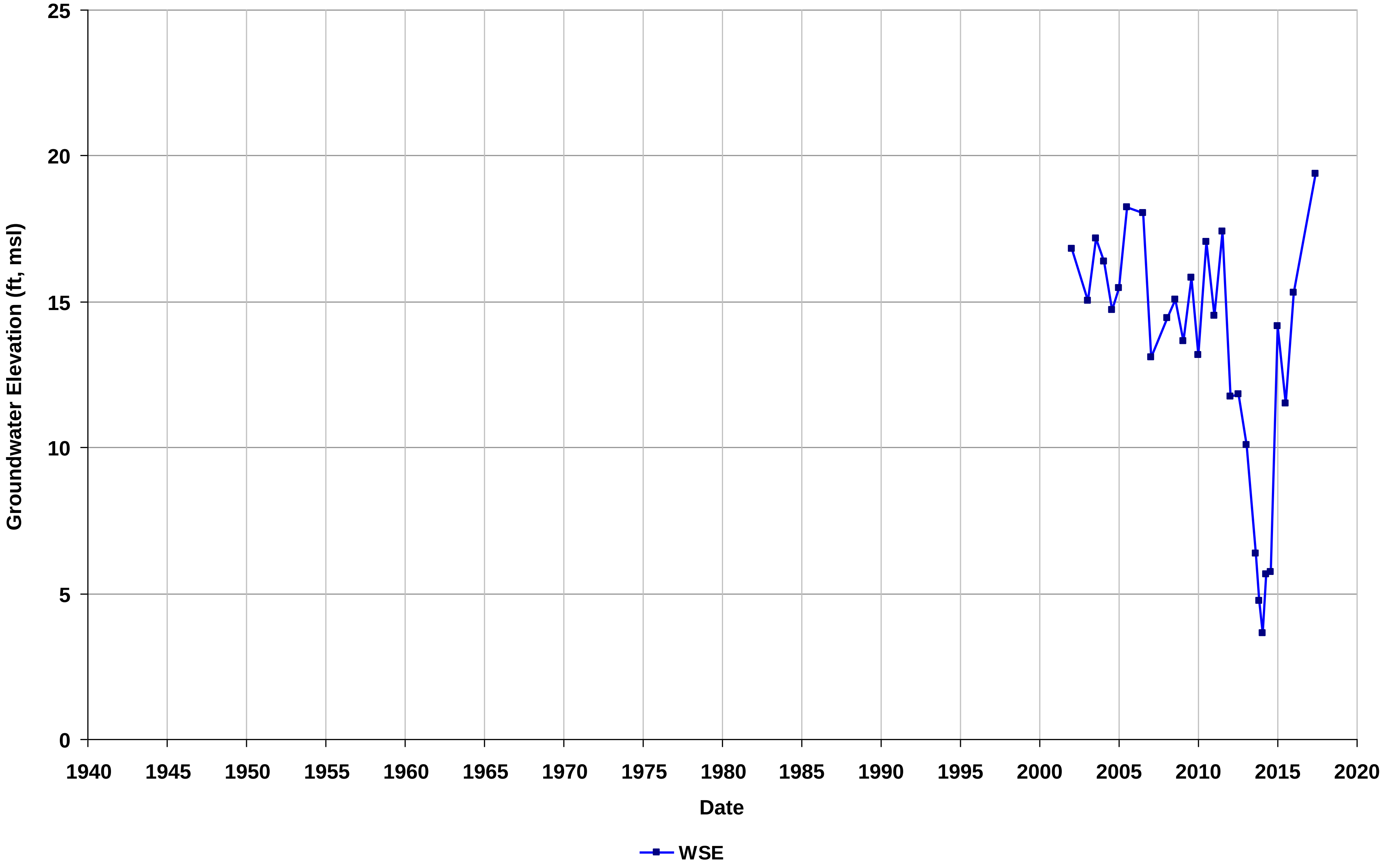
Well Name: T0600101233-S-16
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/18
Well Use: Observation



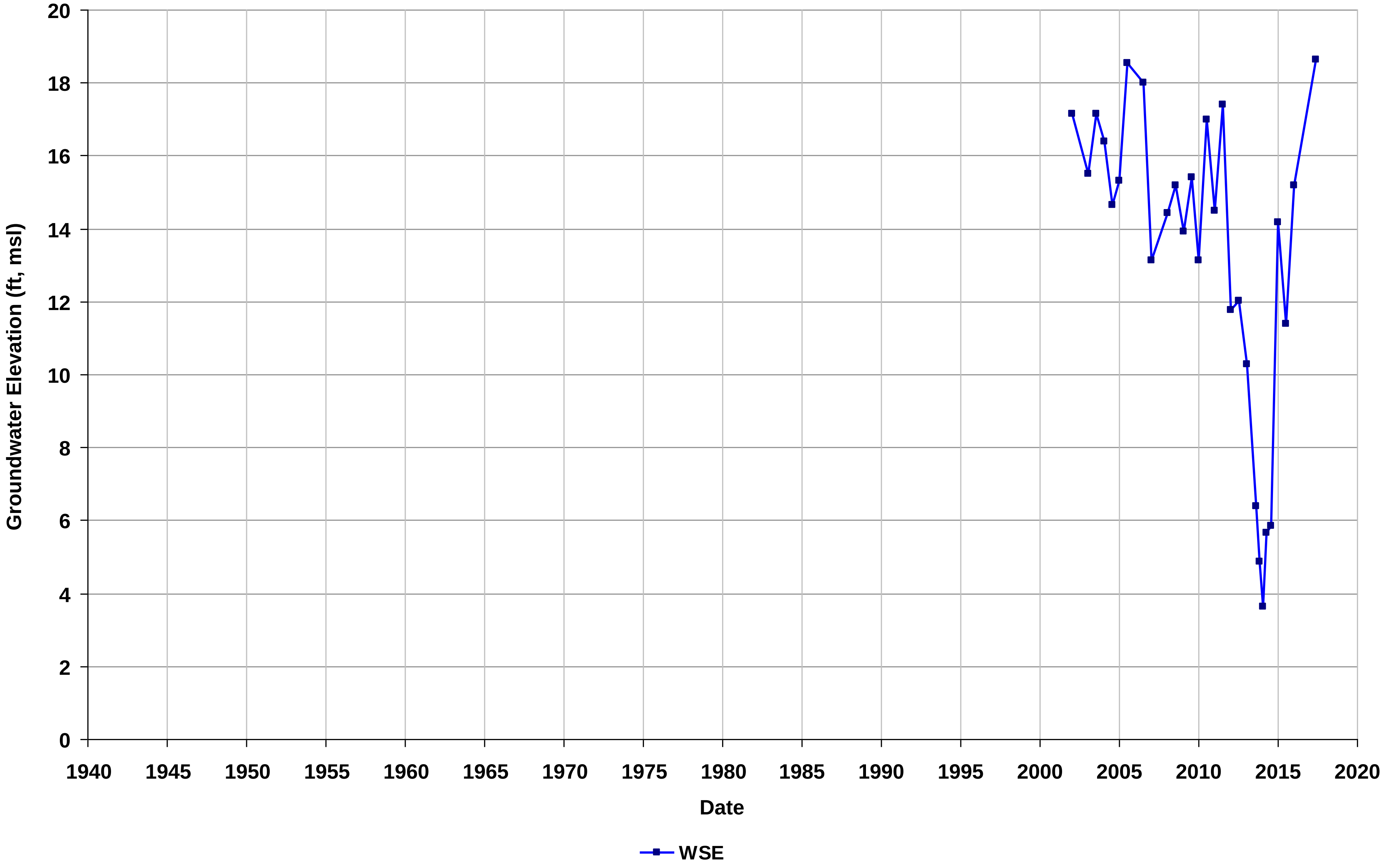
Well Name: T0600101233-S-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/18
Well Use: Observation



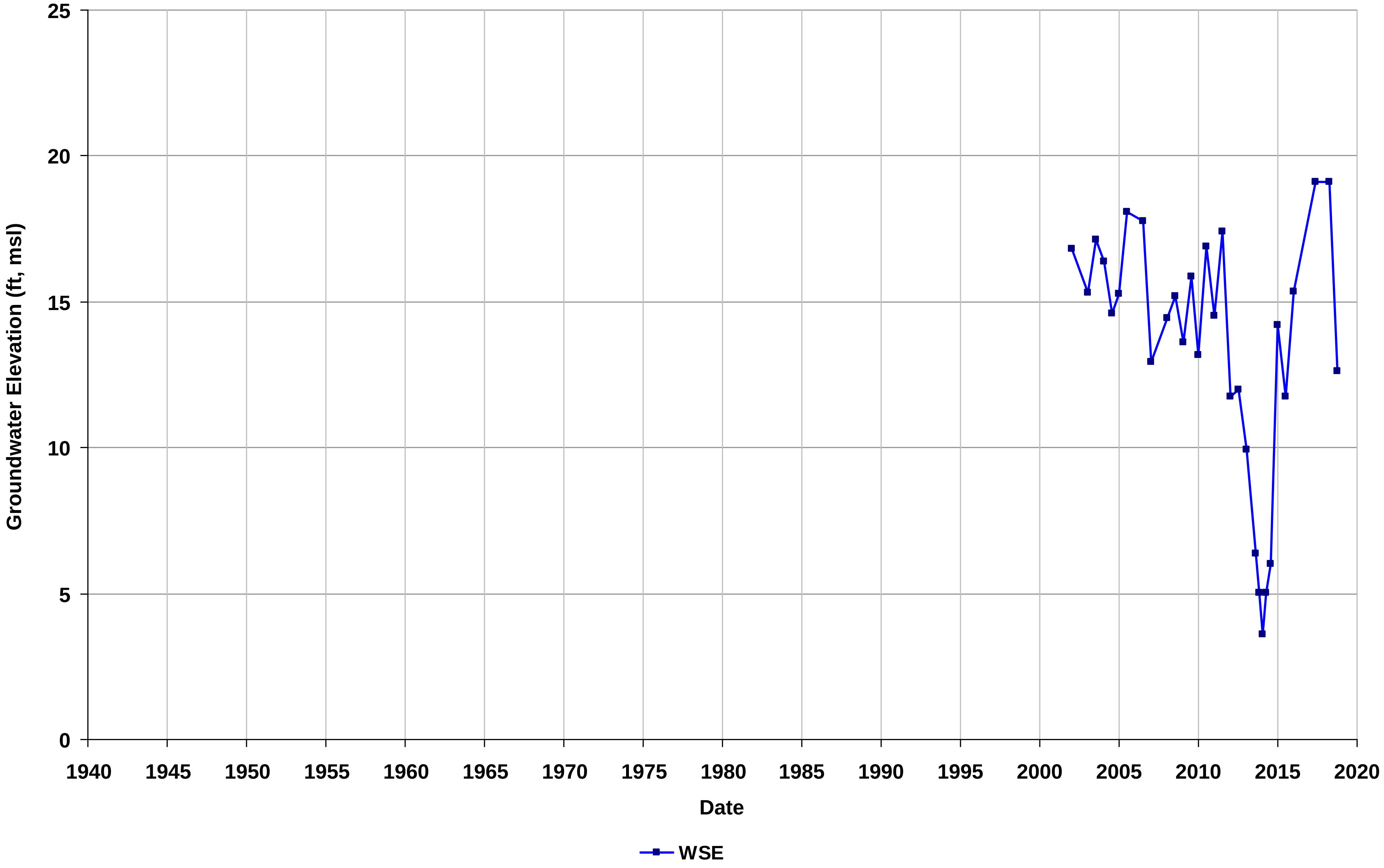
Well Name: T0600101233-S-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/18
Well Use: Observation



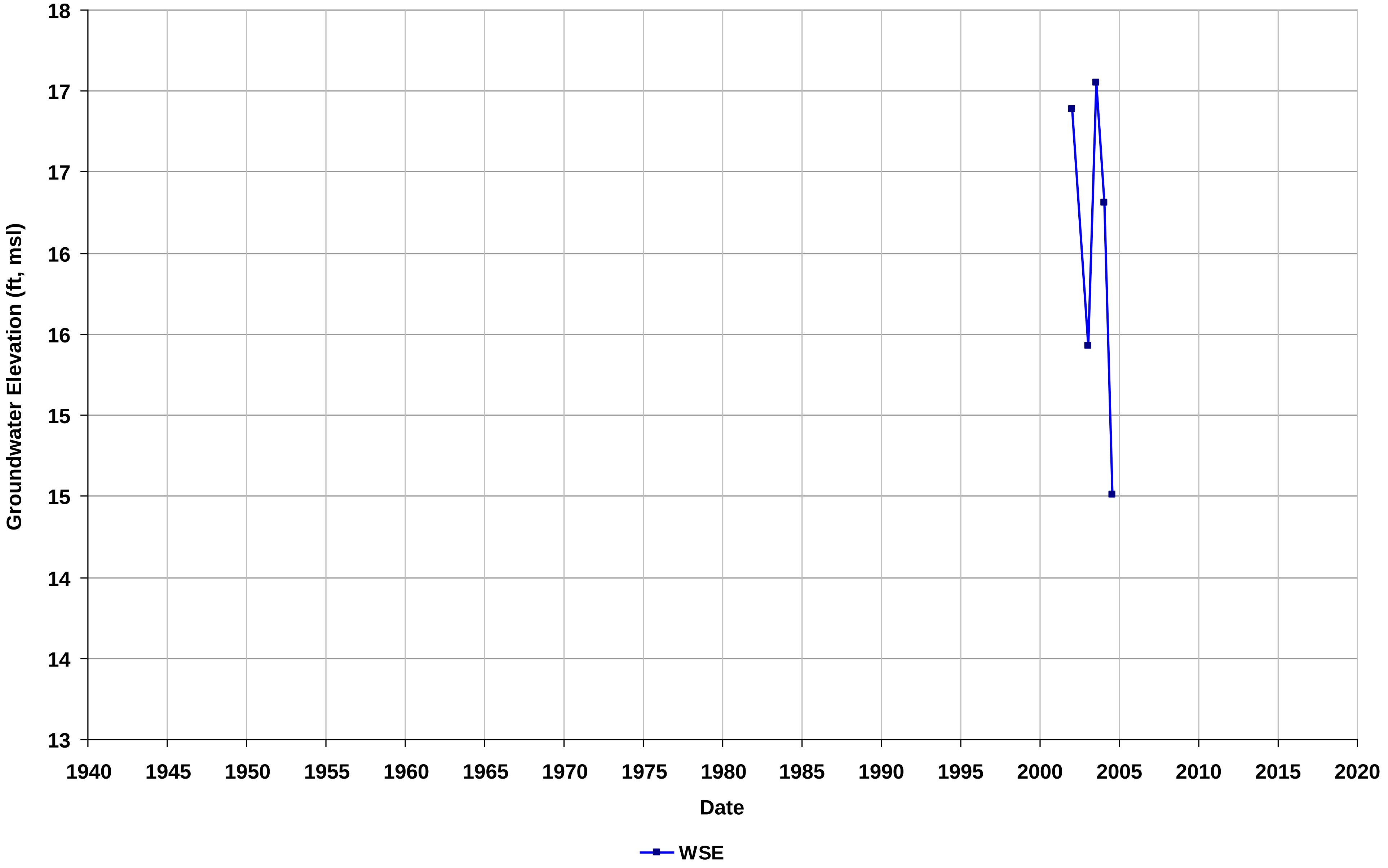
Well Name: T0600101233-S-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/18
Well Use: Observation



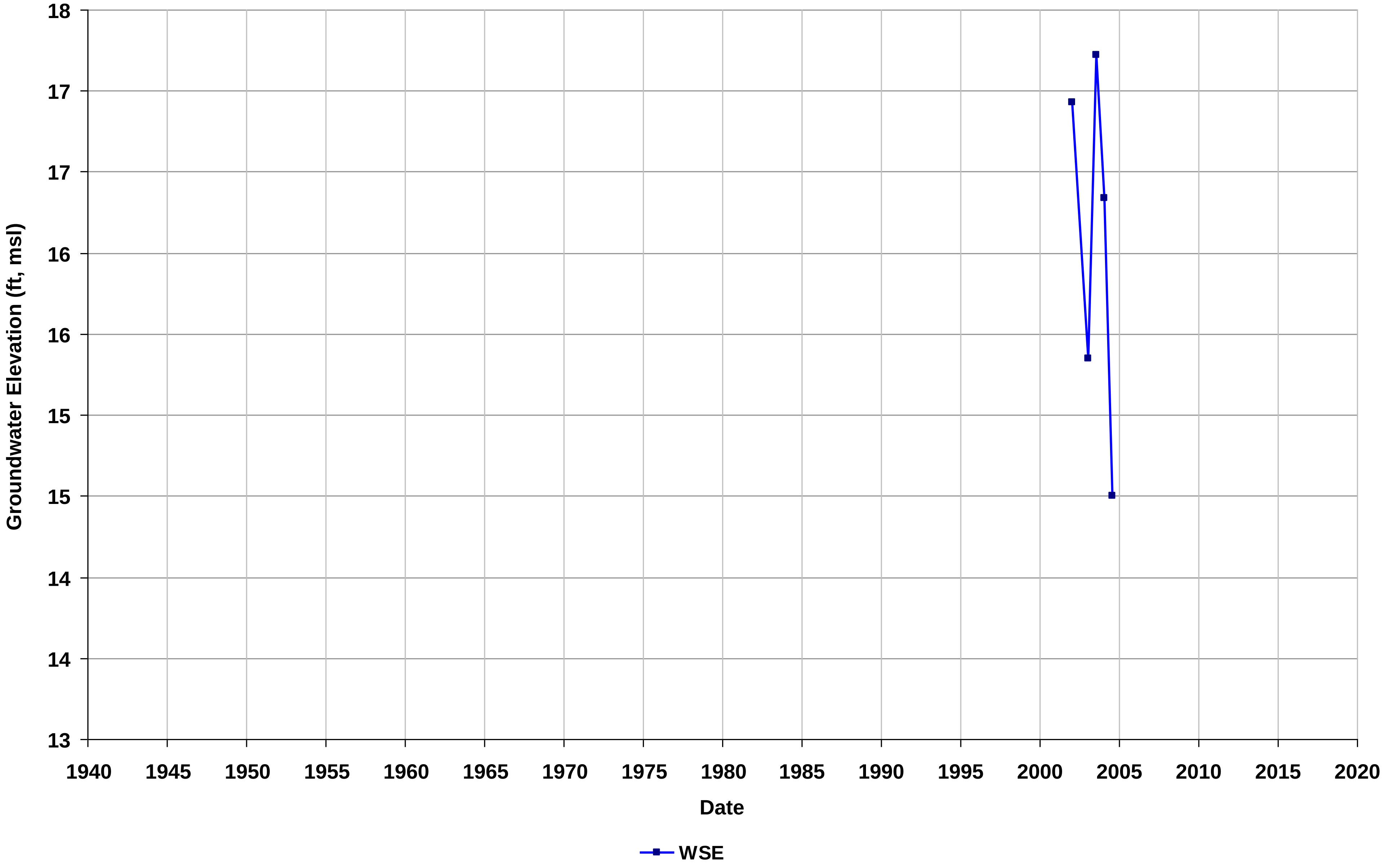
Well Name: T0600101233-S-5
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/18
Well Use: Observation



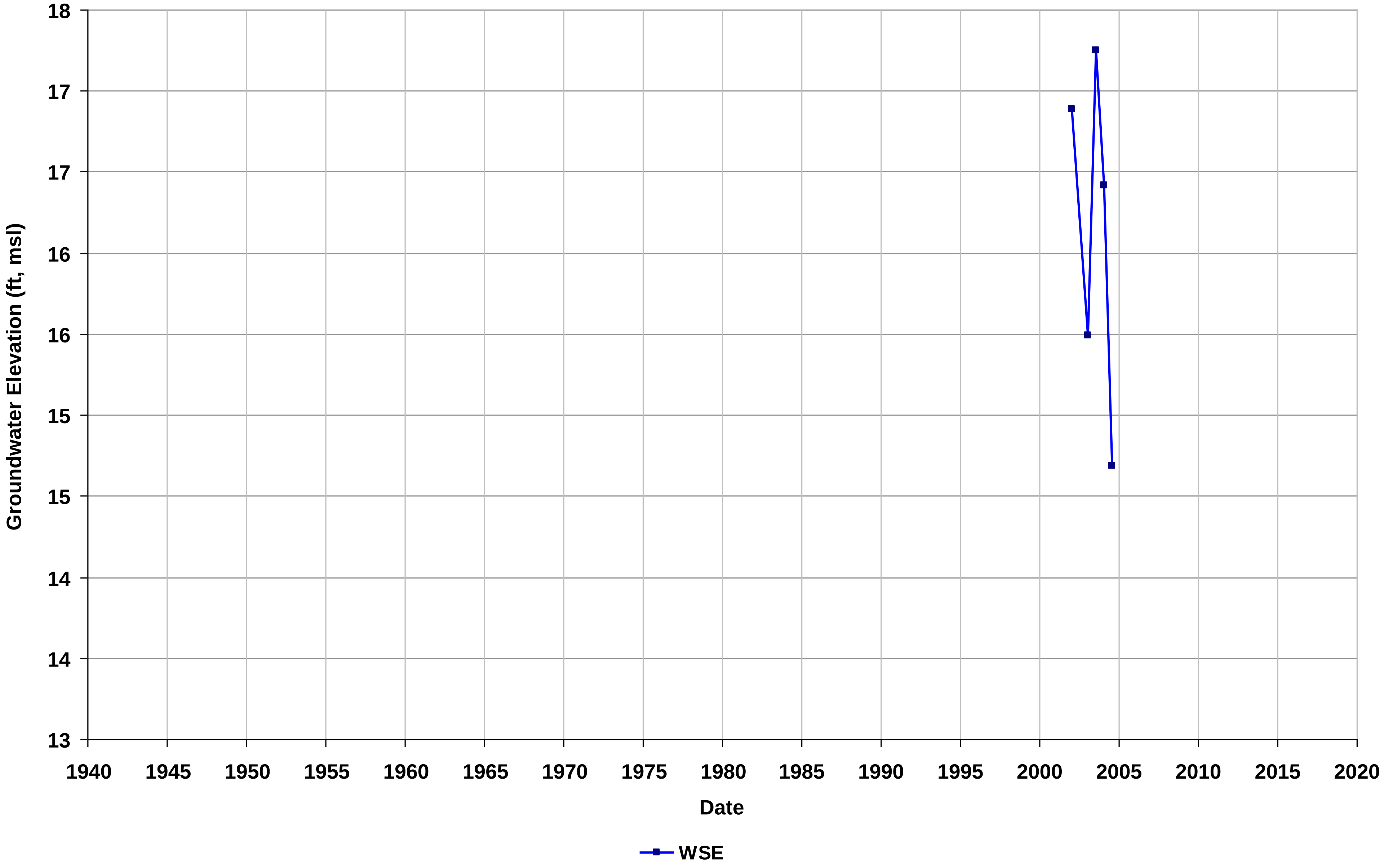
Well Name: T0600101233-S-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/18
Well Use: Observation



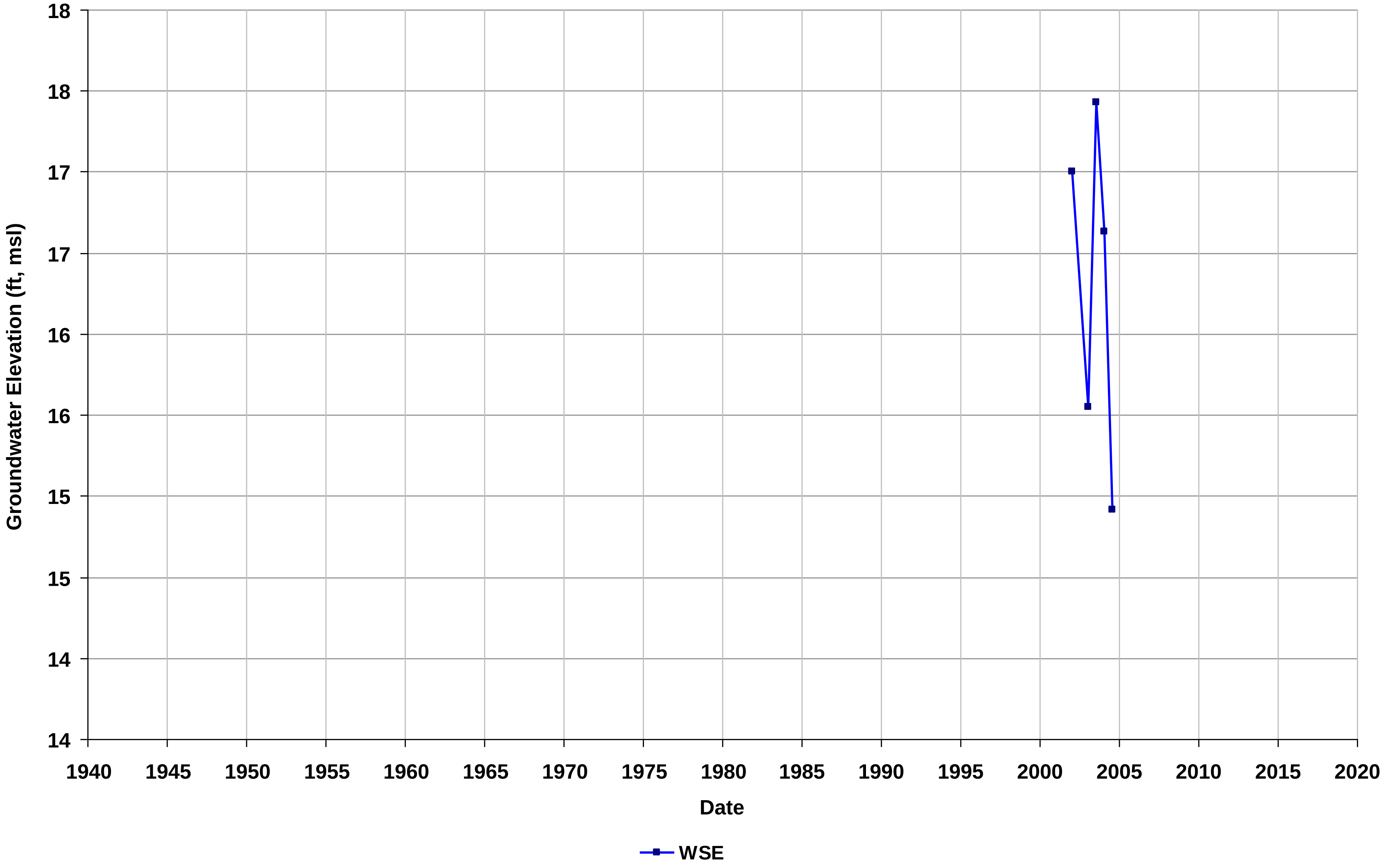
Well Name: T0600101233-S-7
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/18
Well Use: Observation



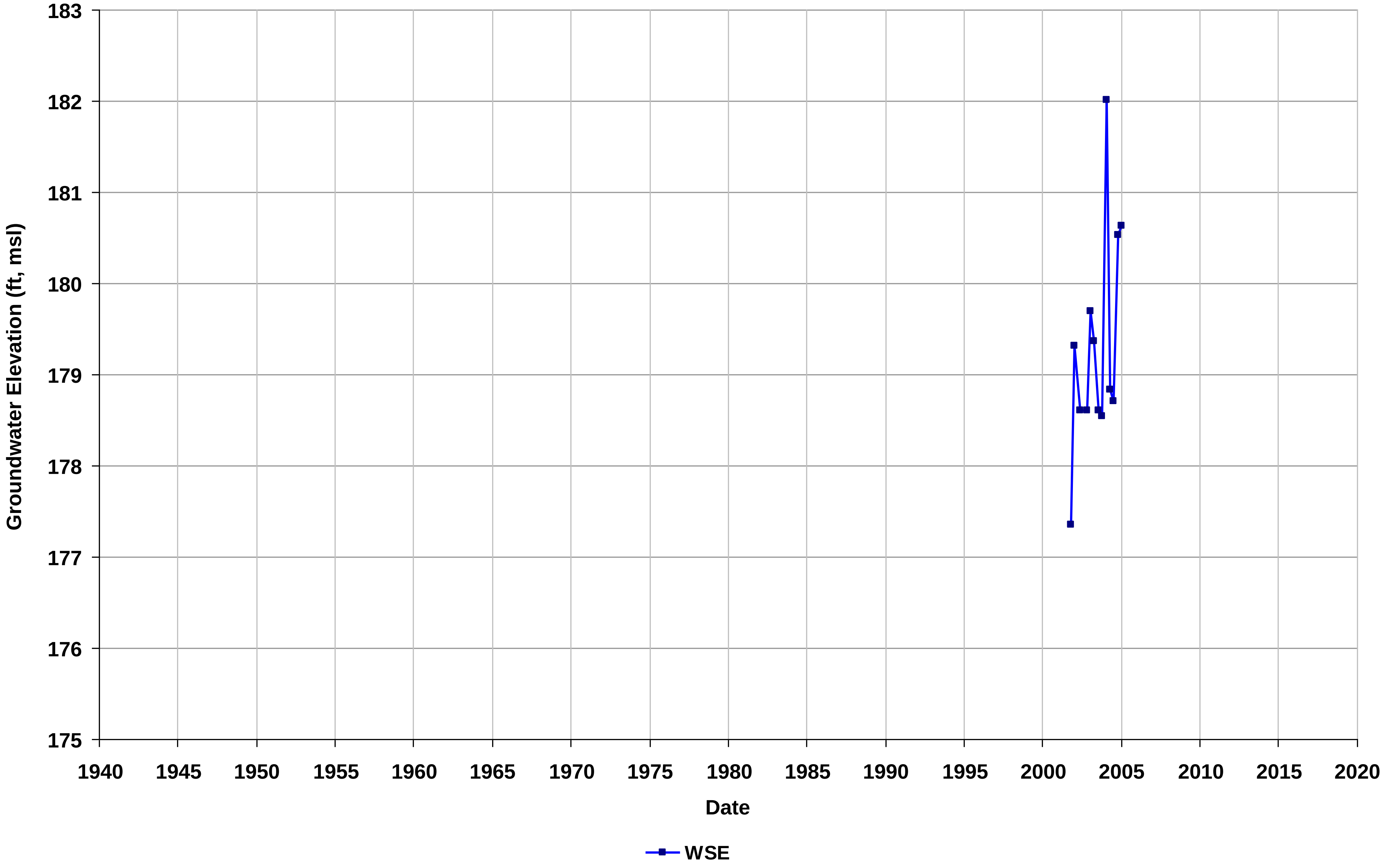
Well Name: T0600101233-S-8
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/18
Well Use: Observation



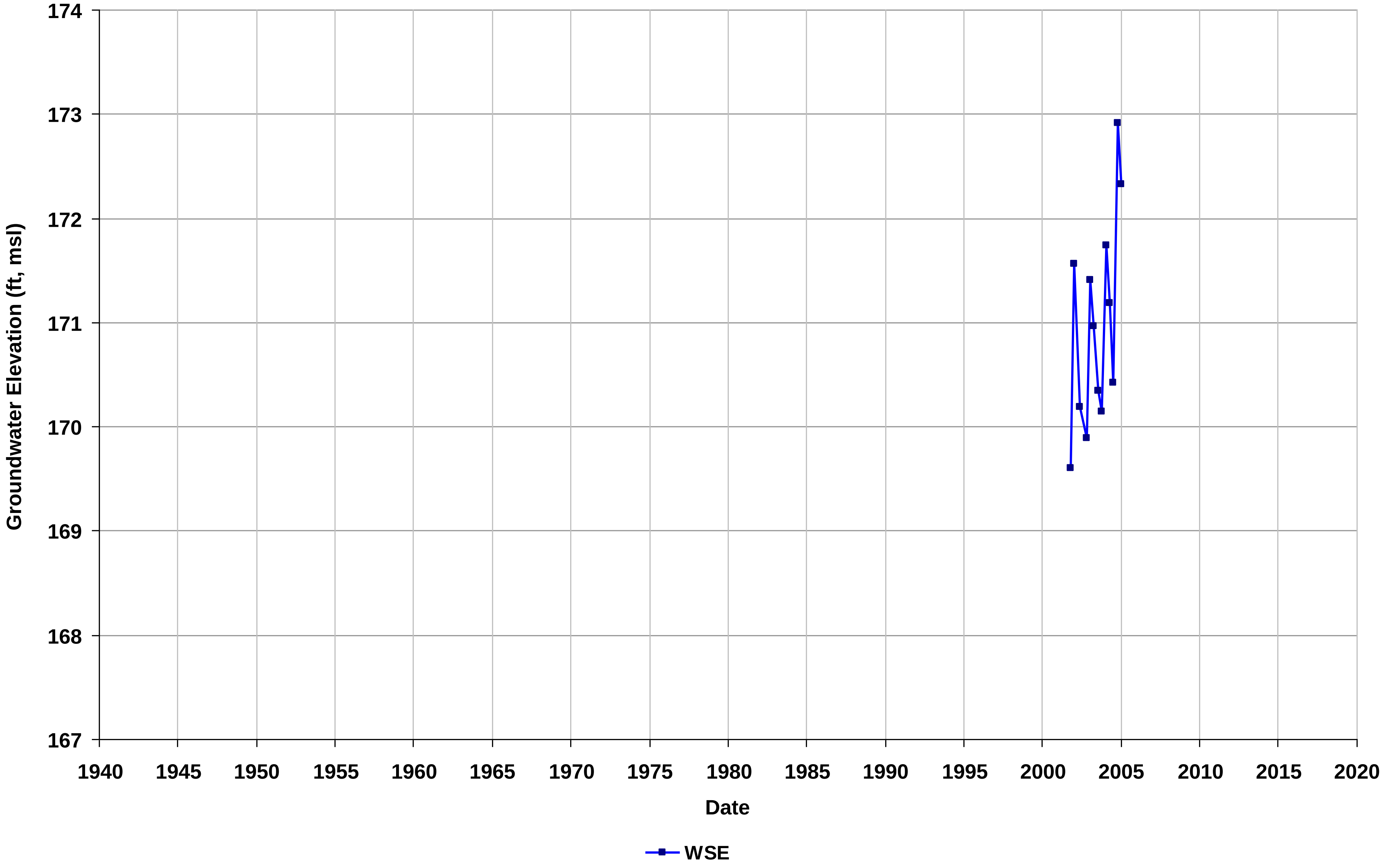
Well Name: T0600101238-MW-13
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/02
Well Use: Observation



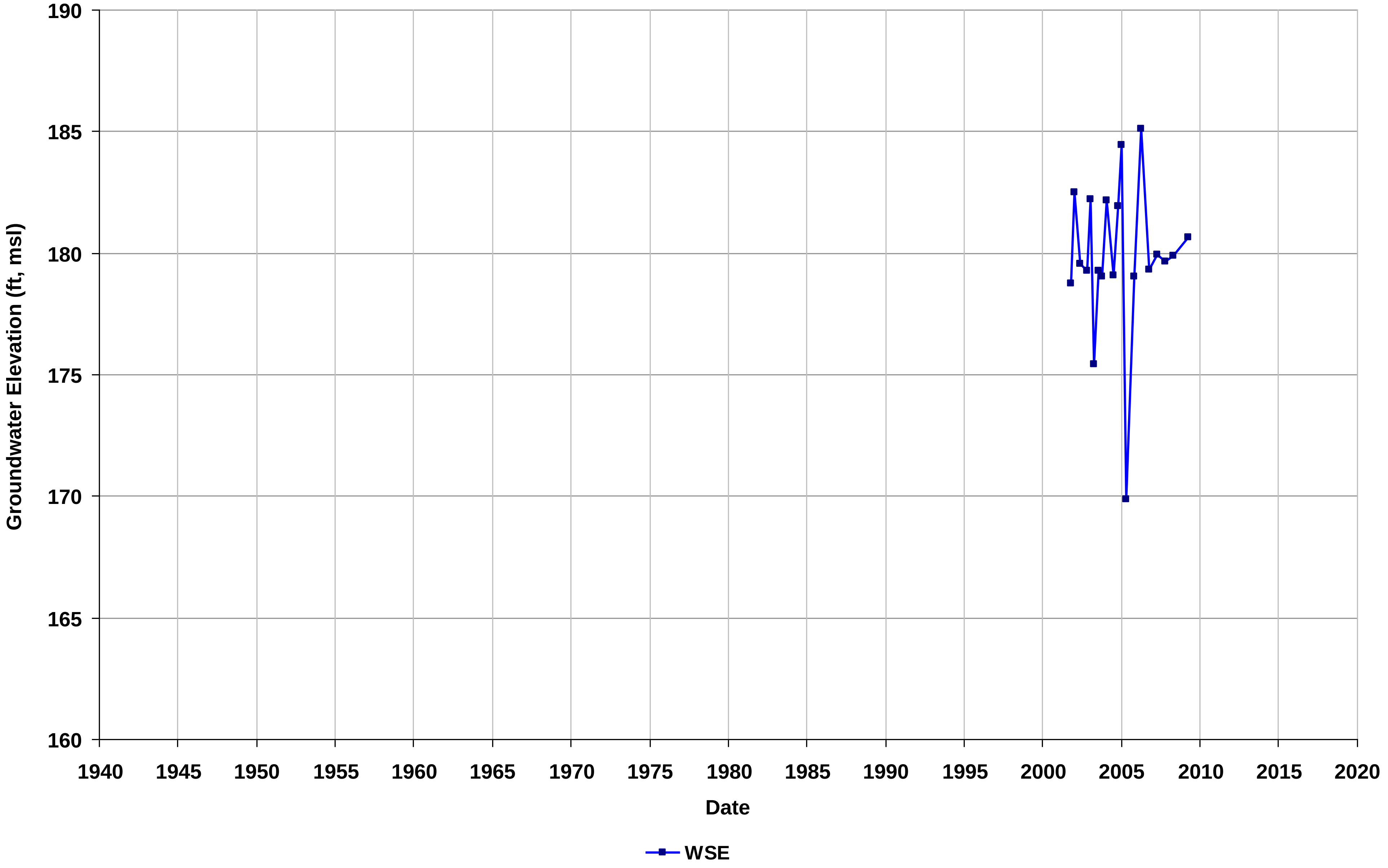
Well Name: T0600101238-MW-14
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/02
Well Use: Observation



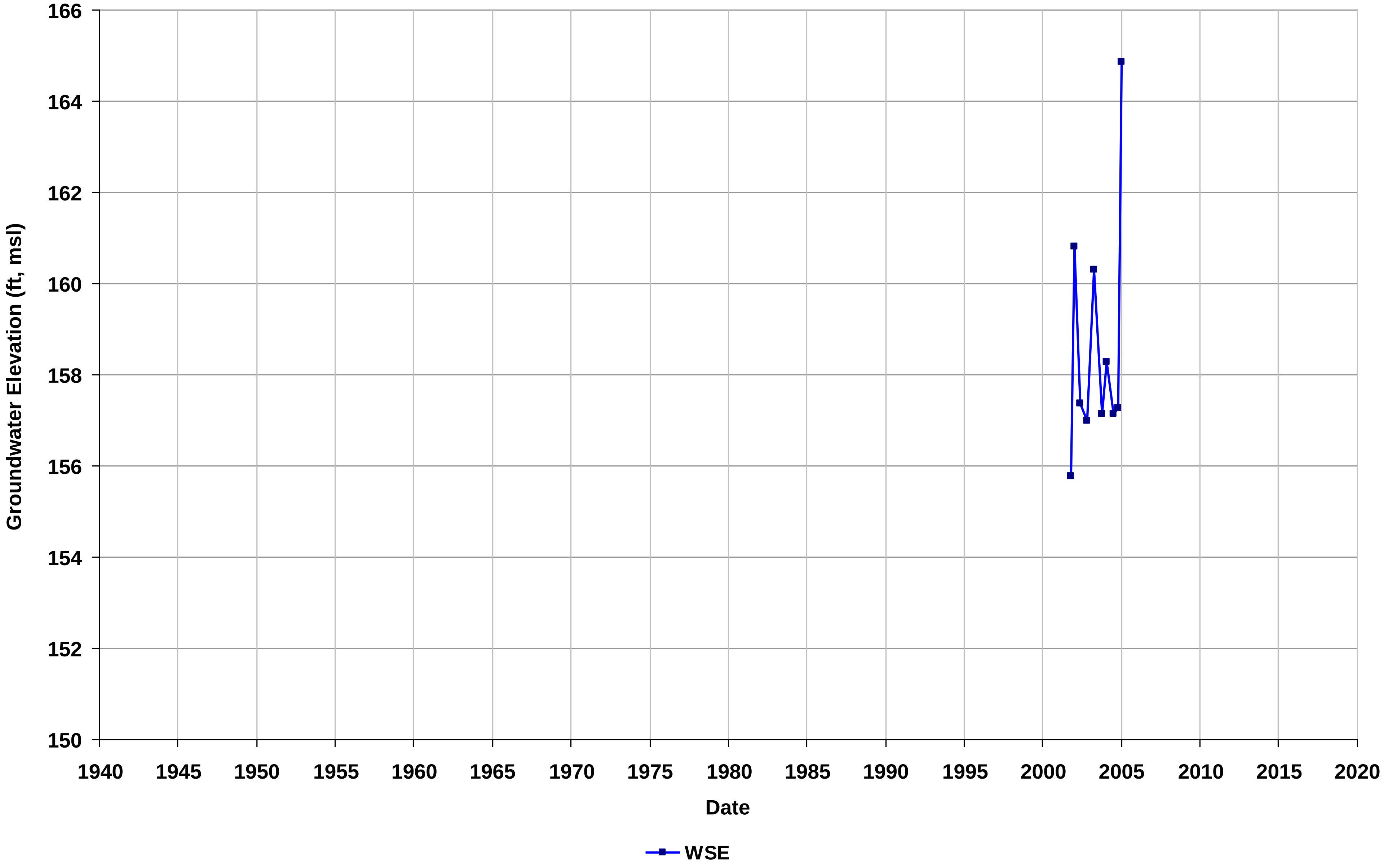
Well Name: T0600101238-MW-16
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/02
Well Use: Observation



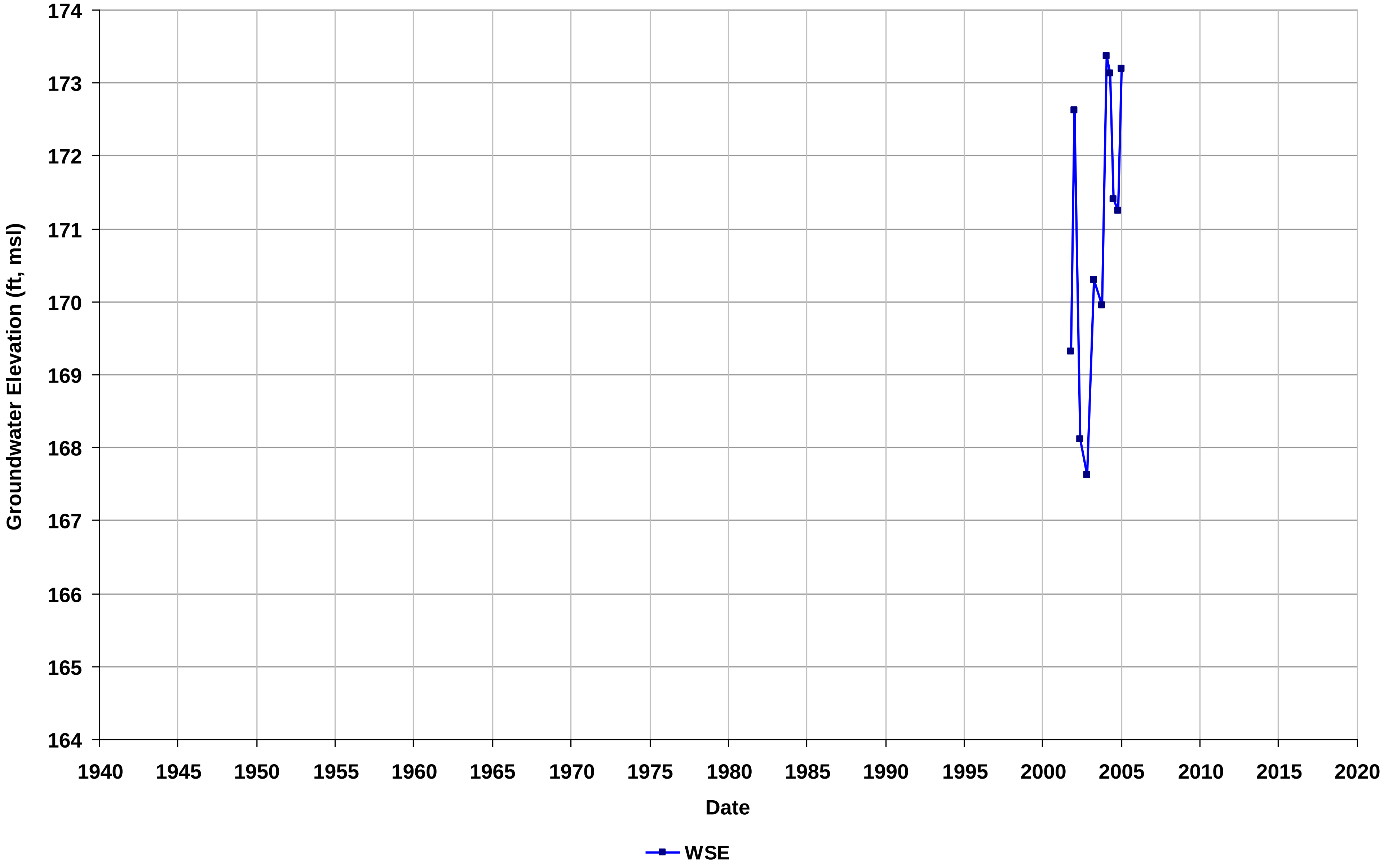
Well Name: T0600101238-MW-21
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/02
Well Use: Observation



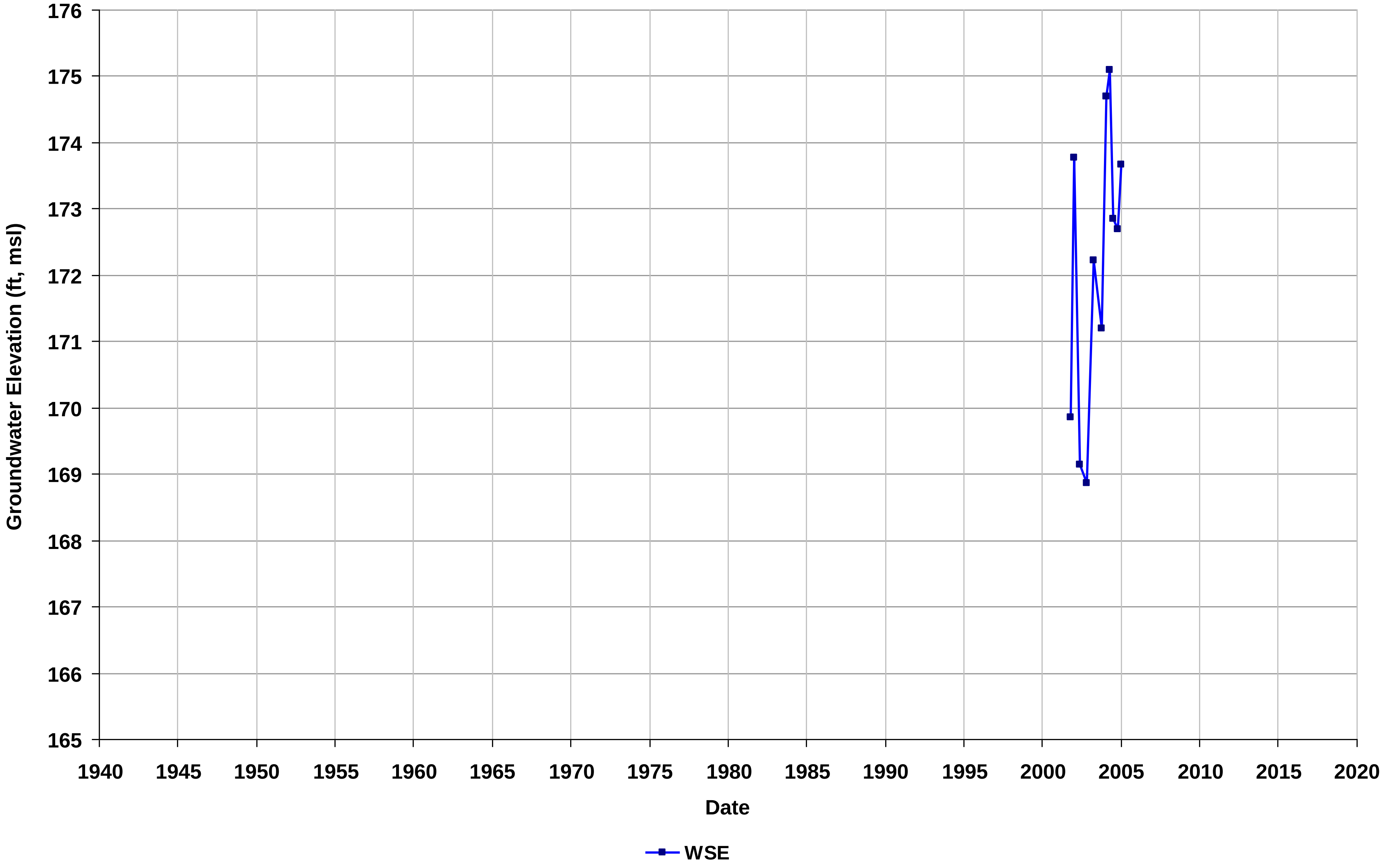
Well Name: T0600101238-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/02
Well Use: Observation



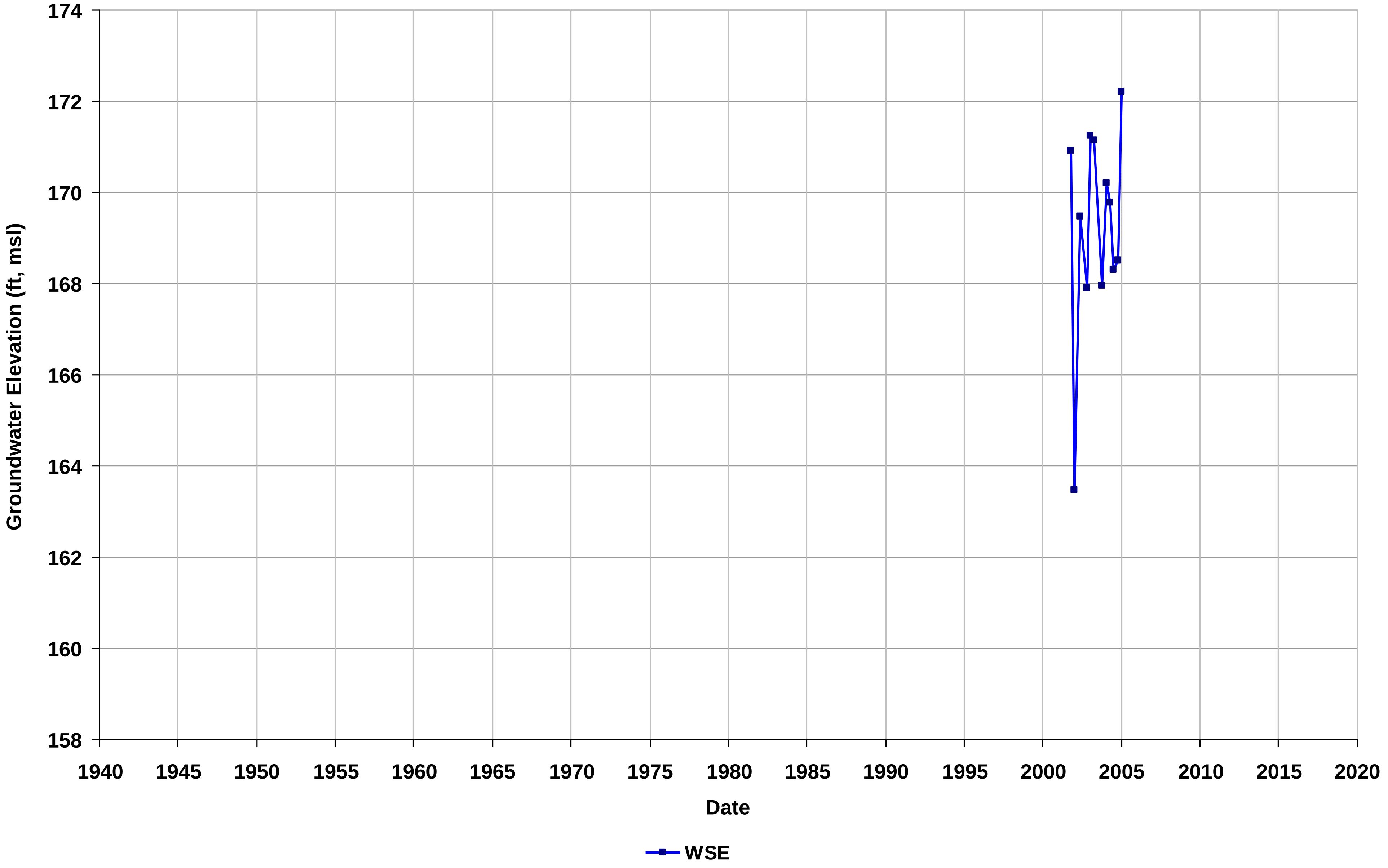
Well Name: T0600101238-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/02
Well Use: Observation



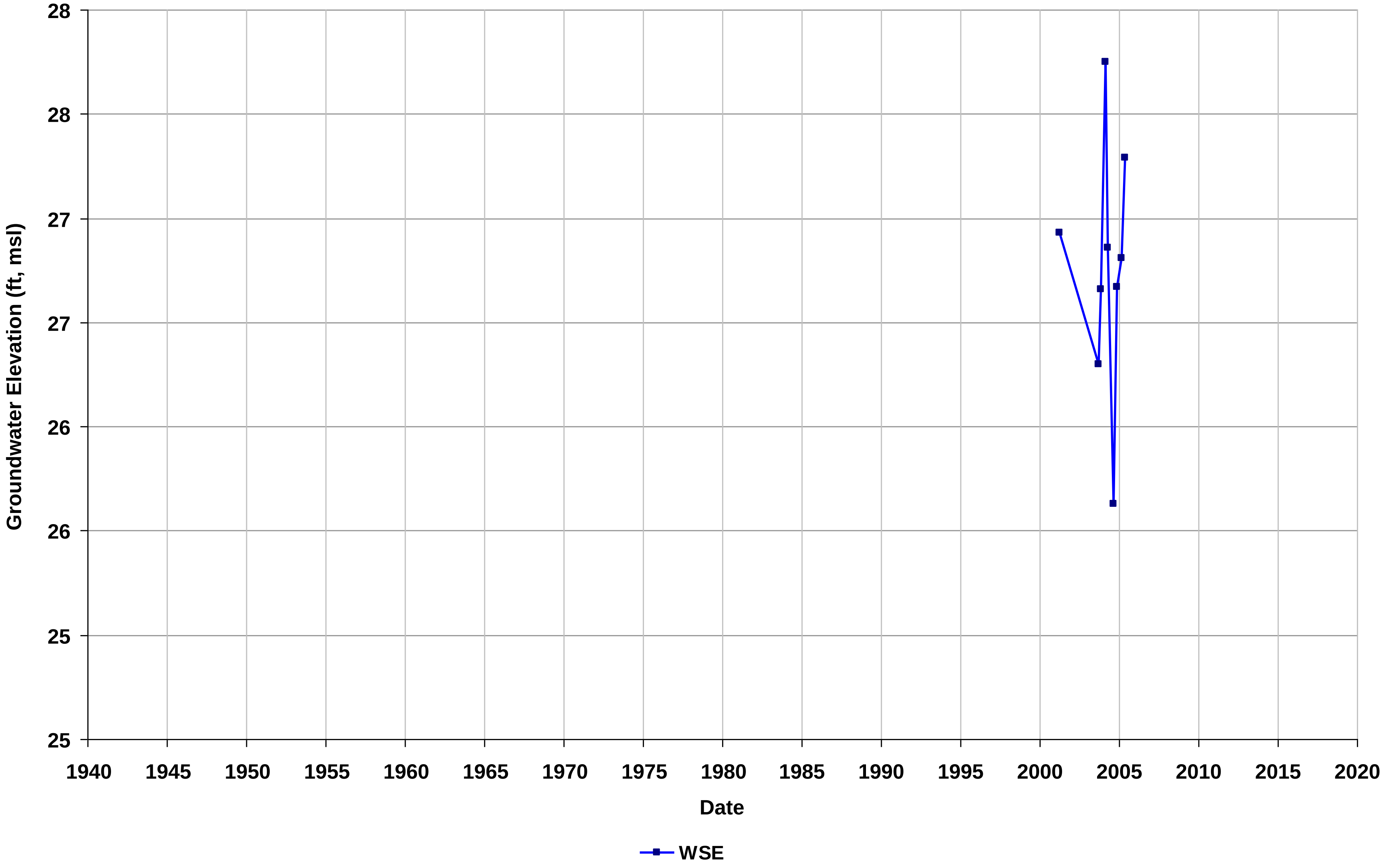
Well Name: T0600101238-MW-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/02
Well Use: Observation



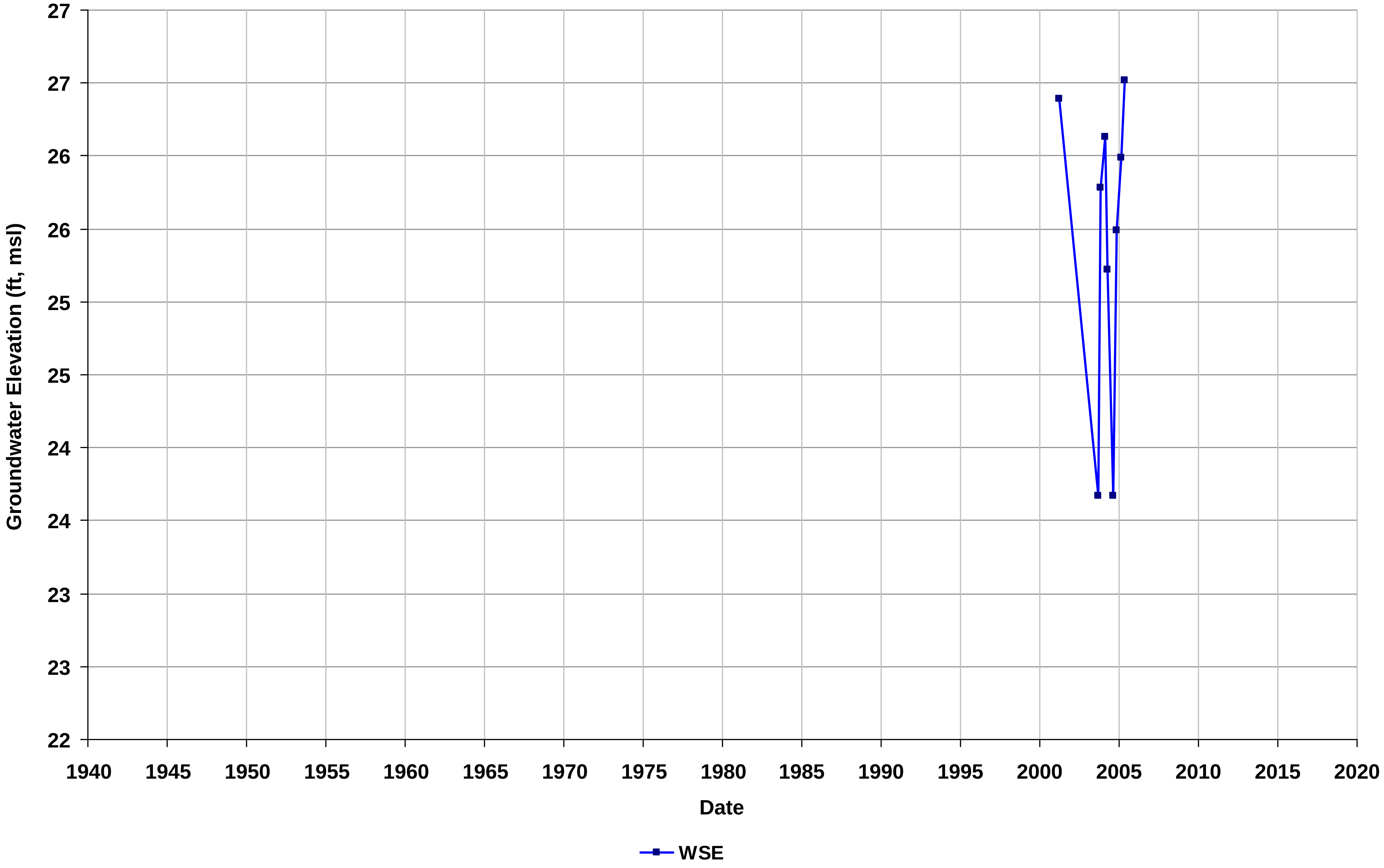
Well Name: T0600101244-S-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/26
Well Use: Observation



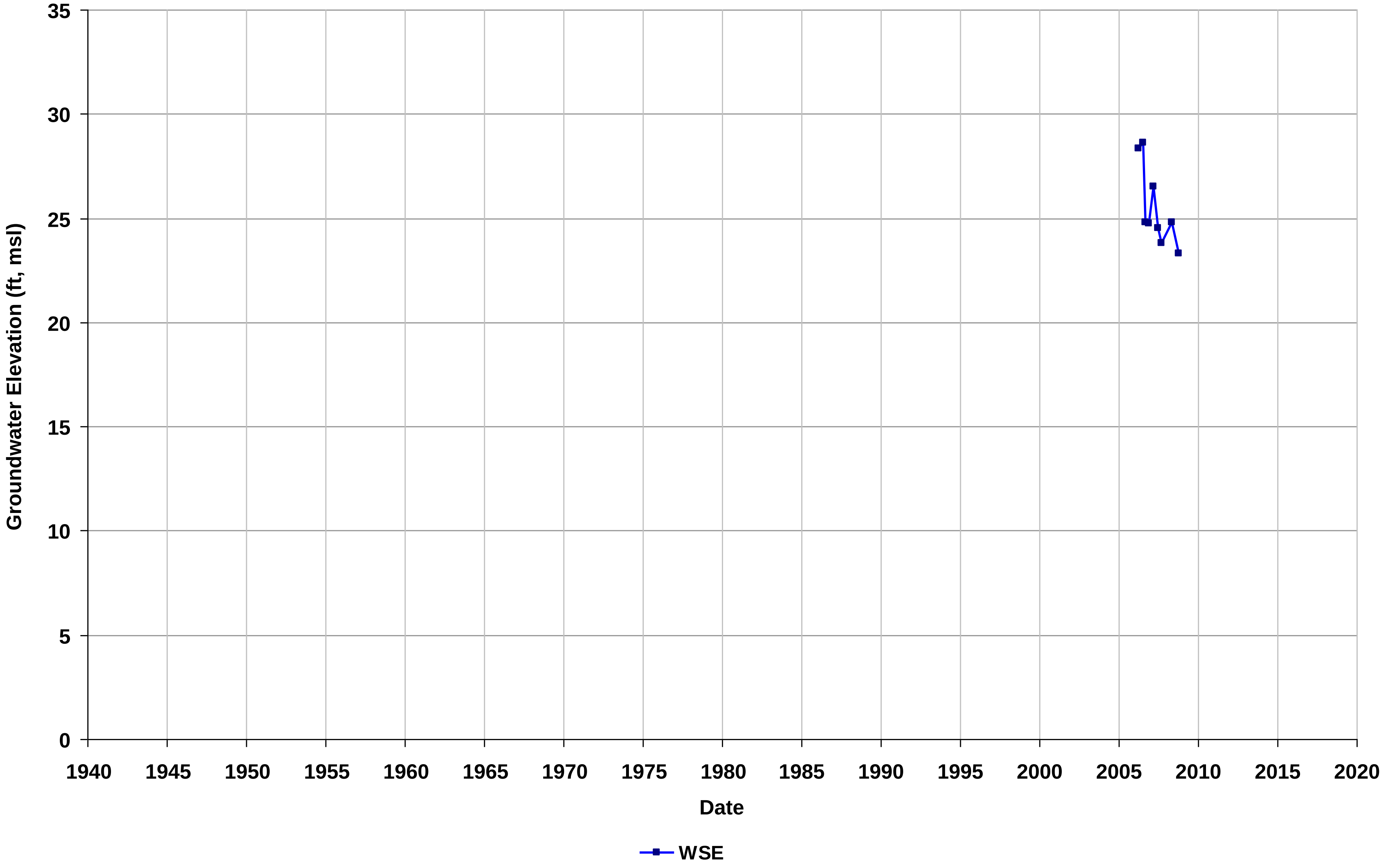
Well Name: T0600101244-S-10
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/26
Well Use: Observation



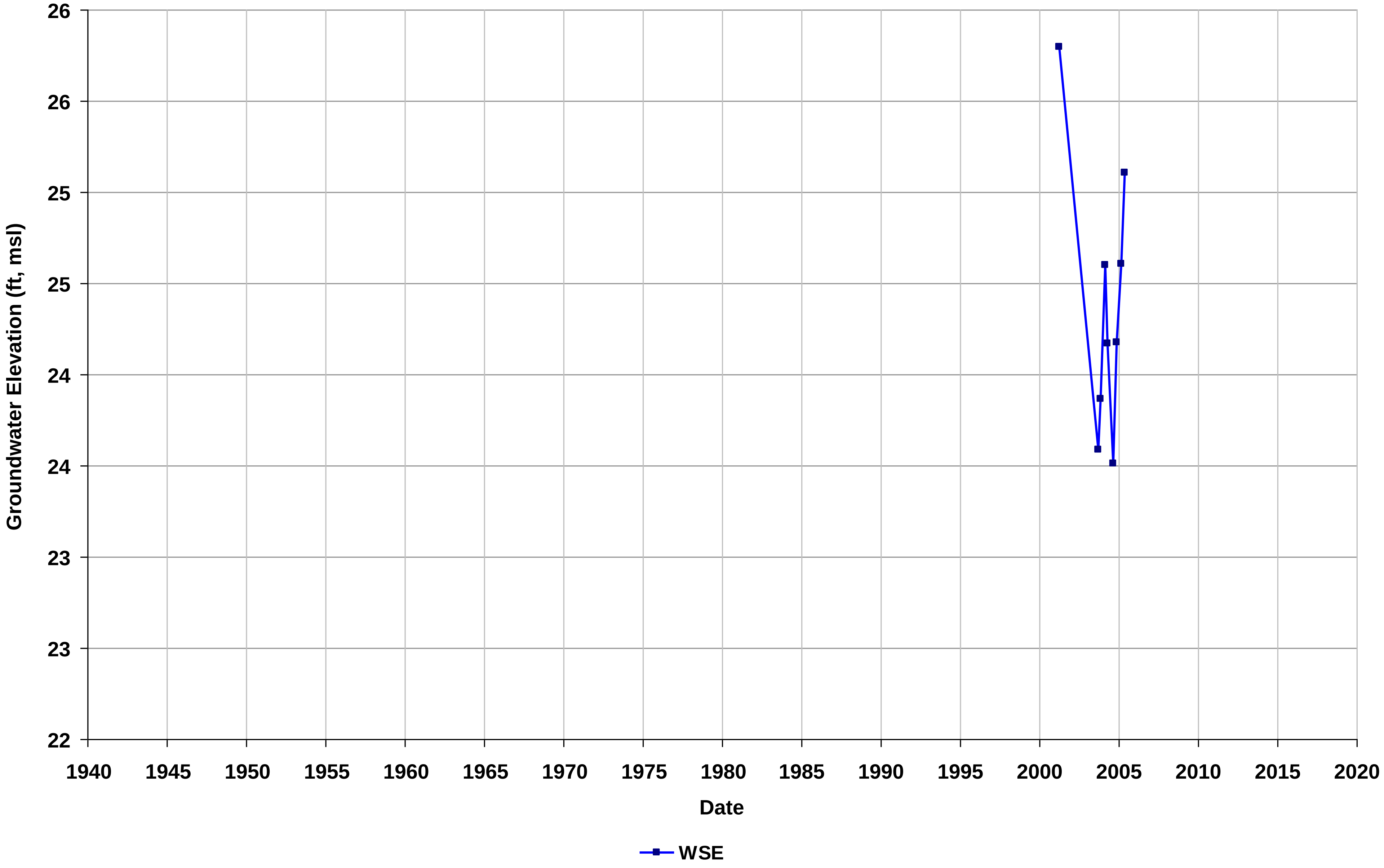
Well Name: T0600101244-S-3R
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/26
Well Use: Observation



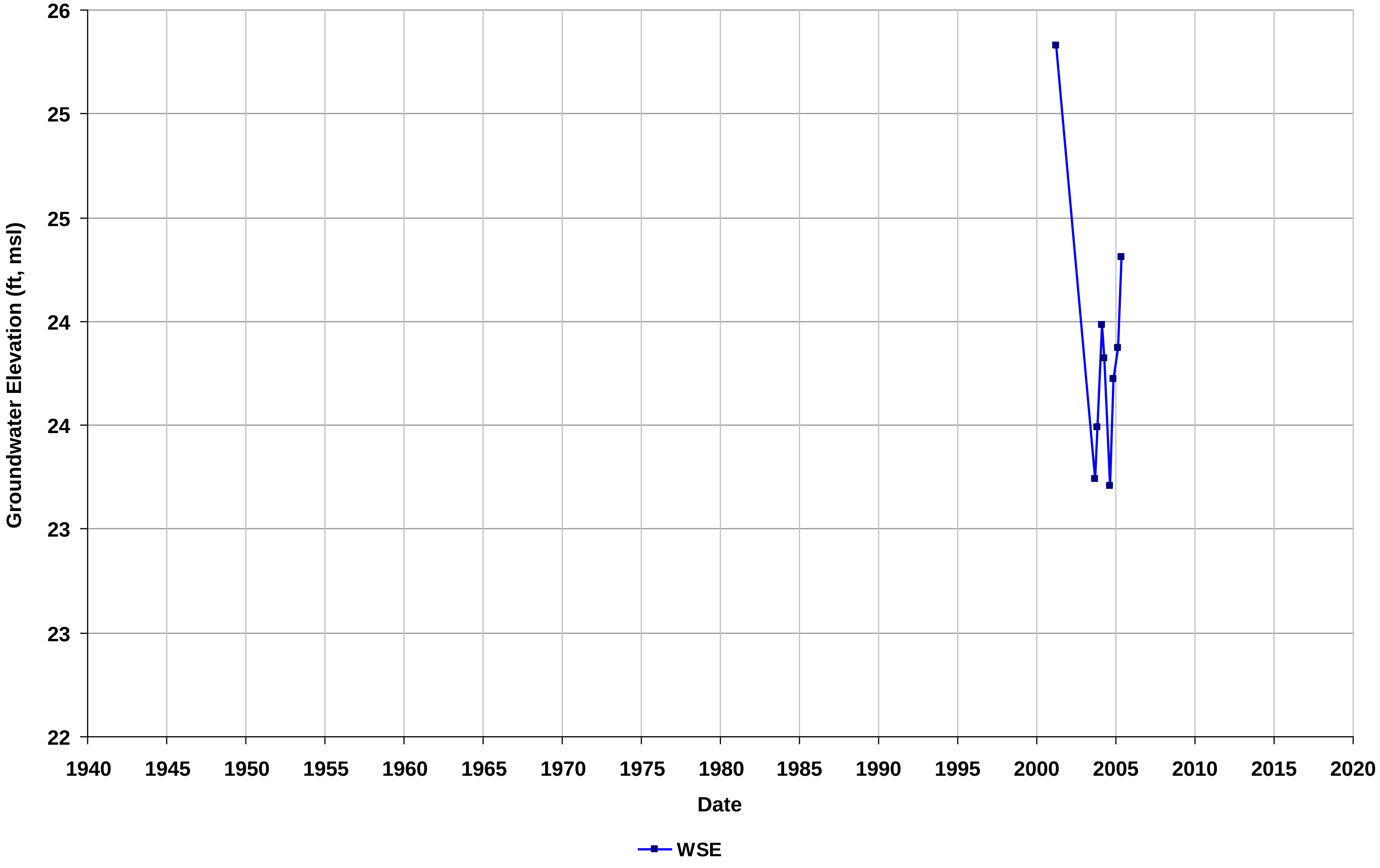
Well Name: T0600101244-S-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/26
Well Use: Observation



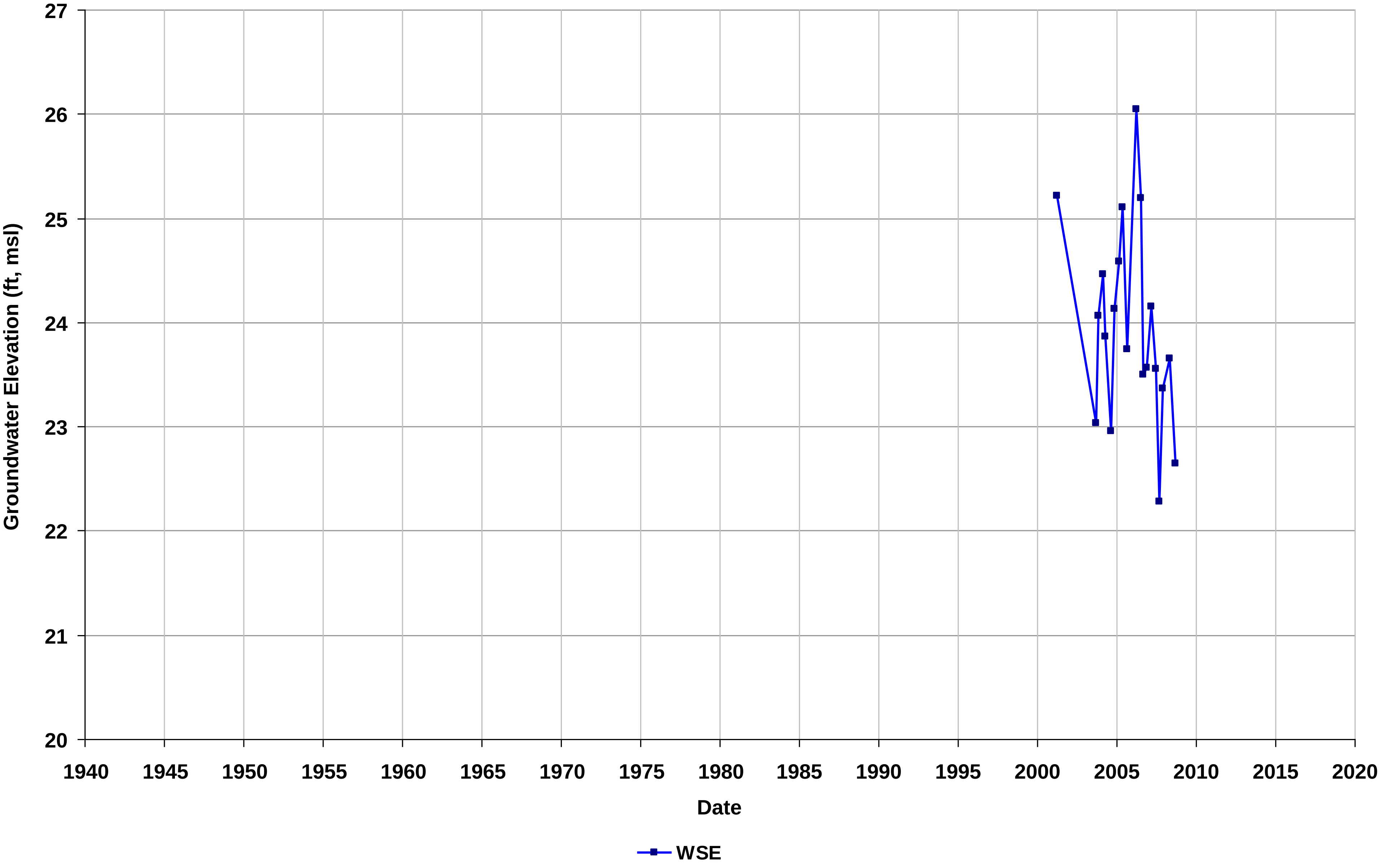
Well Name: T0600101244-S-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/26
Well Use: Observation



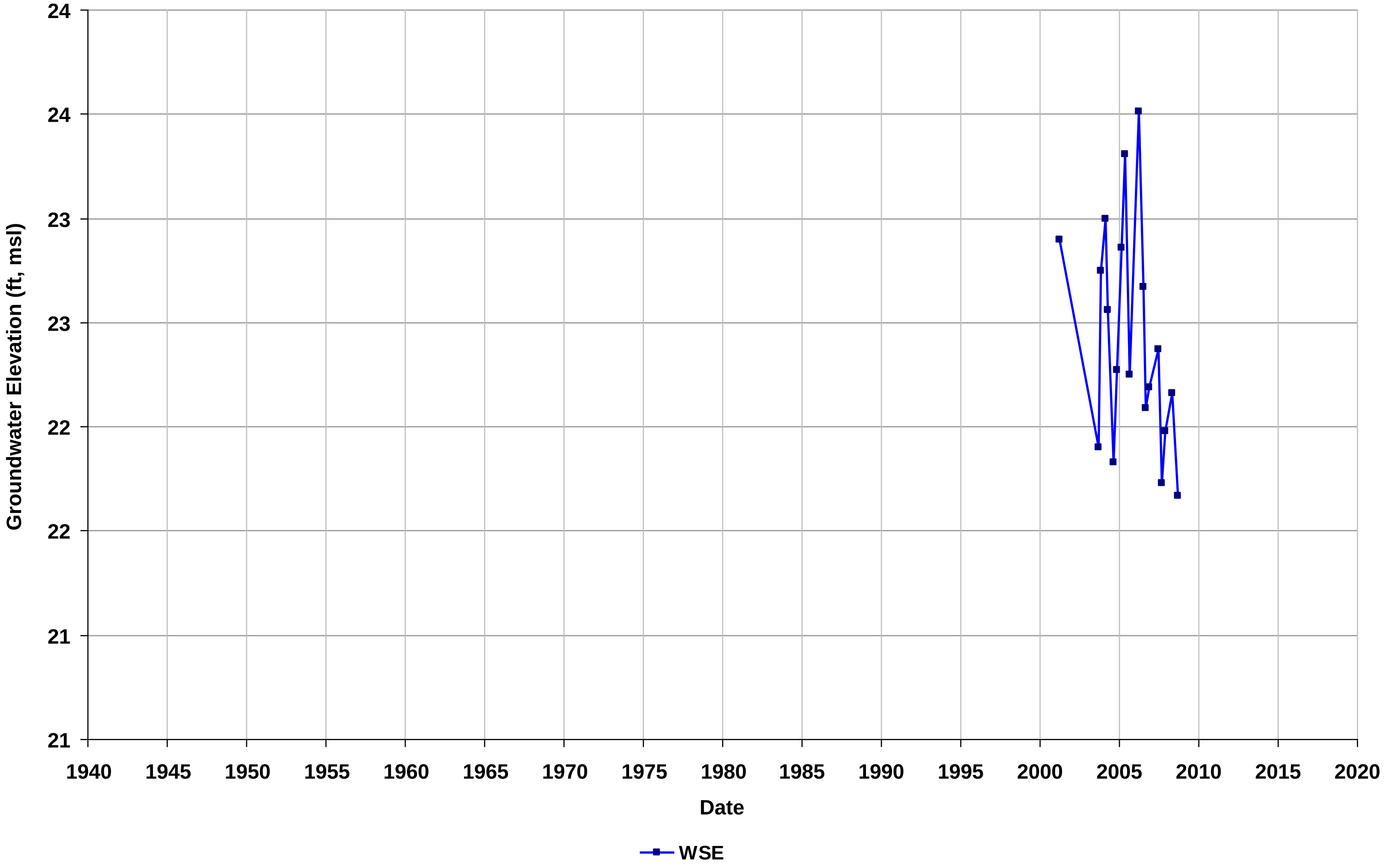
Well Name: T0600101244-S-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/26
Well Use: Observation



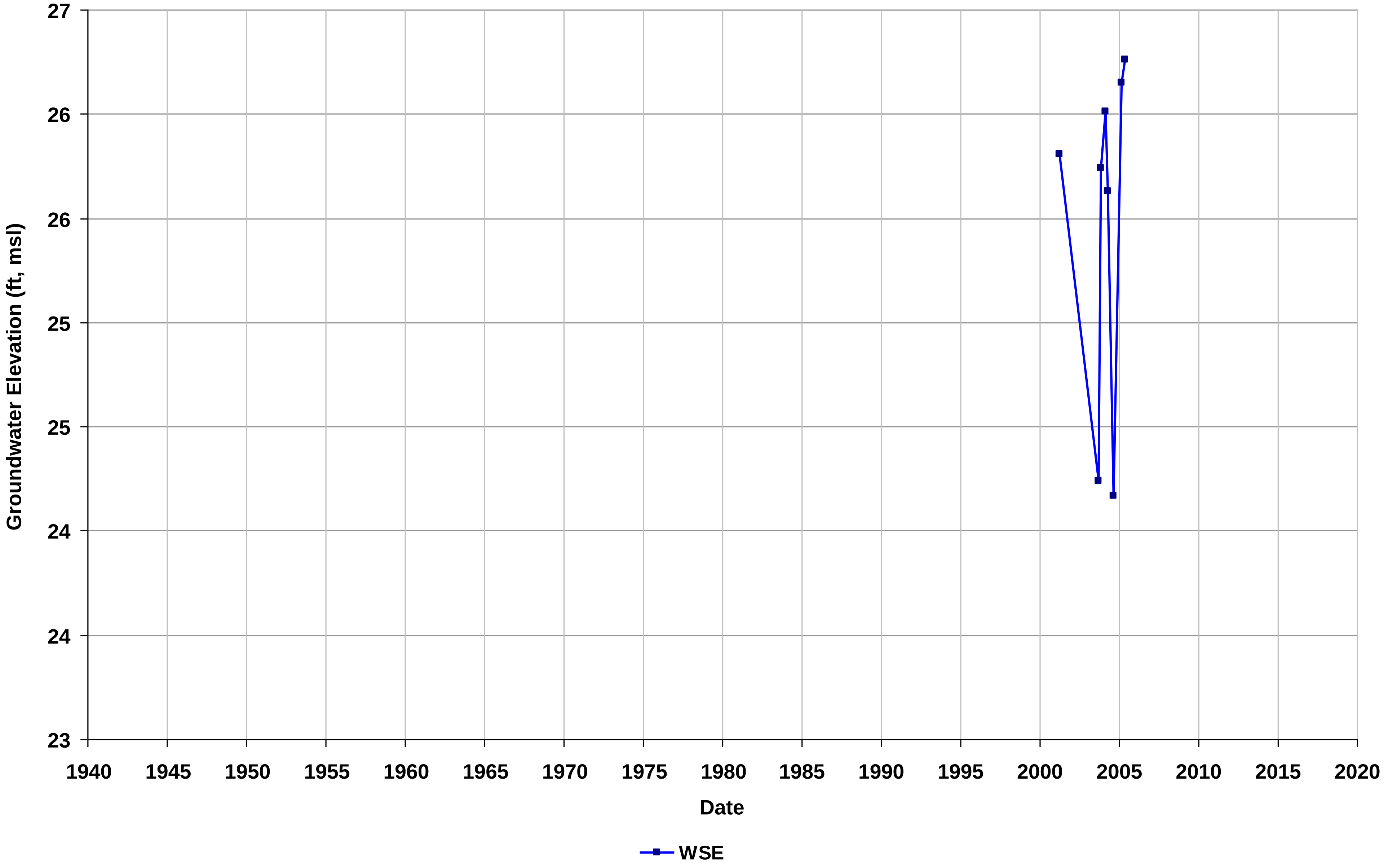
Well Name: T0600101244-S-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/26
Well Use: Observation



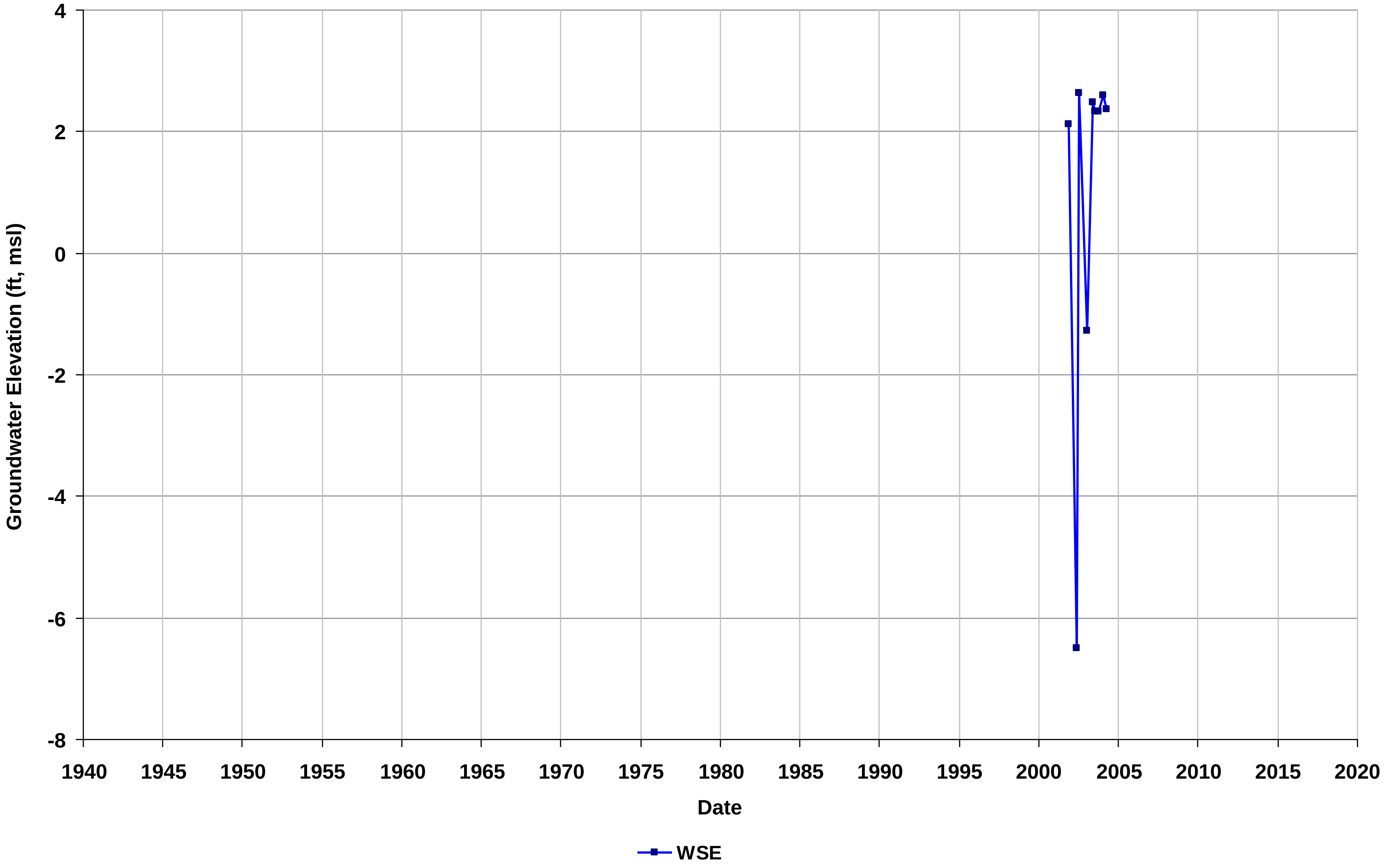
Well Name: T0600101244-SR-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/26
Well Use: Observation



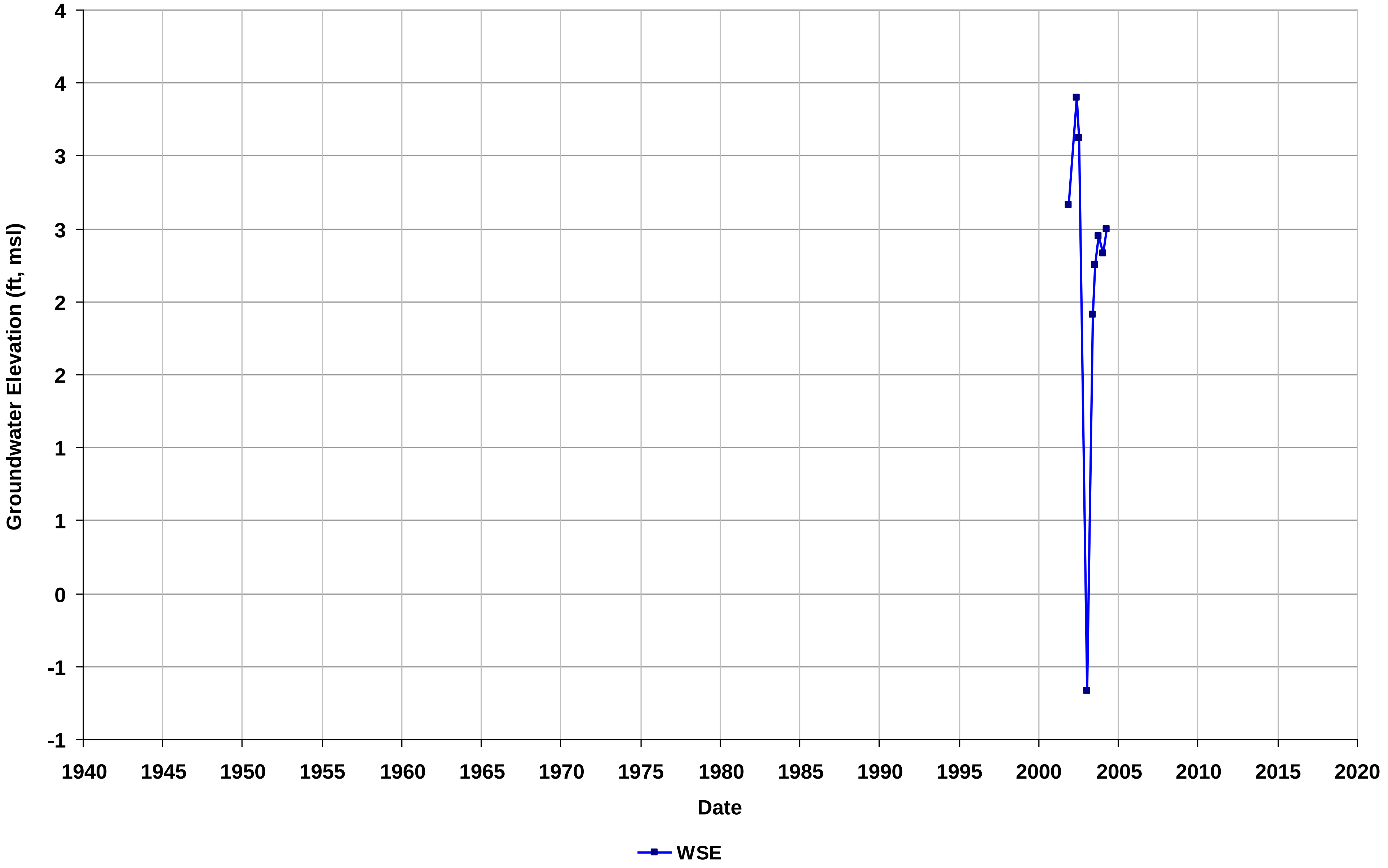
Well Name: T0600101245-AS-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/28
Well Use: Observation



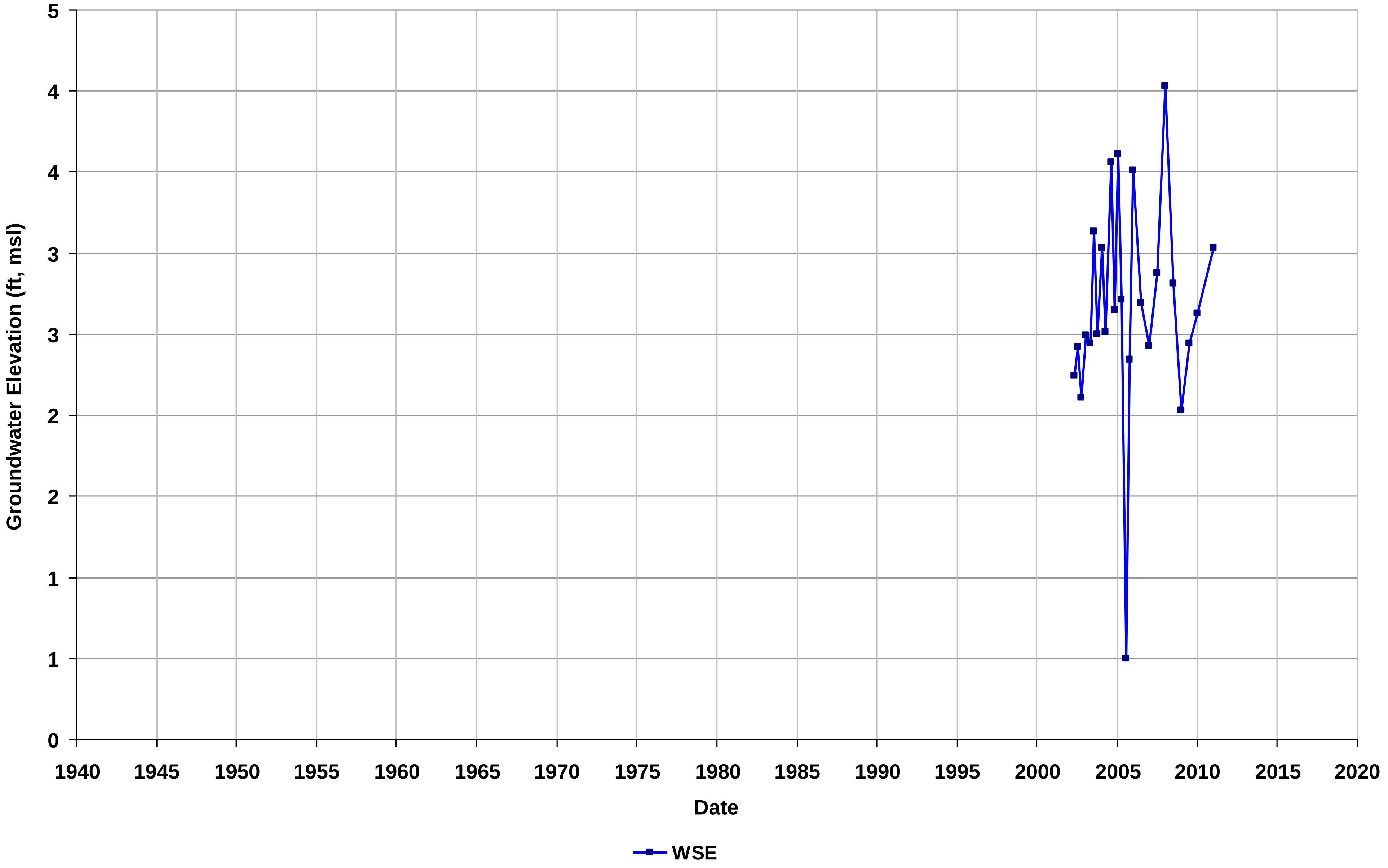
Well Name: T0600101245-AS-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/28
Well Use: Observation



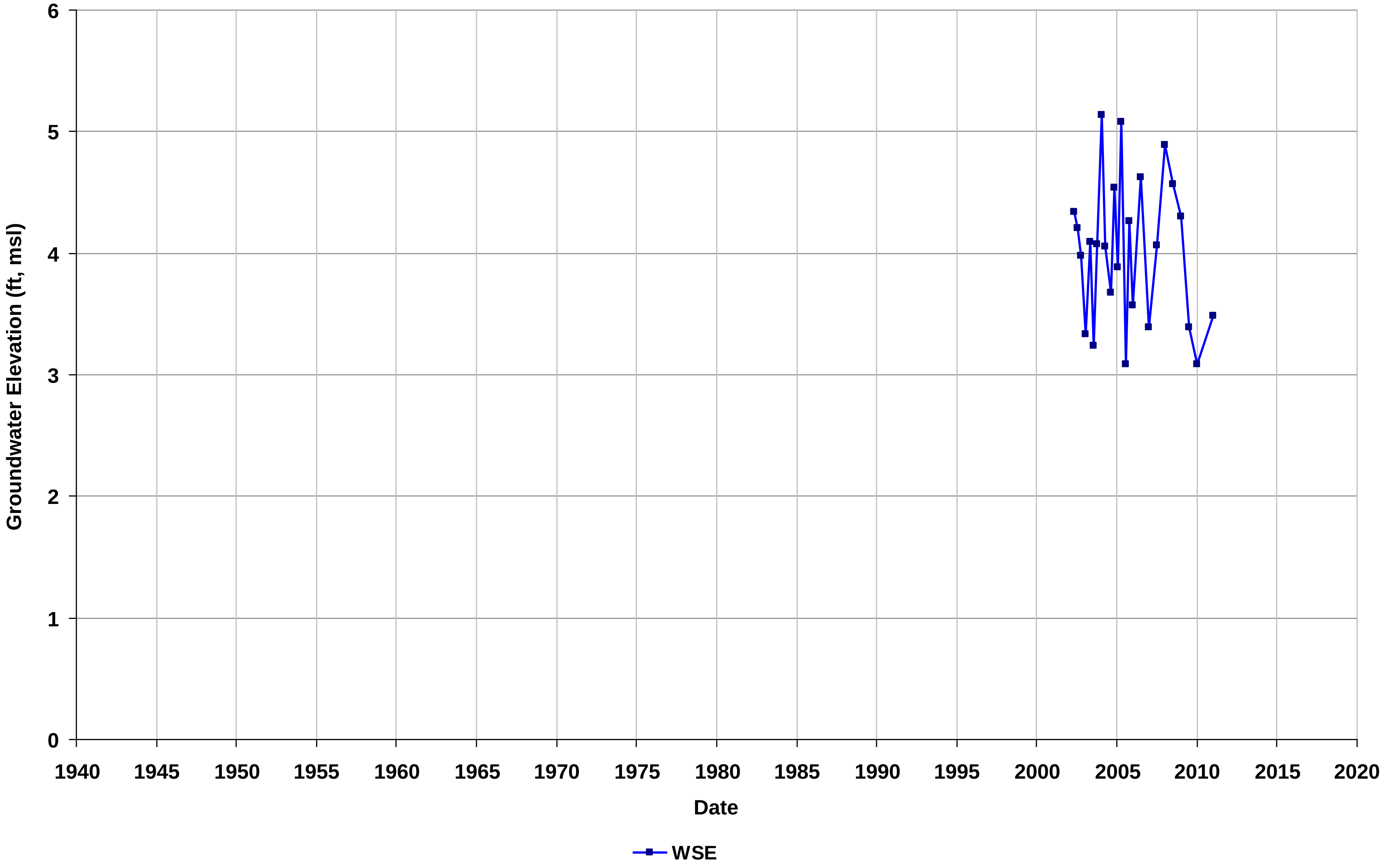
Well Name: T0600101245-MW-11
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/28
Well Use: Observation



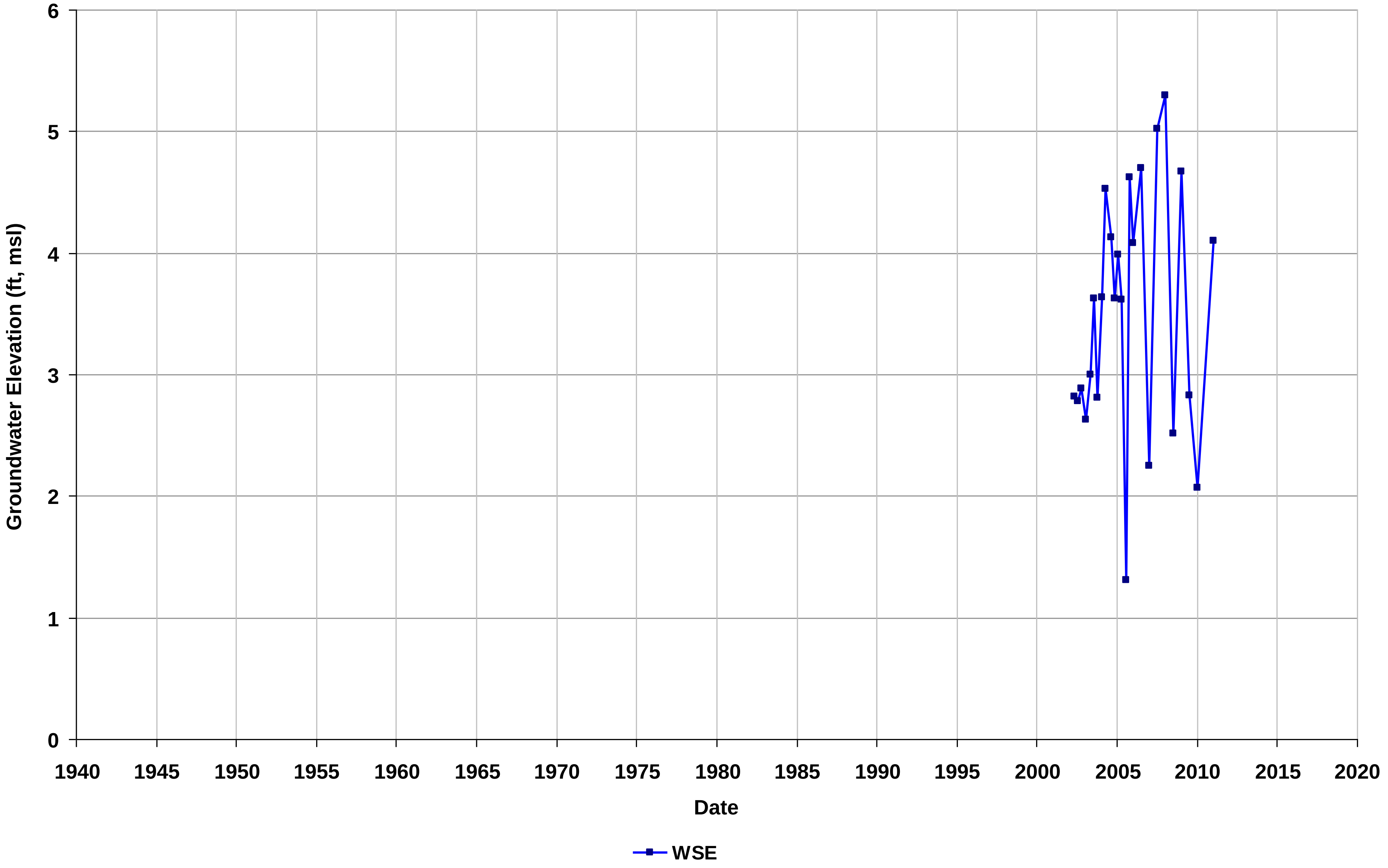
Well Name: T0600101245-MW-12
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/28
Well Use: Observation



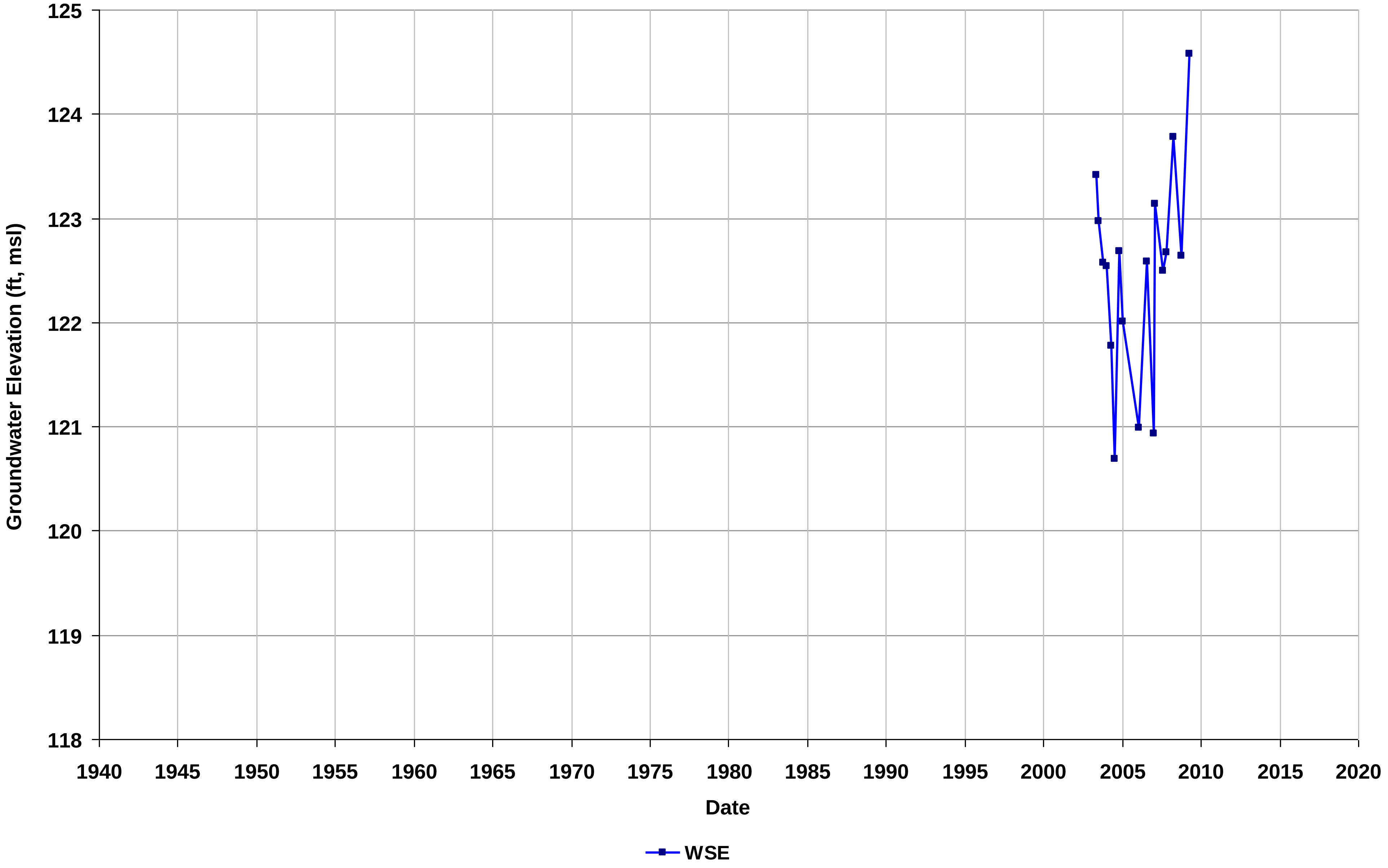
Well Name: T0600101245-MW-13
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/28
Well Use: Observation



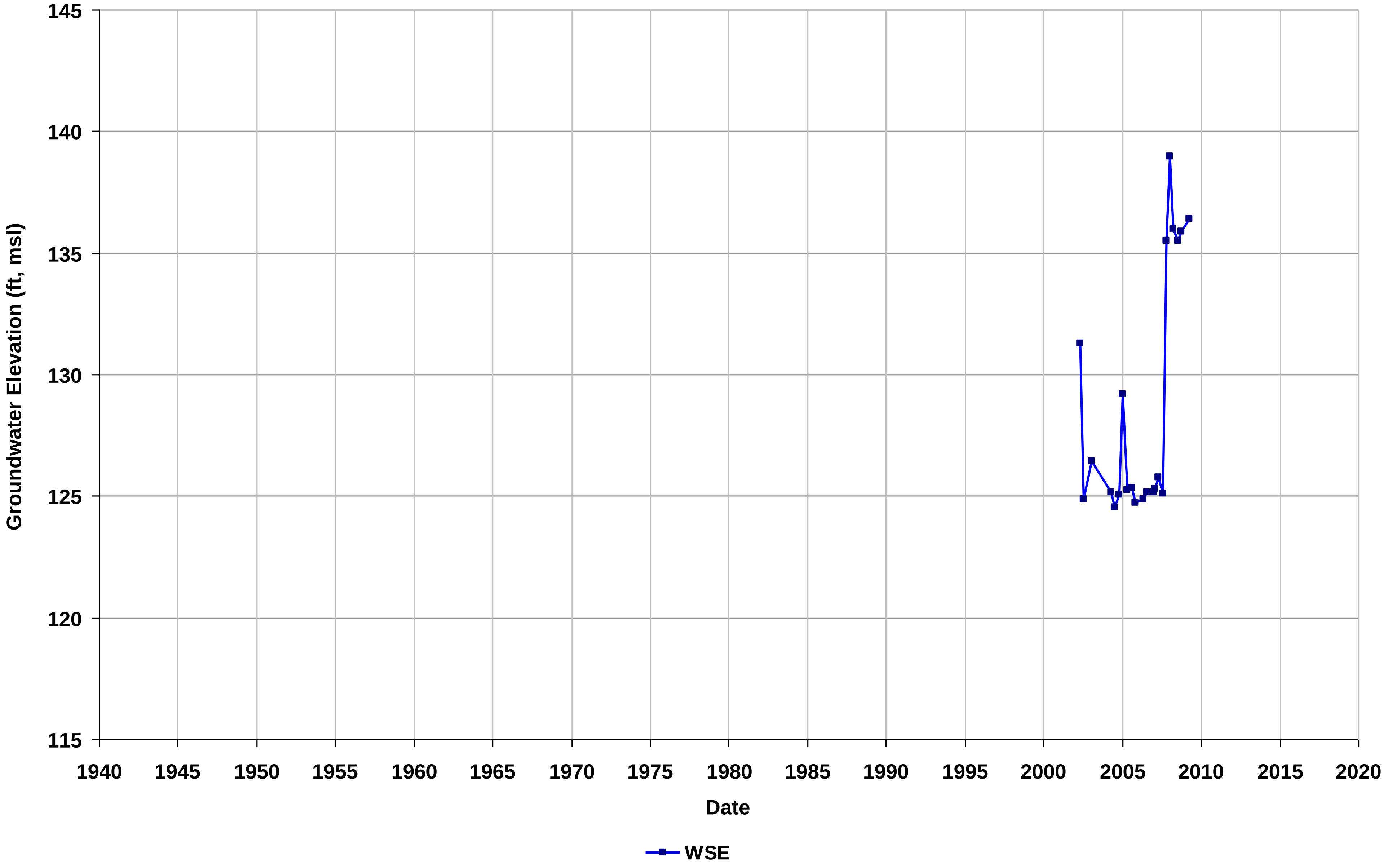
Well Name: T0600101247-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/11
Well Use: Observation



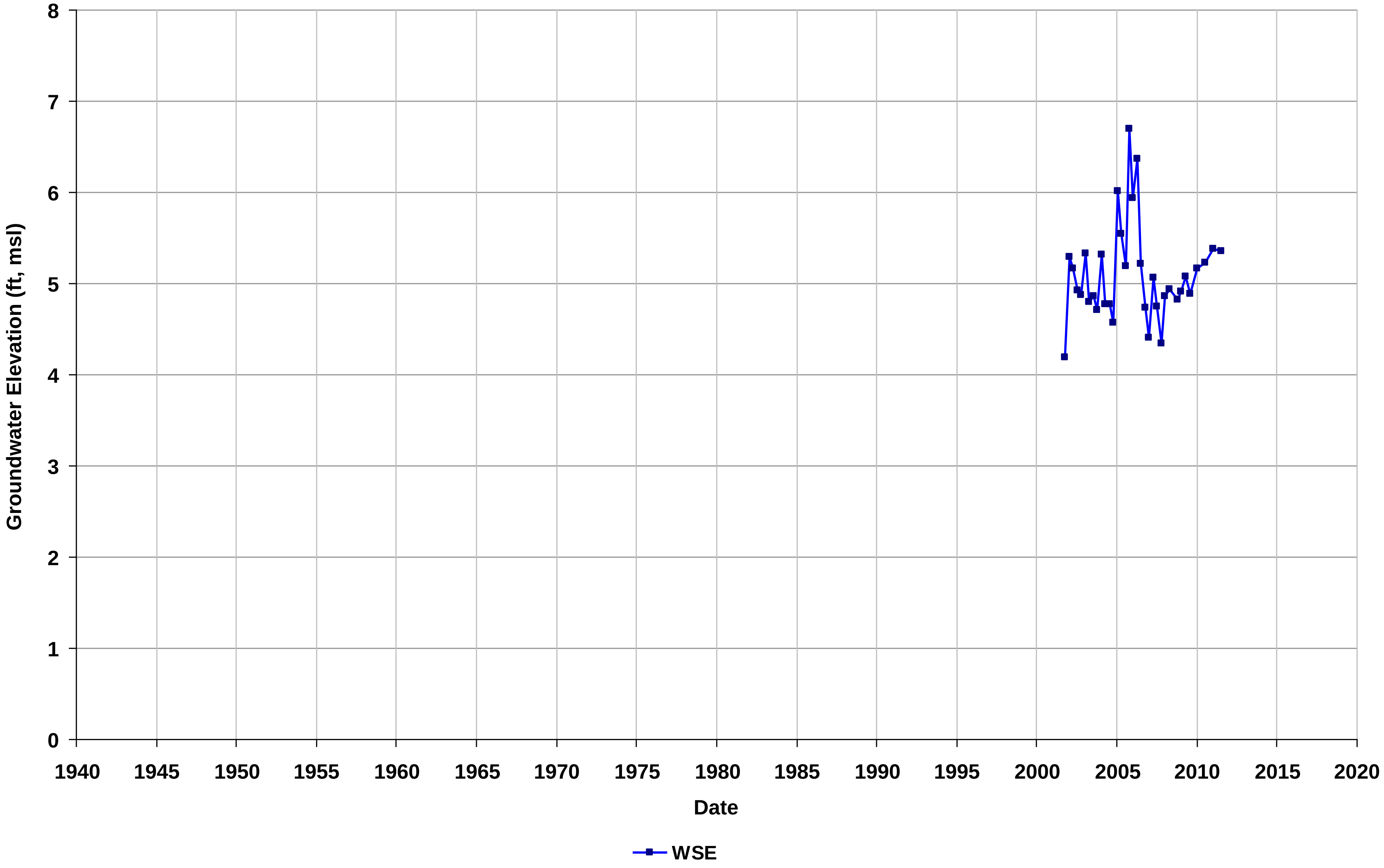
Well Name: T0600101247-TW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/11
Well Use: Observation



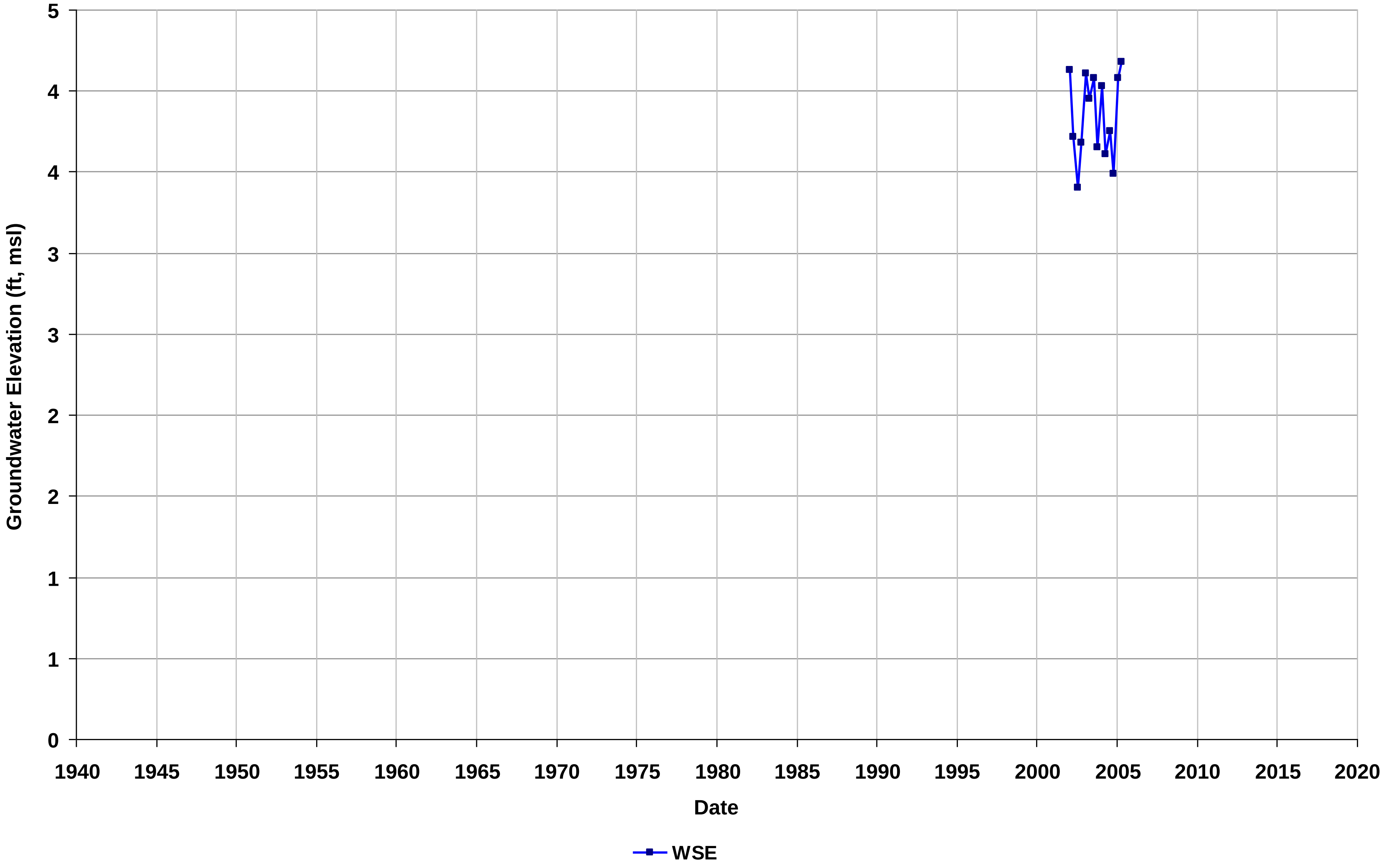
Well Name: T0600101248-S-5
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/10
Well Use: Observation



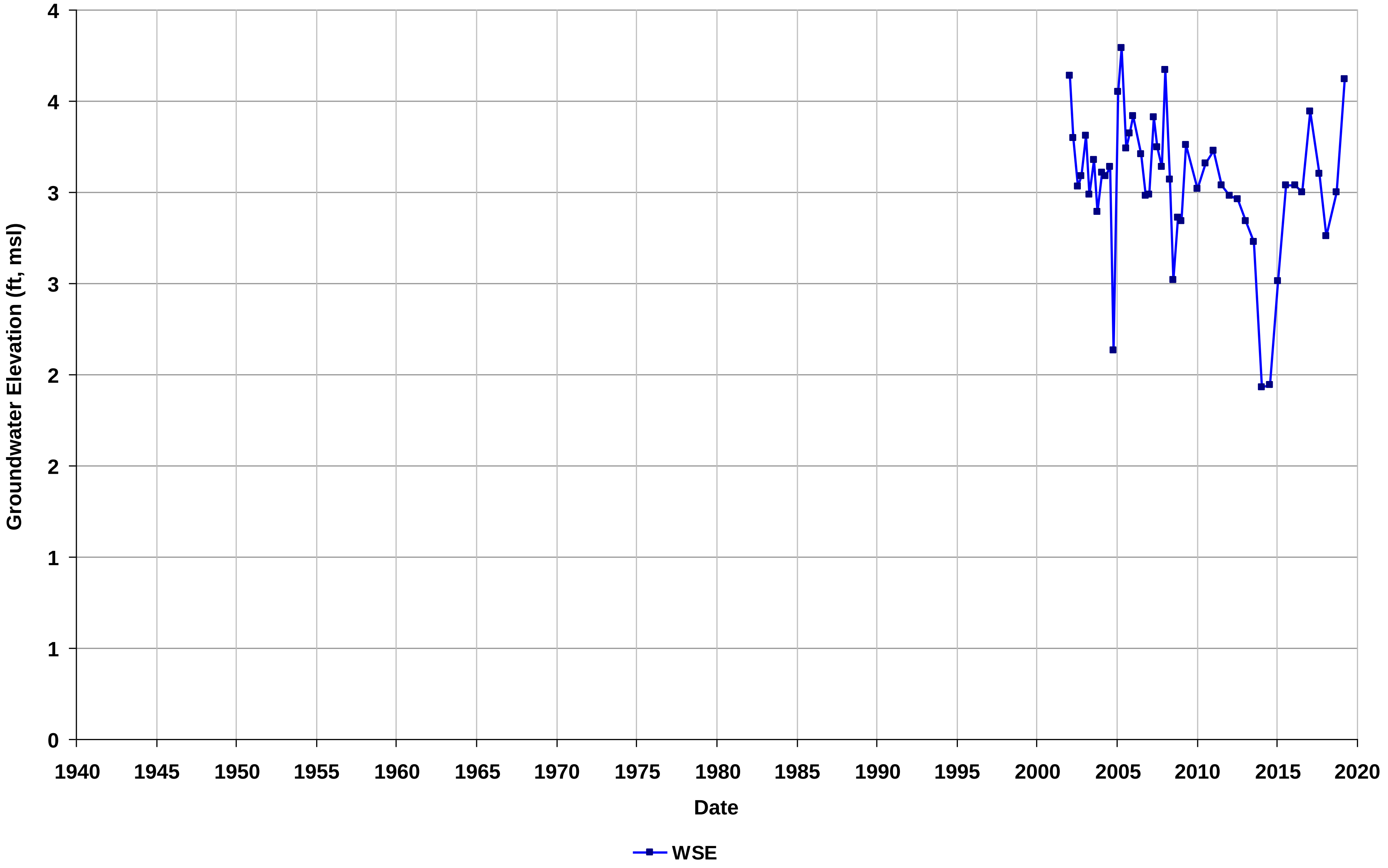
Well Name: T0600101250-BW-B
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/15
Well Use: Observation



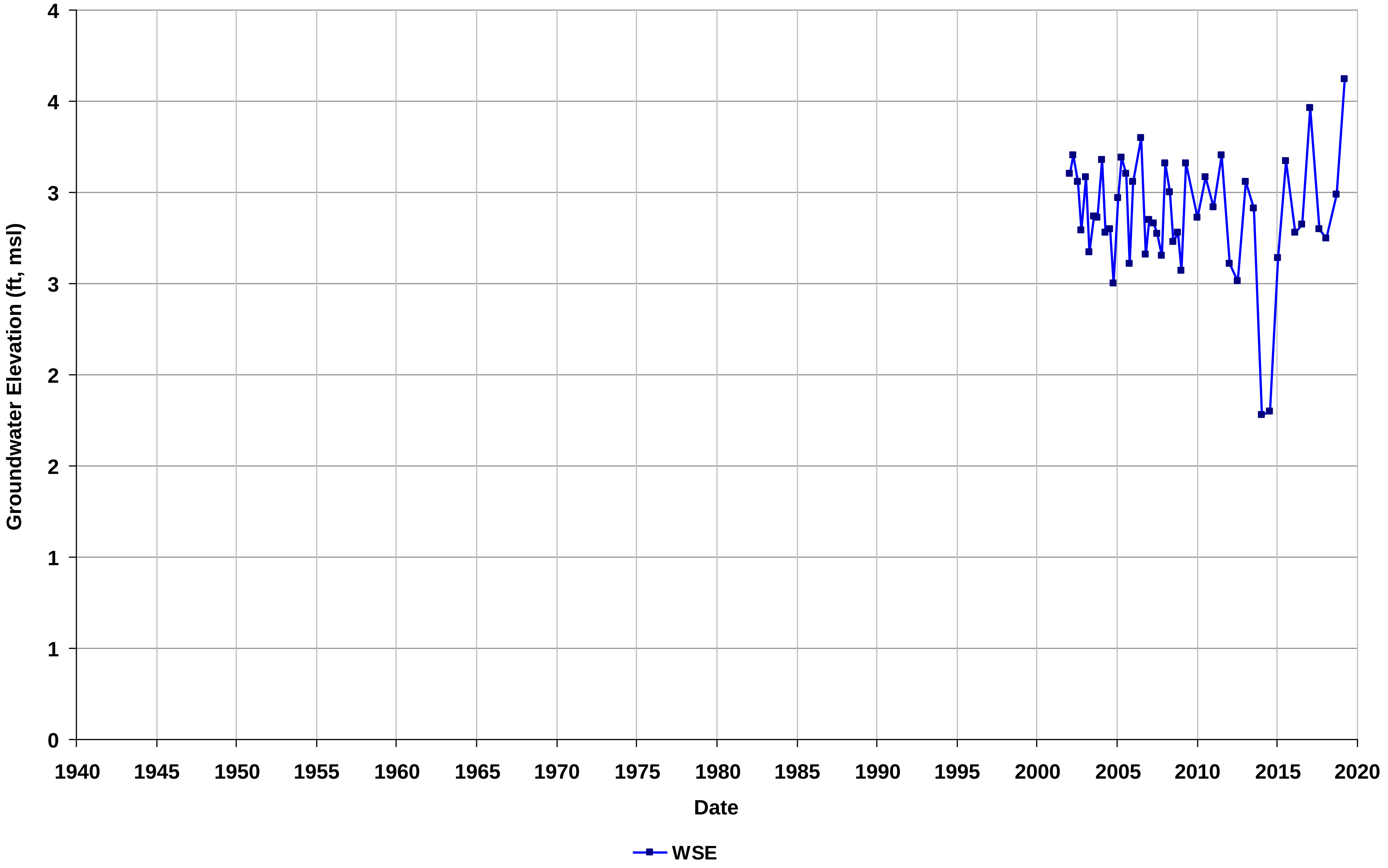
Well Name: T0600101250-S-10
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/15
Well Use: Observation



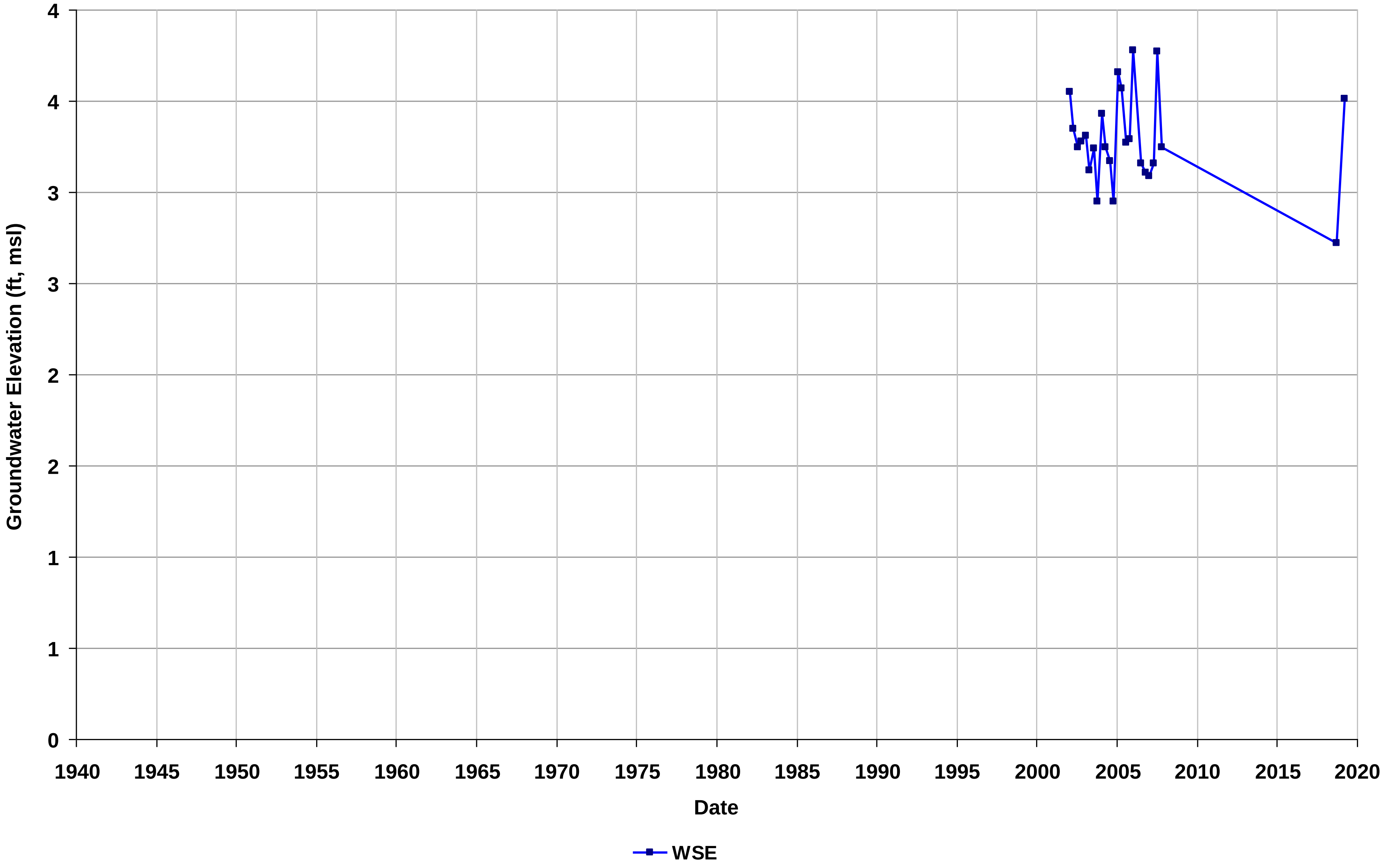
Well Name: T0600101250-S-11
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/15
Well Use: Observation



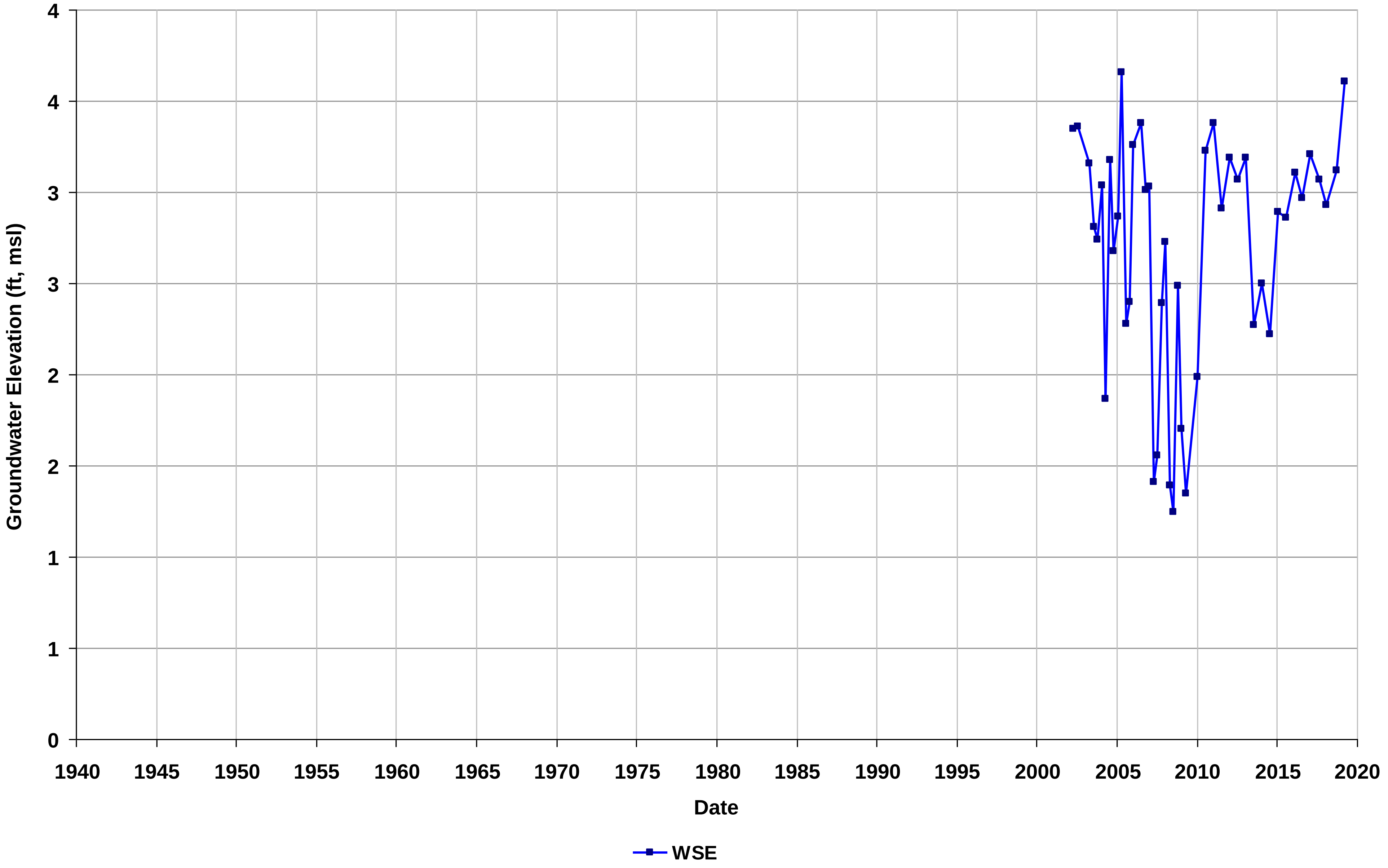
Well Name: T0600101250-S-12
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/15
Well Use: Observation



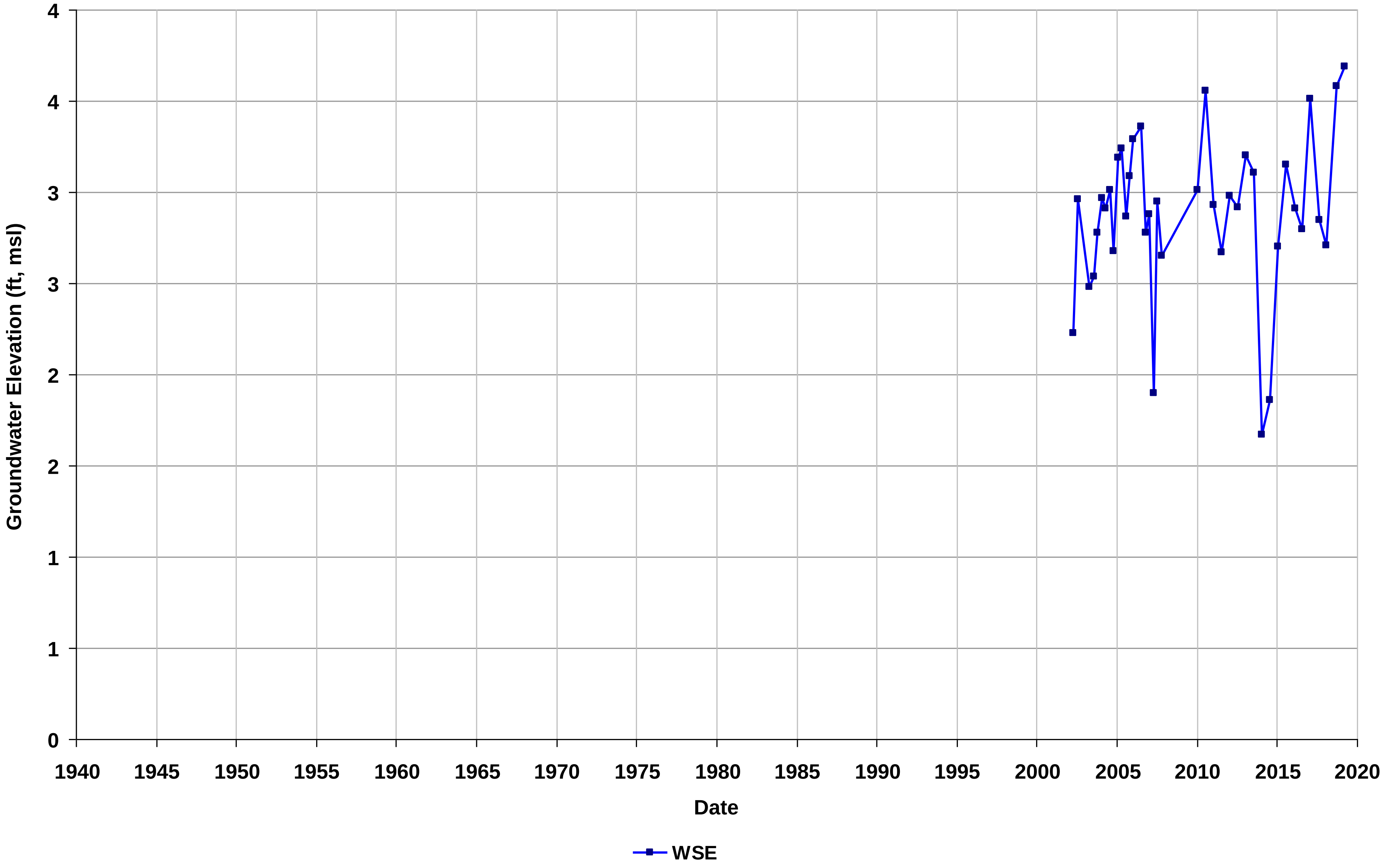
Well Name: T0600101250-S-13
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/15
Well Use: Observation



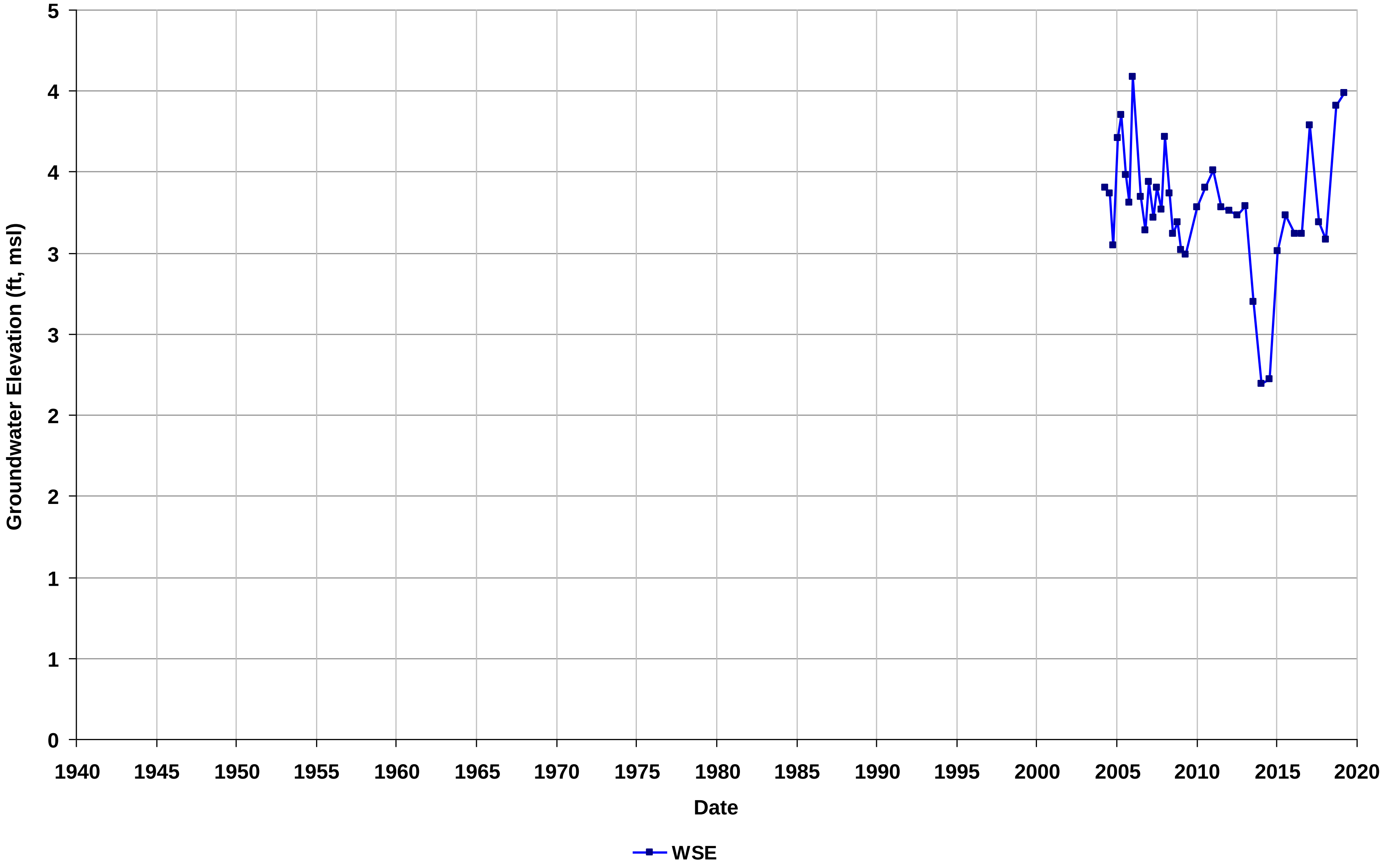
Well Name: T0600101250-S-14
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/15
Well Use: Observation



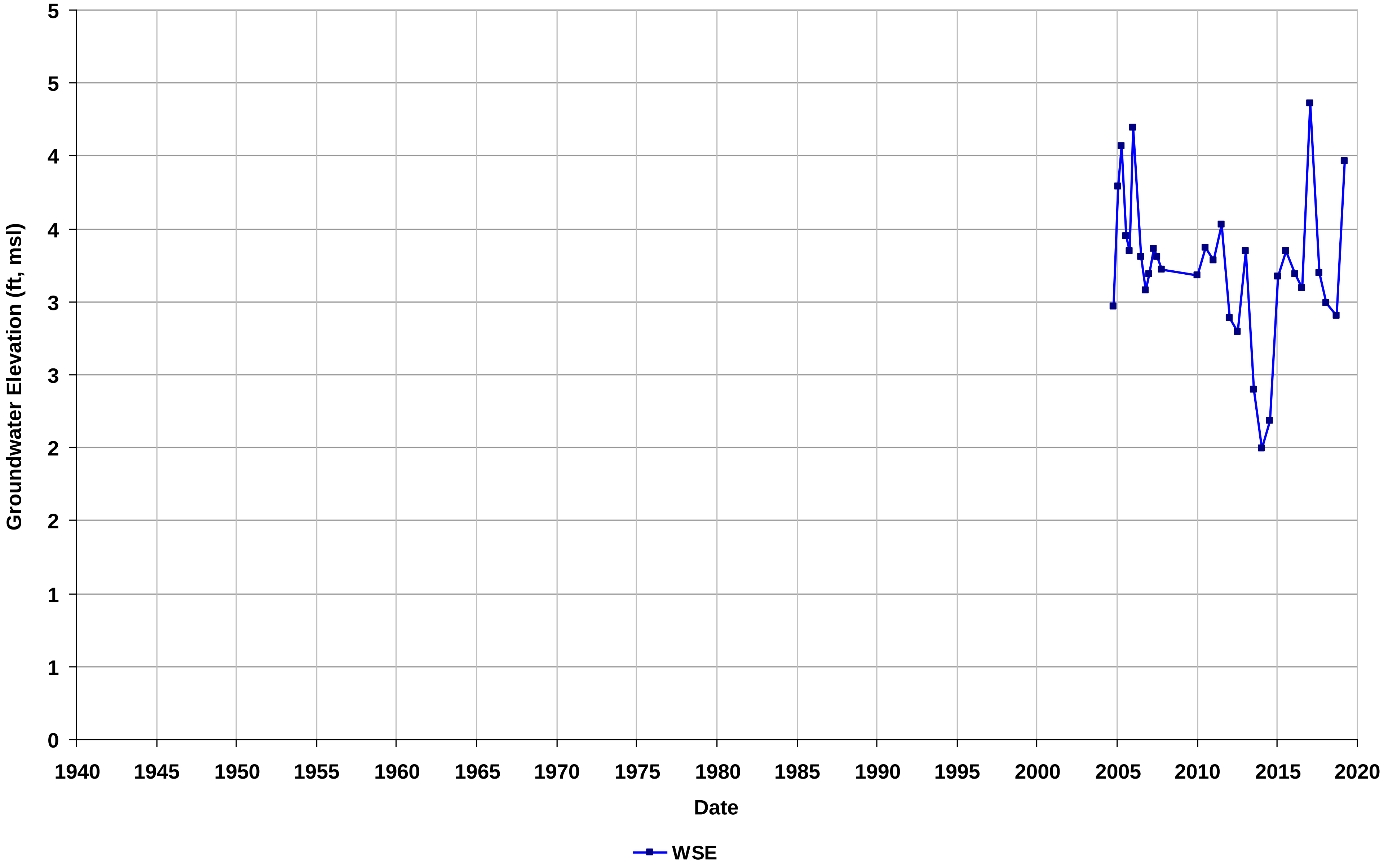
Well Name: T0600101250-S-16
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/15
Well Use: Observation



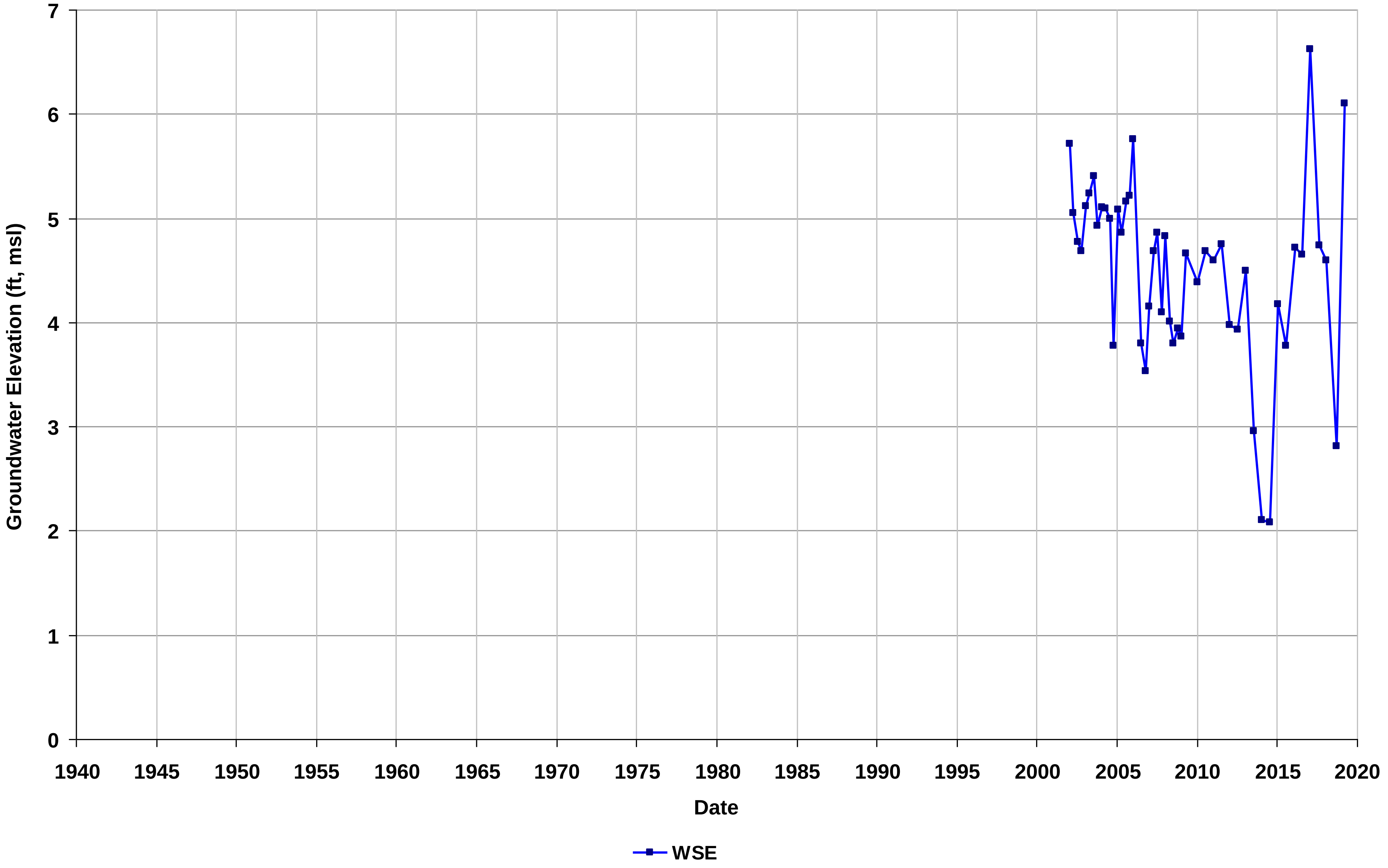
Well Name: T0600101250-S-17
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/15
Well Use: Observation



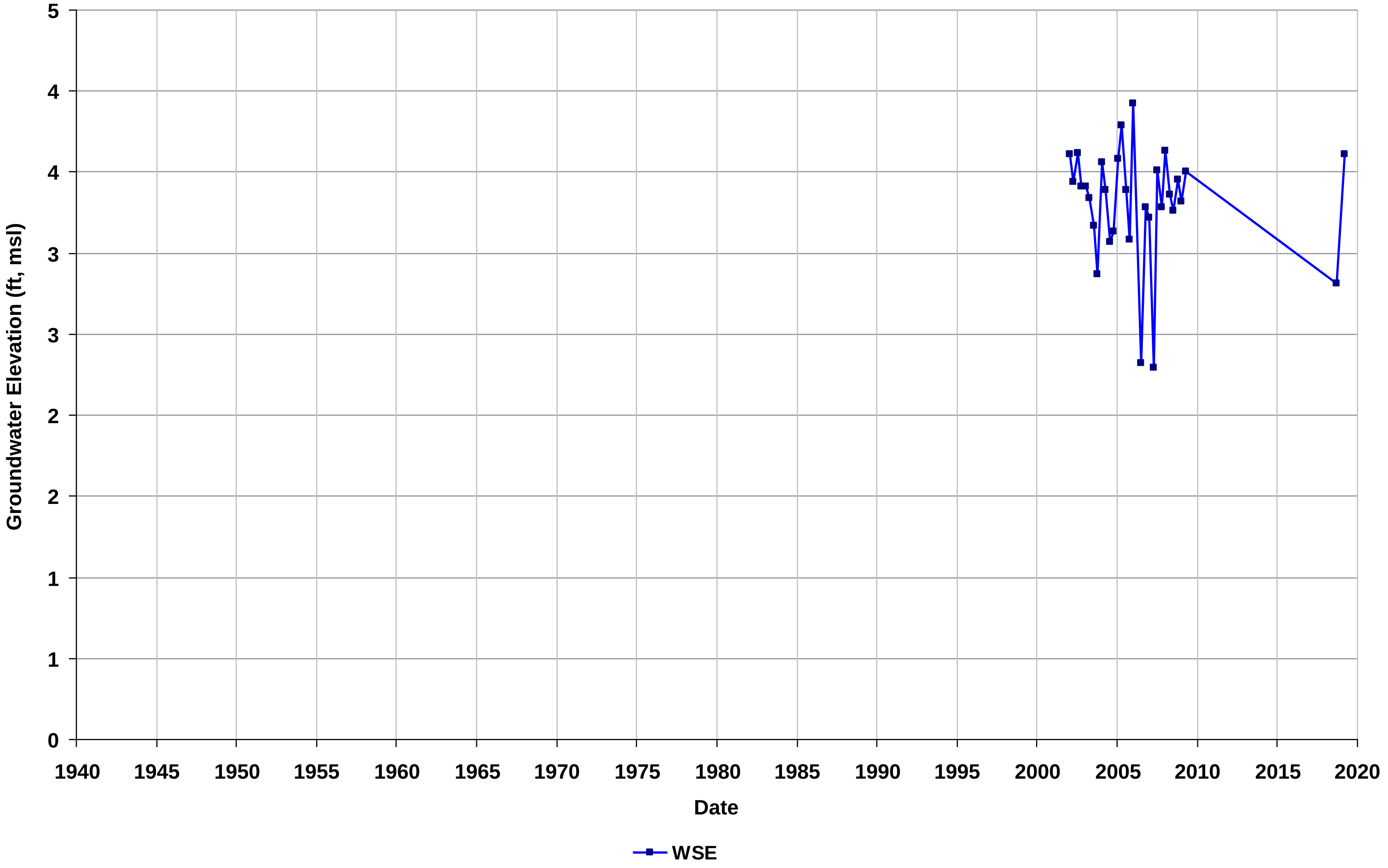
Well Name: T0600101250-S-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/15
Well Use: Observation



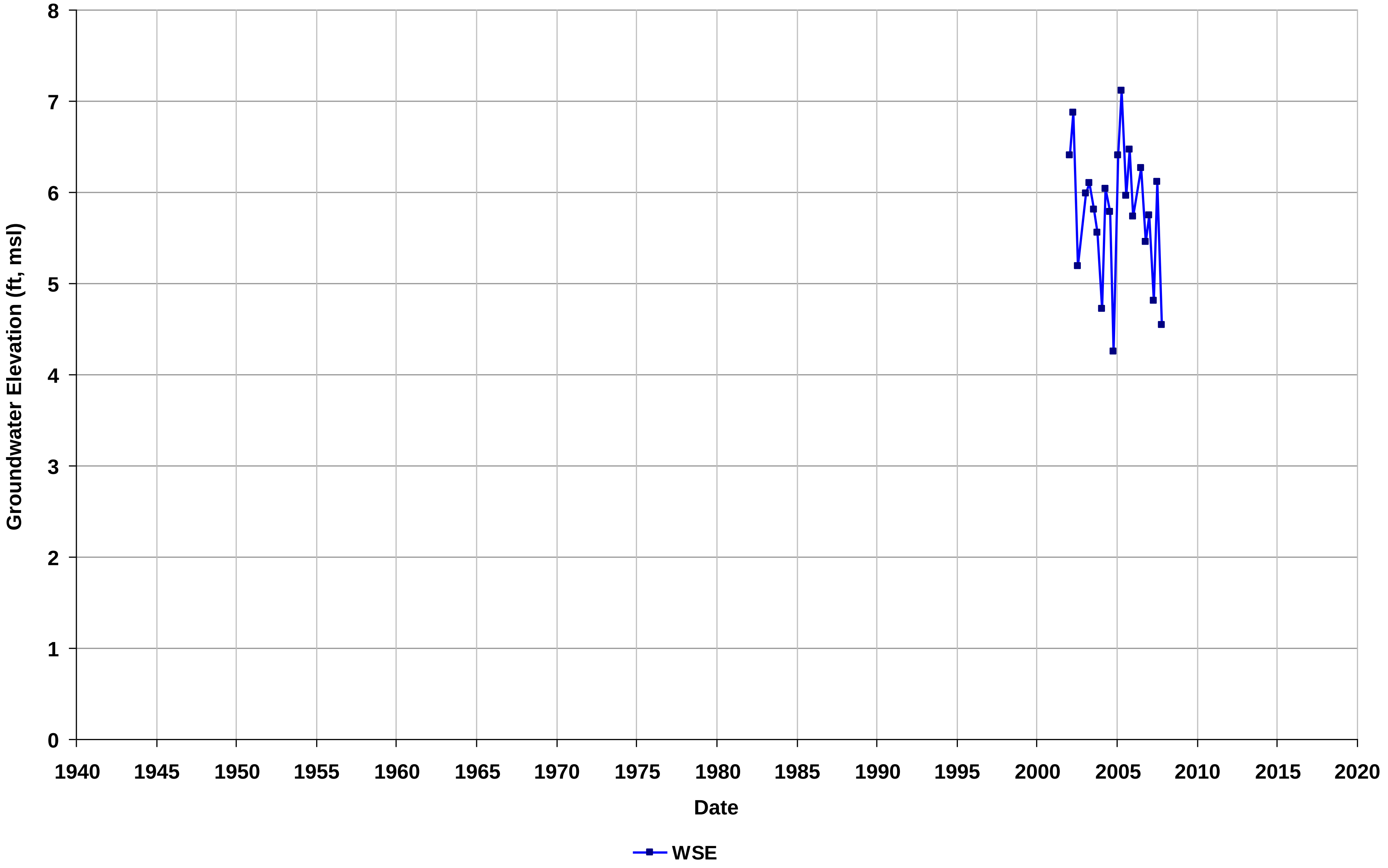
Well Name: T0600101250-S-5
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/15
Well Use: Observation



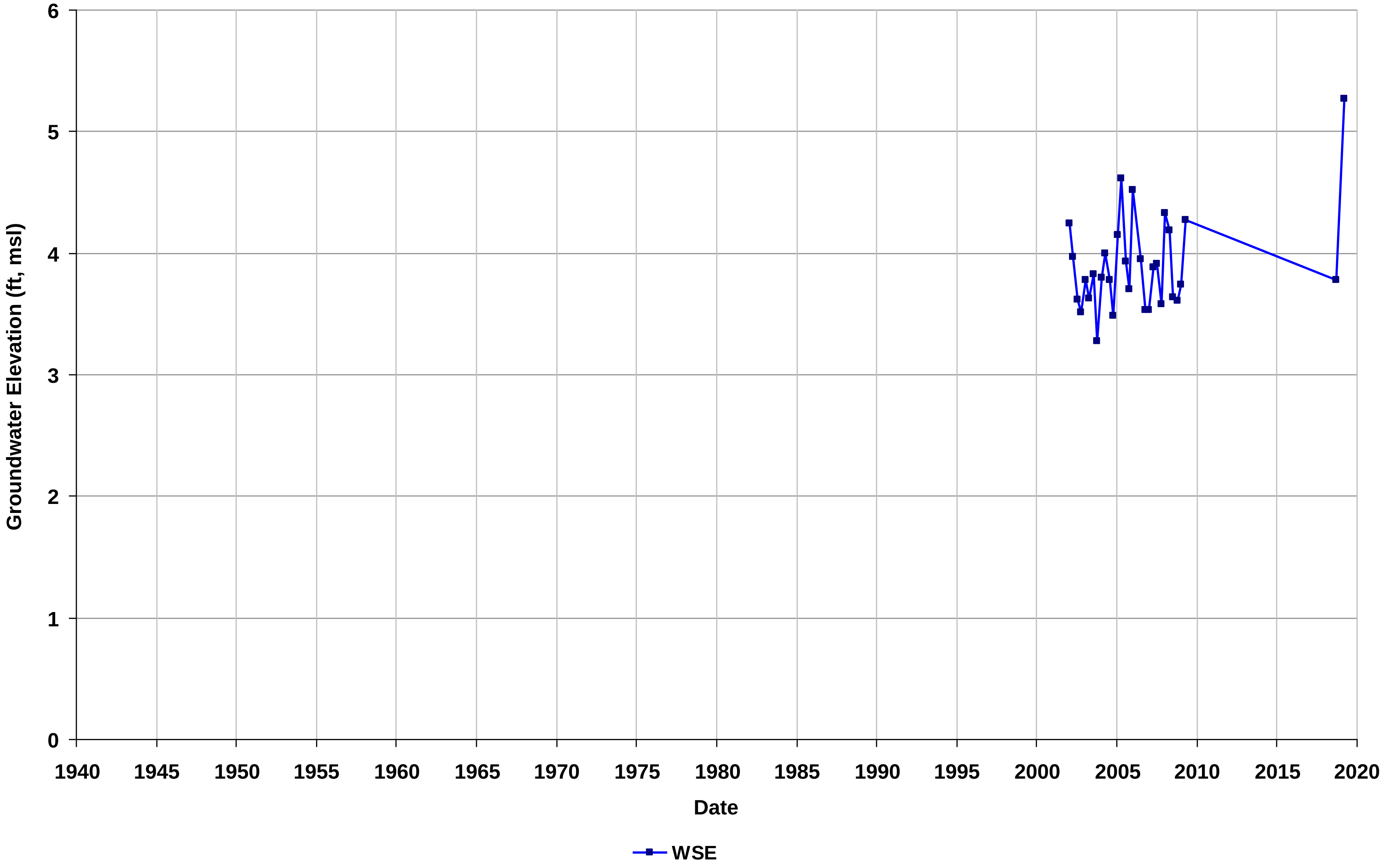
Well Name: T0600101250-S-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/15
Well Use: Observation



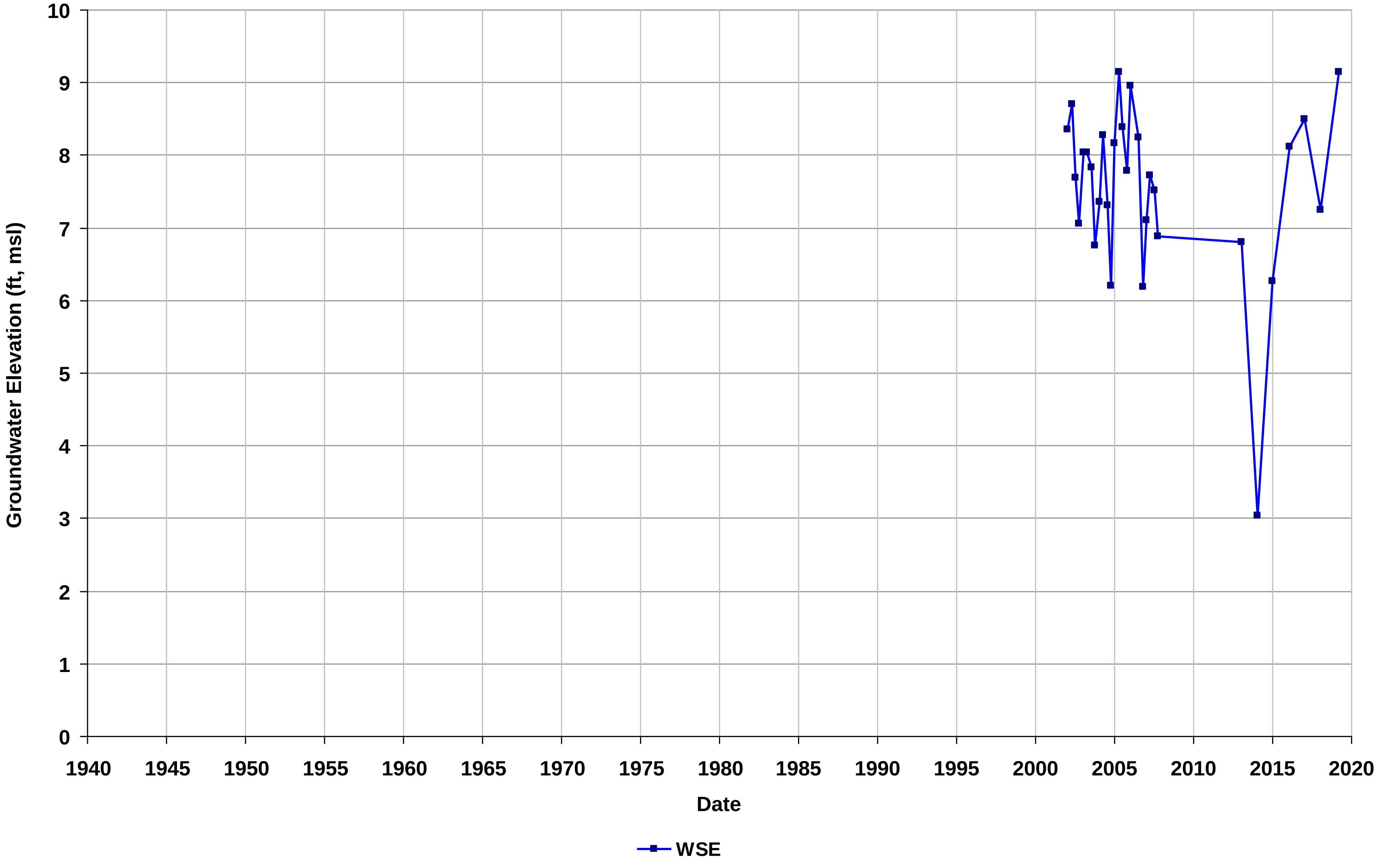
Well Name: T0600101250-S-7
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/15
Well Use: Observation



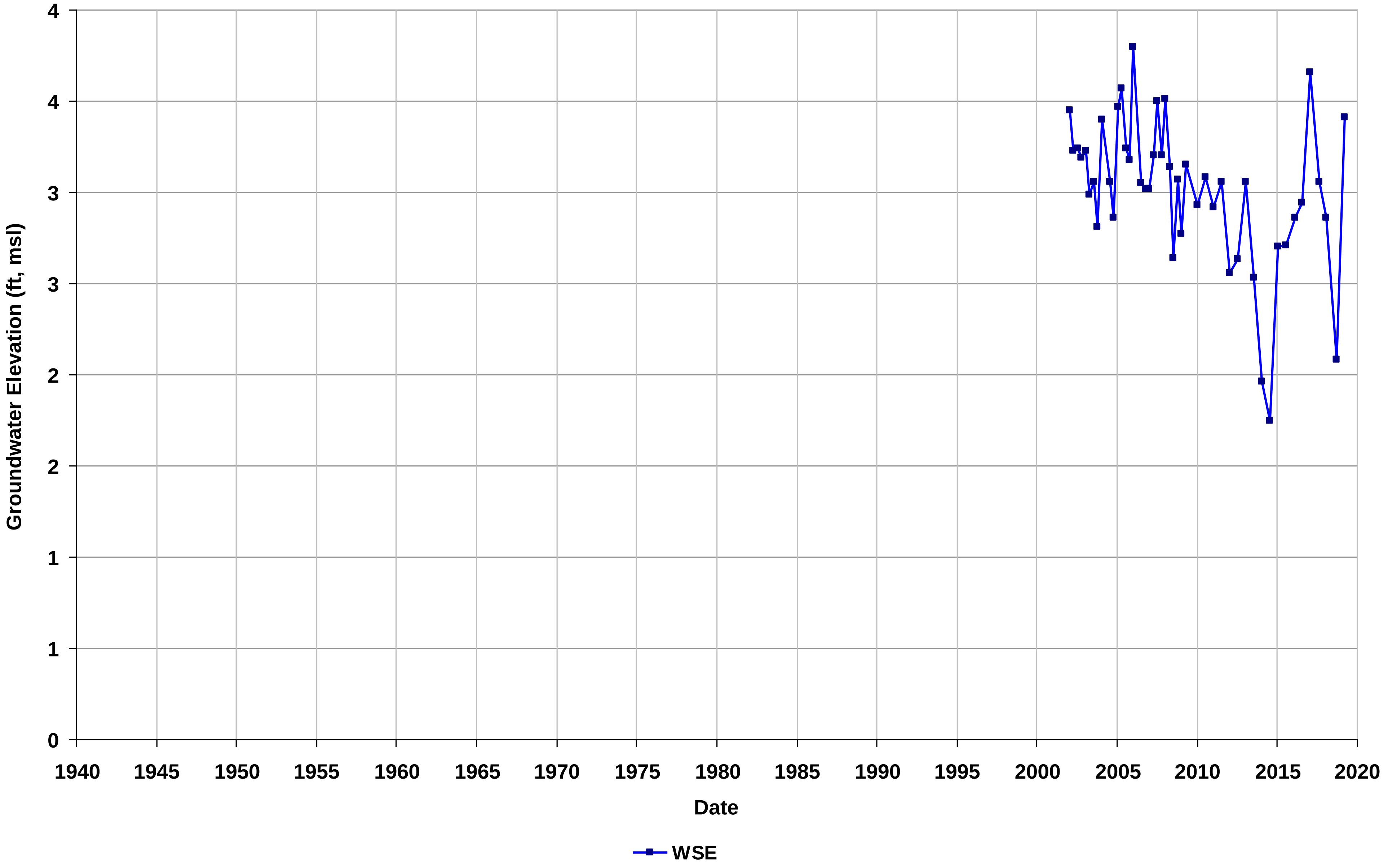
Well Name: T0600101250-S-8
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/15
Well Use: Observation



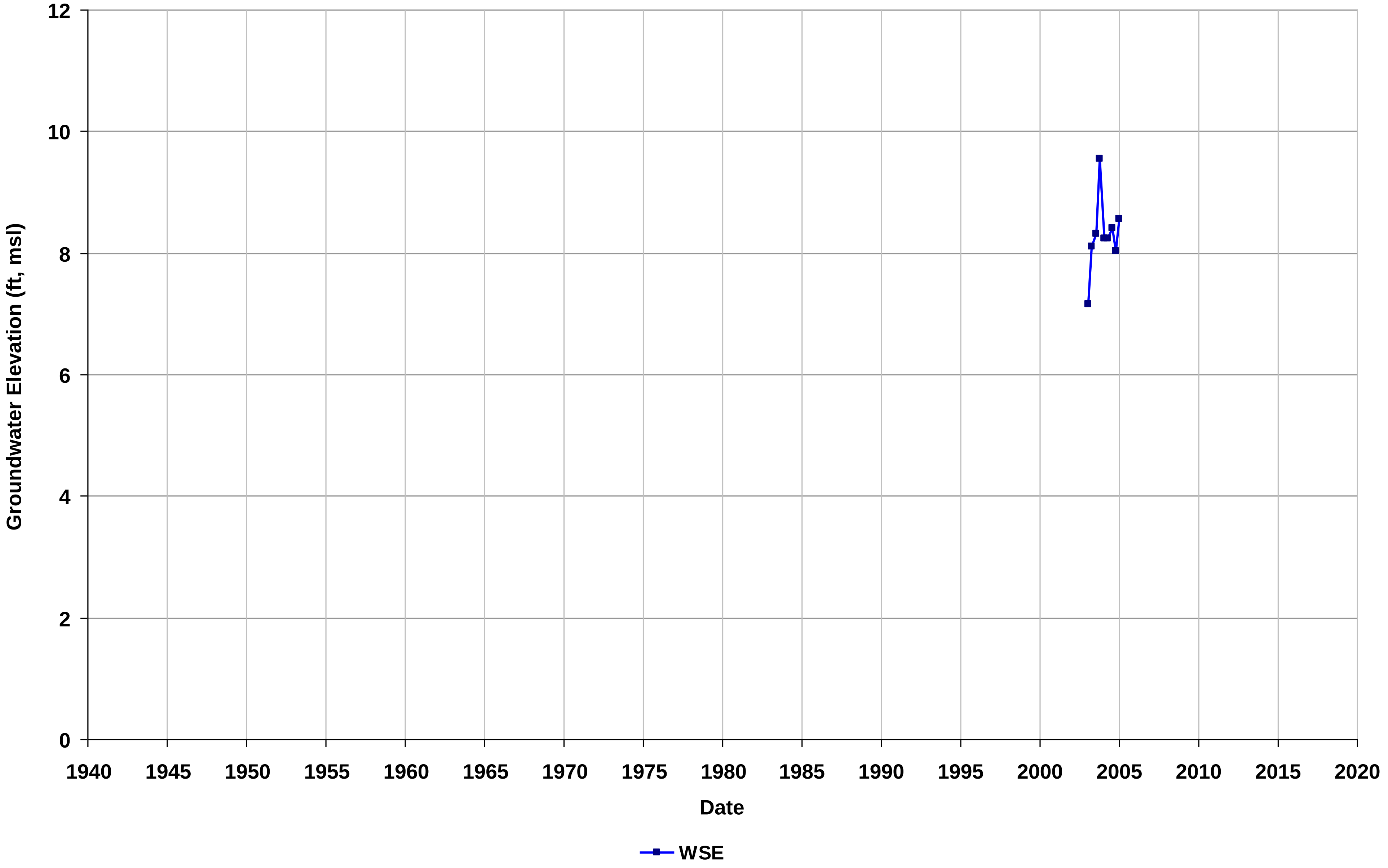
Well Name: T0600101250-S-9
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/15
Well Use: Observation



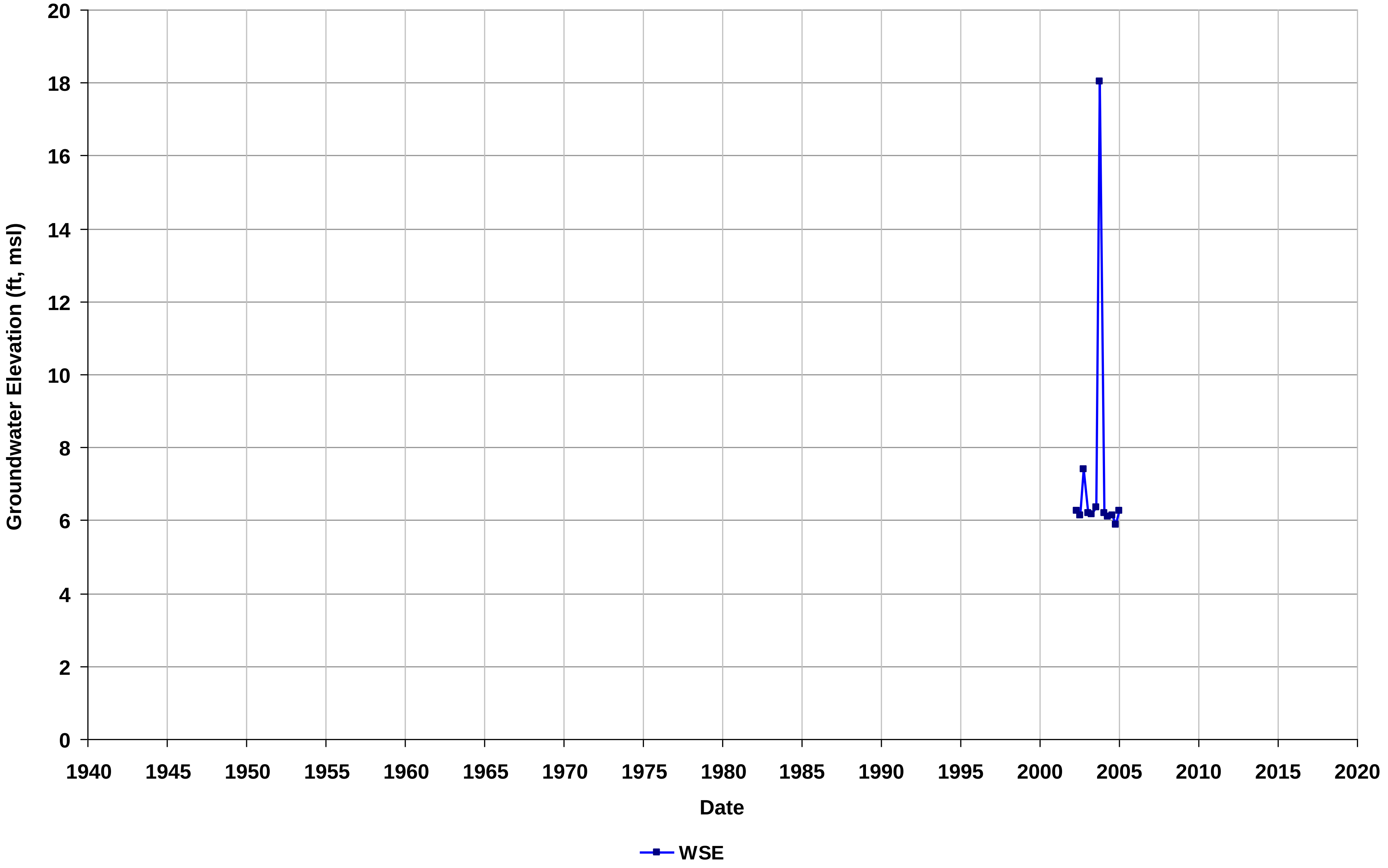
Well Name: T0600101251-CL-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/11
Well Use: Observation



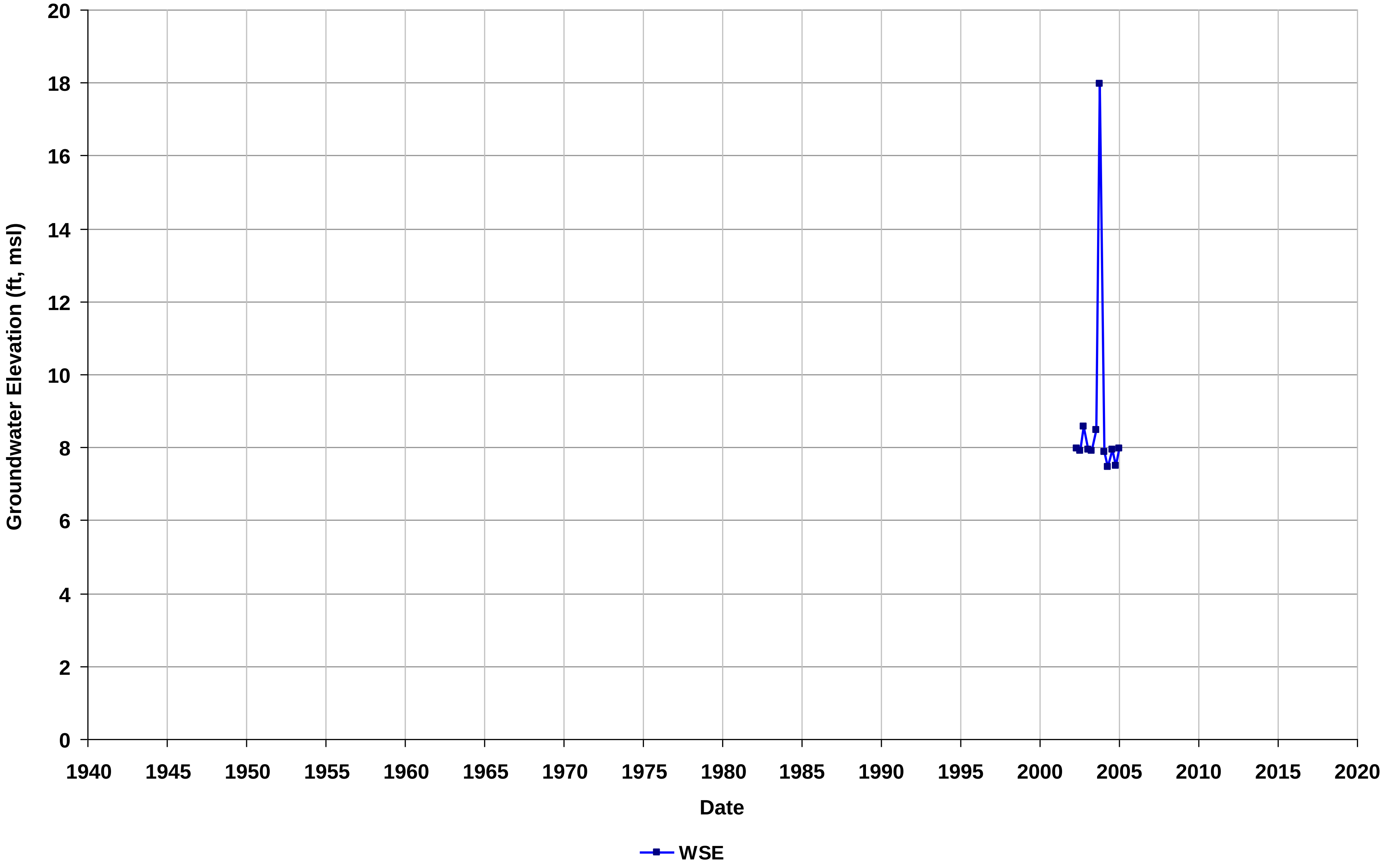
Well Name: T0600101251-CL-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/11
Well Use: Observation



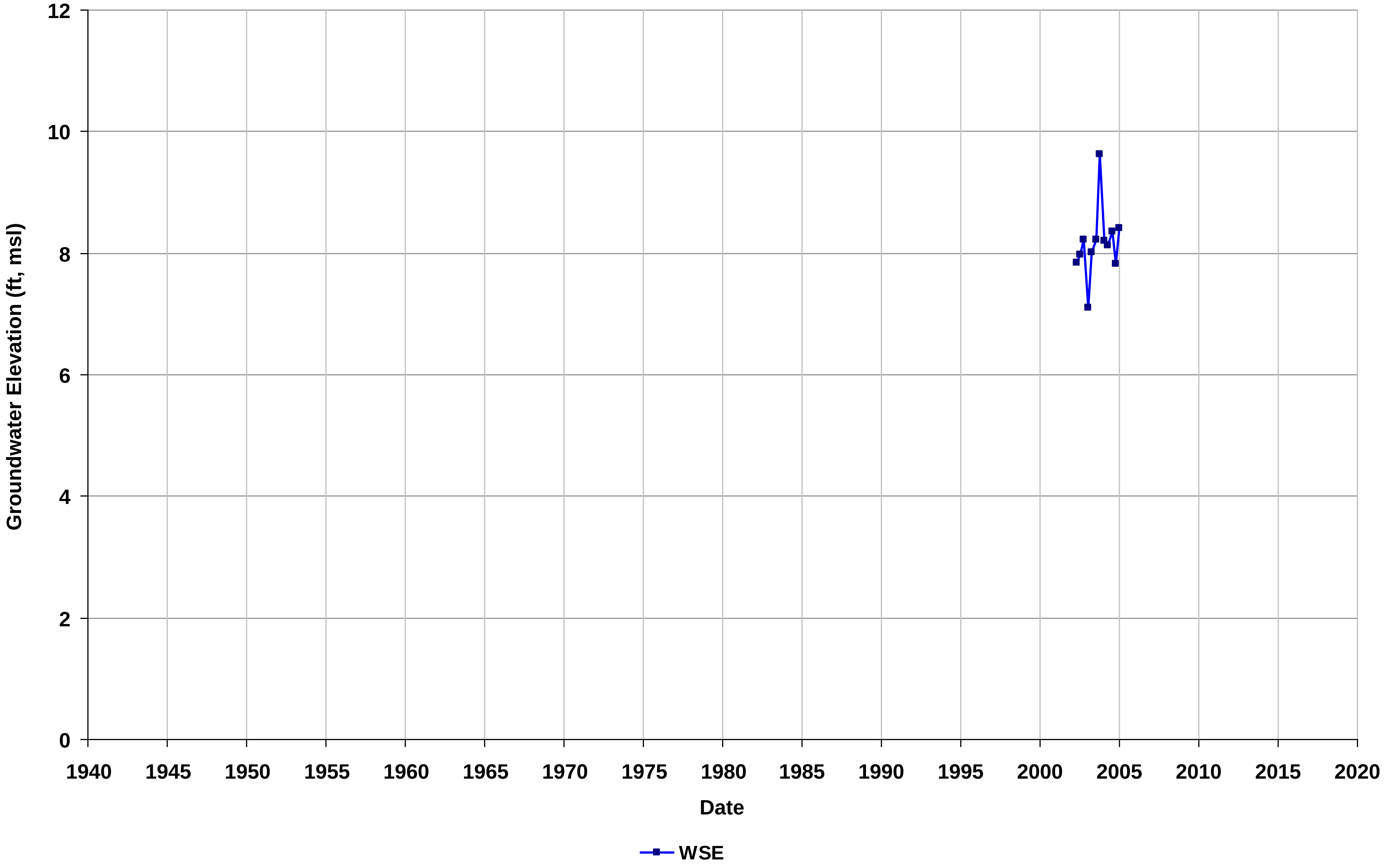
Well Name: T0600101251-CL-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/11
Well Use: Observation



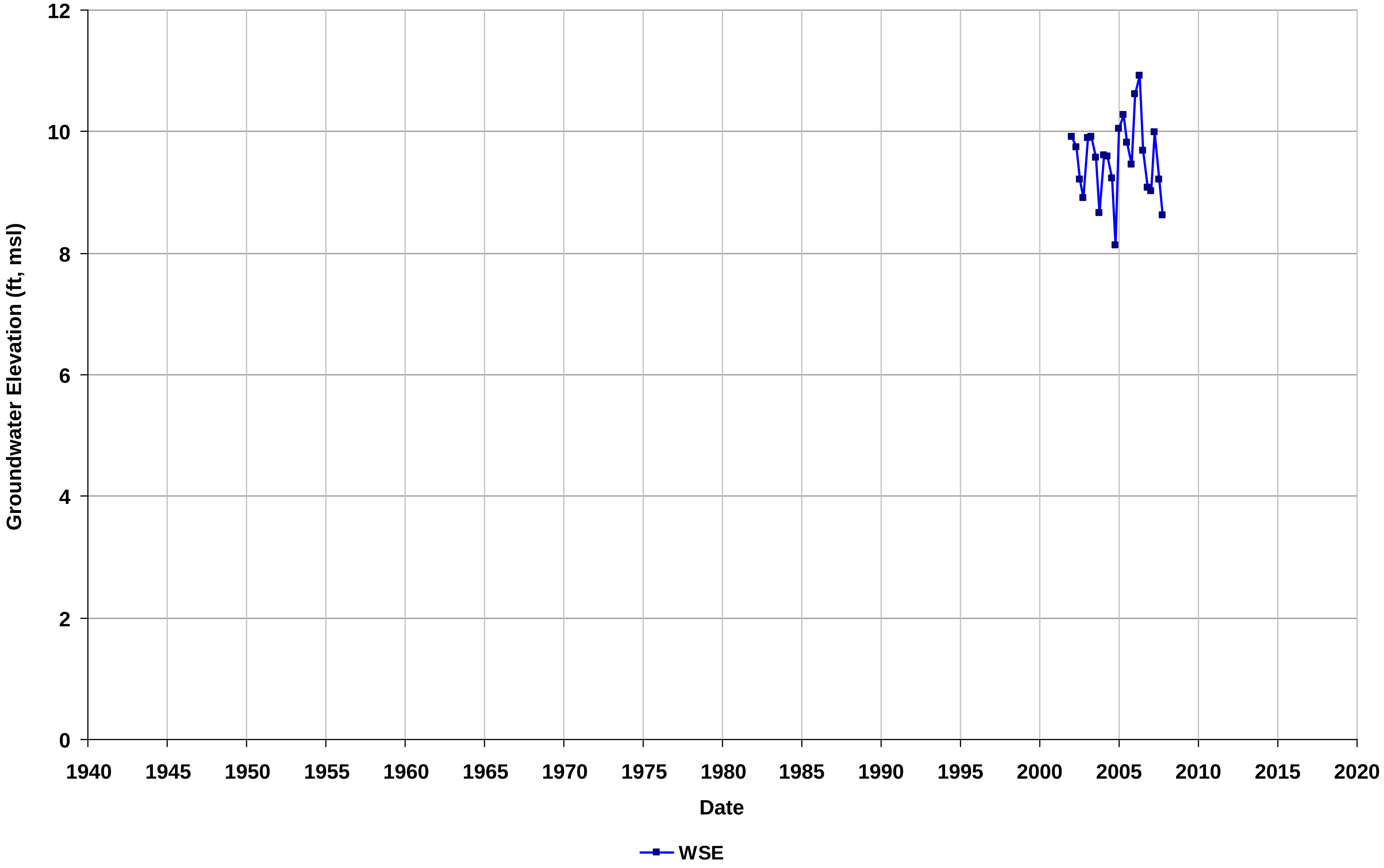
Well Name: T0600101251-CL-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/11
Well Use: Observation



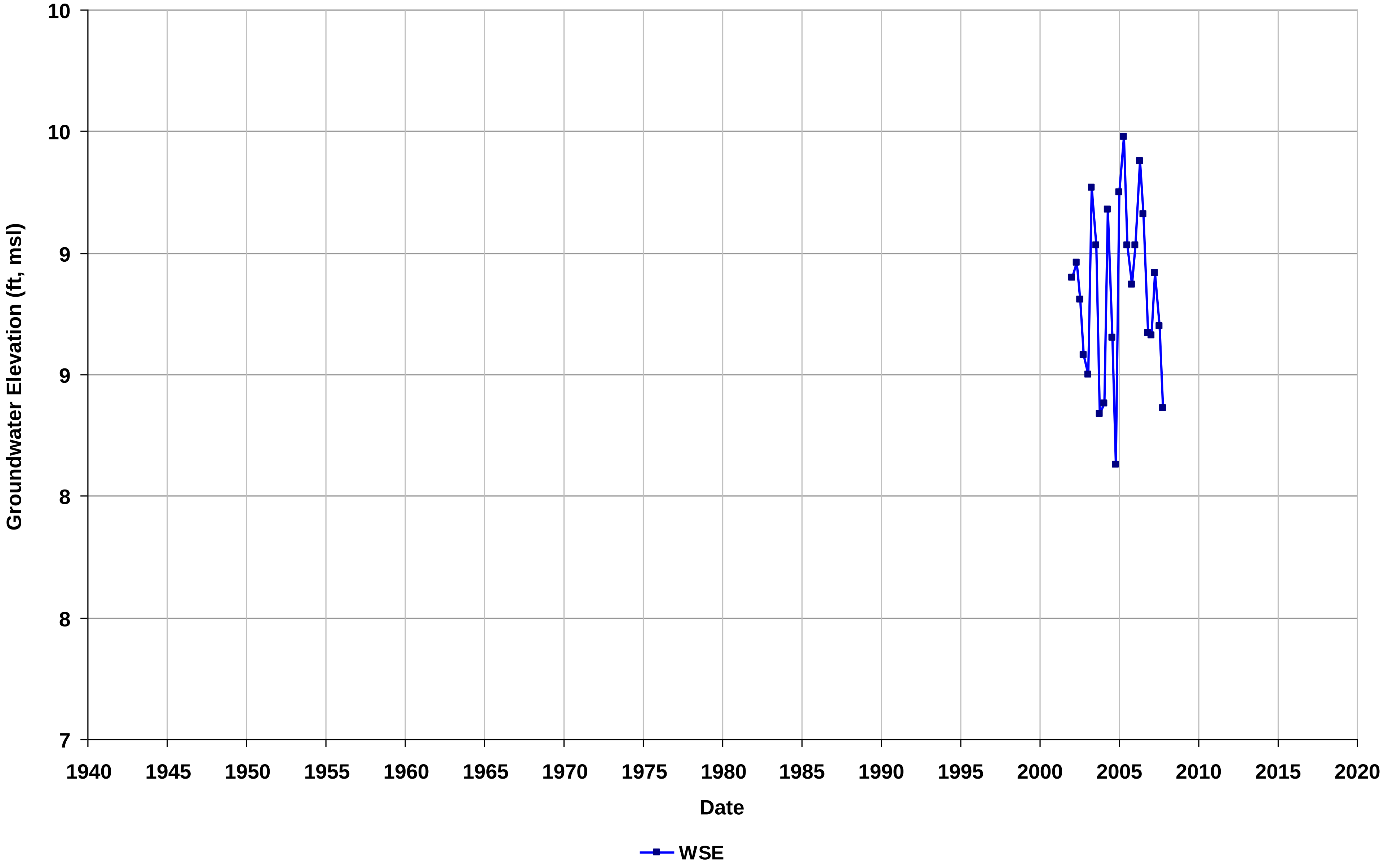
Well Name: T0600101251-S-10
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/11
Well Use: Observation



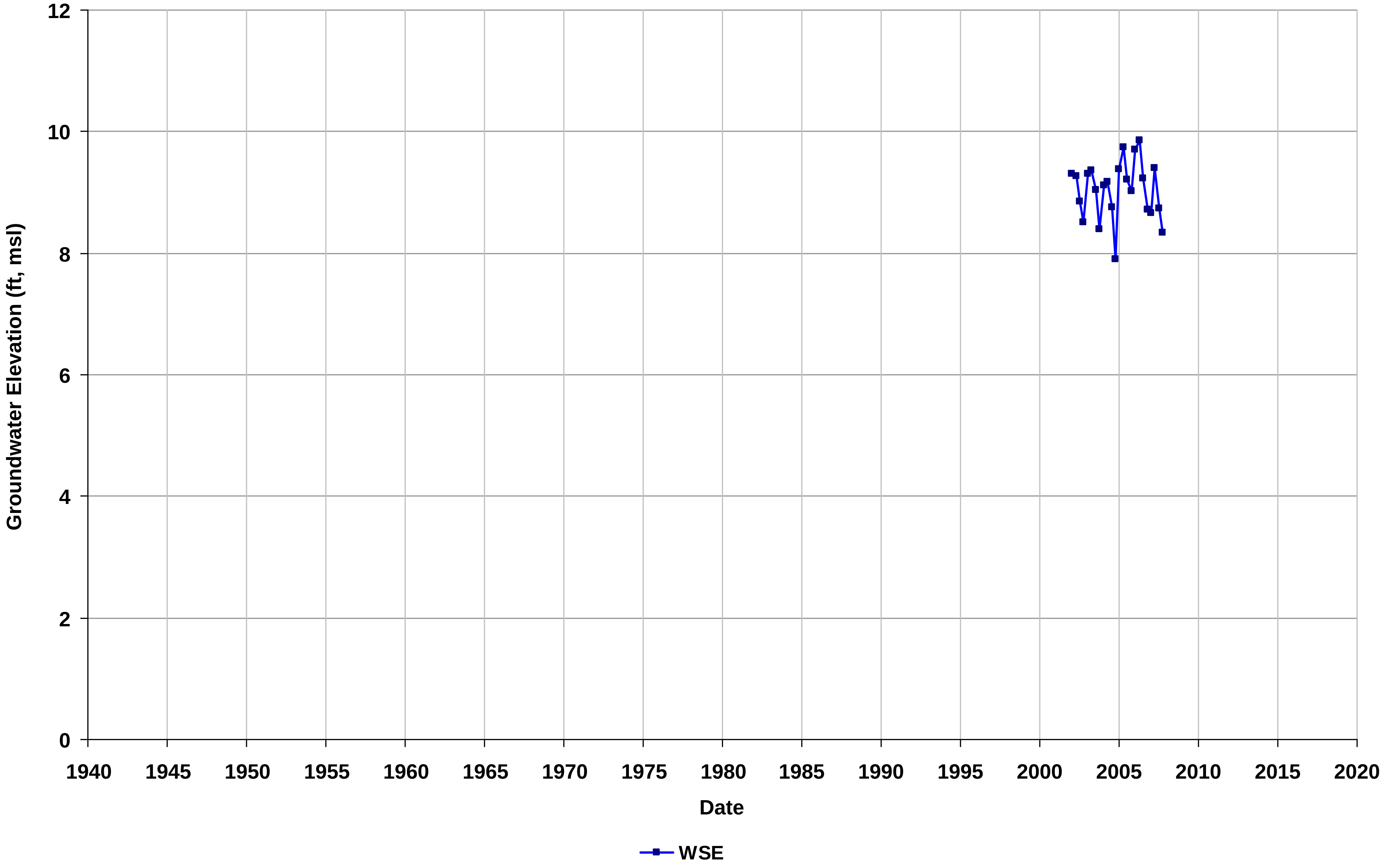
Well Name: T0600101251-S-11
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/11
Well Use: Observation



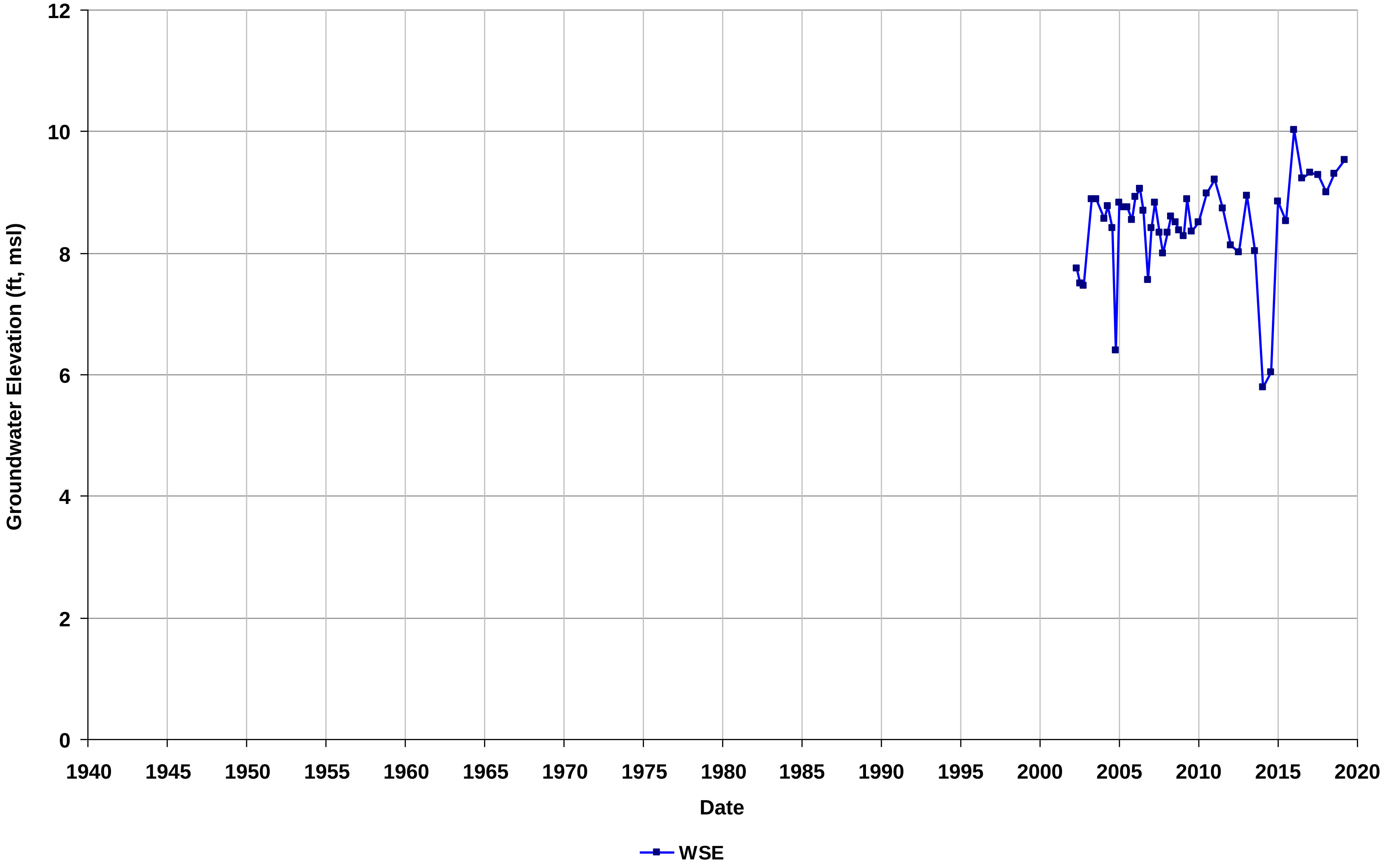
Well Name: T0600101251-S-12
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/11
Well Use: Observation



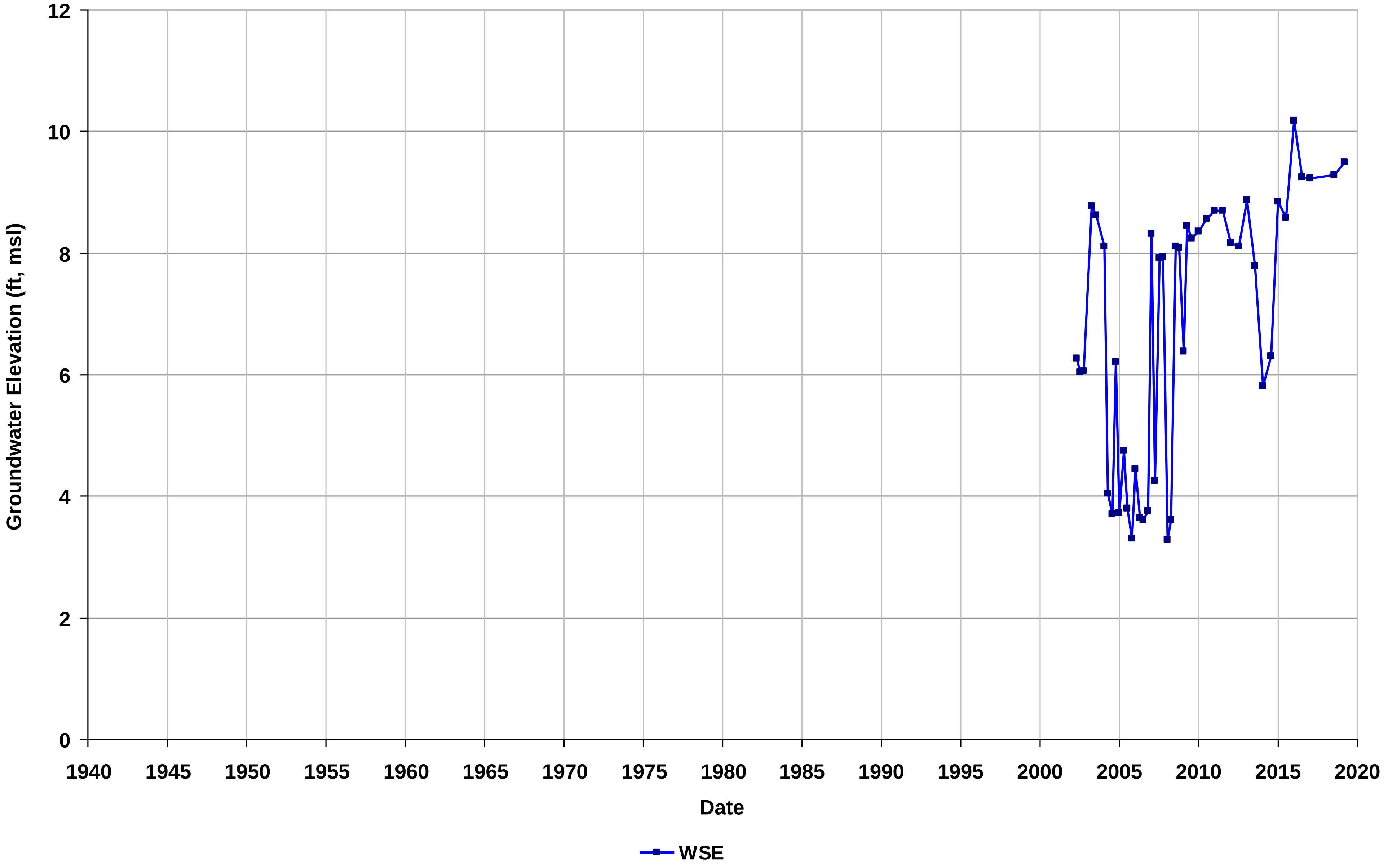
Well Name: T0600101251-S-13
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/11
Well Use: Observation



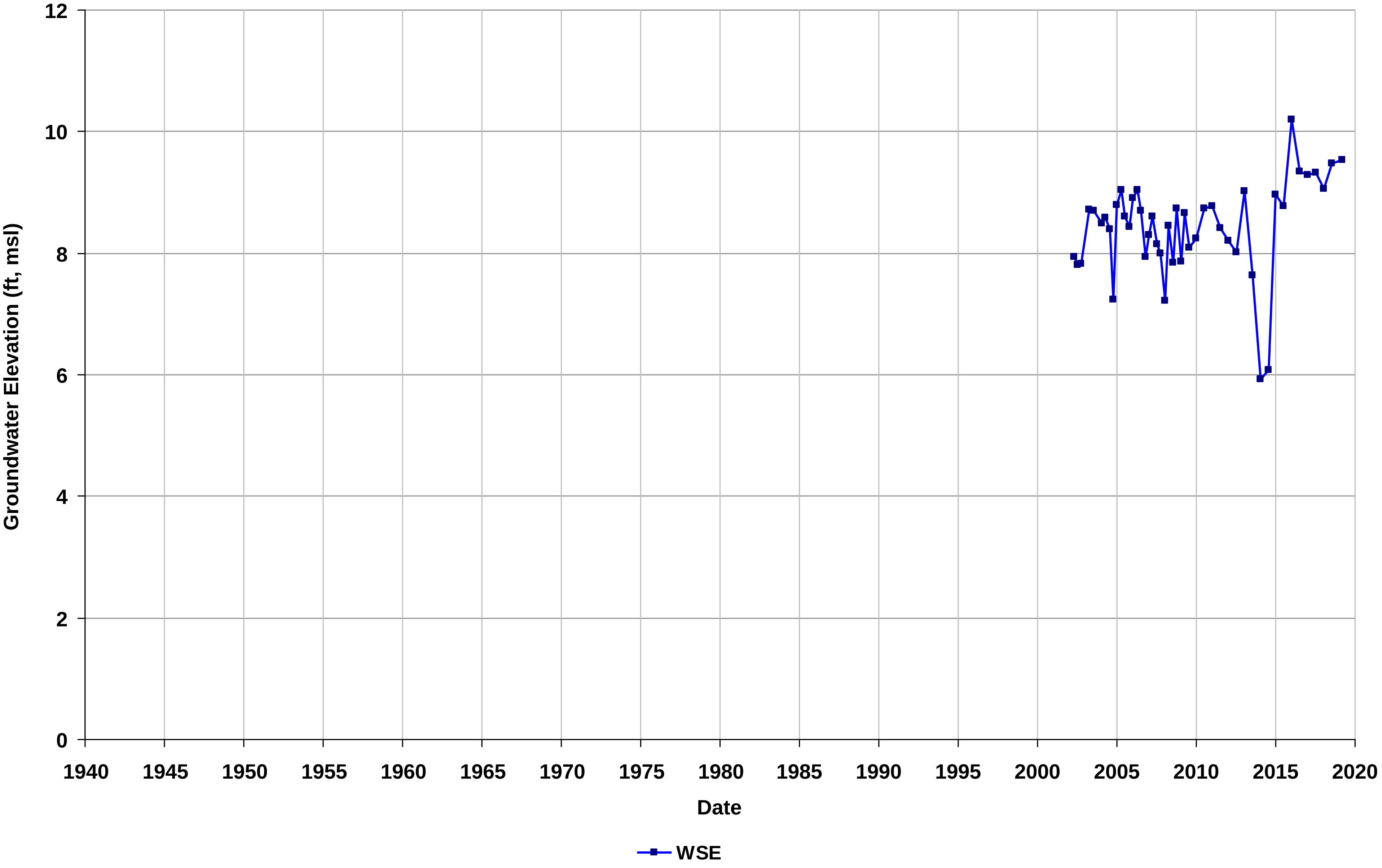
Well Name: T0600101251-S-14
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/11
Well Use: Observation



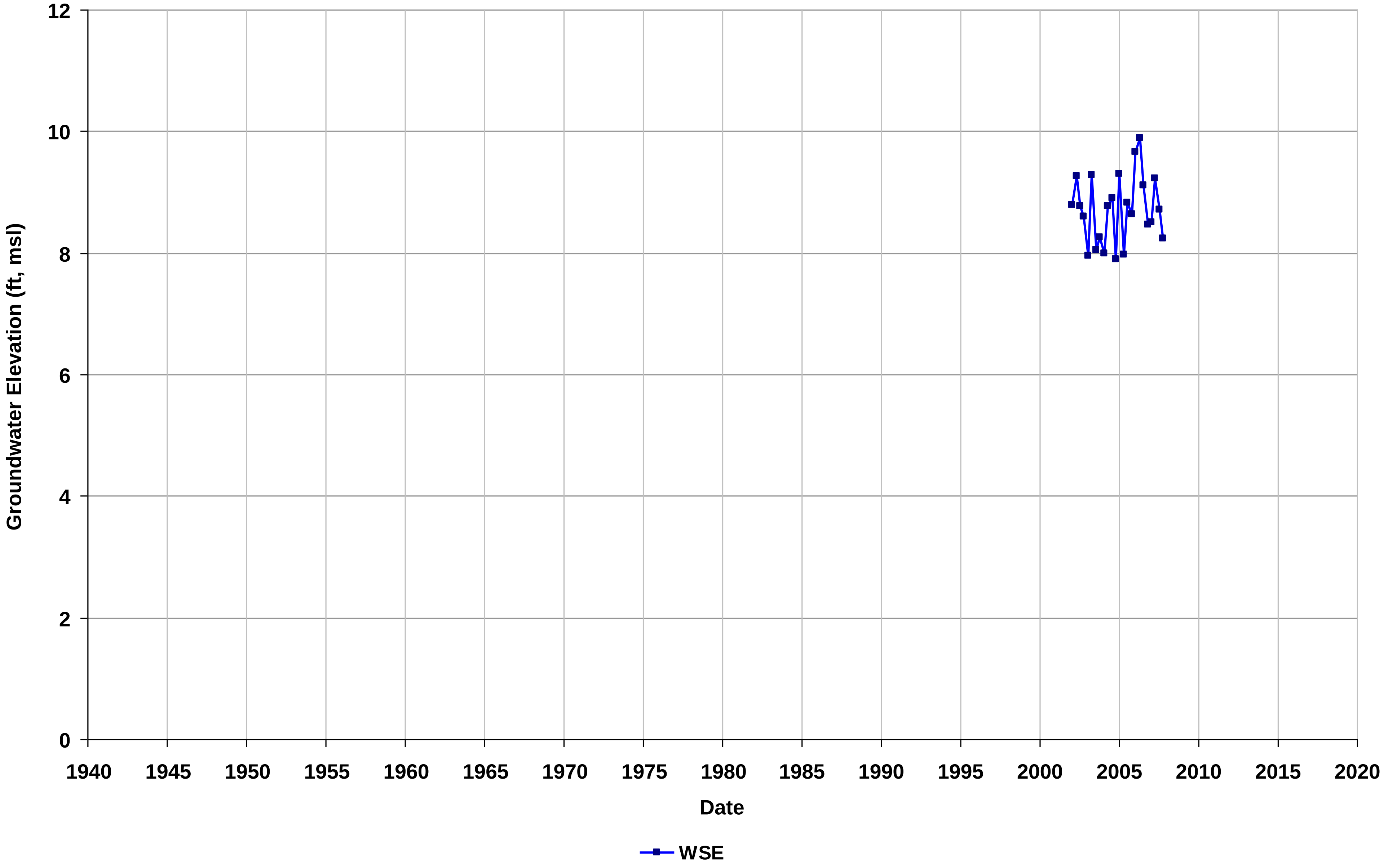
Well Name: T0600101251-S-15
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/11
Well Use: Observation



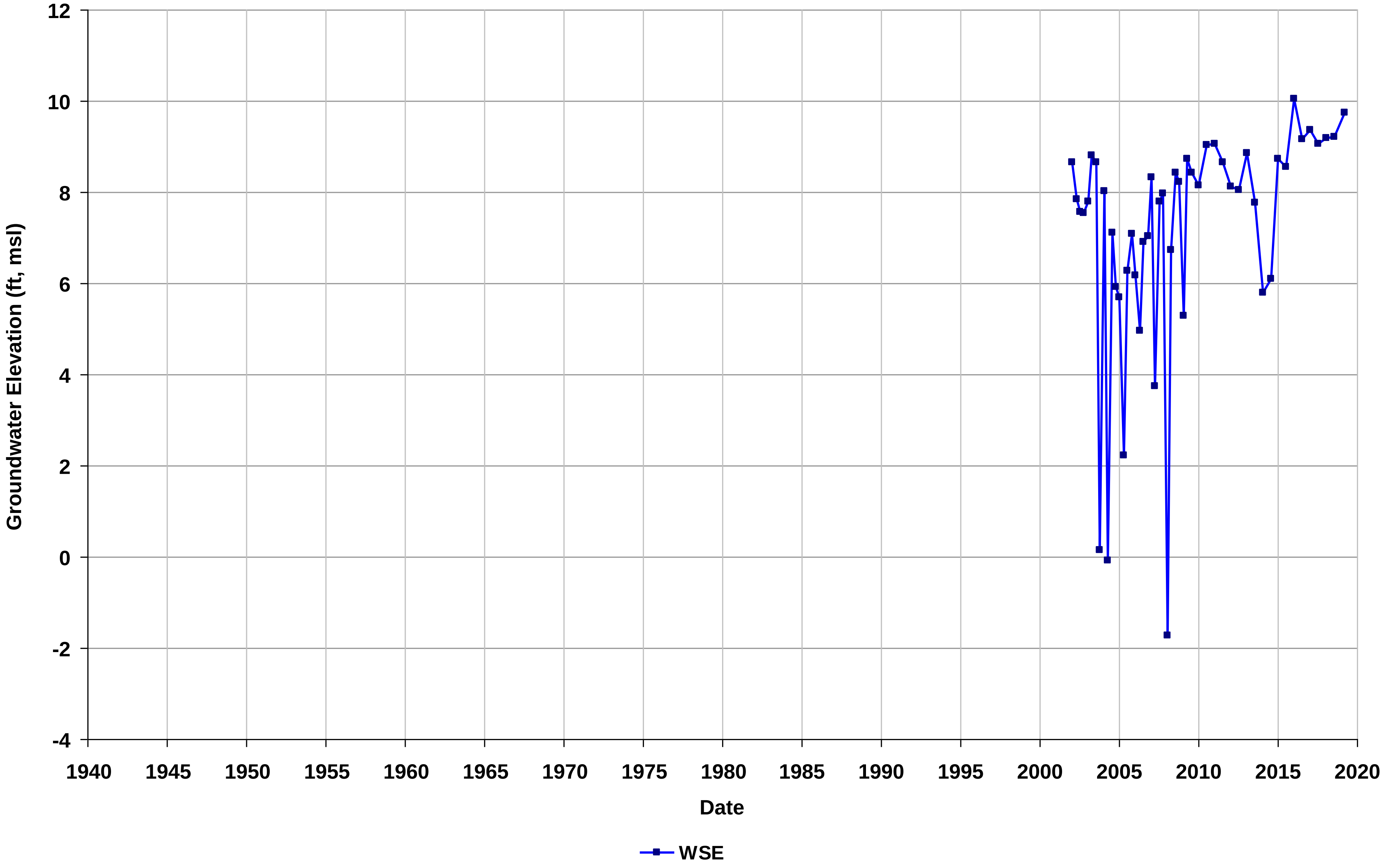
Well Name: T0600101251-S-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/11
Well Use: Observation



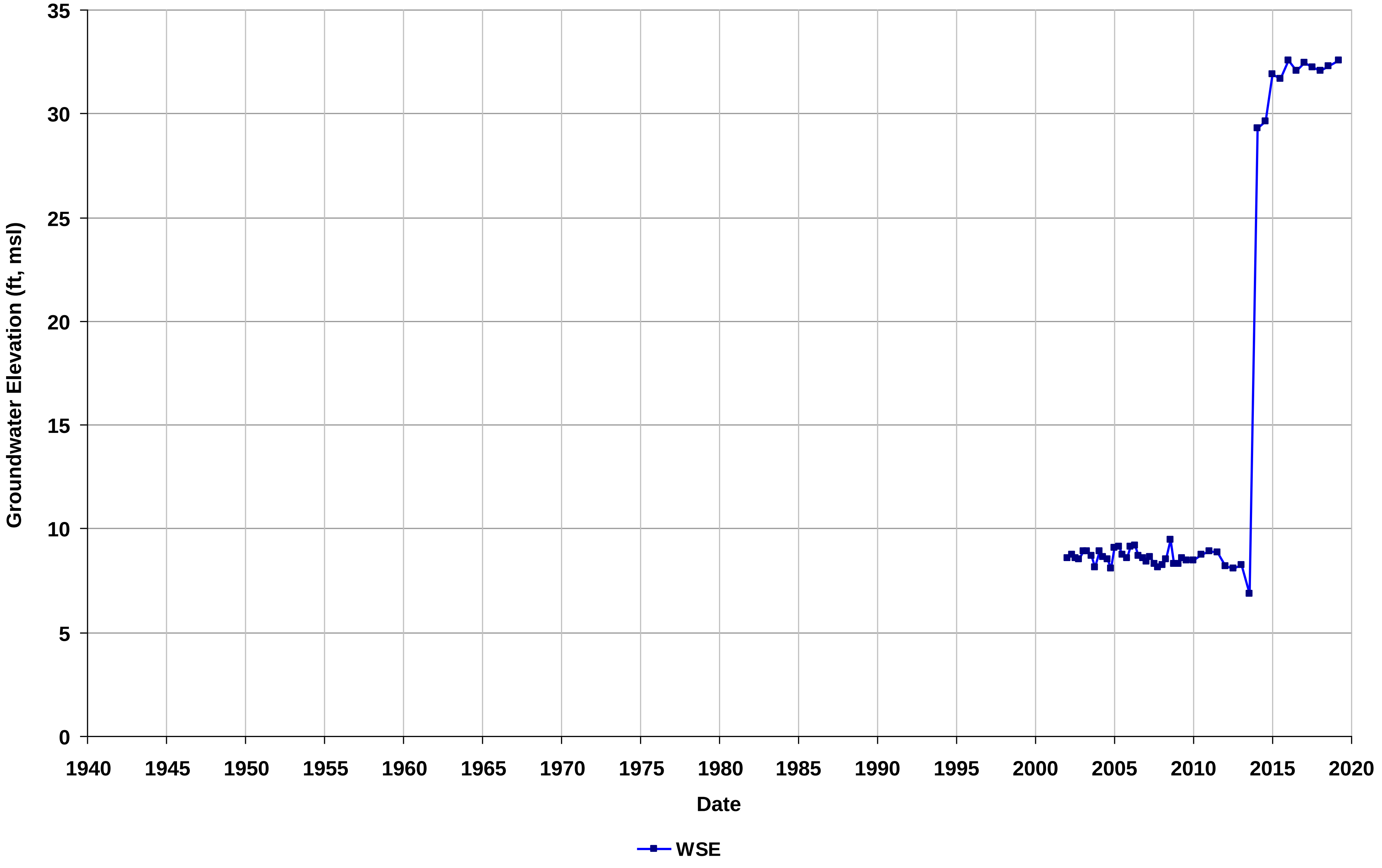
Well Name: T0600101251-S-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/11
Well Use: Observation



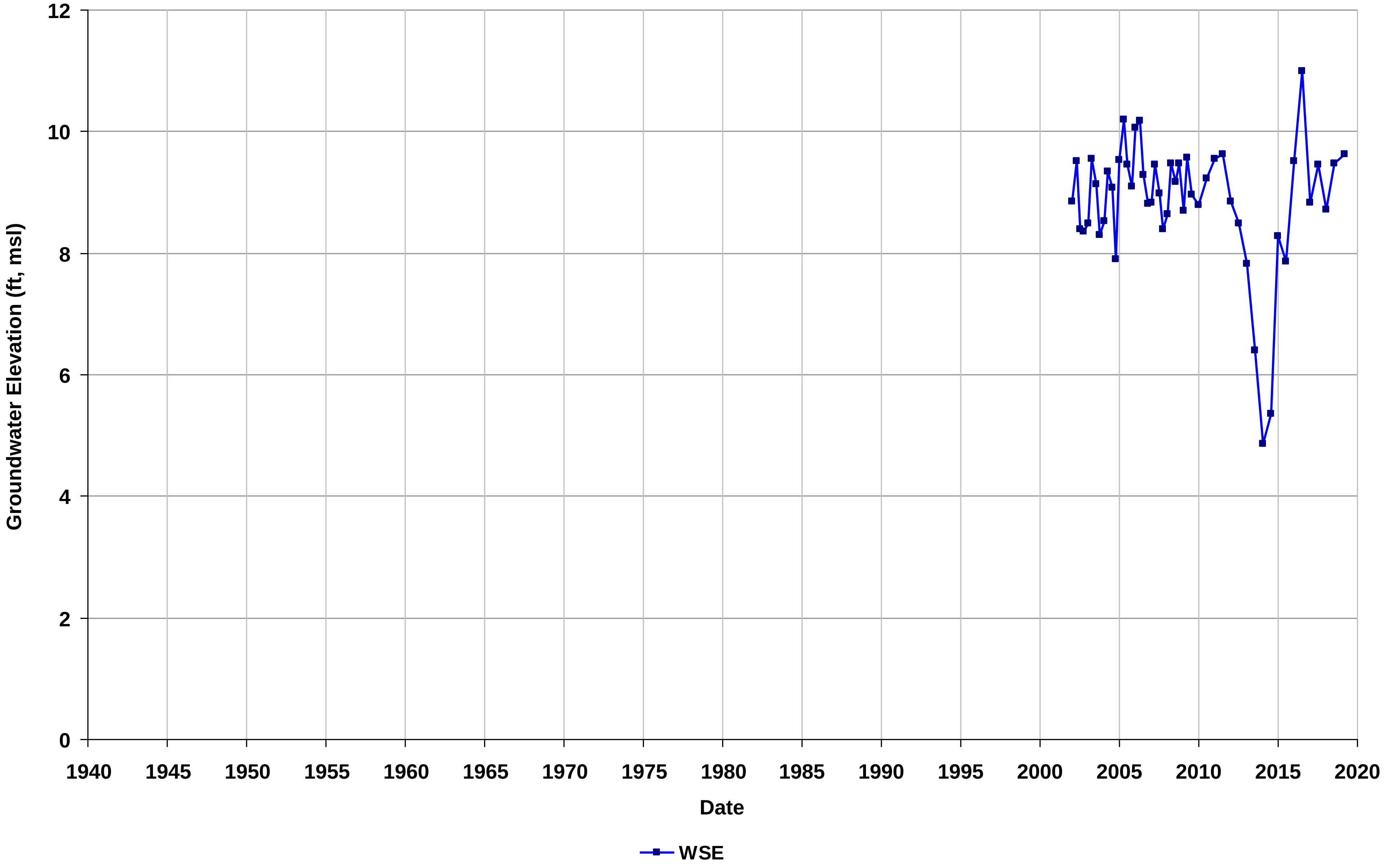
Well Name: T0600101251-S-5
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/11
Well Use: Observation



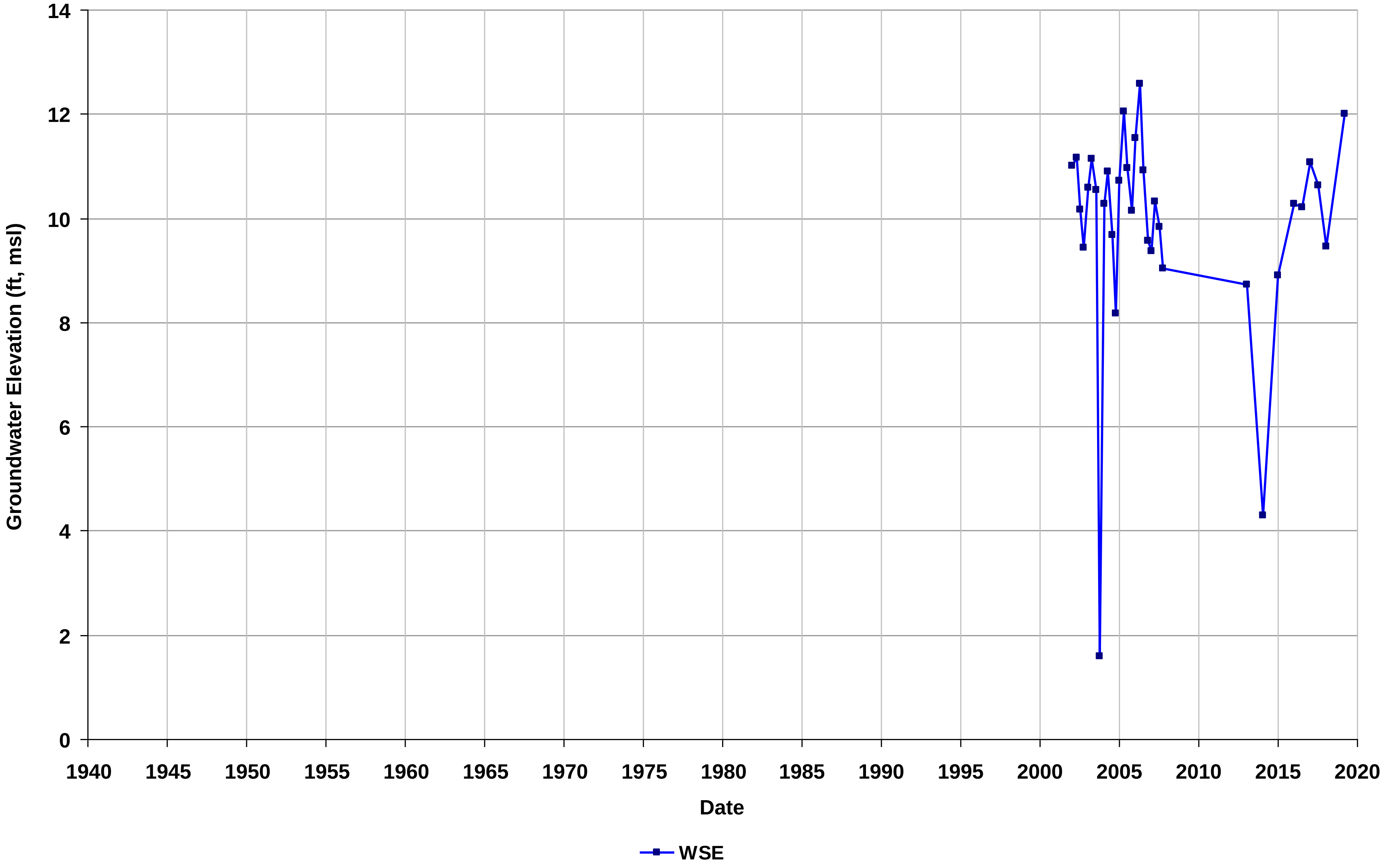
Well Name: T0600101251-S-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/11
Well Use: Observation



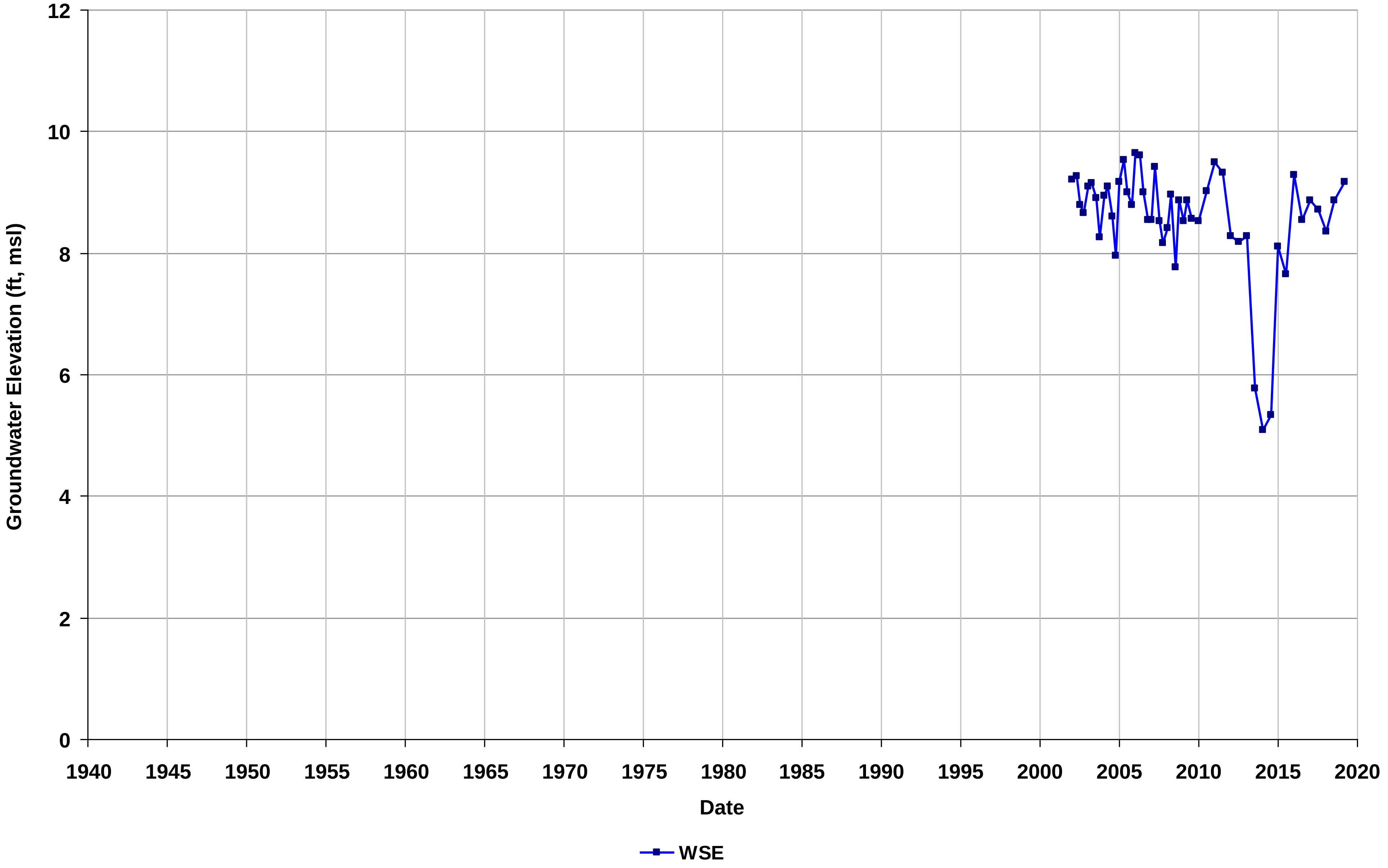
Well Name: T0600101251-S-7
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/11
Well Use: Observation



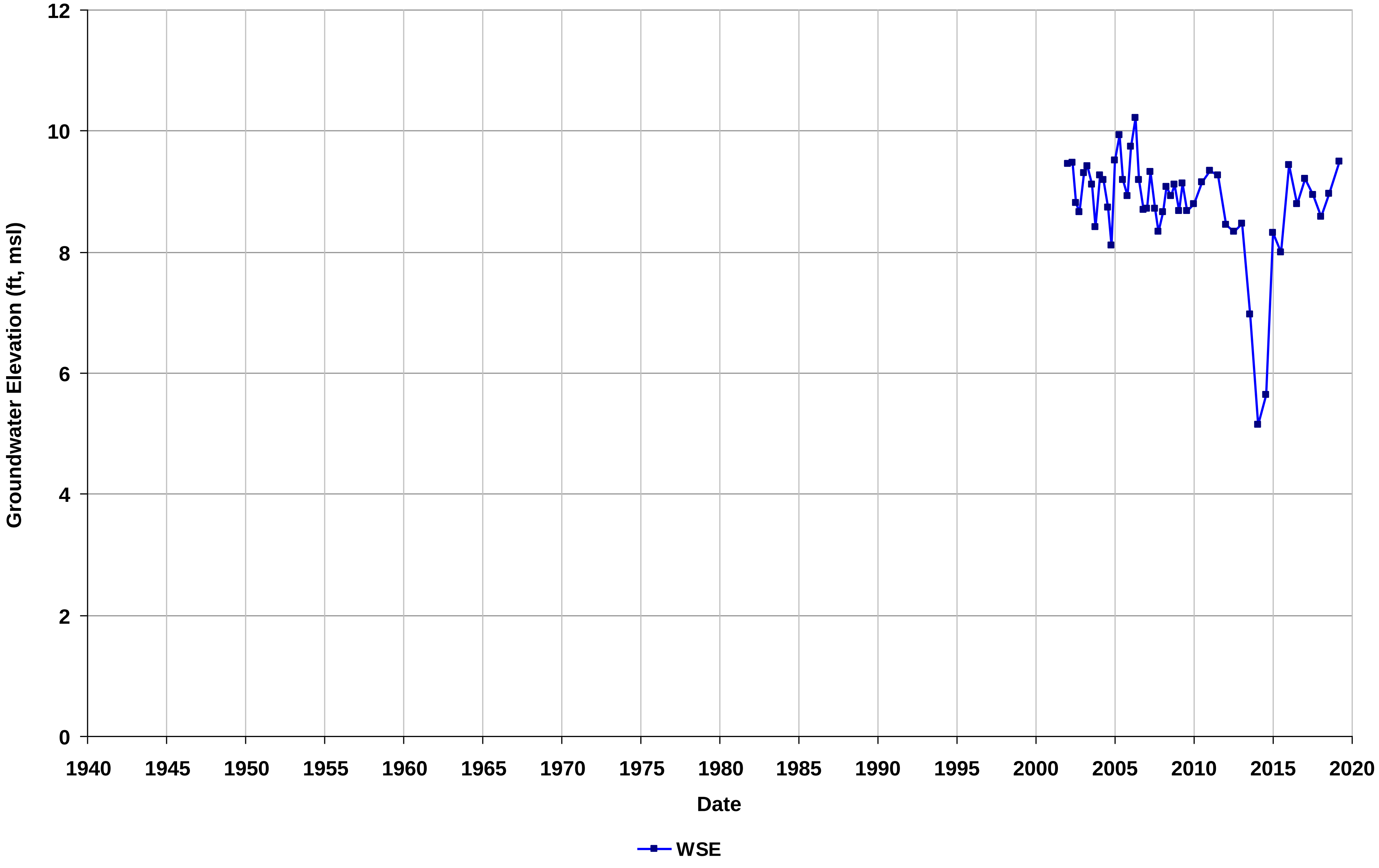
Well Name: T0600101251-S-8
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/11
Well Use: Observation



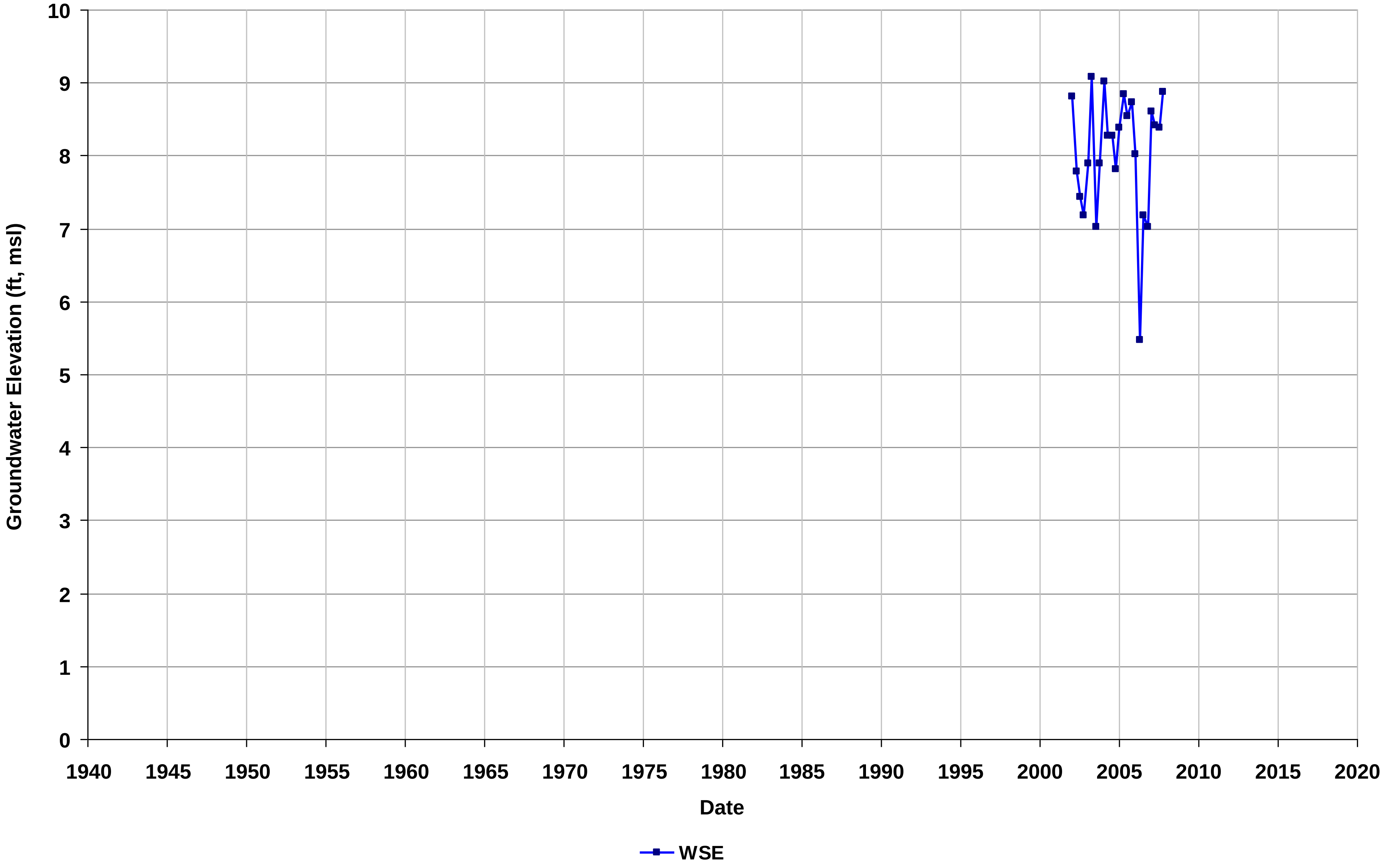
Well Name: T0600101251-S-9
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/11
Well Use: Observation



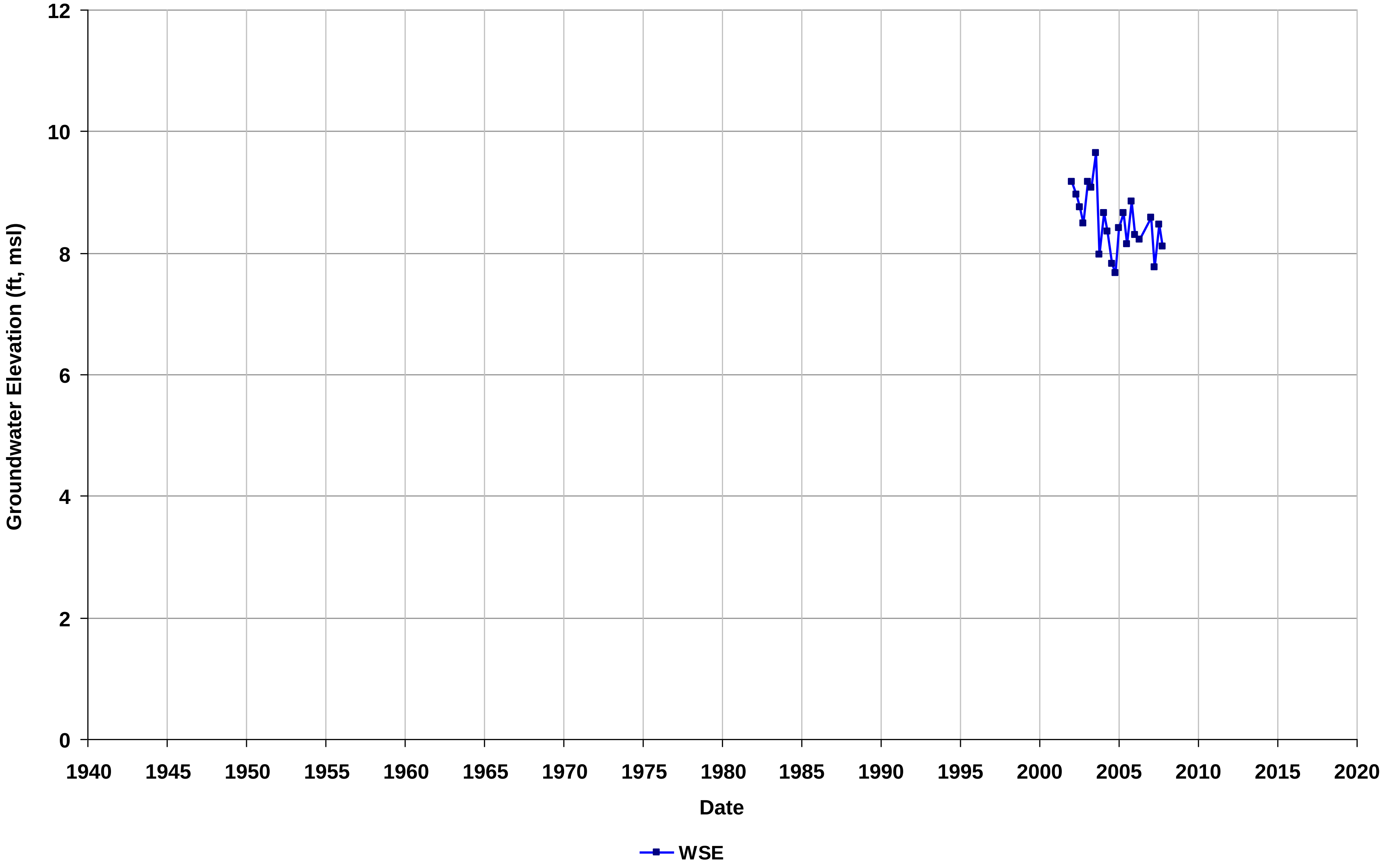
Well Name: T0600101251-TB-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/11
Well Use: Observation



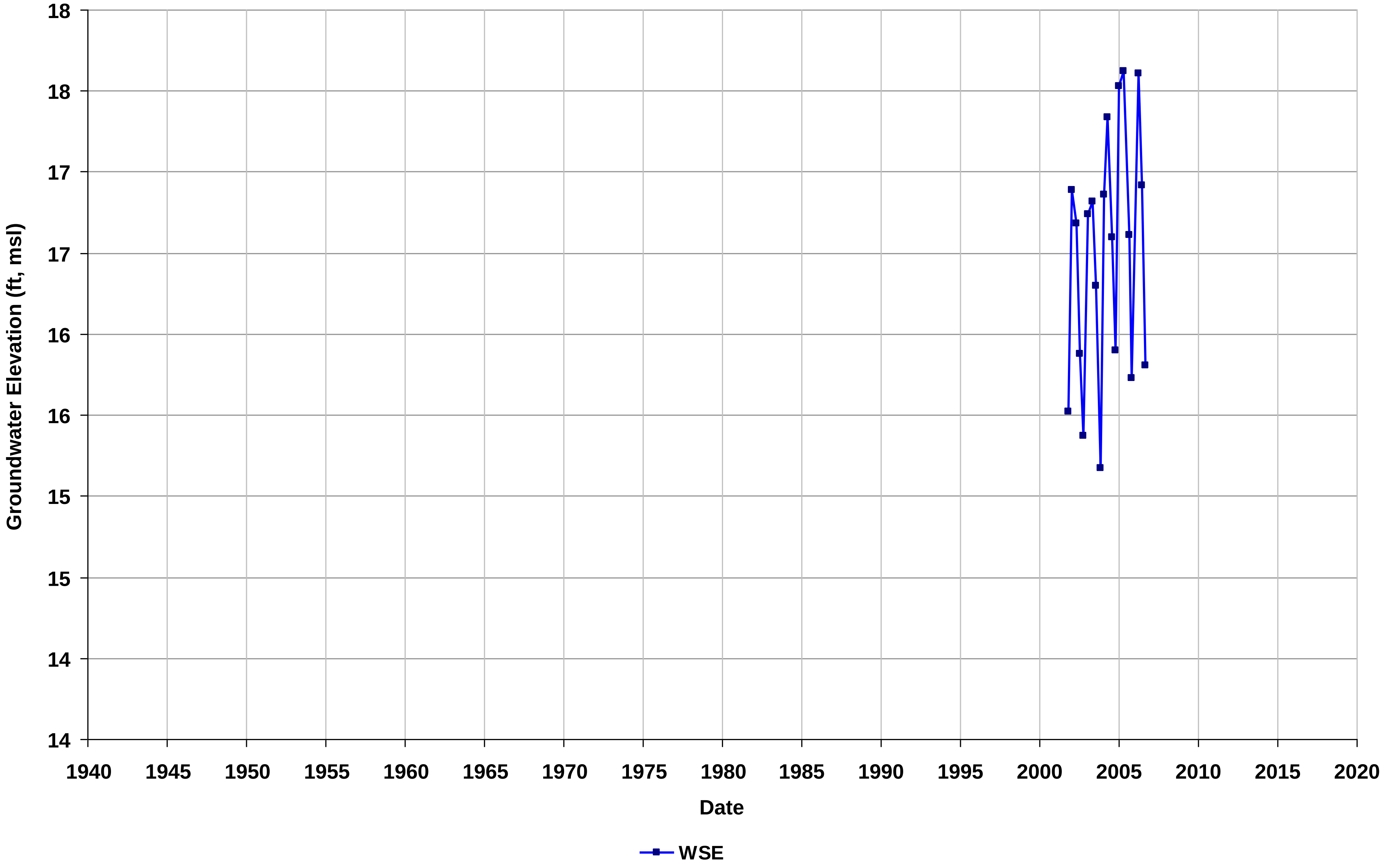
Well Name: T0600101251-TB-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/11
Well Use: Observation



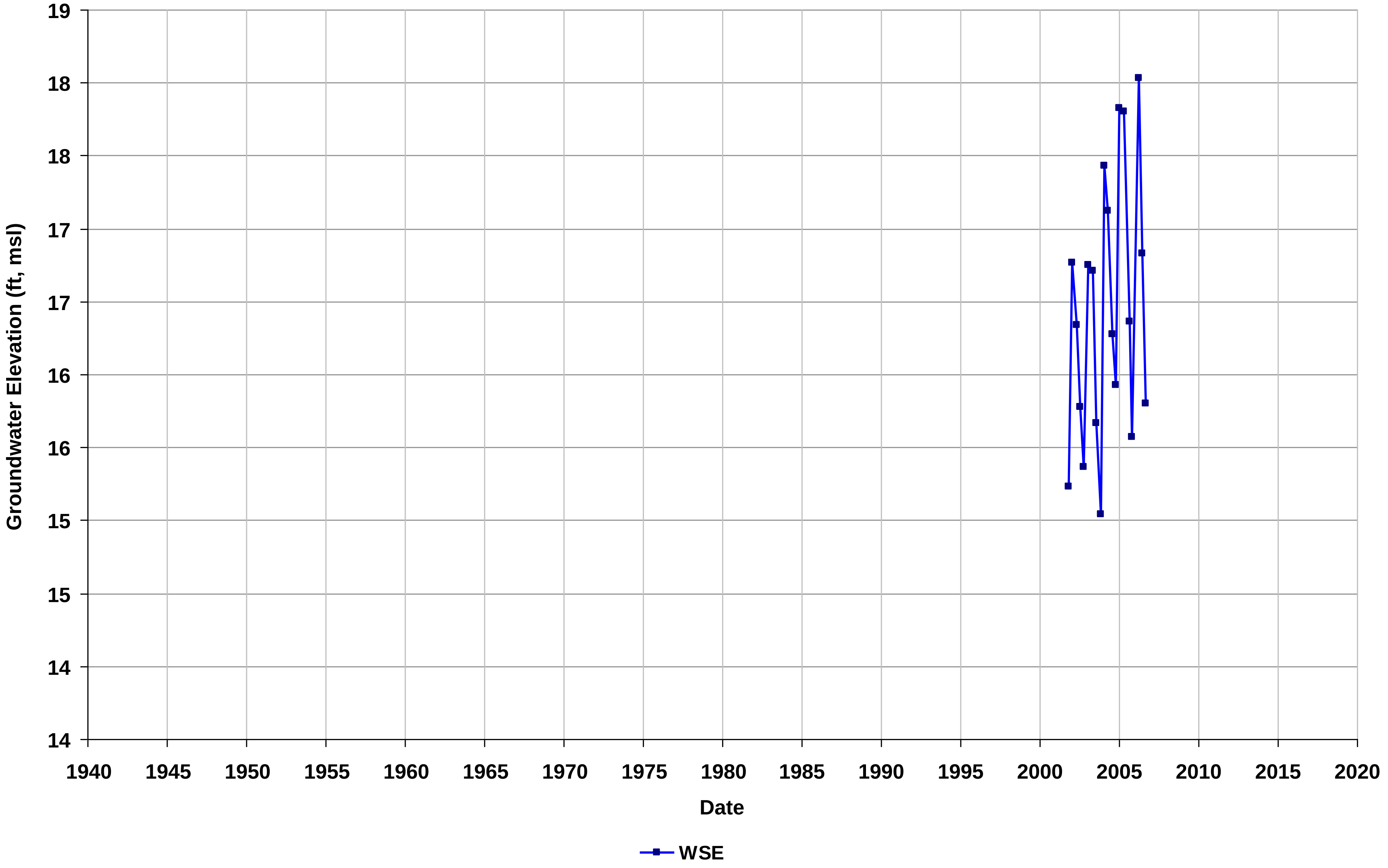
Well Name: T0600101255-S-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/25
Well Use: Observation



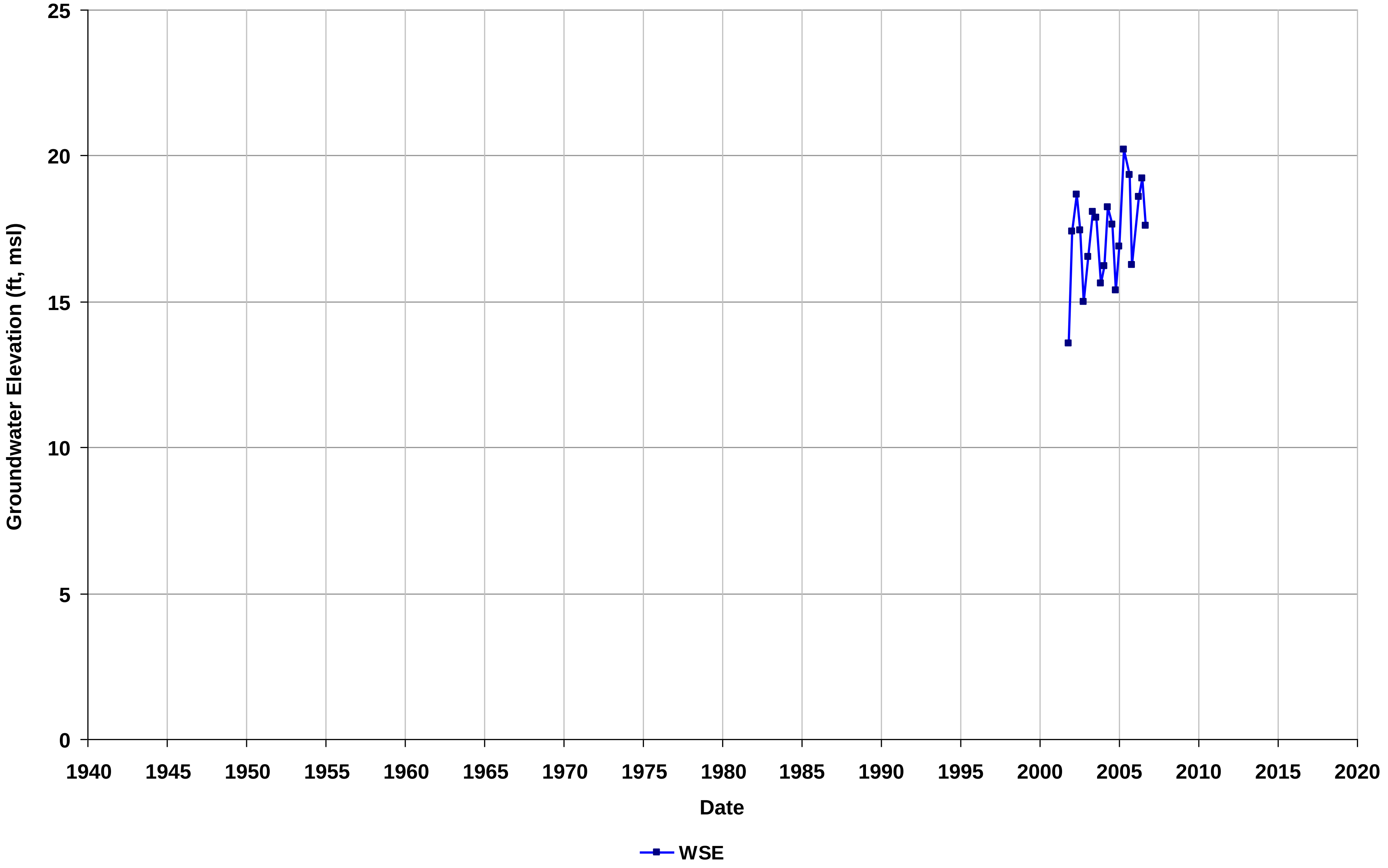
Well Name: T0600101255-S-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/25
Well Use: Observation



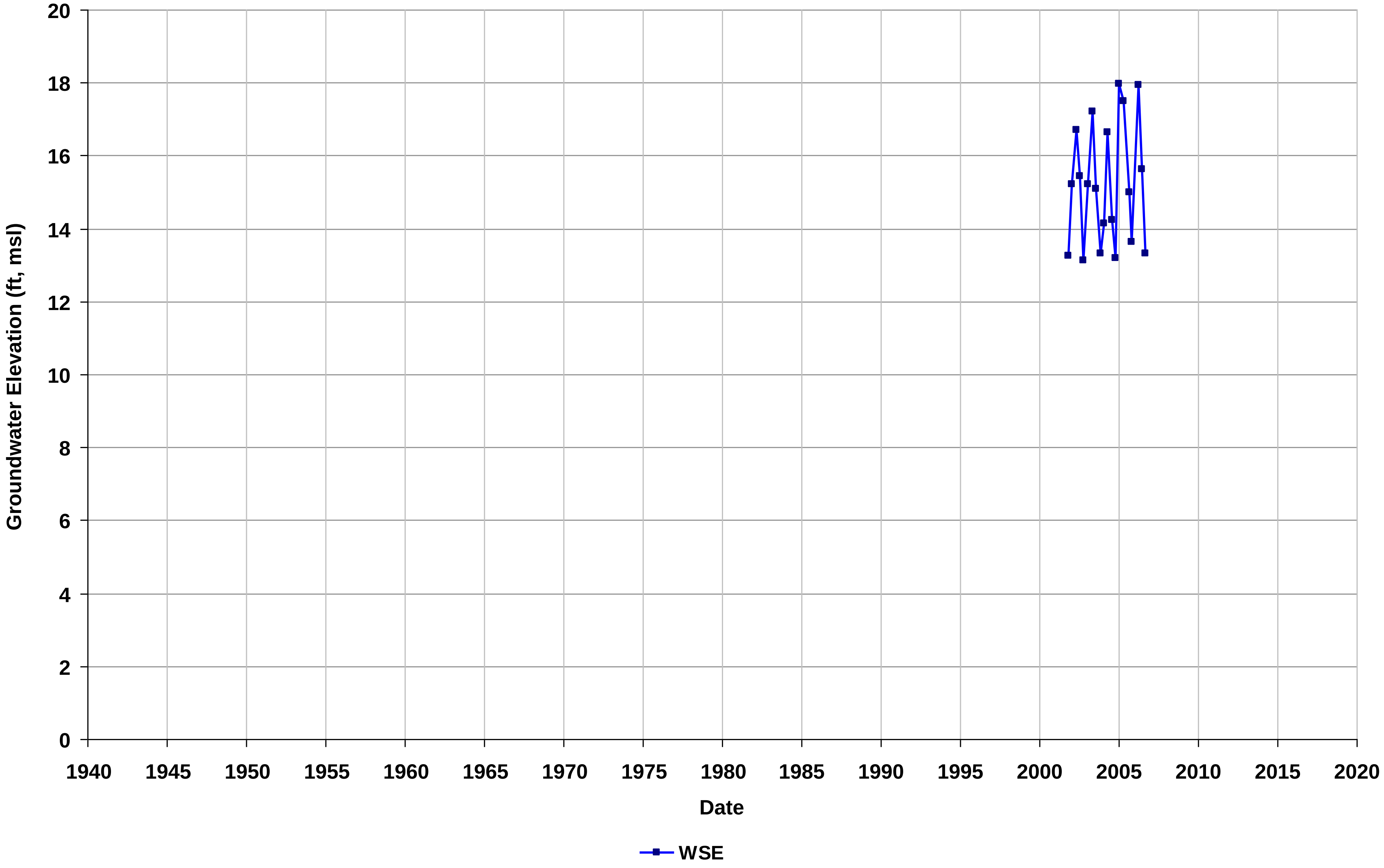
Well Name: T0600101255-S-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/25
Well Use: Observation



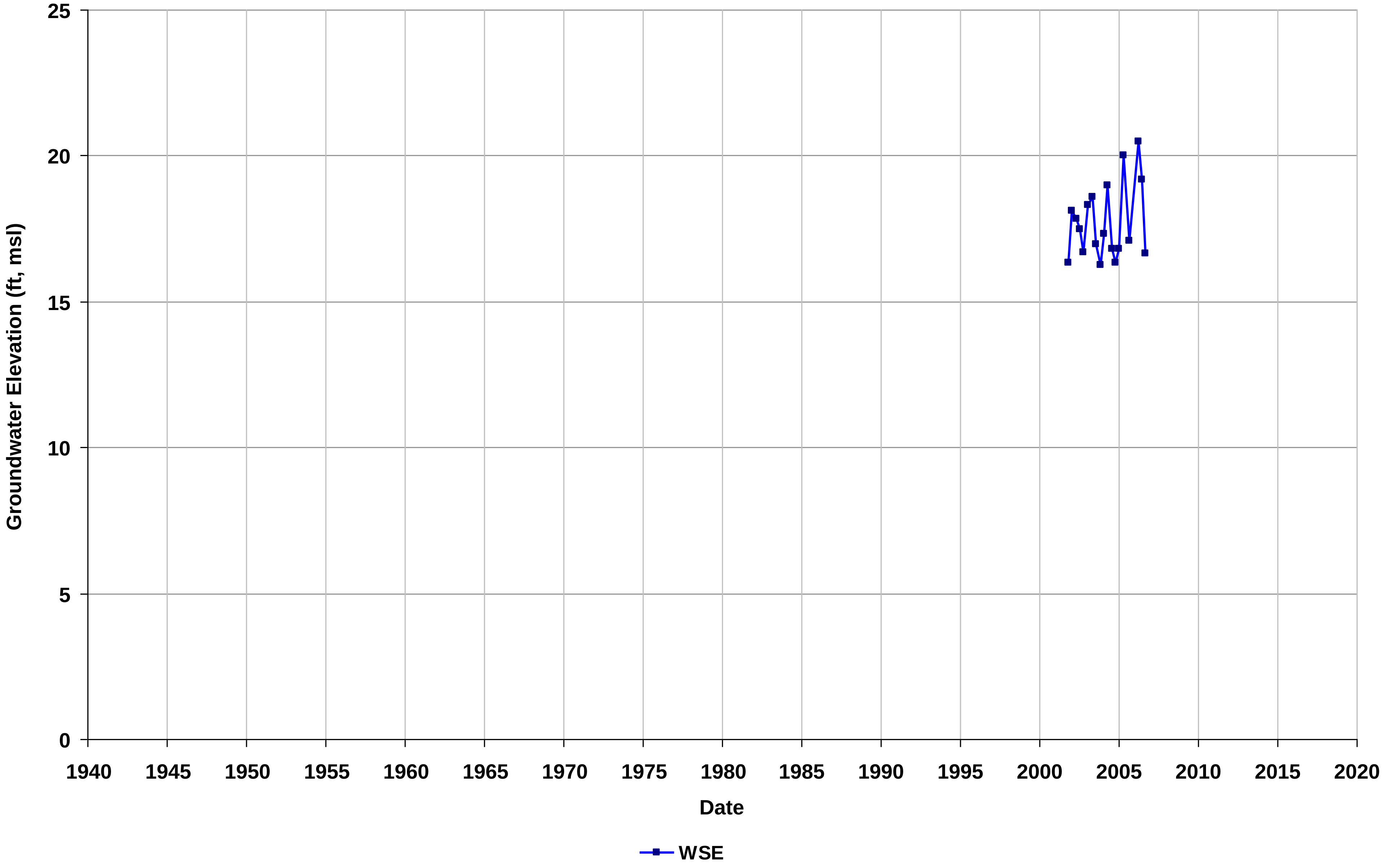
Well Name: T0600101255-S-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/25
Well Use: Observation



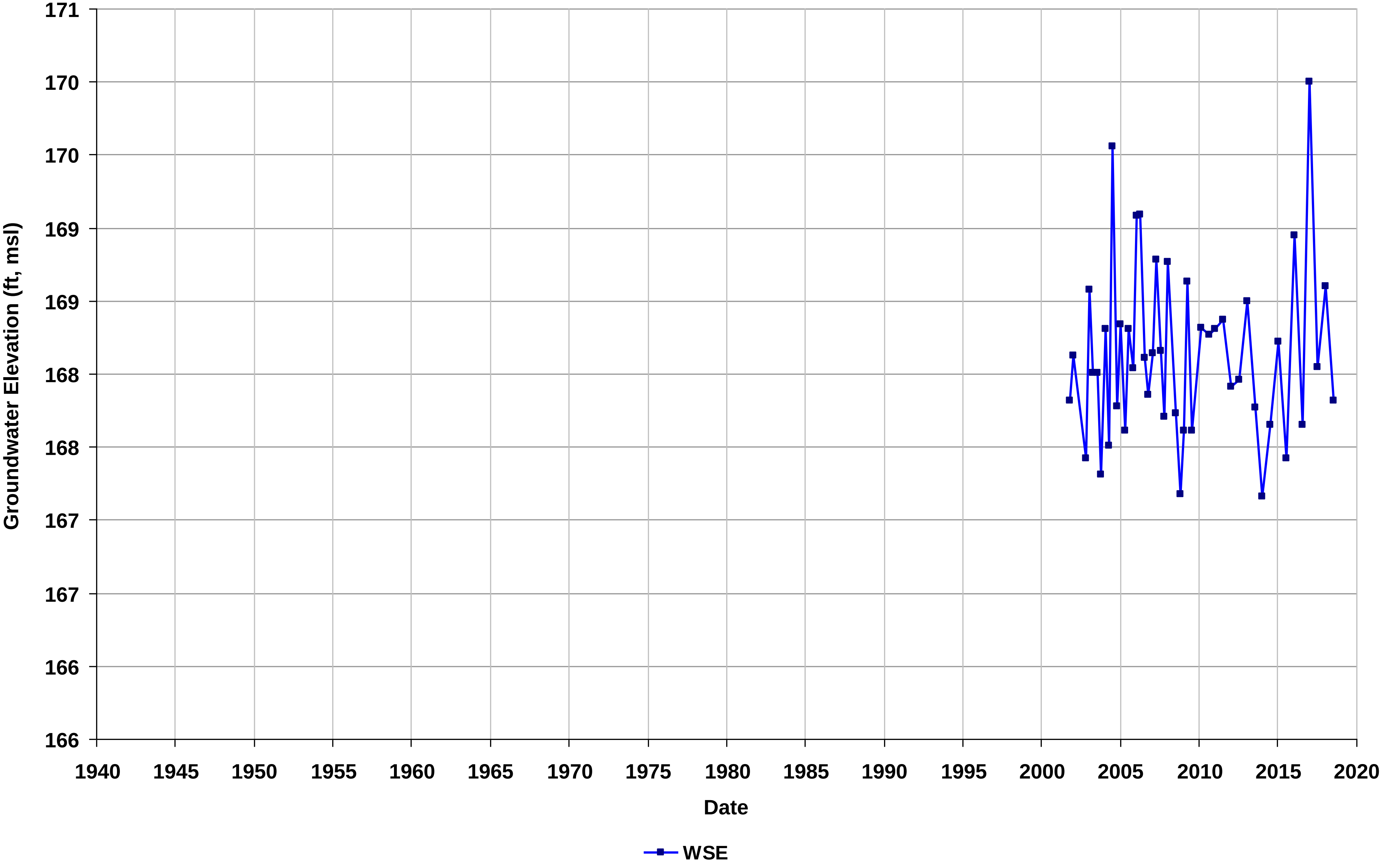
Well Name: T0600101255-S-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/25
Well Use: Observation



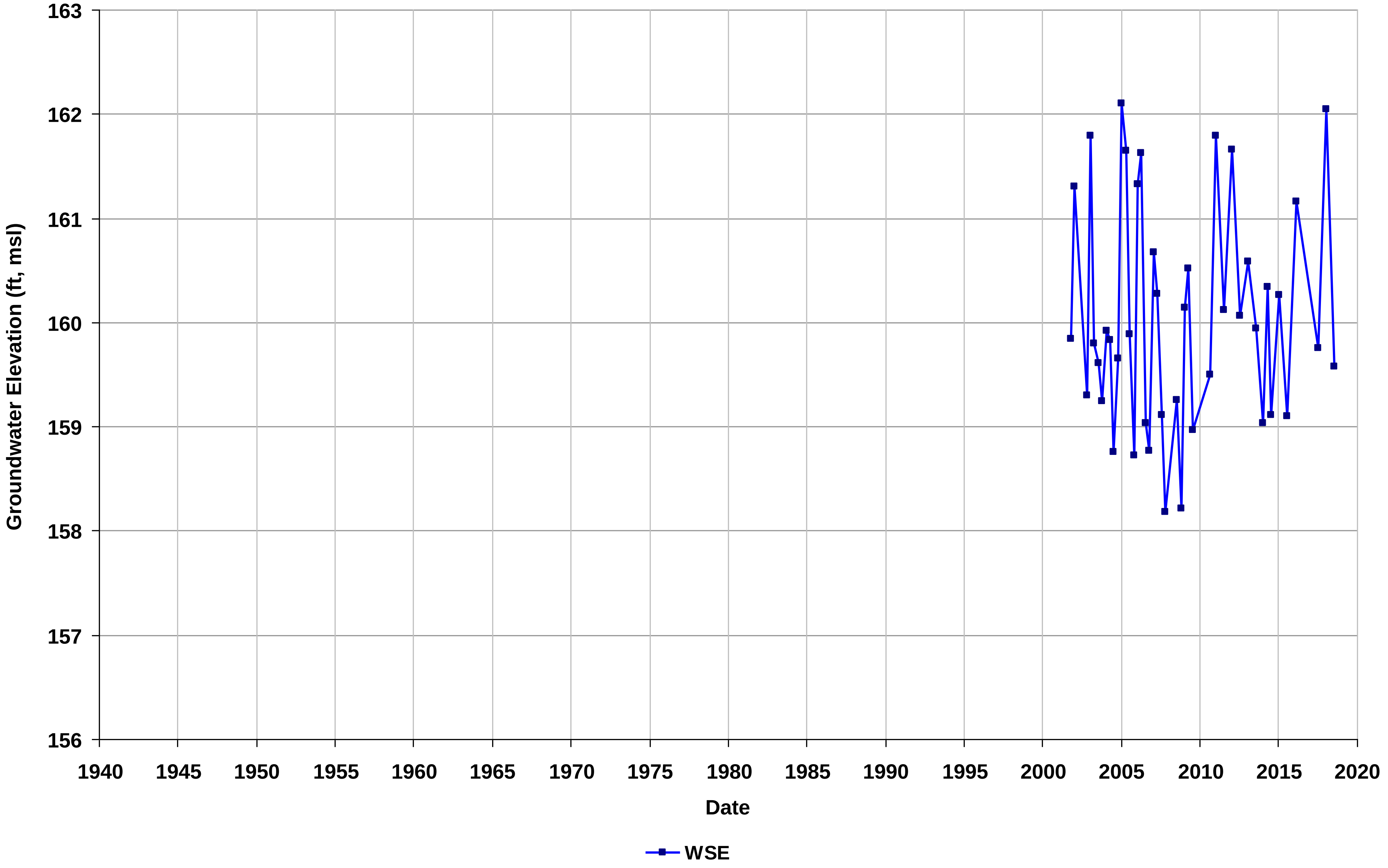
Well Name: T0600101261-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



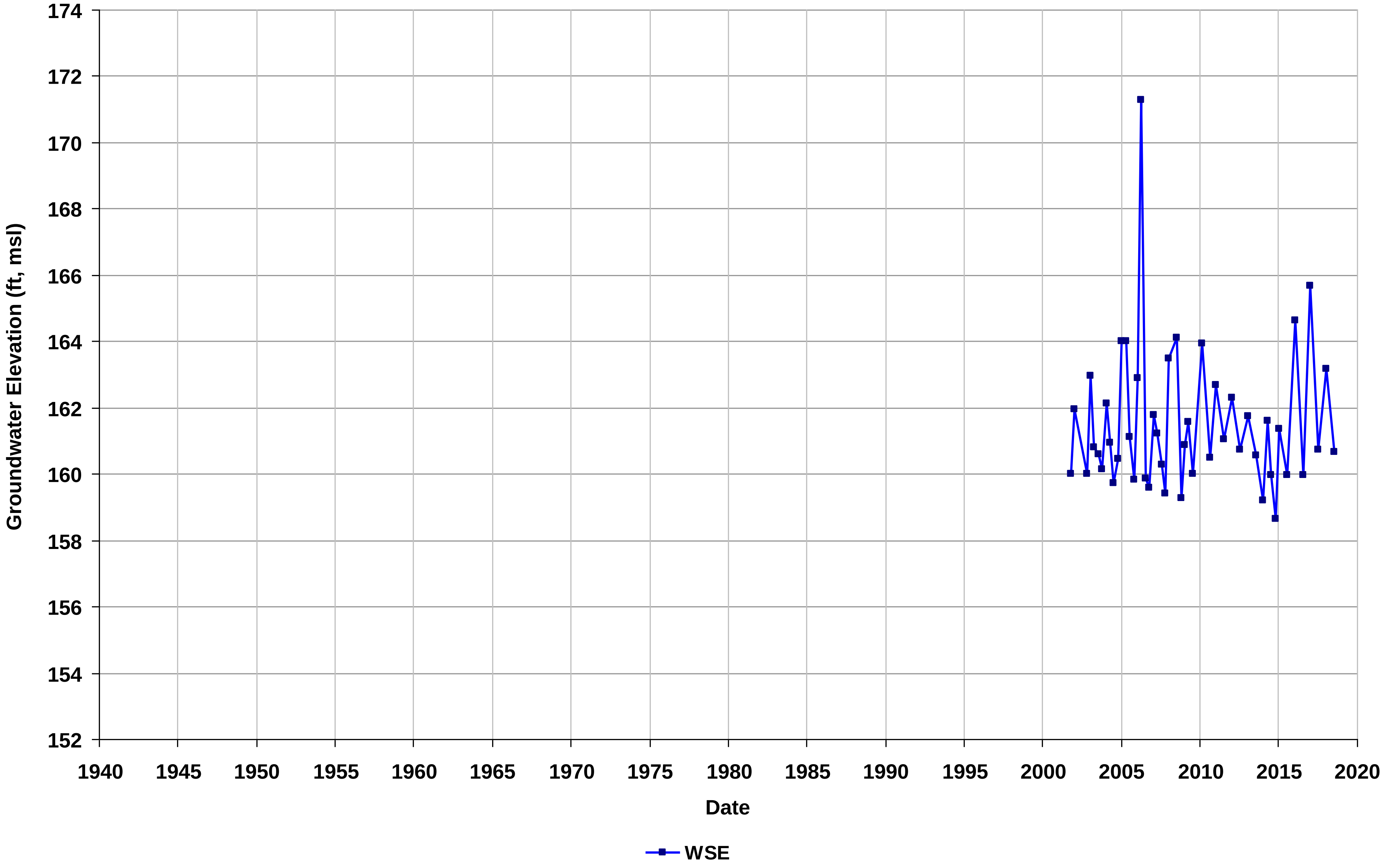
Well Name: T0600101261-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



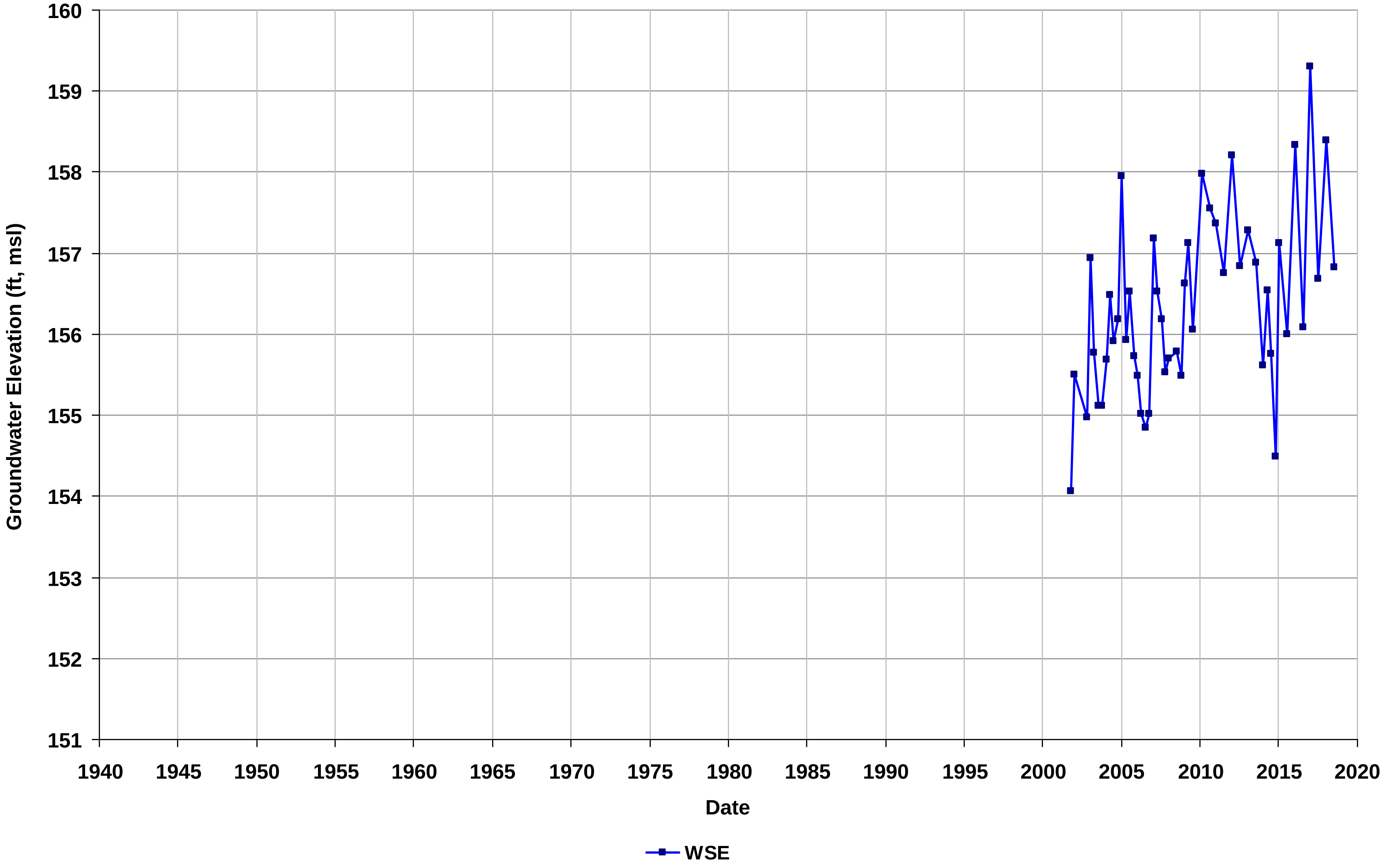
Well Name: T0600101261-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



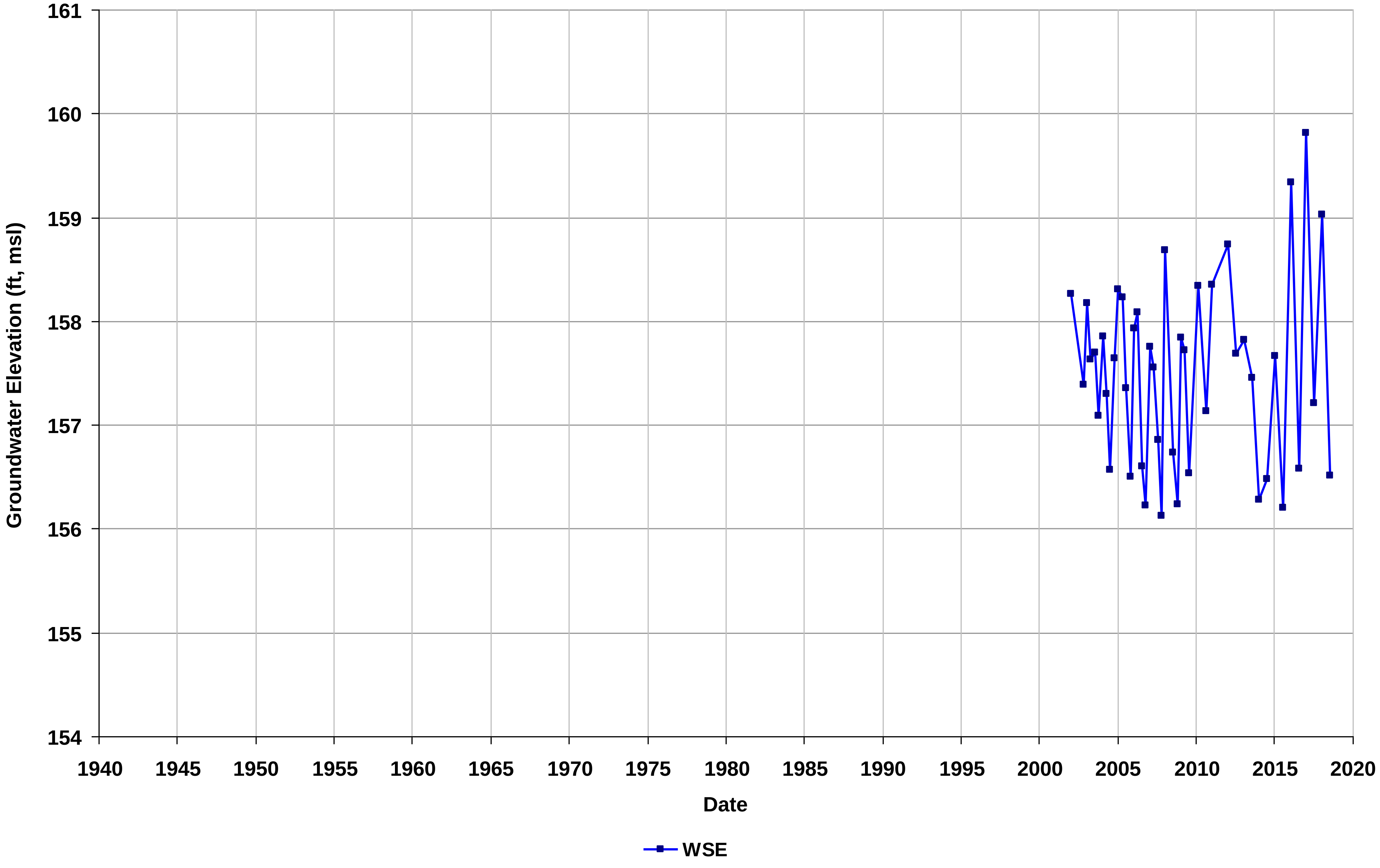
Well Name: T0600101261-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



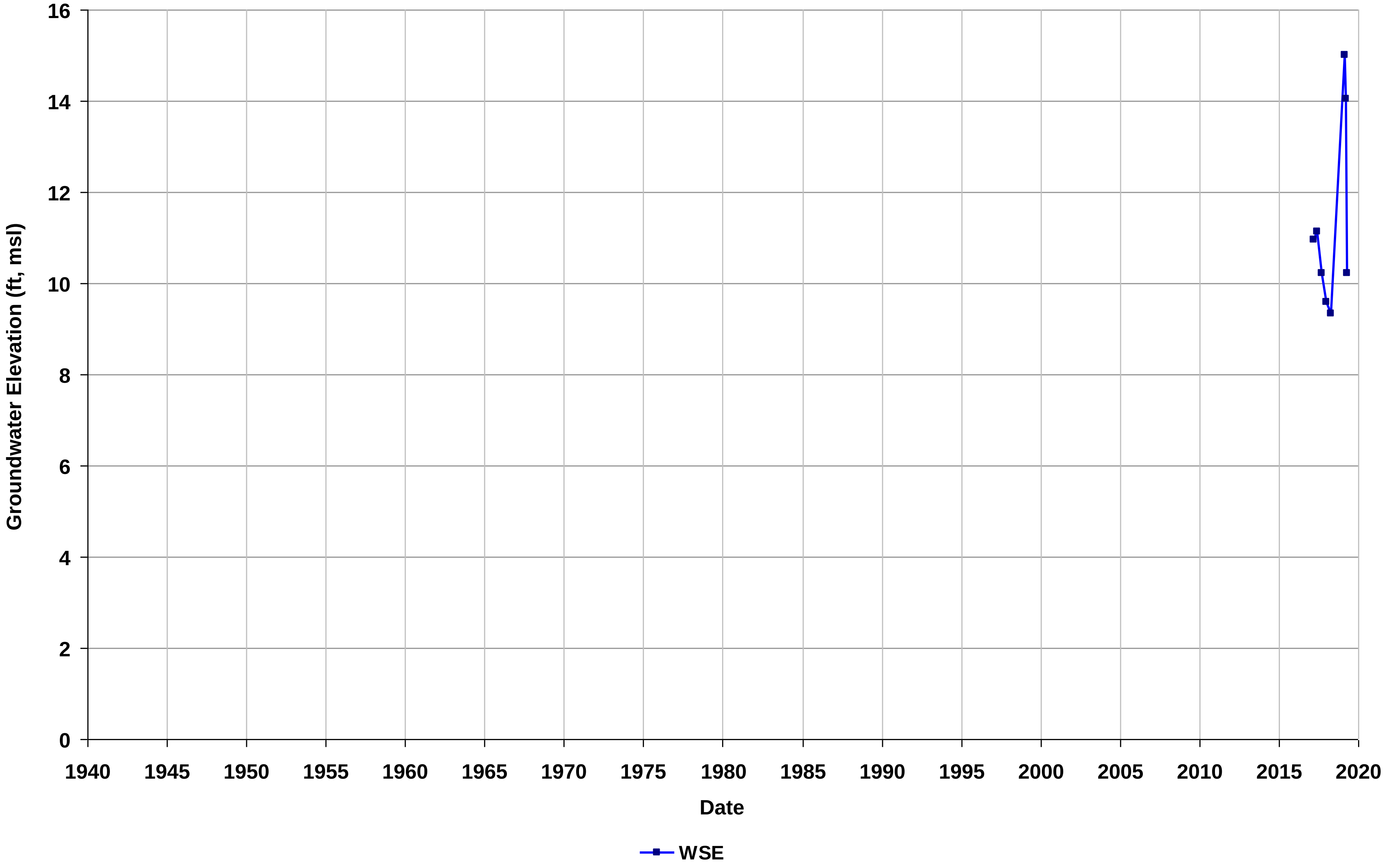
Well Name: T0600101261-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



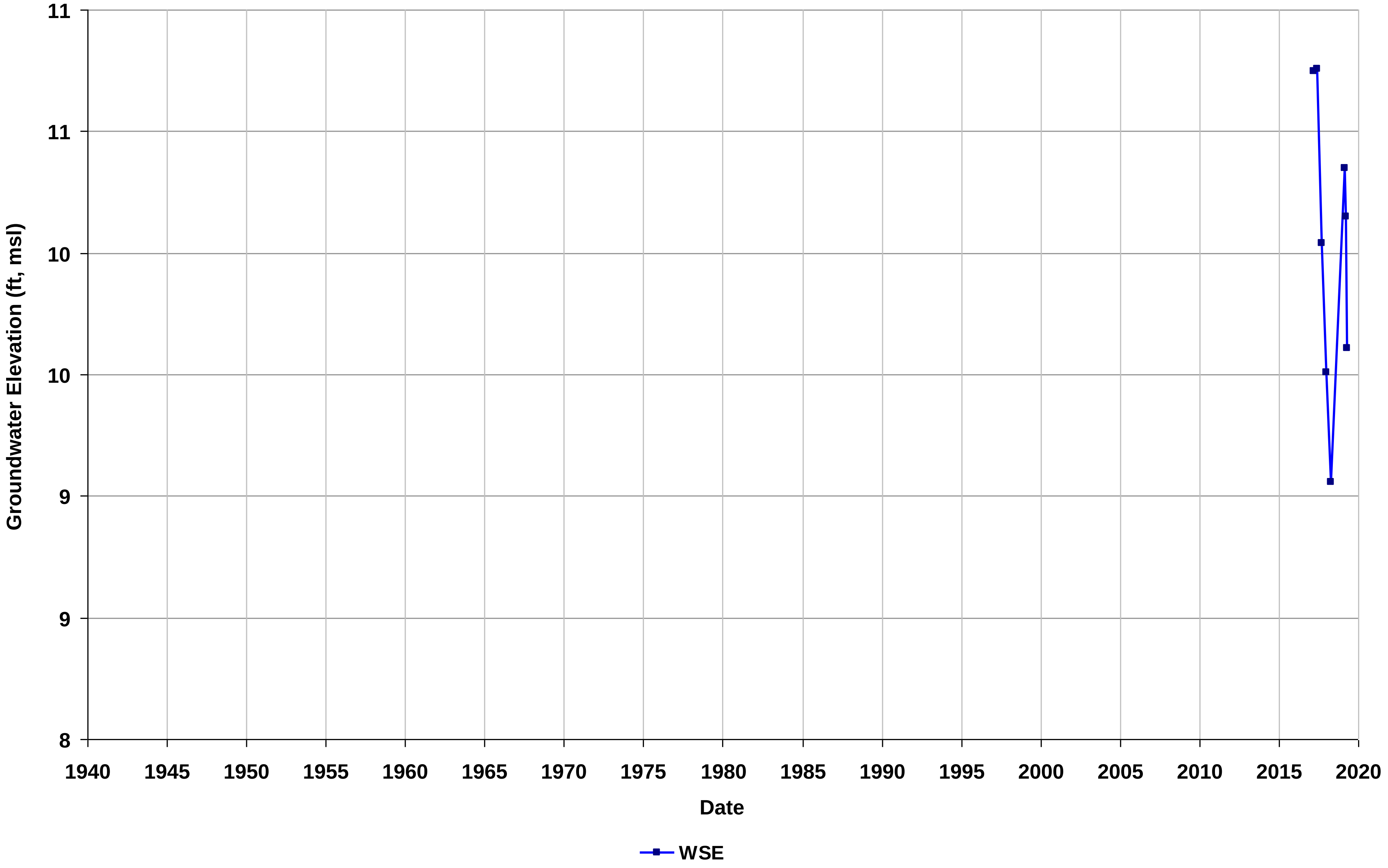
Well Name: T0600101263-S-24
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/35
Well Use: Observation



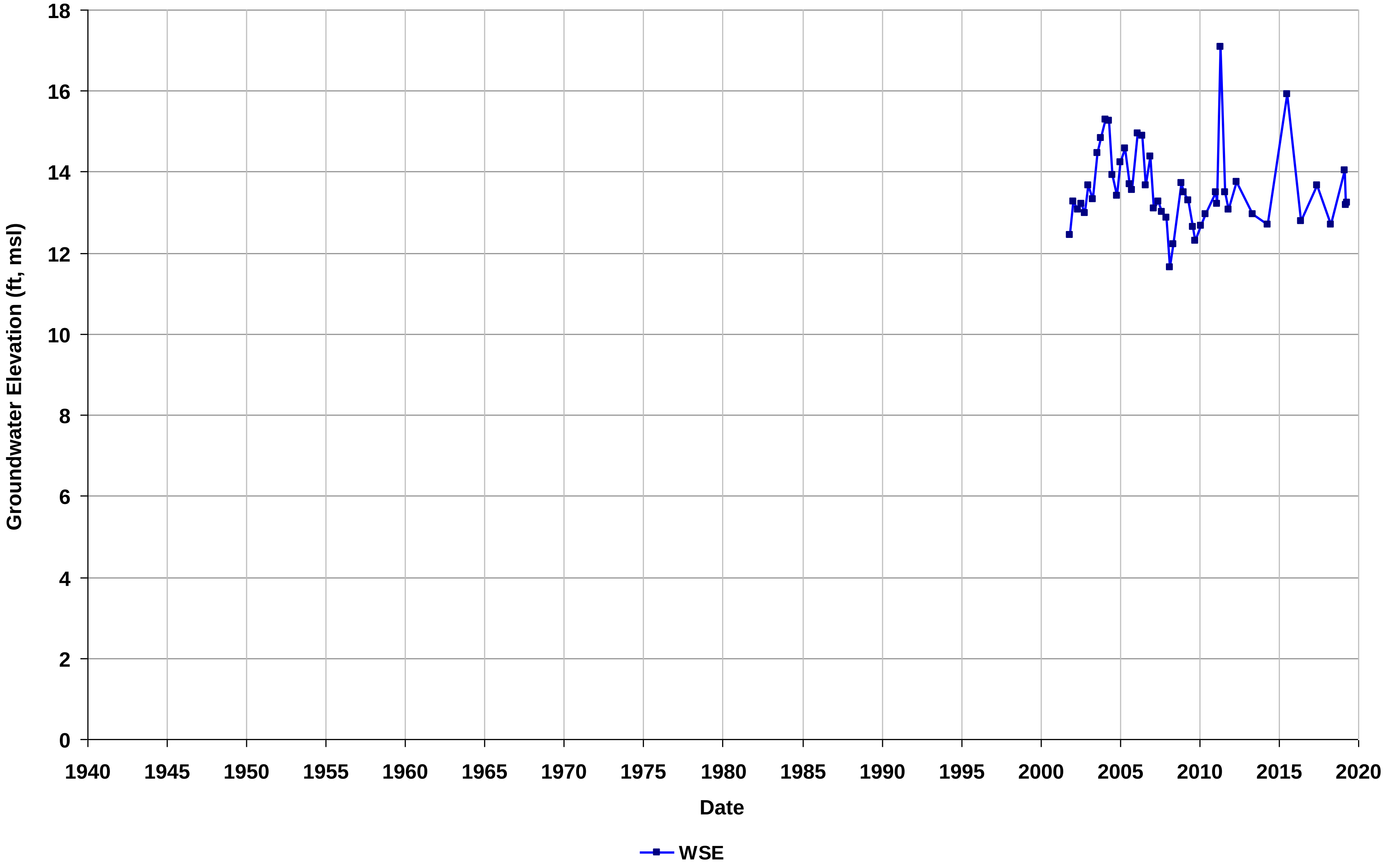
Well Name: T0600101263-S-25
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/35
Well Use: Observation



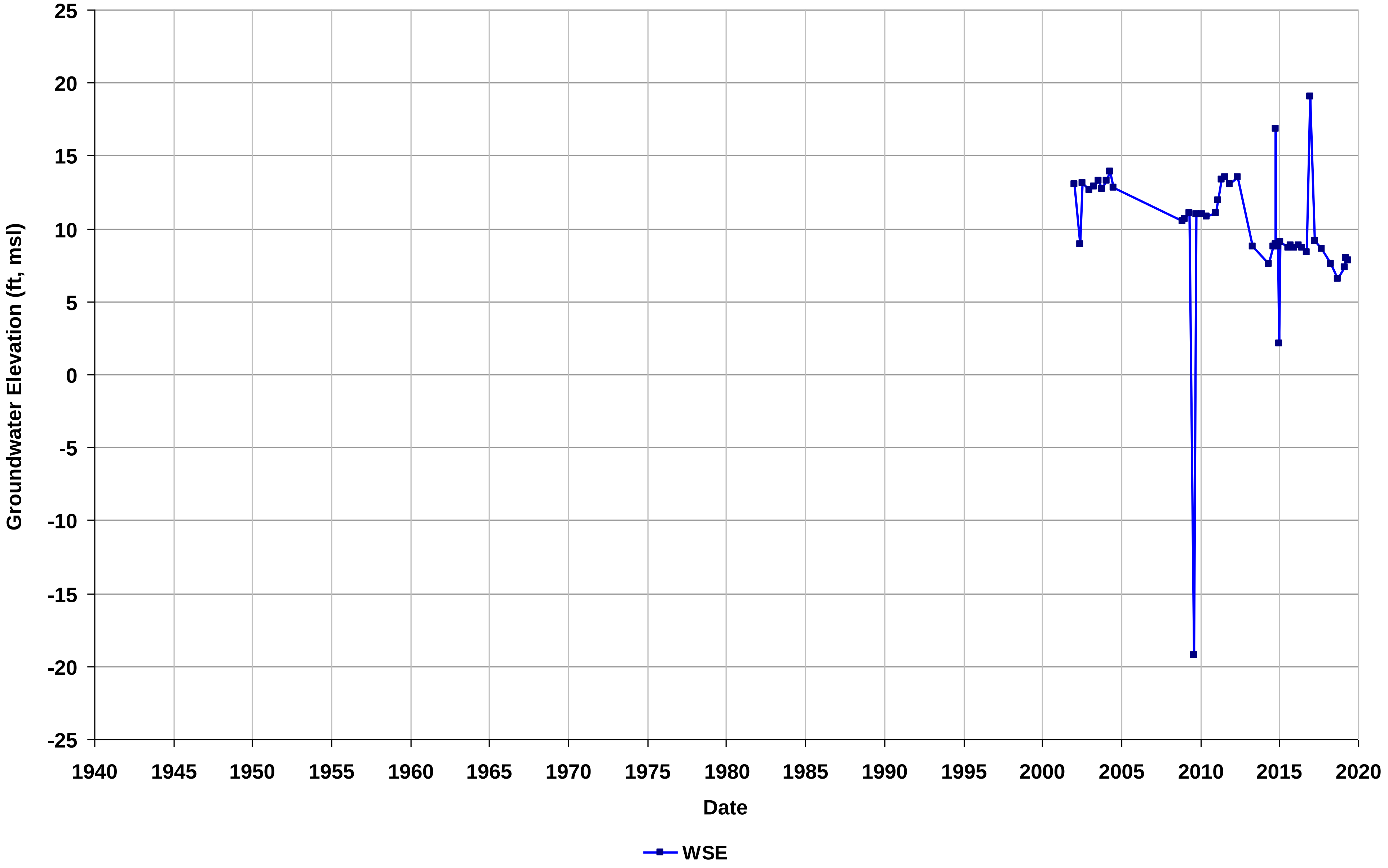
Well Name: T0600101263-S-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/35
Well Use: Observation



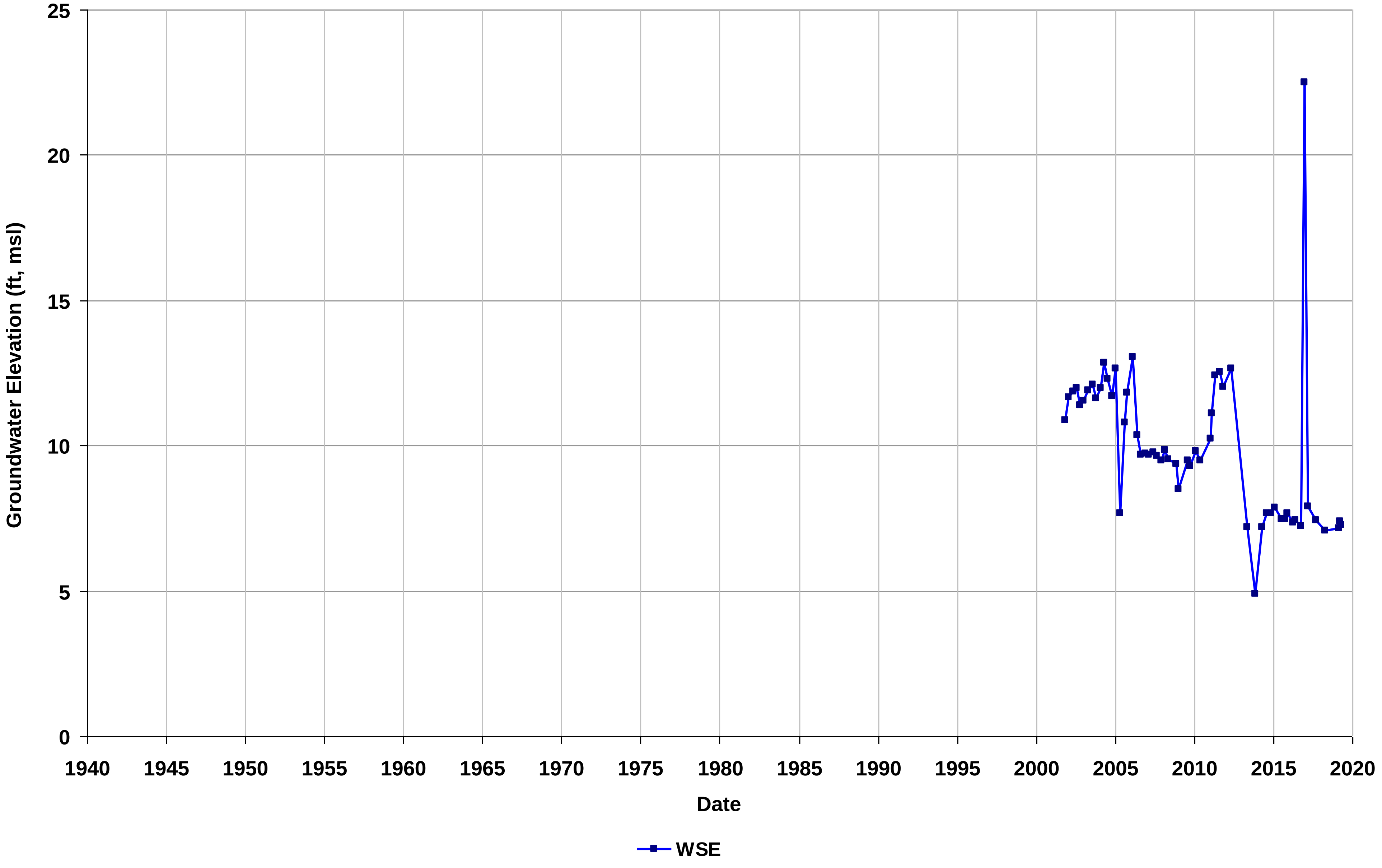
Well Name: T0600101263-S-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/35
Well Use: Observation



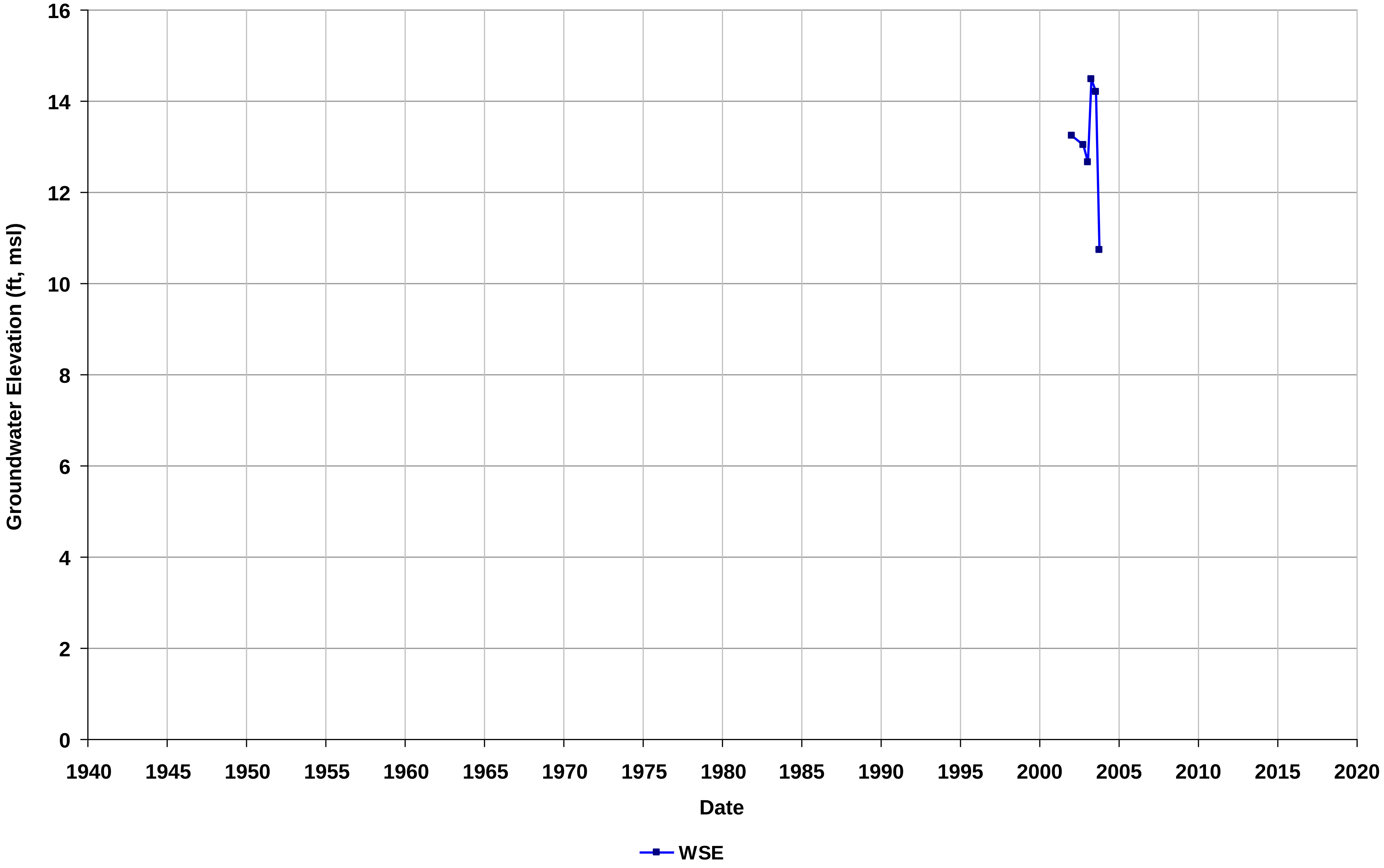
Well Name: T0600101263-S-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/35
Well Use: Observation



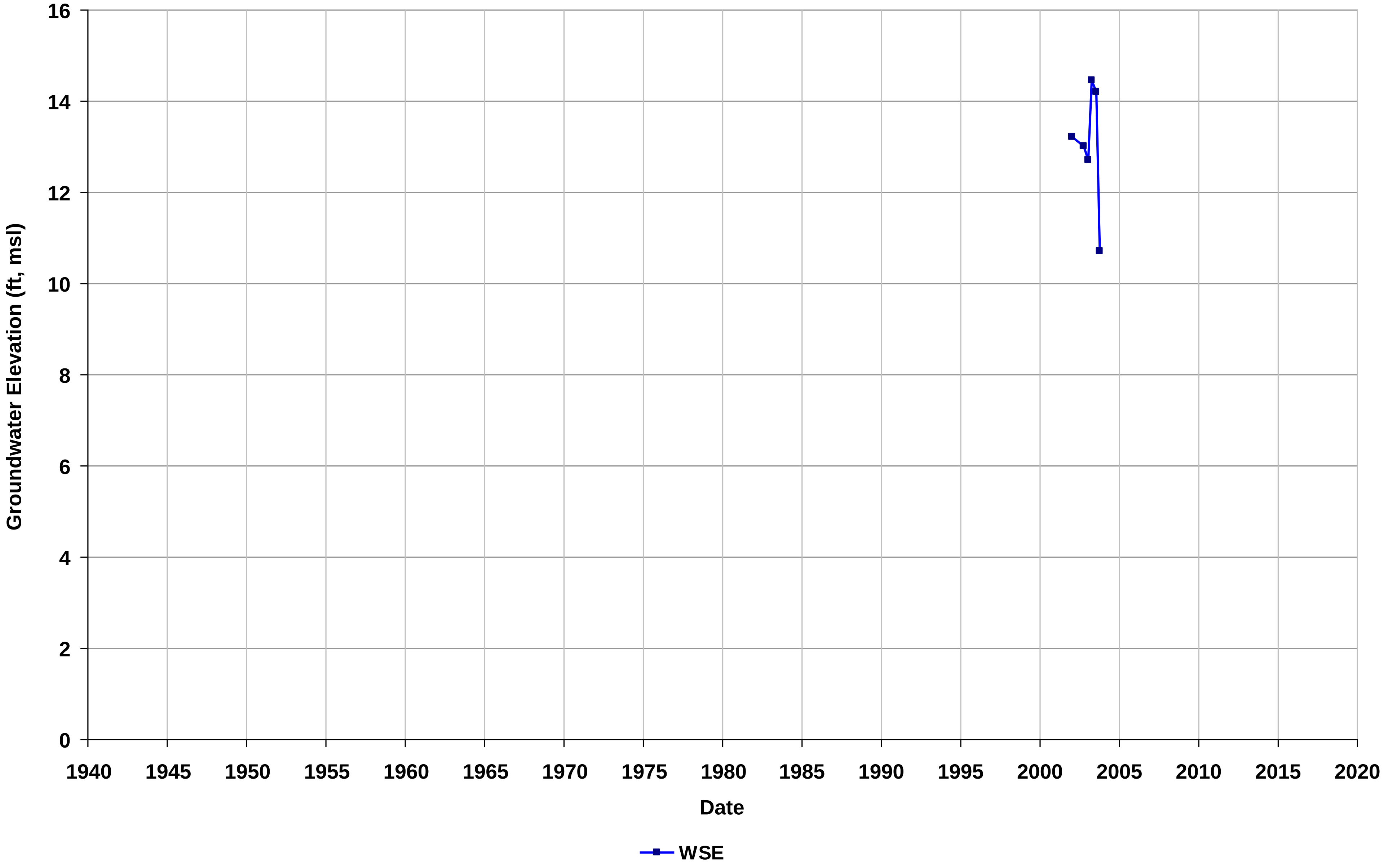
Well Name: T0600101264-S-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/30
Well Use: Observation



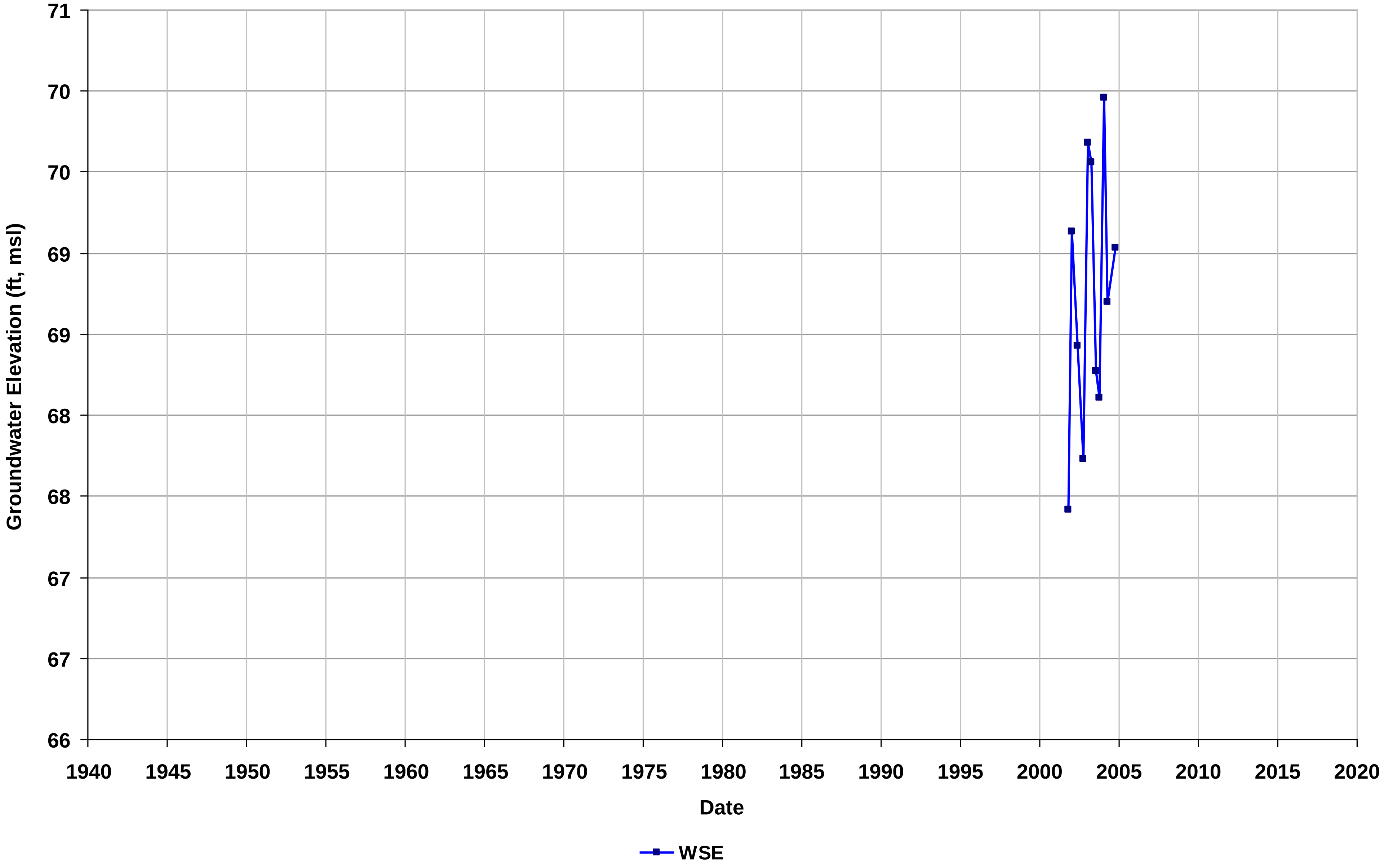
Well Name: T0600101264-S-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/30
Well Use: Observation



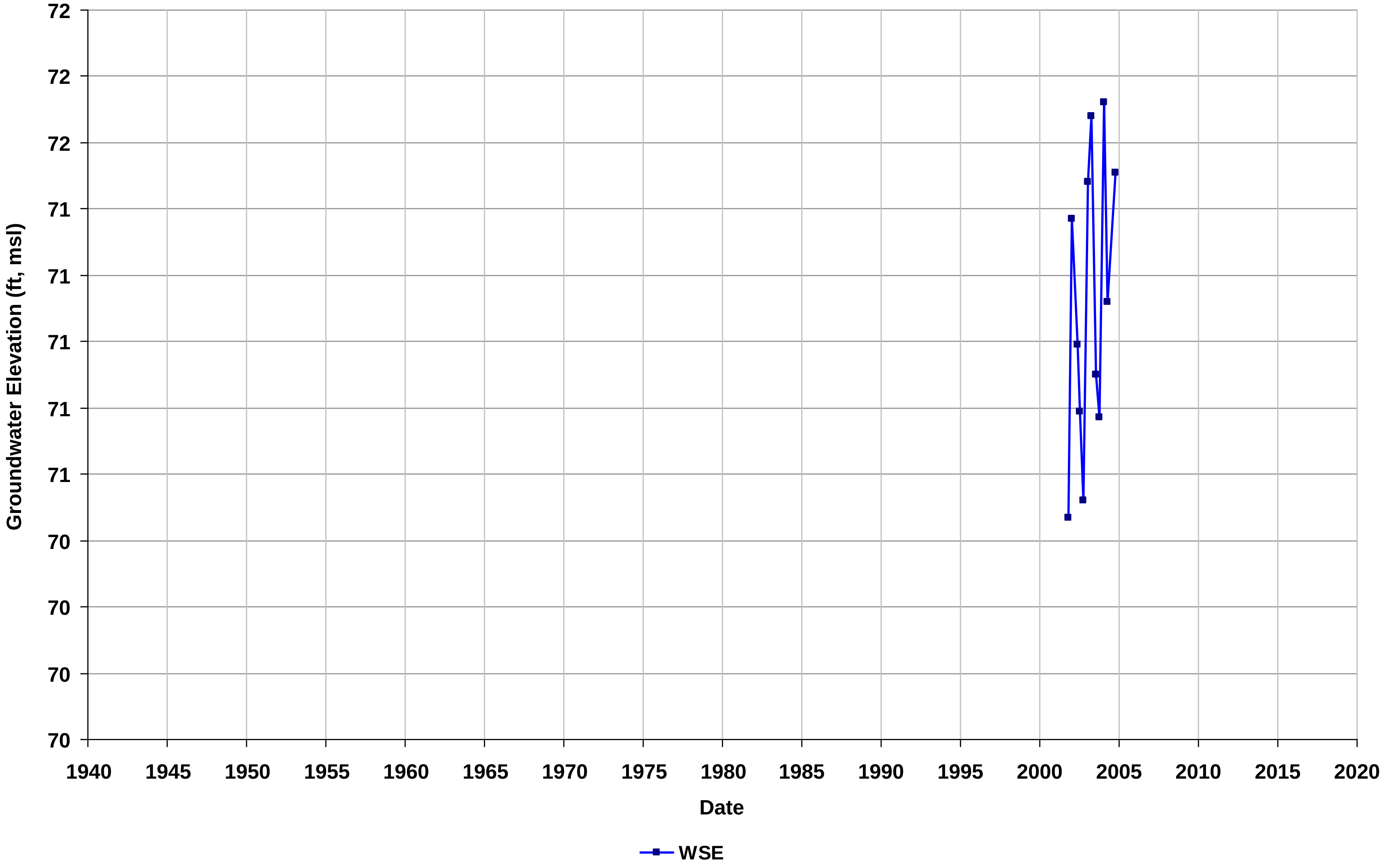
Well Name: T0600101265-EW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



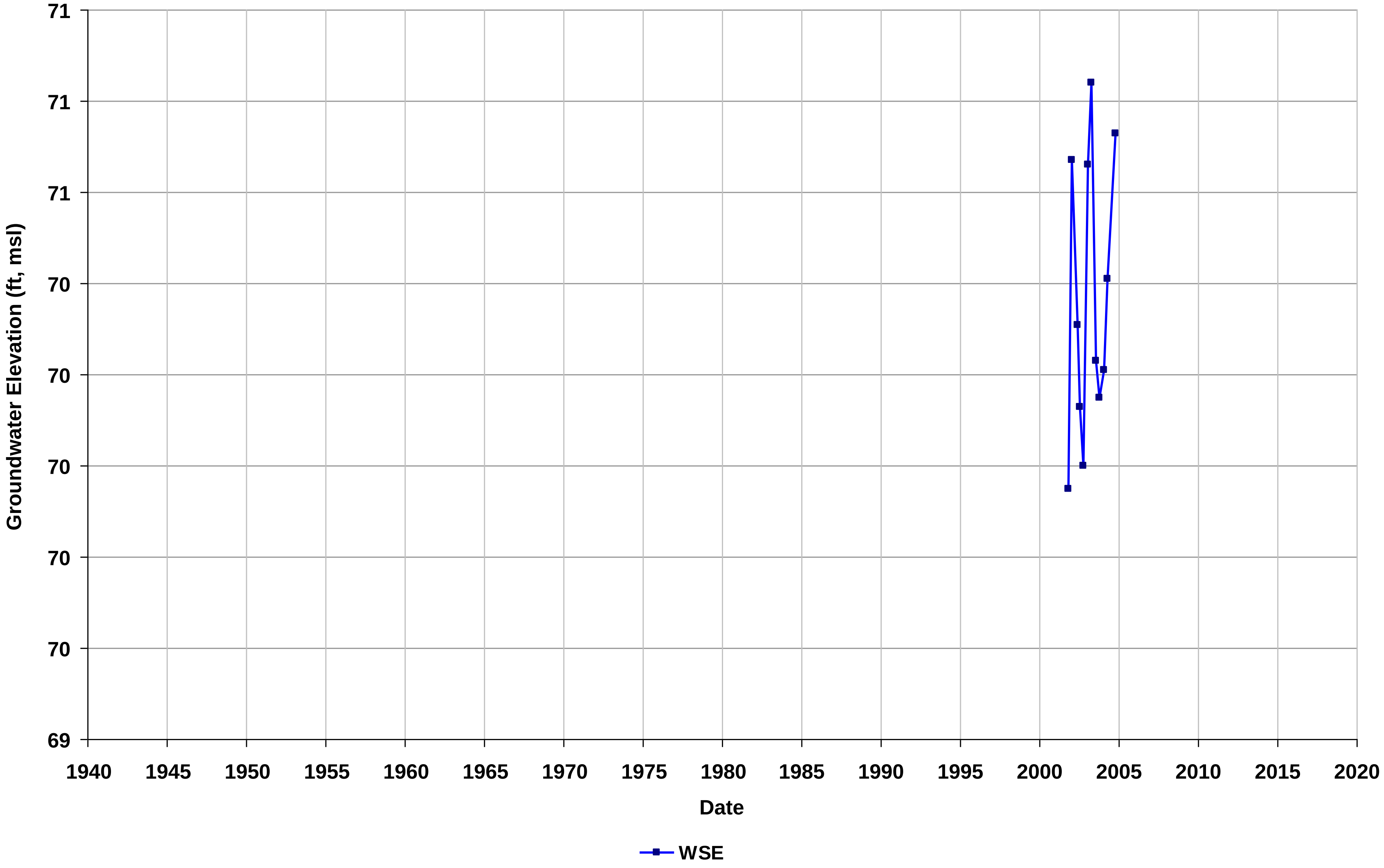
Well Name: T0600101265-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



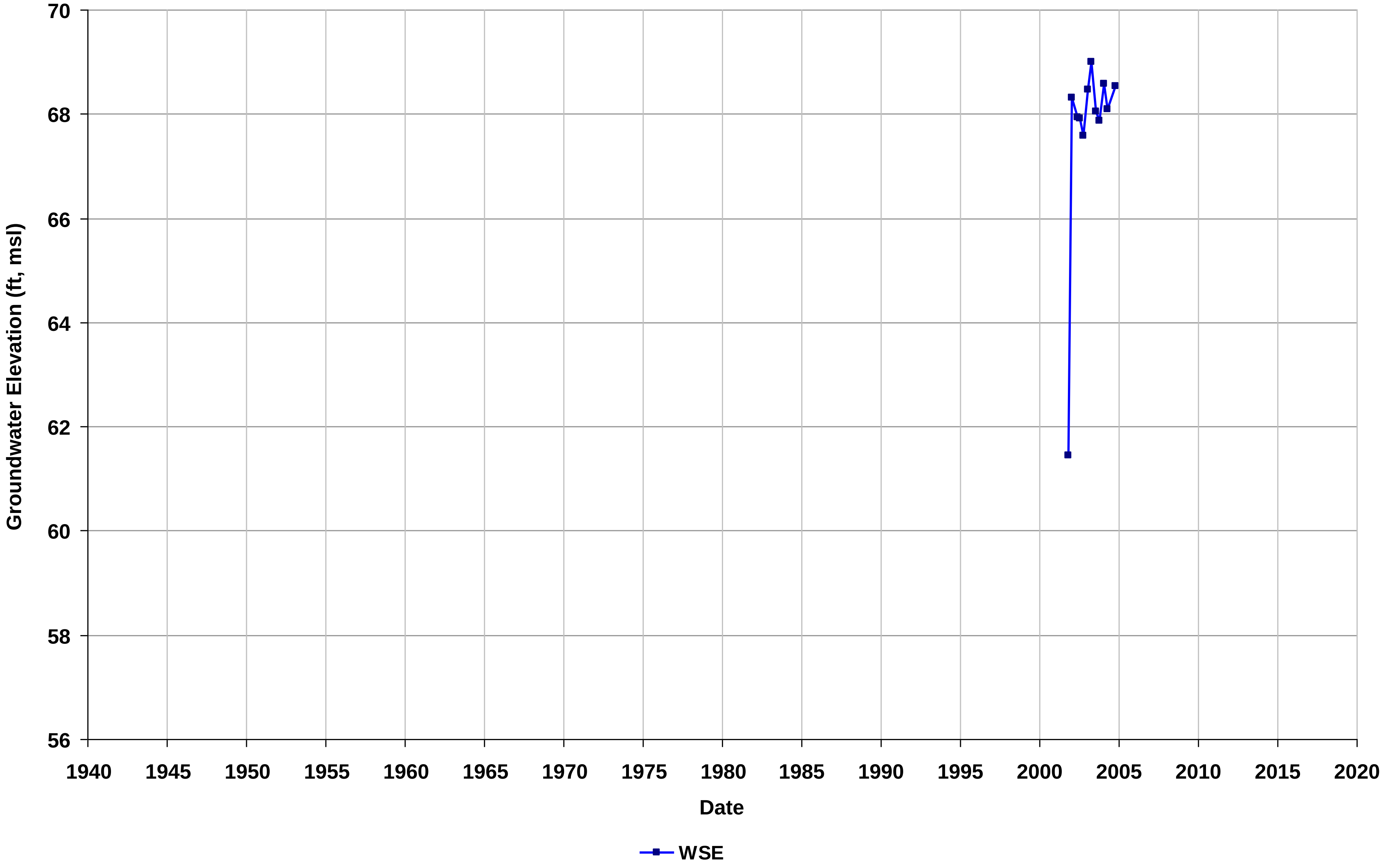
Well Name: T0600101265-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



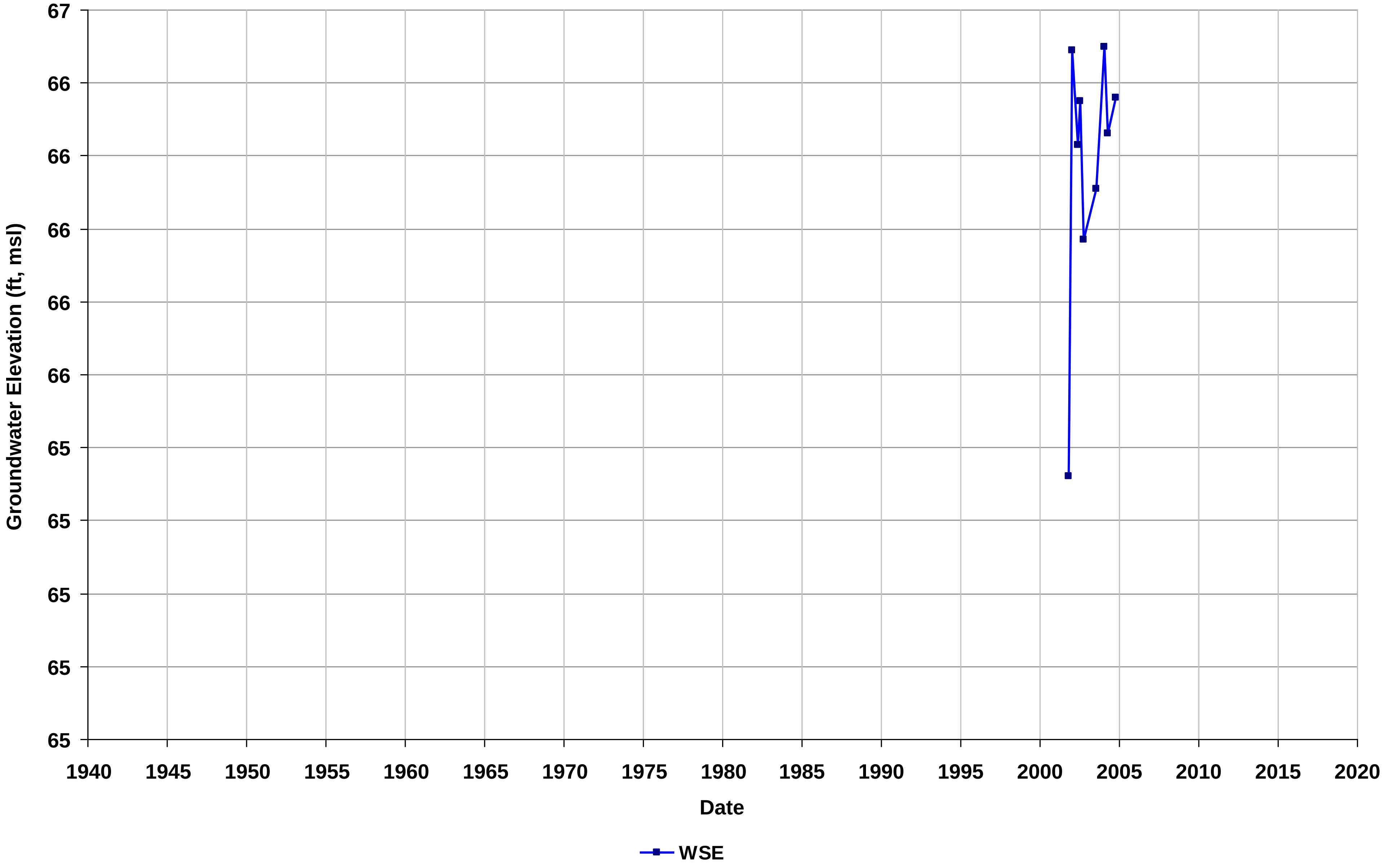
Well Name: T0600101265-OMW-10
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



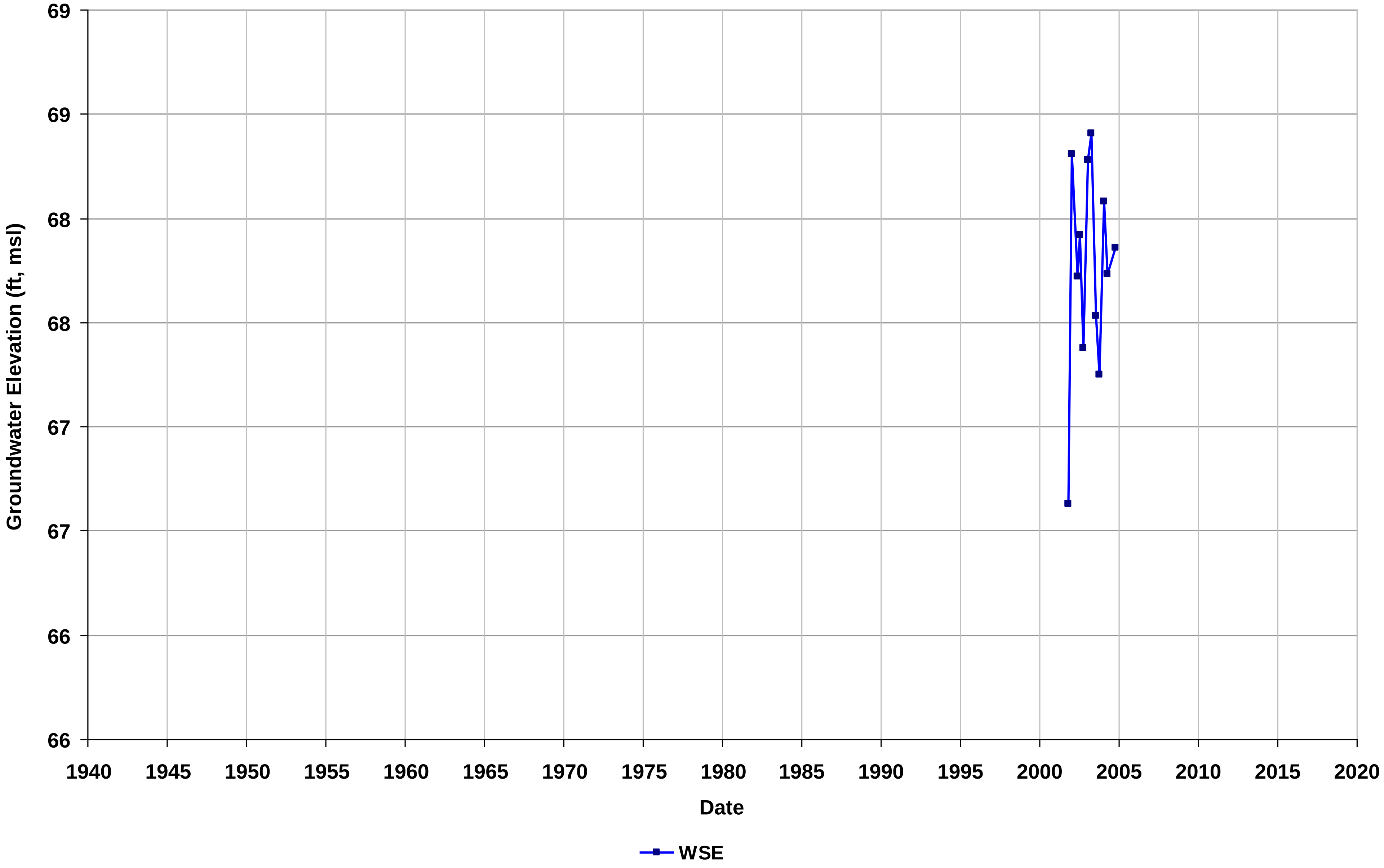
Well Name: T0600101265-OMW-11
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



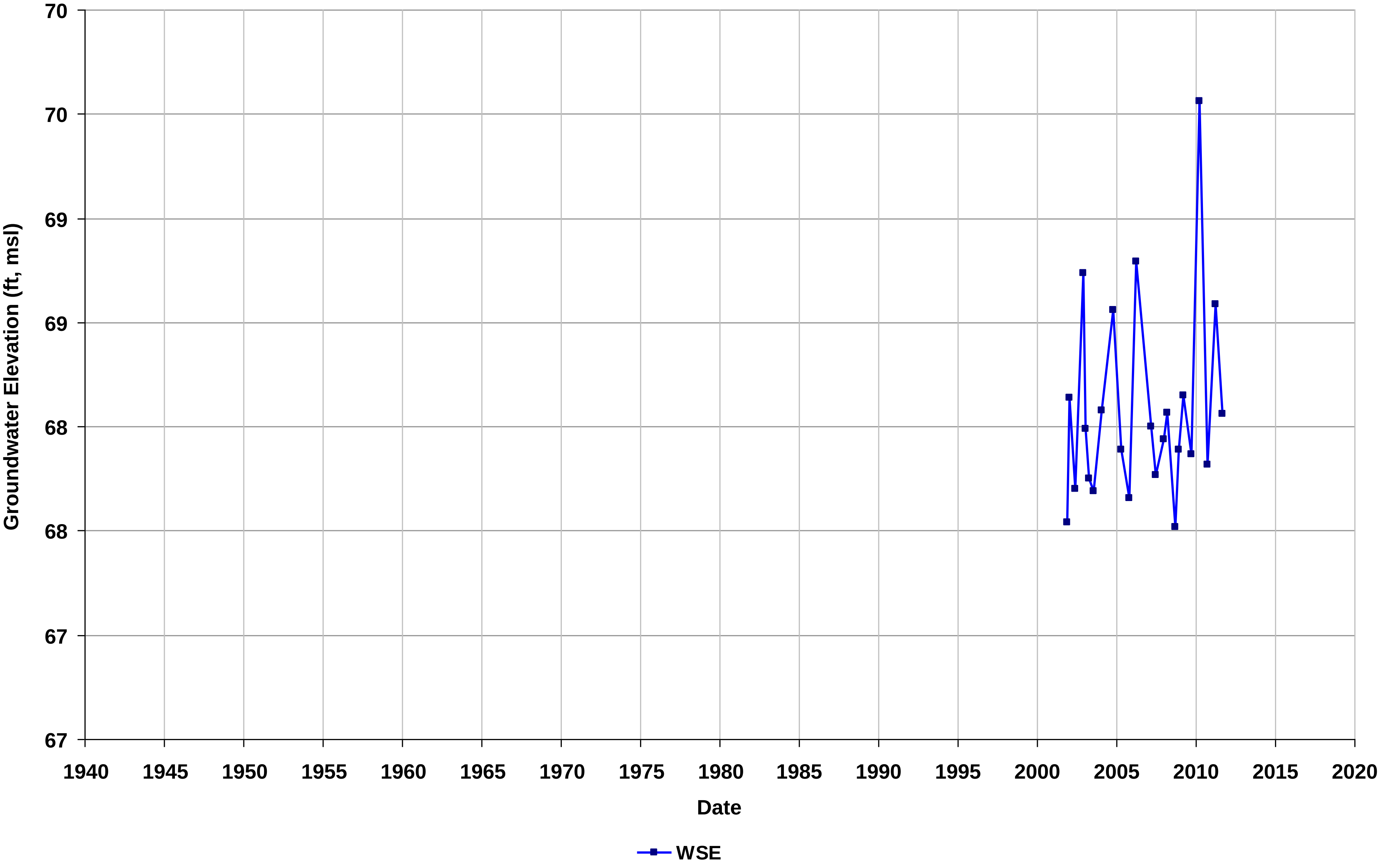
Well Name: T0600101265-OMW-12
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



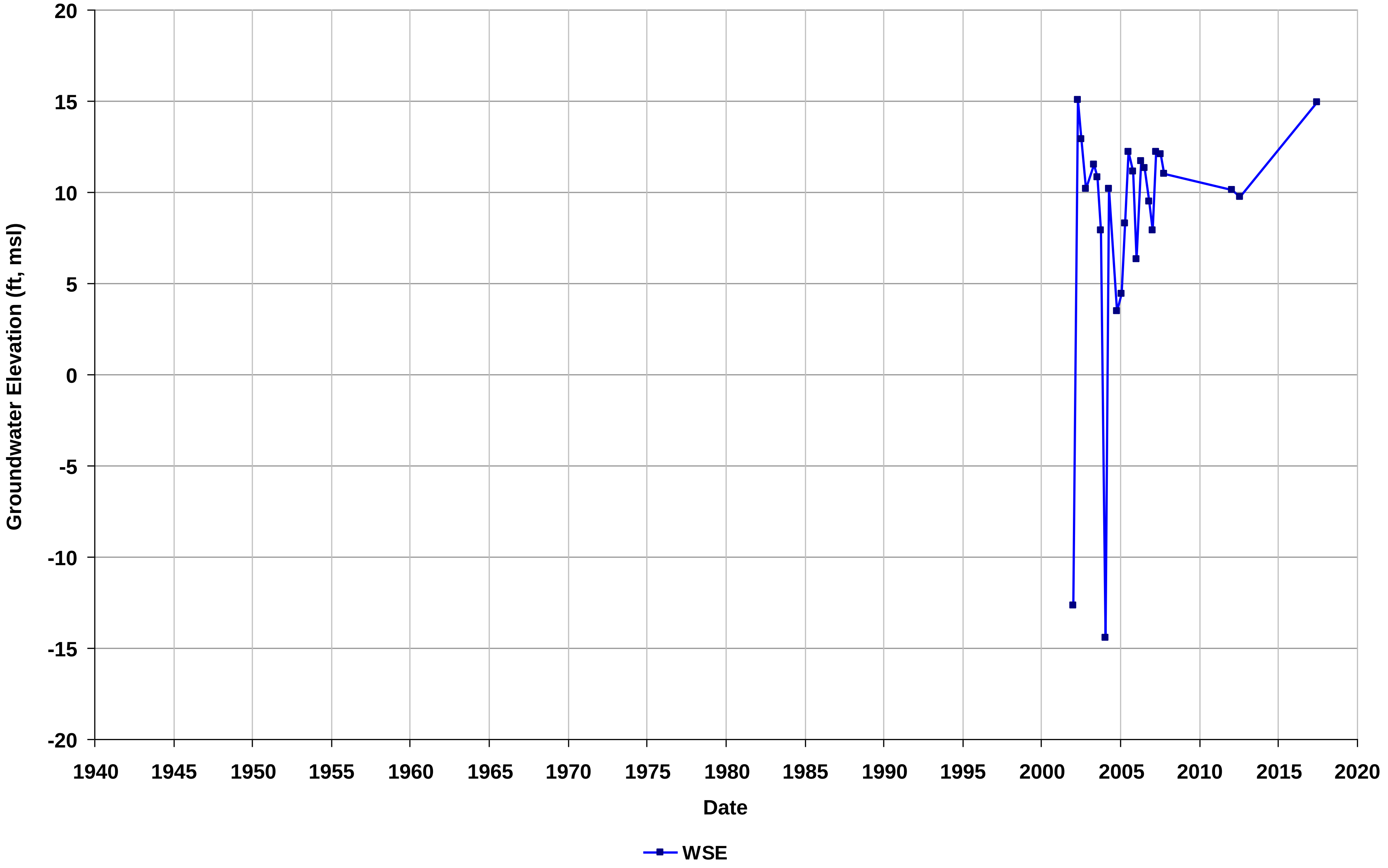
Well Name: T0600101265-OMW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



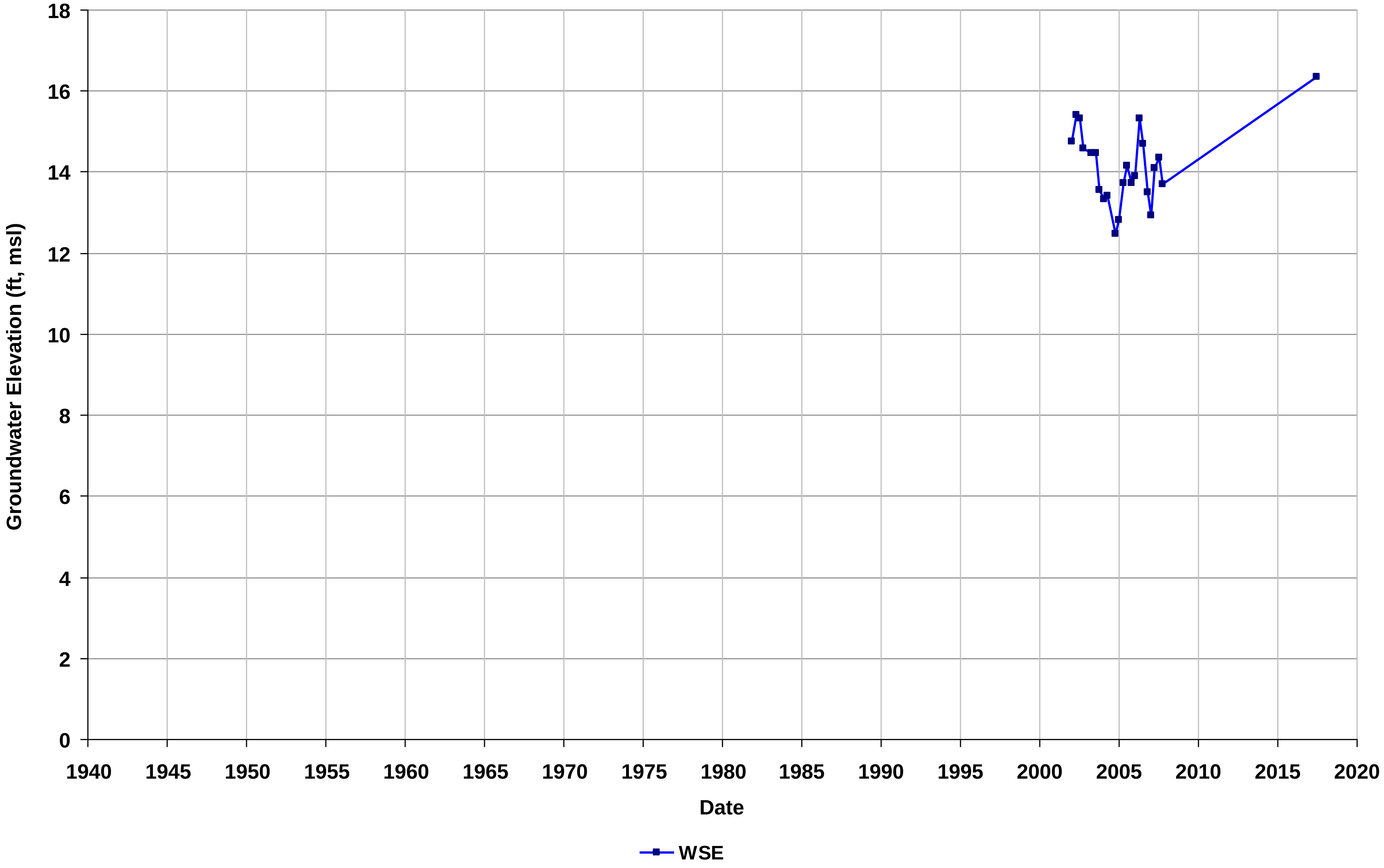
Well Name: T0600101268-S-10
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



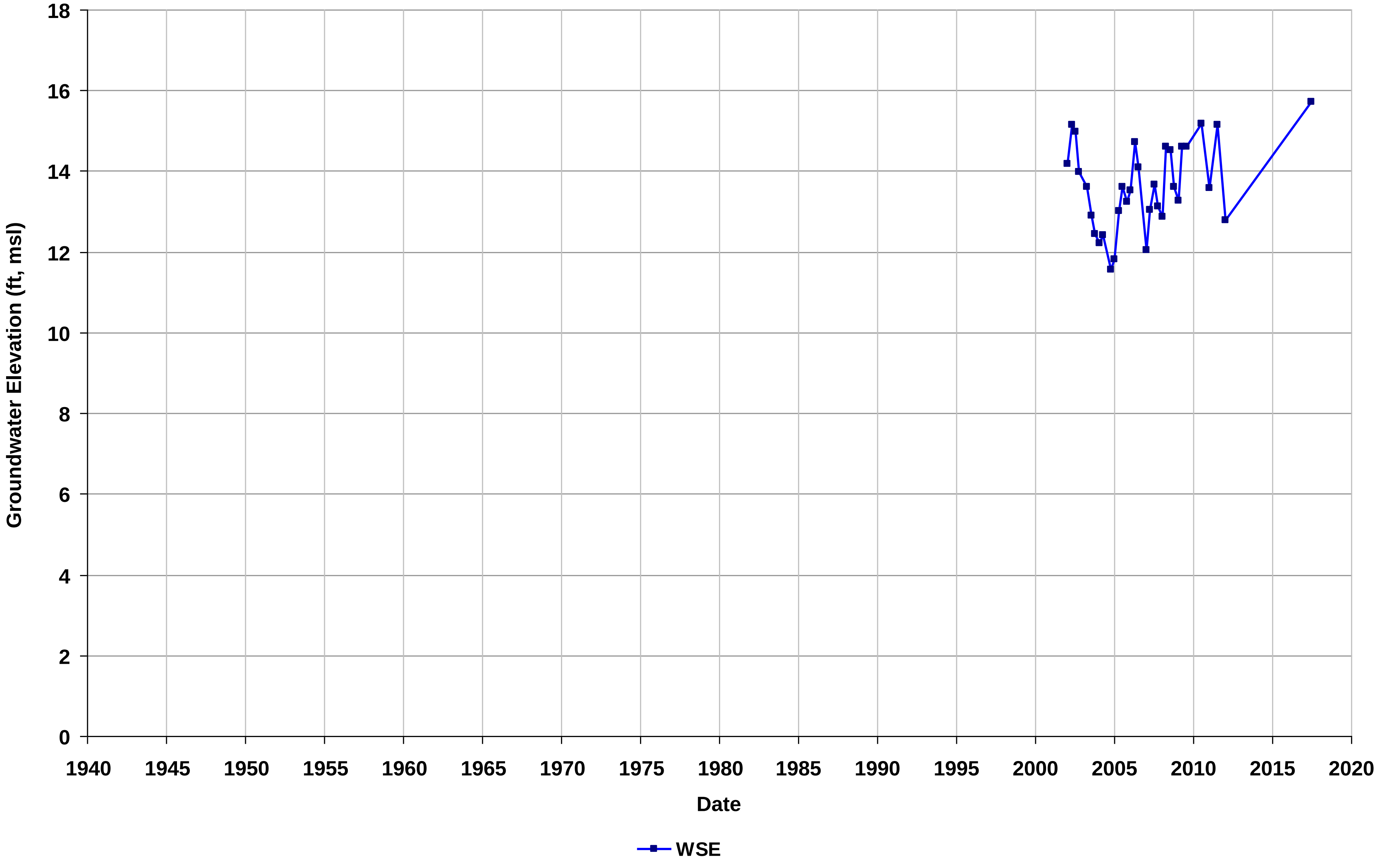
Well Name: T0600101268-S-11
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



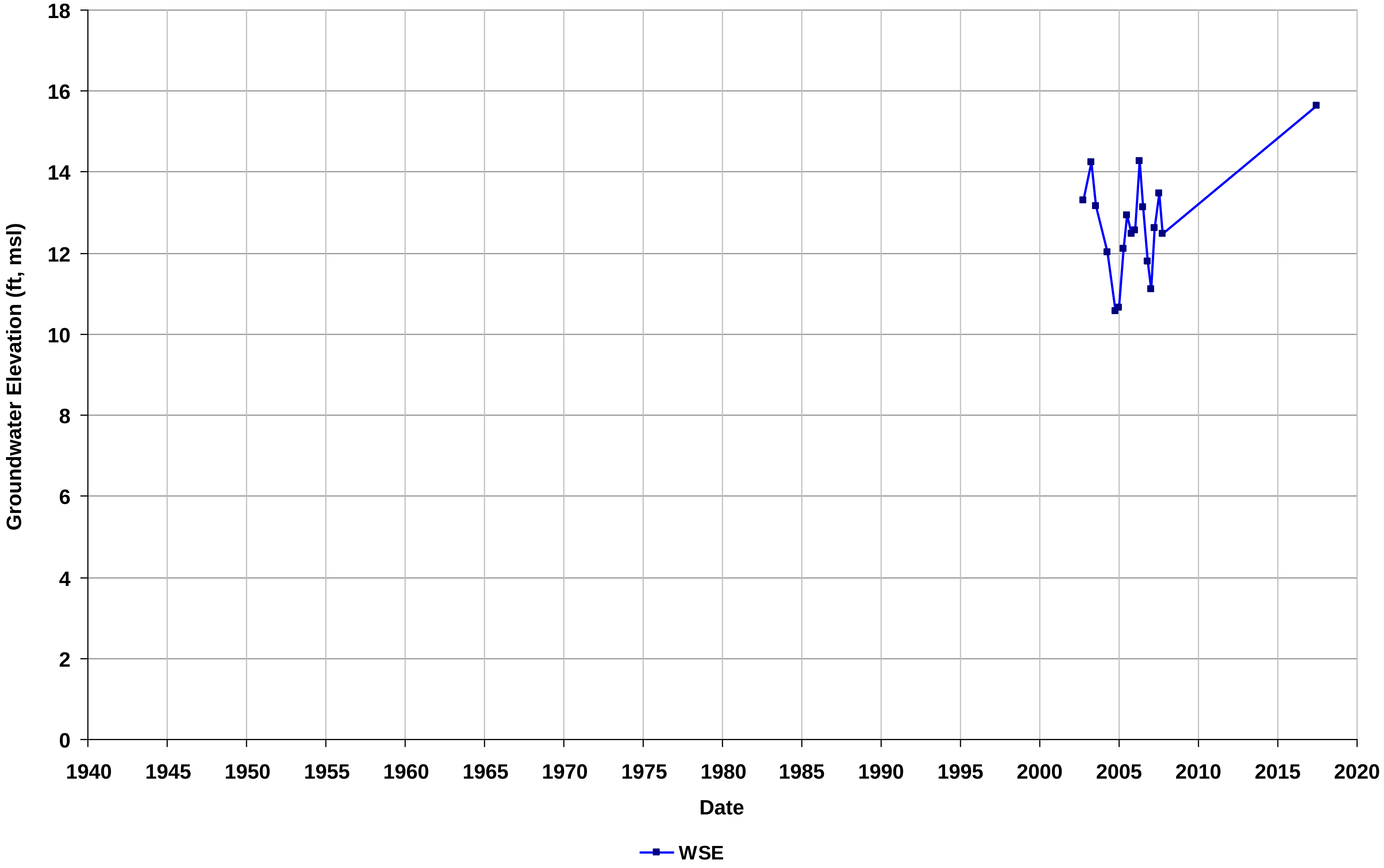
Well Name: T0600101268-S-12
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



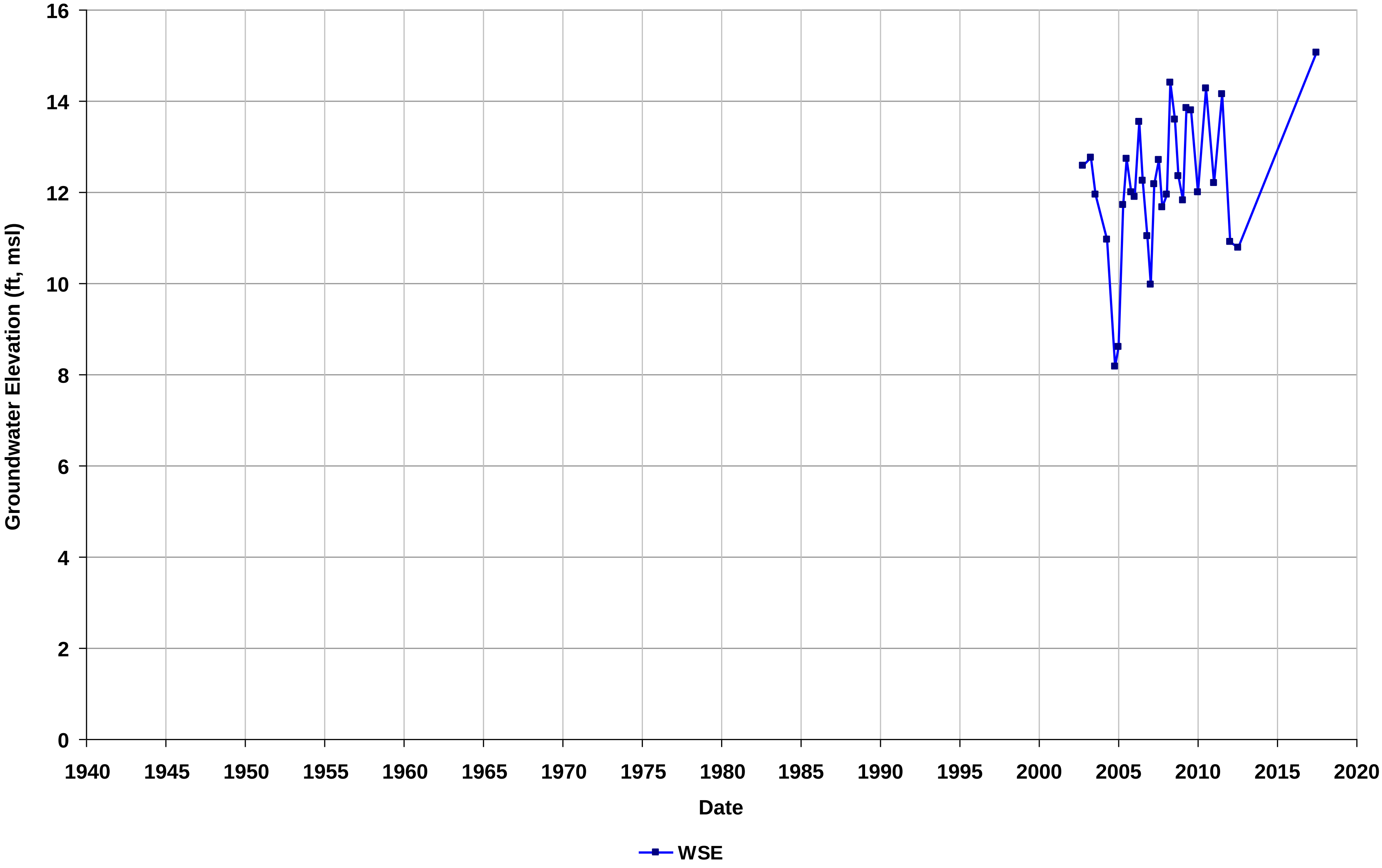
Well Name: T0600101268-S-13
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



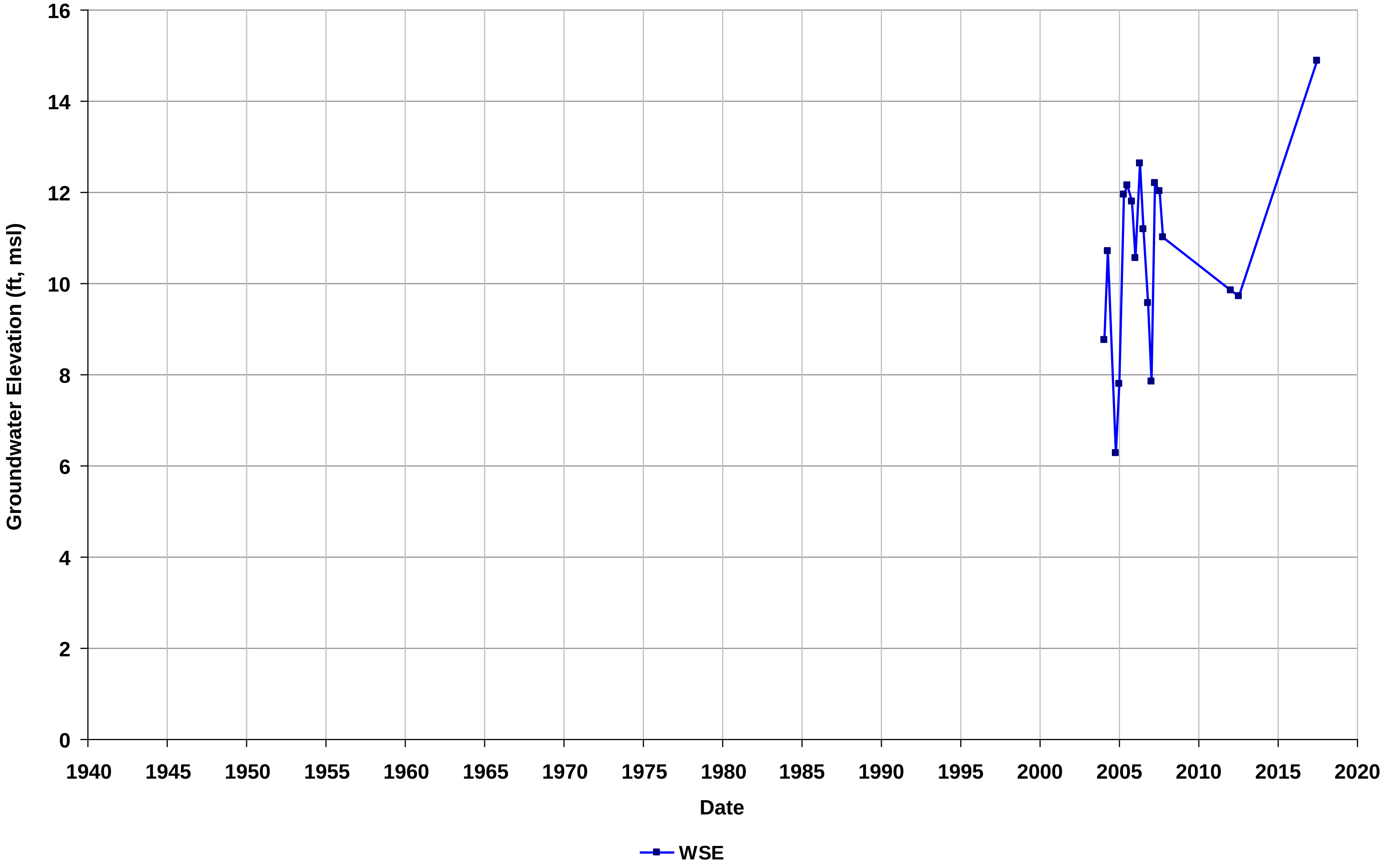
Well Name: T0600101268-S-14
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



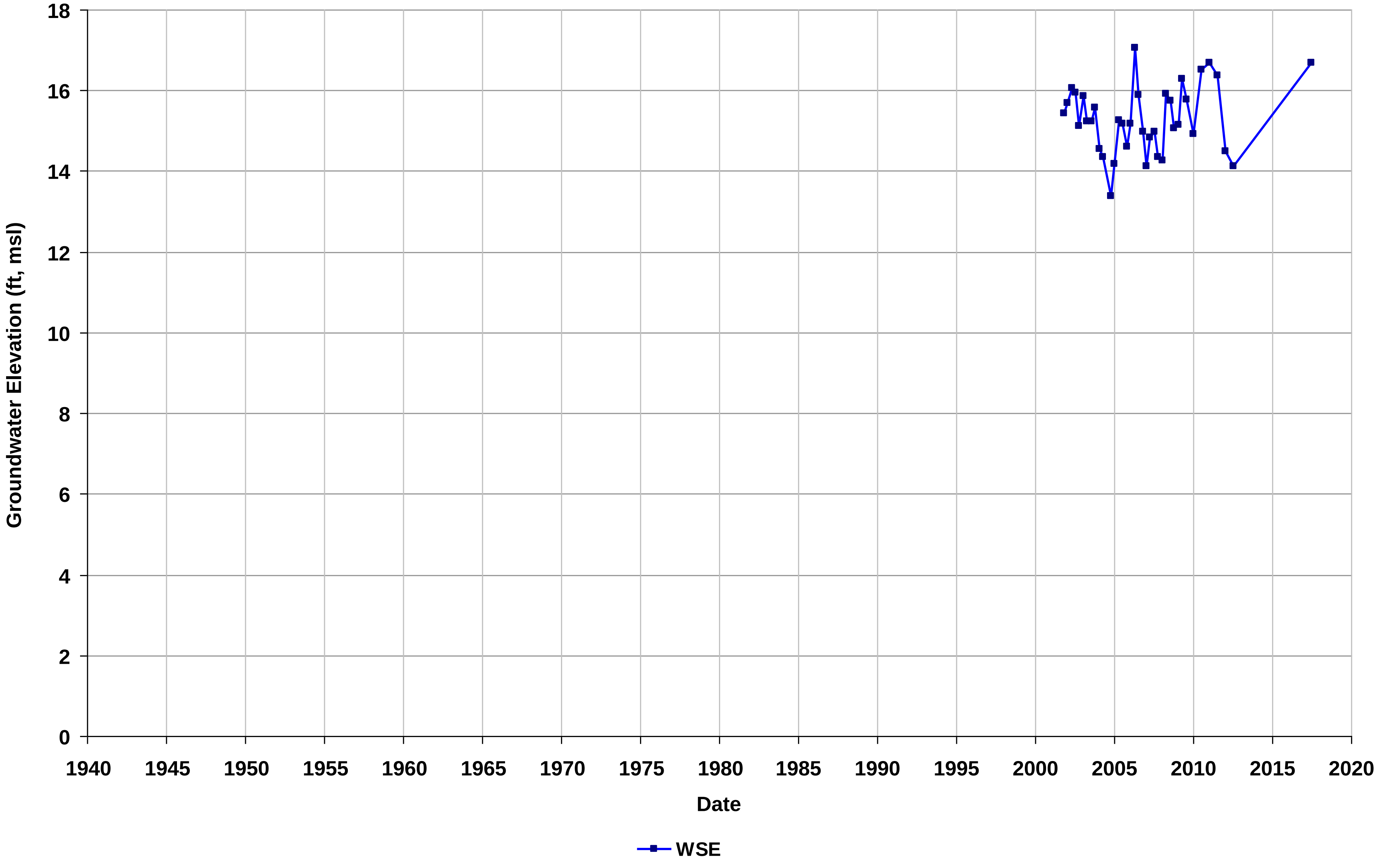
Well Name: T0600101268-S-15
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



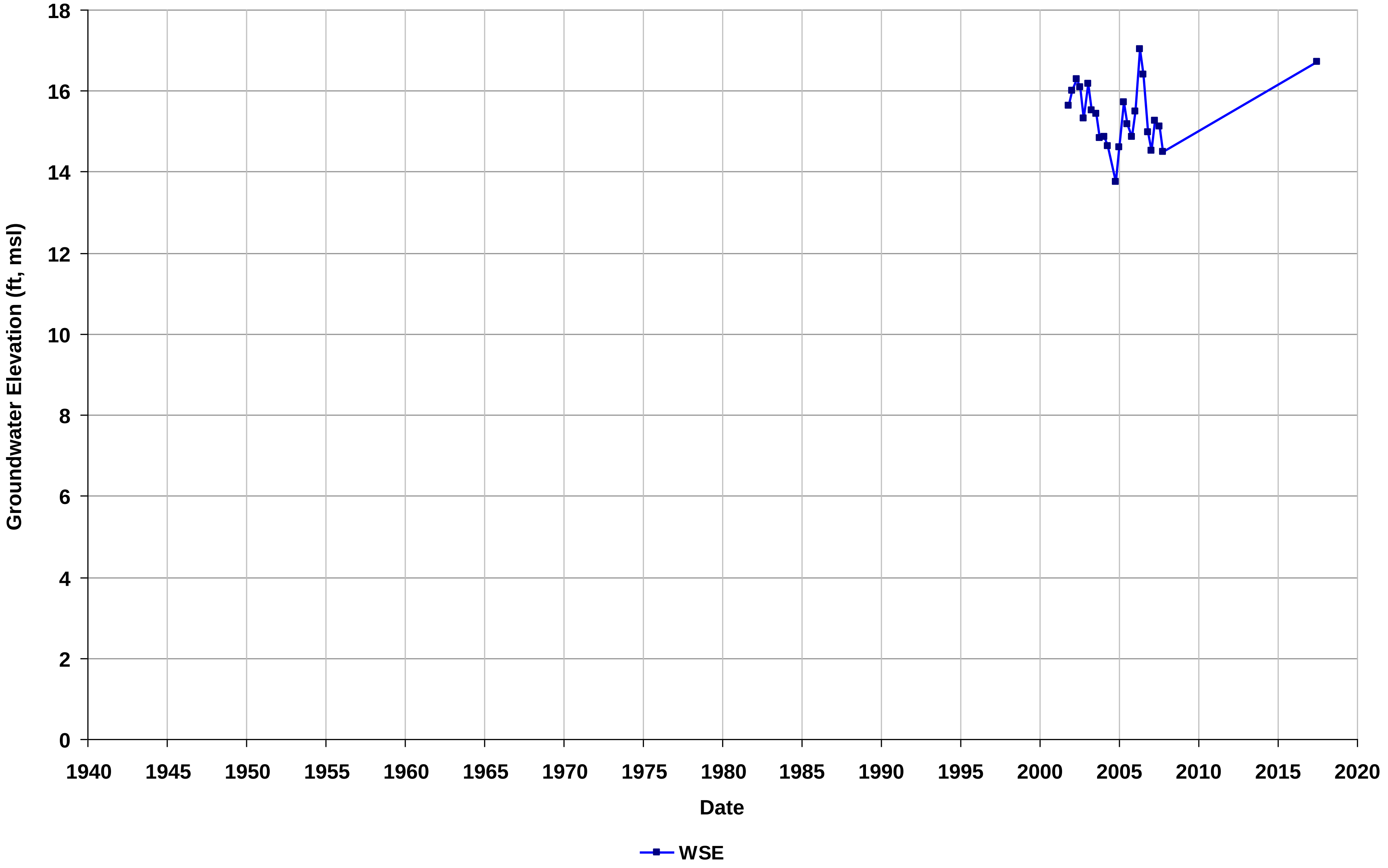
Well Name: T0600101268-S-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



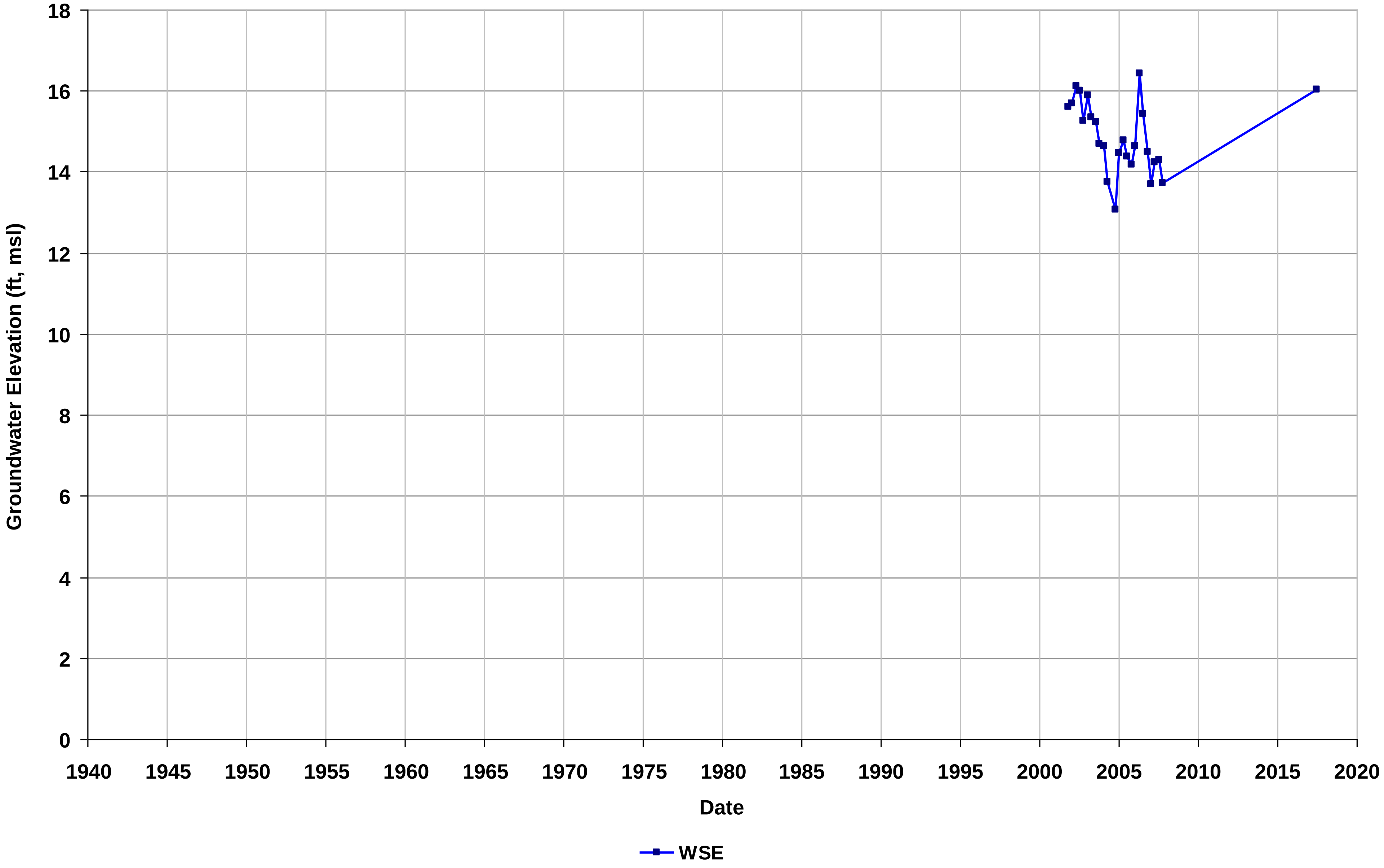
Well Name: T0600101268-S-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



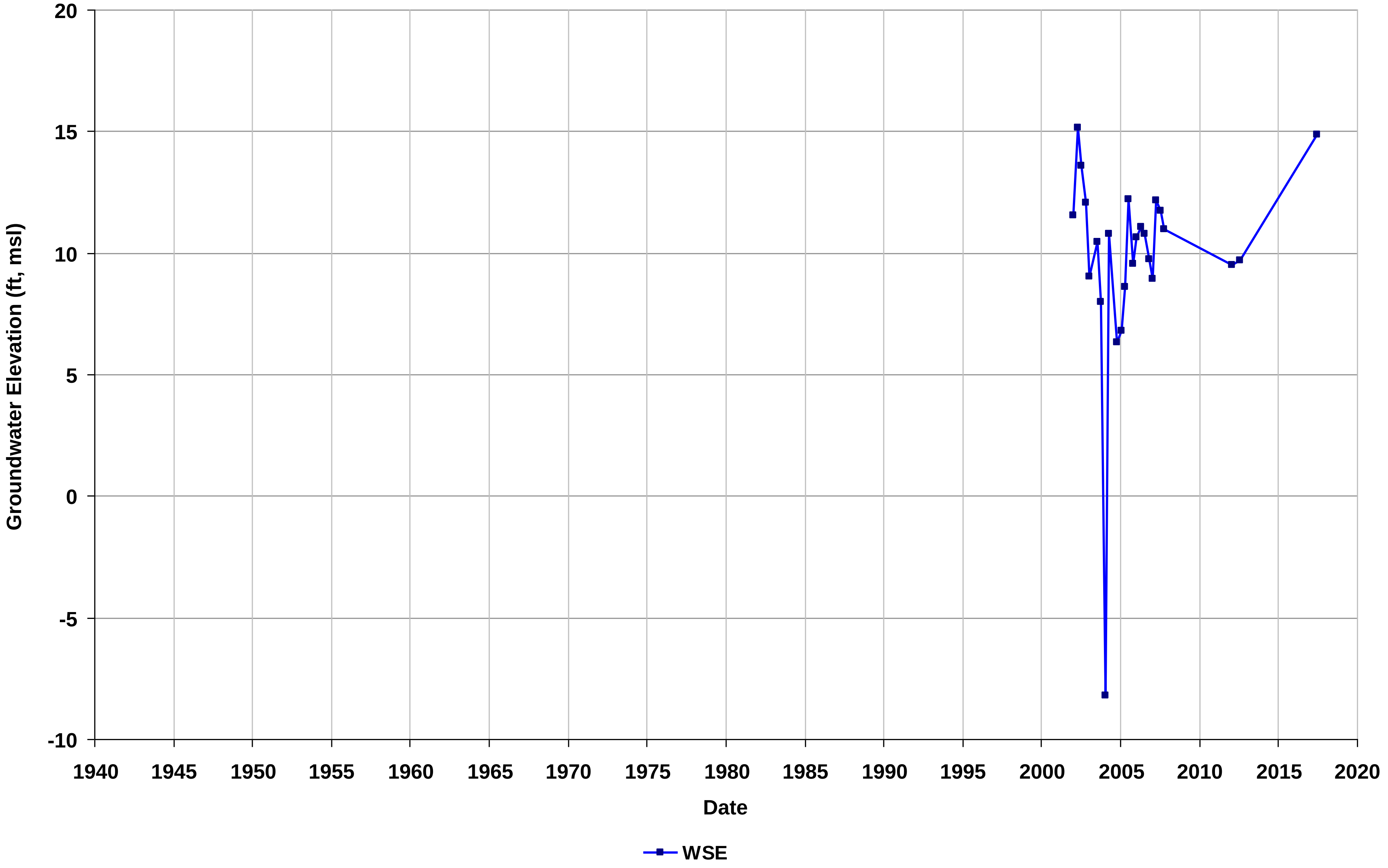
Well Name: T0600101268-S-5
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



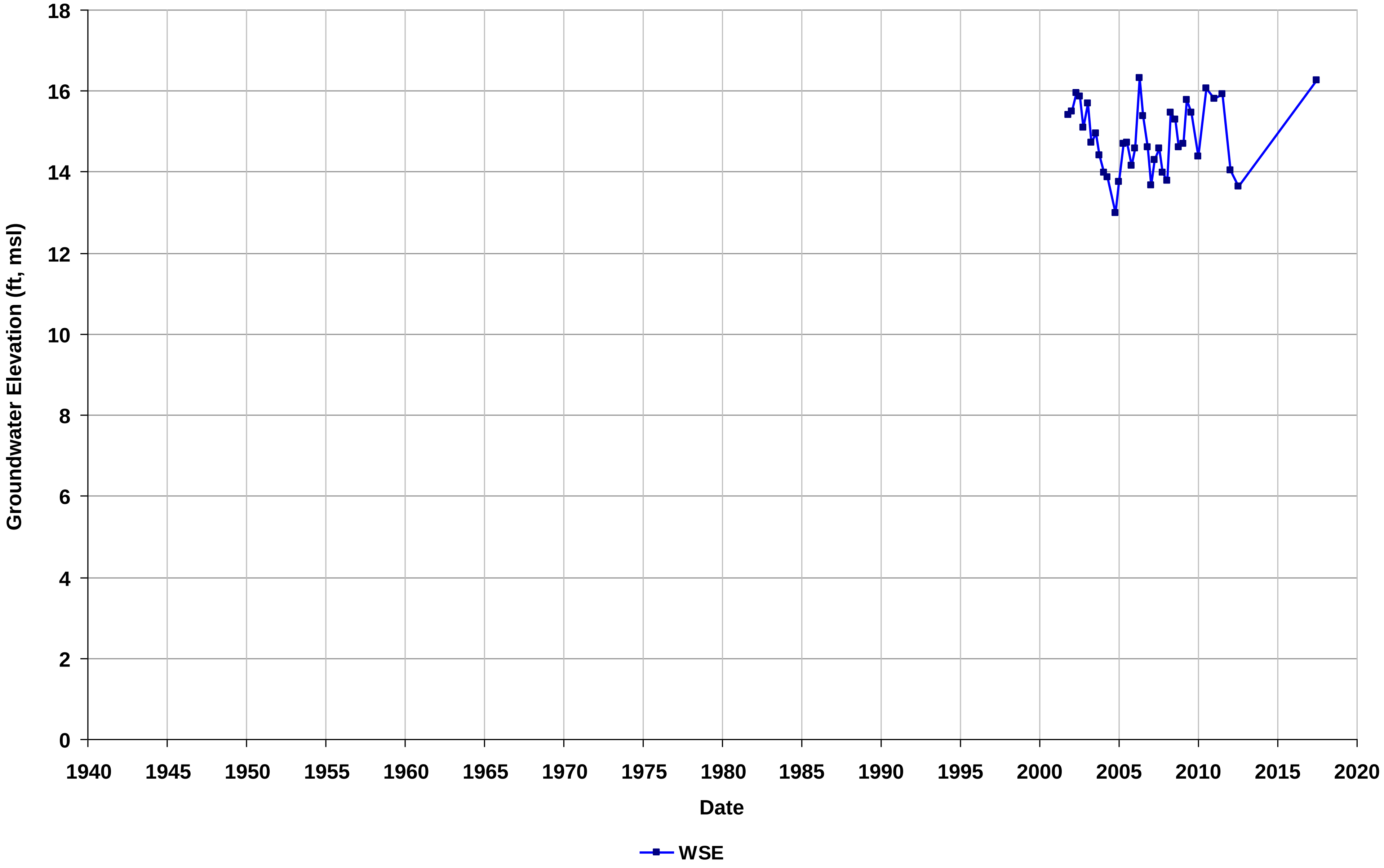
Well Name: T0600101268-S-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



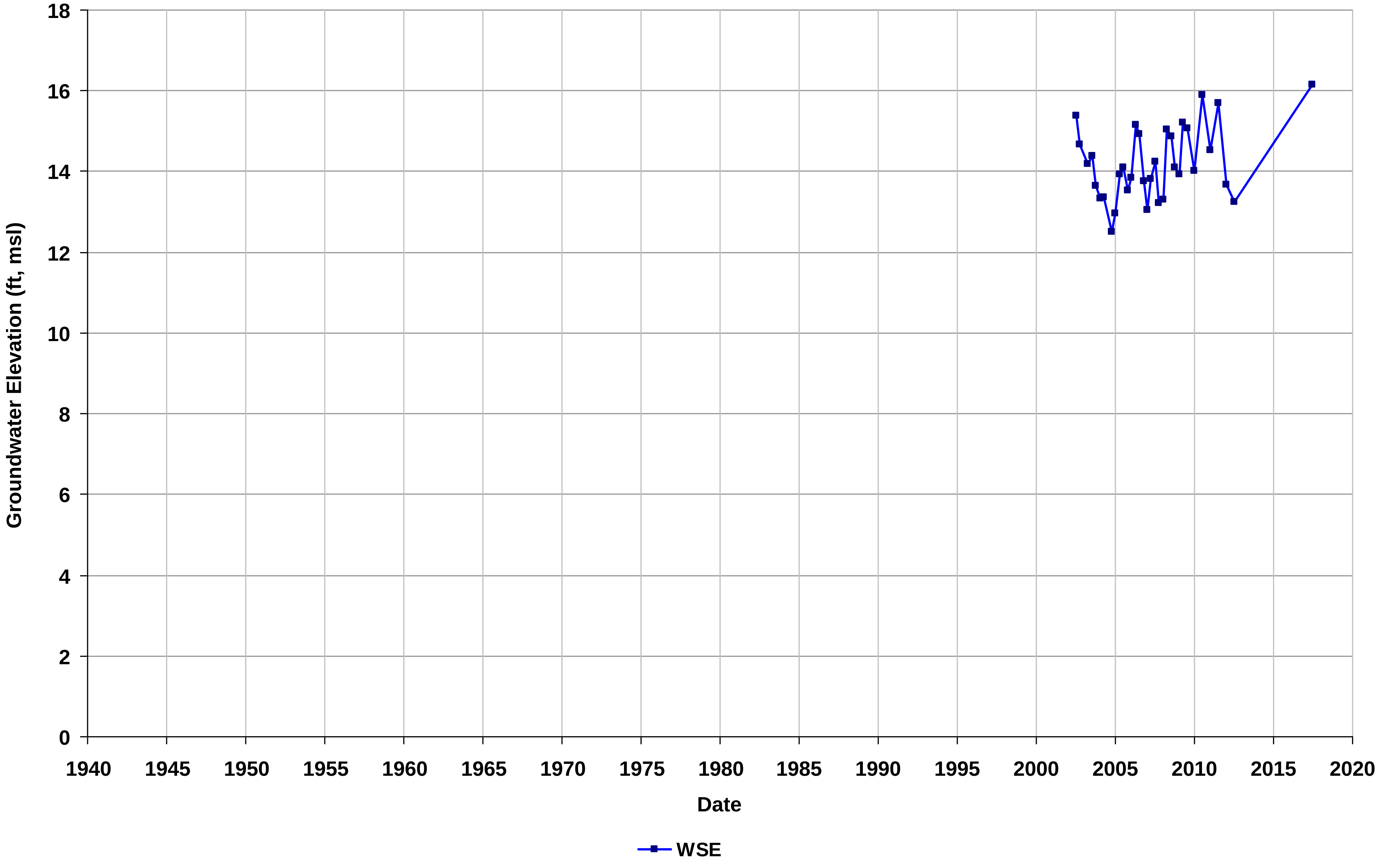
Well Name: T0600101268-S-8
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



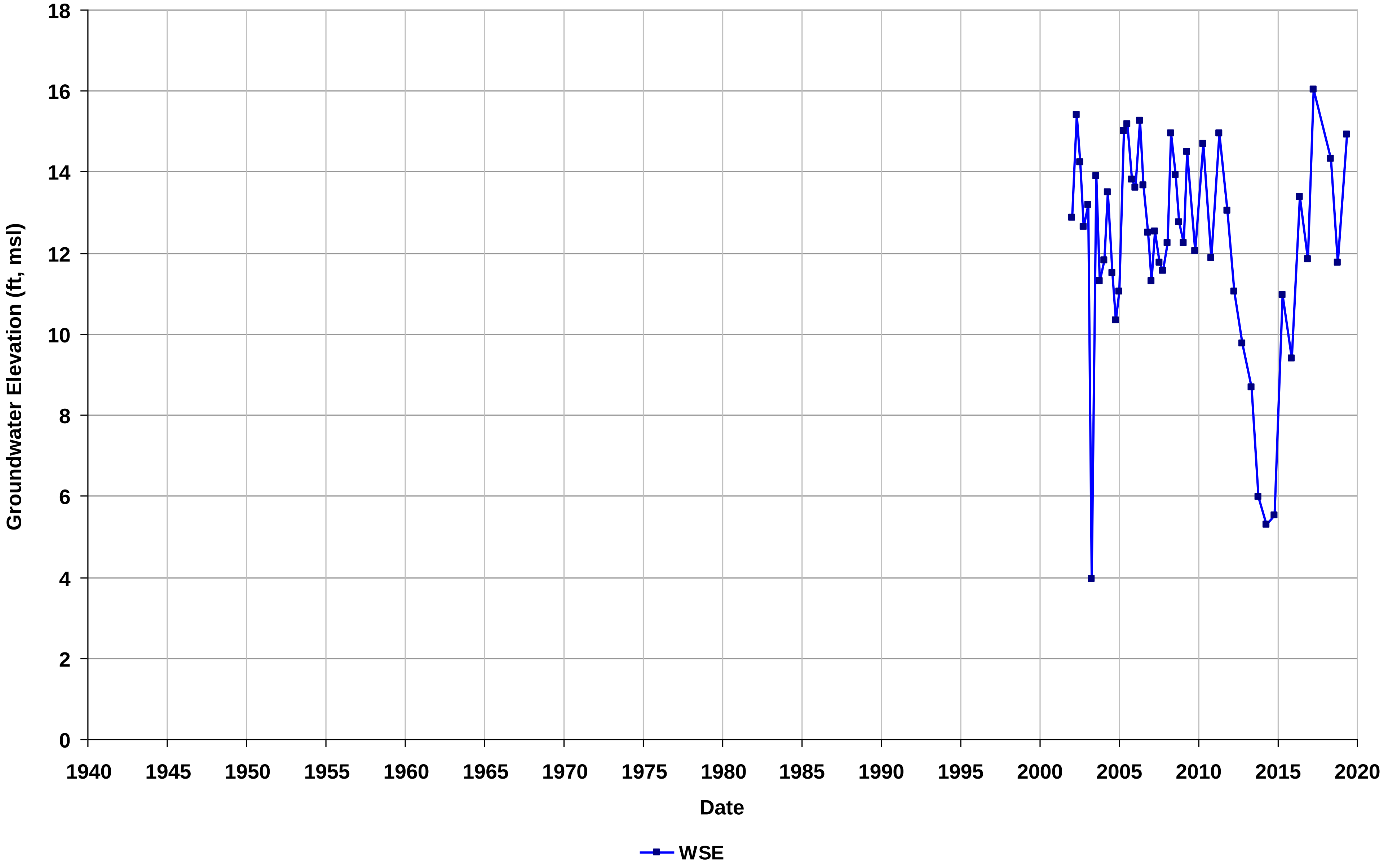
Well Name: T0600101268-S-9
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



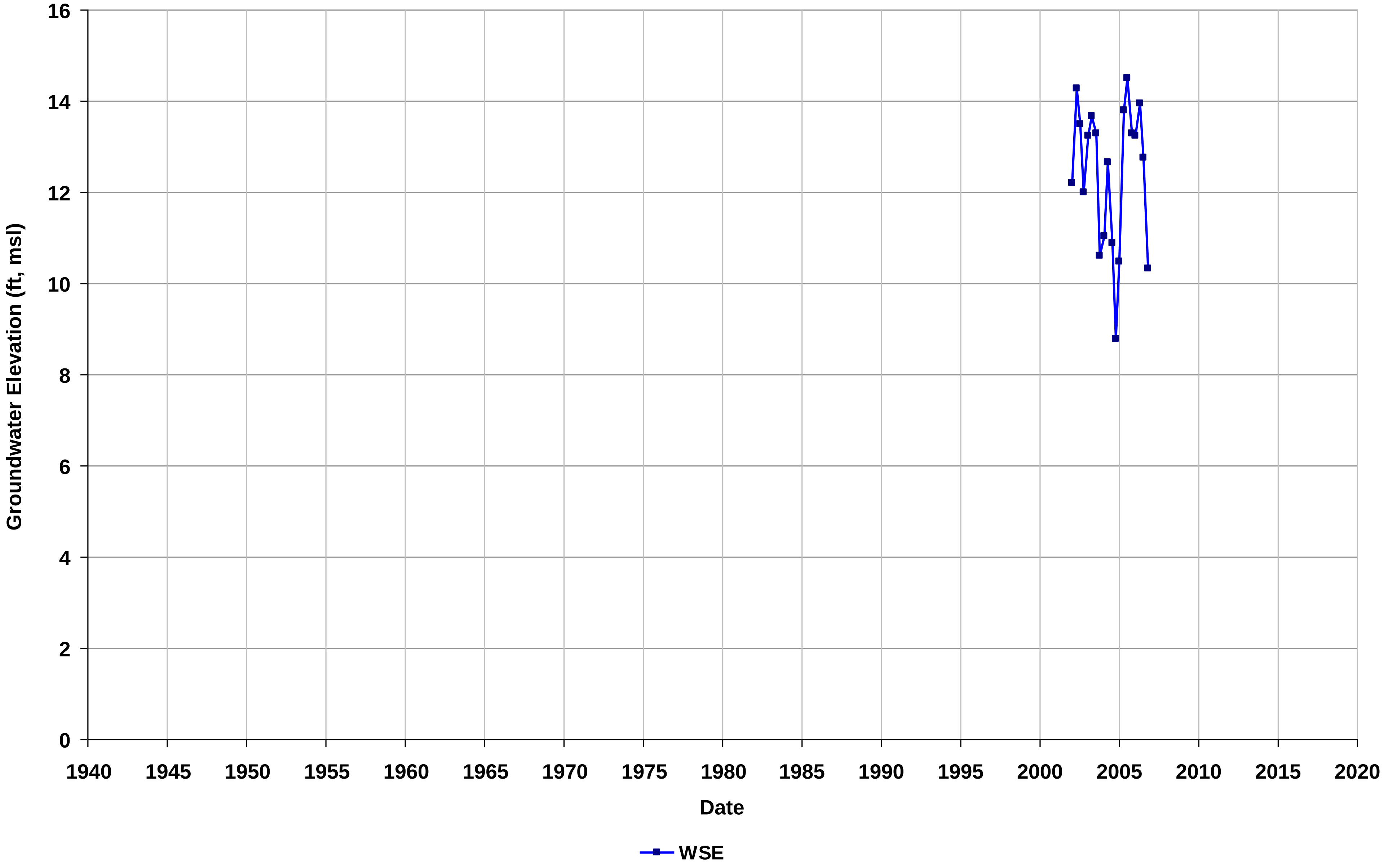
Well Name: T0600101269-S-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



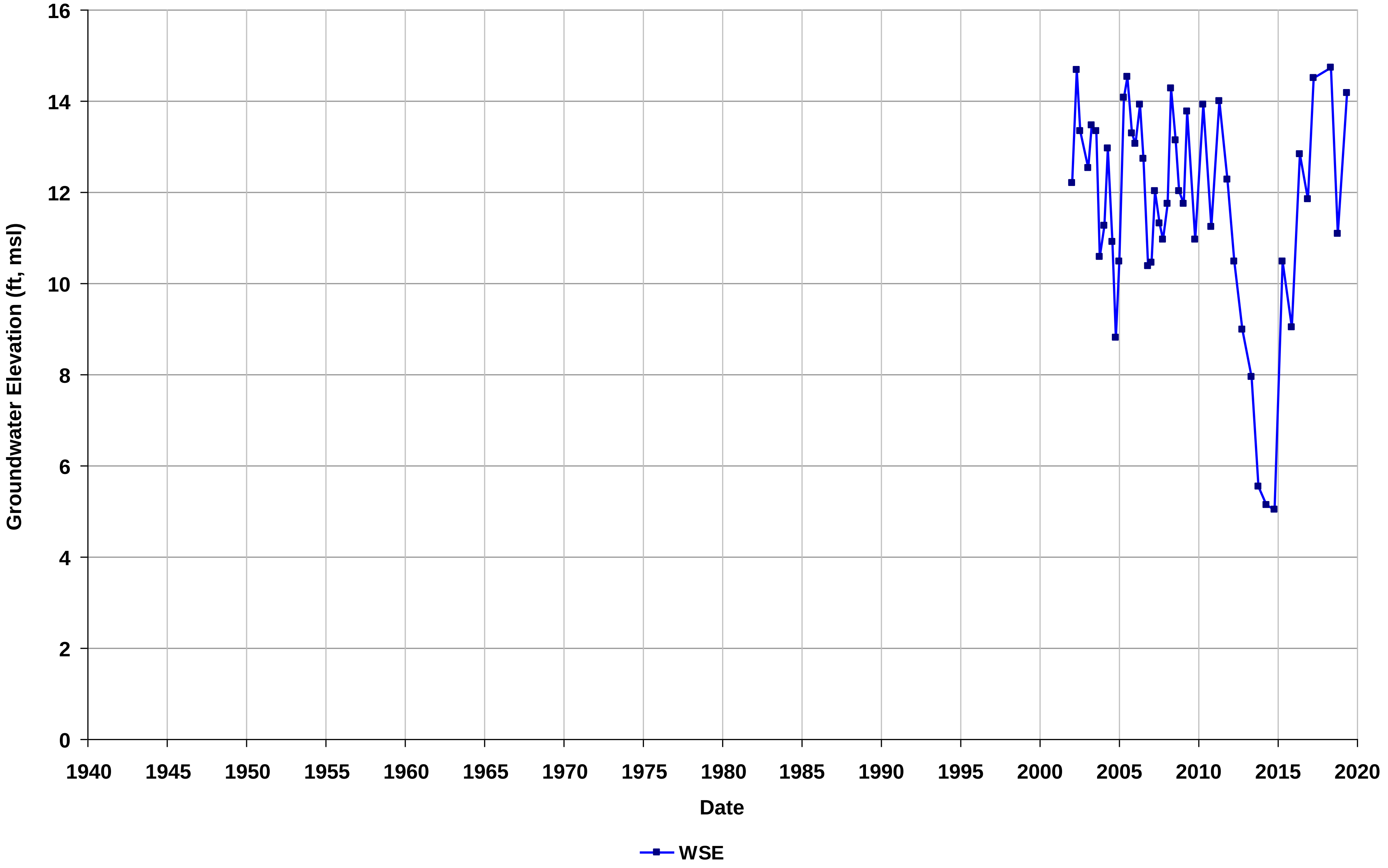
Well Name: T0600101269-S-11
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



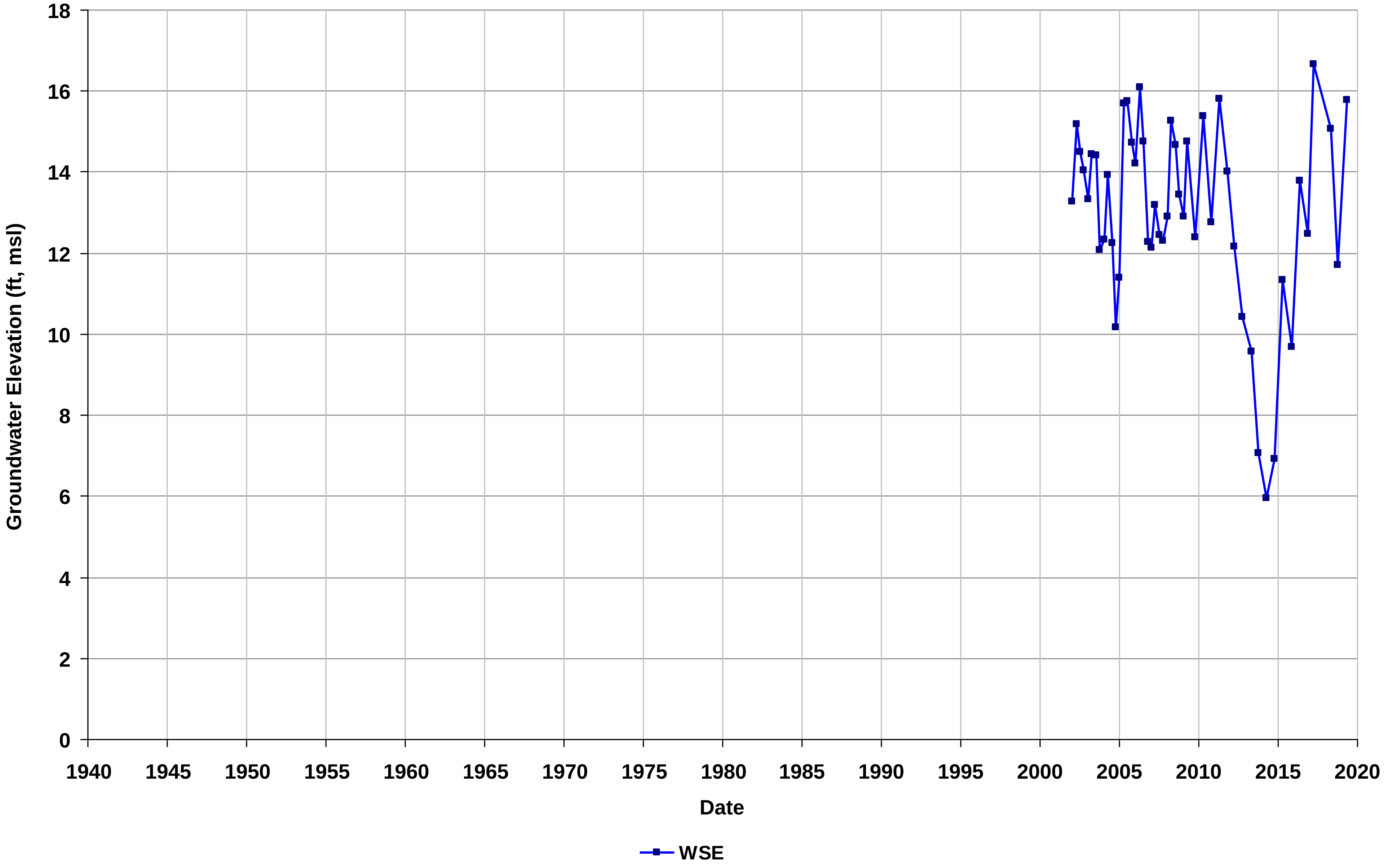
Well Name: T0600101269-S-18
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



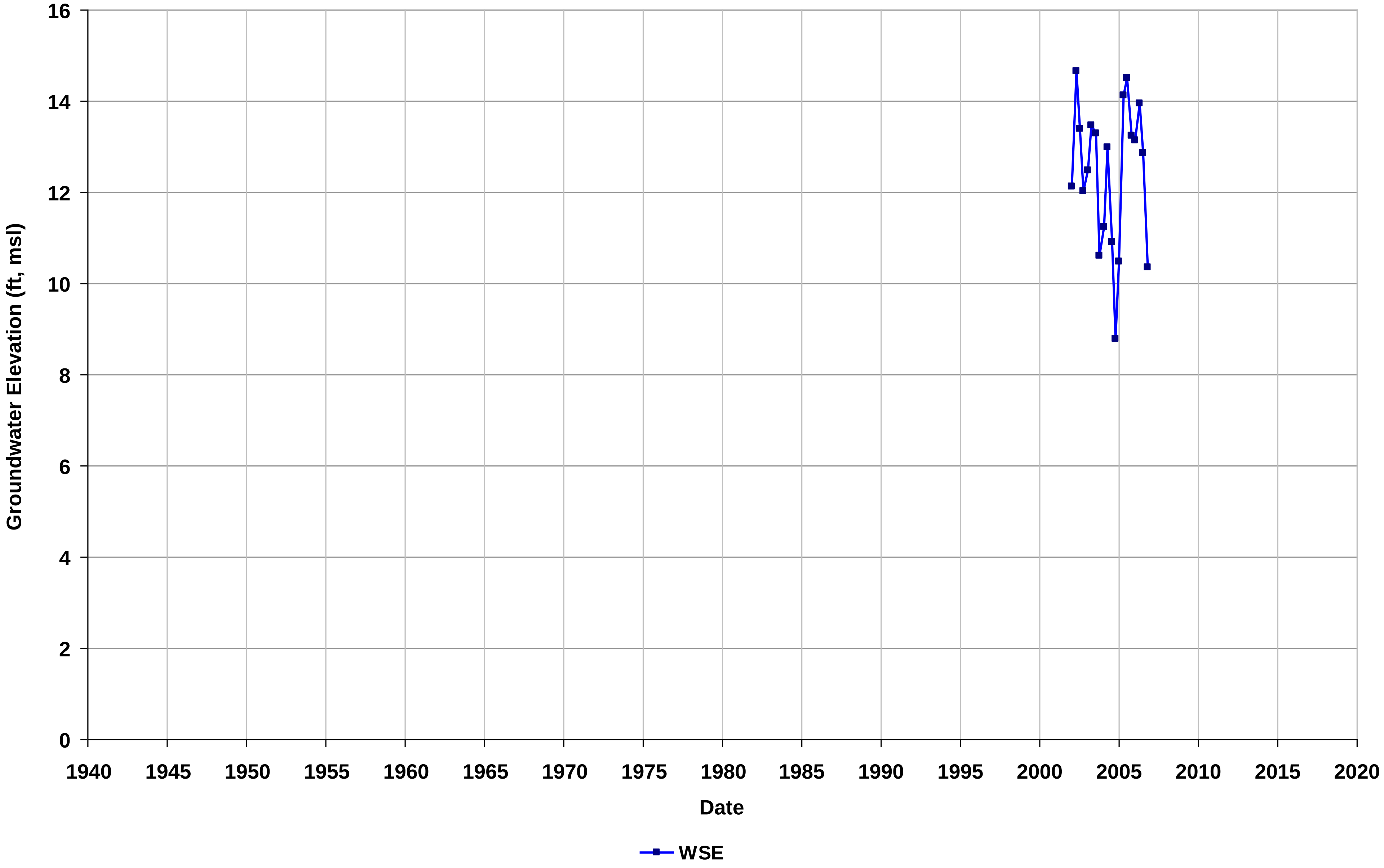
Well Name: T0600101269-S-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



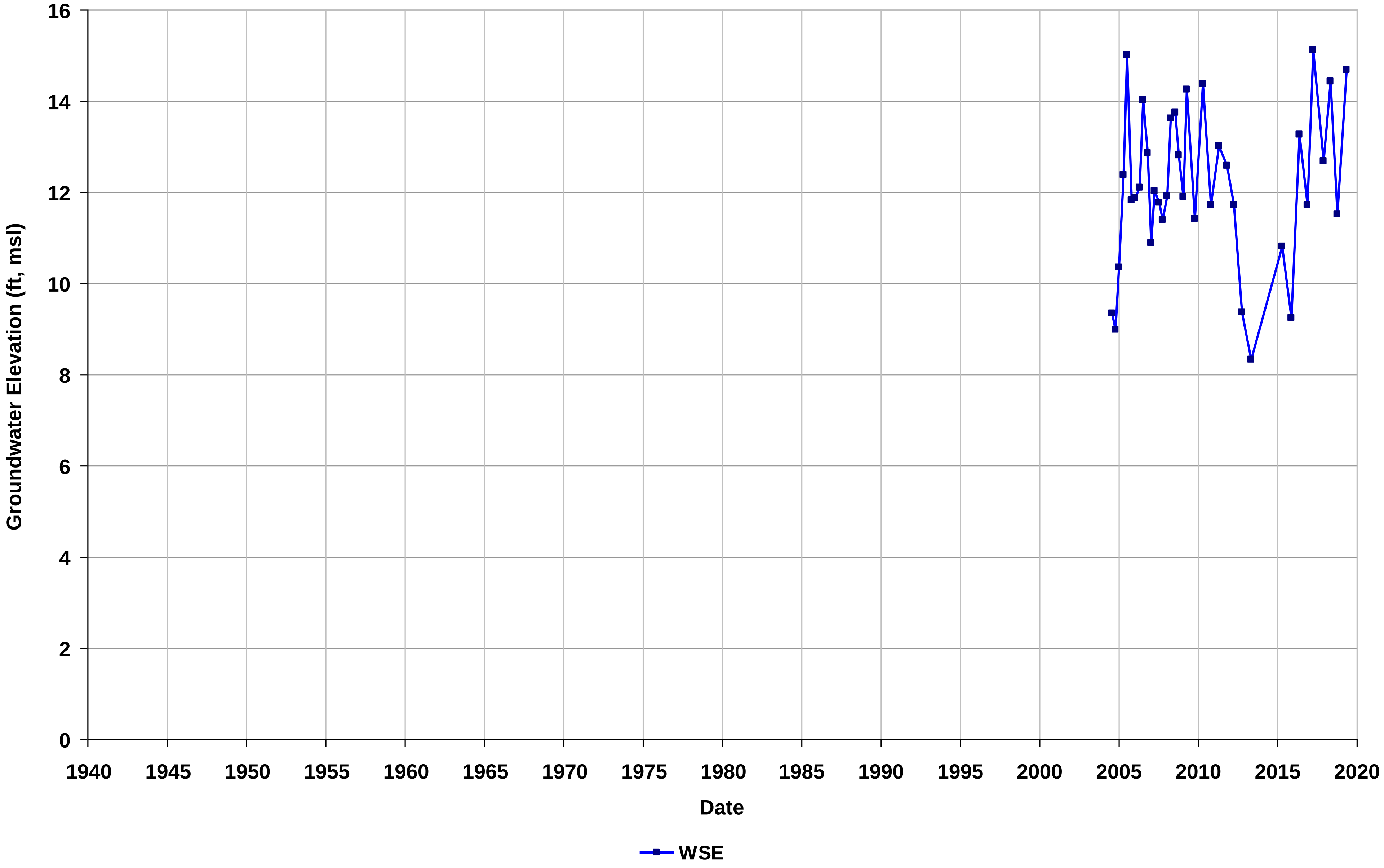
Well Name: T0600101269-S-9
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



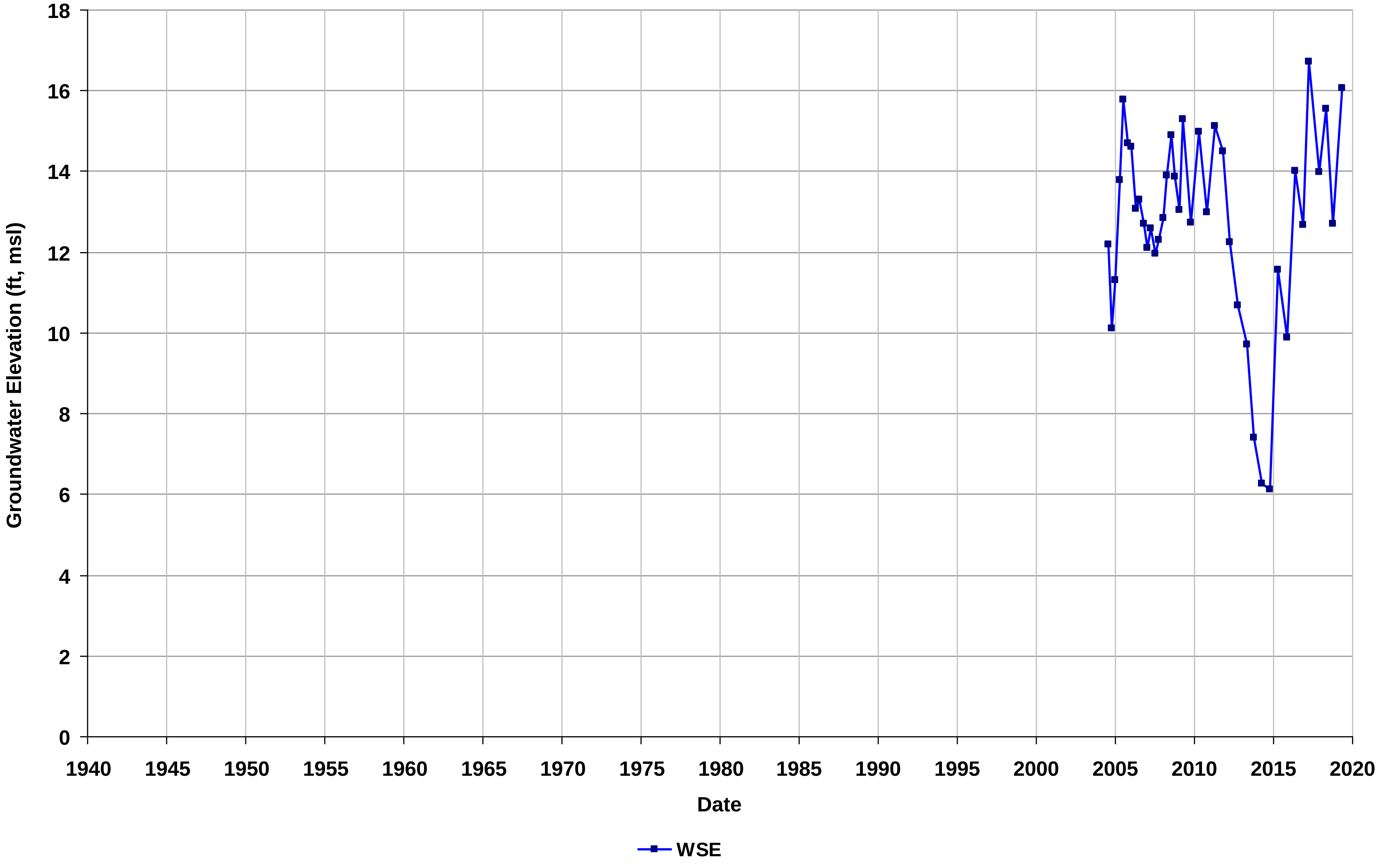
Well Name: T0600101269-VW-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



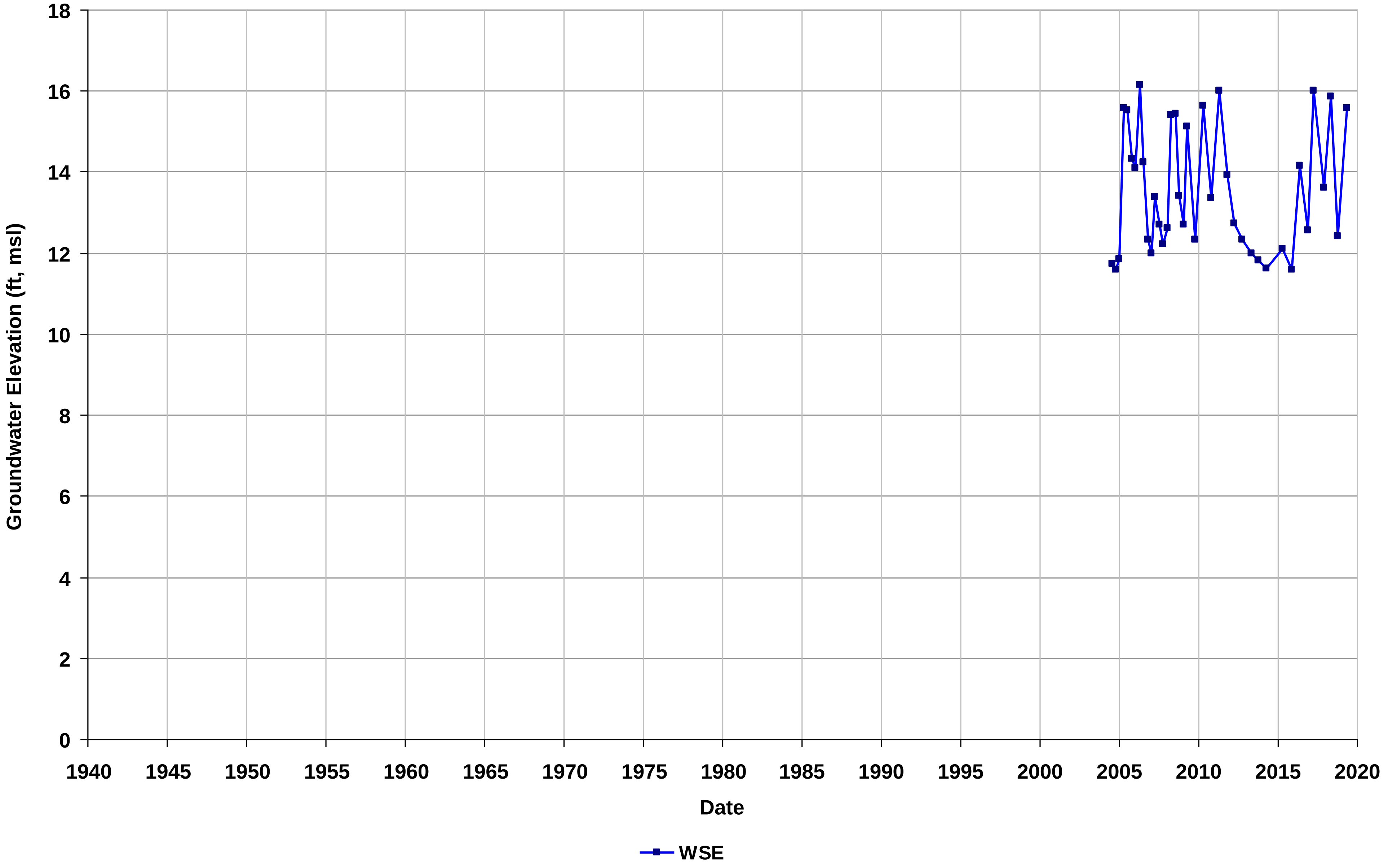
Well Name: T0600101269-VW-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



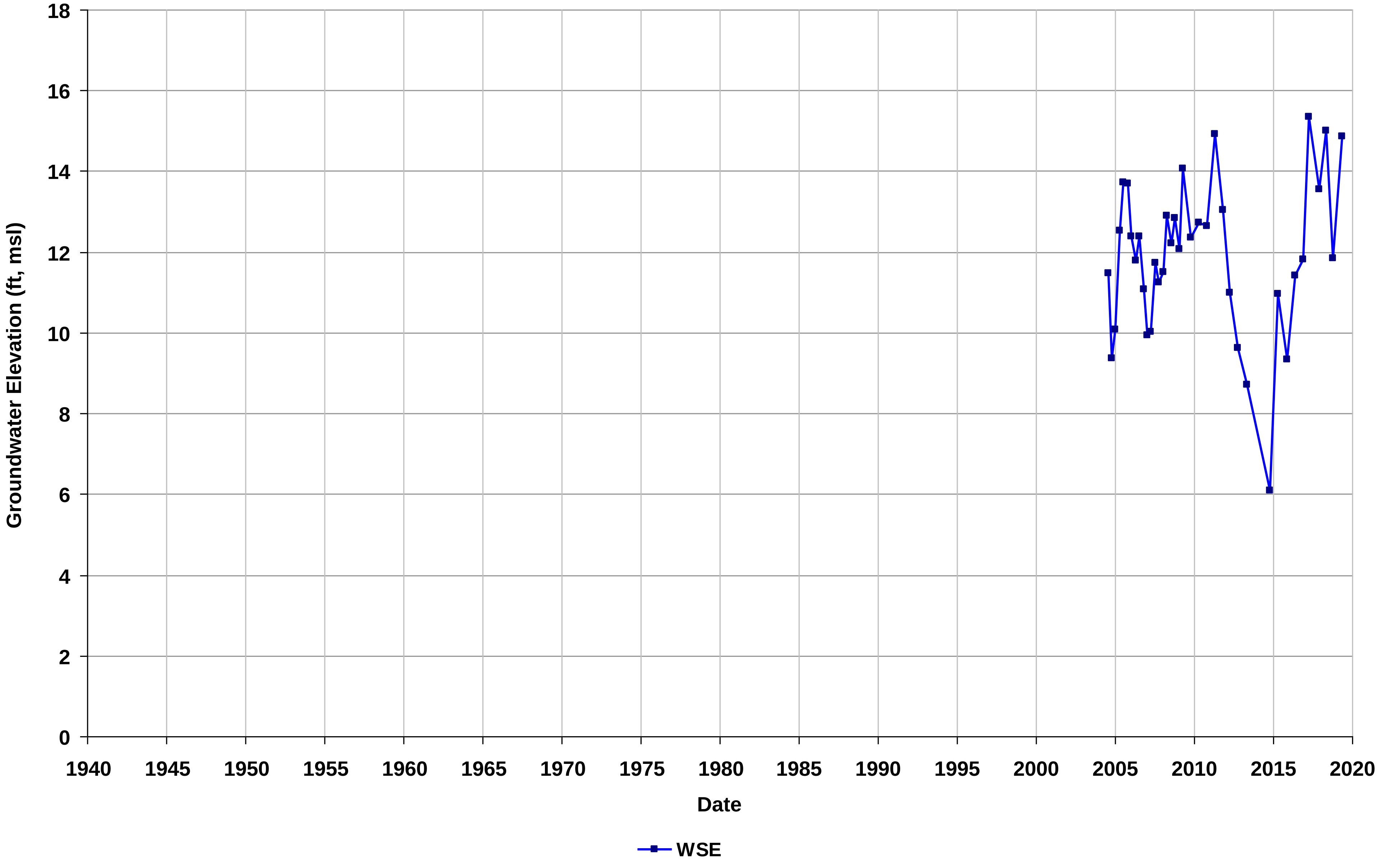
Well Name: T0600101269-VW-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



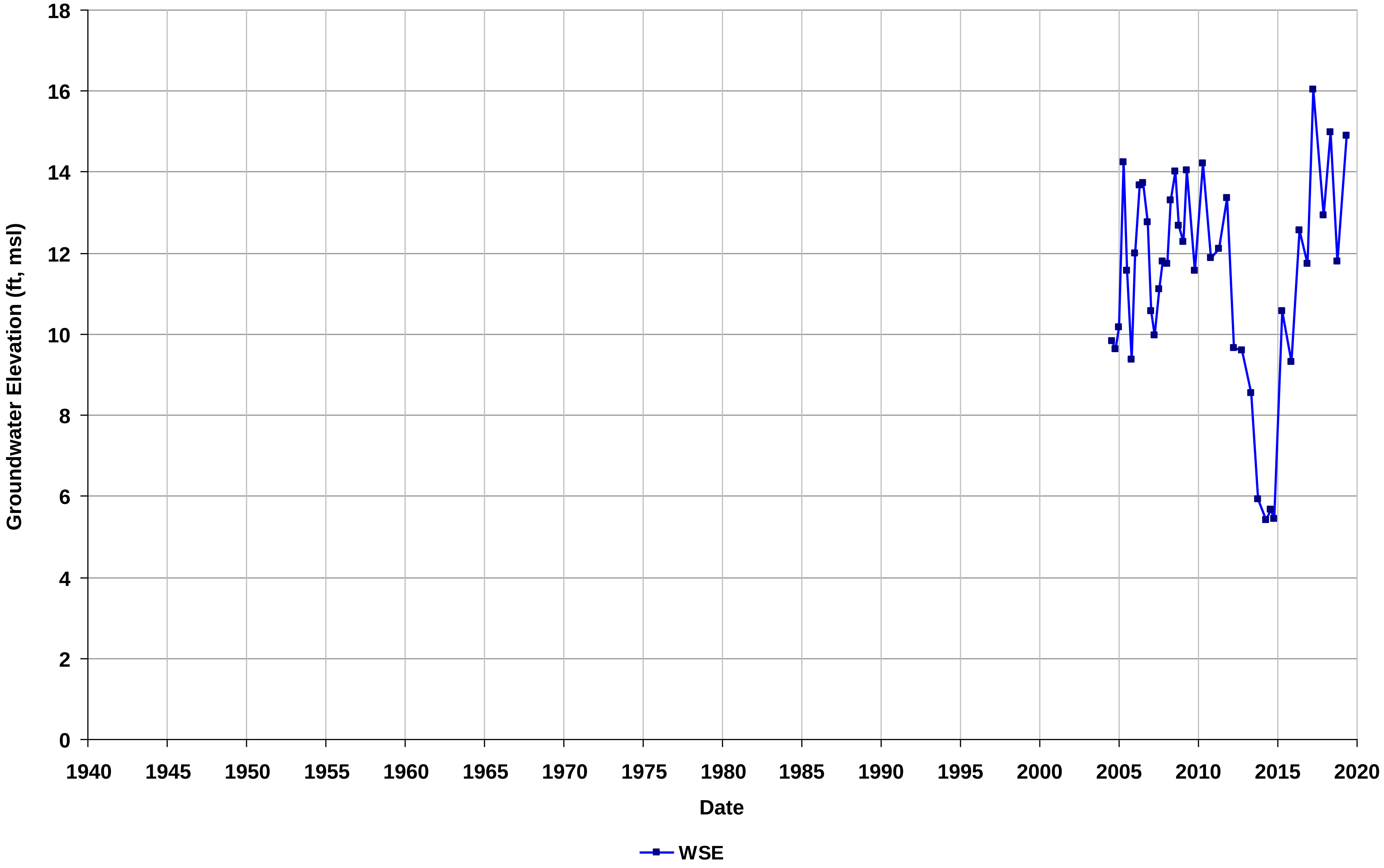
Well Name: T0600101269-VW-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



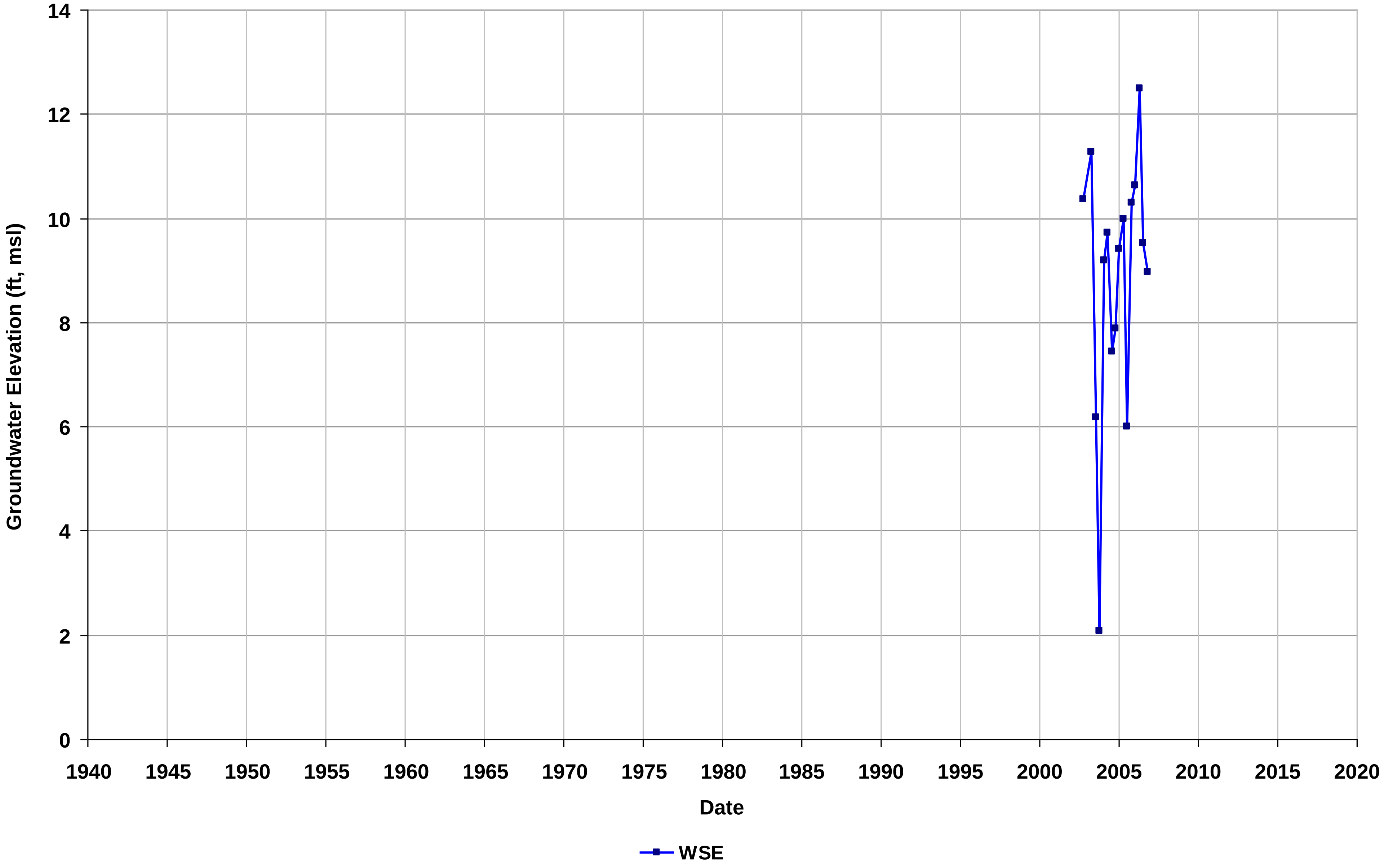
Well Name: T0600101269-VW-5
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



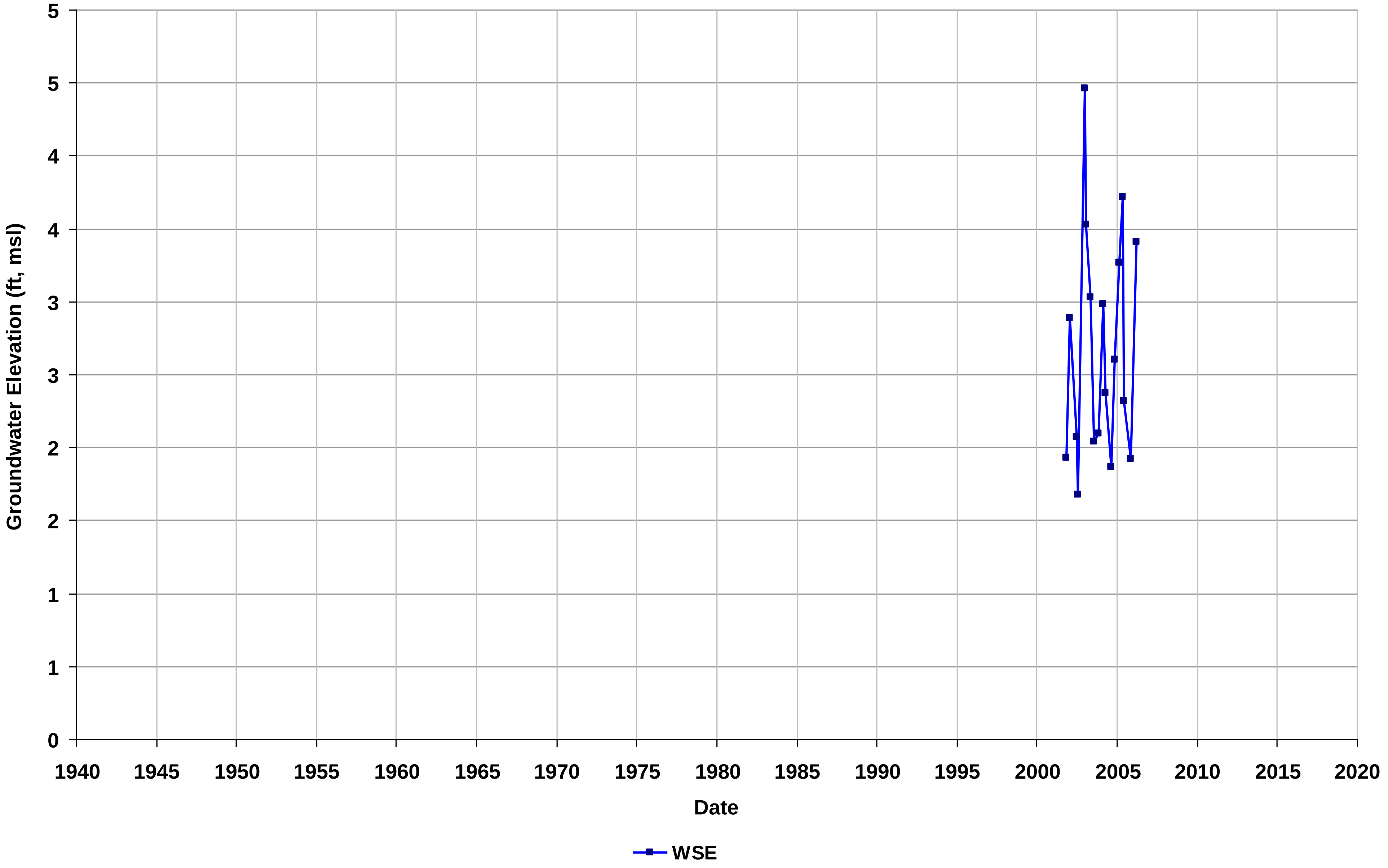
Well Name: T0600101271-S-15
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/26
Well Use: Observation



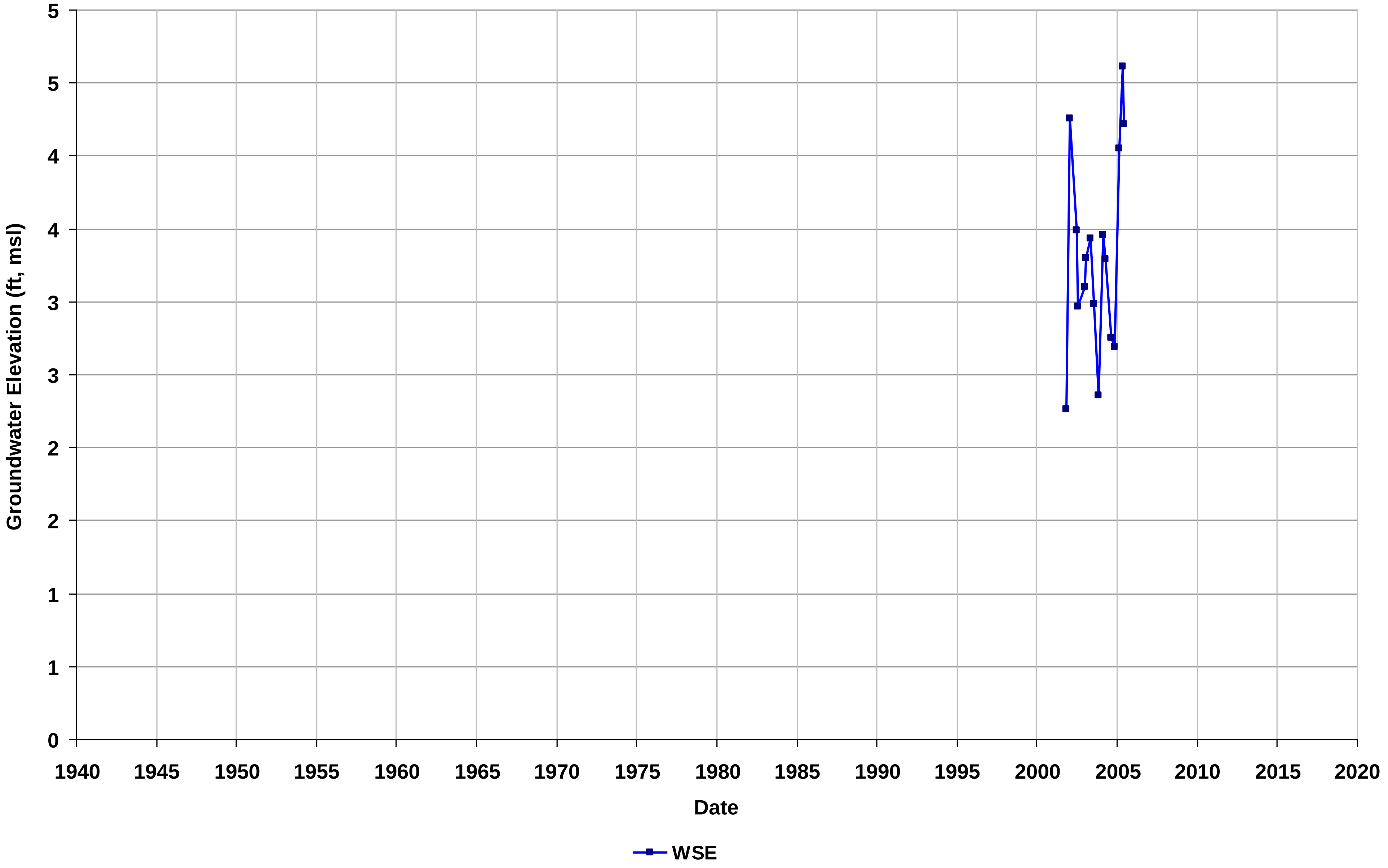
Well Name: T0600101273-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



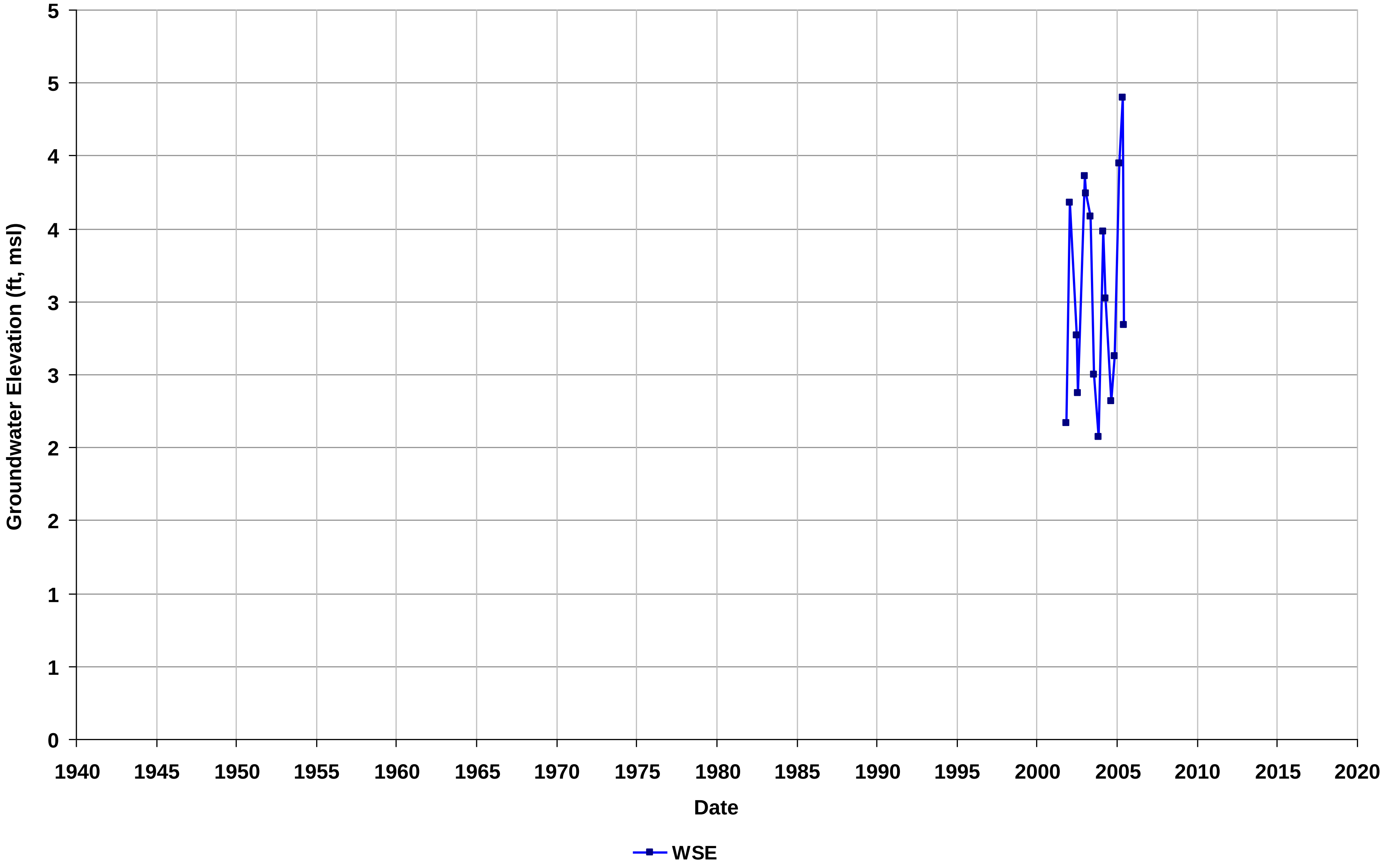
Well Name: T0600101273-MW-10
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



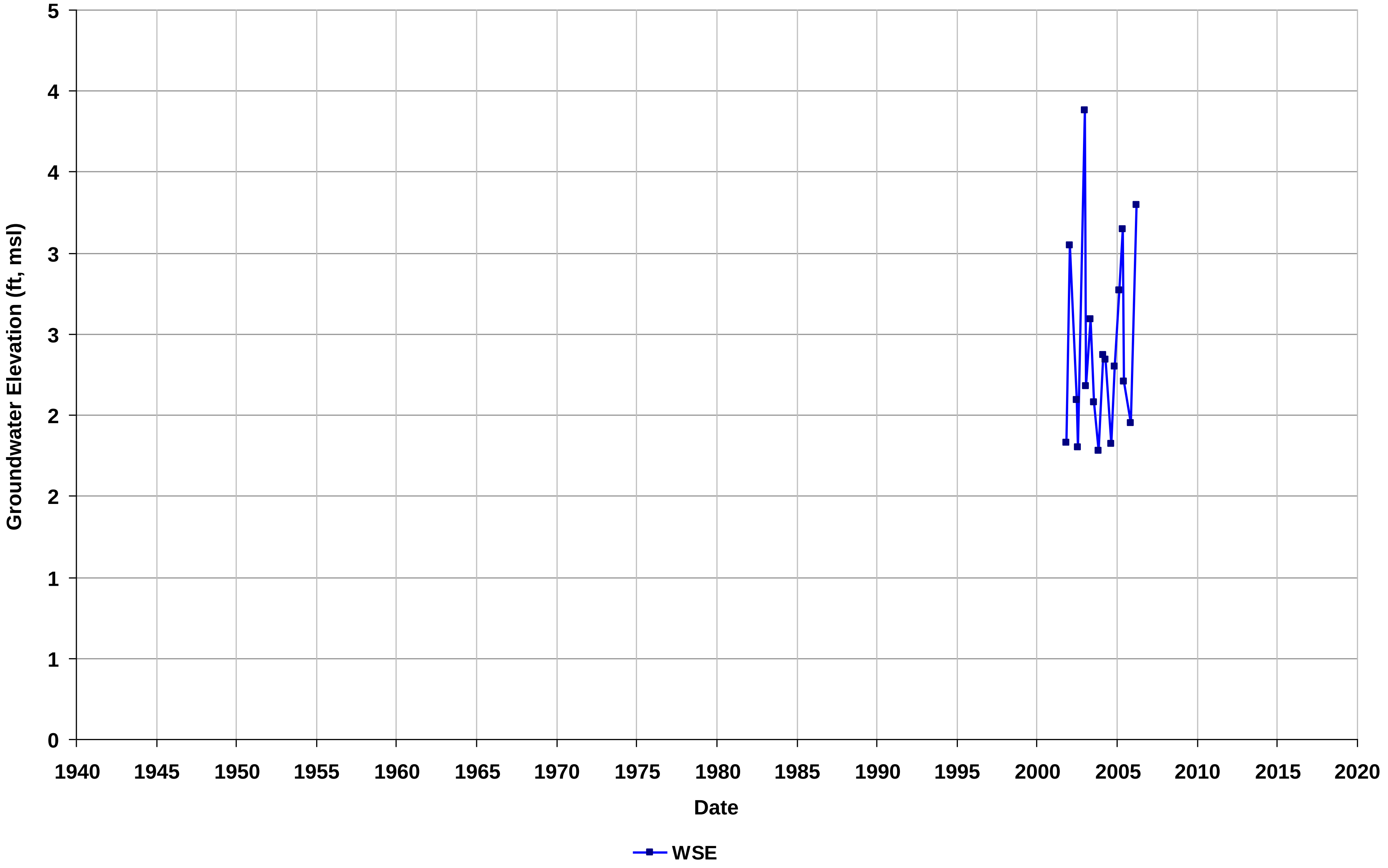
Well Name: T0600101273-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



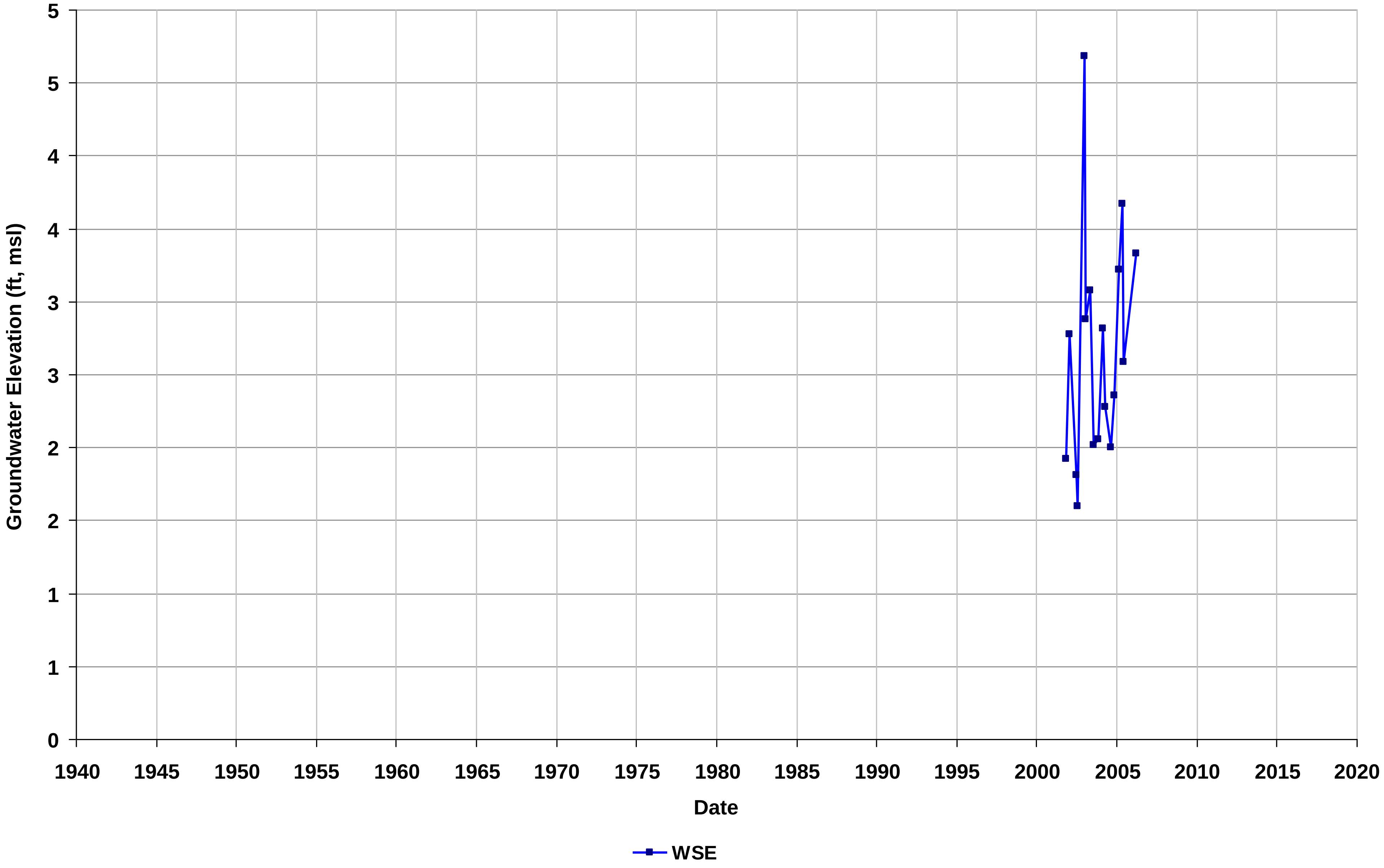
Well Name: T0600101273-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



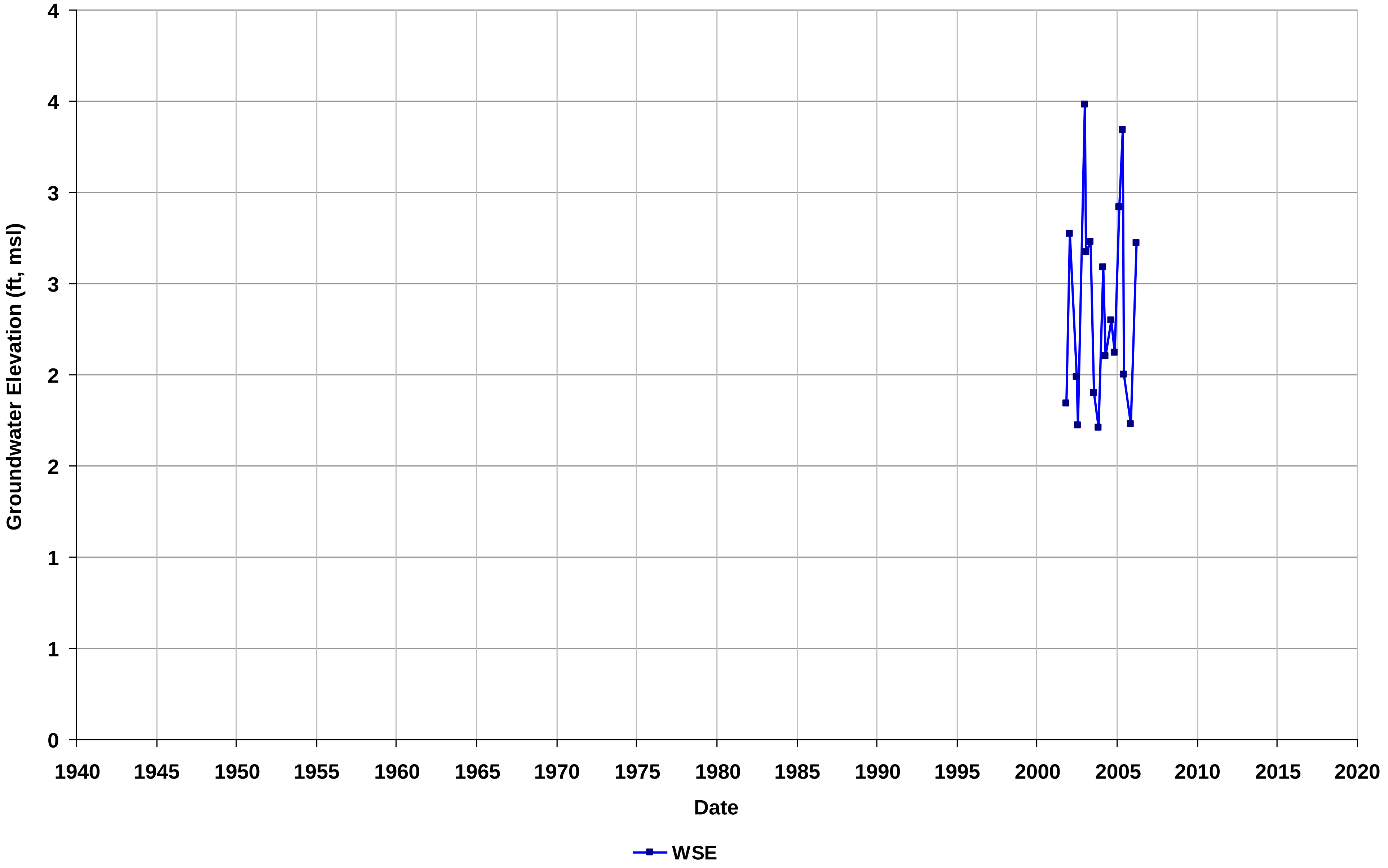
Well Name: T0600101273-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



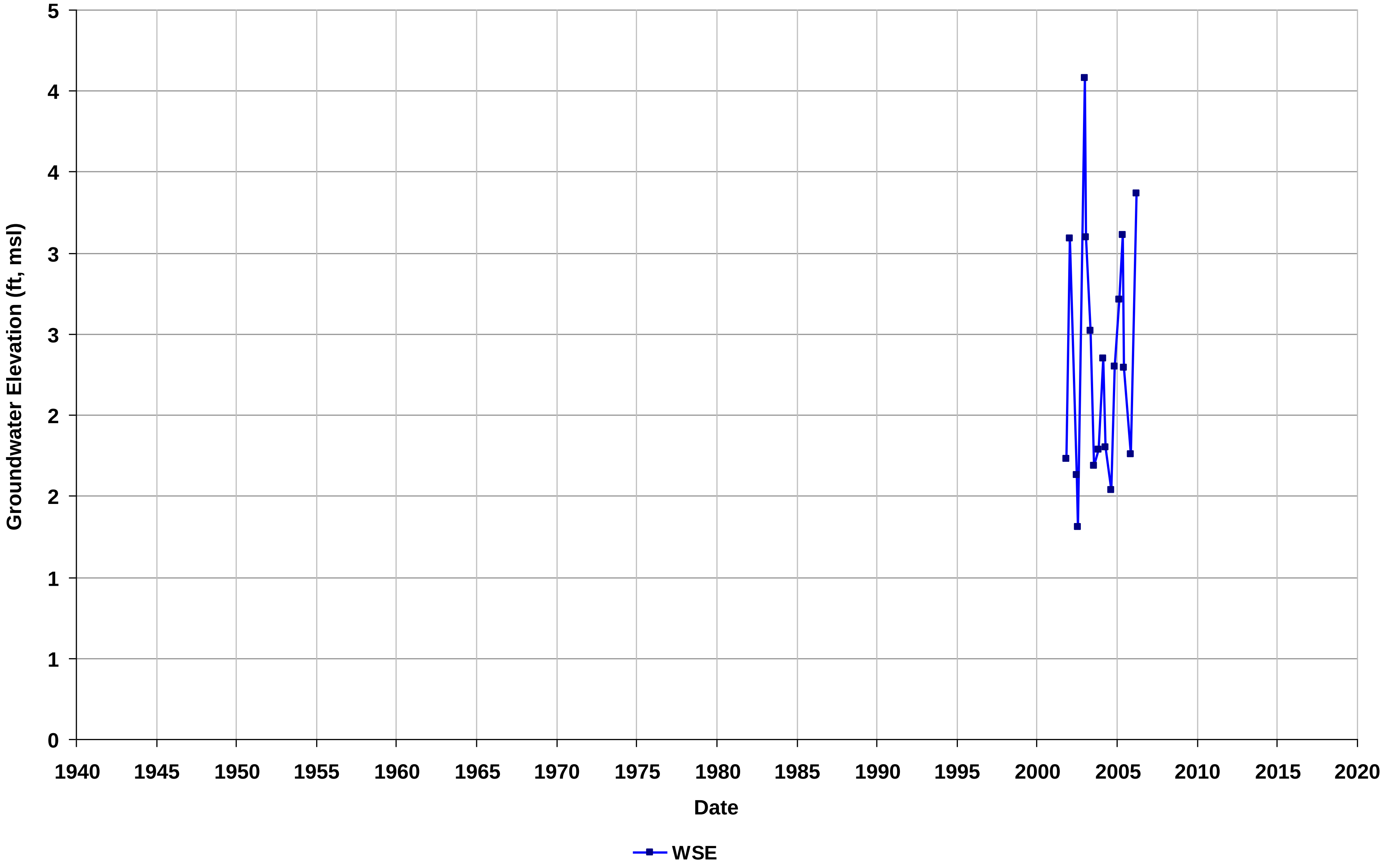
Well Name: T0600101273-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



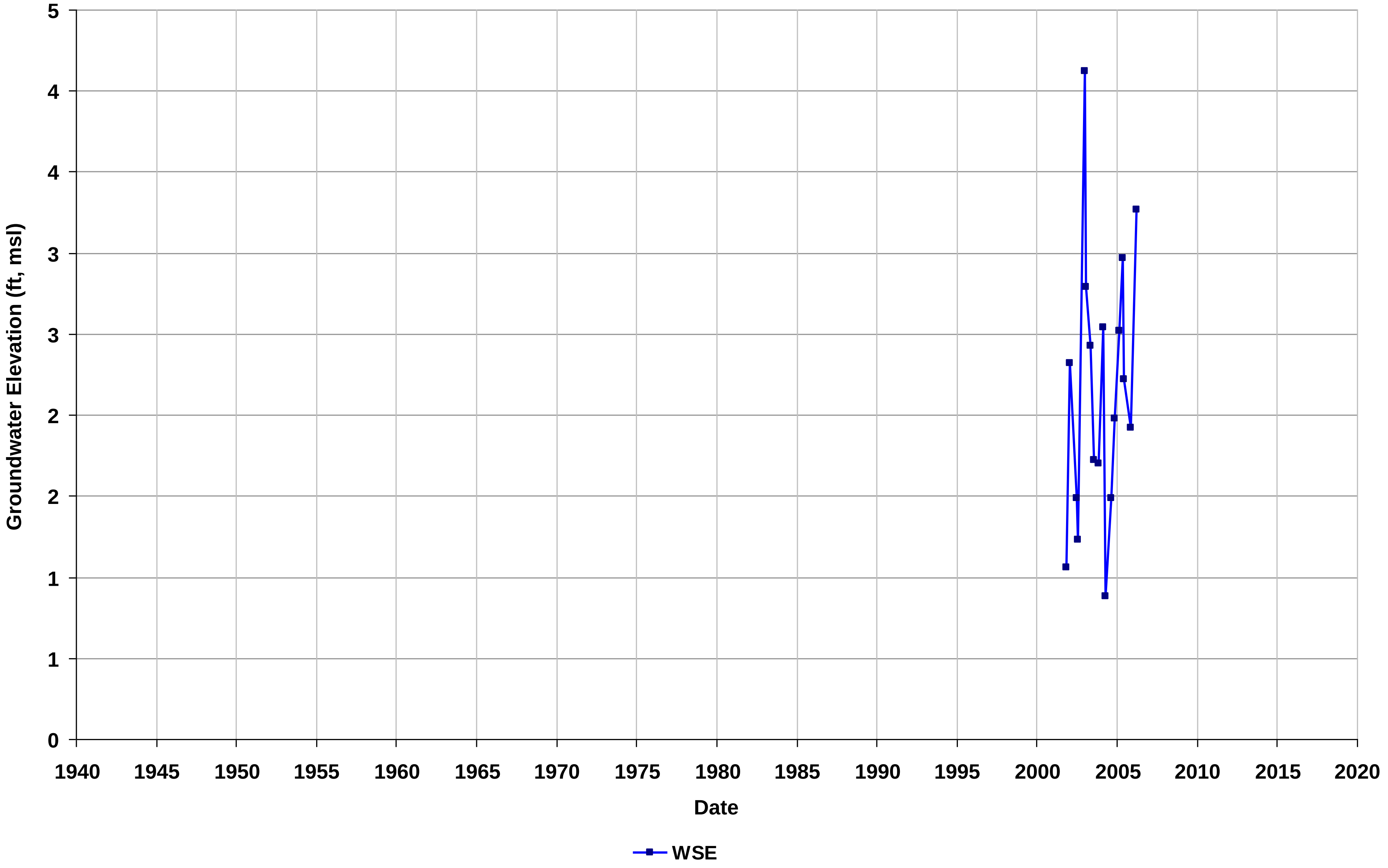
Well Name: T0600101273-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



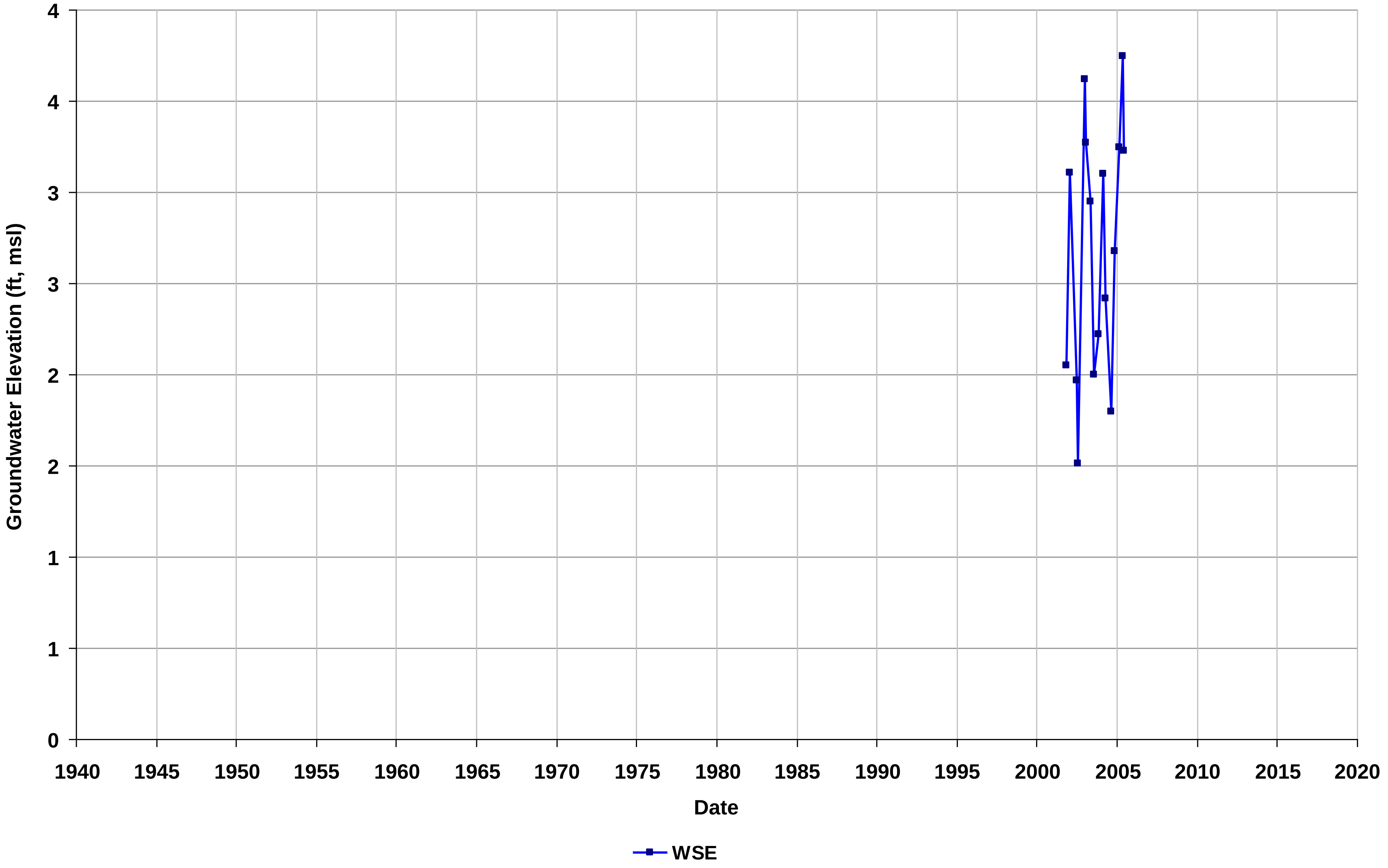
Well Name: T0600101273-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



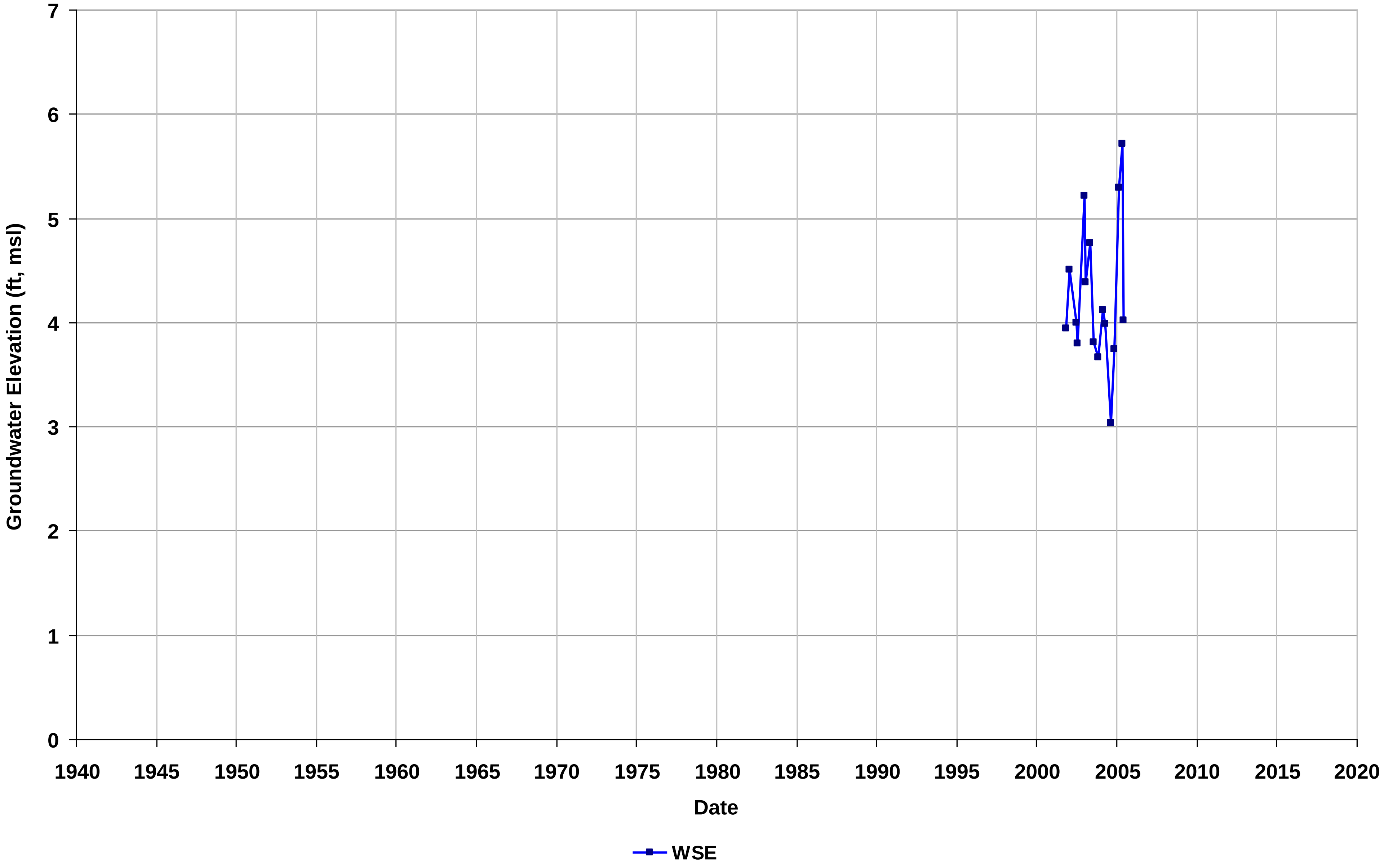
Well Name: T0600101273-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



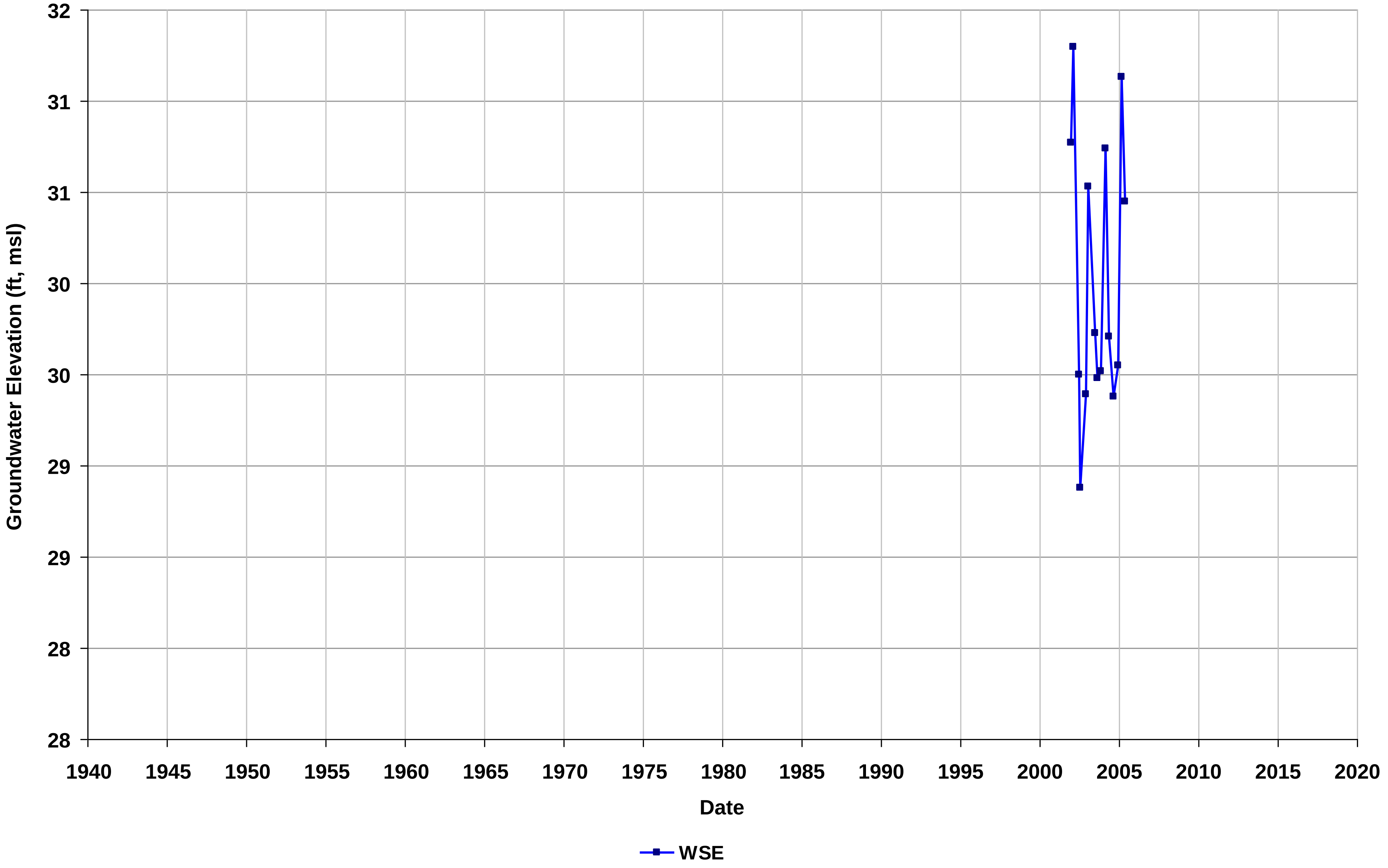
Well Name: T0600101273-MW-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



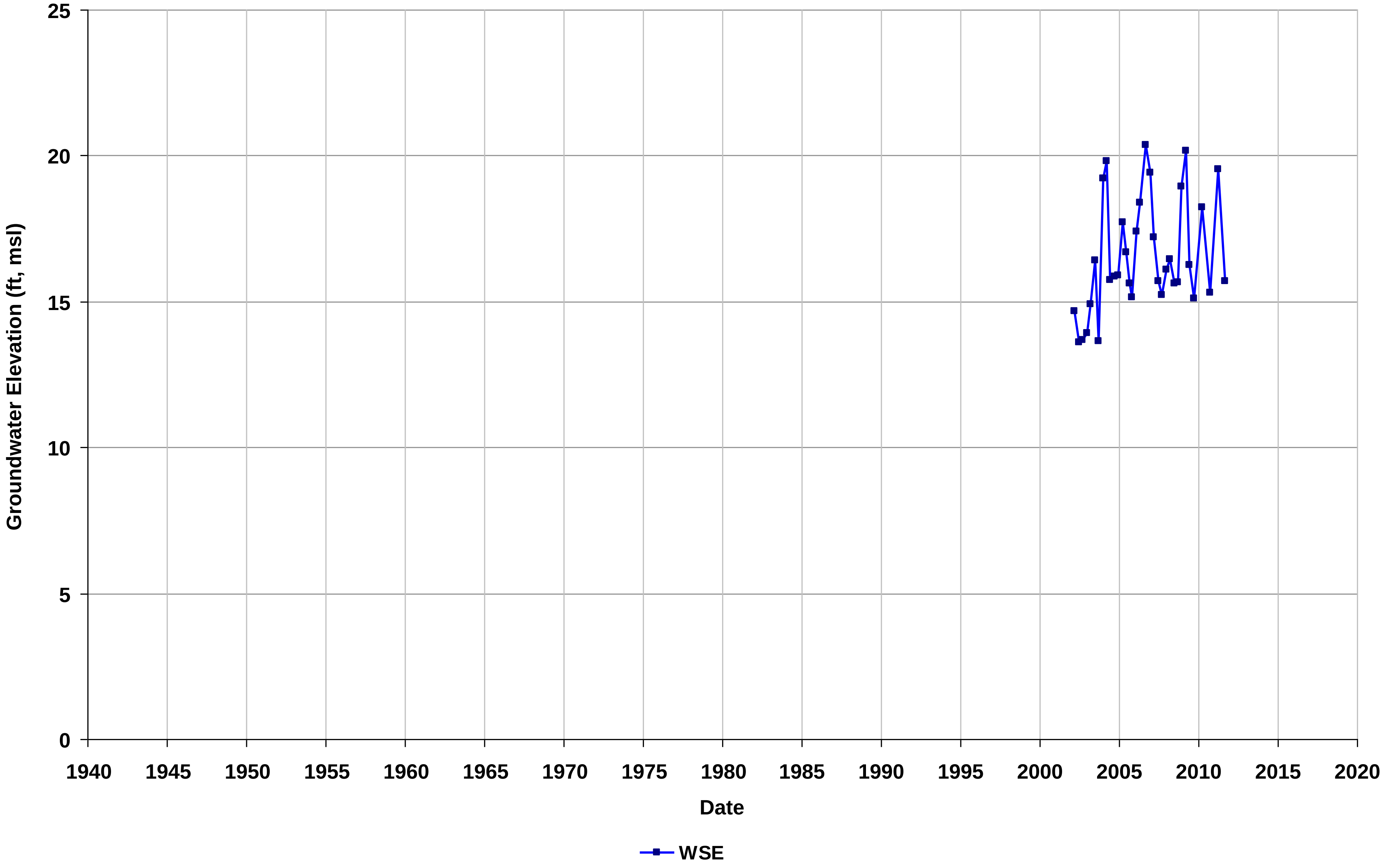
Well Name: T0600101277-S-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/33
Well Use: Observation



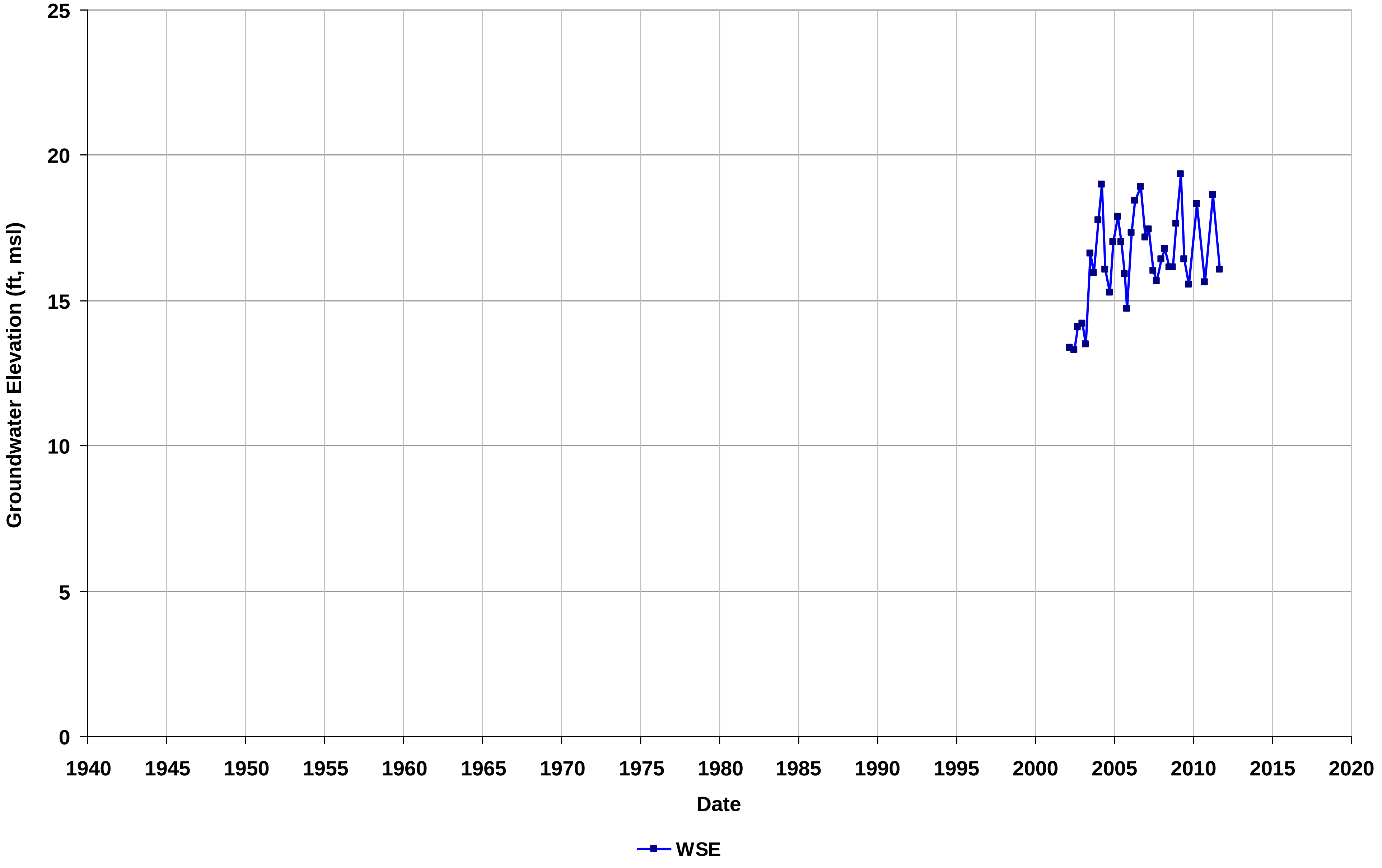
Well Name: T0600101333-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/10
Well Use: Observation



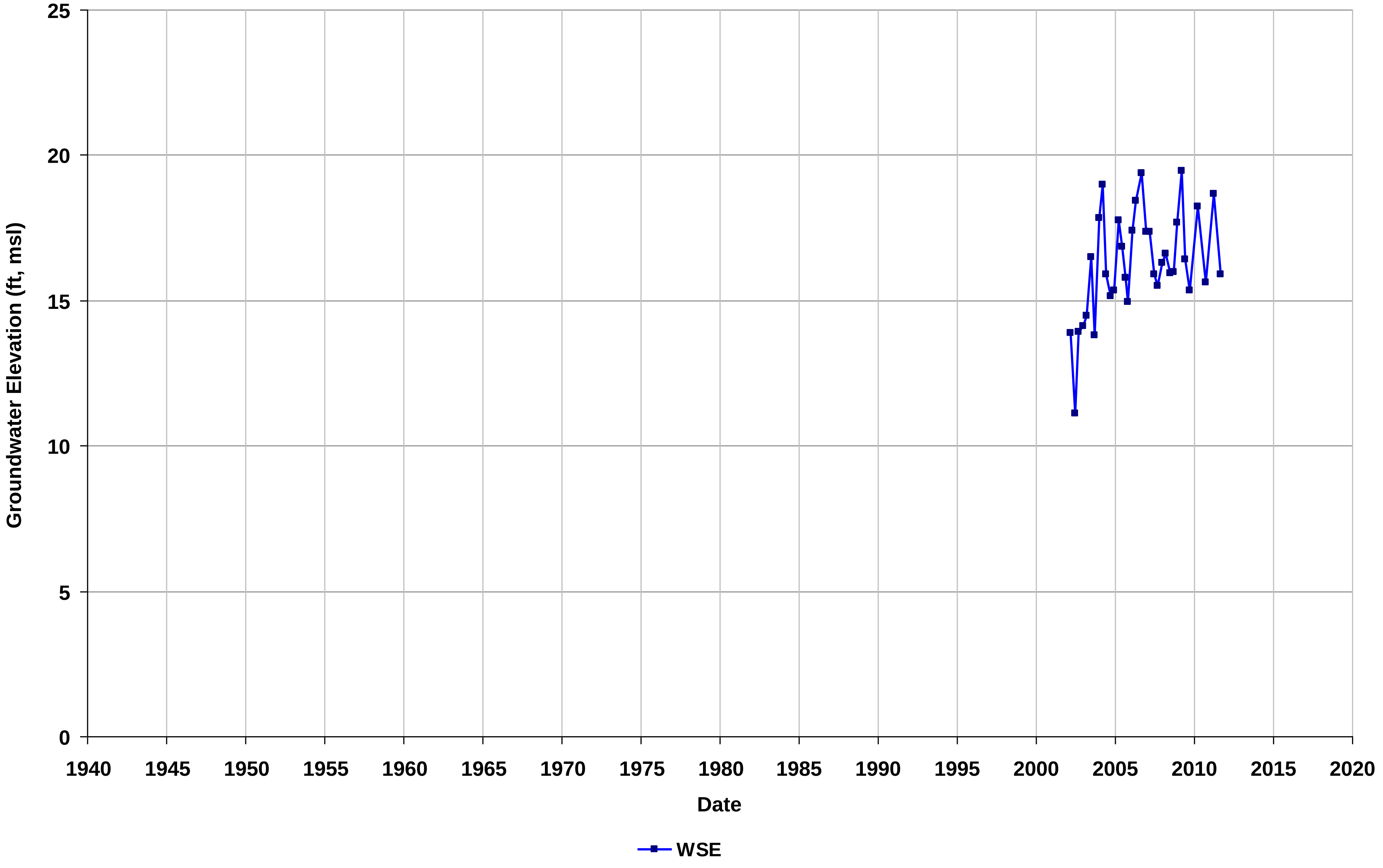
Well Name: T0600101333-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/10
Well Use: Observation



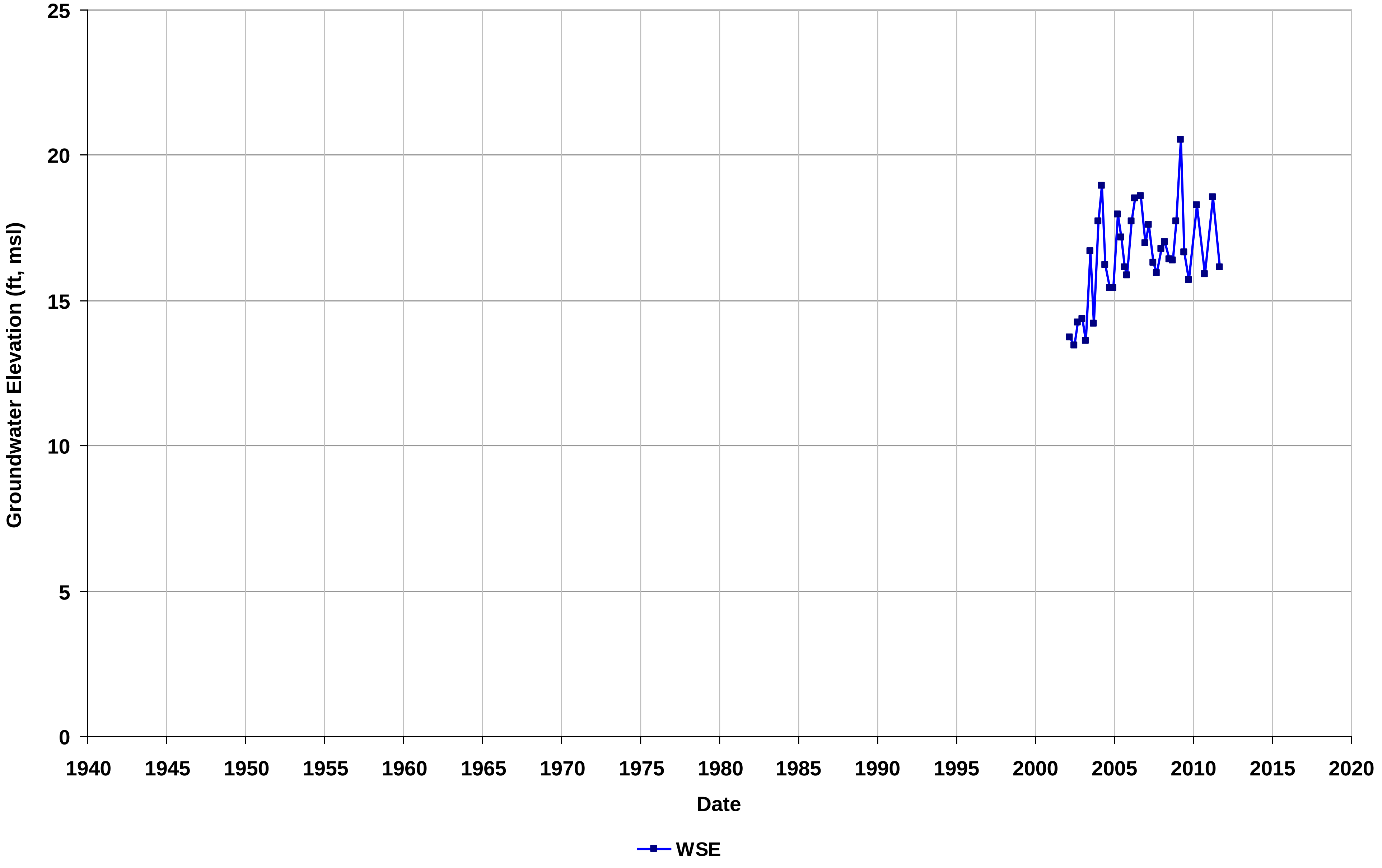
Well Name: T0600101333-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/10
Well Use: Observation



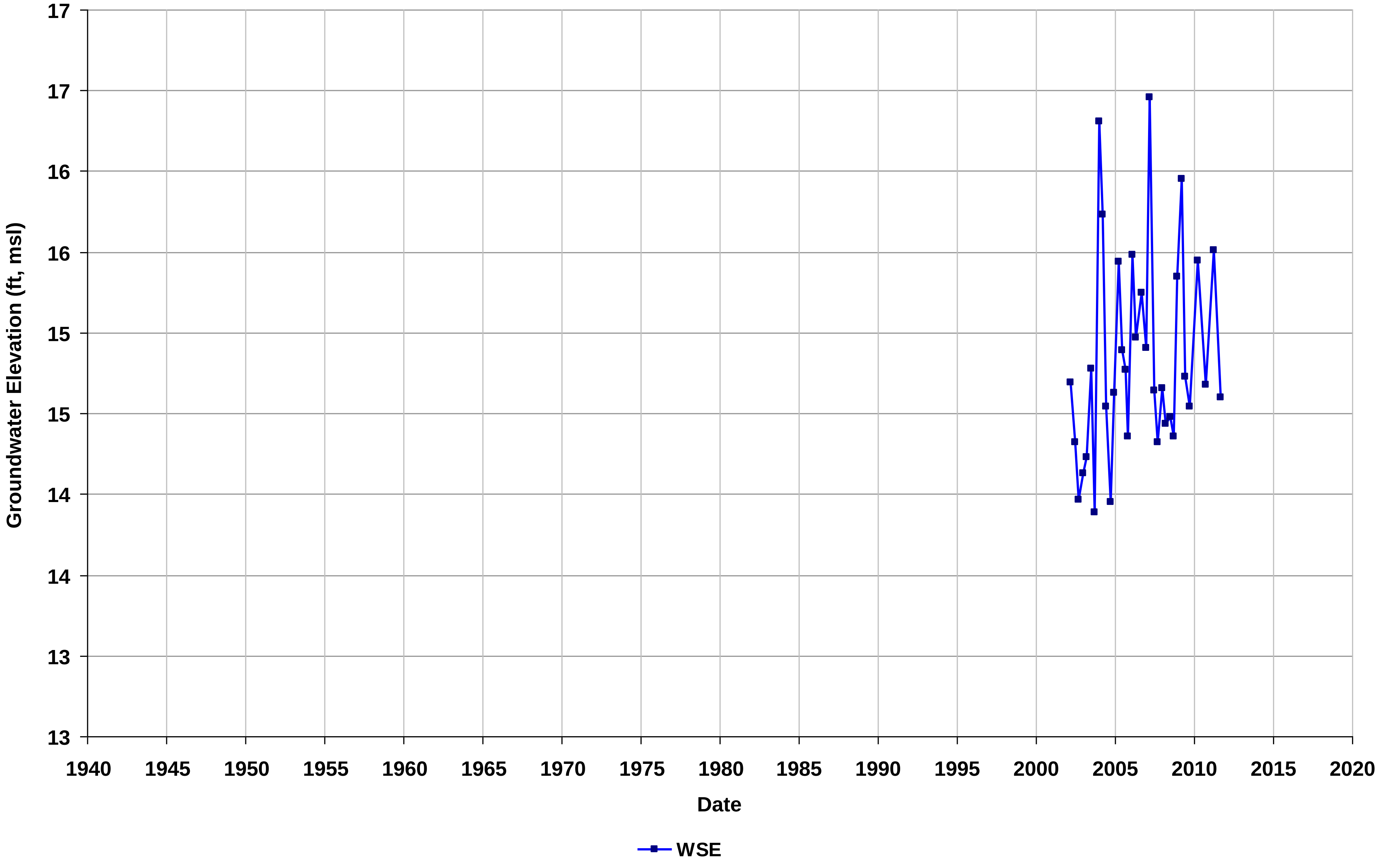
Well Name: T0600101333-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/10
Well Use: Observation



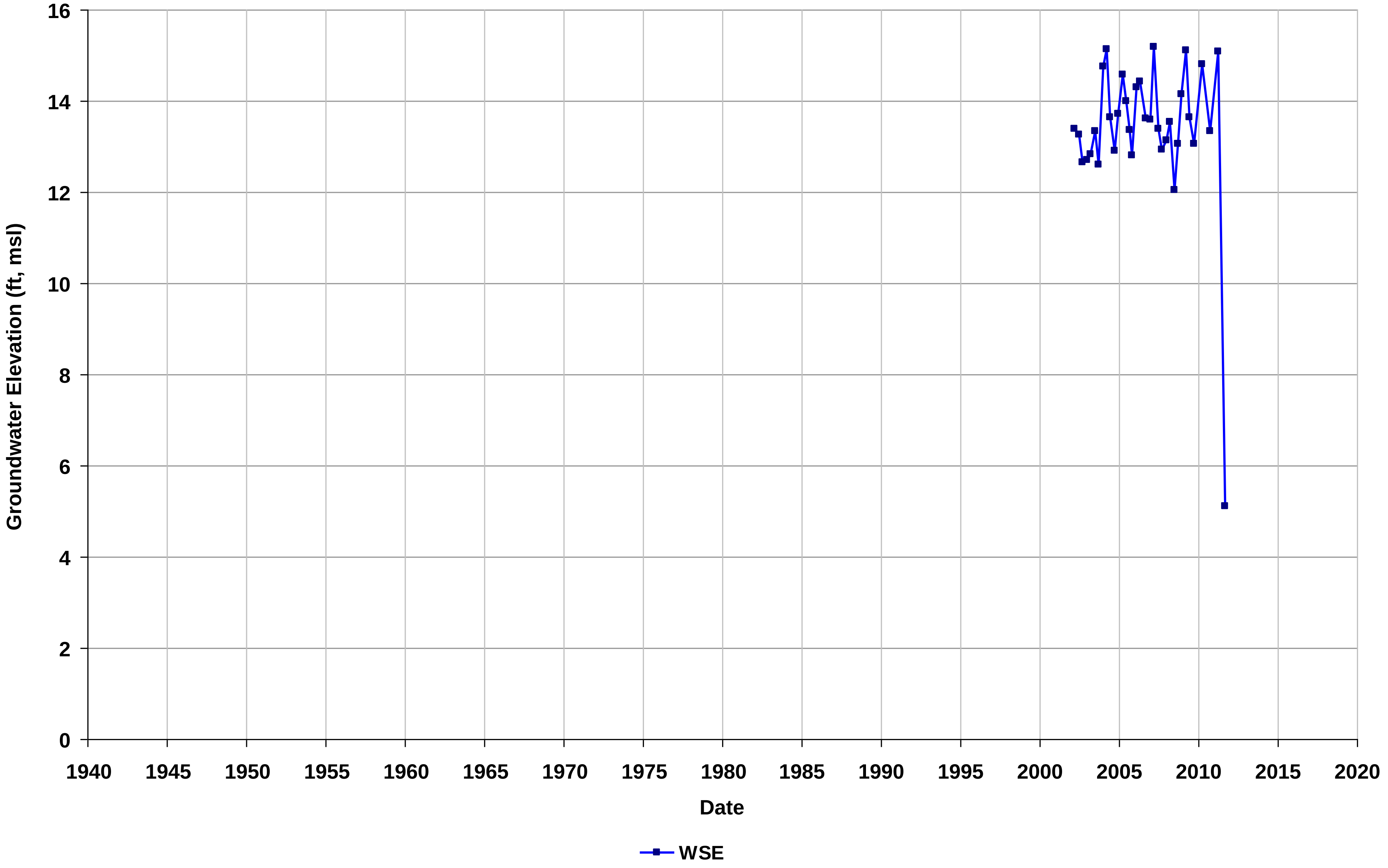
Well Name: T0600101333-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/10
Well Use: Observation



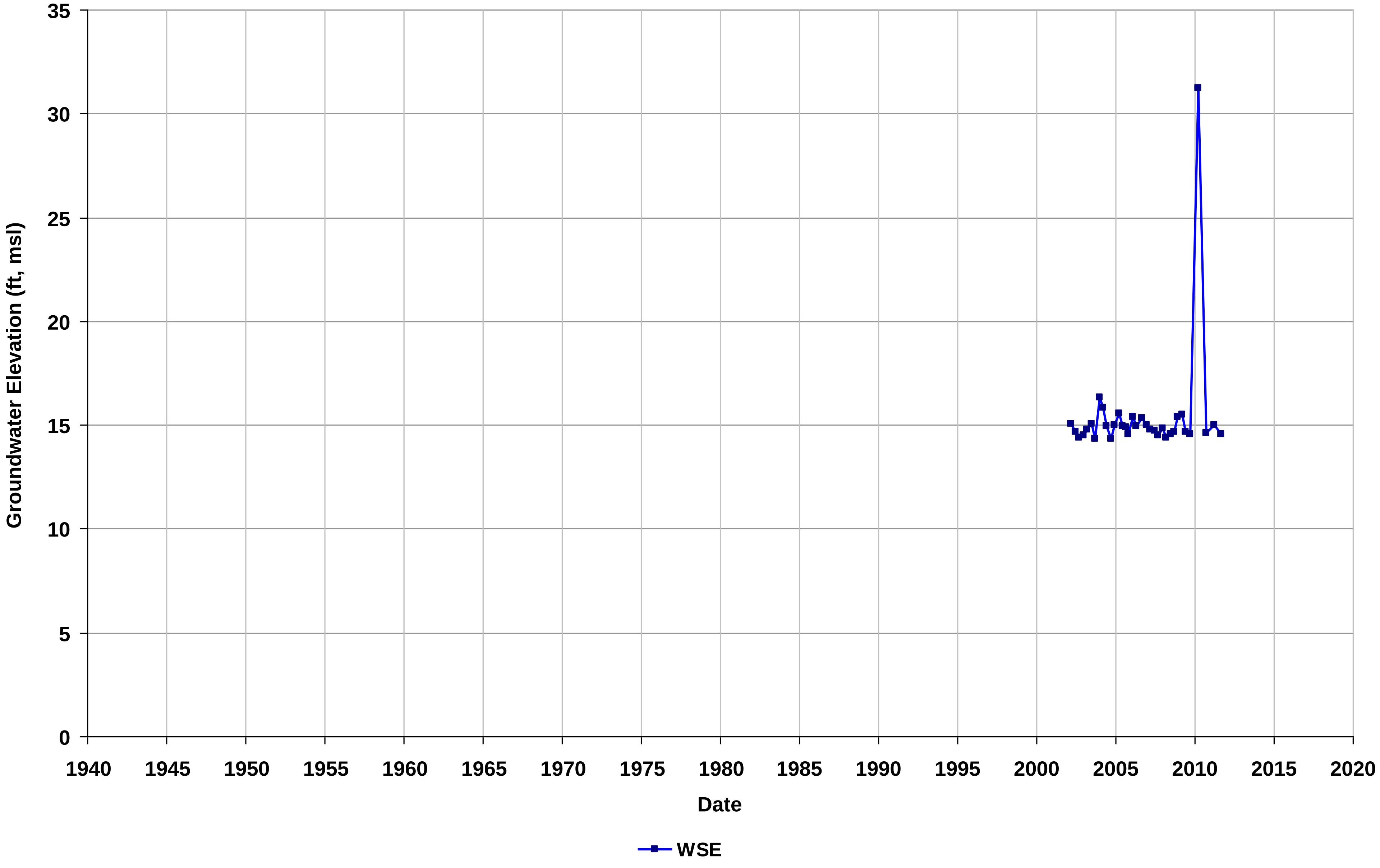
Well Name: T0600101333-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/10
Well Use: Observation



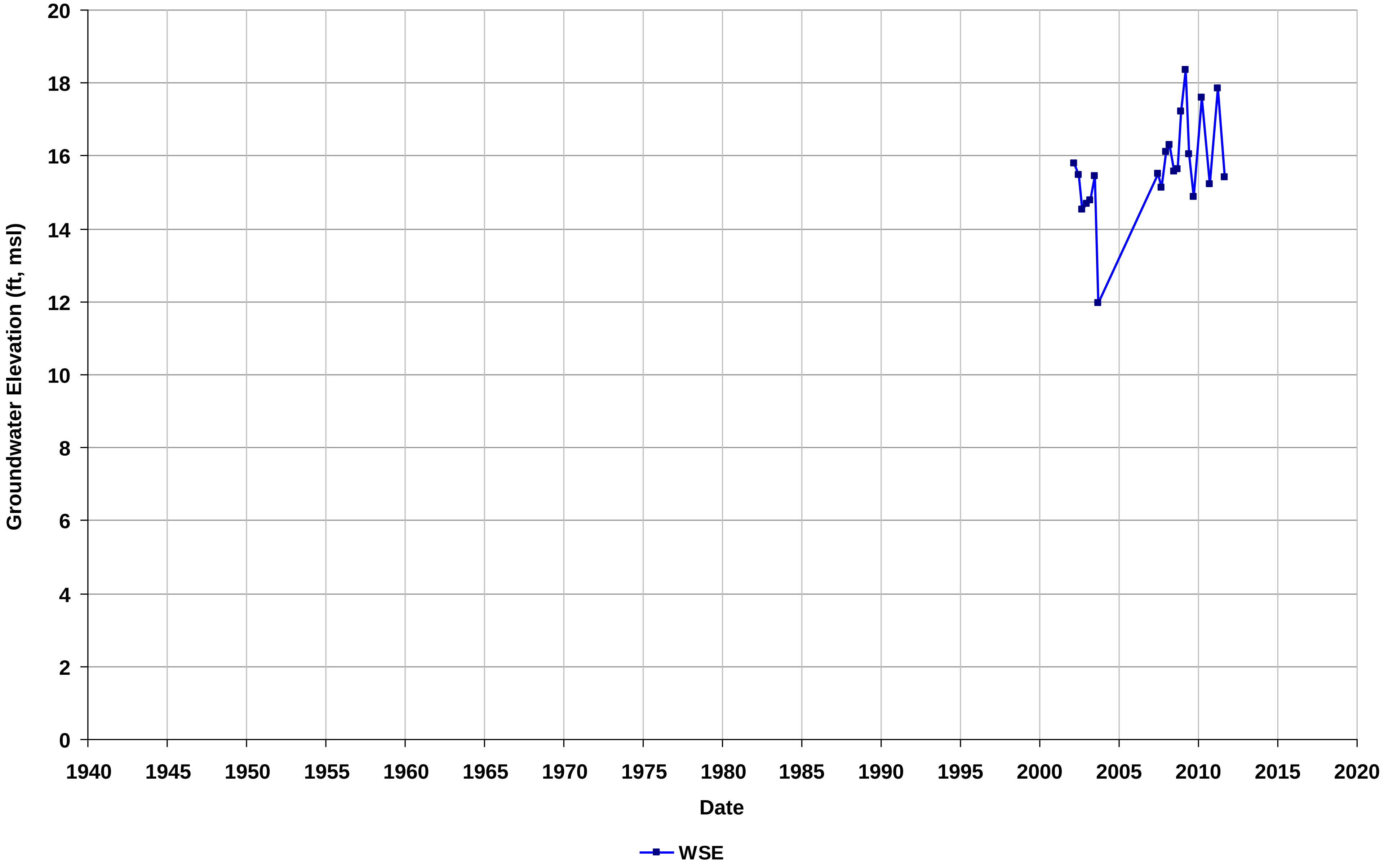
Well Name: T0600101333-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/10
Well Use: Observation



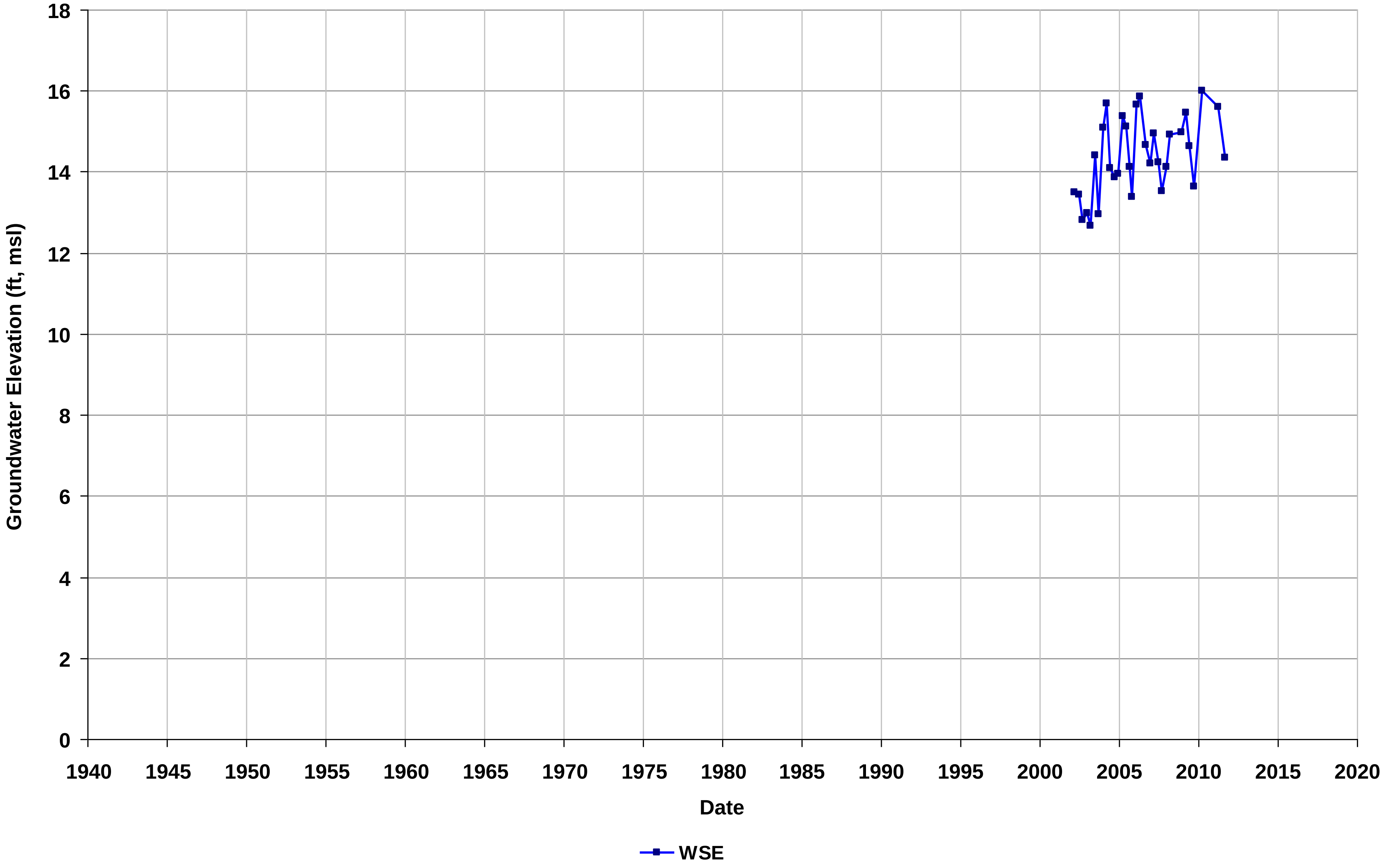
Well Name: T0600101333-MW-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/10
Well Use: Observation



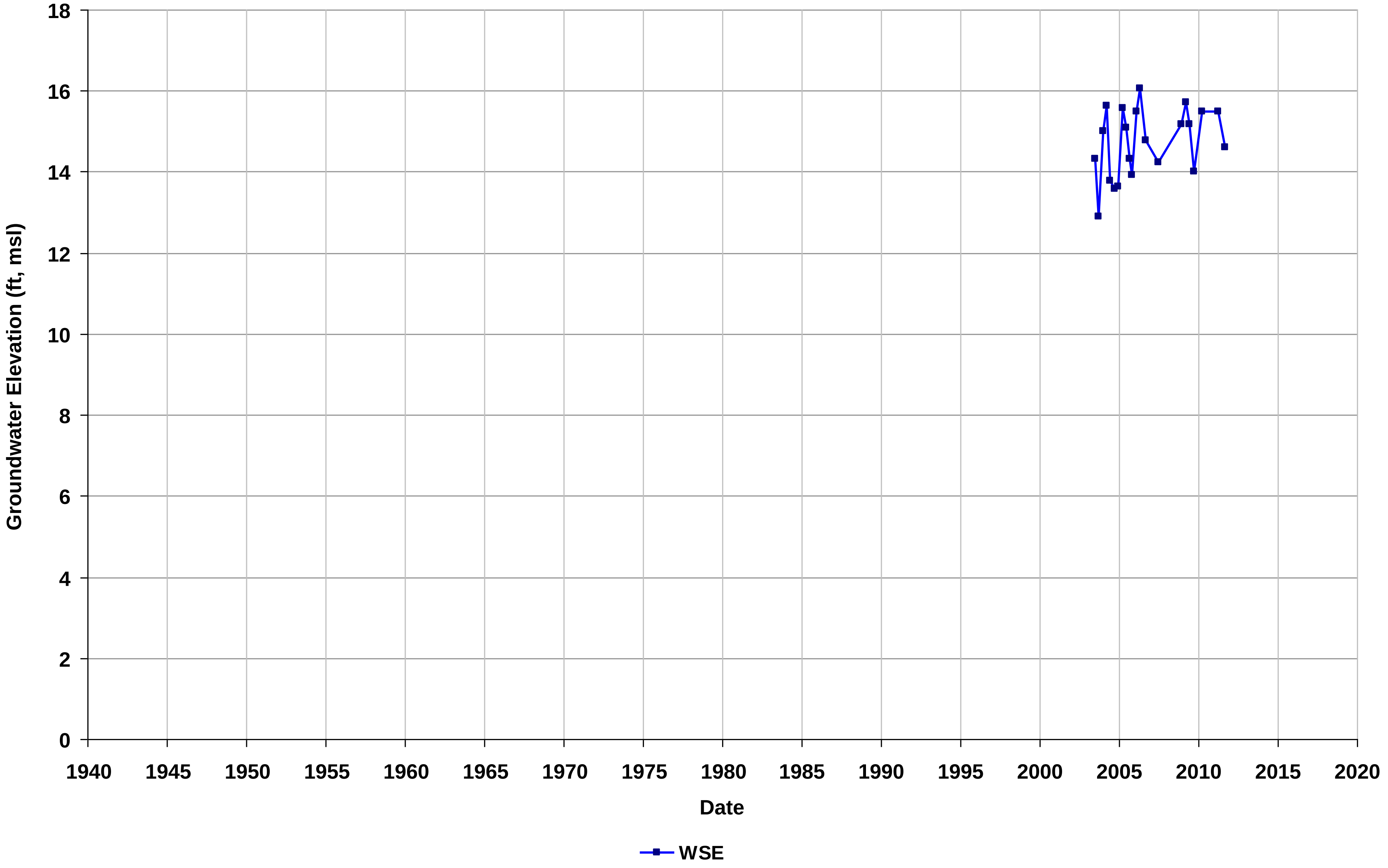
Well Name: T0600101333-W-11
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/10
Well Use: Observation



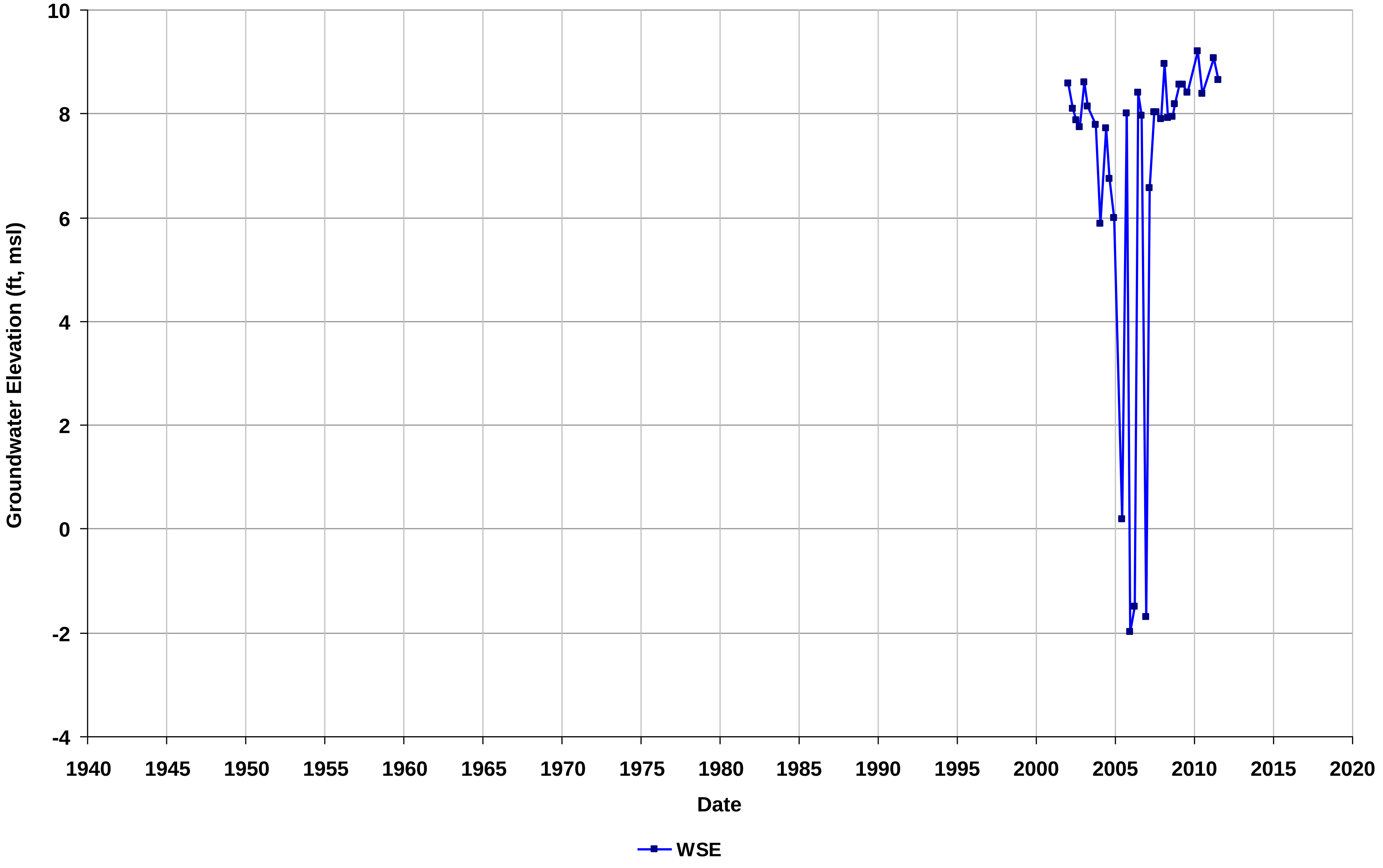
Well Name: T0600101333-W-12
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/10
Well Use: Observation



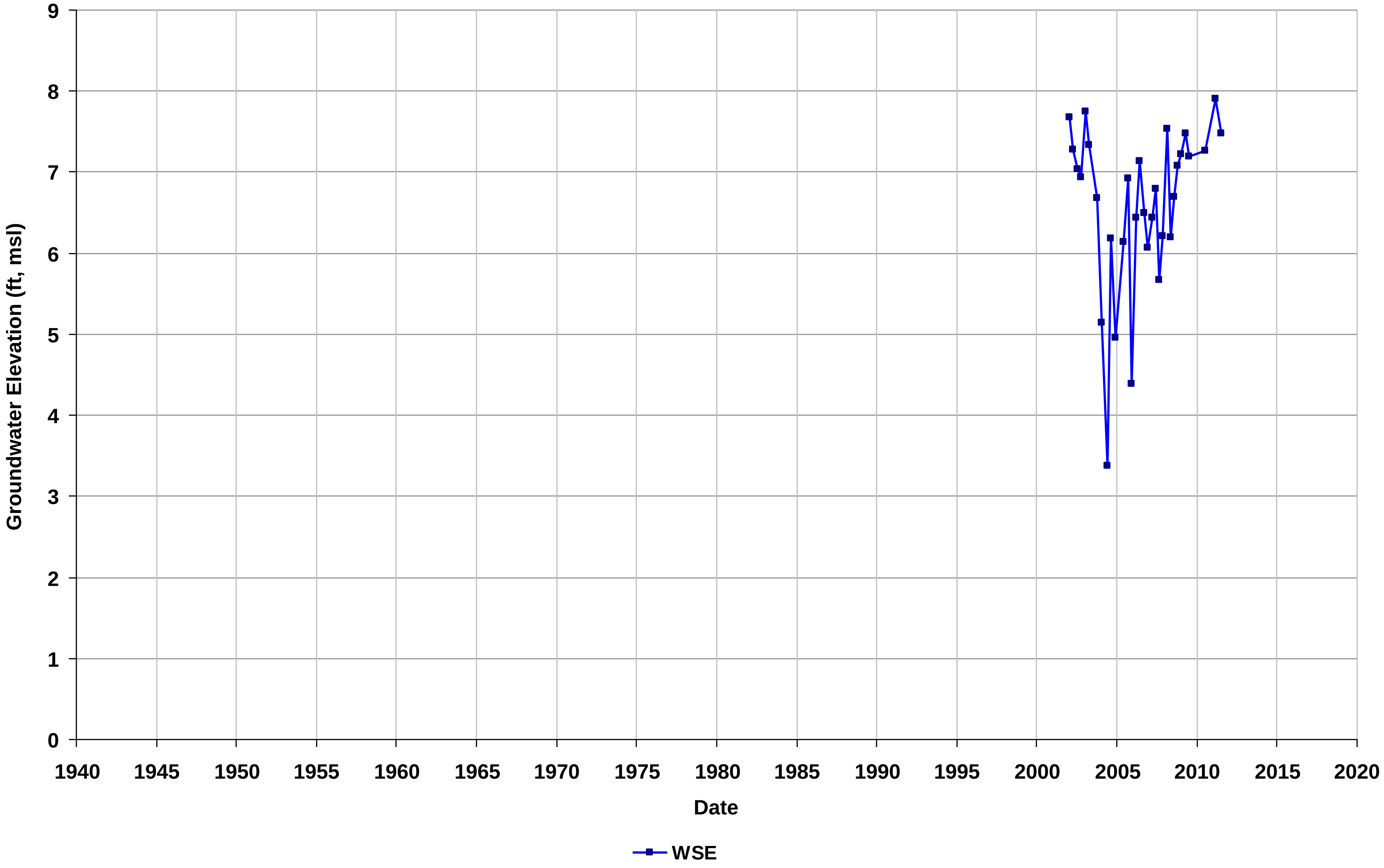
Well Name: T0600101343-MW9A
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/06
Well Use: Observation



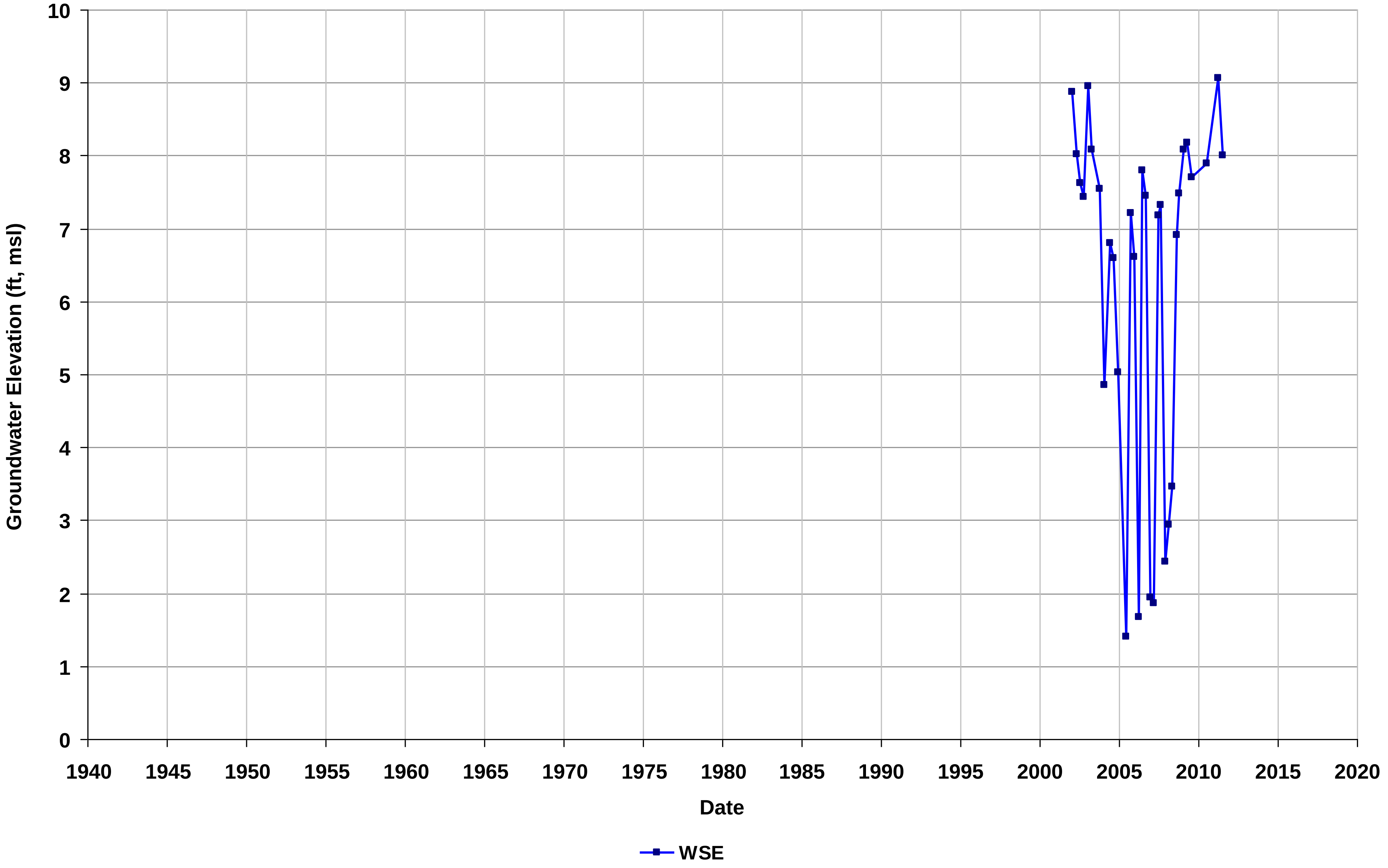
Well Name: T0600101343-MW9B
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/06
Well Use: Observation



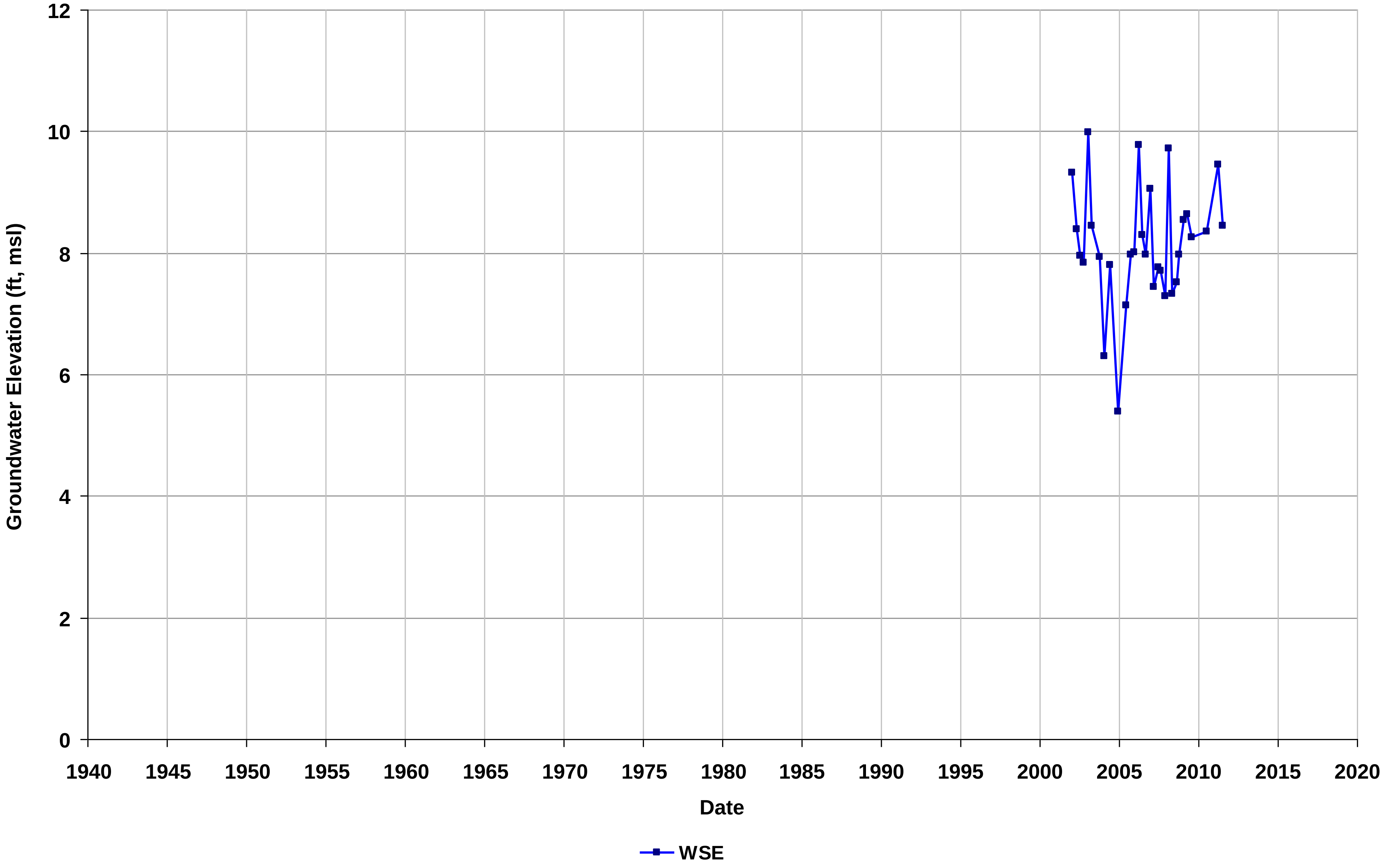
Well Name: T0600101343-MW9C
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/06
Well Use: Observation



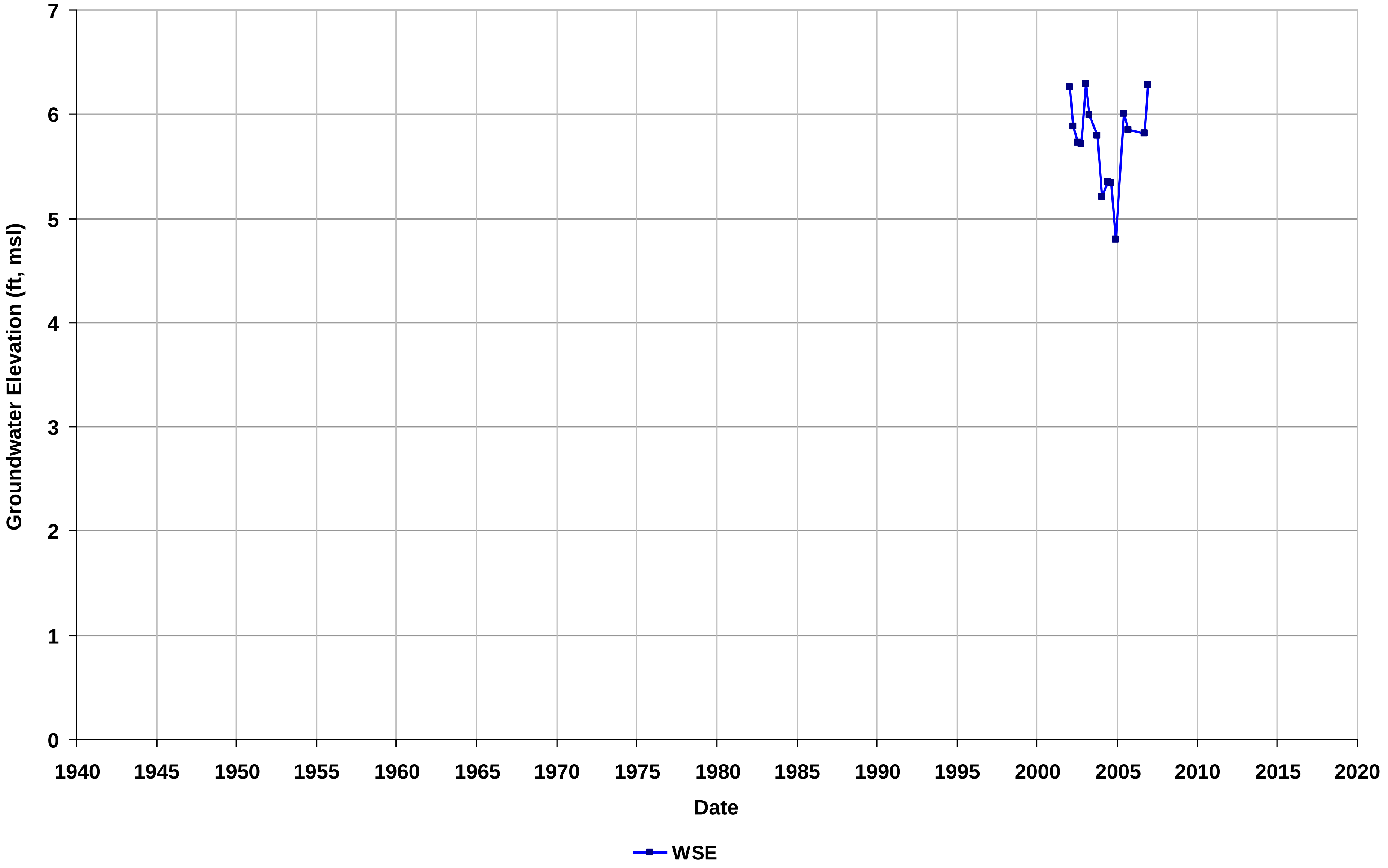
Well Name: T0600101343-MW9D
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/06
Well Use: Observation



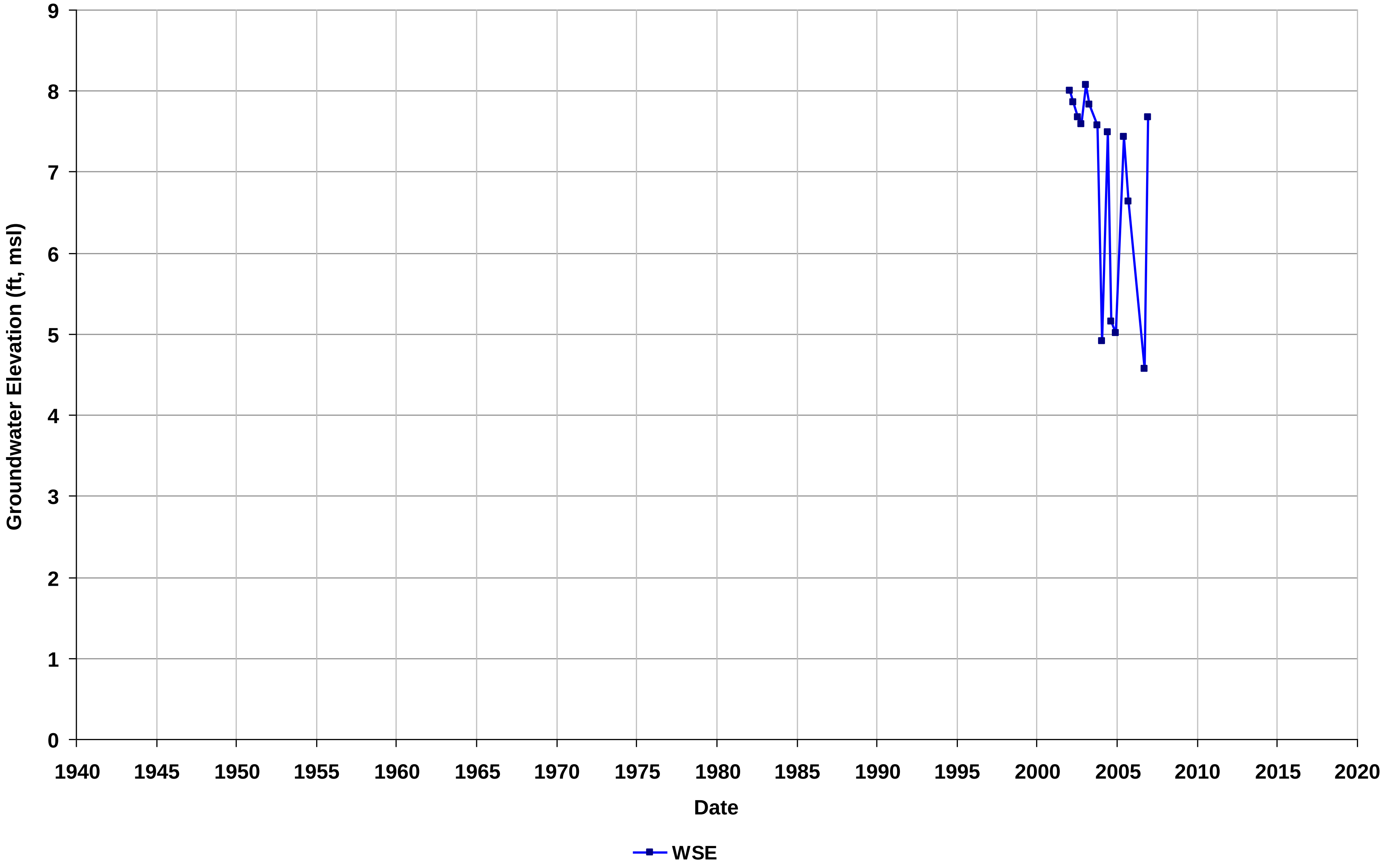
Well Name: T0600101343-MW9F
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/06
Well Use: Observation



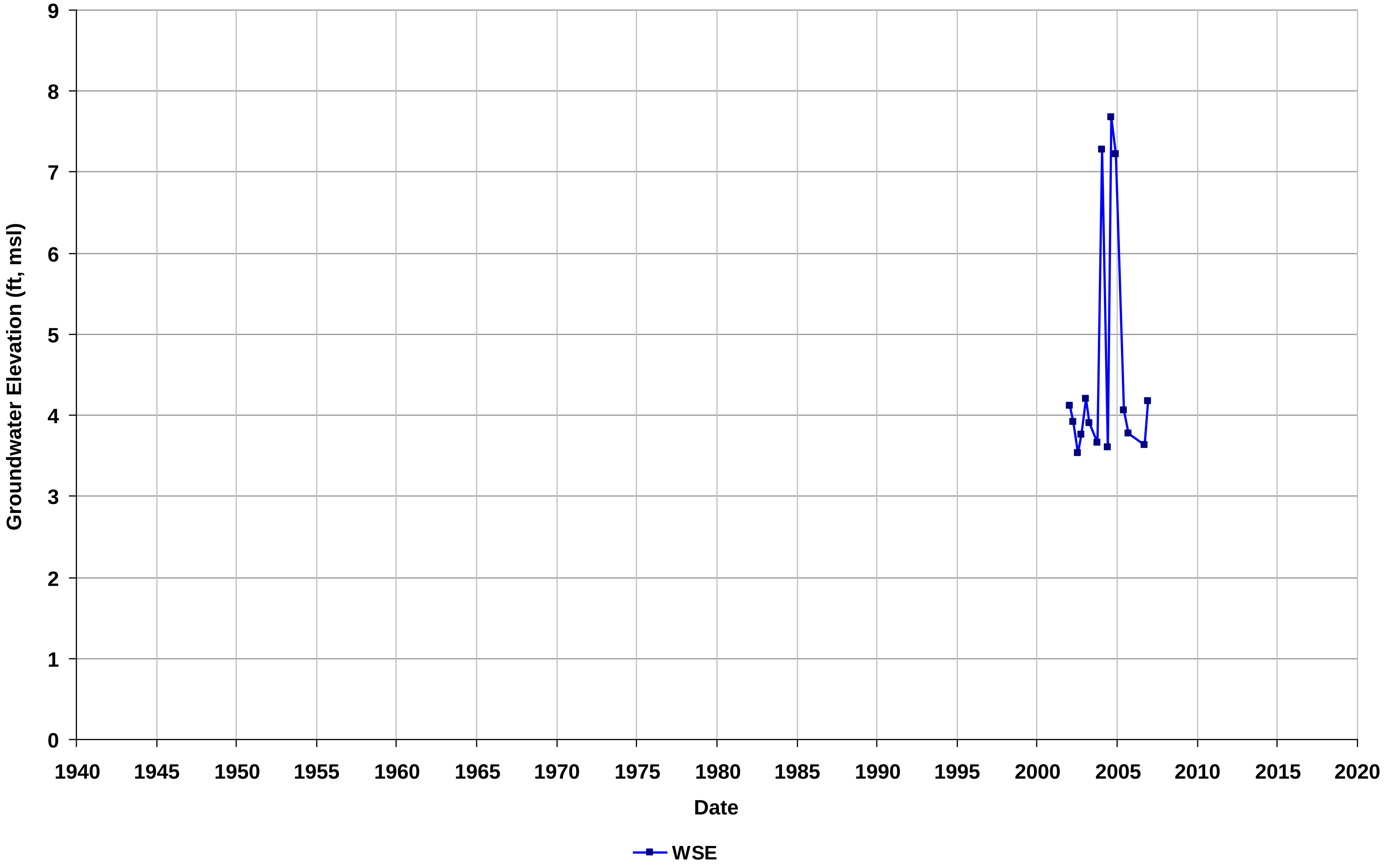
Well Name: T0600101343-MW9G
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/06
Well Use: Observation



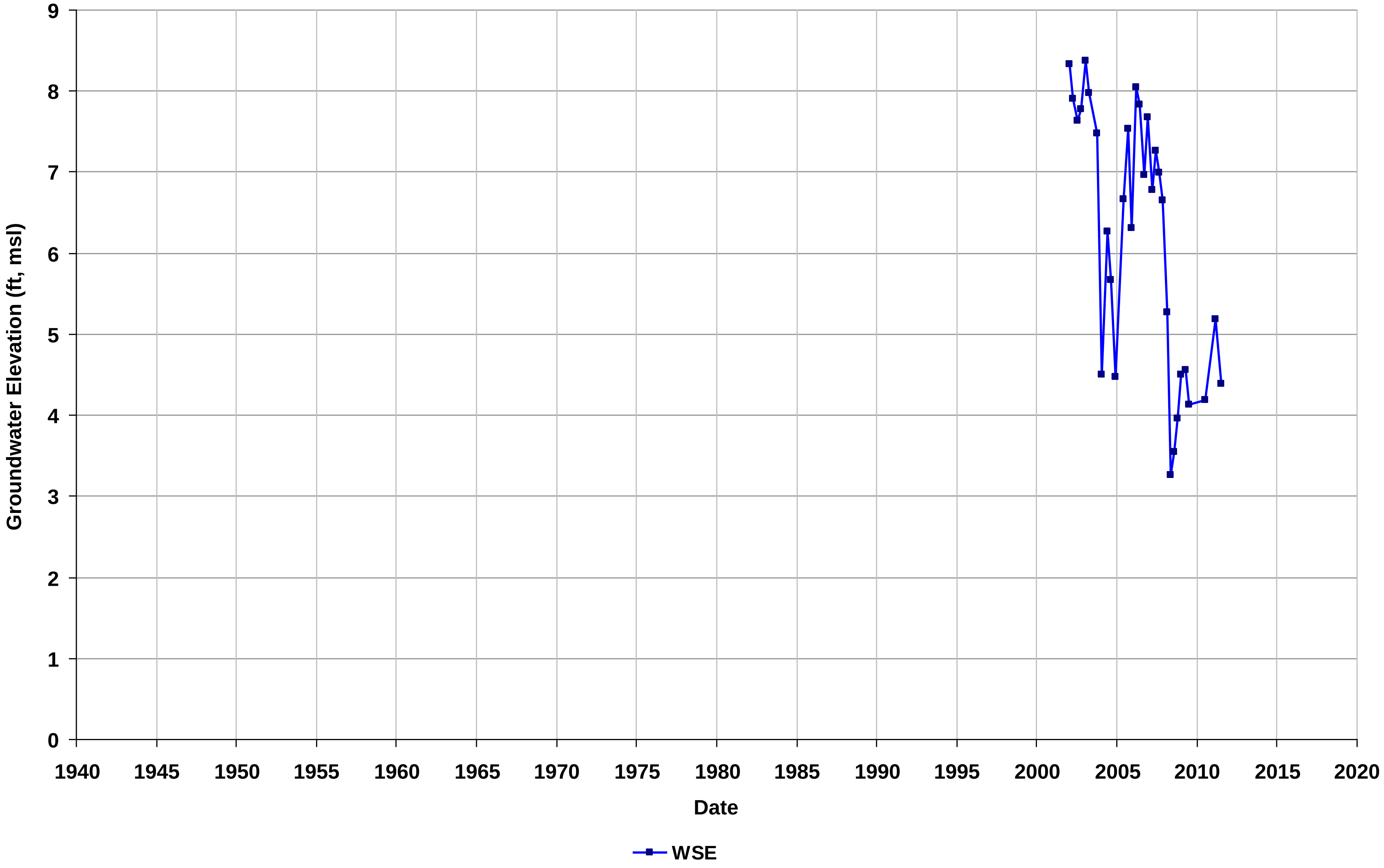
Well Name: T0600101343-MW9H
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/06
Well Use: Observation



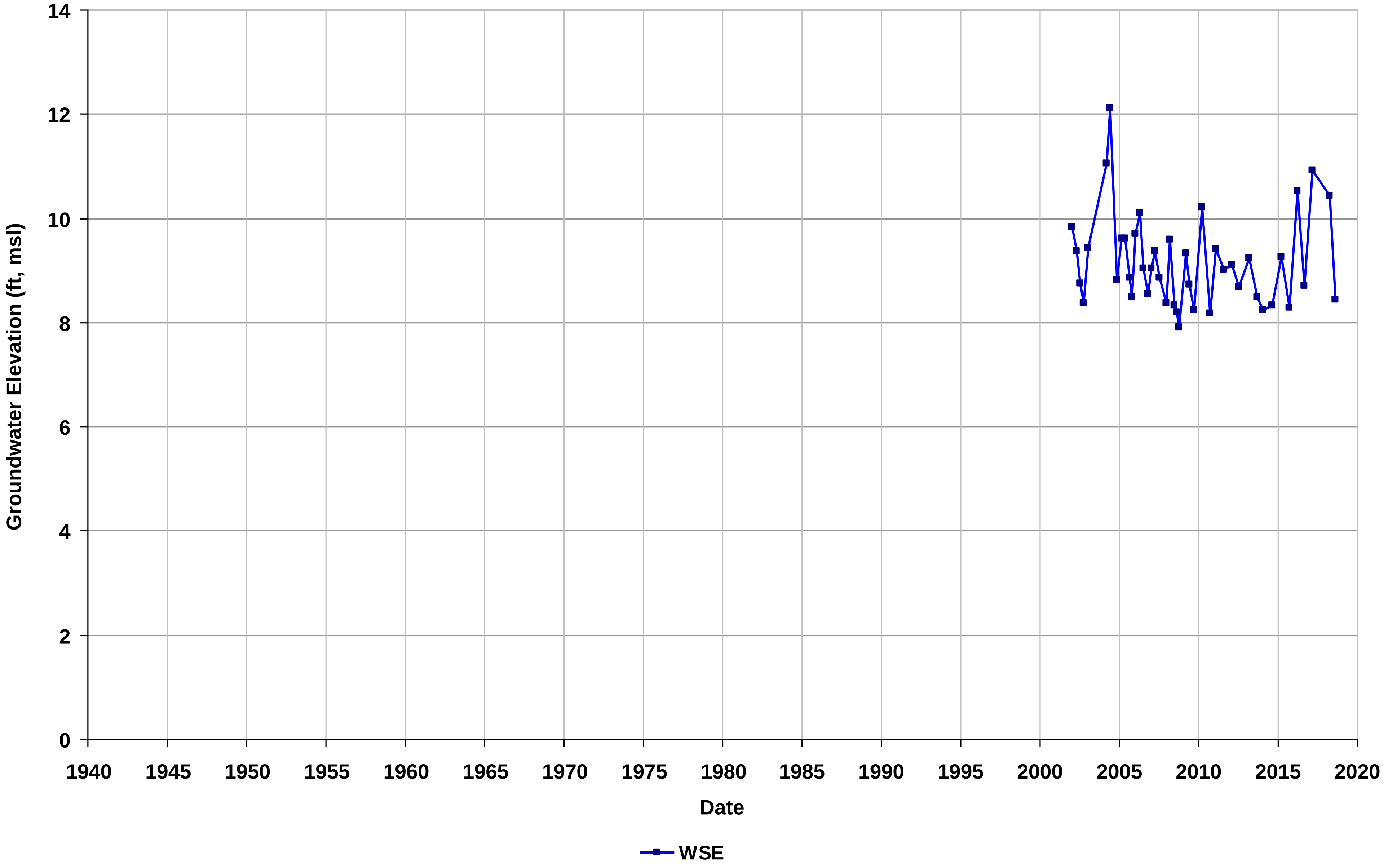
Well Name: T0600101343-MW9I
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/06
Well Use: Observation



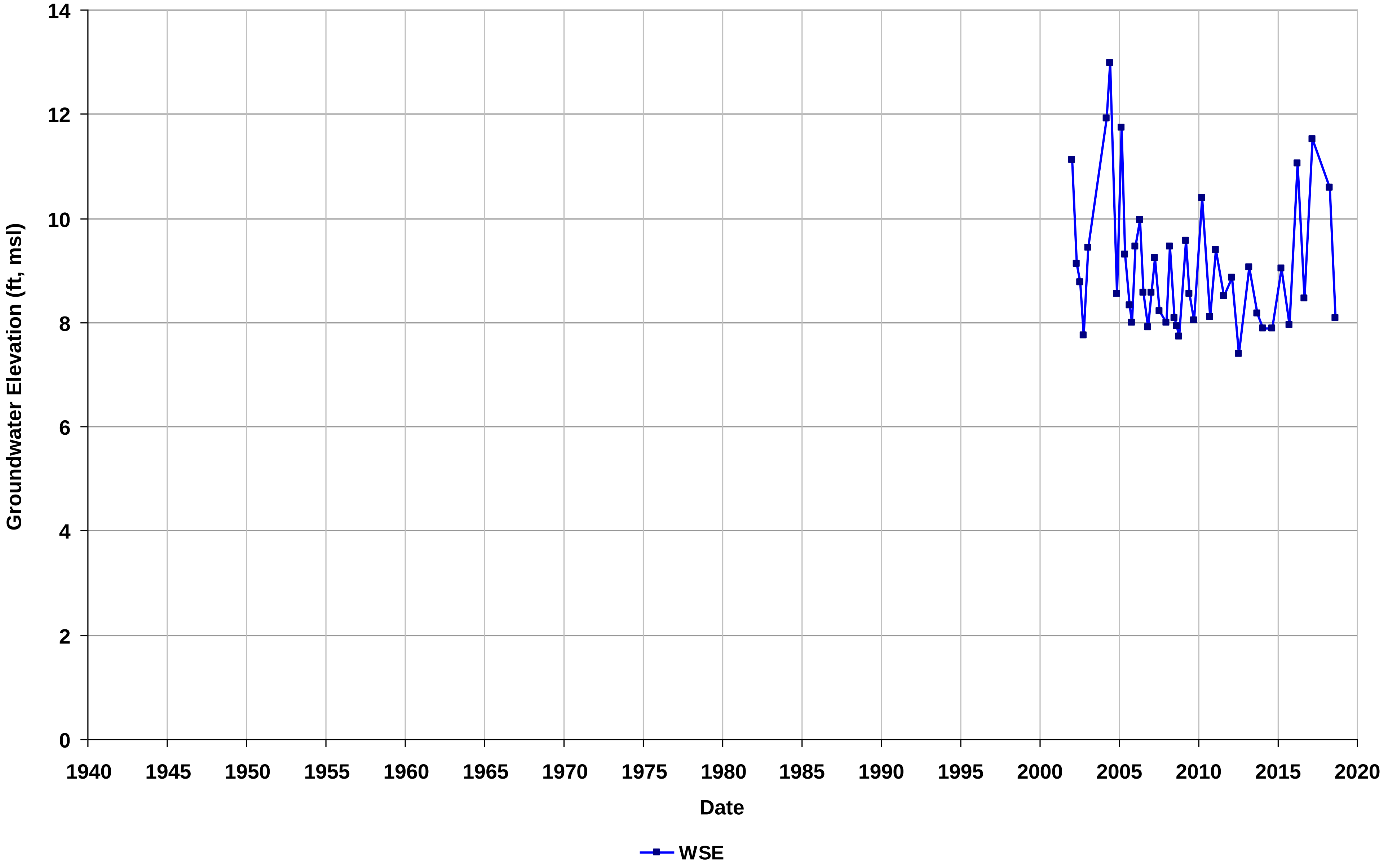
Well Name: T0600101354-MW6B
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/26
Well Use: Observation



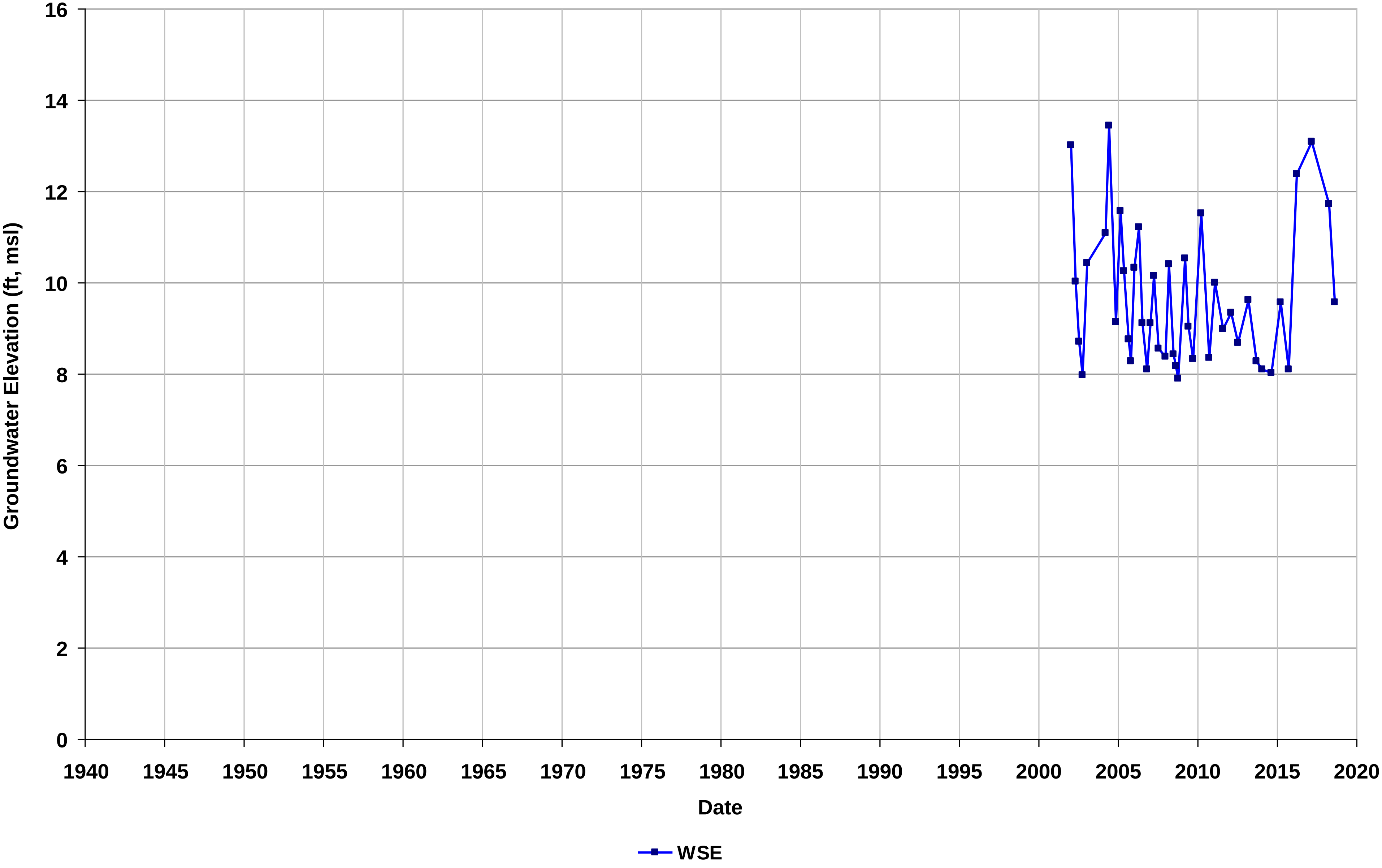
Well Name: T0600101354-MW6E
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/26
Well Use: Observation



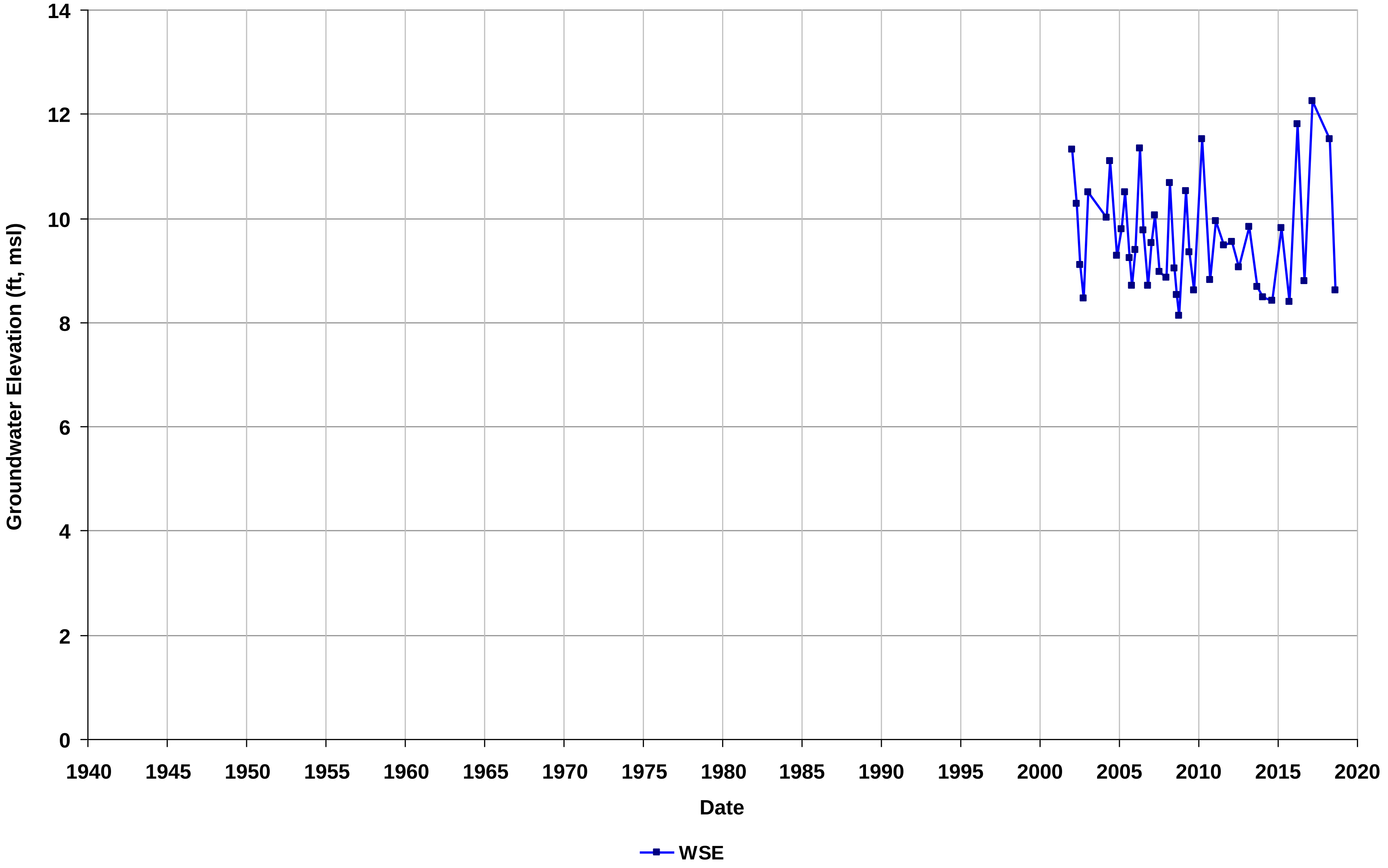
Well Name: T0600101354-MW6F
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/26
Well Use: Observation



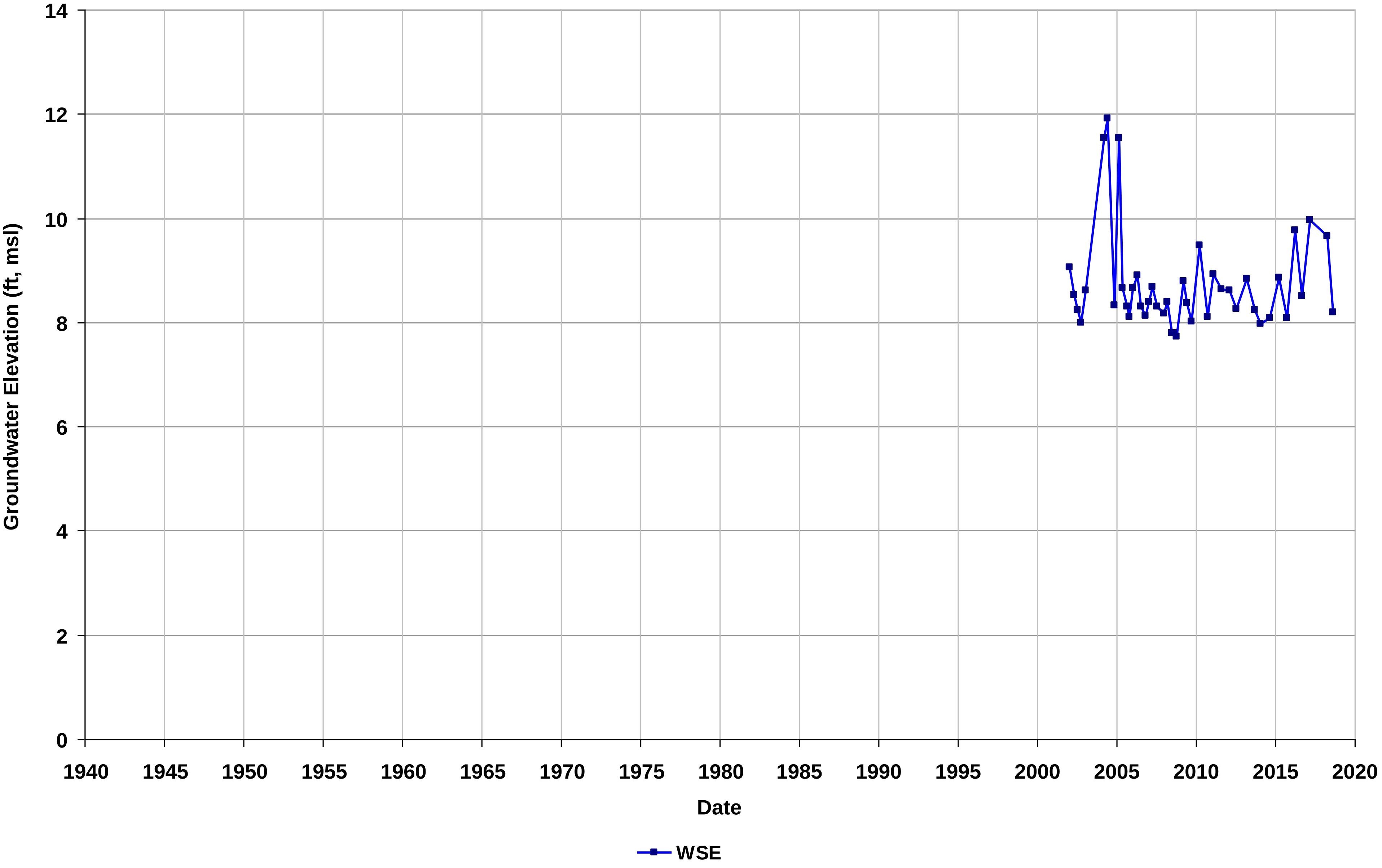
Well Name: T0600101354-MW6G
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/26
Well Use: Observation



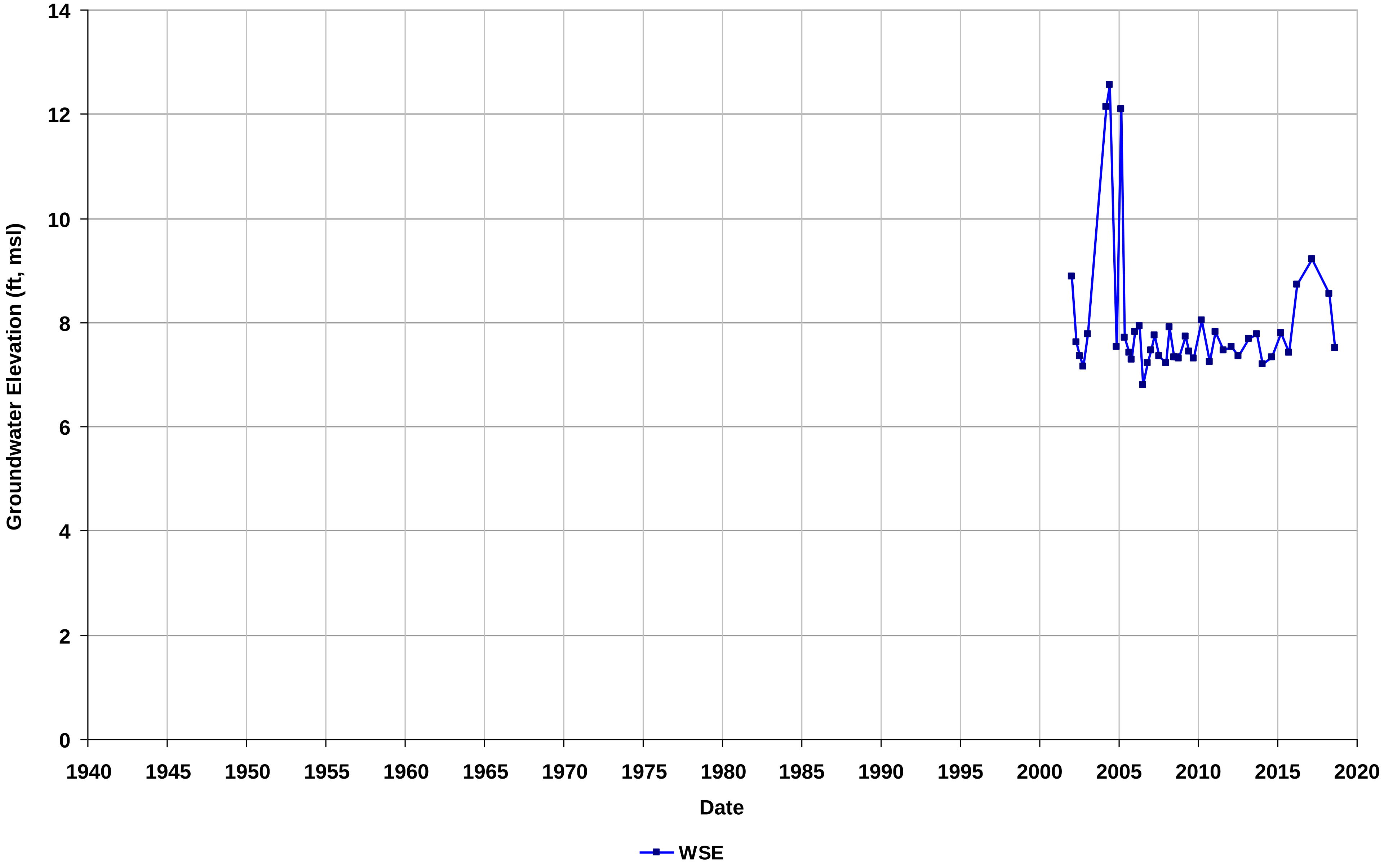
Well Name: T0600101354-MW6H
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/26
Well Use: Observation



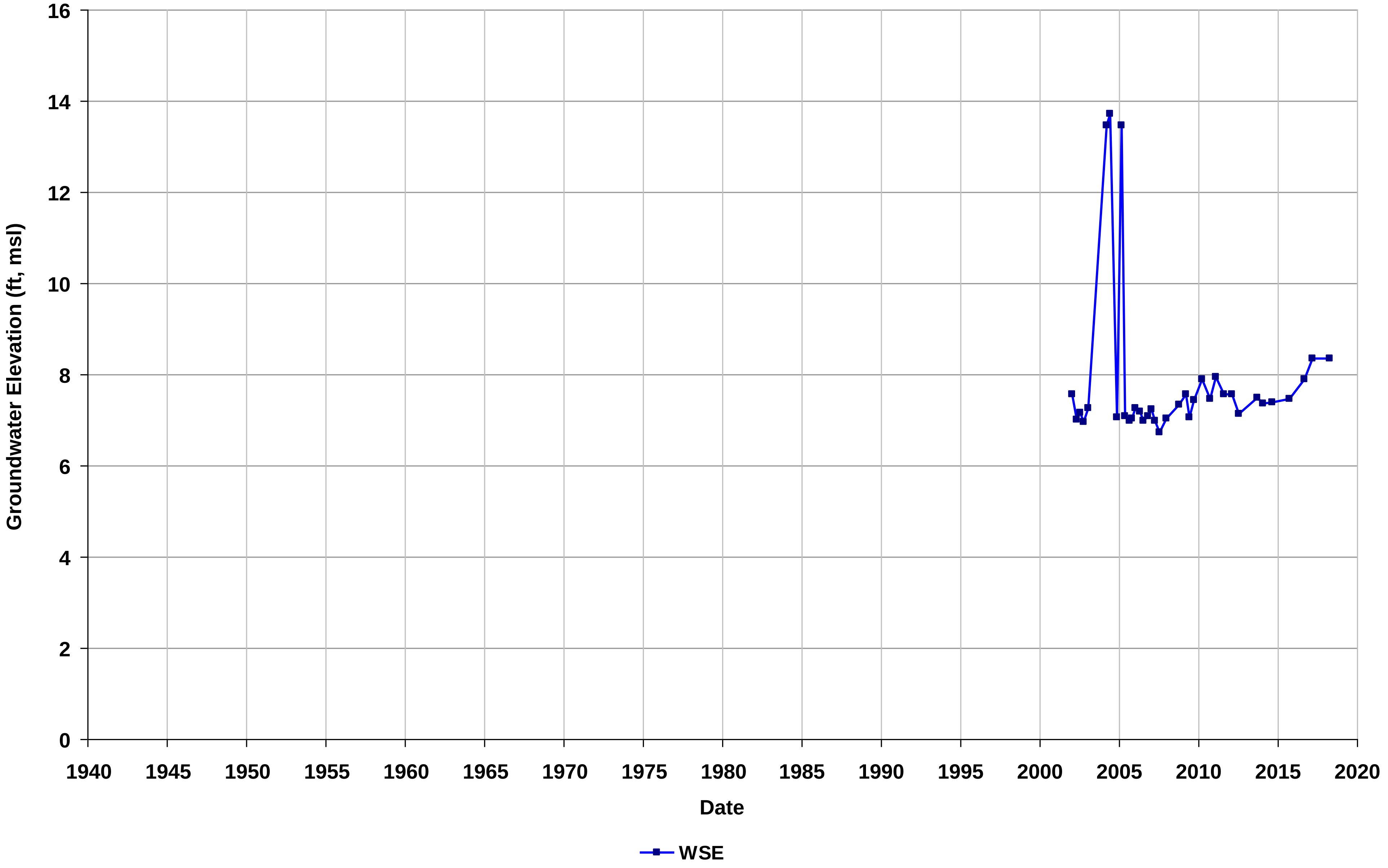
Well Name: T0600101354-MW6I
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/26
Well Use: Observation



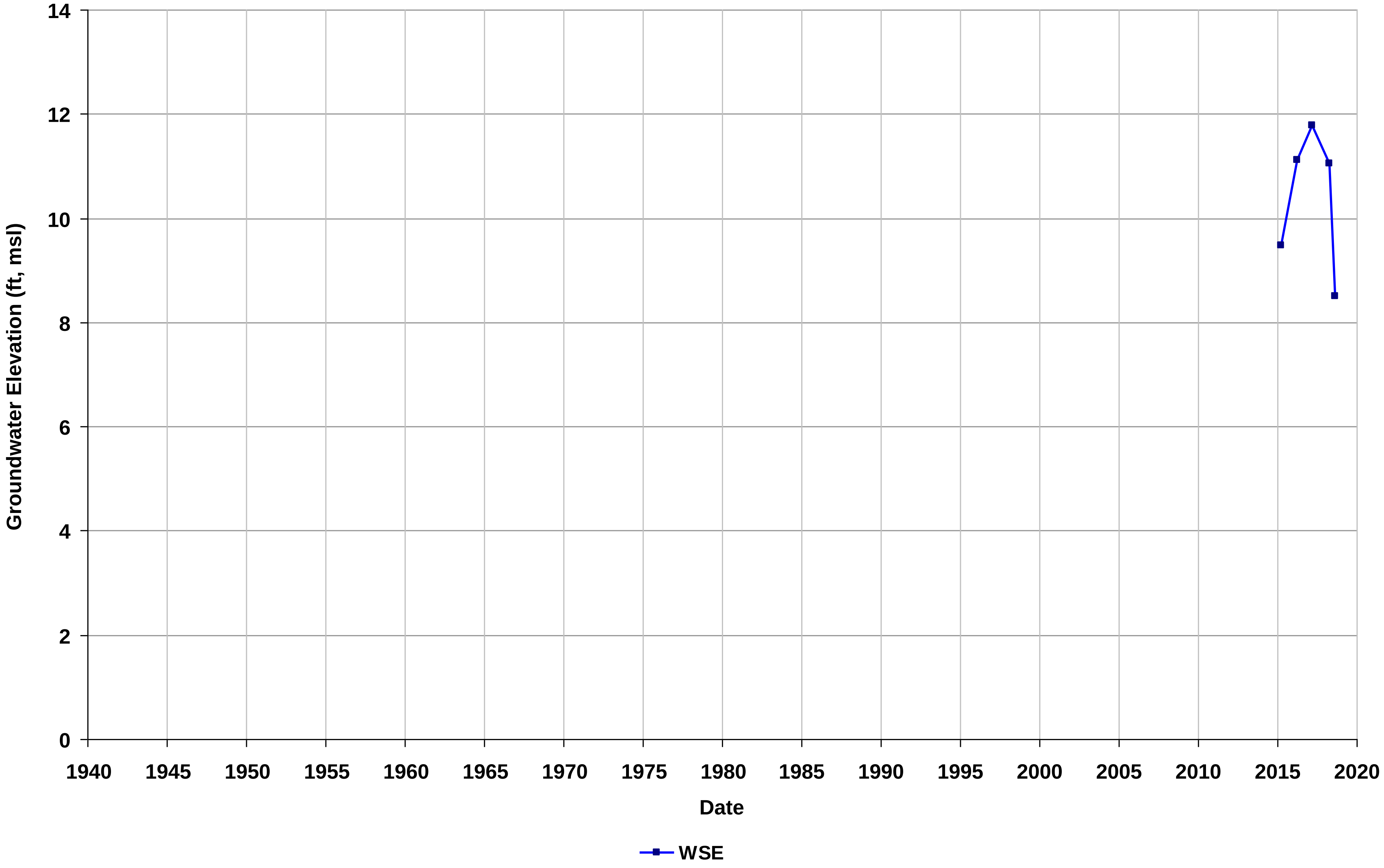
Well Name: T0600101354-MW6J
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/26
Well Use: Observation



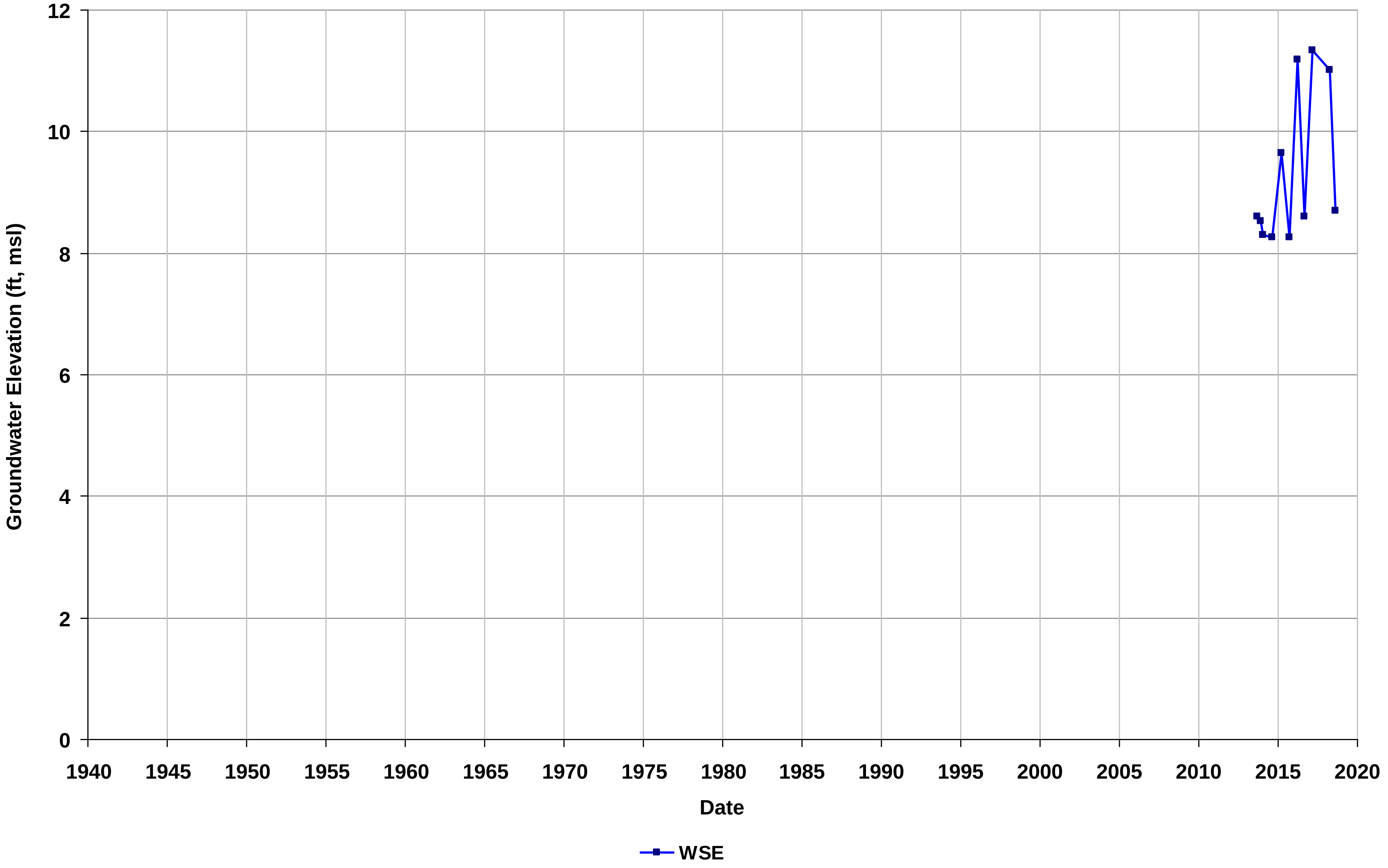
Well Name: T0600101354-MW6KA
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/26
Well Use: Observation



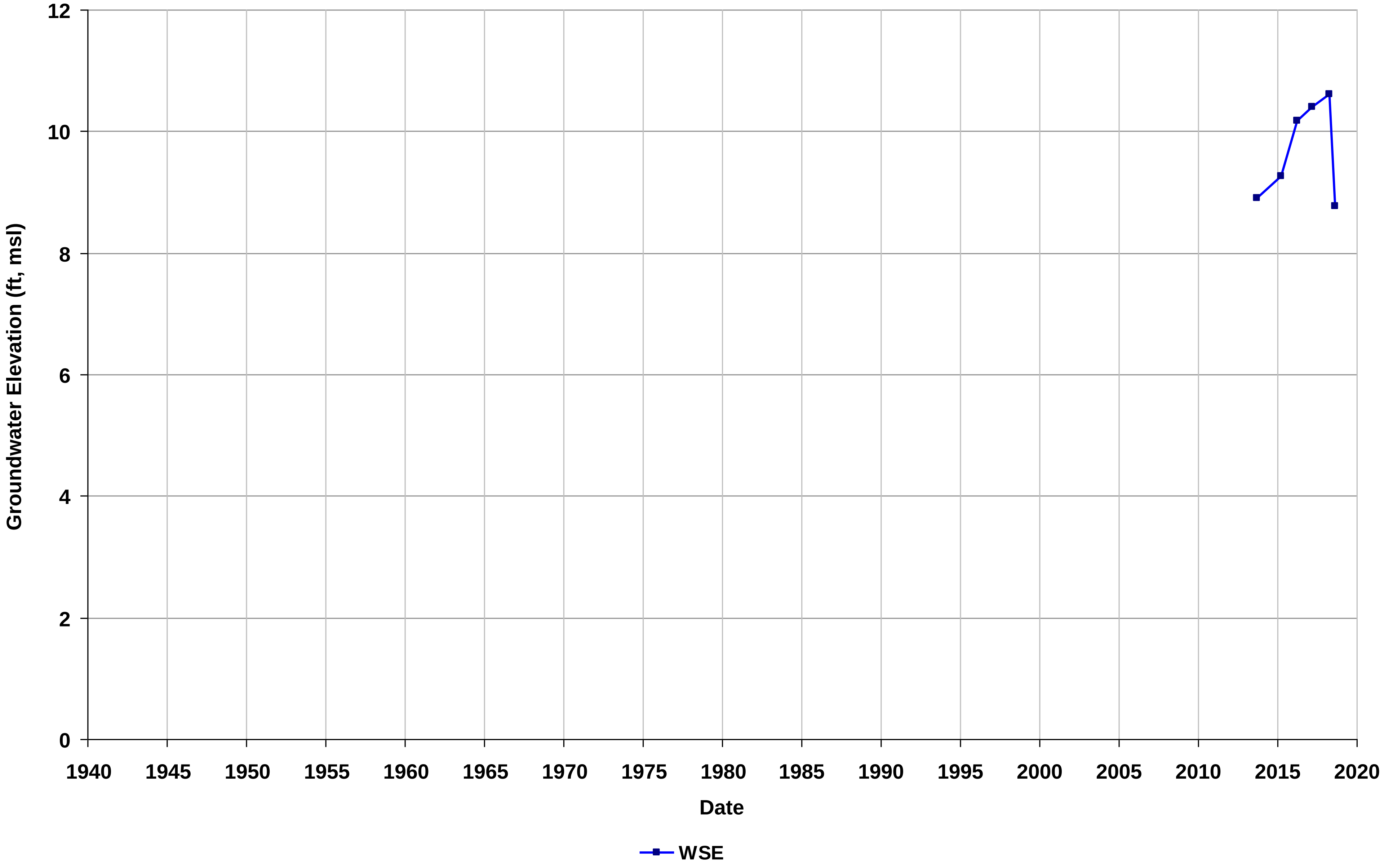
Well Name: T0600101354-MW6KB
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/26
Well Use: Observation



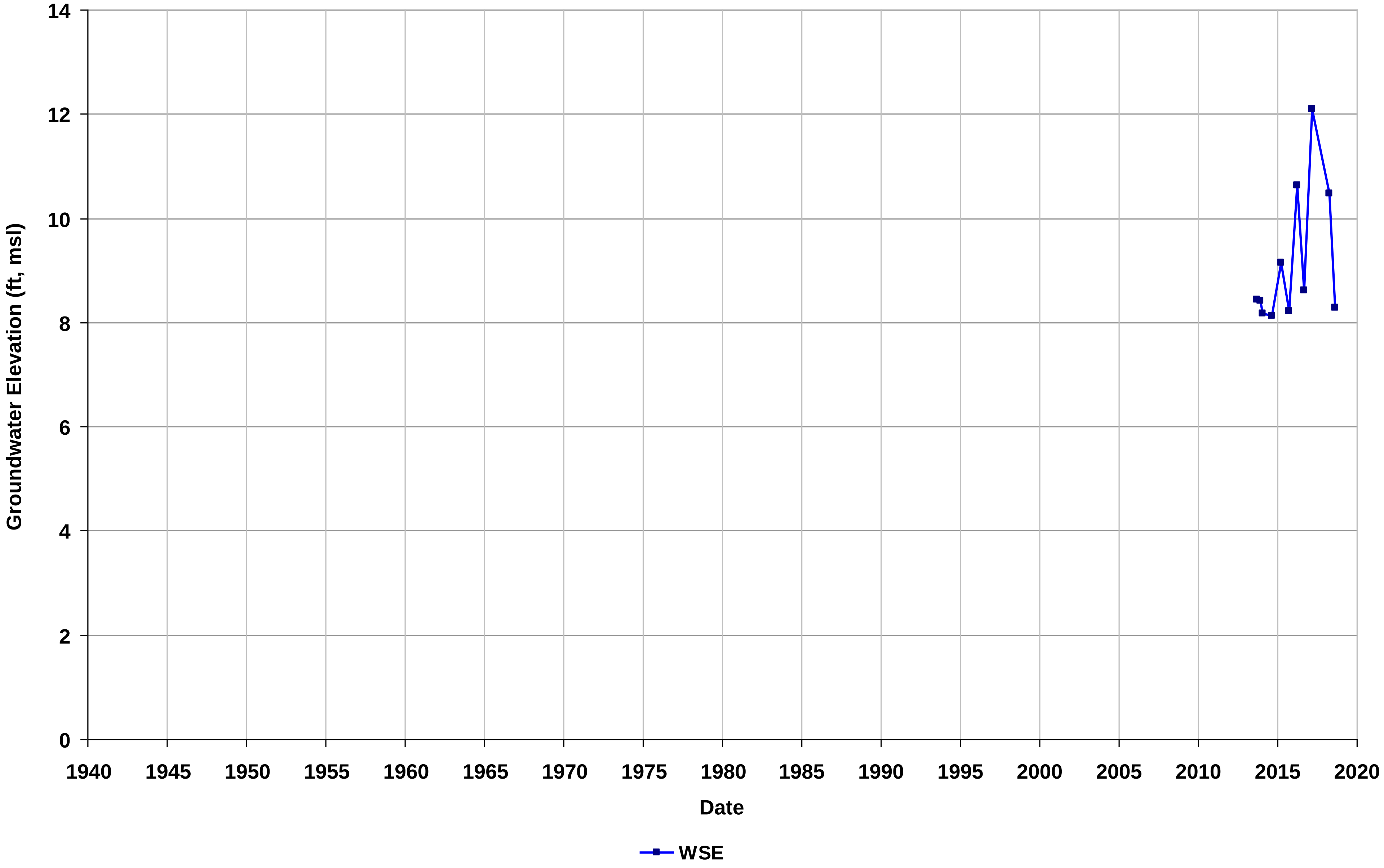
Well Name: T0600101354-MW6LA
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/26
Well Use: Observation



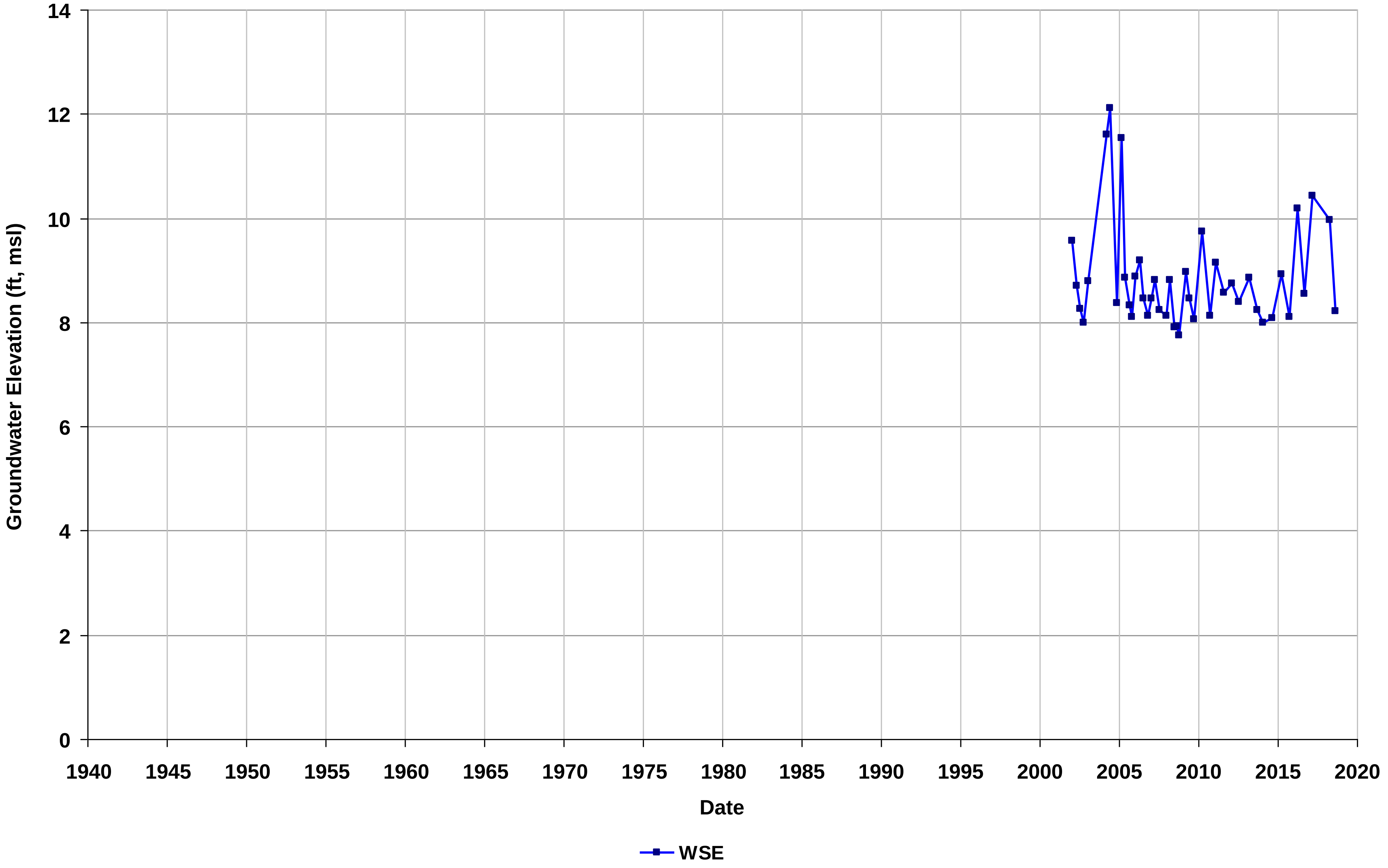
Well Name: T0600101354-MW6LB
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/26
Well Use: Observation



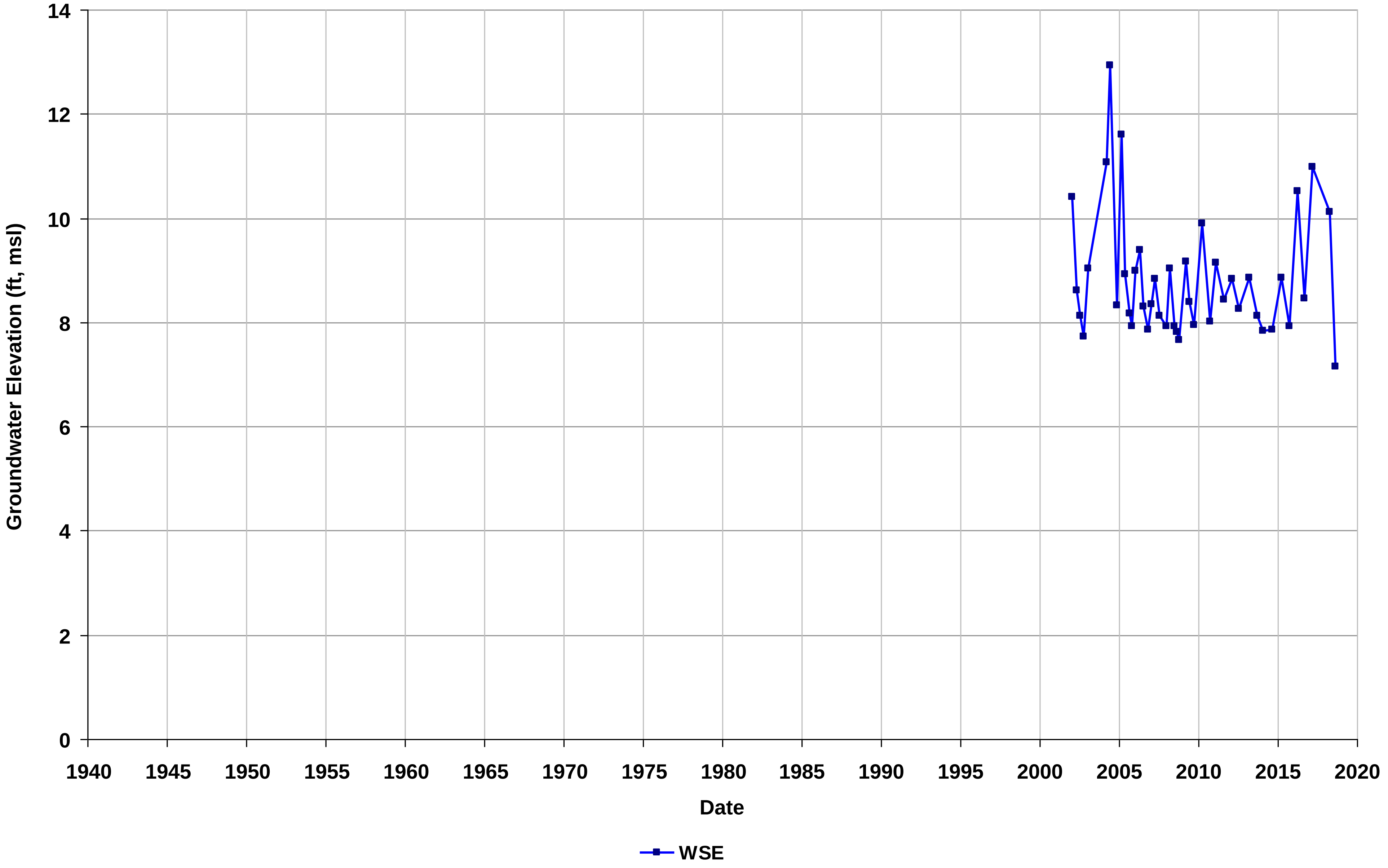
Well Name: T0600101354-RW1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/26
Well Use: Observation



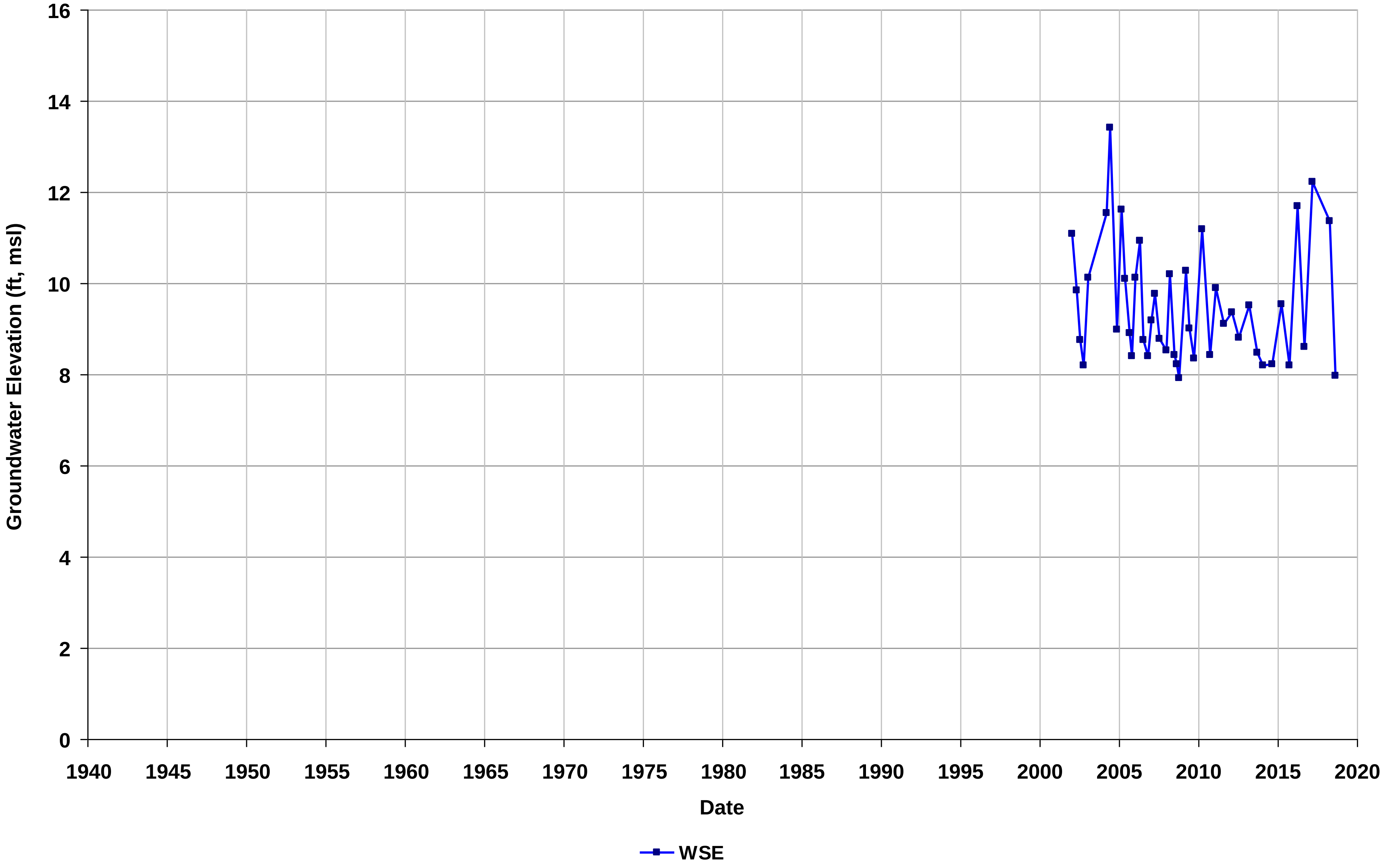
Well Name: T0600101354-RW2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/26
Well Use: Observation



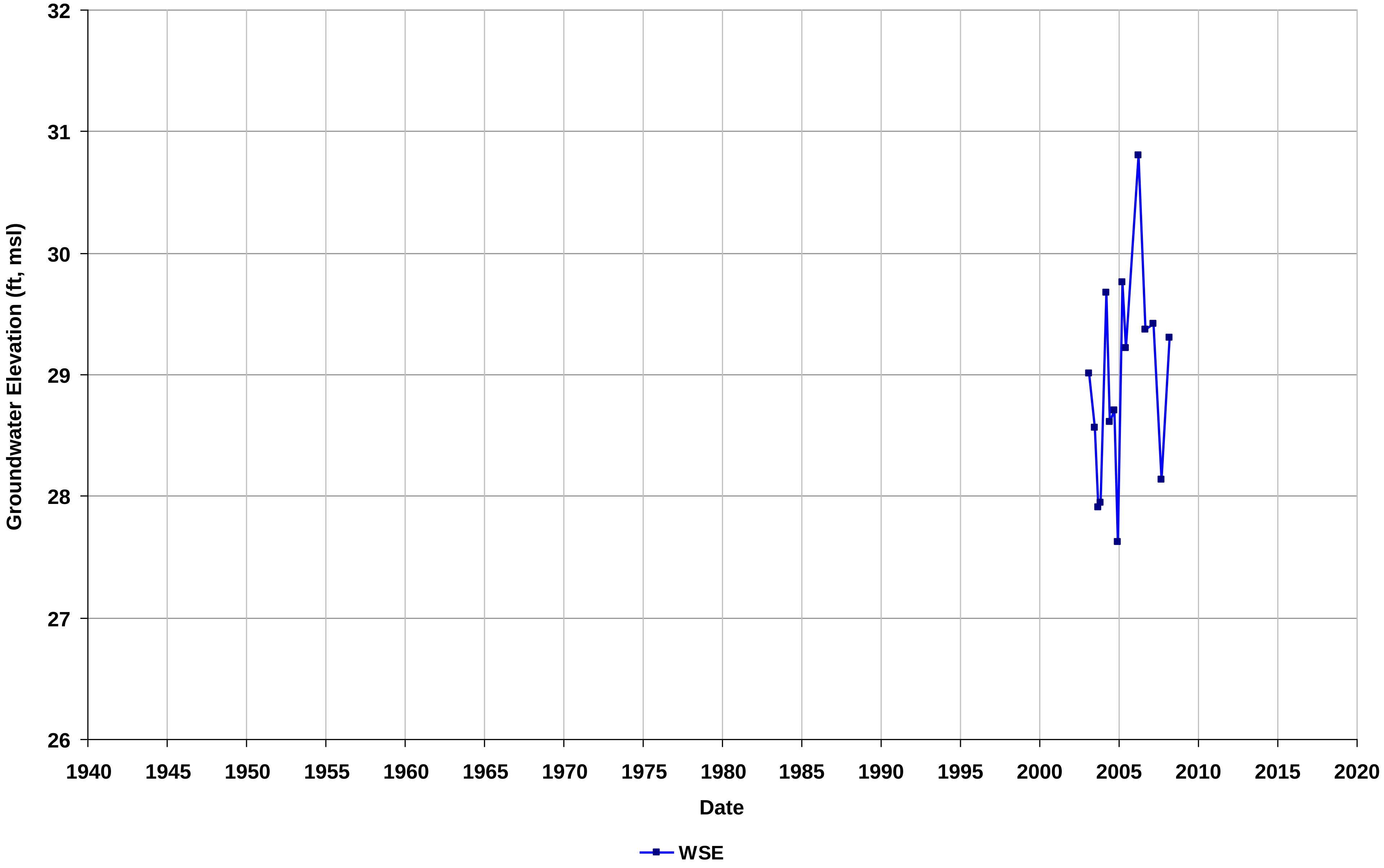
Well Name: T0600101354-RW3A
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/26
Well Use: Observation



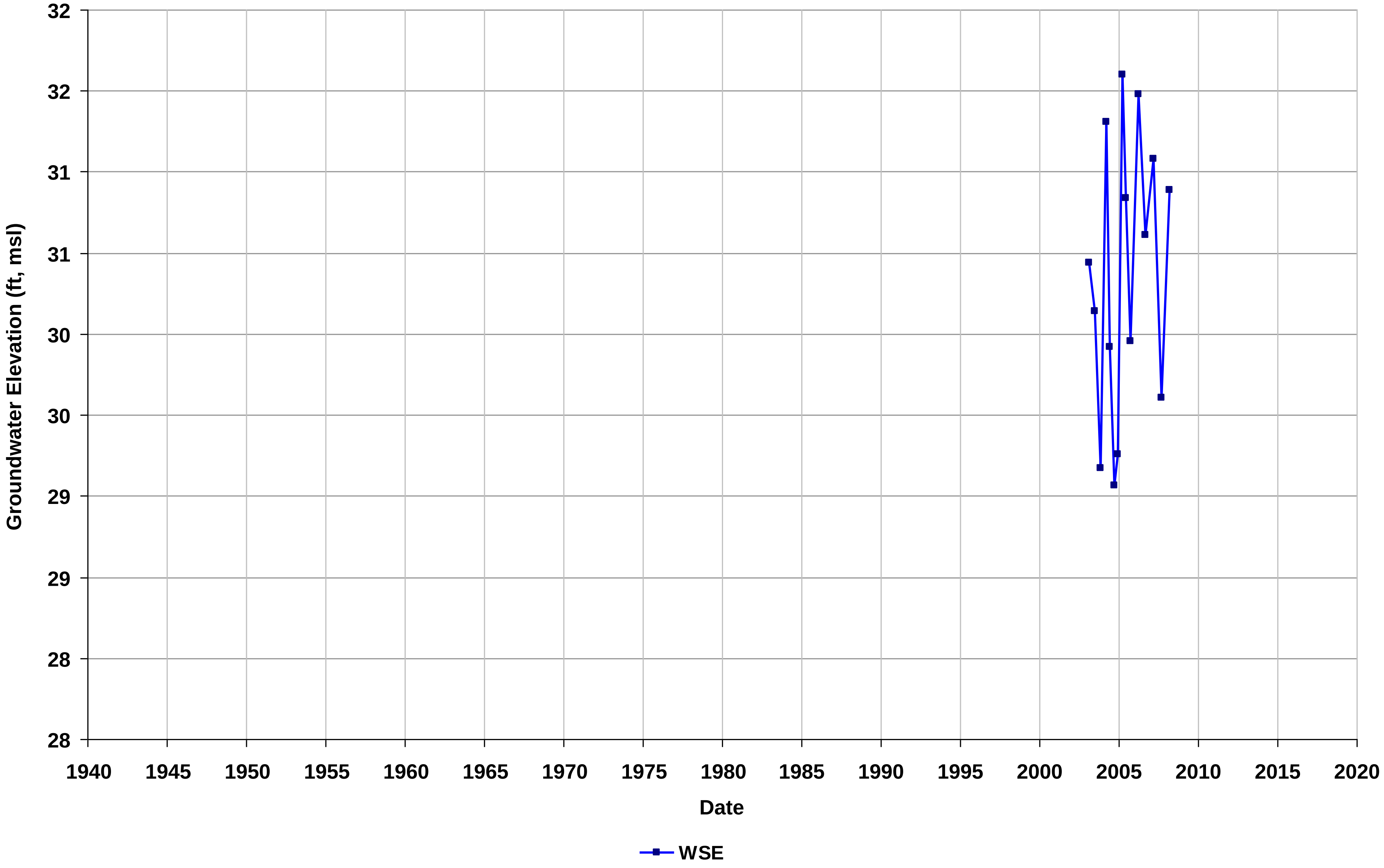
Well Name: T0600101368-A-10
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/18
Well Use: Observation



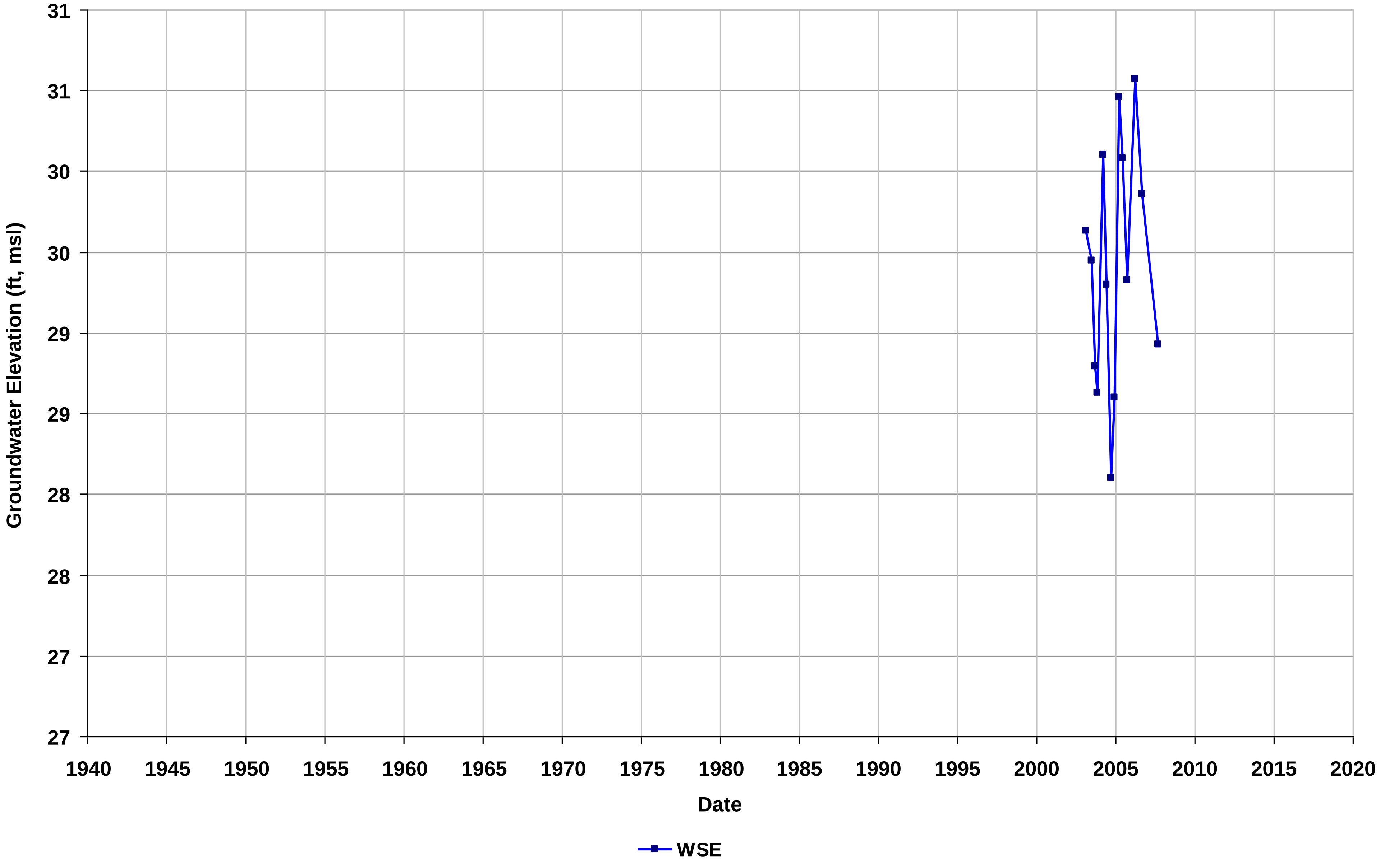
Well Name: T0600101368-A-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/18
Well Use: Observation



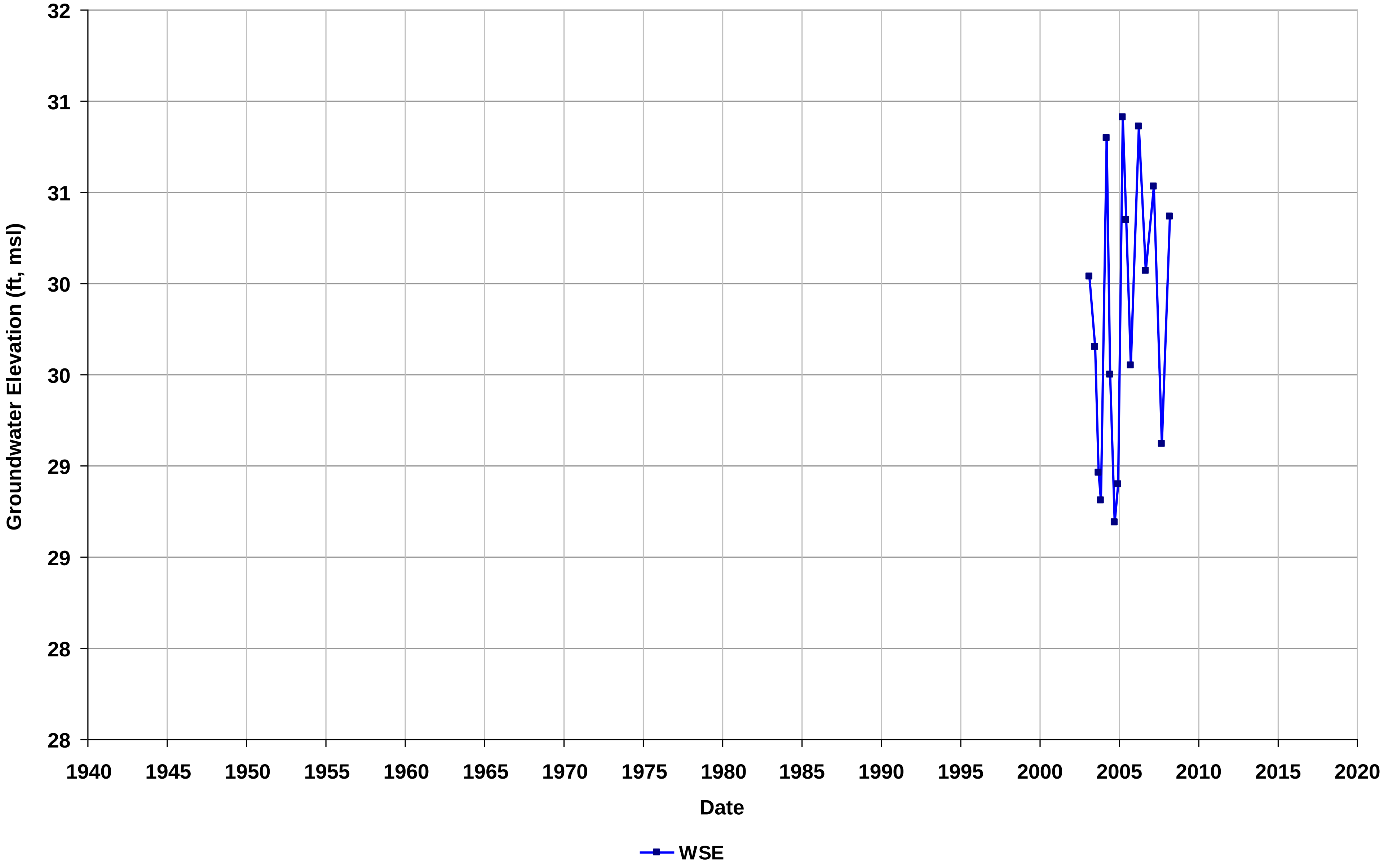
Well Name: T0600101368-A-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/18
Well Use: Observation



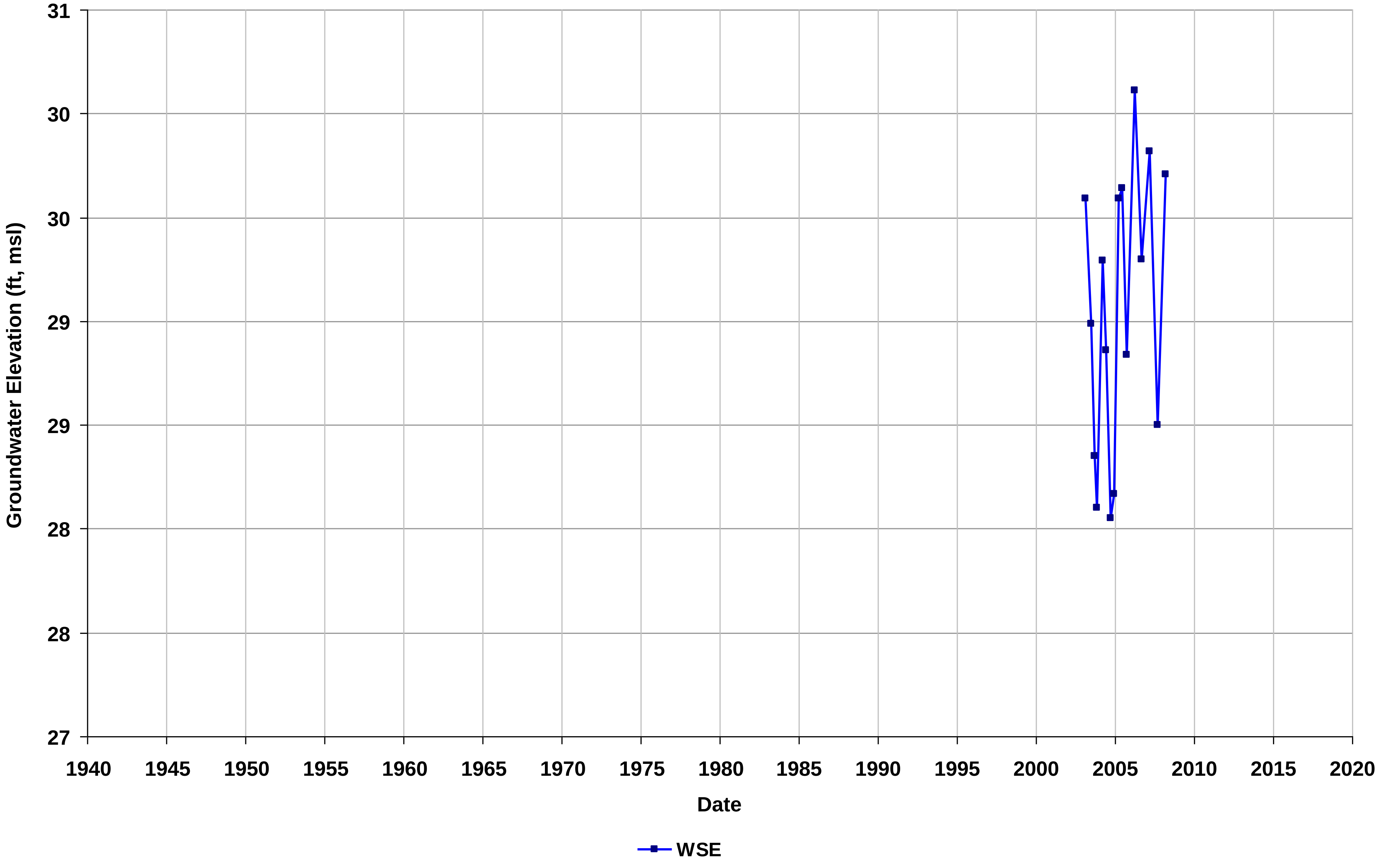
Well Name: T0600101368-A-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/18
Well Use: Observation



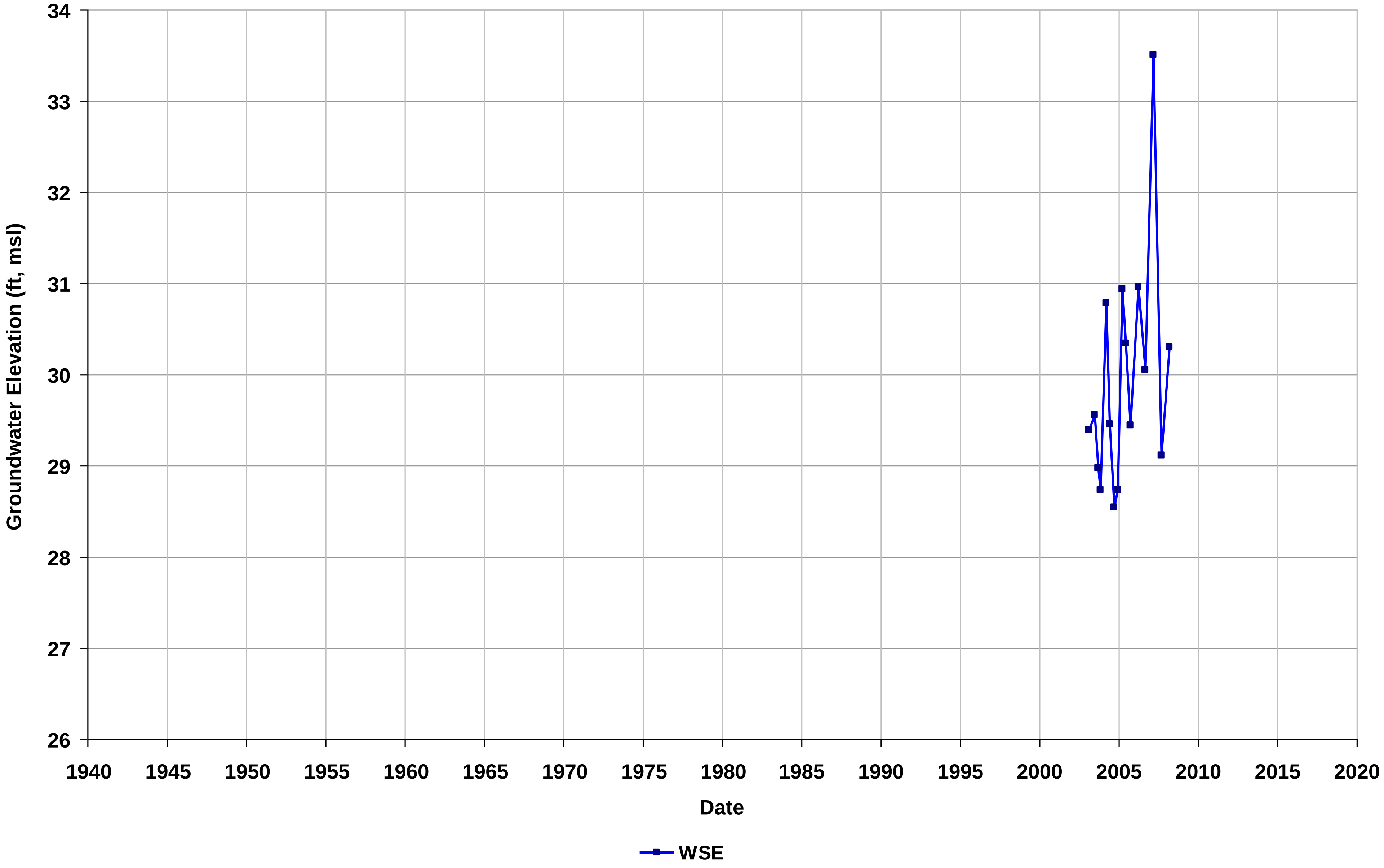
Well Name: T0600101368-A-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/18
Well Use: Observation



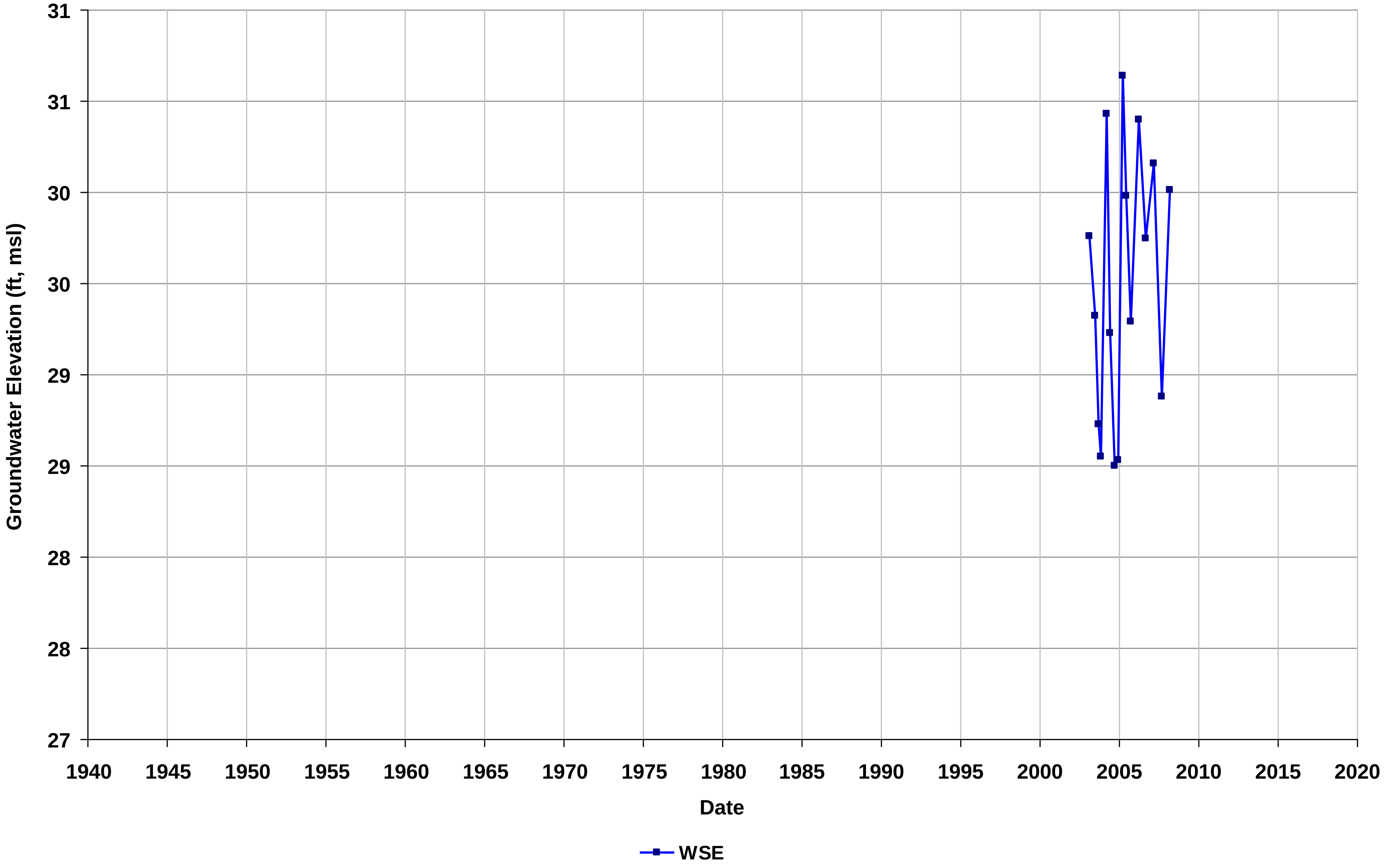
Well Name: T0600101368-A-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/18
Well Use: Observation



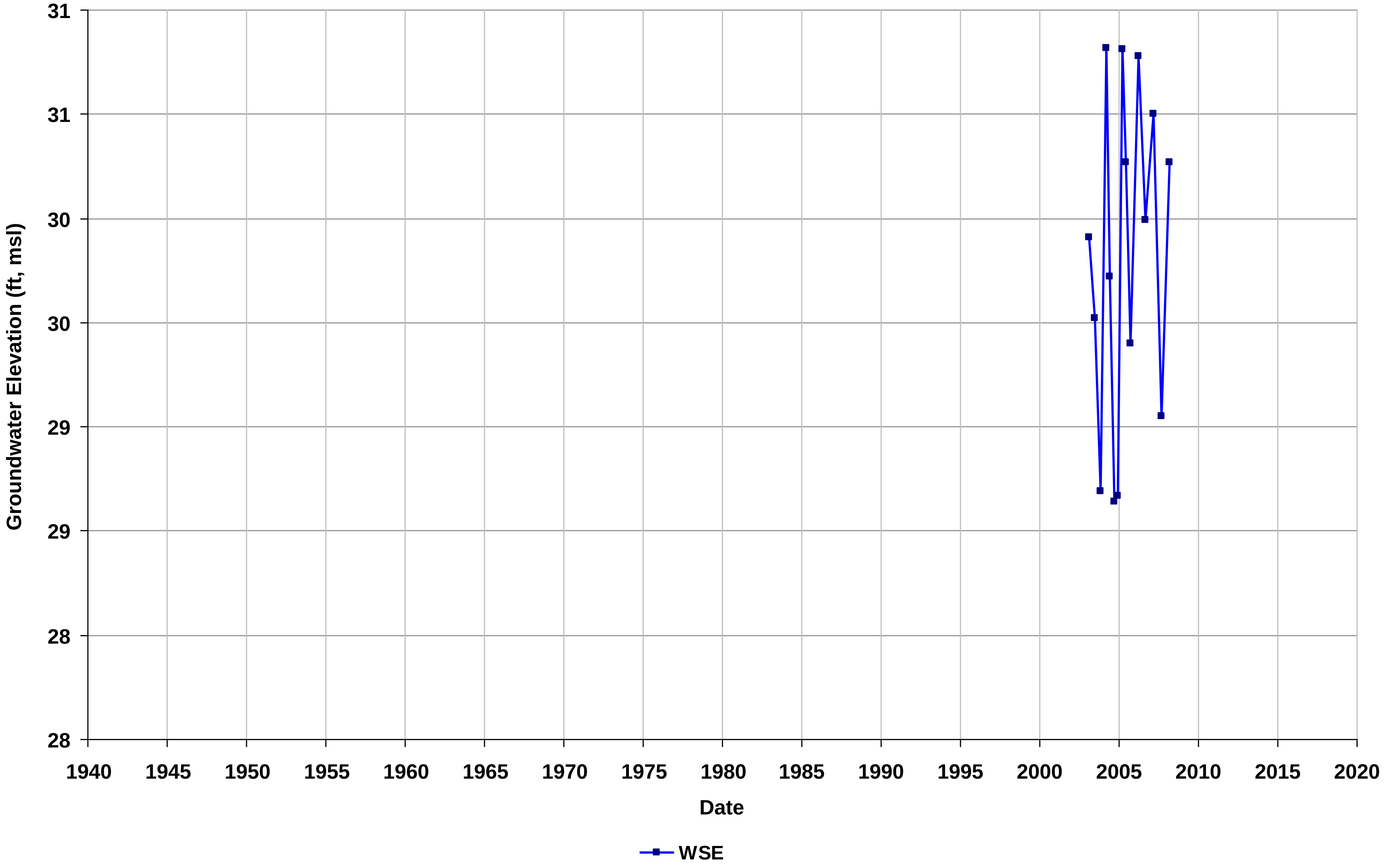
Well Name: T0600101368-A-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/18
Well Use: Observation



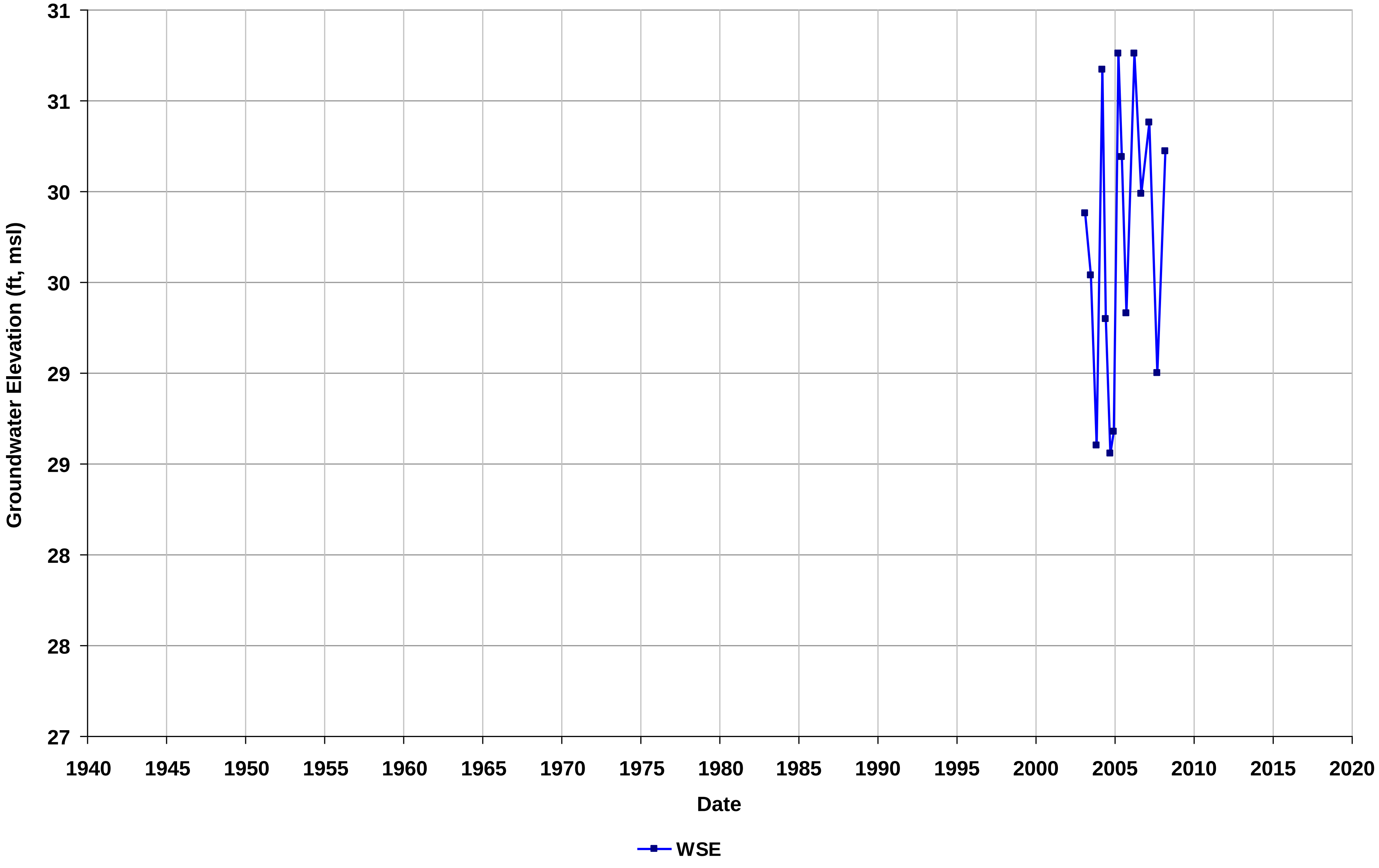
Well Name: T0600101368-AR-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/18
Well Use: Observation



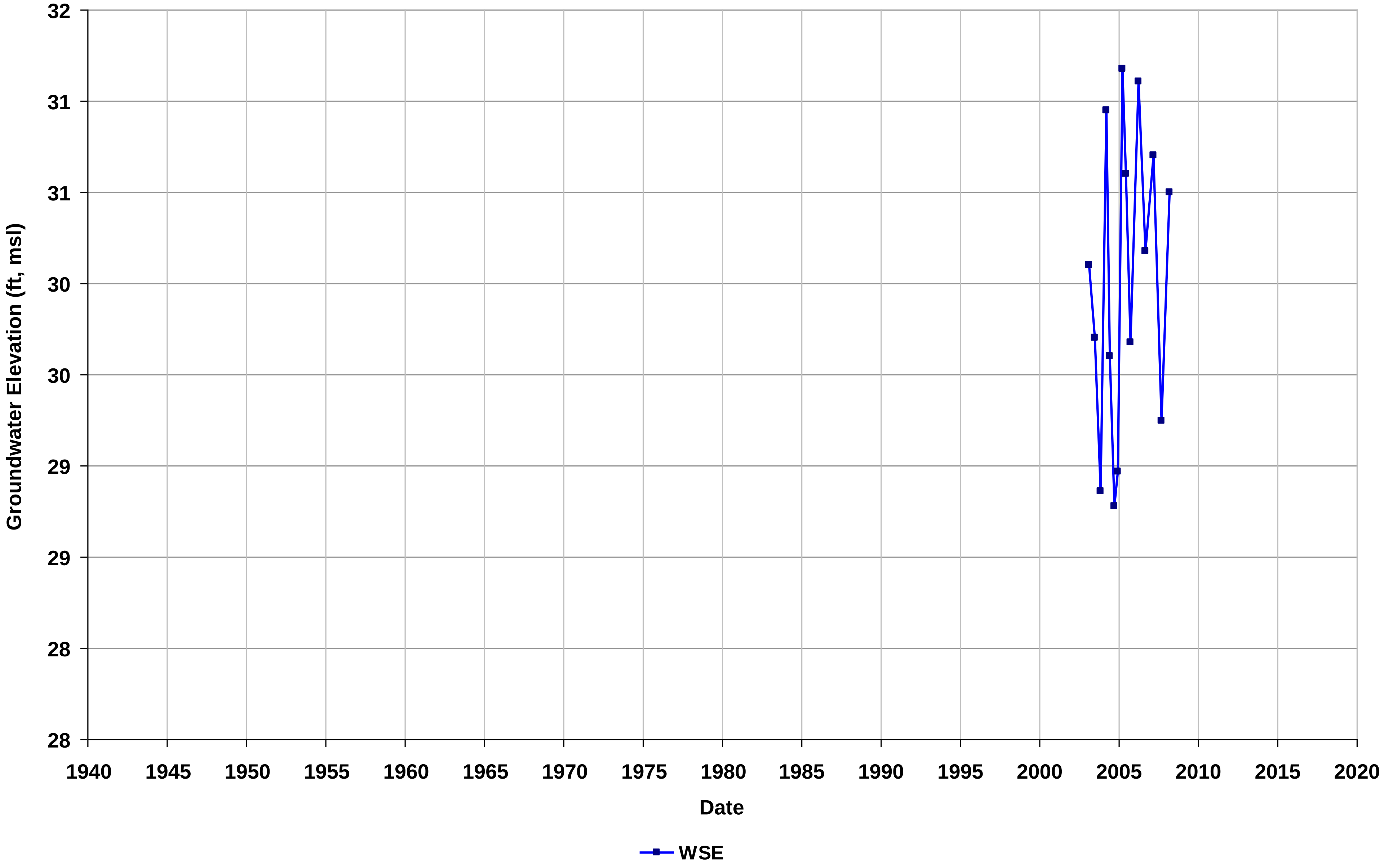
Well Name: T0600101368-AR-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/18
Well Use: Observation



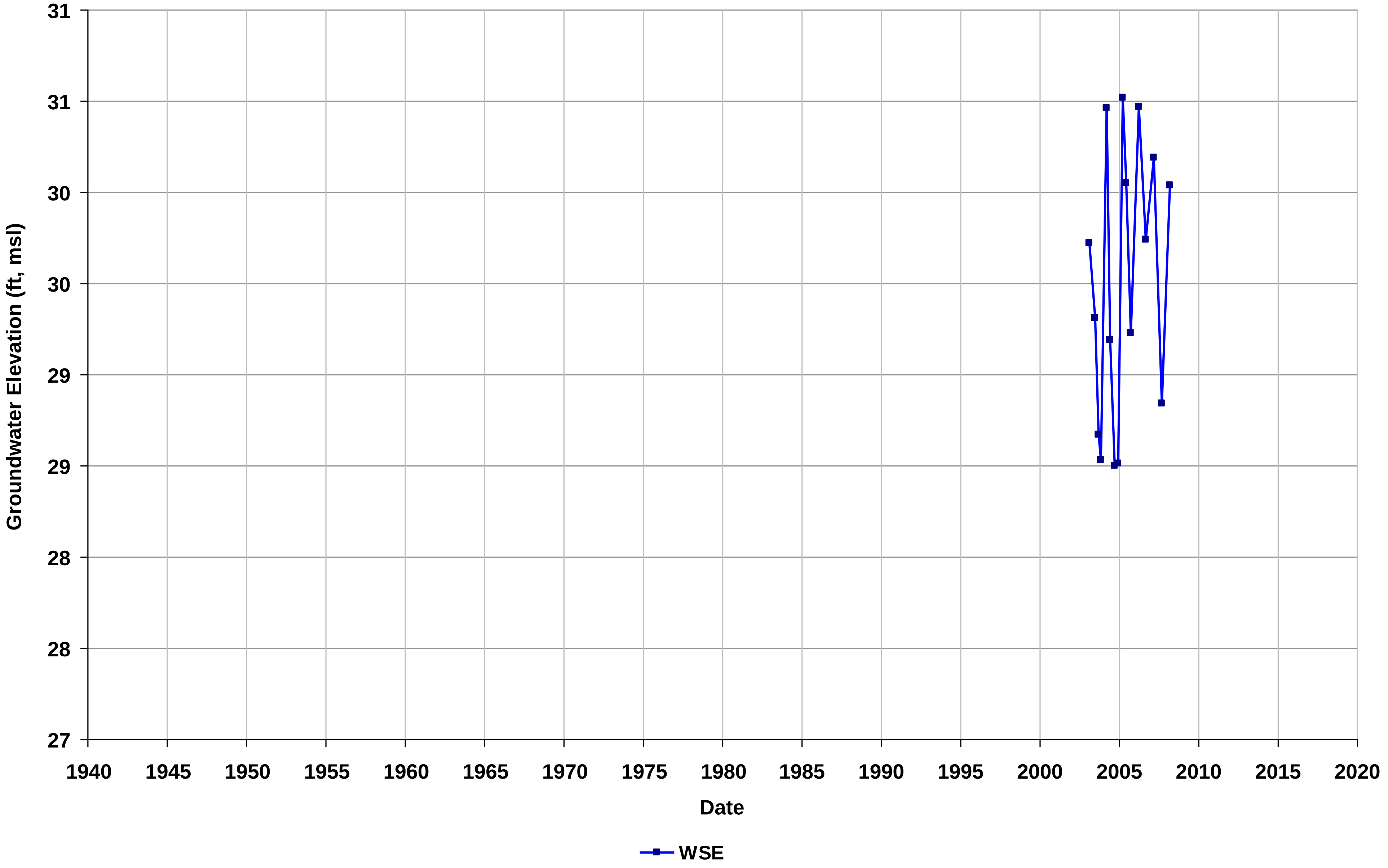
Well Name: T0600101368-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/18
Well Use: Observation



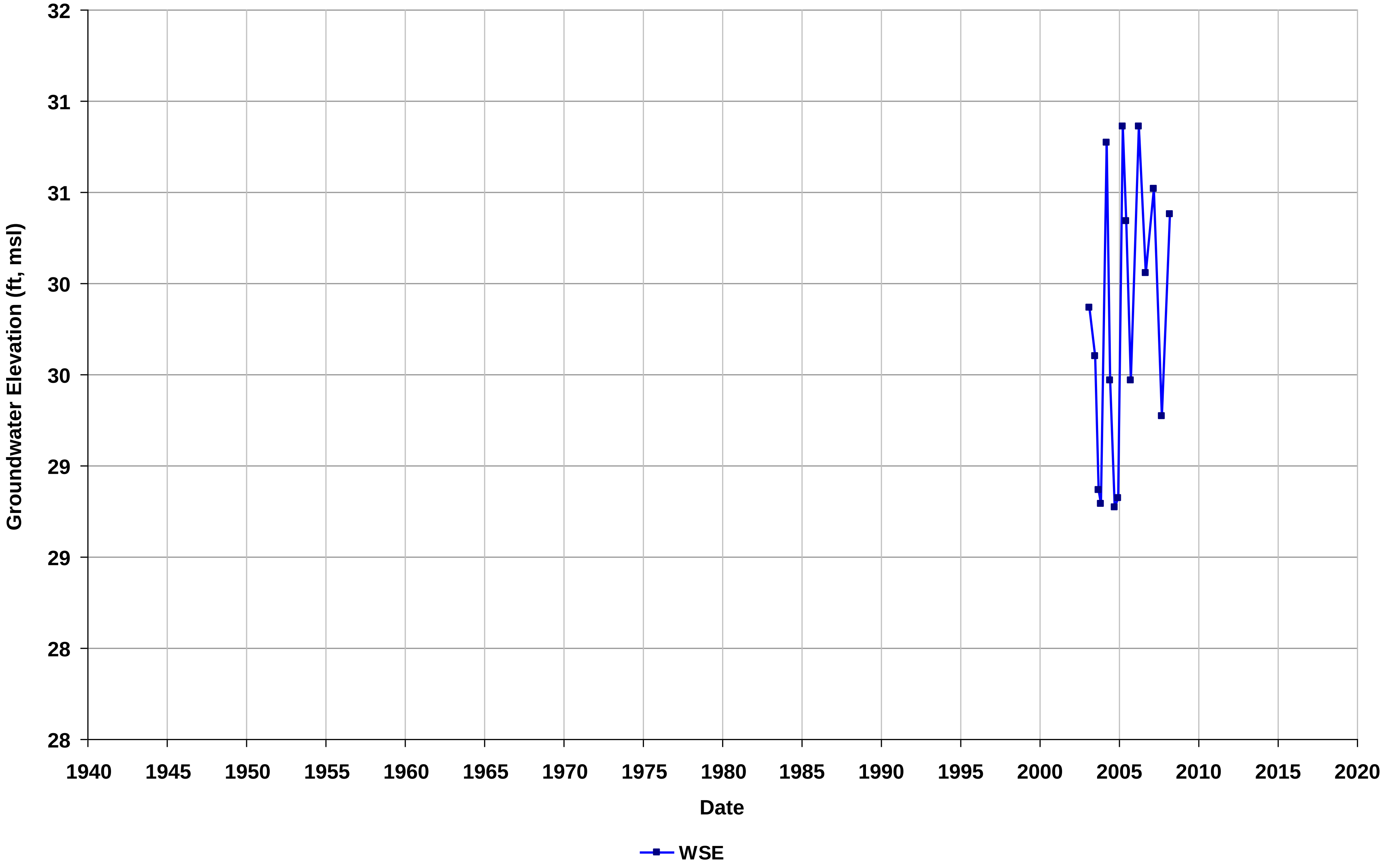
Well Name: T0600101368-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/18
Well Use: Observation



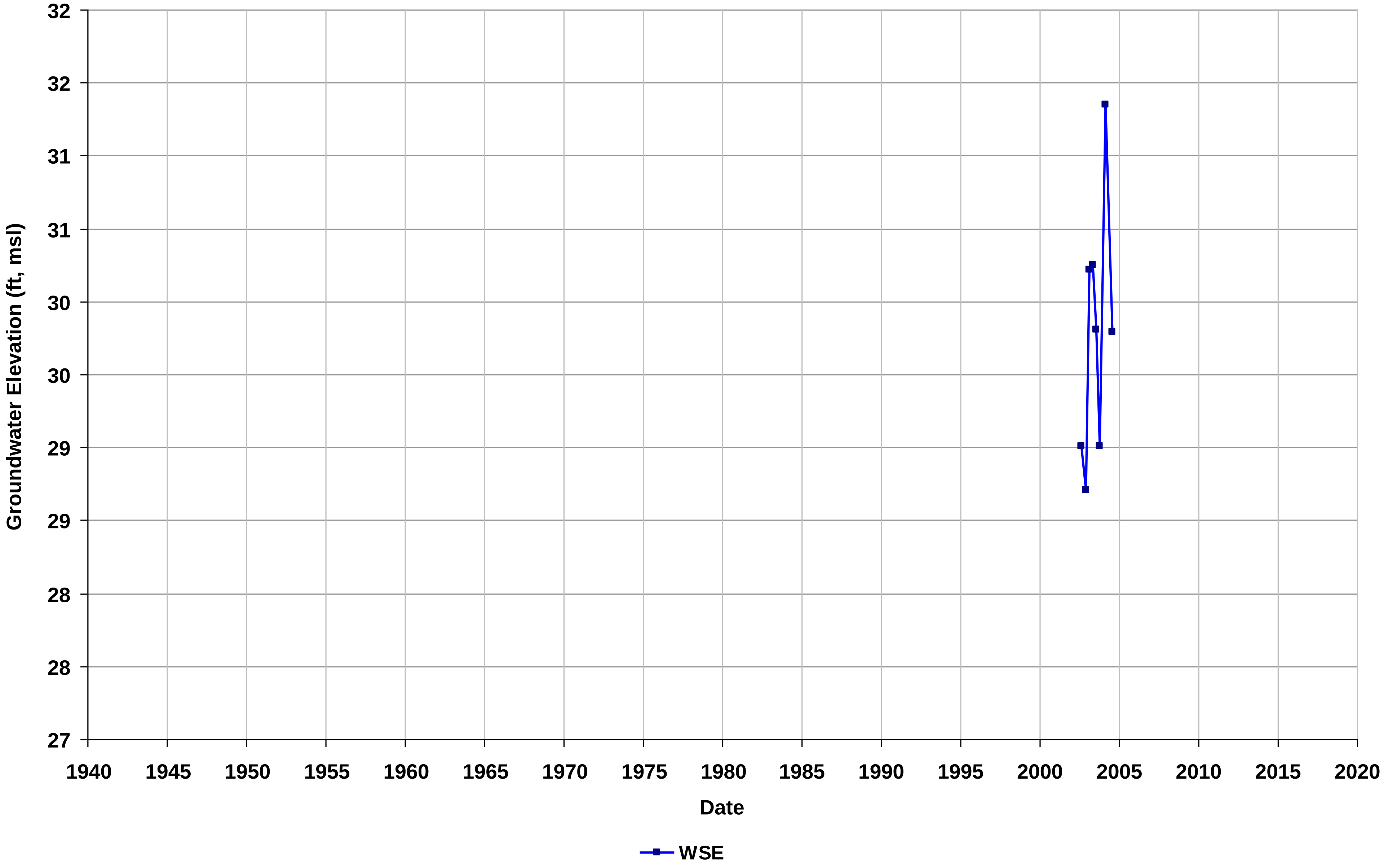
Well Name: T0600101368-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/18
Well Use: Observation



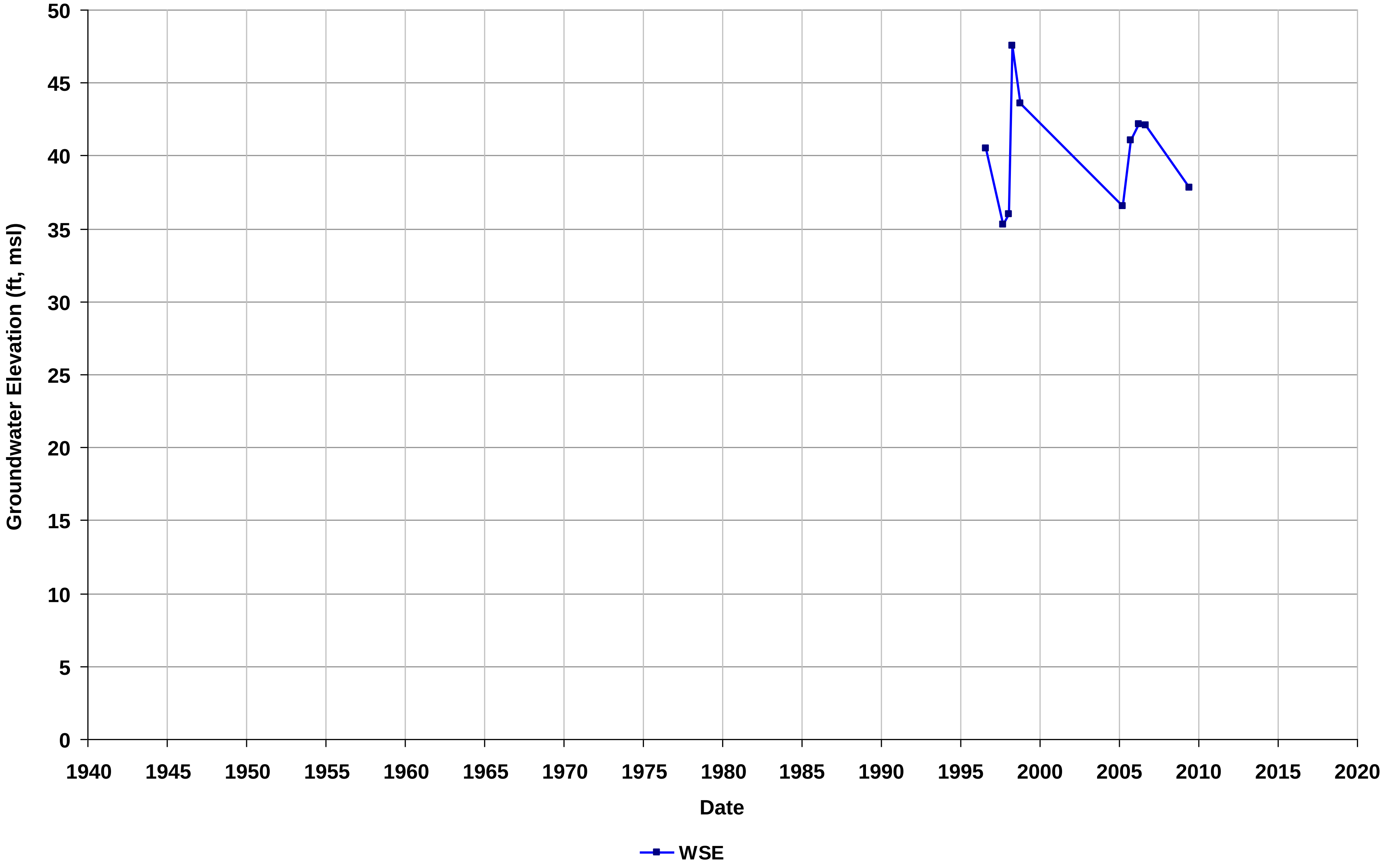
Well Name: T0600101414-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/07
Well Use: Observation



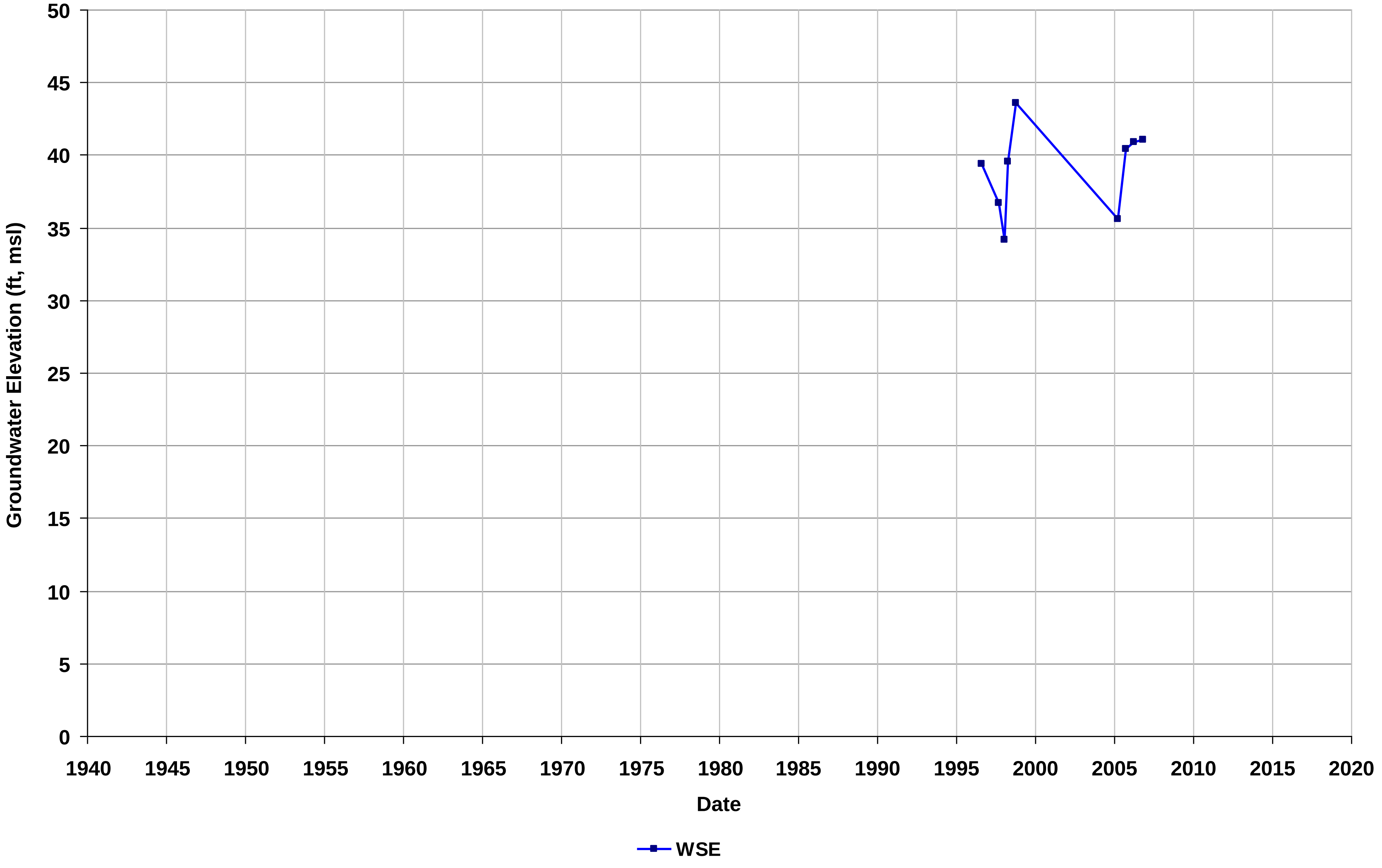
Well Name: T0600101419-MW-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/07
Well Use: Observation



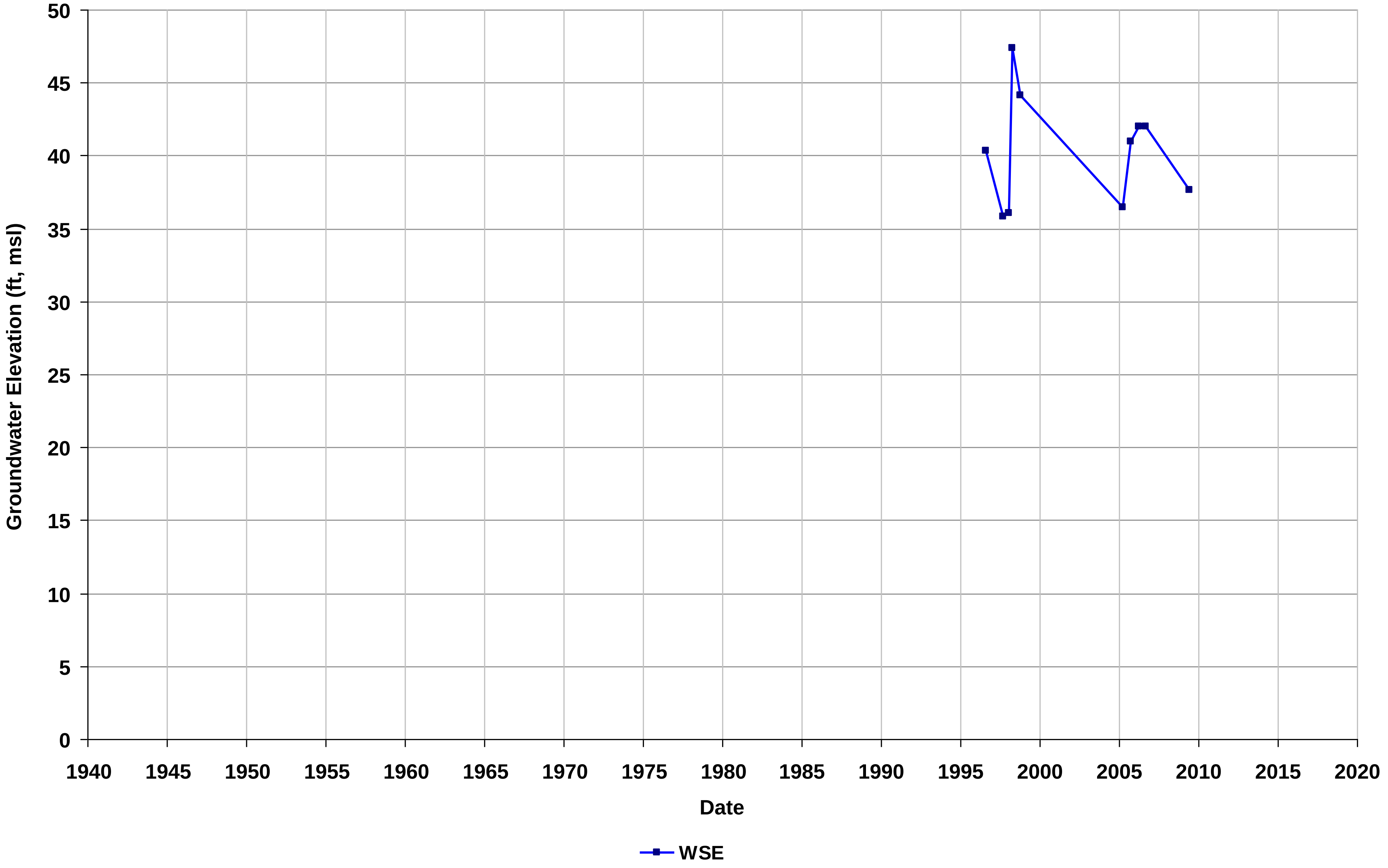
Well Name: T0600101419-MW-5
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/07
Well Use: Observation



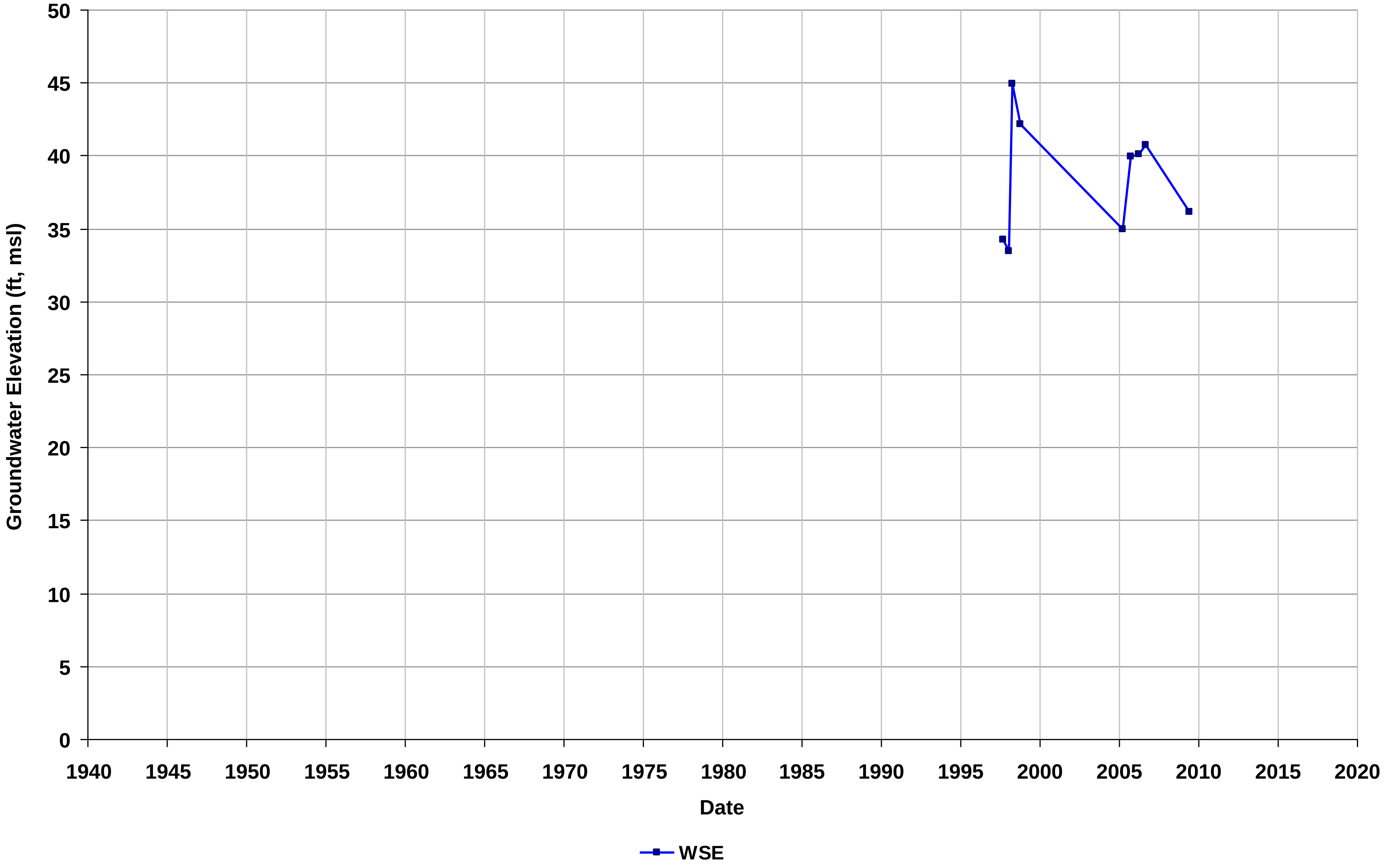
Well Name: T0600101419-MW-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/07
Well Use: Observation



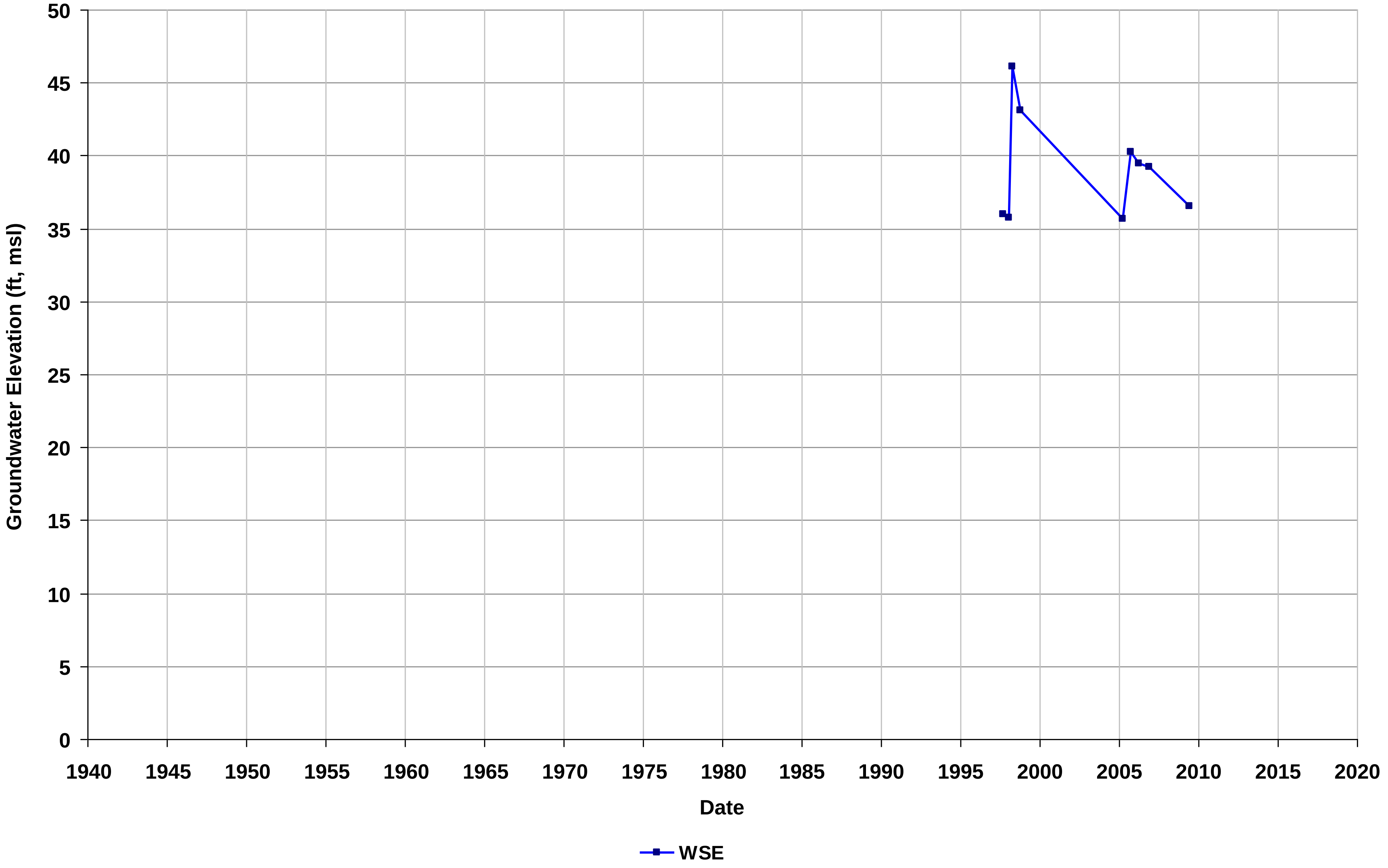
Well Name: T0600101419-MW-8
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/07
Well Use: Observation



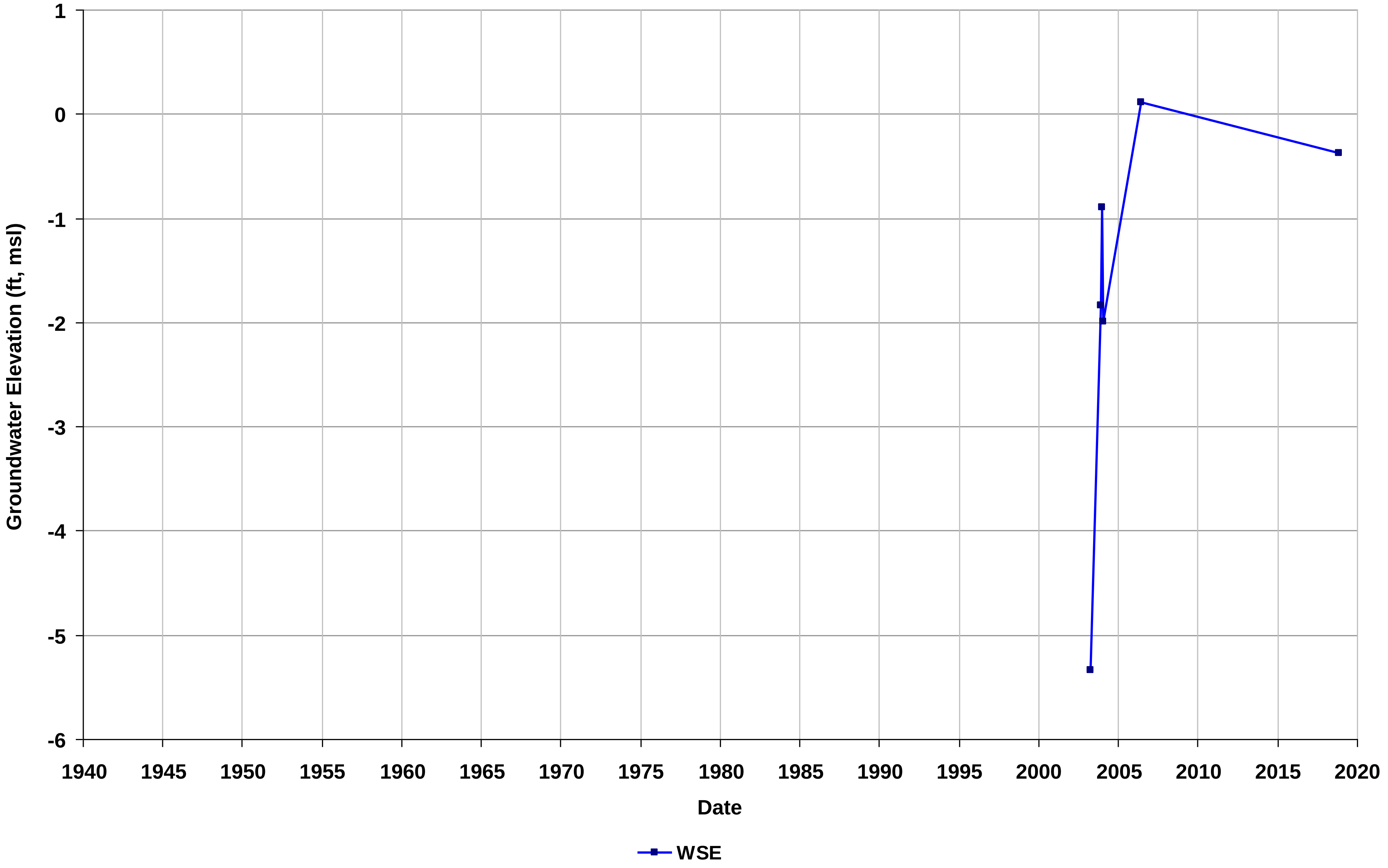
Well Name: T0600101419-MW-9
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/07
Well Use: Observation



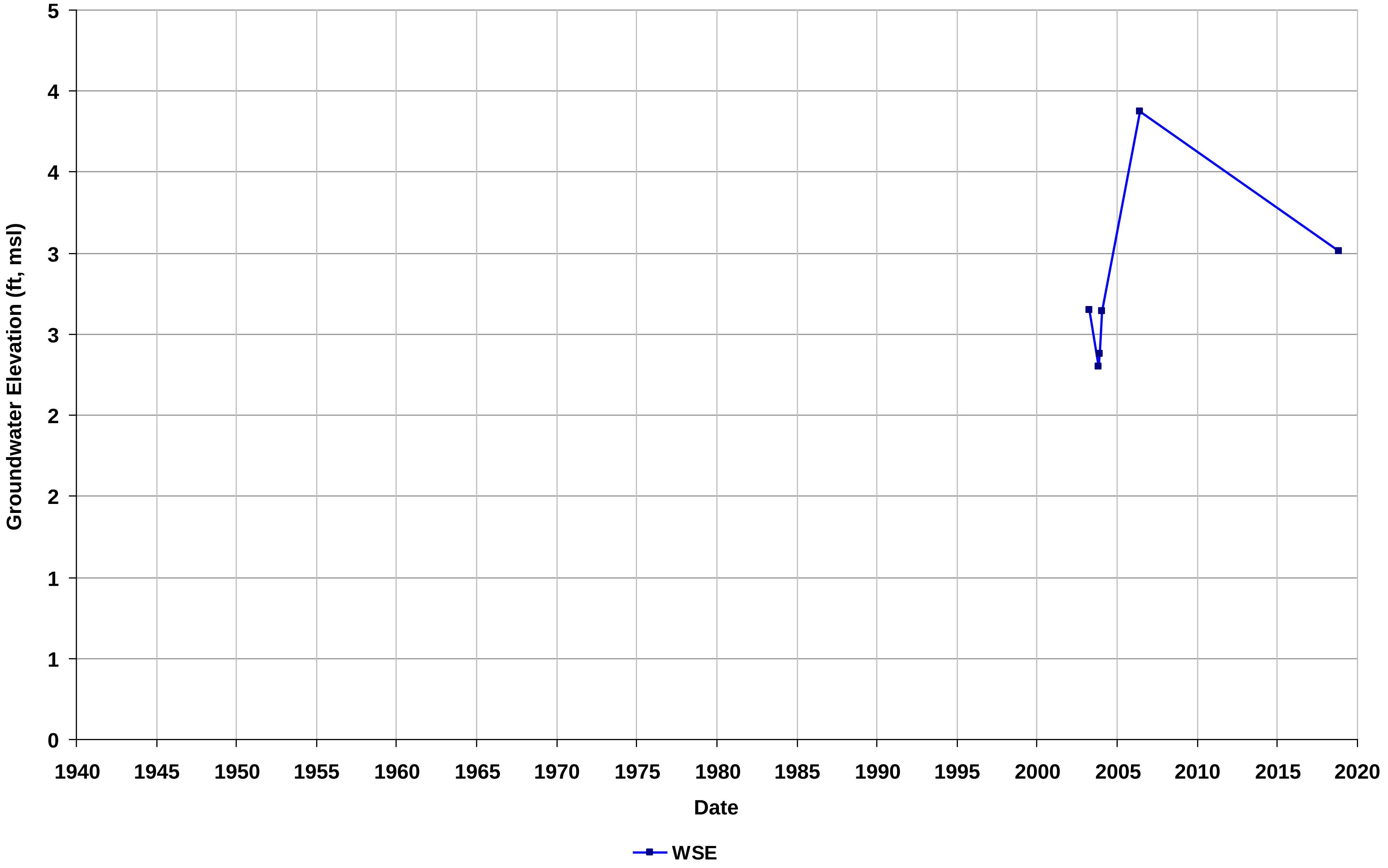
Well Name: T0600101423-UAL-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/32
Well Use: Observation



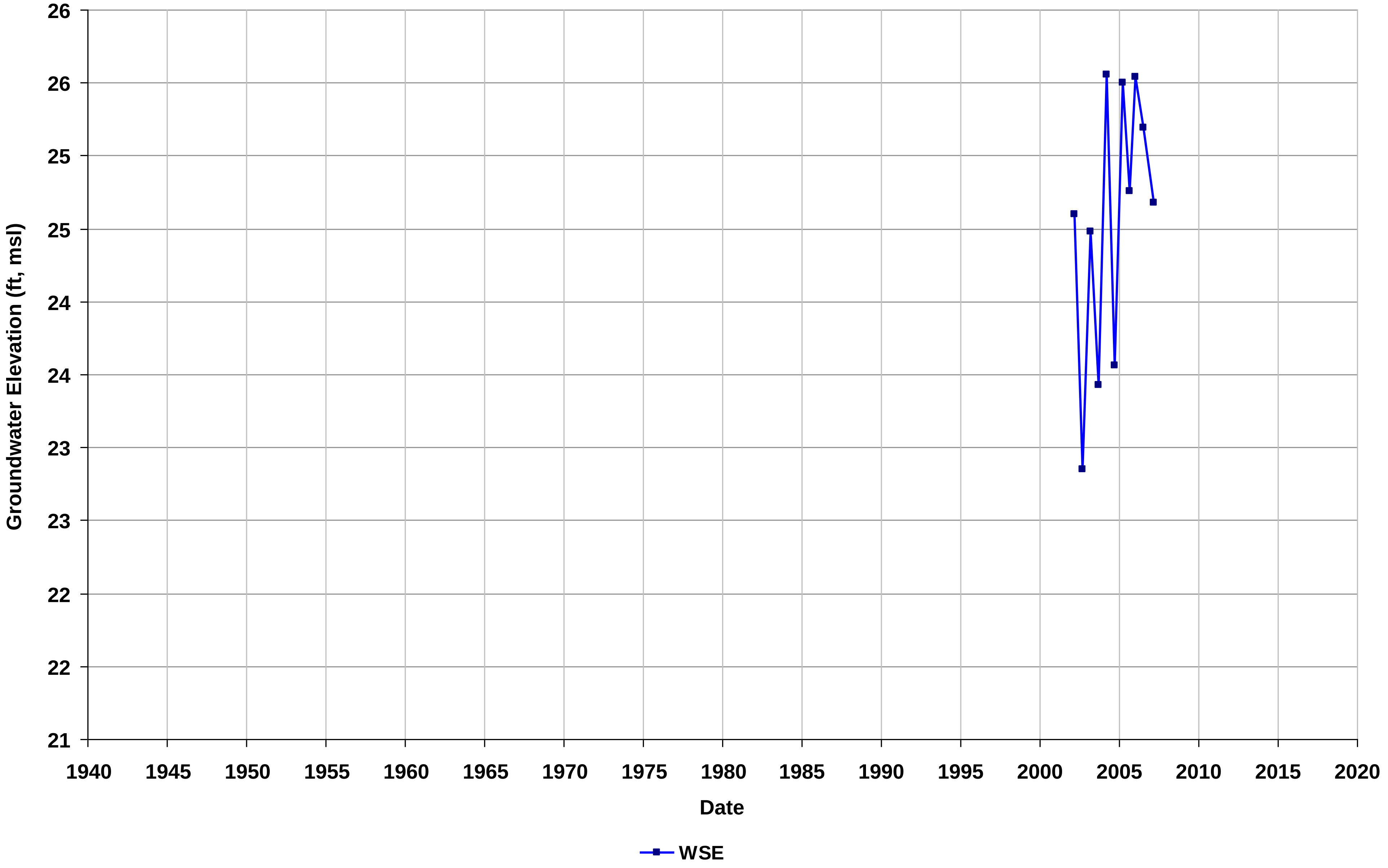
Well Name: T0600101423-UAL-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/32
Well Use: Observation



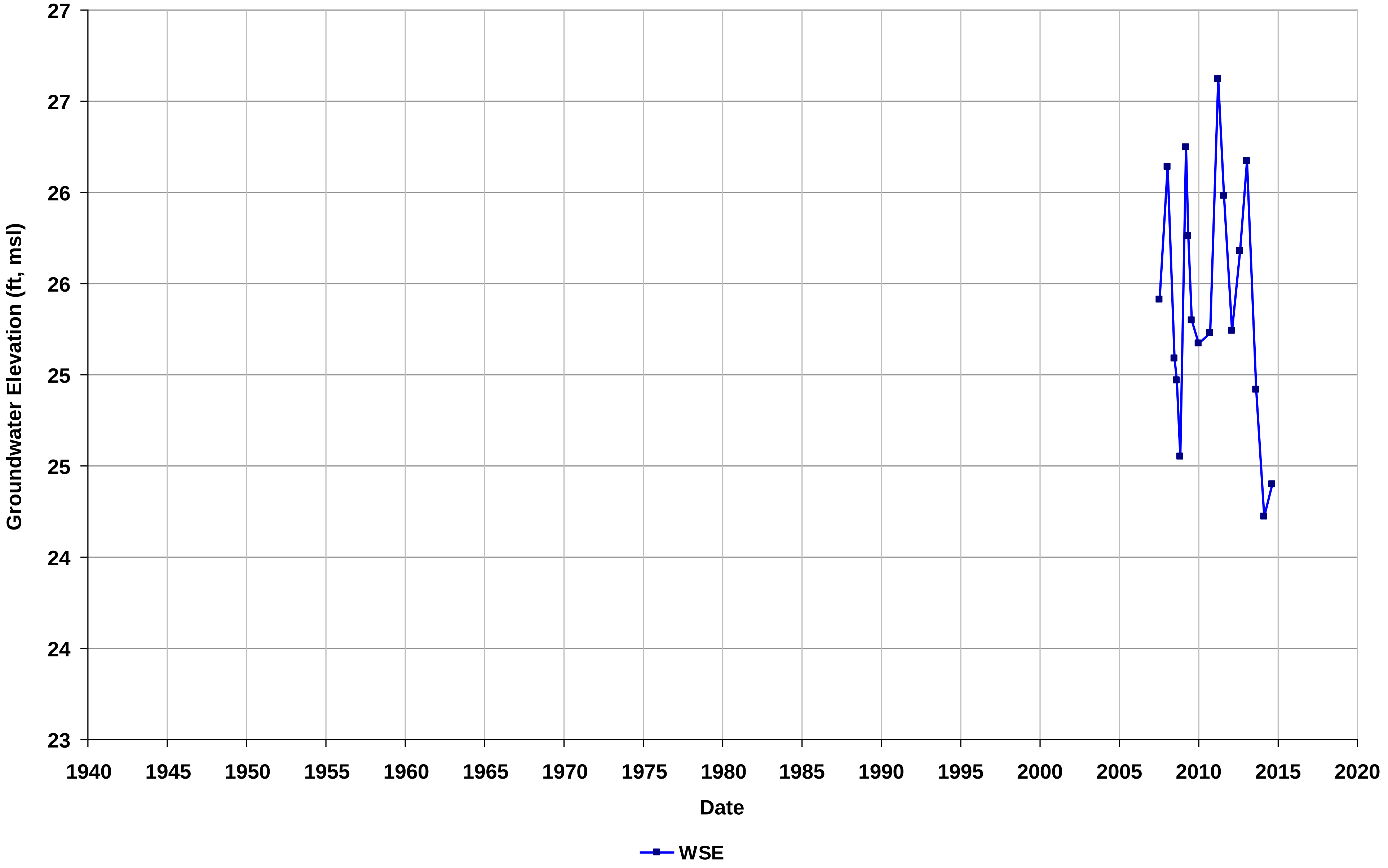
Well Name: T0600101469-U-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/07
Well Use: Observation



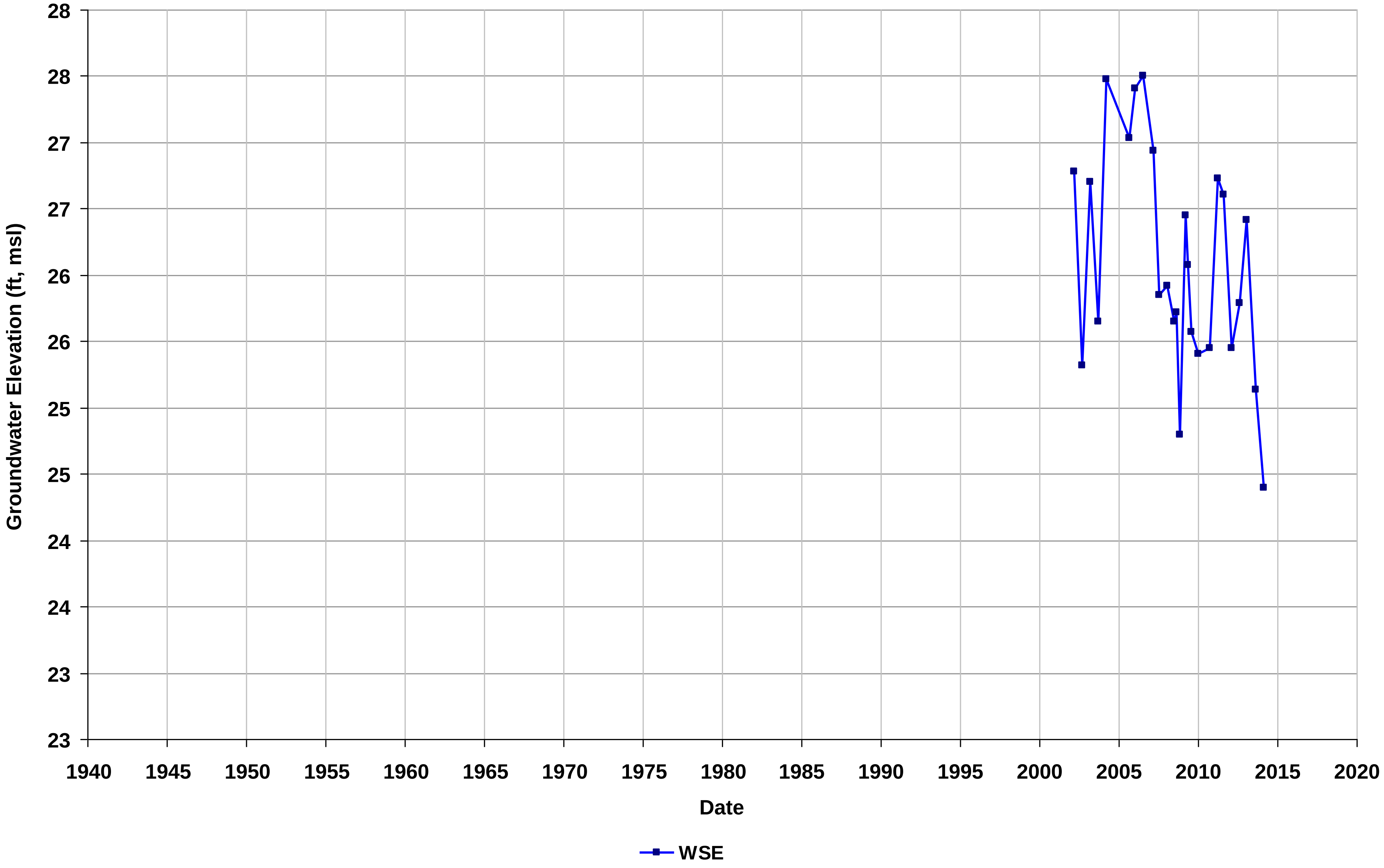
Well Name: T0600101469-U-1R
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/07
Well Use: Observation



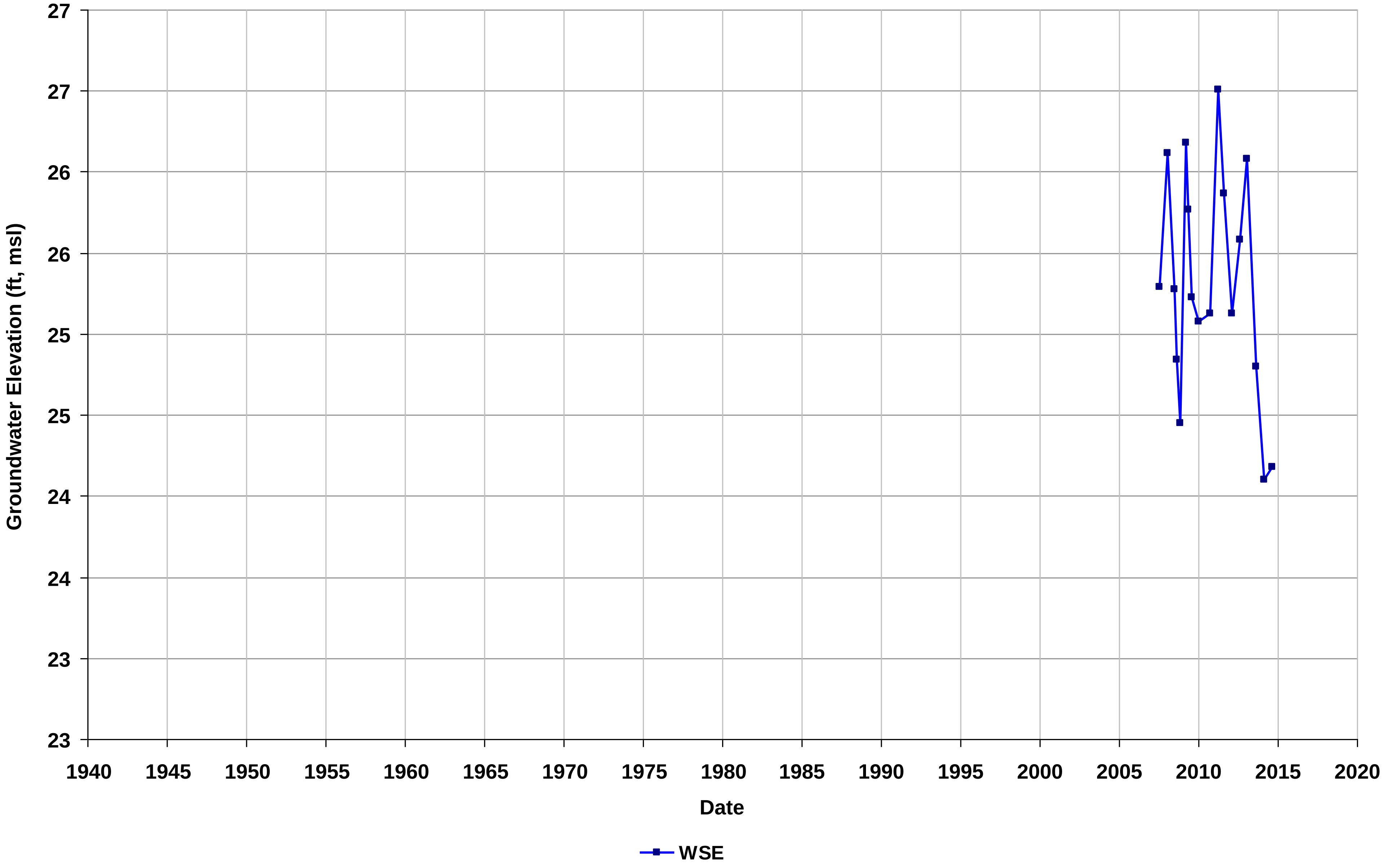
Well Name: T0600101469-U-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/07
Well Use: Observation



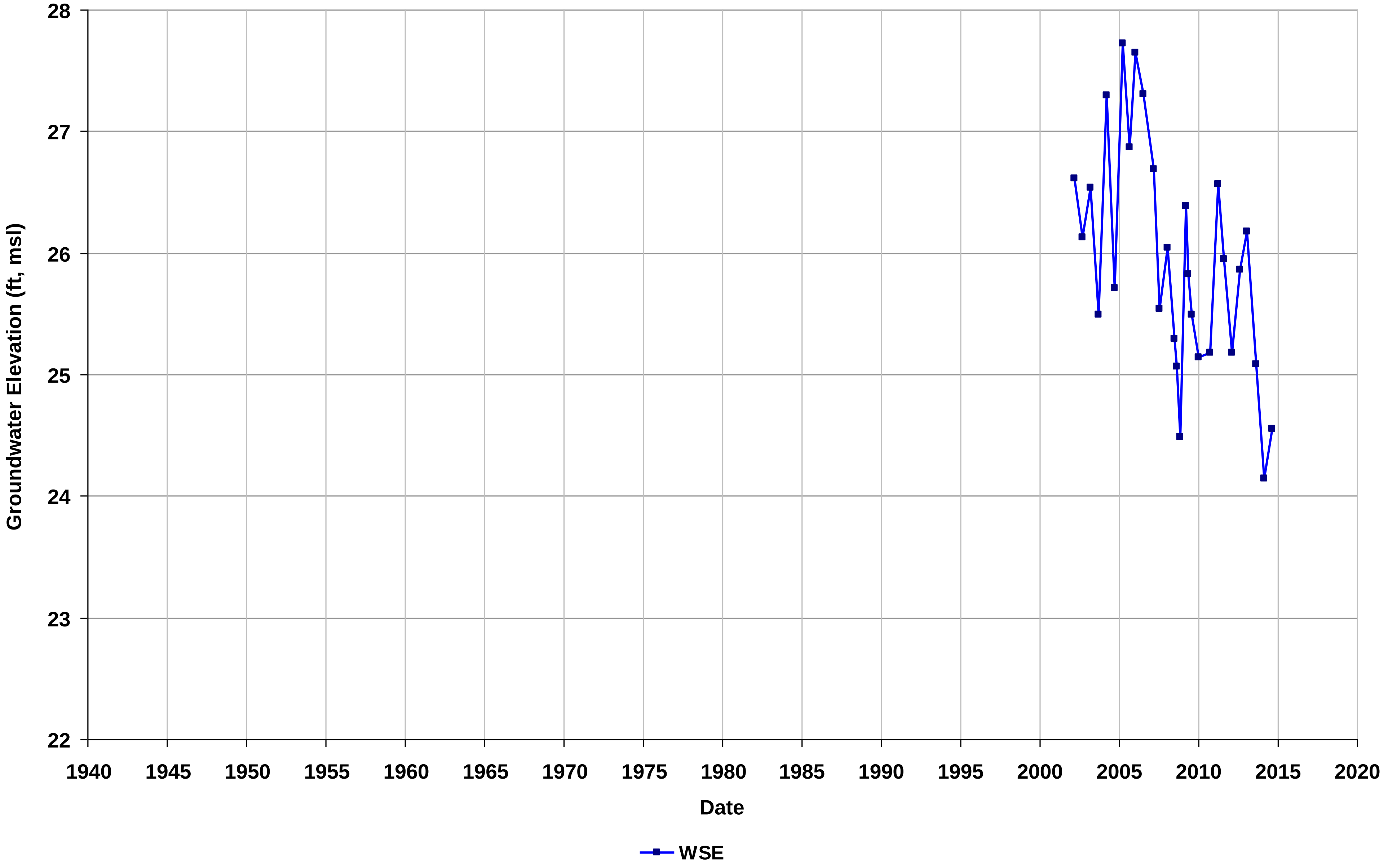
Well Name: T0600101469-U-3R
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/07
Well Use: Observation



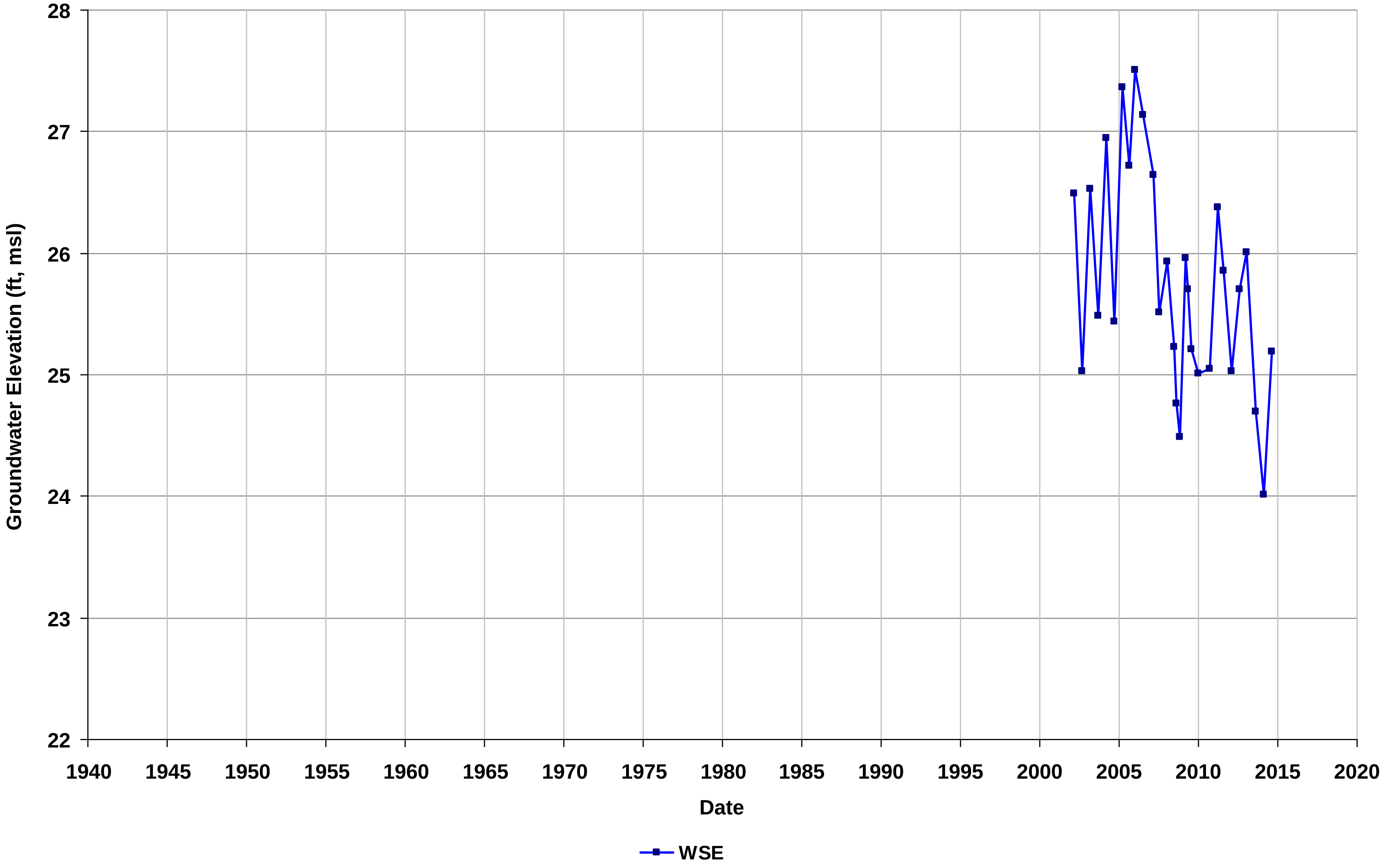
Well Name: T0600101469-U-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/07
Well Use: Observation



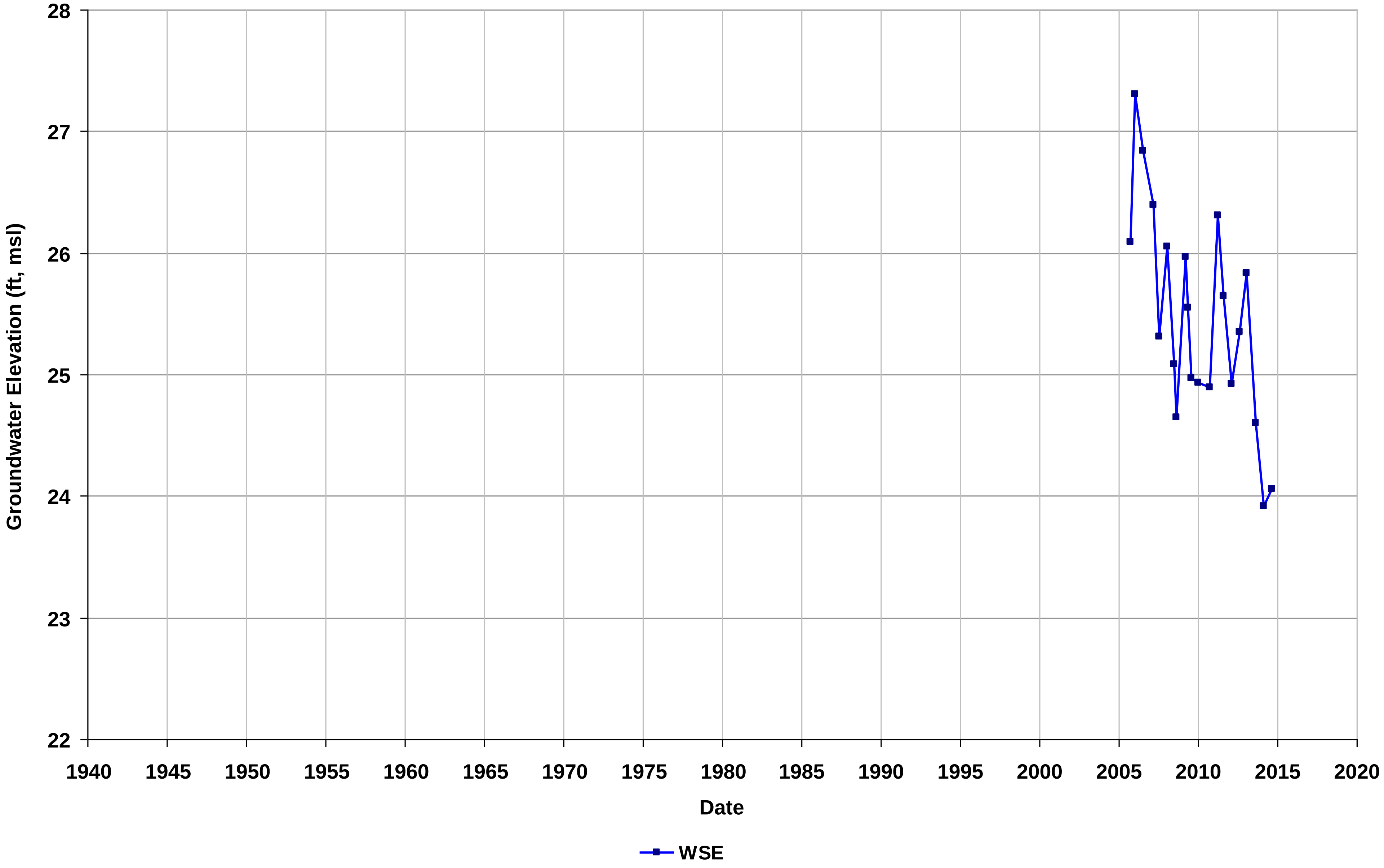
Well Name: T0600101469-U-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/07
Well Use: Observation



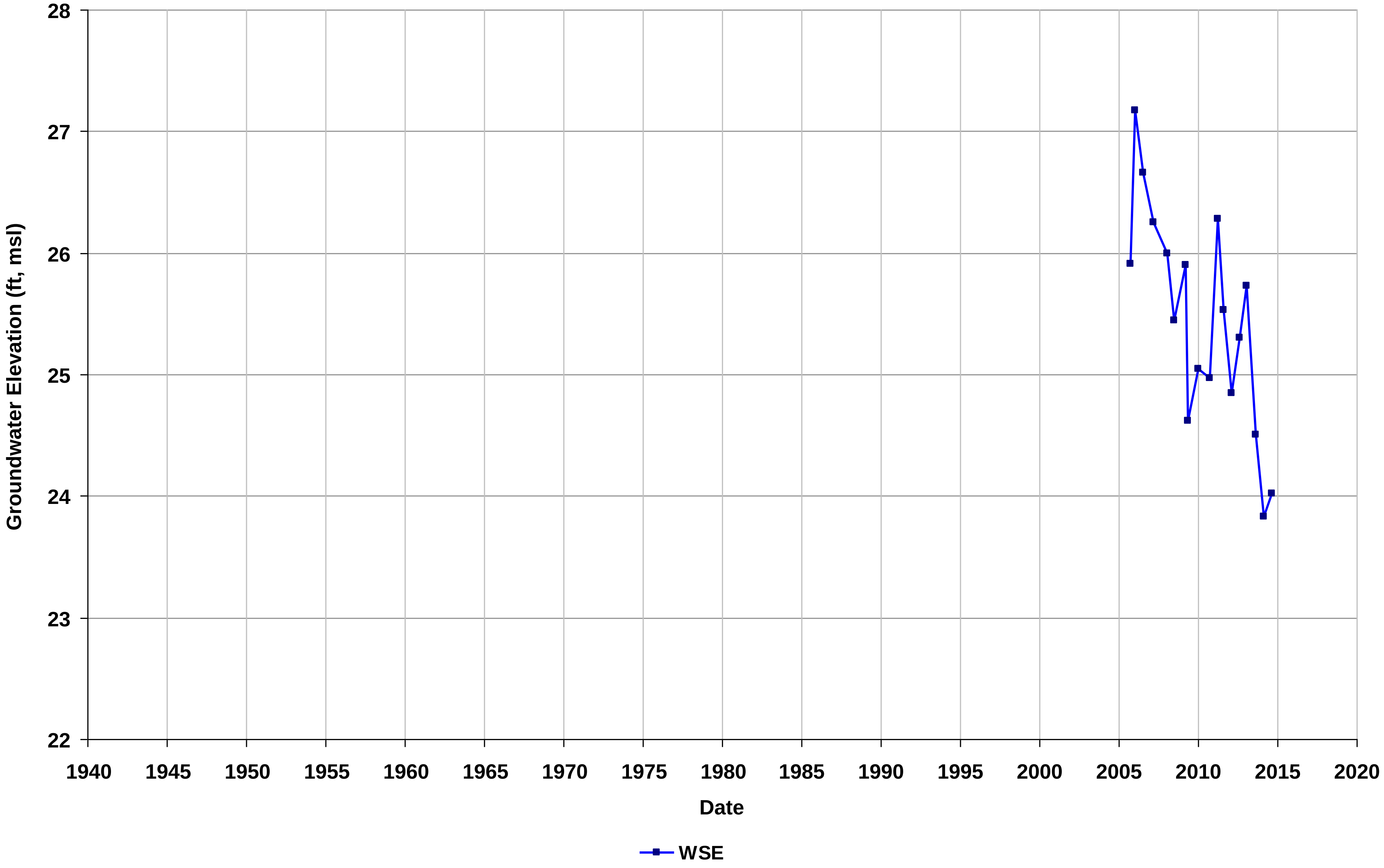
Well Name: T0600101469-U-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/07
Well Use: Observation



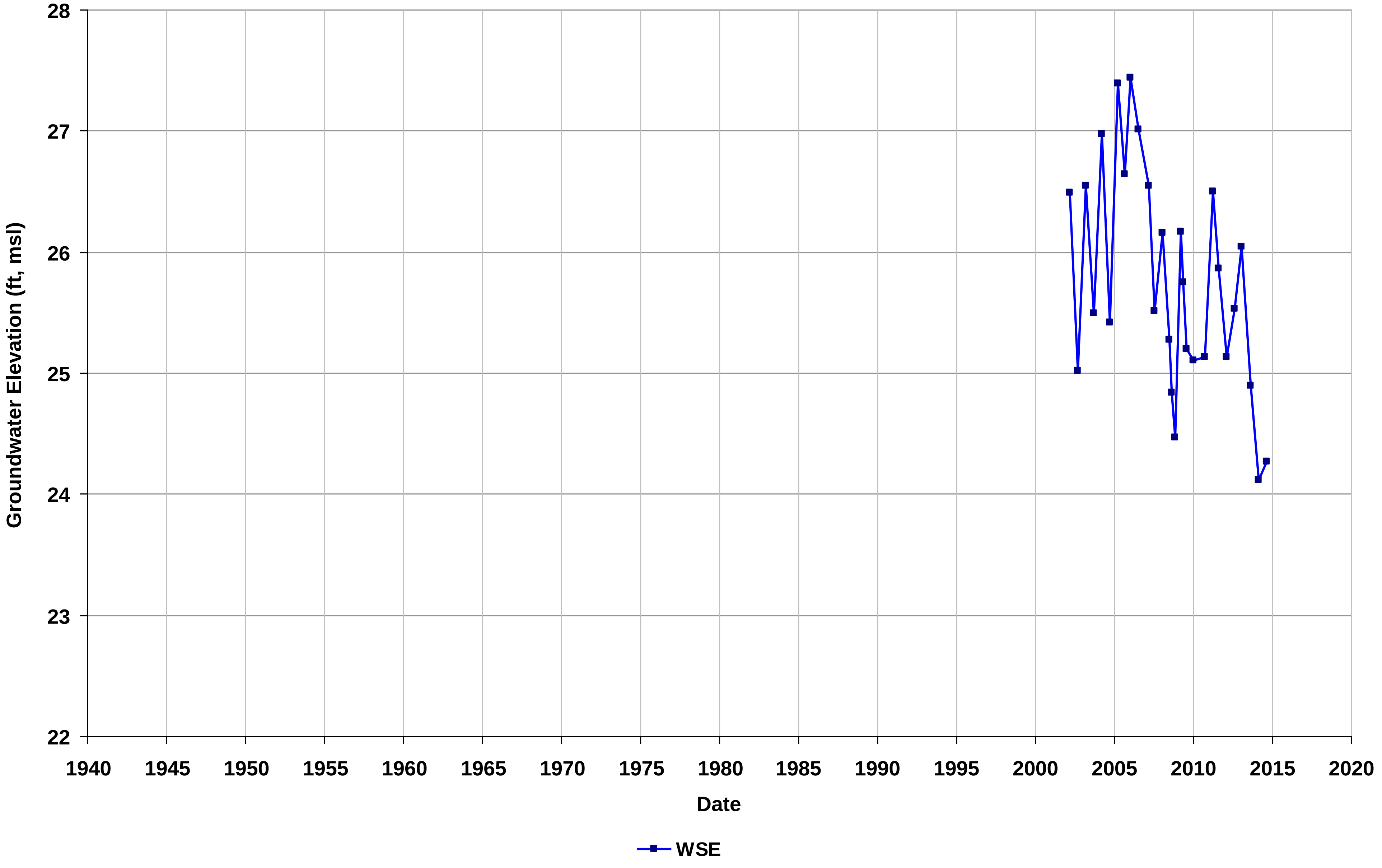
Well Name: T0600101469-U-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/07
Well Use: Observation



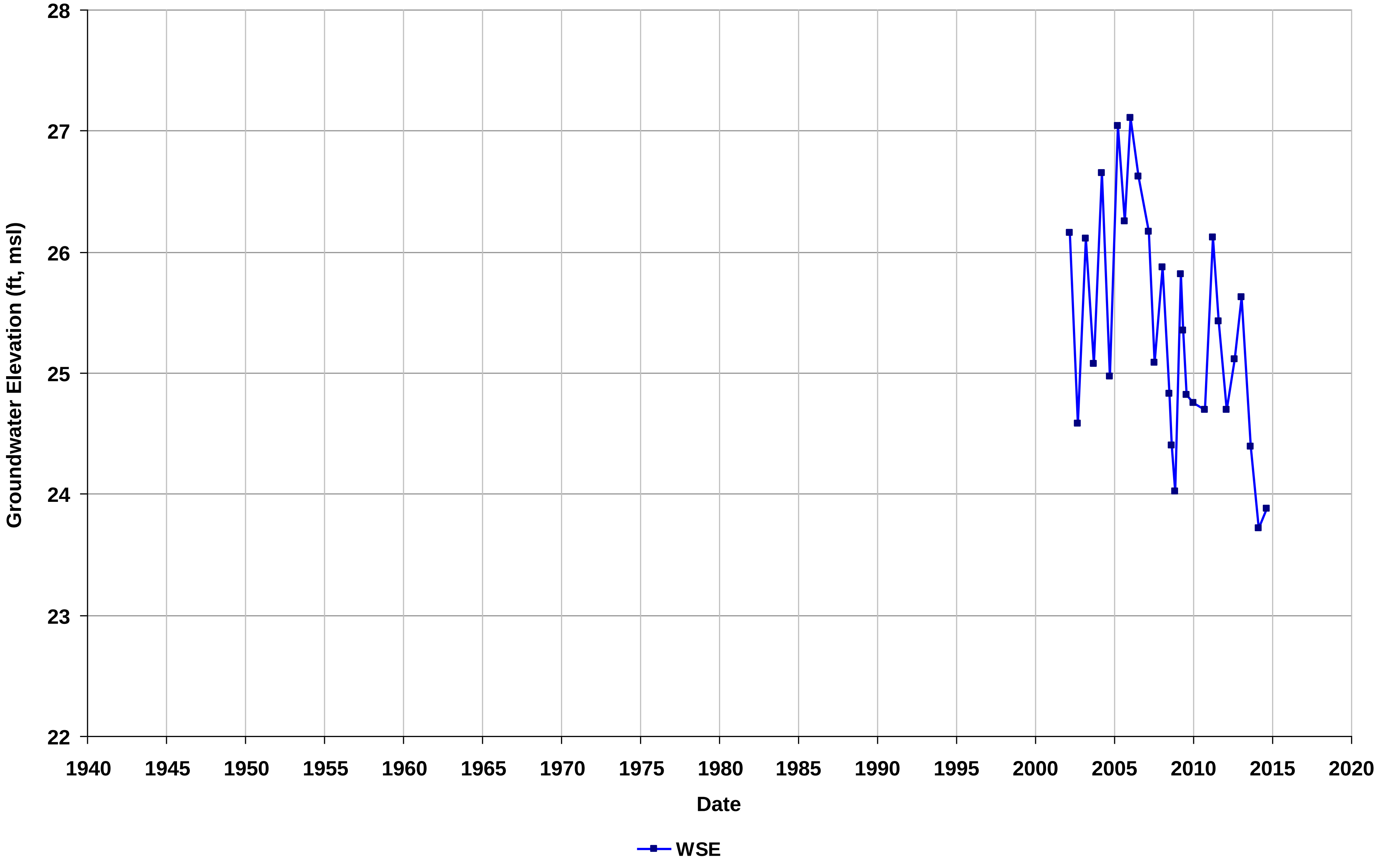
Well Name: T0600101469-U-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/07
Well Use: Observation



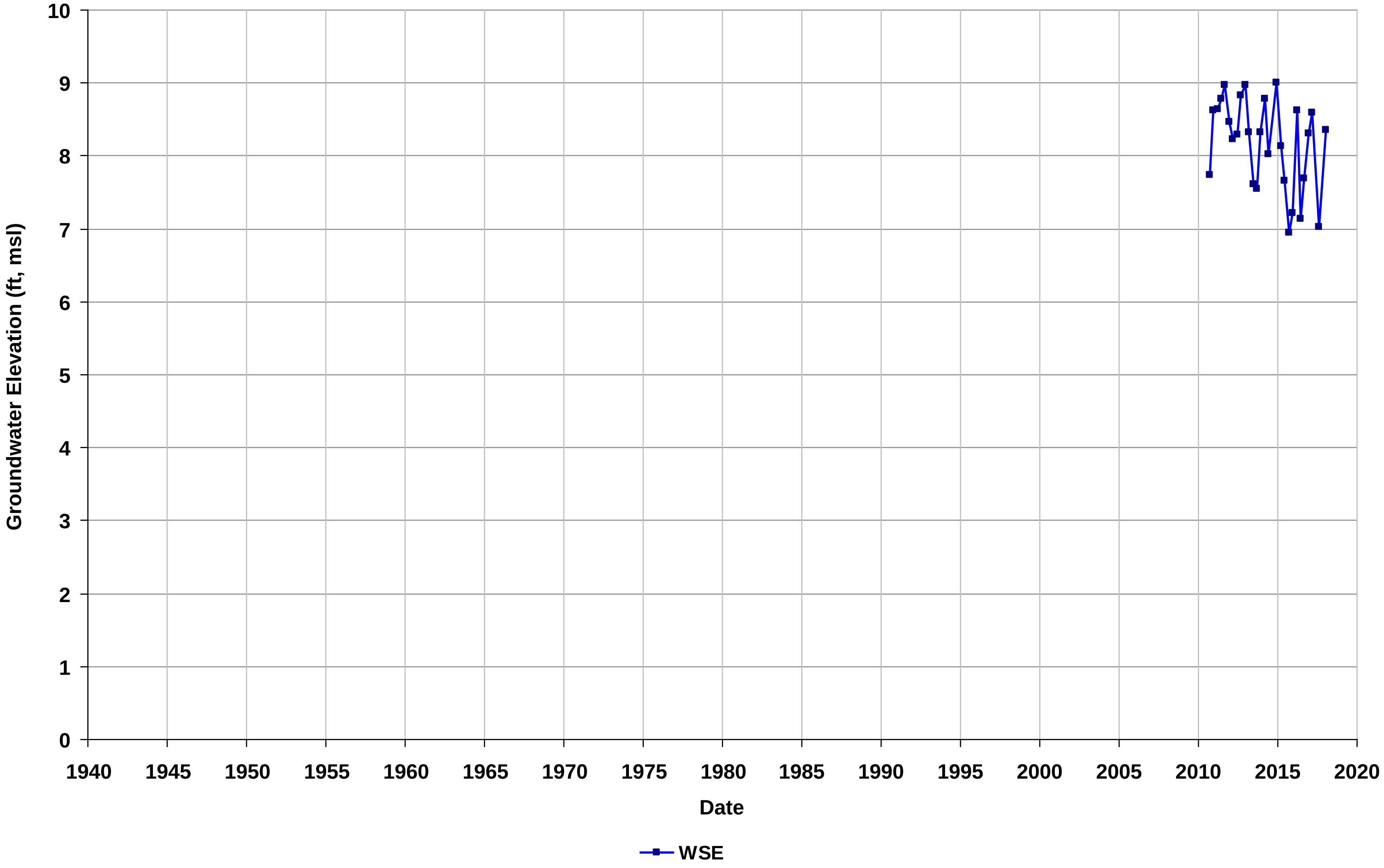
Well Name: T0600101469-U-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/07
Well Use: Observation



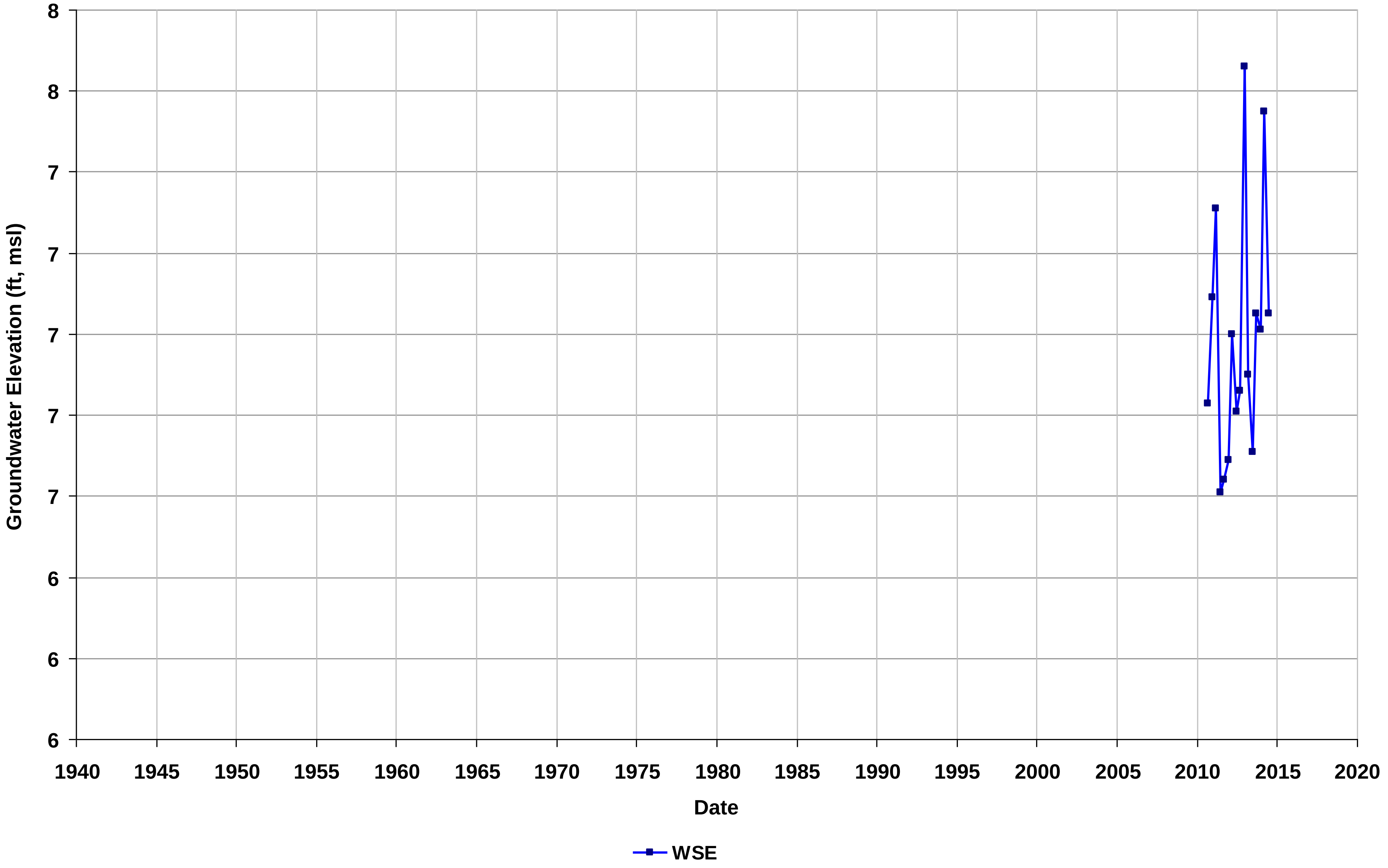
Well Name: T0600101476-MW-11
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/28
Well Use: Observation



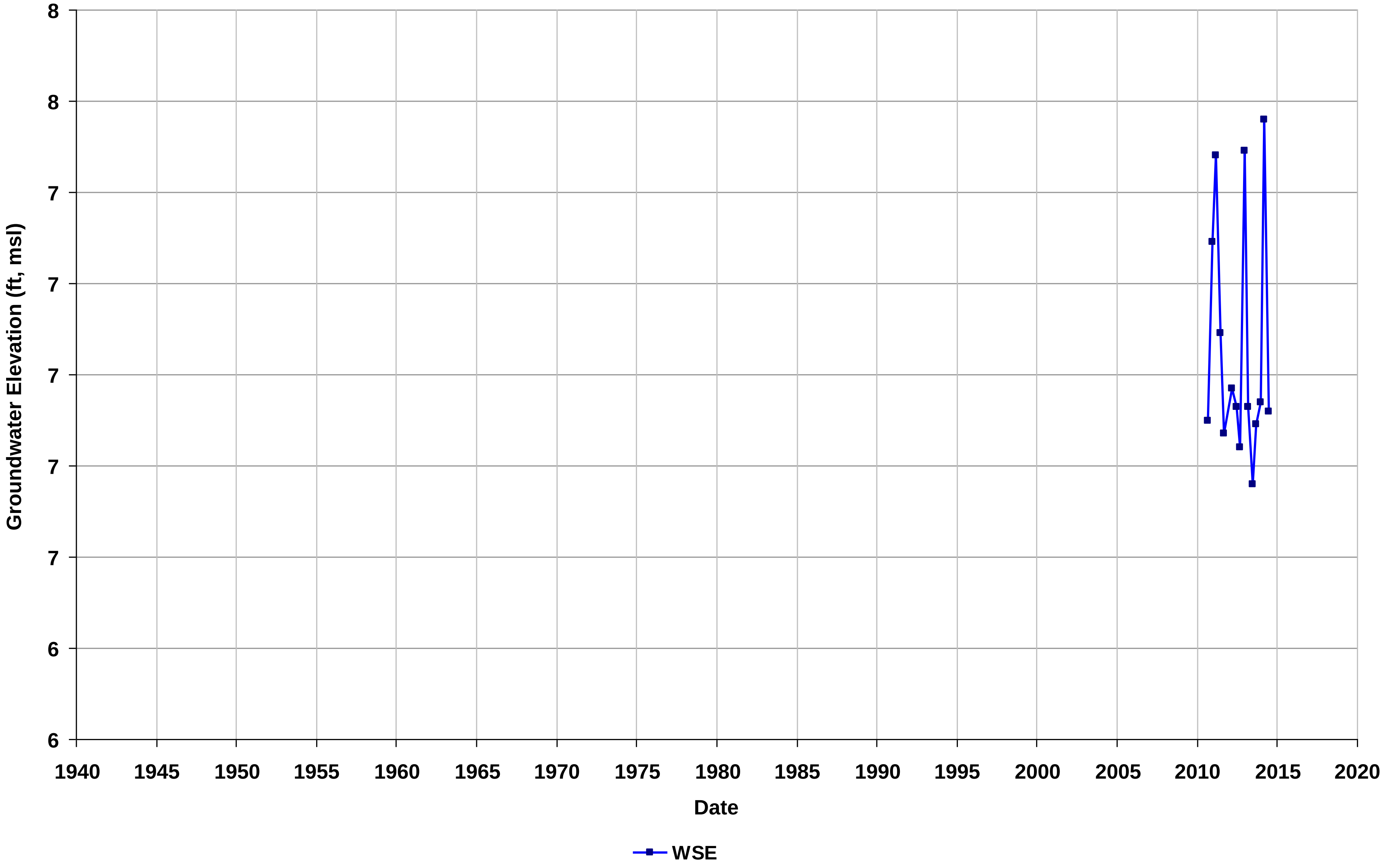
Well Name: T0600101476-MW-12
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/28
Well Use: Observation



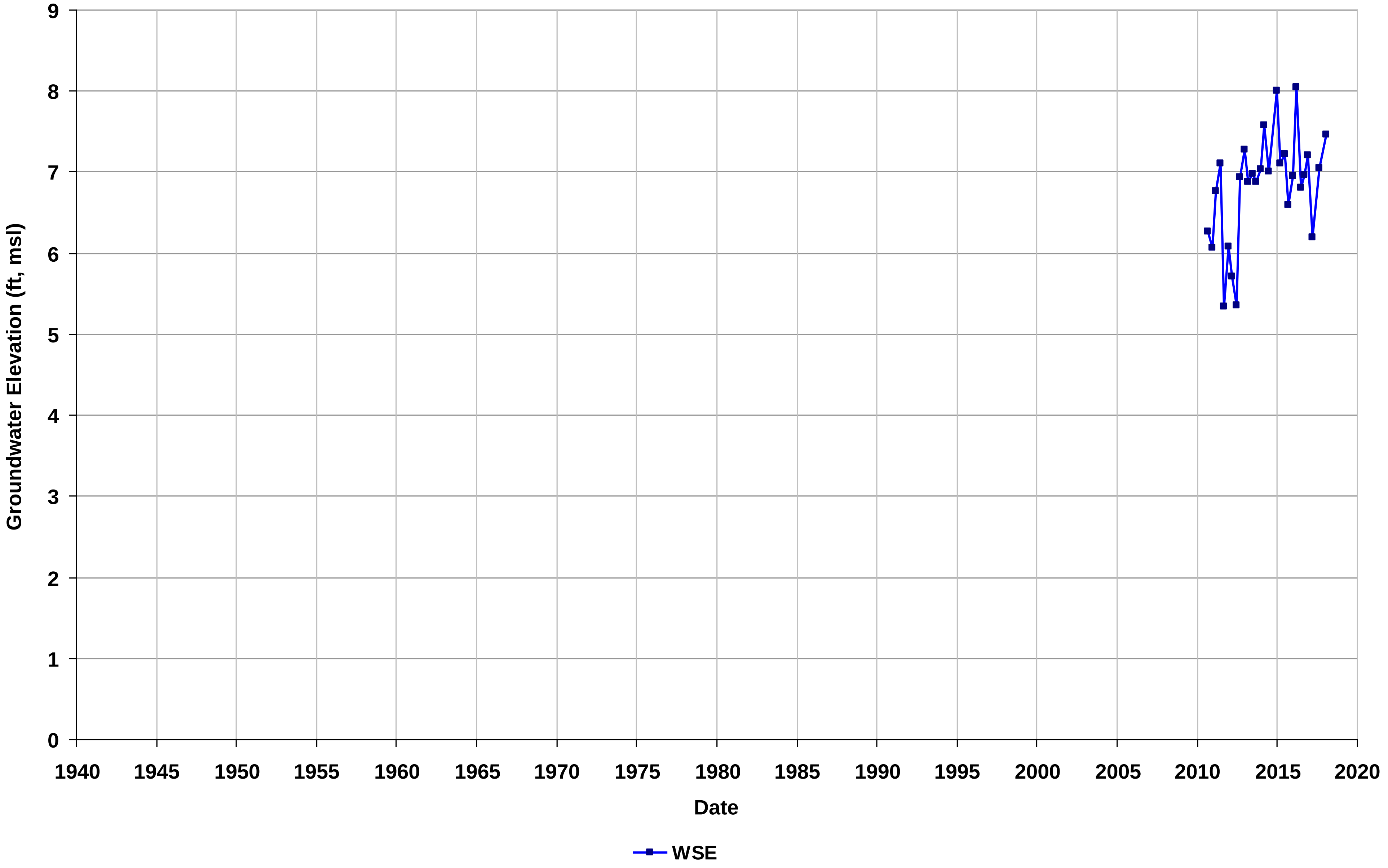
Well Name: T0600101476-MW-12A
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/28
Well Use: Observation



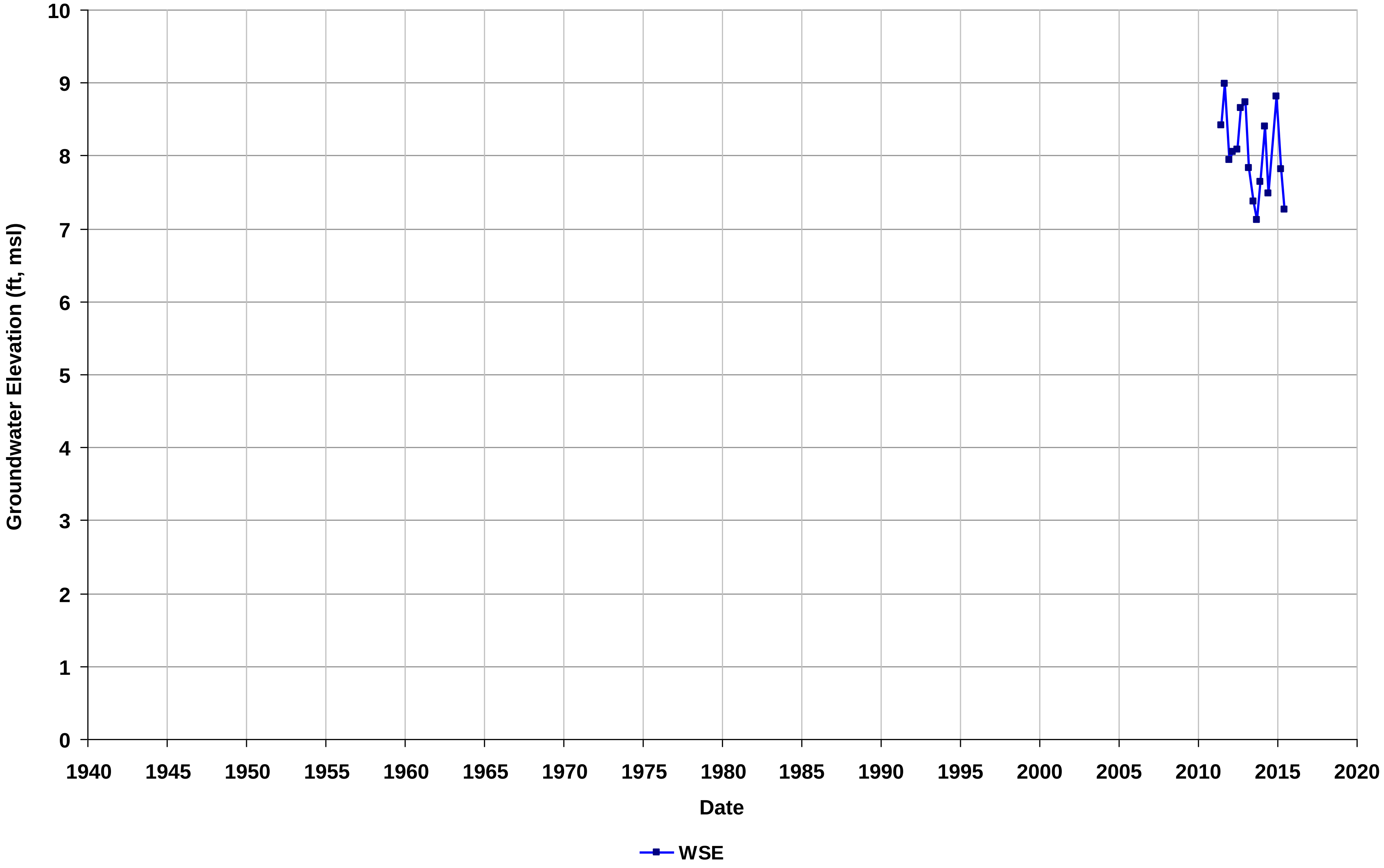
Well Name: T0600101476-MW-13
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/28
Well Use: Observation



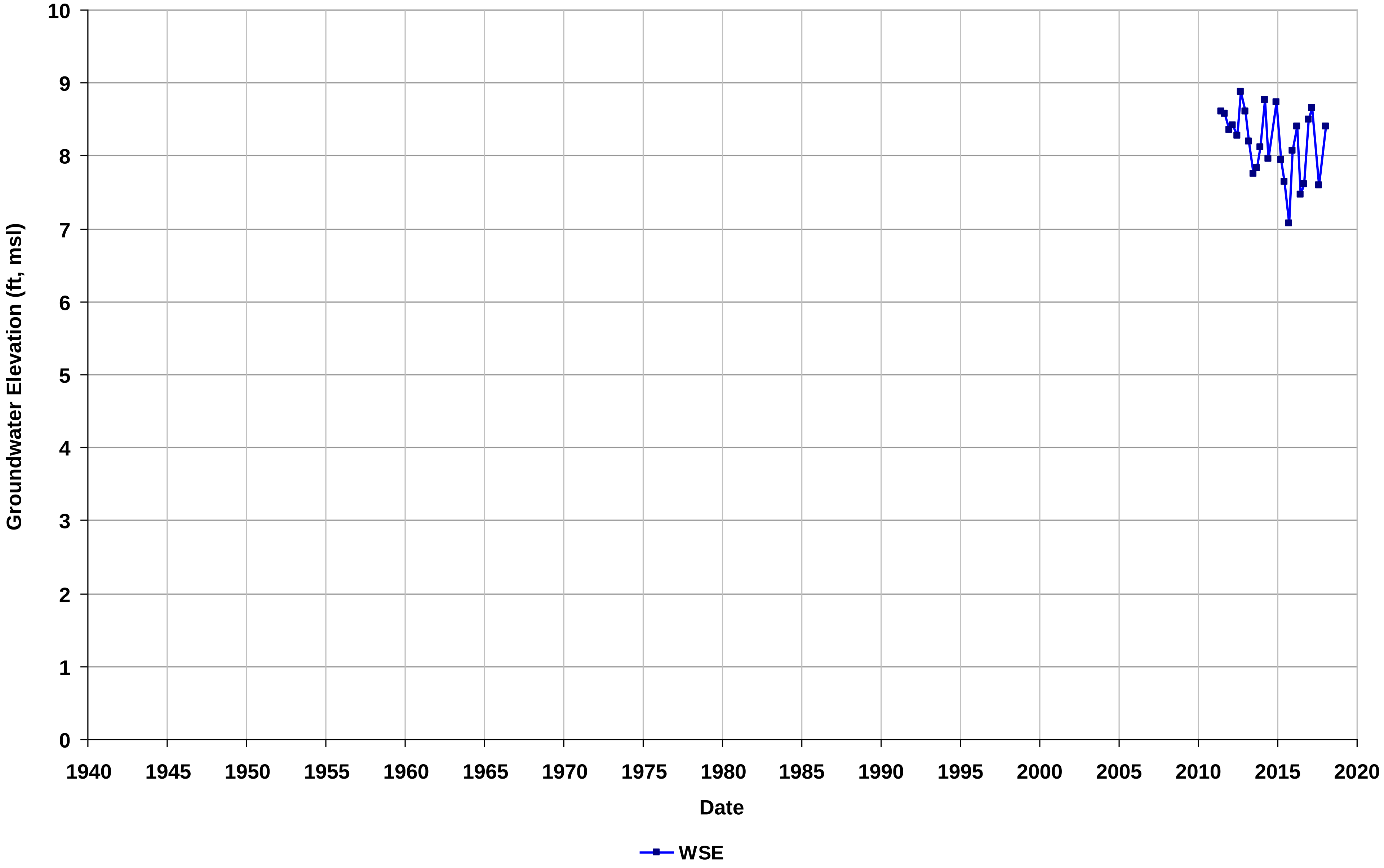
Well Name: T0600101476-MW-14
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/28
Well Use: Observation



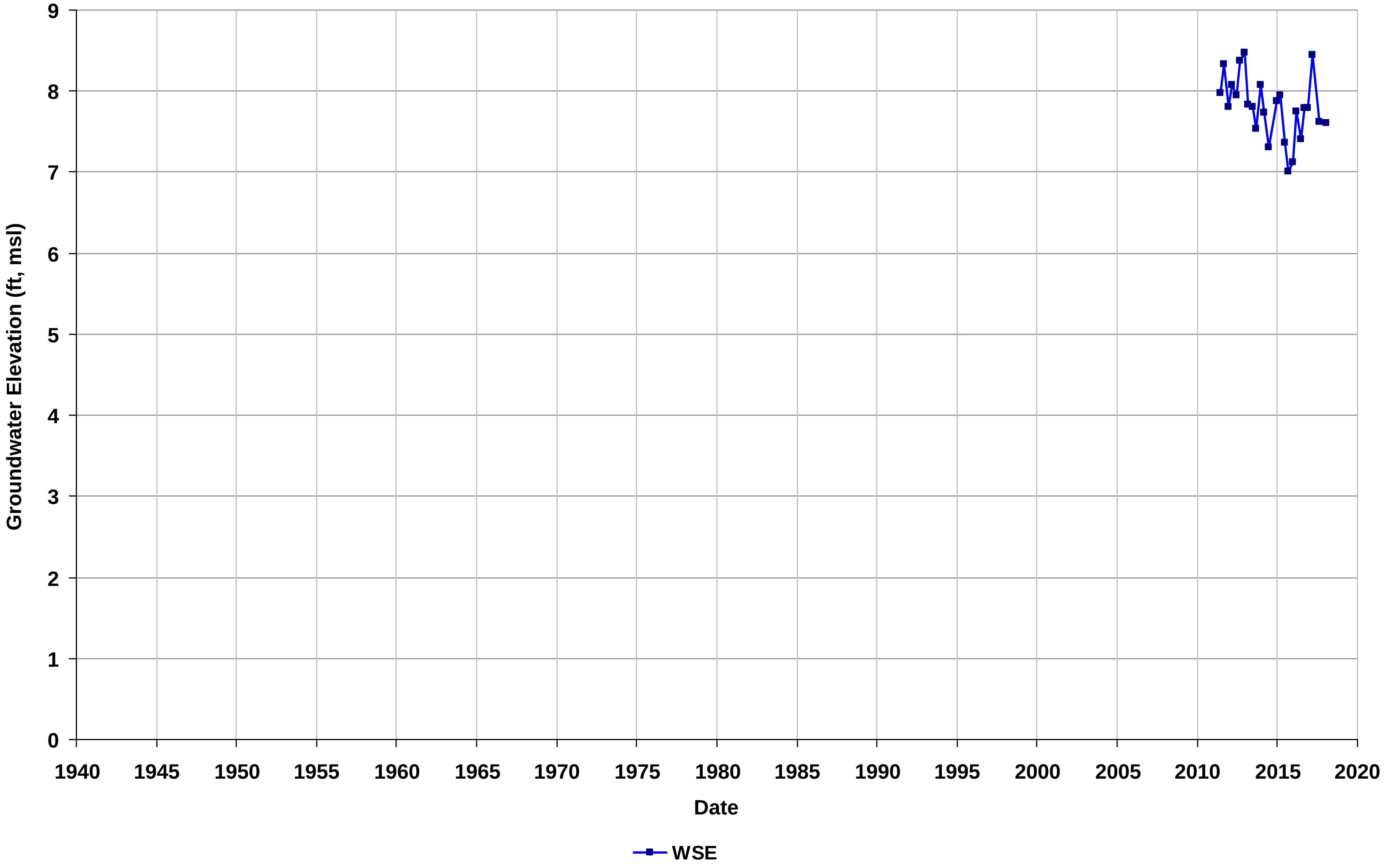
Well Name: T0600101476-MW-15
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/28
Well Use: Observation



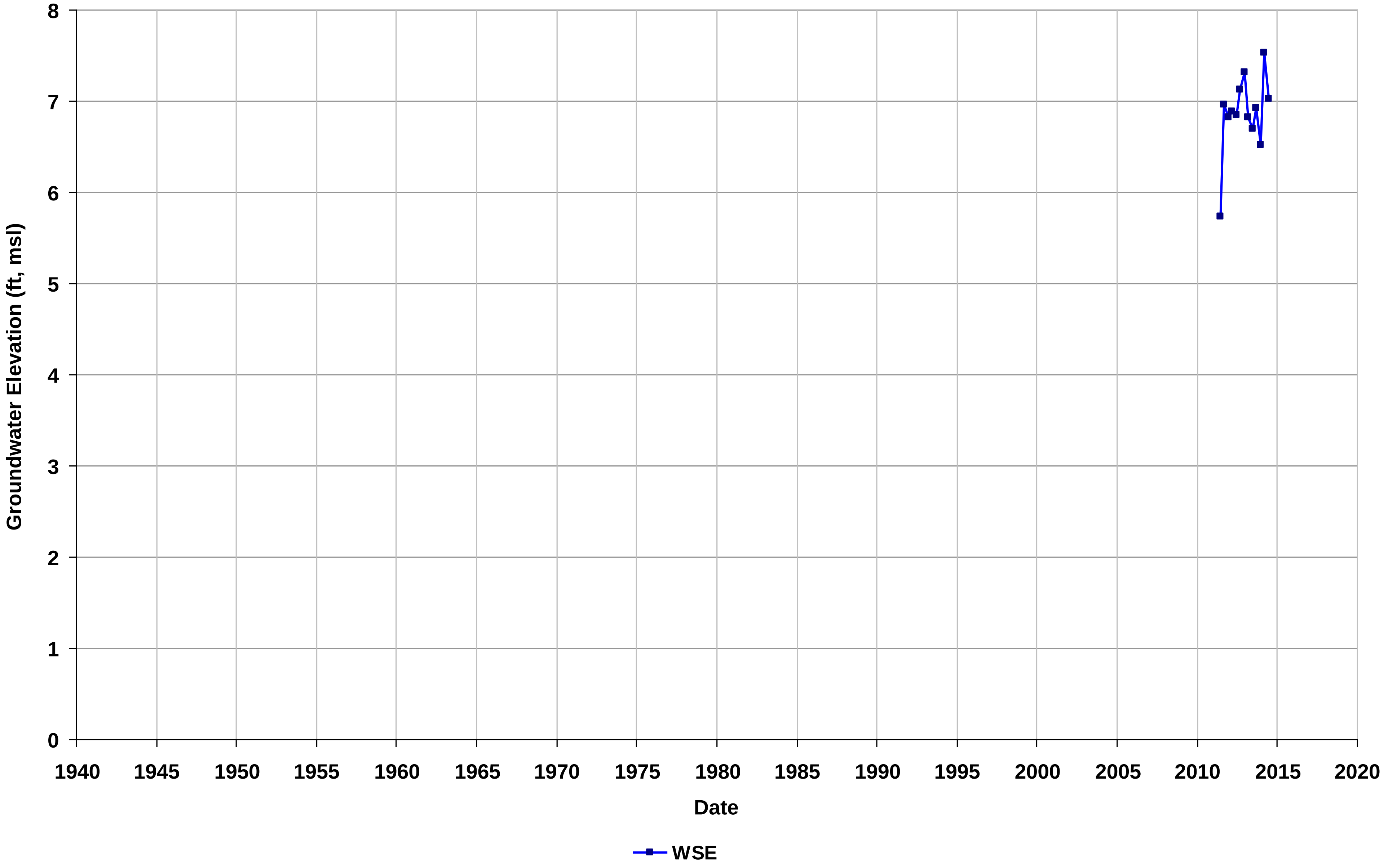
Well Name: T0600101476-MW-16
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/28
Well Use: Observation



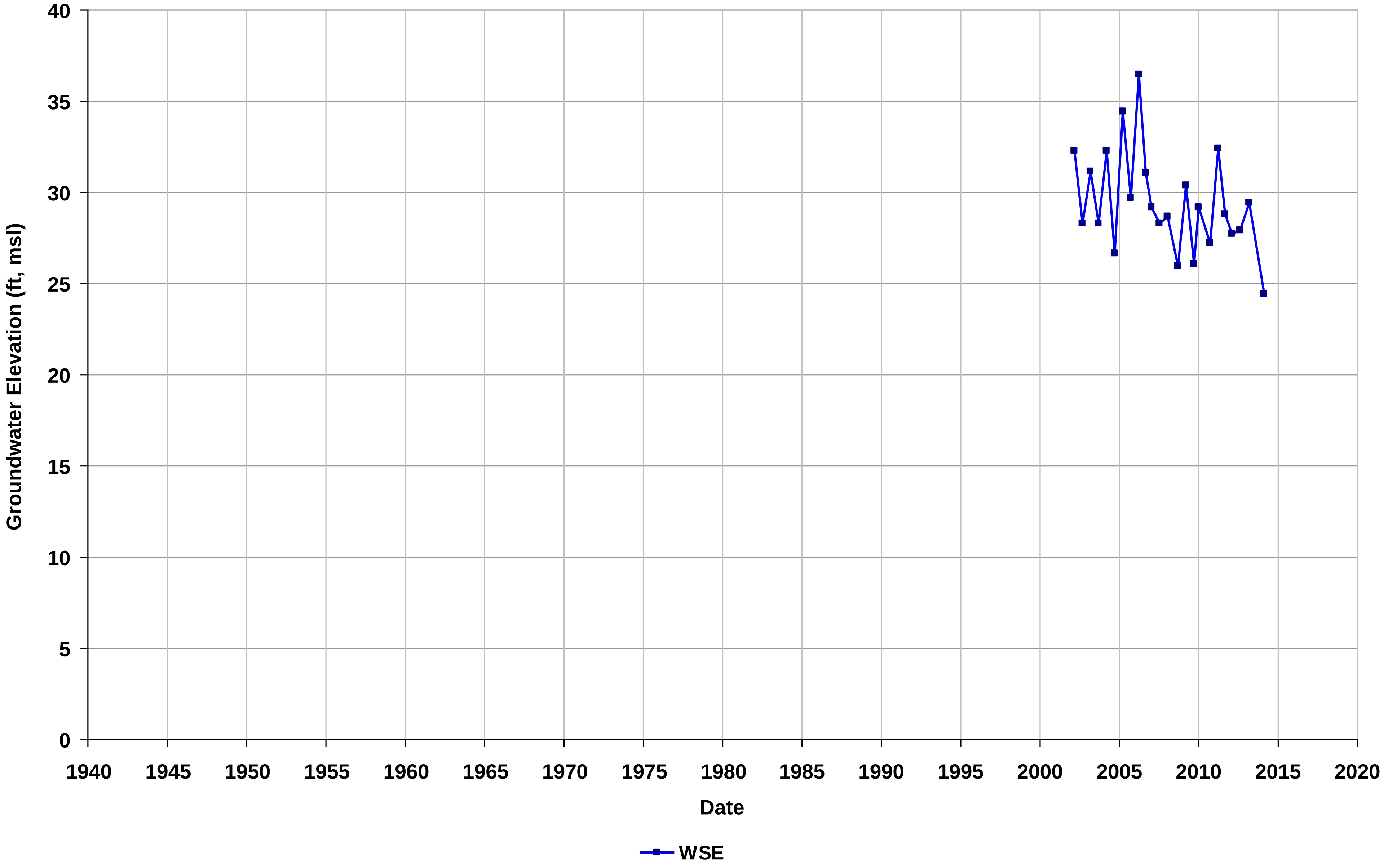
Well Name: T0600101476-MW-17
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/28
Well Use: Observation



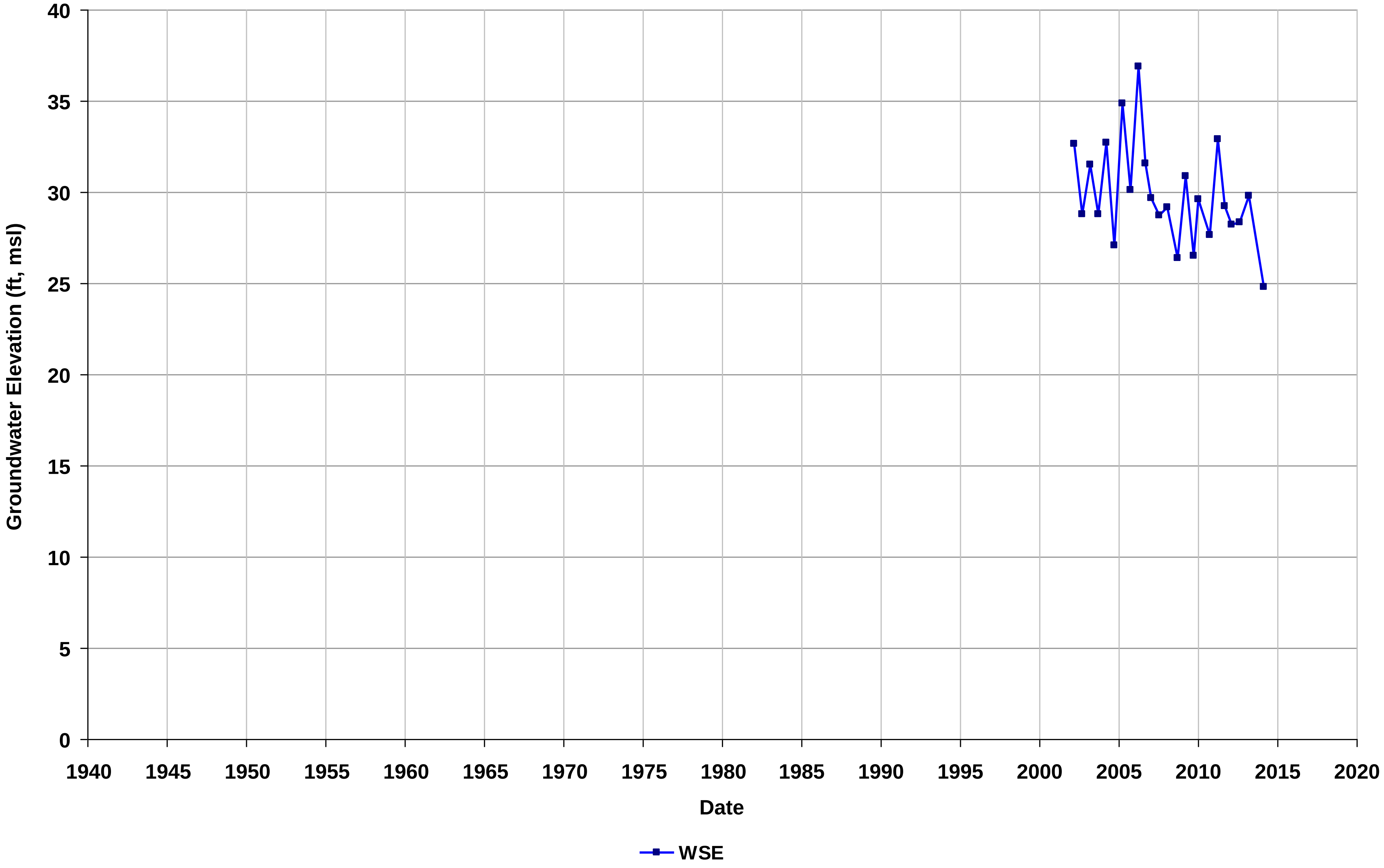
Well Name: T0600101479-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/26
Well Use: Observation



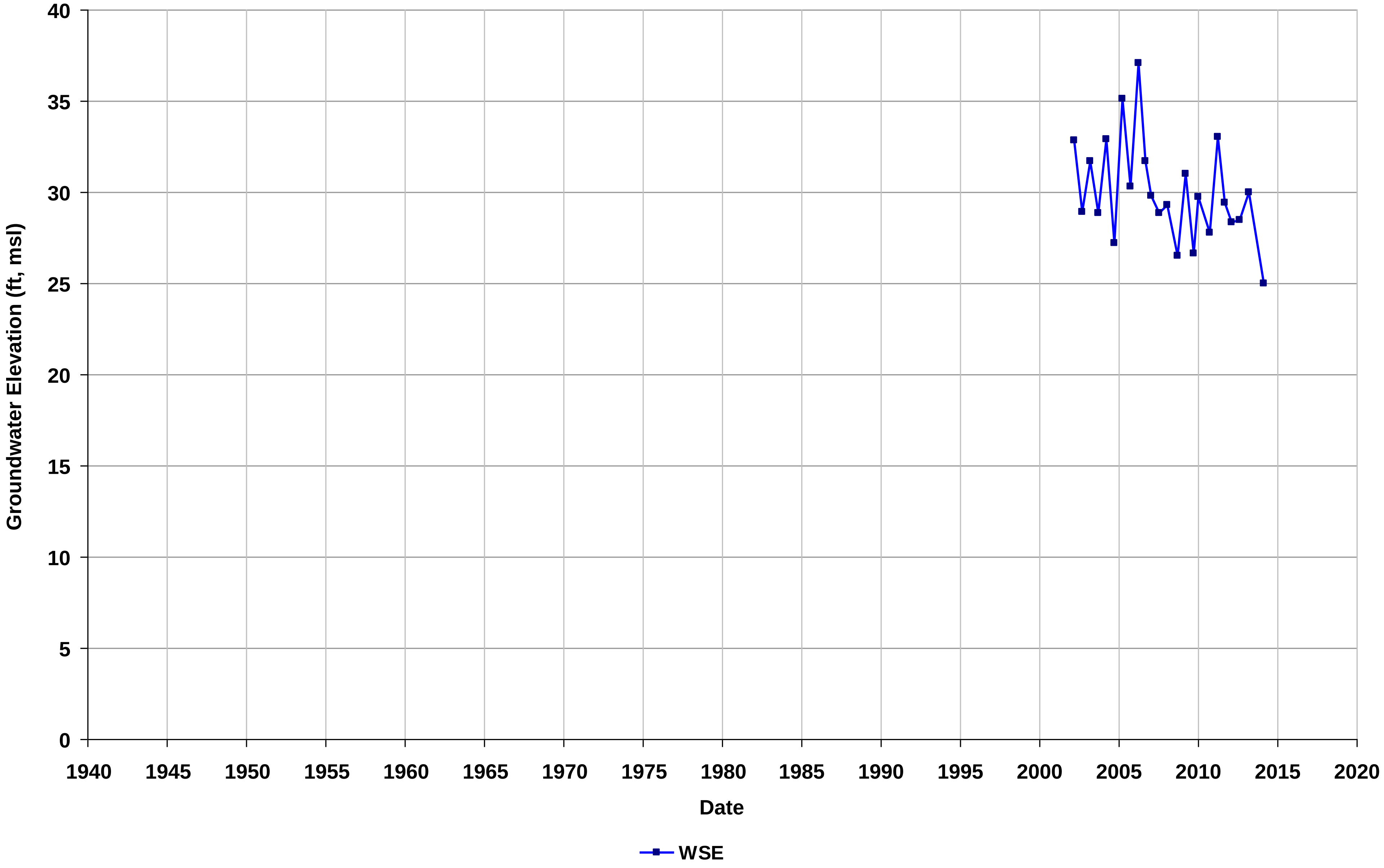
Well Name: T0600101479-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/25
Well Use: Observation



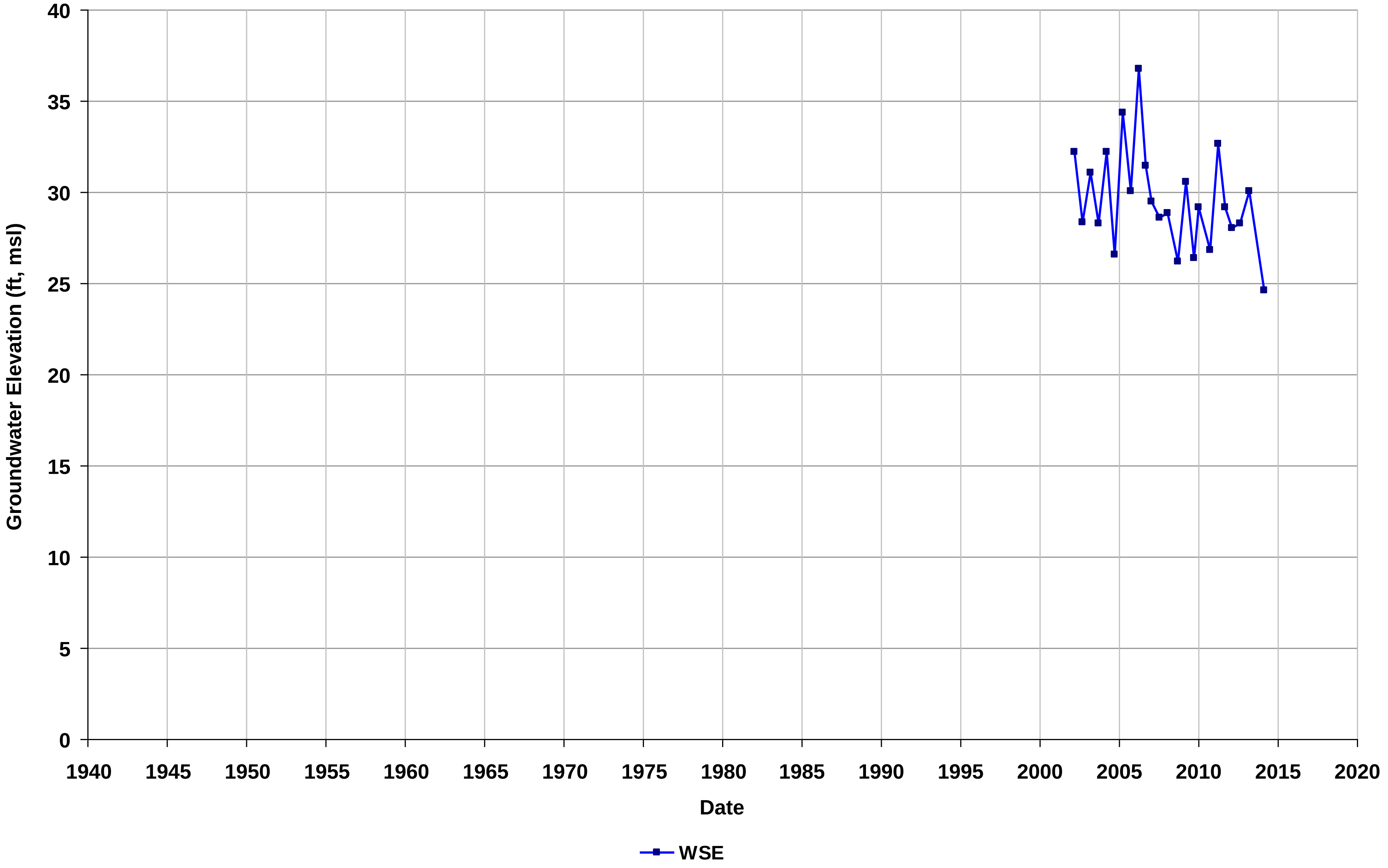
Well Name: T0600101479-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/26
Well Use: Observation



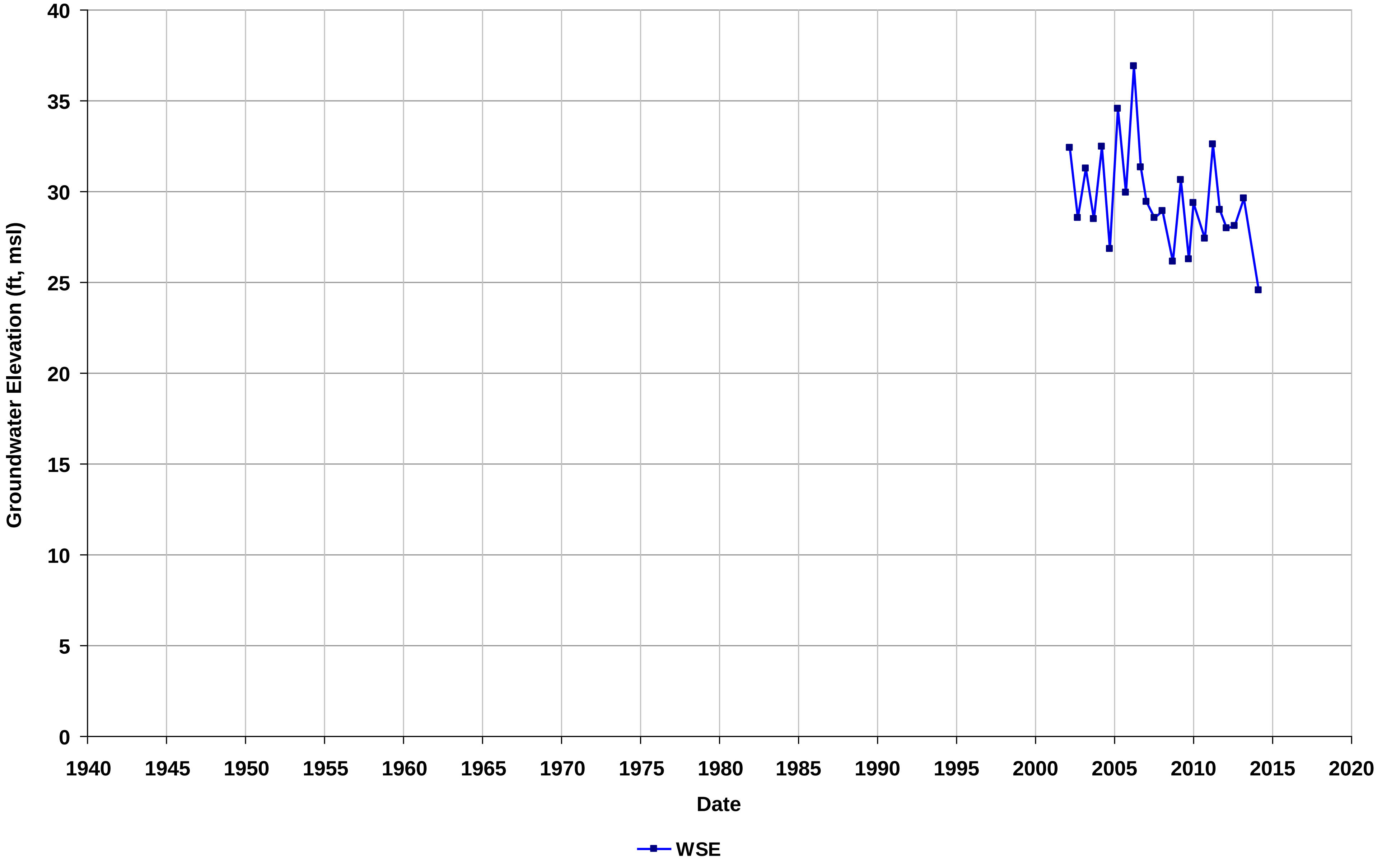
Well Name: T0600101479-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/25
Well Use: Observation



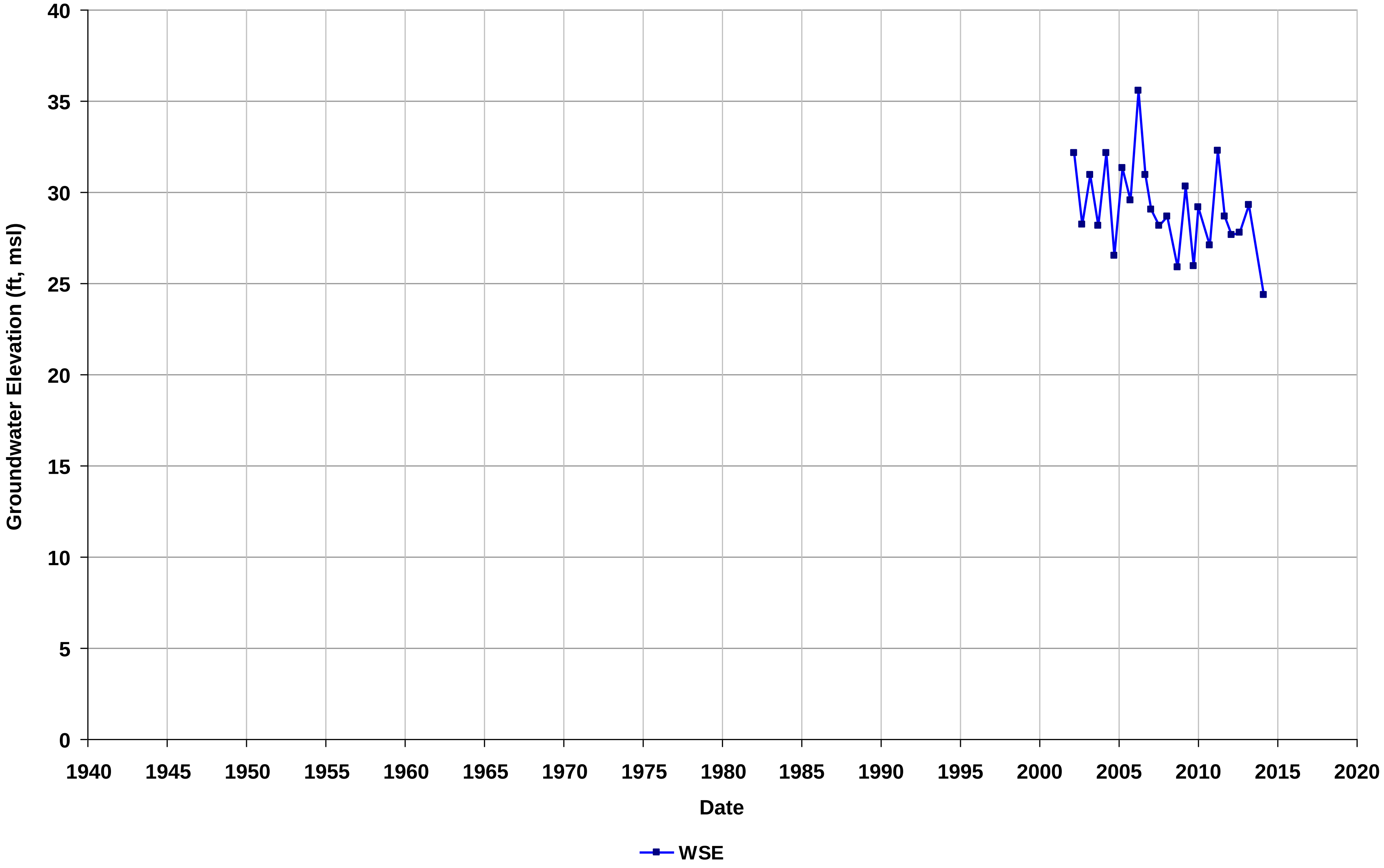
Well Name: T0600101479-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/25
Well Use: Observation



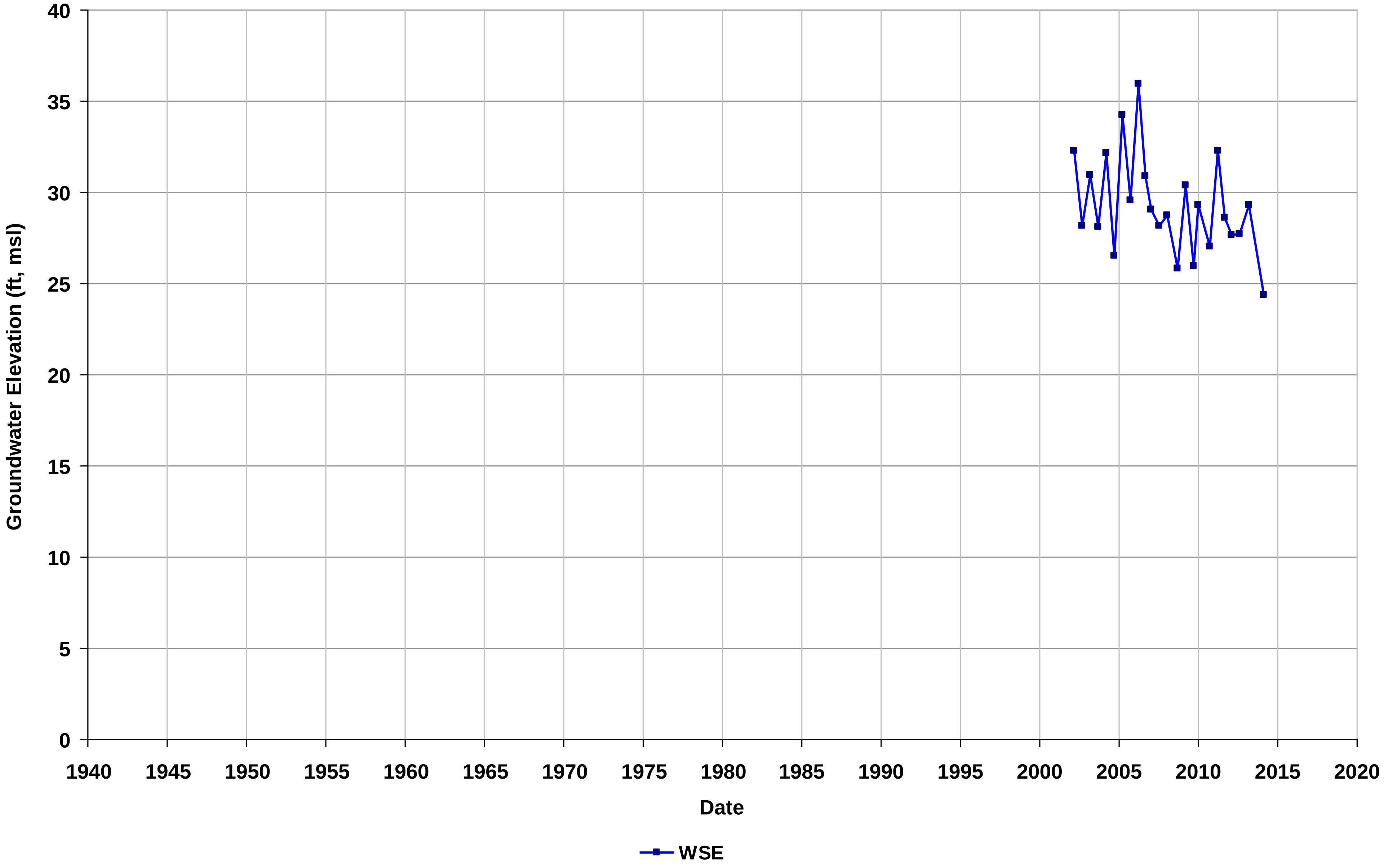
Well Name: T0600101479-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/26
Well Use: Observation



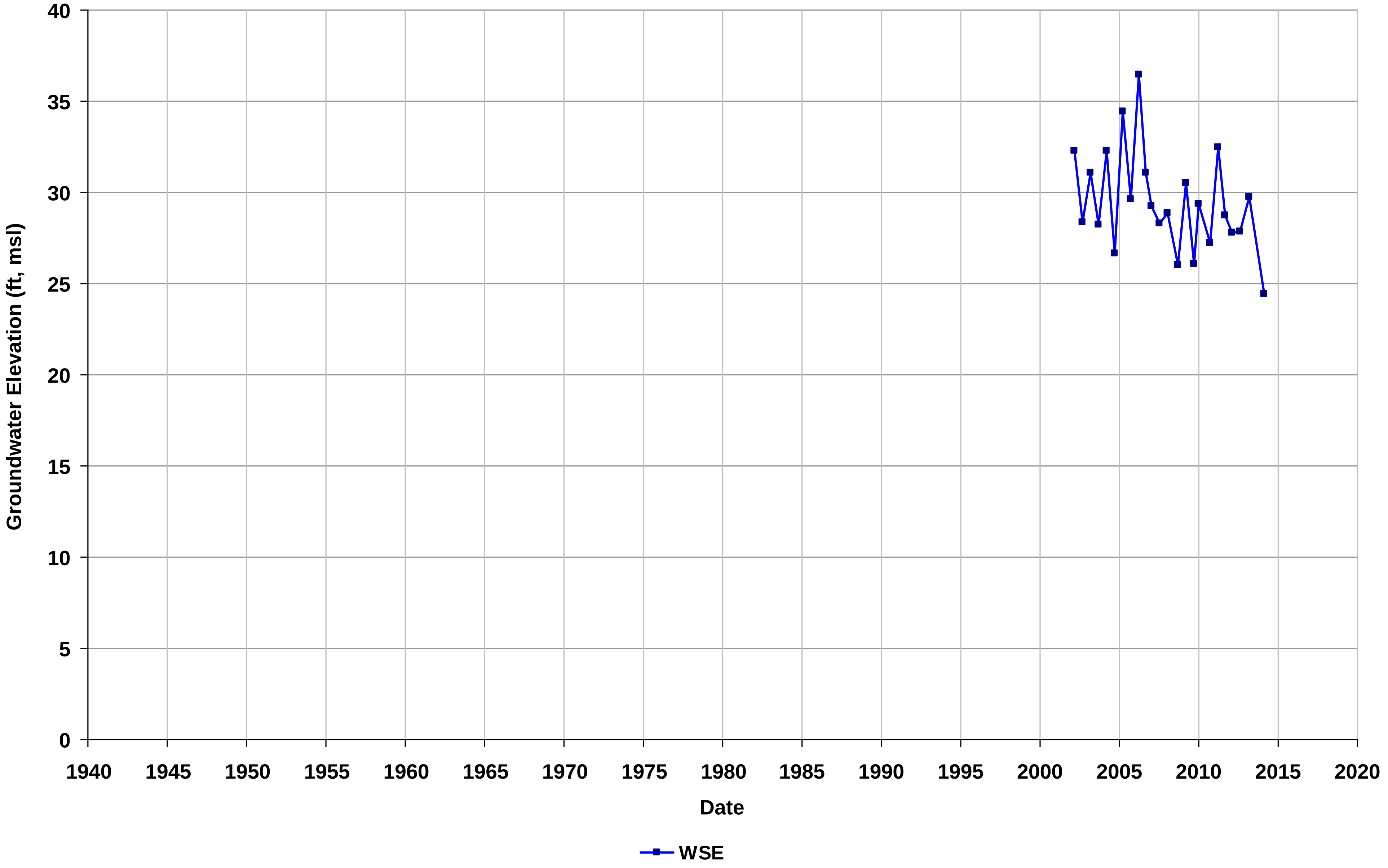
Well Name: T0600101479-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/26
Well Use: Observation



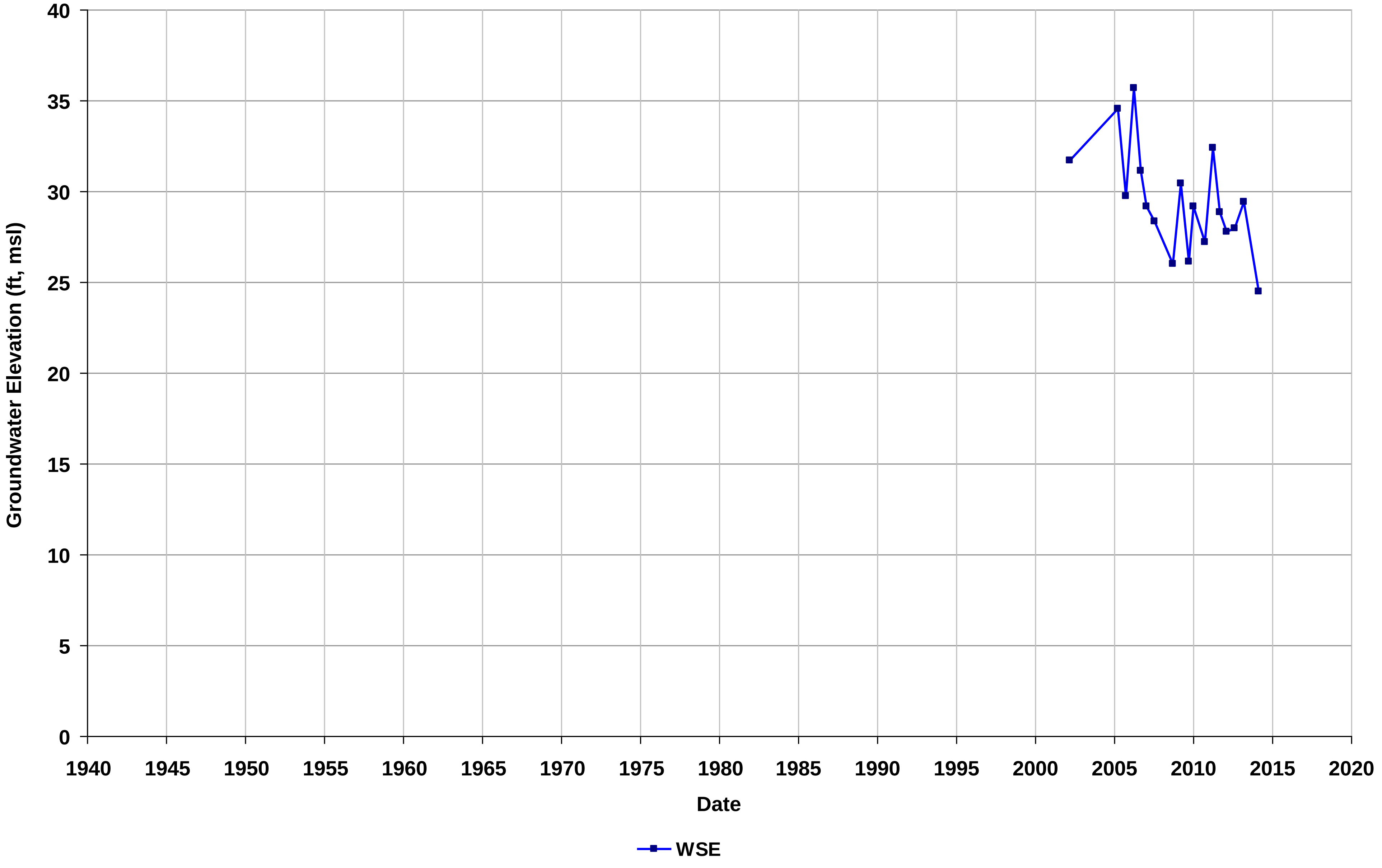
Well Name: T0600101479-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/26
Well Use: Observation



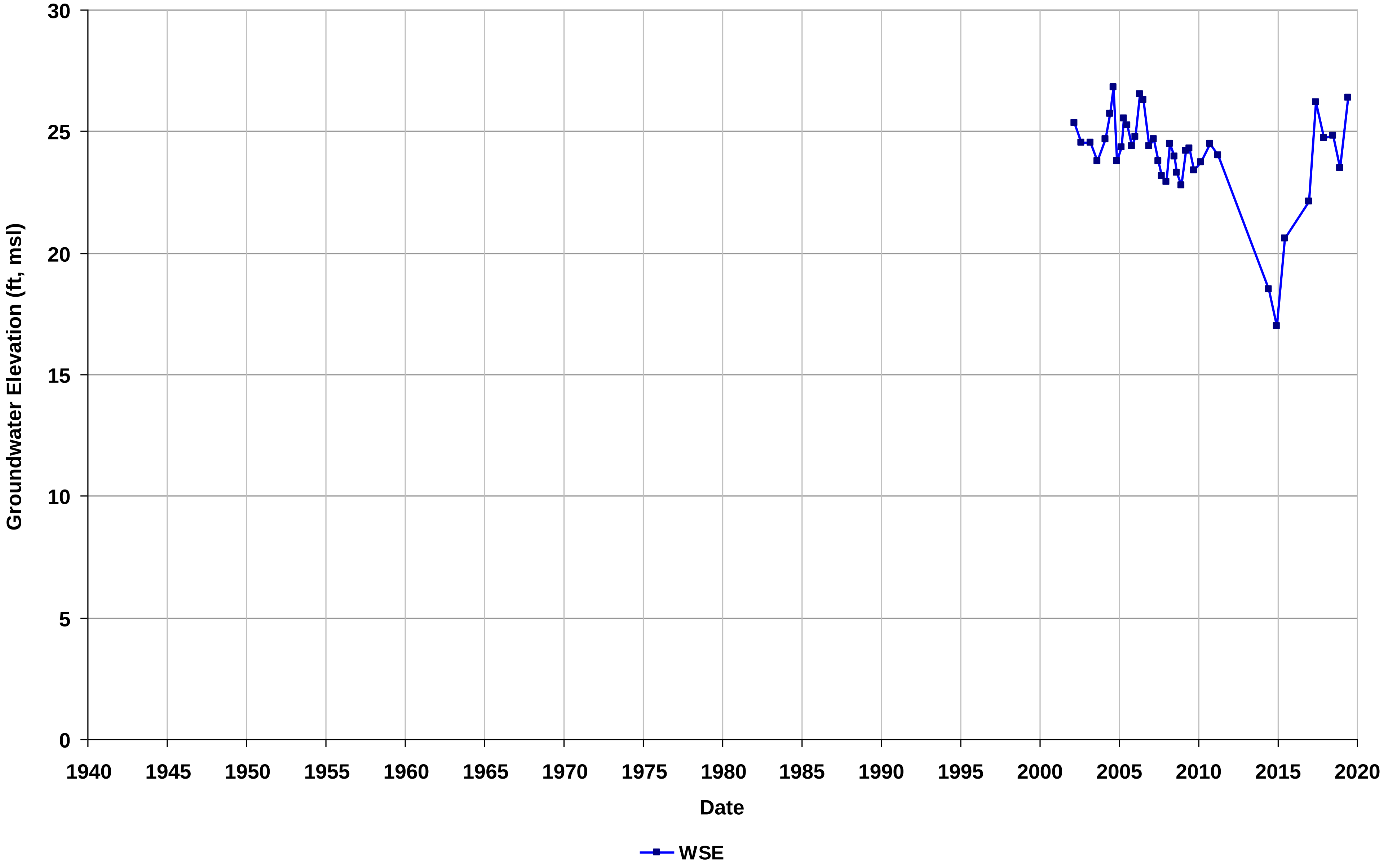
Well Name: T0600101479-MW-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/26
Well Use: Observation



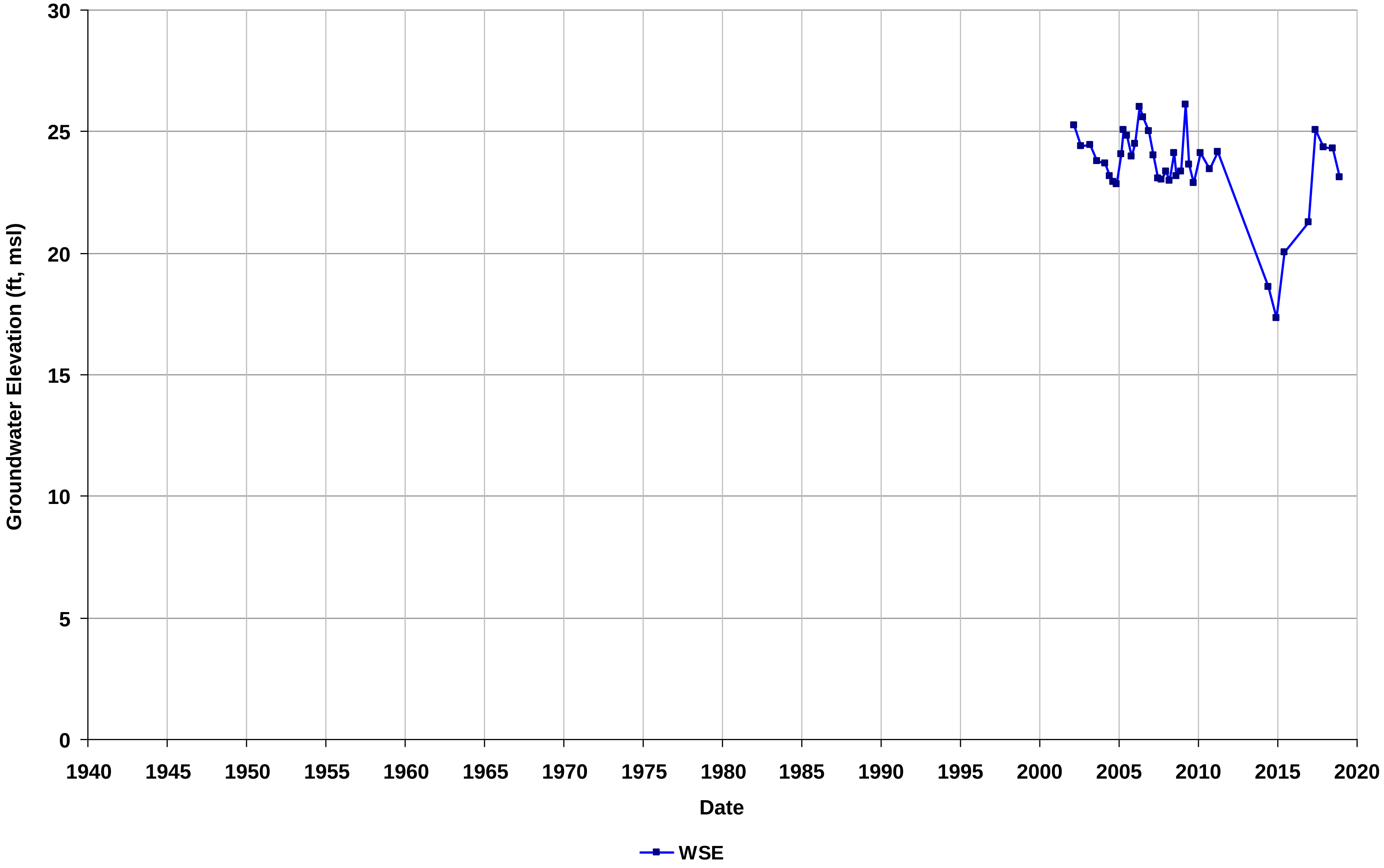
Well Name: T0600101480-MW16
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



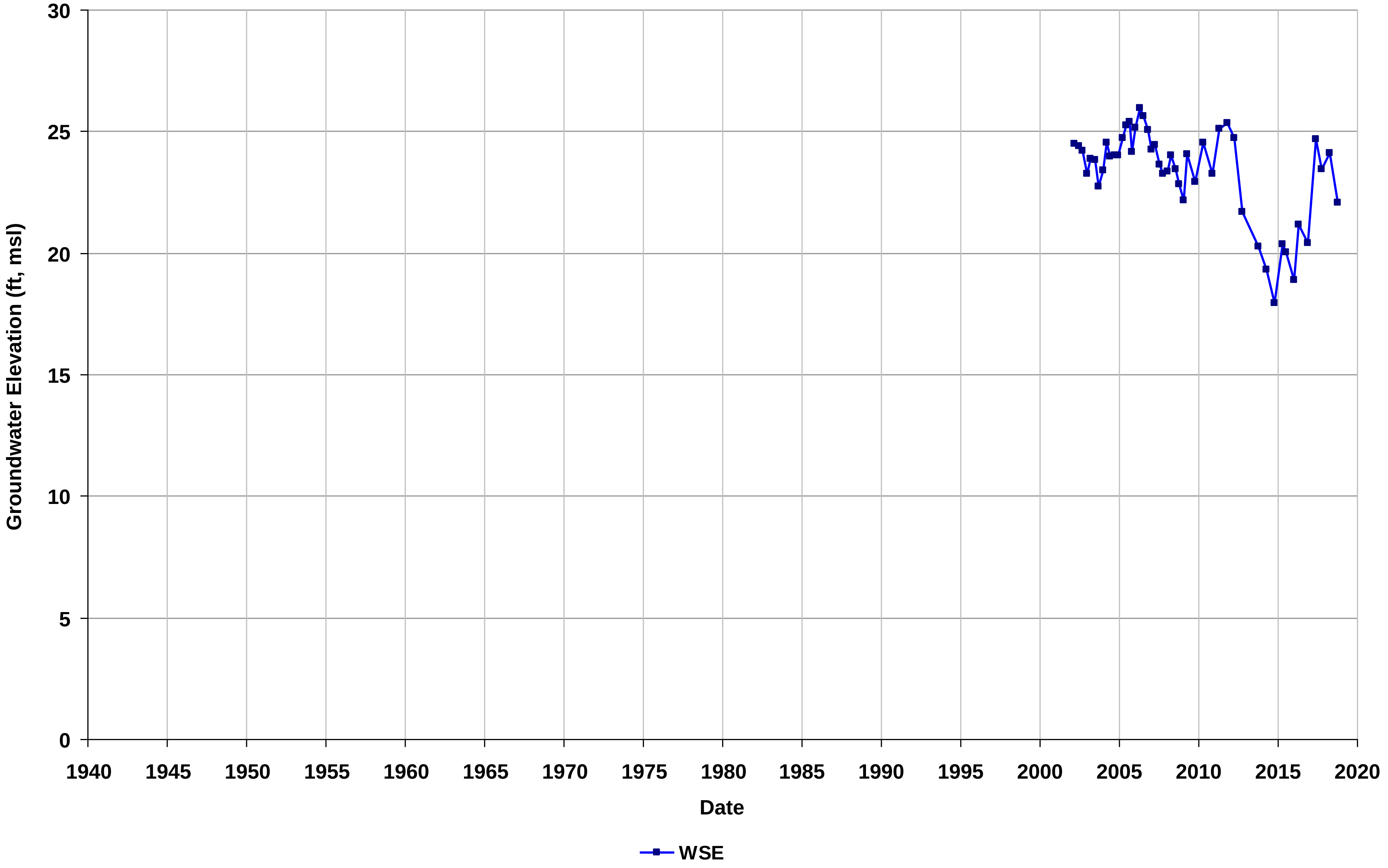
Well Name: T0600101480-MW-20
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



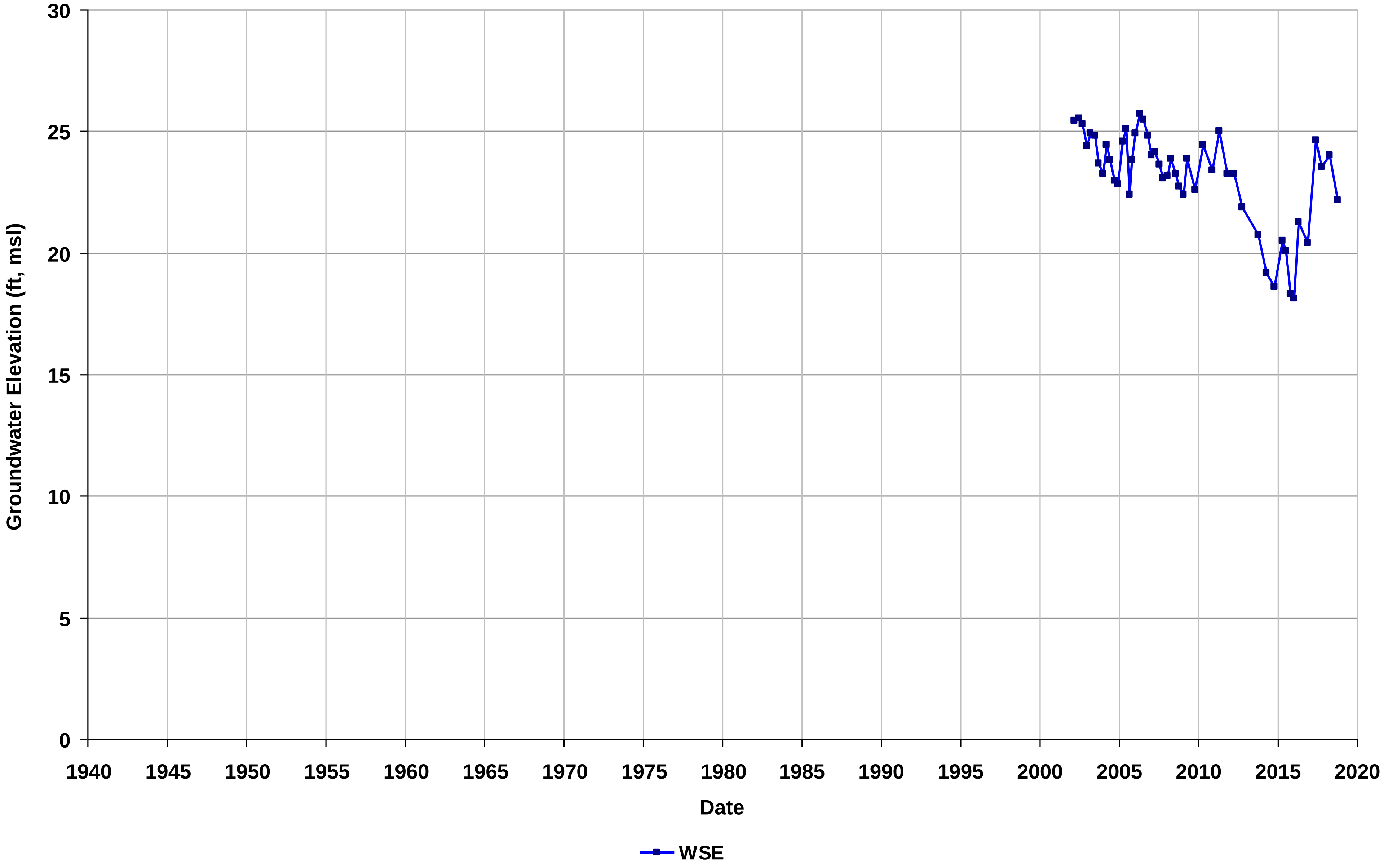
Well Name: T0600101482-EX-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



Well Name: T0600101482-MW-10
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation

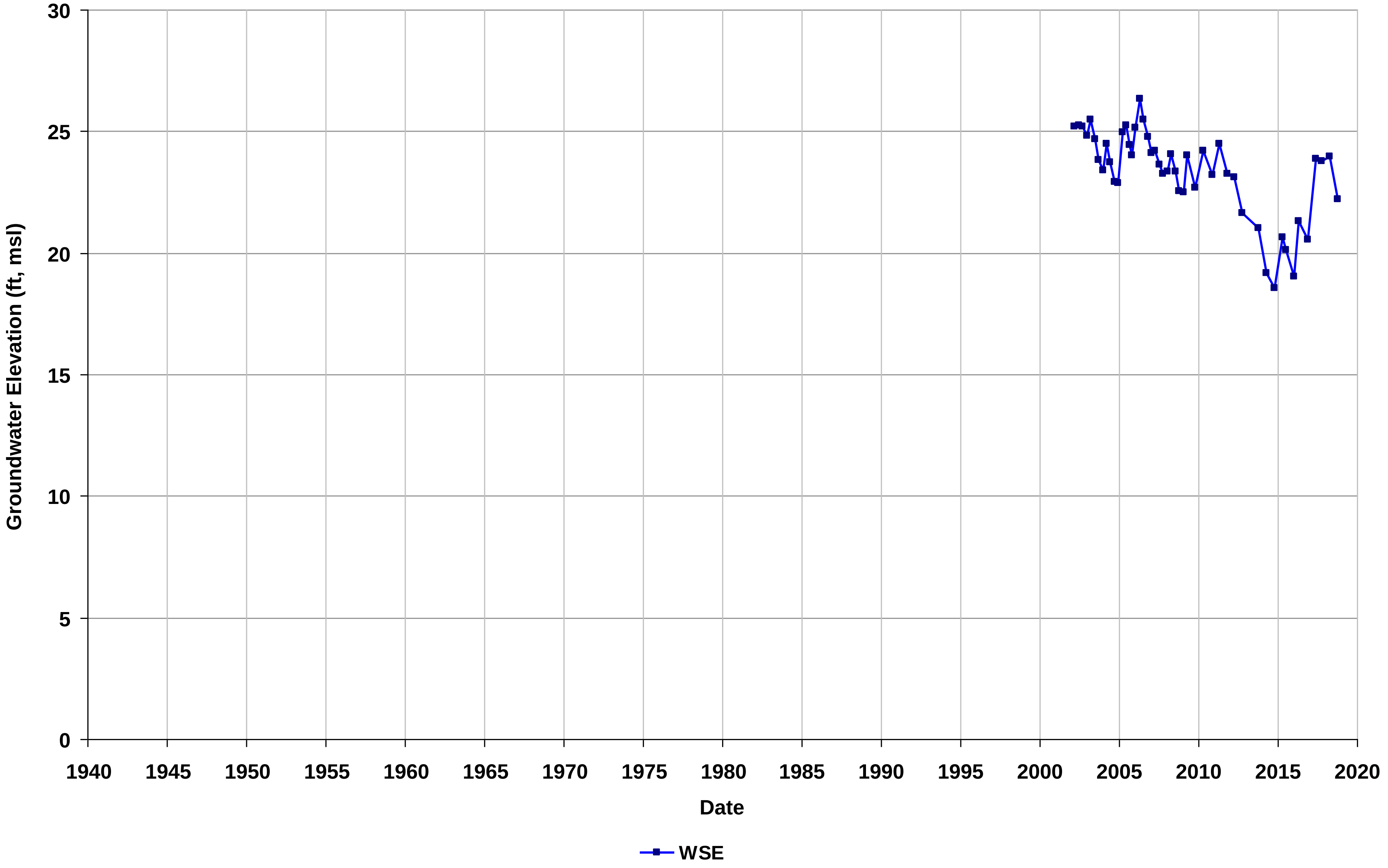


Well Name: T0600101482-MW-11
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation

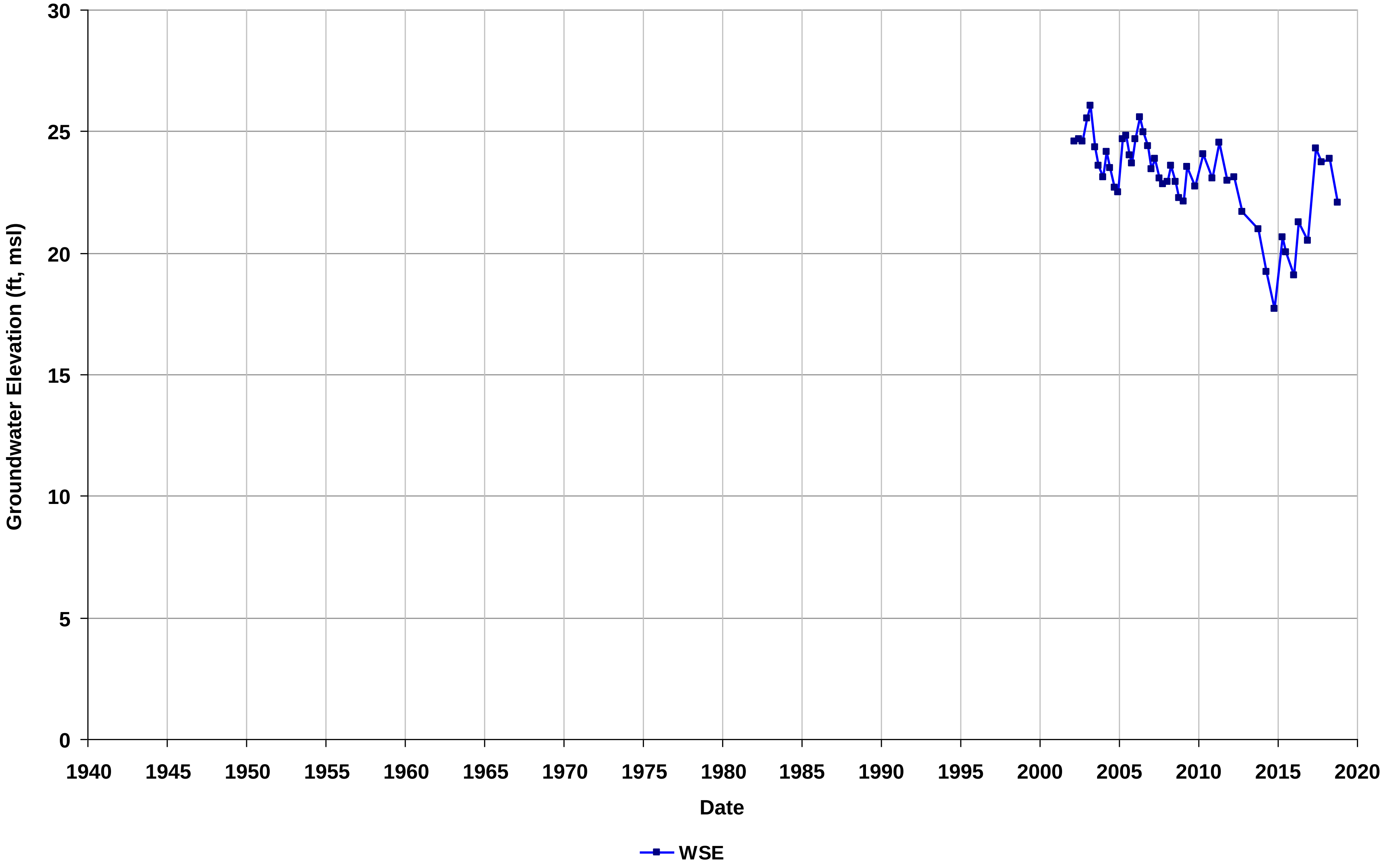
Well Name: T0600101482-MW-14
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



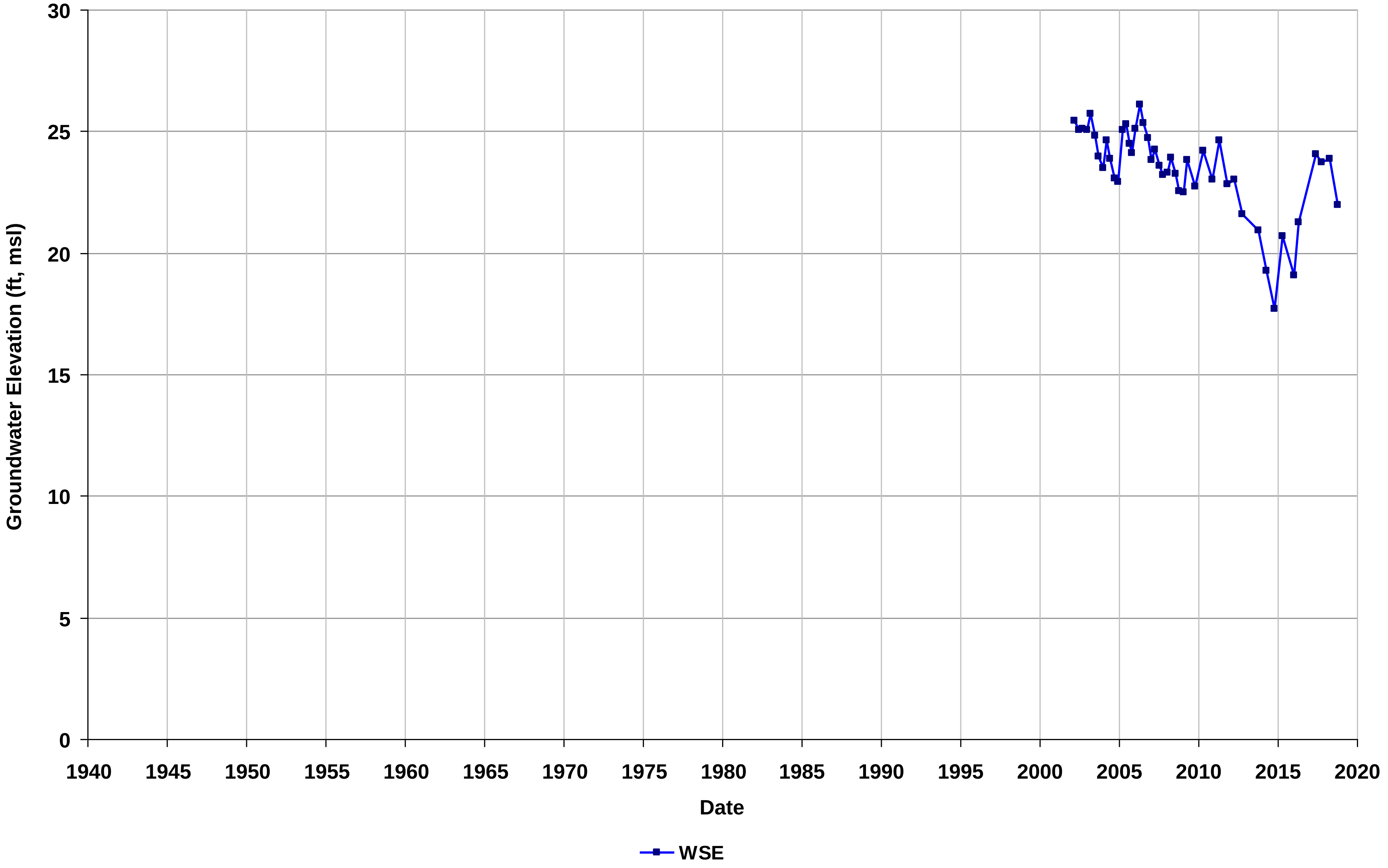
Well Name: T0600101482-MW-15
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



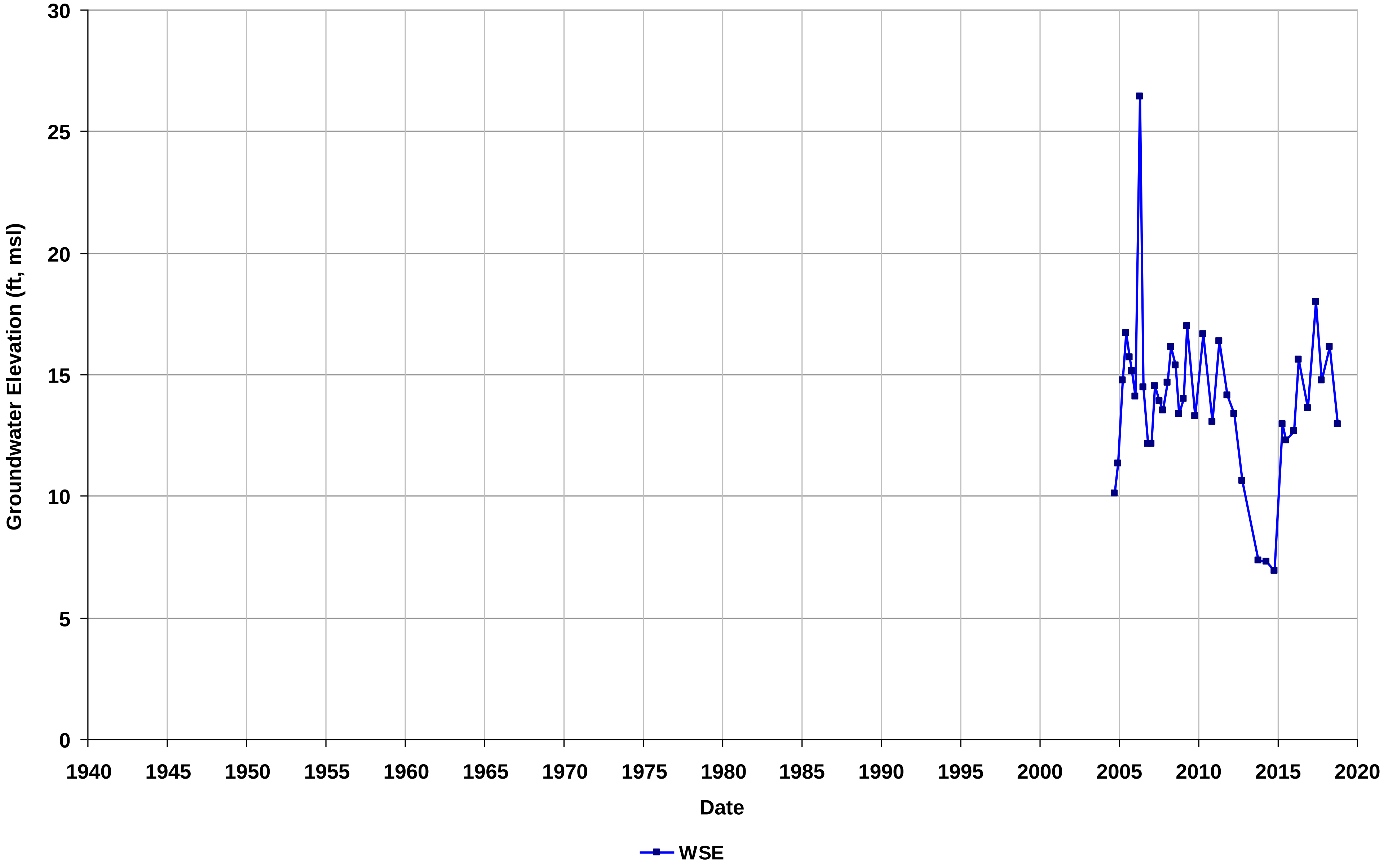
Well Name: T0600101482-MW-16
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



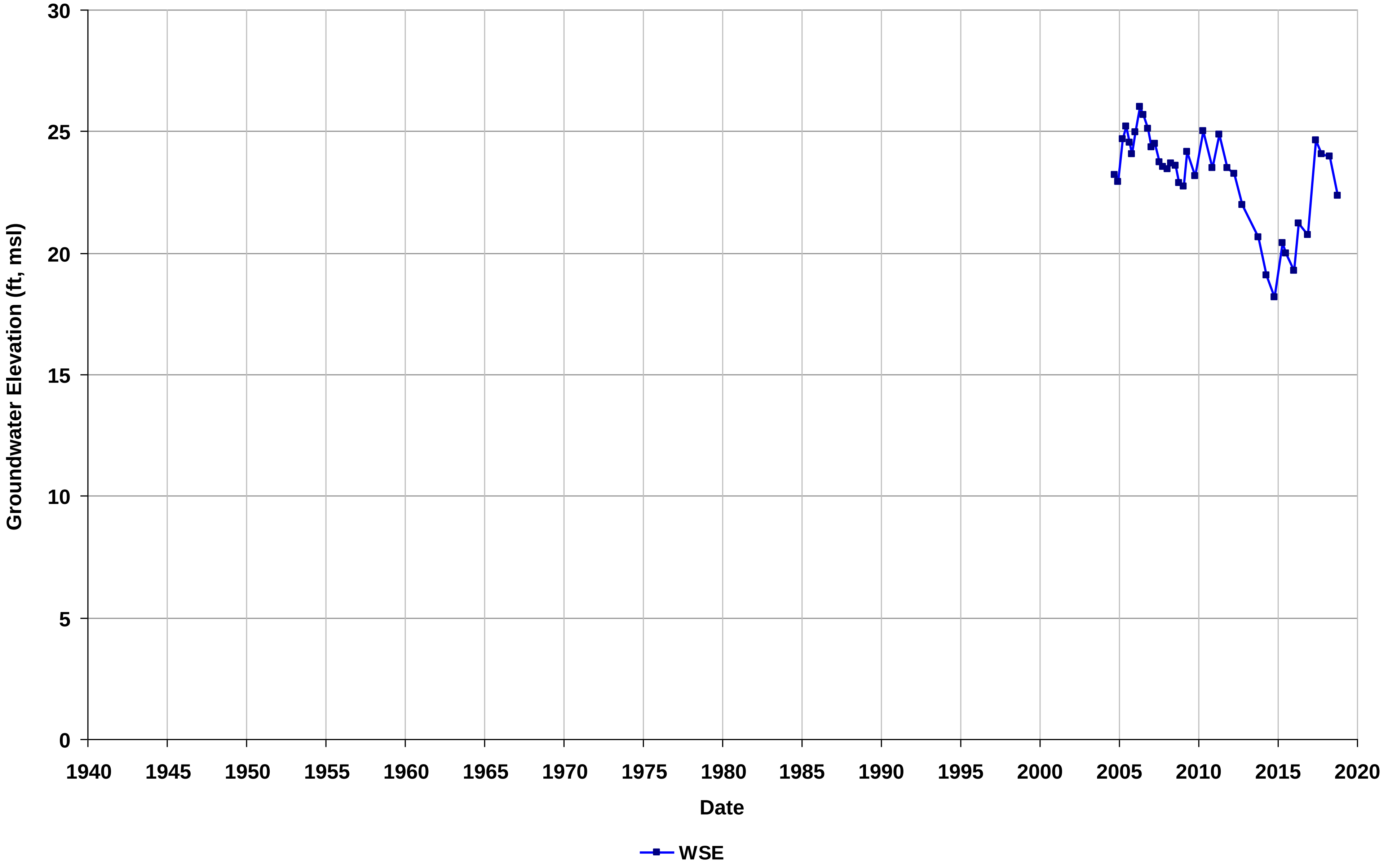
Well Name: T0600101482-MW-17
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



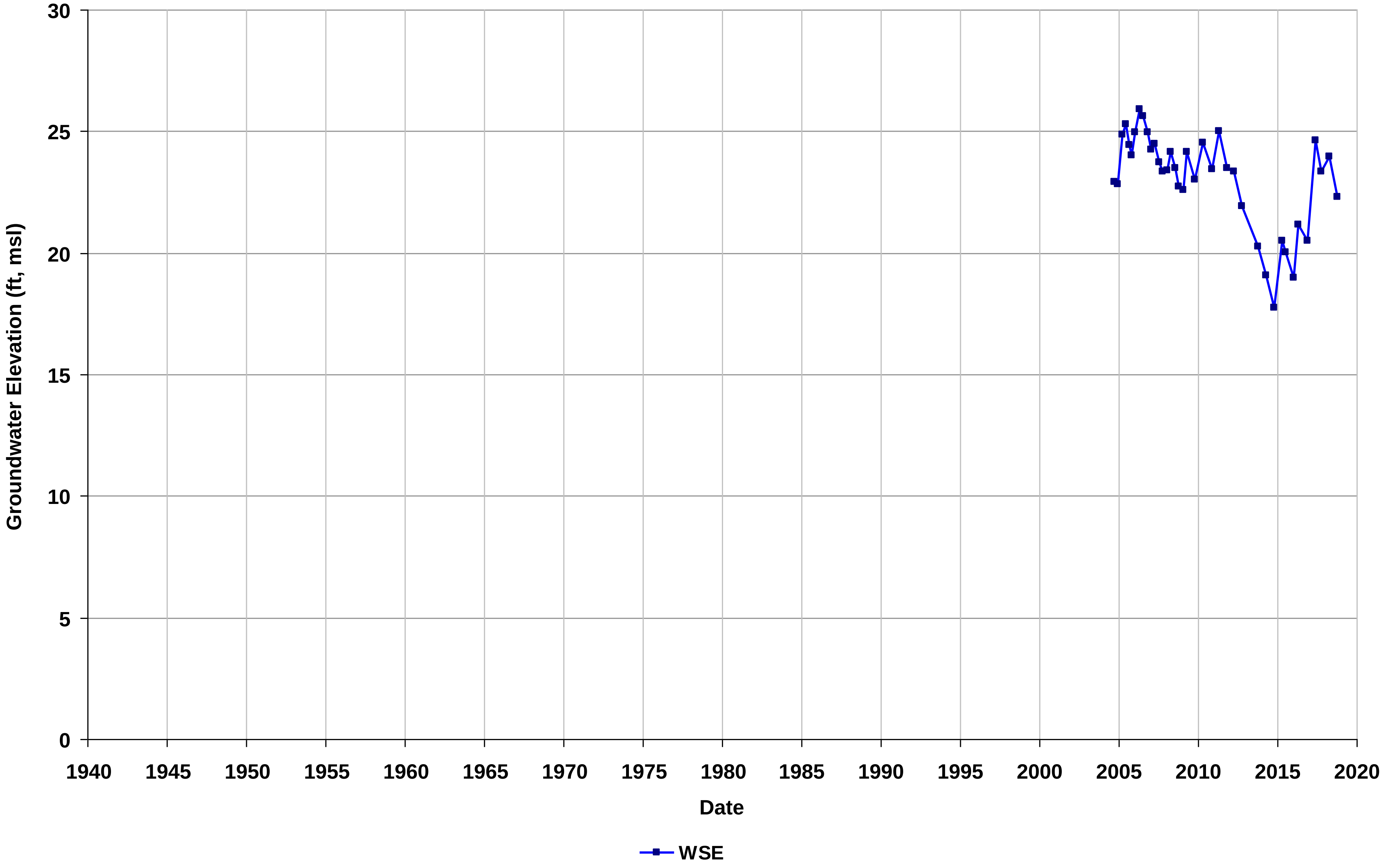
Well Name: T0600101482-MW-18
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



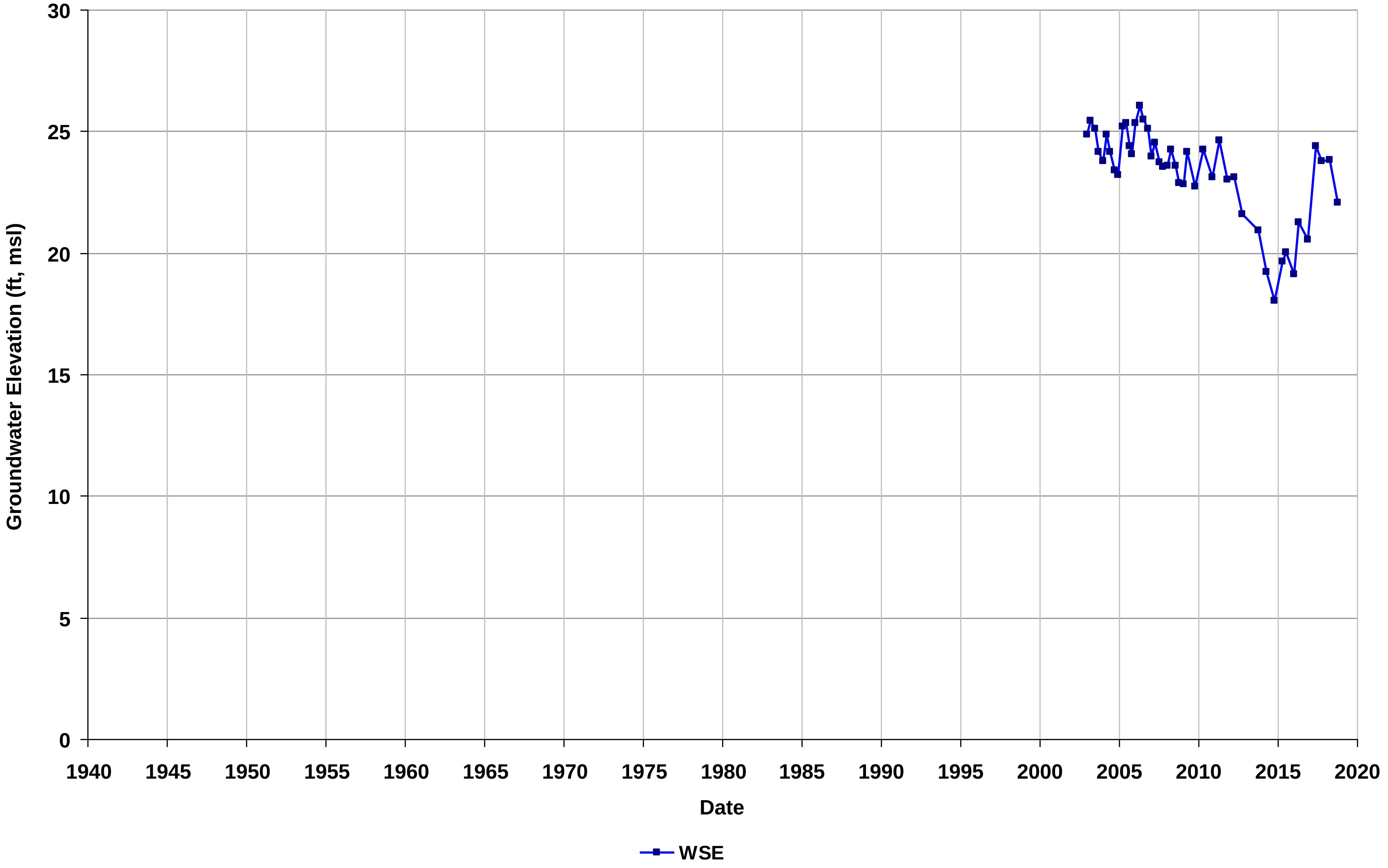
Well Name: T0600101482-MW-19
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



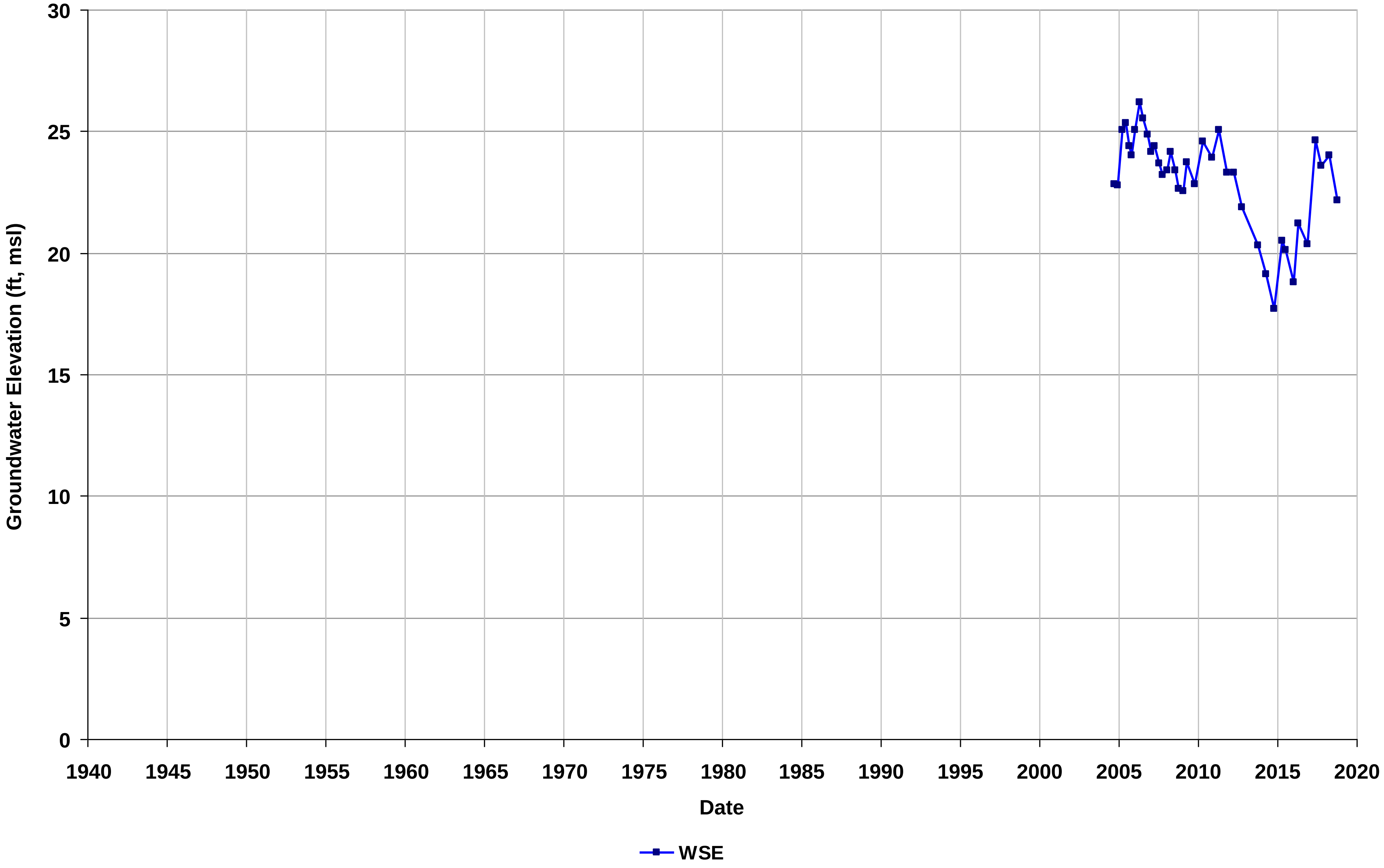
Well Name: T0600101482-MW-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



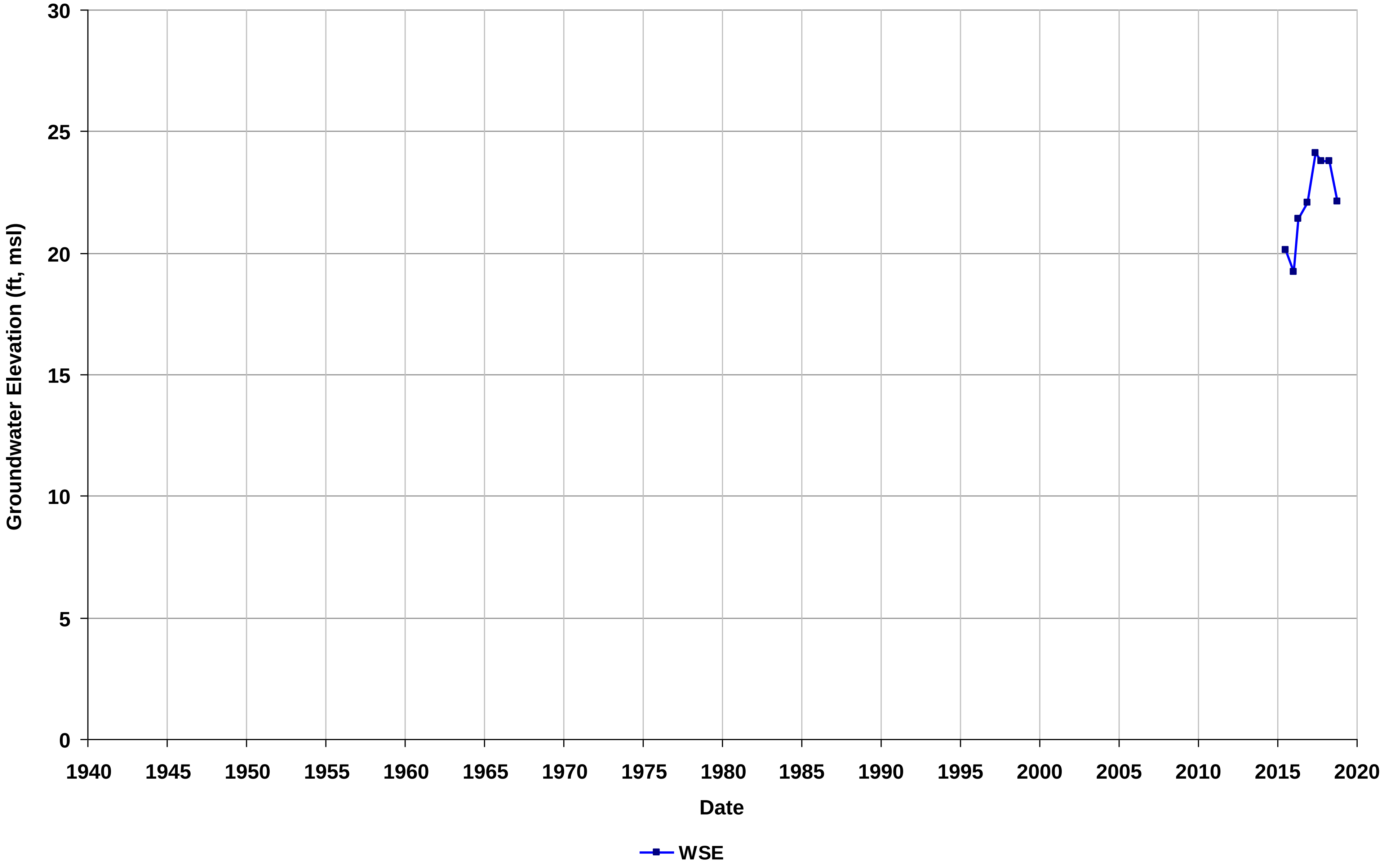
Well Name: T0600101482-MW-20
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



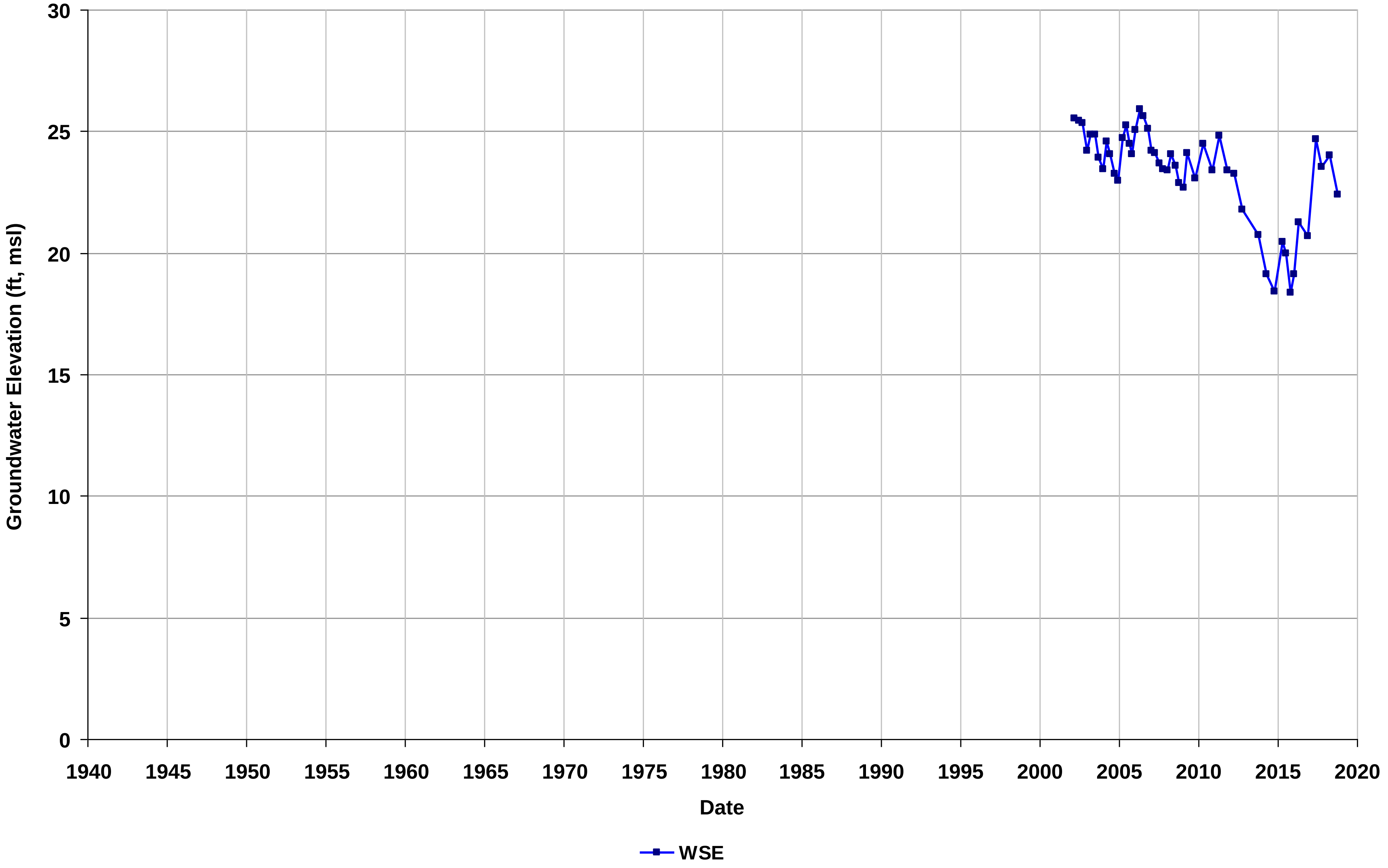
Well Name: T0600101482-MW-24
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



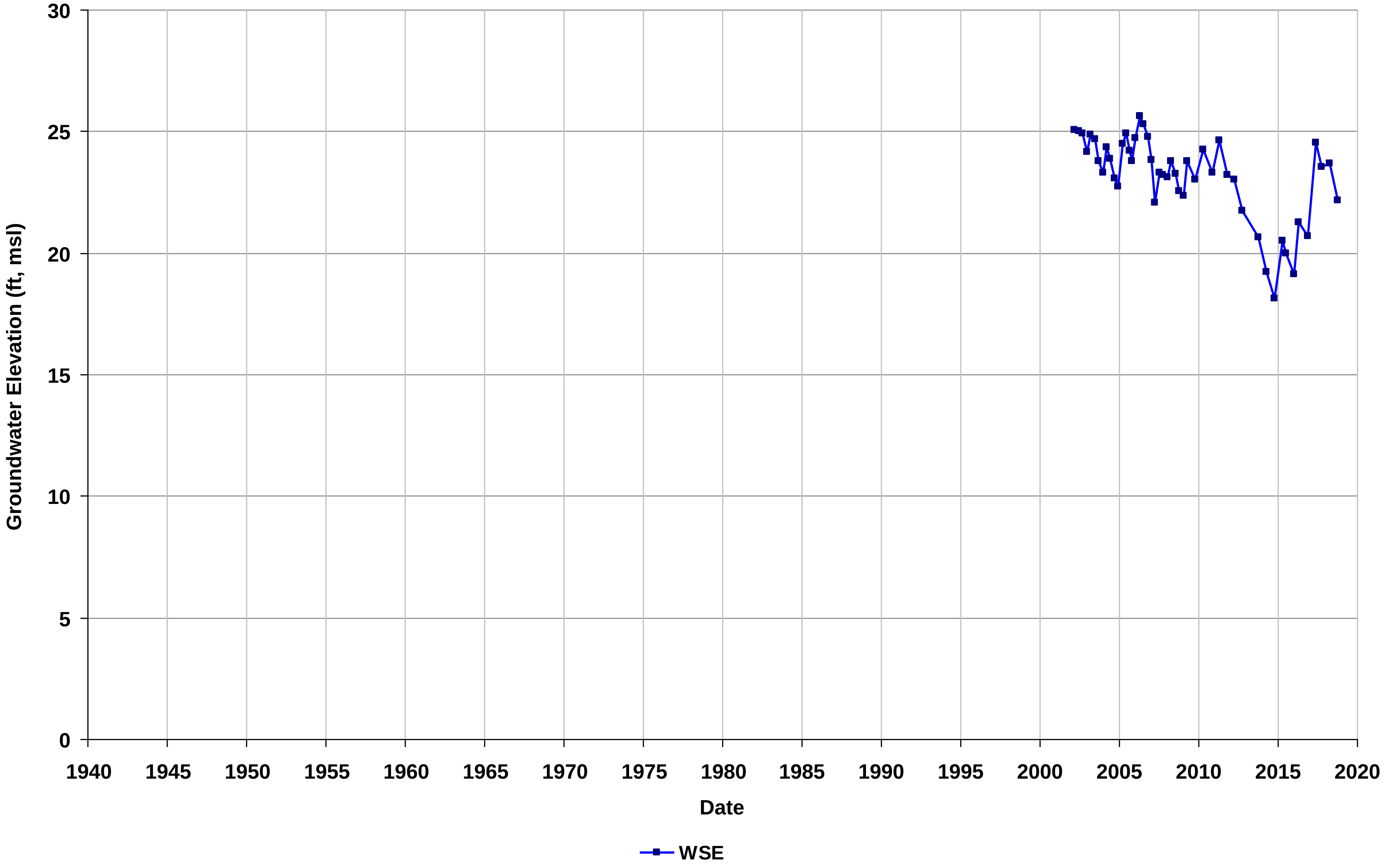
Well Name: T0600101482-MW-5
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



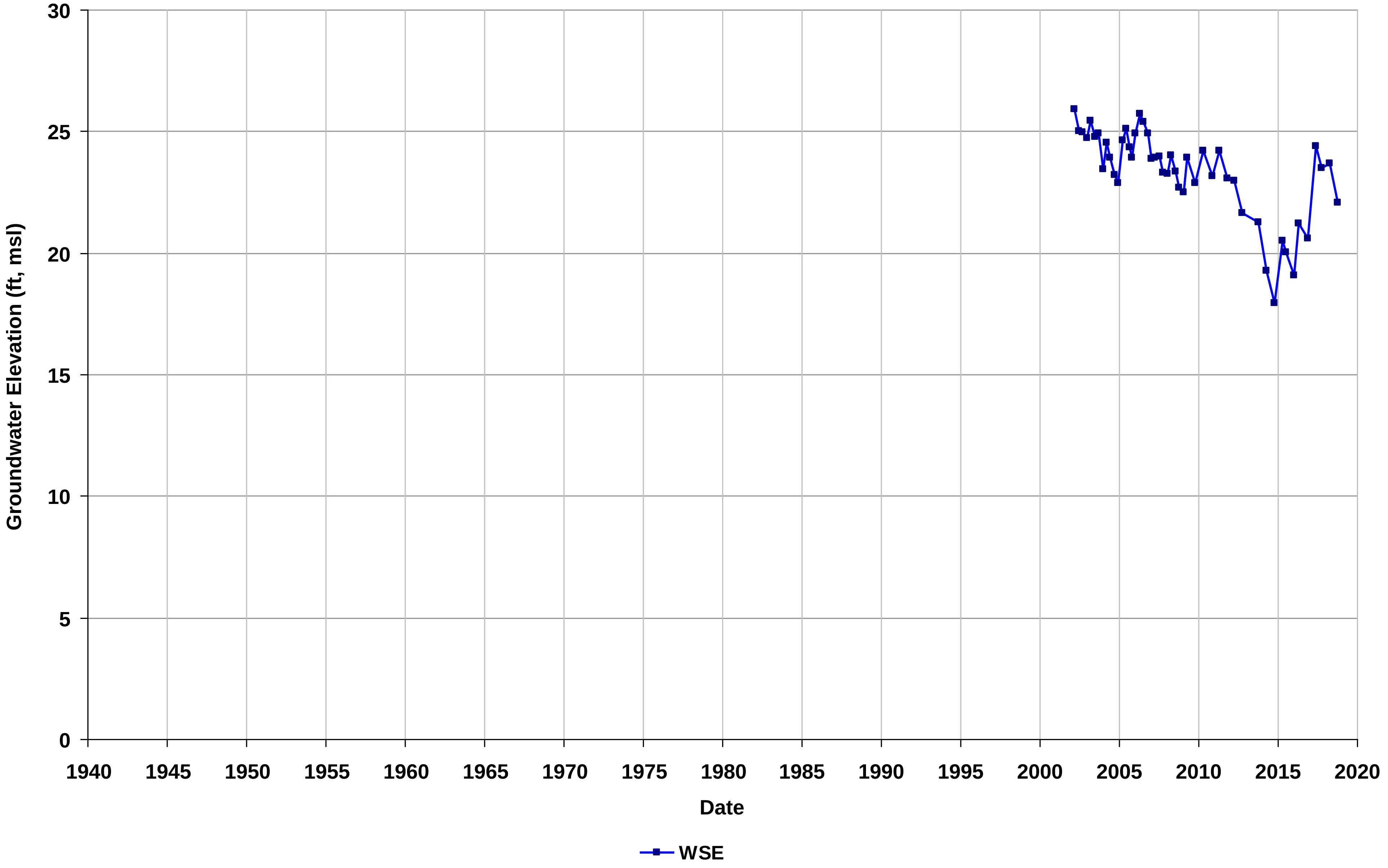
Well Name: T0600101482-MW-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



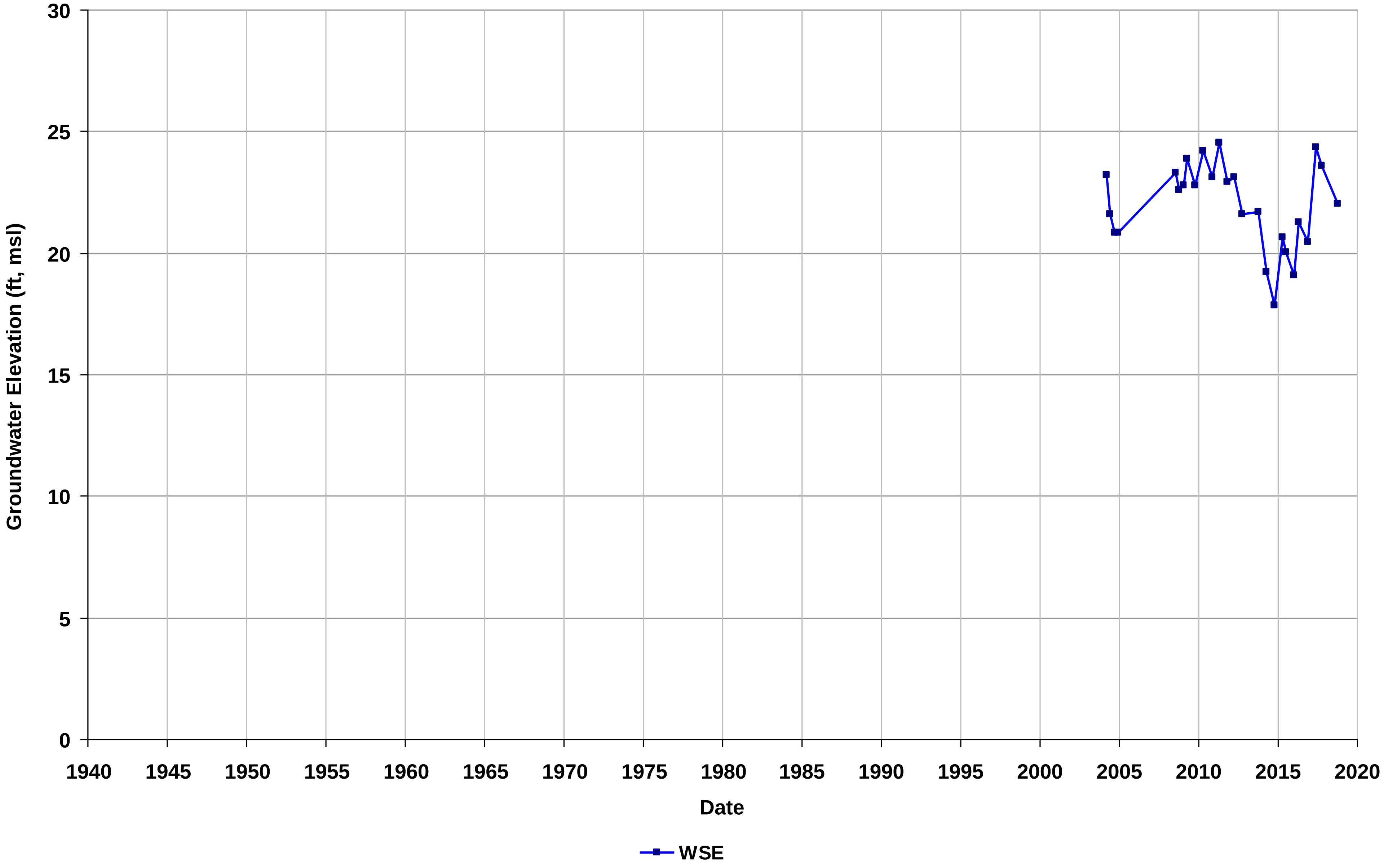
Well Name: T0600101482-MW-8
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



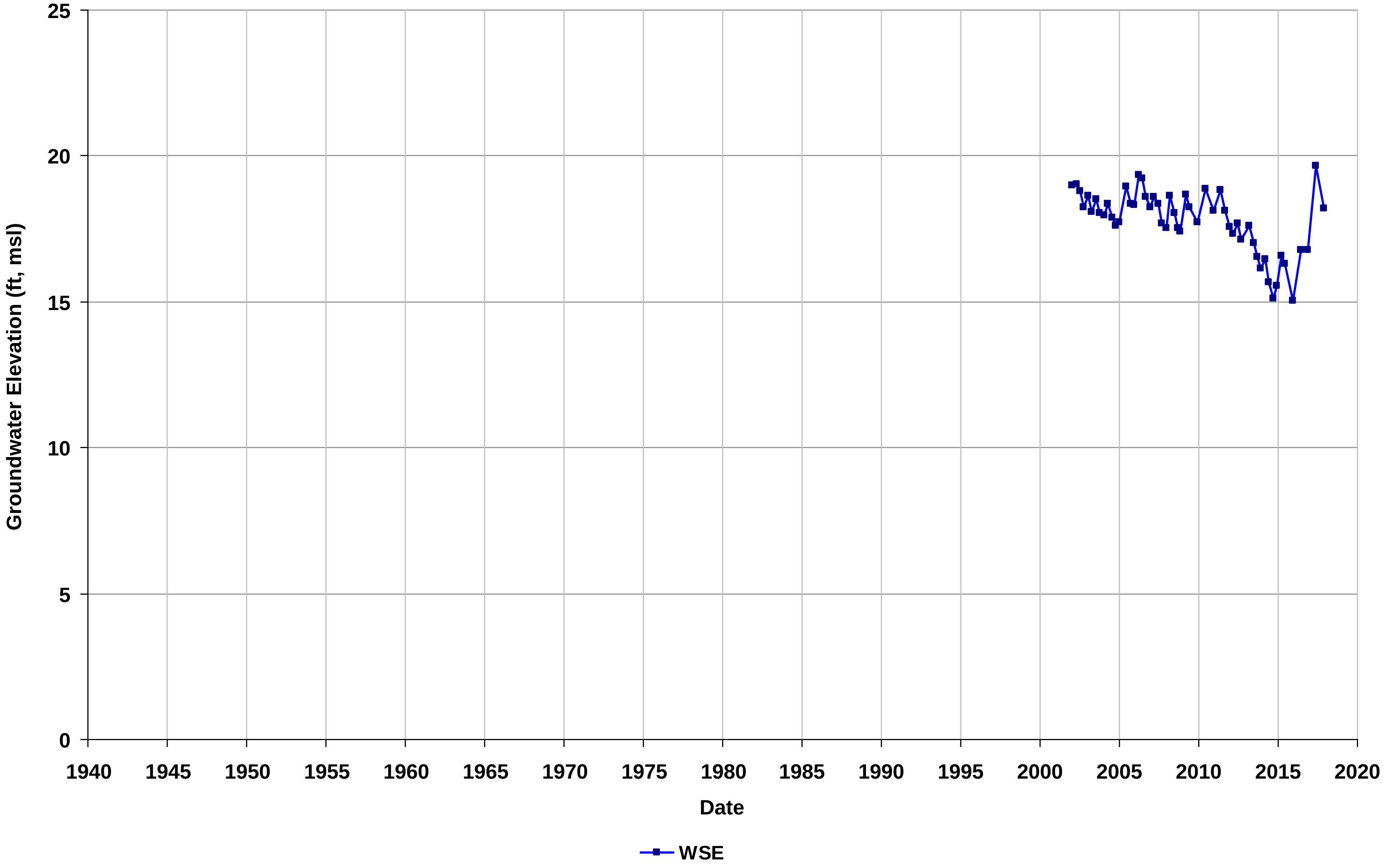
Well Name: T0600101482-MW-9
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



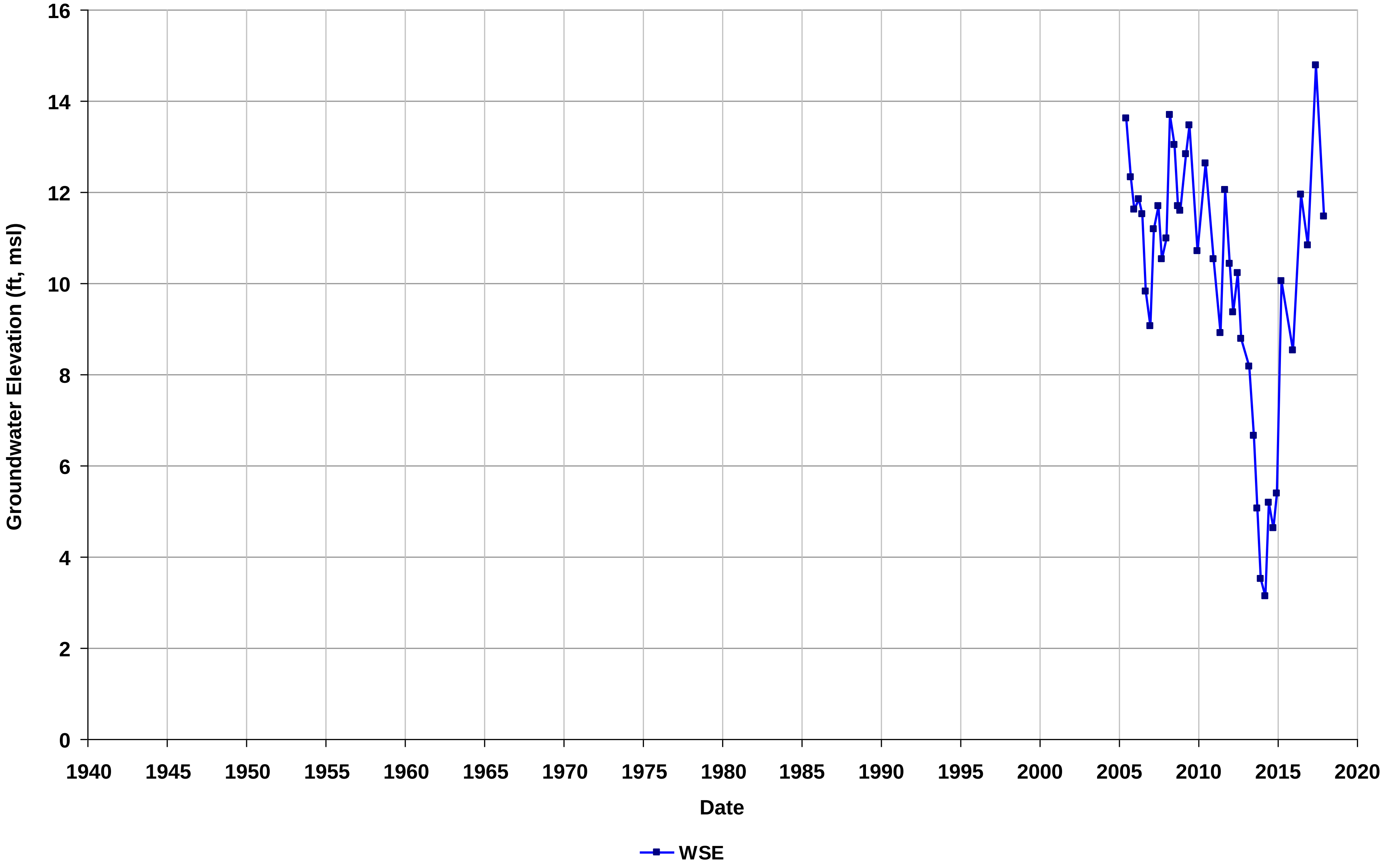
Well Name: T0600101483-MW-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



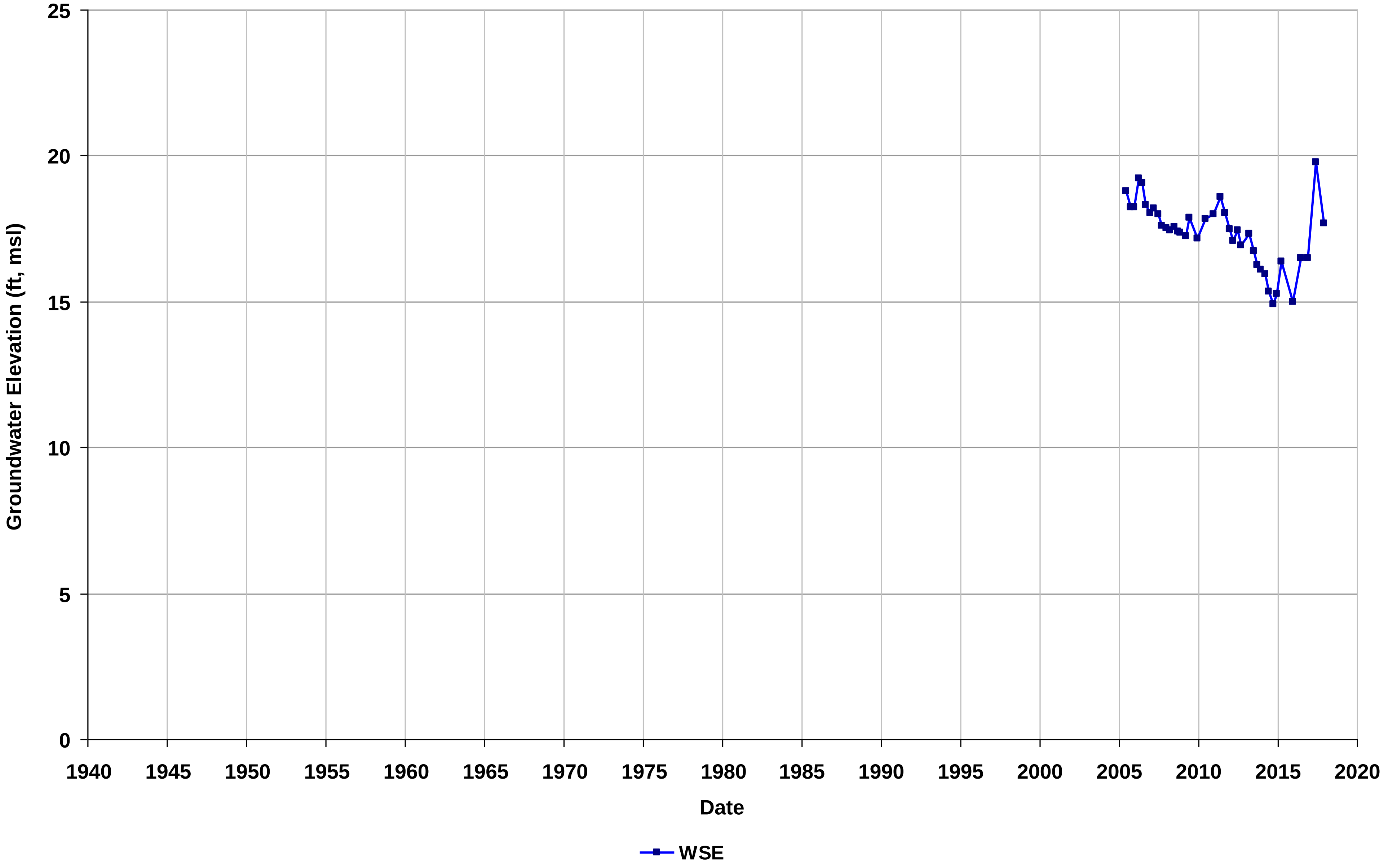
Well Name: T0600101483-MW-10
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



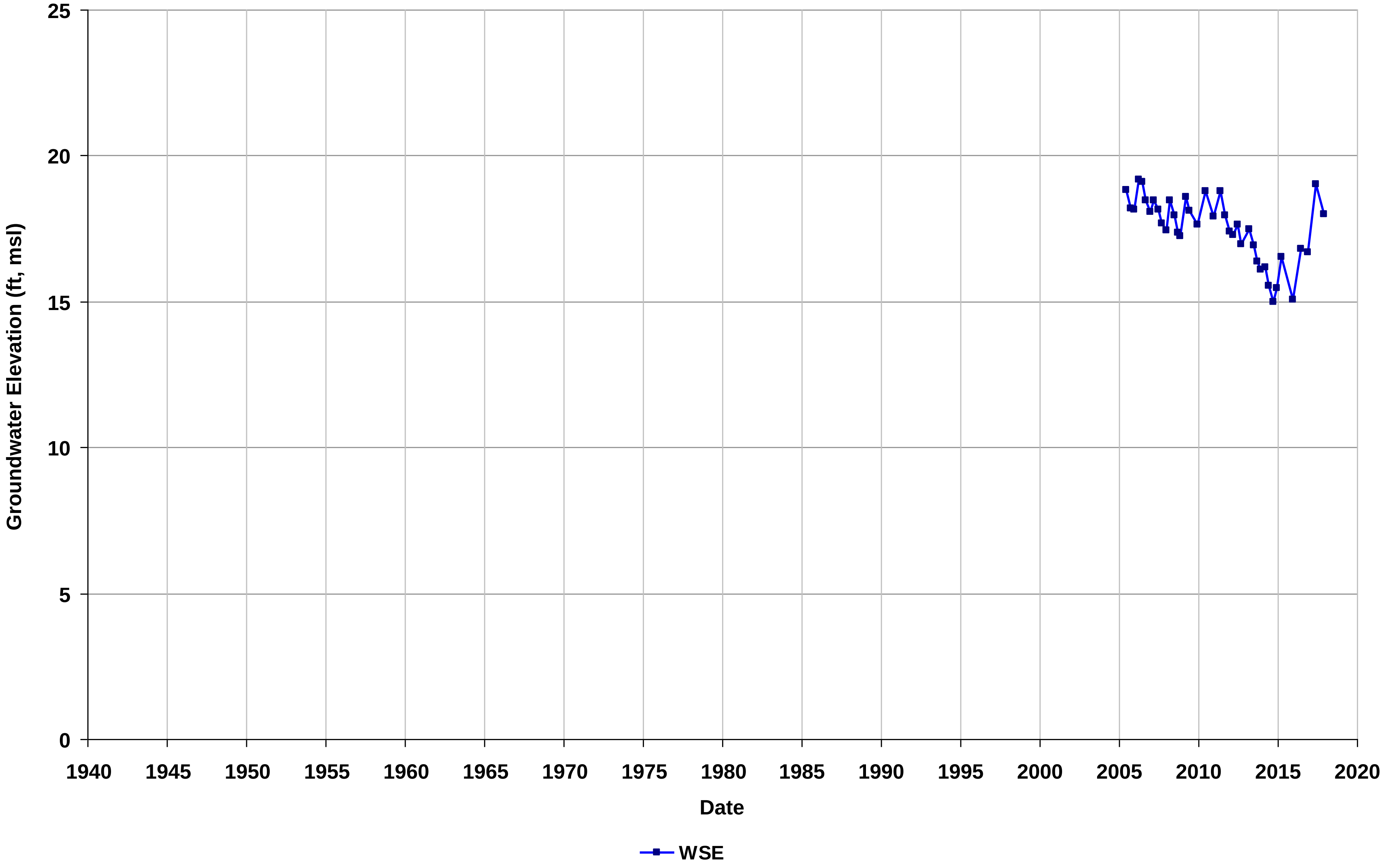
Well Name: T0600101483-MW-11
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



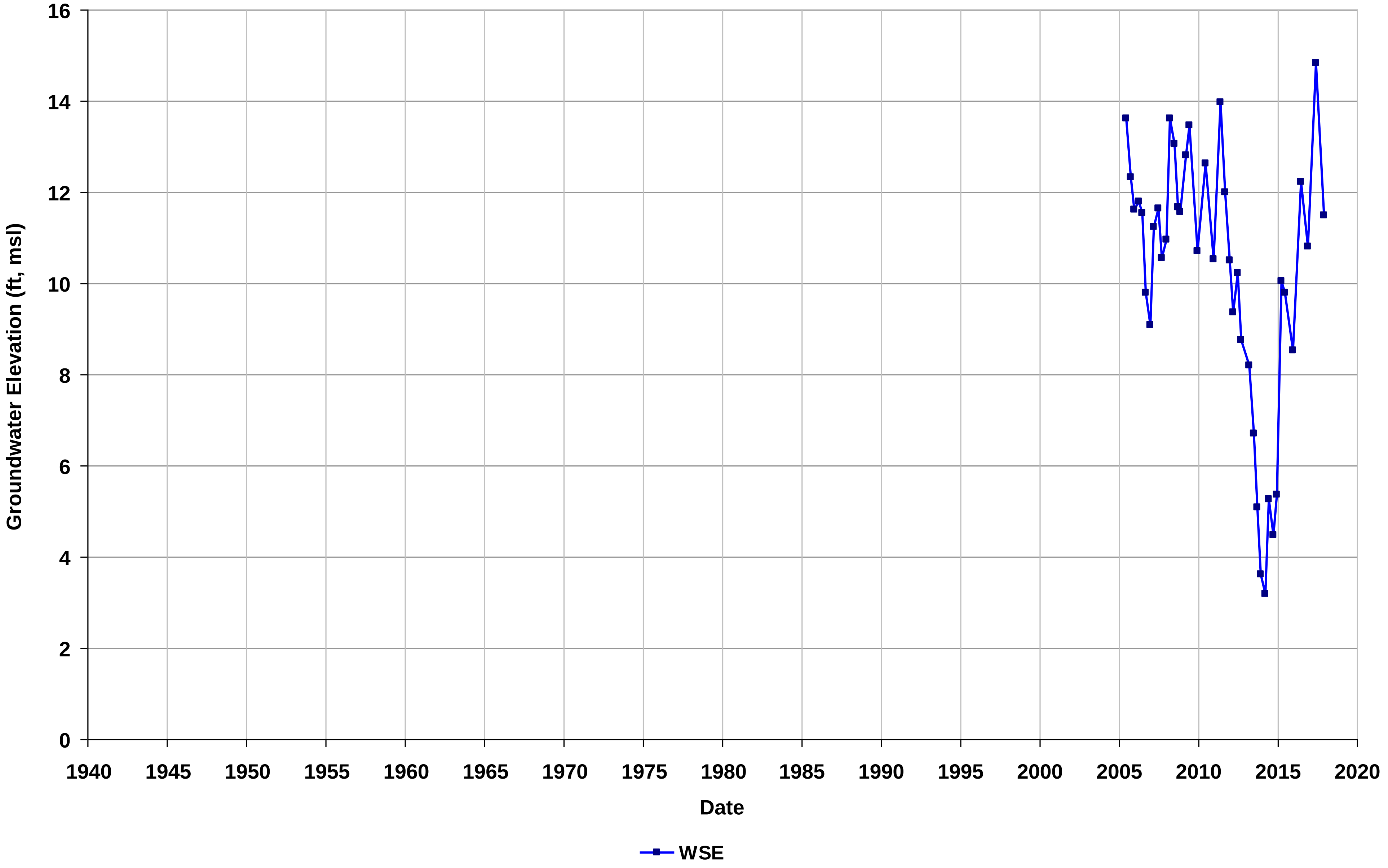
Well Name: T0600101483-MW-12
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



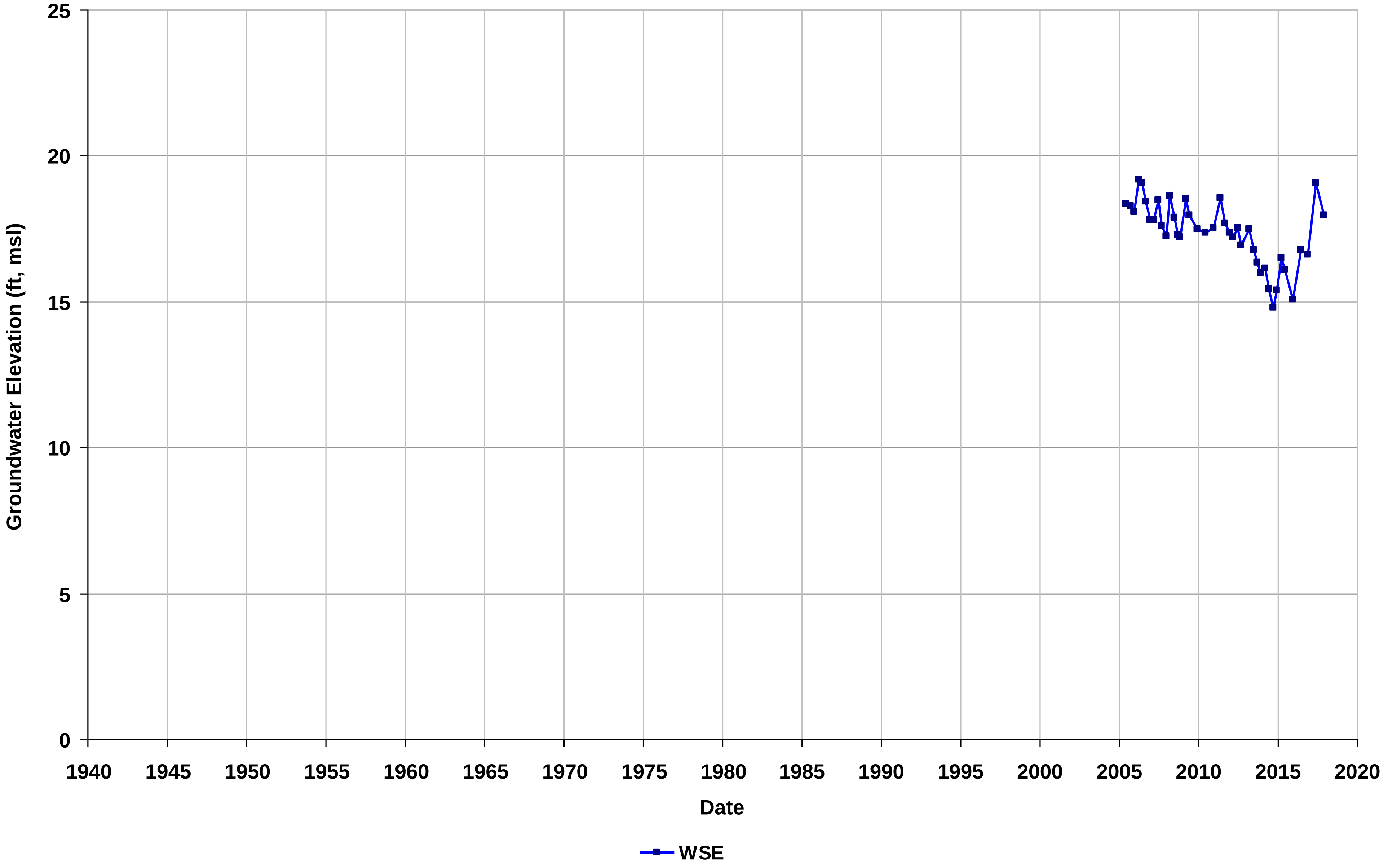
Well Name: T0600101483-MW-13
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



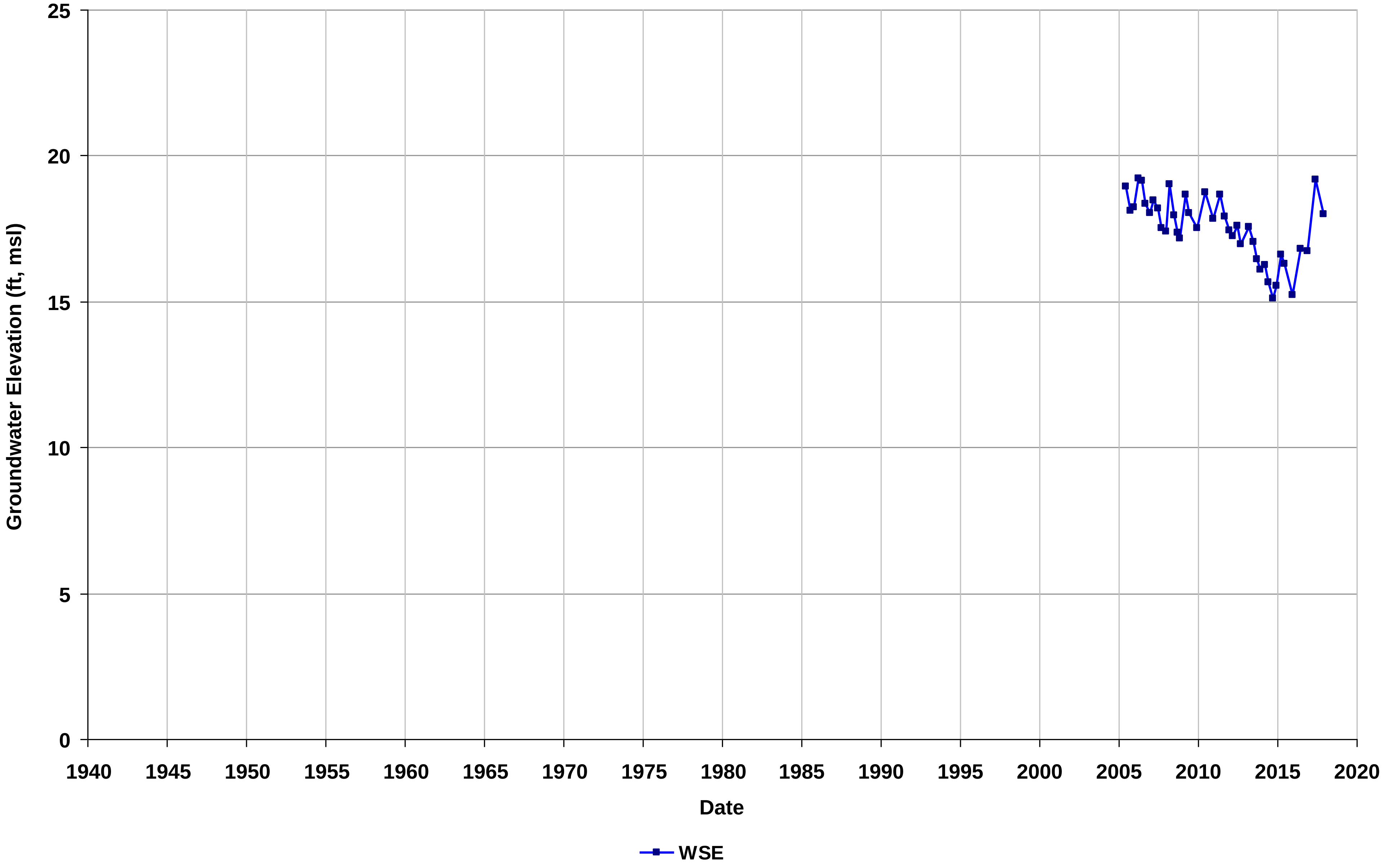
Well Name: T0600101483-MW-14
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



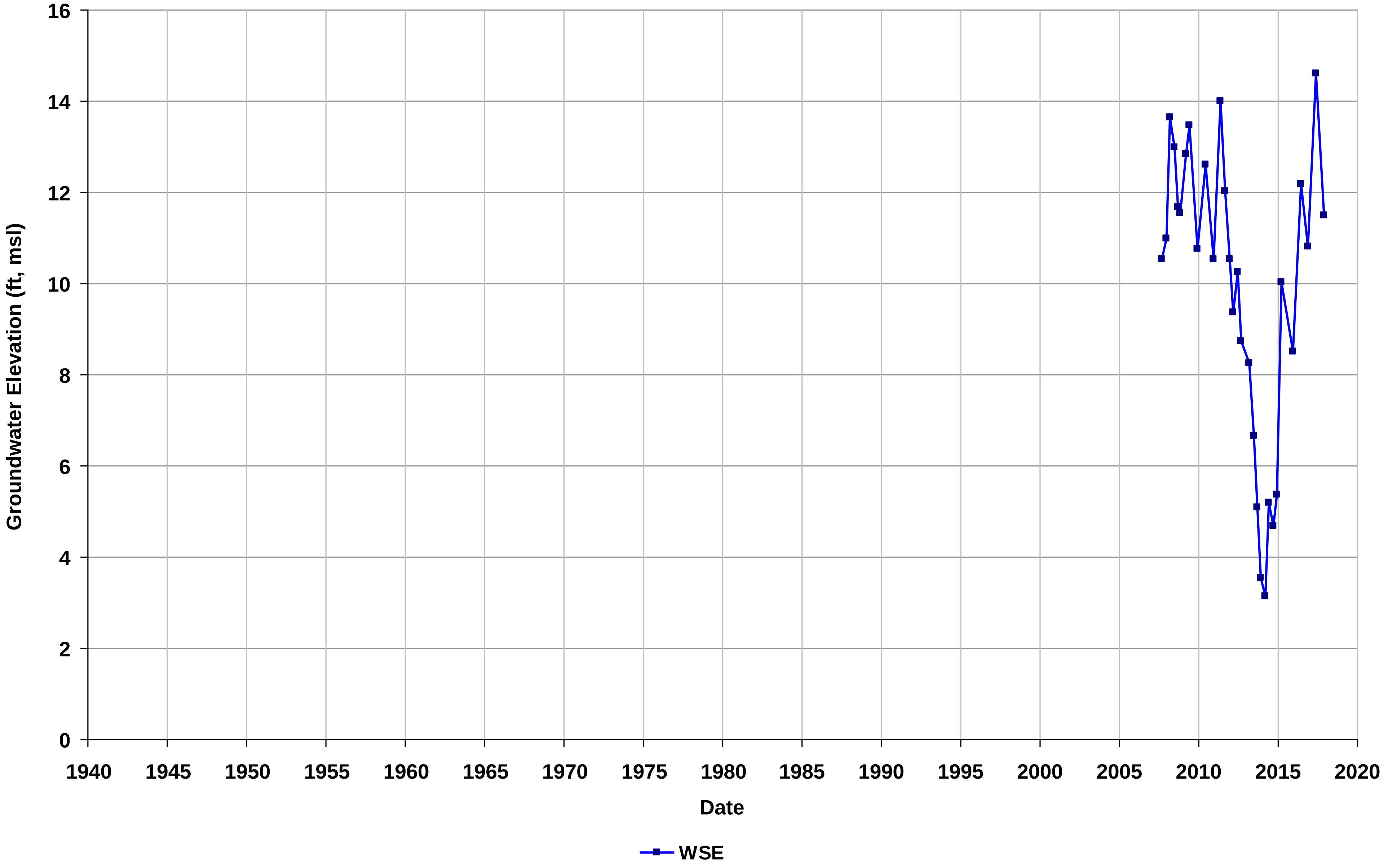
Well Name: T0600101483-MW-15
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



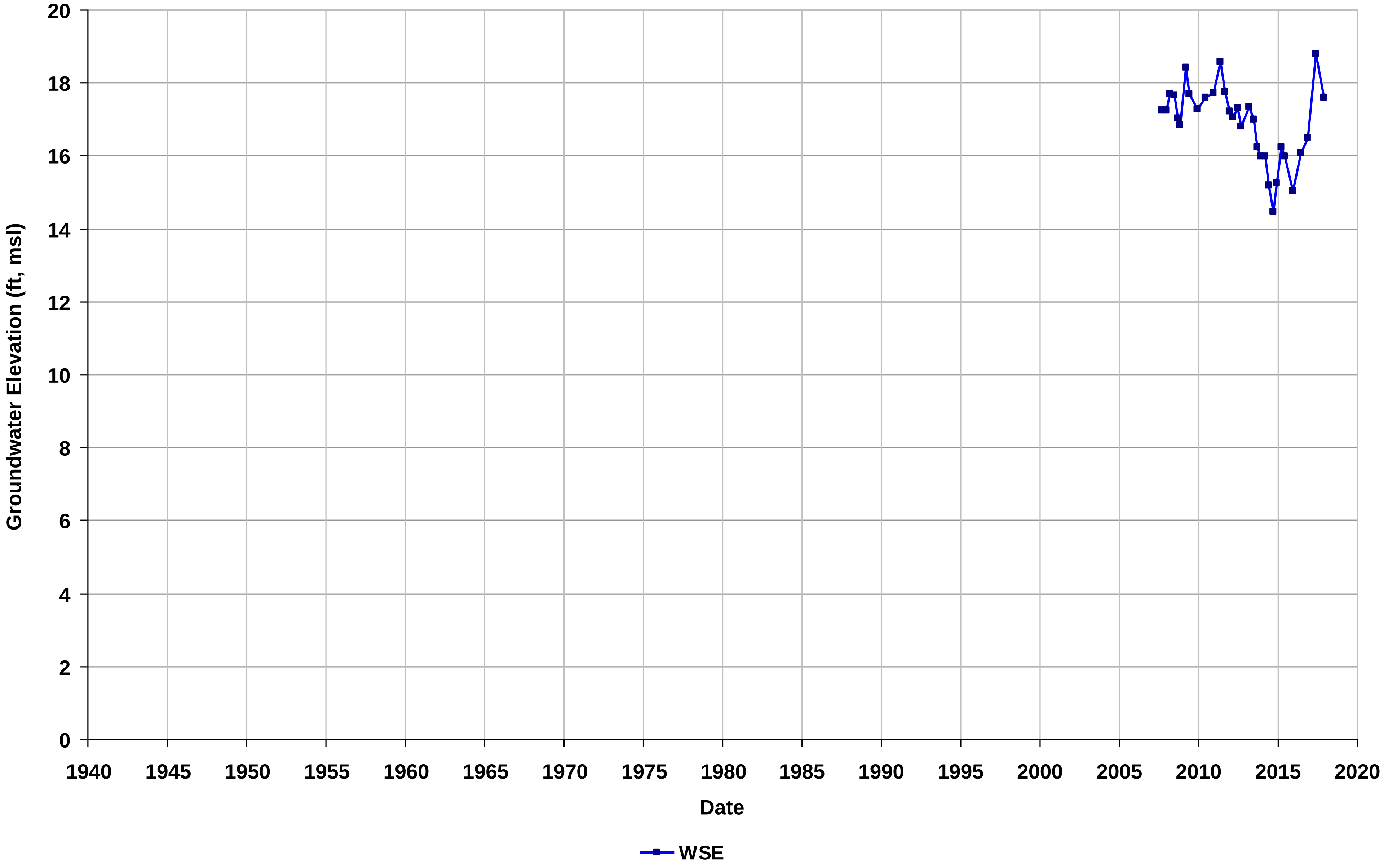
Well Name: T0600101483-MW-16
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



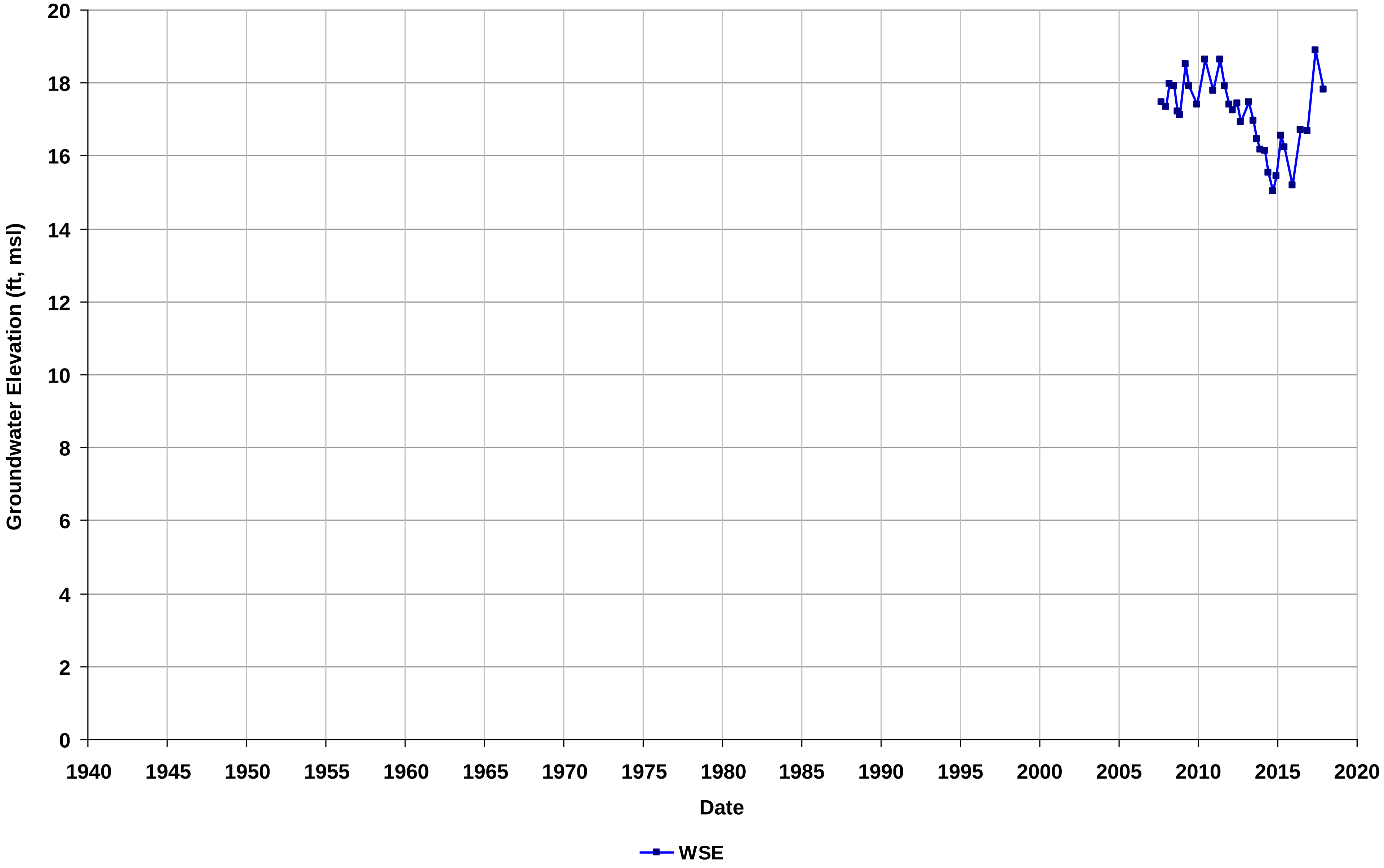
Well Name: T0600101483-MW-17
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



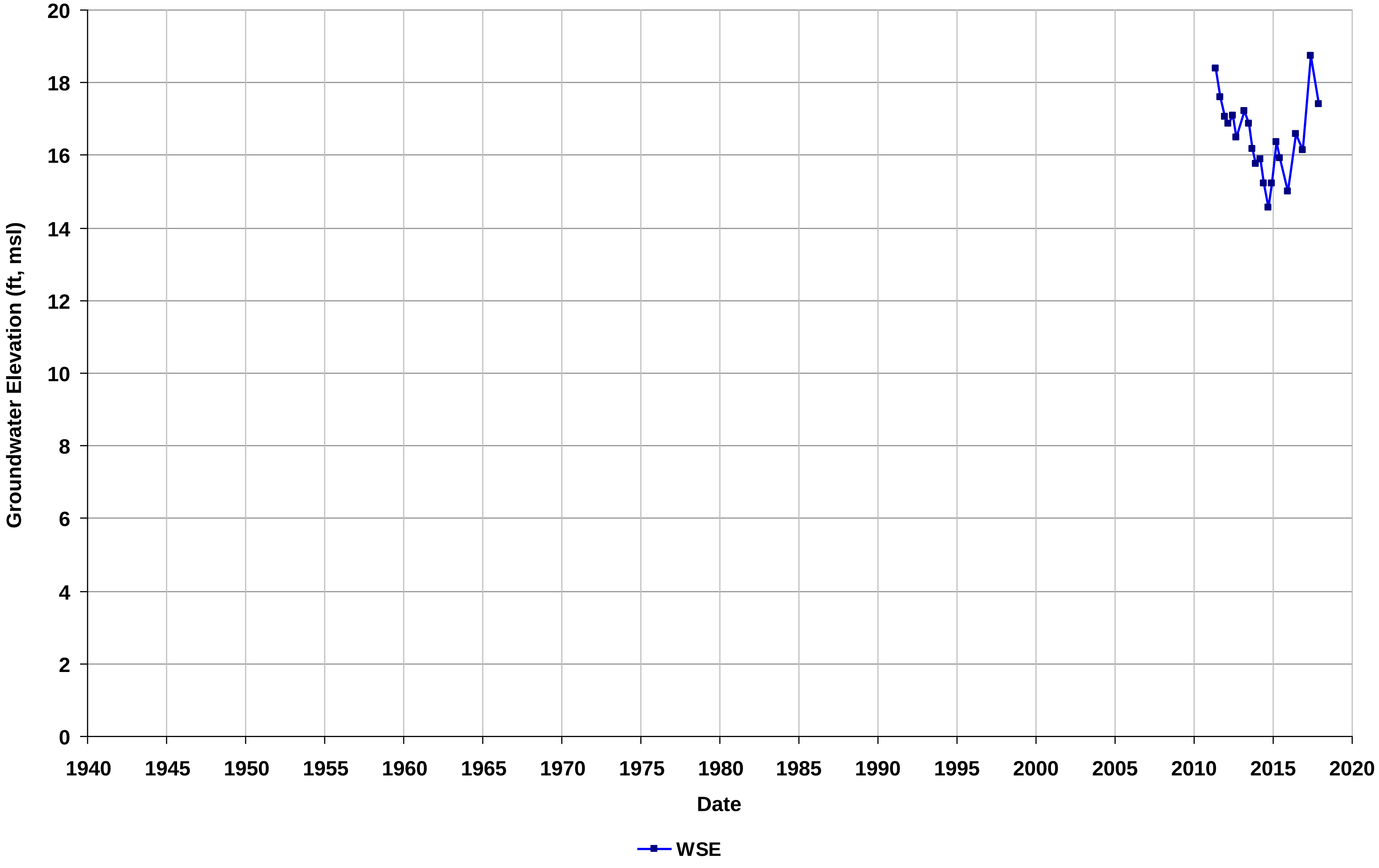
Well Name: T0600101483-MW-18
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



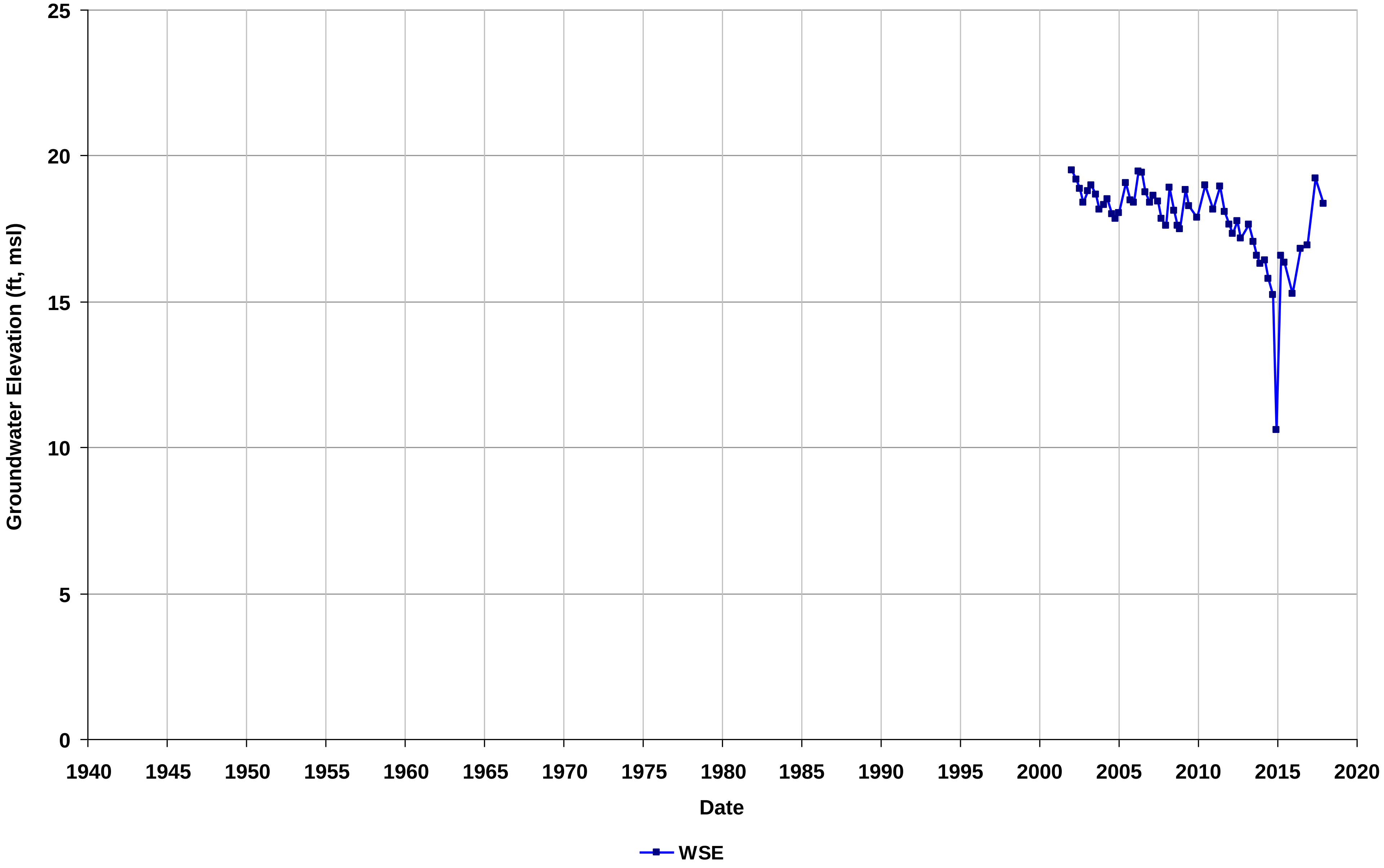
Well Name: T0600101483-MW-19
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



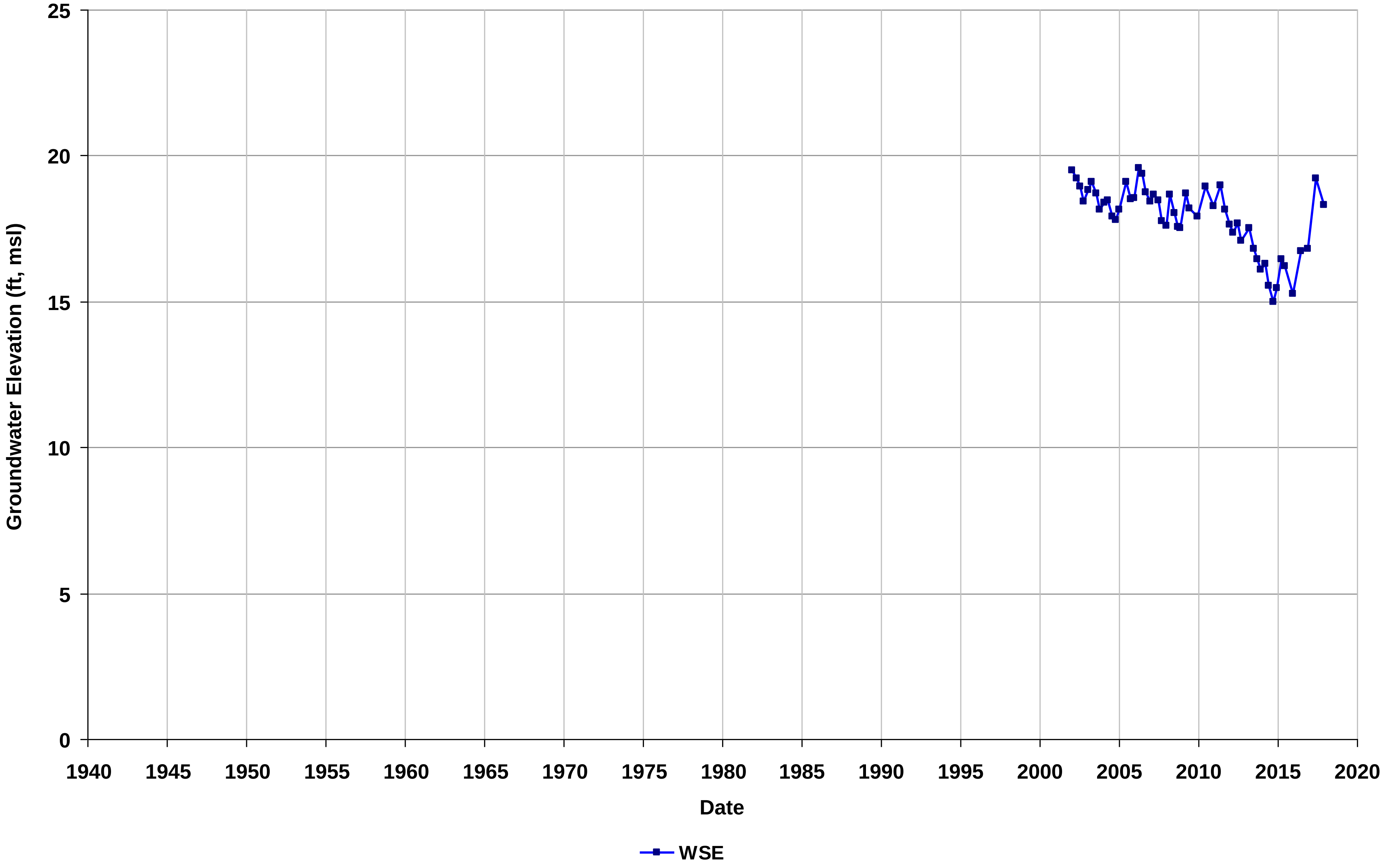
Well Name: T0600101483-MW-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



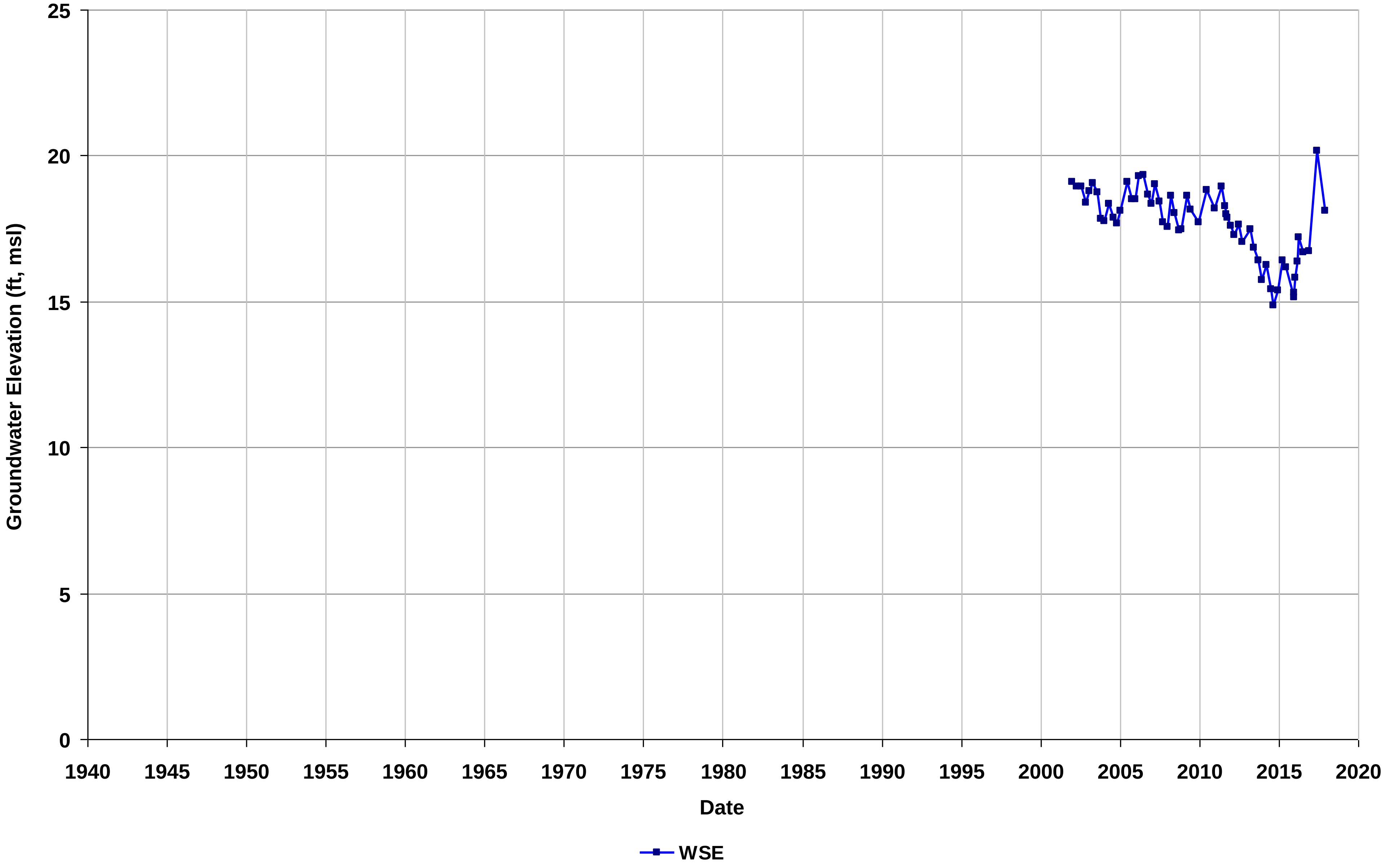
Well Name: T0600101483-MW-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



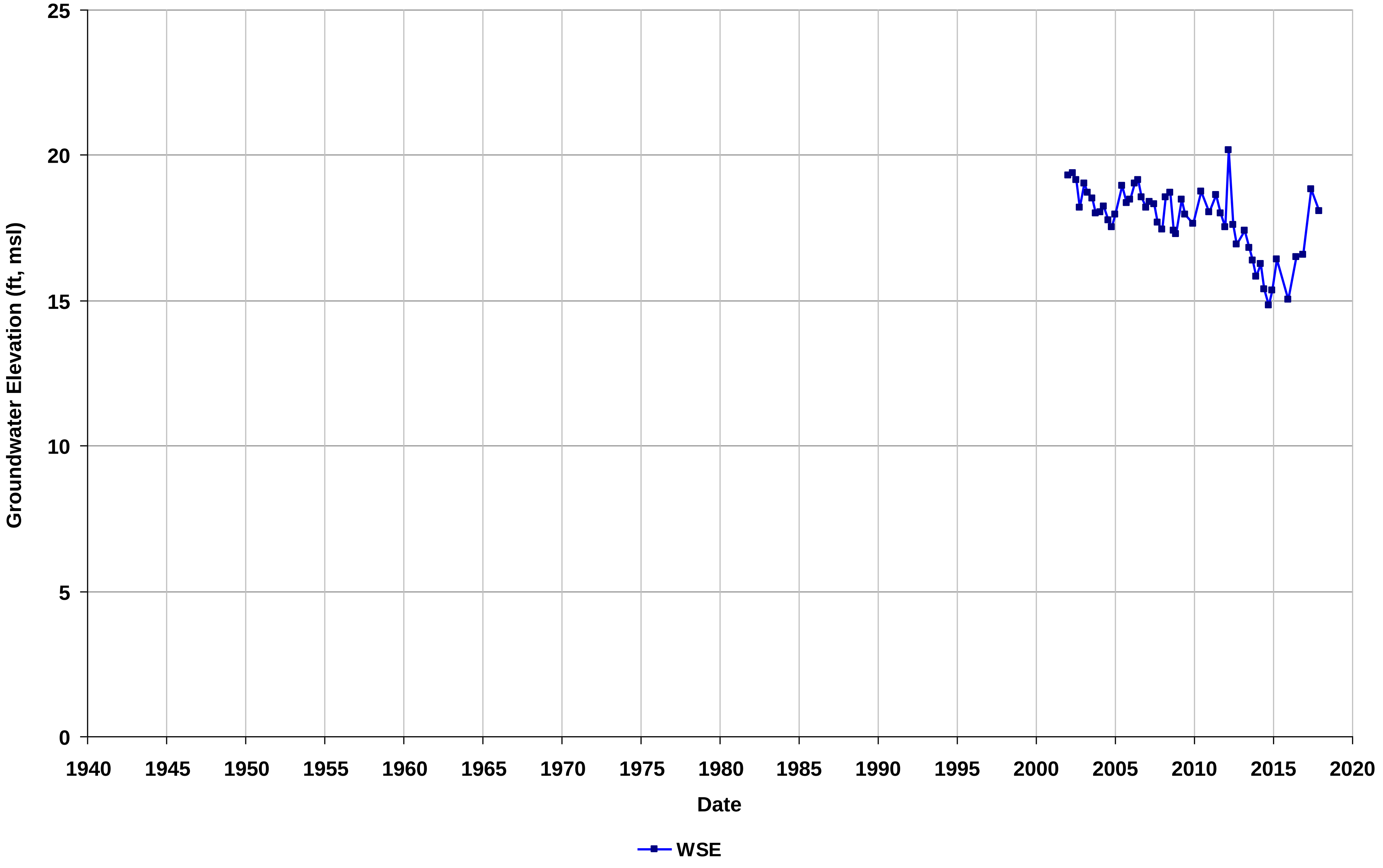
Well Name: T0600101483-MW-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



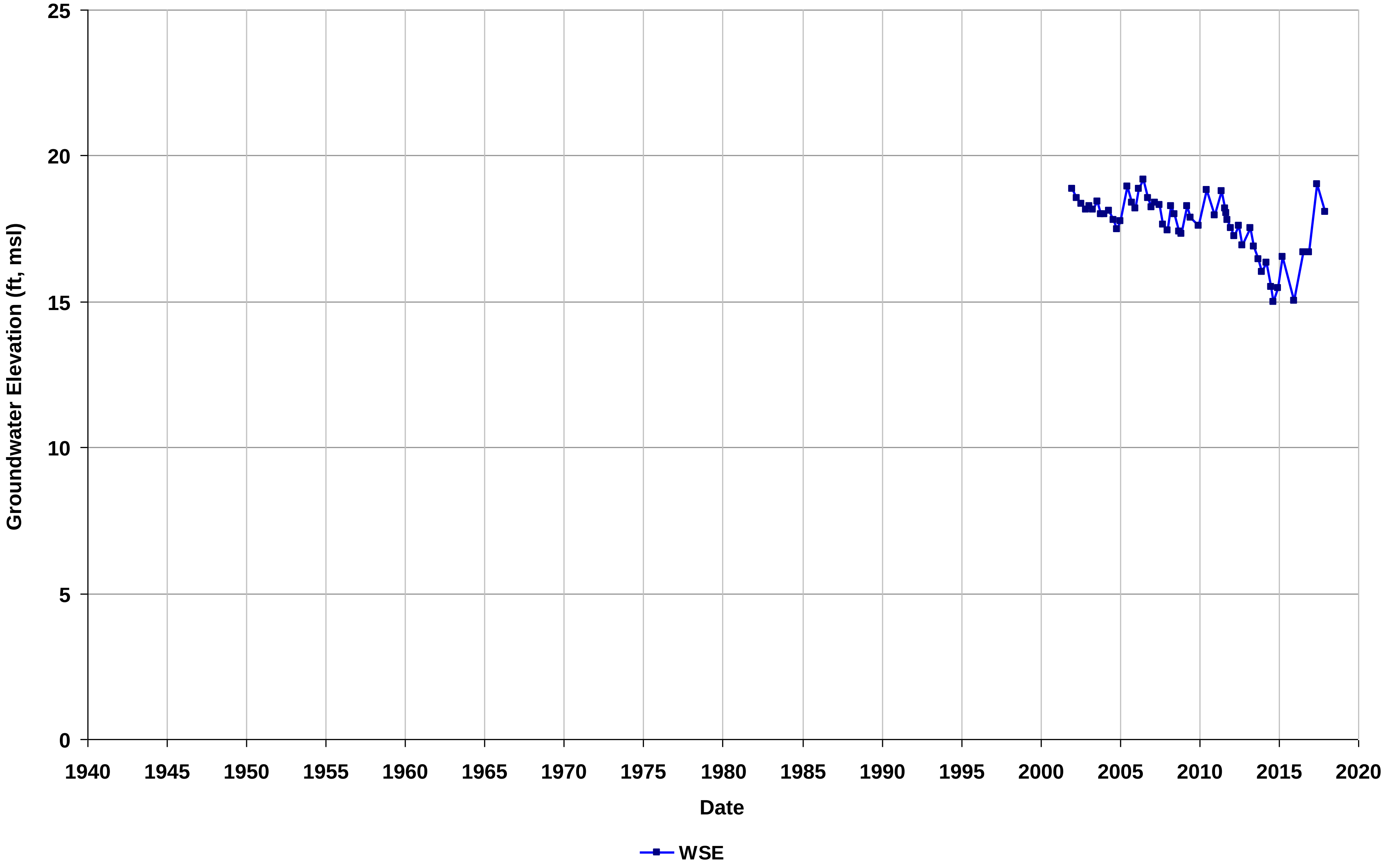
Well Name: T0600101483-MW-5
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



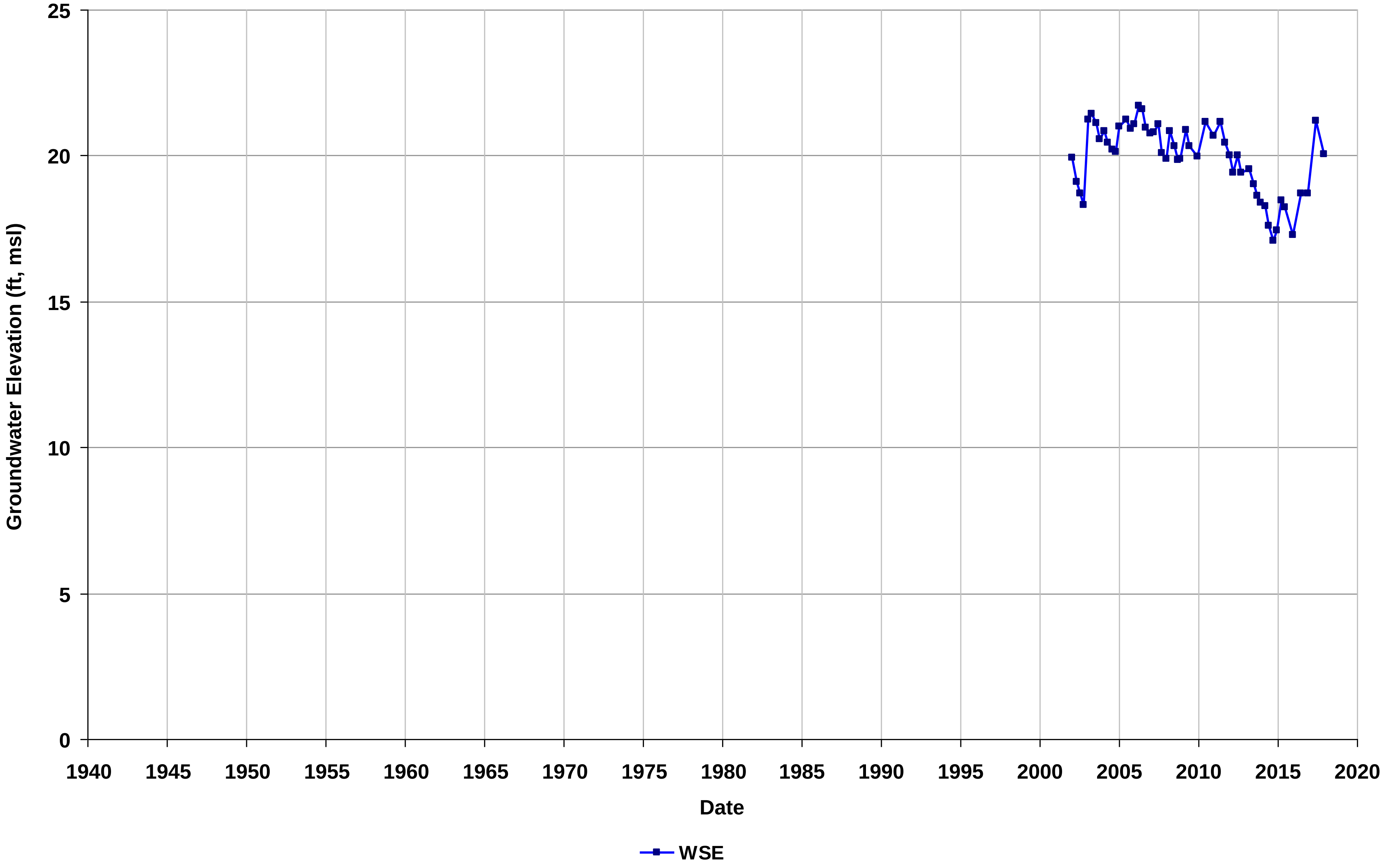
Well Name: T0600101483-MW-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



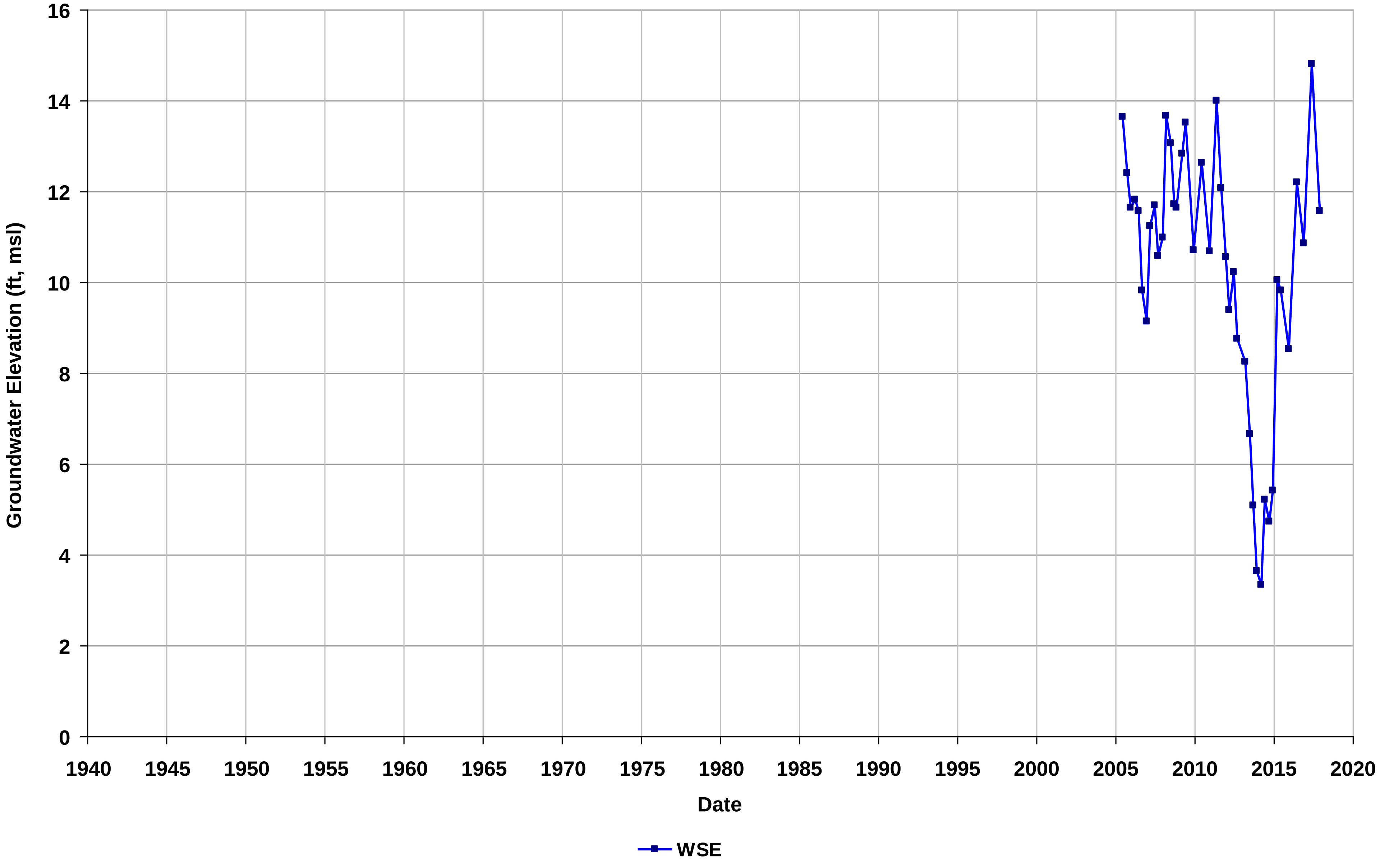
Well Name: T0600101483-MW-7
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



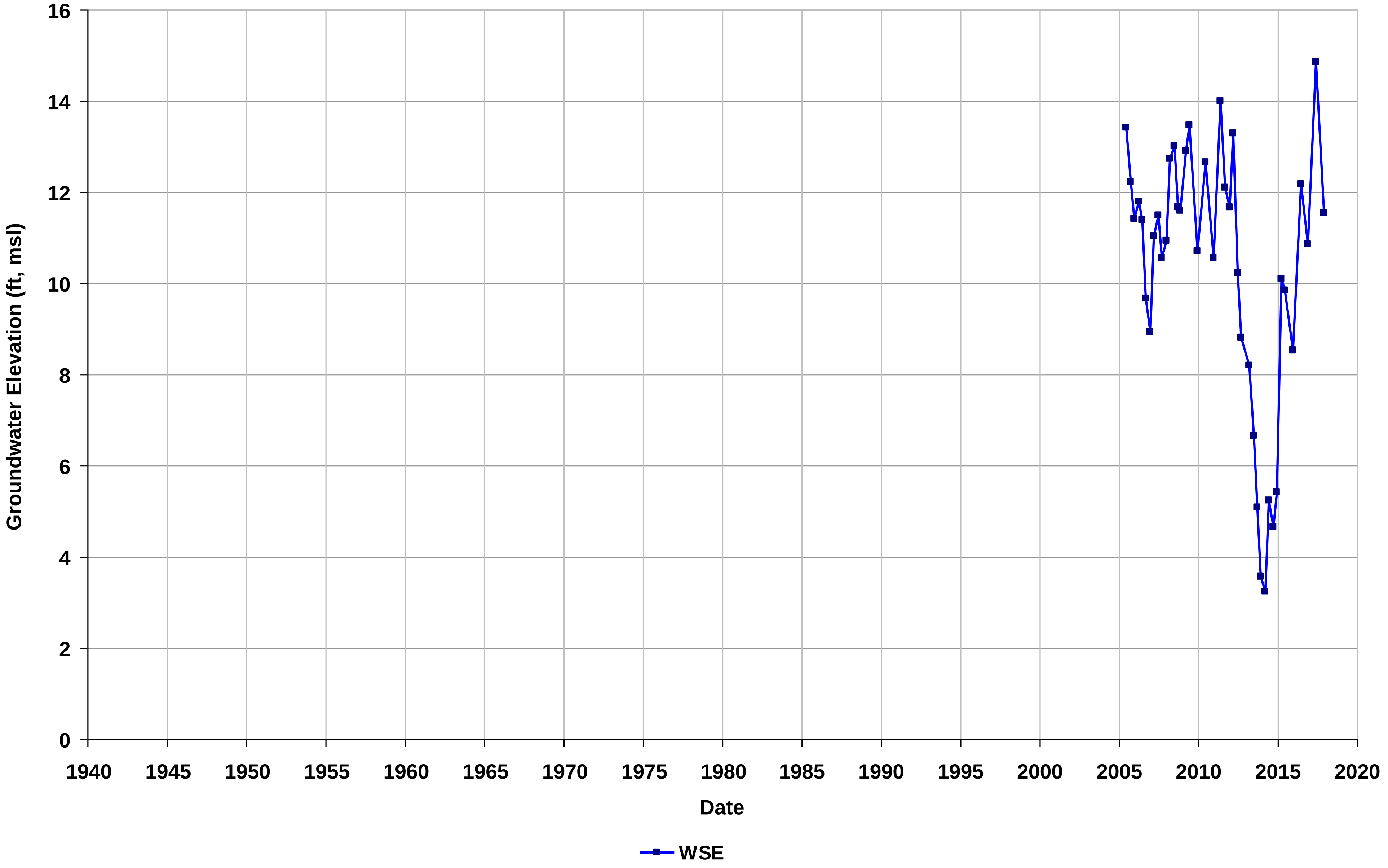
Well Name: T0600101483-MW-8
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



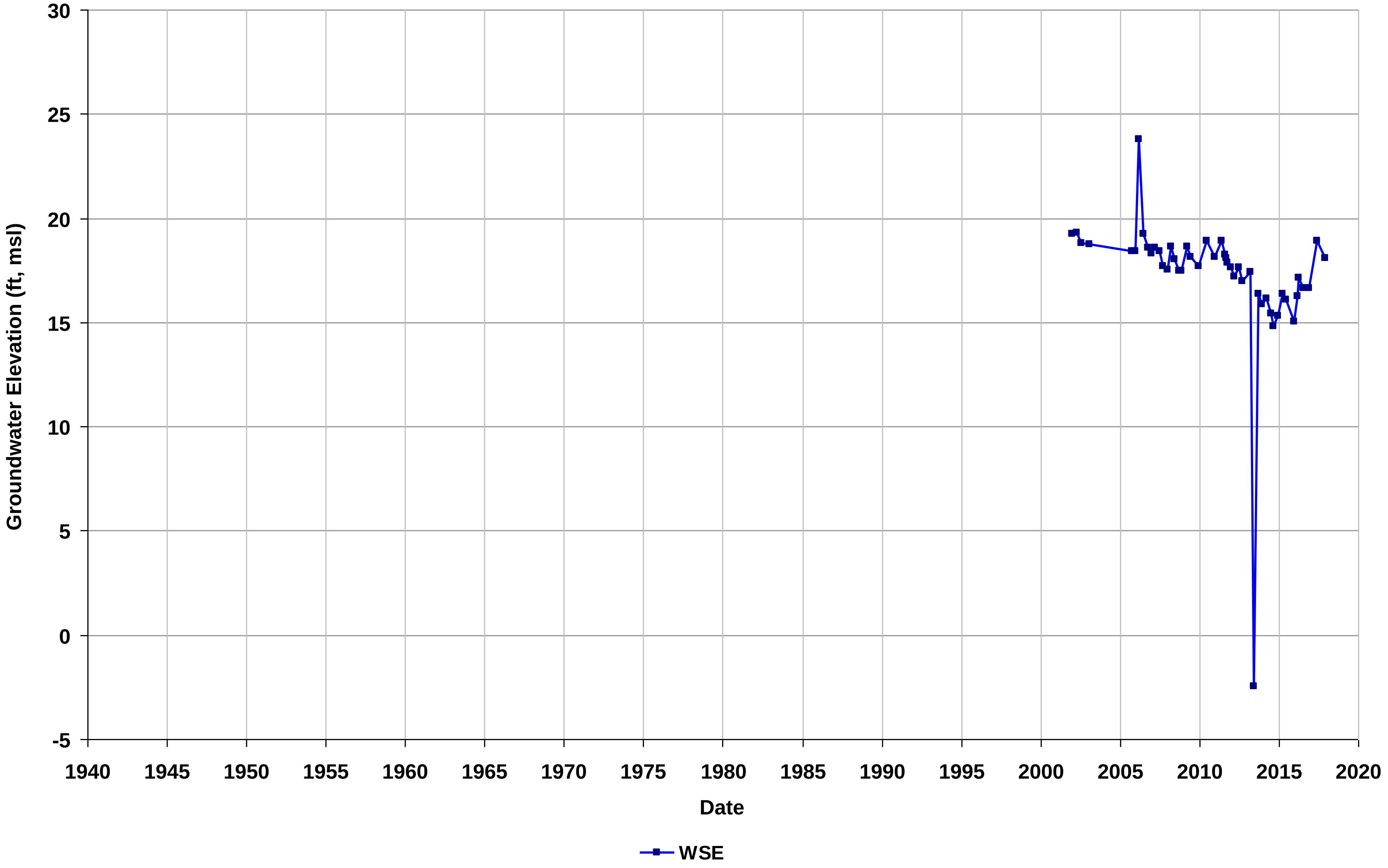
Well Name: T0600101483-MW-9
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



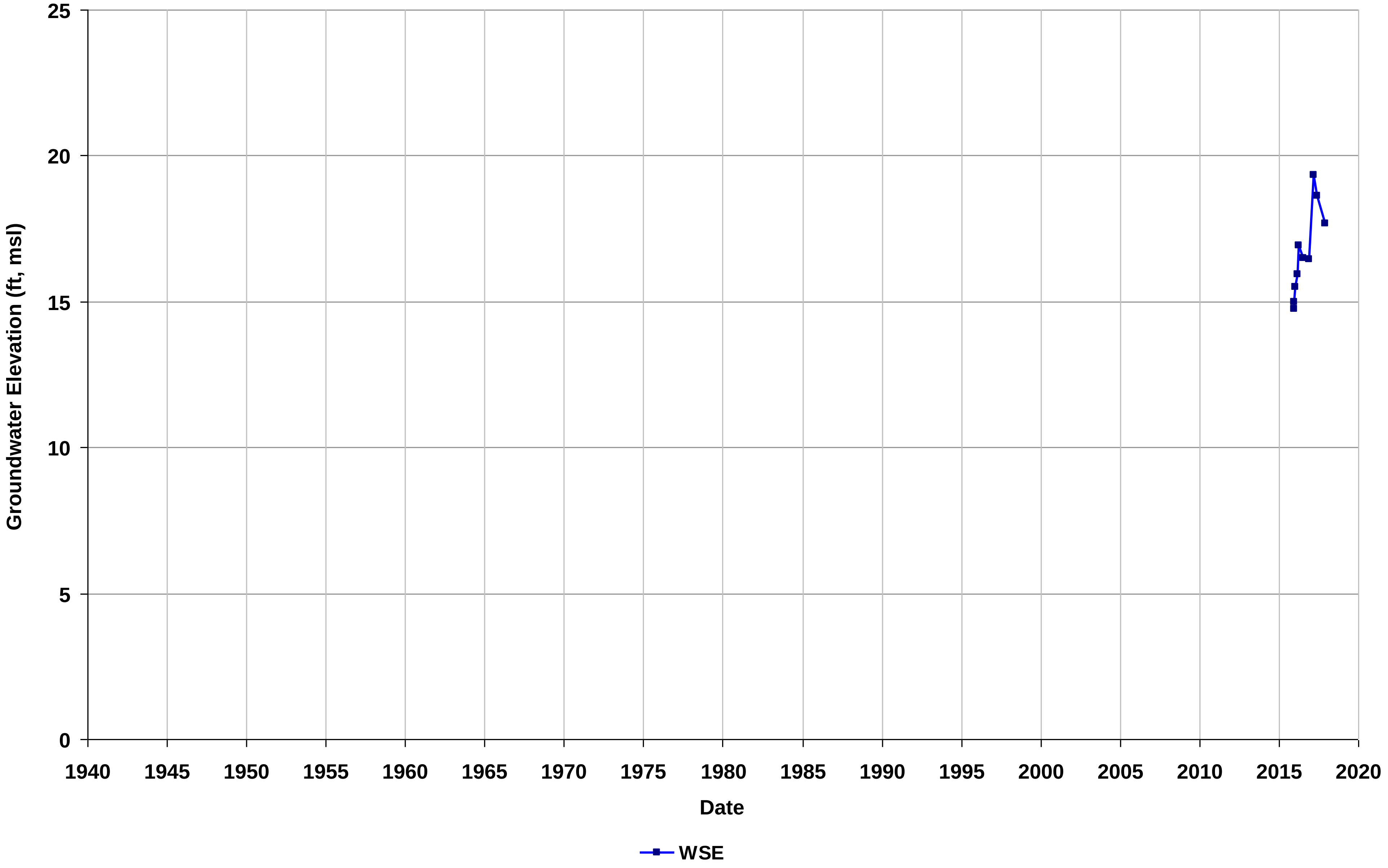
Well Name: T0600101483-RW-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



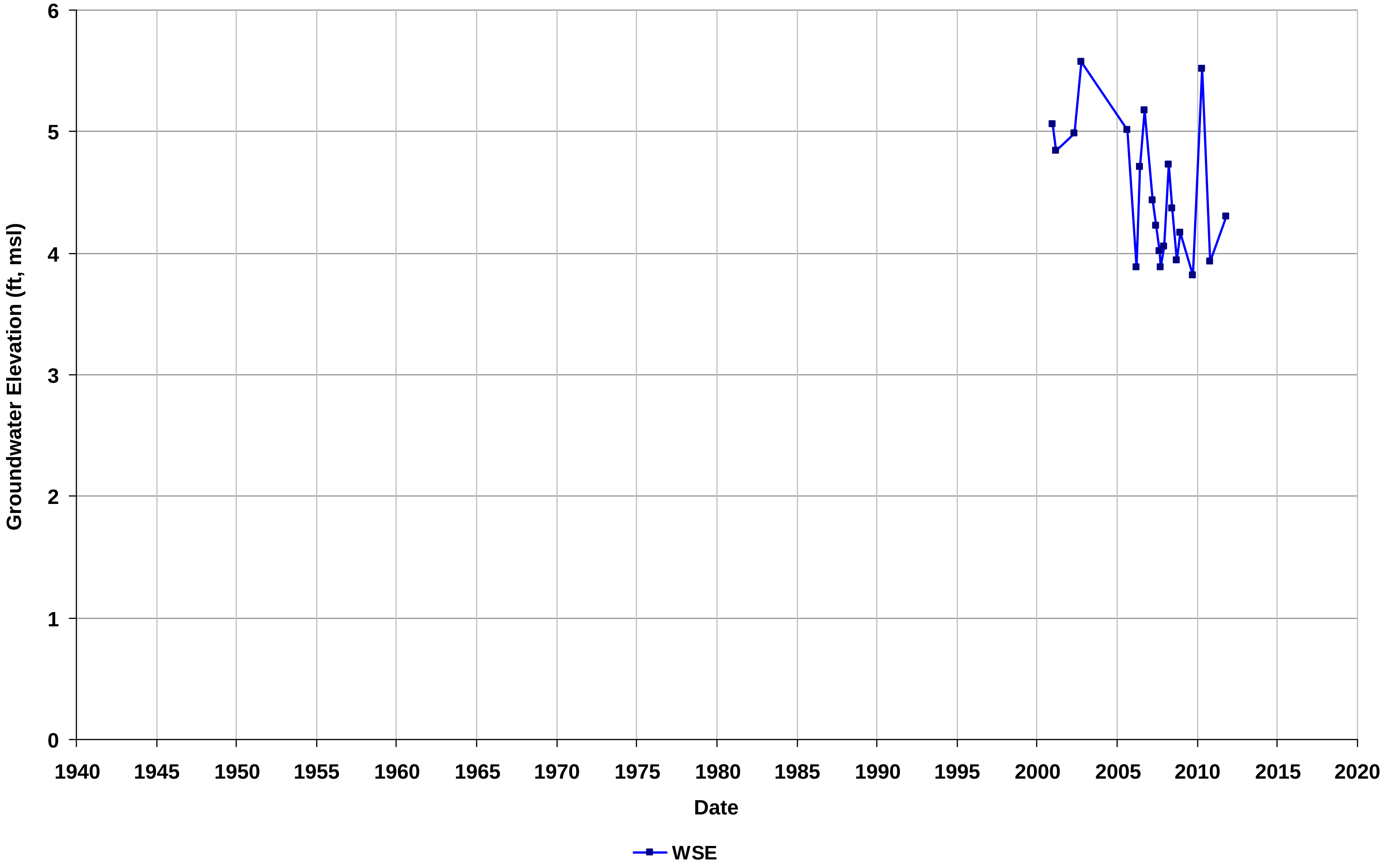
Well Name: T0600101483-RW-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



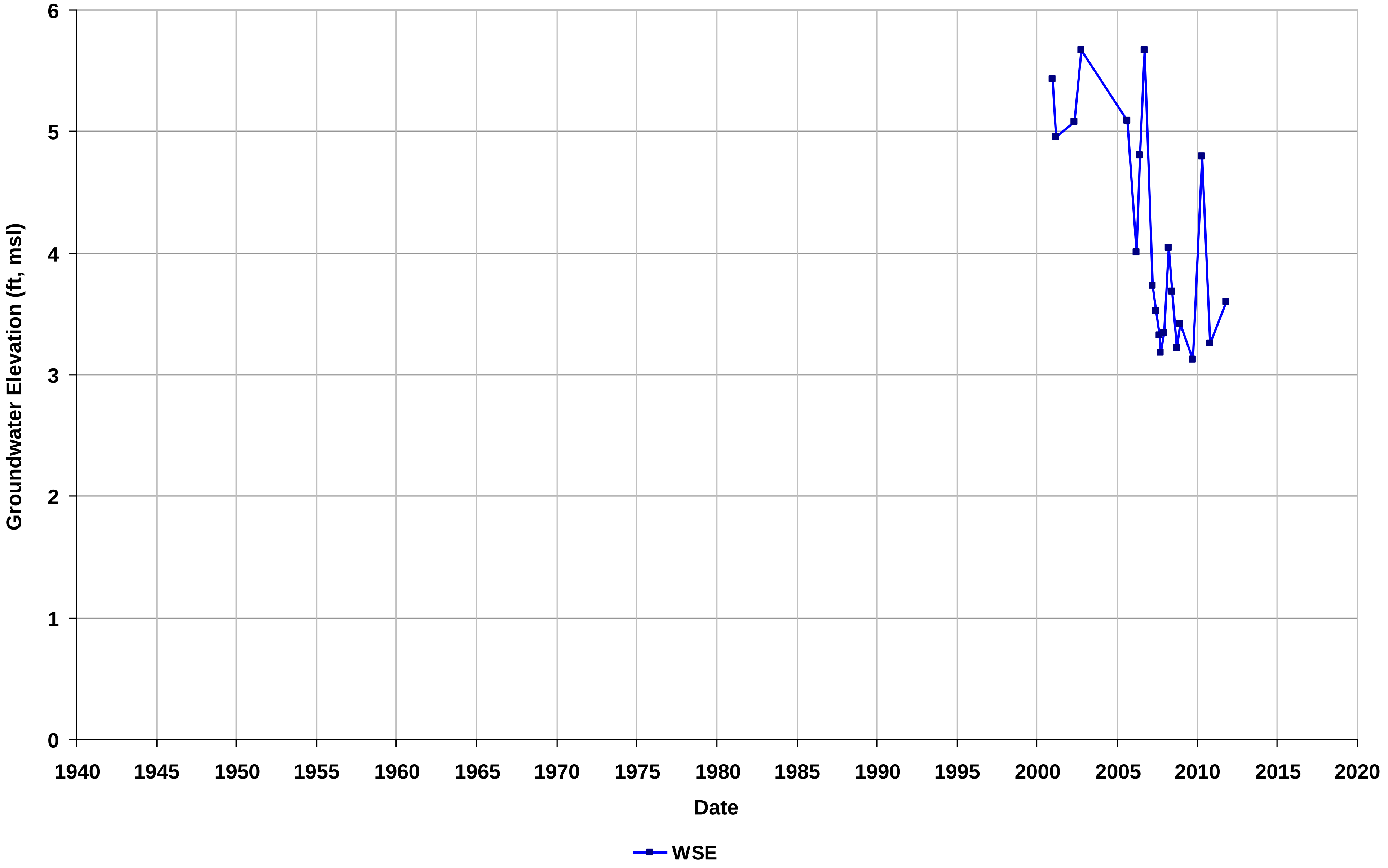
Well Name: T0600101535-MW-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/10
Well Use: Observation



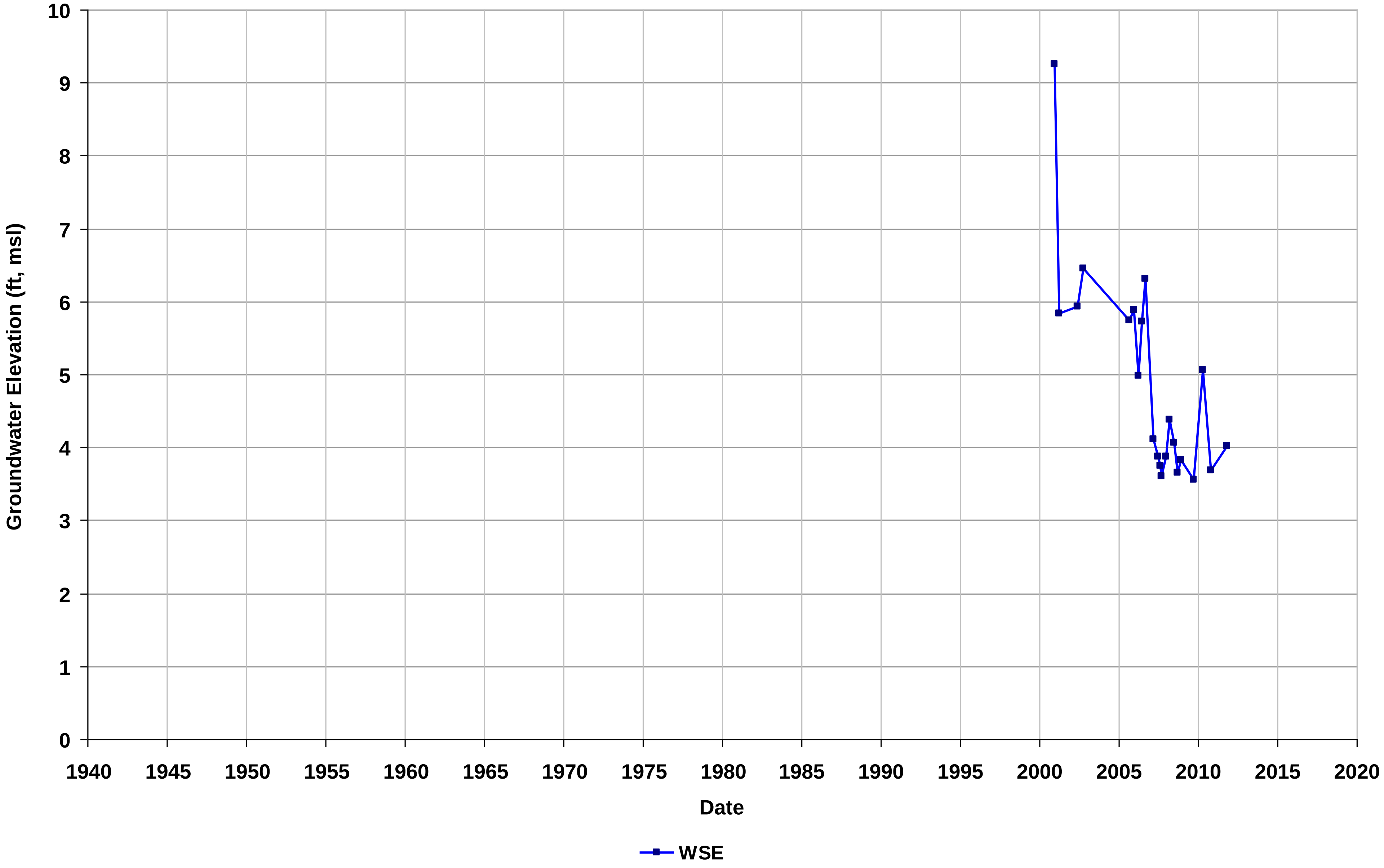
Well Name: T0600101535-MW-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/10
Well Use: Observation



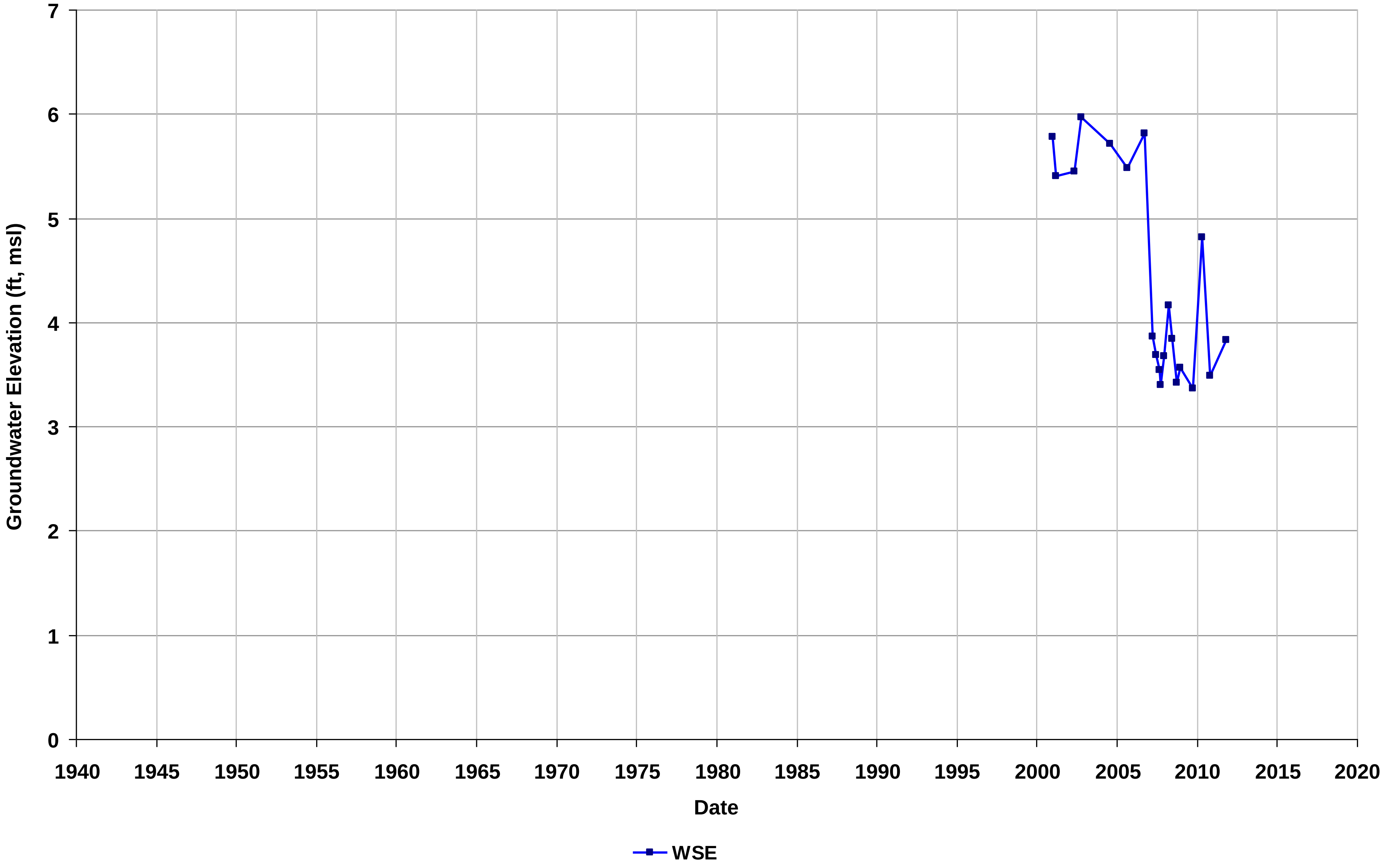
Well Name: T0600101535-MW-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/10
Well Use: Observation



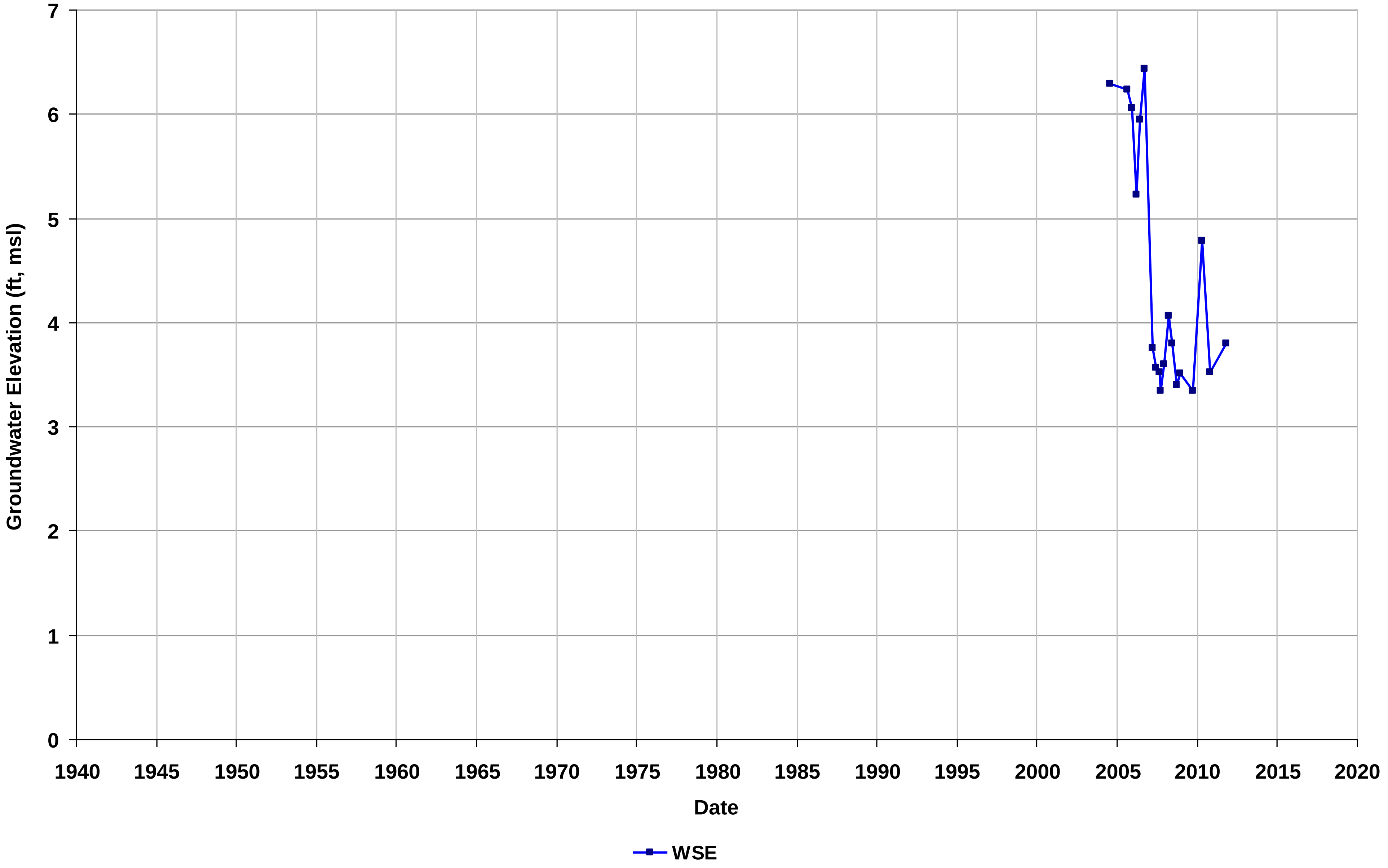
Well Name: T0600101535-MW-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/10
Well Use: Observation



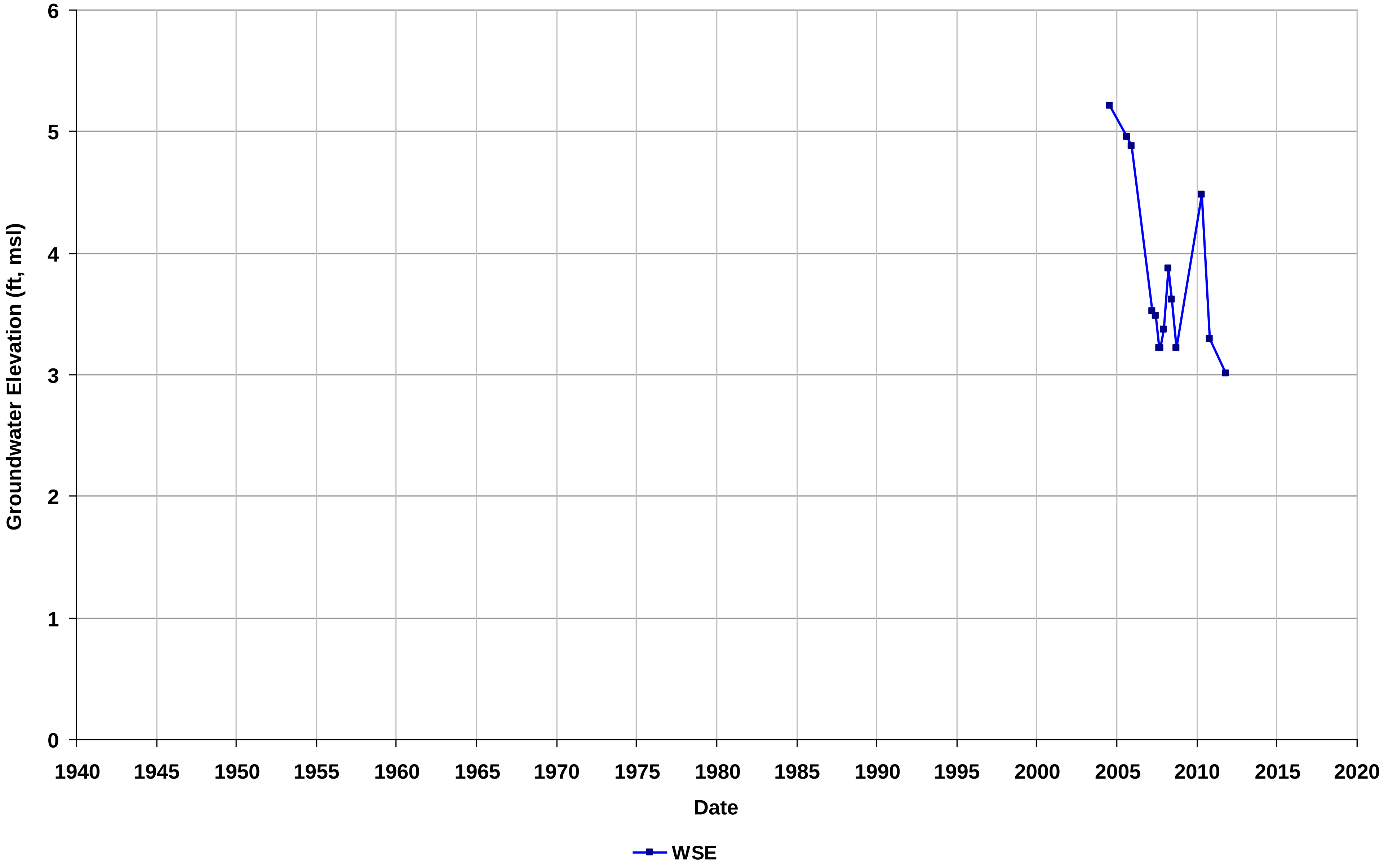
Well Name: T0600101535-MW-5
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/10
Well Use: Observation



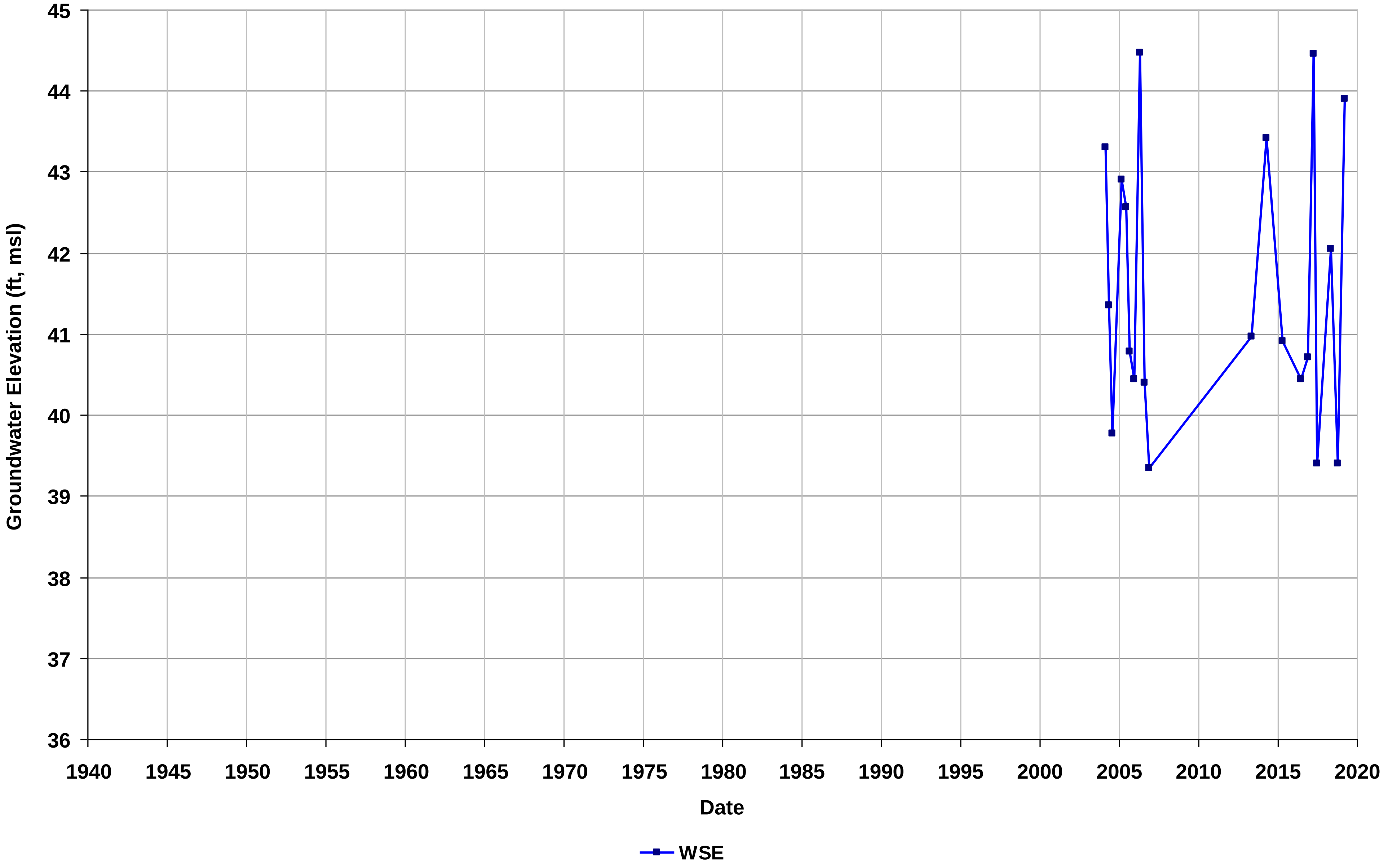
Well Name: T0600101535-MW-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/10
Well Use: Observation



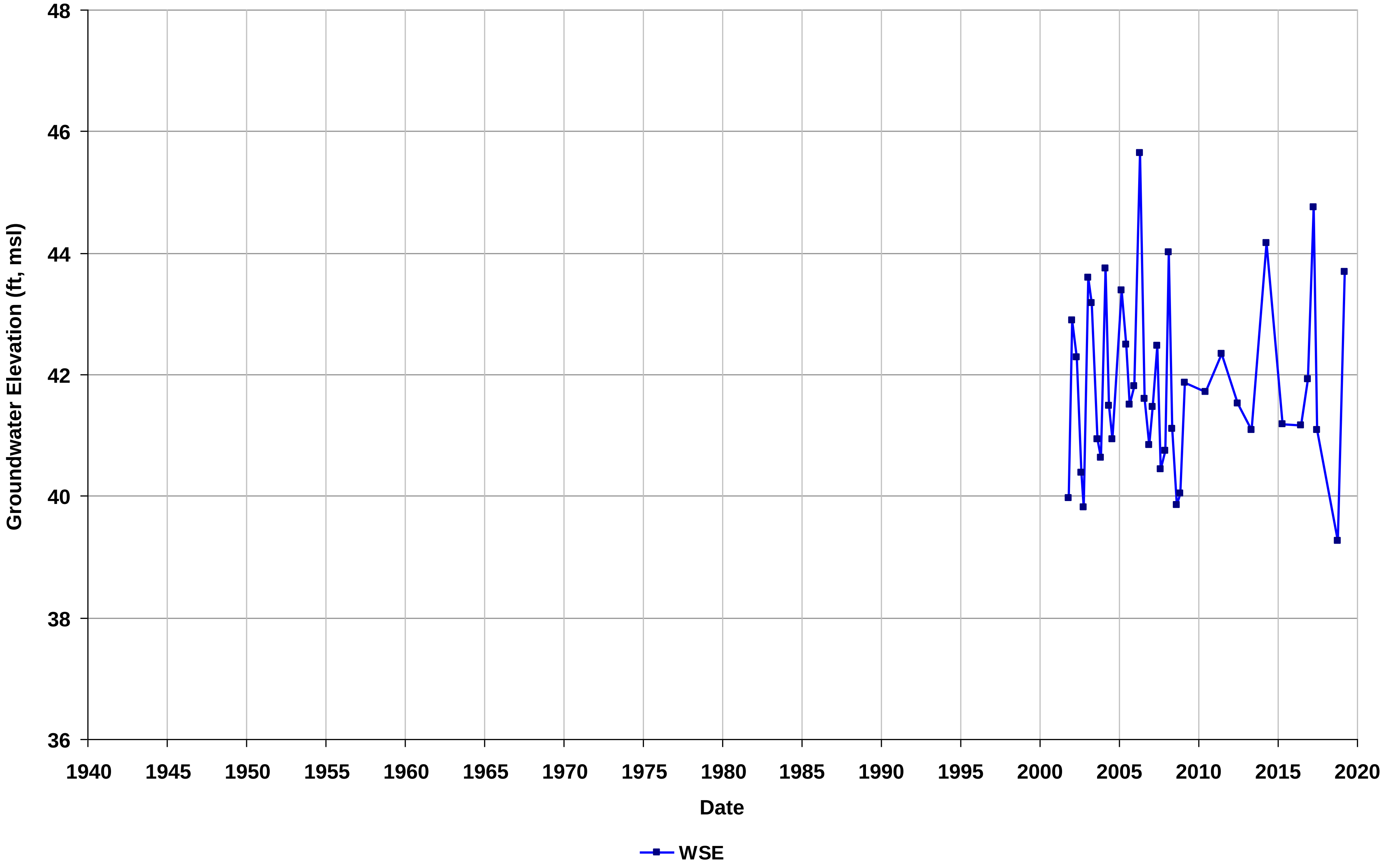
Well Name: T0600101557-EW1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/03
Well Use: Observation



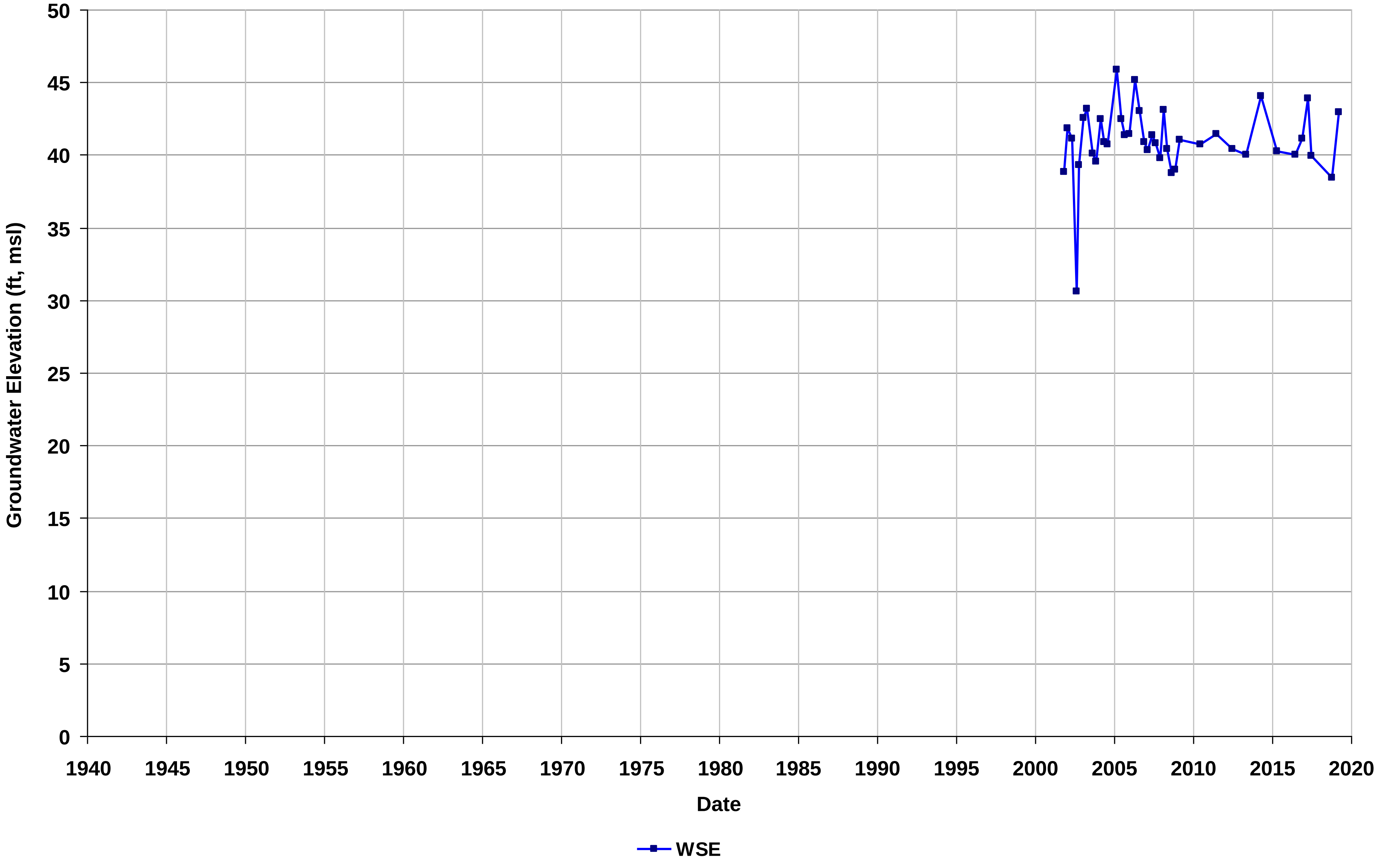
Well Name: T0600101557-MW1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/03
Well Use: Observation



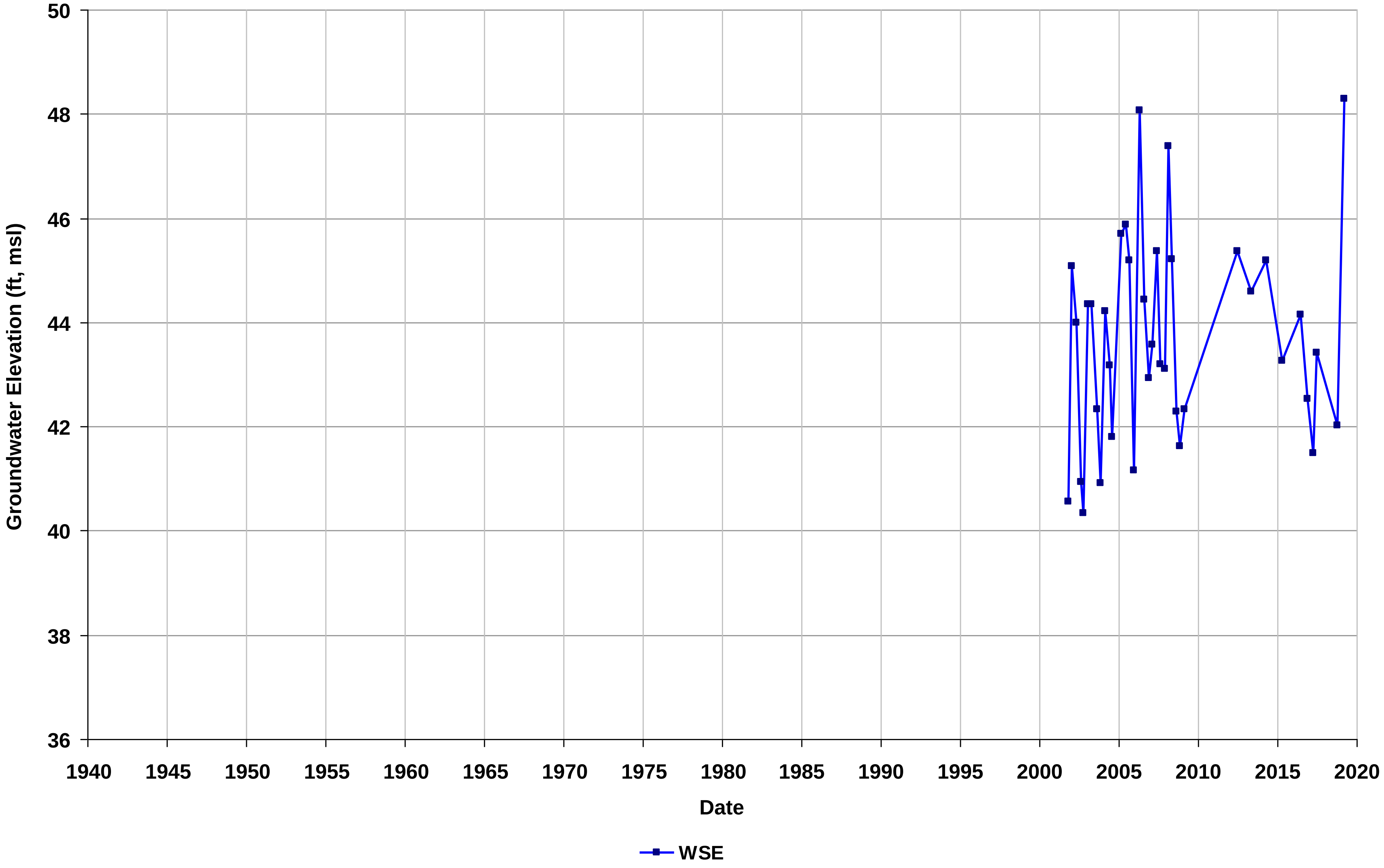
Well Name: T0600101557-MW2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/03
Well Use: Observation



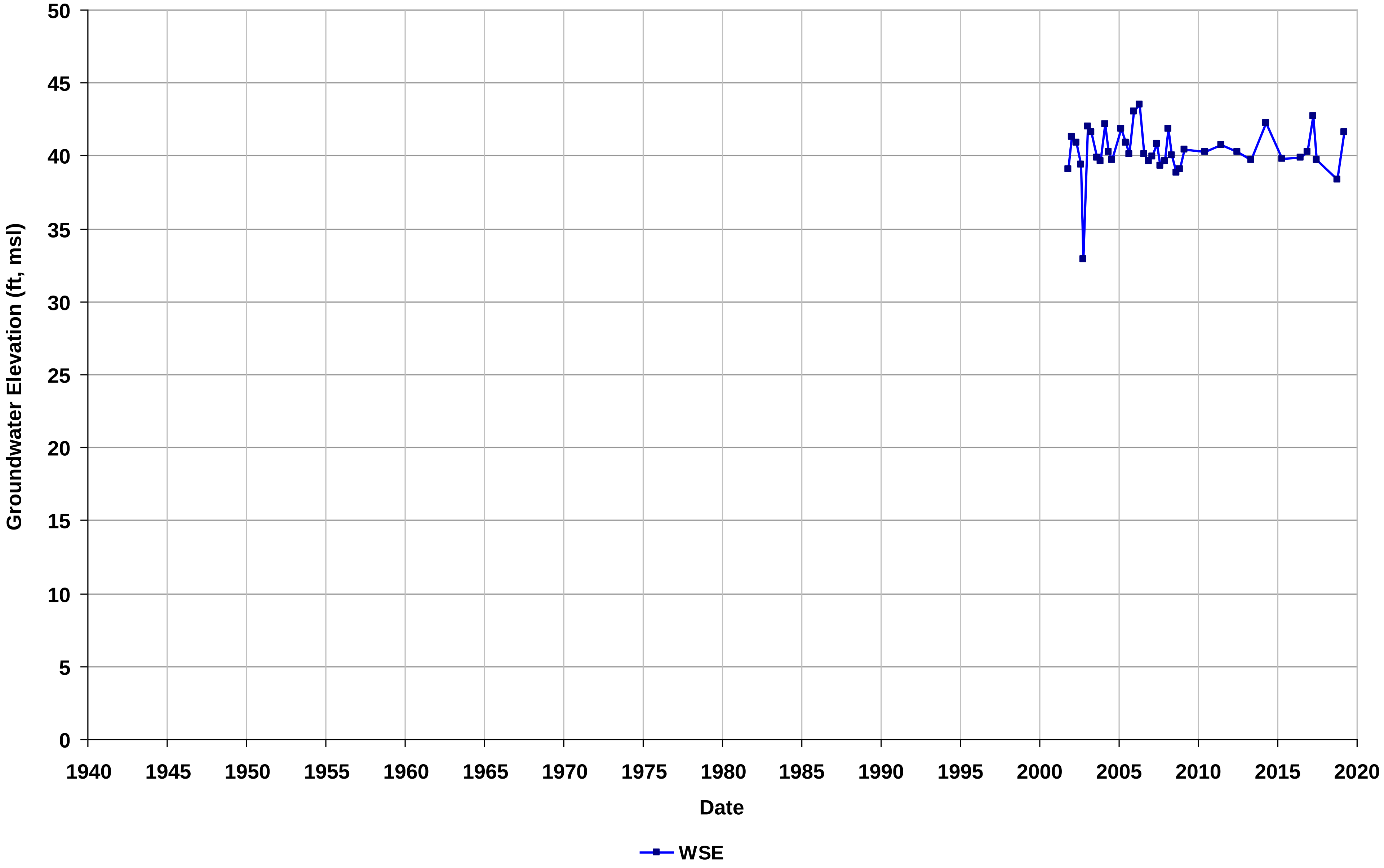
Well Name: T0600101557-OW1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/03
Well Use: Observation



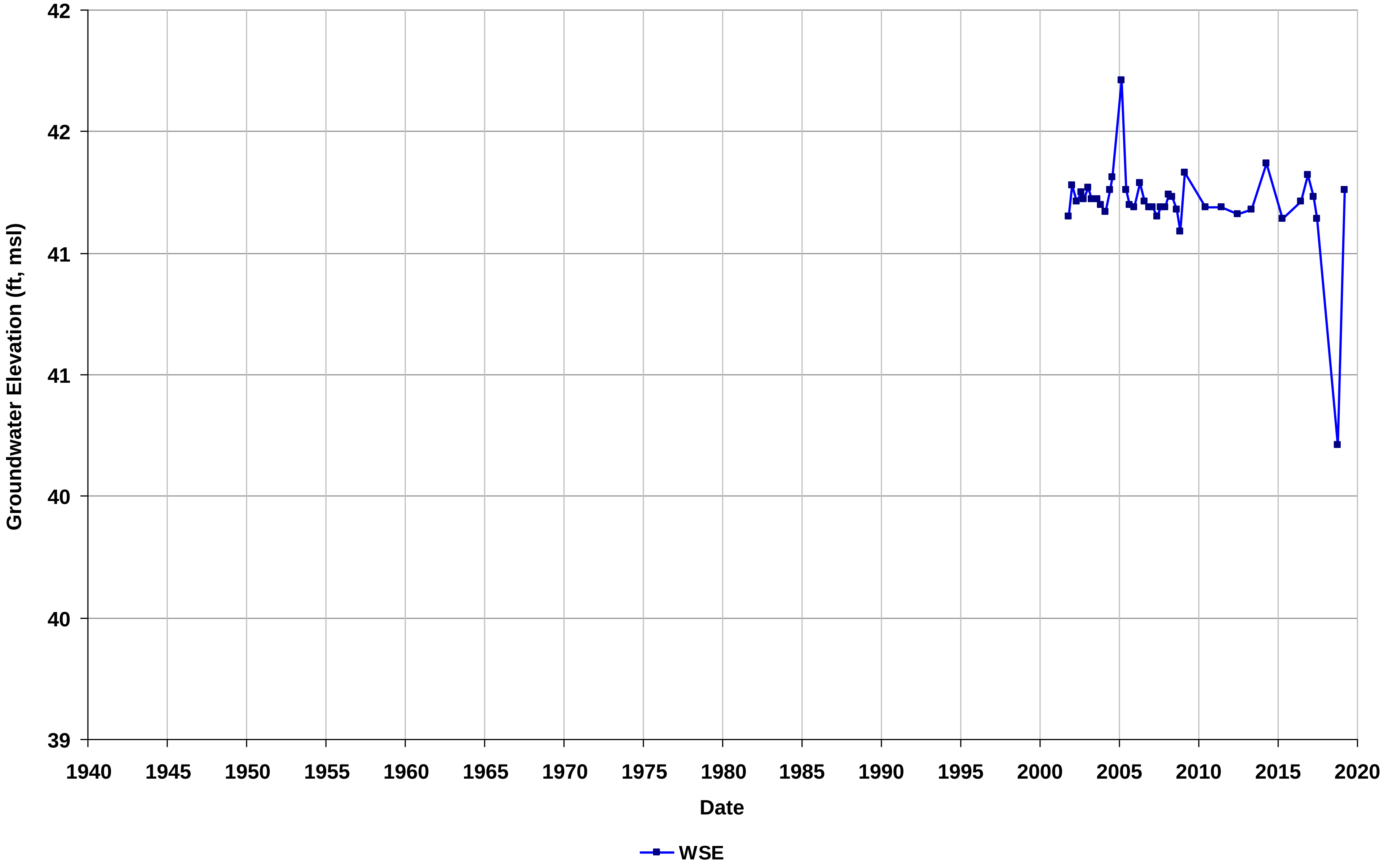
Well Name: T0600101557-P1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/03
Well Use: Observation



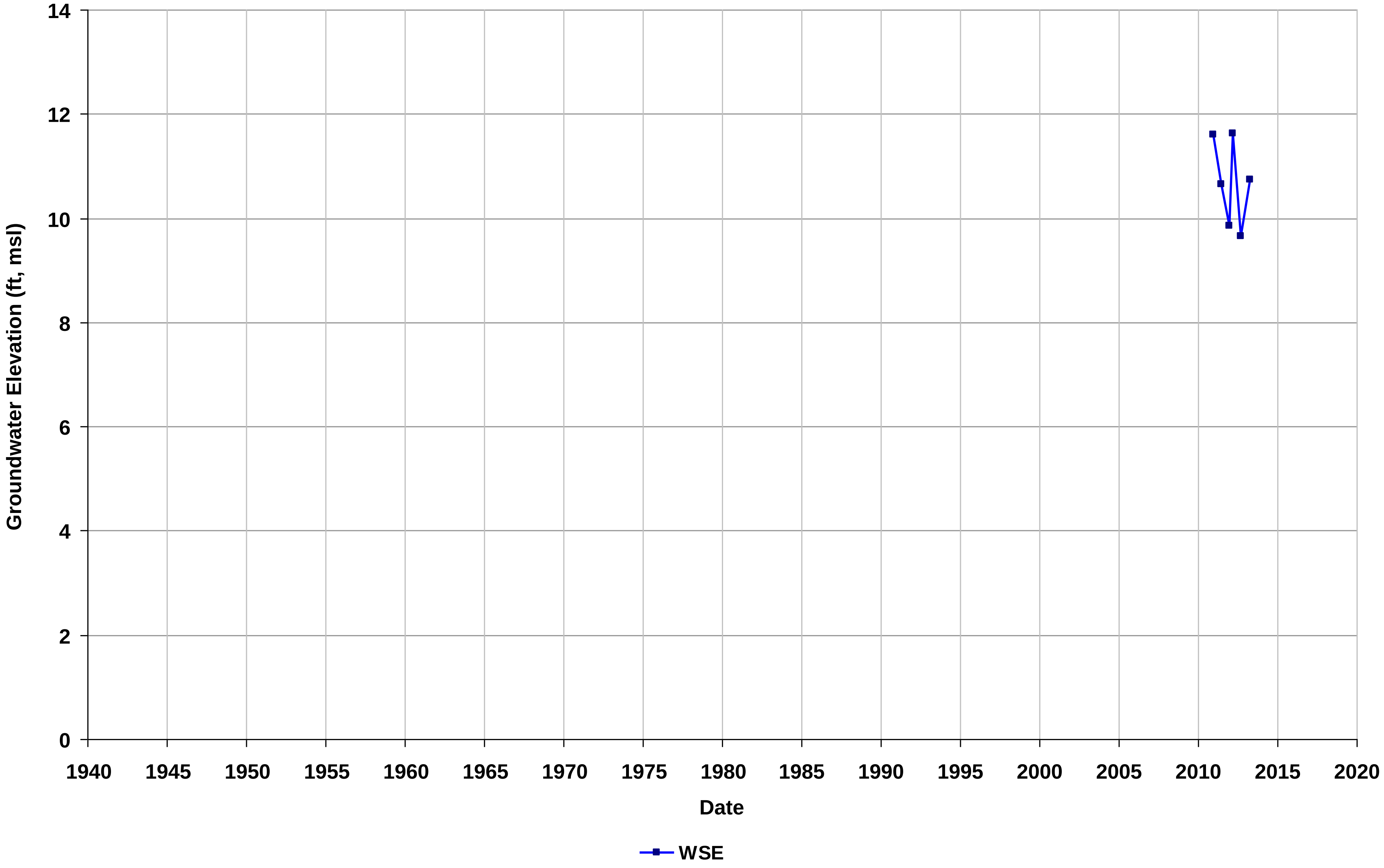
Well Name: T0600101557-TEW4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/03
Well Use: Observation



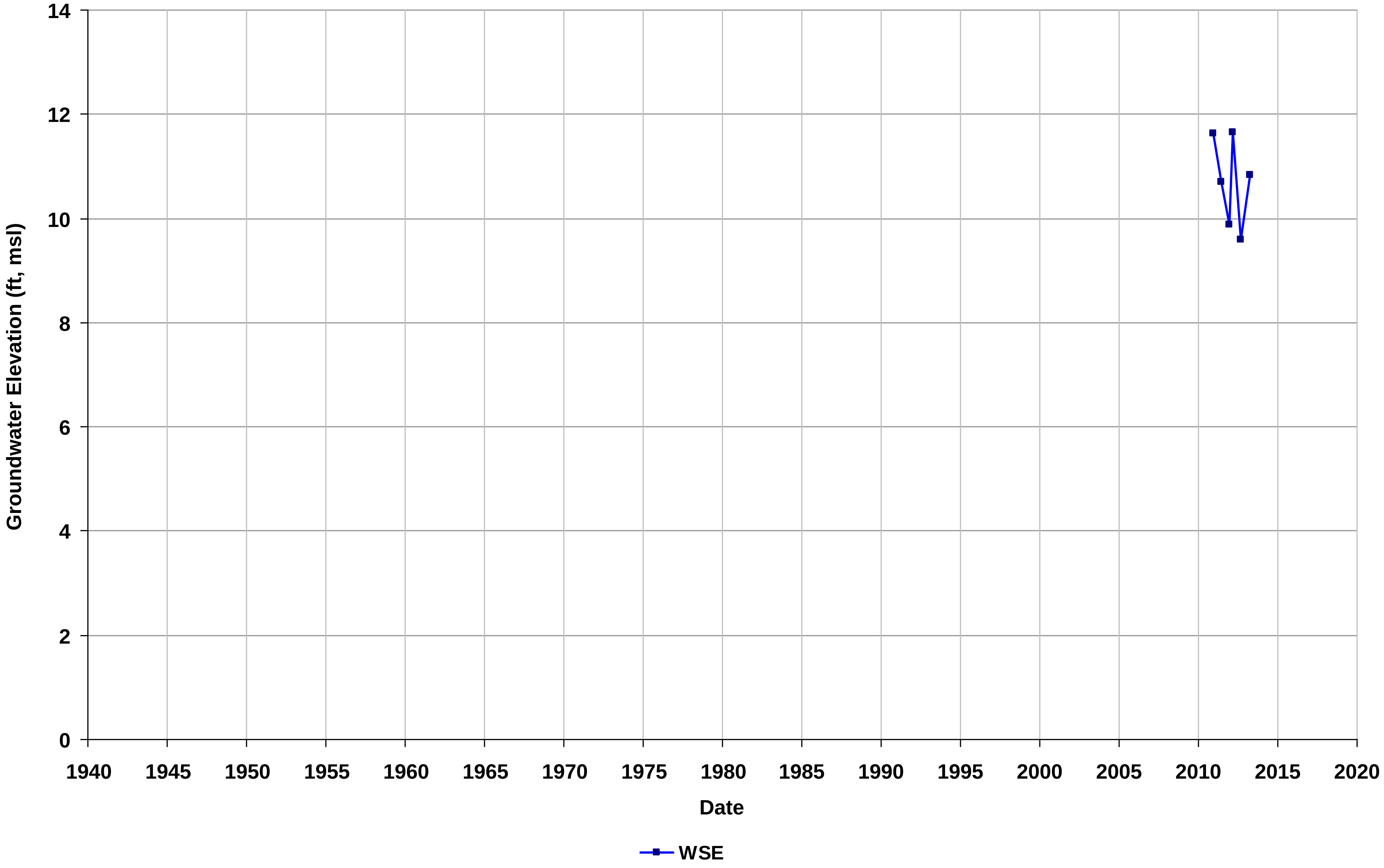
Well Name: T0600101592-E-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/22
Well Use: Observation



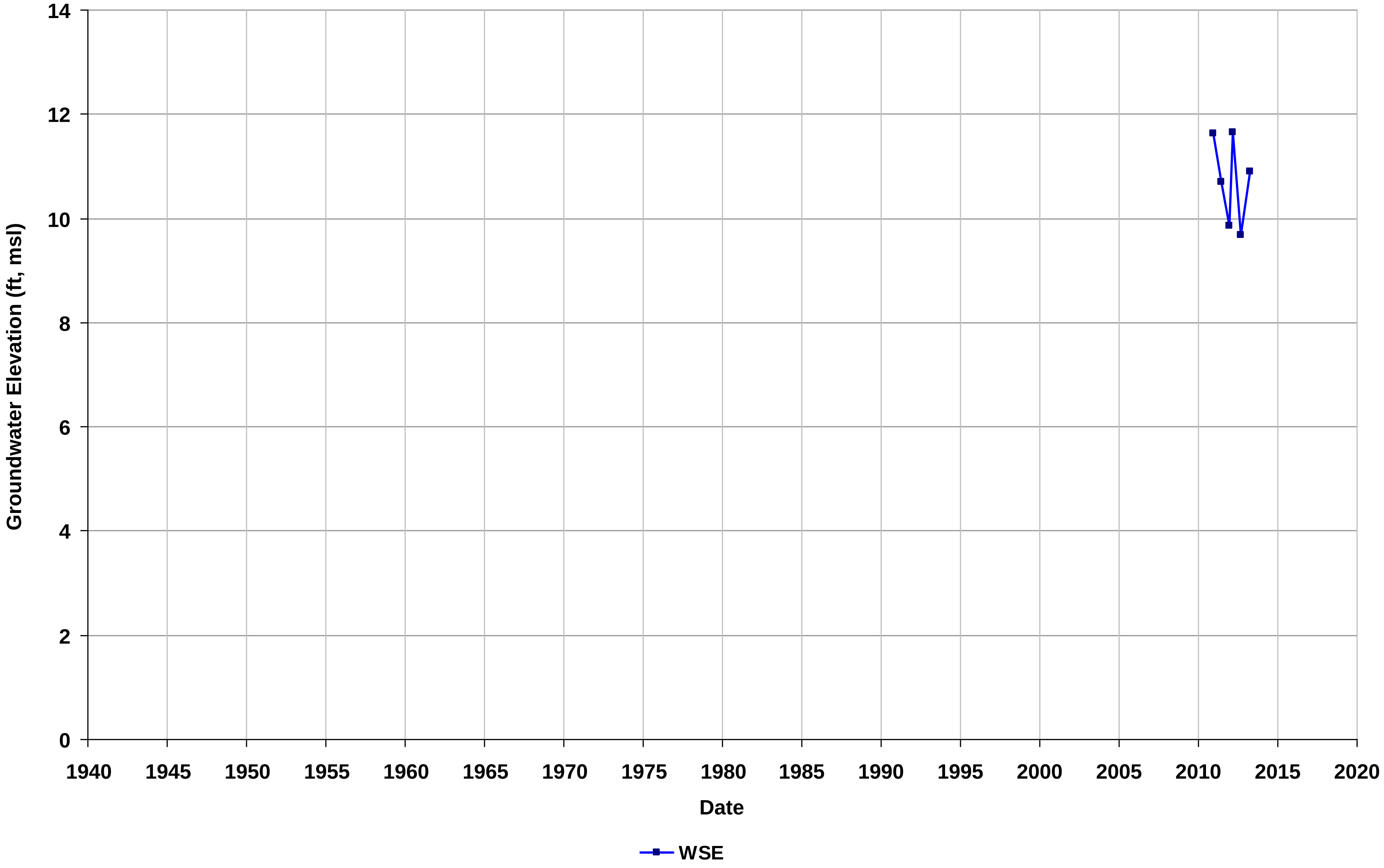
Well Name: T0600101592-E-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/22
Well Use: Observation



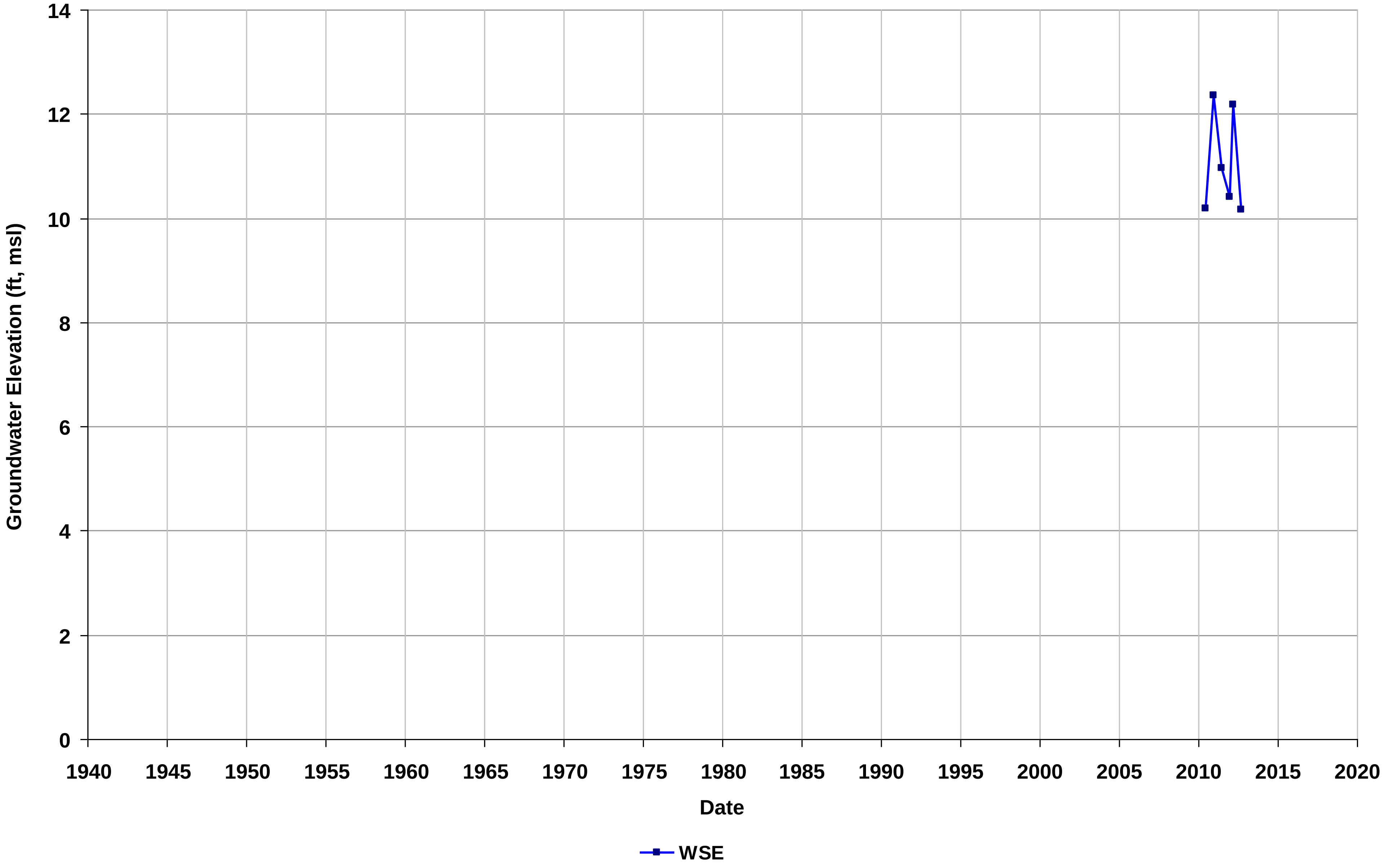
Well Name: T0600101592-E-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/22
Well Use: Observation



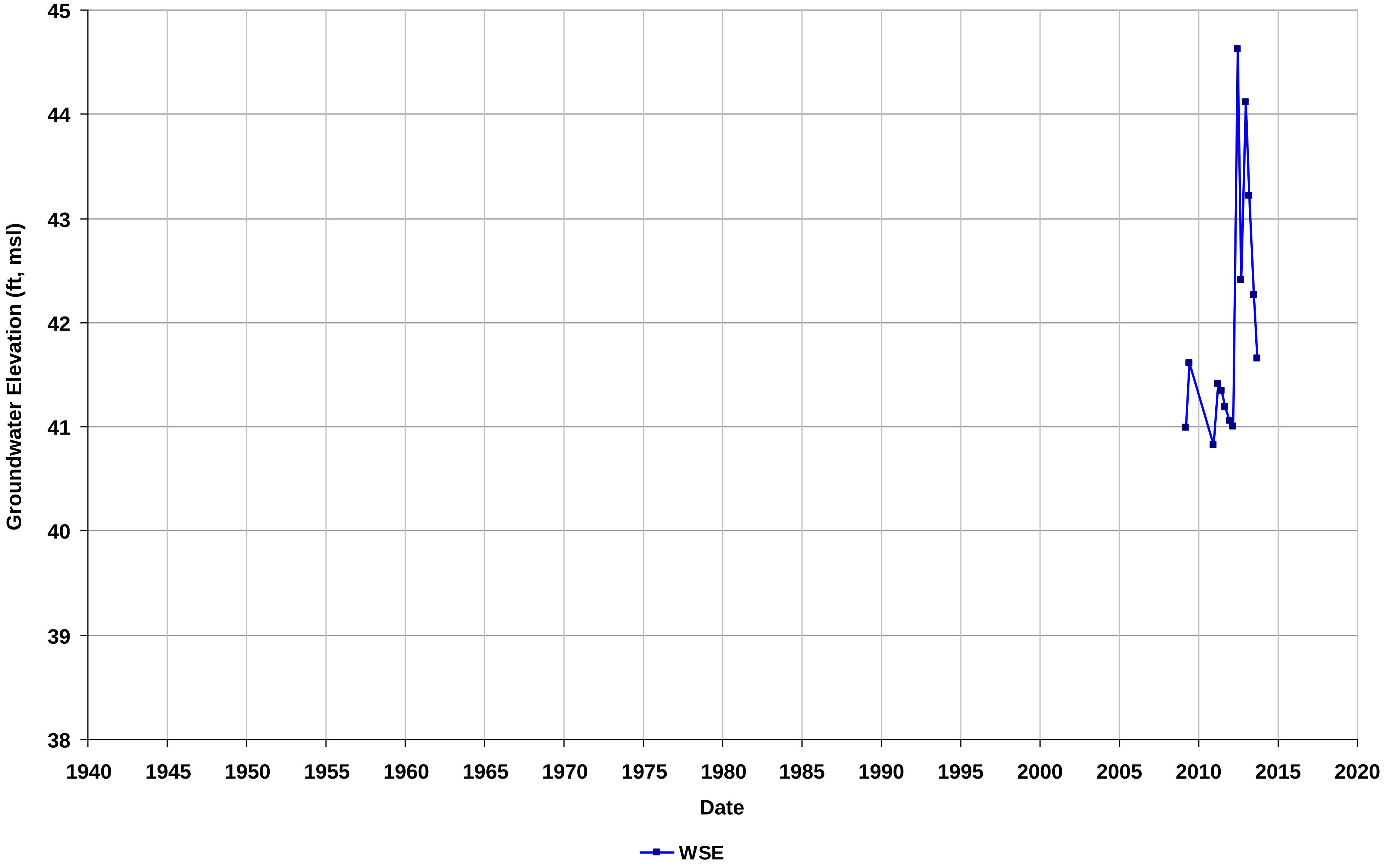
Well Name: T0600101592-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/22
Well Use: Observation



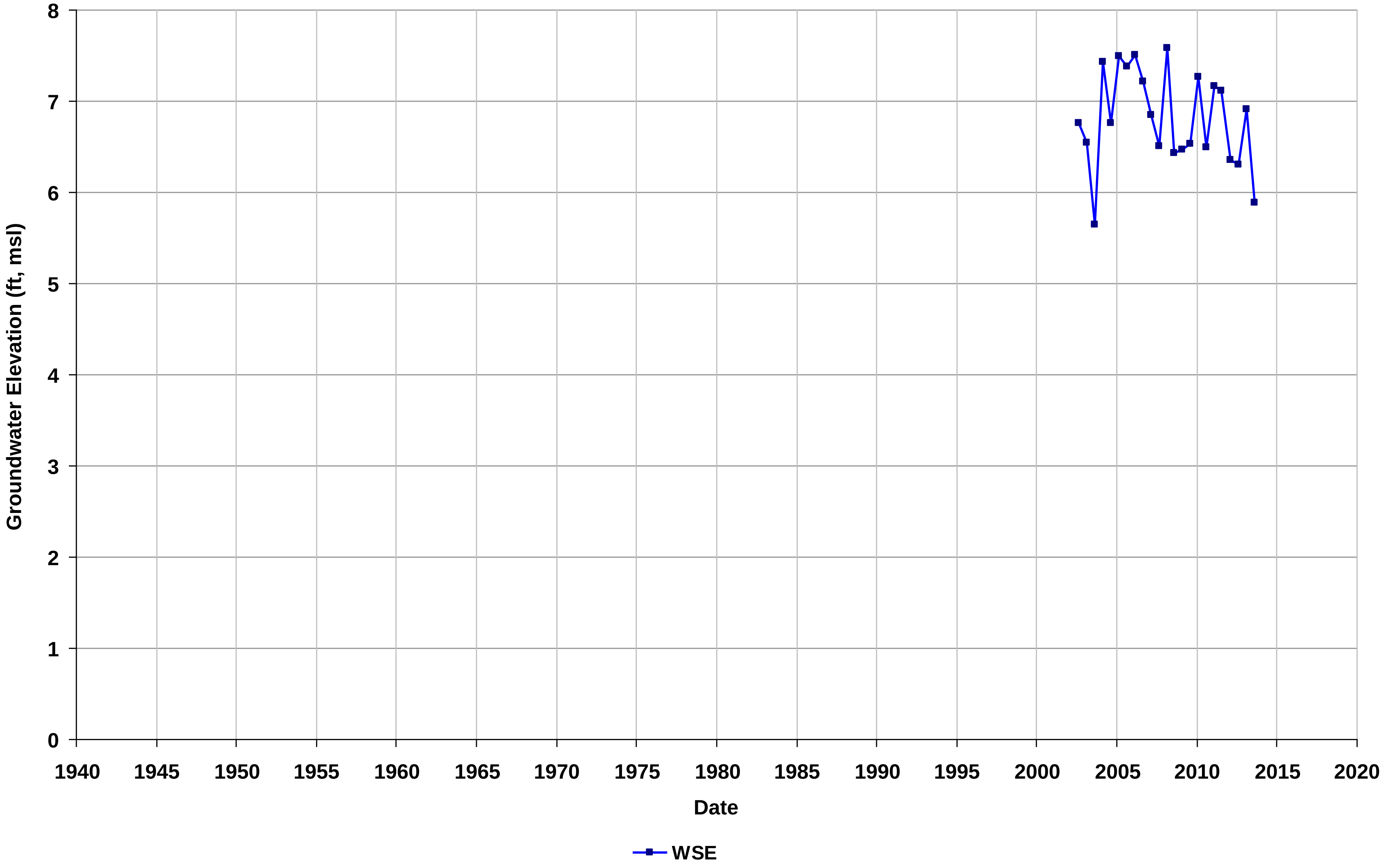
Well Name: T0600101644-MW8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/34
Well Use: Observation



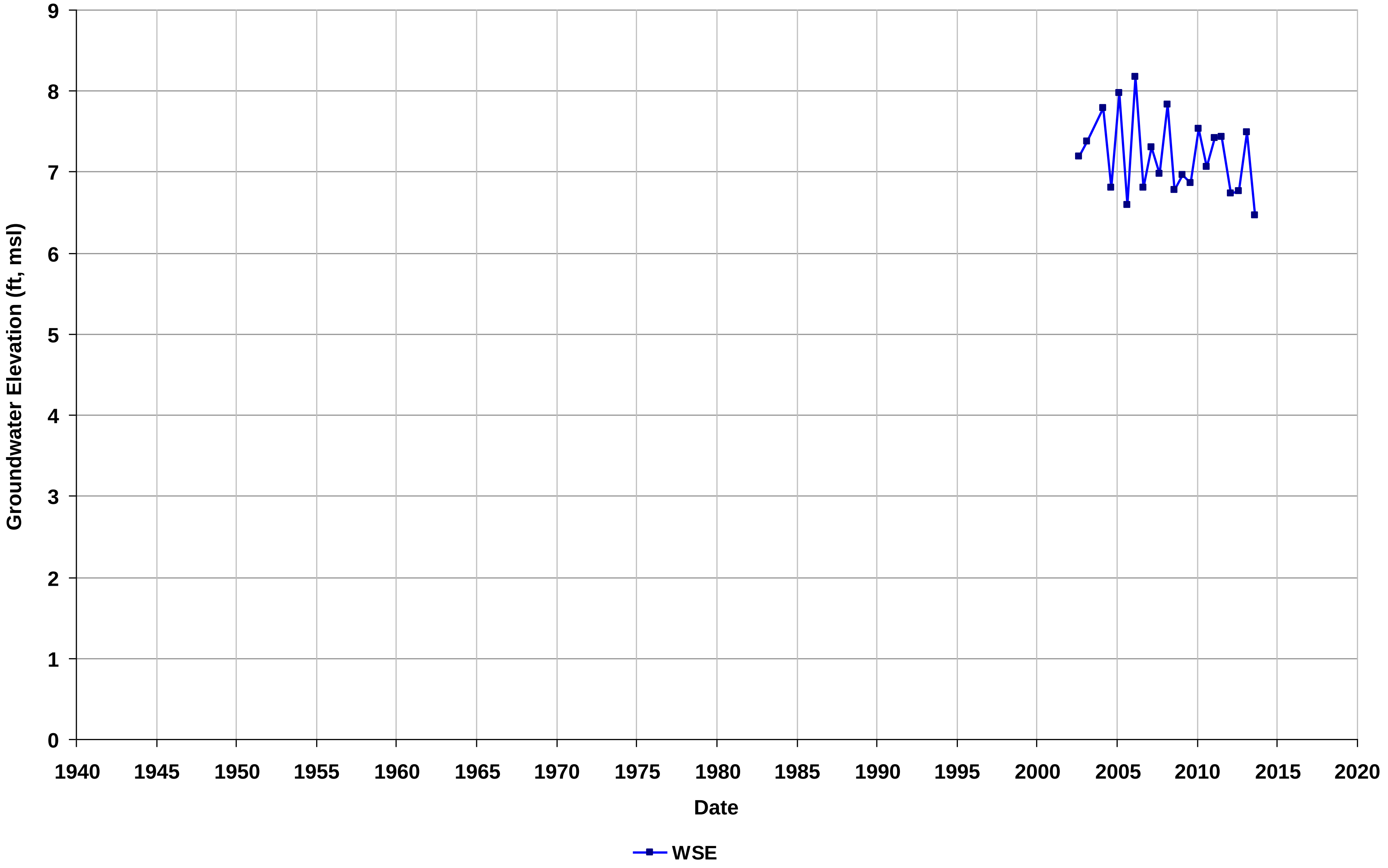
Well Name: T0600101651-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/04W/11
Well Use: Observation



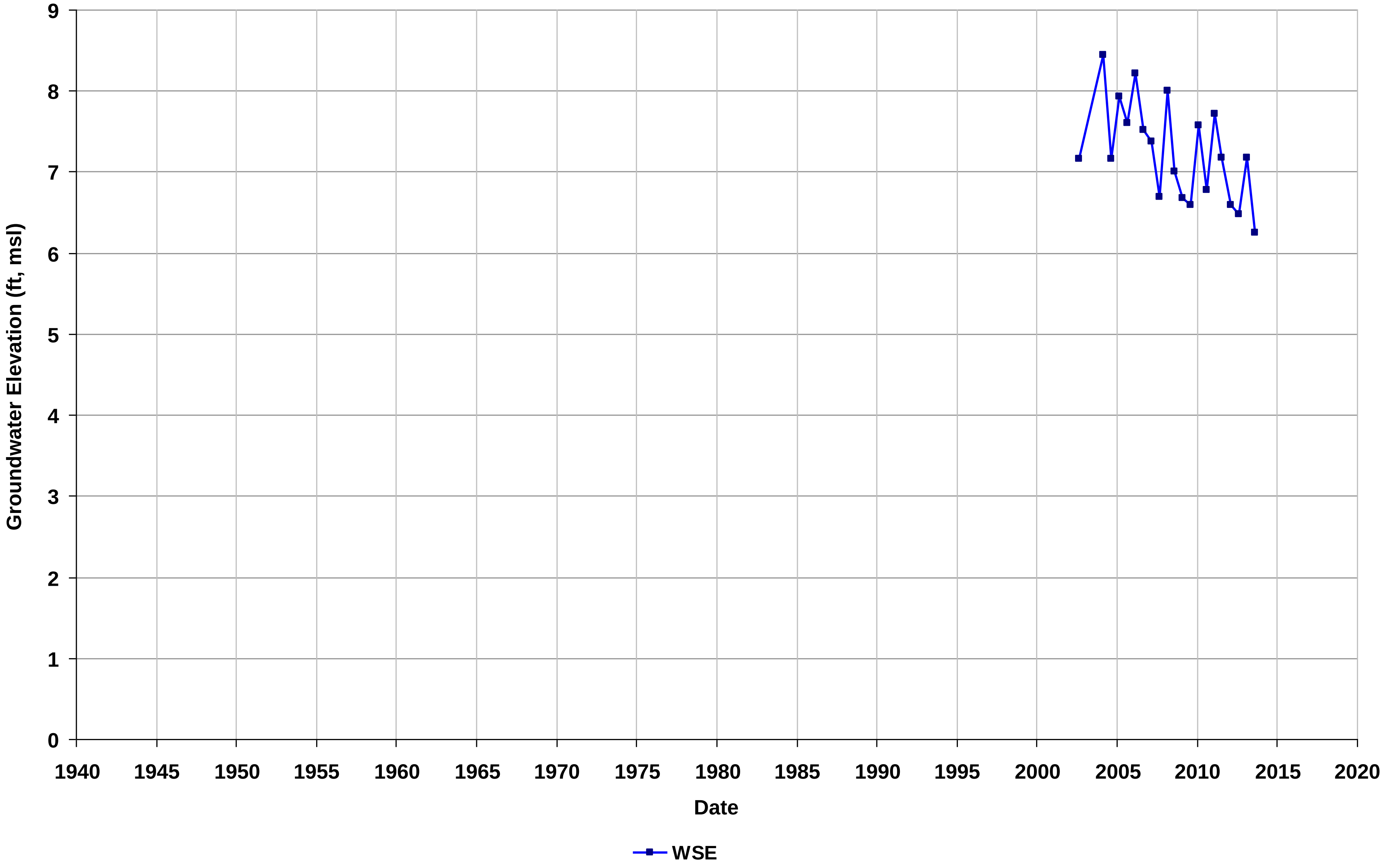
Well Name: T0600101651-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/04W/11
Well Use: Observation



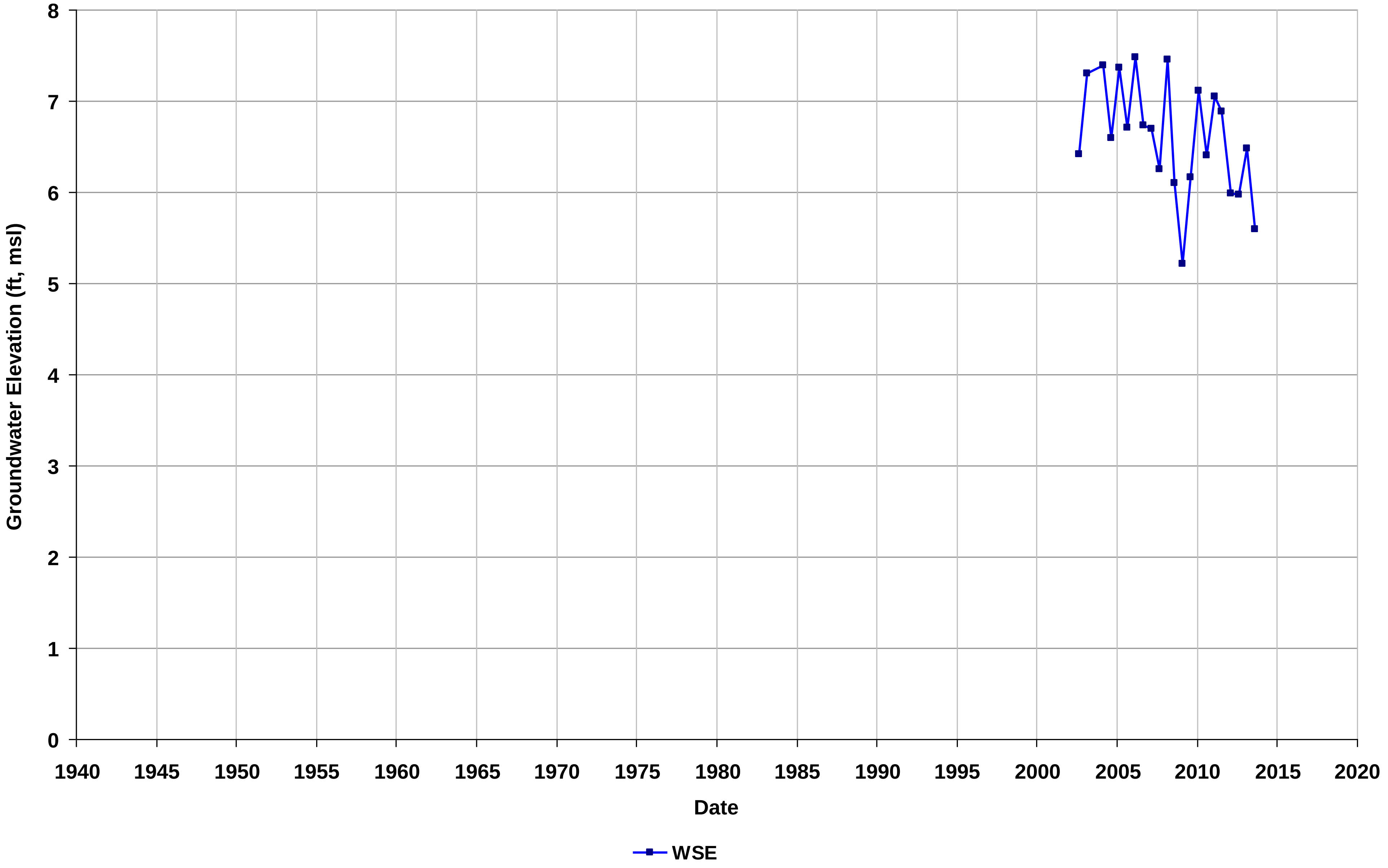
Well Name: T0600101651-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/04W/11
Well Use: Observation



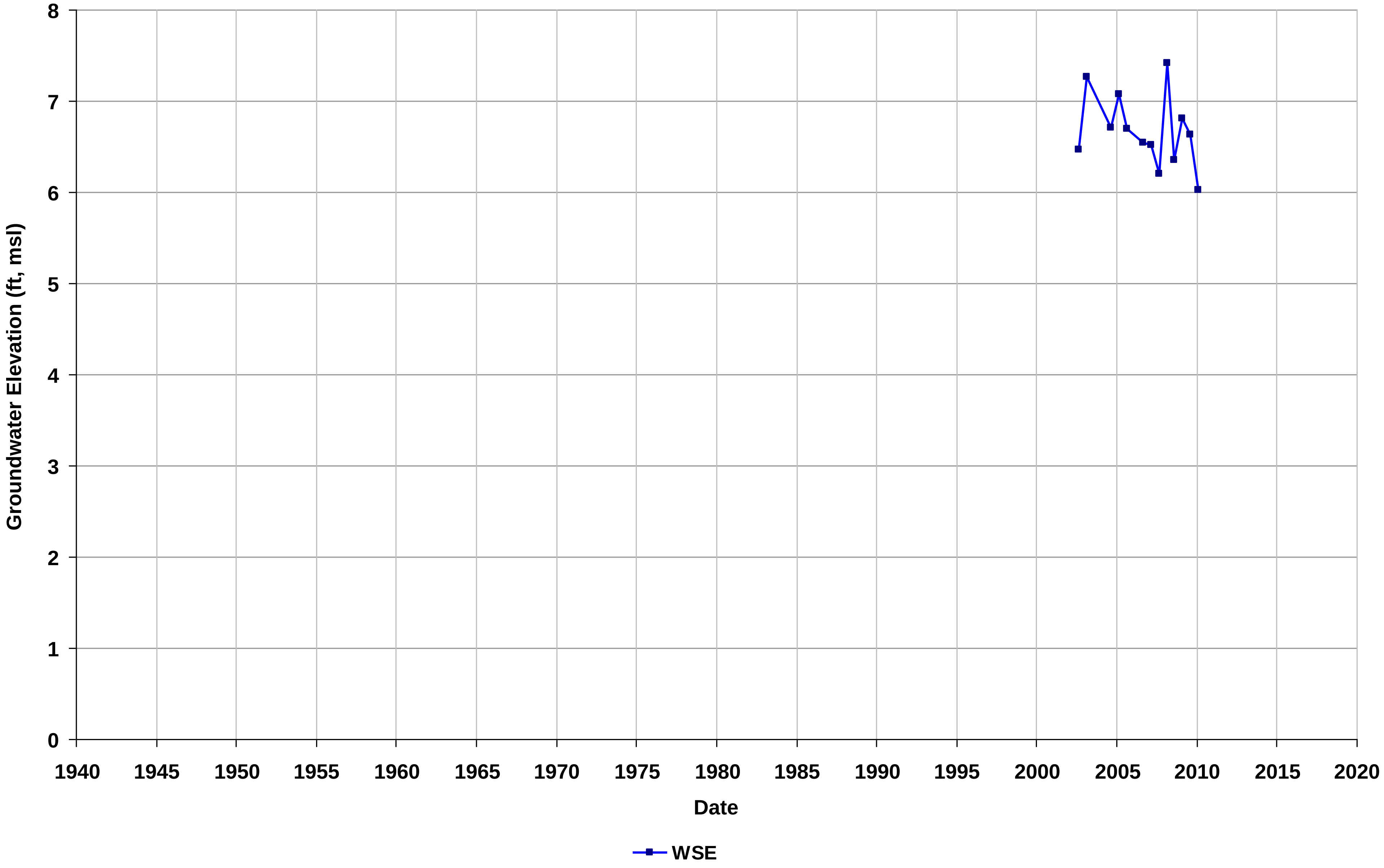
Well Name: T0600101651-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/04W/11
Well Use: Observation



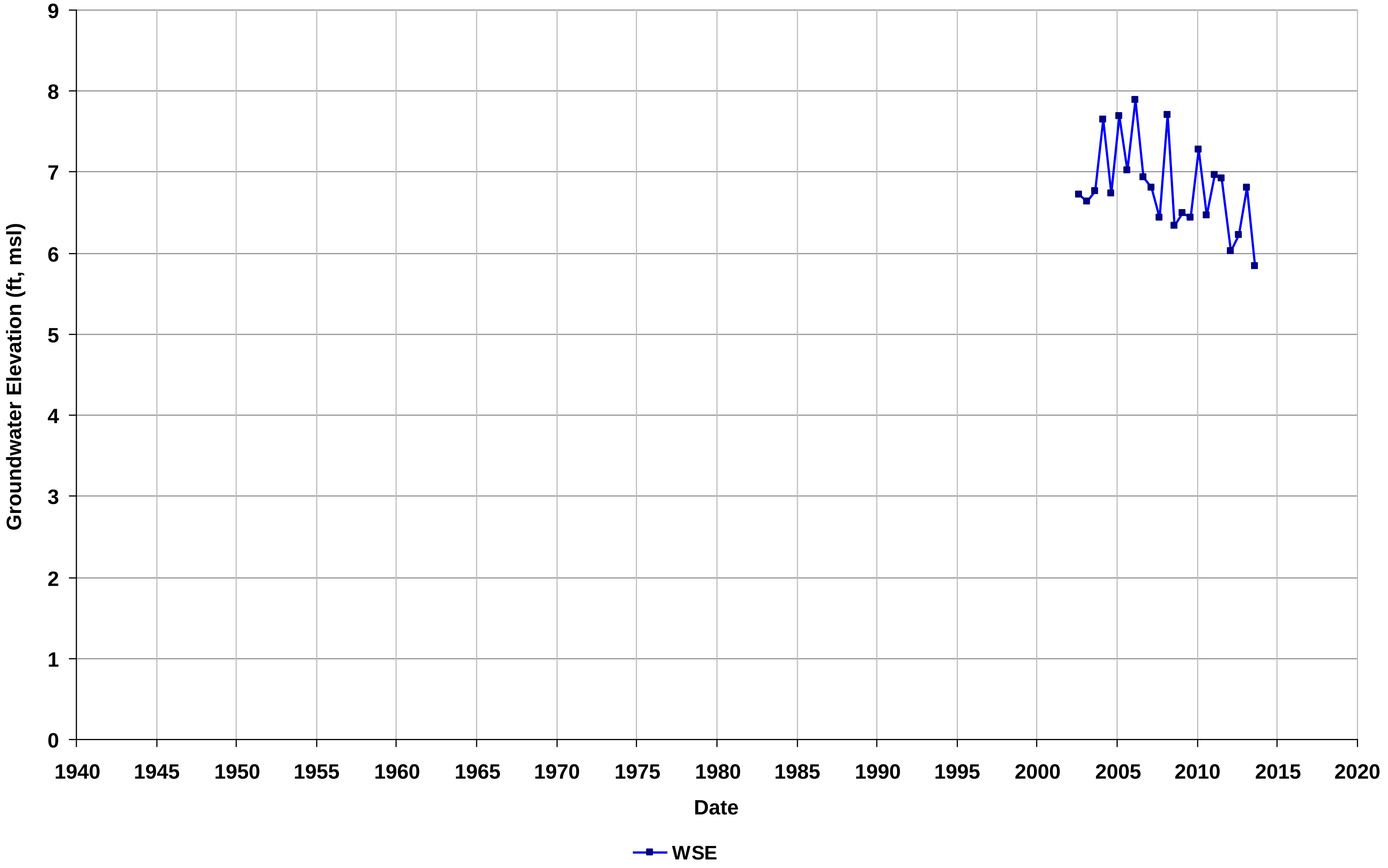
Well Name: T0600101651-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/04W/11
Well Use: Observation



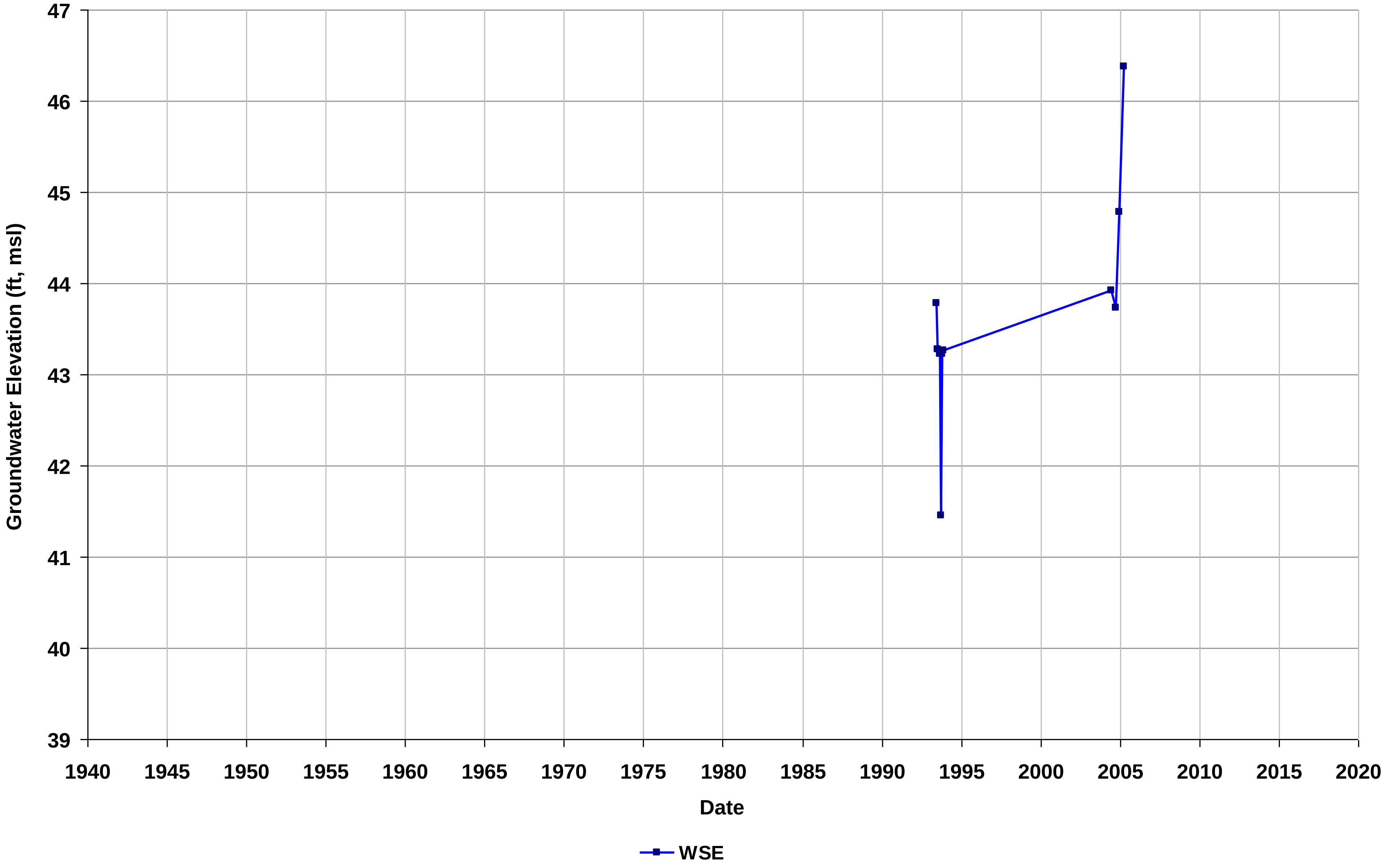
Well Name: T0600101651-RW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/04W/11
Well Use: Observation



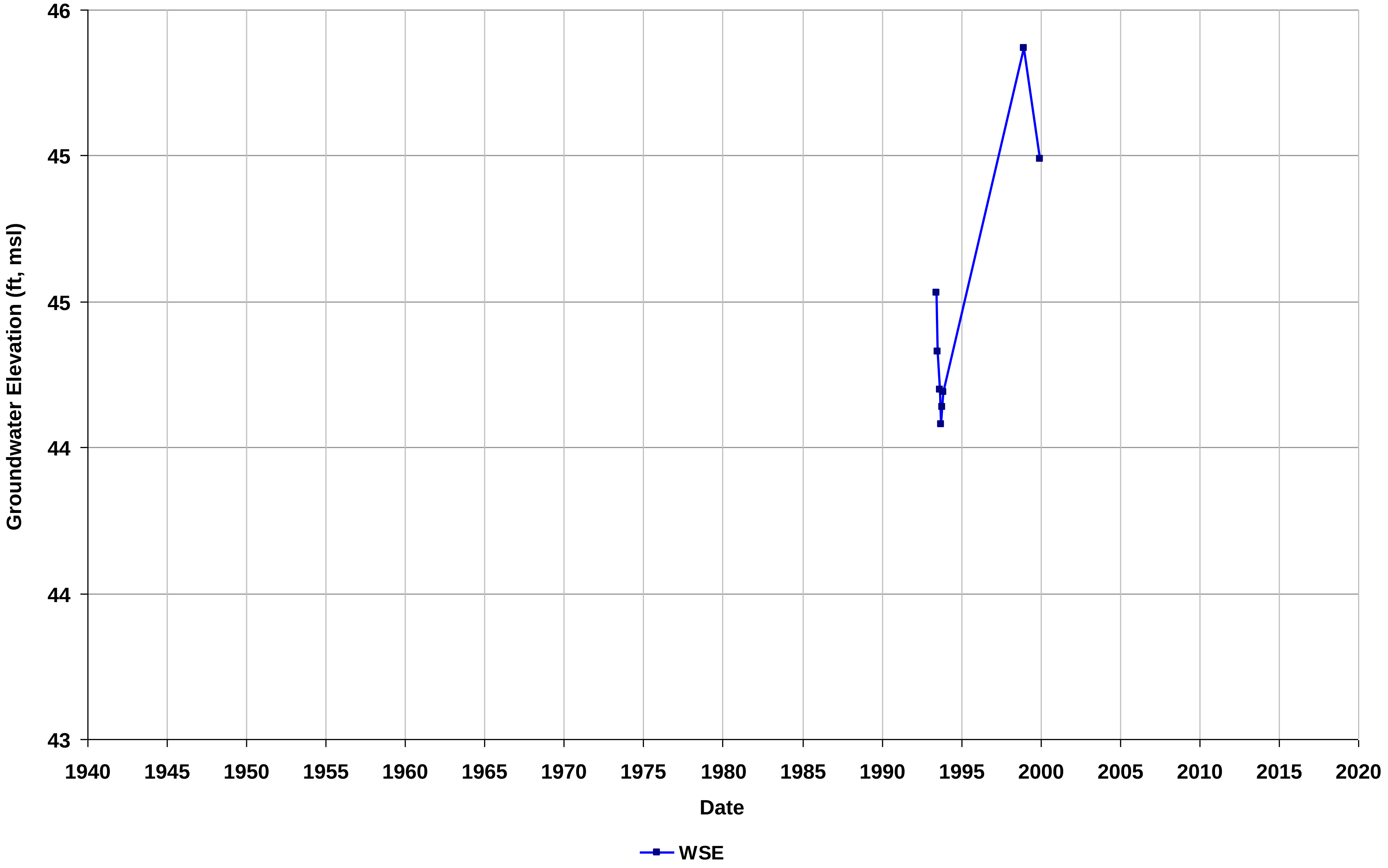
Well Name: T0600101659-MW-B1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



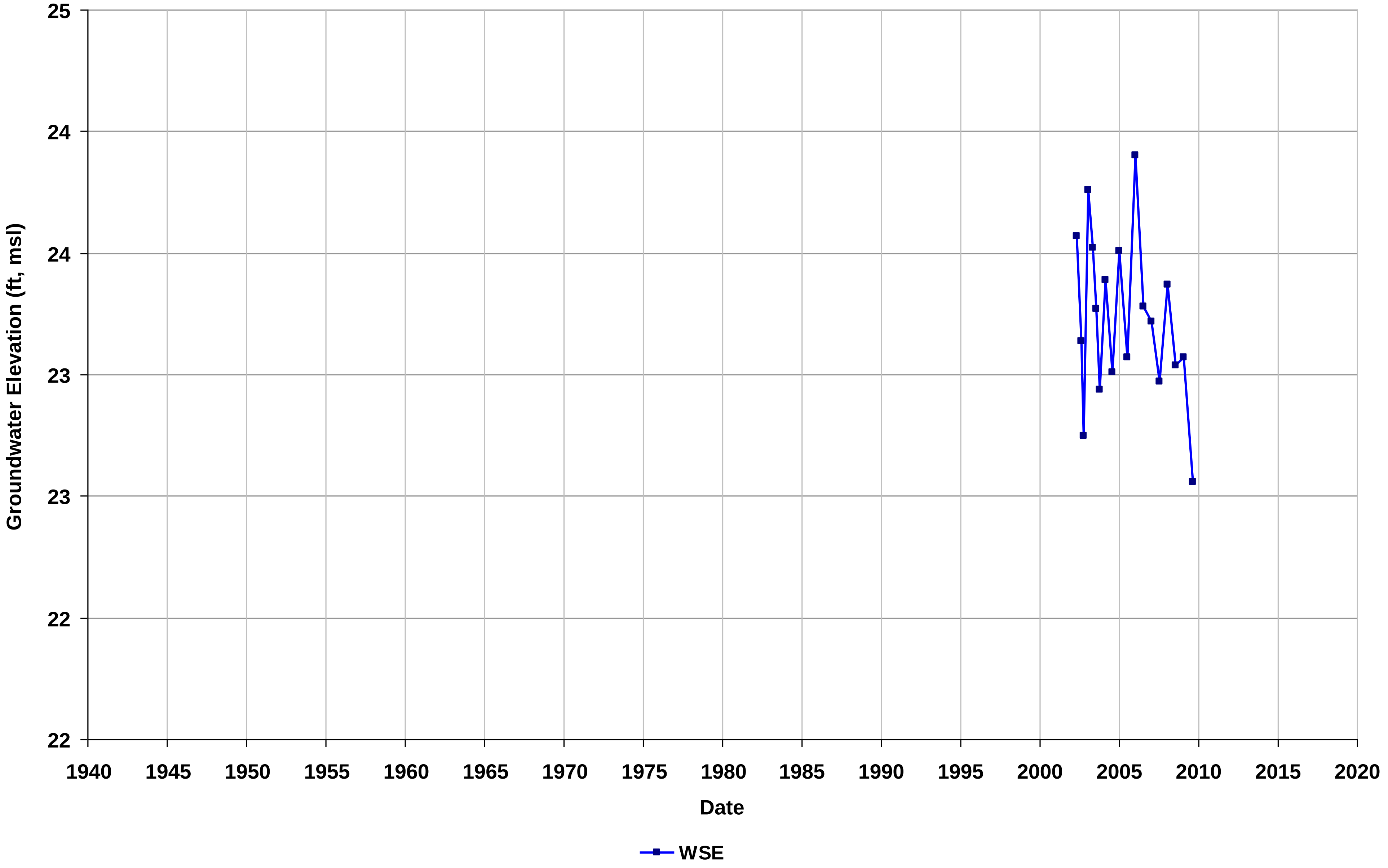
Well Name: T0600101659-MW-LD4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/23
Well Use: Observation



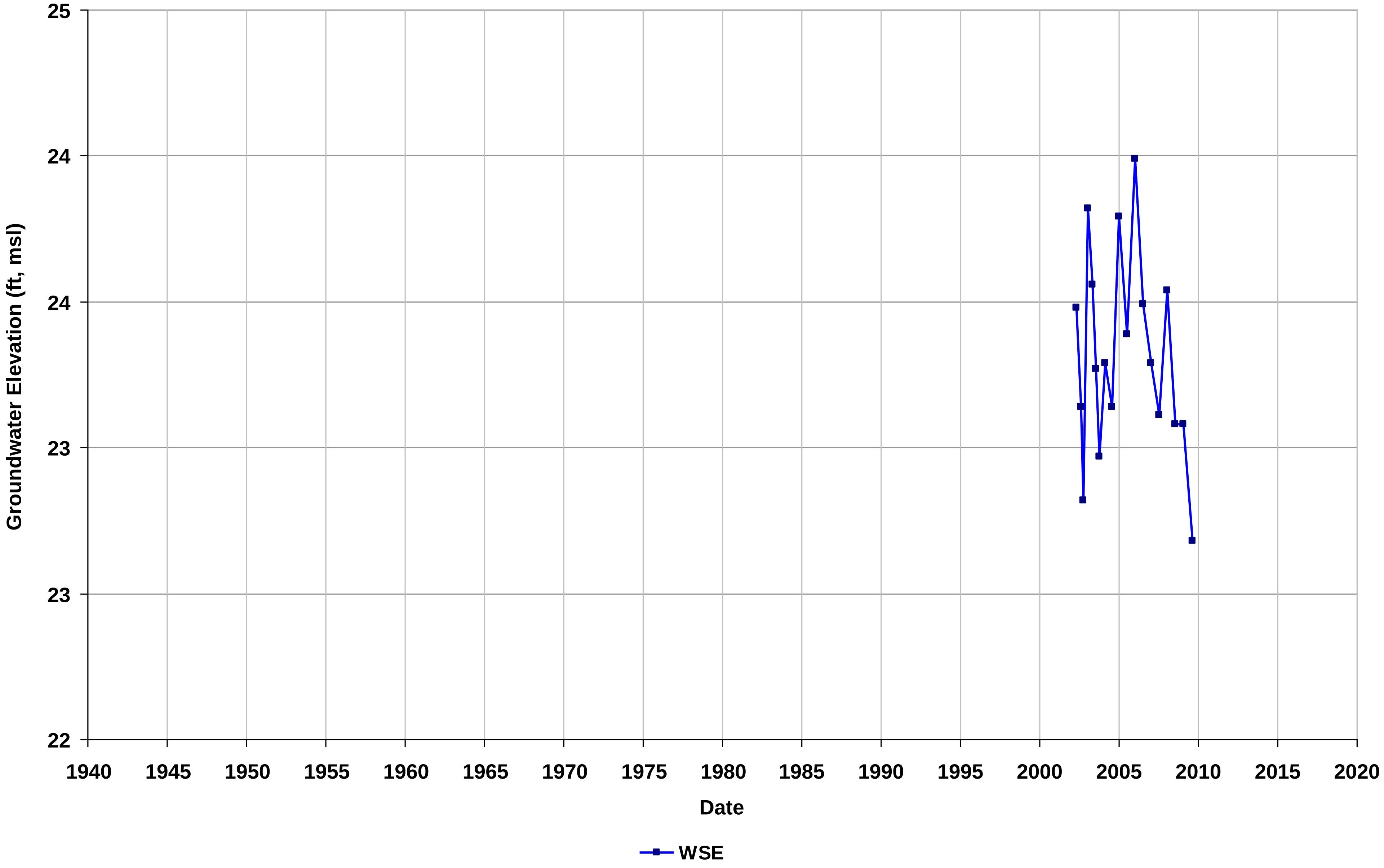
Well Name: T0600101665-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/18
Well Use: Observation



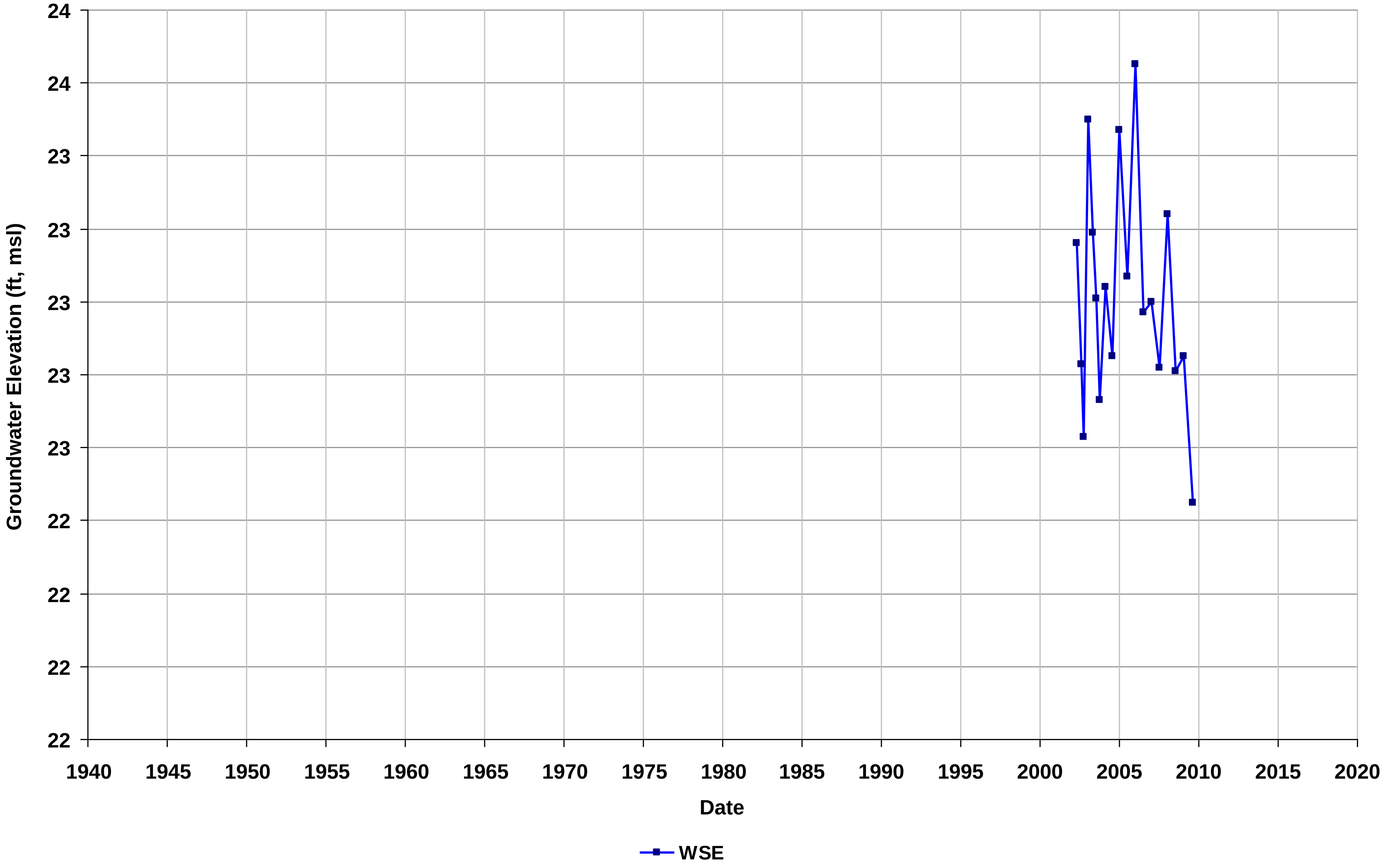
Well Name: T0600101665-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/18
Well Use: Observation



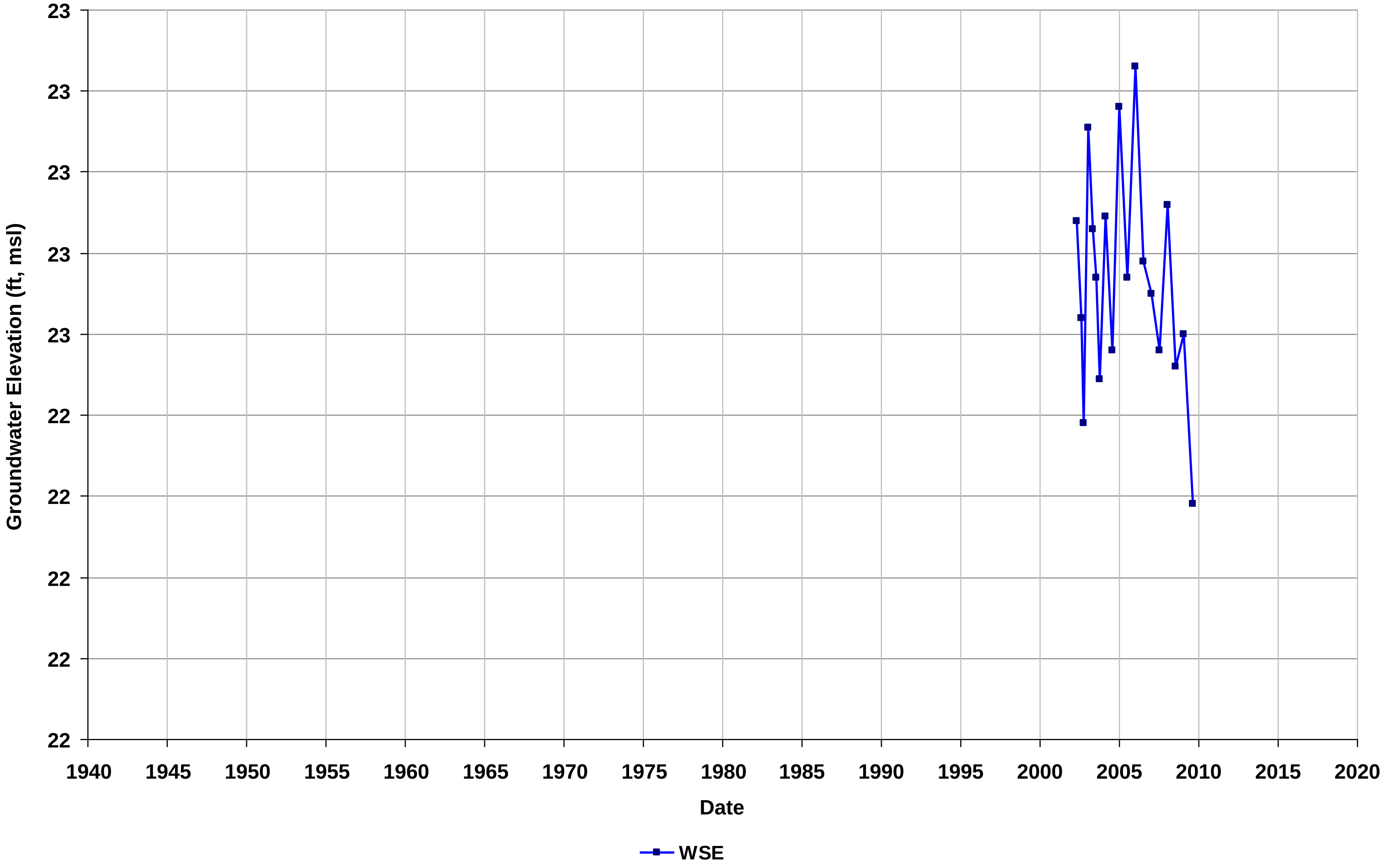
Well Name: T0600101665-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/18
Well Use: Observation



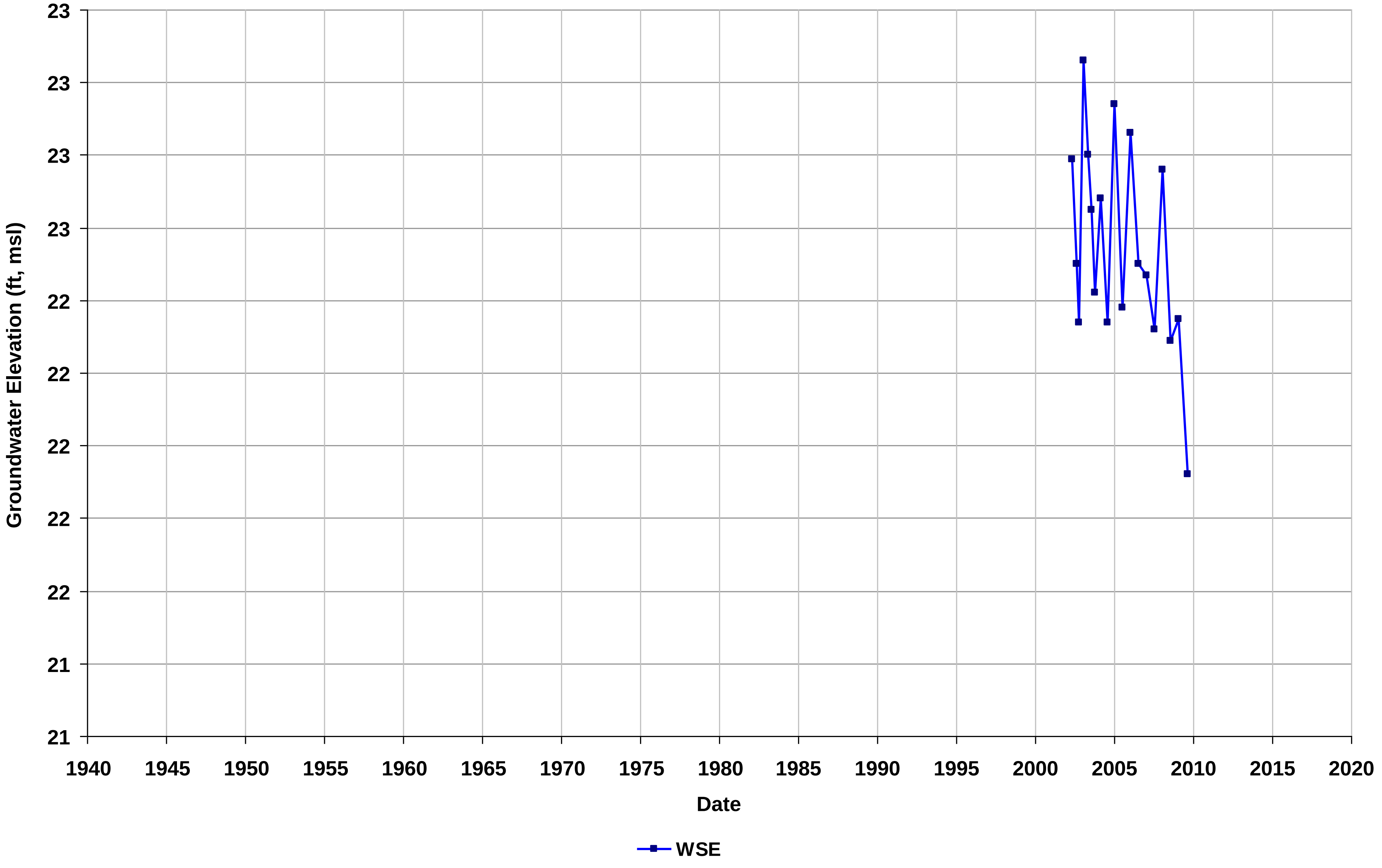
Well Name: T0600101665-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/18
Well Use: Observation



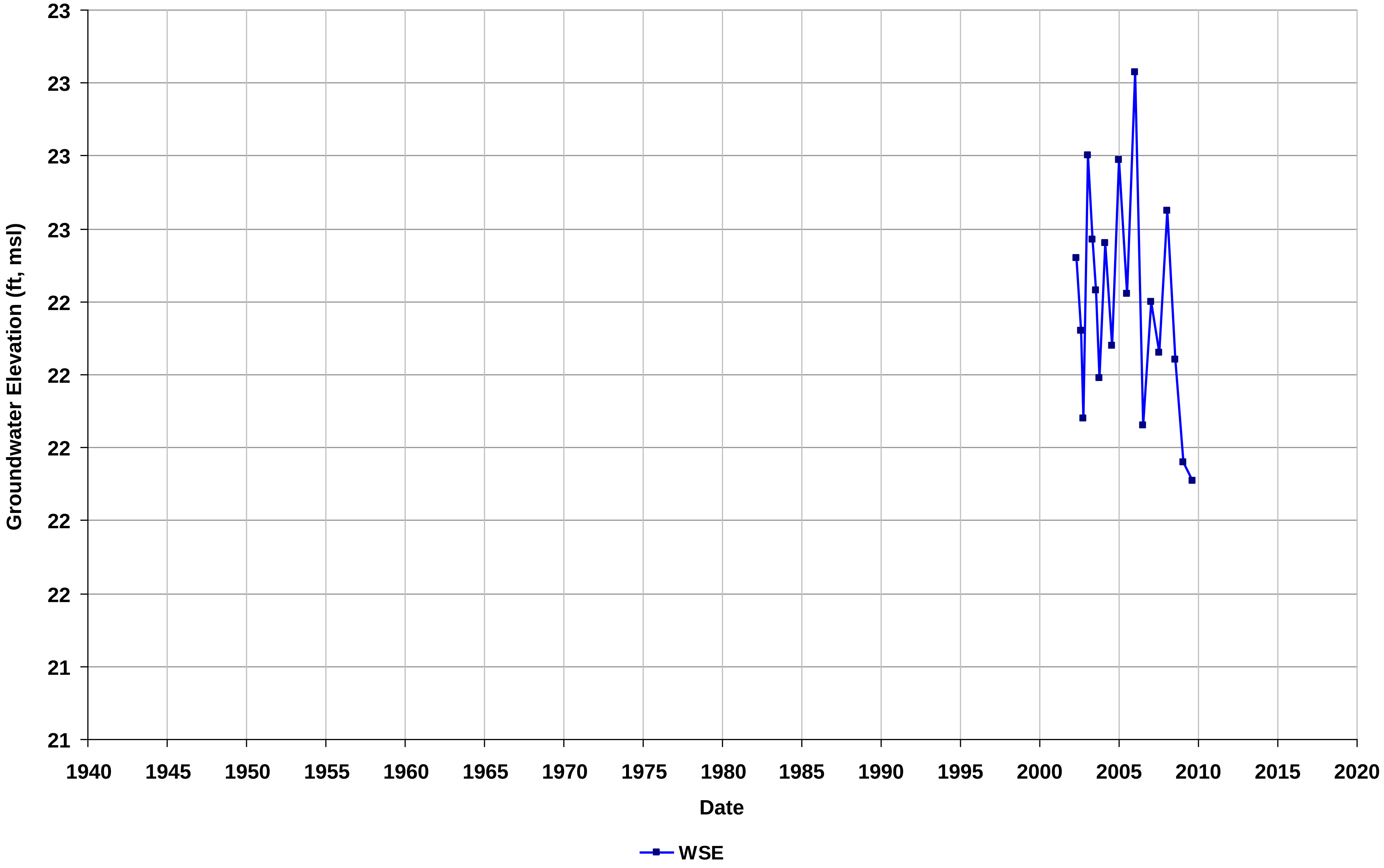
Well Name: T0600101665-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/18
Well Use: Observation



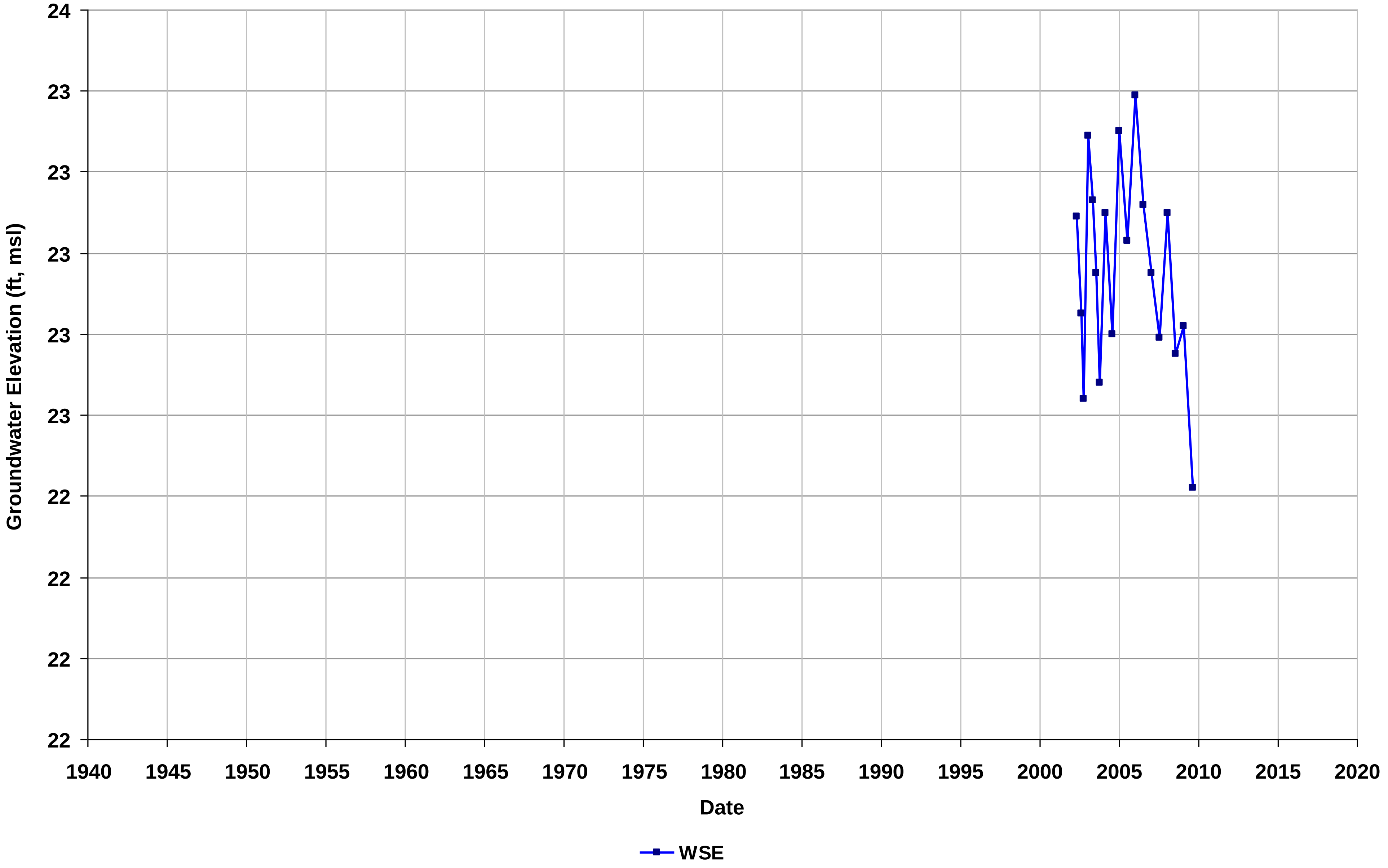
Well Name: T0600101665-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/18
Well Use: Observation



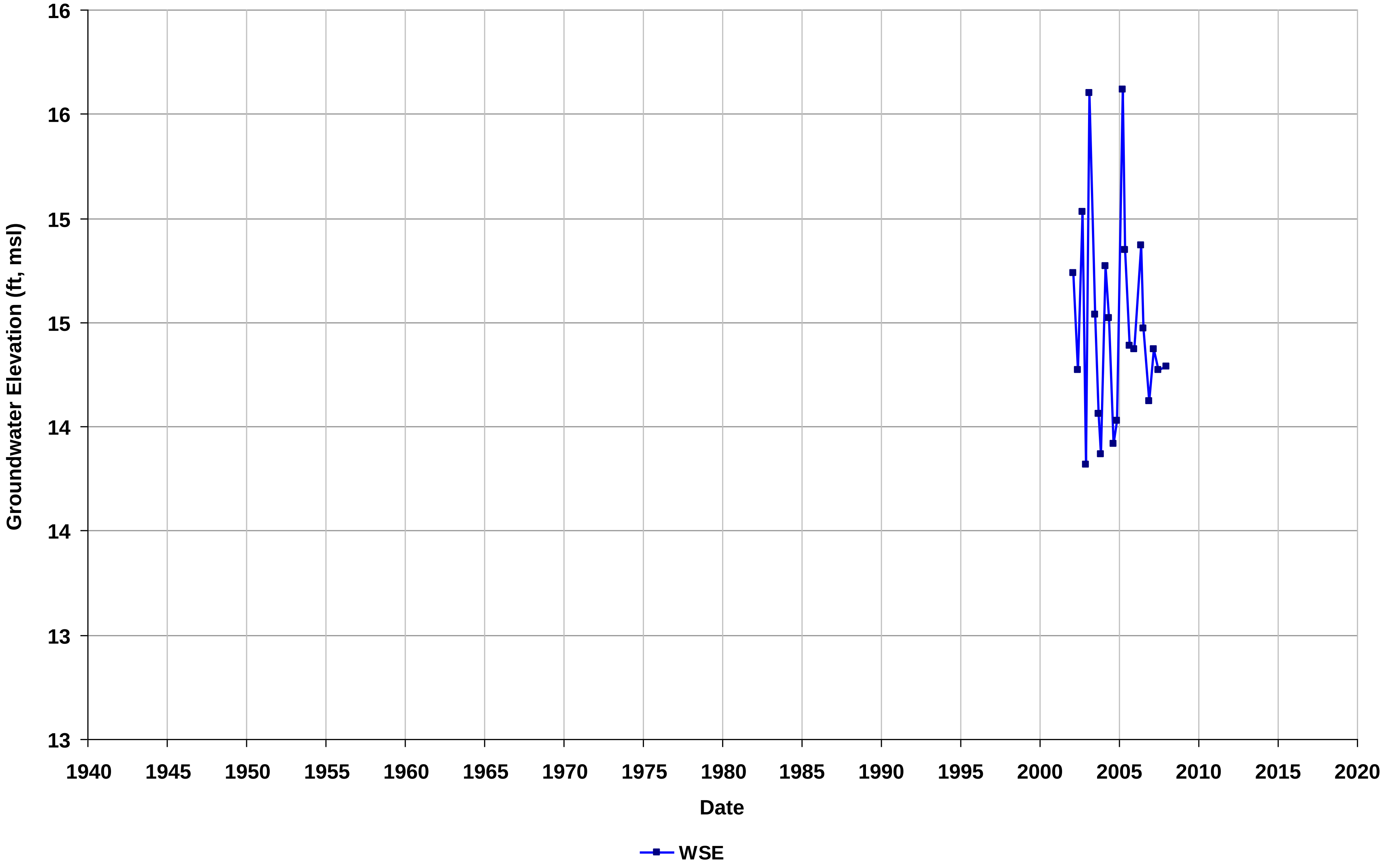
Well Name: T0600101665-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/18
Well Use: Observation



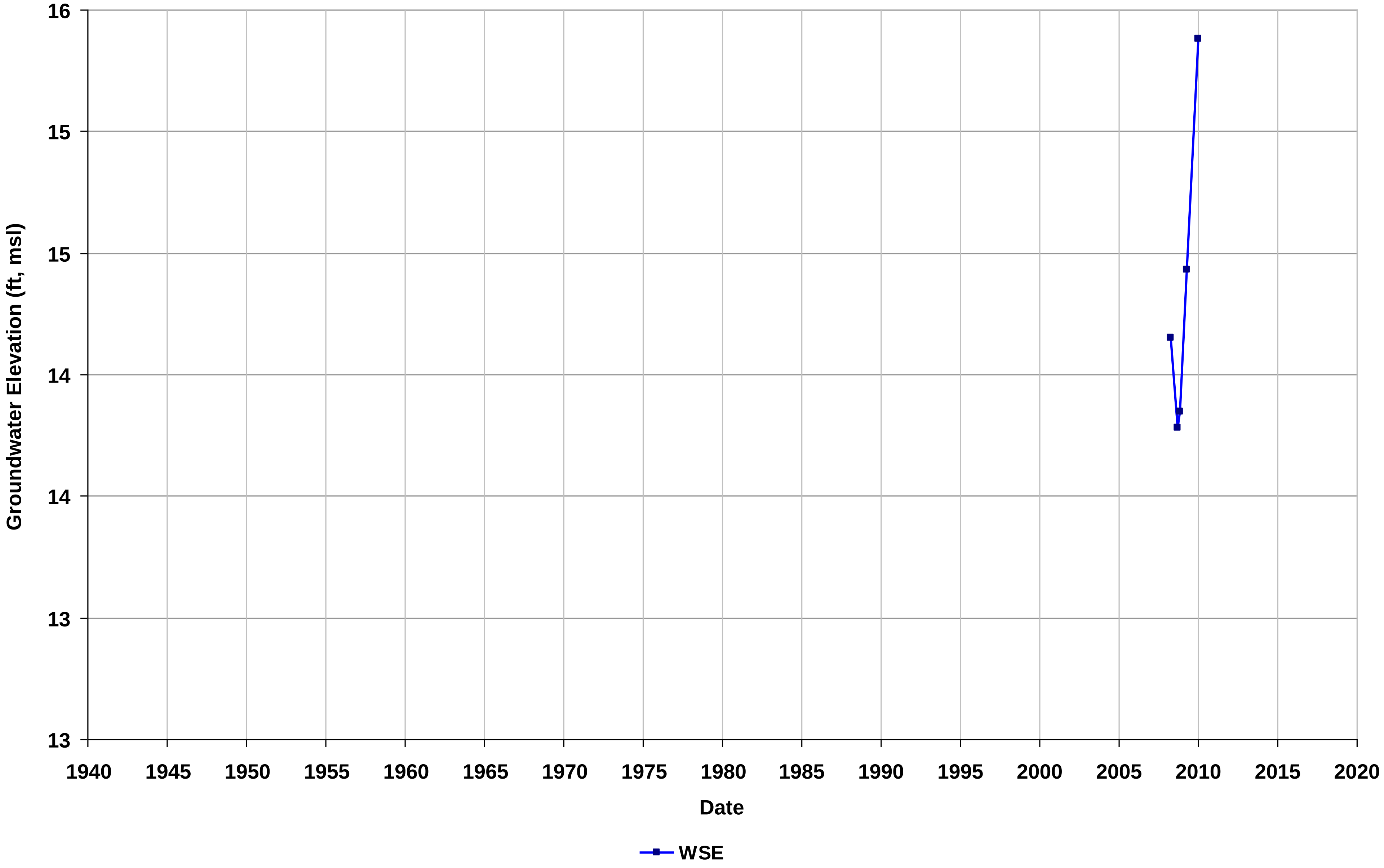
Well Name: T0600101672-MW-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



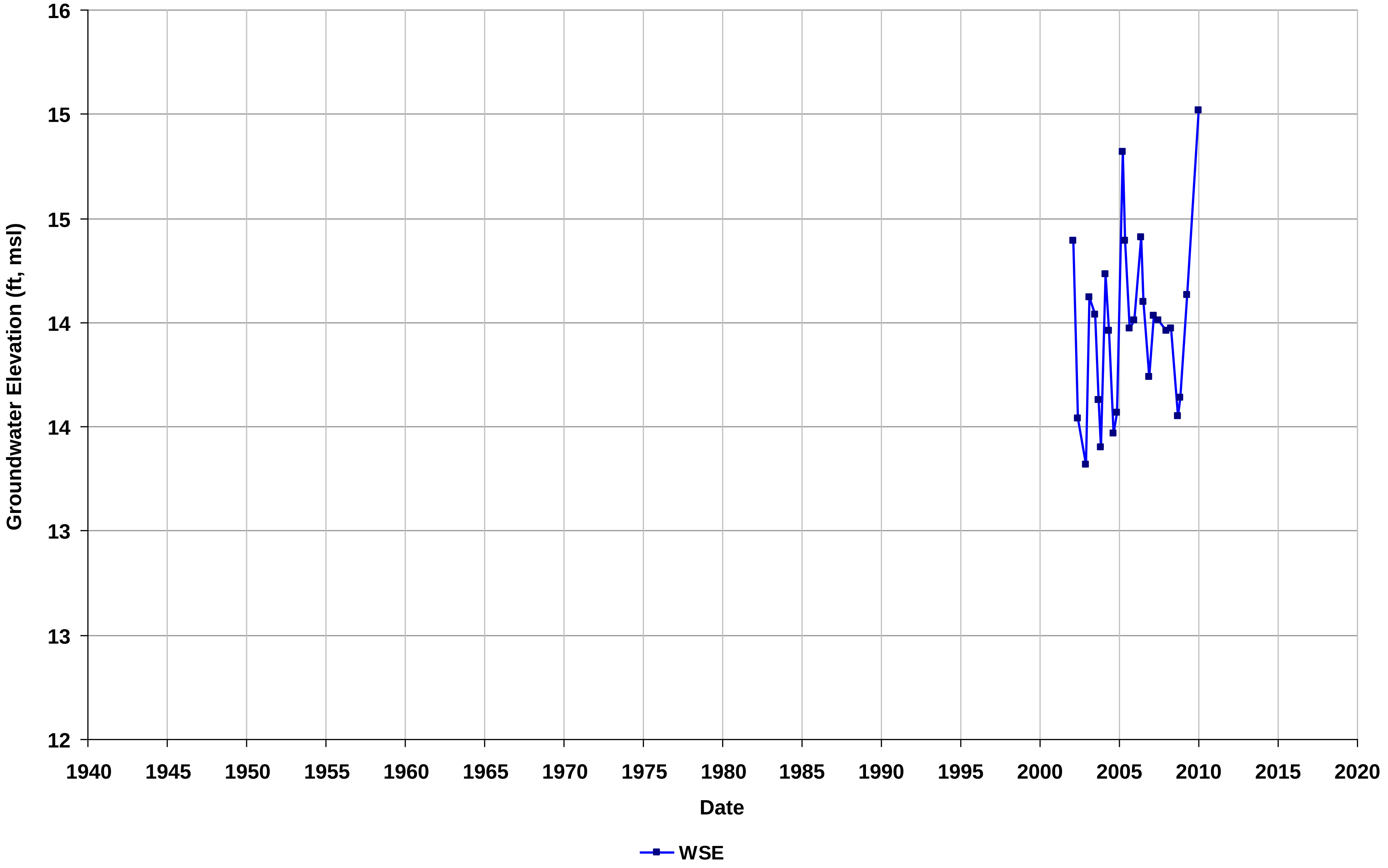
Well Name: T0600101672-MW-1R
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



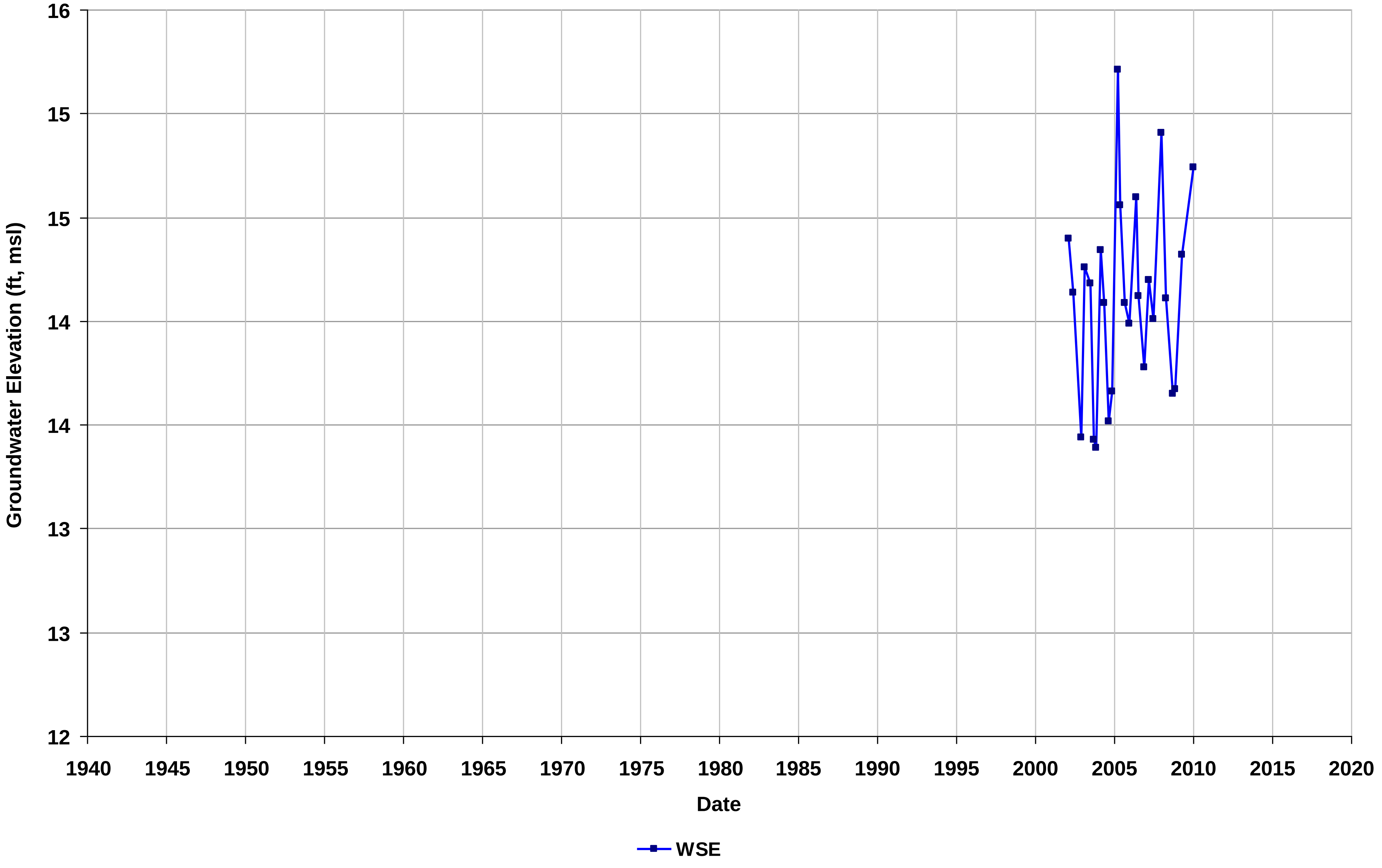
Well Name: T0600101672-MW-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



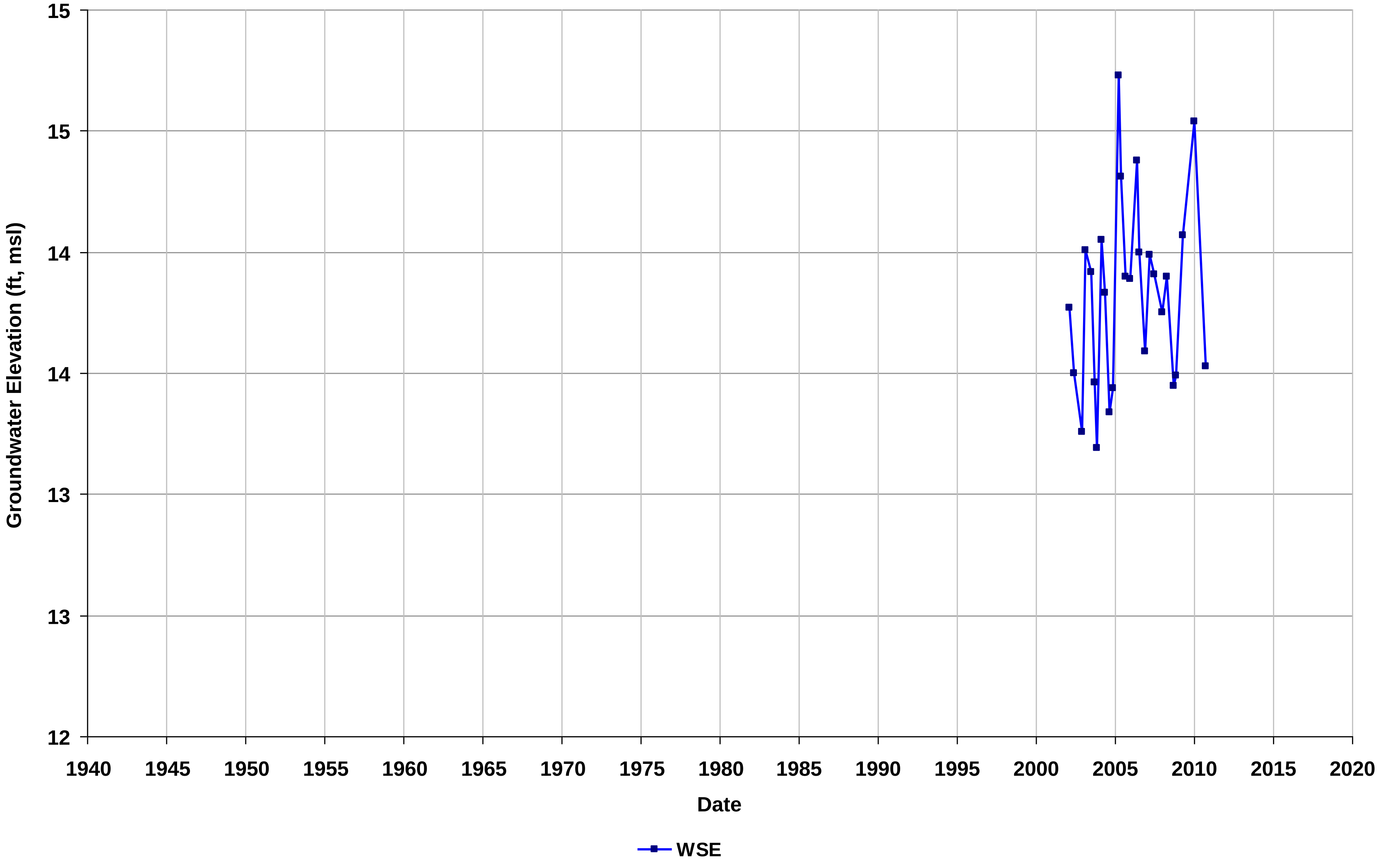
Well Name: T0600101672-MW-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



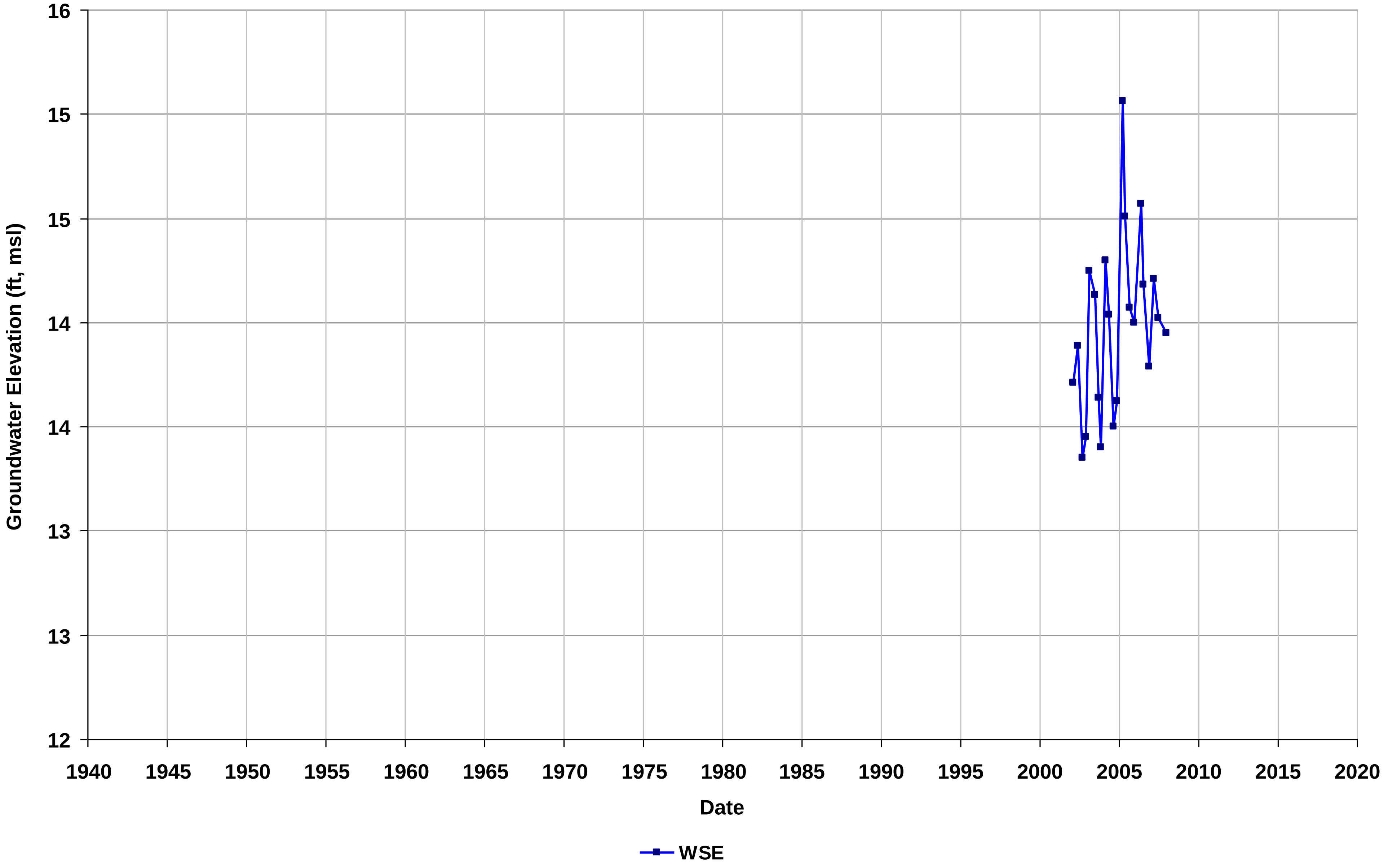
Well Name: T0600101672-MW-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



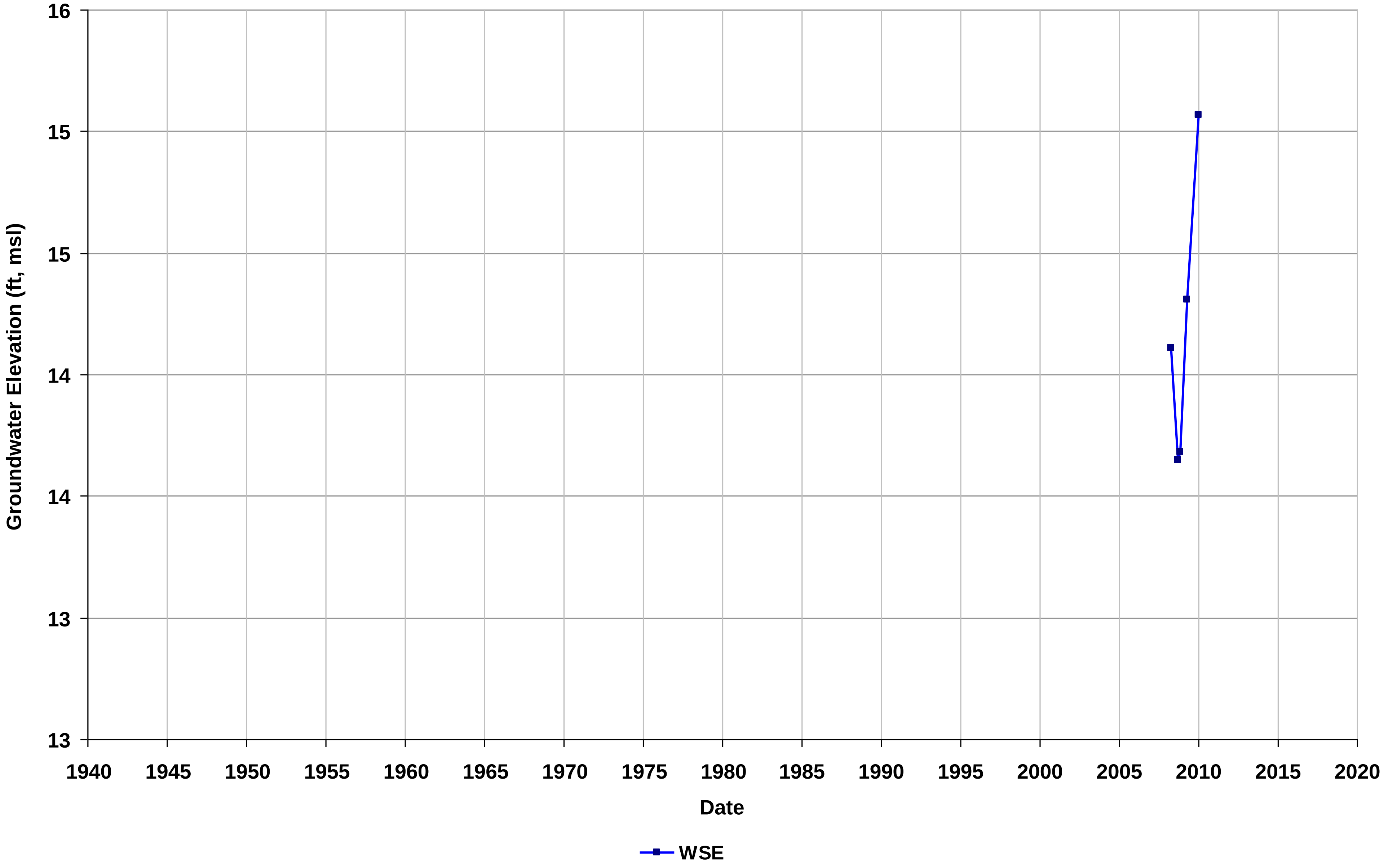
Well Name: T0600101672-MW-5
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



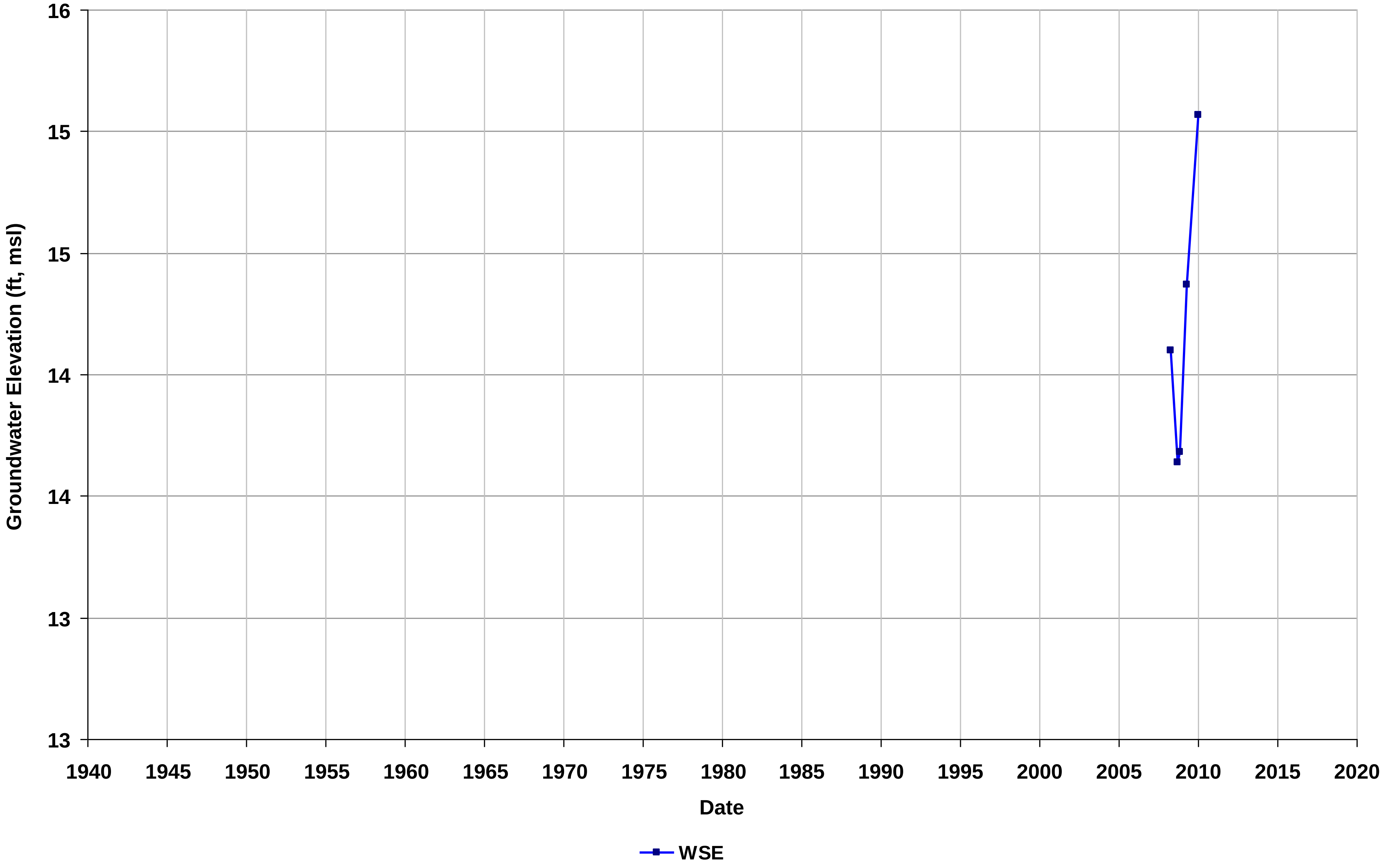
Well Name: T0600101672-MW-5R
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



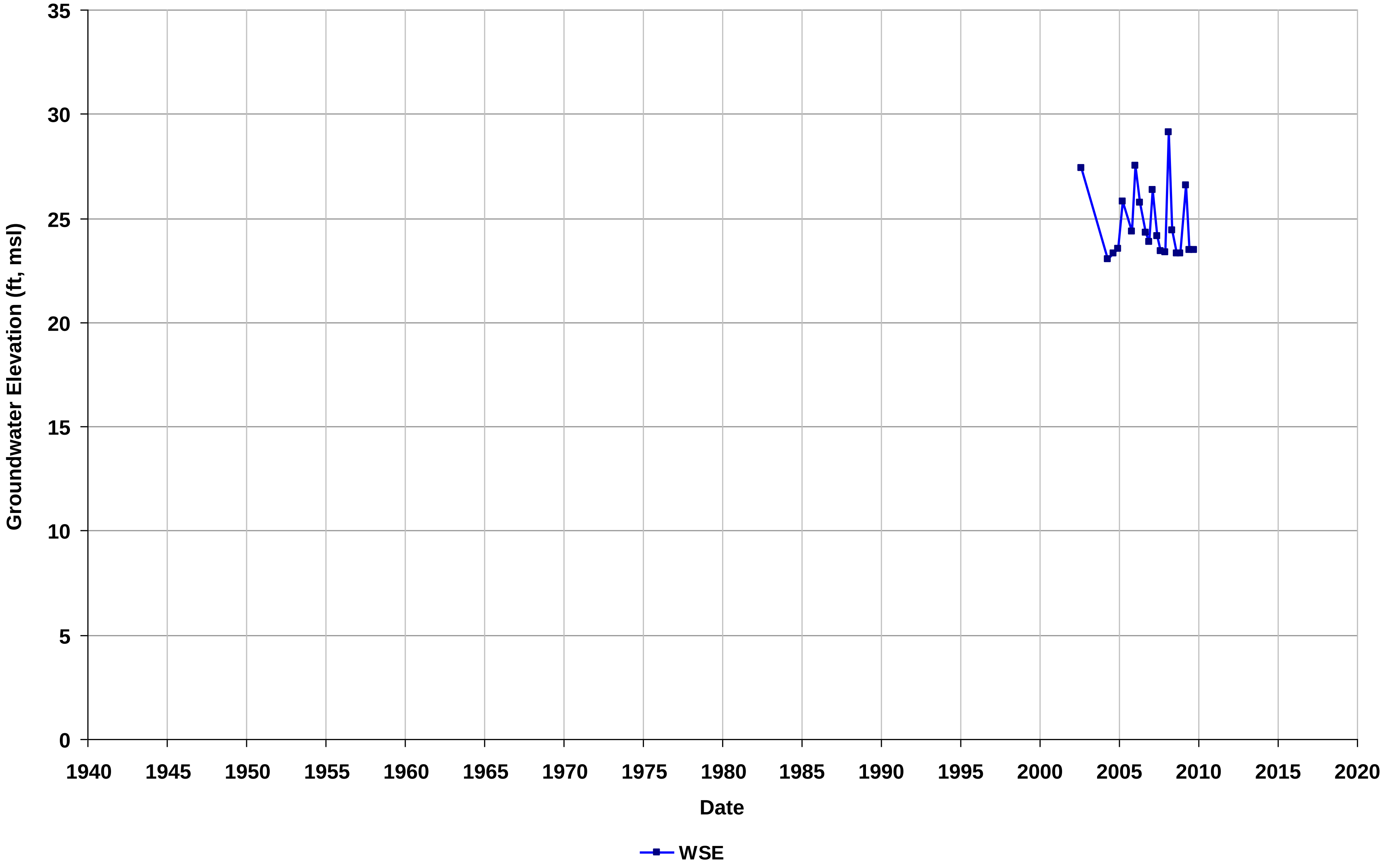
Well Name: T0600101672-MW-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



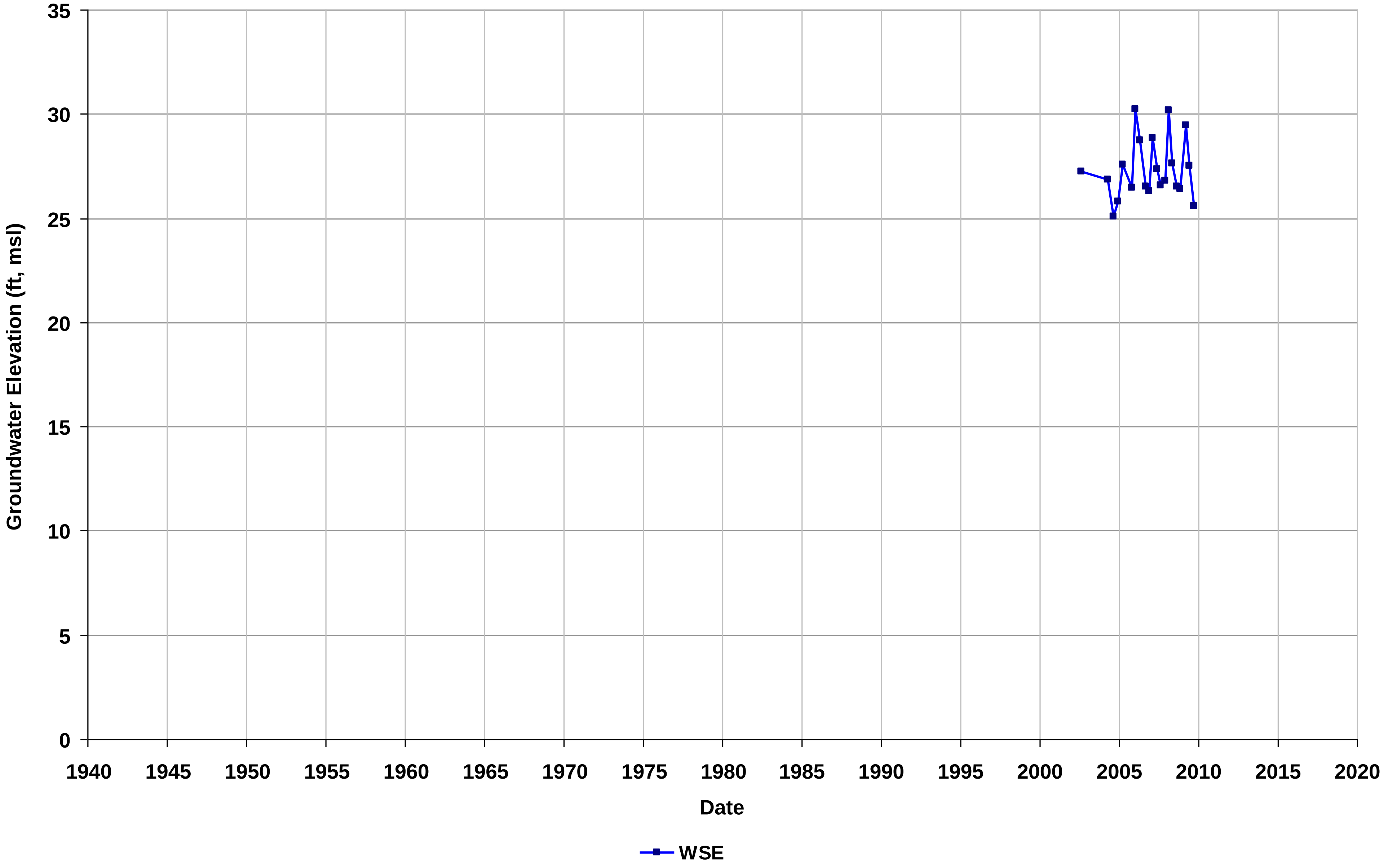
Well Name: T0600101680-FDC
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



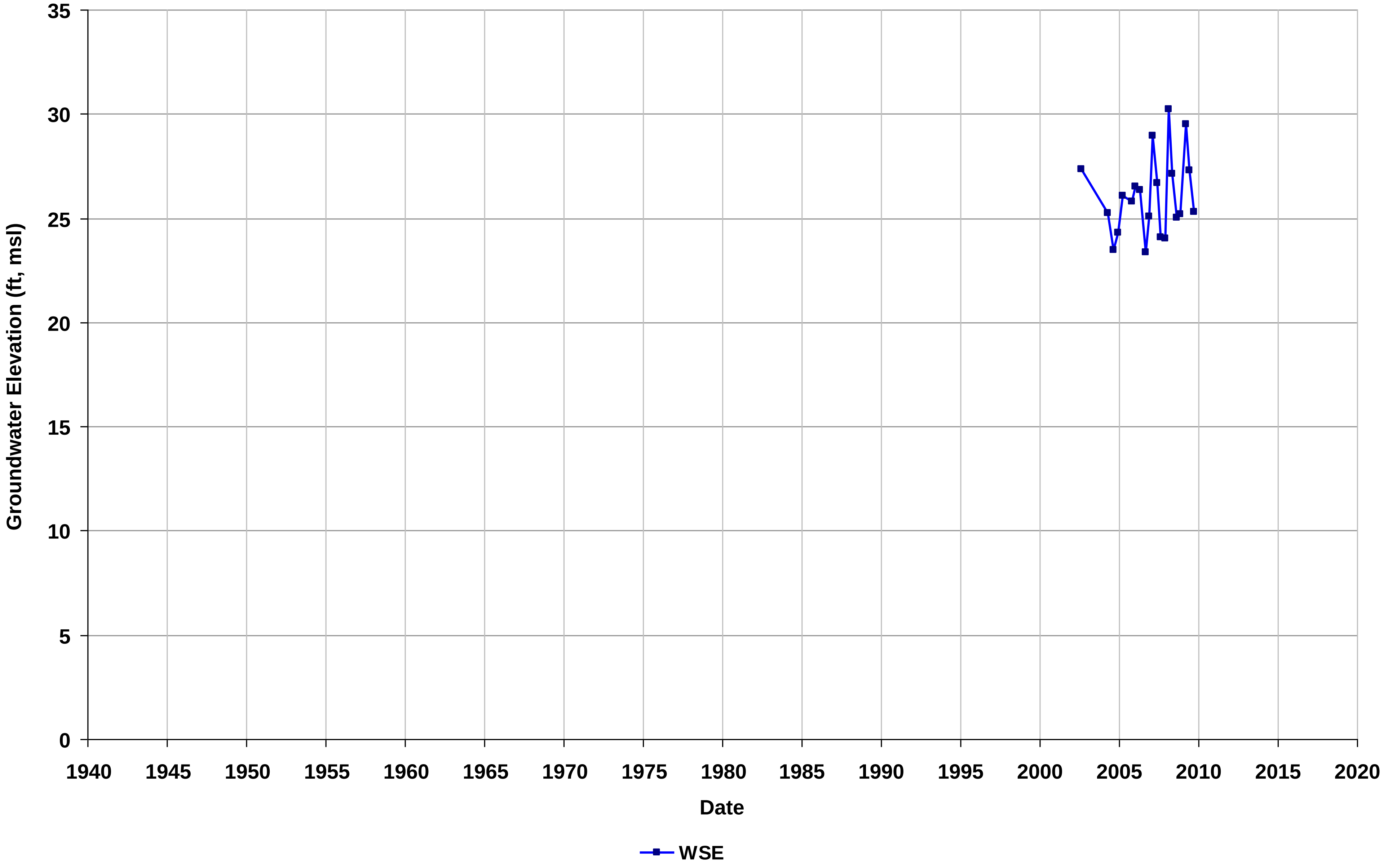
Well Name: T0600101680-FDE
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



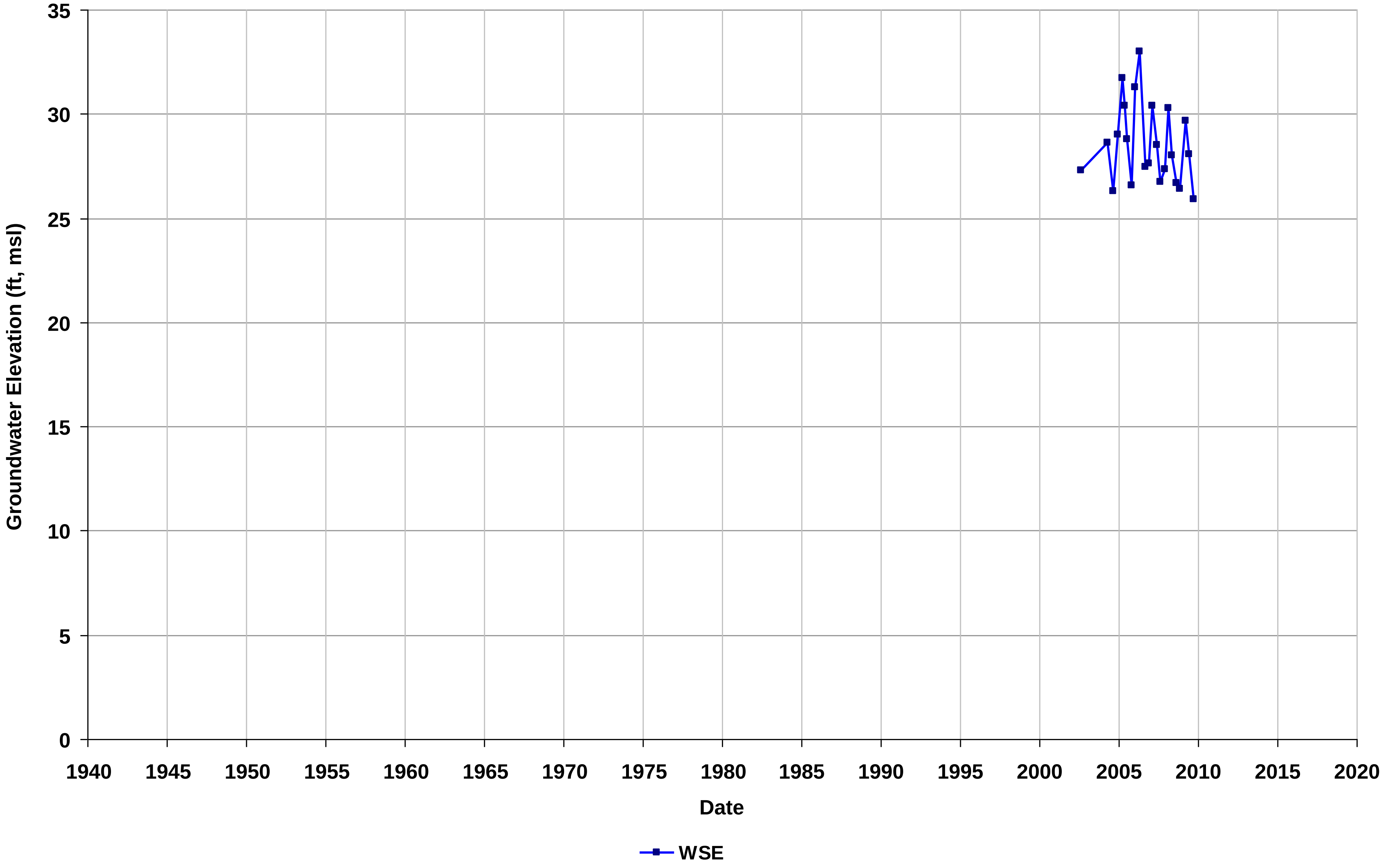
Well Name: T0600101680-FDW
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



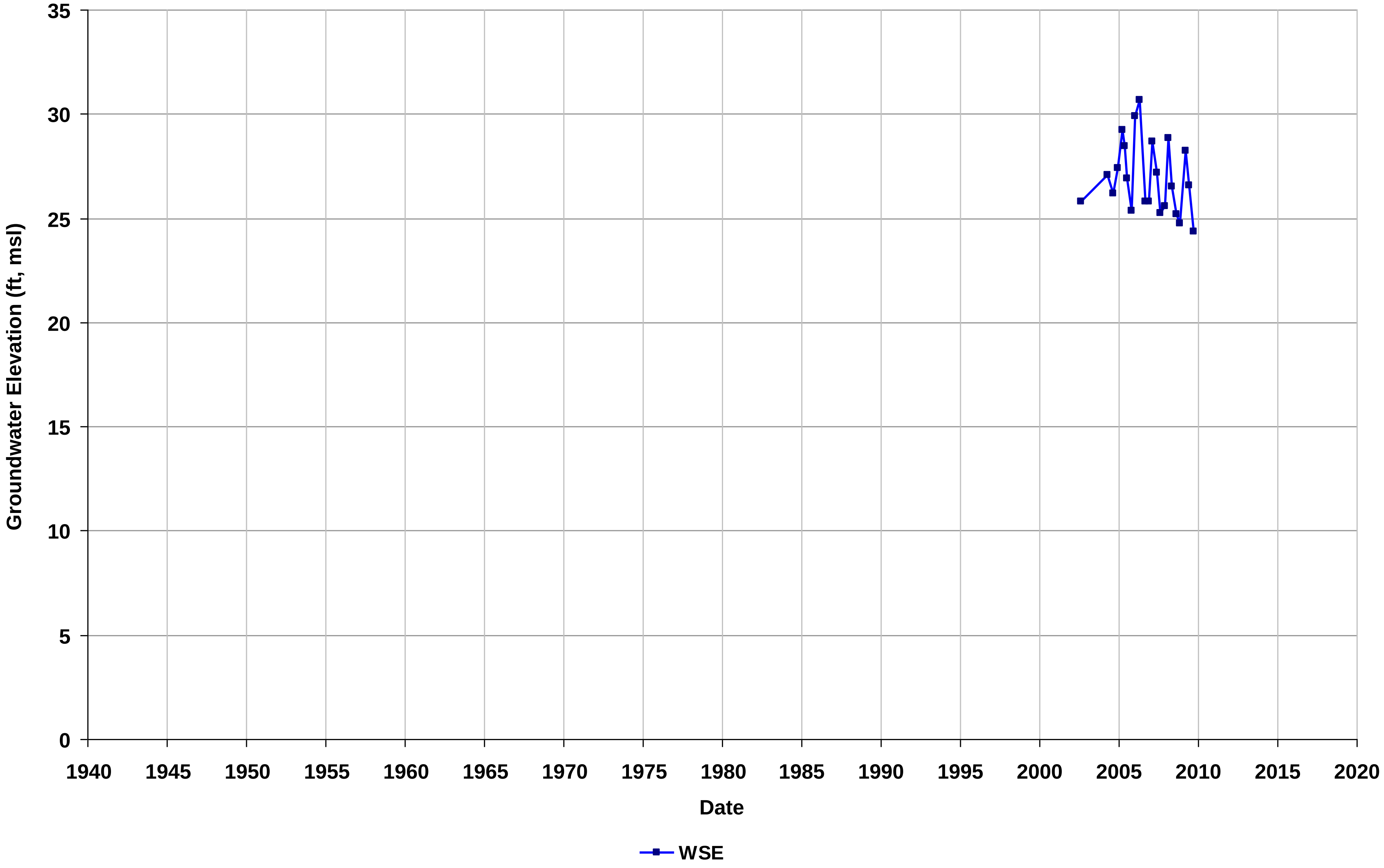
Well Name: T0600101680-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



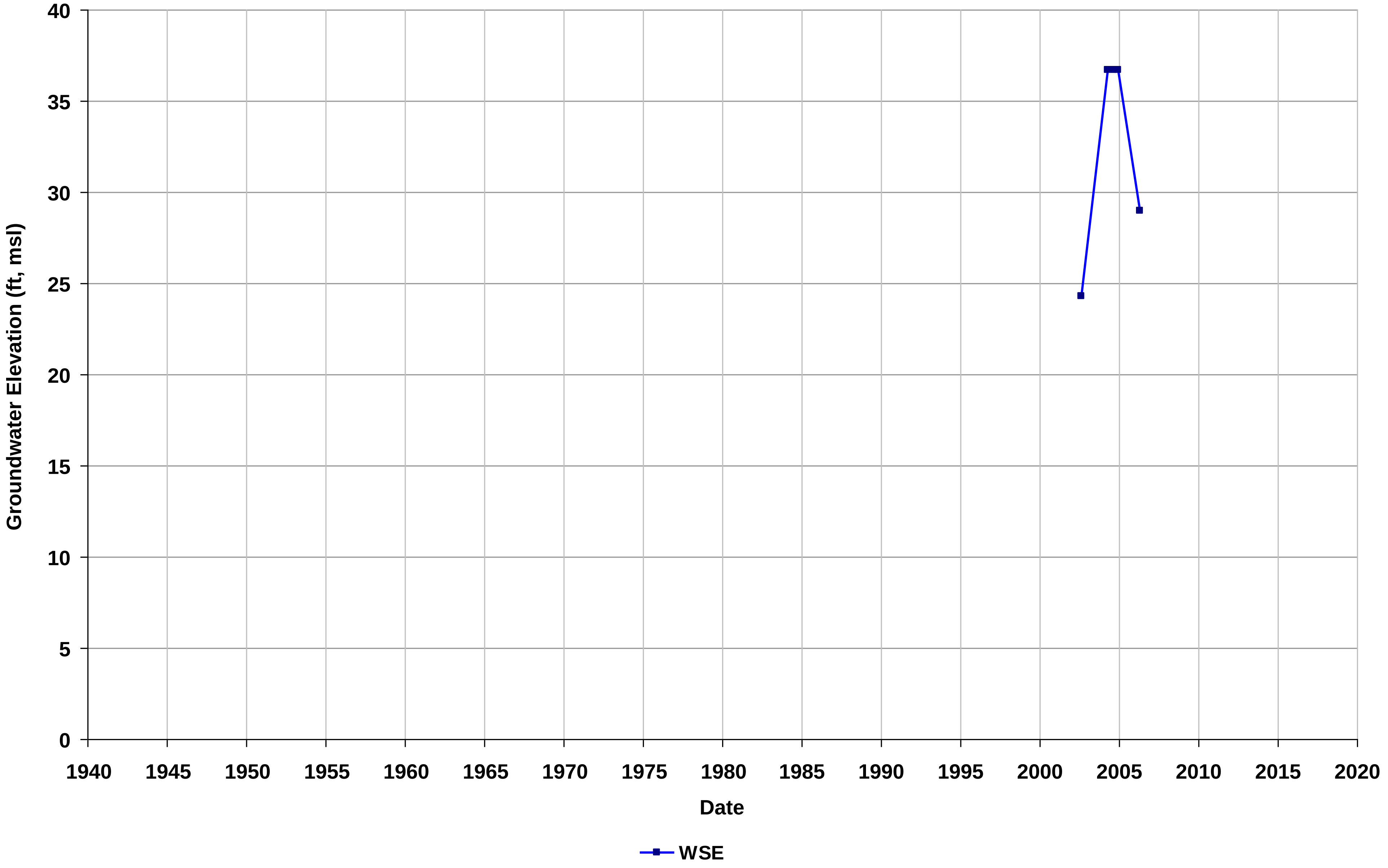
Well Name: T0600101680-MW-10
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



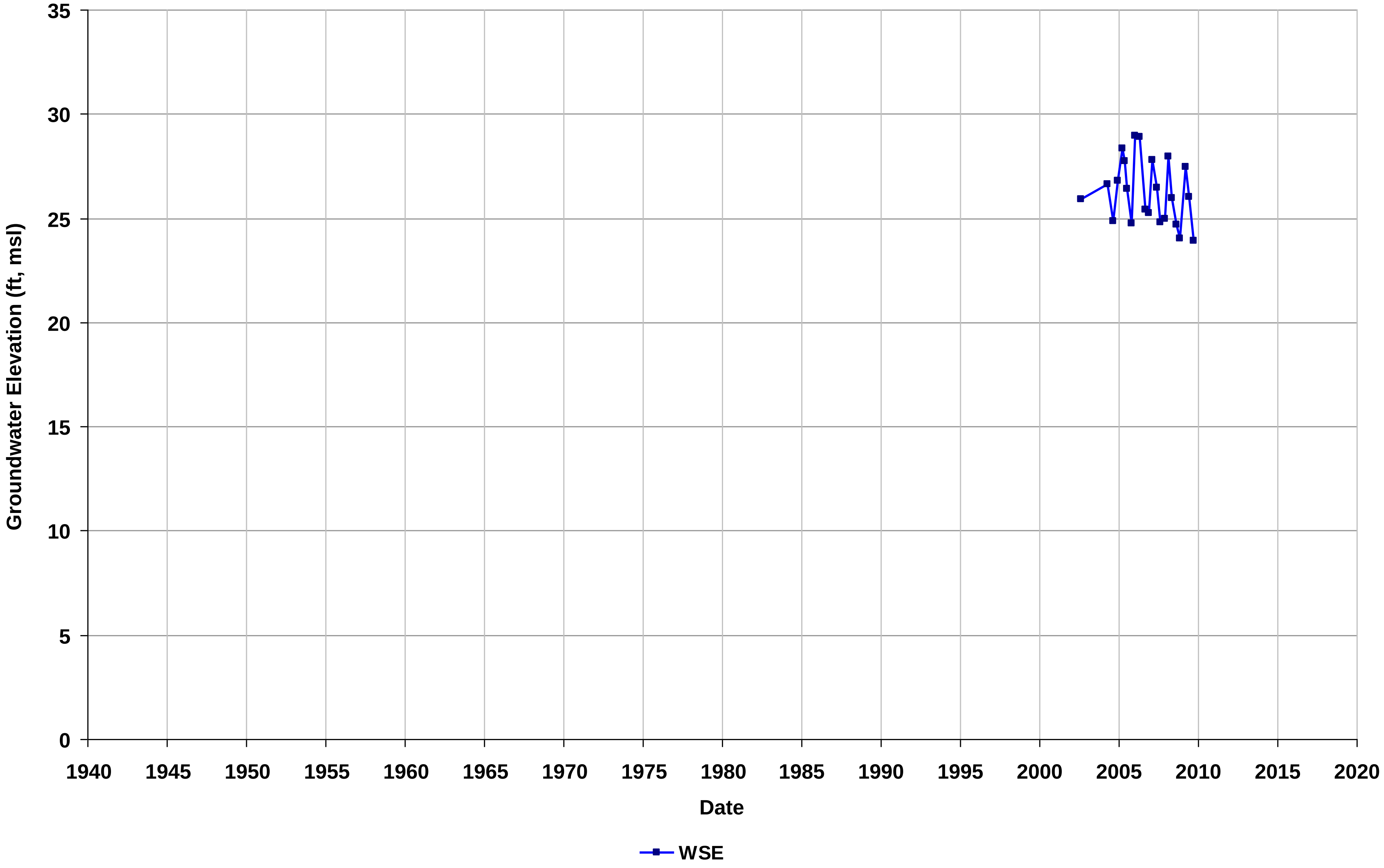
Well Name: T0600101680-MW-11
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



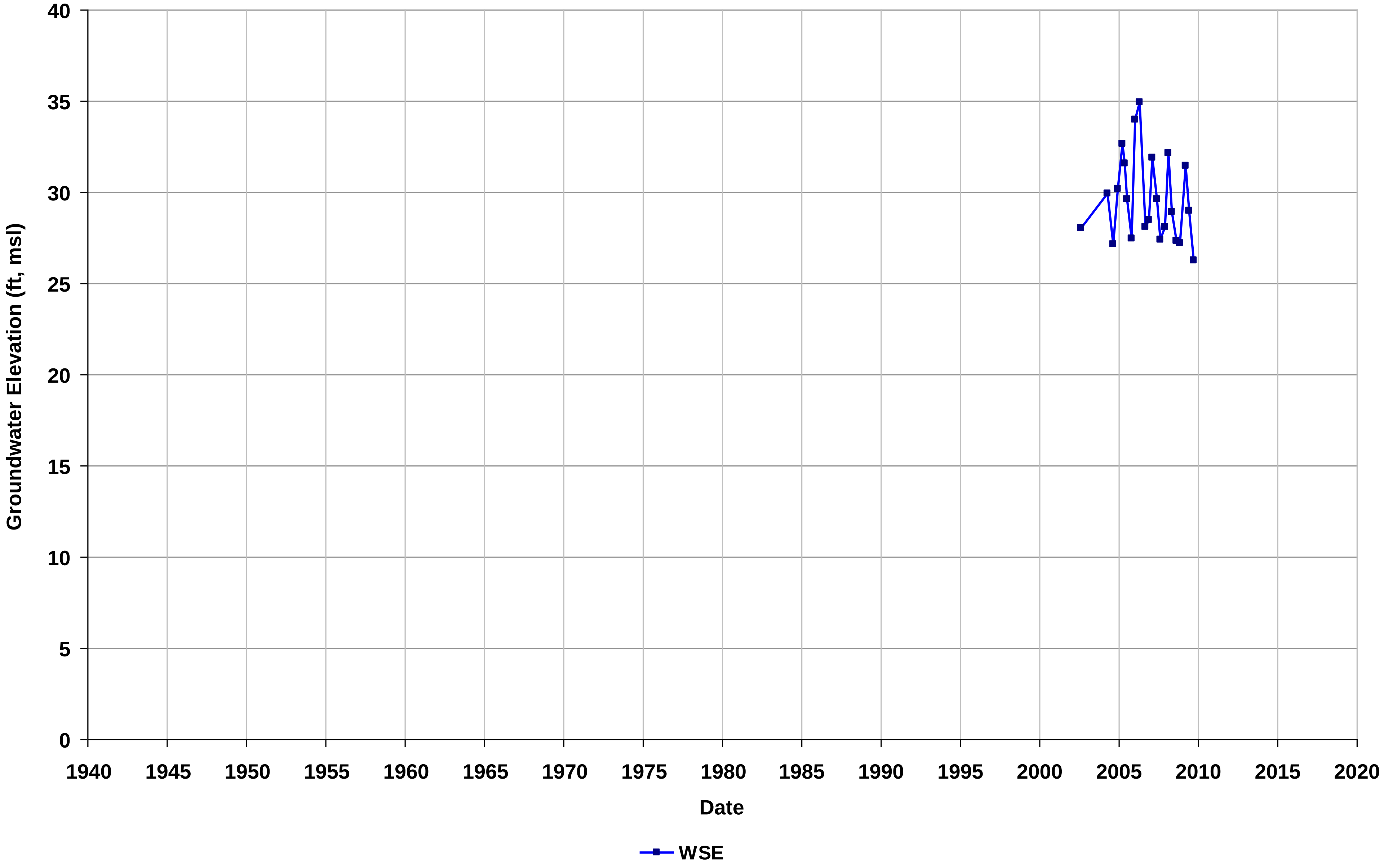
Well Name: T0600101680-MW-12
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



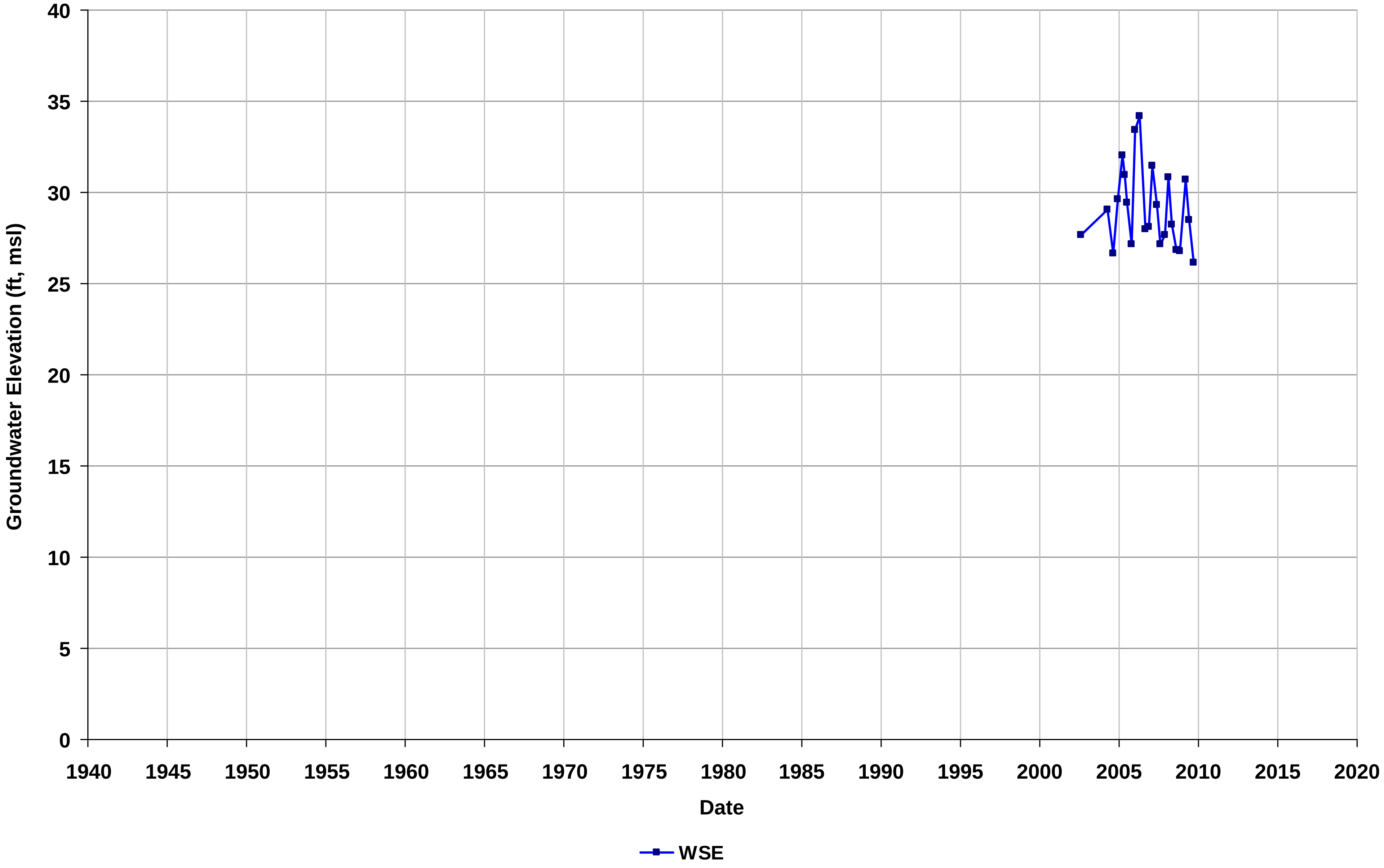
Well Name: T0600101680-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



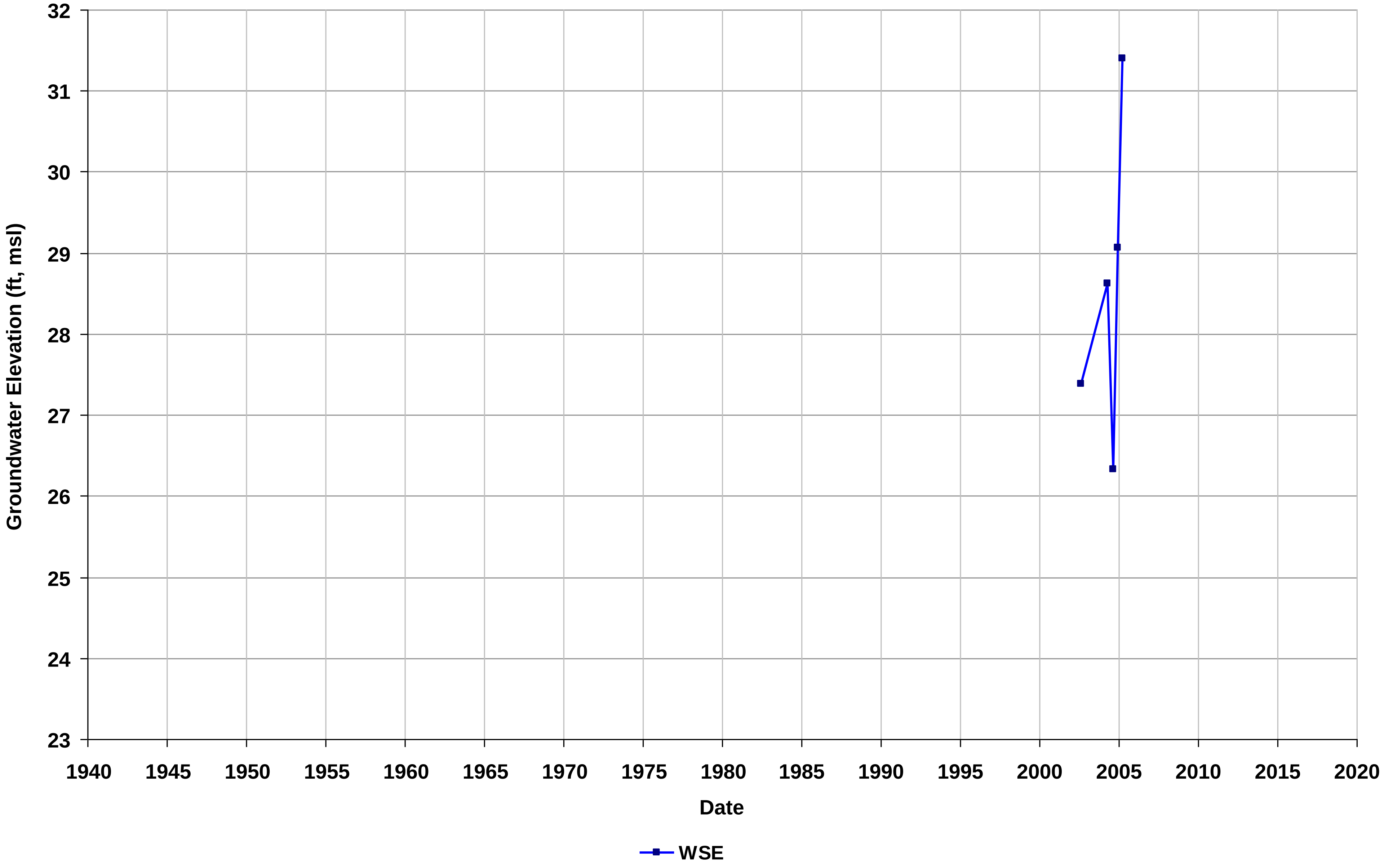
Well Name: T0600101680-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



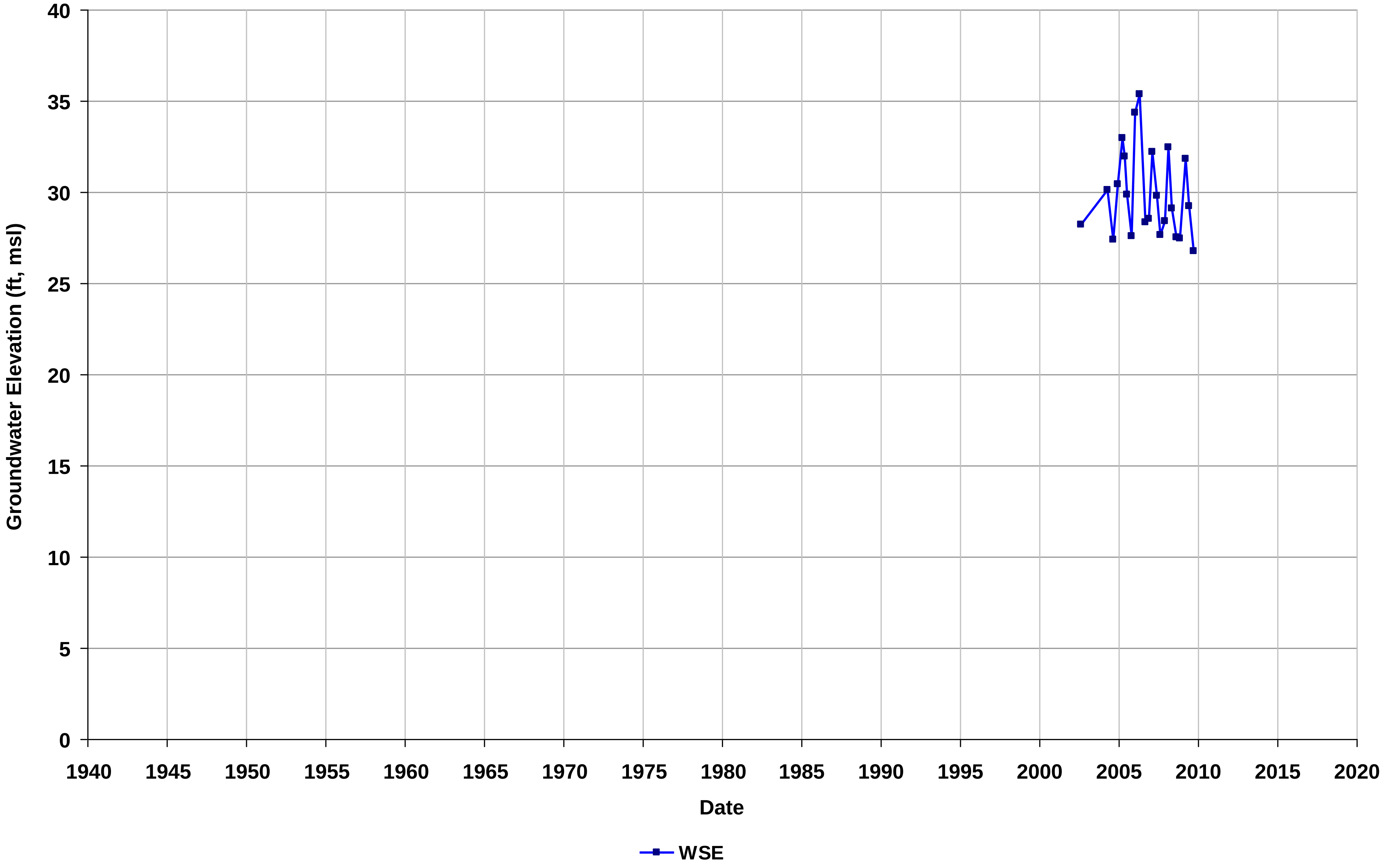
Well Name: T0600101680-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



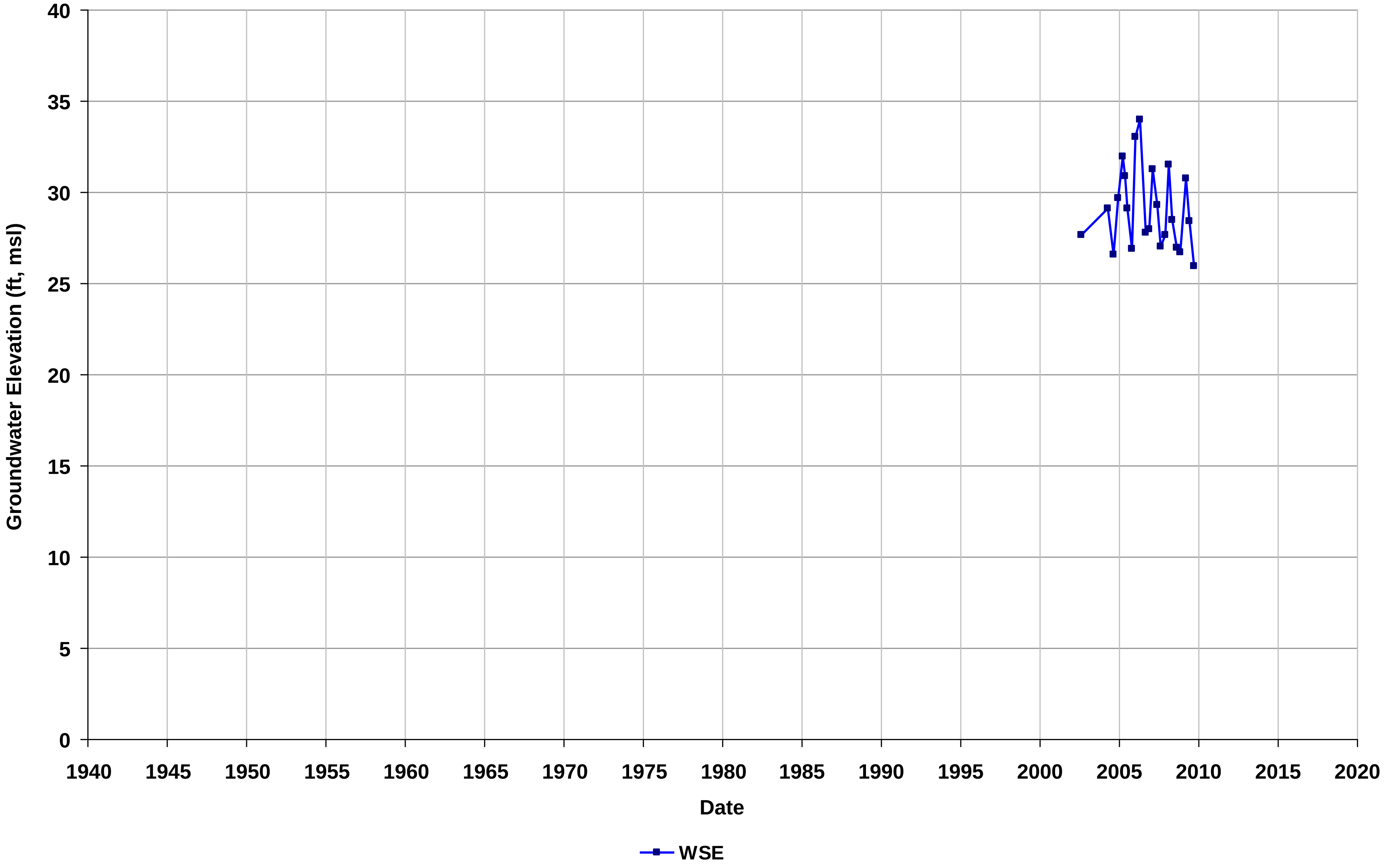
Well Name: T0600101680-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



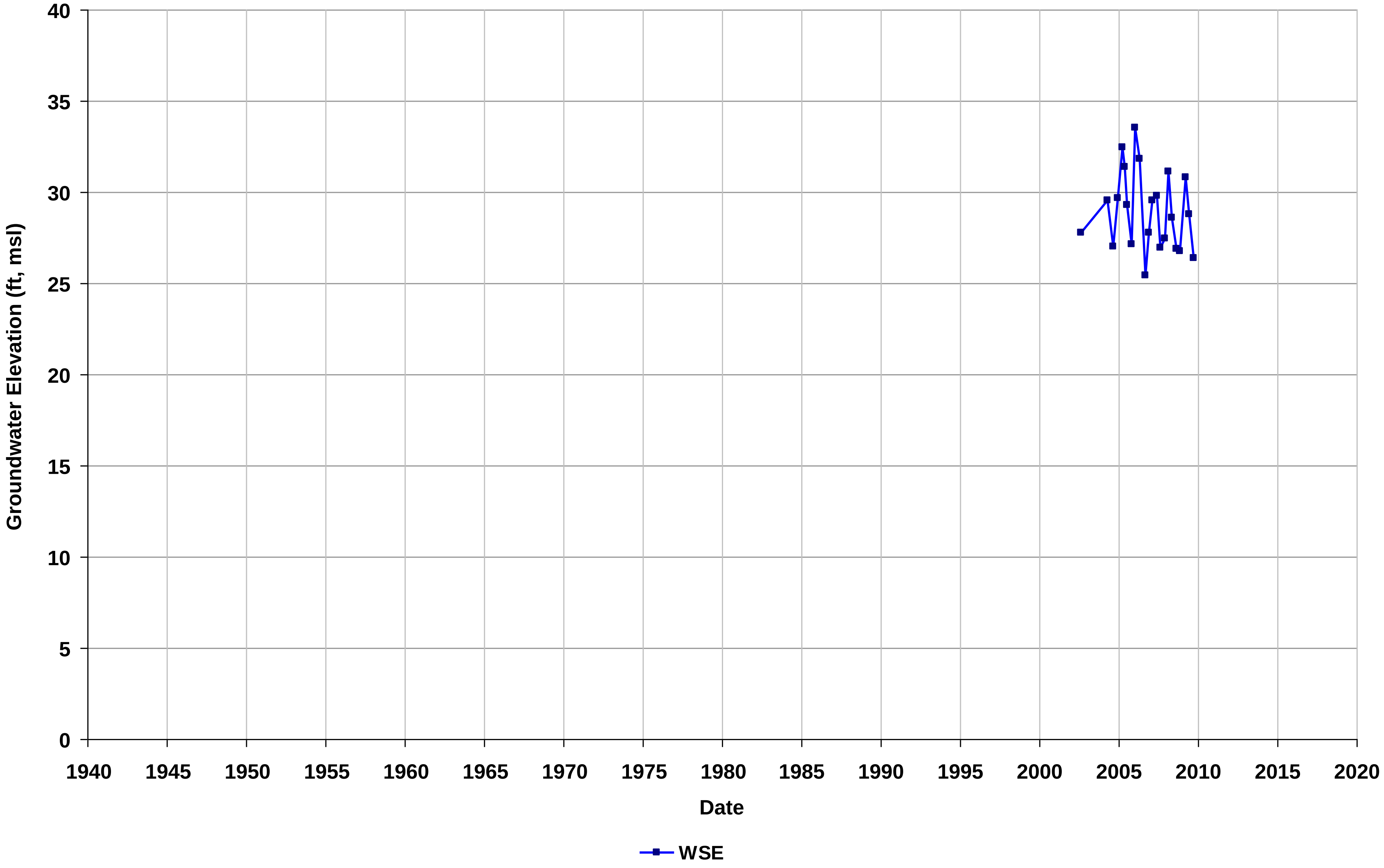
Well Name: T0600101680-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



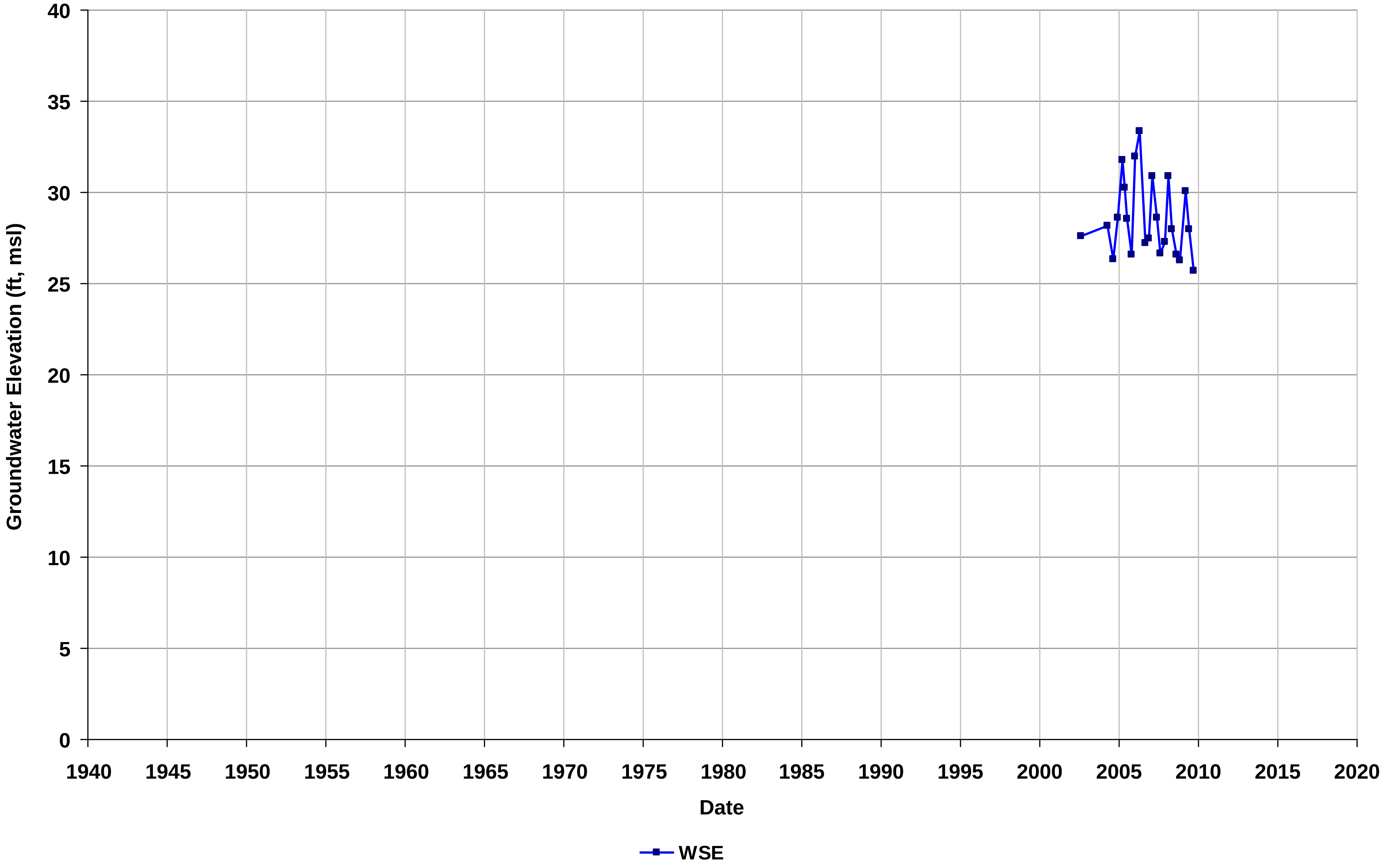
Well Name: T0600101680-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



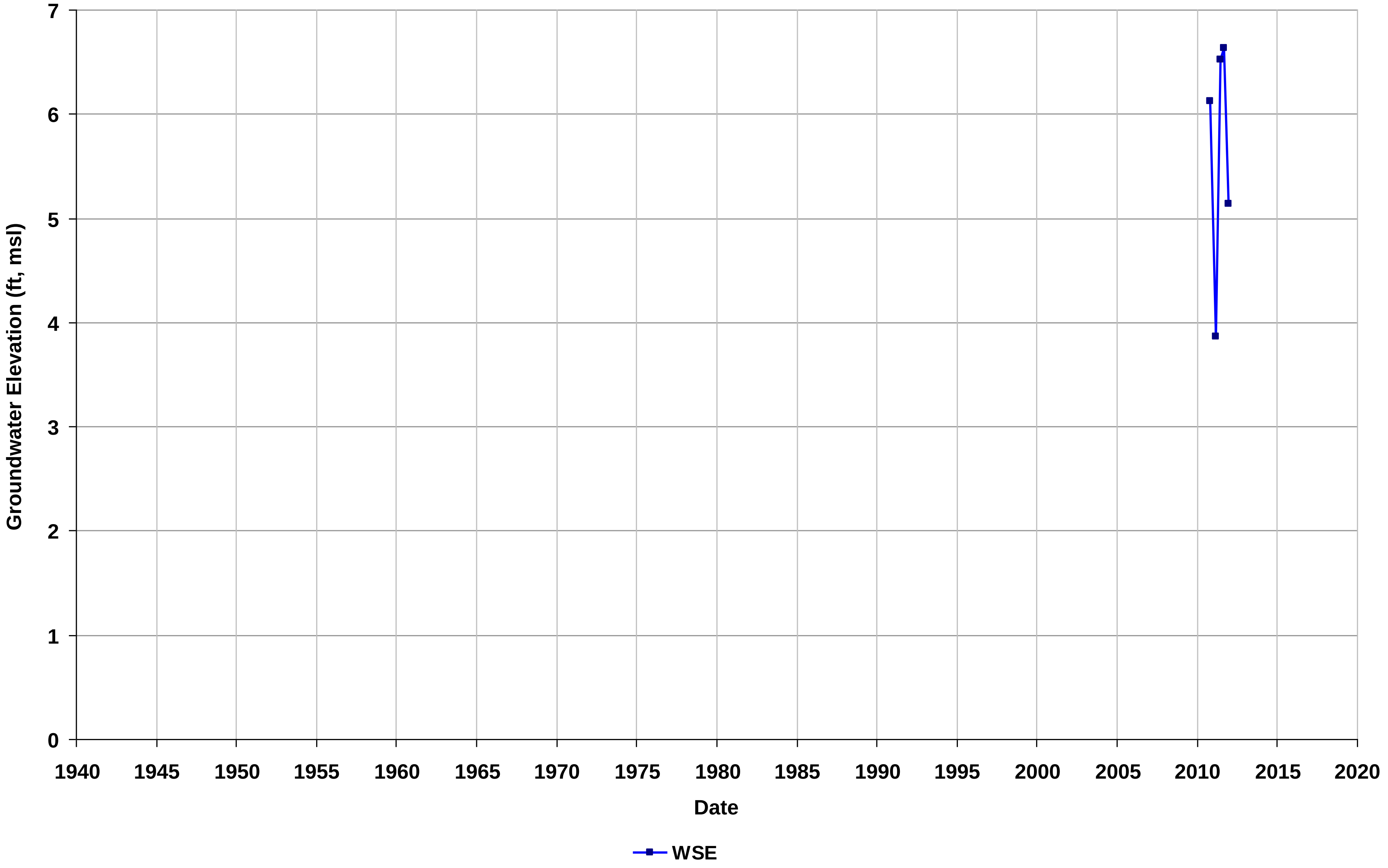
Well Name: T0600101680-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/08
Well Use: Observation



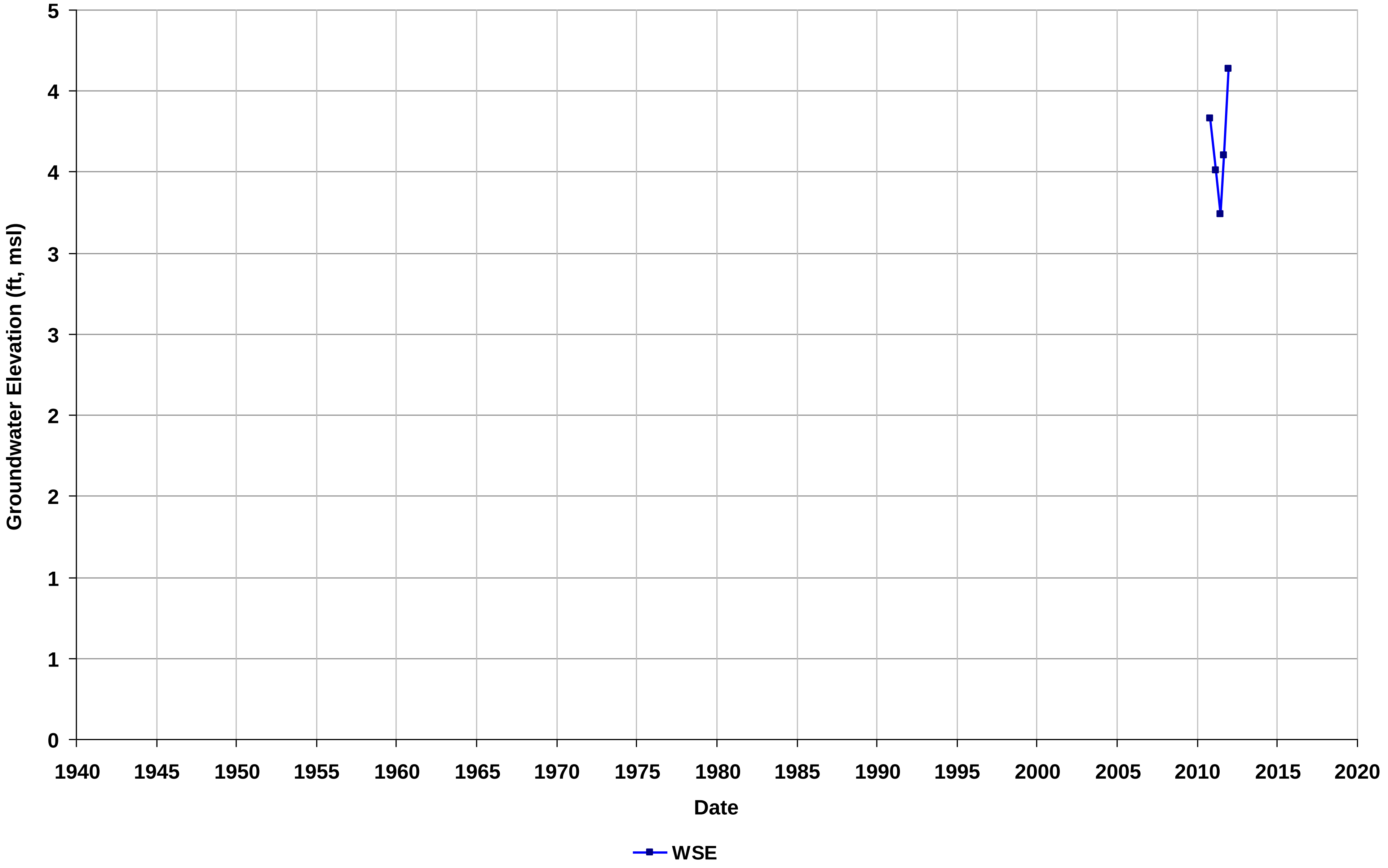
Well Name: T0600101692-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/21
Well Use: Observation



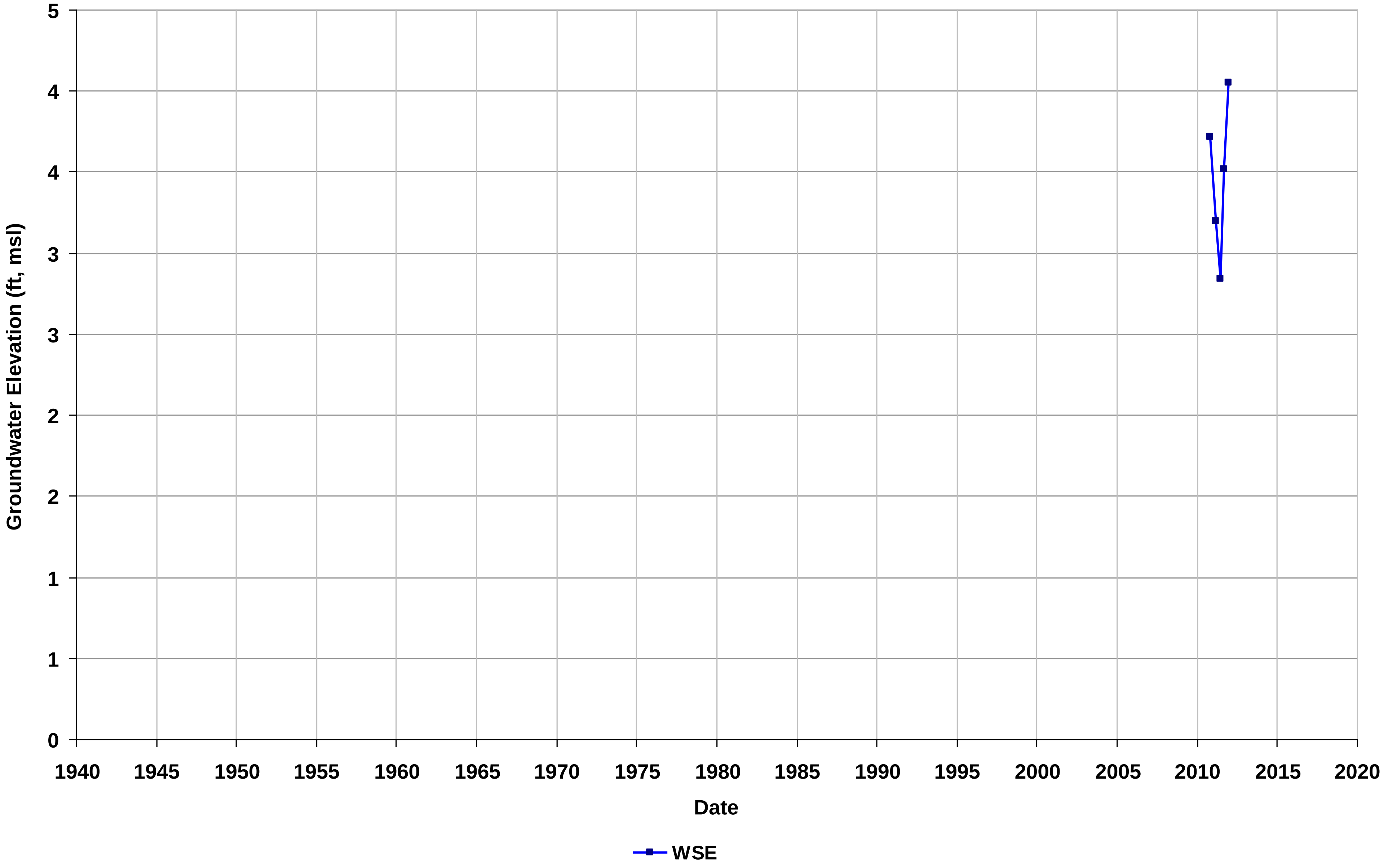
Well Name: T0600101692-MW-10
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/21
Well Use: Observation



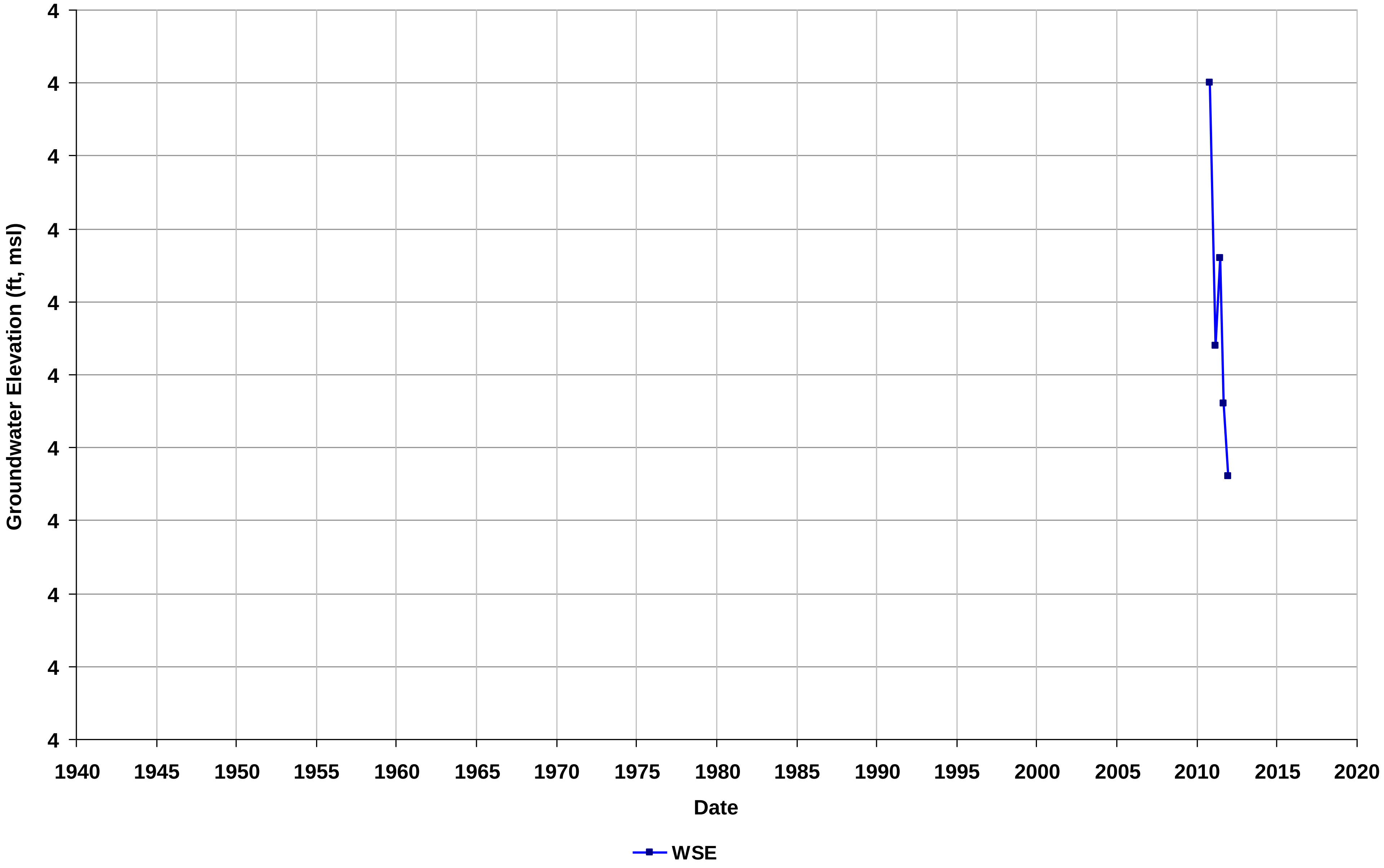
Well Name: T0600101692-MW-11
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/21
Well Use: Observation



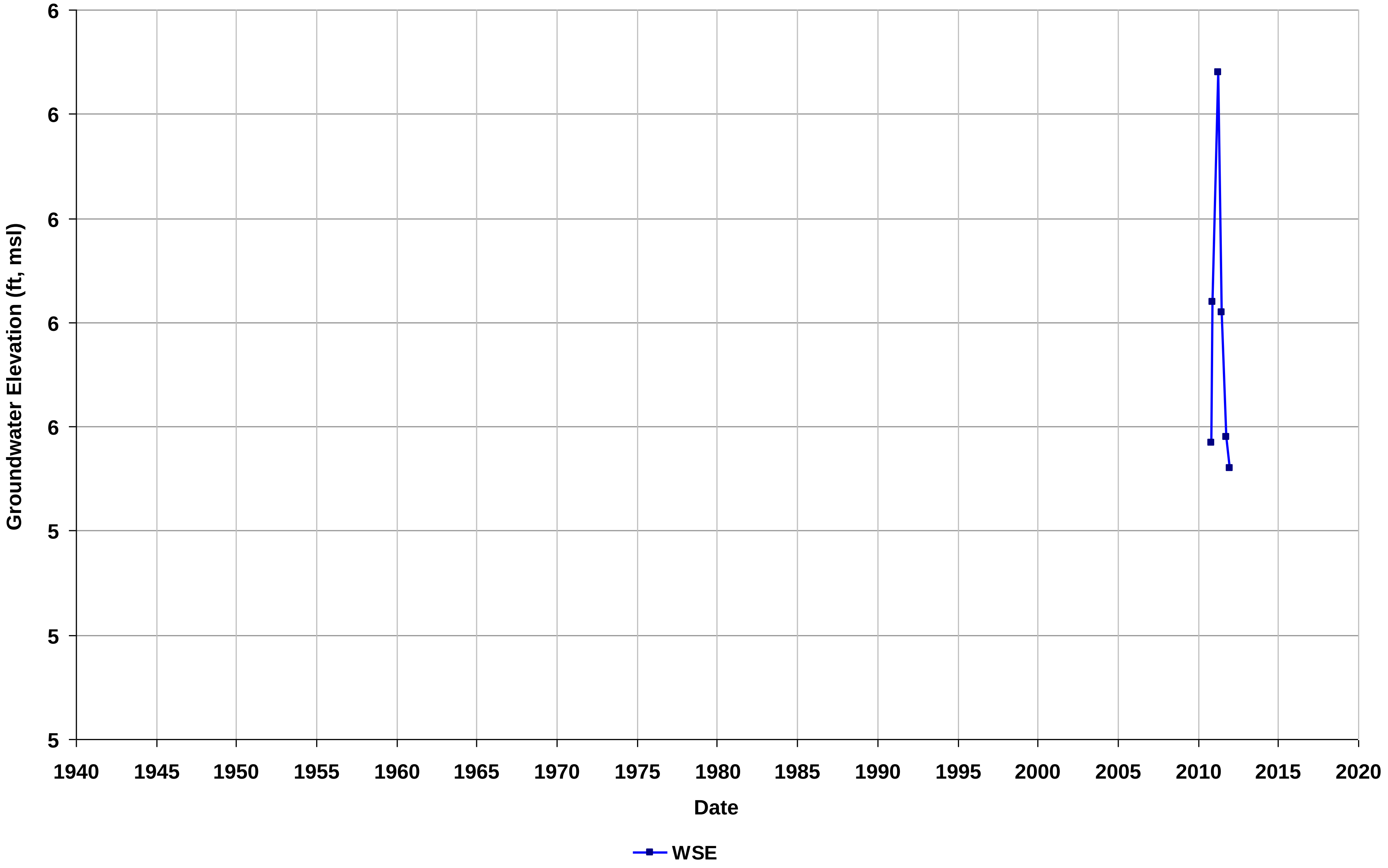
Well Name: T0600101692-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/21
Well Use: Observation



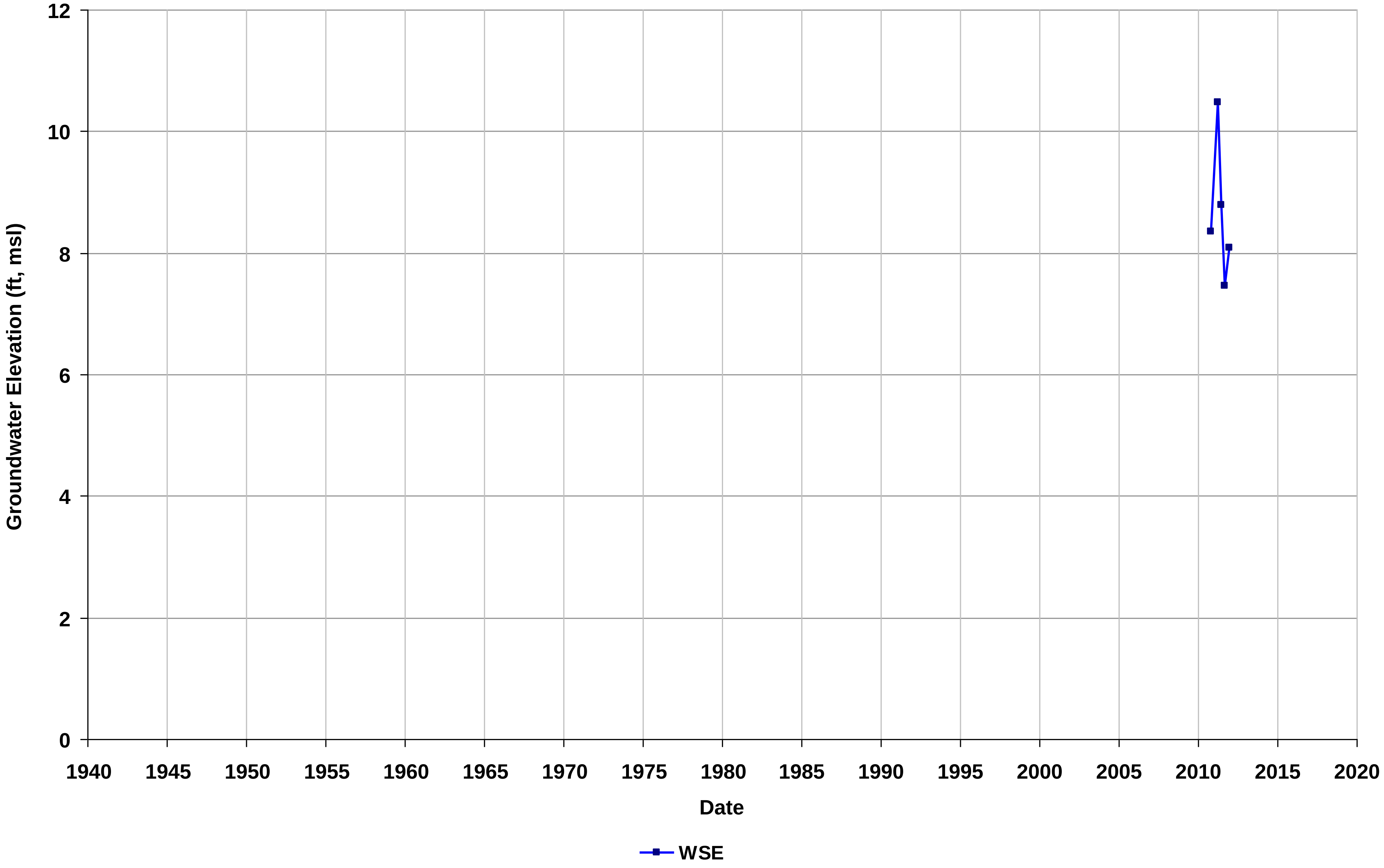
Well Name: T0600101692-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/21
Well Use: Observation



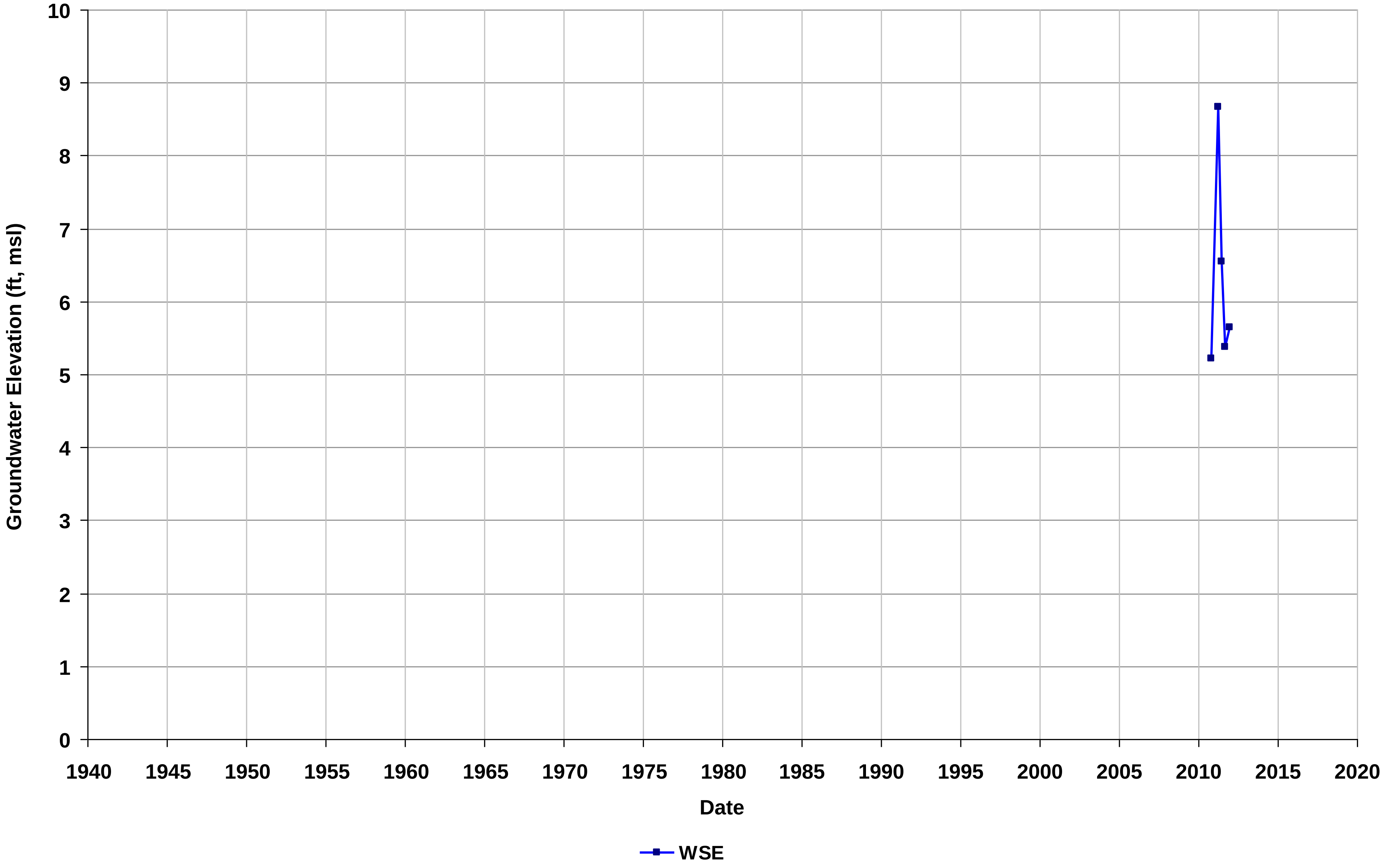
Well Name: T0600101692-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/21
Well Use: Observation



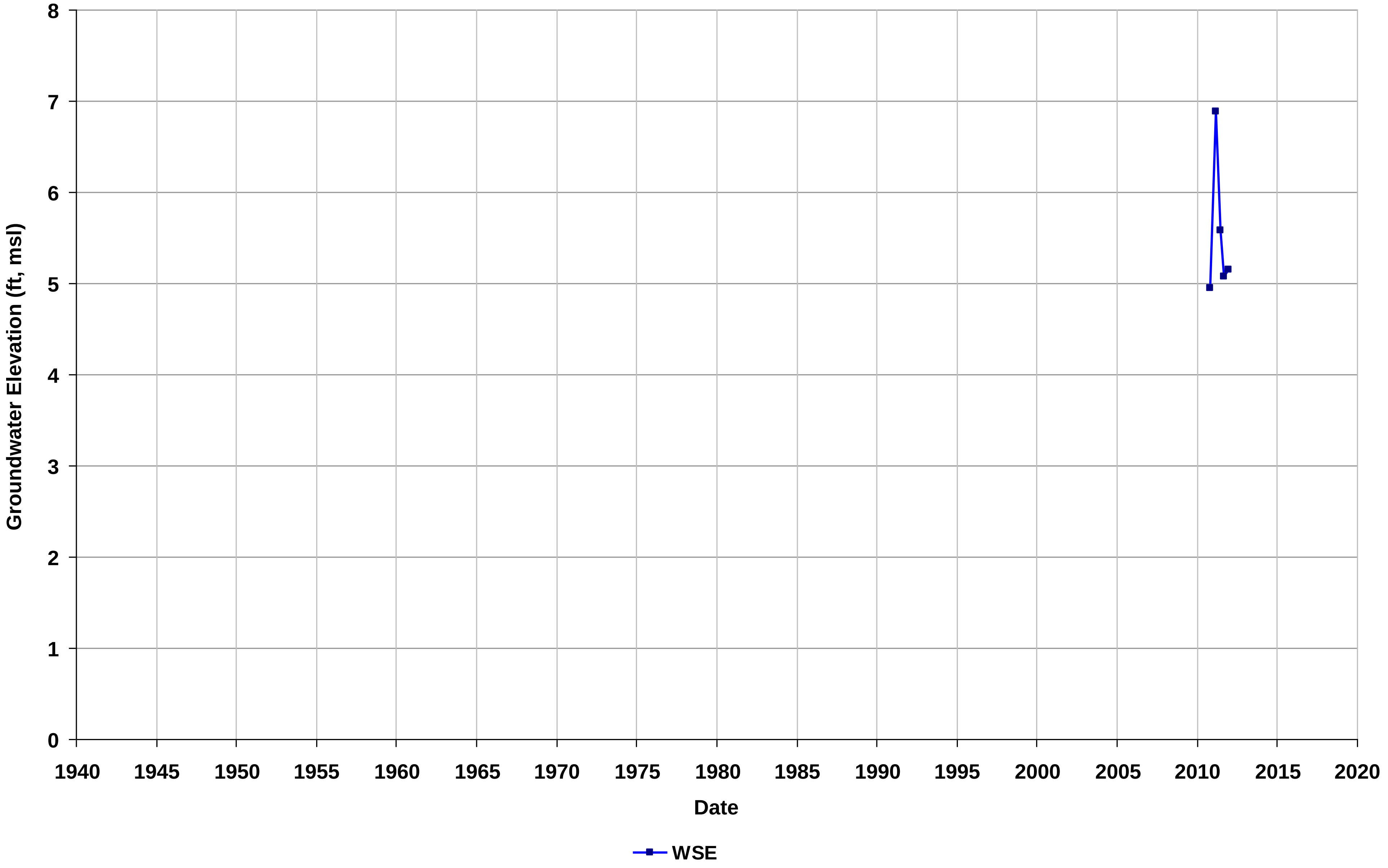
Well Name: T0600101692-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/21
Well Use: Observation



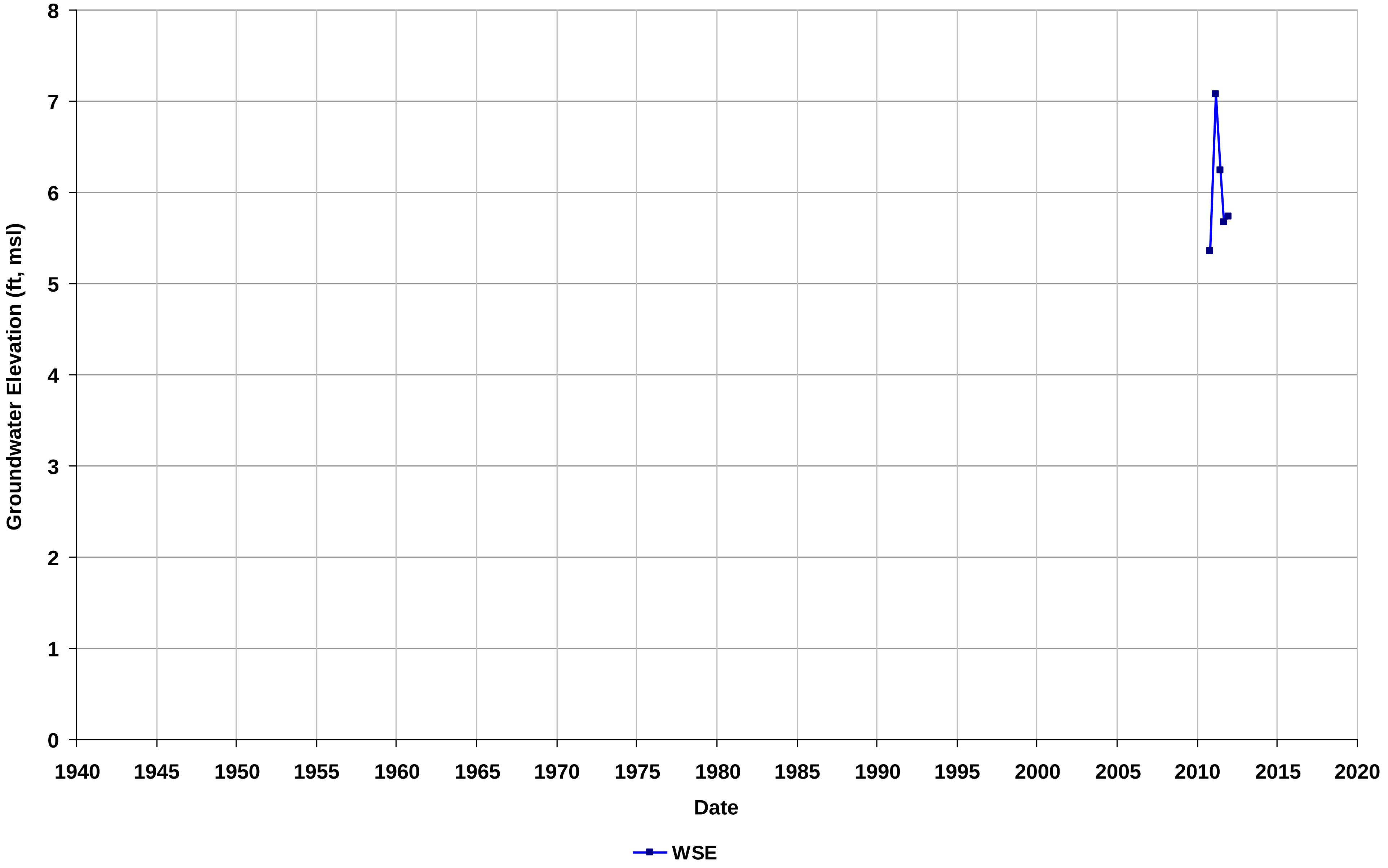
Well Name: T0600101692-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/21
Well Use: Observation



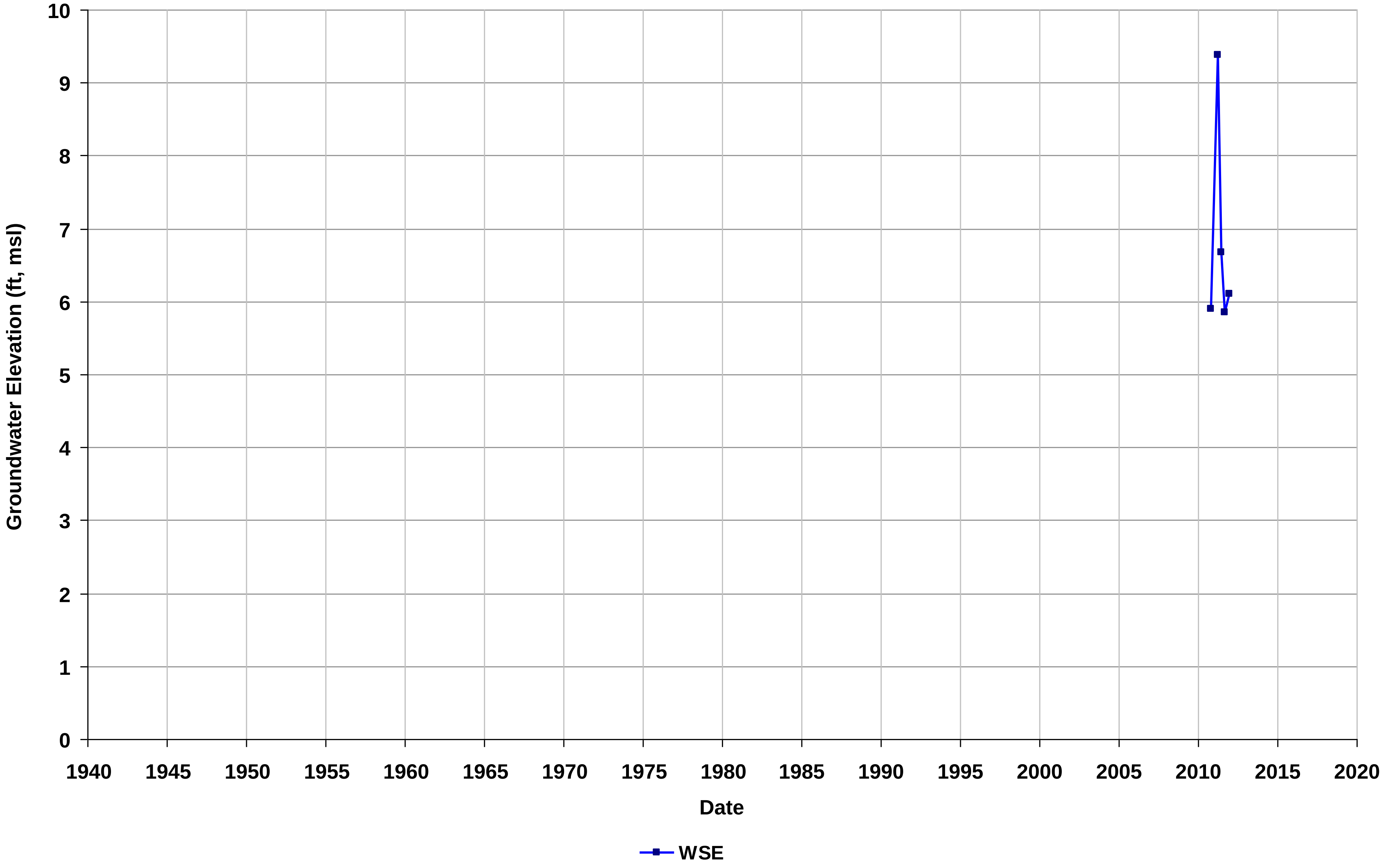
Well Name: T0600101692-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/21
Well Use: Observation



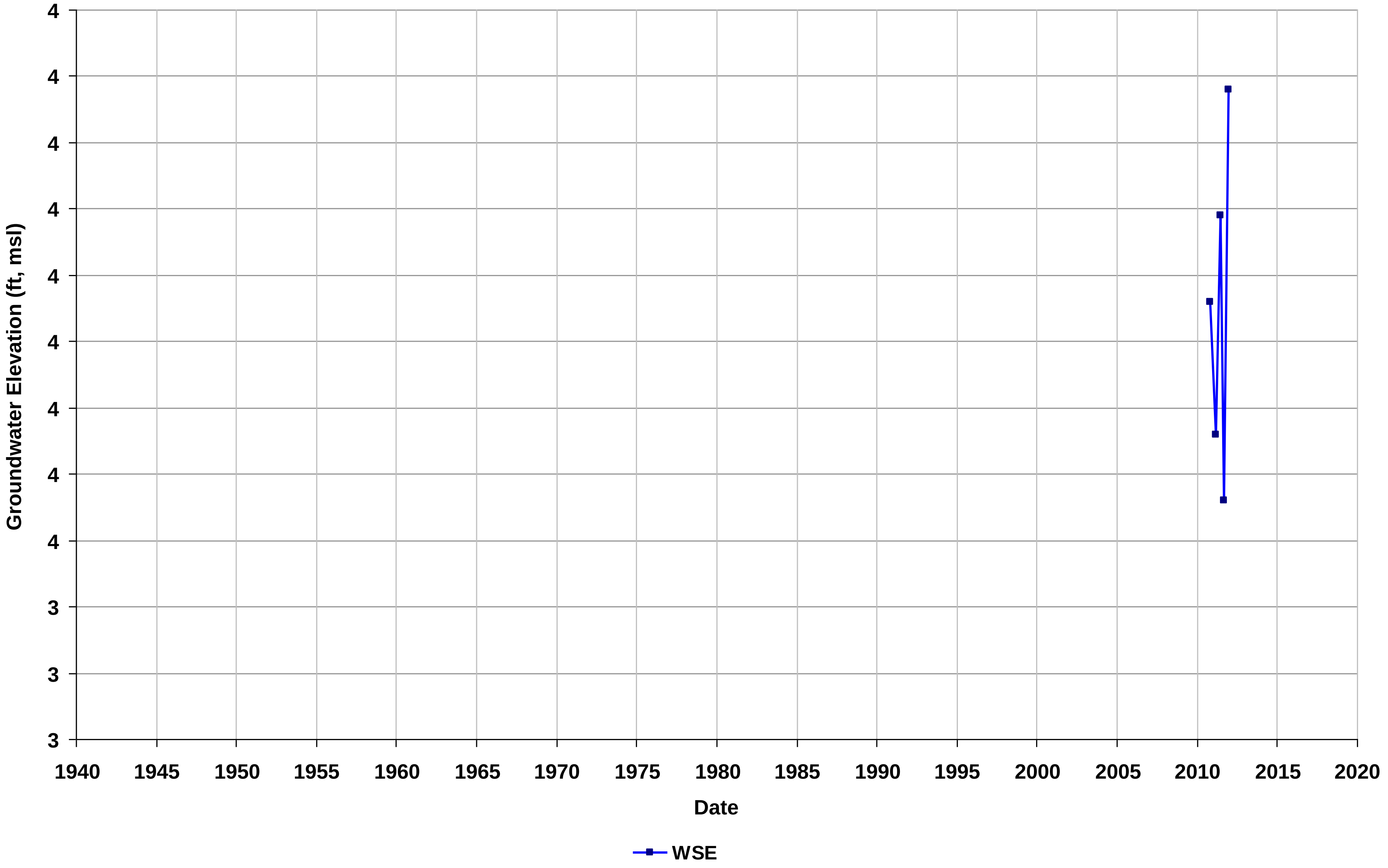
Well Name: T0600101692-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/21
Well Use: Observation



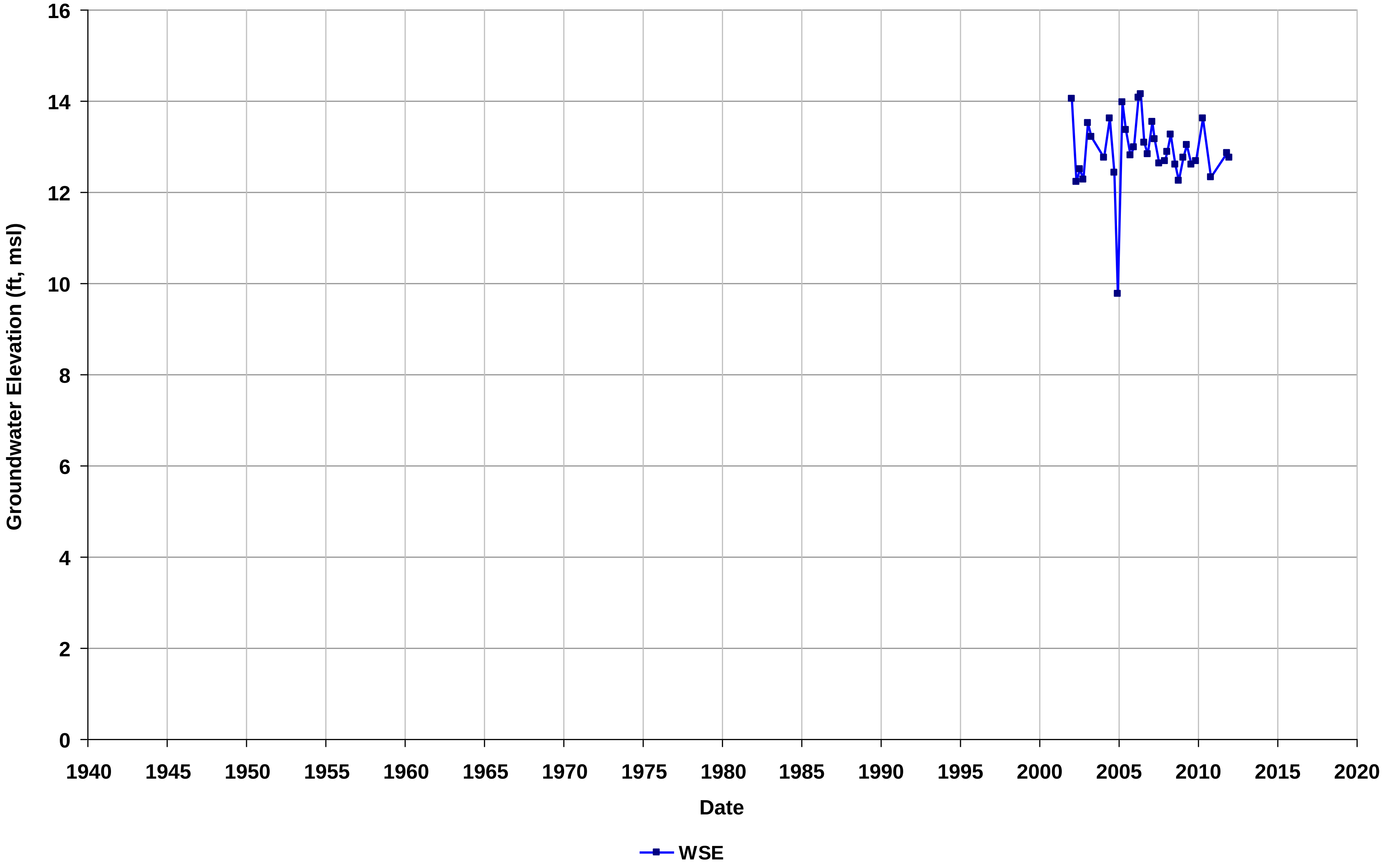
Well Name: T0600101692-MW-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/21
Well Use: Observation



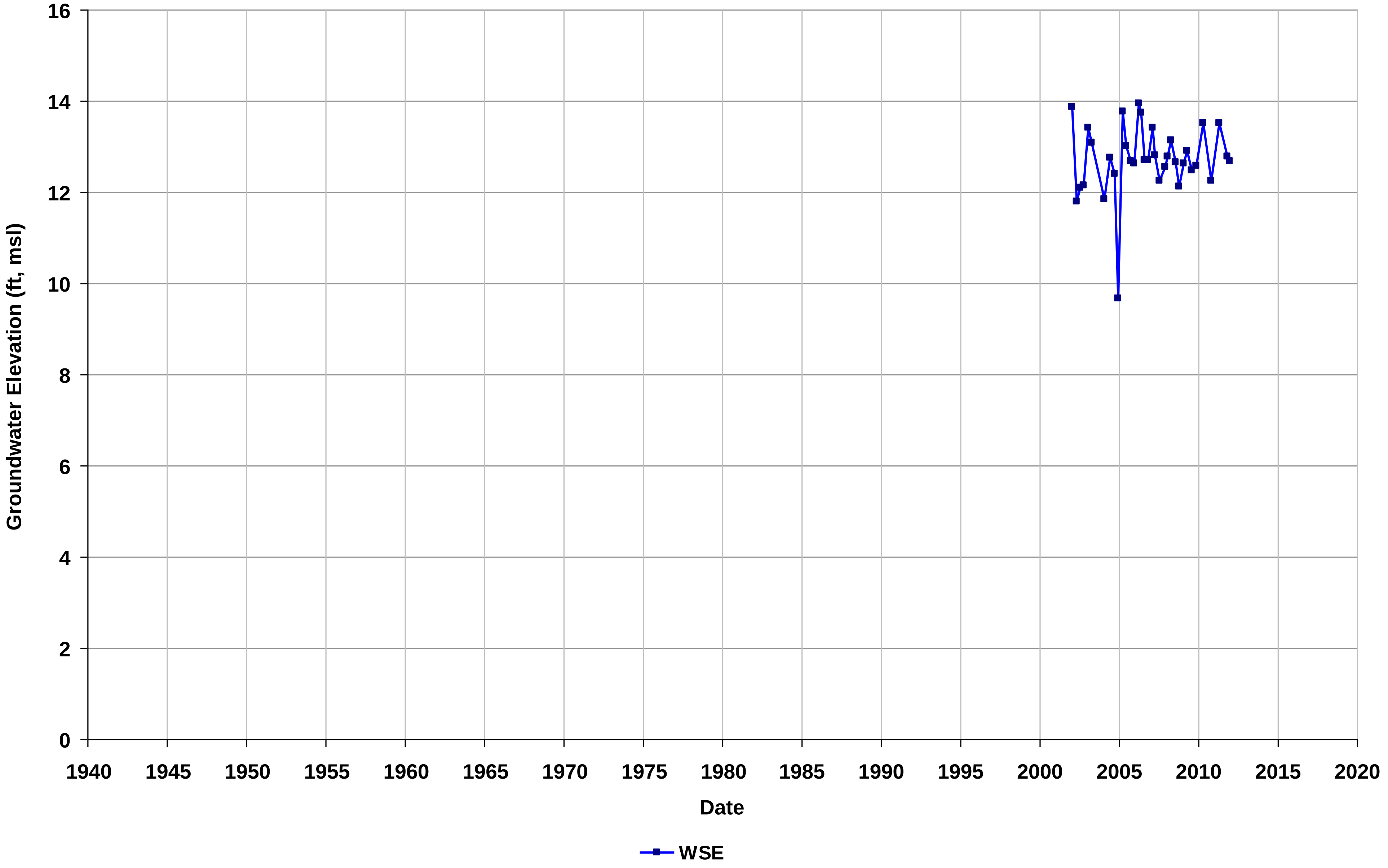
Well Name: T0600101748-MW1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/34
Well Use: Observation



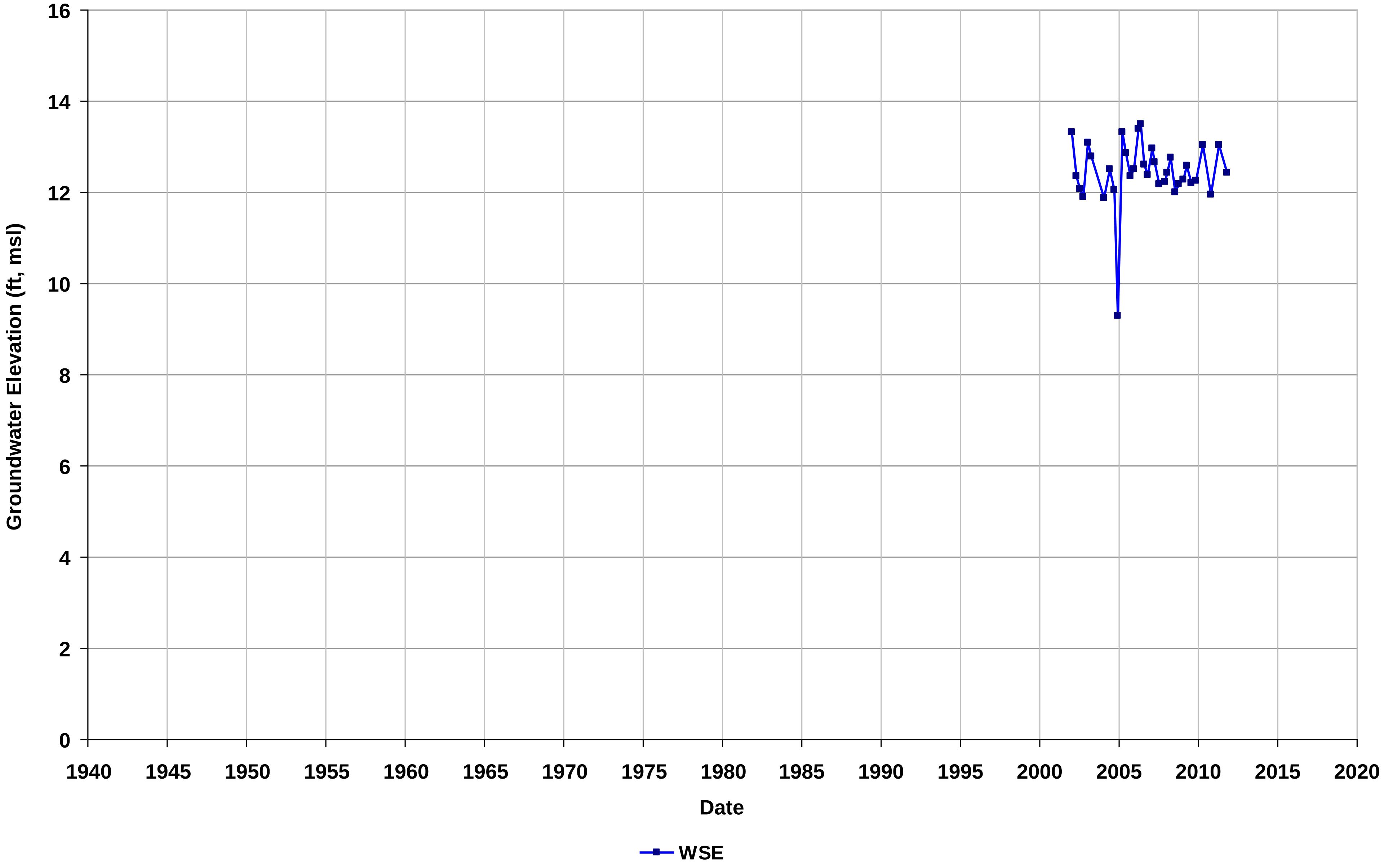
Well Name: T0600101748-MW2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/34
Well Use: Observation



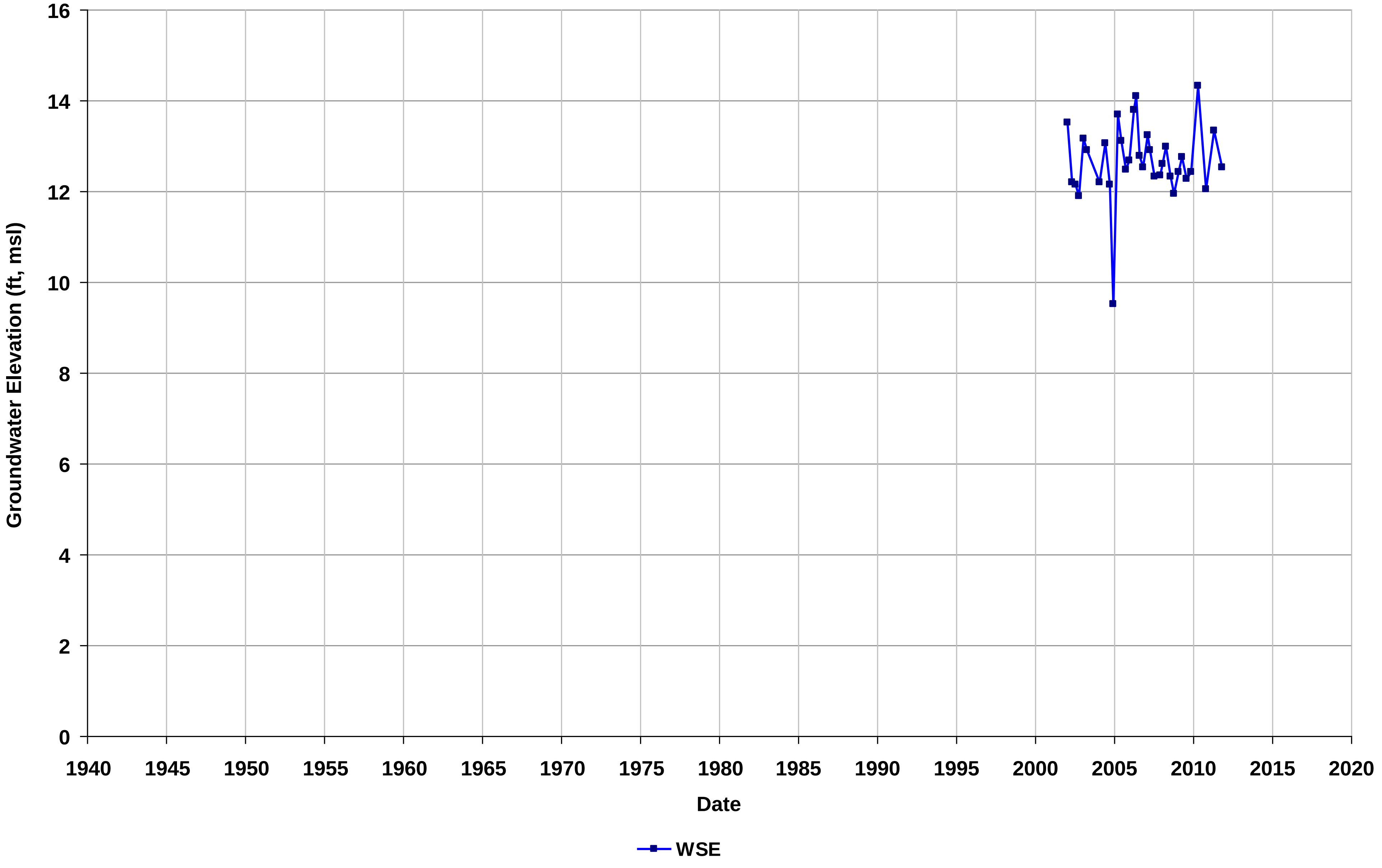
Well Name: T0600101748-MW3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/34
Well Use: Observation



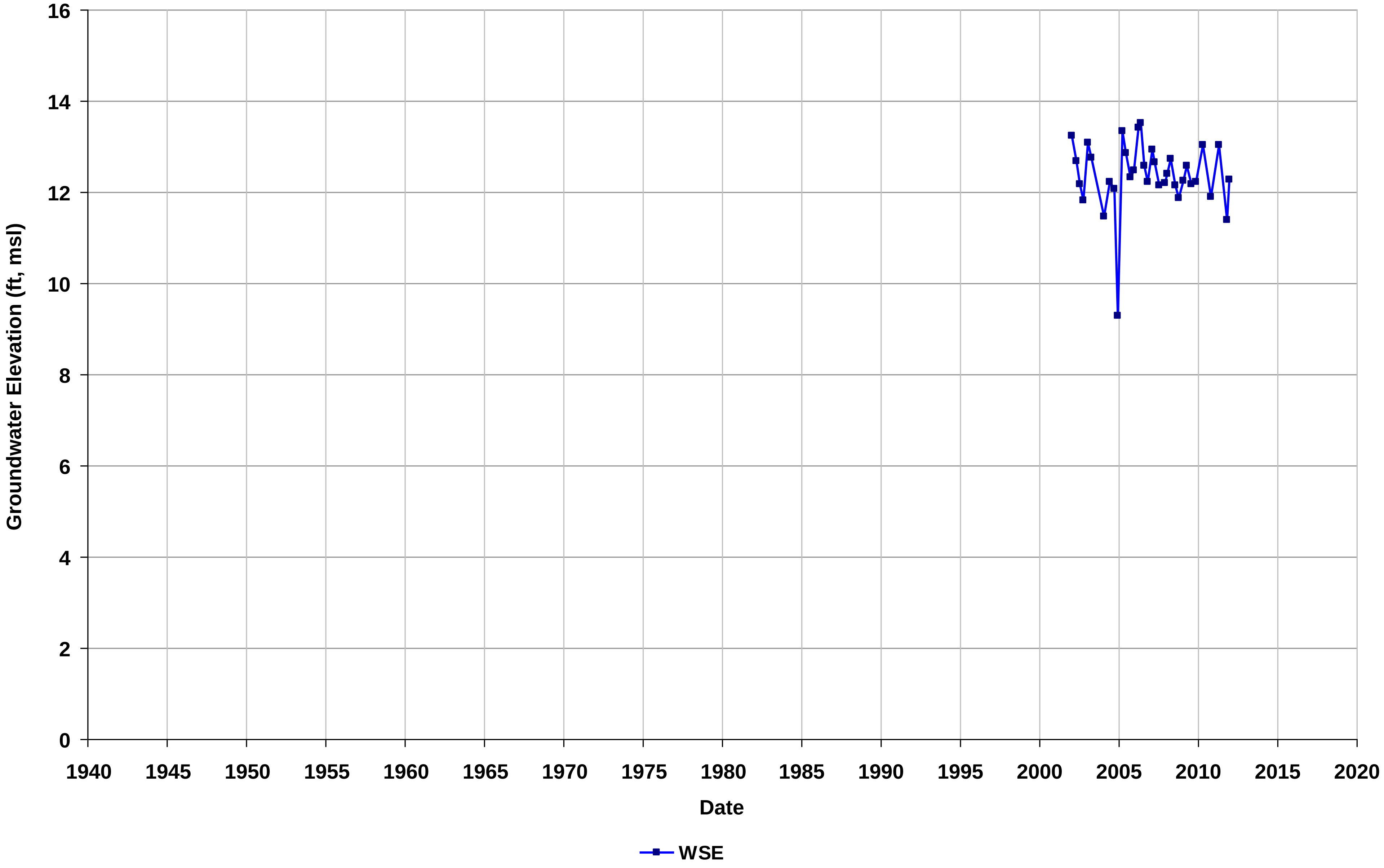
Well Name: T0600101748-MW4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/34
Well Use: Observation



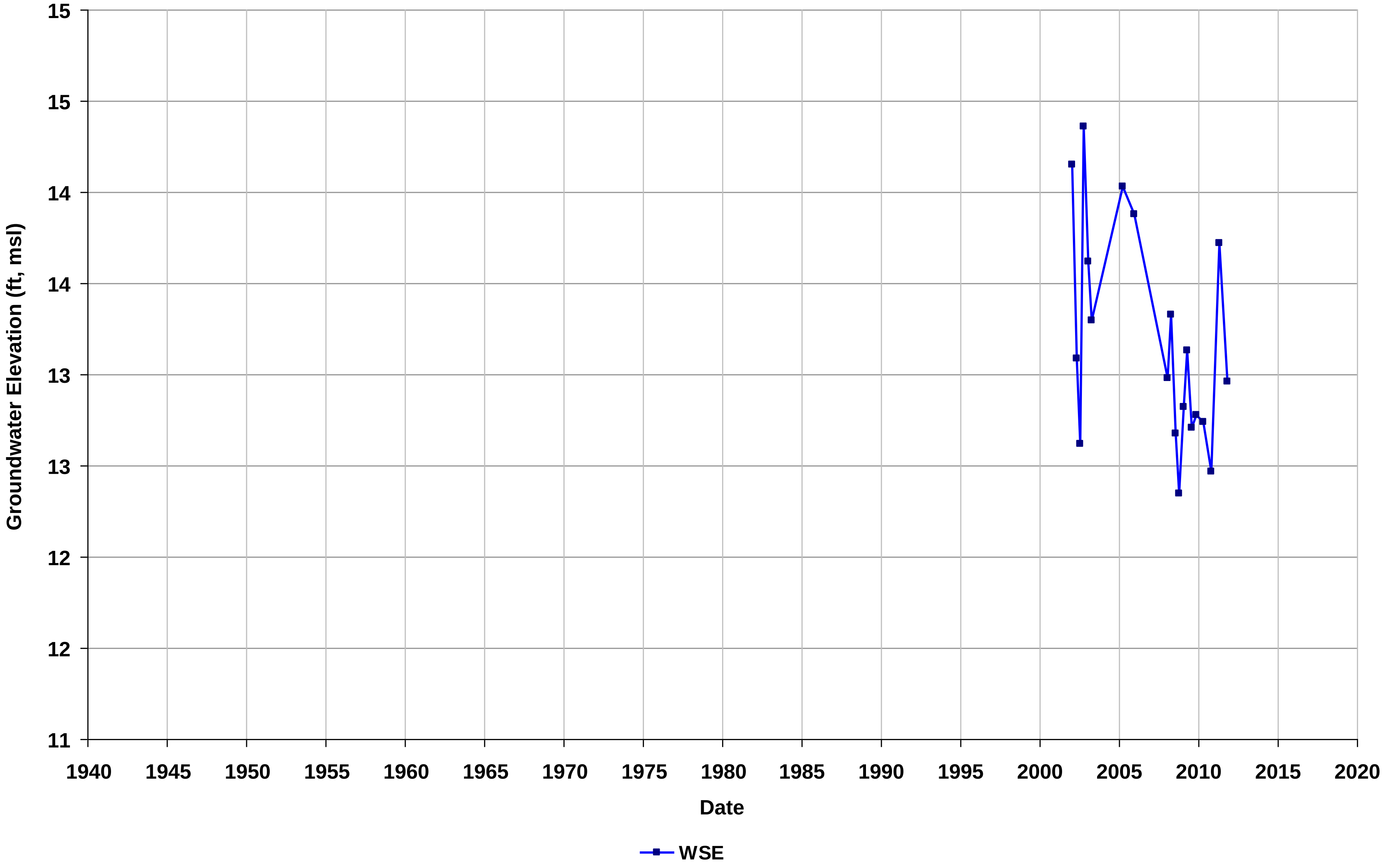
Well Name: T0600101748-MW5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/34
Well Use: Observation



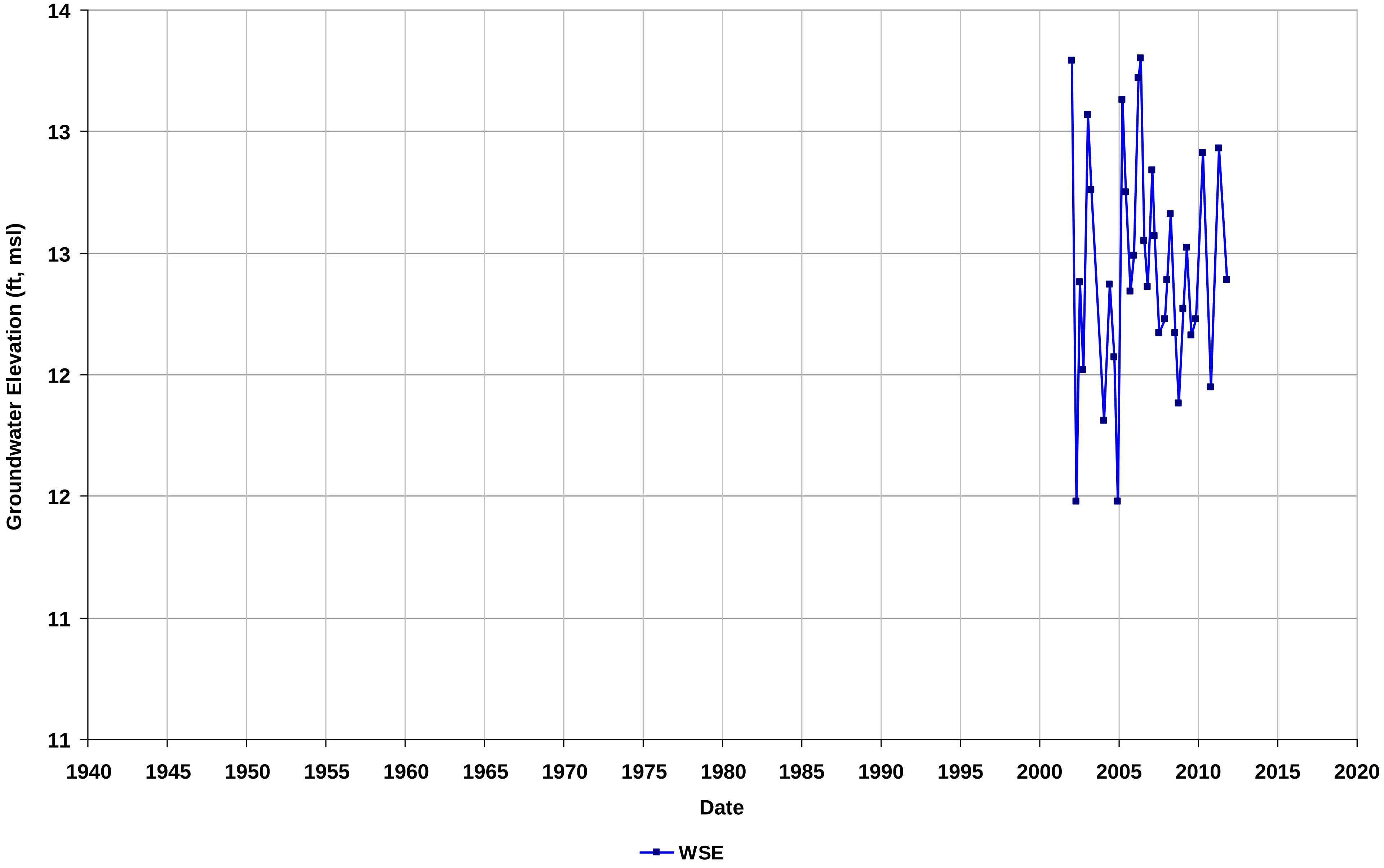
Well Name: T0600101748-MW6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/34
Well Use: Observation



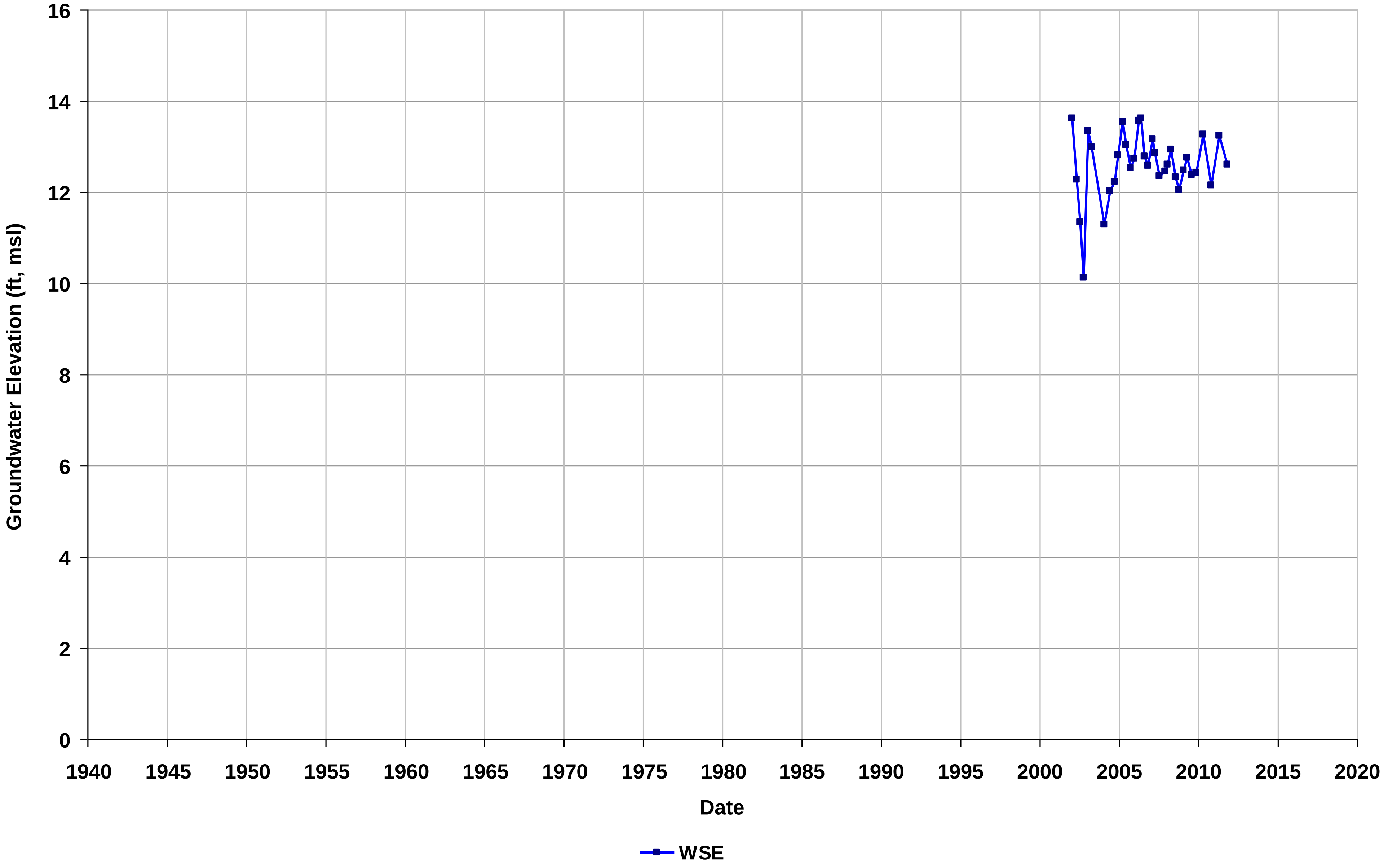
Well Name: T0600101748-MW7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/34
Well Use: Observation



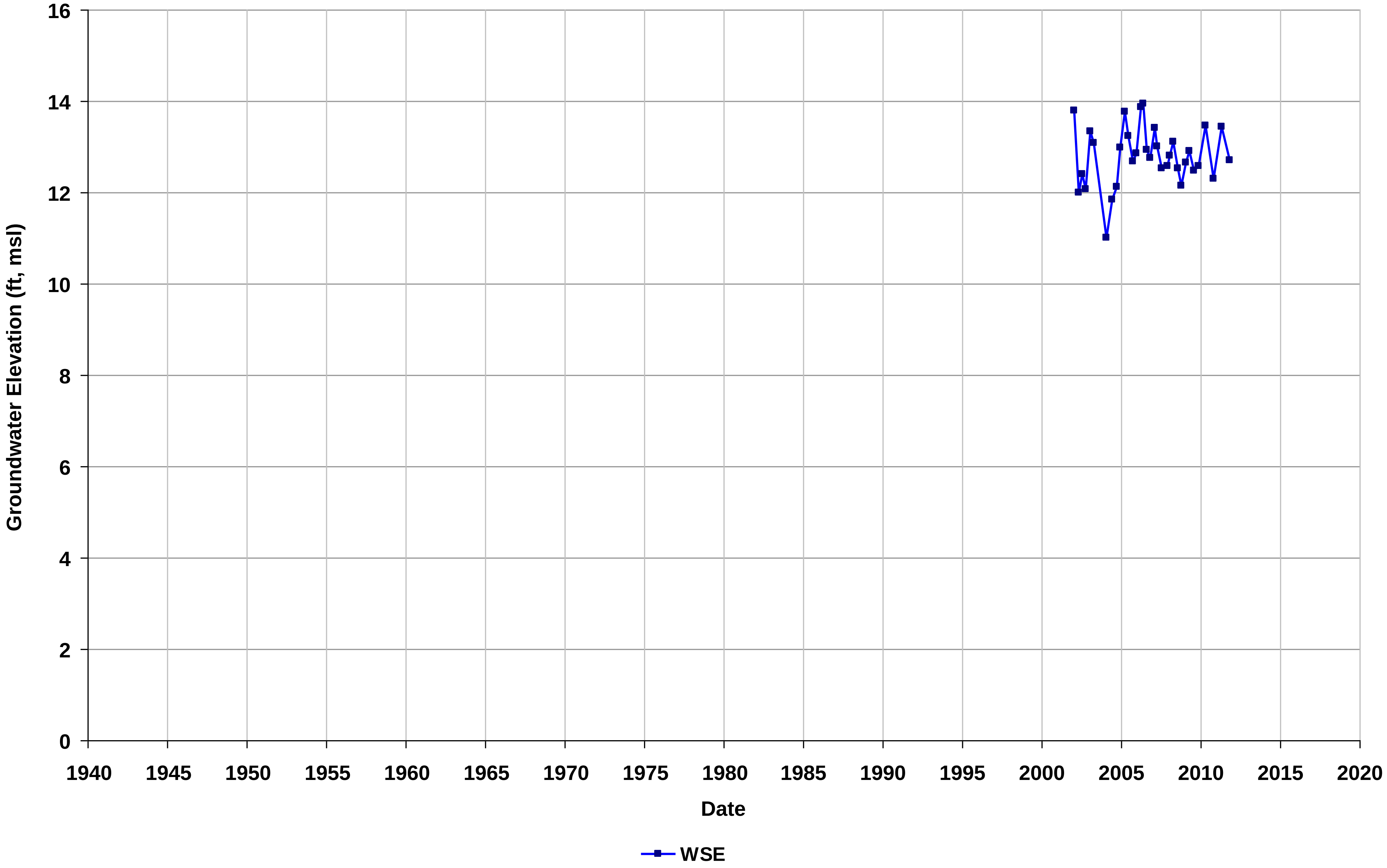
Well Name: T0600101748-MW8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/35
Well Use: Observation



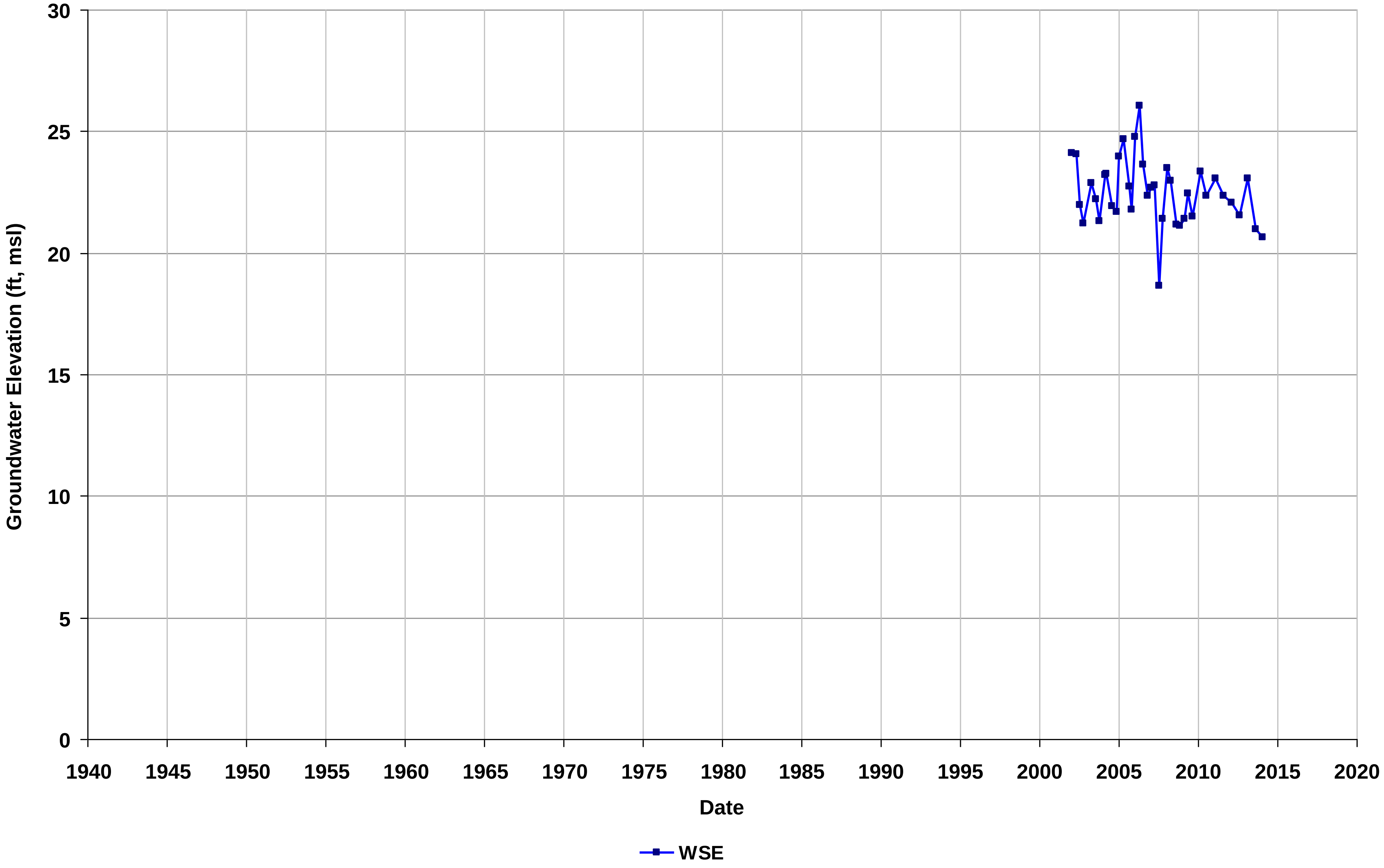
Well Name: T0600101748-MW9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/35
Well Use: Observation



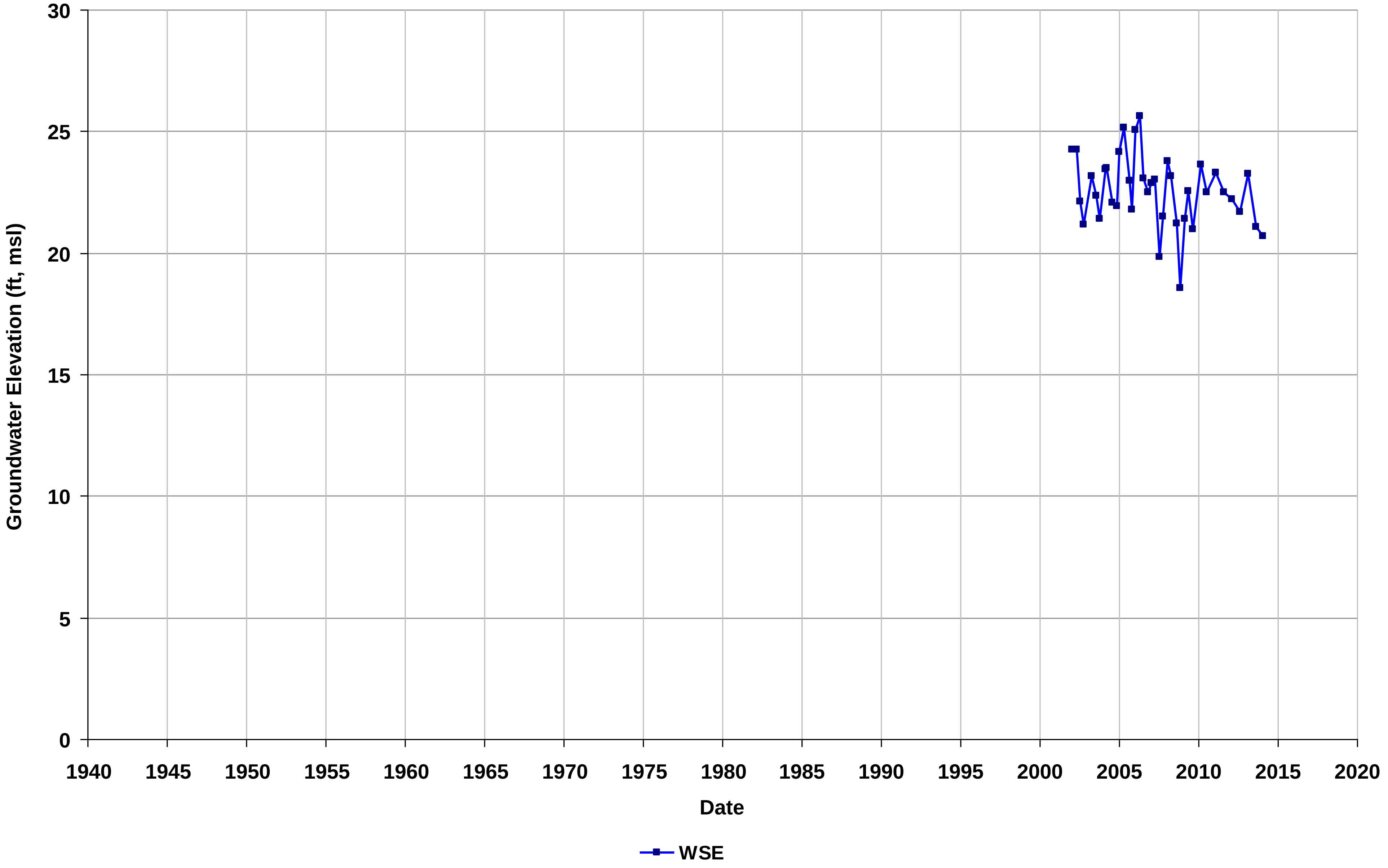
Well Name: T0600101764-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/35
Well Use: Observation



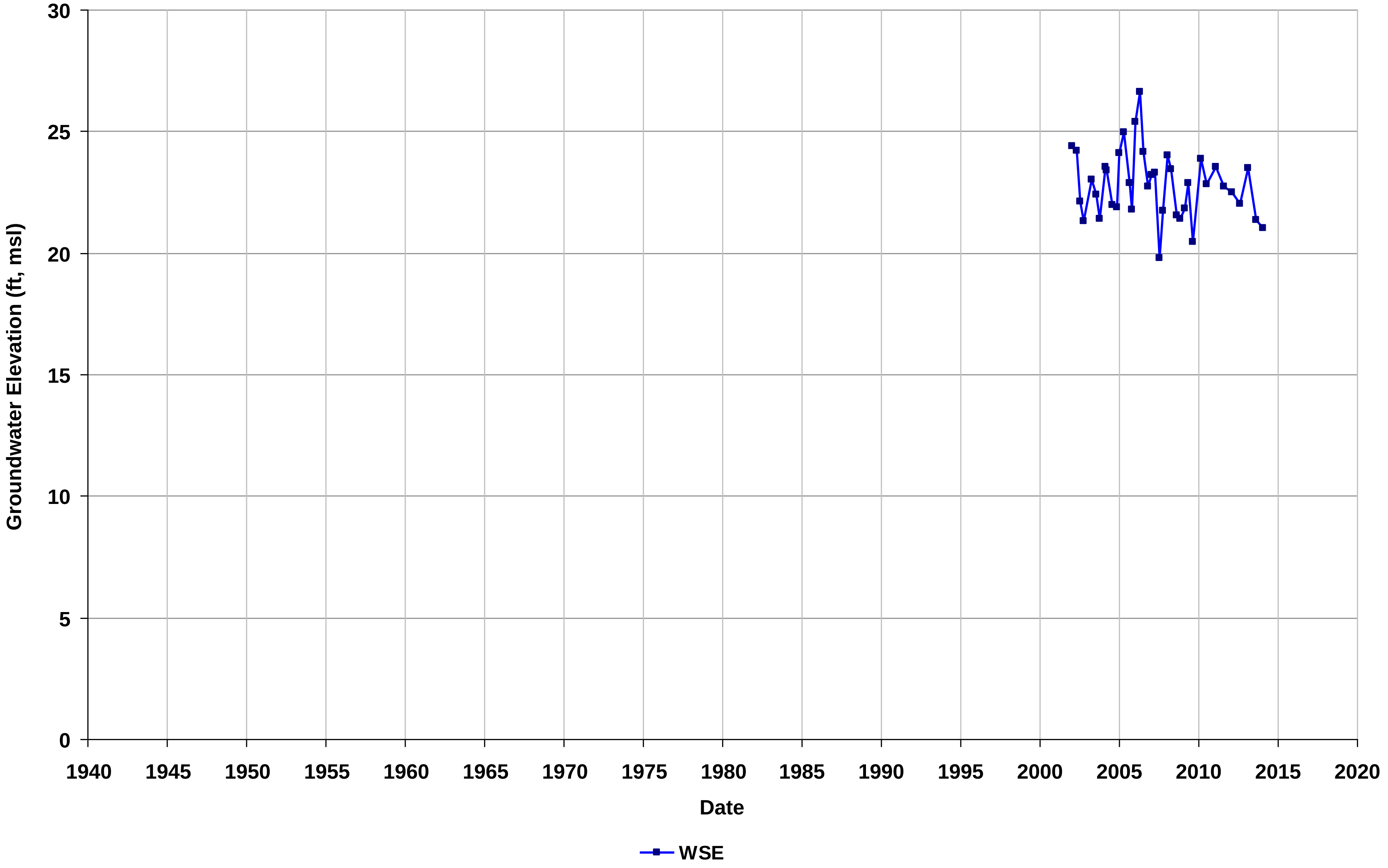
Well Name: T0600101764-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/35
Well Use: Observation



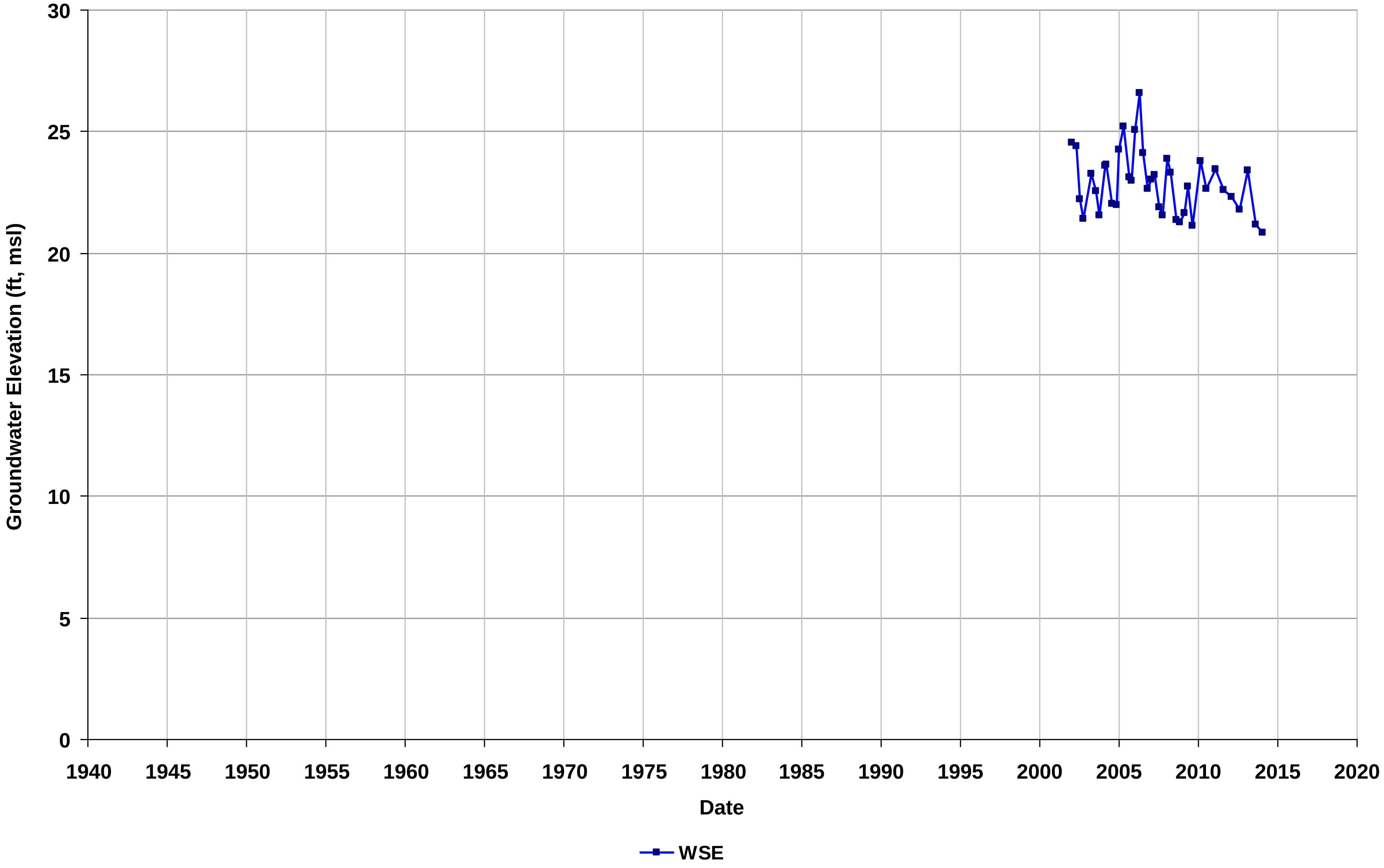
Well Name: T0600101764-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/35
Well Use: Observation



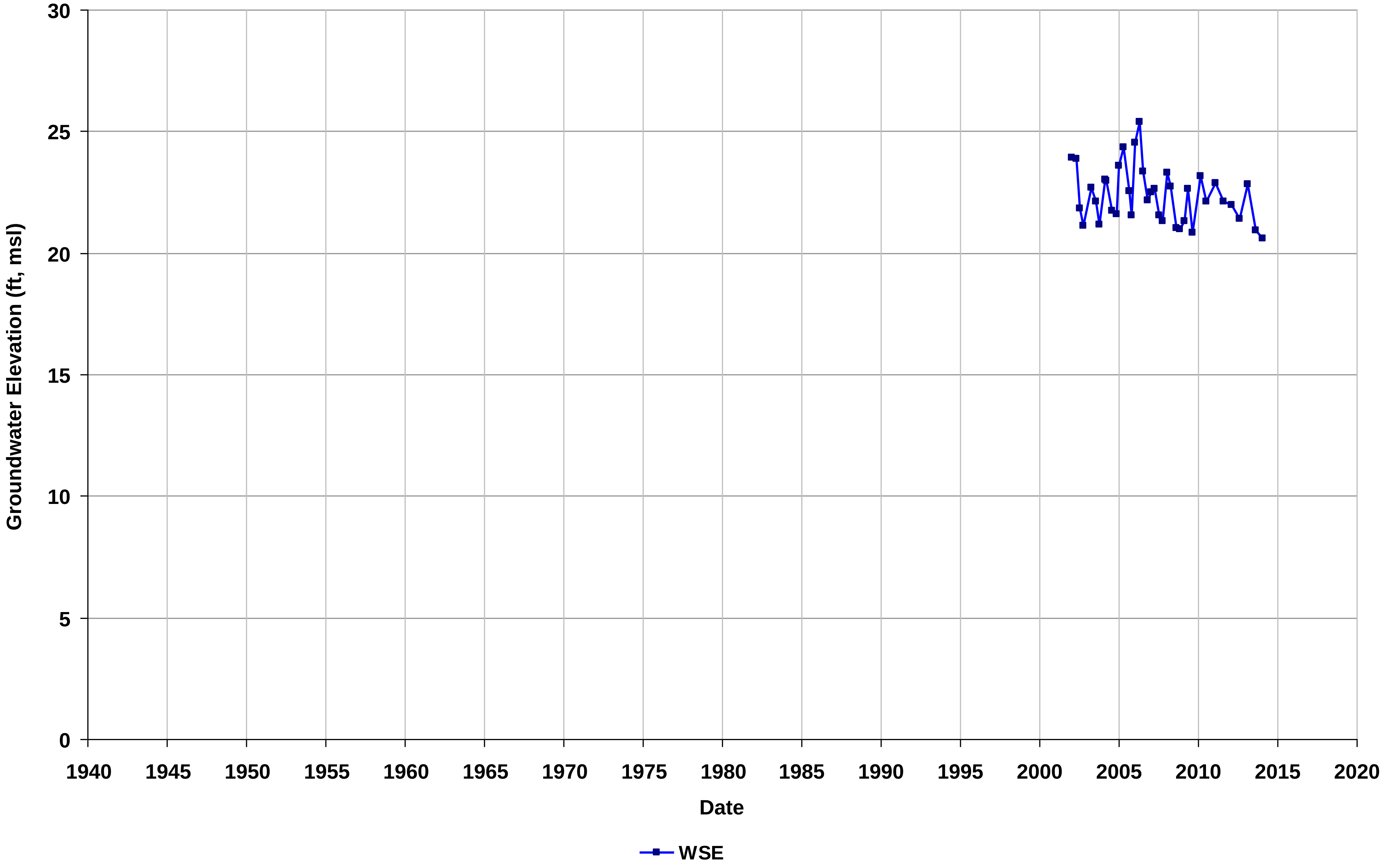
Well Name: T0600101764-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/35
Well Use: Observation



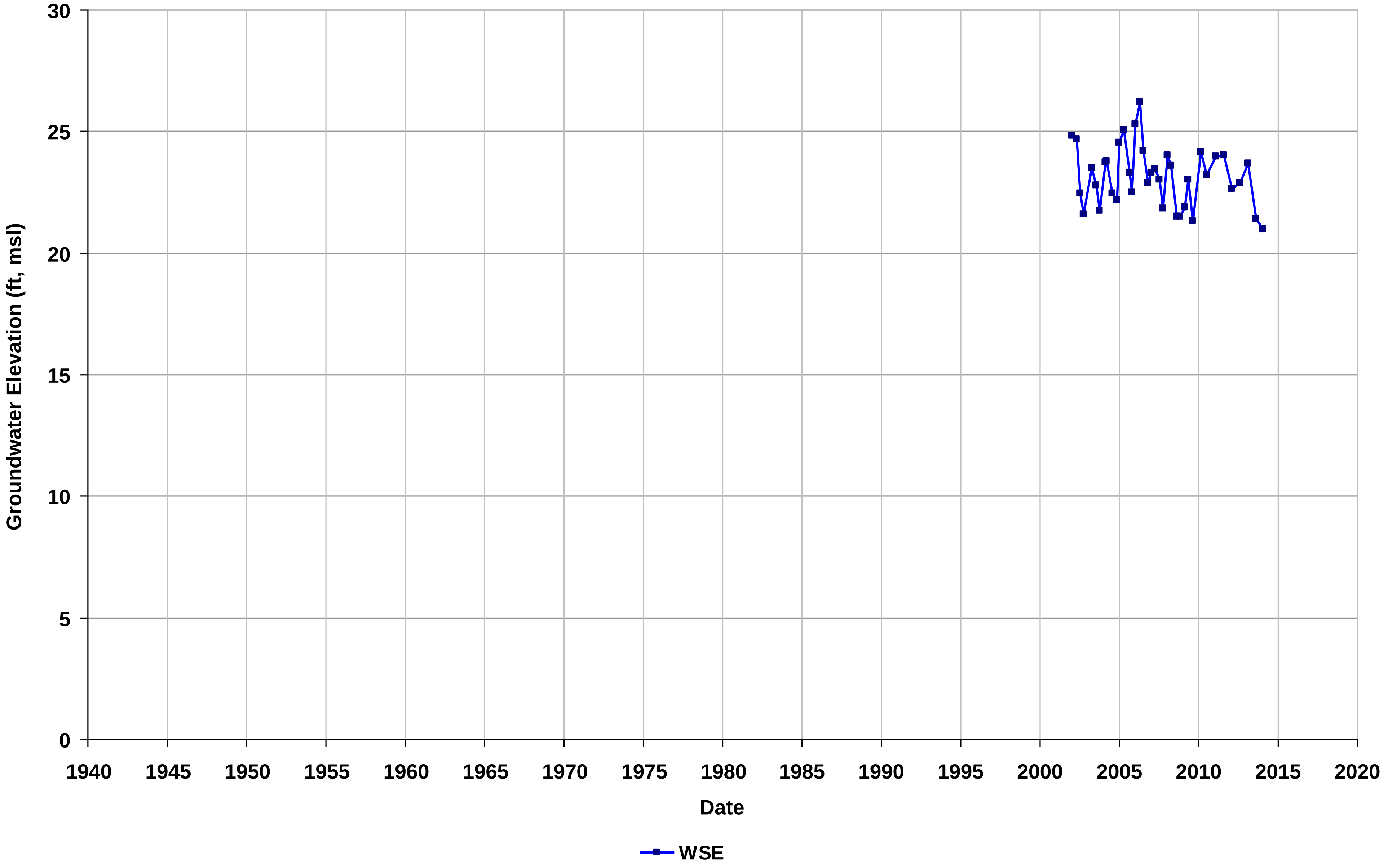
Well Name: T0600101764-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/35
Well Use: Observation



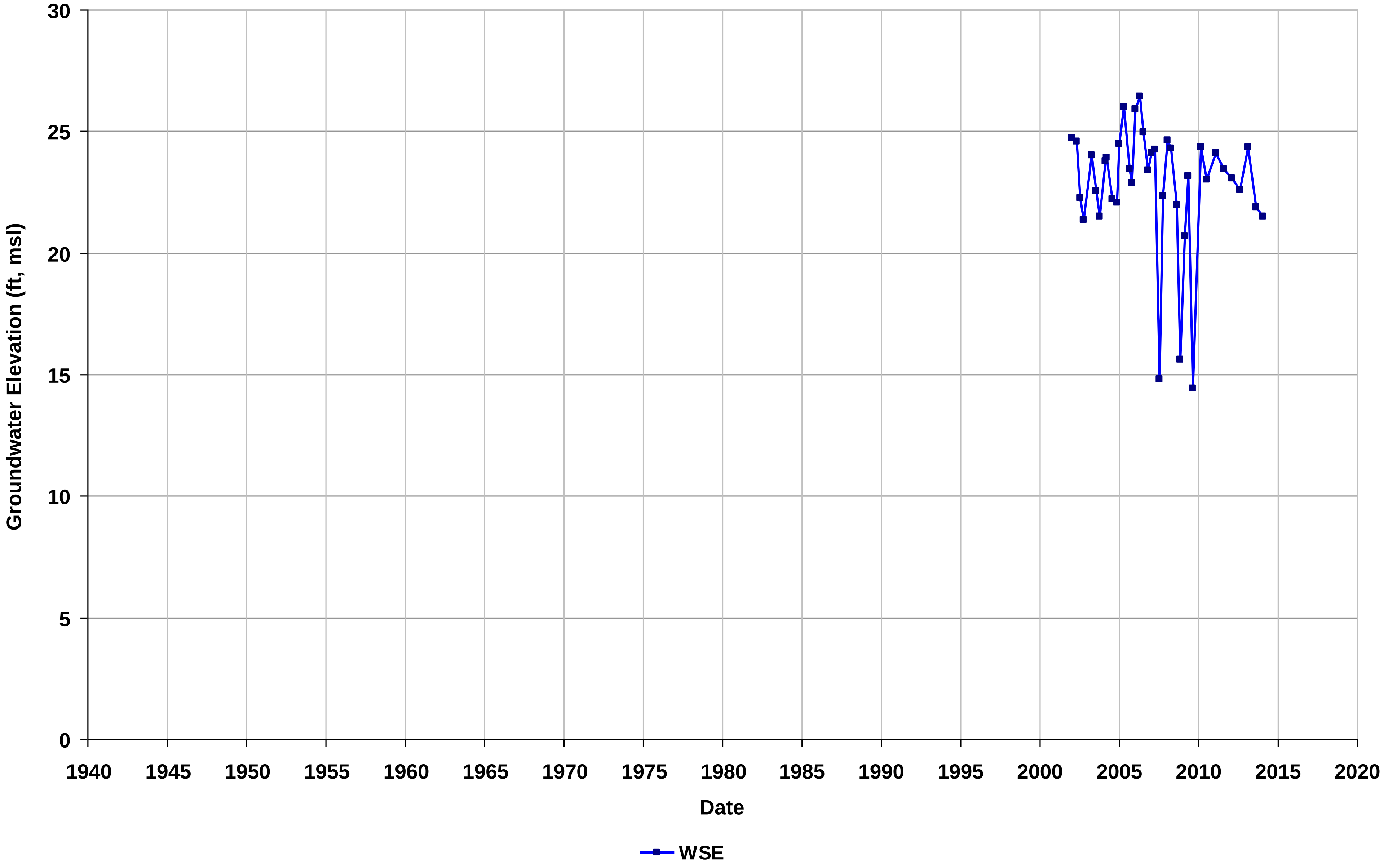
Well Name: T0600101764-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/35
Well Use: Observation



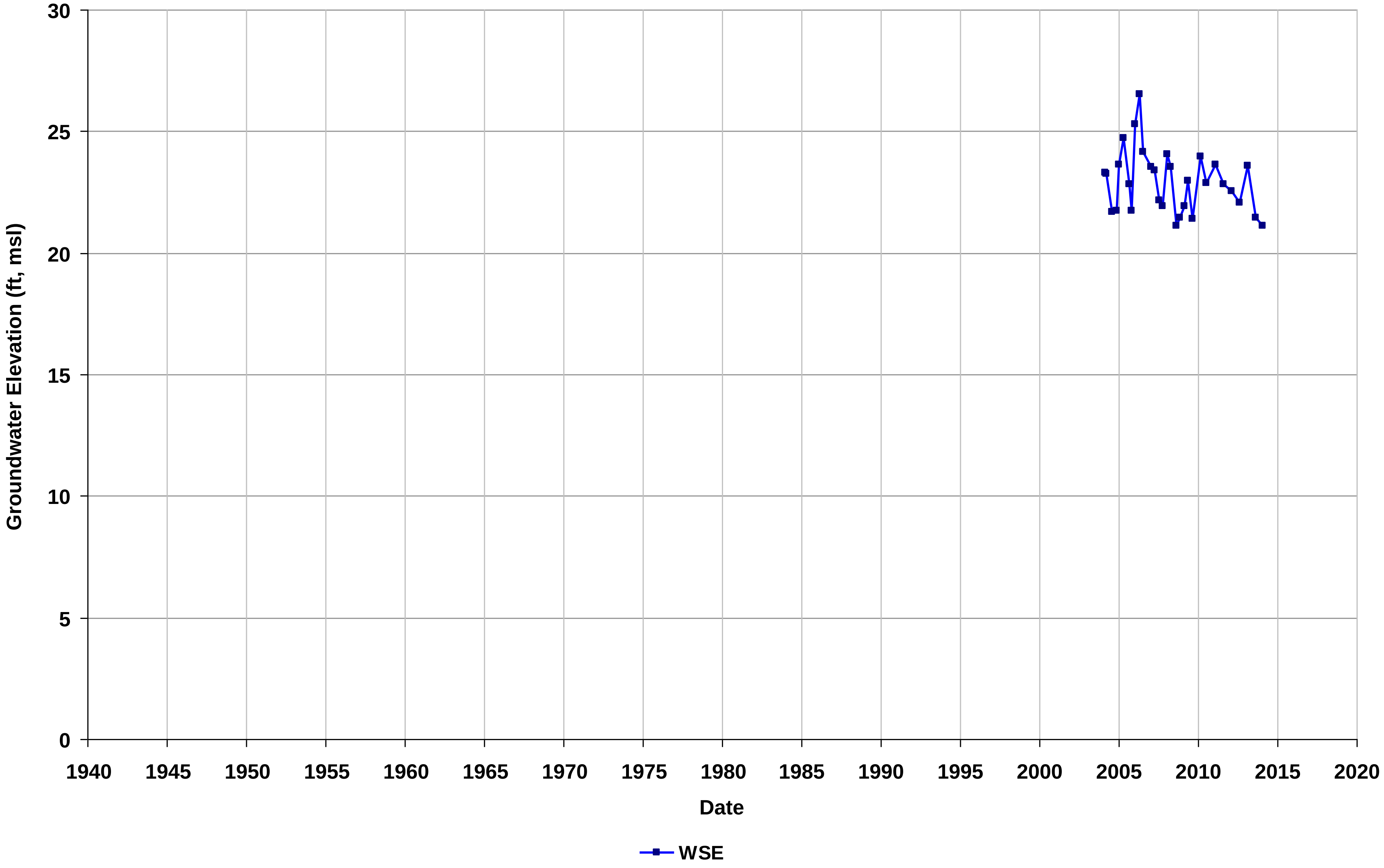
Well Name: T0600101764-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/35
Well Use: Observation



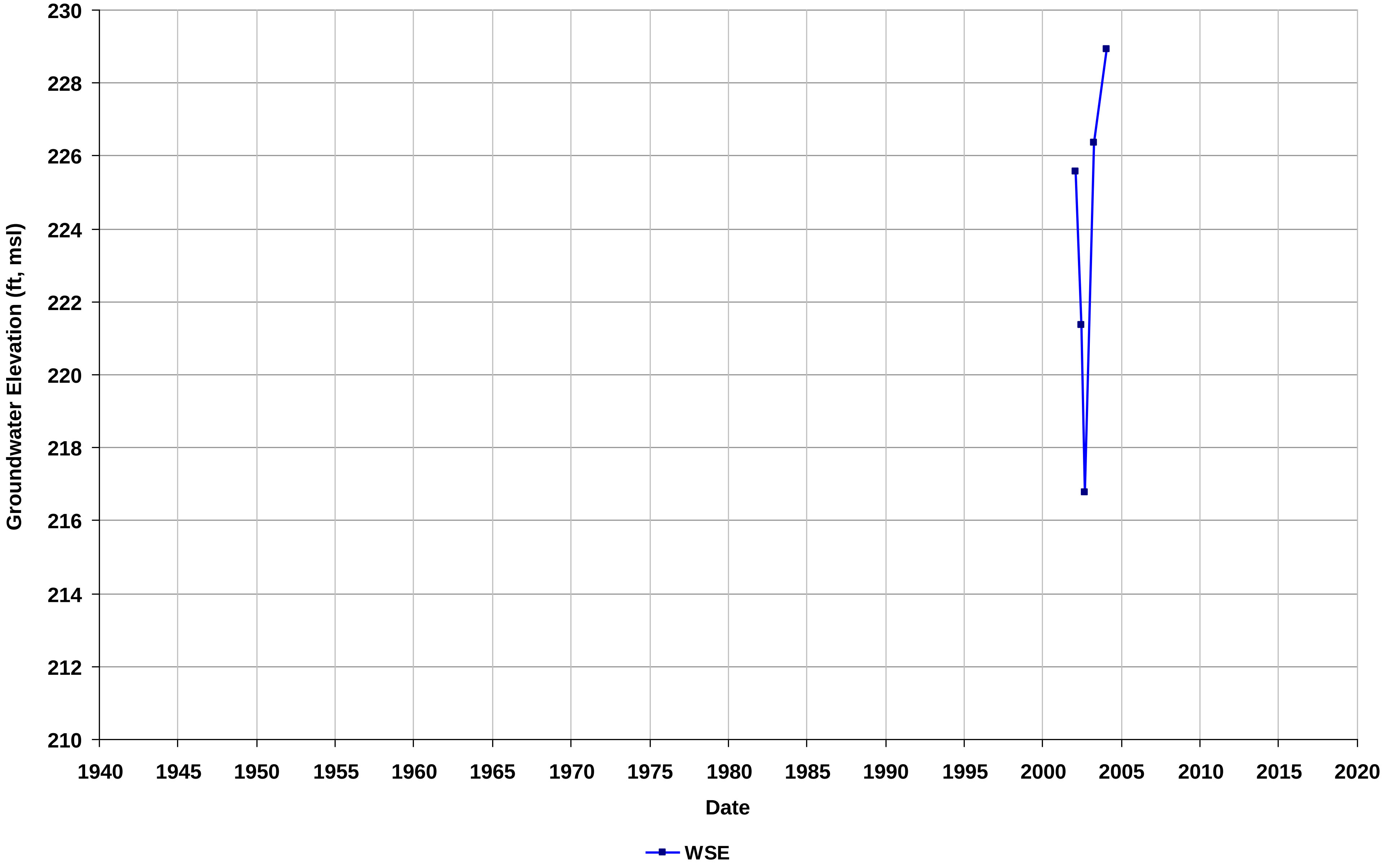
Well Name: T0600101764-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/35
Well Use: Observation



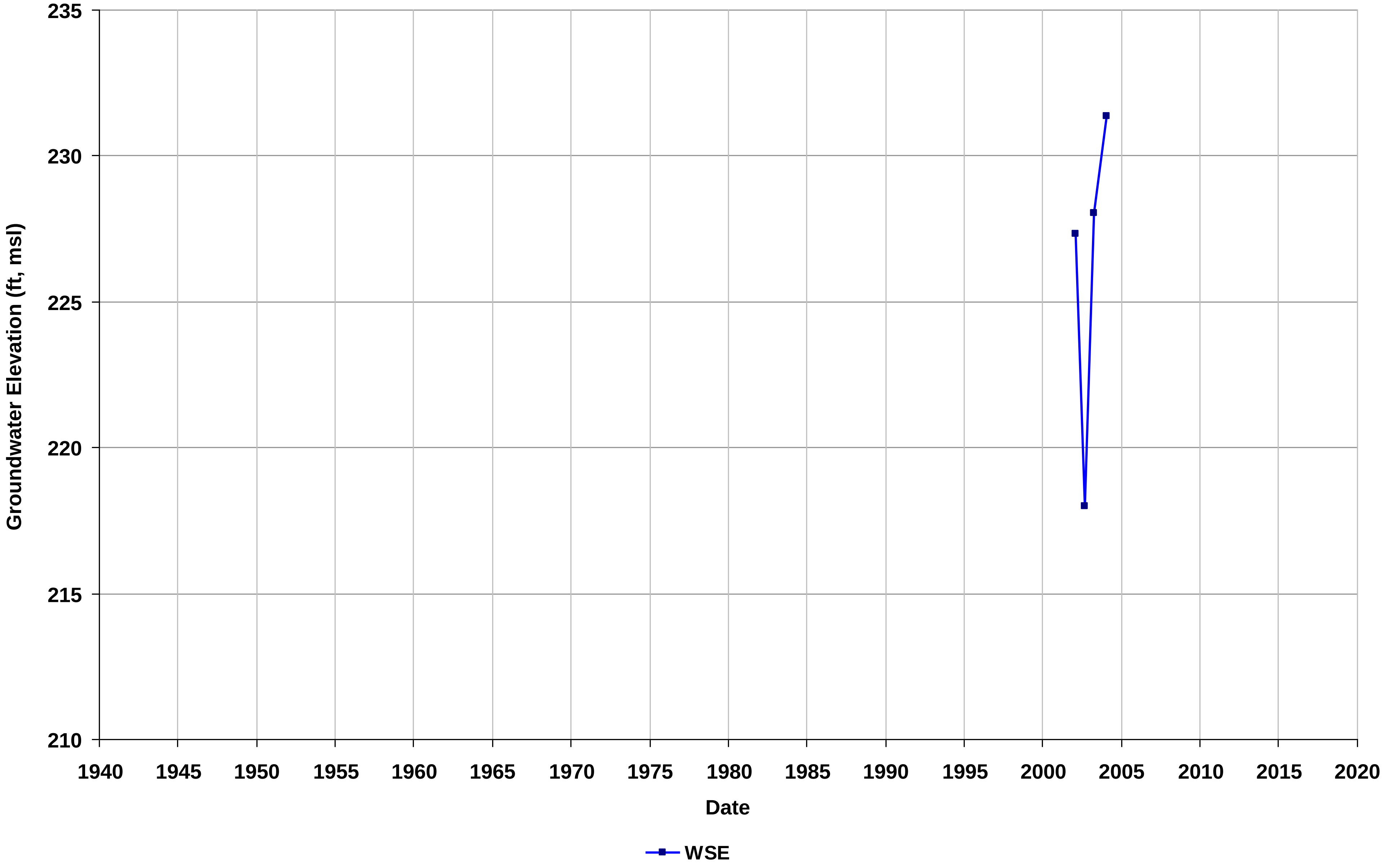
Well Name: T0600101775-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/12
Well Use: Observation



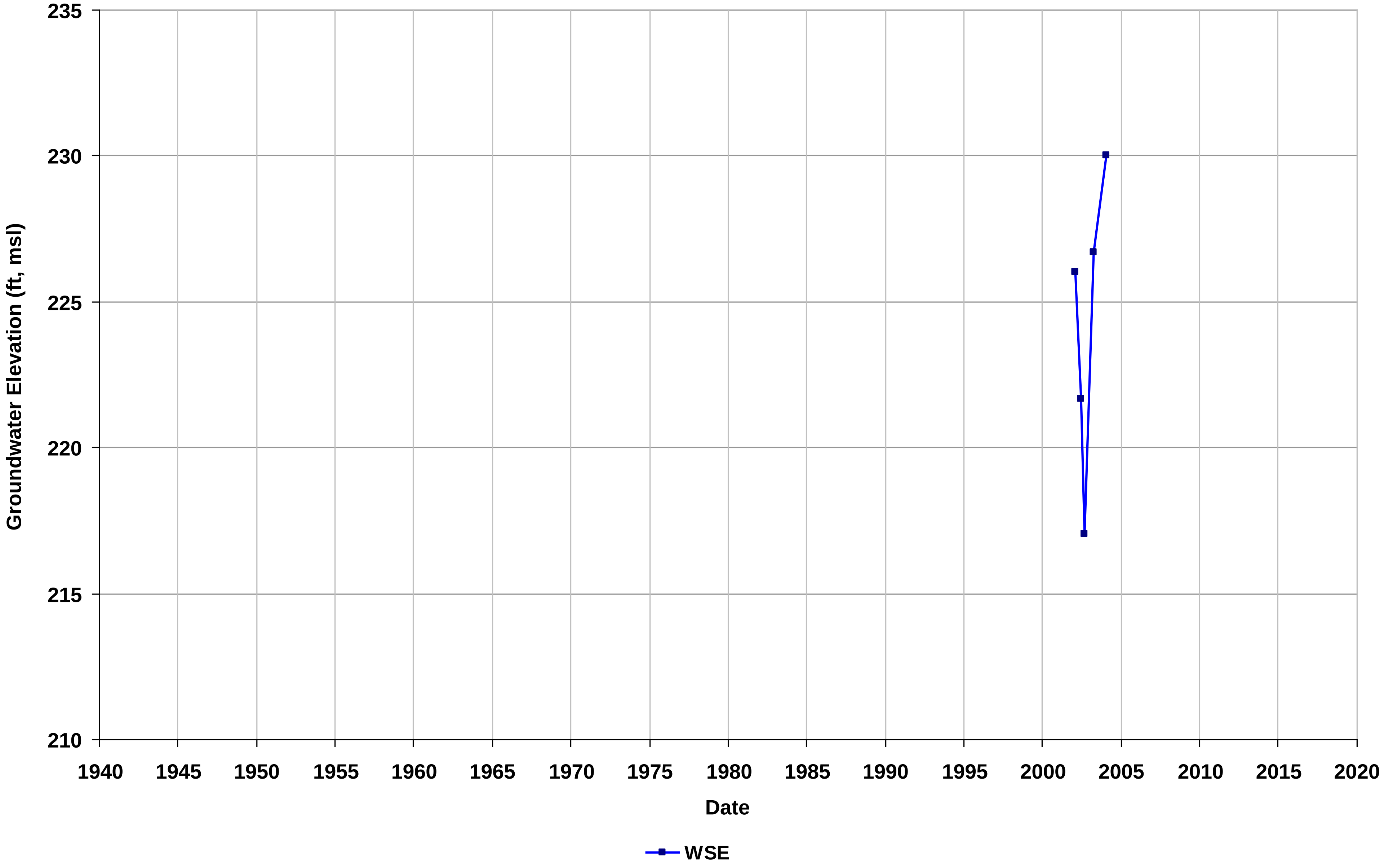
Well Name: T0600101775-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/12
Well Use: Observation



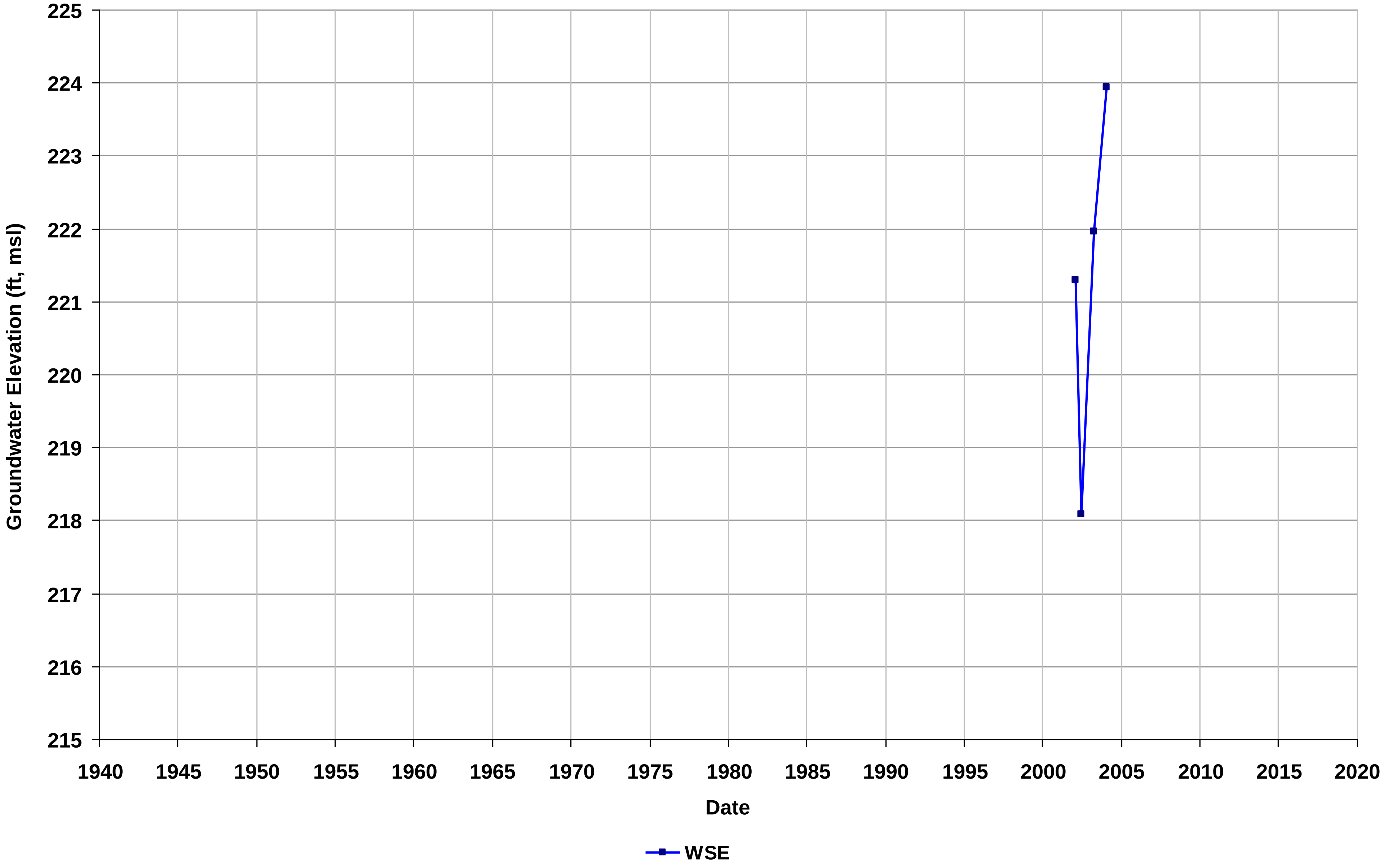
Well Name: T0600101775-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/12
Well Use: Observation



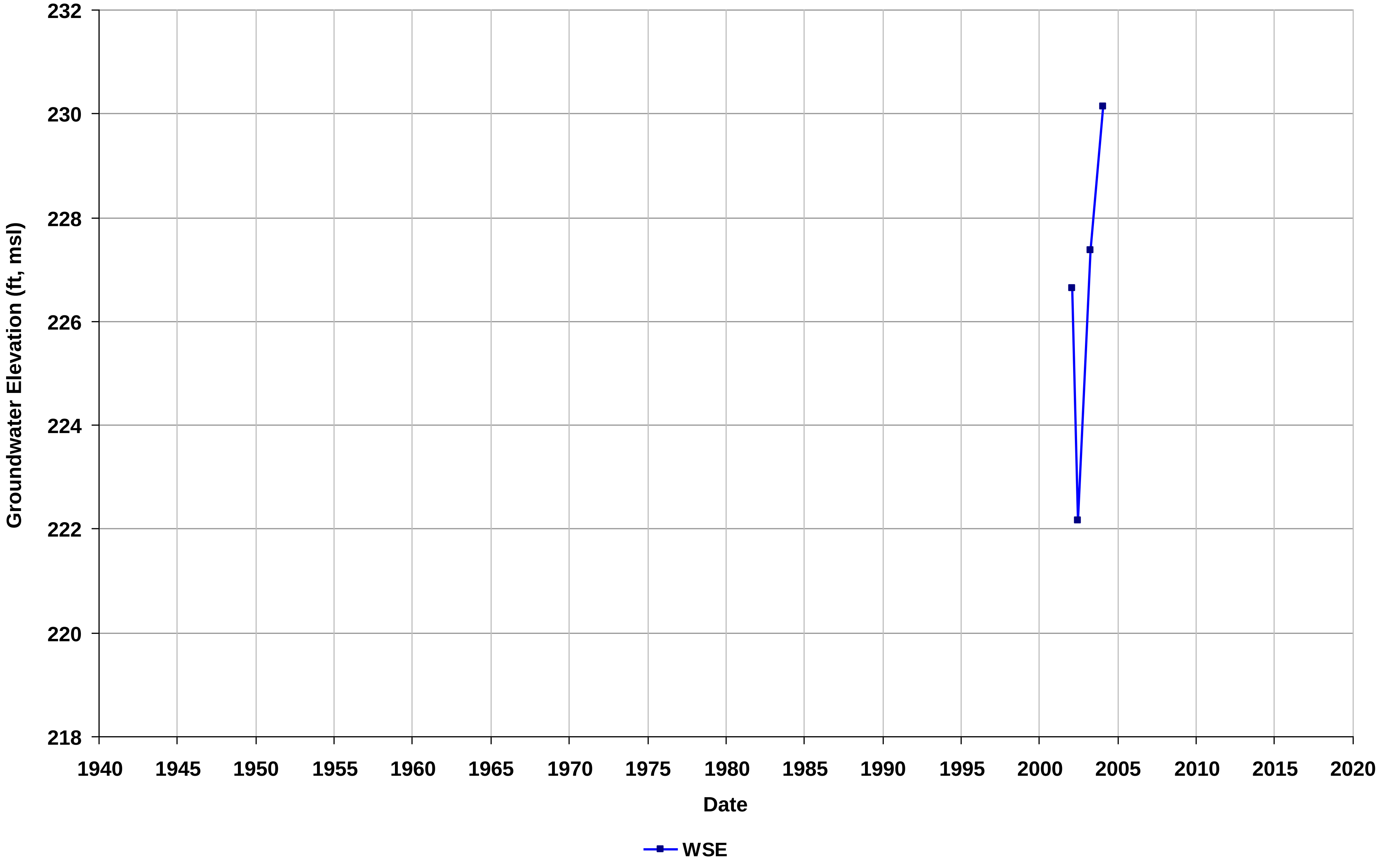
Well Name: T0600101775-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/12
Well Use: Observation



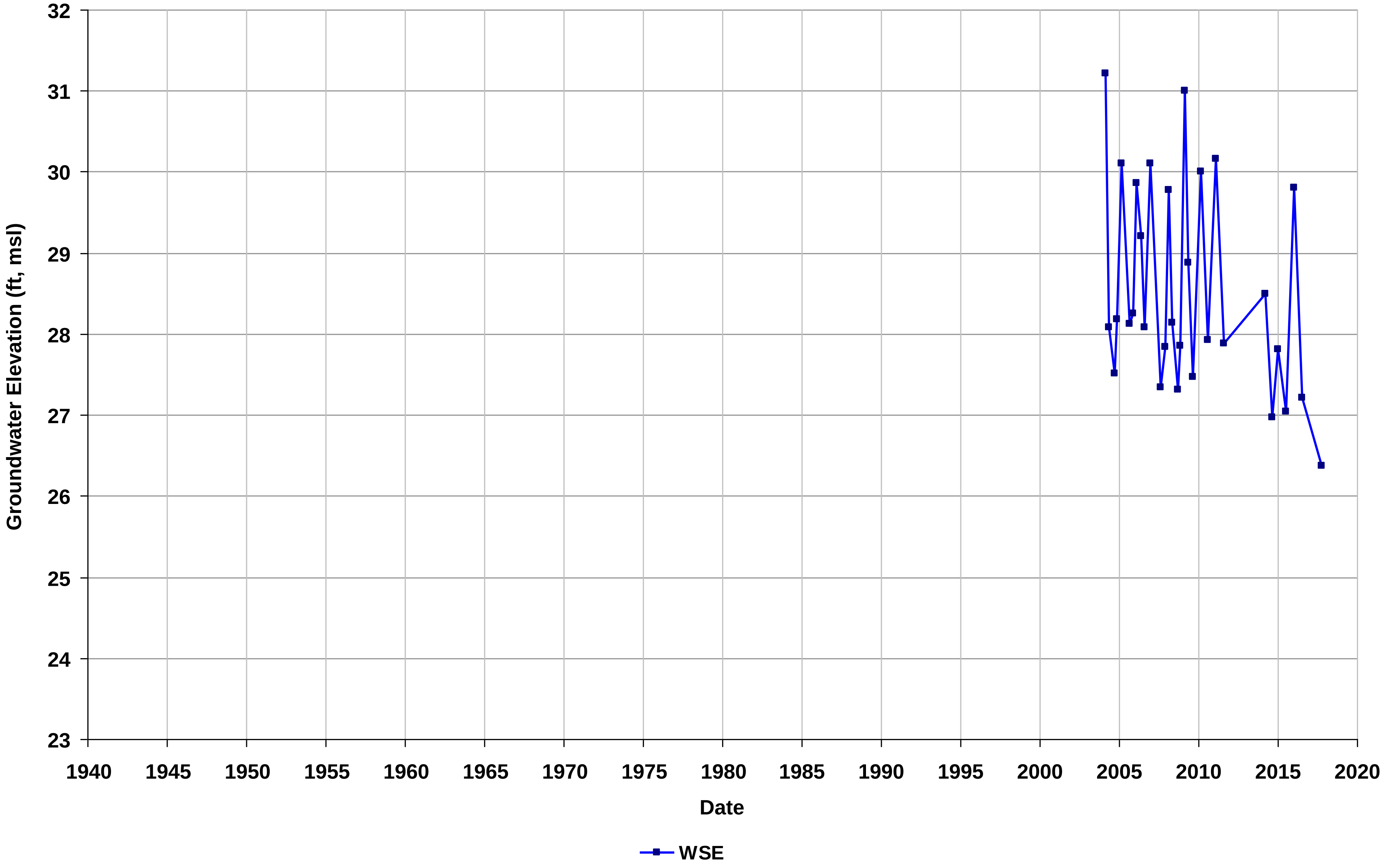
Well Name: T0600101775-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/12
Well Use: Observation



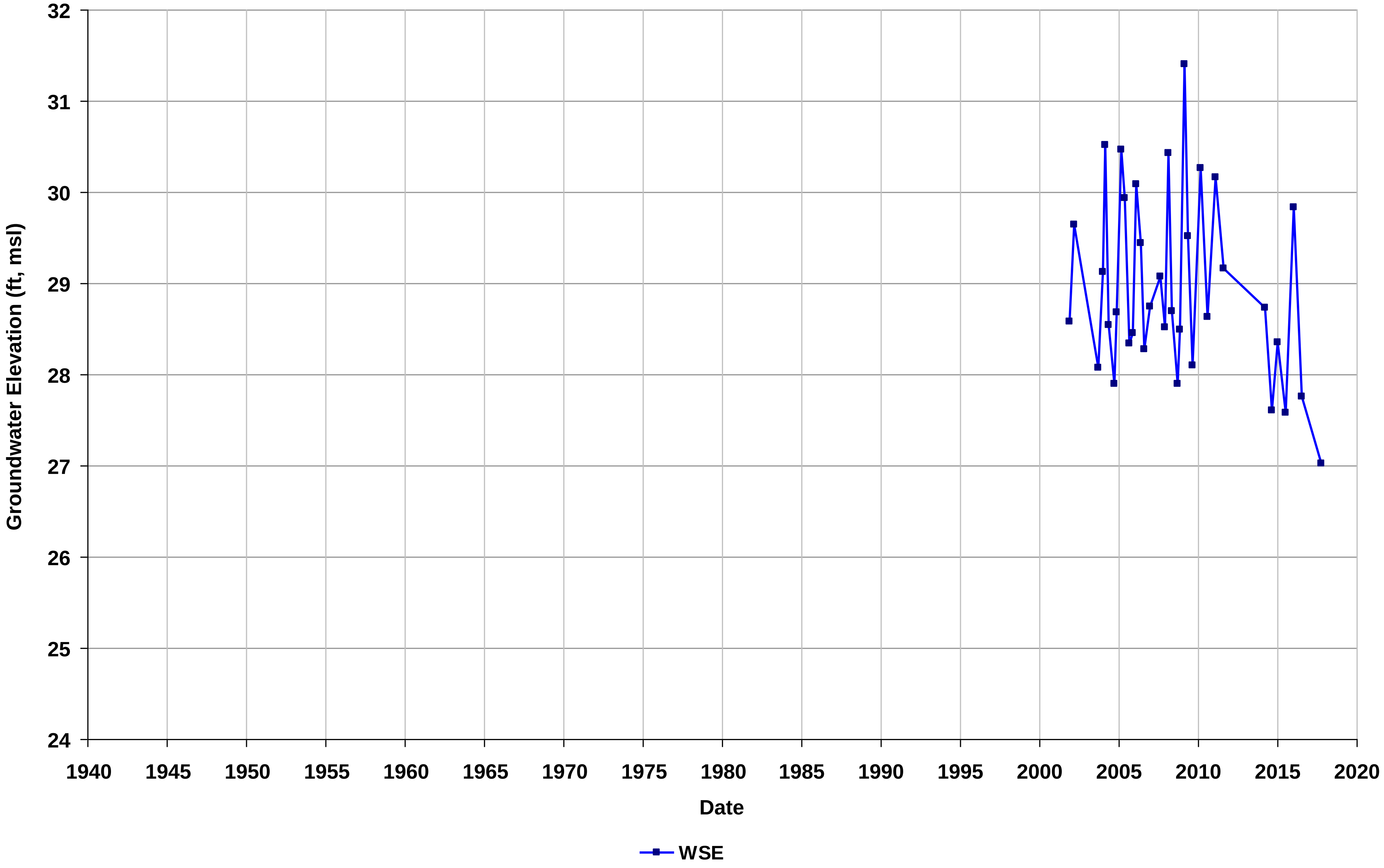
Well Name: T0600101804-MW-1R
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/15
Well Use: Observation



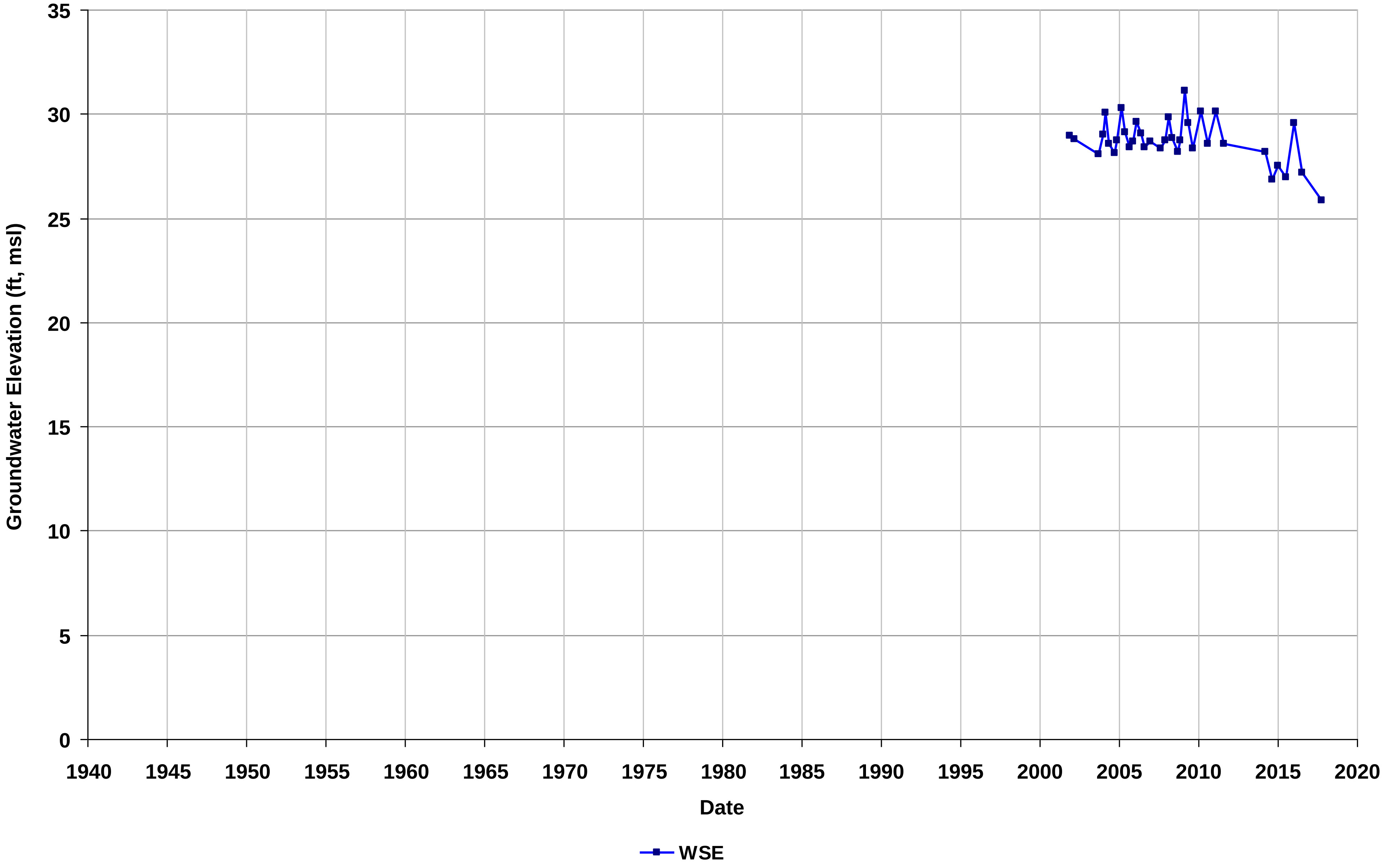
Well Name: T0600101804-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/15
Well Use: Observation



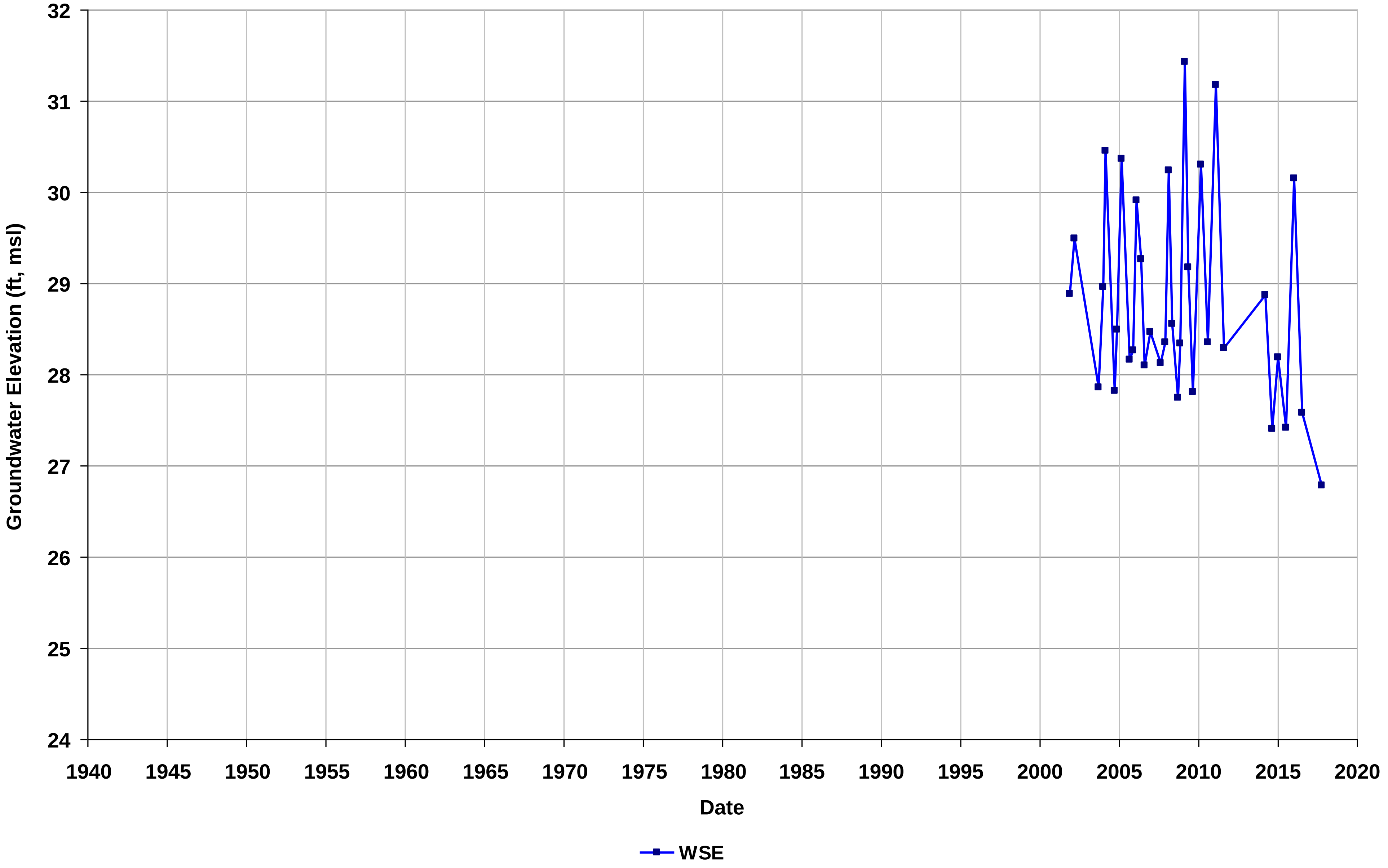
Well Name: T0600101804-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/15
Well Use: Observation



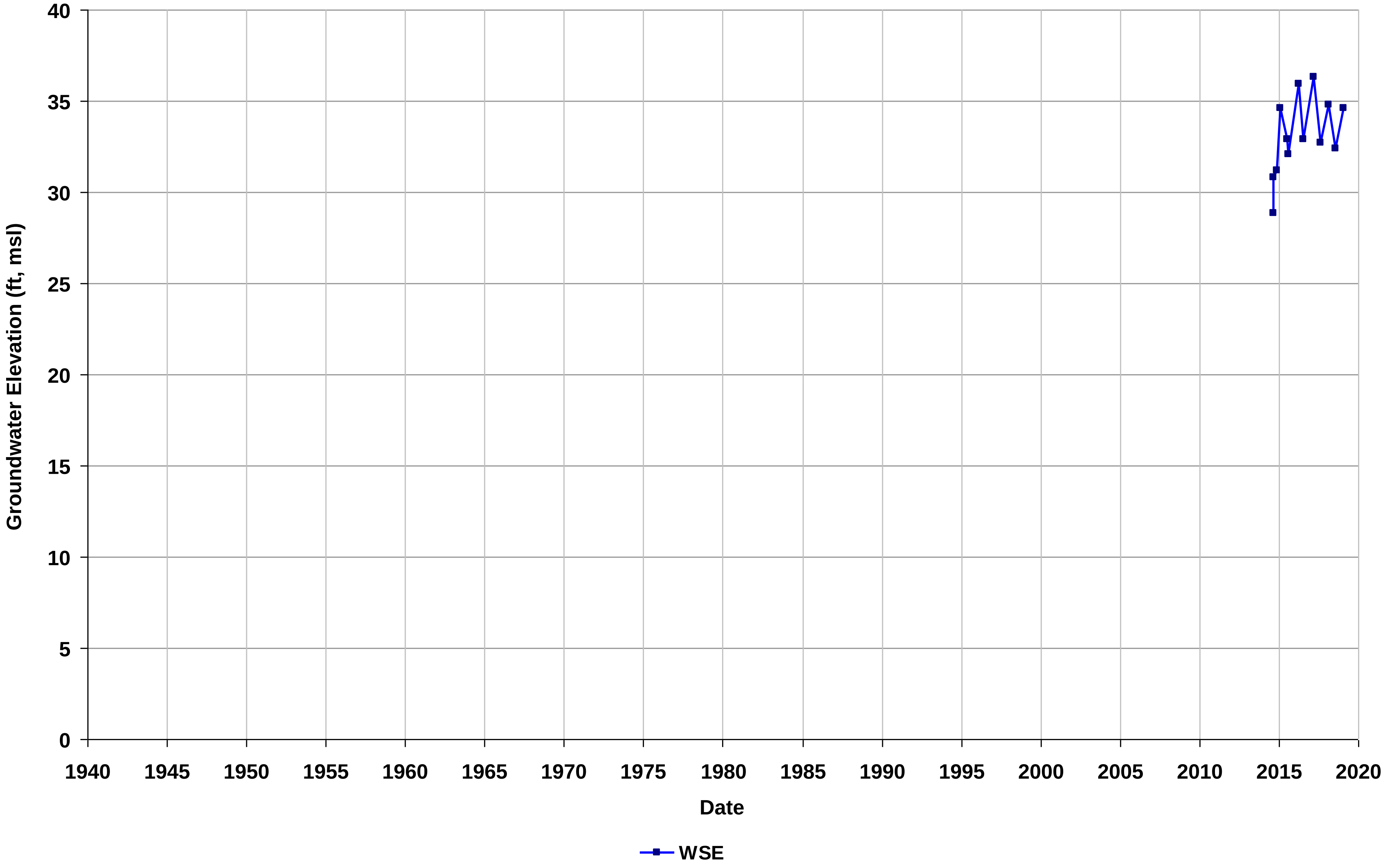
Well Name: T0600101804-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/15
Well Use: Observation



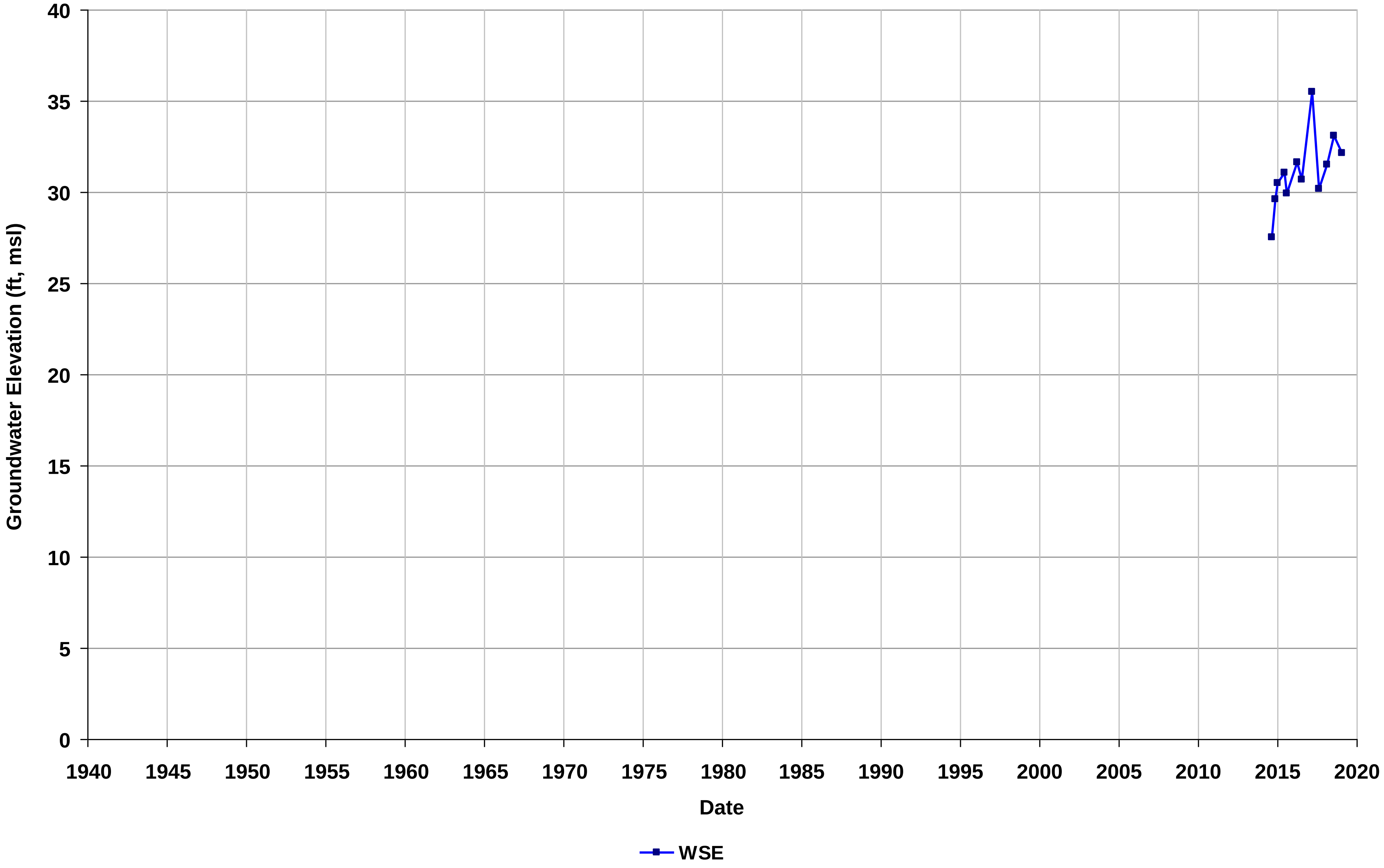
Well Name: T0600101855-MW6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/15
Well Use: Observation



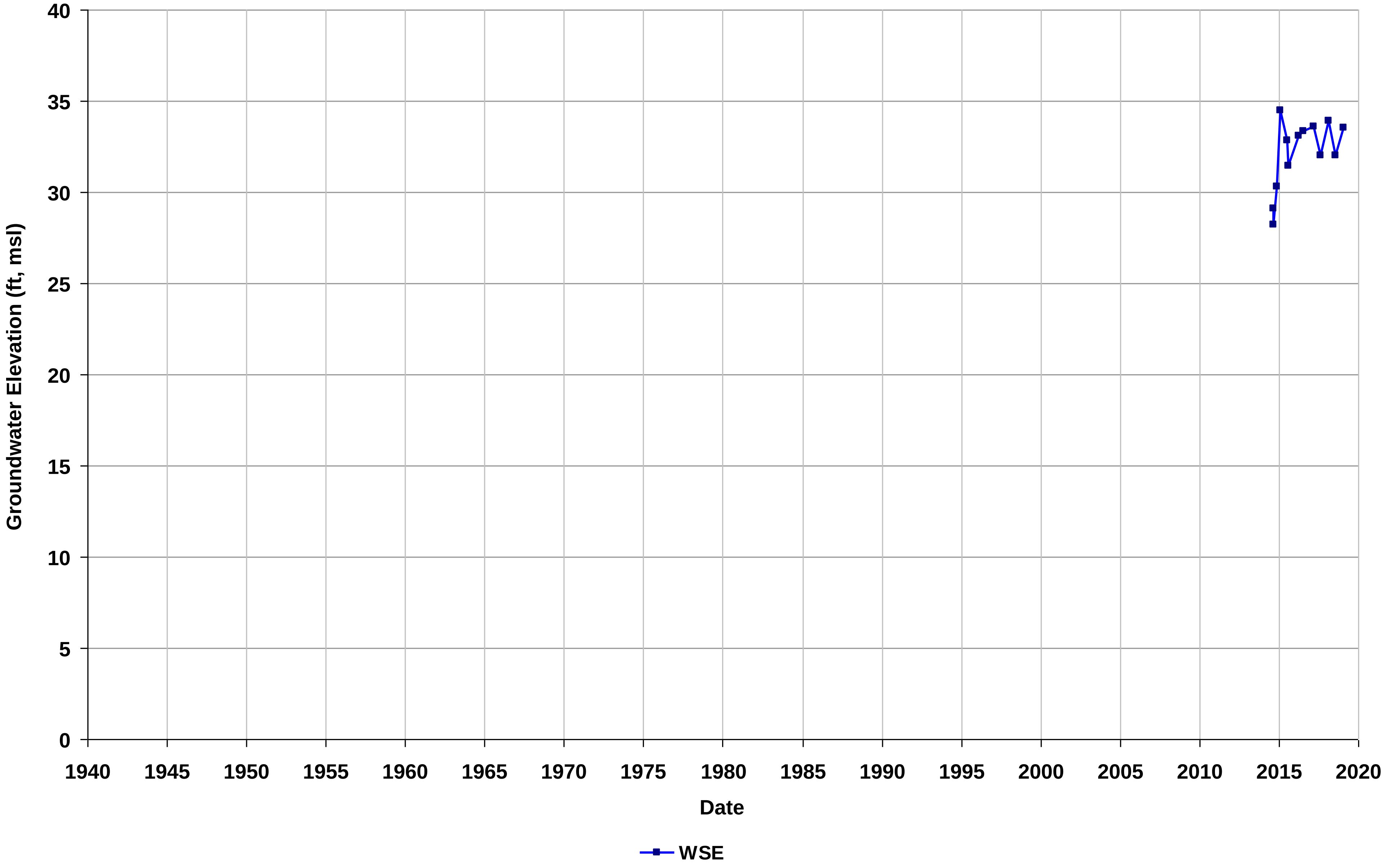
Well Name: T0600101855-MW7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/15
Well Use: Observation



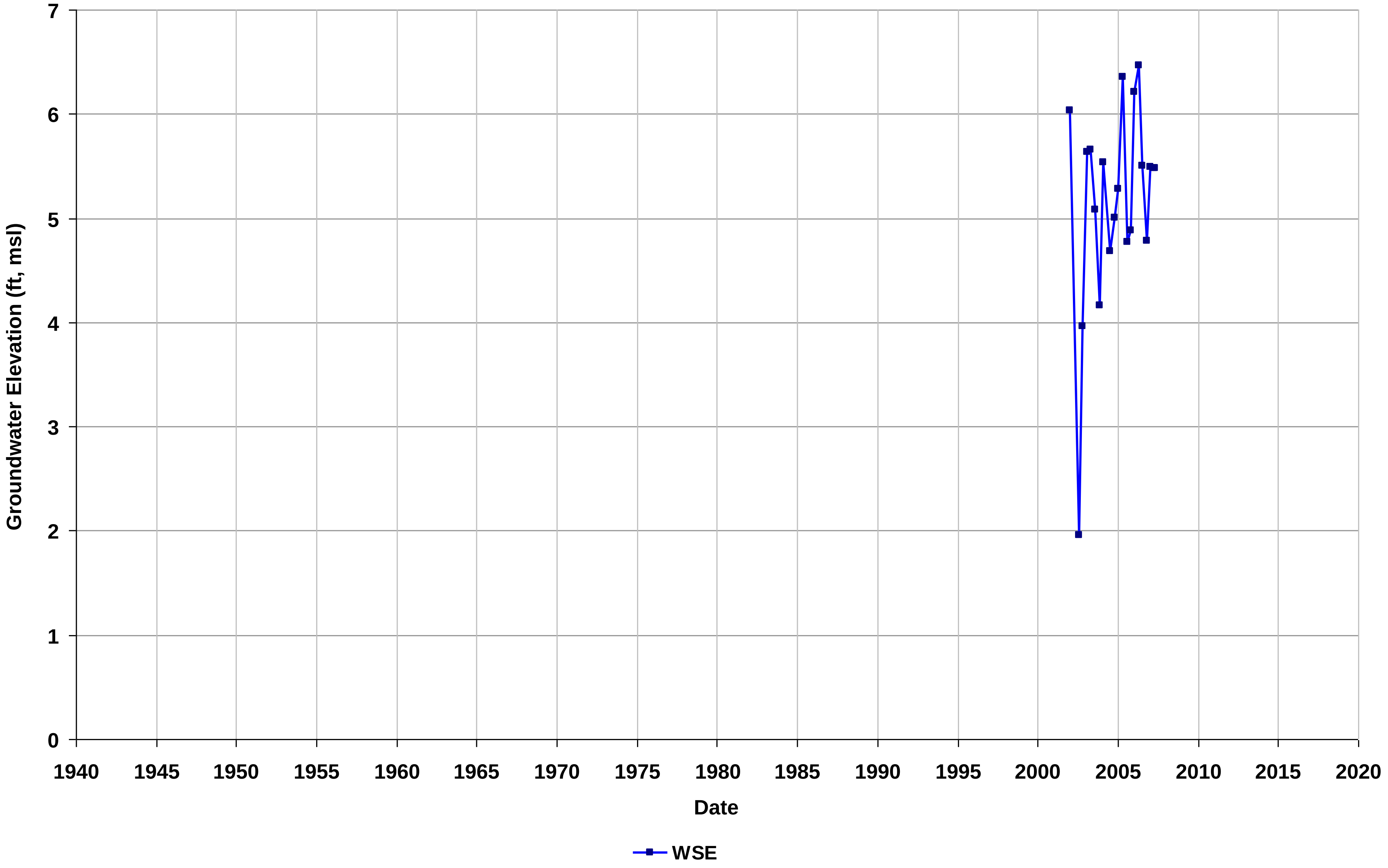
Well Name: T0600101855-MW8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/15
Well Use: Observation



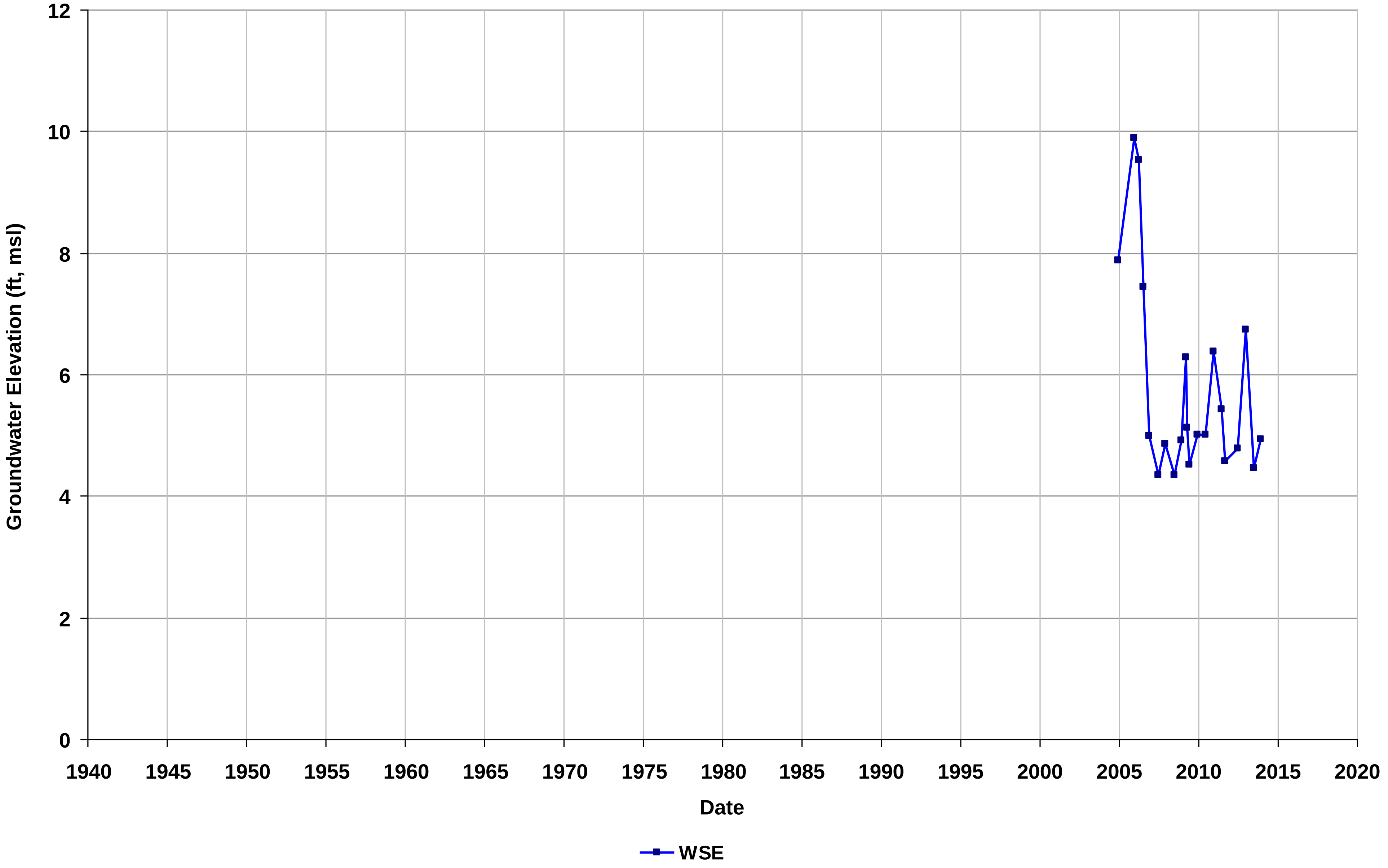
Well Name: T0600101865-MW-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/03
Well Use: Observation



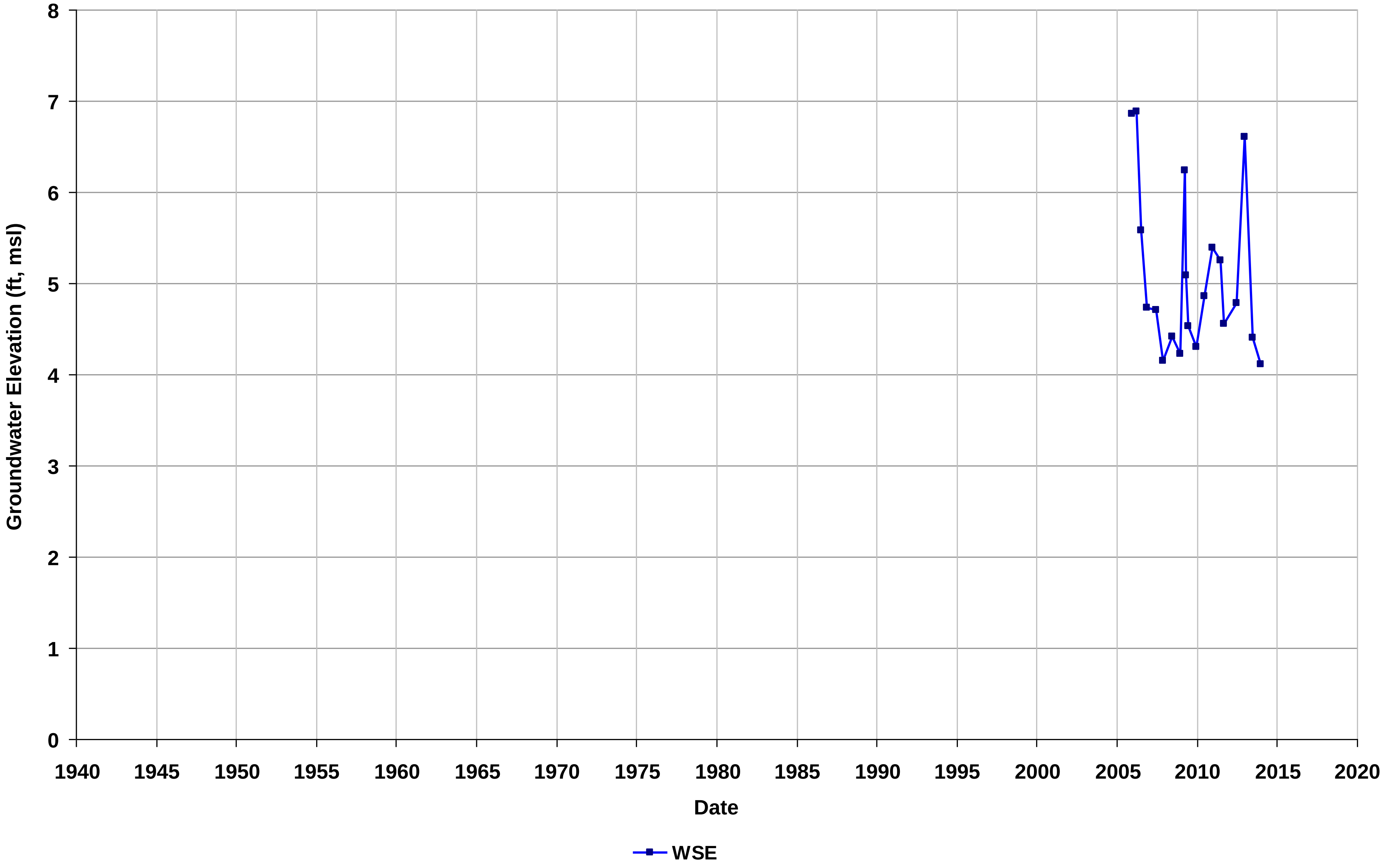
Well Name: T0600101866-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/33
Well Use: Observation



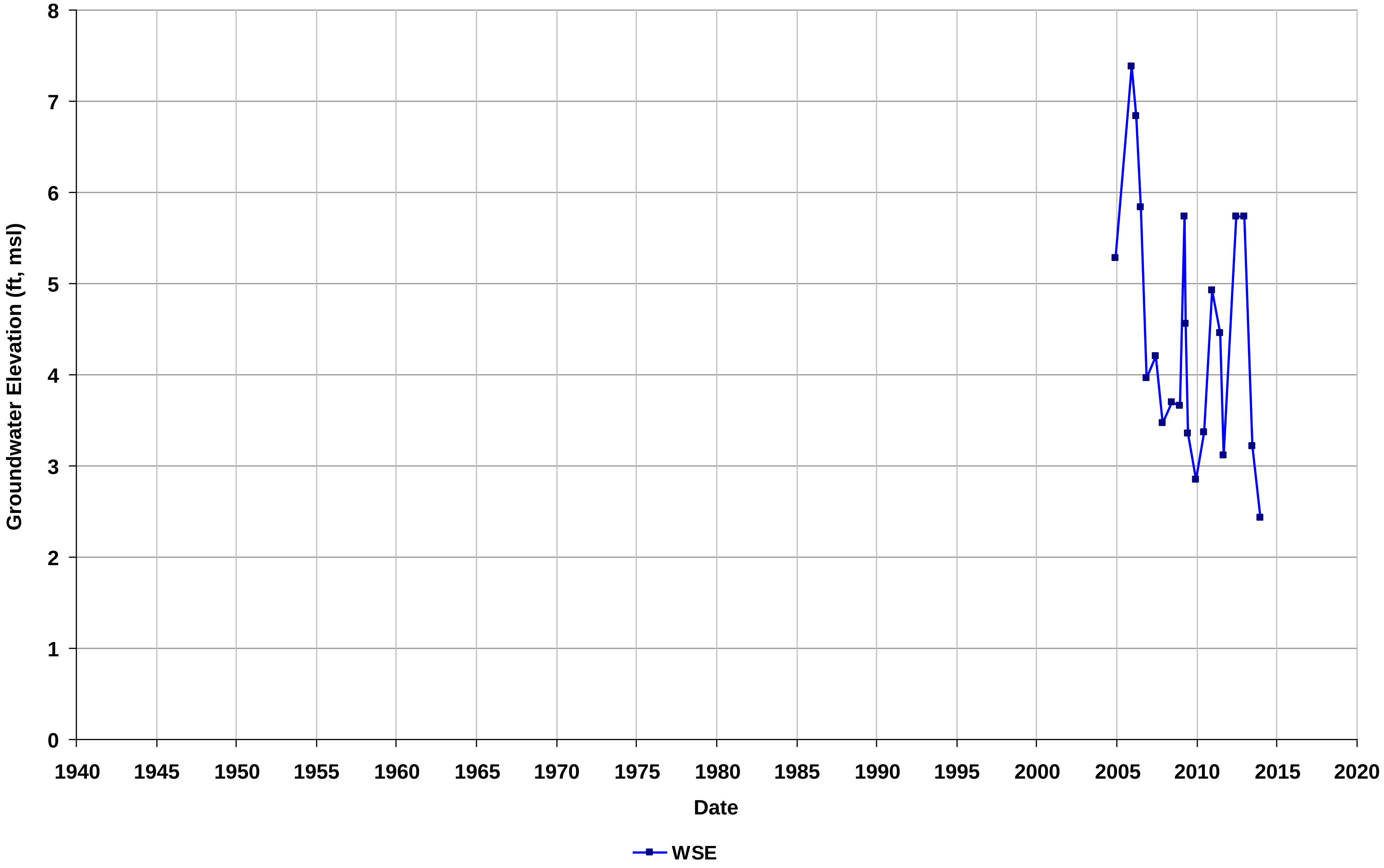
Well Name: T0600101866-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/33
Well Use: Observation



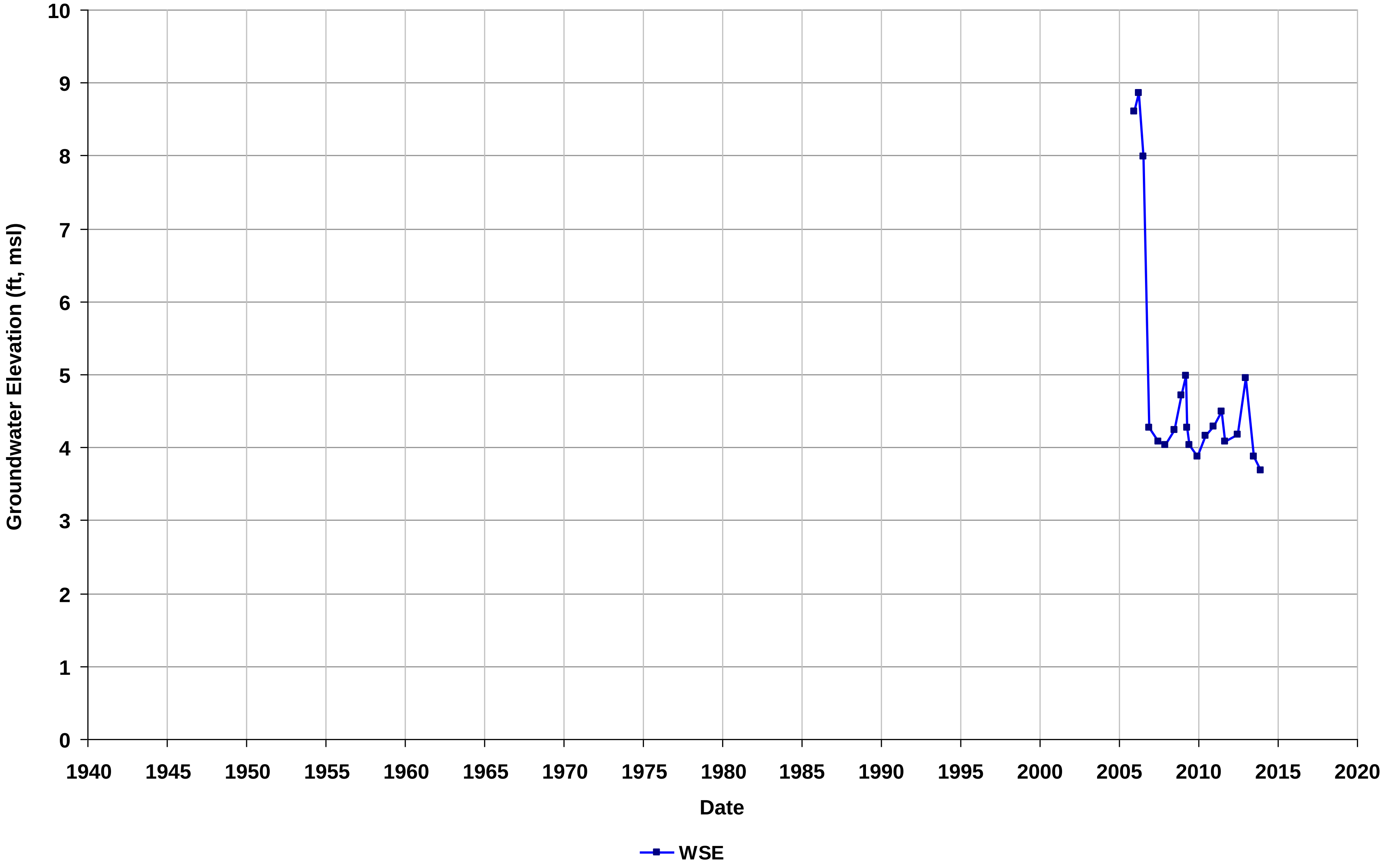
Well Name: T0600101866-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/33
Well Use: Observation



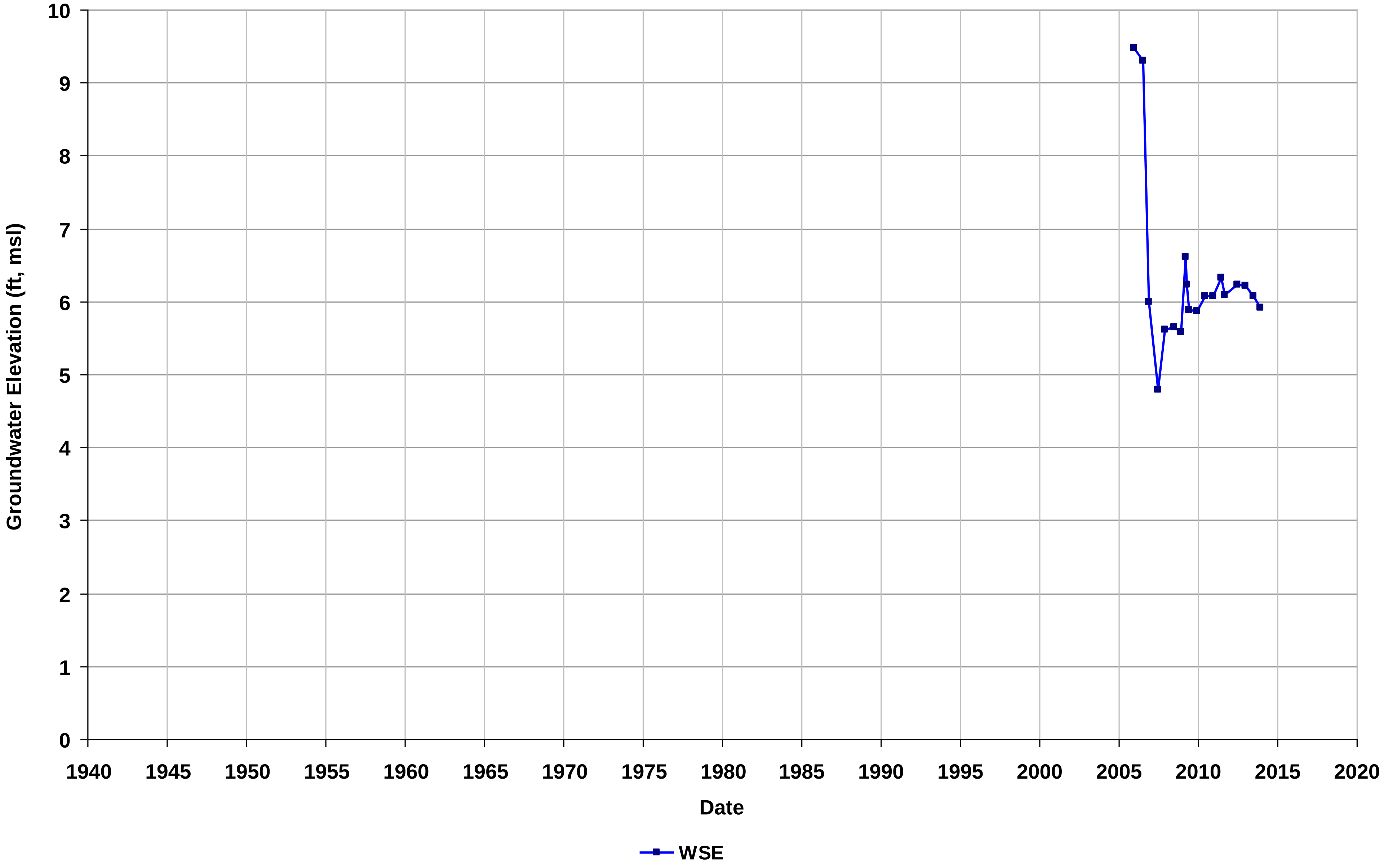
Well Name: T0600101866-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/29
Well Use: Observation



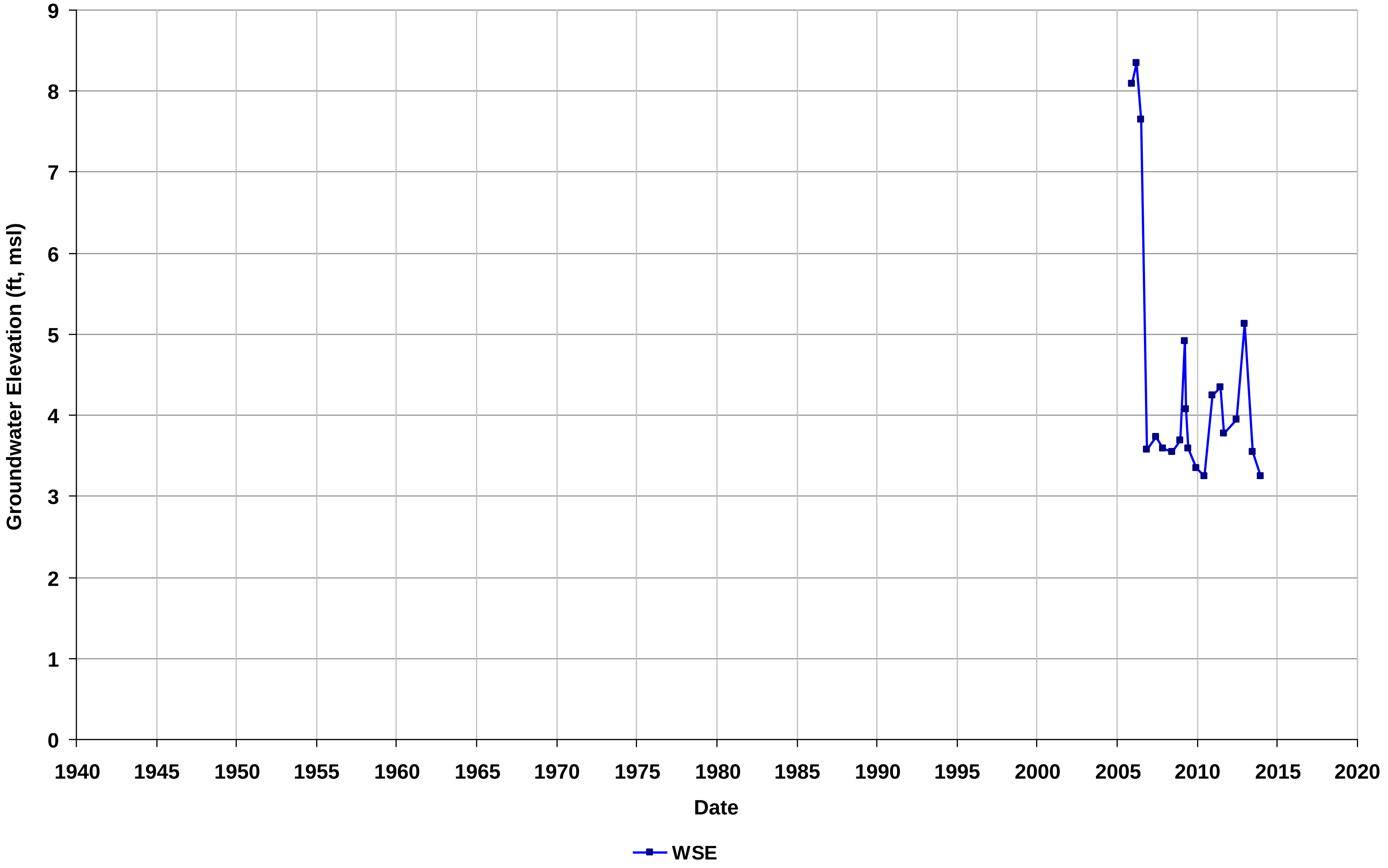
Well Name: T0600101866-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/33
Well Use: Observation



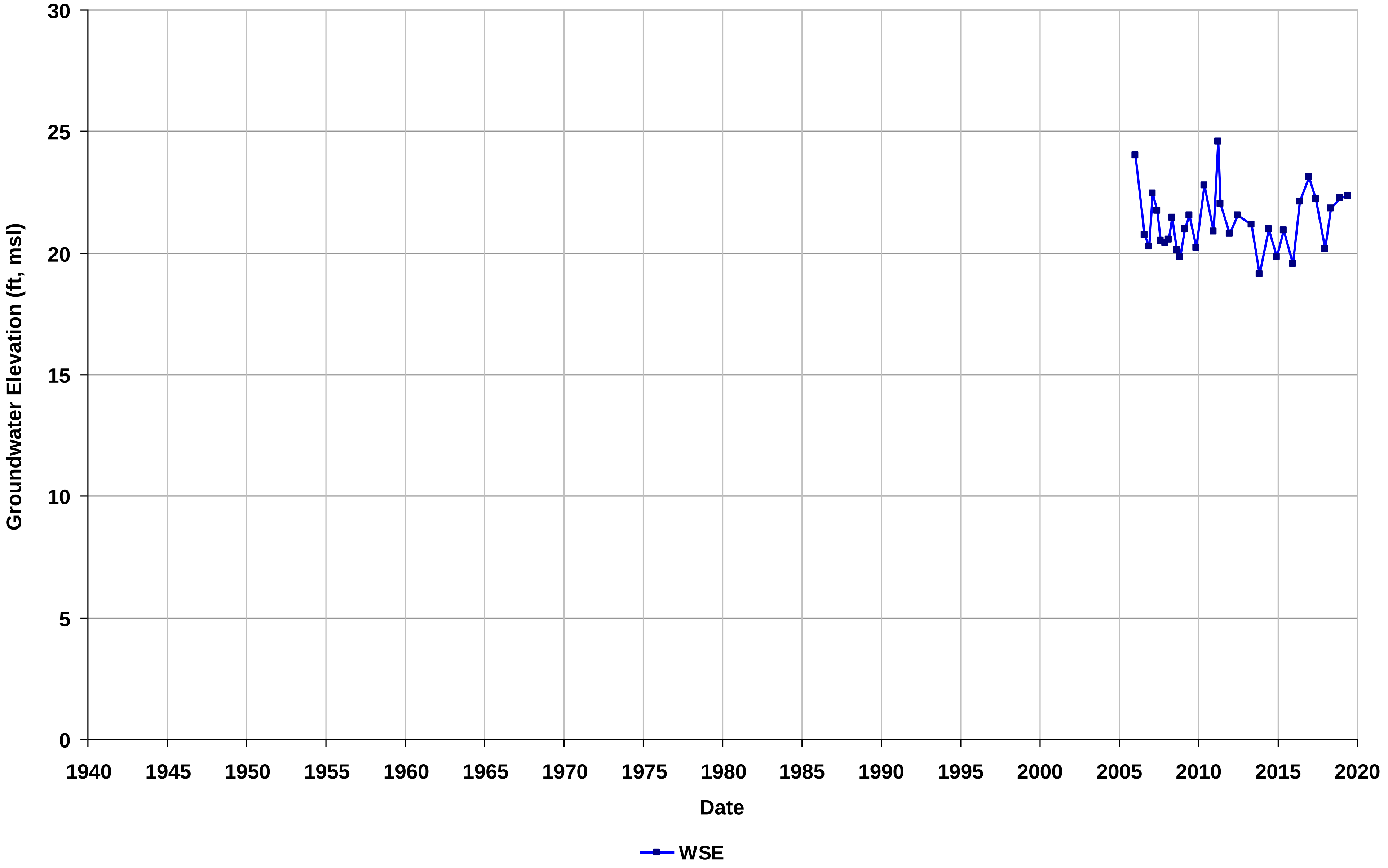
Well Name: T0600101866-MW-8A
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/28
Well Use: Observation



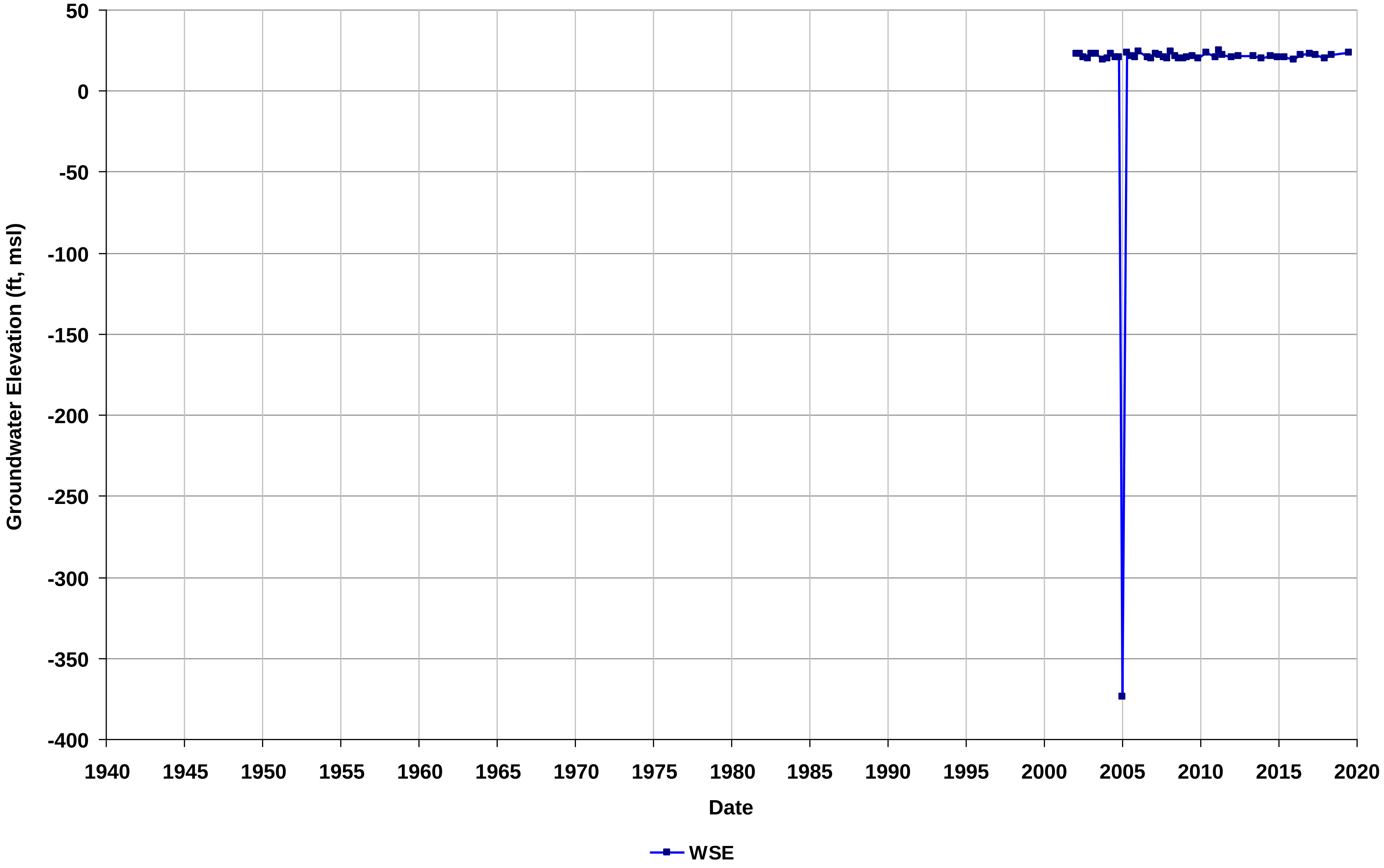
Well Name: T0600101876-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/26
Well Use: Observation



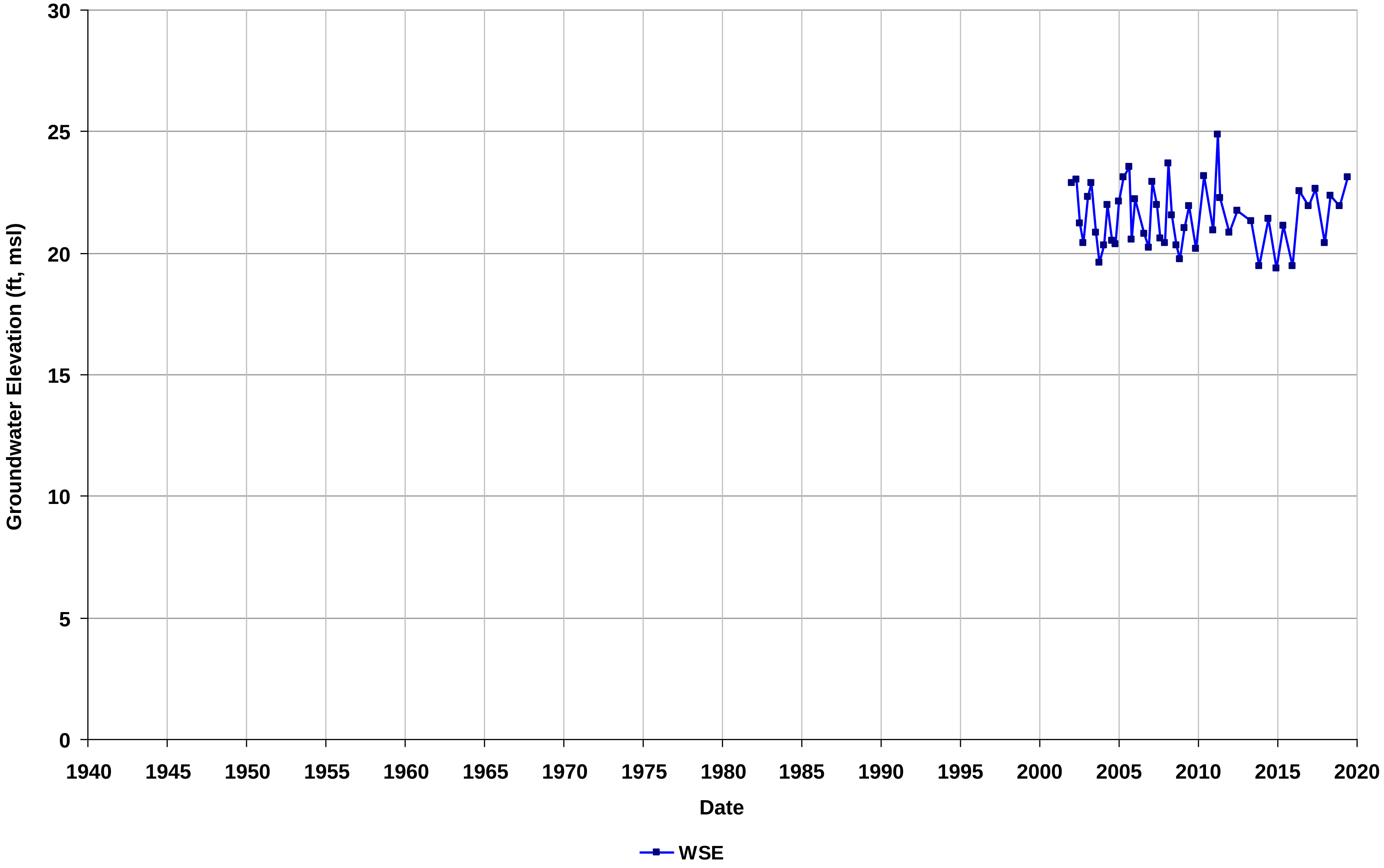
Well Name: T0600101876-V-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/26
Well Use: Observation



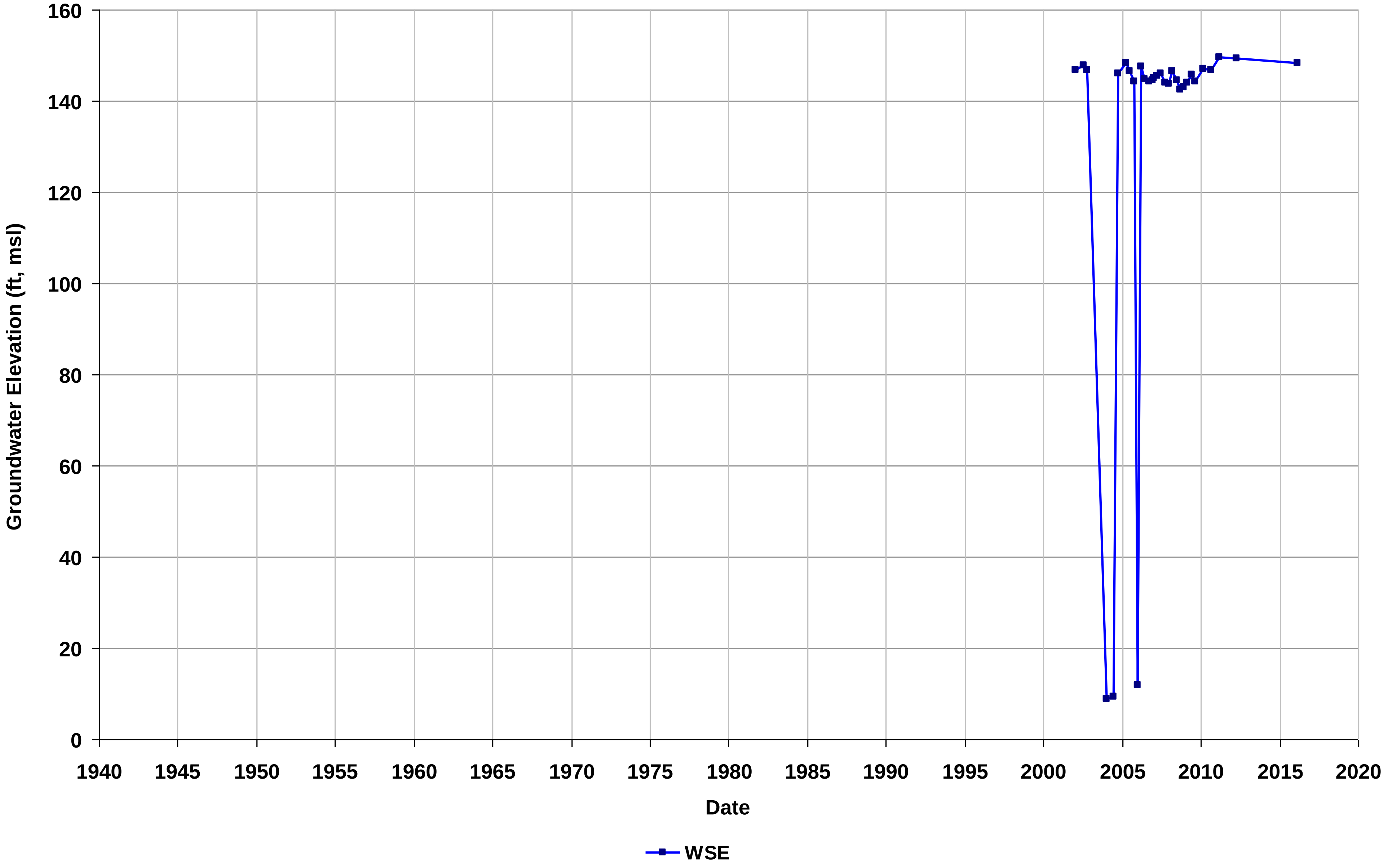
Well Name: T0600101876-V-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/26
Well Use: Observation



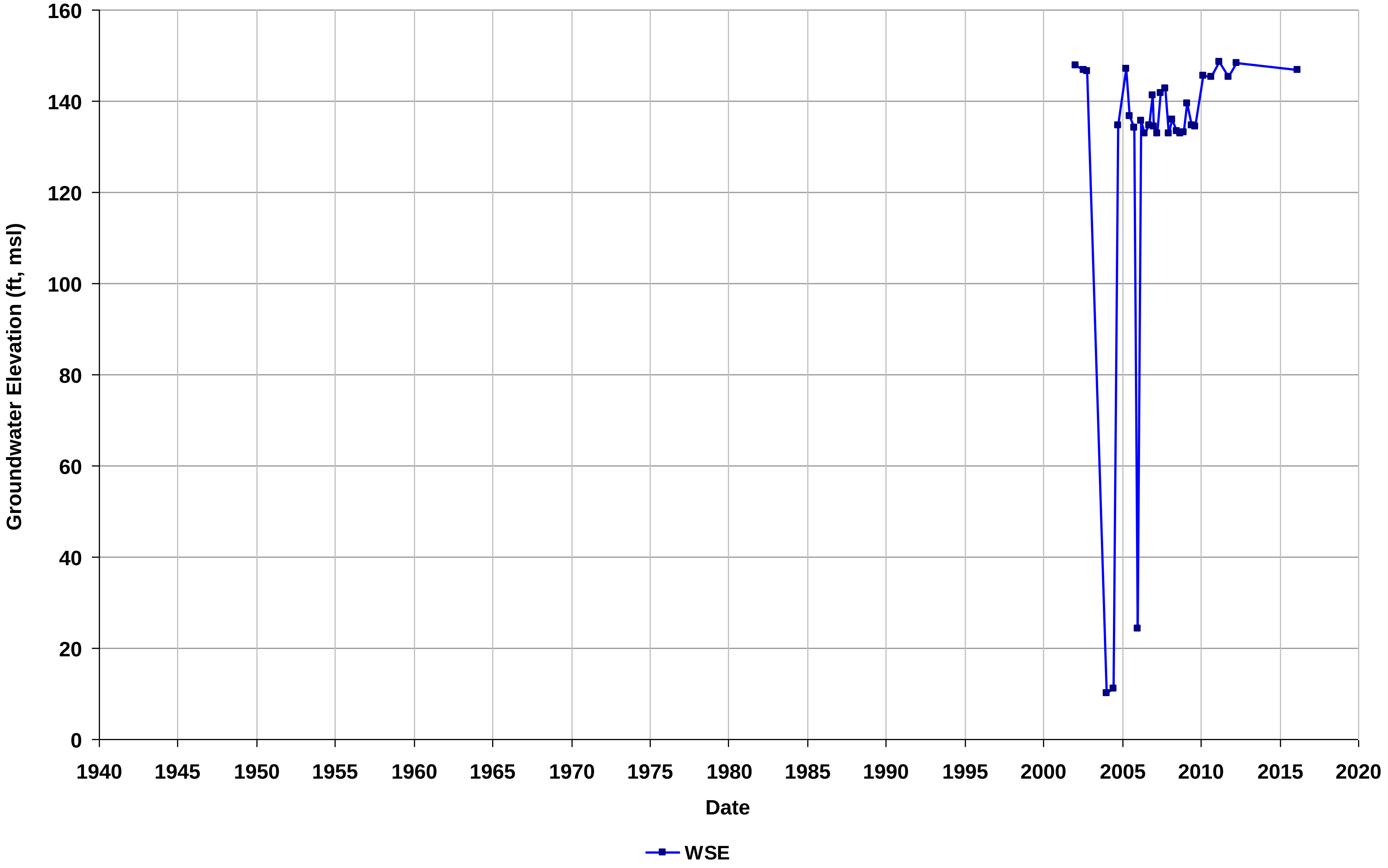
Well Name: T0600101888-MW1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/02
Well Use: Observation



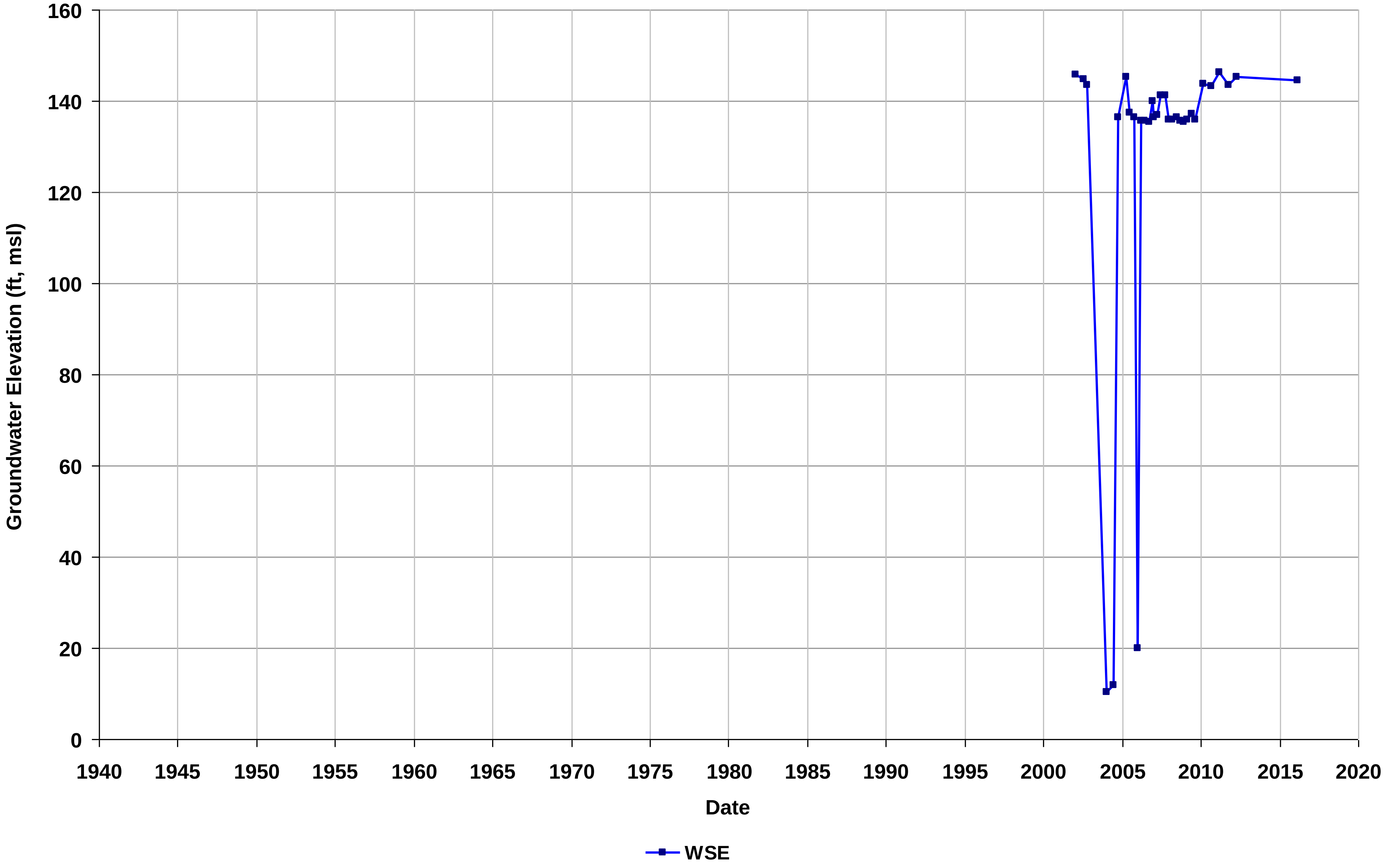
Well Name: T0600101888-MW2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/02
Well Use: Observation



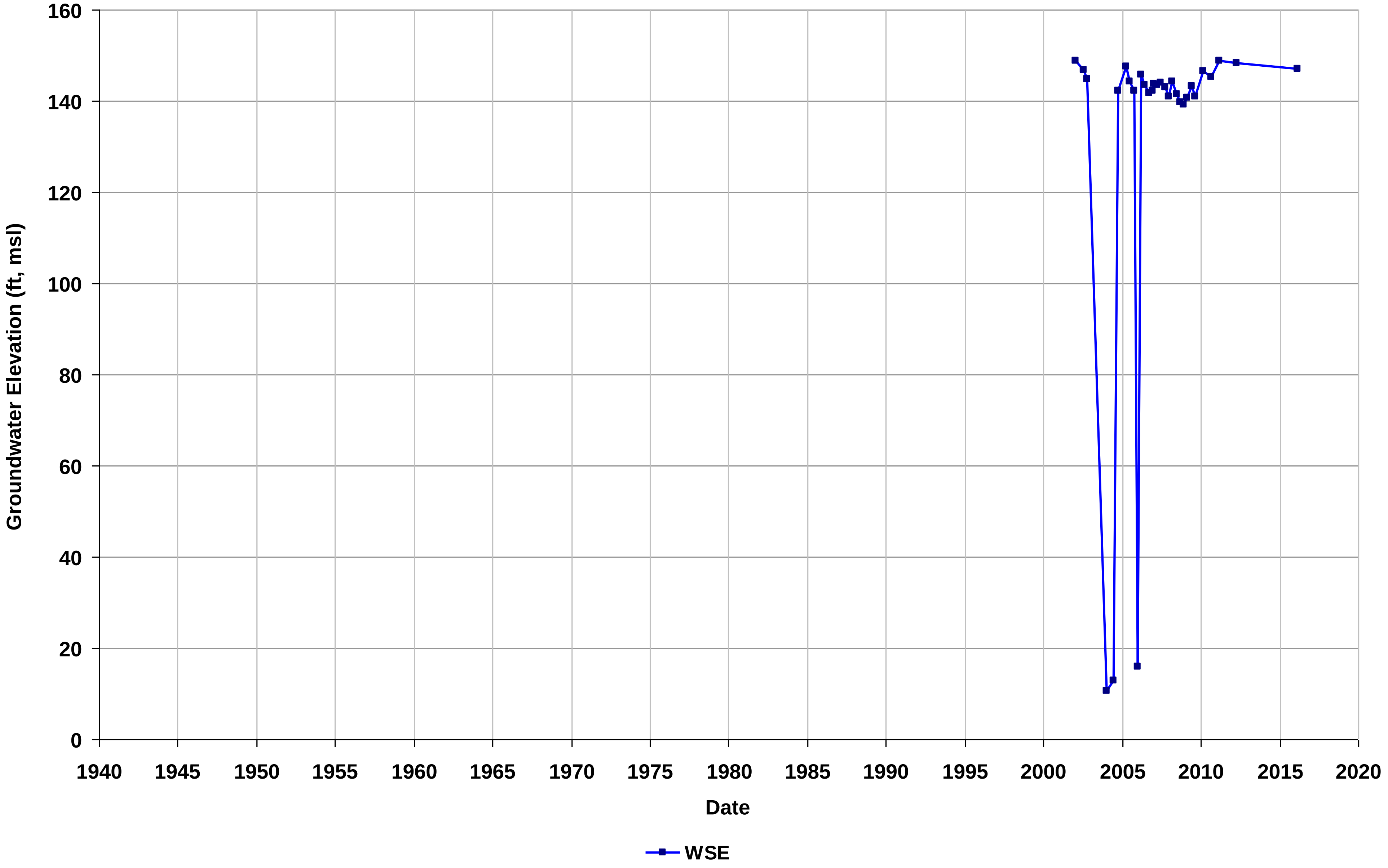
Well Name: T0600101888-MW3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/02
Well Use: Observation



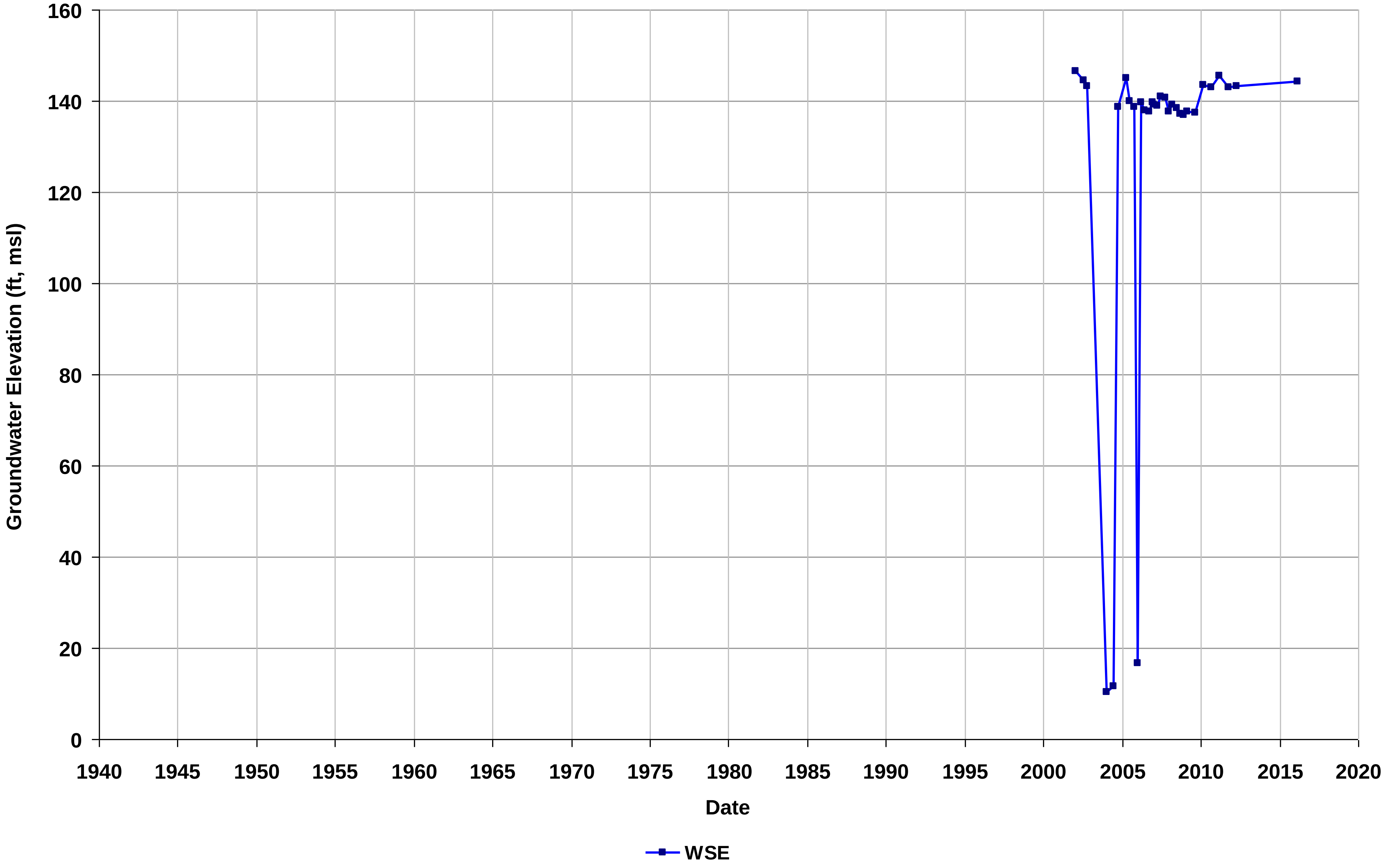
Well Name: T0600101888-MW4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/02
Well Use: Observation



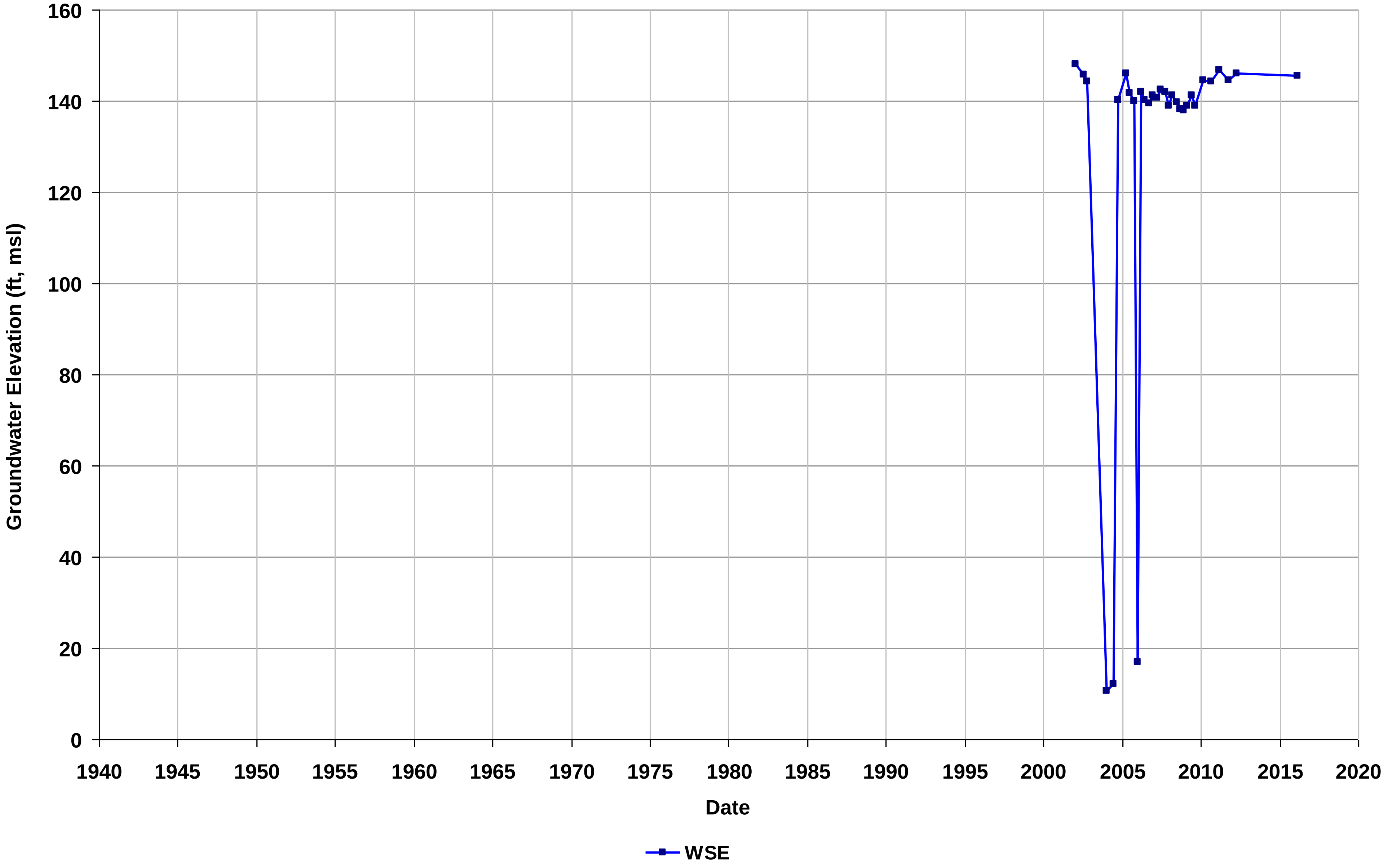
Well Name: T0600101888-MW5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/02
Well Use: Observation



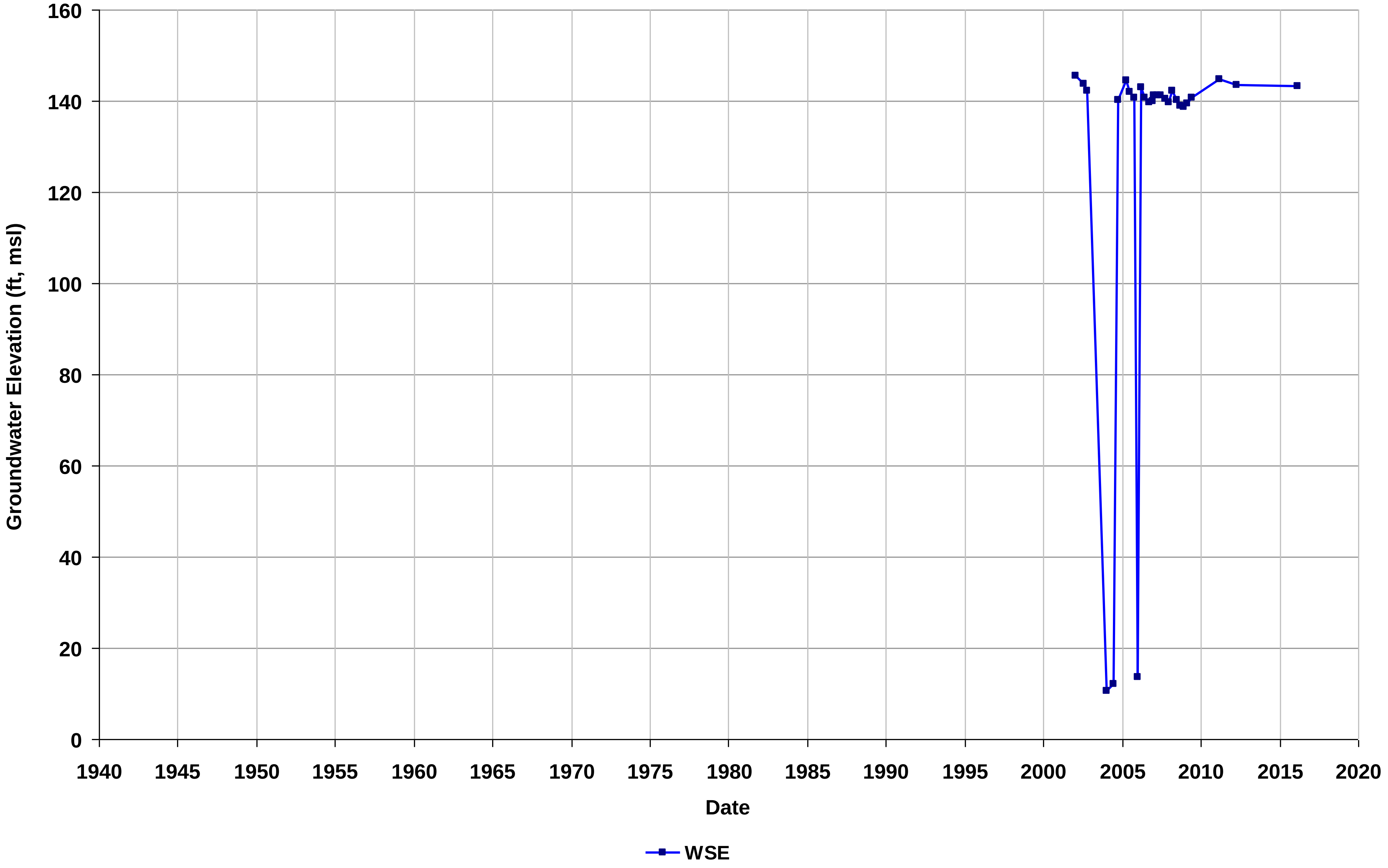
Well Name: T0600101888-MW6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/02
Well Use: Observation



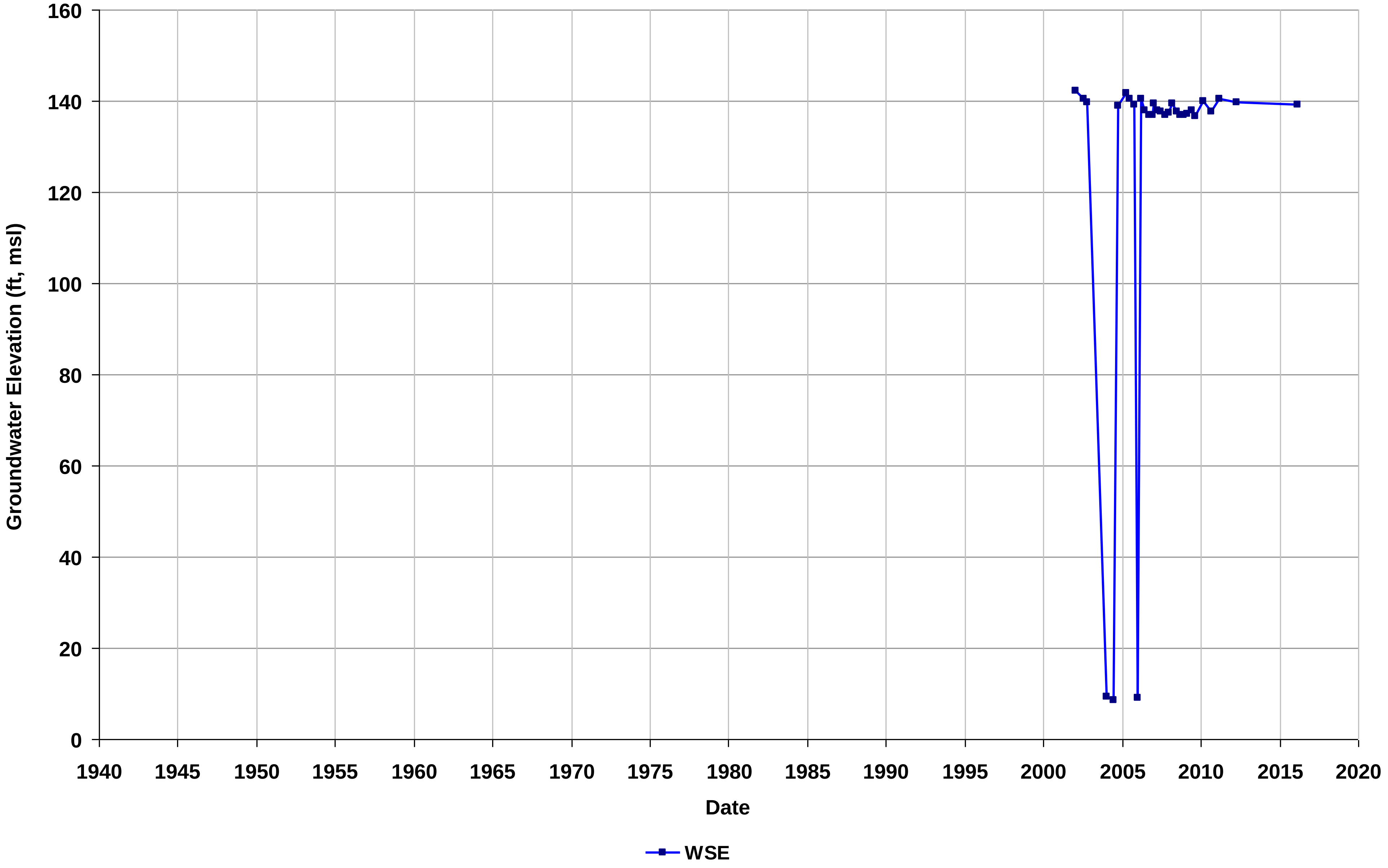
Well Name: T0600101888-MW7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/02
Well Use: Observation



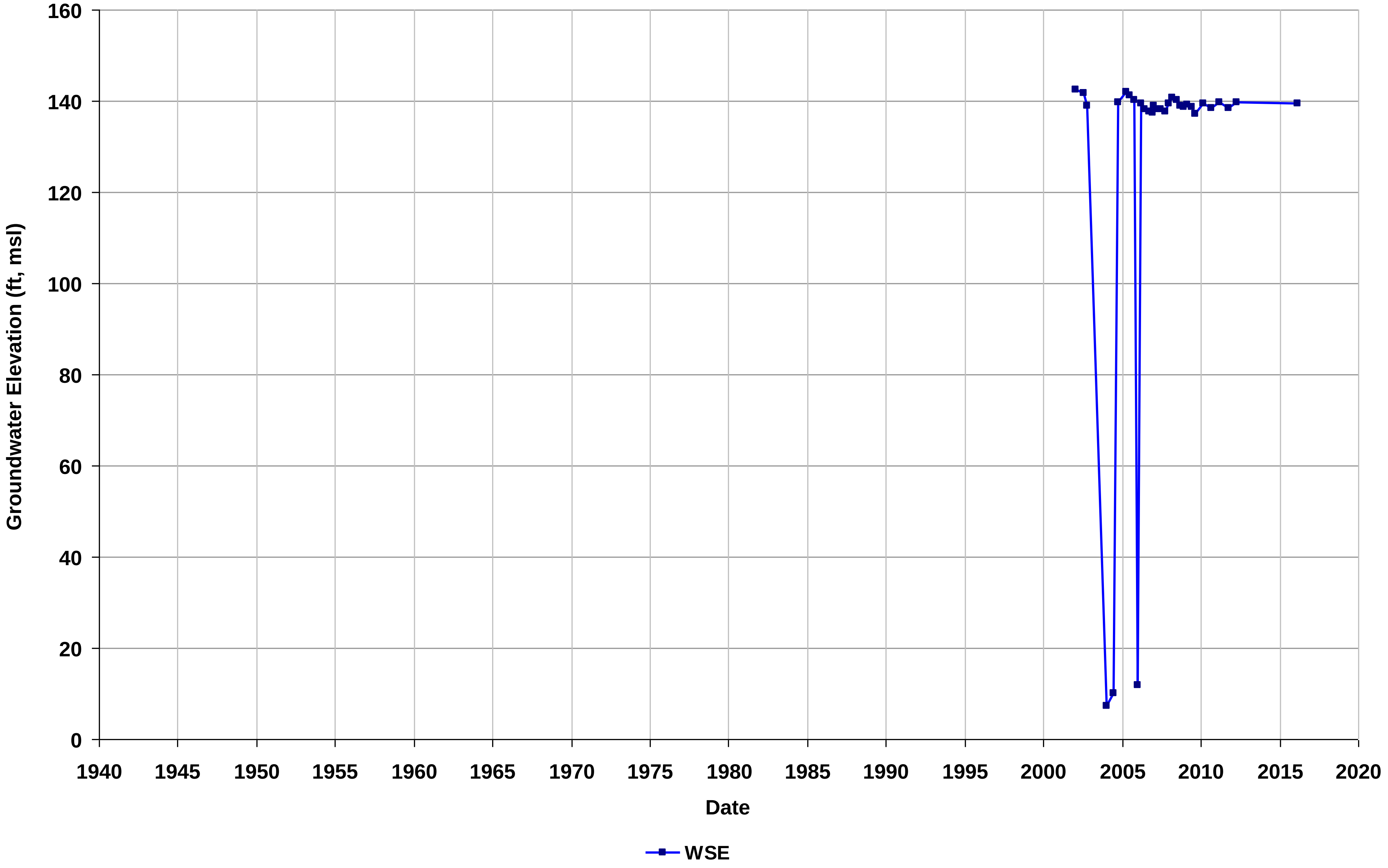
Well Name: T0600101888-MW8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/02
Well Use: Observation



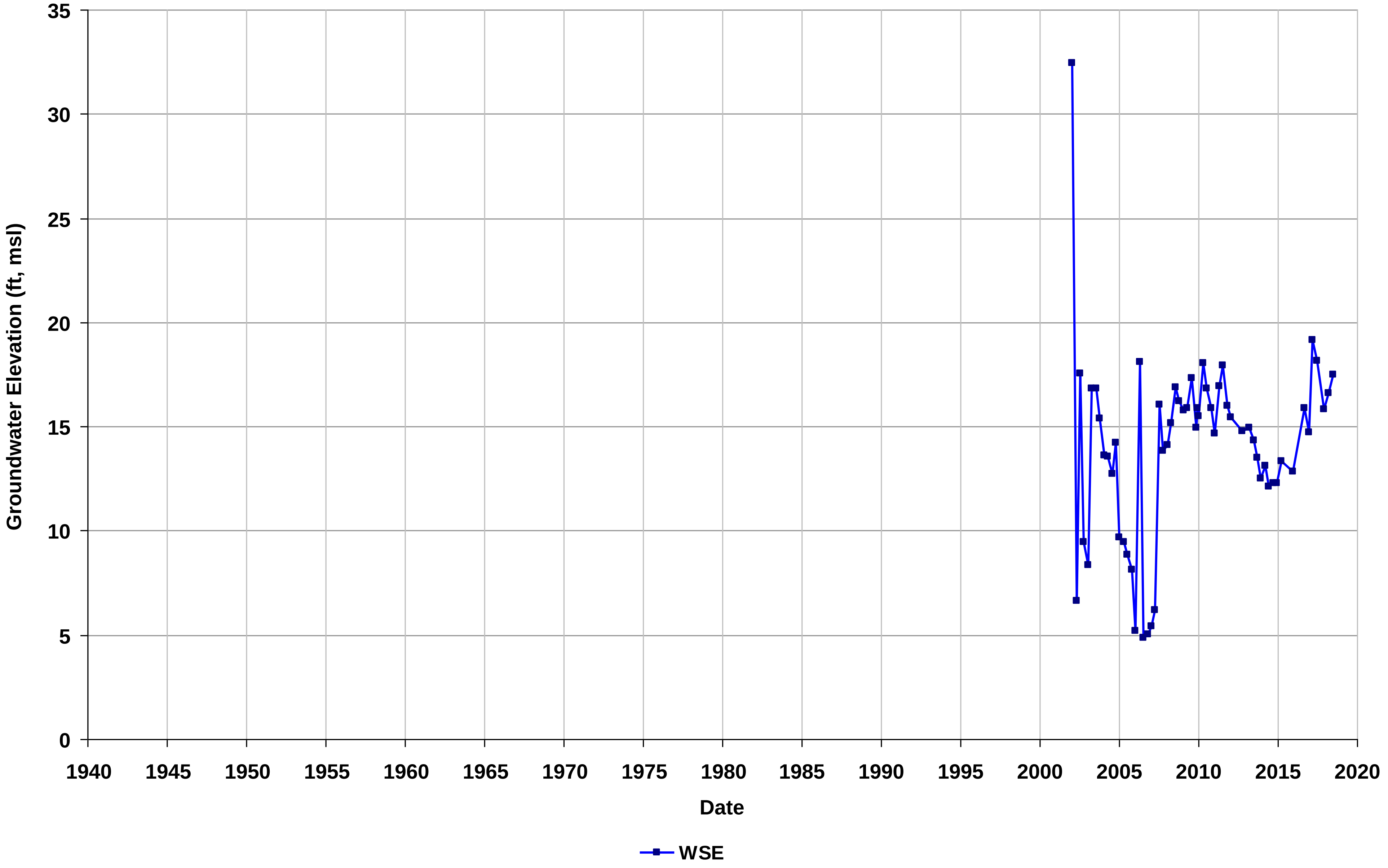
Well Name: T0600101888-MW9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/02
Well Use: Observation



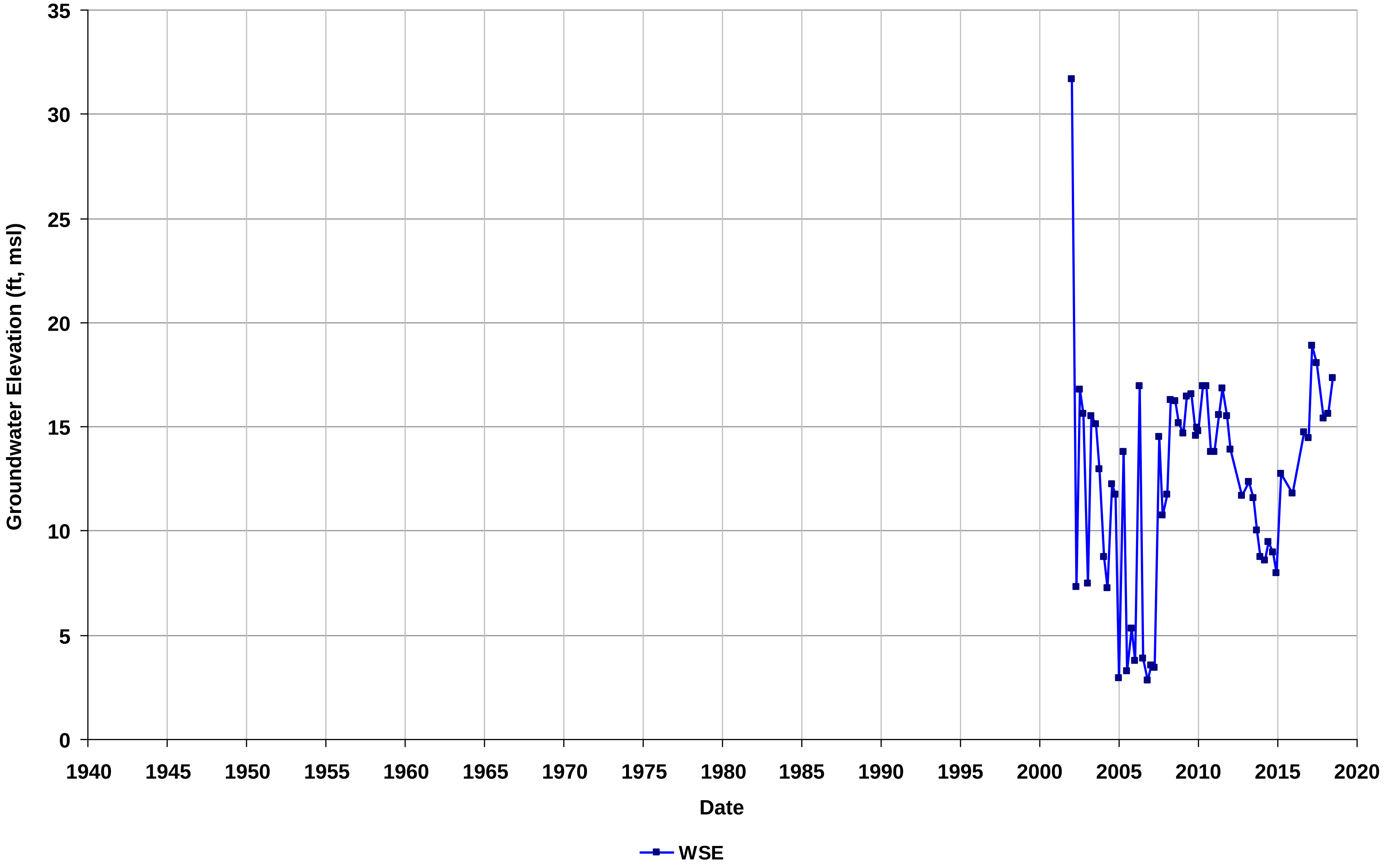
Well Name: T0600102073-EW-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



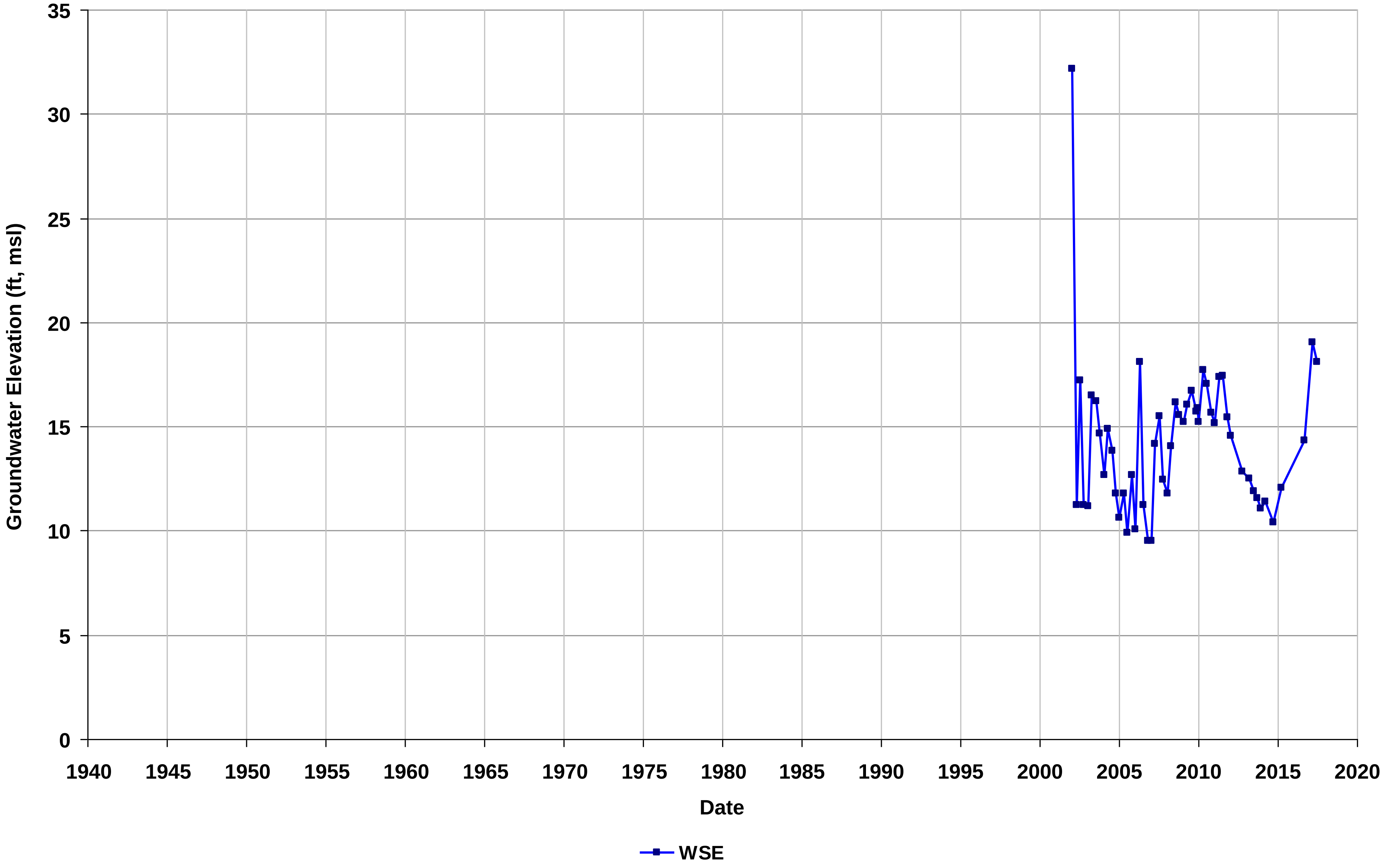
Well Name: T0600102073-EW-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



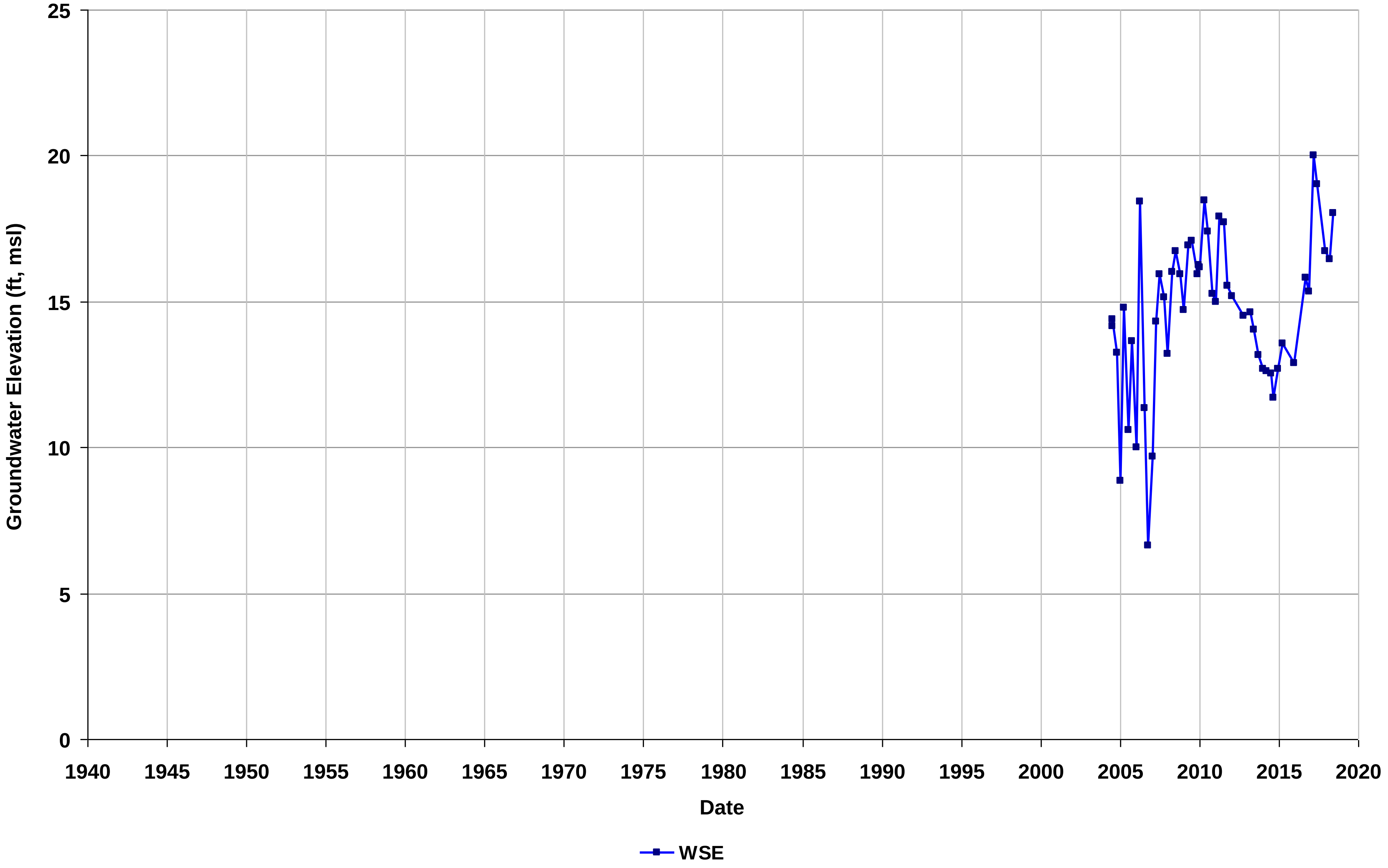
Well Name: T0600102073-EW-5
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



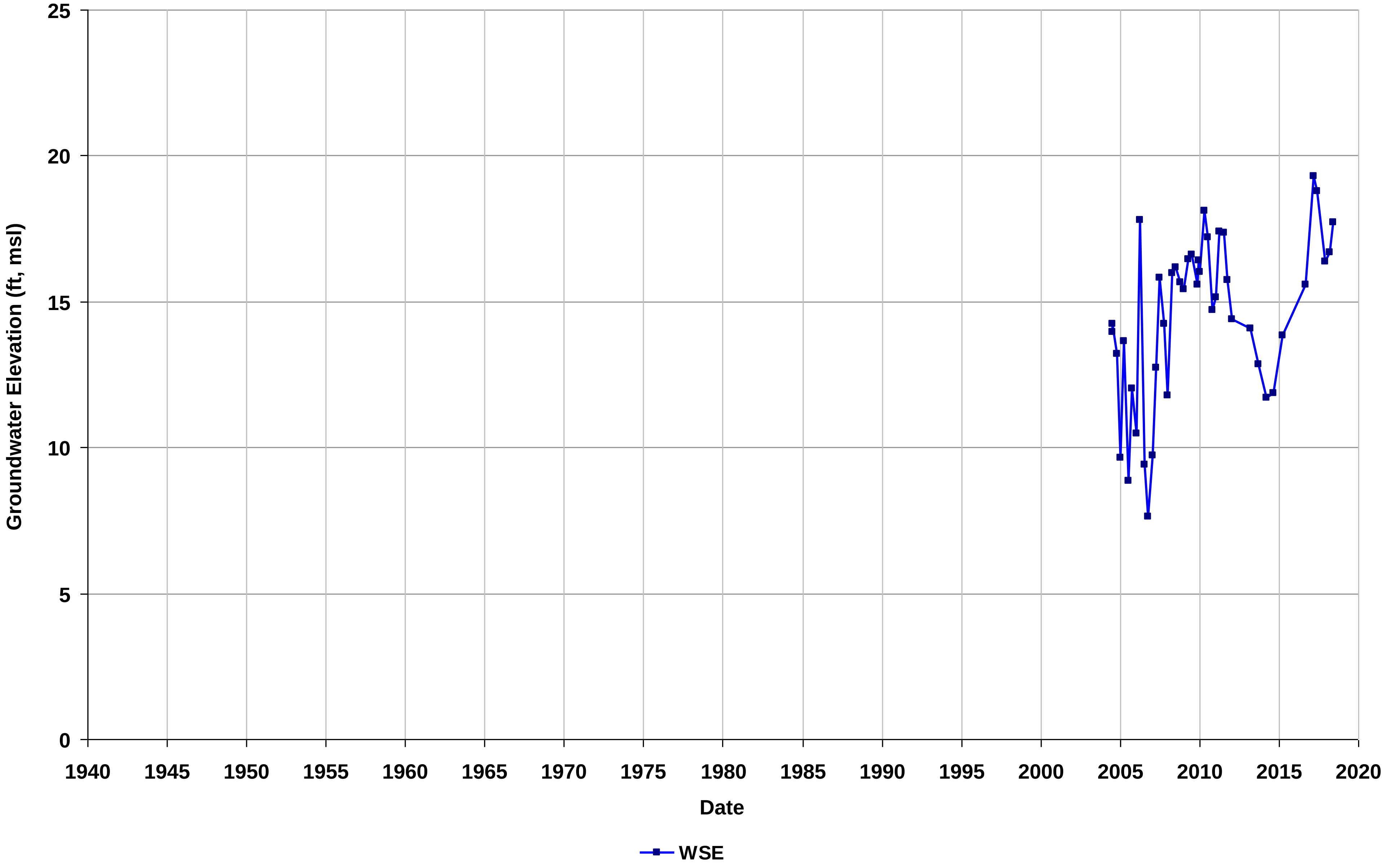
Well Name: T0600102073-EW-7
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



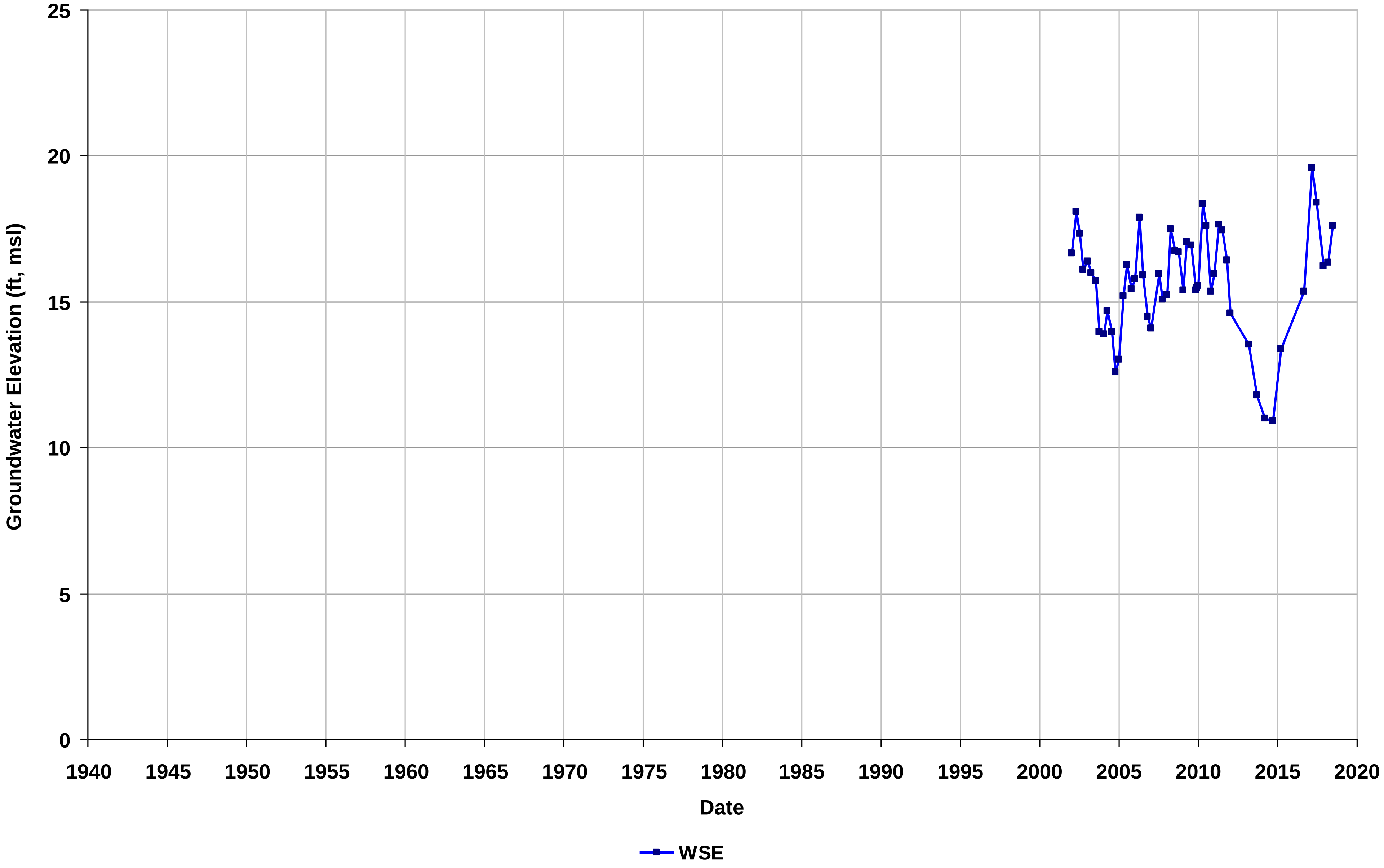
Well Name: T0600102073-EW-8
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



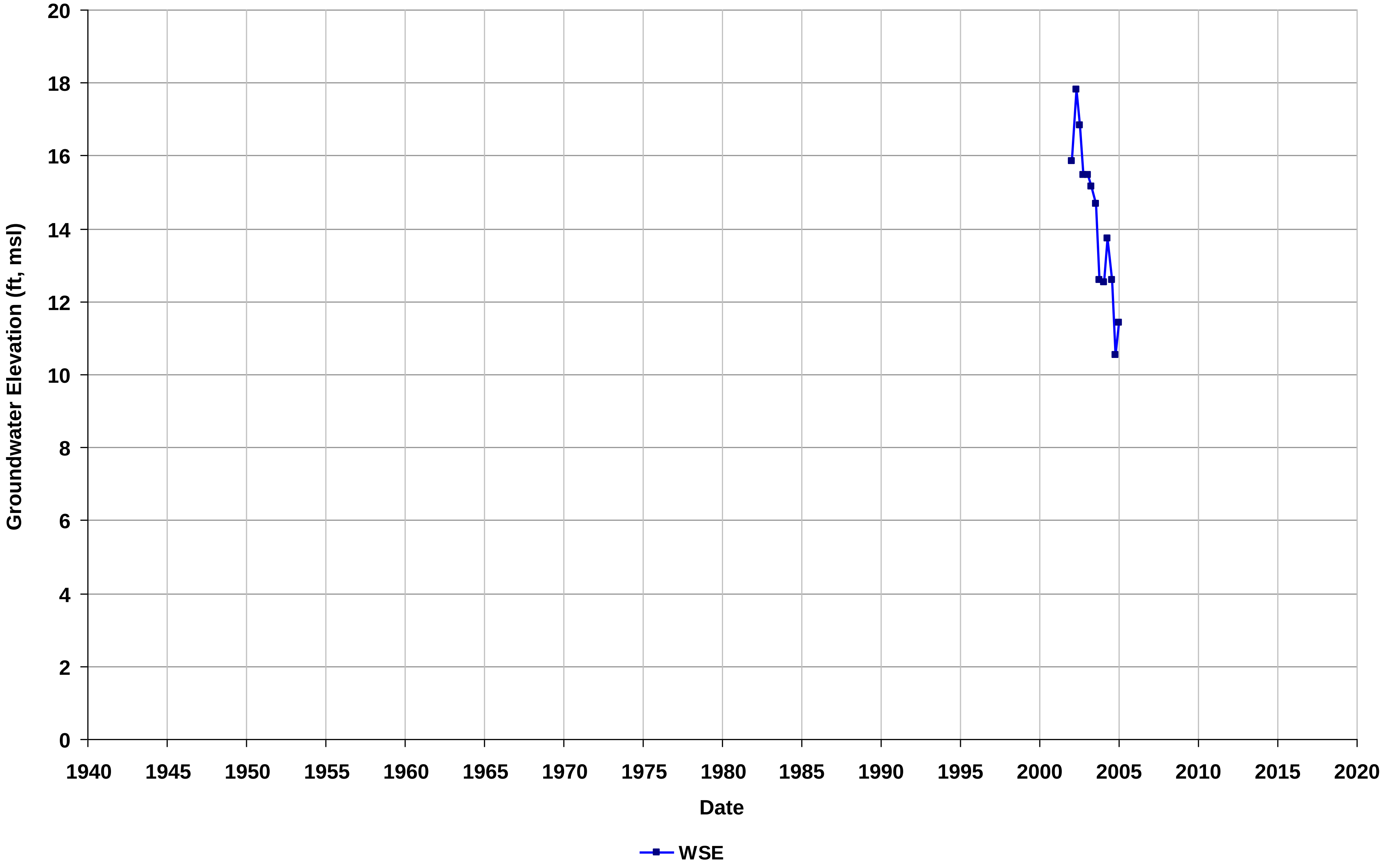
Well Name: T0600102073-MW-10
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



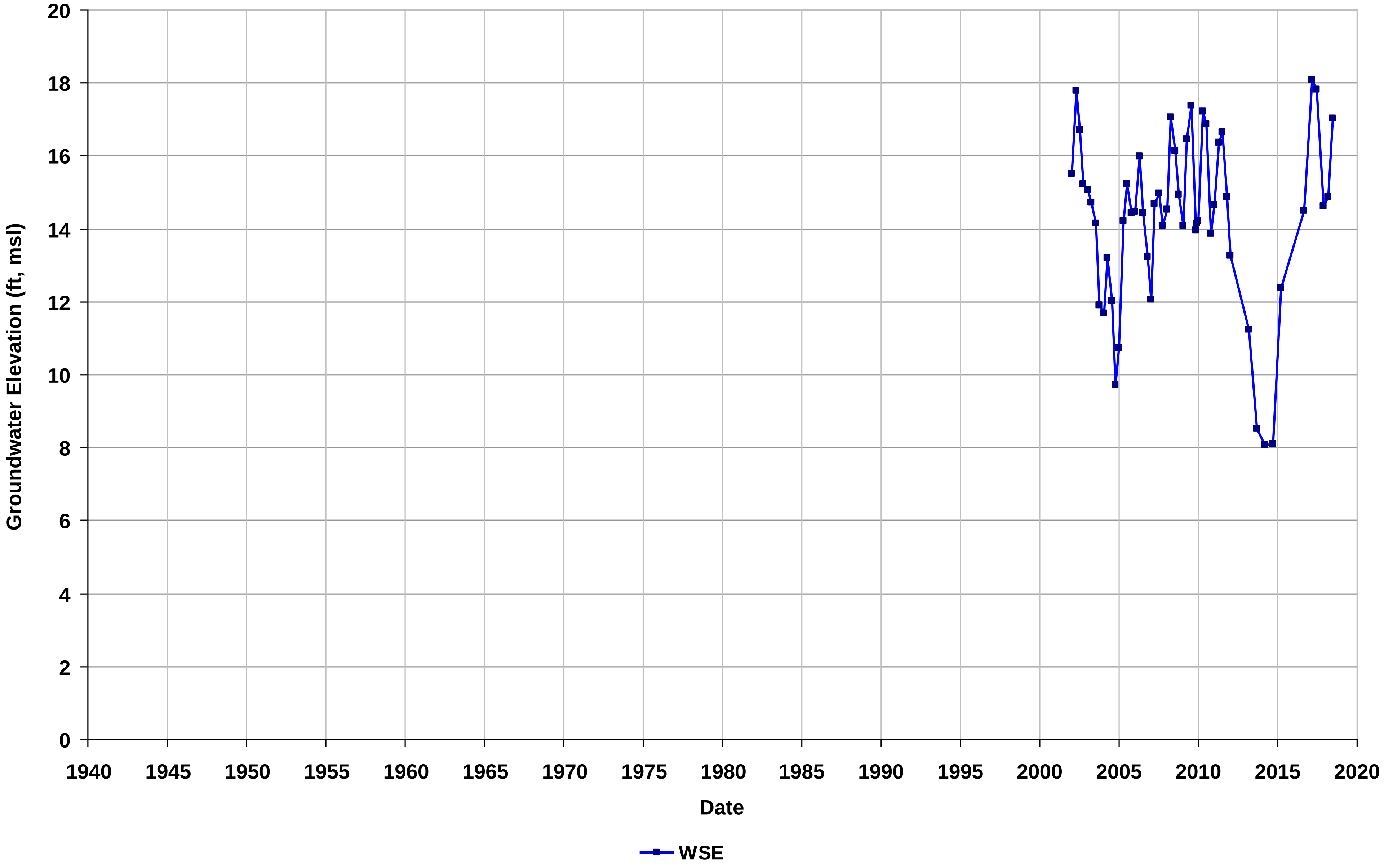
Well Name: T0600102073-MW-11
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



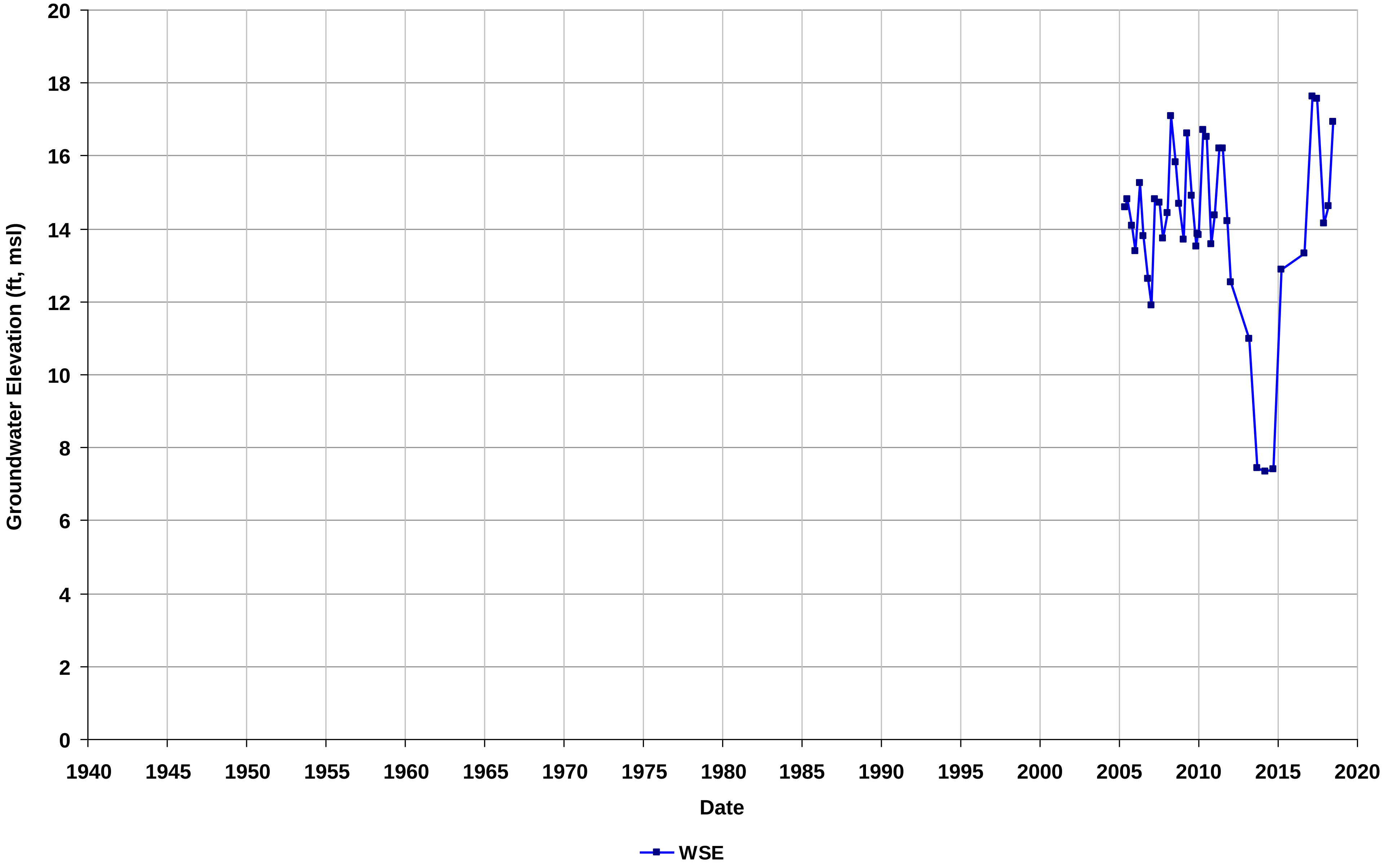
Well Name: T0600102073-MW-12
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



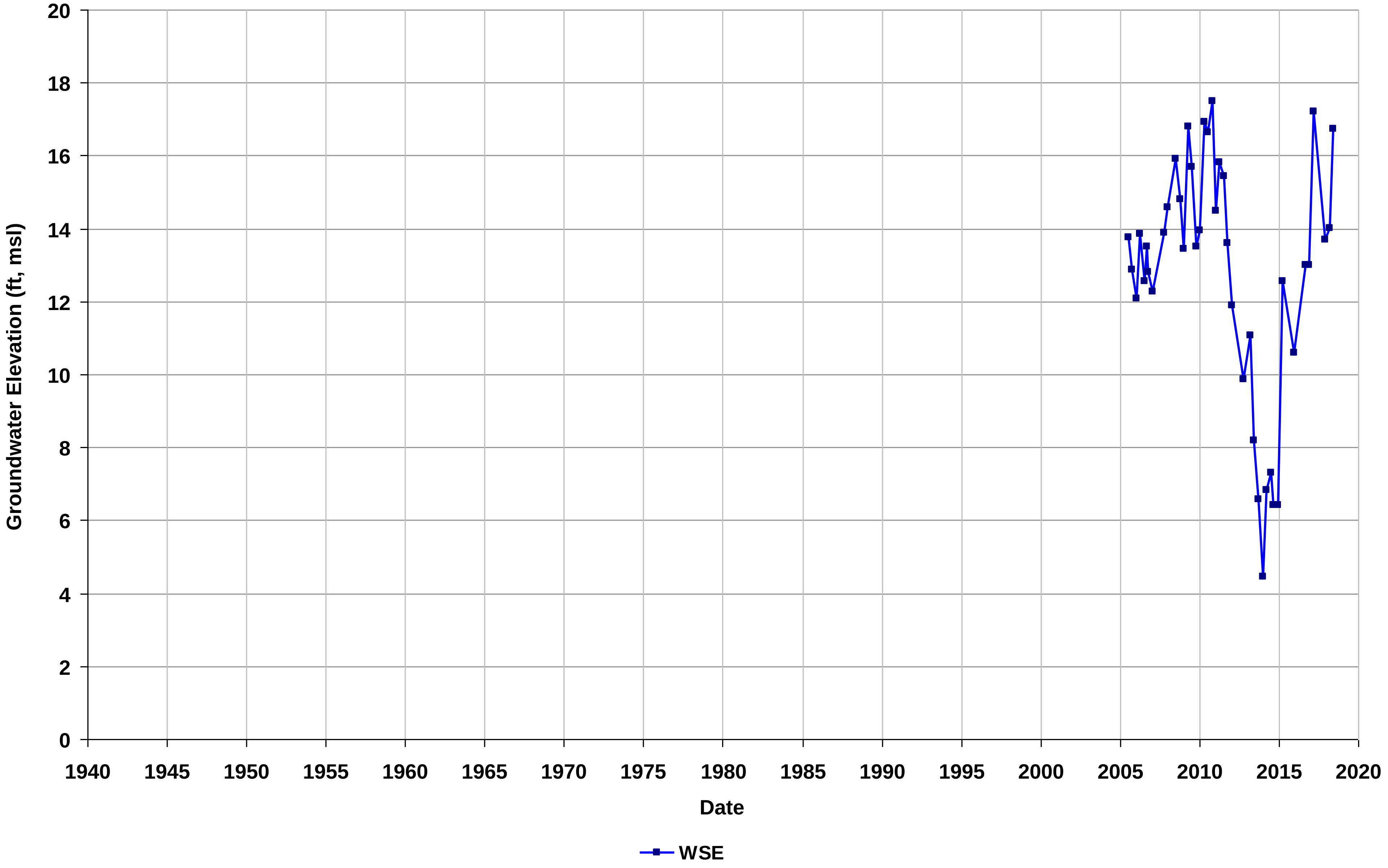
Well Name: T0600102073-MW-17
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



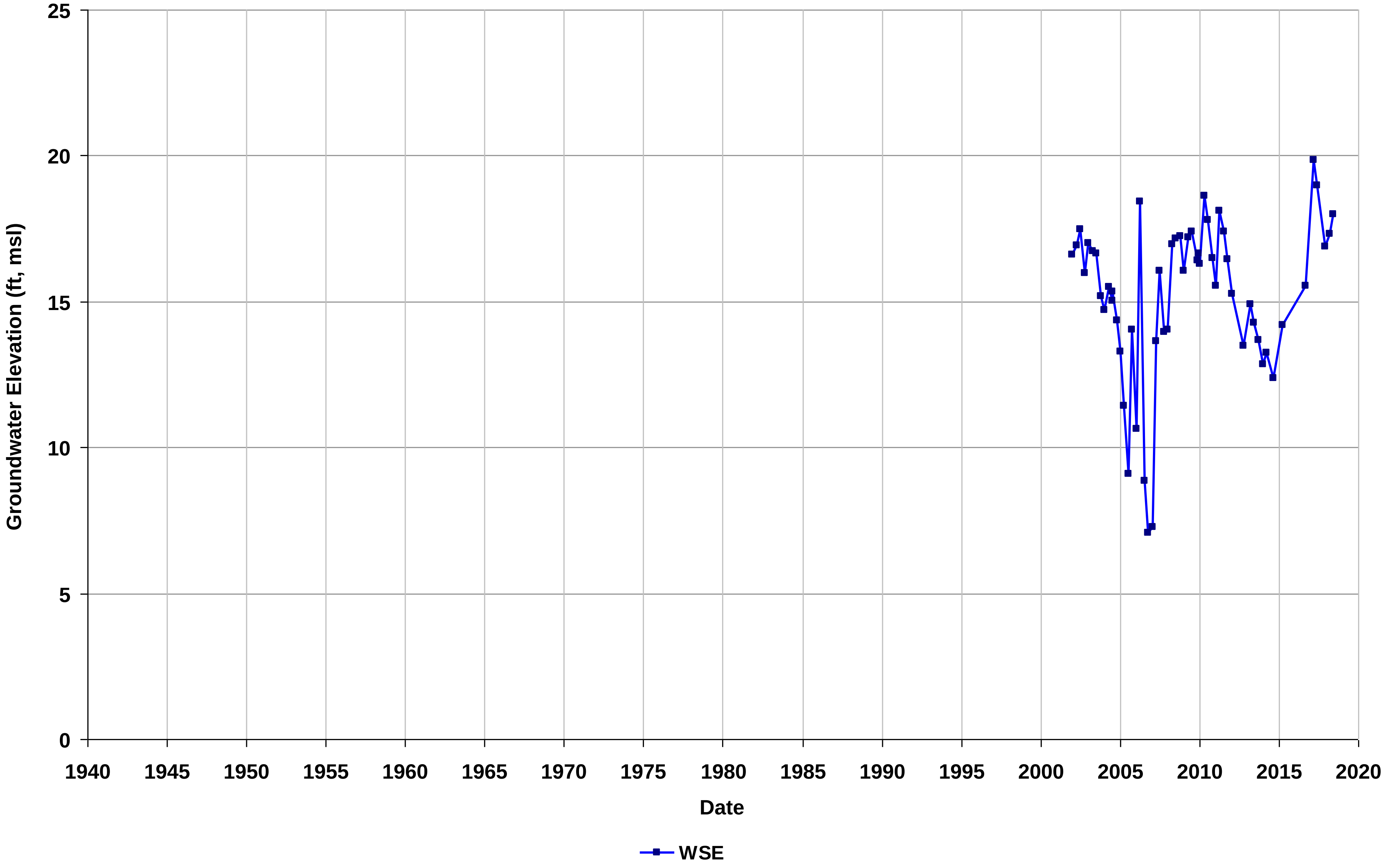
Well Name: T0600102073-MW-1B
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



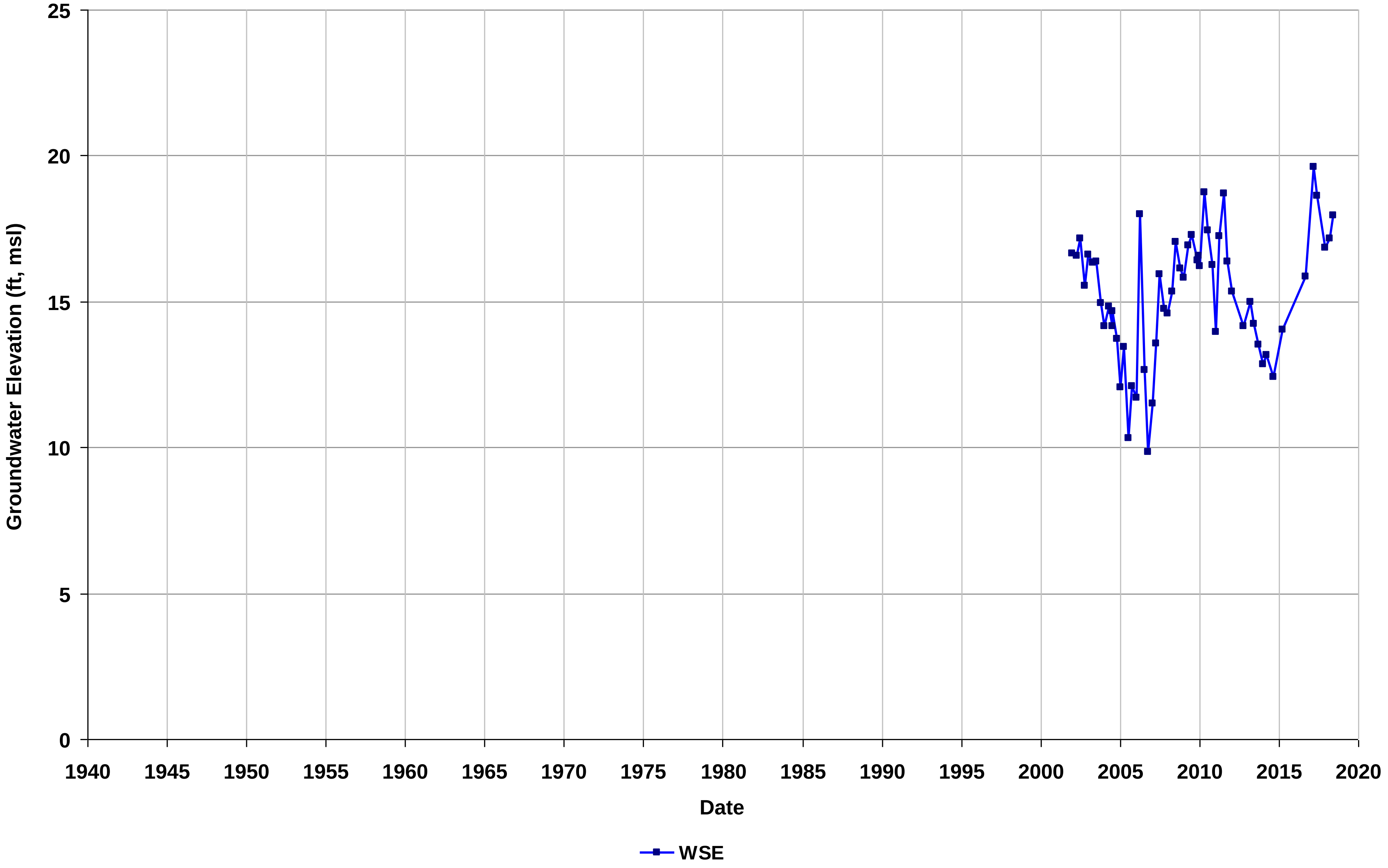
Well Name: T0600102073-MW-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



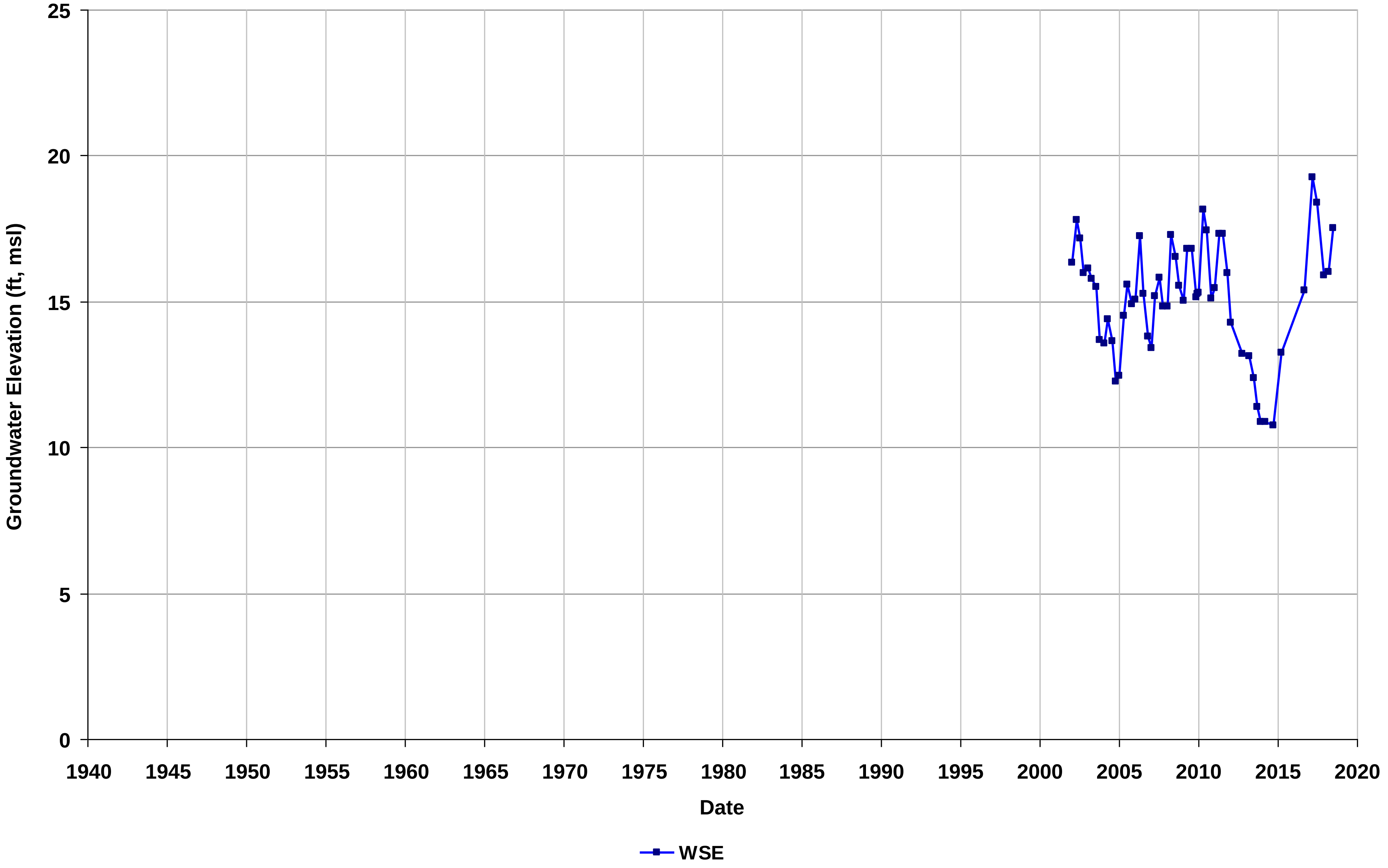
Well Name: T0600102073-MW-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



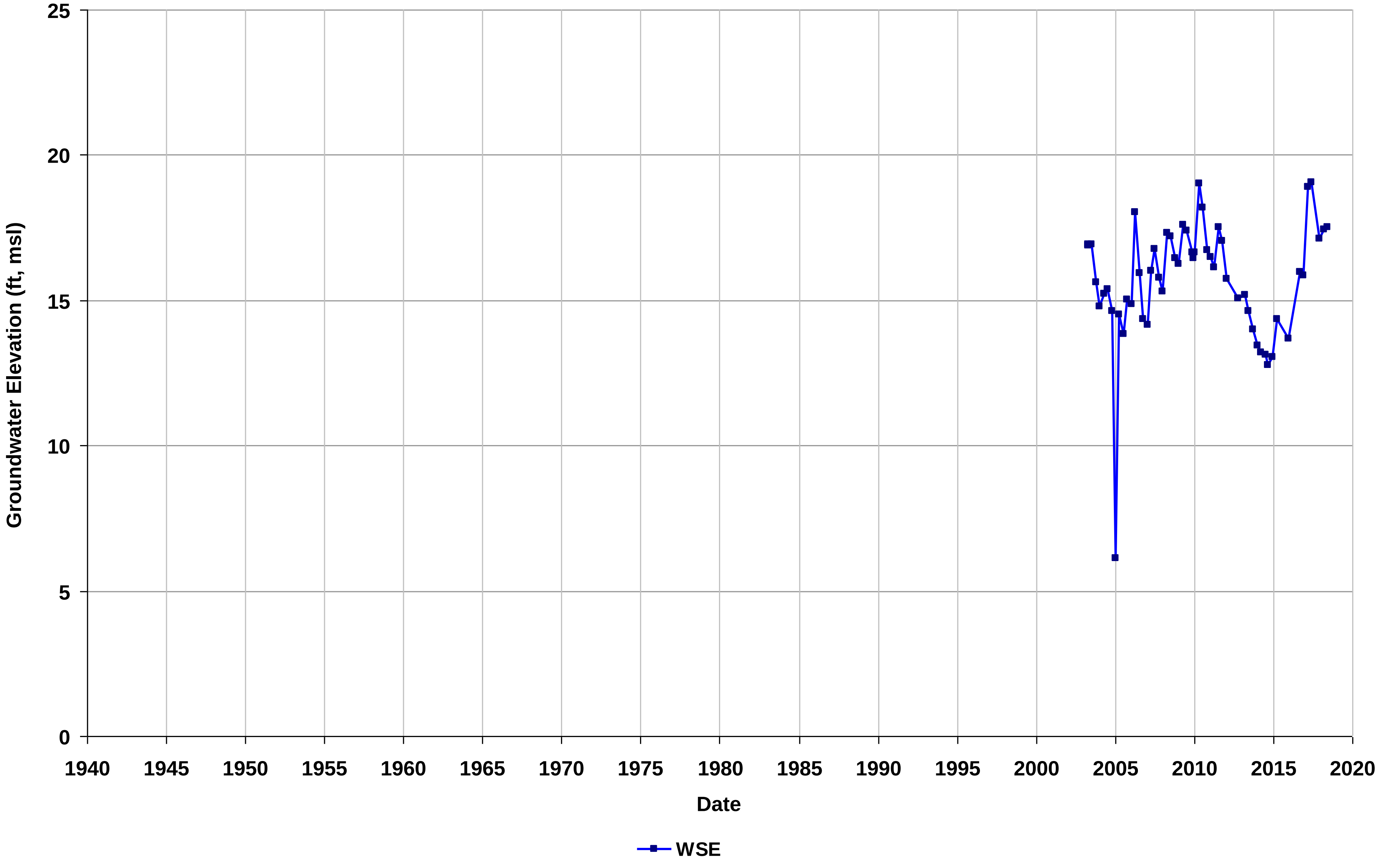
Well Name: T0600102073-MW-7
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



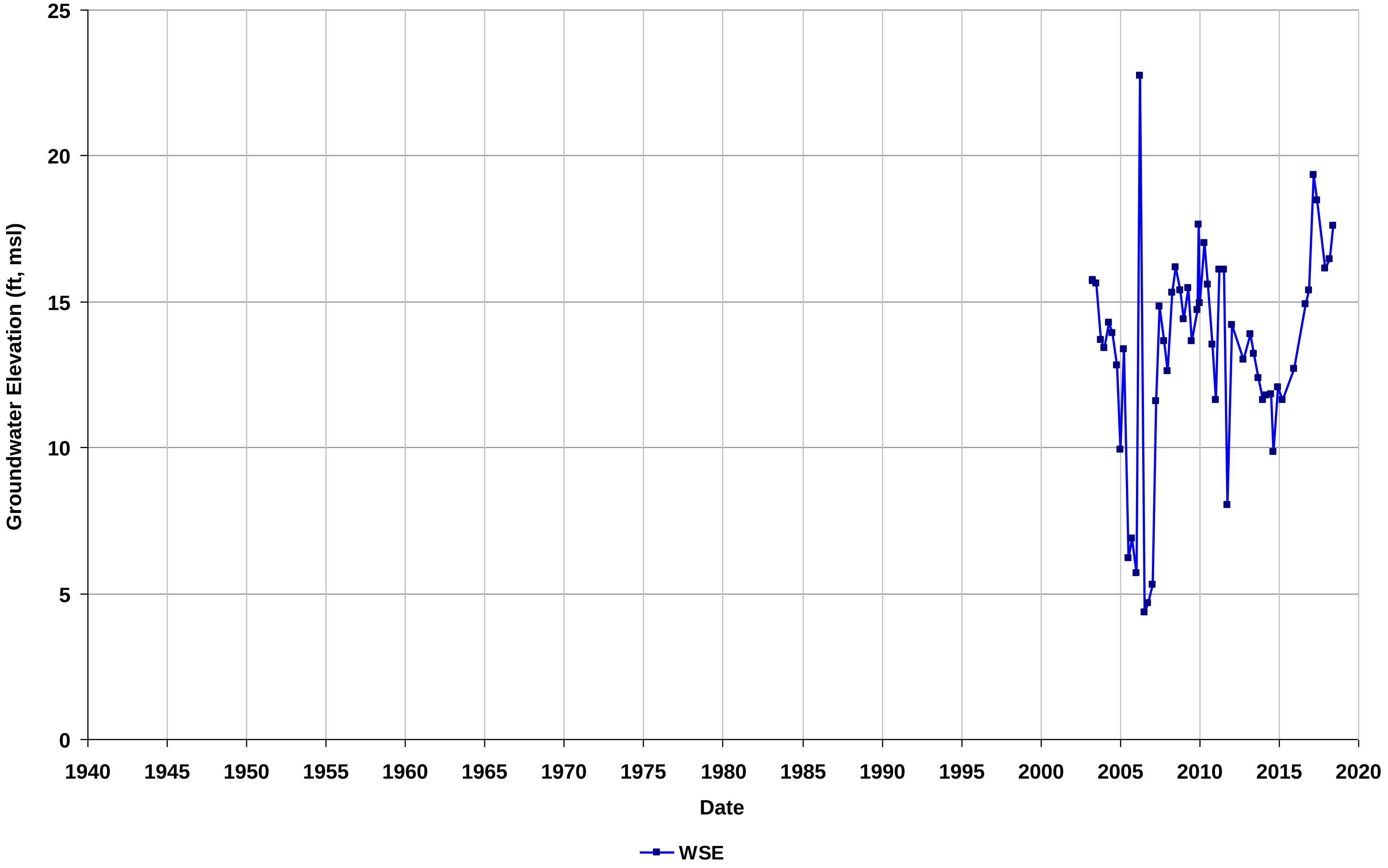
Well Name: T0600102073-P-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



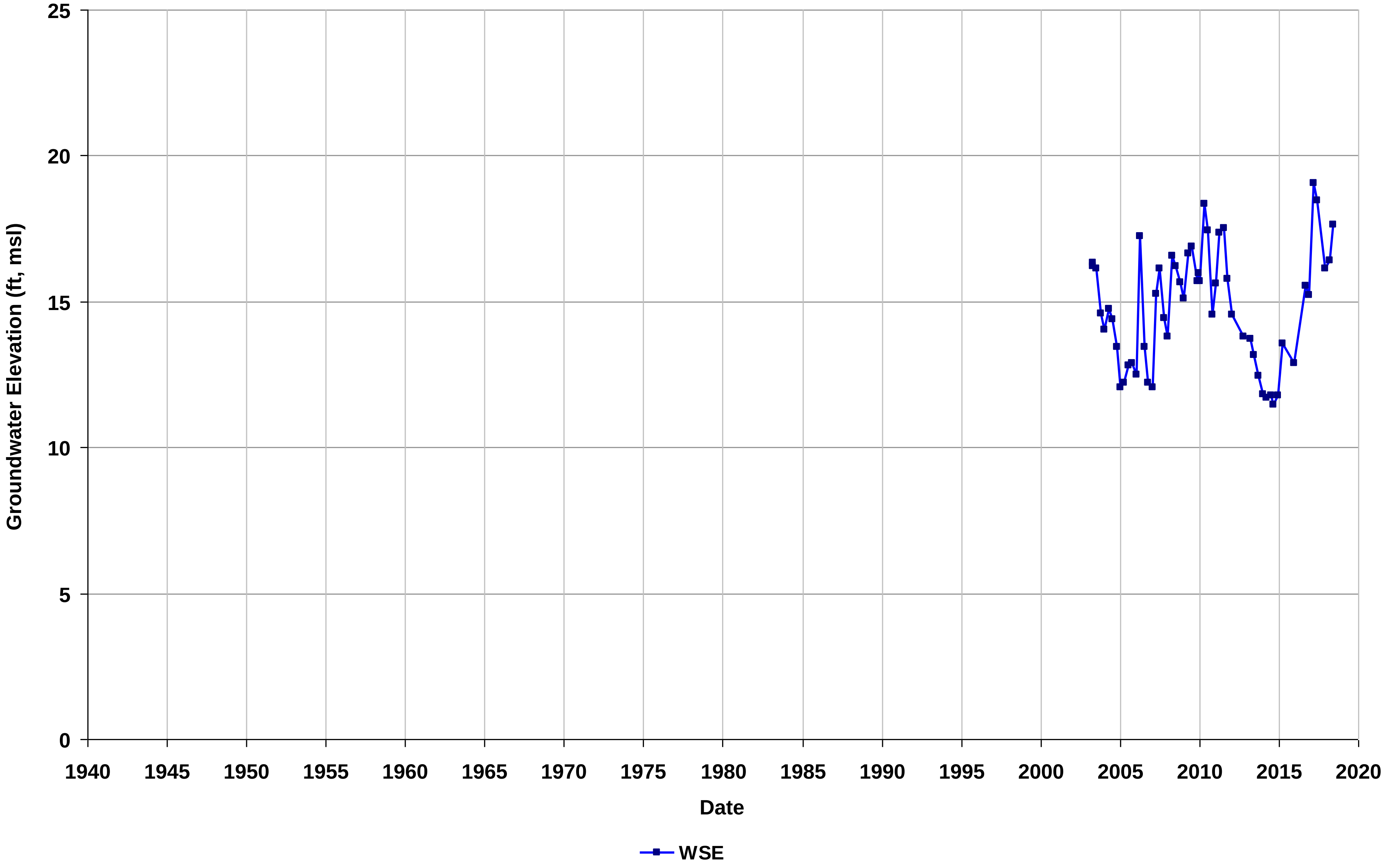
Well Name: T0600102073-P-10
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



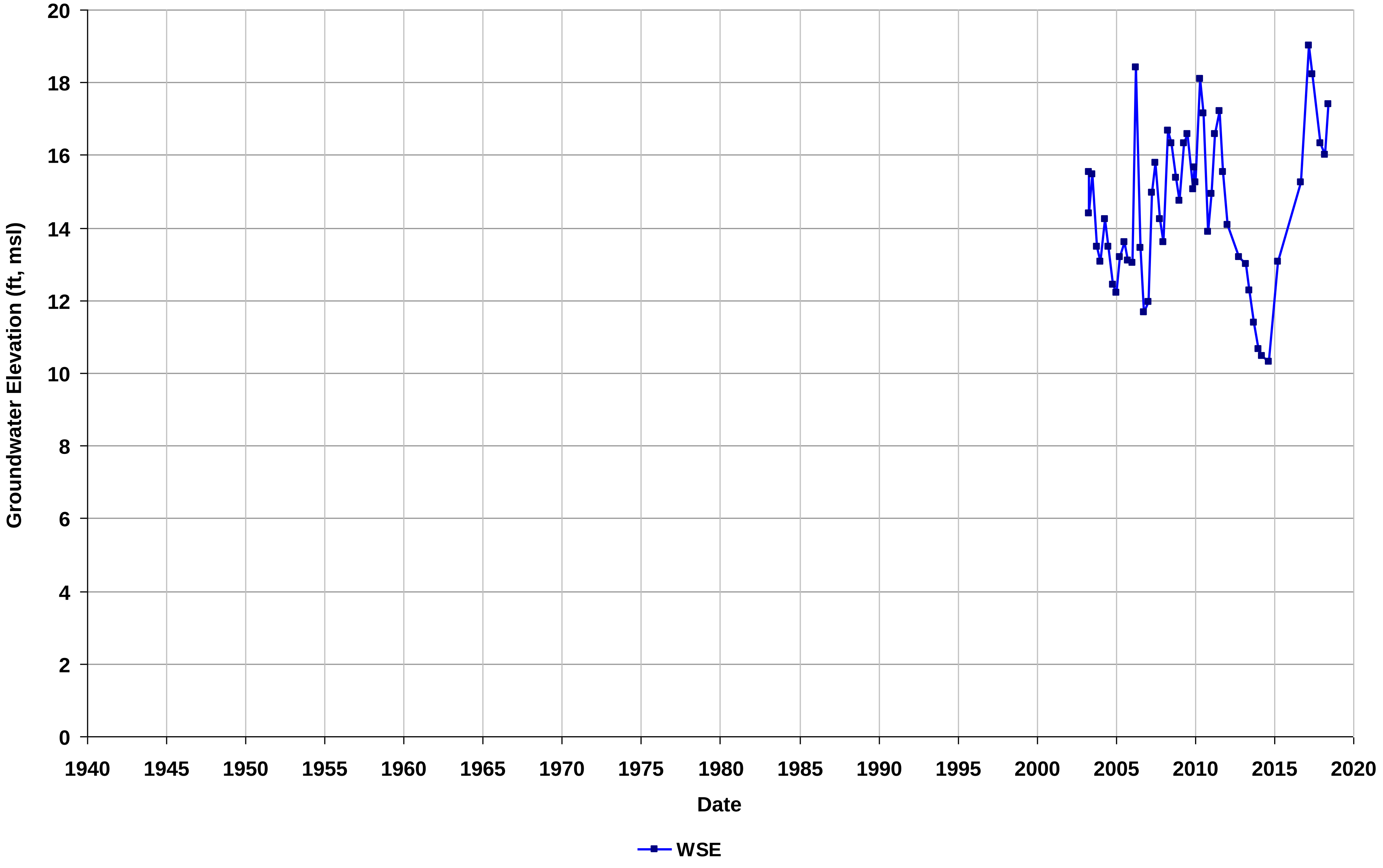
Well Name: T0600102073-P-11
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



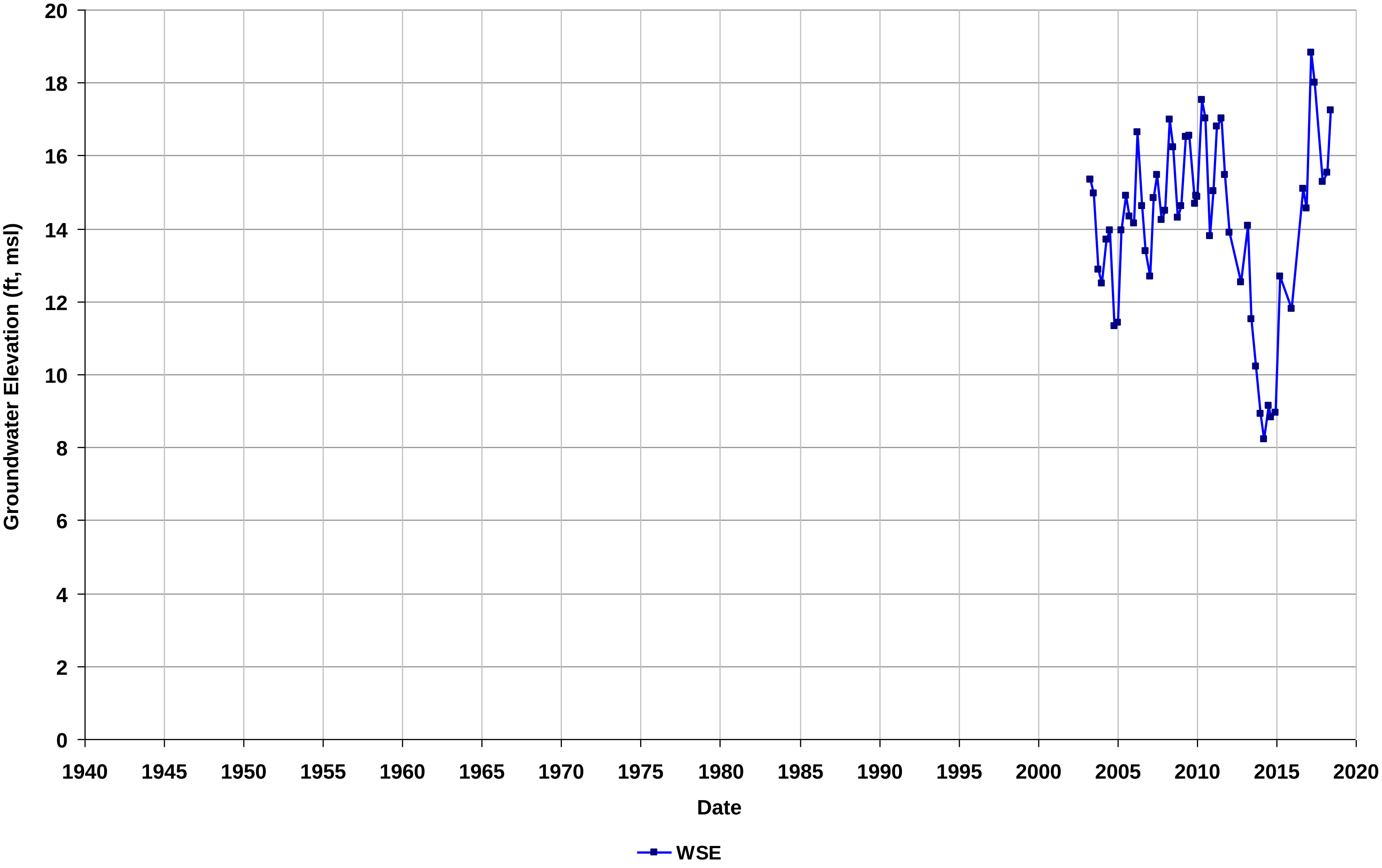
Well Name: T0600102073-P-12
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



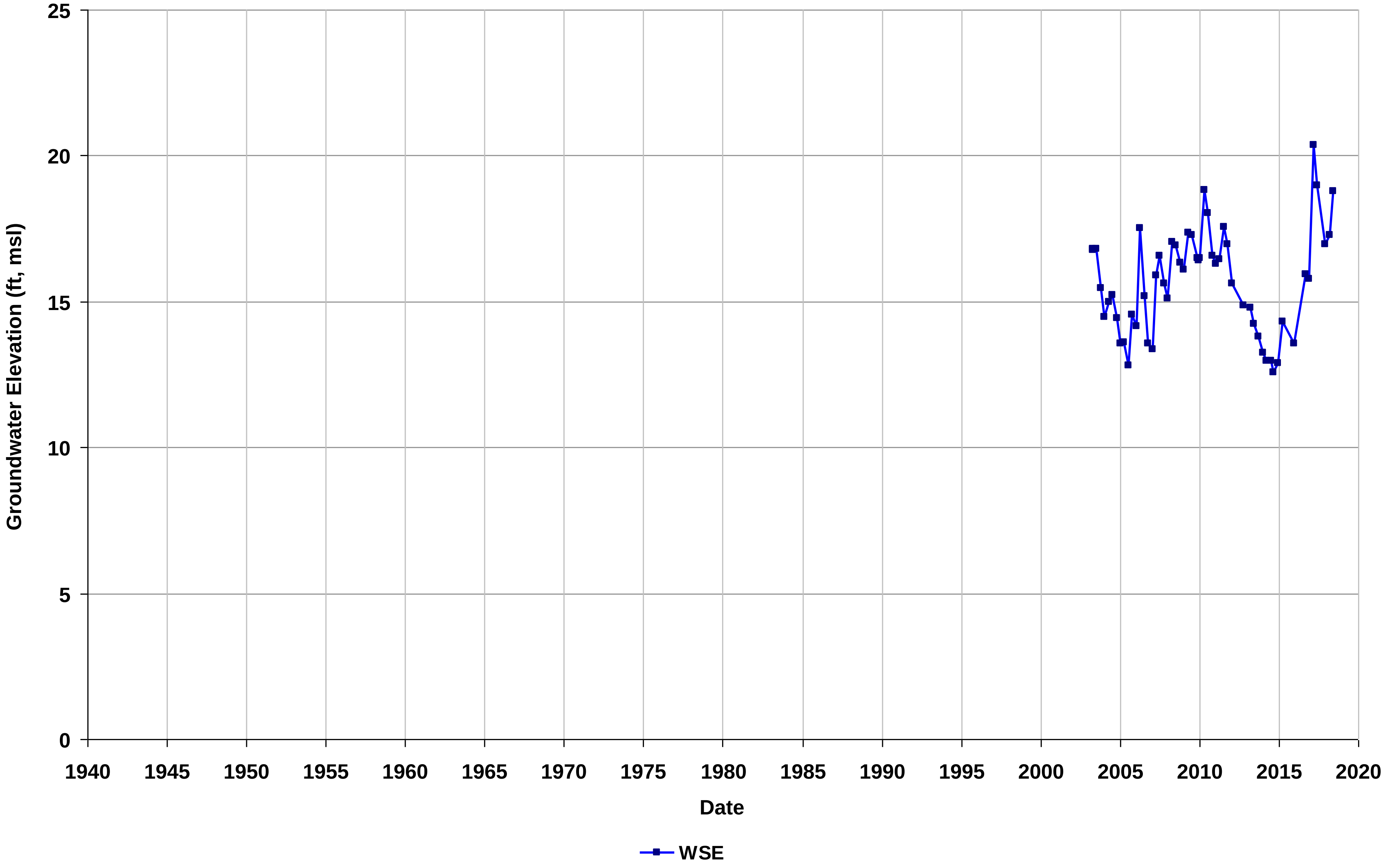
Well Name: T0600102073-P-14
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



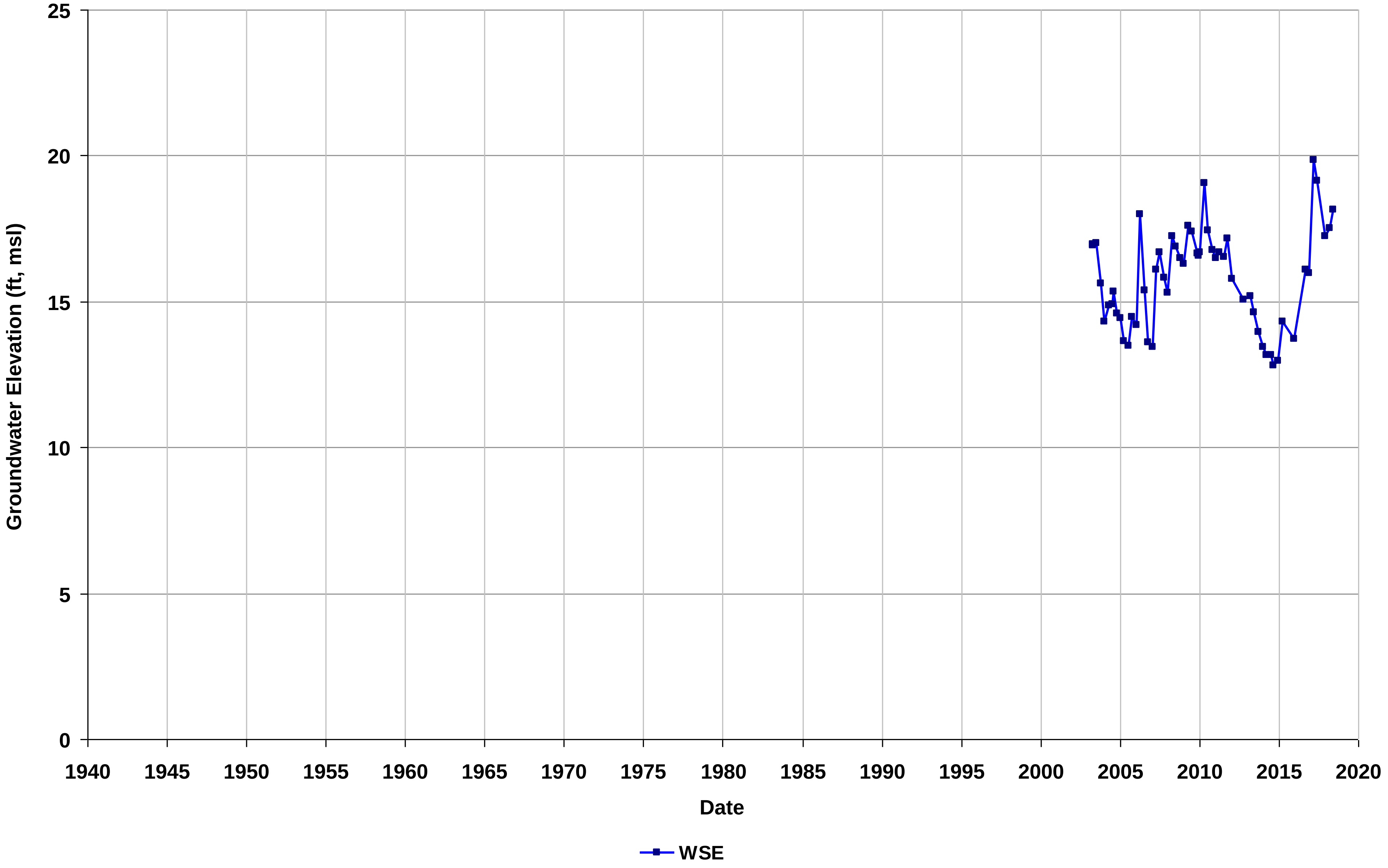
Well Name: T0600102073-P-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



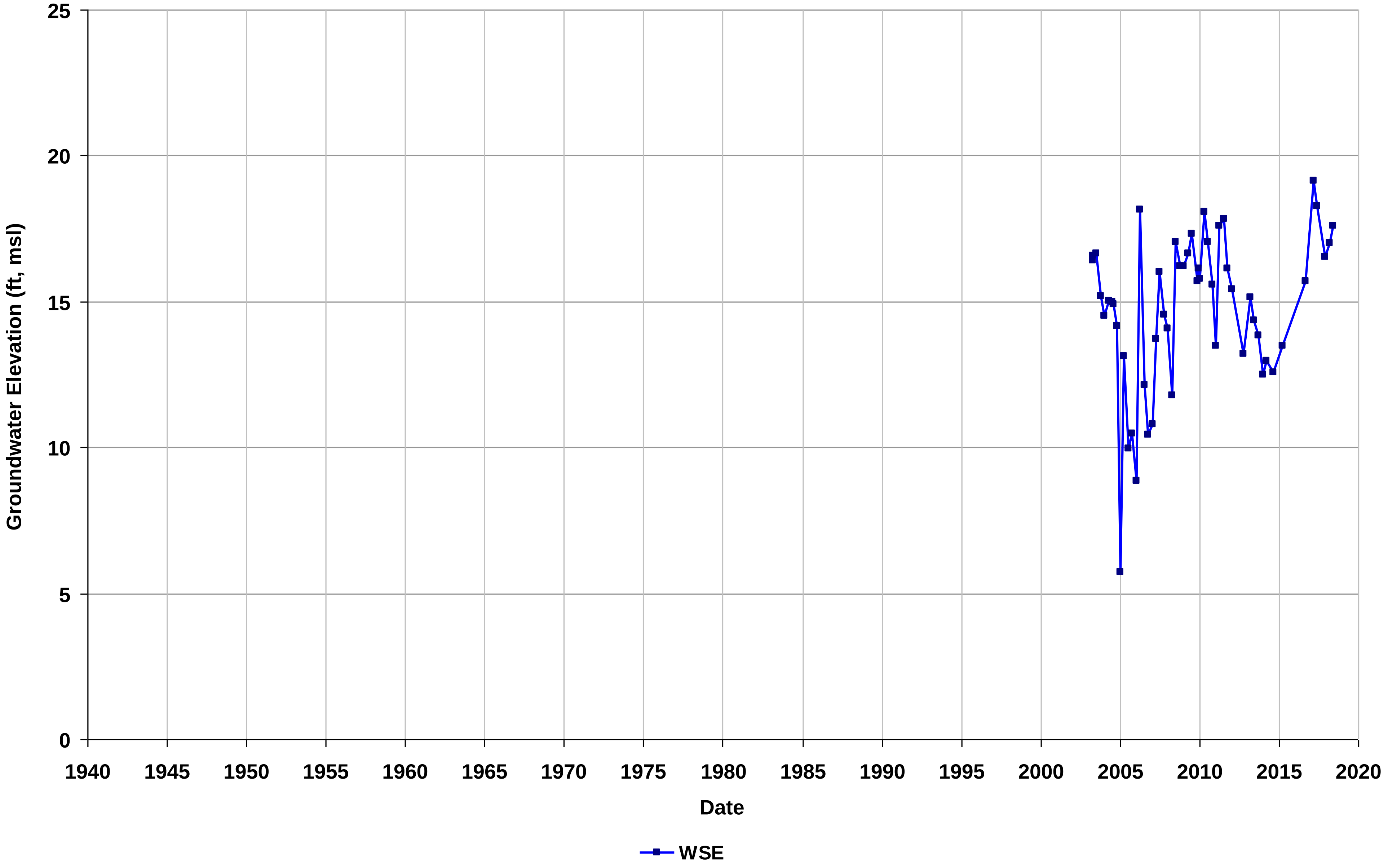
Well Name: T0600102073-P-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



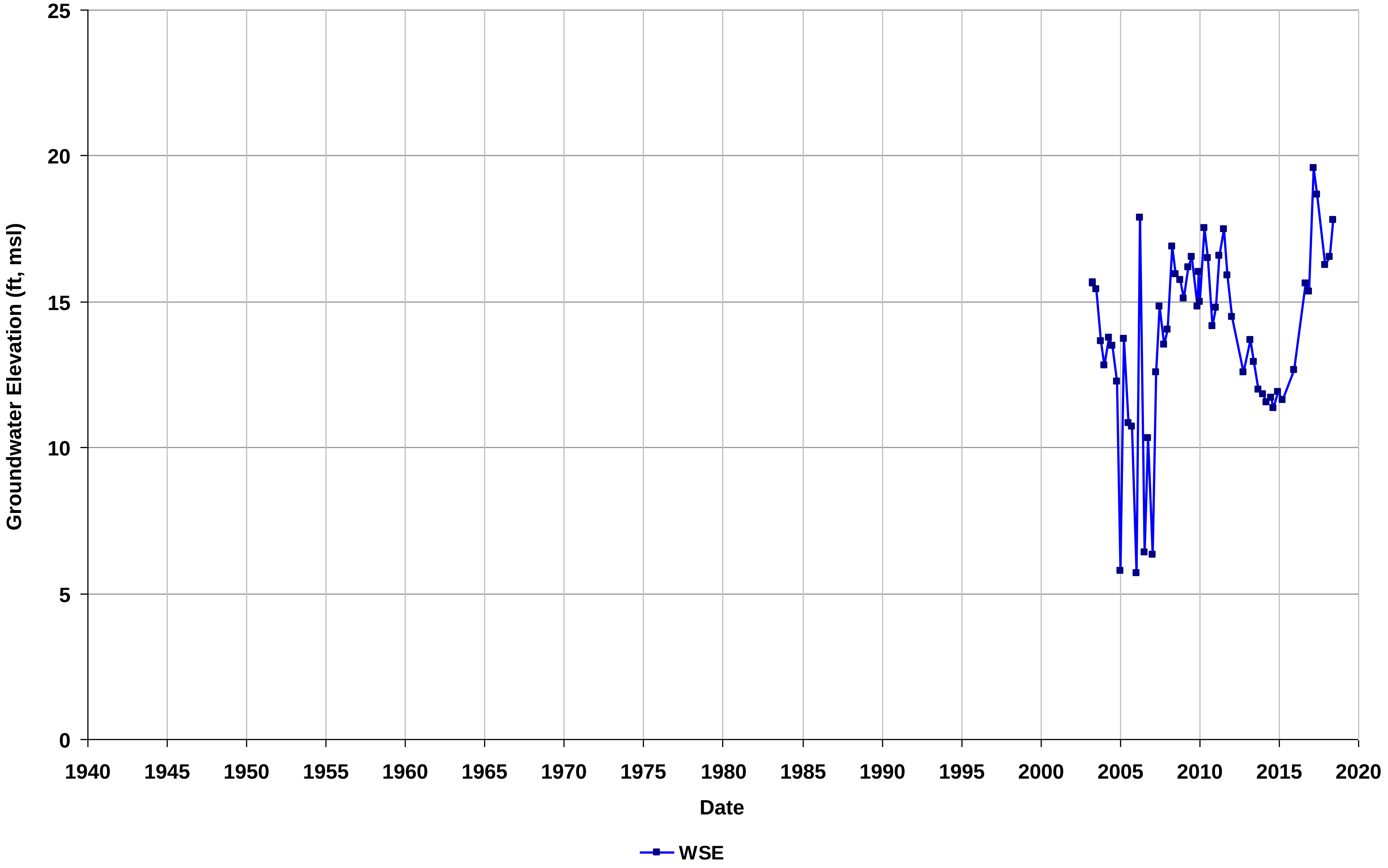
Well Name: T0600102073-P-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



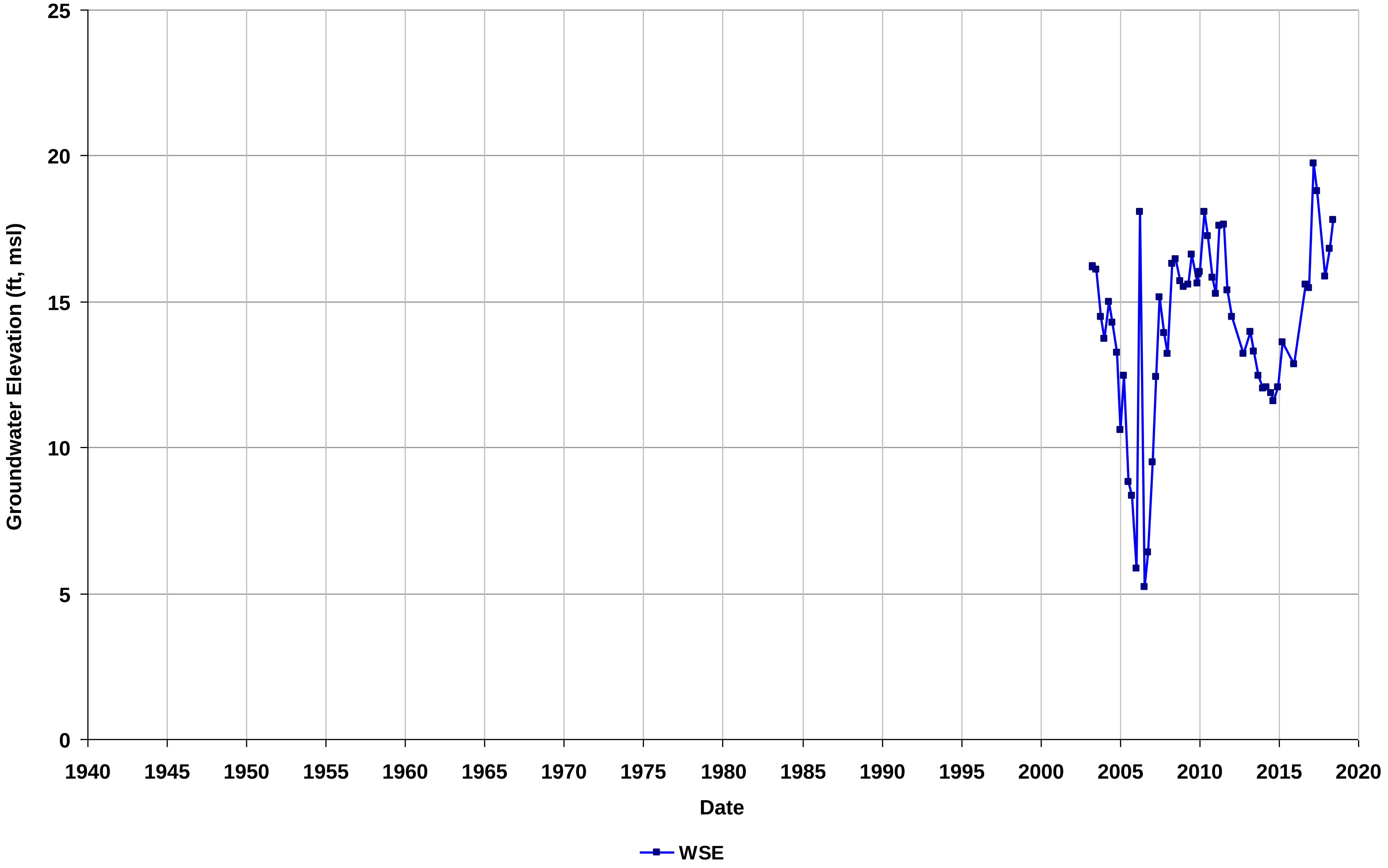
Well Name: T0600102073-P-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



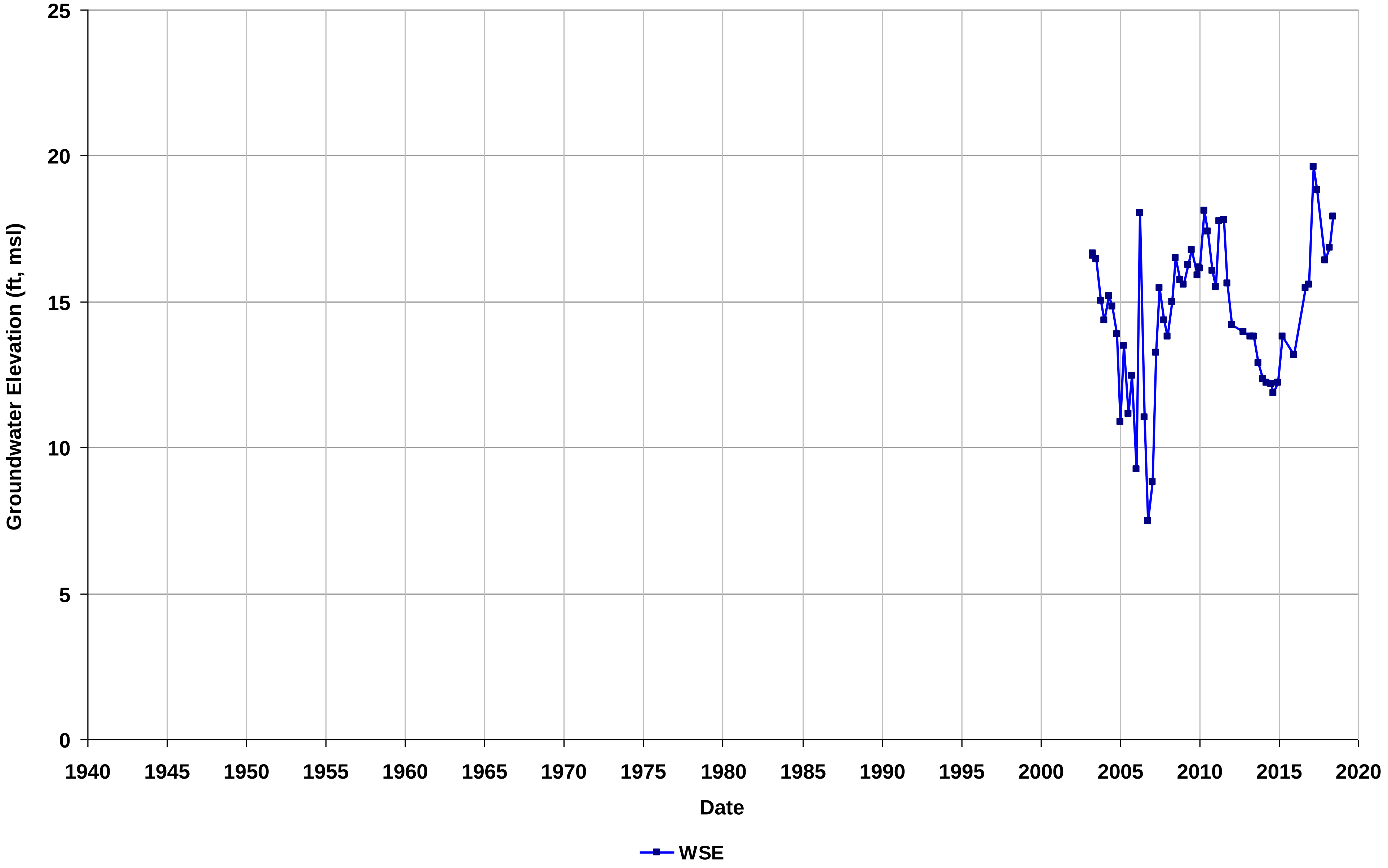
Well Name: T0600102073-P-7
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



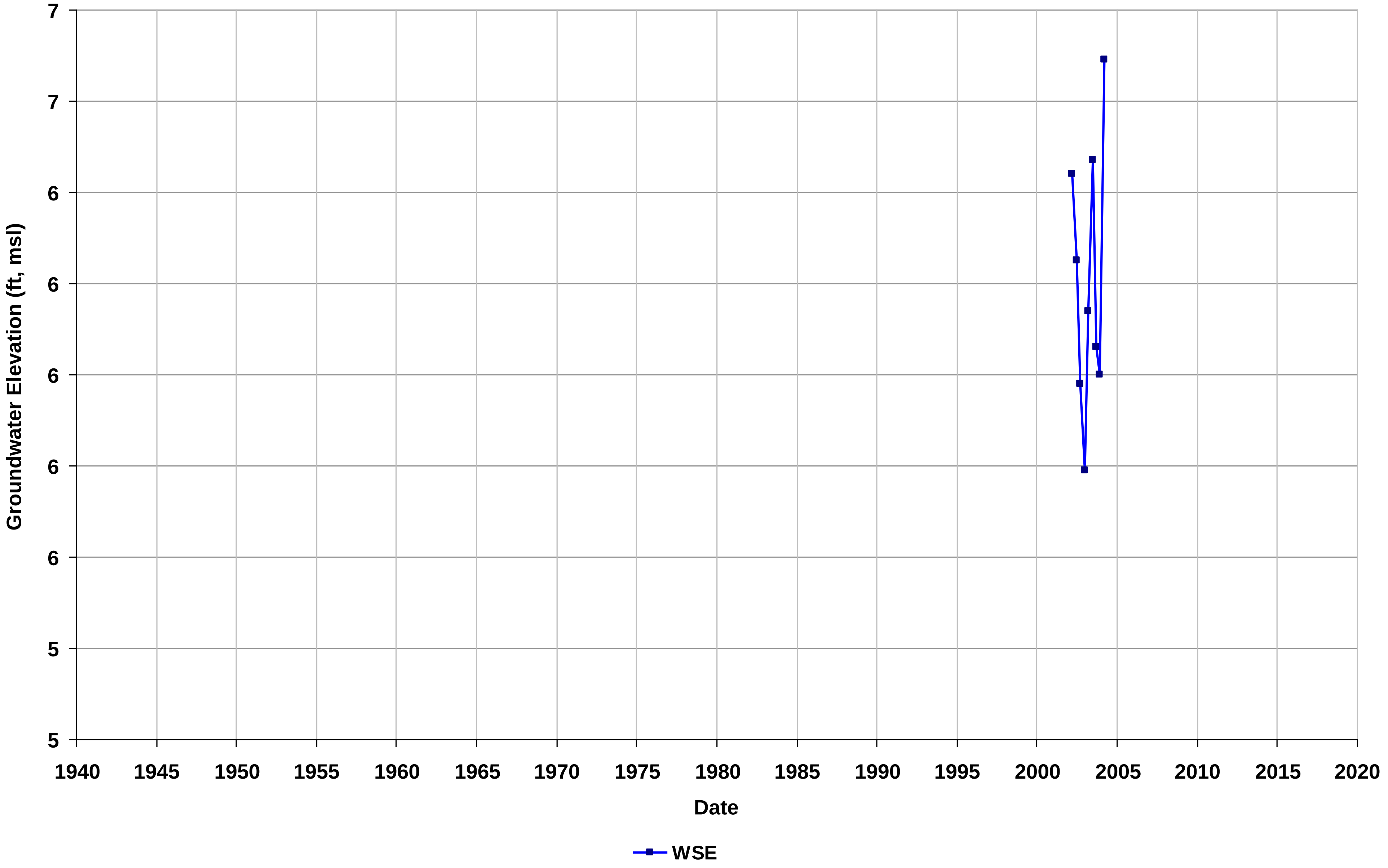
Well Name: T0600102073-P-9
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



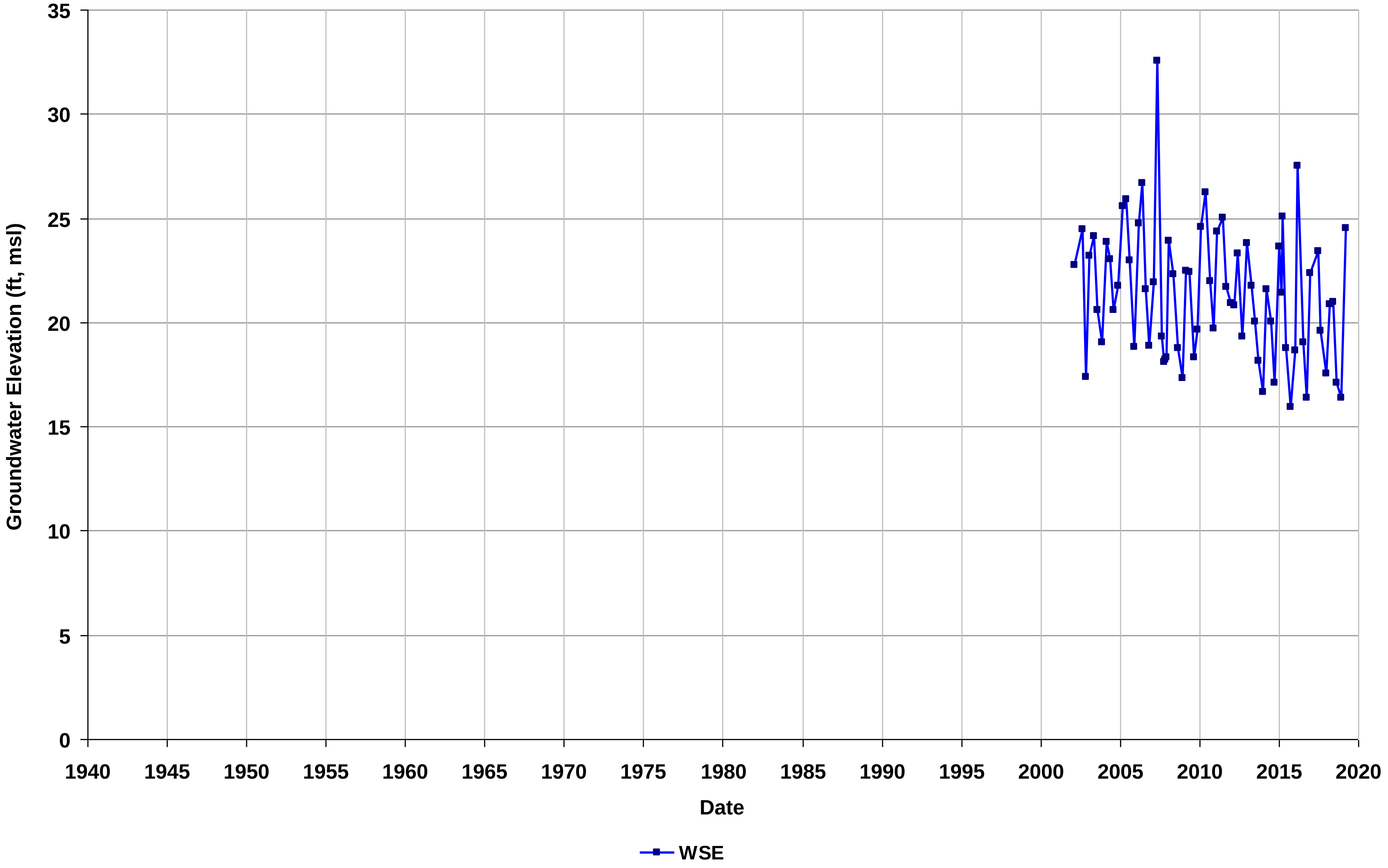
Well Name: T0600102076-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/26
Well Use: Observation



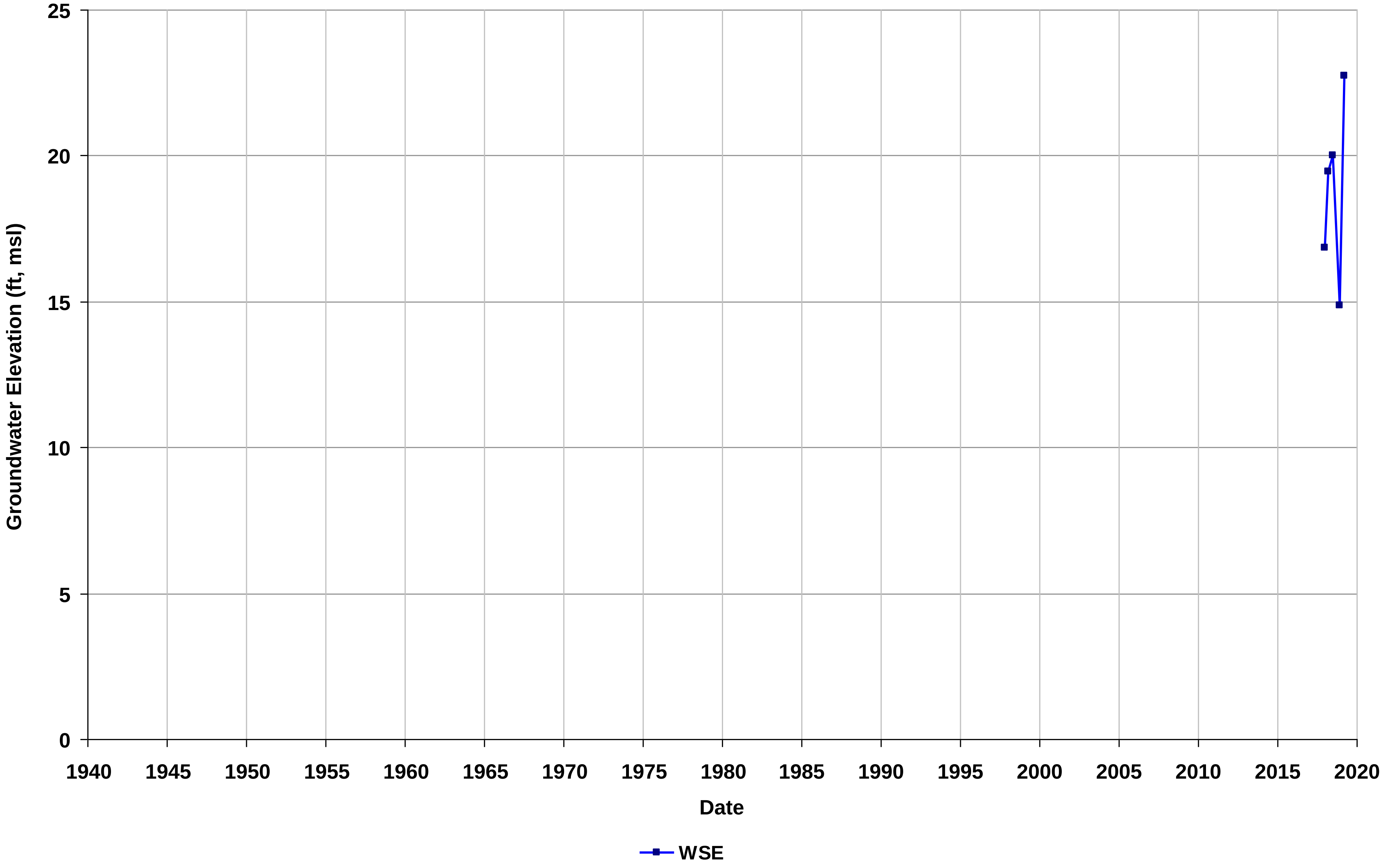
Well Name: T0600102079-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



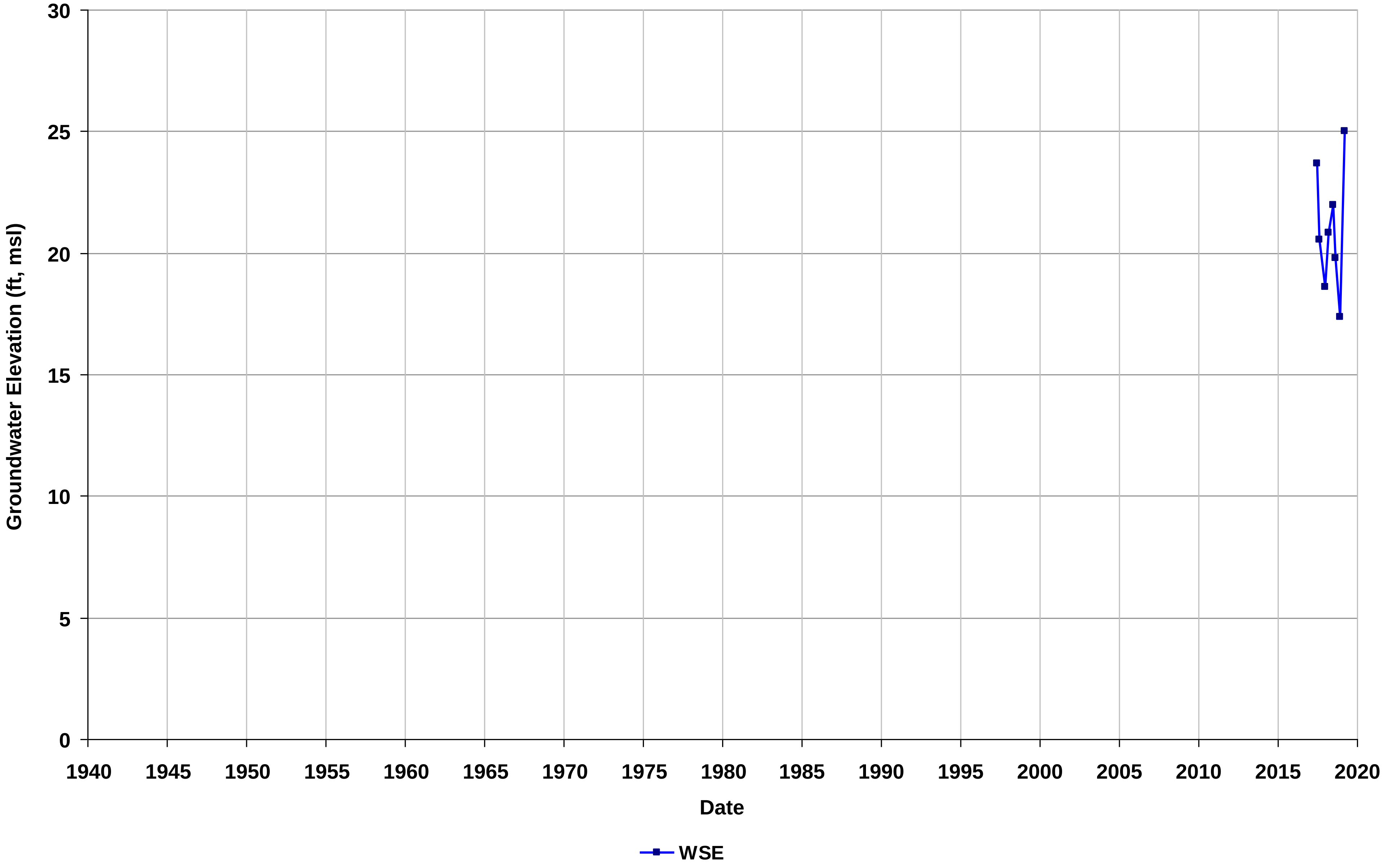
Well Name: T0600102079-MW-11
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



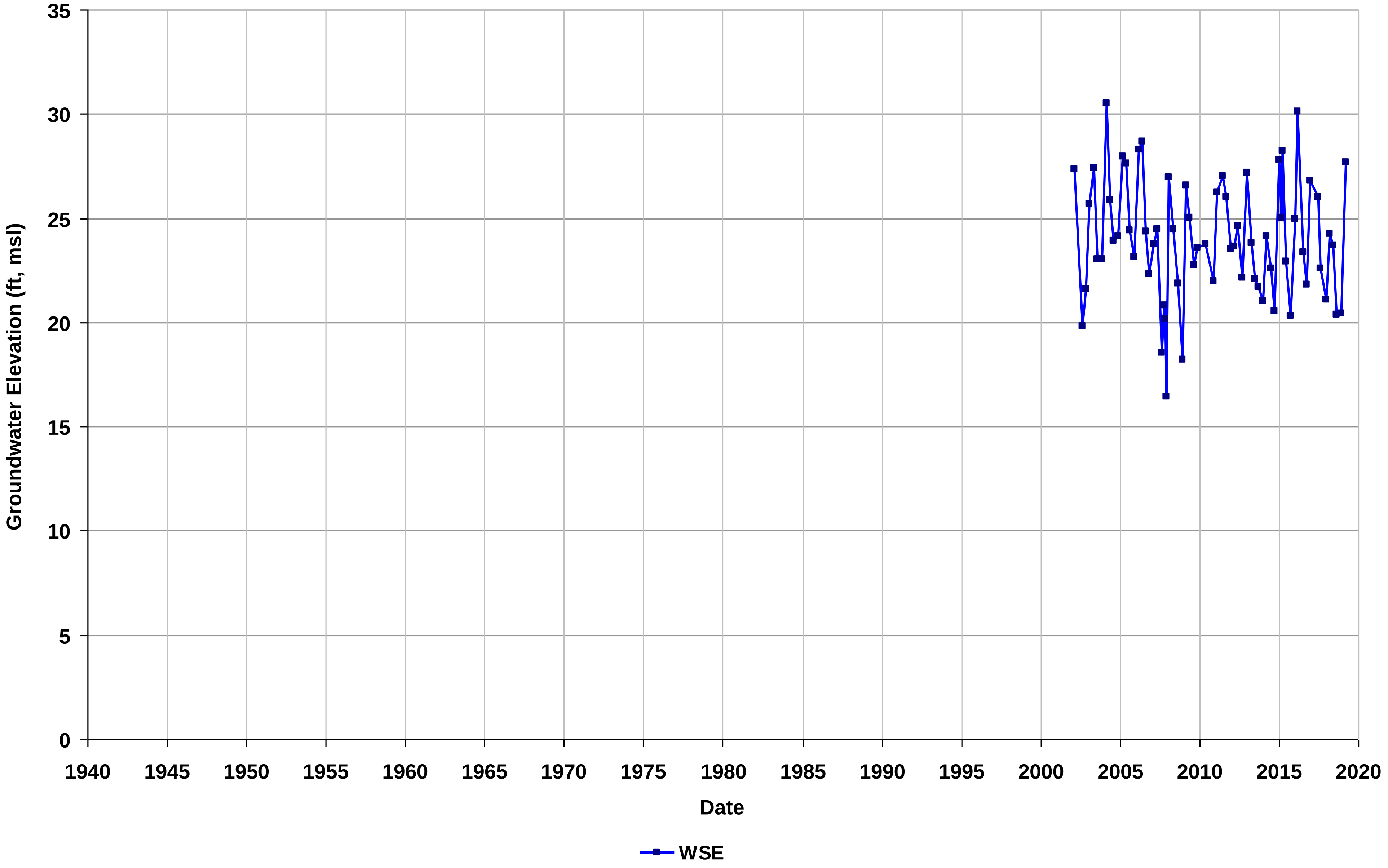
Well Name: T0600102079-MW-12
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/15
Well Use: Observation



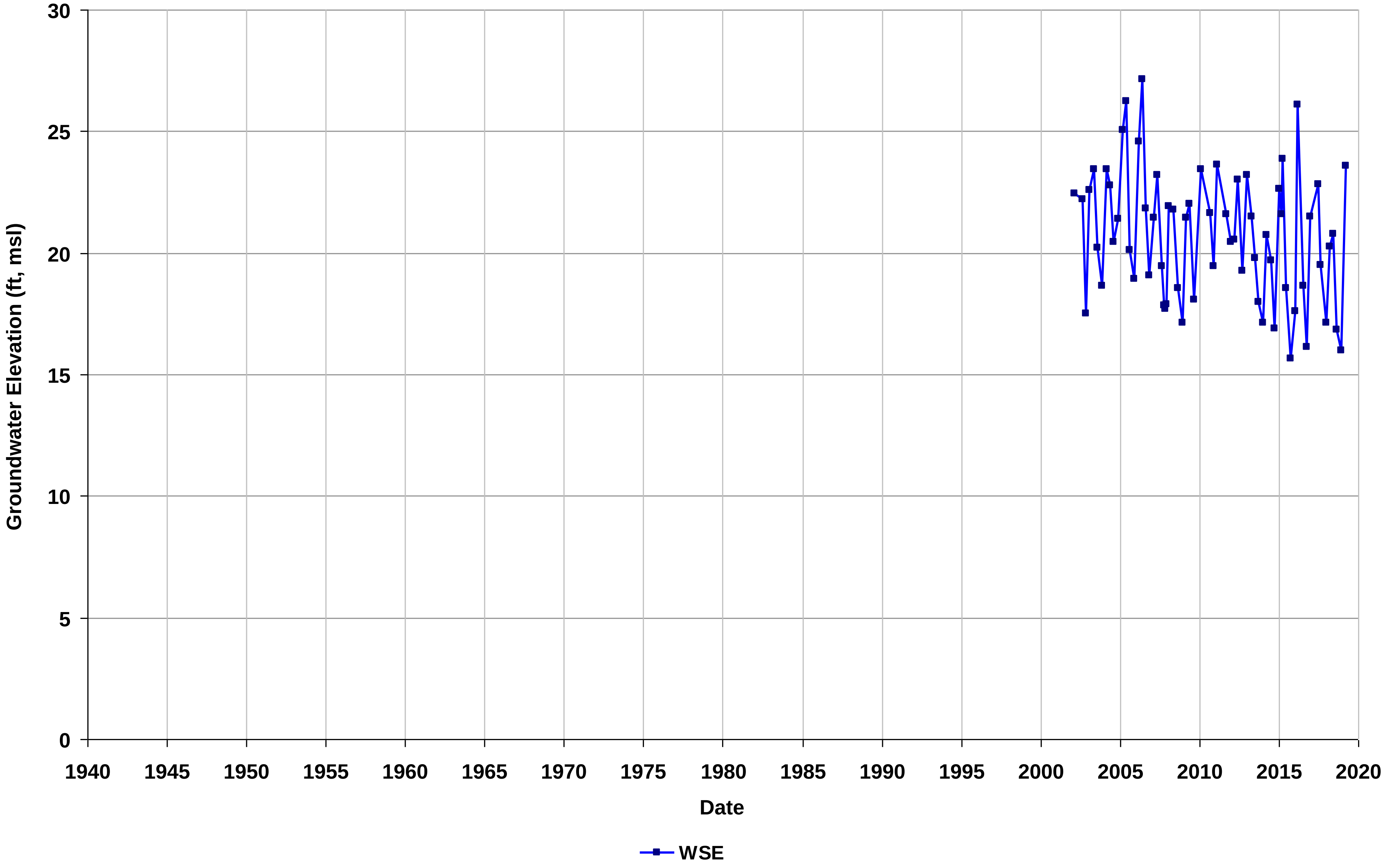
Well Name: T0600102079-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/15
Well Use: Observation



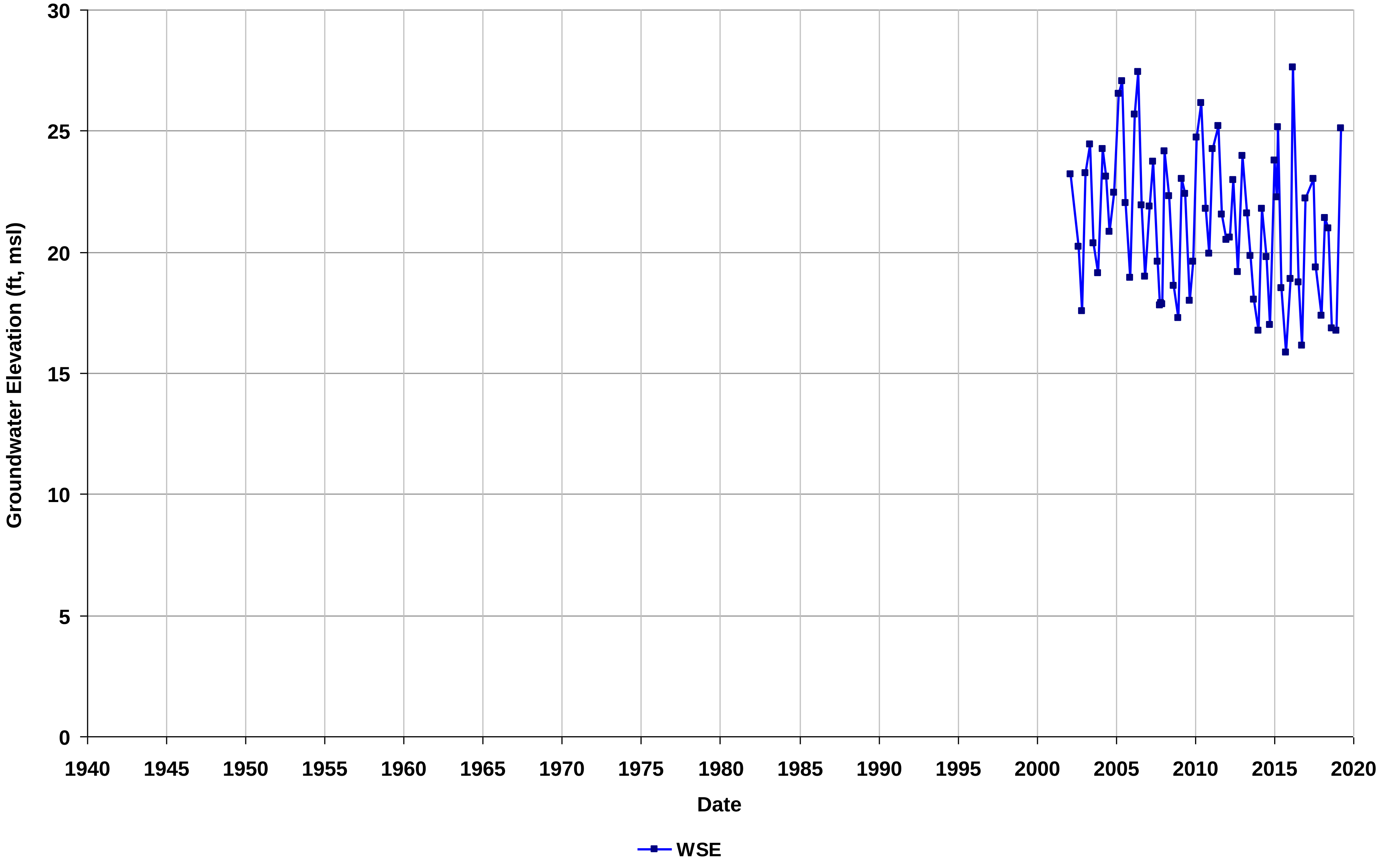
Well Name: T0600102079-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



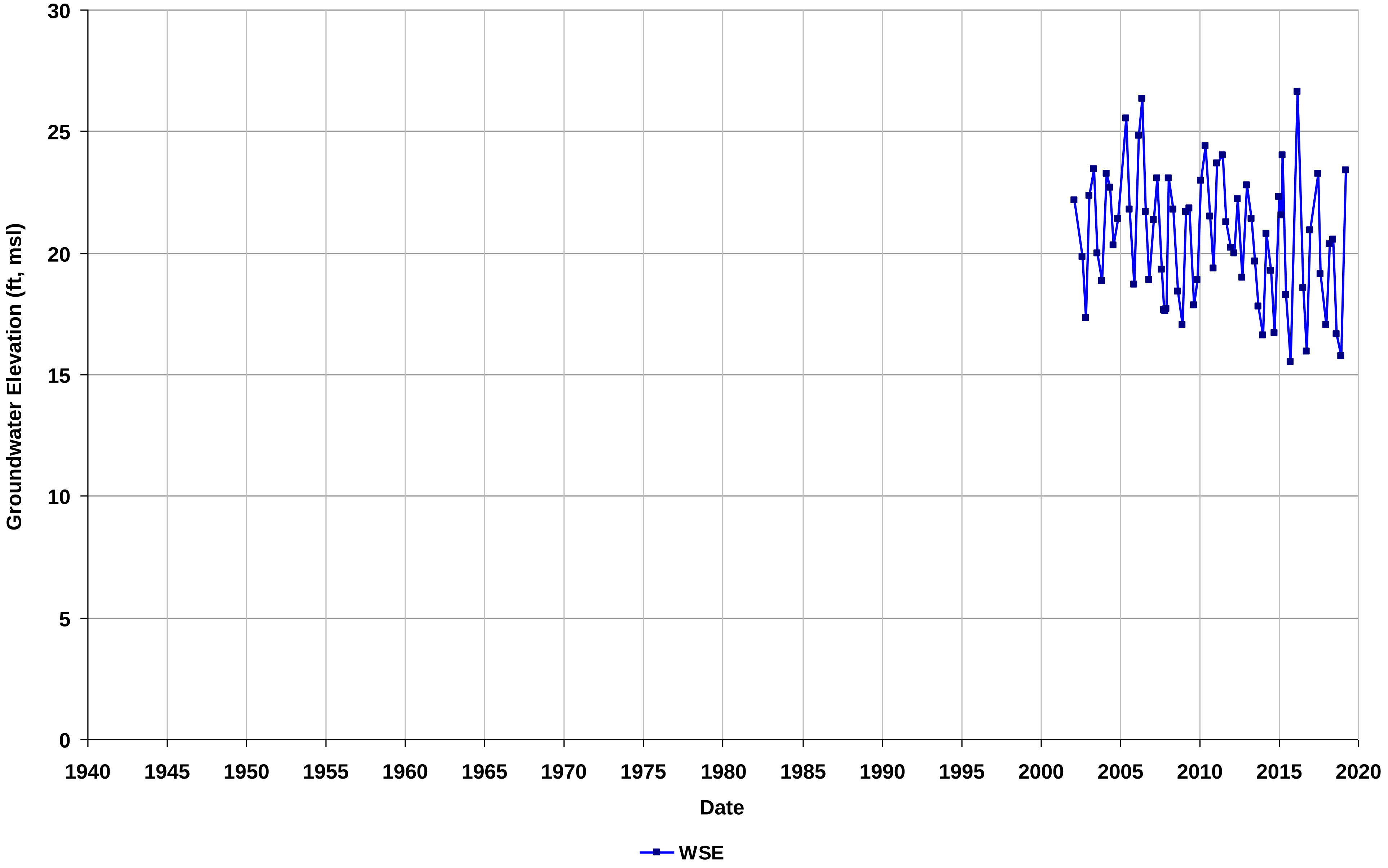
Well Name: T0600102079-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



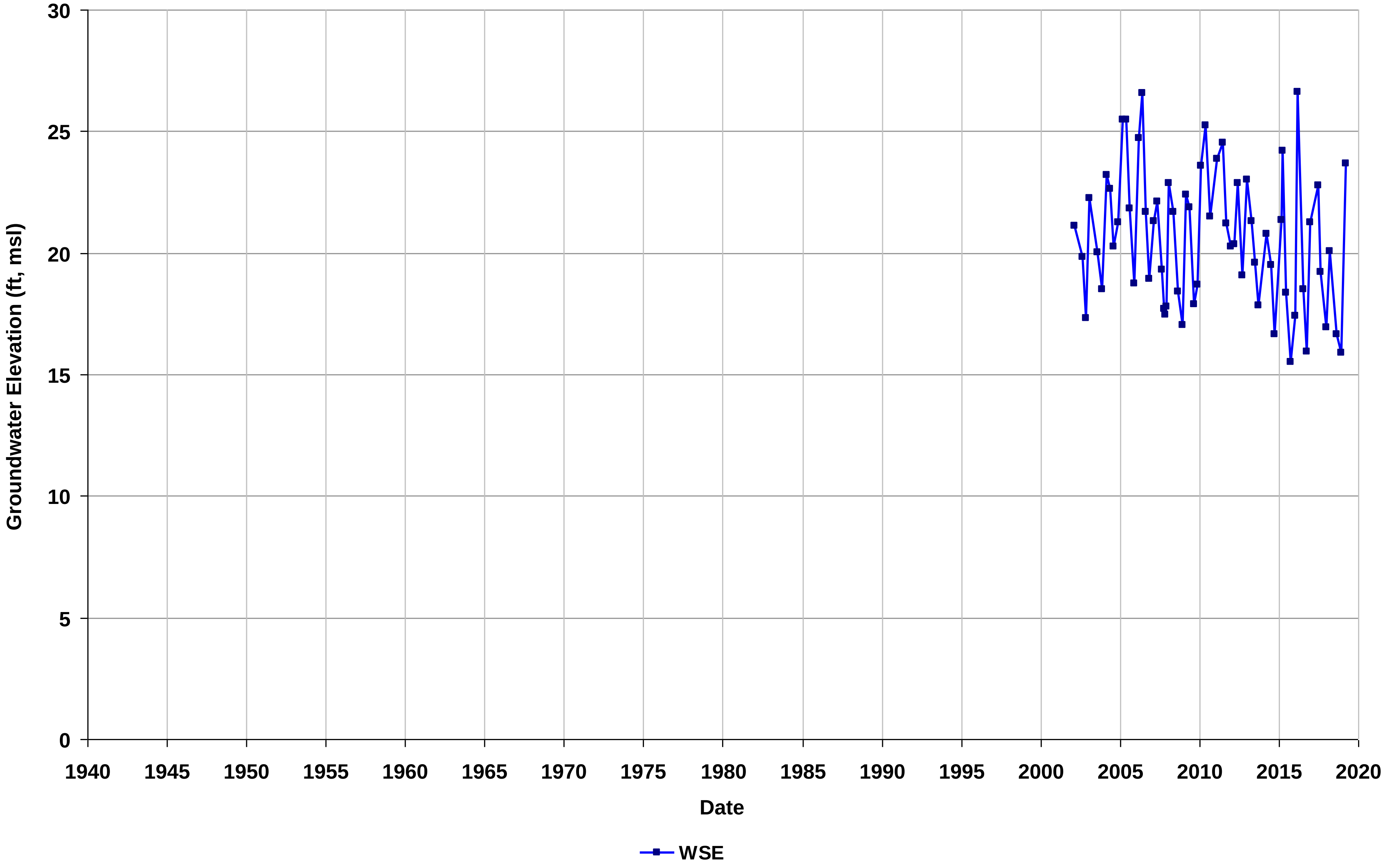
Well Name: T0600102079-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



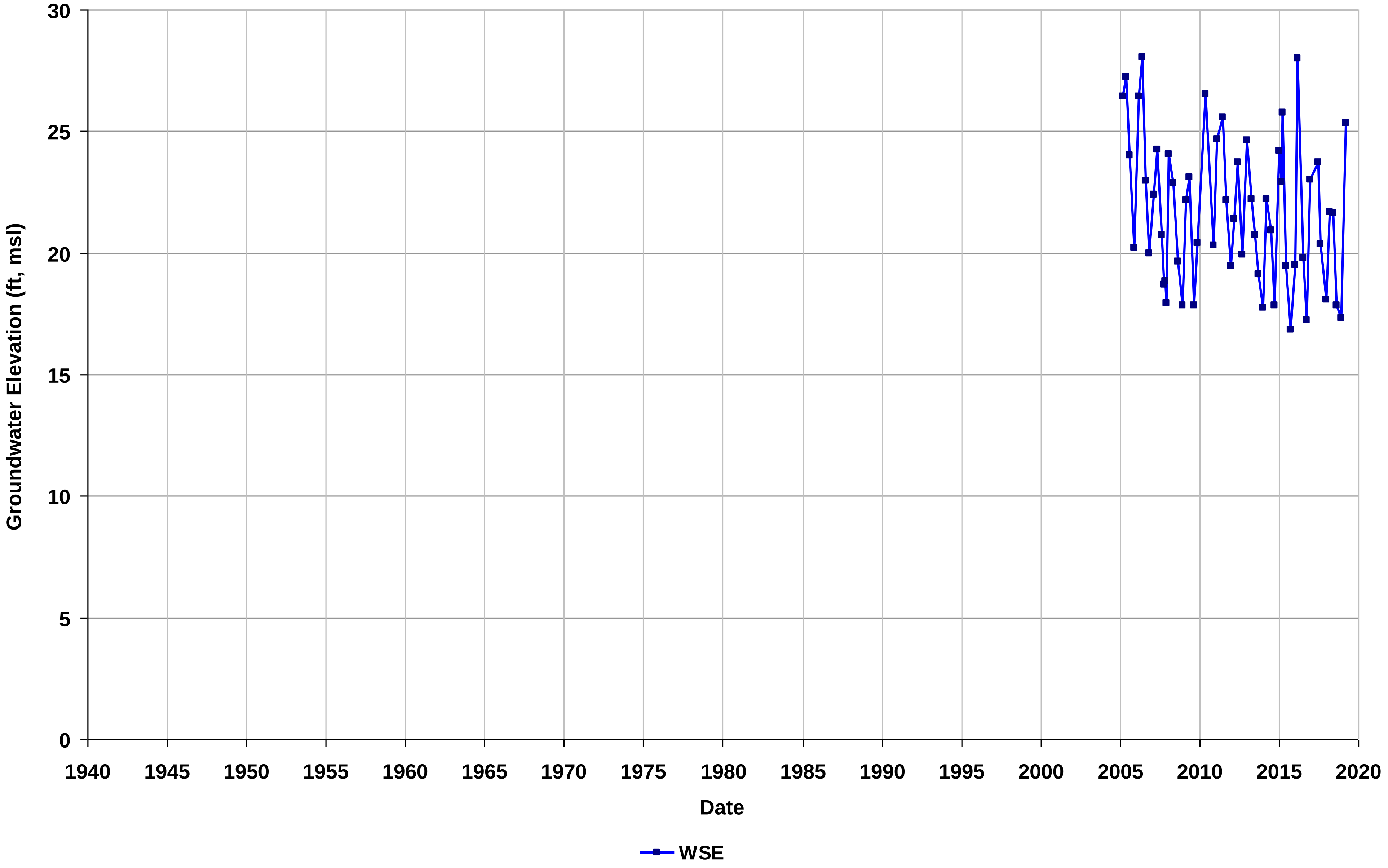
Well Name: T0600102079-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



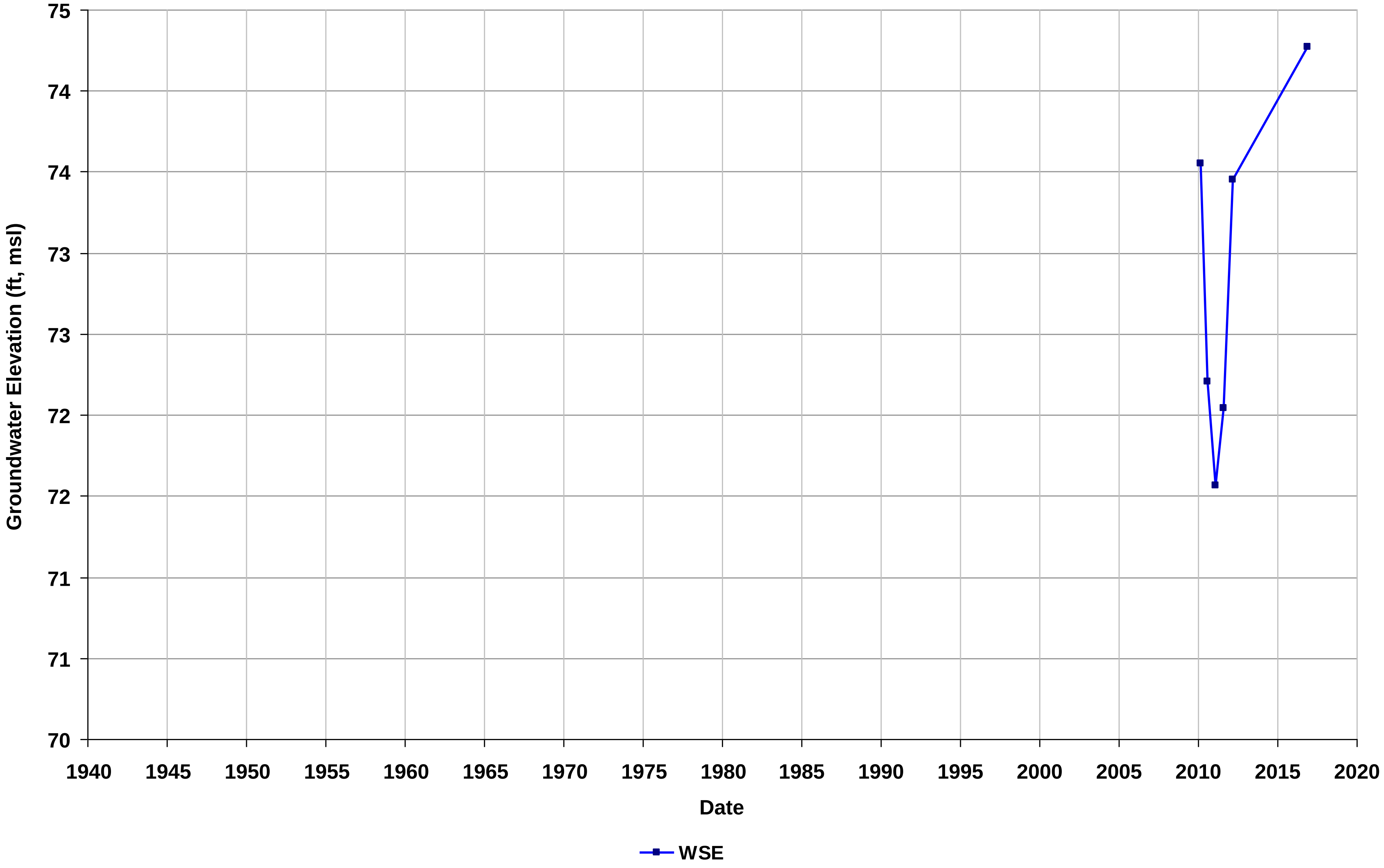
Well Name: T0600102079-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



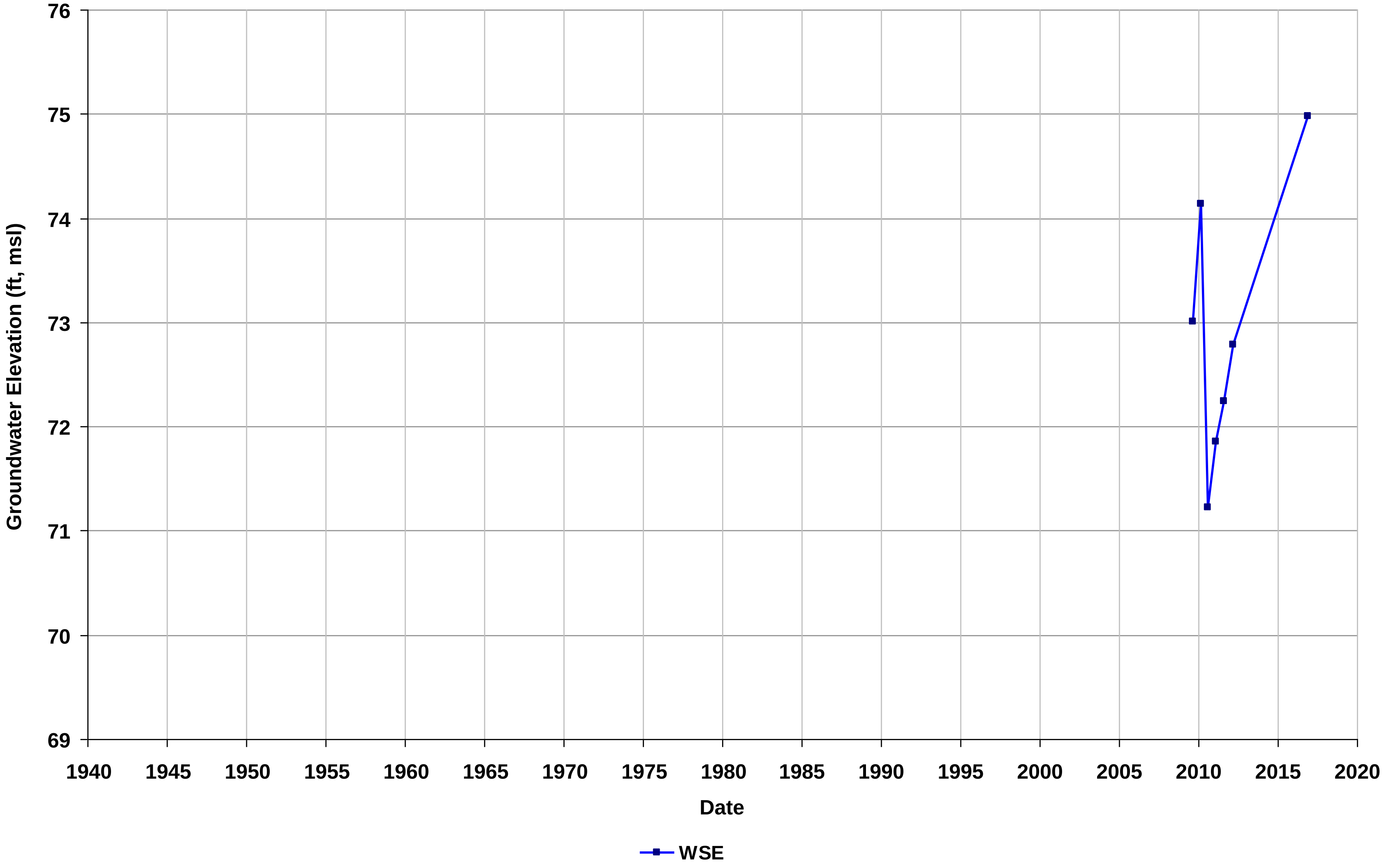
Well Name: T0600102095-B-10R
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/24
Well Use: Observation



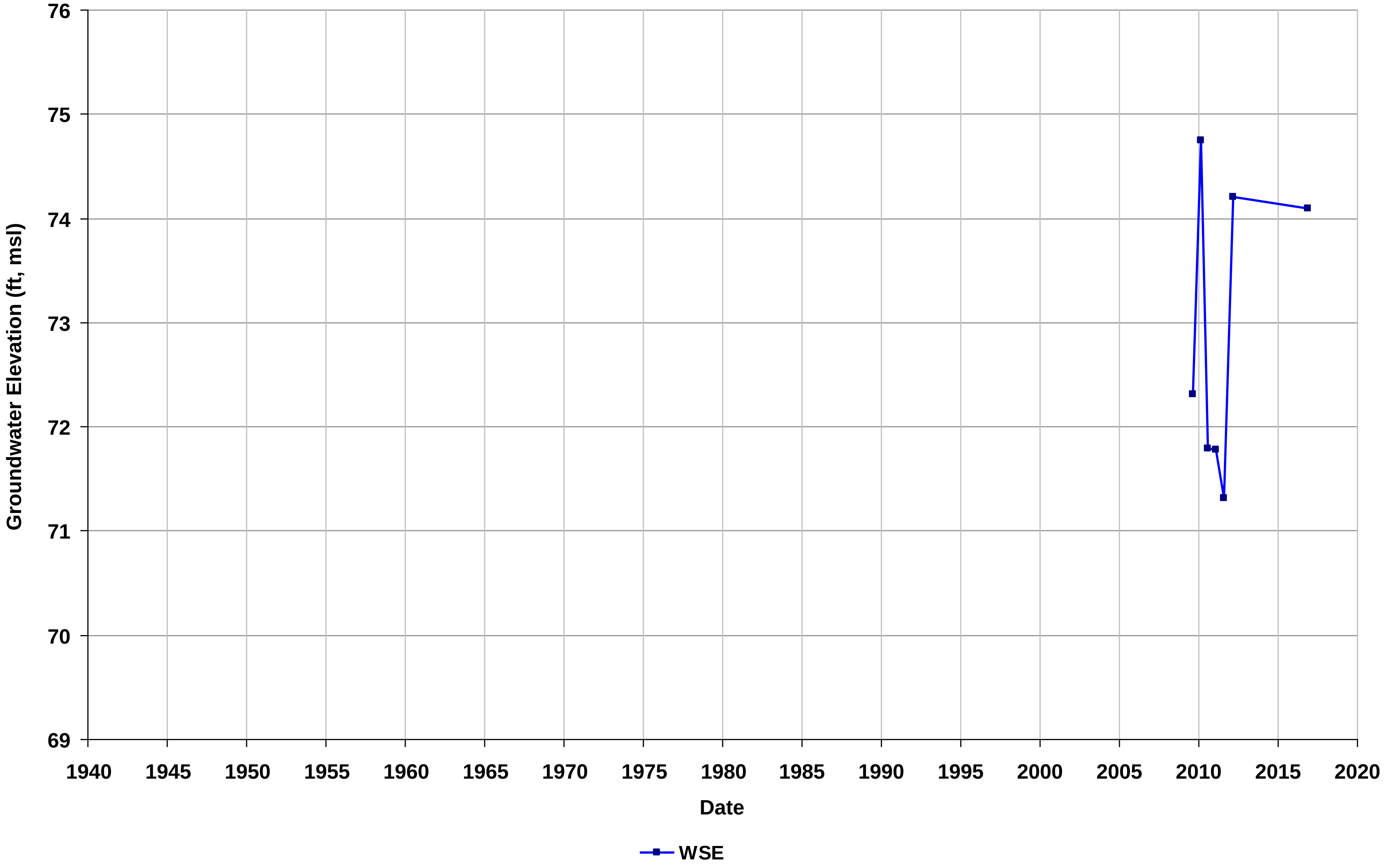
Well Name: T0600102095-B-8R
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/24
Well Use: Observation



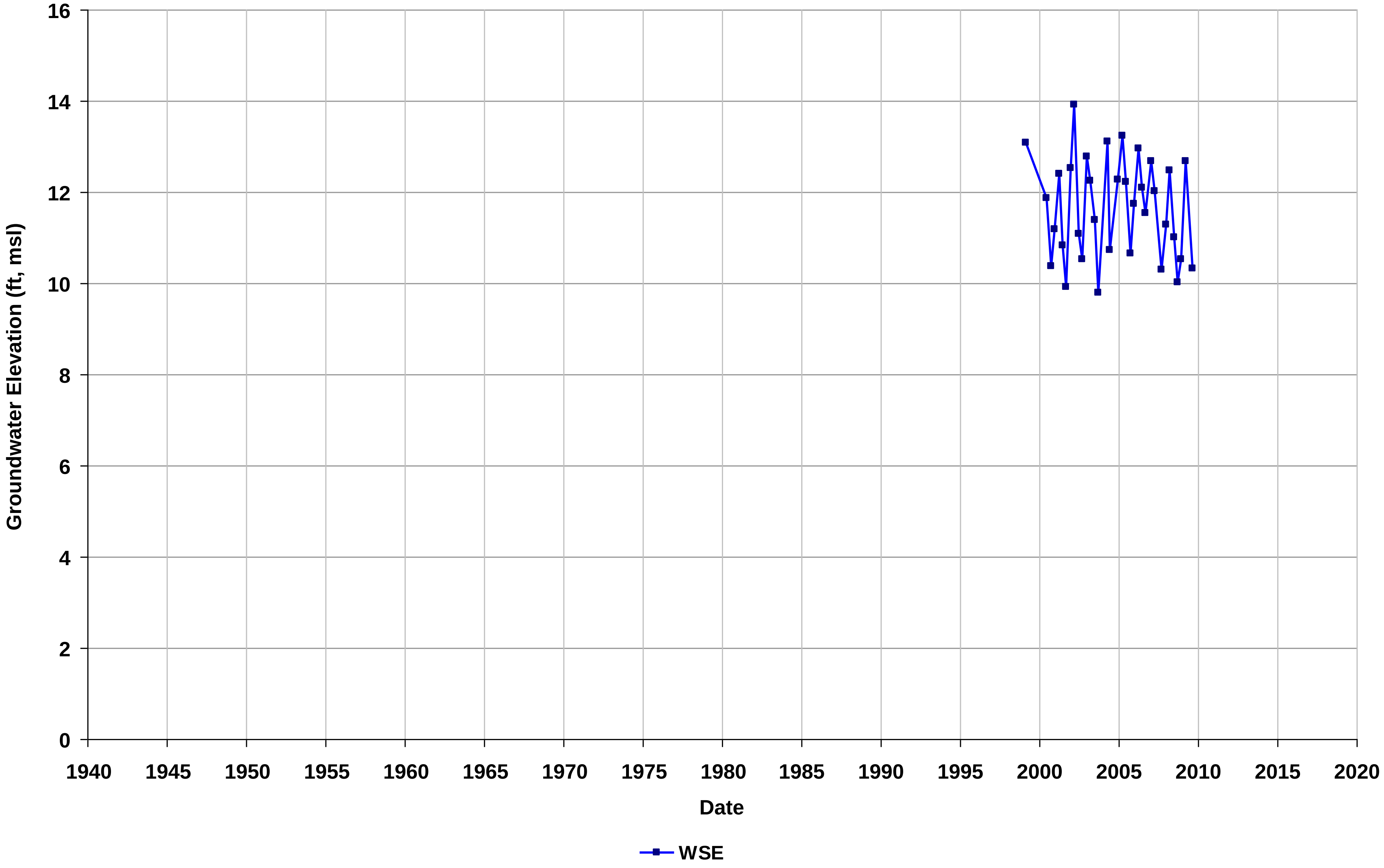
Well Name: T0600102095-MPE-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/24
Well Use: Observation



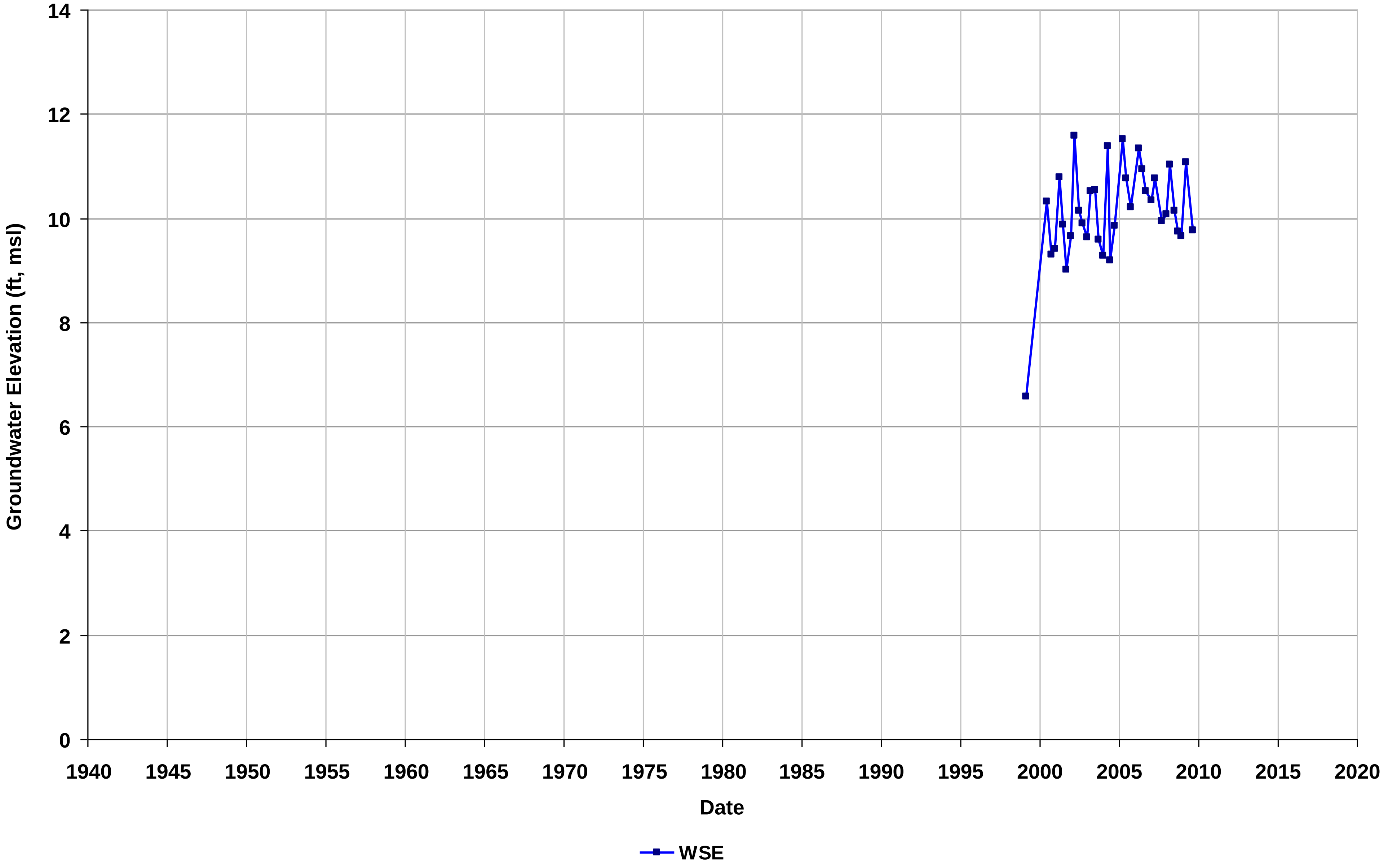
Well Name: T0600102114-MW-01
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/07
Well Use: Observation



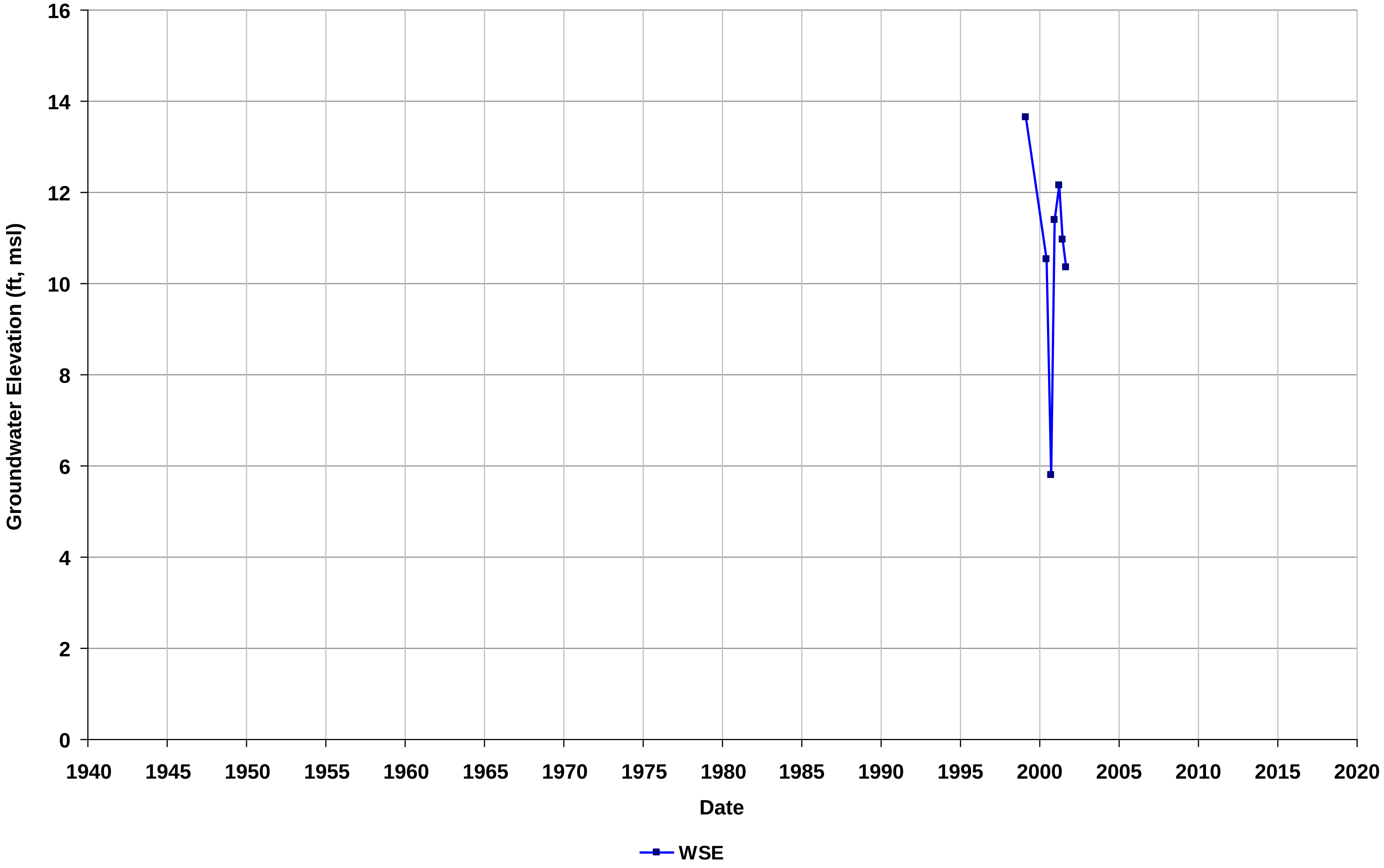
Well Name: T0600102114-MW-02
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/07
Well Use: Observation



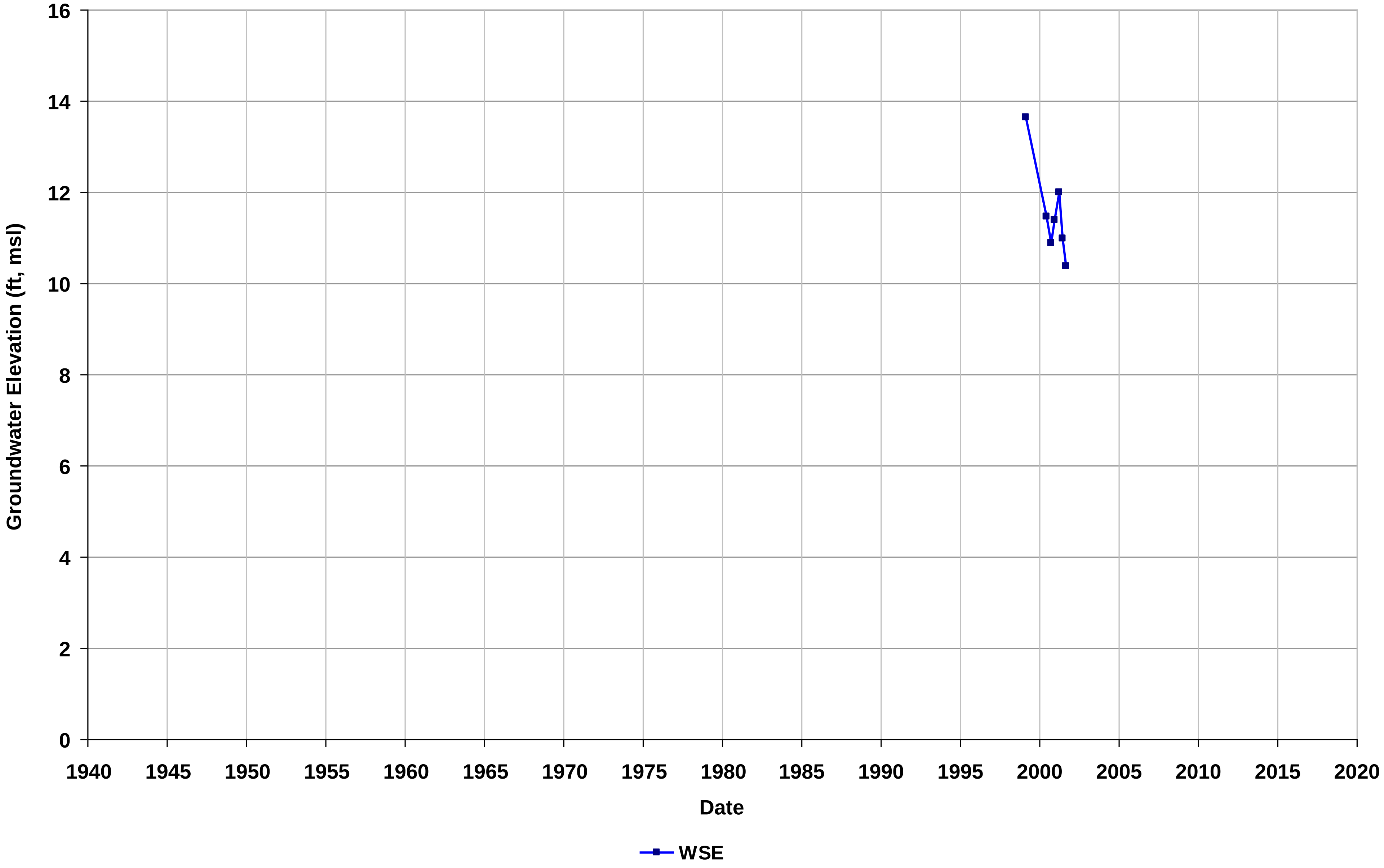
Well Name: T0600102114-MW-03
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/07
Well Use: Observation



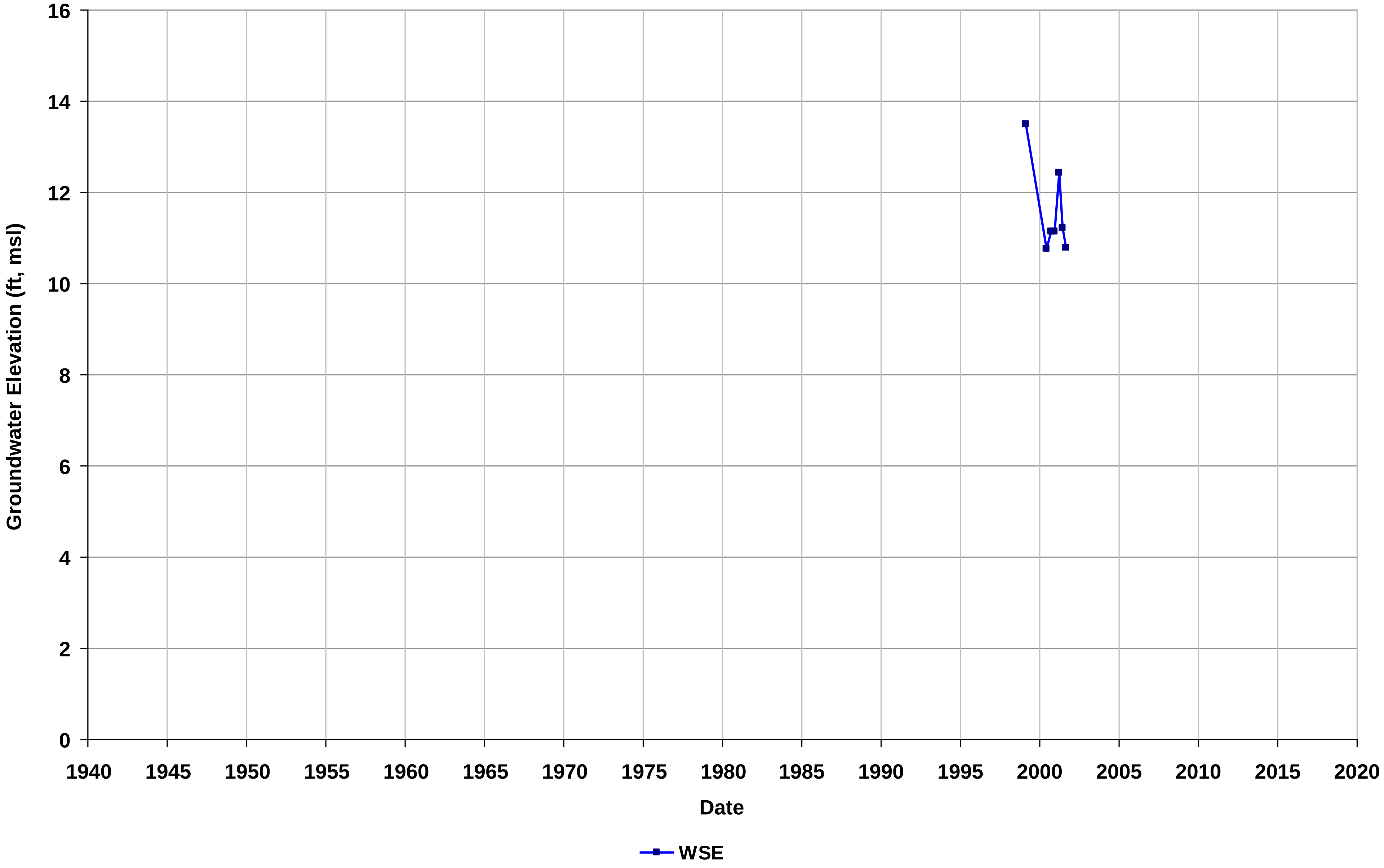
Well Name: T0600102114-MW-04
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/07
Well Use: Observation



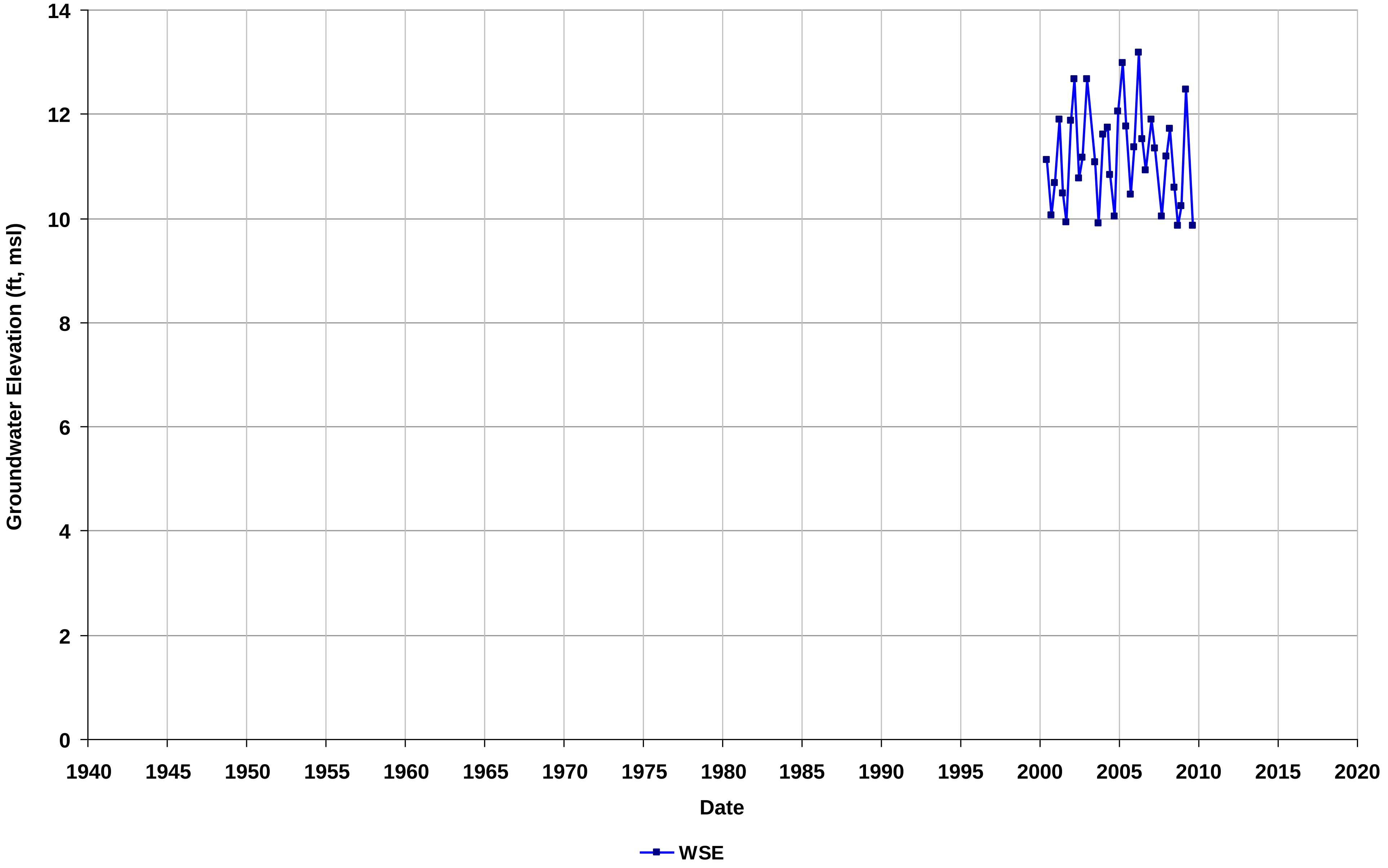
Well Name: T0600102114-MW-05
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/07
Well Use: Observation



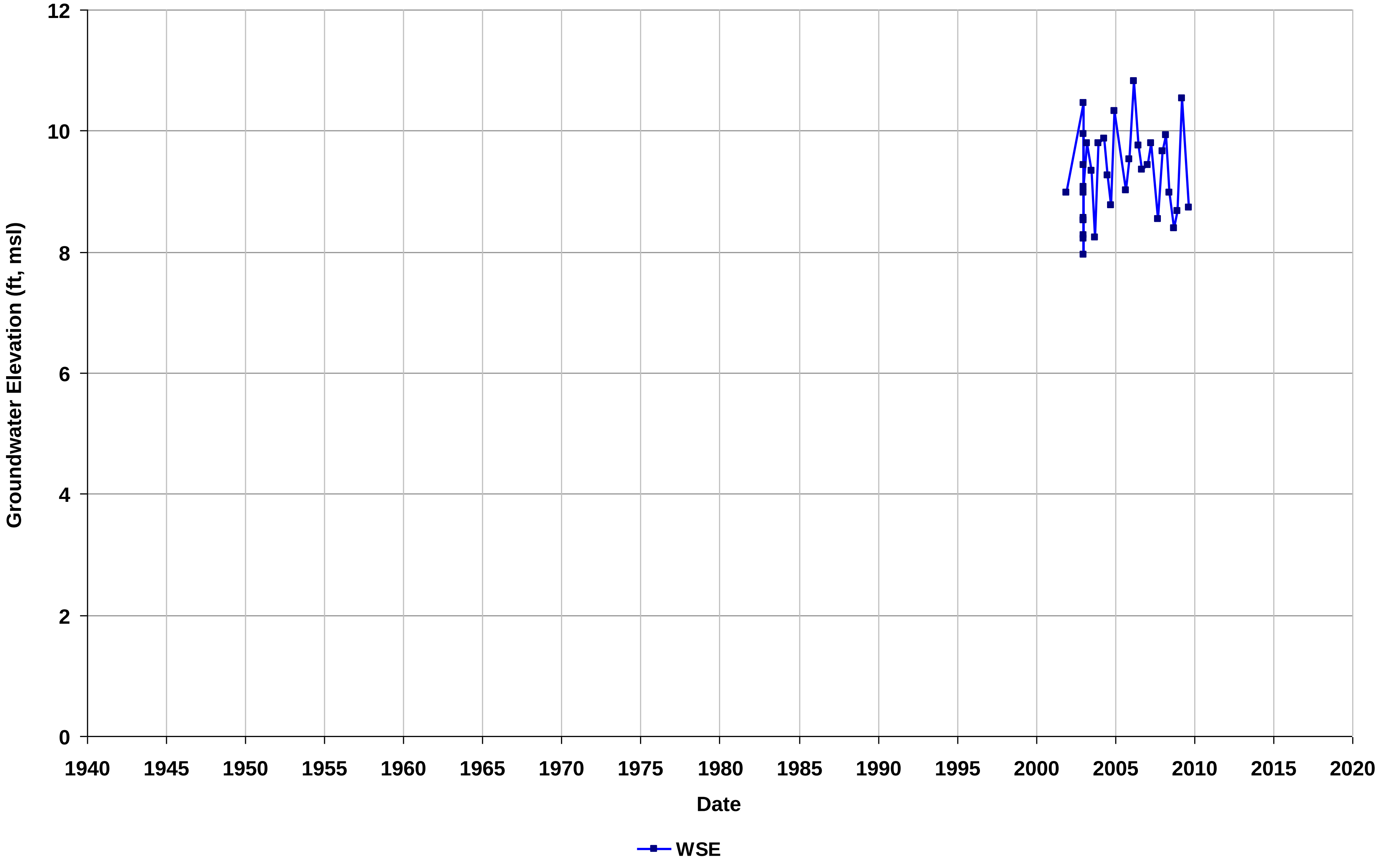
Well Name: T0600102114-MW-06
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/07
Well Use: Observation



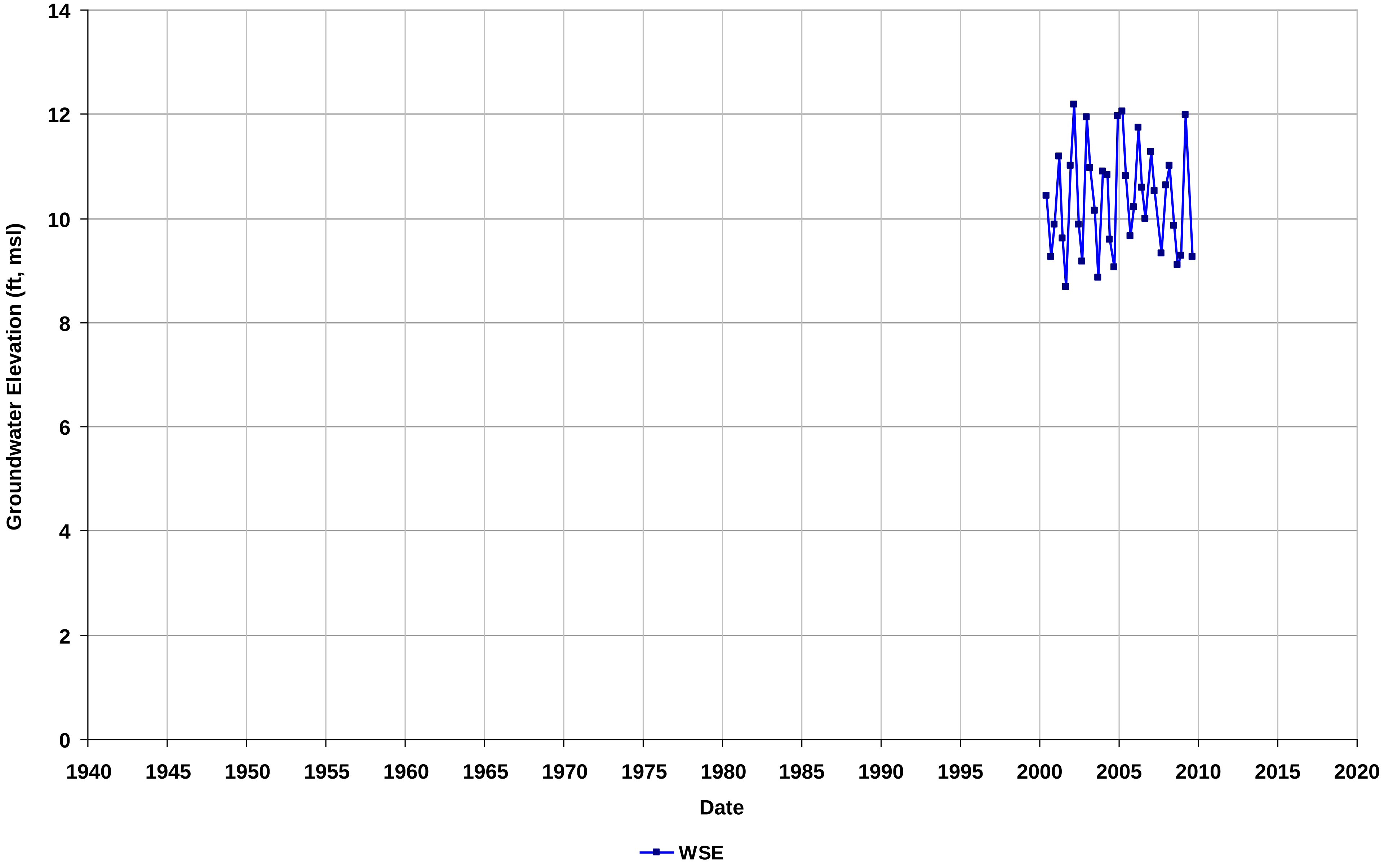
Well Name: T0600102114-MW-07
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/07
Well Use: Observation



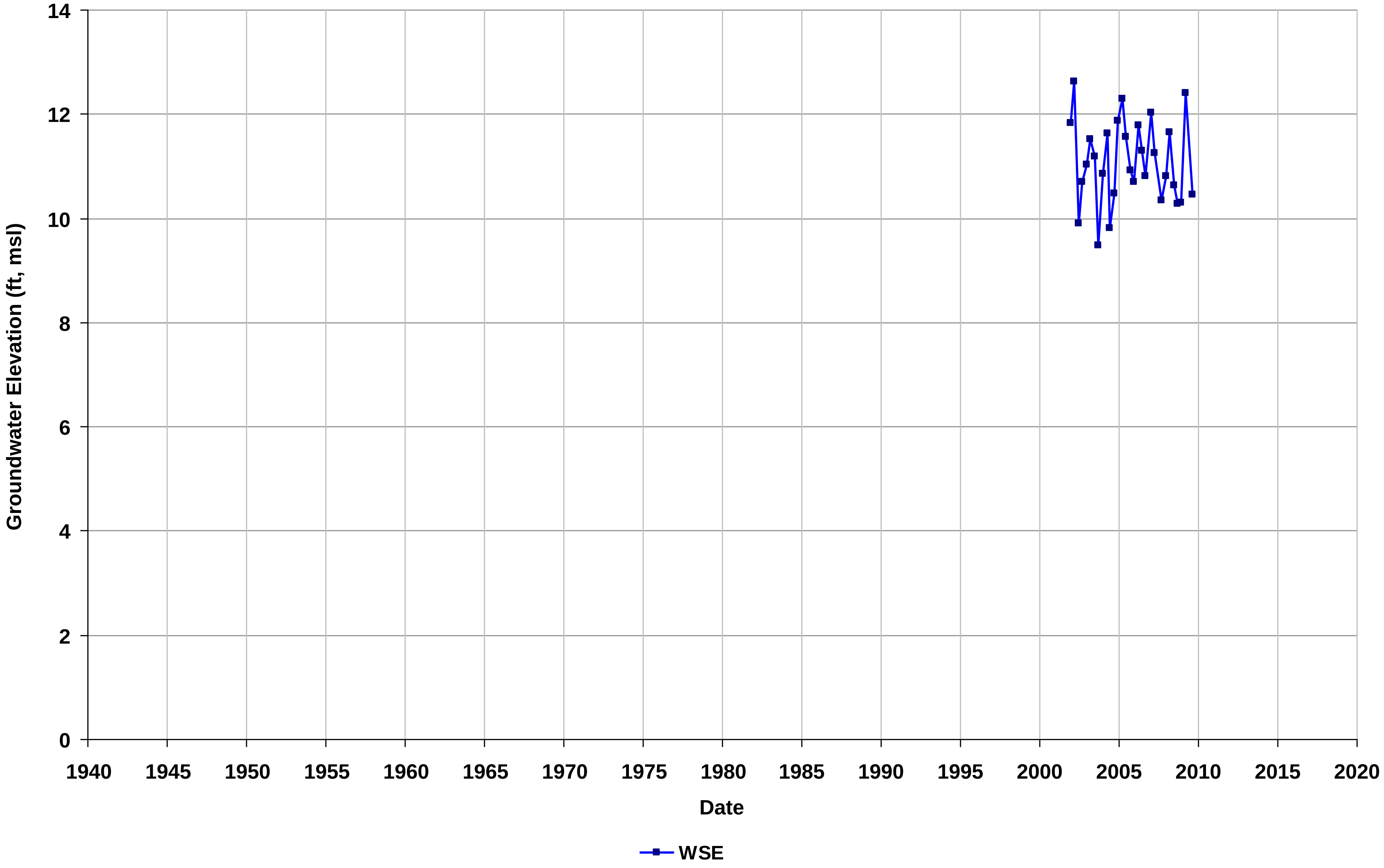
Well Name: T0600102114-MW-08
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/07
Well Use: Observation



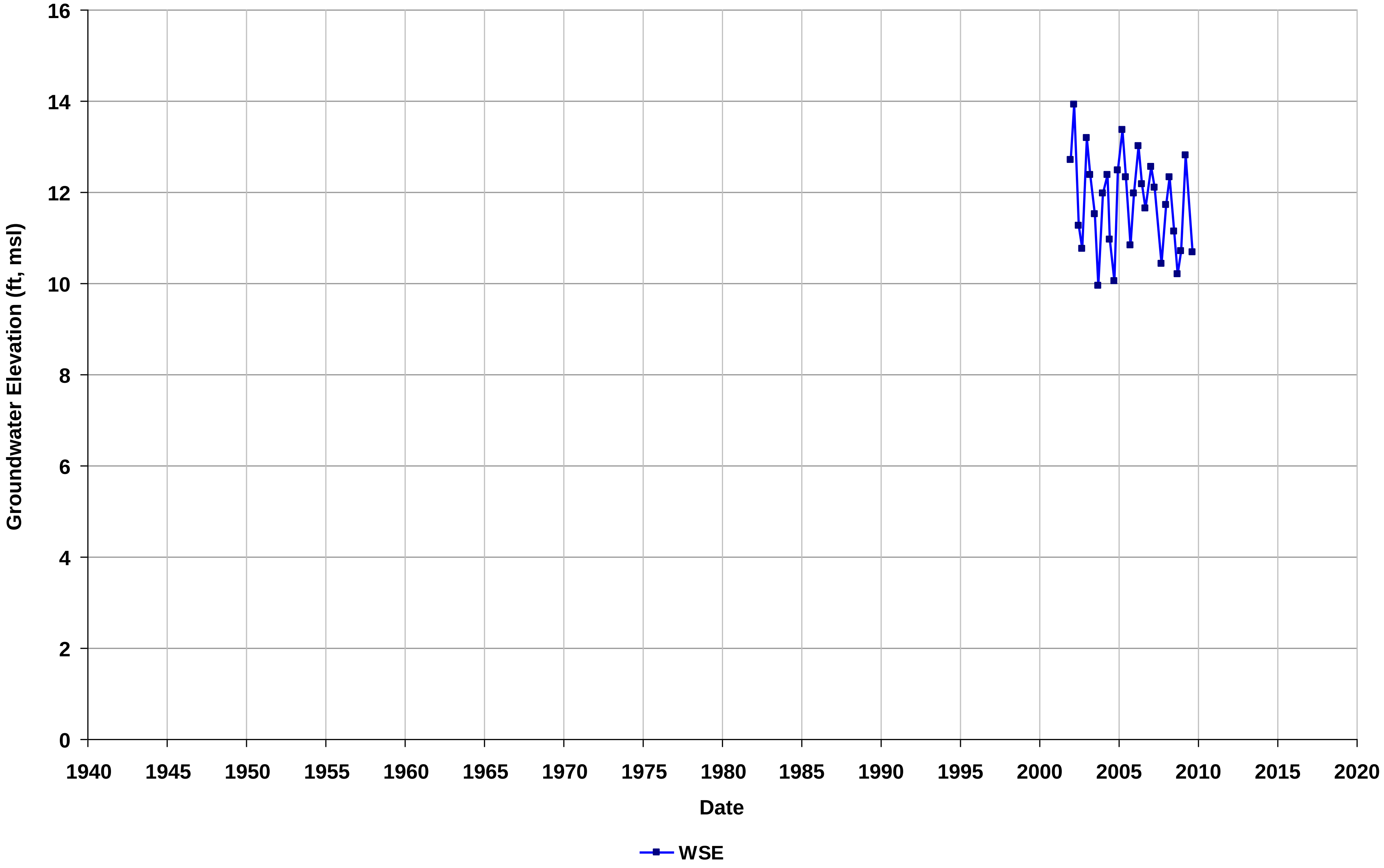
Well Name: T0600102114-MW-09
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/07
Well Use: Observation



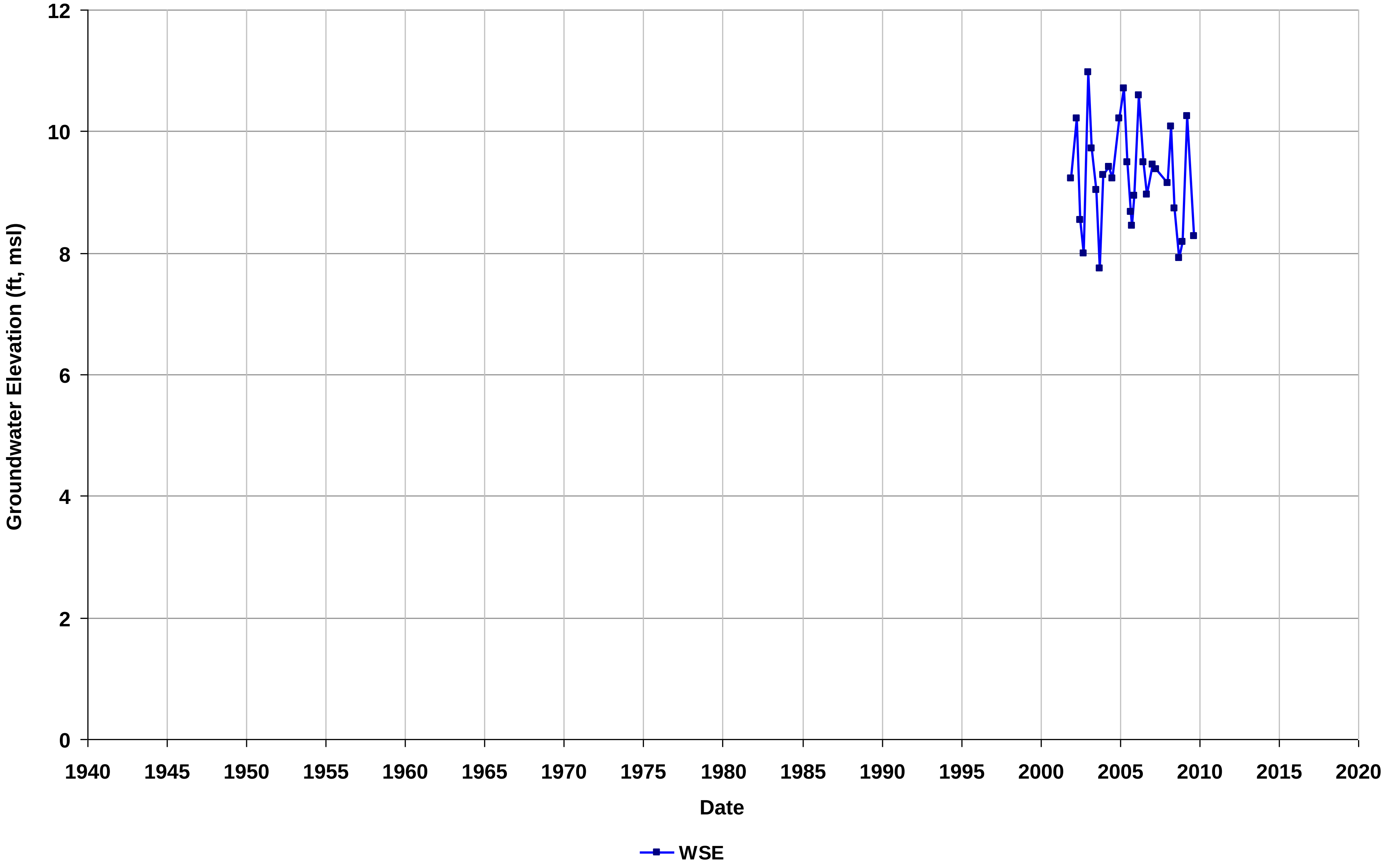
Well Name: T0600102114-MW-10
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/07
Well Use: Observation



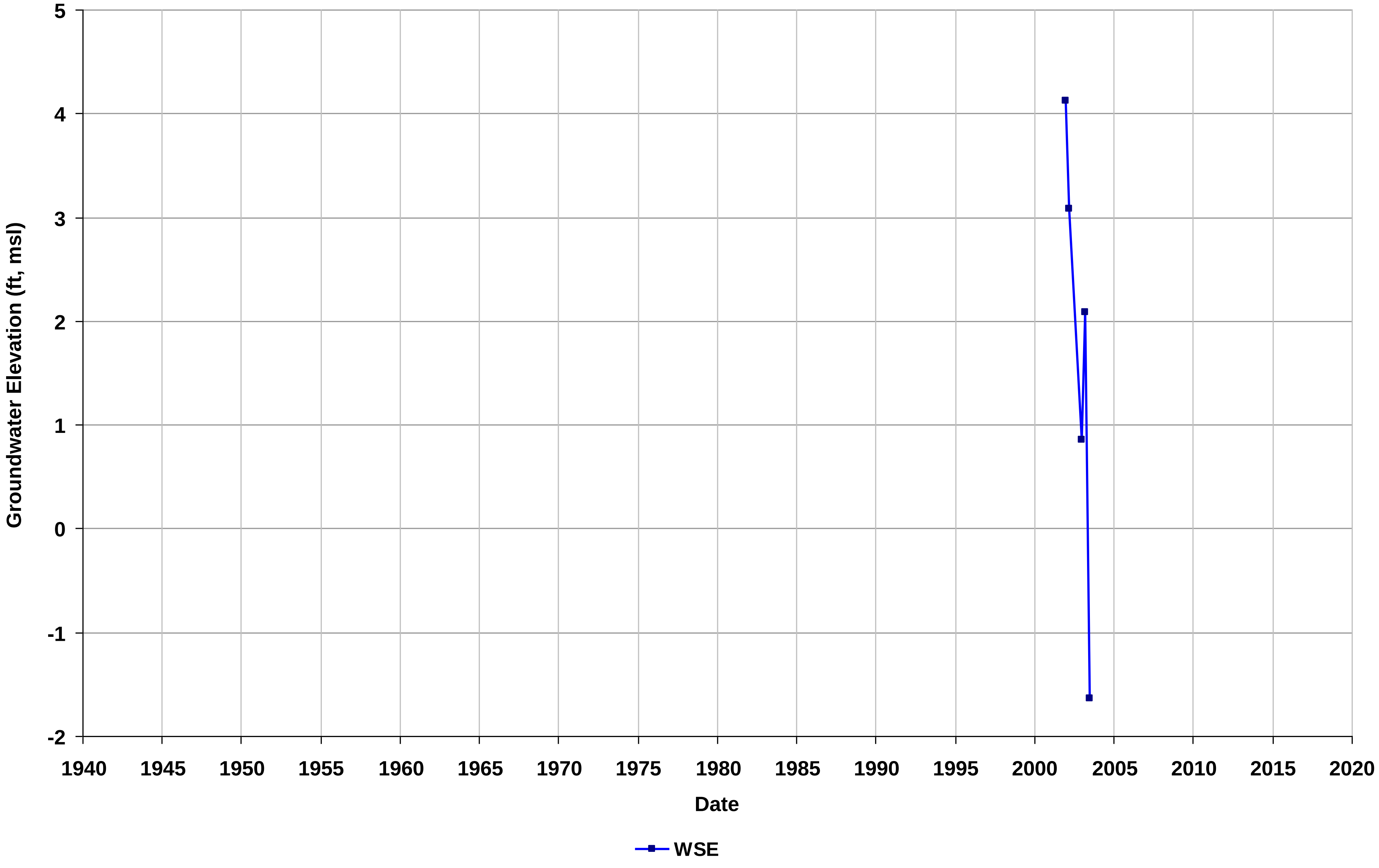
Well Name: T0600102114-MW-11
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/07
Well Use: Observation



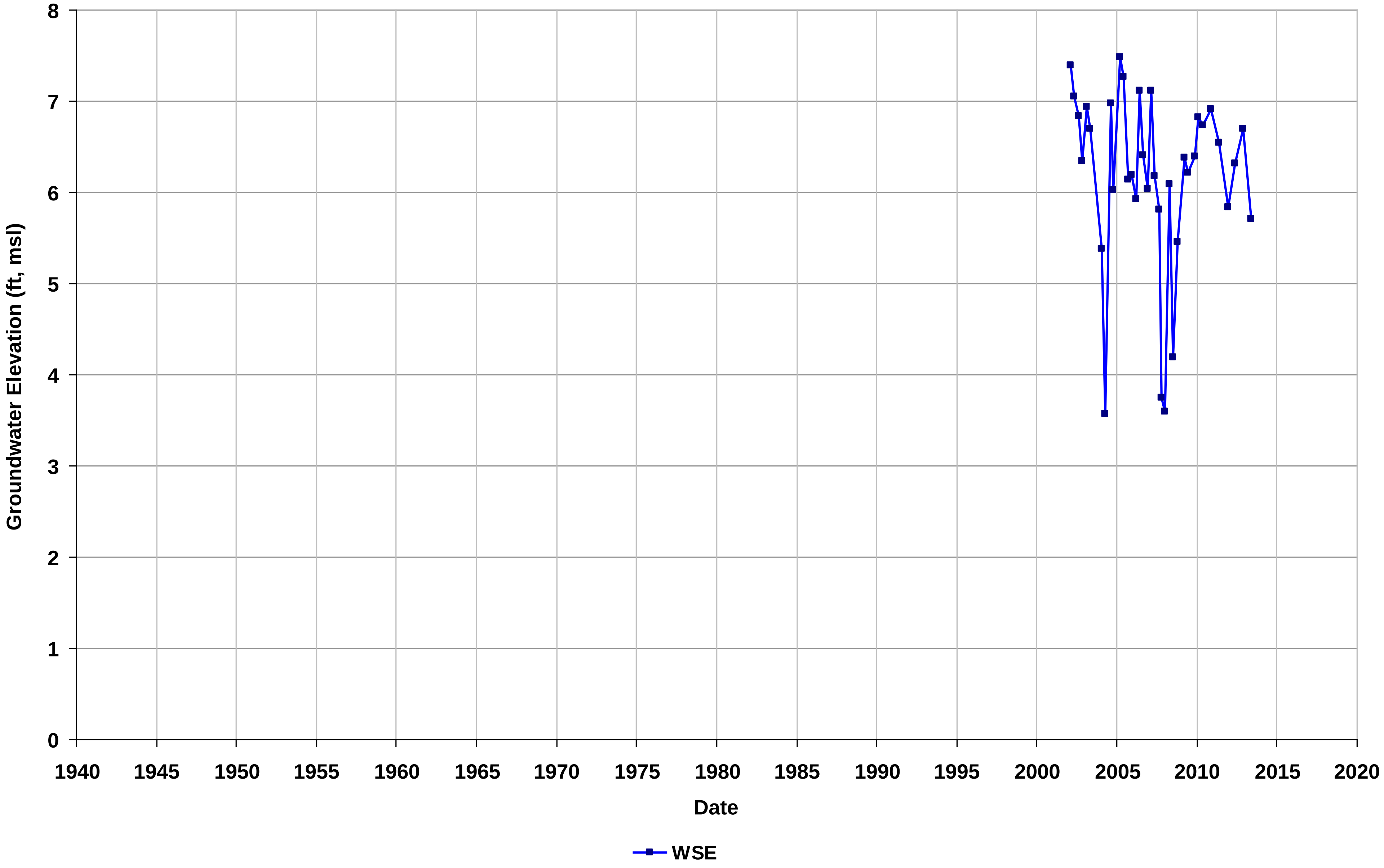
Well Name: T0600102123-BW-B
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/21
Well Use: Observation



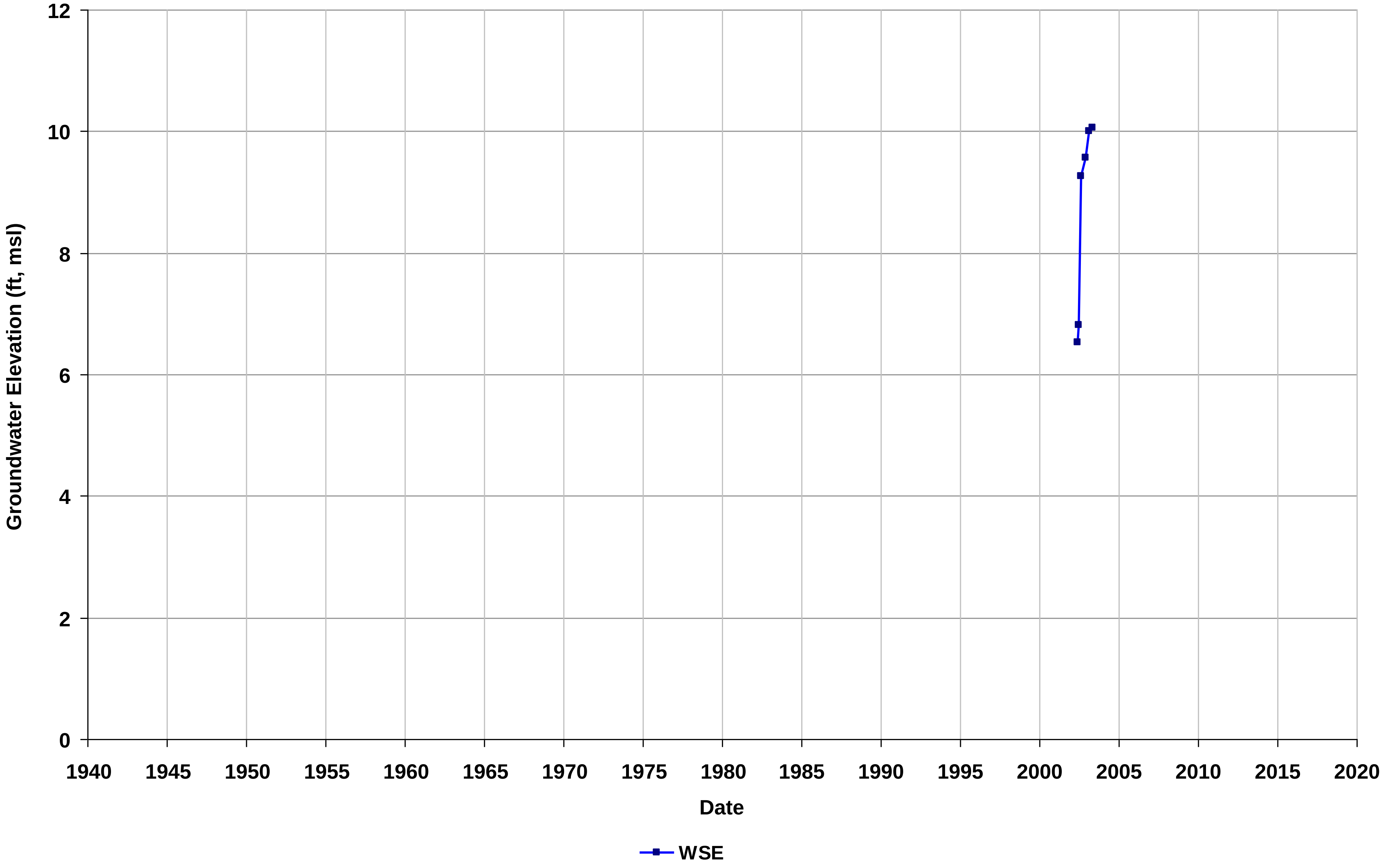
Well Name: T0600102136-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/34
Well Use: Observation



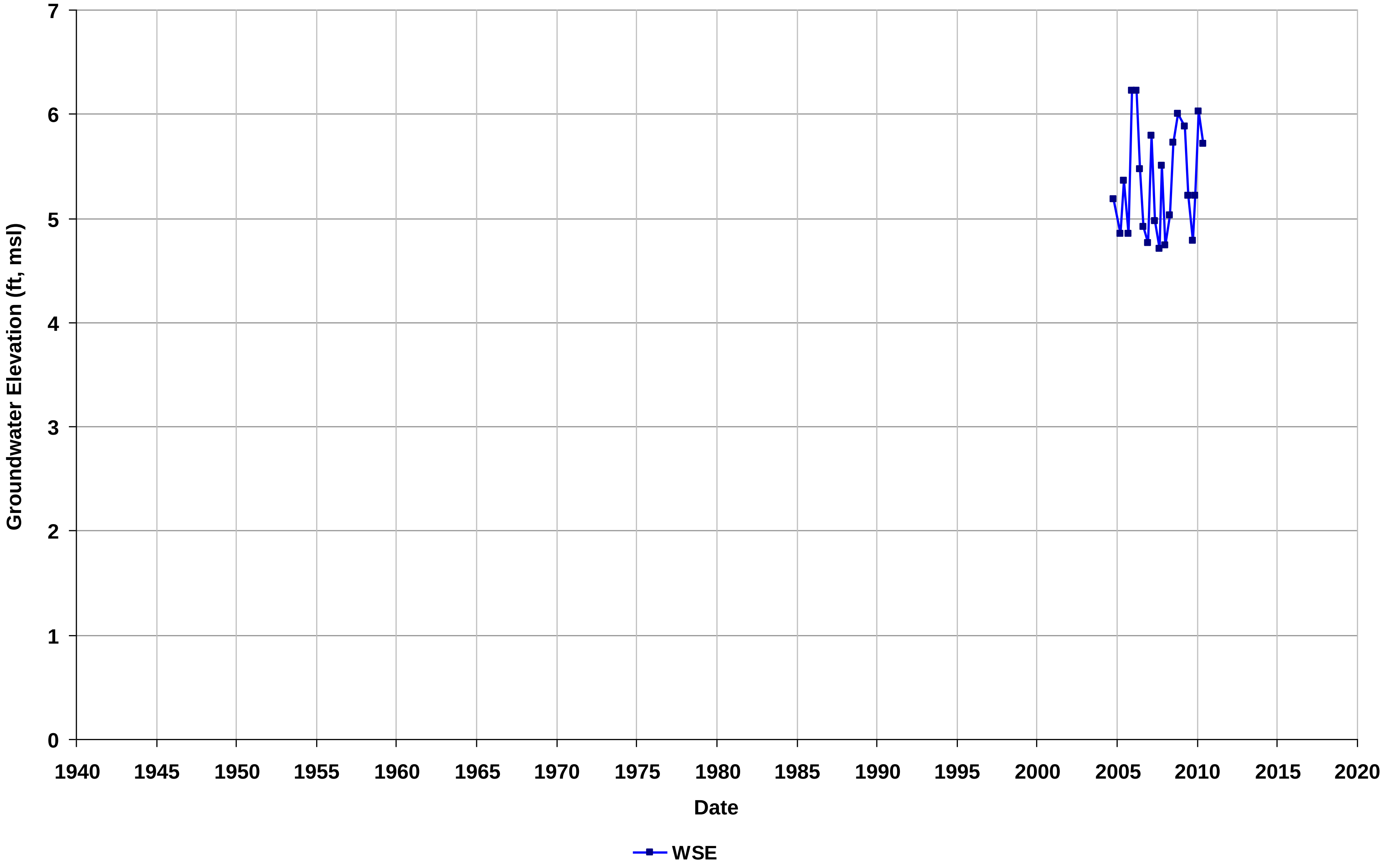
Well Name: T0600102136-MW-10
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/34
Well Use: Observation



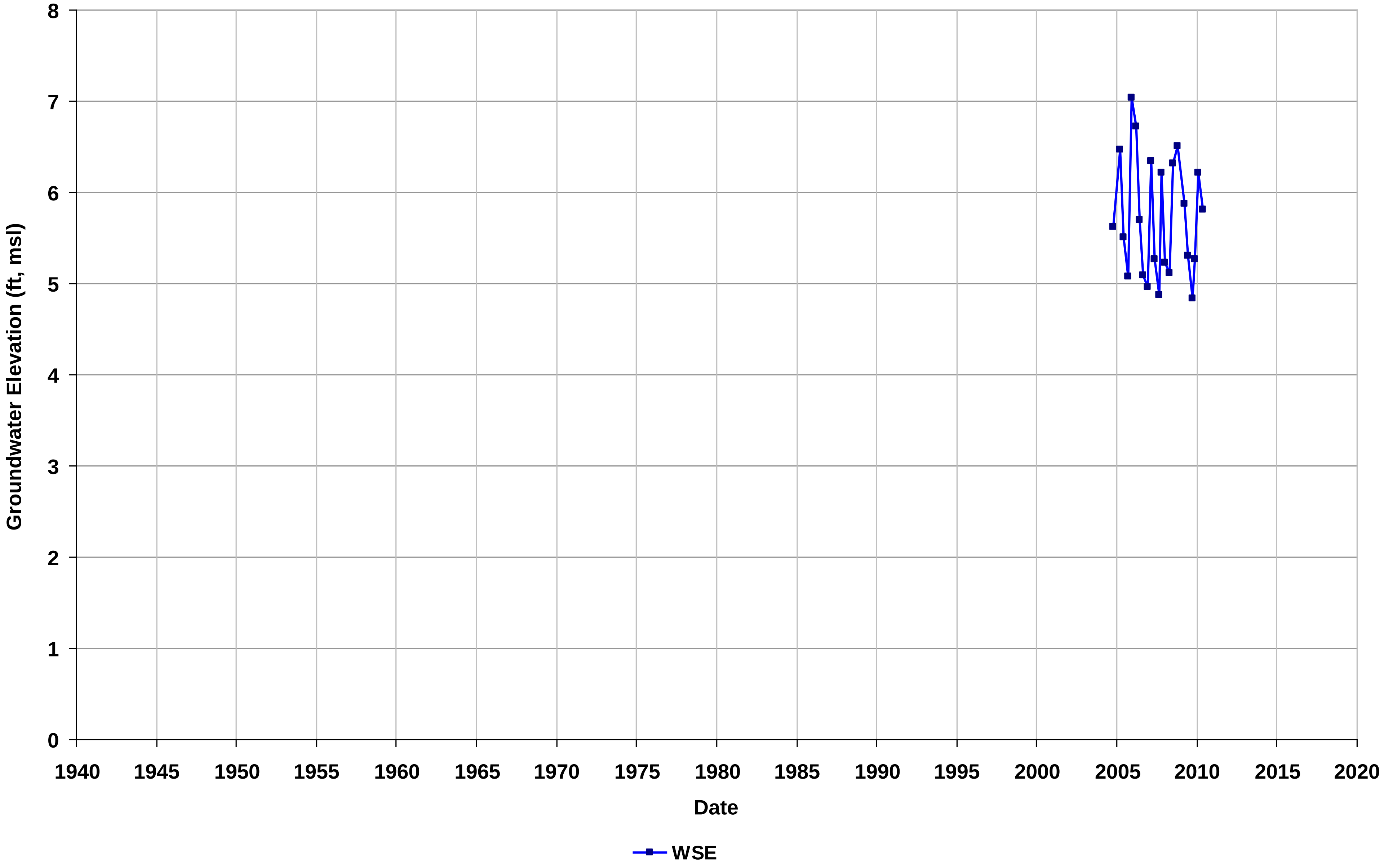
Well Name: T0600102136-MW12
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/34
Well Use: Observation



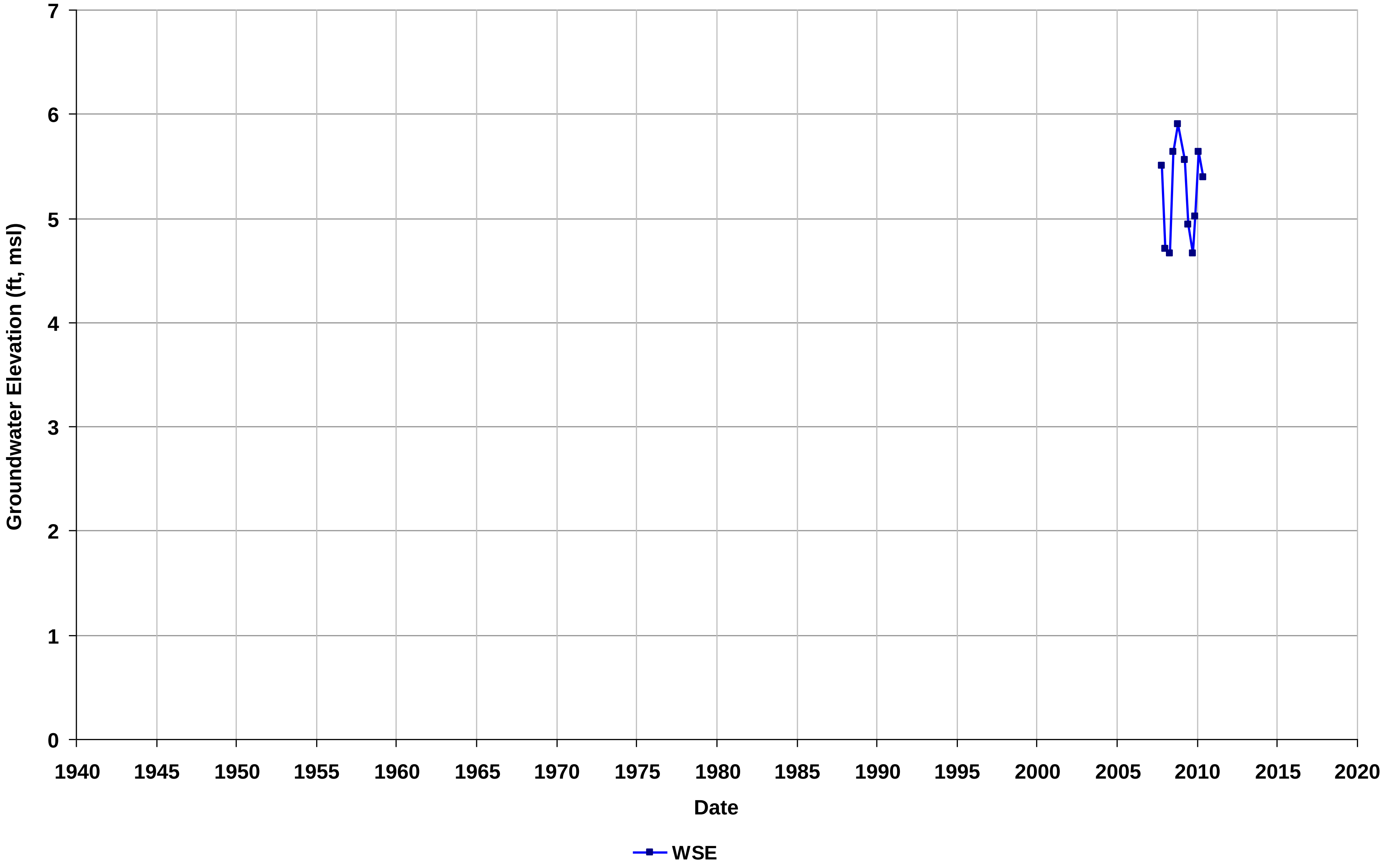
Well Name: T0600102136-MW13
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/34
Well Use: Observation



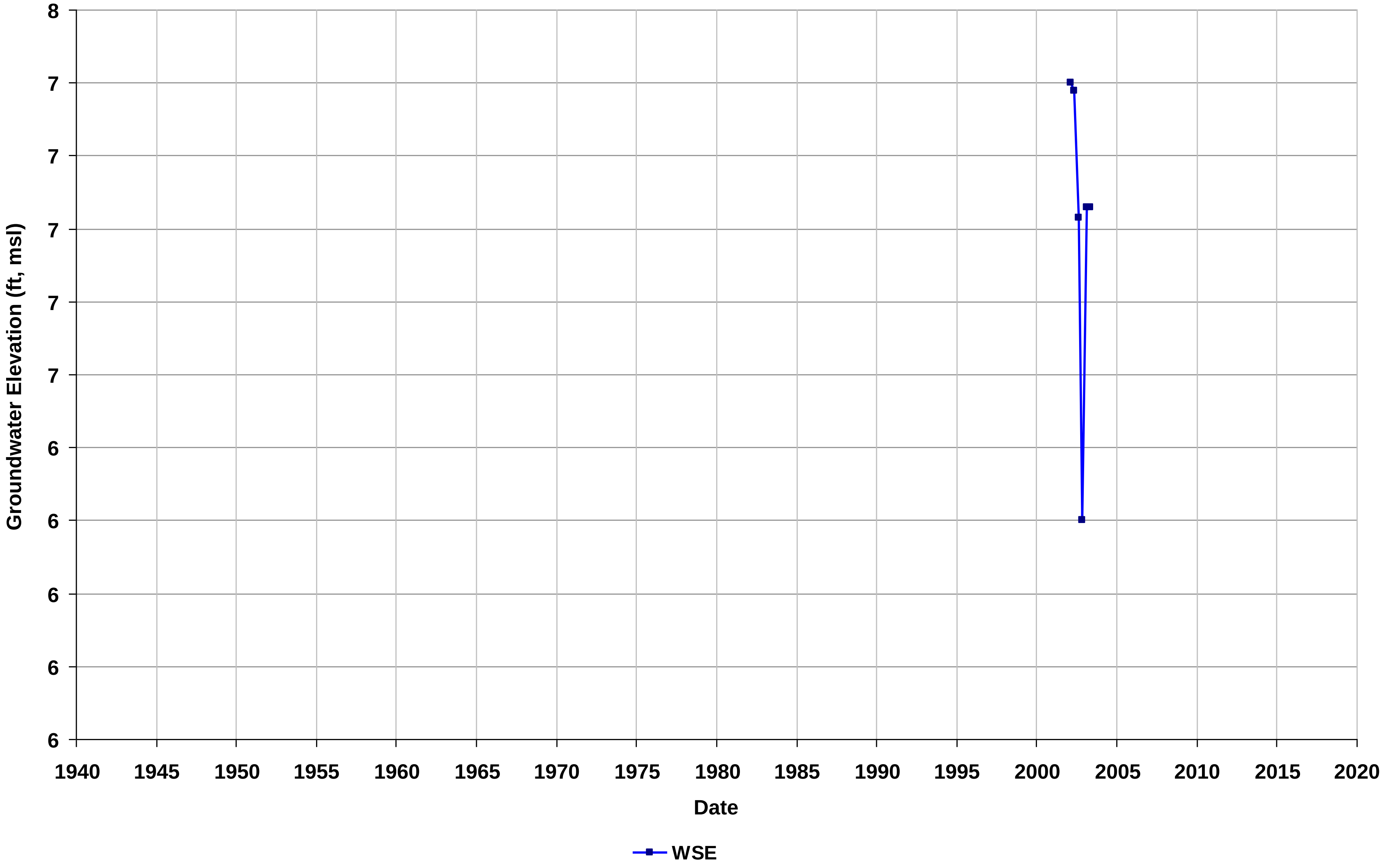
Well Name: T0600102136-MW16
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/34
Well Use: Observation



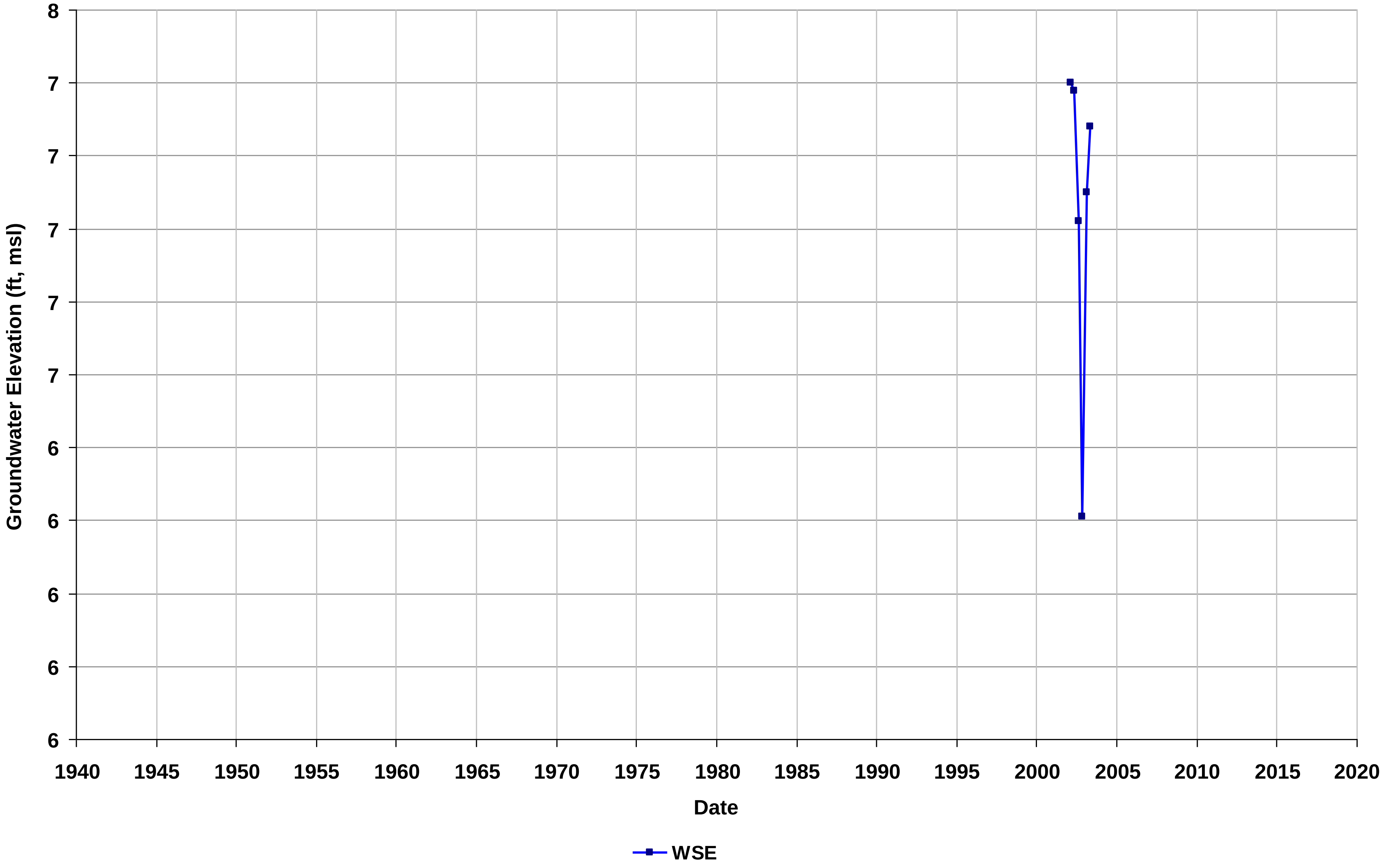
Well Name: T0600102136-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/34
Well Use: Observation



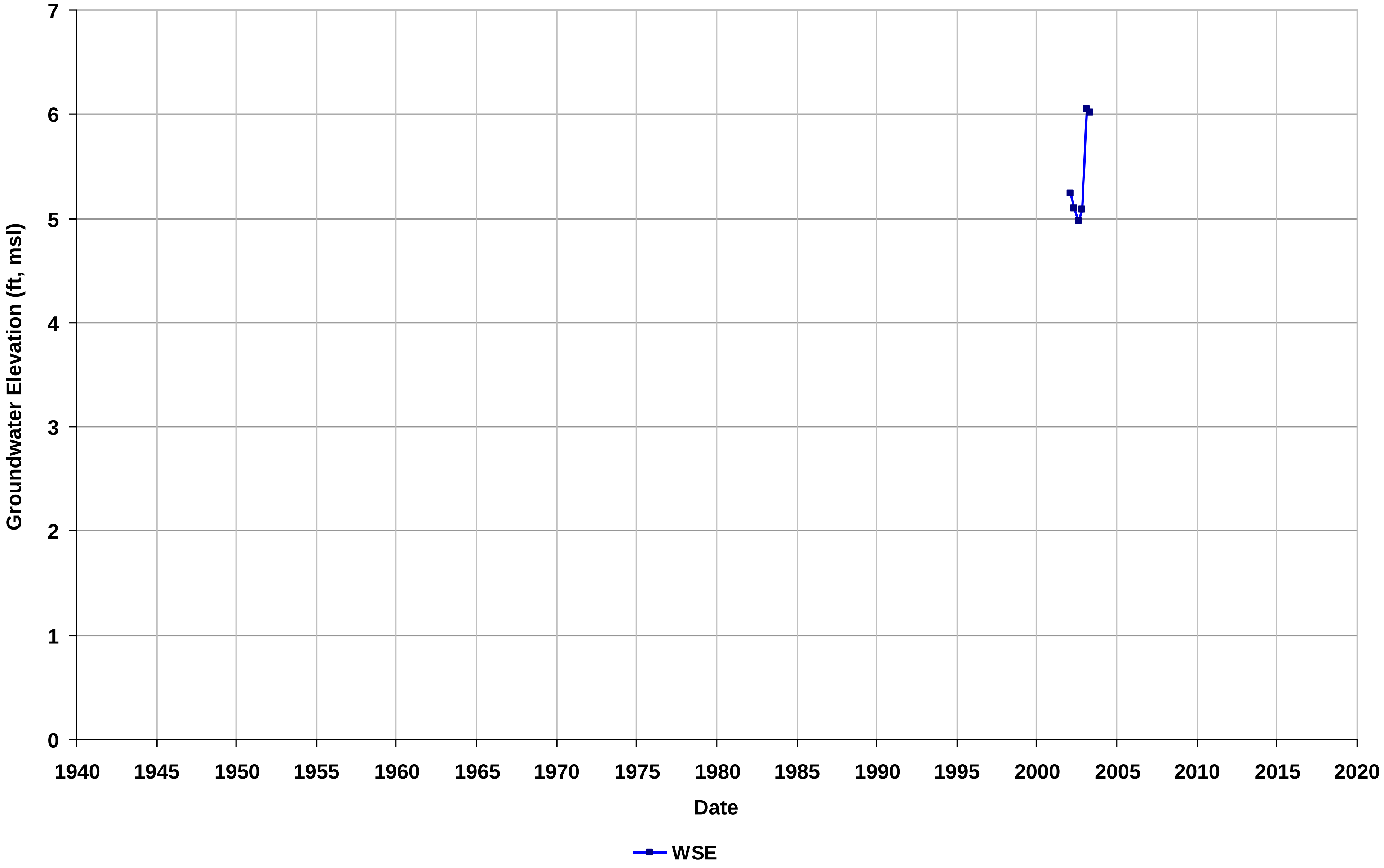
Well Name: T0600102136-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/34
Well Use: Observation



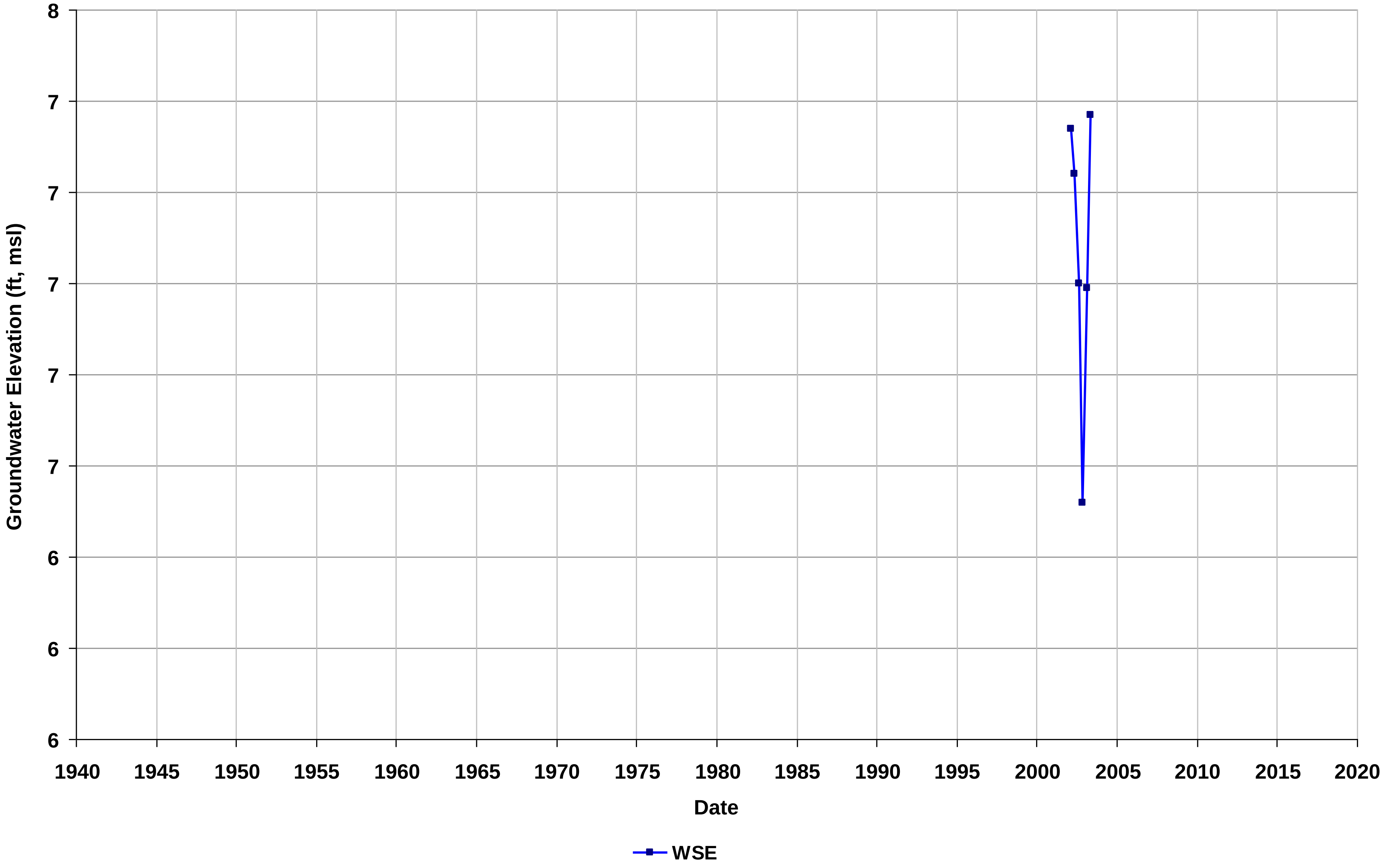
Well Name: T0600102136-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/34
Well Use: Observation



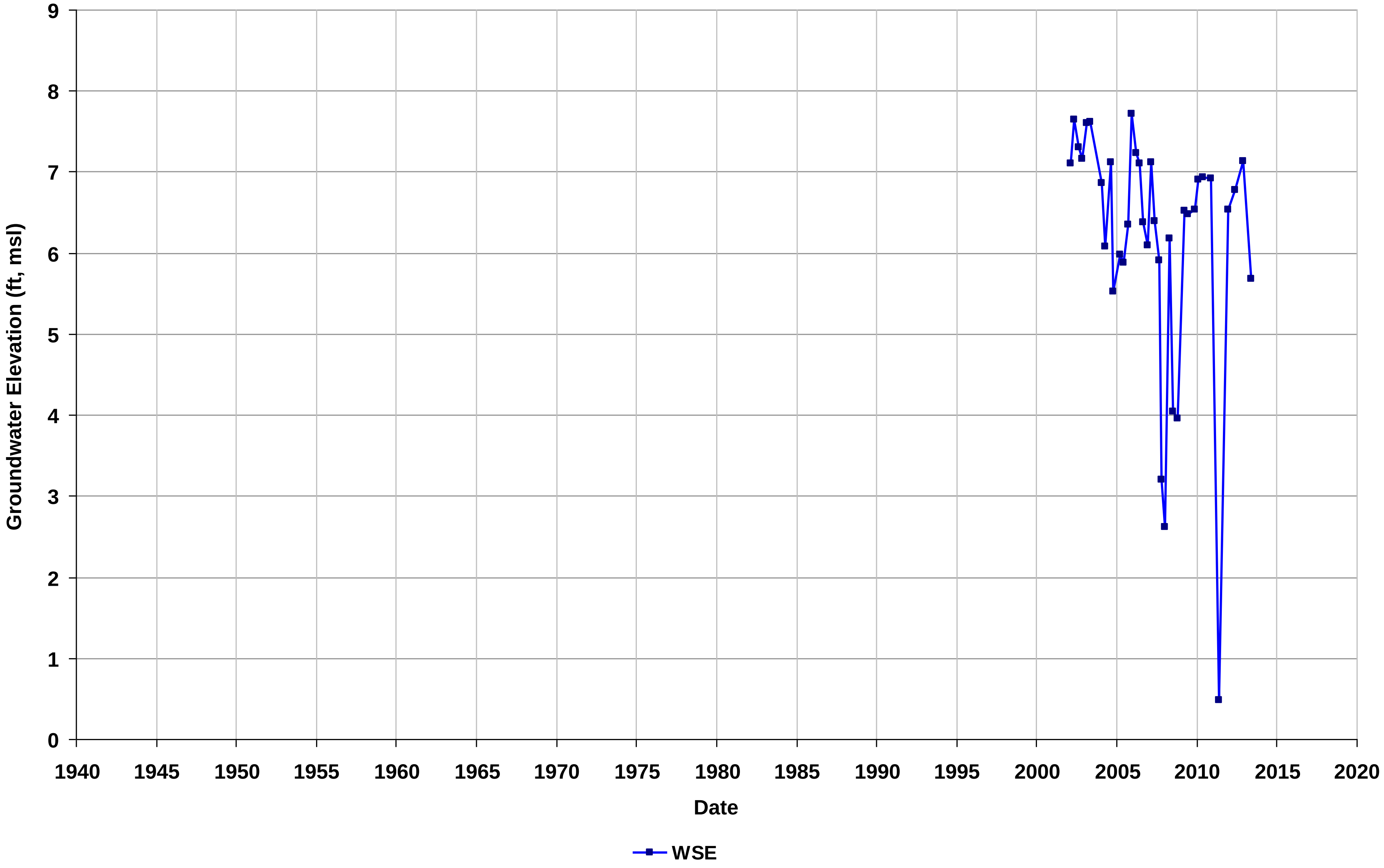
Well Name: T0600102136-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/34
Well Use: Observation



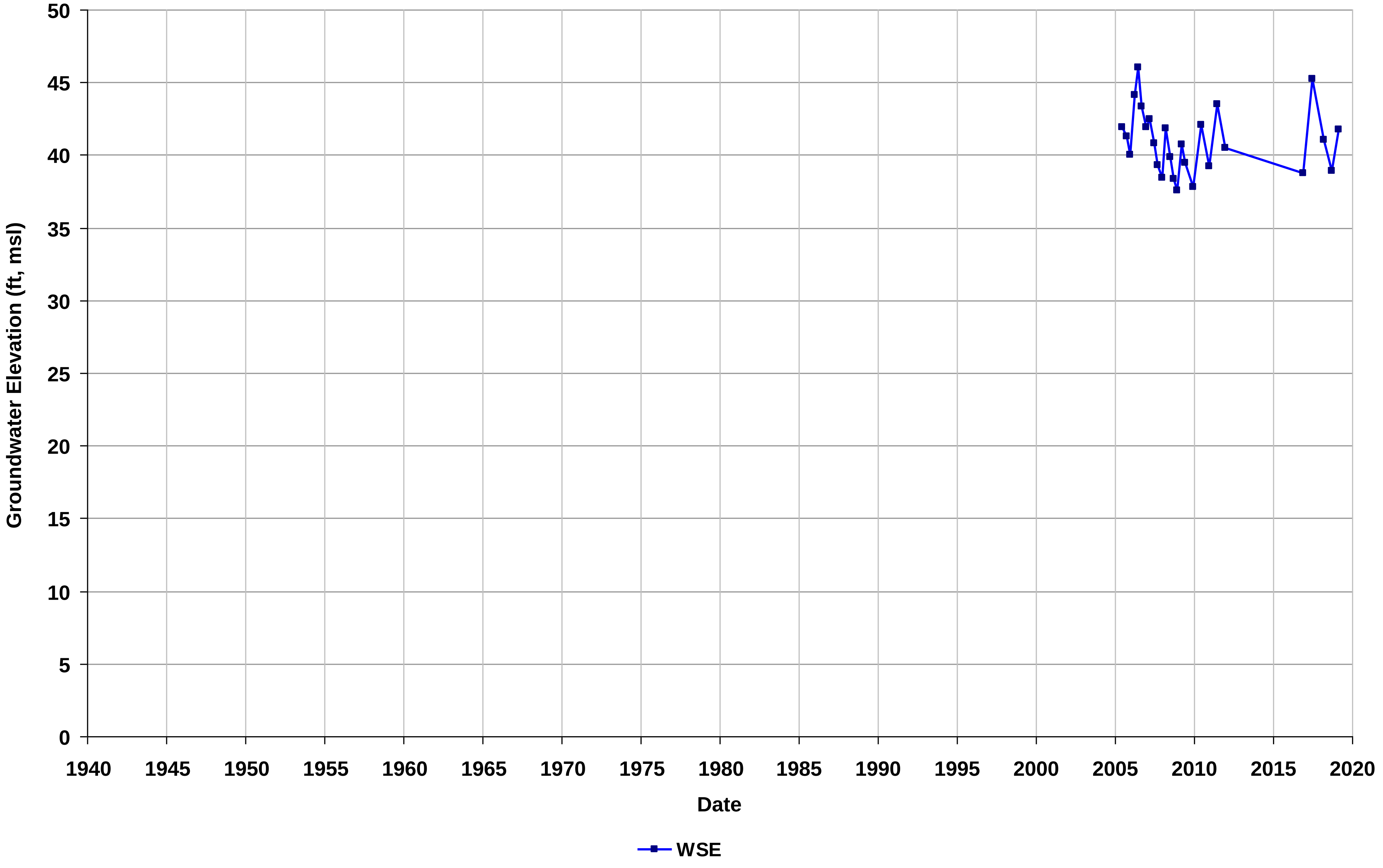
Well Name: T0600102136-MW-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/34
Well Use: Observation



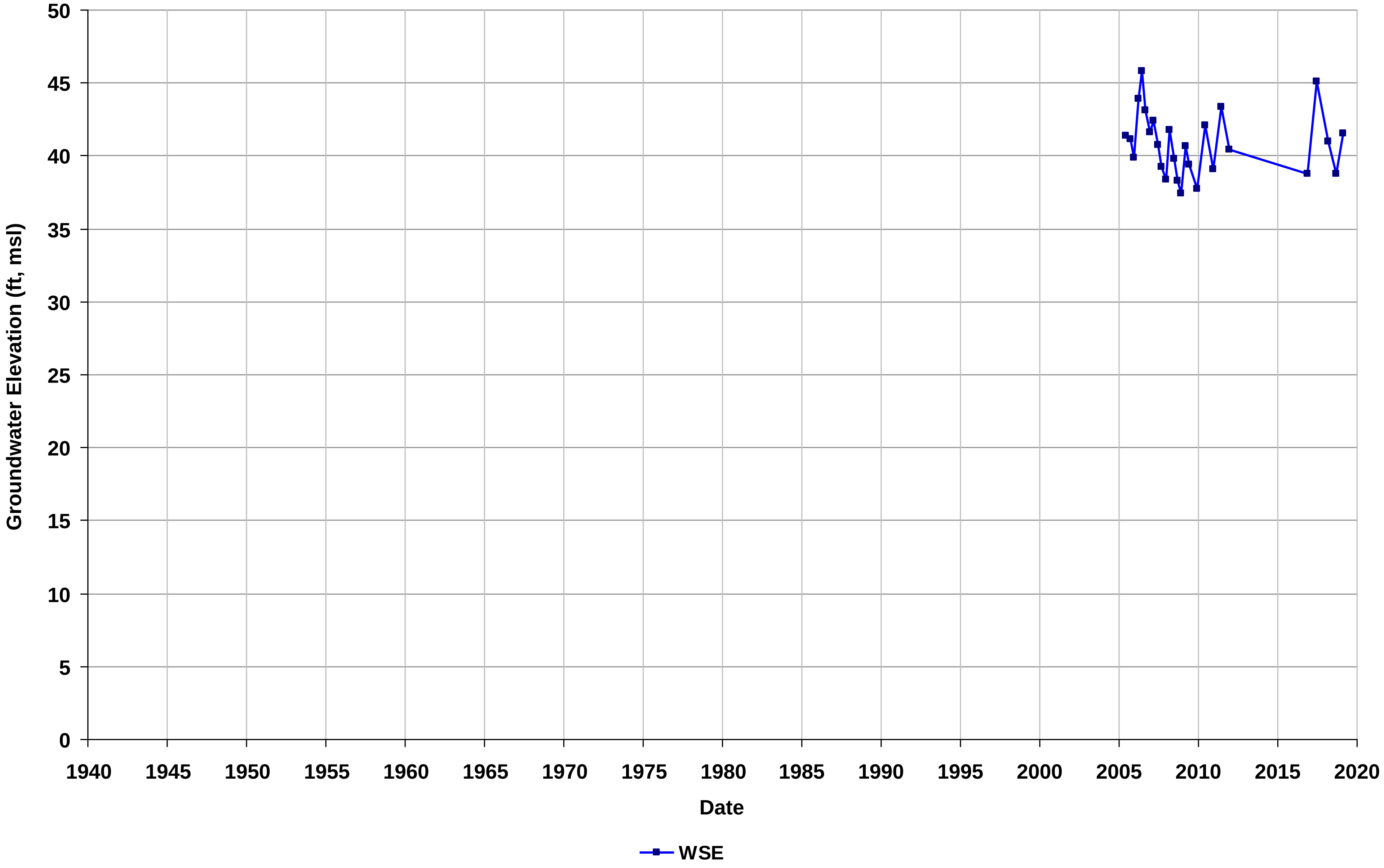
Well Name: T0600102154-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/08
Well Use: Observation



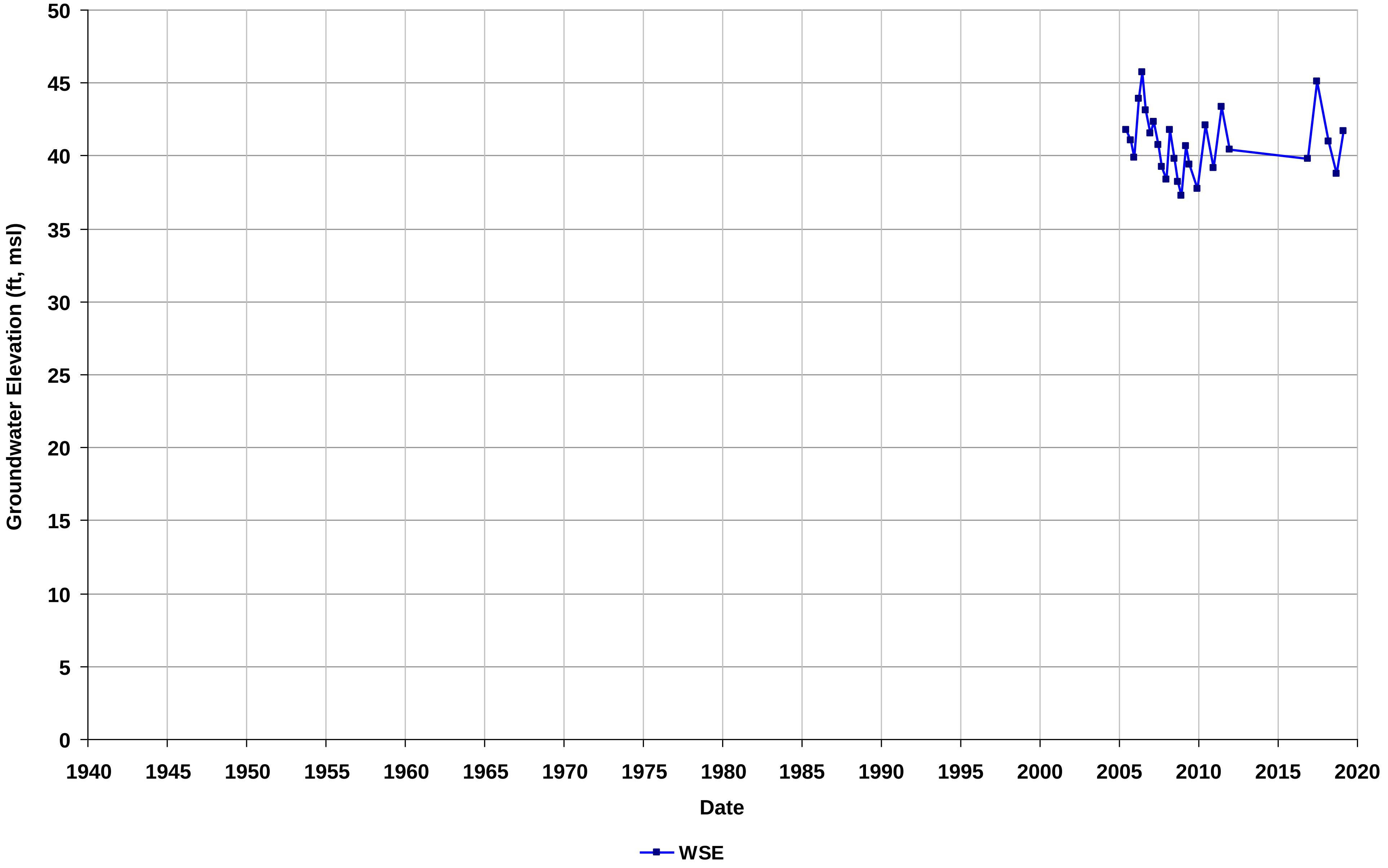
Well Name: T0600102154-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/08
Well Use: Observation



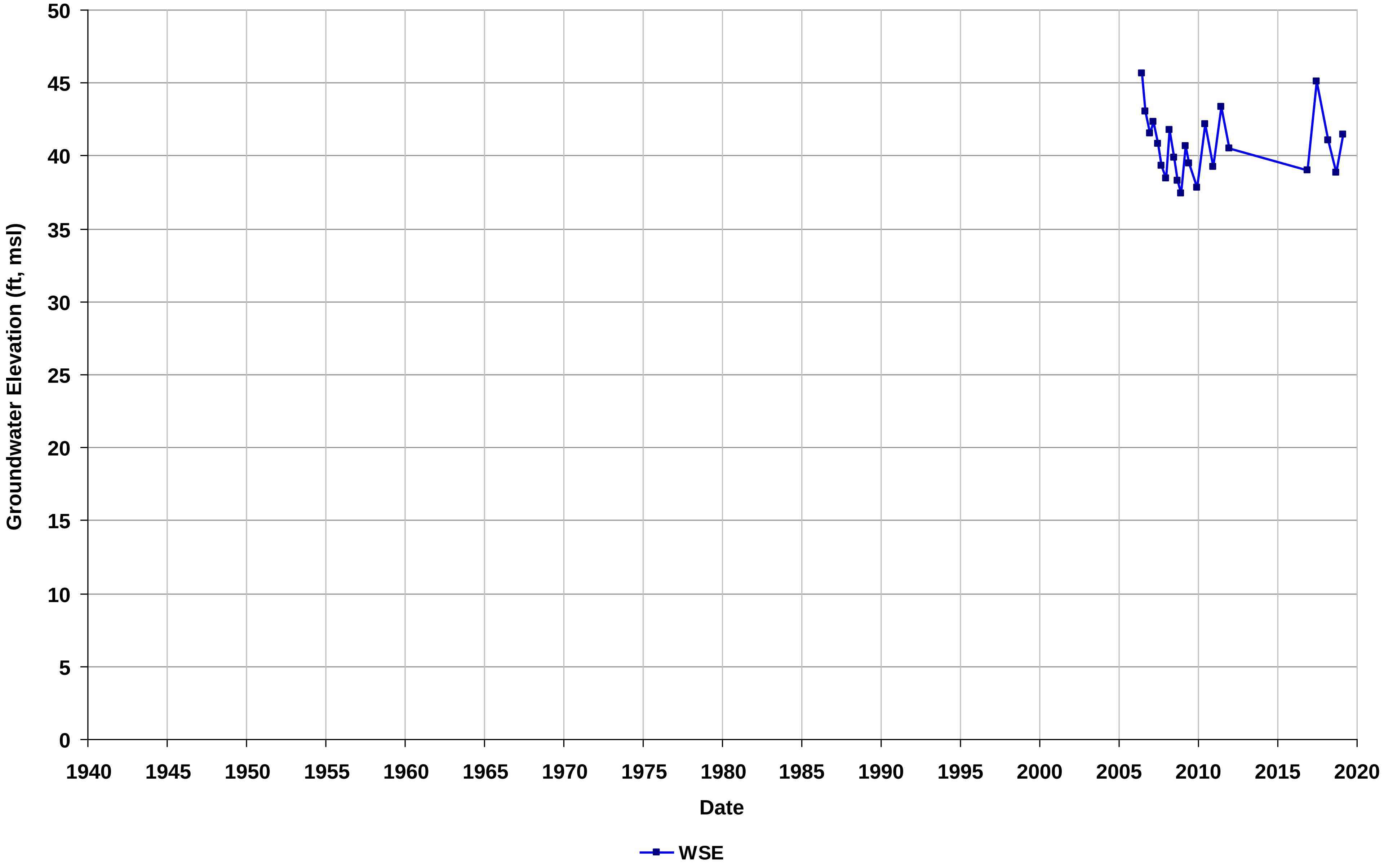
Well Name: T0600102154-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/08
Well Use: Observation



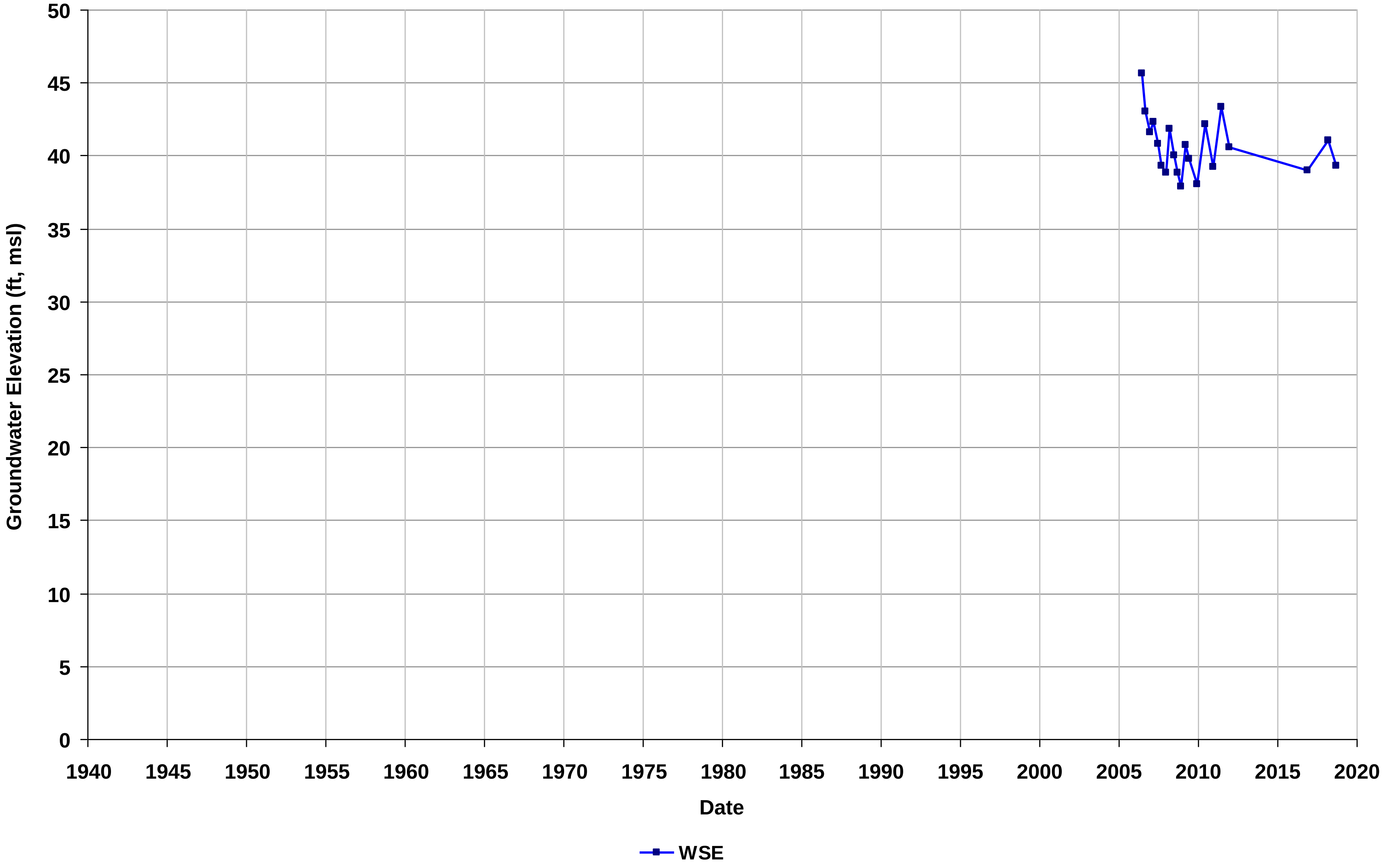
Well Name: T0600102154-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/08
Well Use: Observation



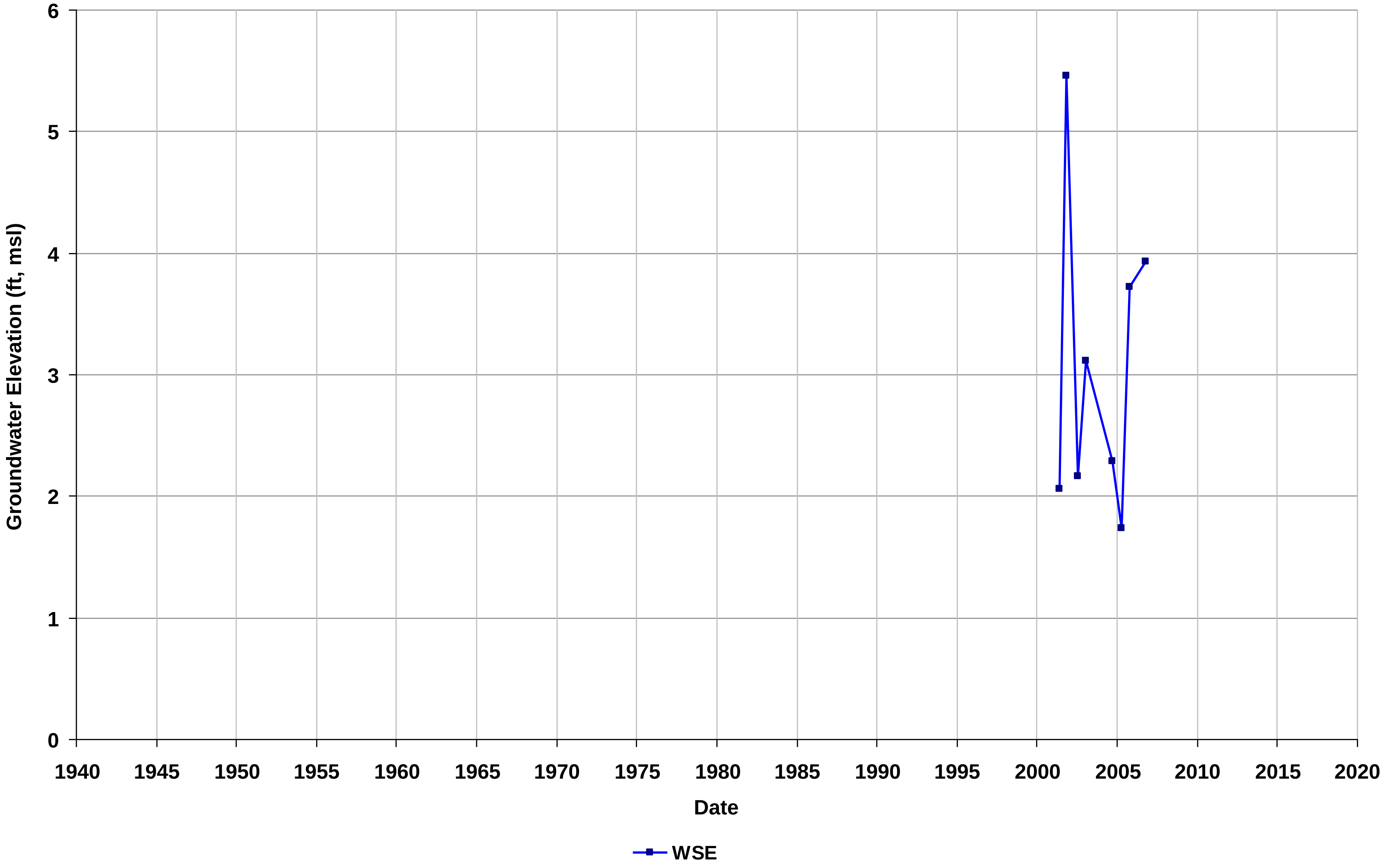
Well Name: T0600102154-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/08
Well Use: Observation



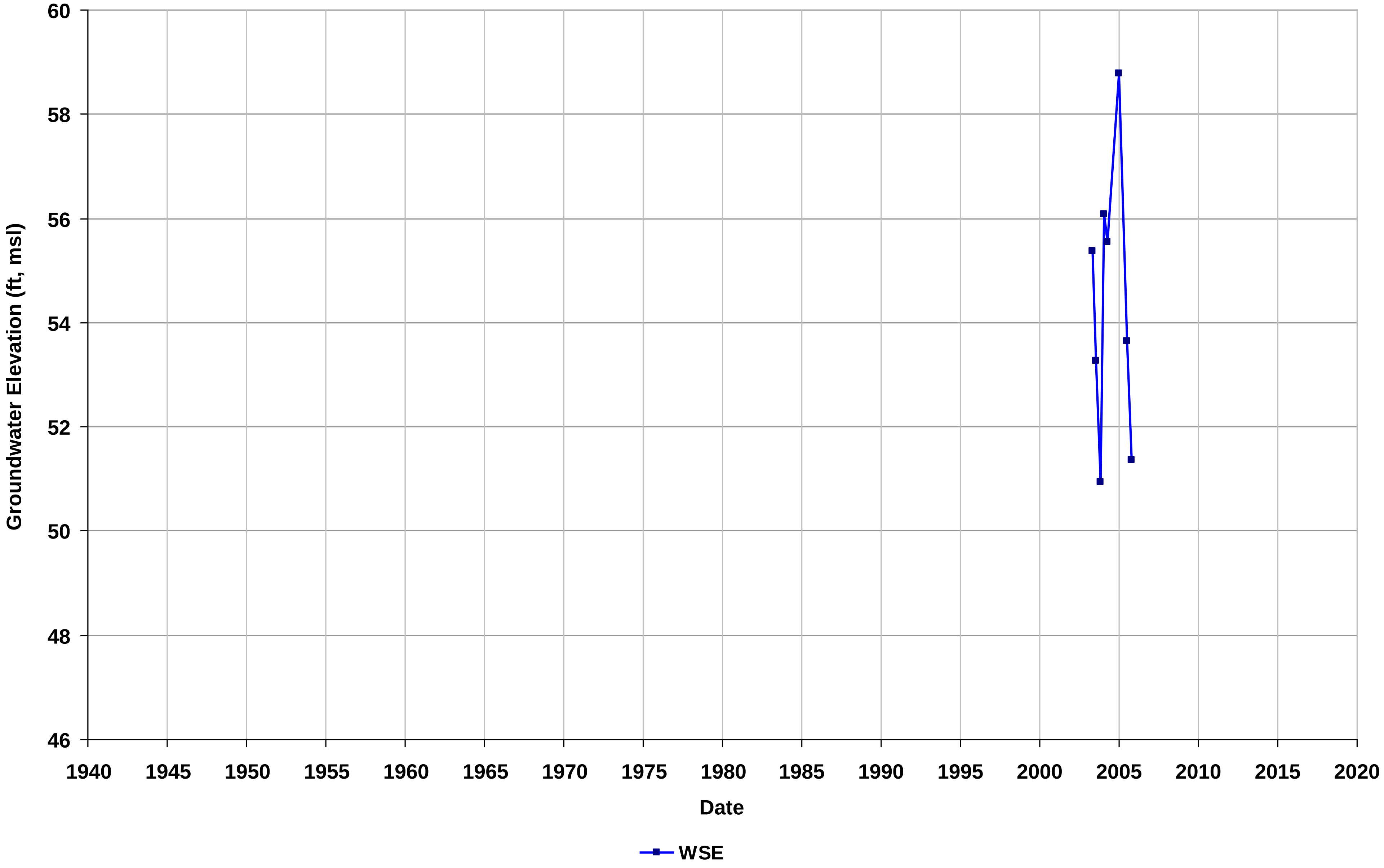
Well Name: T0600102210-SCIMW-11
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/04W/01
Well Use: Observation



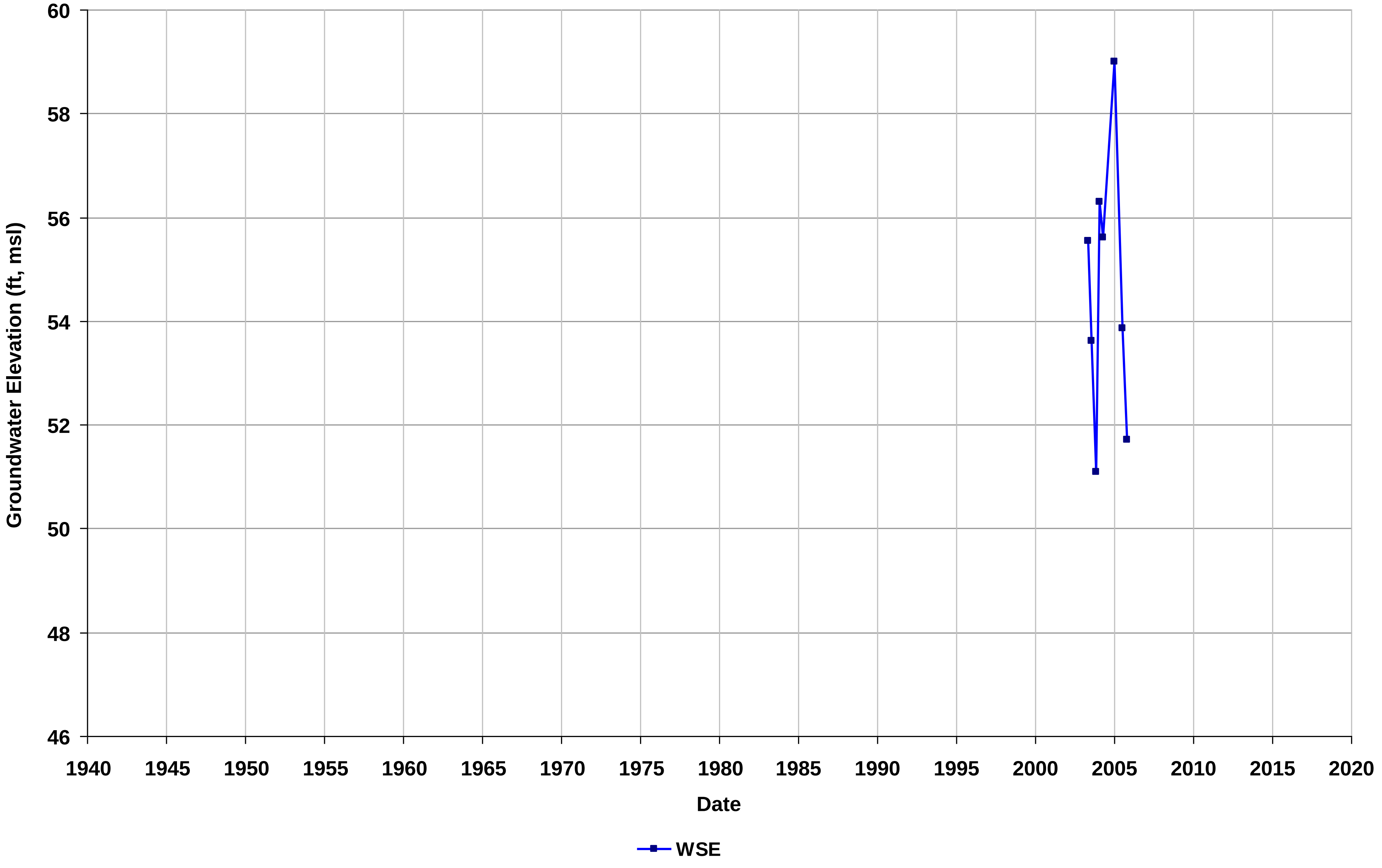
Well Name: T0600102236-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/05
Well Use: Observation



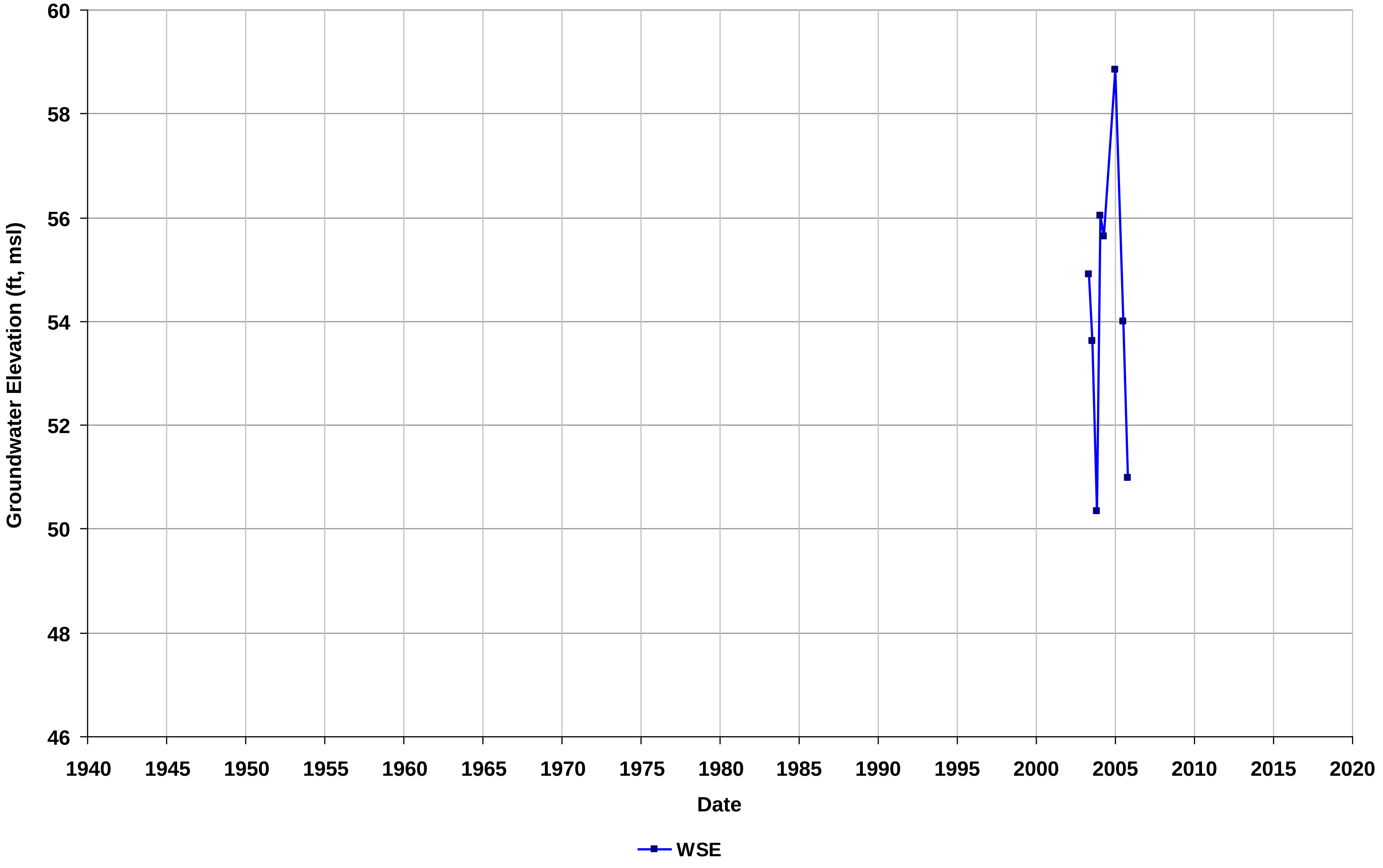
Well Name: T0600102236-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/05
Well Use: Observation



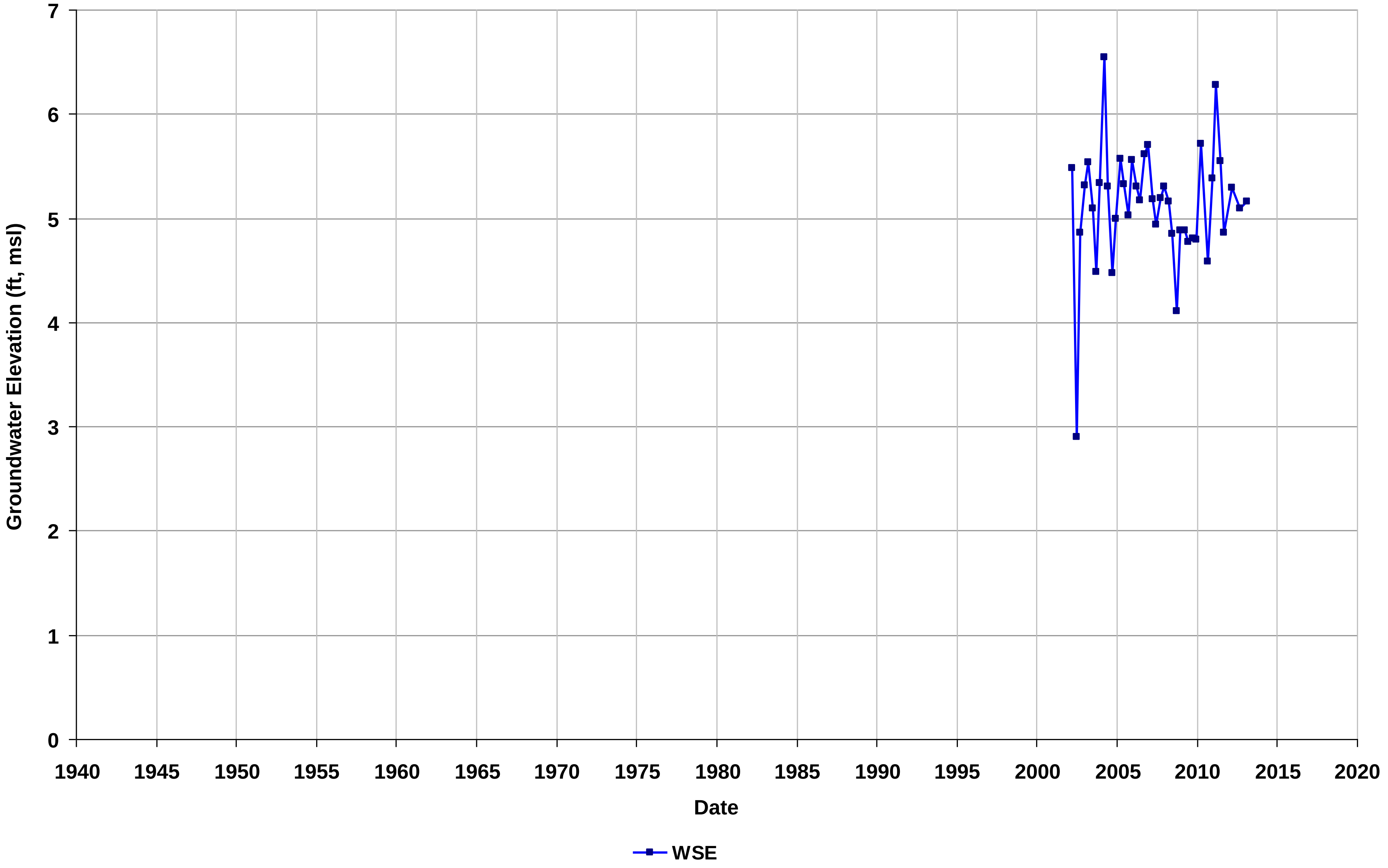
Well Name: T0600102236-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/05
Well Use: Observation



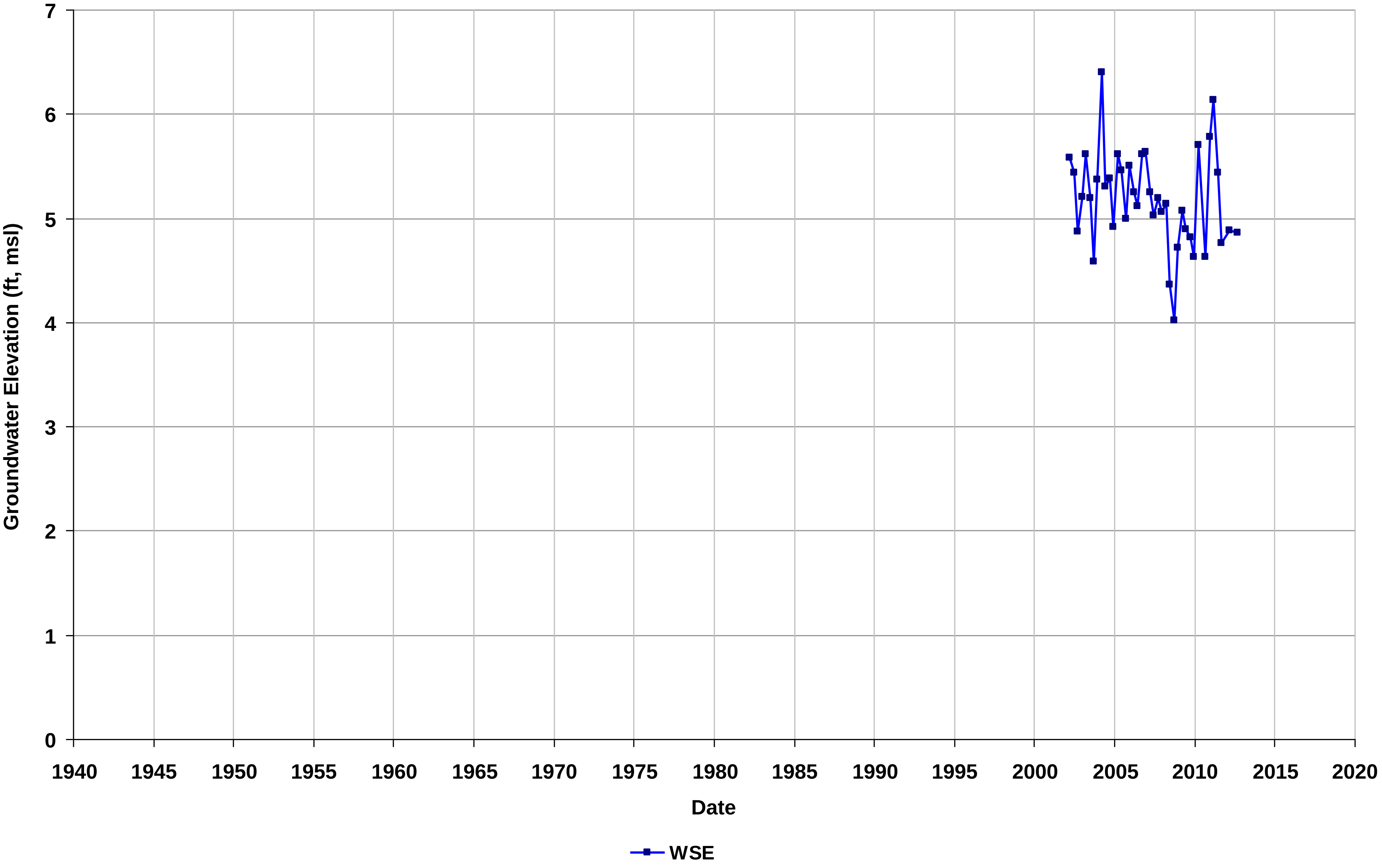
Well Name: T0600102238-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/28
Well Use: Observation



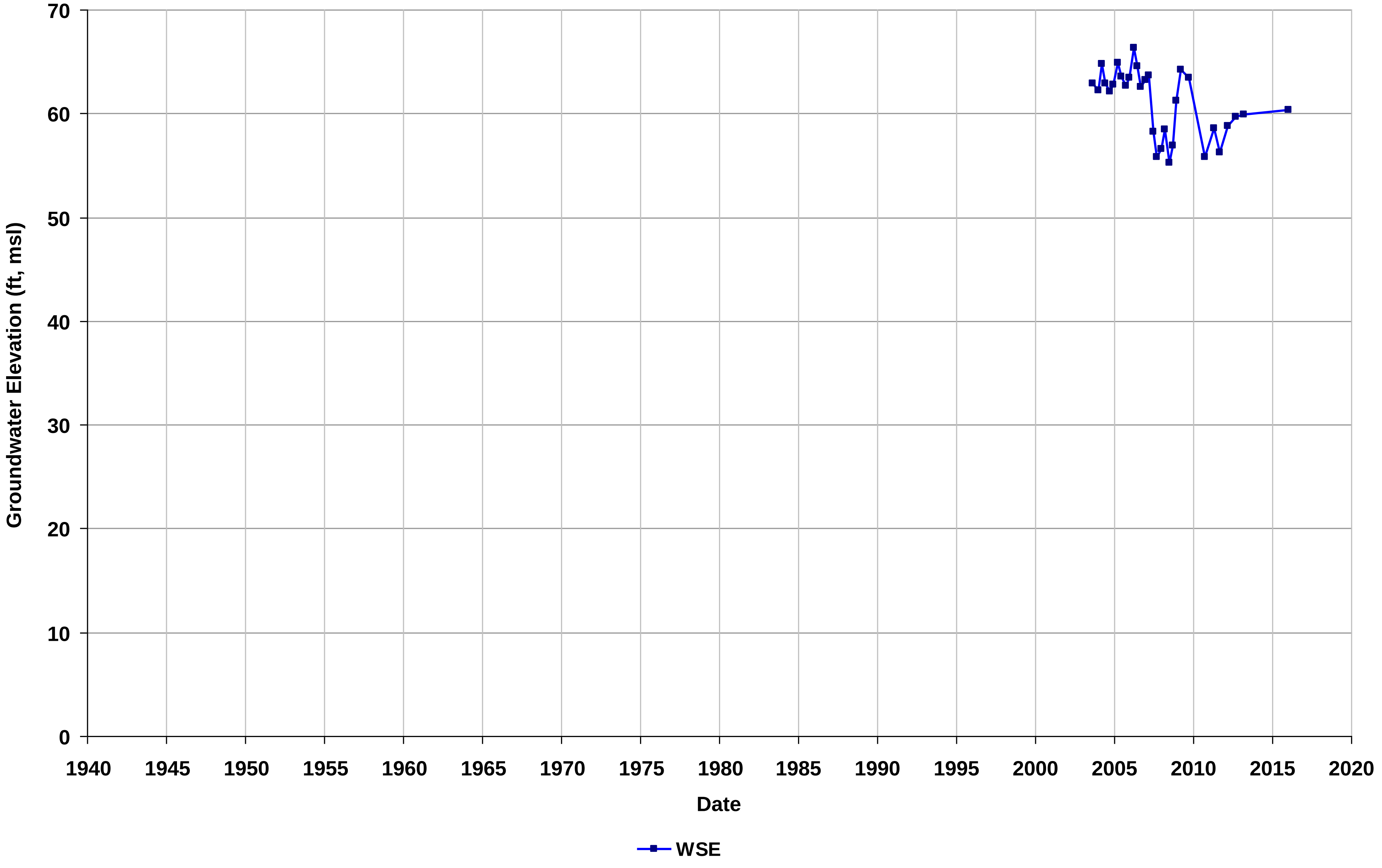
Well Name: T0600102238-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/28
Well Use: Observation



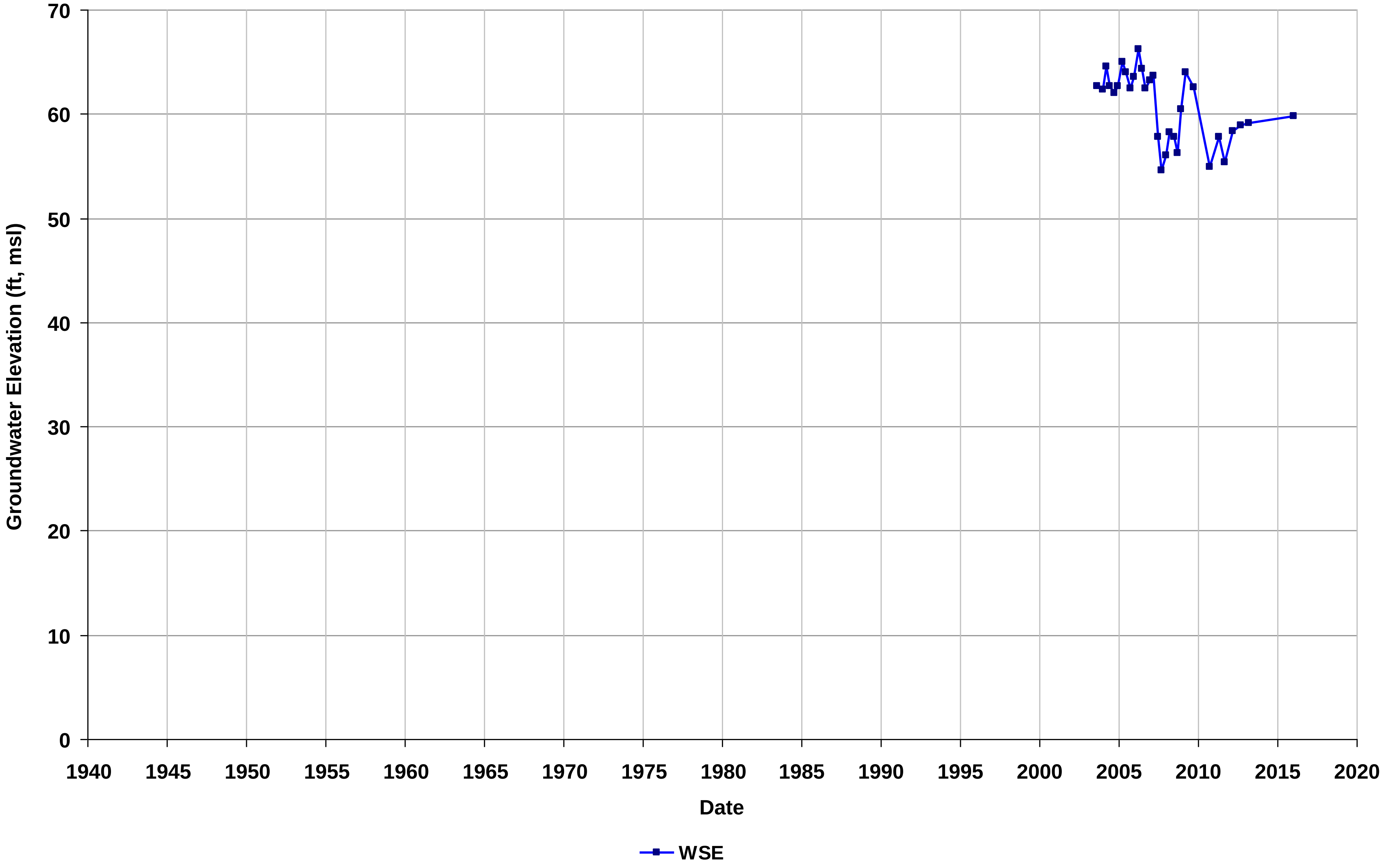
Well Name: T0600102243-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/24
Well Use: Observation



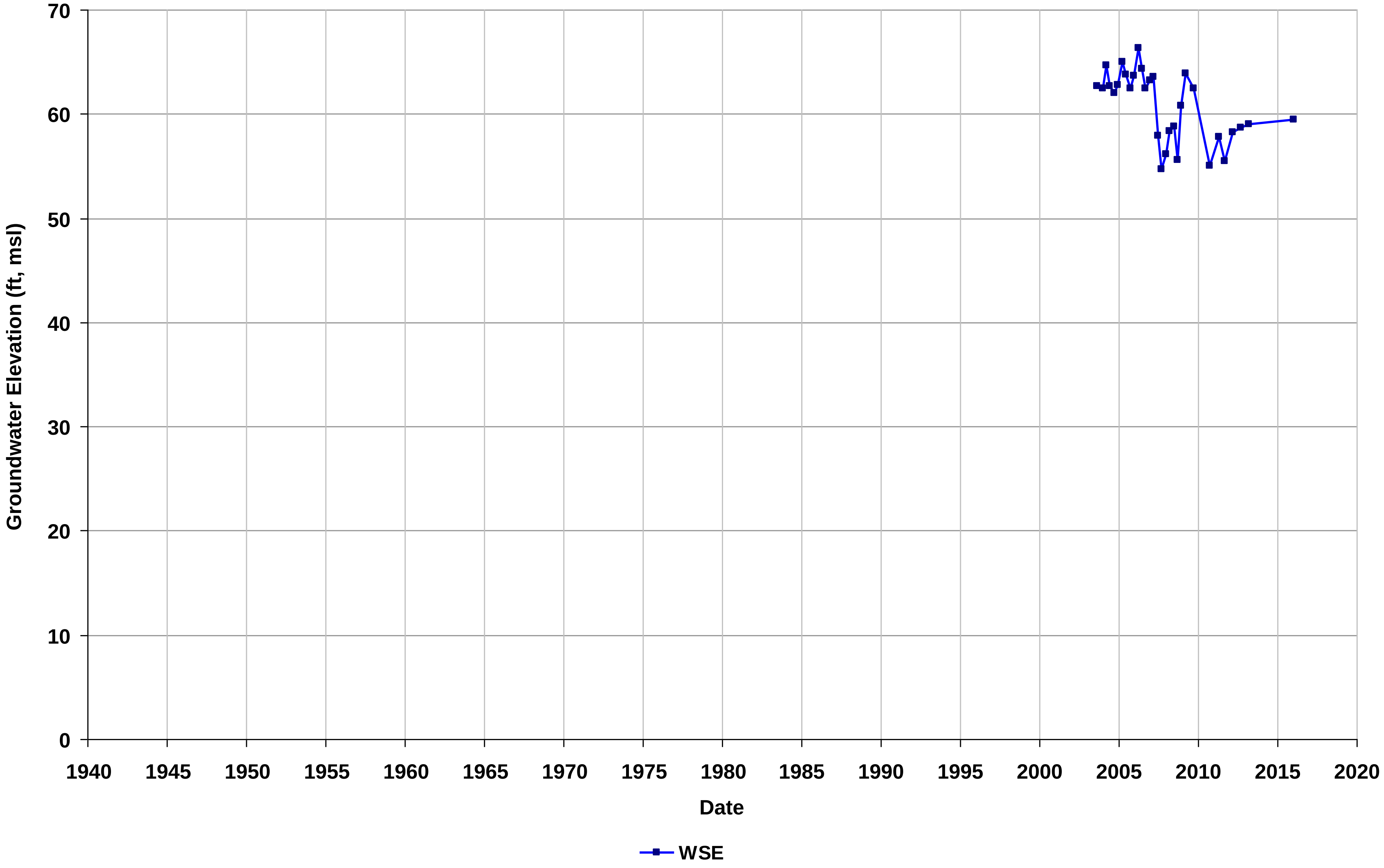
Well Name: T0600102243-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/24
Well Use: Observation



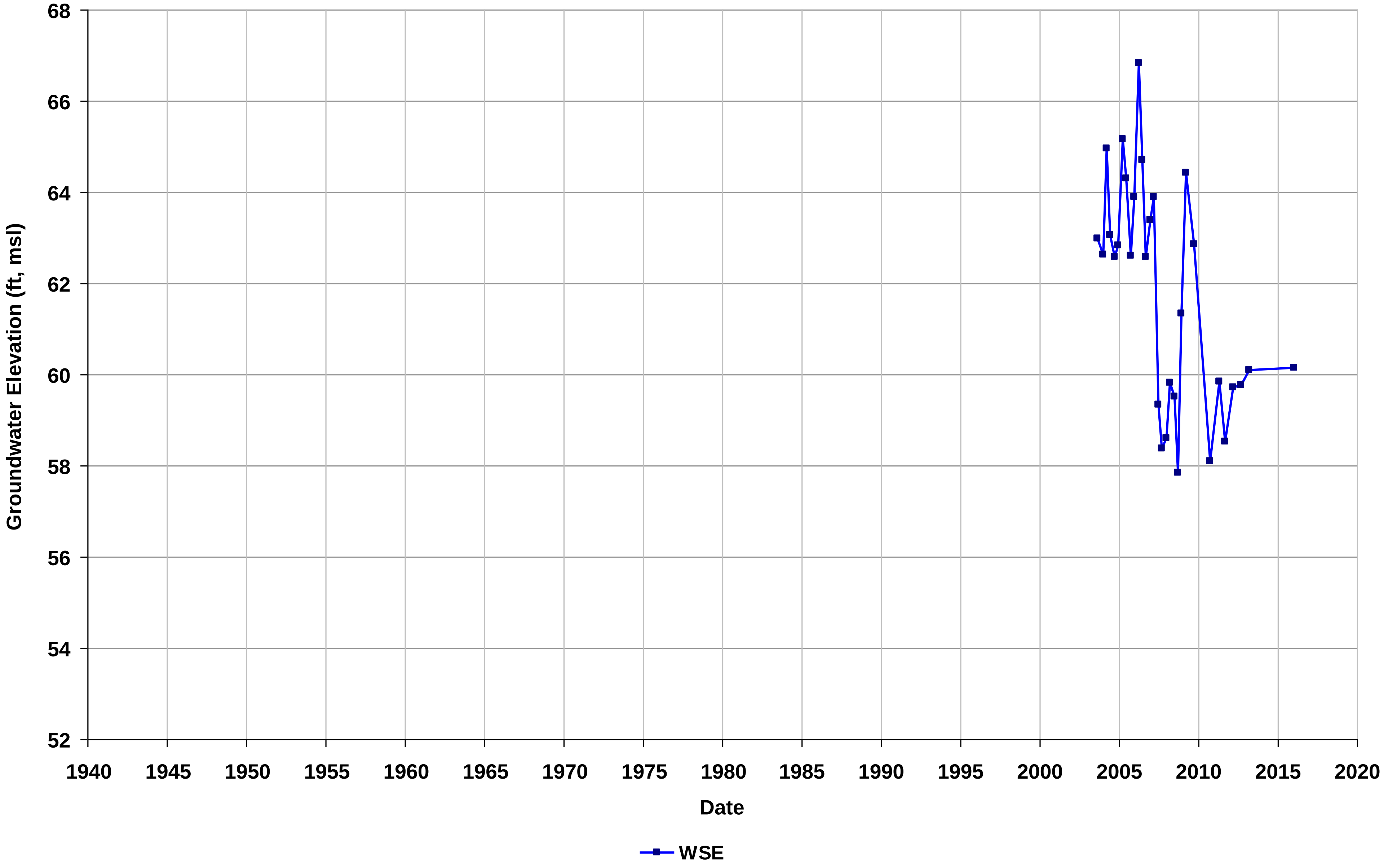
Well Name: T0600102243-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/24
Well Use: Observation



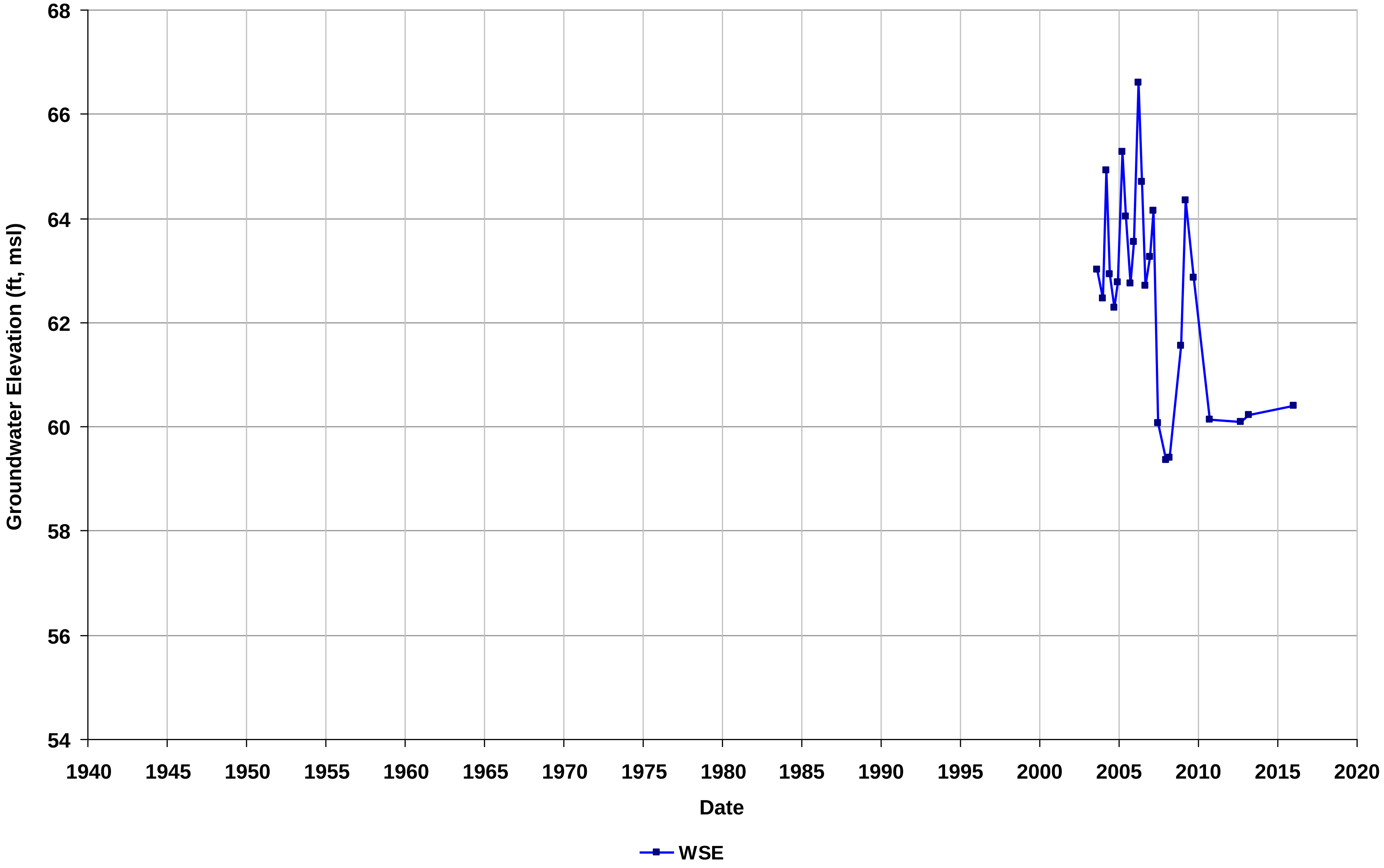
Well Name: T0600102243-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/24
Well Use: Observation



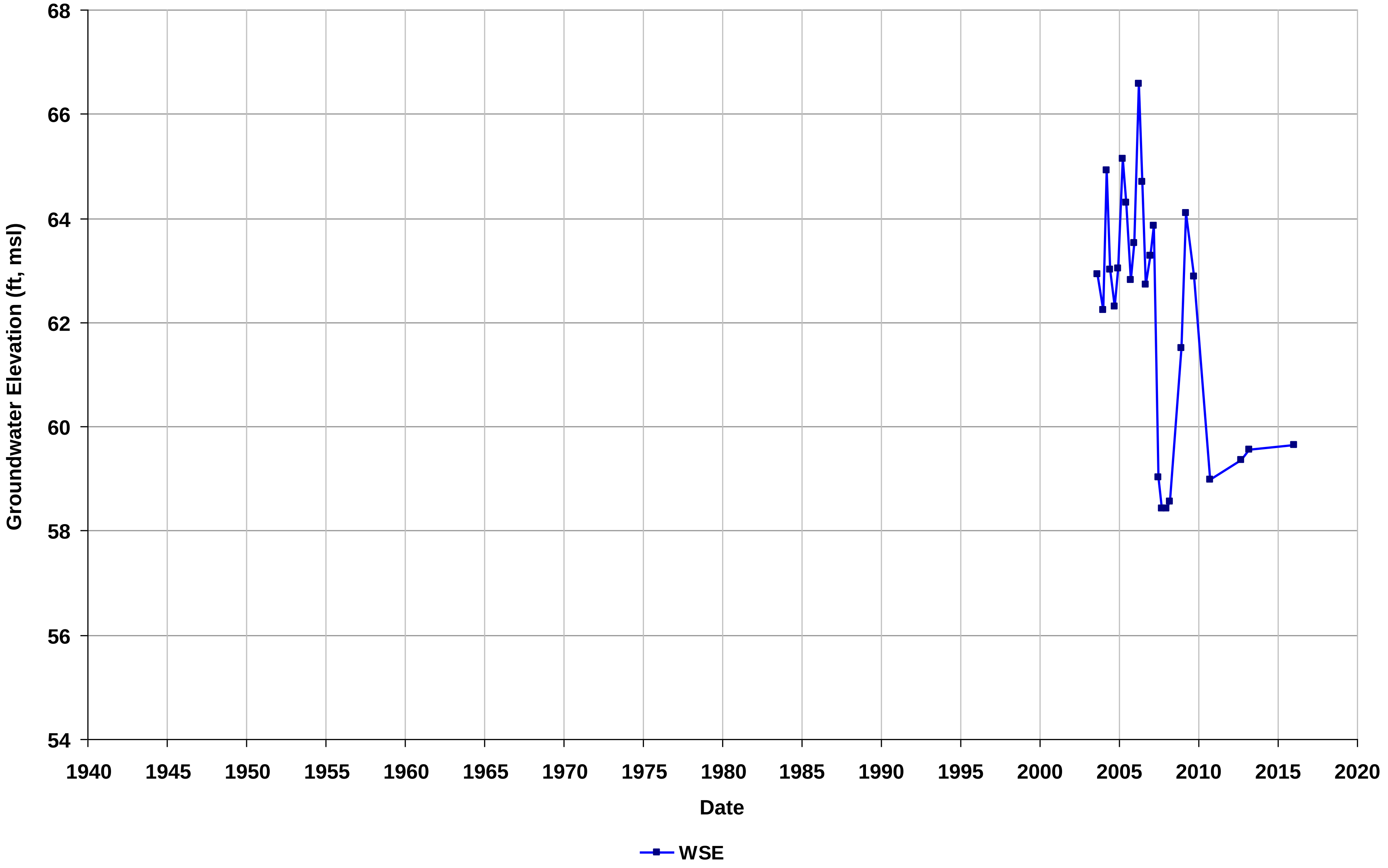
Well Name: T0600102243-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/24
Well Use: Observation



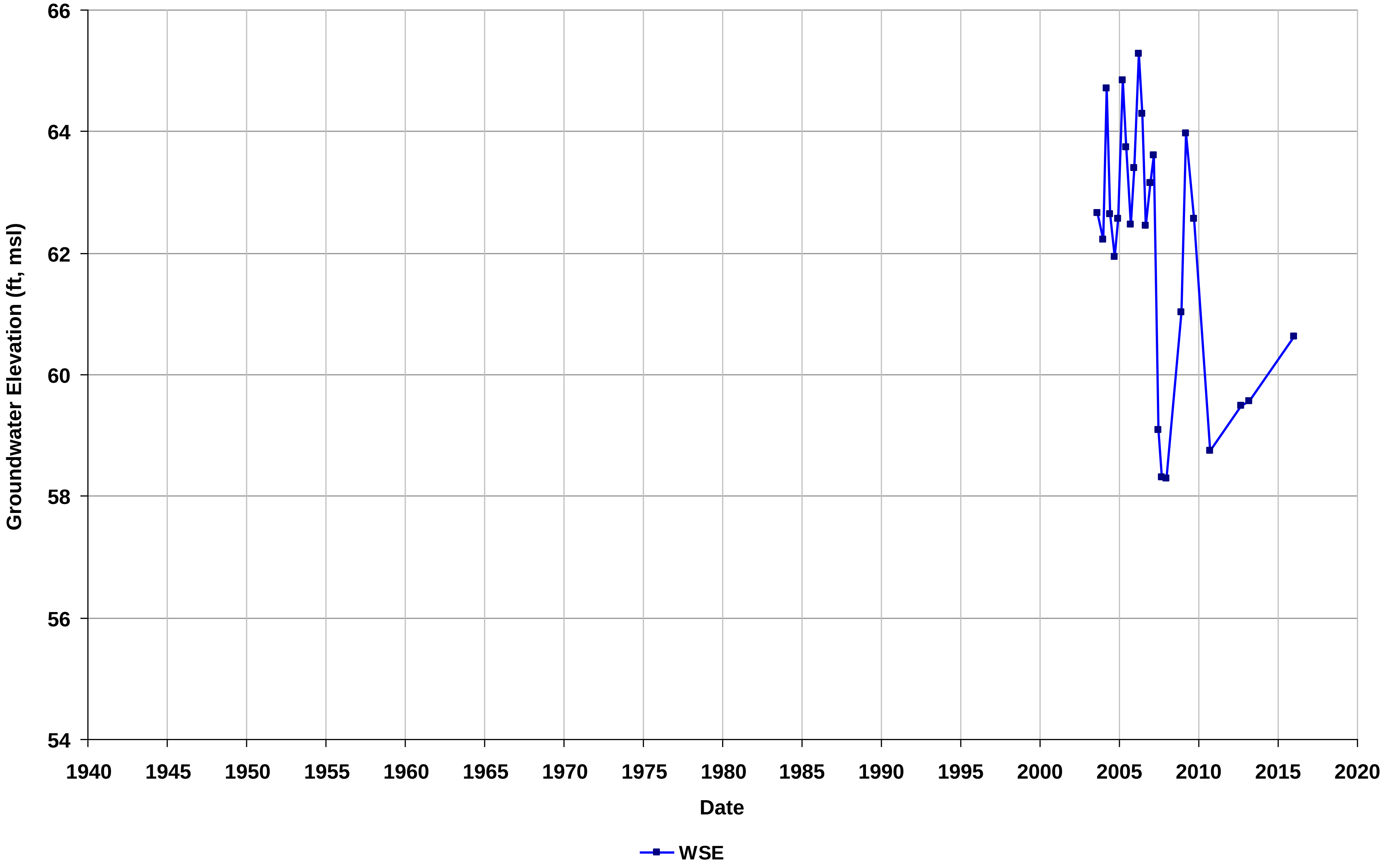
Well Name: T0600102243-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/24
Well Use: Observation



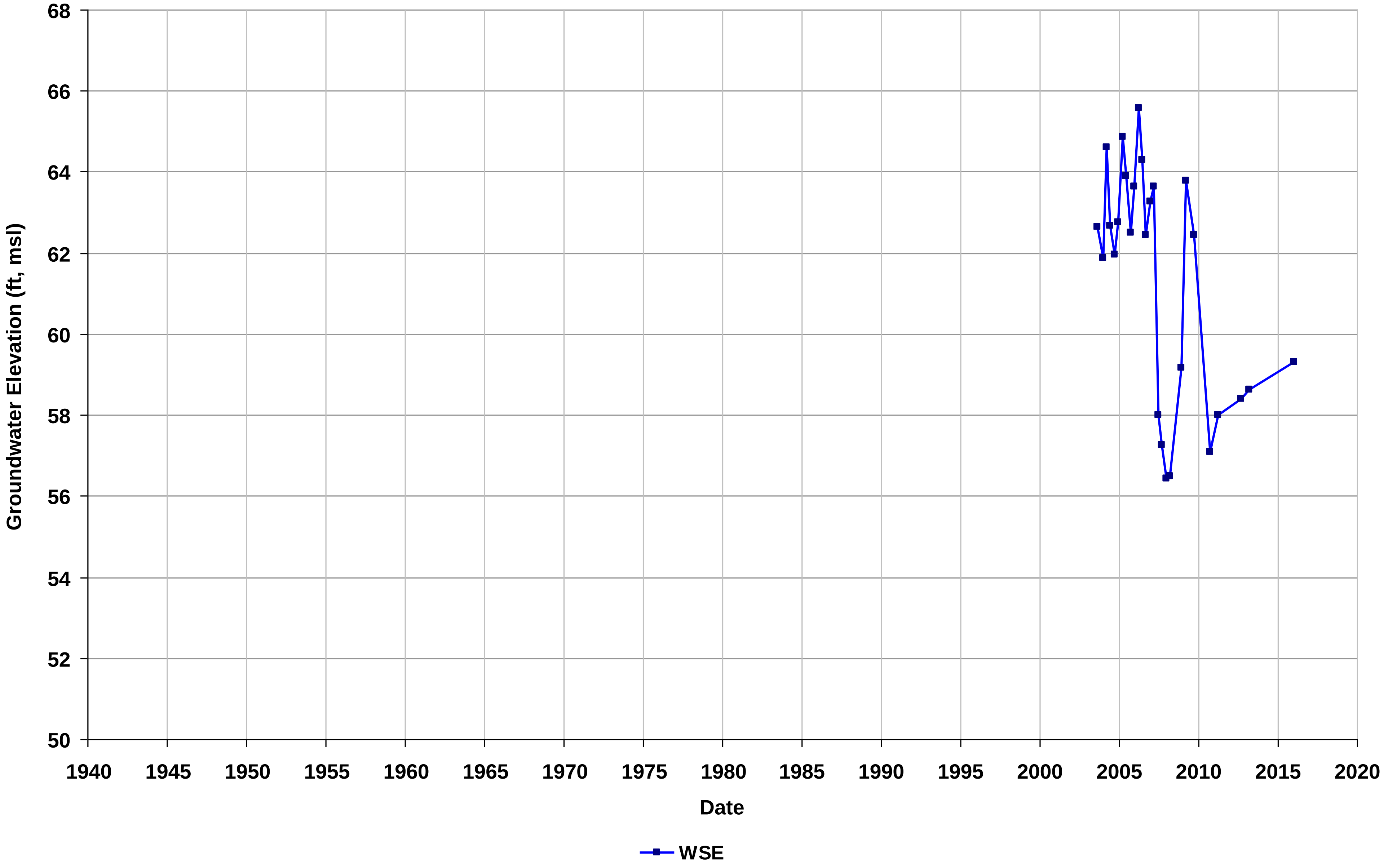
Well Name: T0600102243-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/24
Well Use: Observation



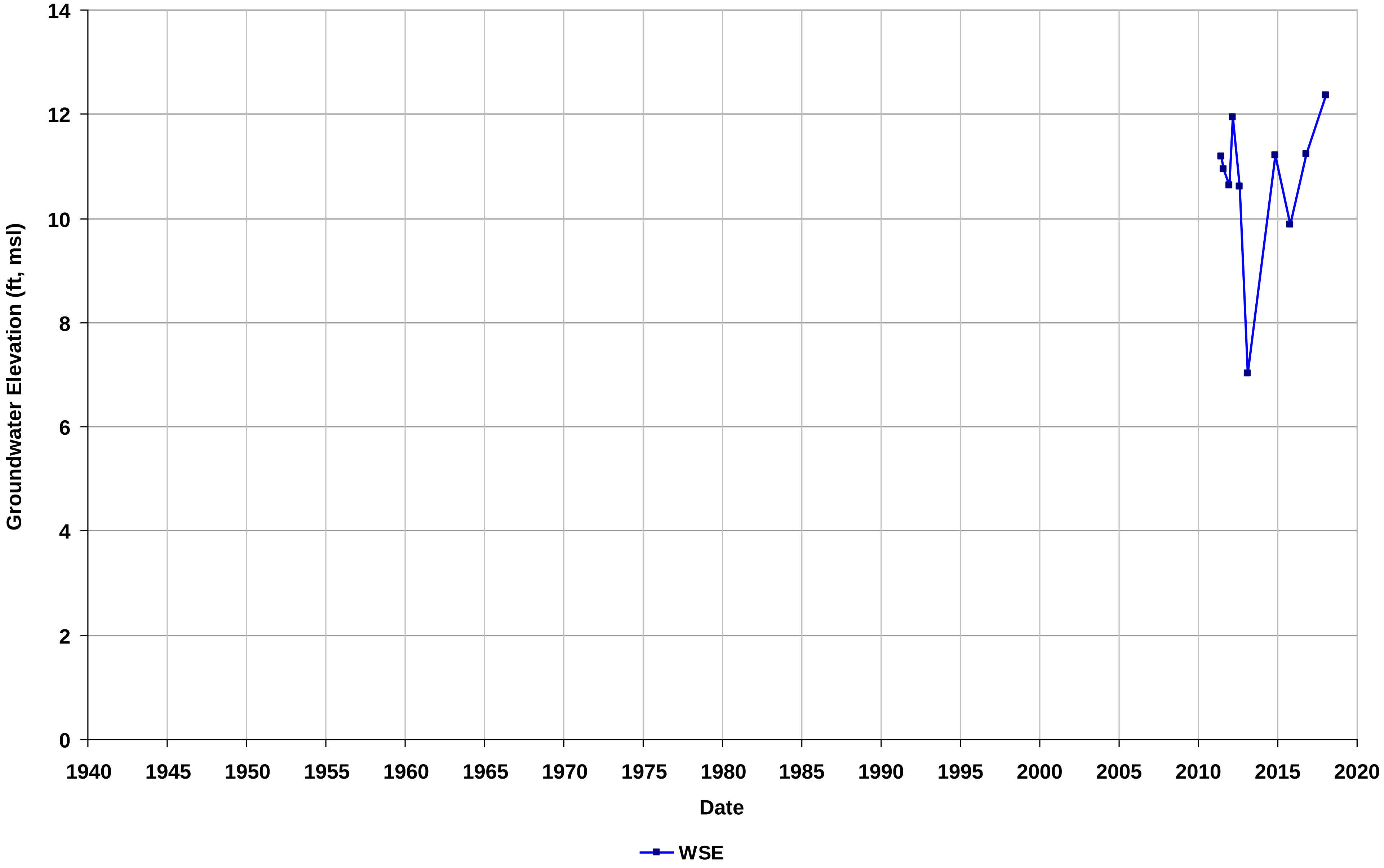
Well Name: T0600102243-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/24
Well Use: Observation



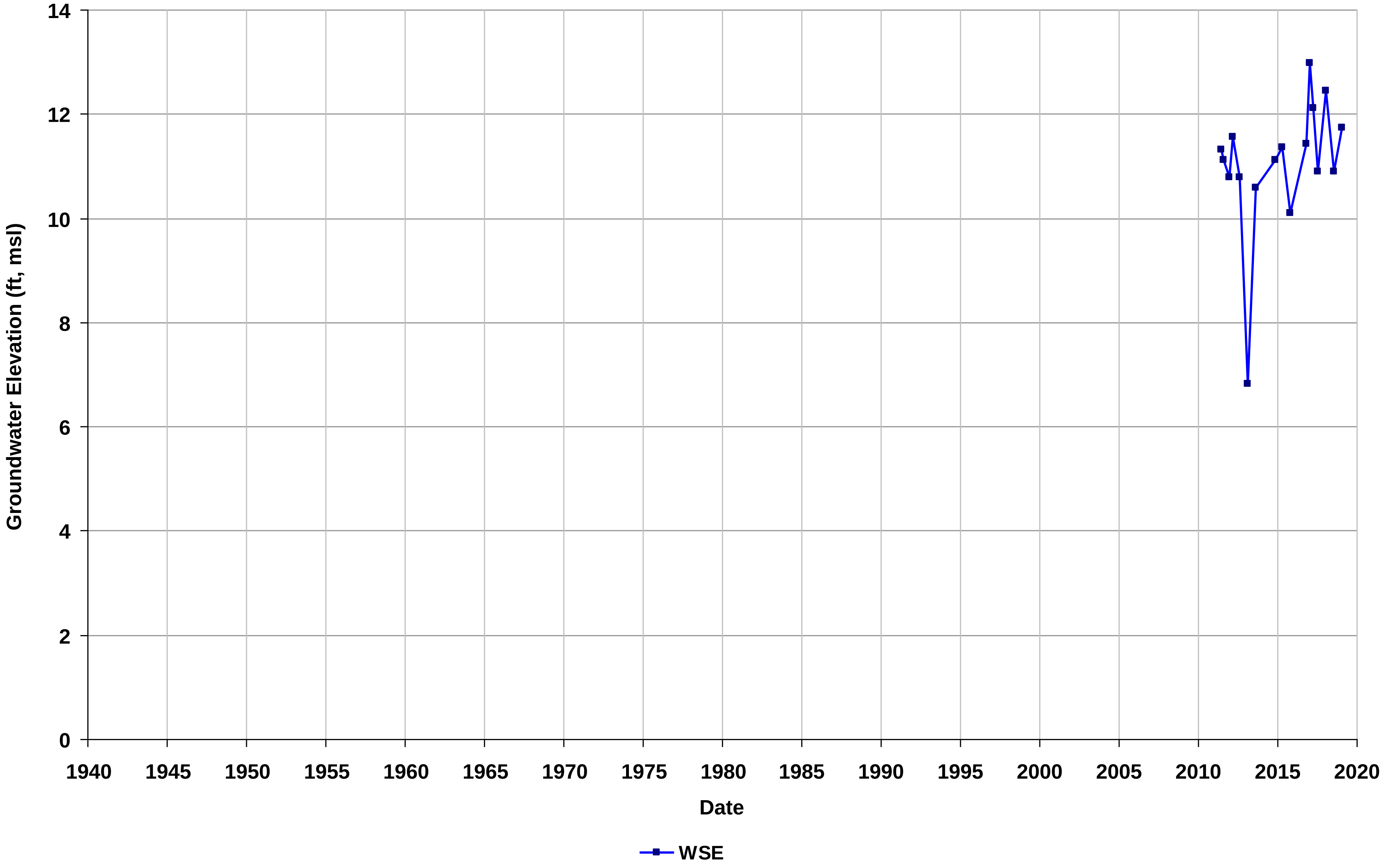
Well Name: T0600102256-EX-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/13
Well Use: Observation



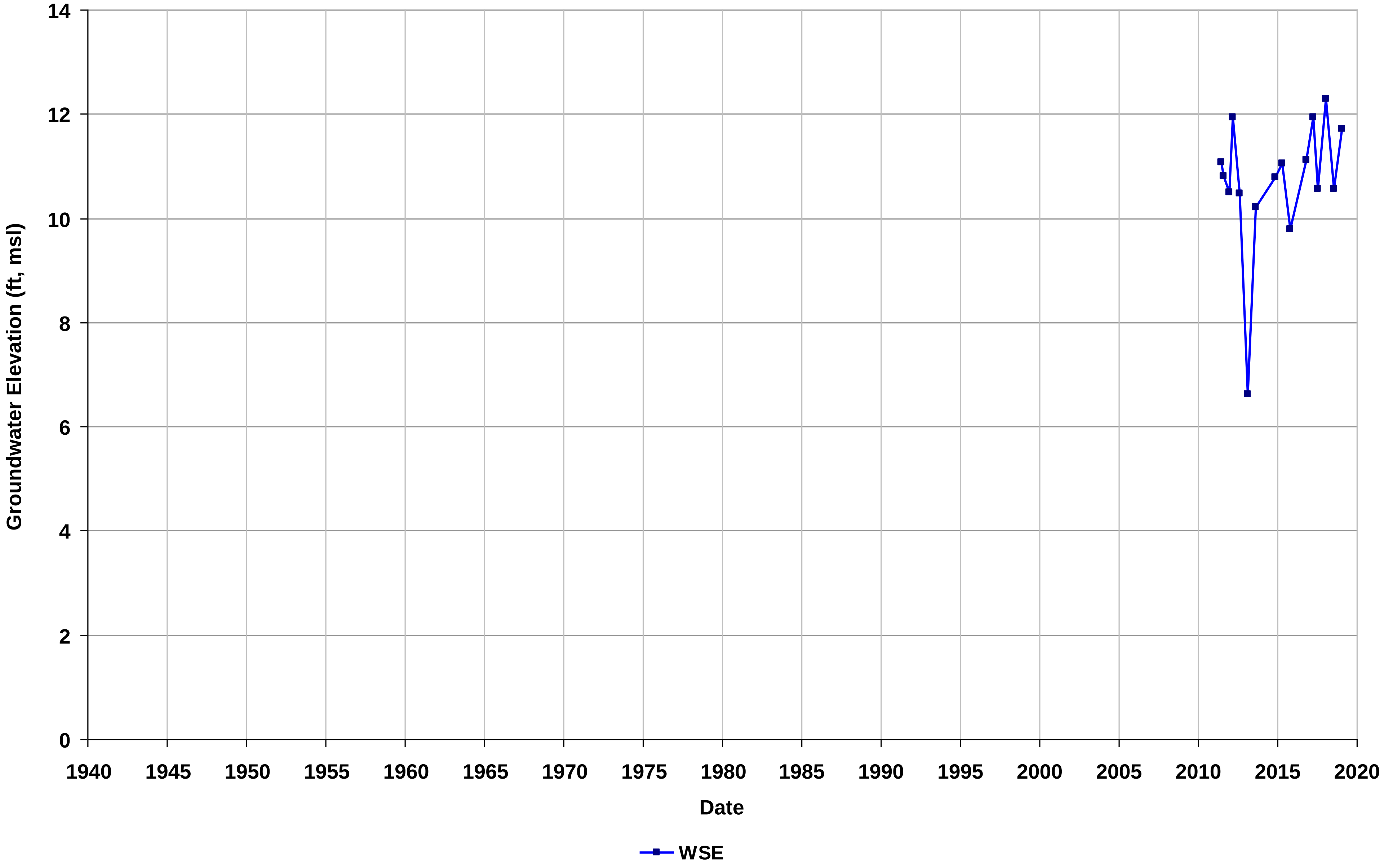
Well Name: T0600102256-EX-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/13
Well Use: Observation



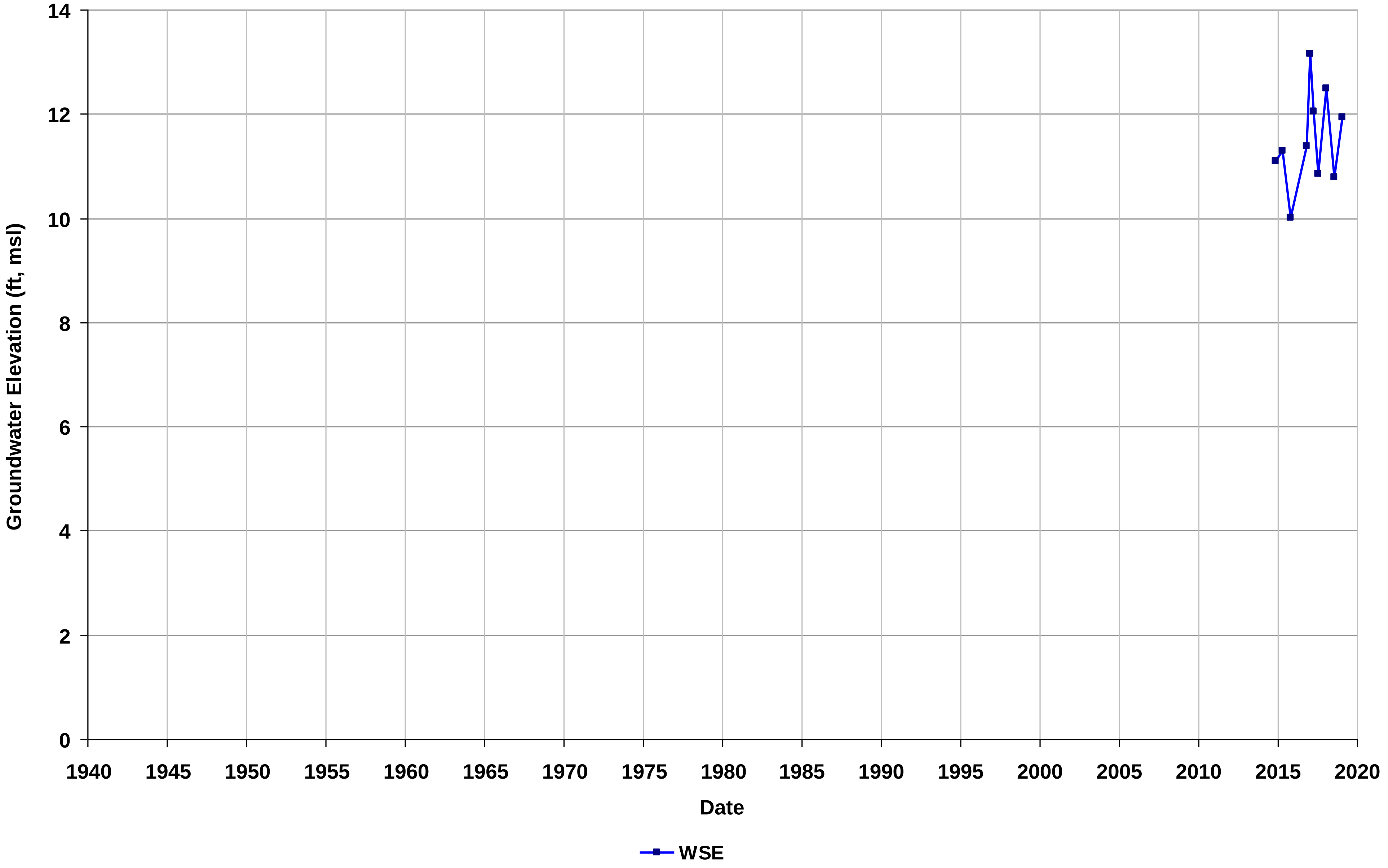
Well Name: T0600102256-EX-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/13
Well Use: Observation



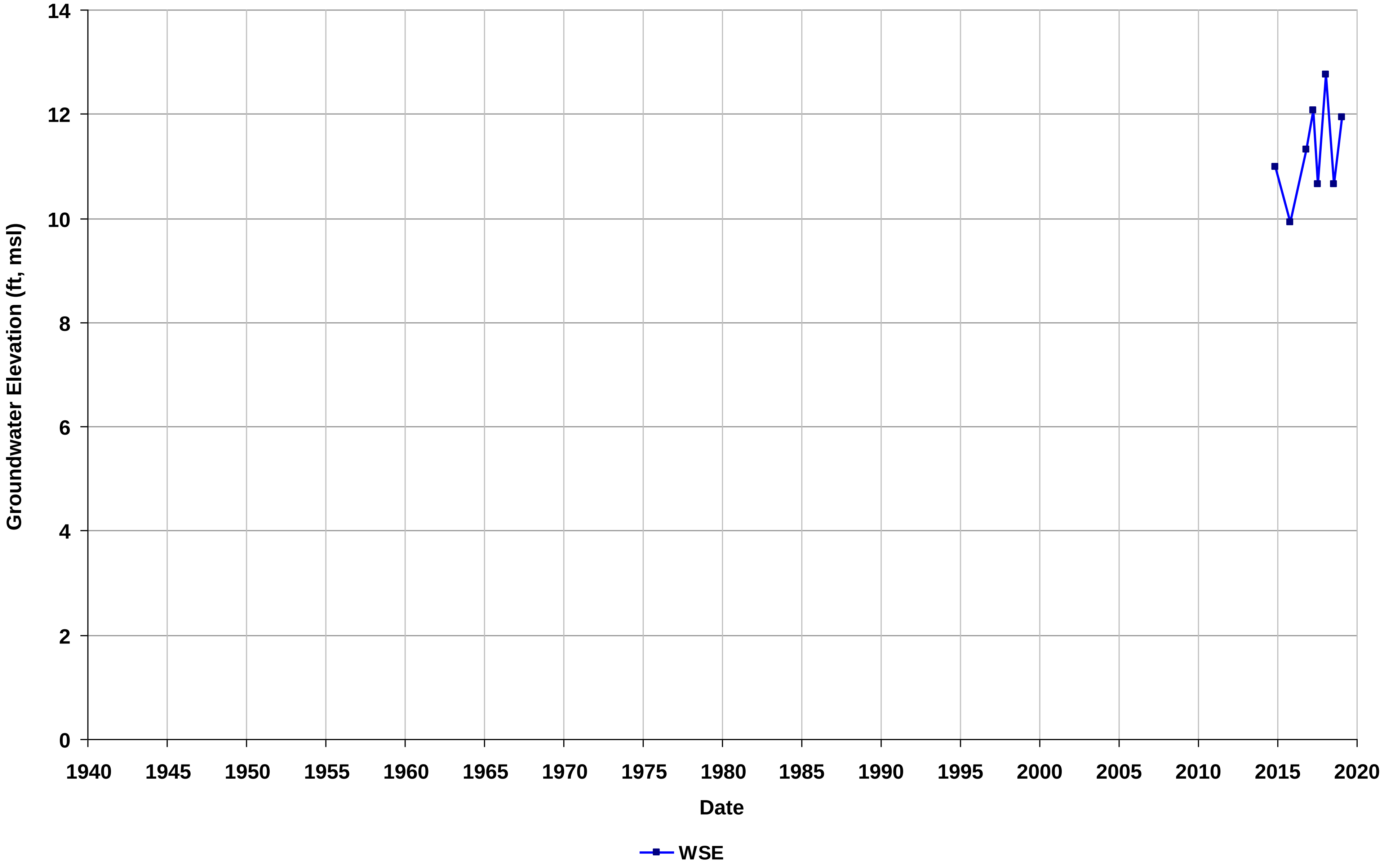
Well Name: T0600102256-EX-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/13
Well Use: Observation



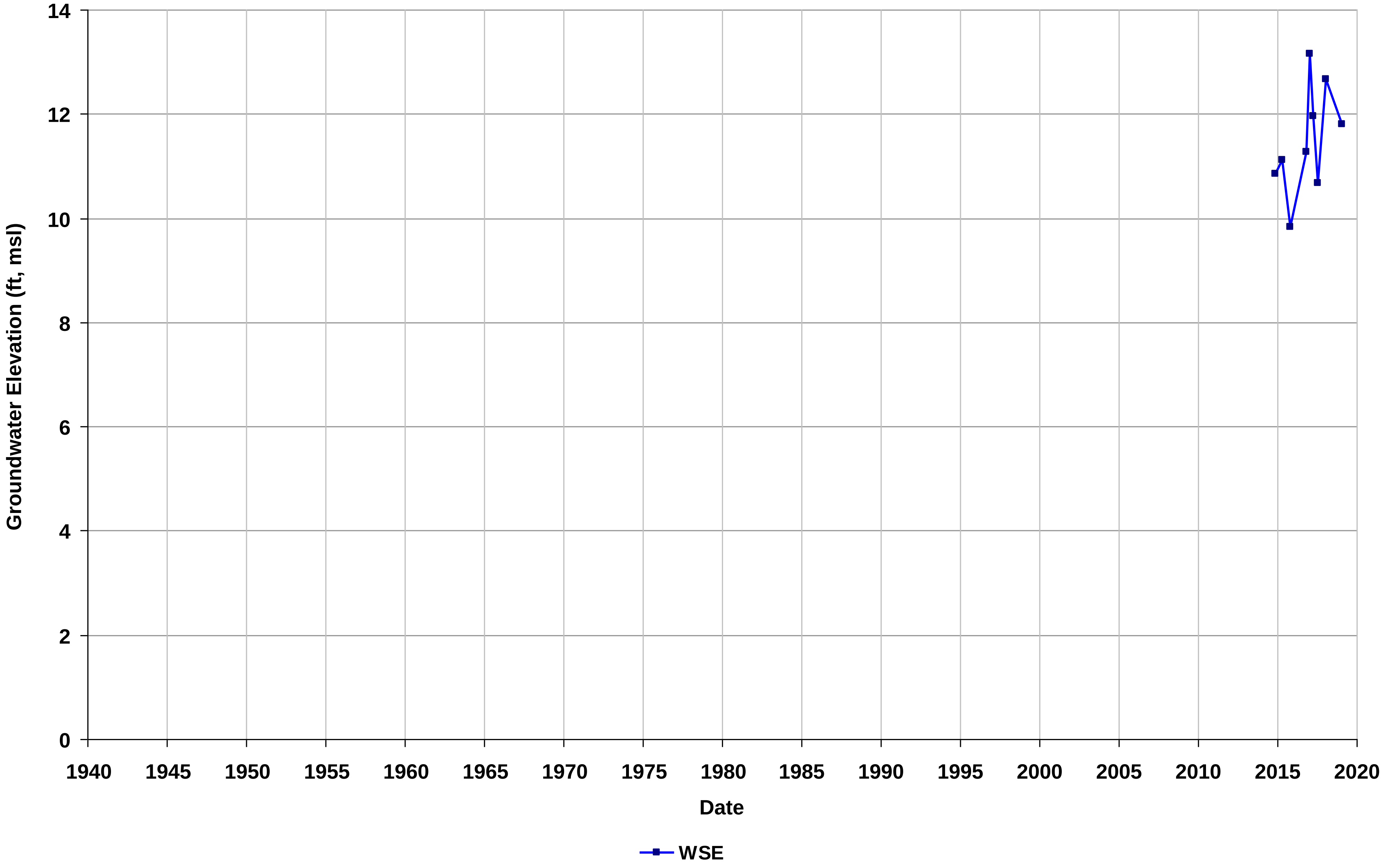
Well Name: T0600102256-EX-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/13
Well Use: Observation



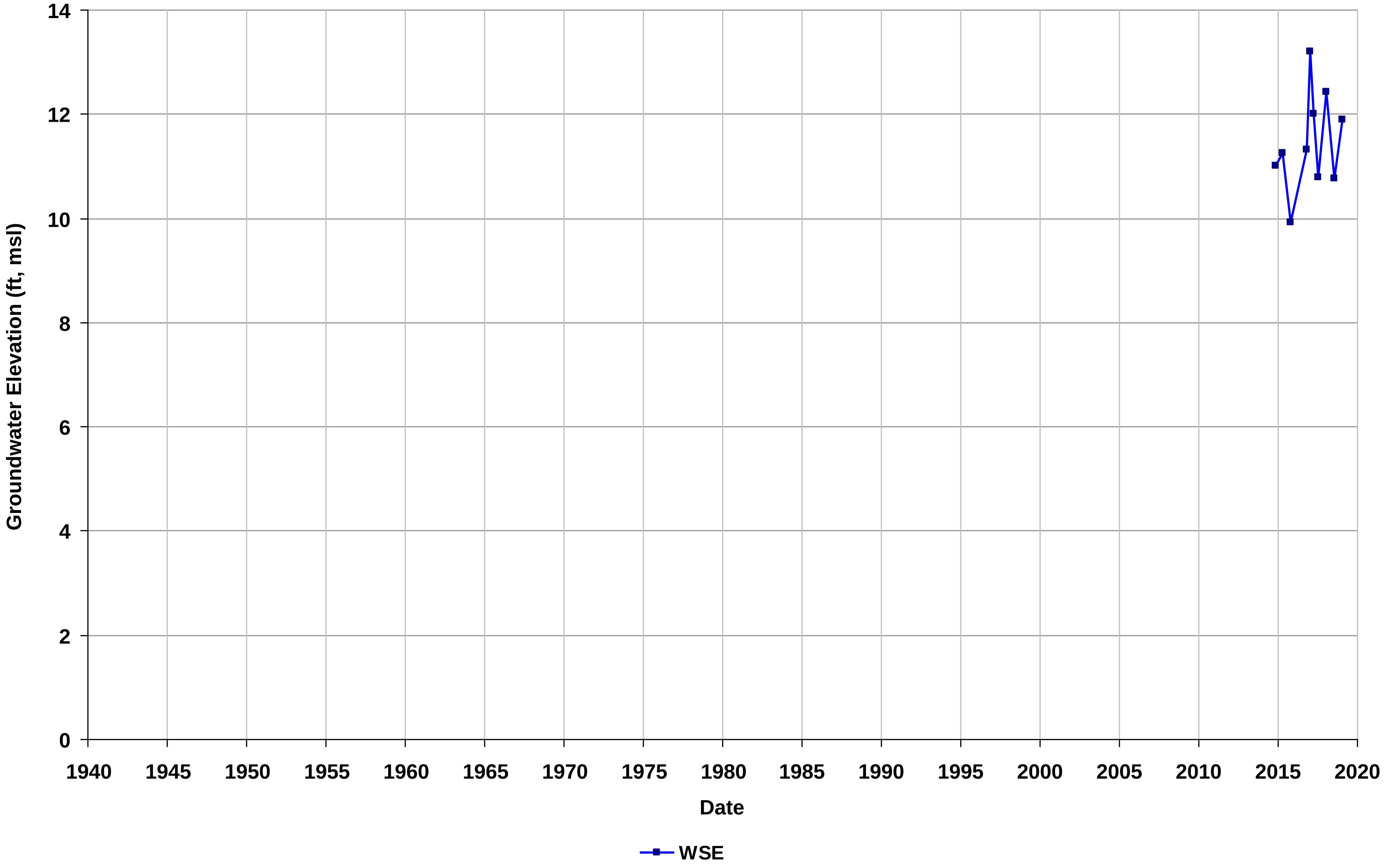
Well Name: T0600102256-EX-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/13
Well Use: Observation



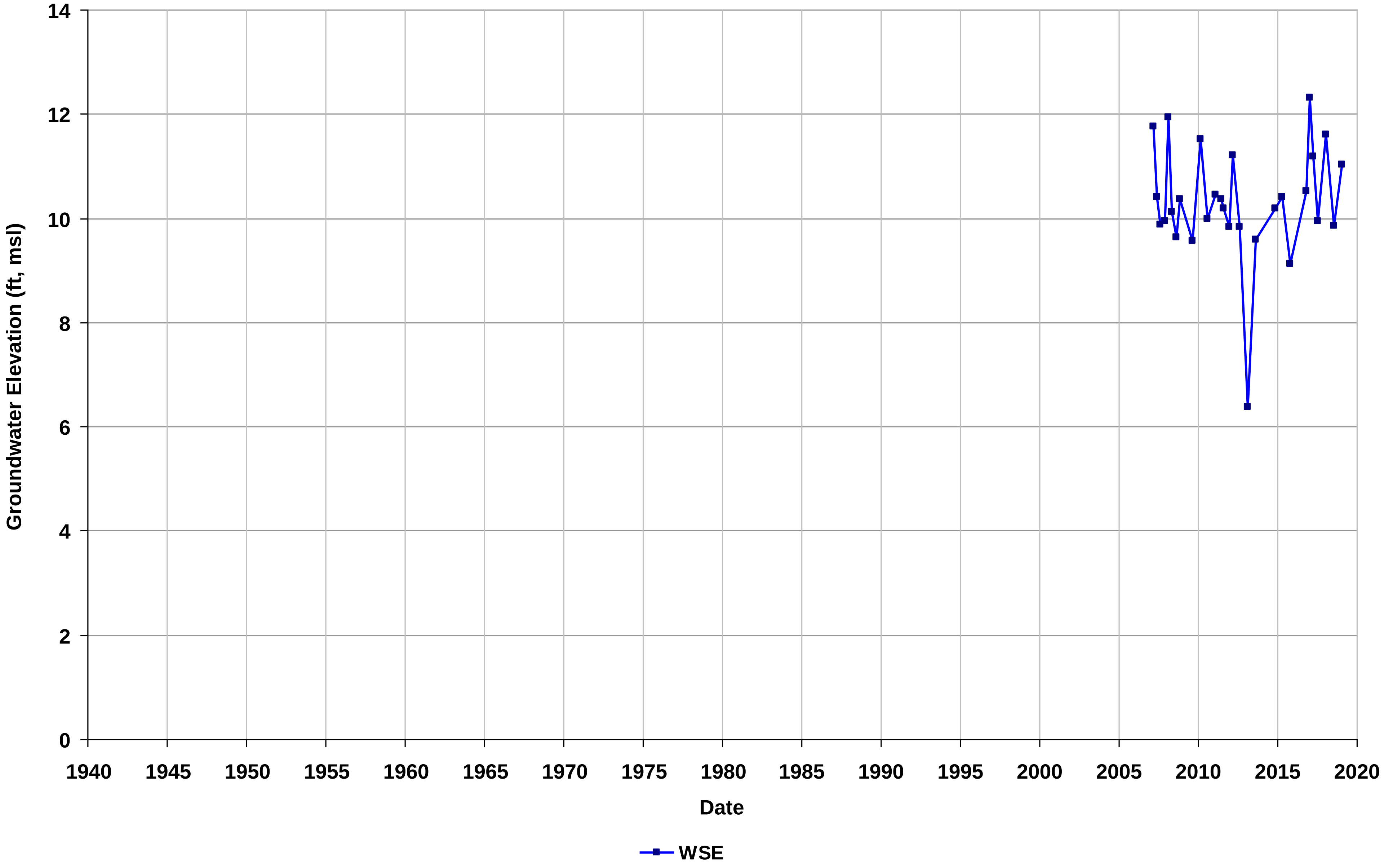
Well Name: T0600102256-EX-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/13
Well Use: Observation



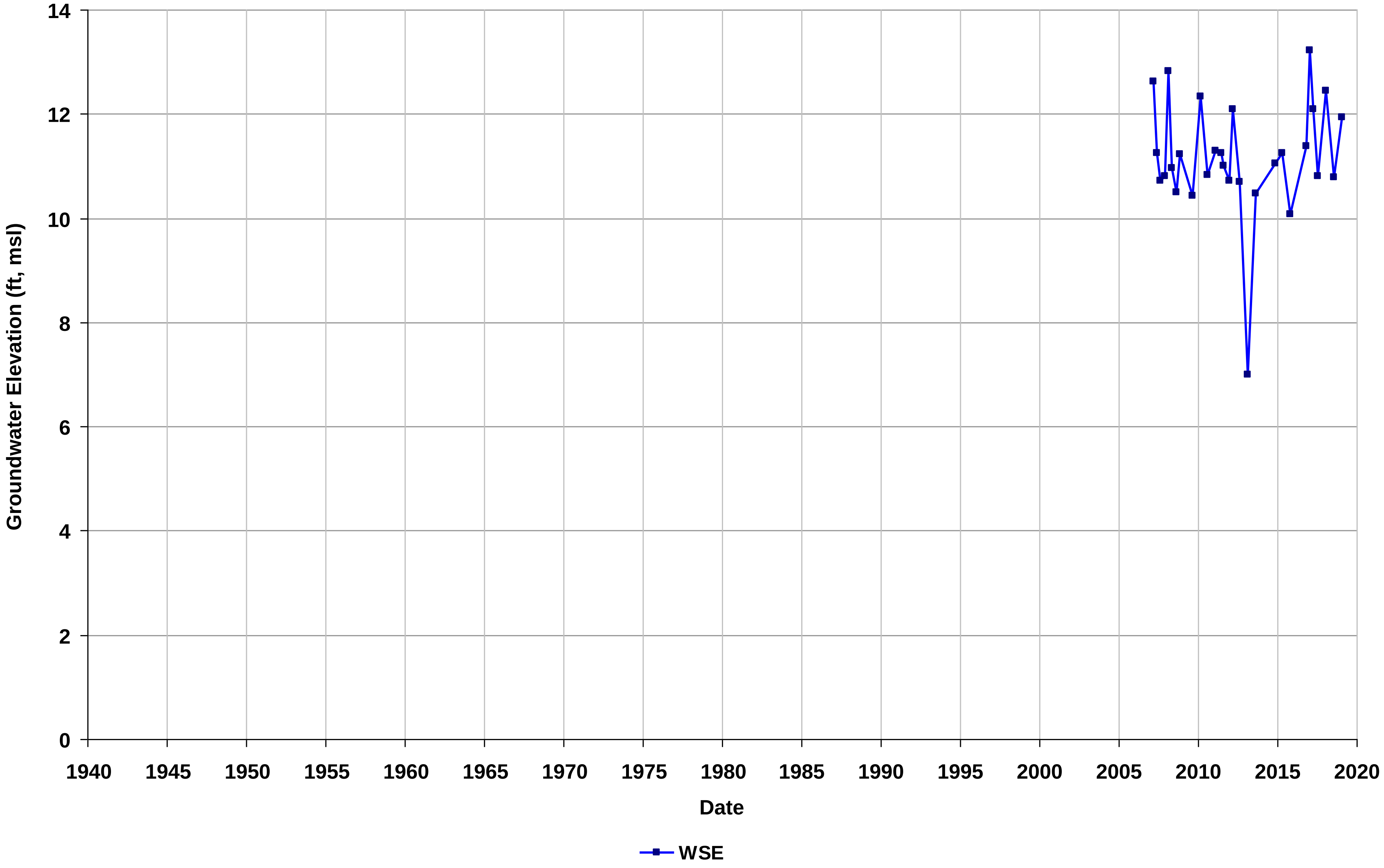
Well Name: T0600102256-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/13
Well Use: Observation



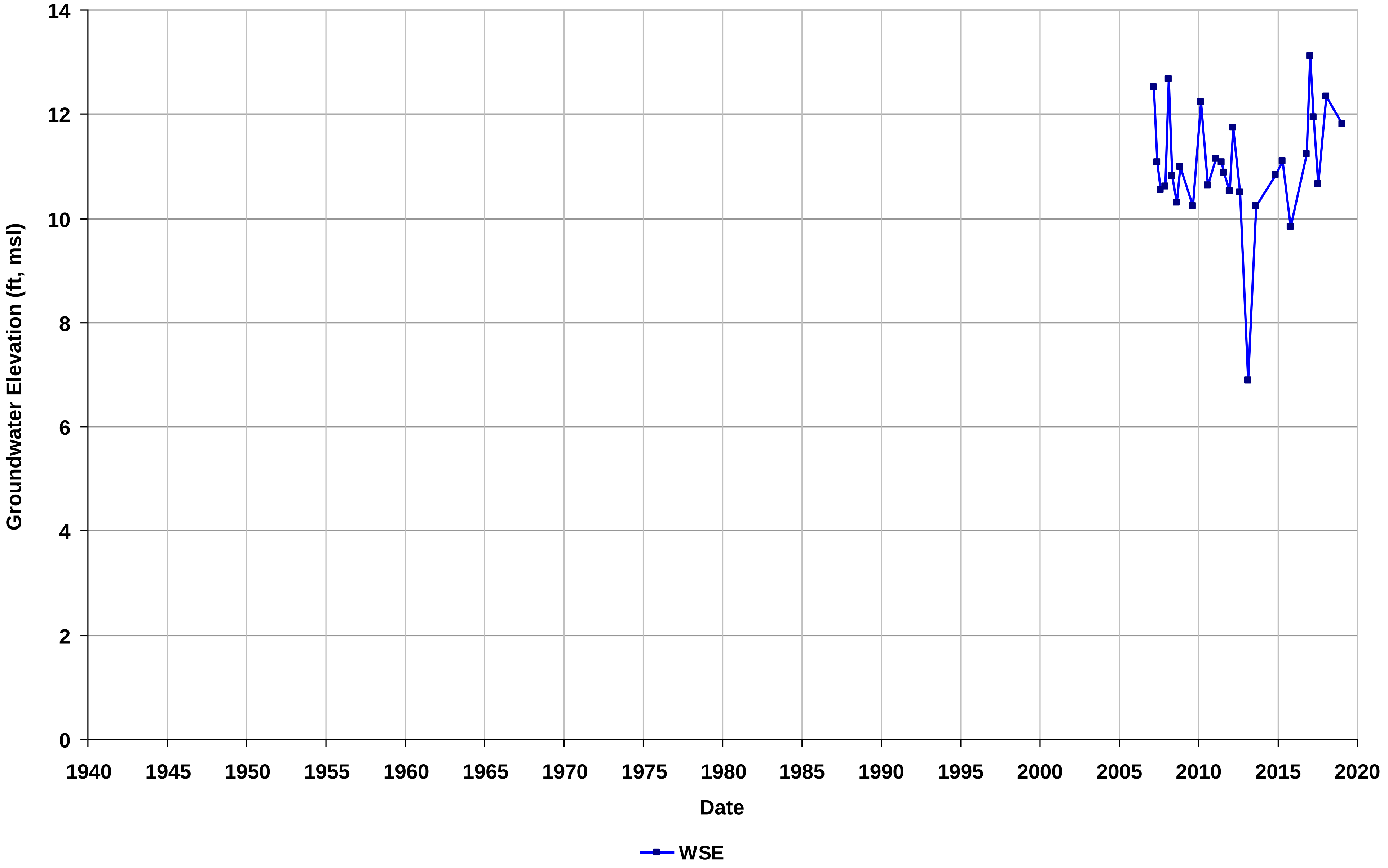
Well Name: T0600102256-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/13
Well Use: Observation



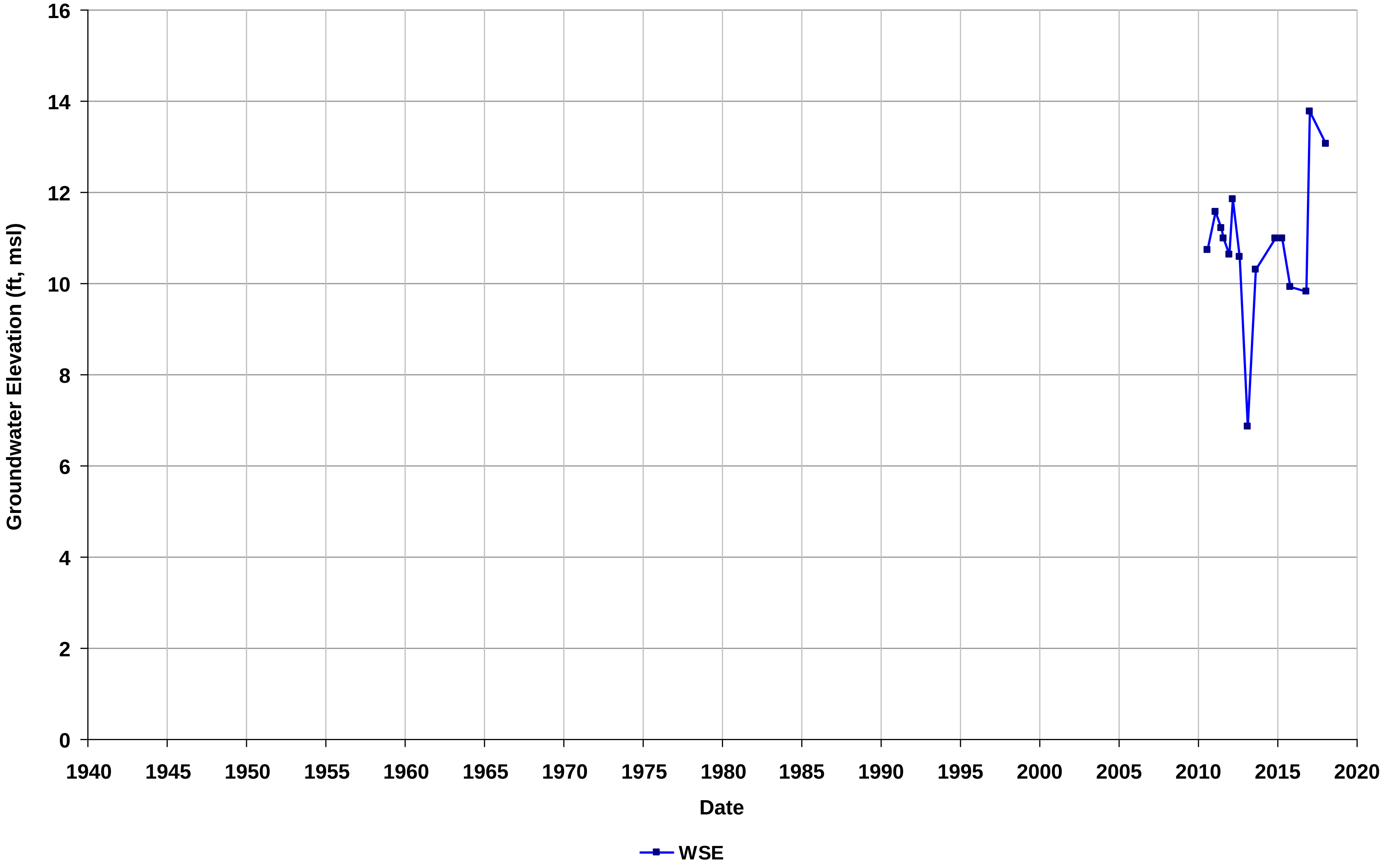
Well Name: T0600102256-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/13
Well Use: Observation



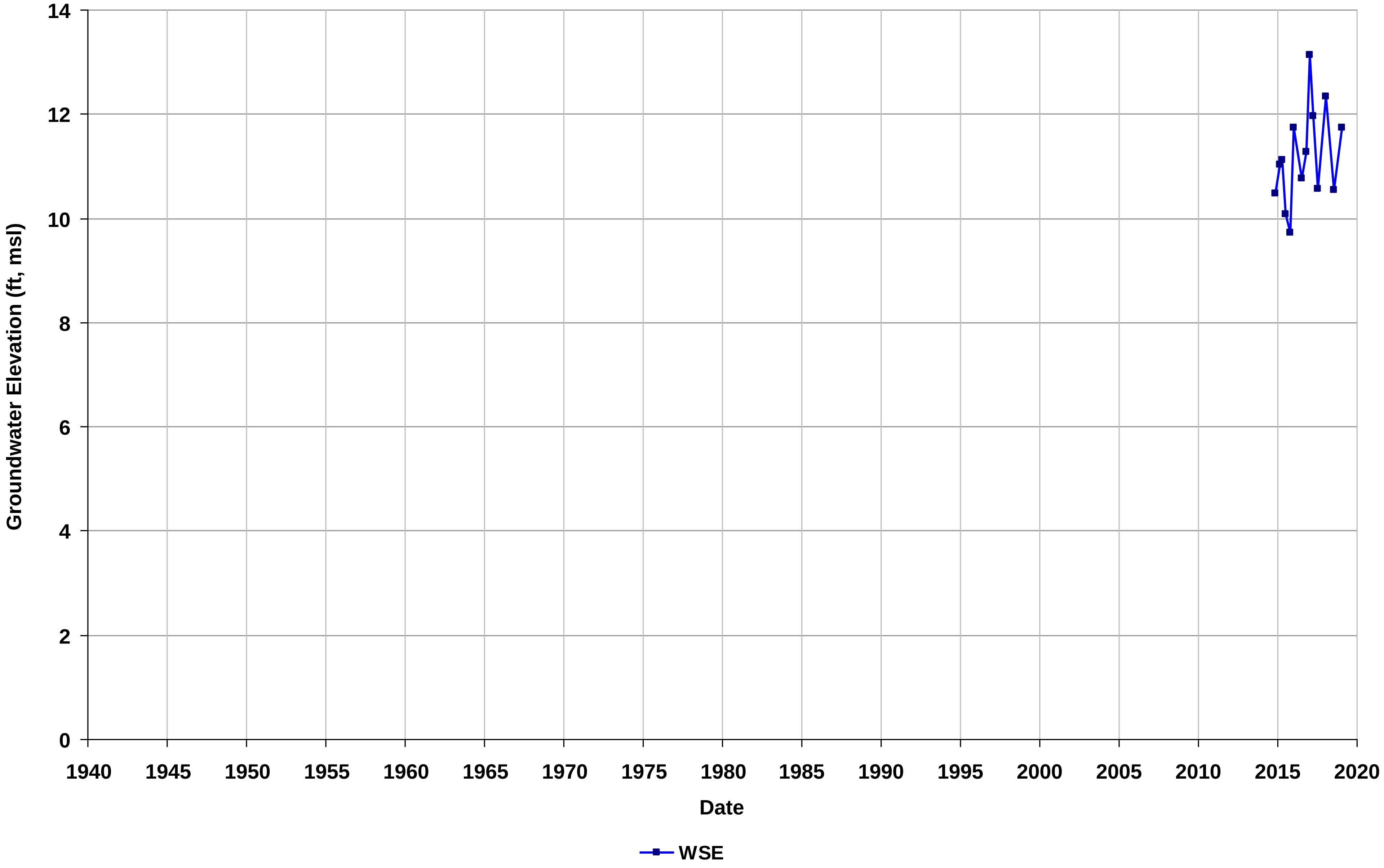
Well Name: T0600102256-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/13
Well Use: Observation



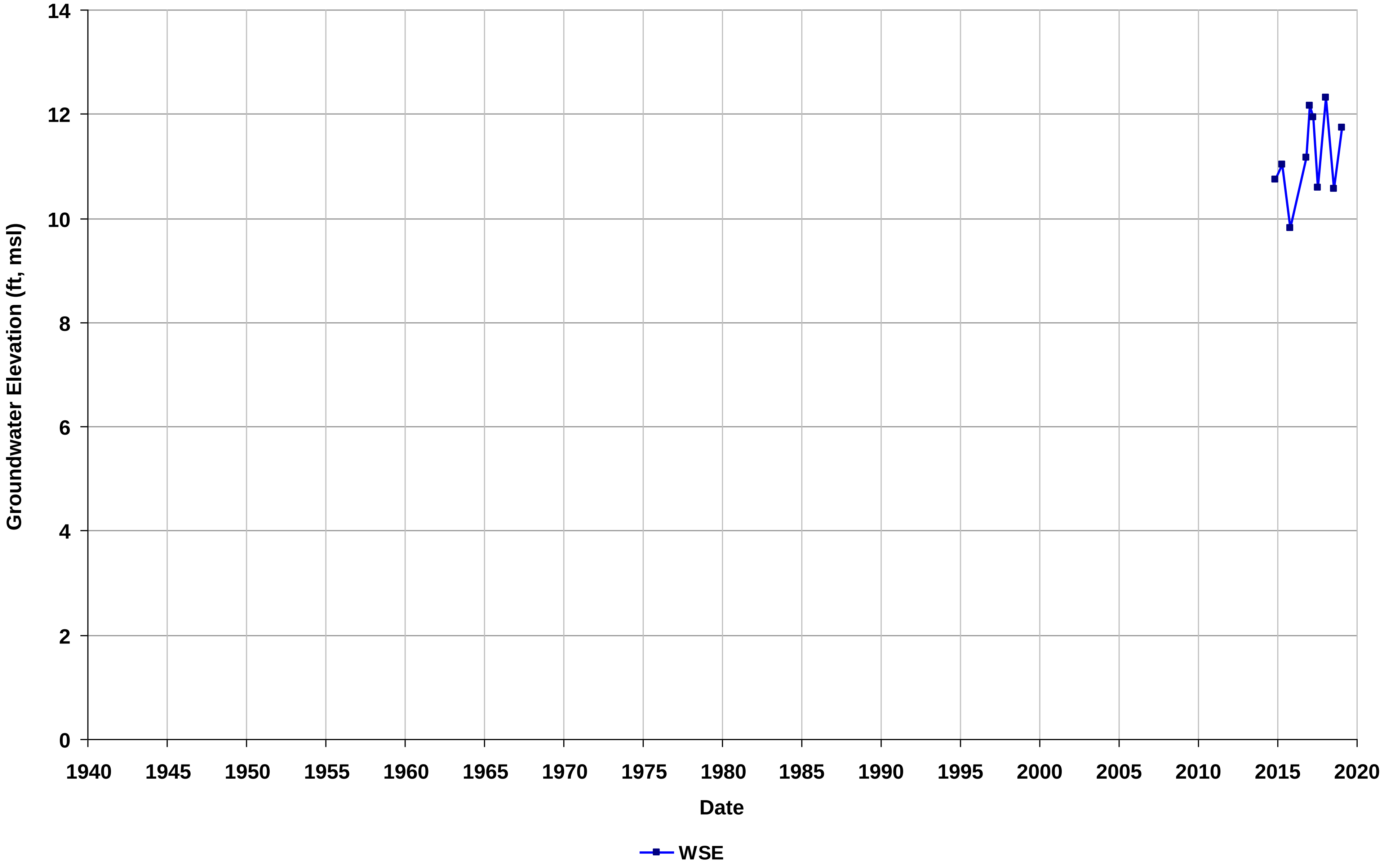
Well Name: T0600102256-MW-5A
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/13
Well Use: Observation



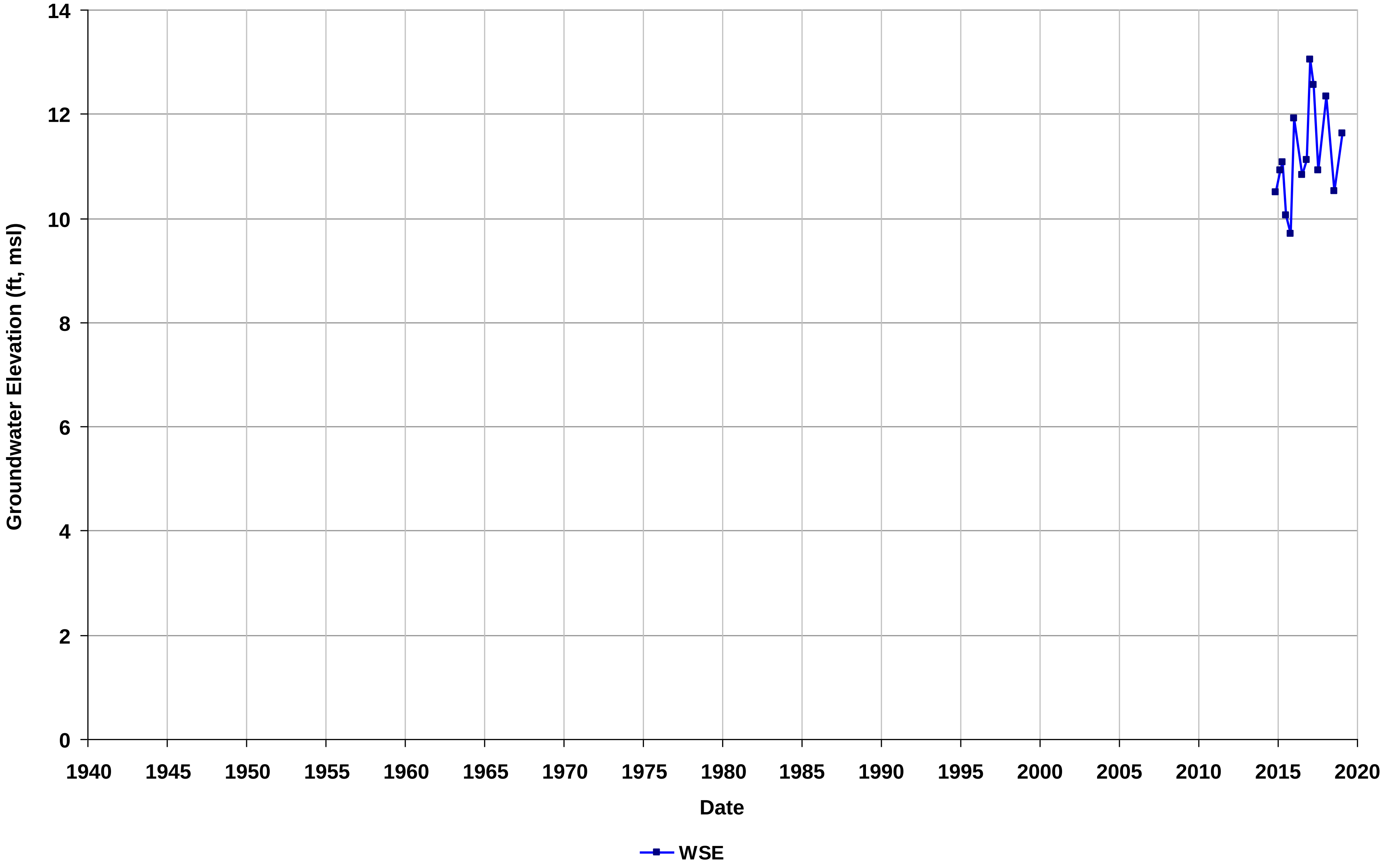
Well Name: T0600102256-MW-5B
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/13
Well Use: Observation



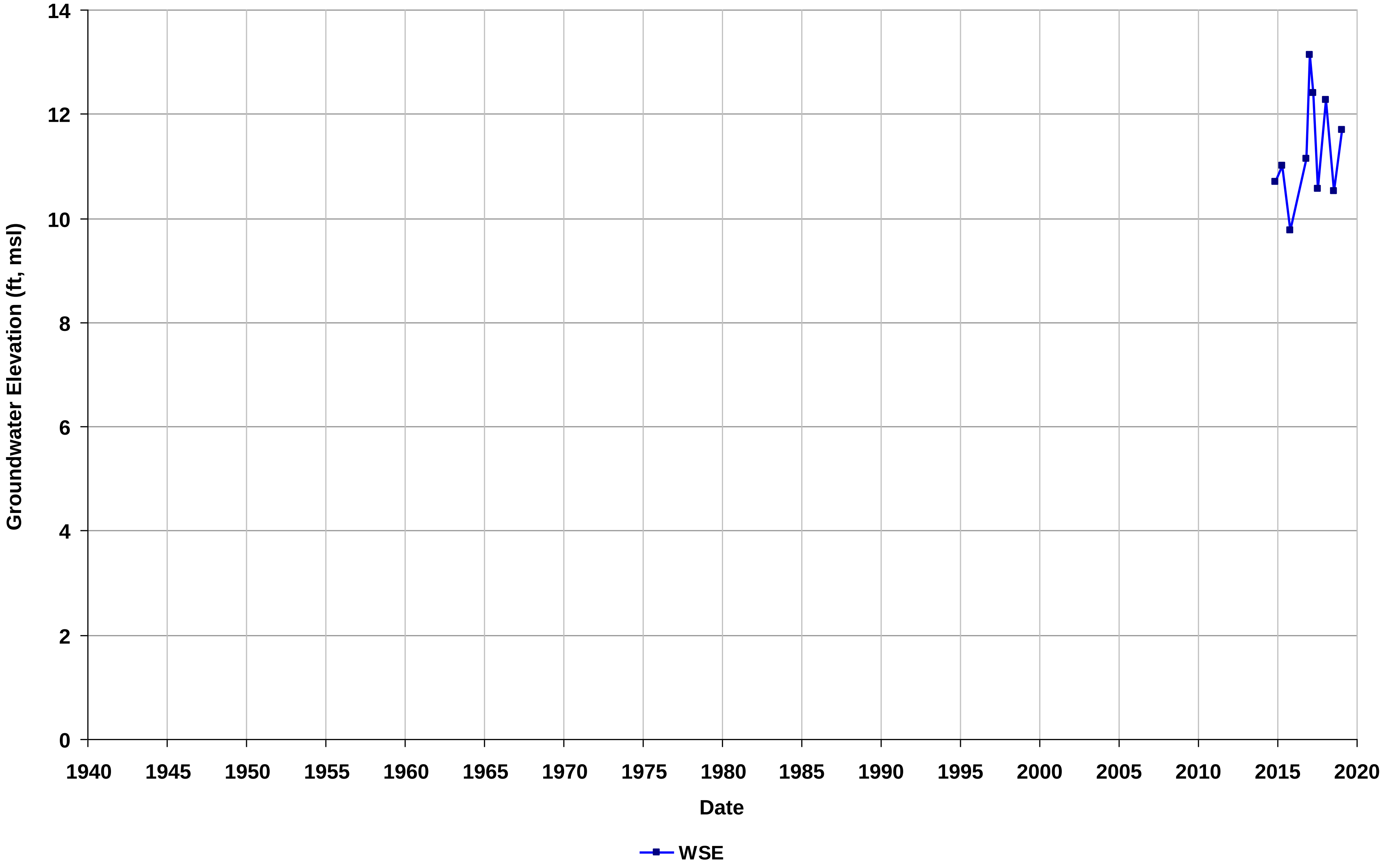
Well Name: T0600102256-MW-6A
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/13
Well Use: Observation



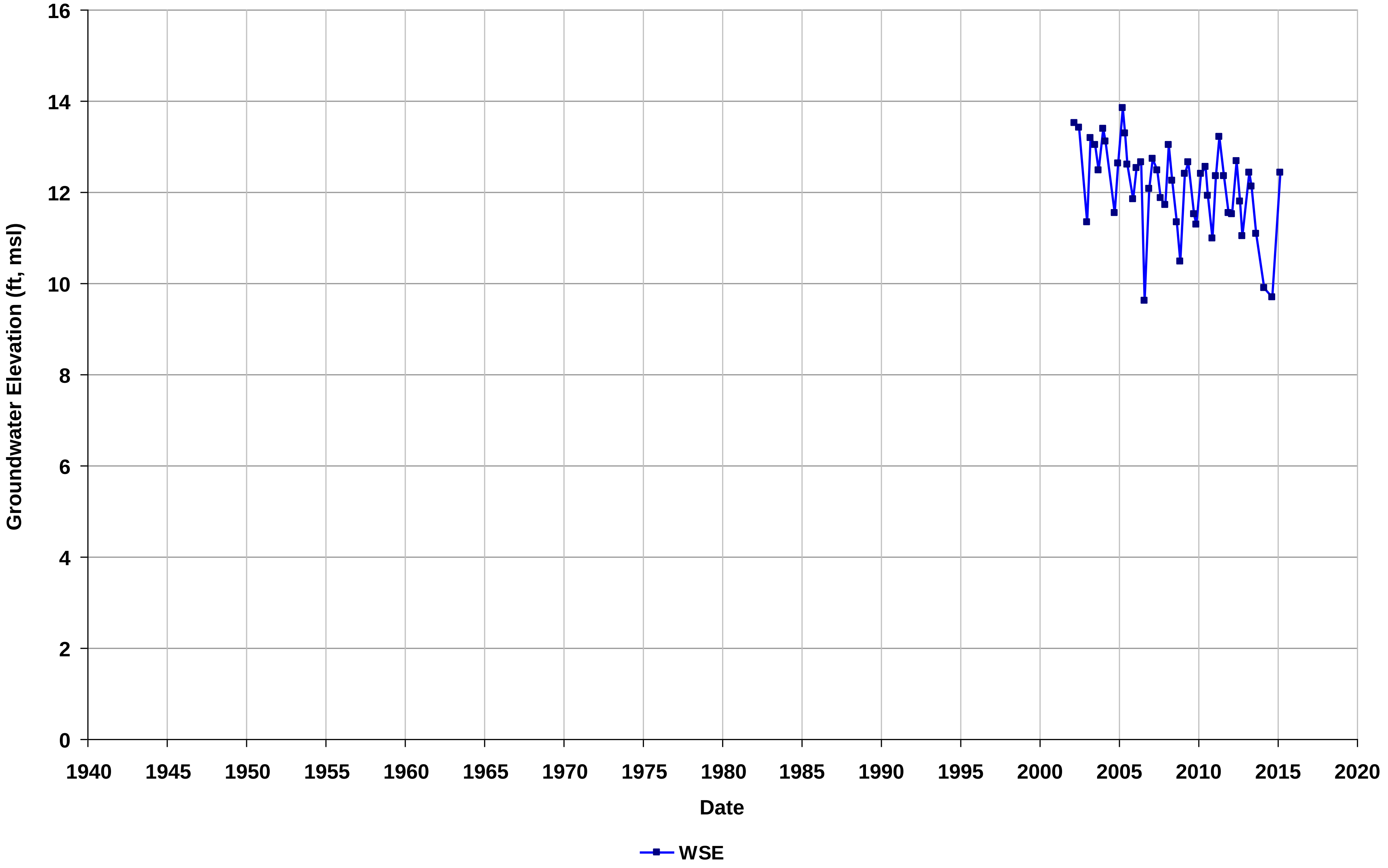
Well Name: T0600102256-MW-6B
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/03W/13
Well Use: Observation



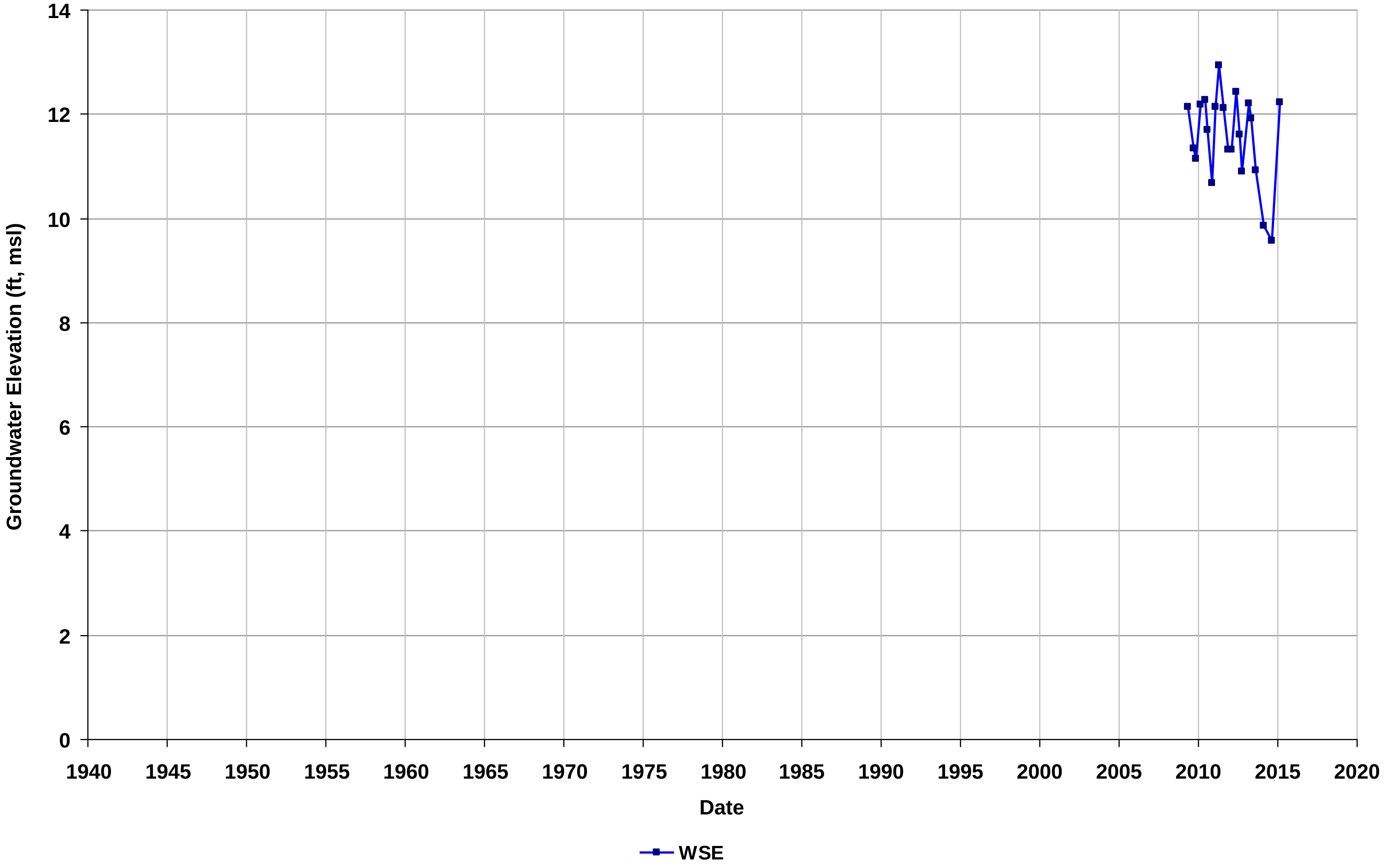
Well Name: T0600102263-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/04W/11
Well Use: Observation



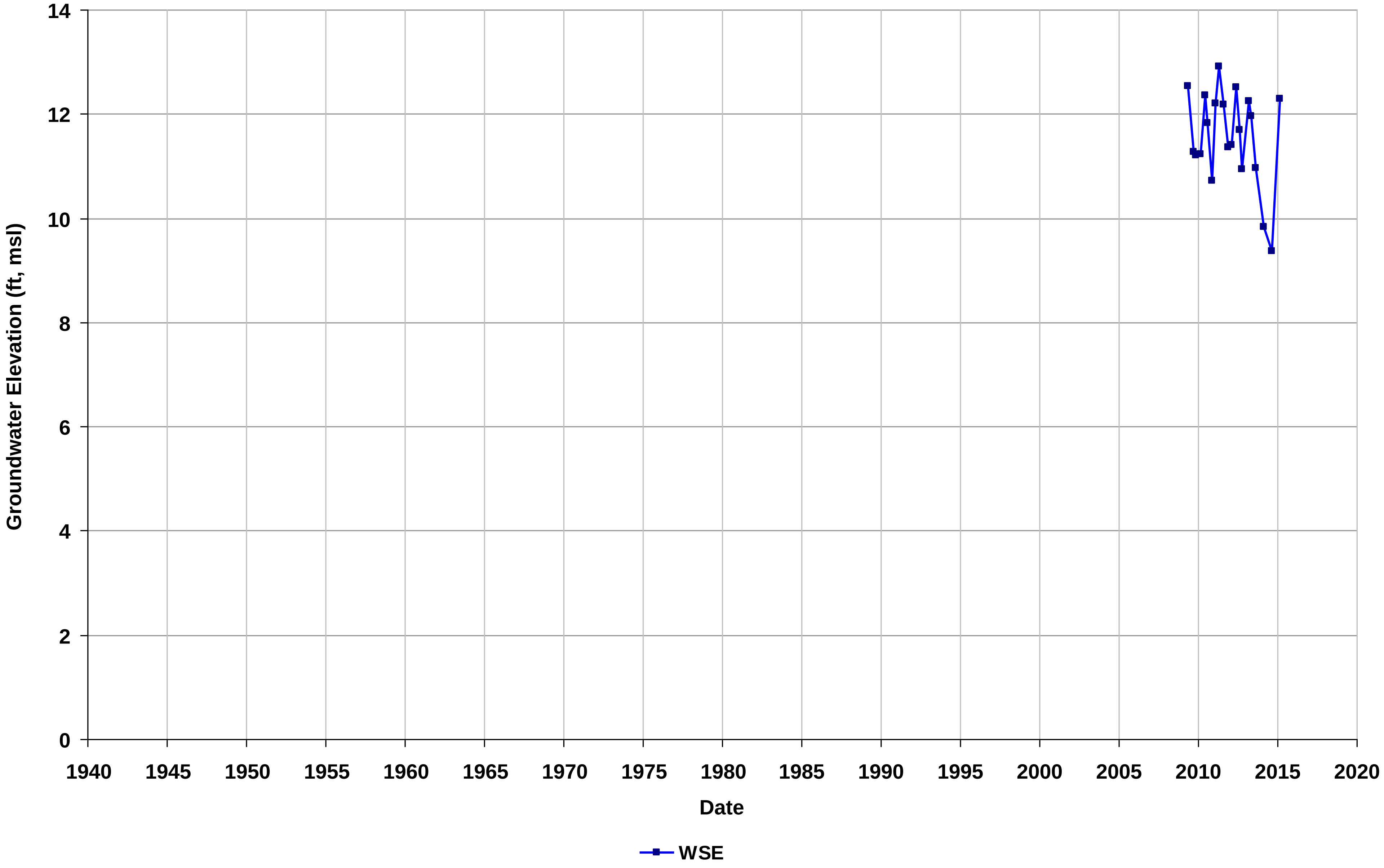
Well Name: T0600102263-MW-10
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/04W/11
Well Use: Observation



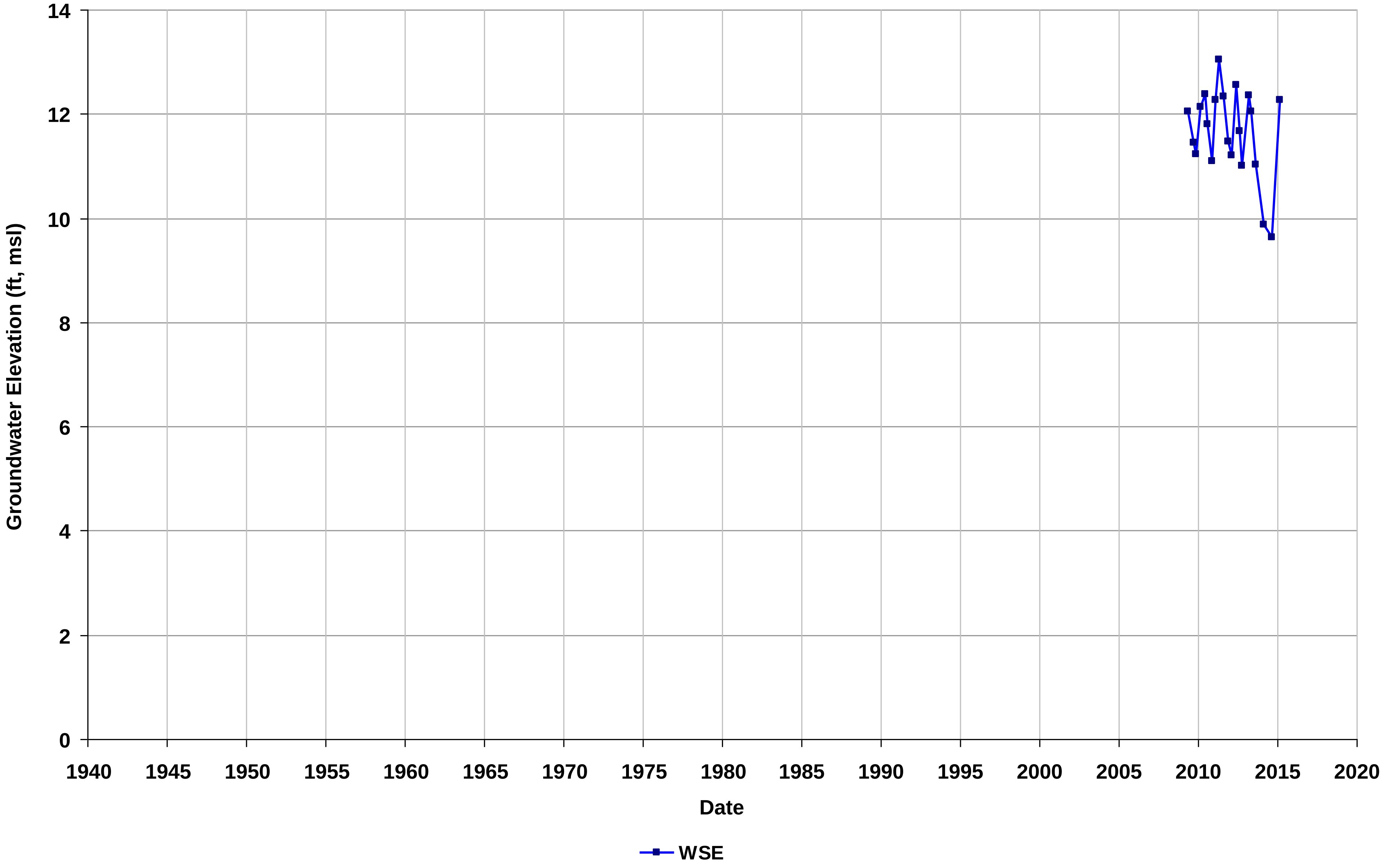
Well Name: T0600102263-MW-11
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/04W/11
Well Use: Observation



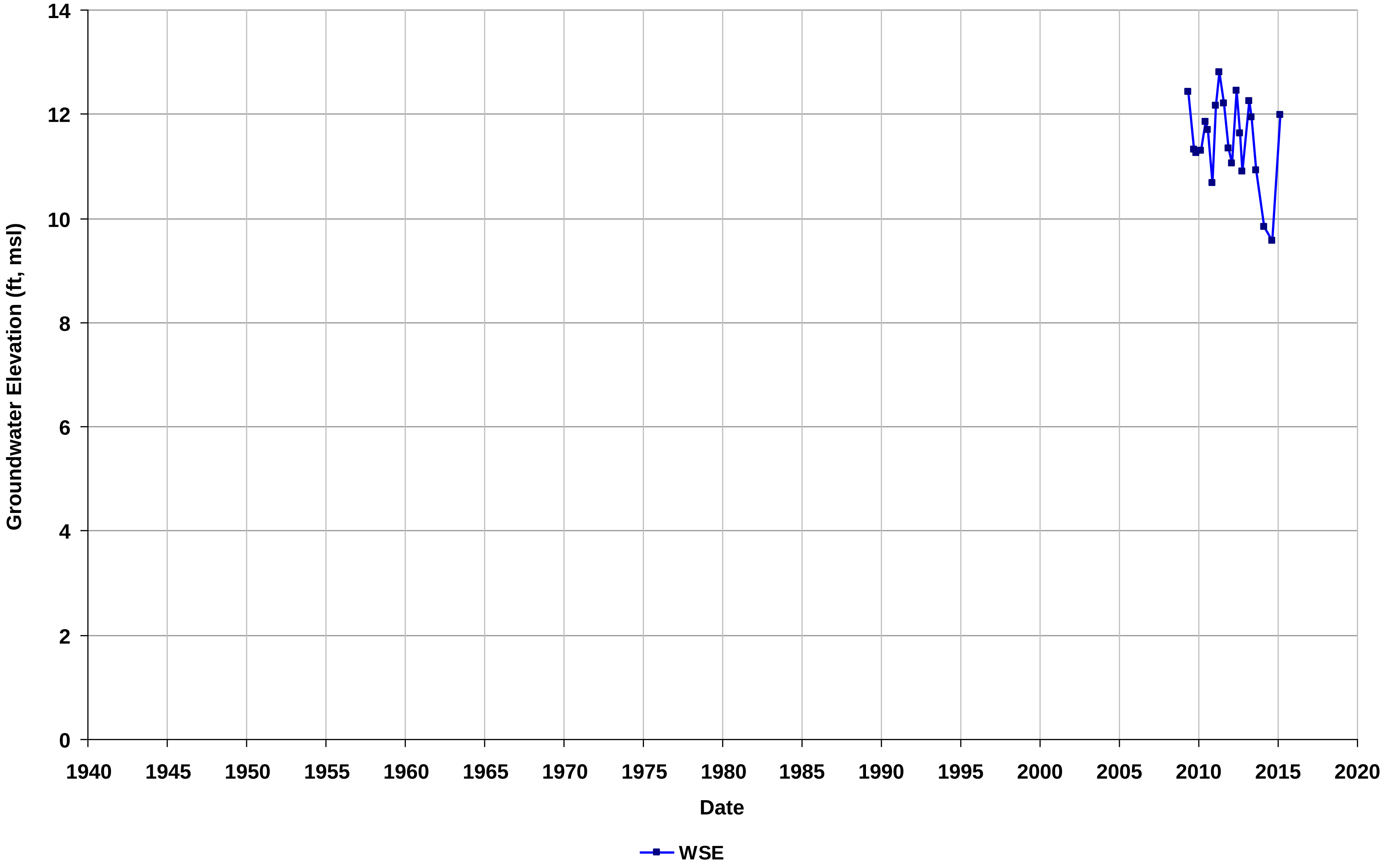
Well Name: T0600102263-MW-1AR
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/04W/11
Well Use: Observation



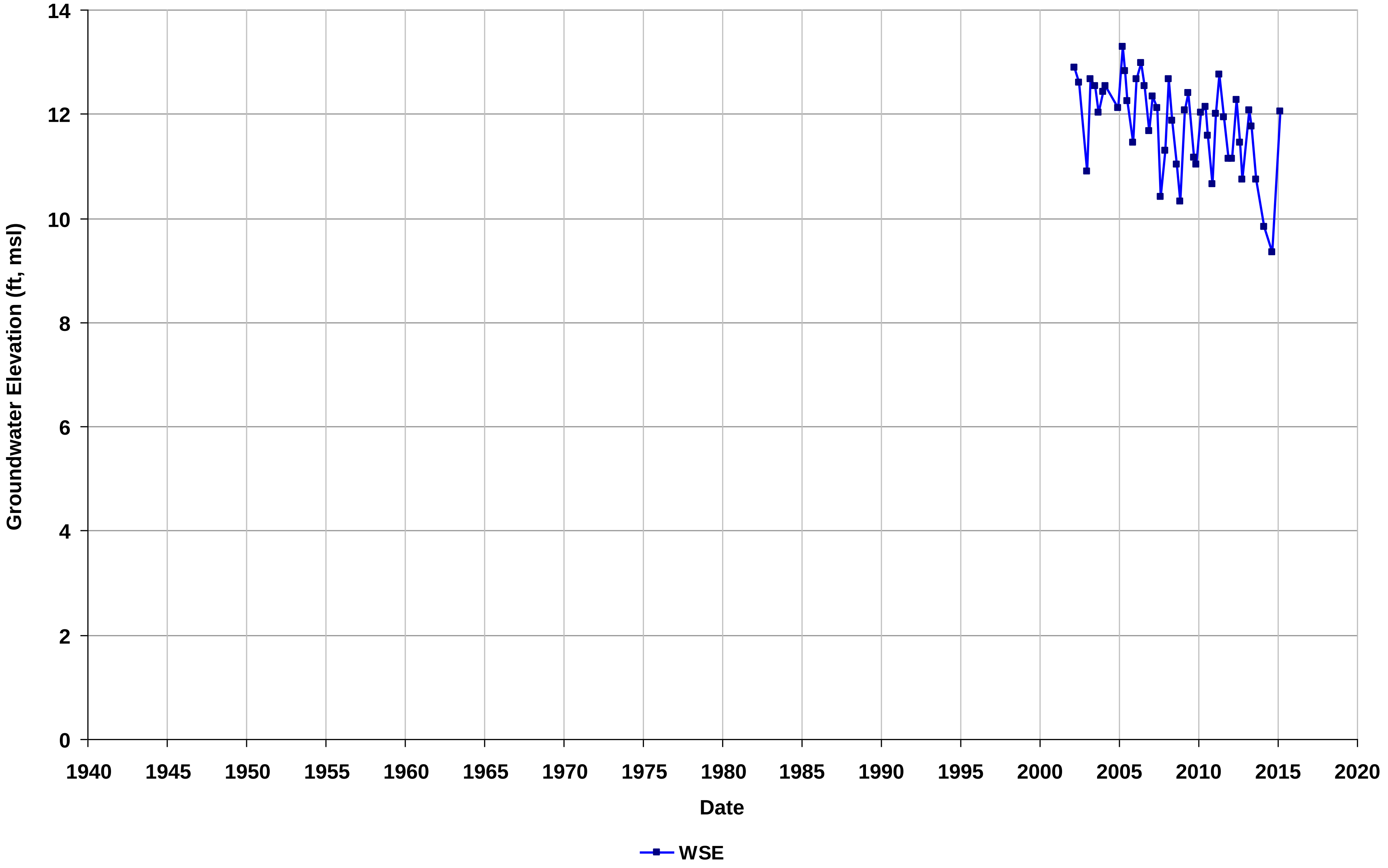
Well Name: T0600102263-MW-1BR
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/04W/11
Well Use: Observation



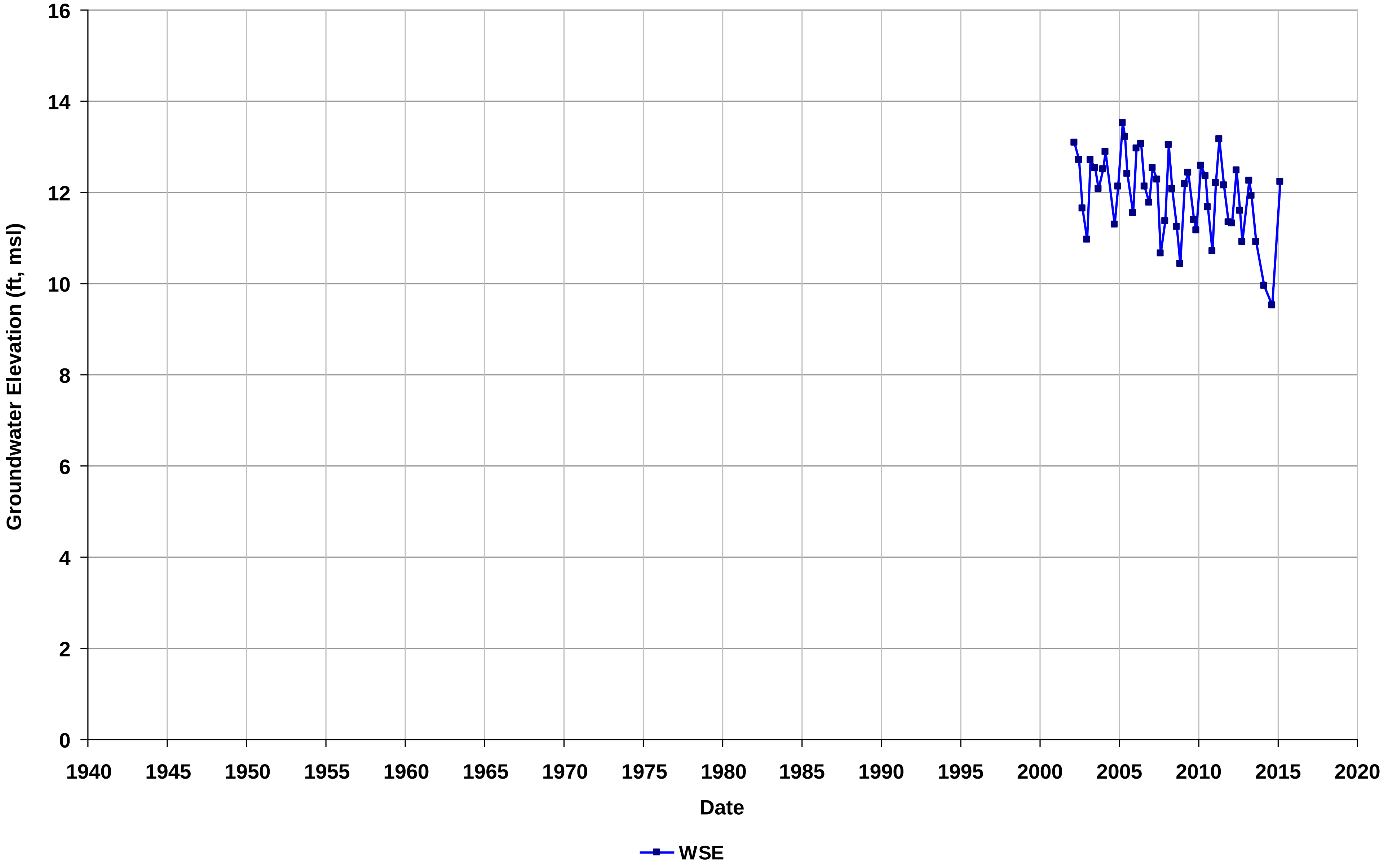
Well Name: T0600102263-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/04W/11
Well Use: Observation



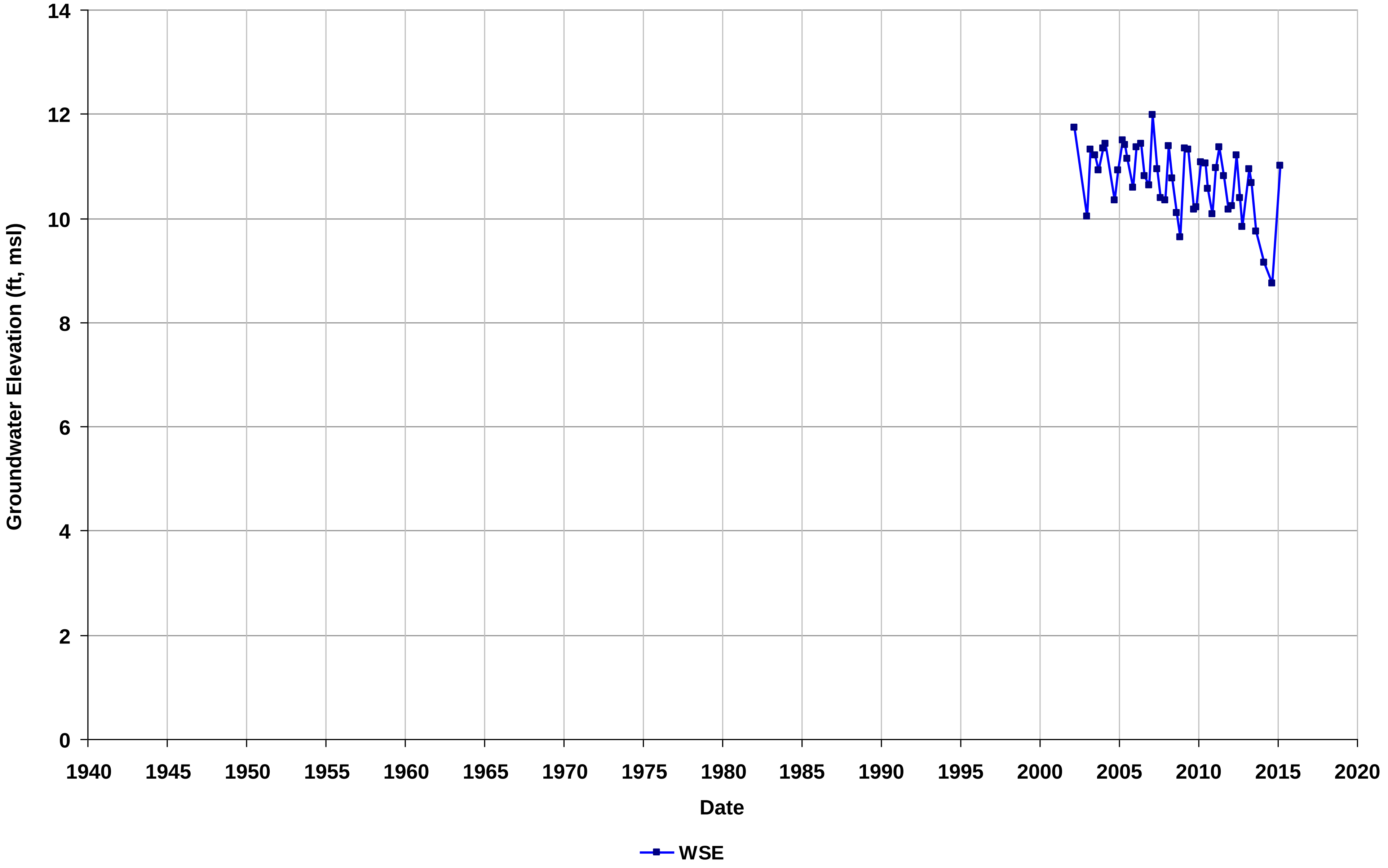
Well Name: T0600102263-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/04W/11
Well Use: Observation



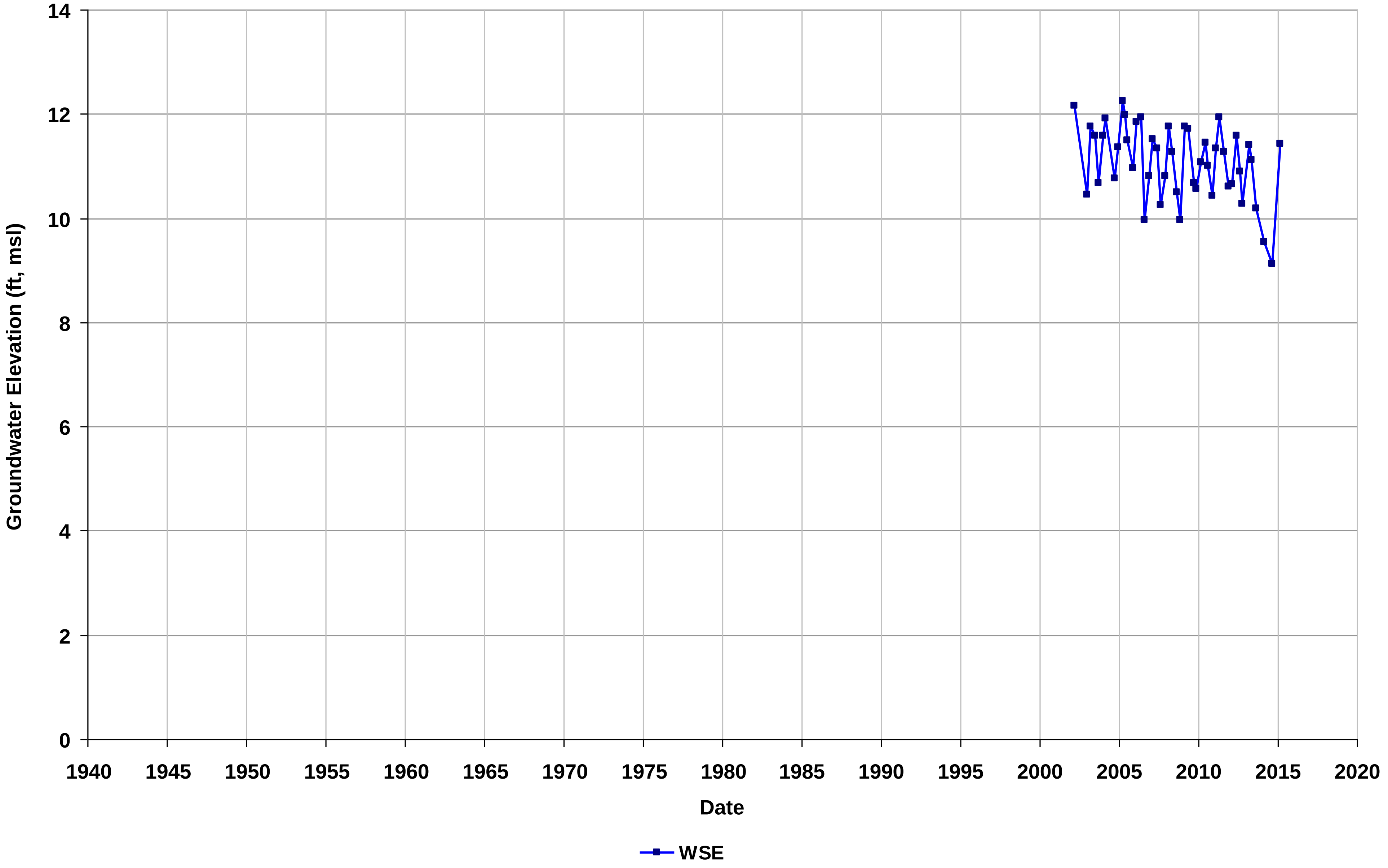
Well Name: T0600102263-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/04W/11
Well Use: Observation



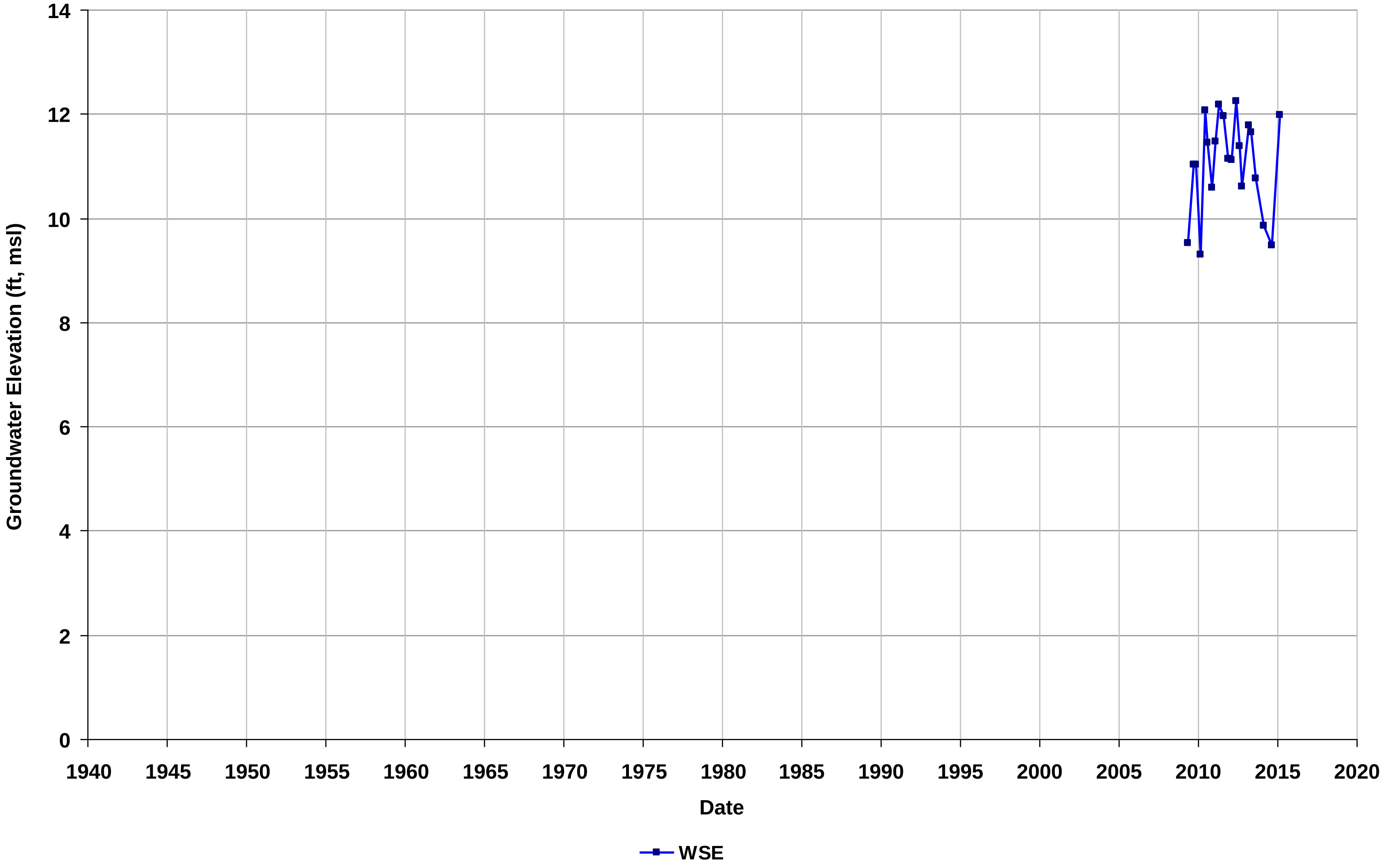
Well Name: T0600102263-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/04W/11
Well Use: Observation



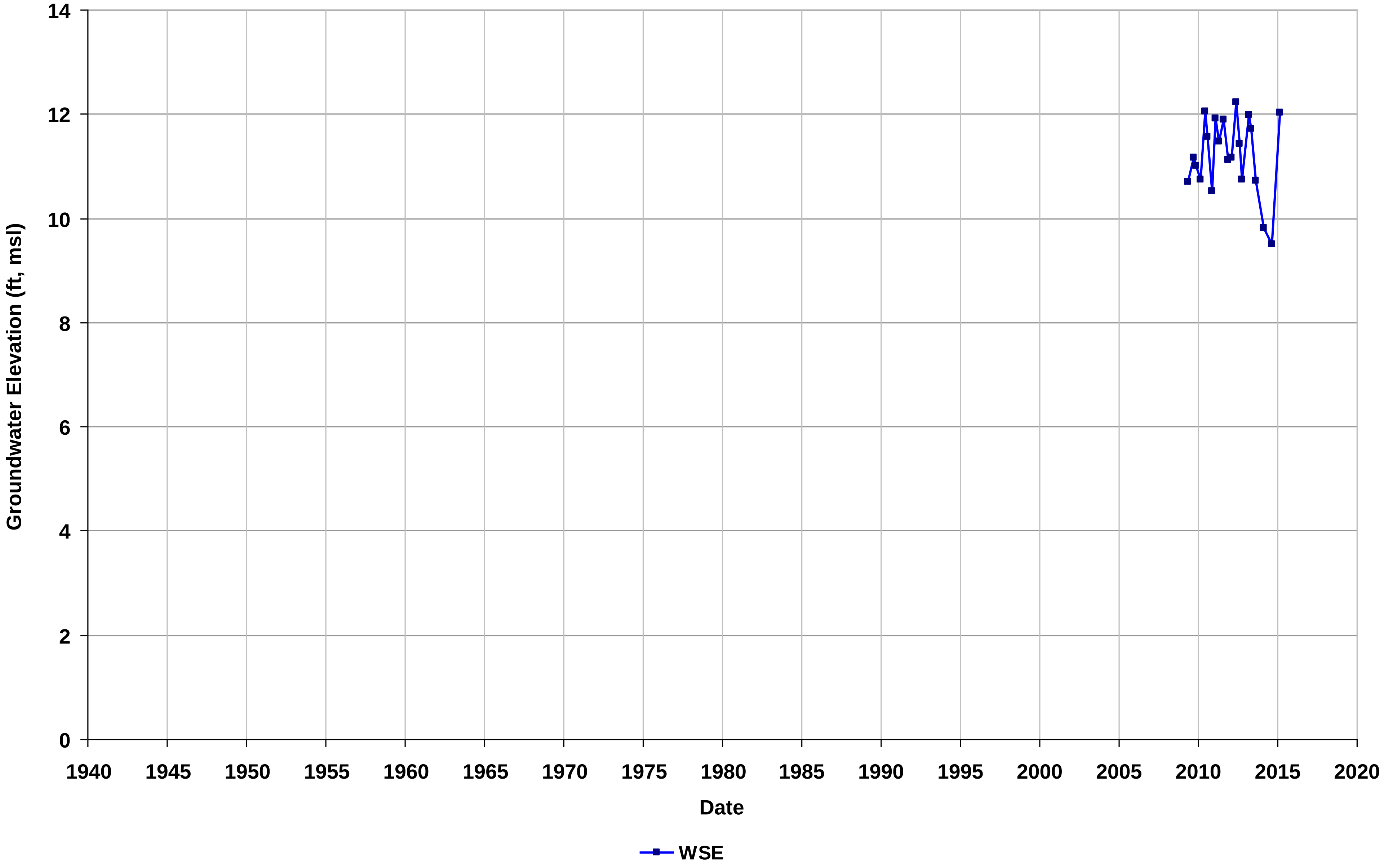
Well Name: T0600102263-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/04W/11
Well Use: Observation



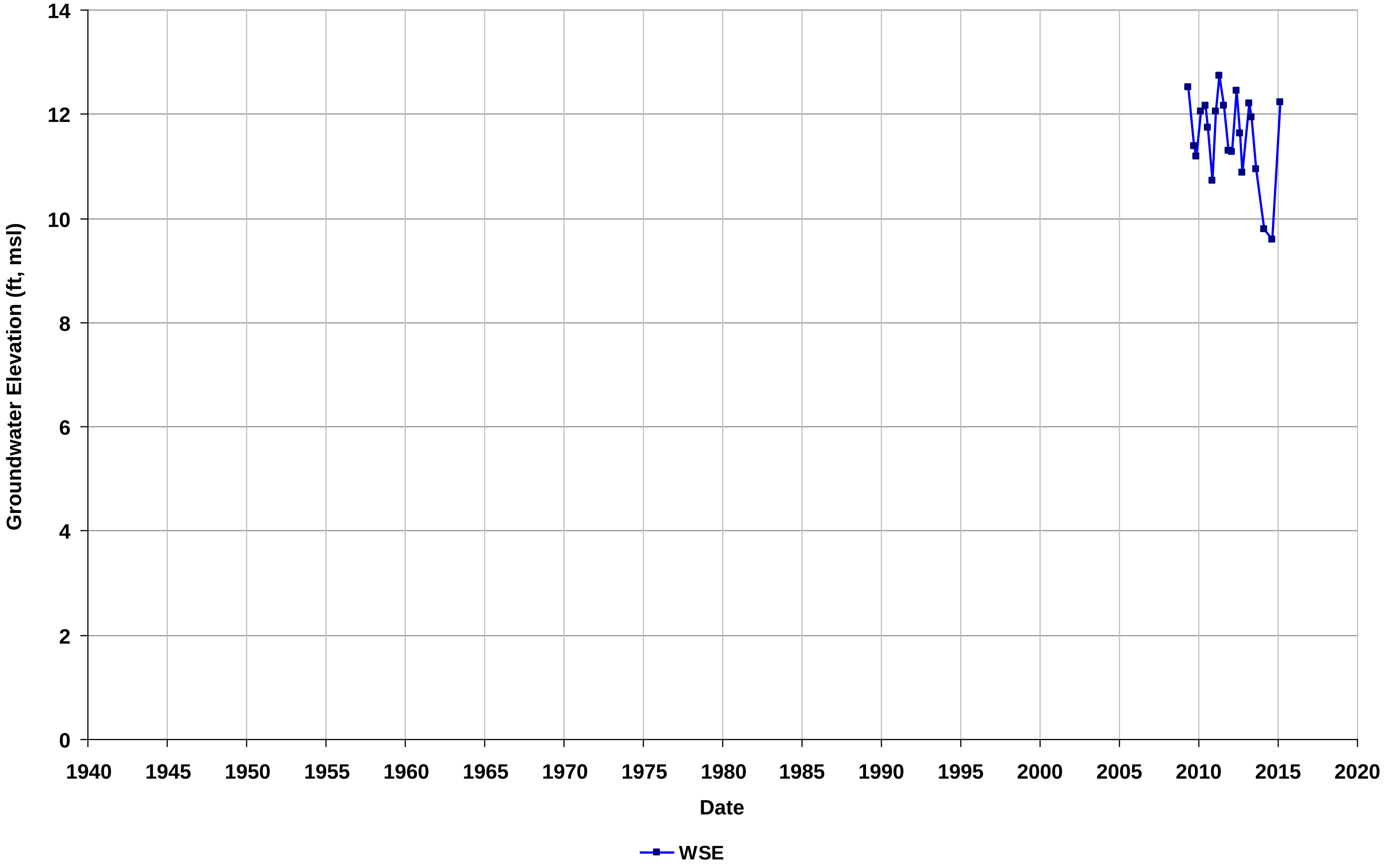
Well Name: T0600102263-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/04W/11
Well Use: Observation



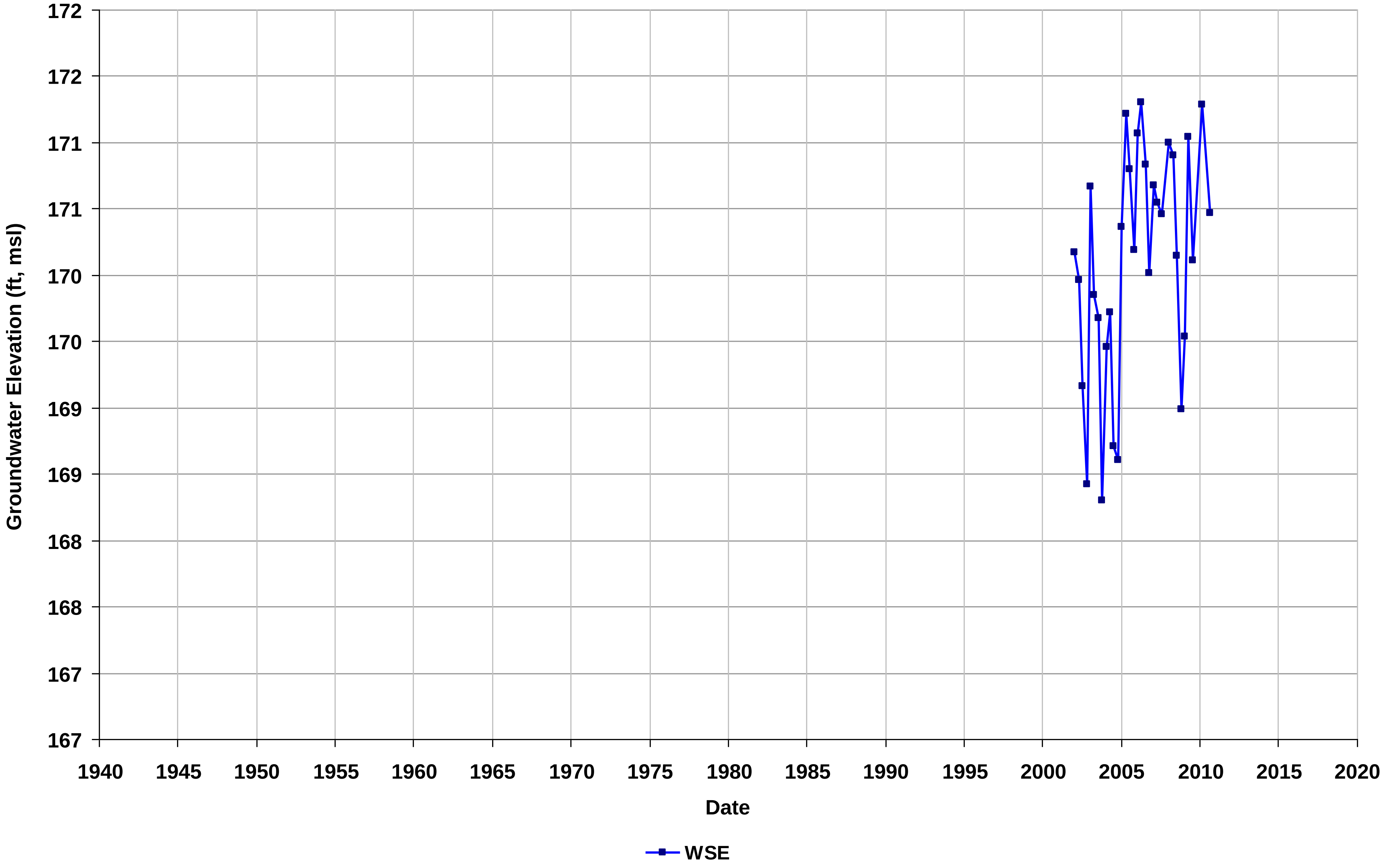
Well Name: T0600102263-MW-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/04W/11
Well Use: Observation



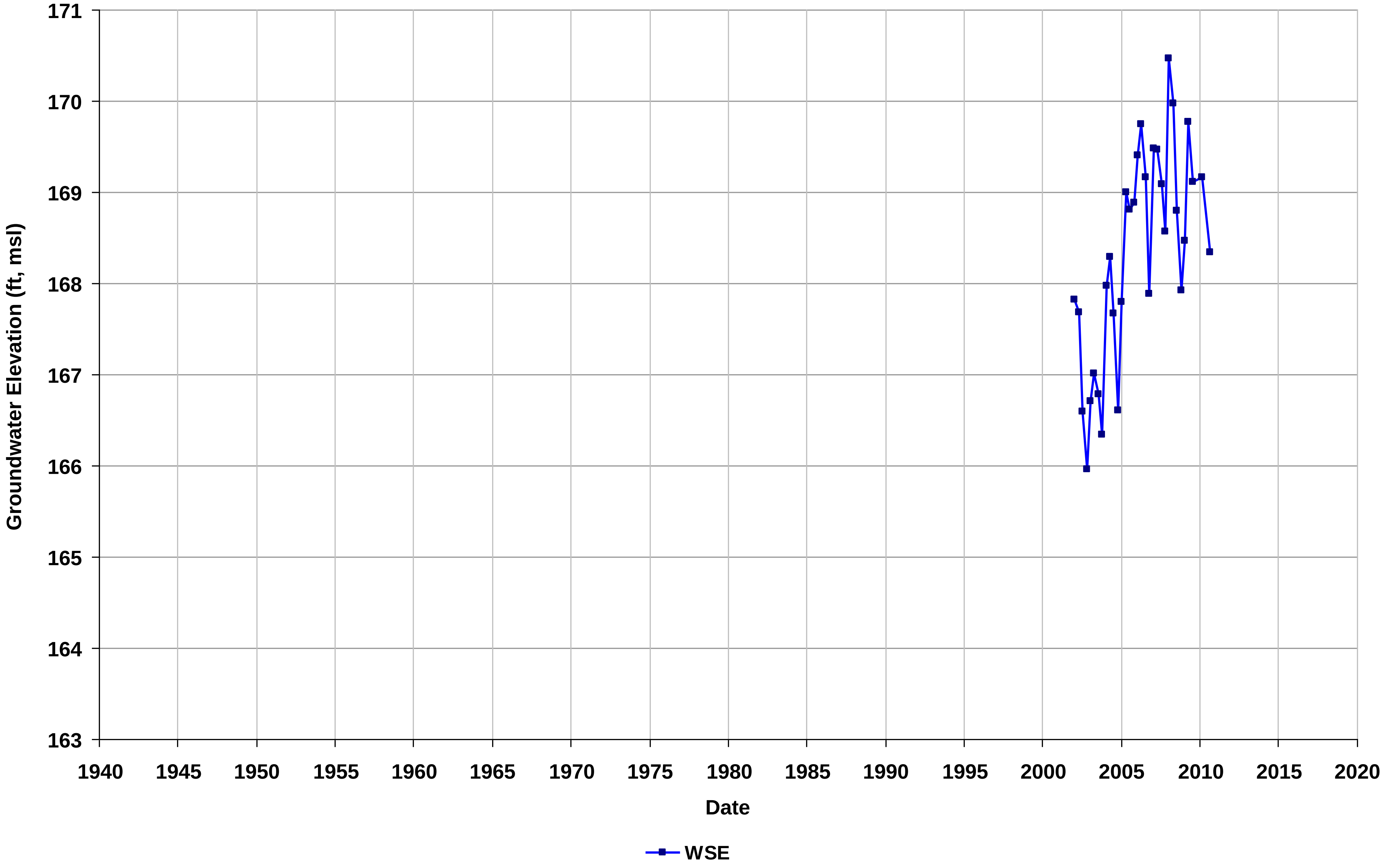
Well Name: T0600102279-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



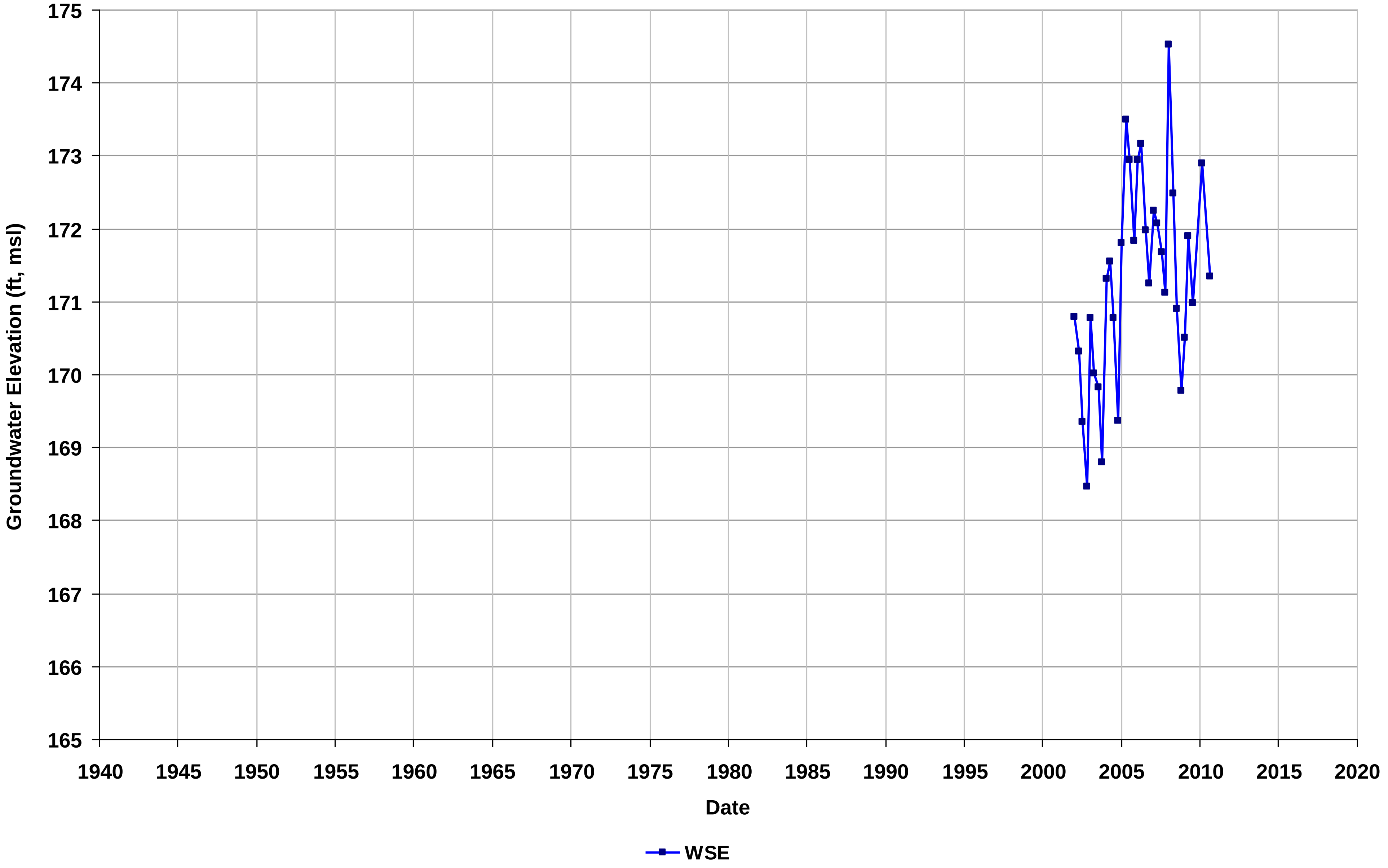
Well Name: T0600102279-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



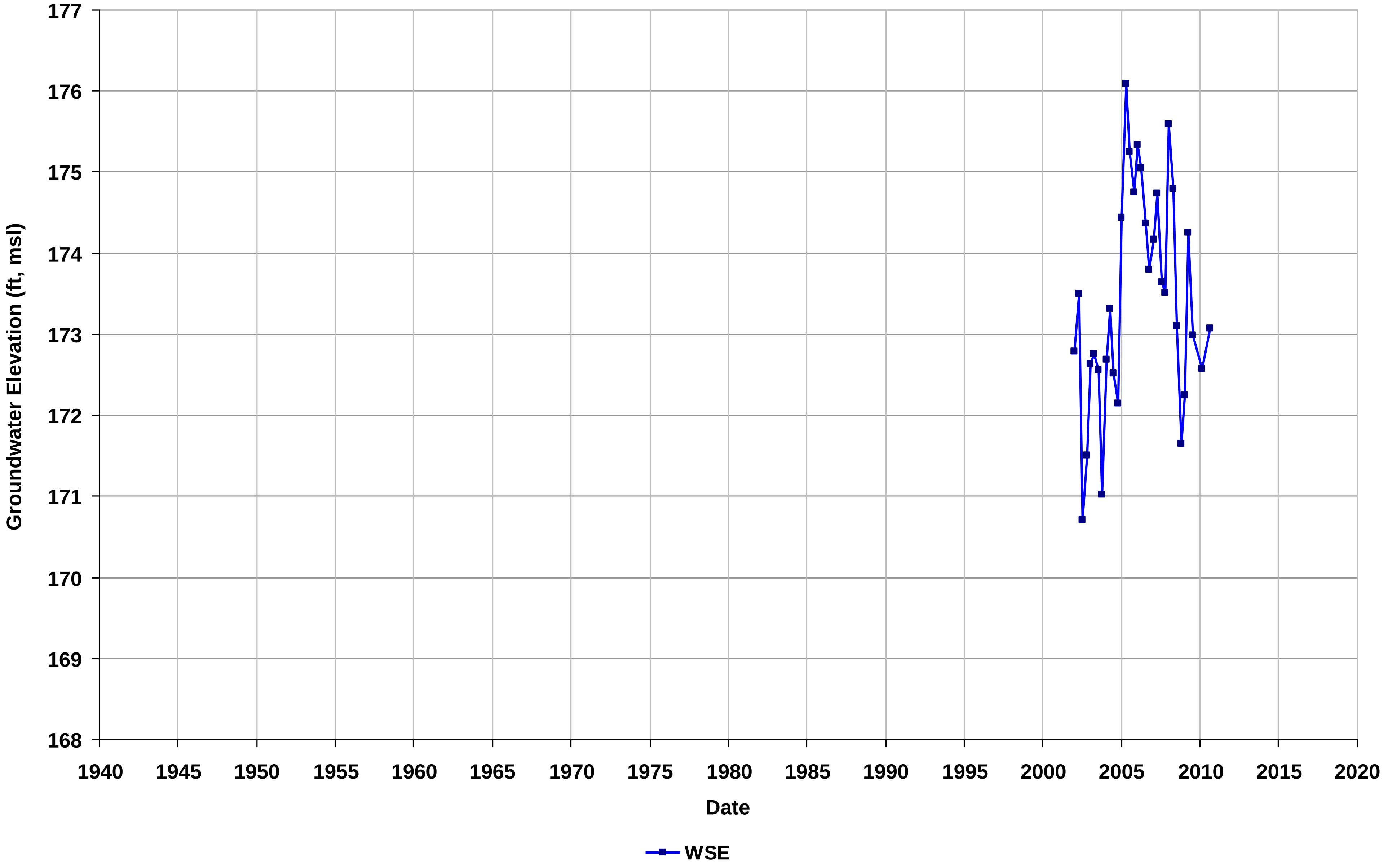
Well Name: T0600102279-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



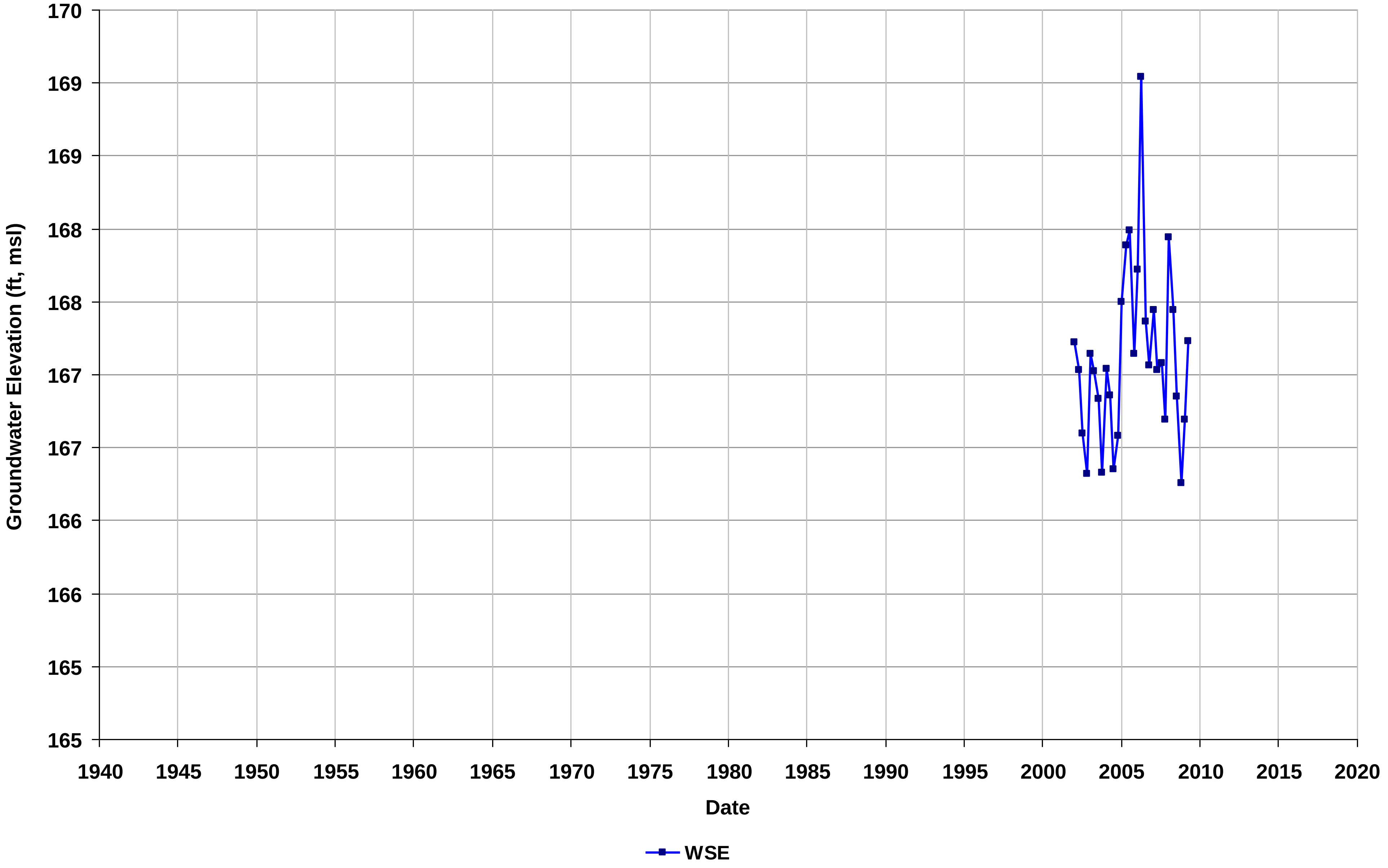
Well Name: T0600102279-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



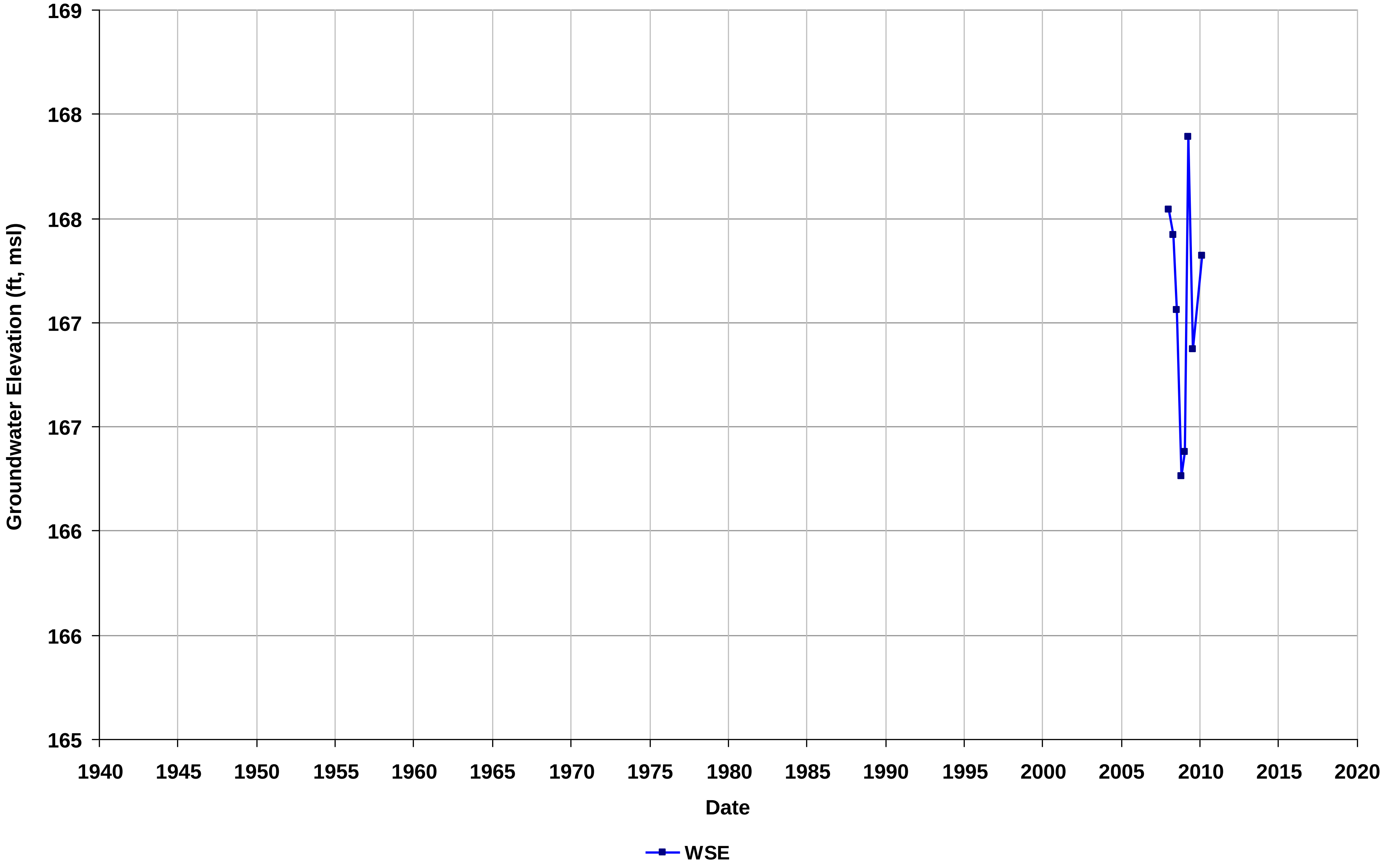
Well Name: T0600102279-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



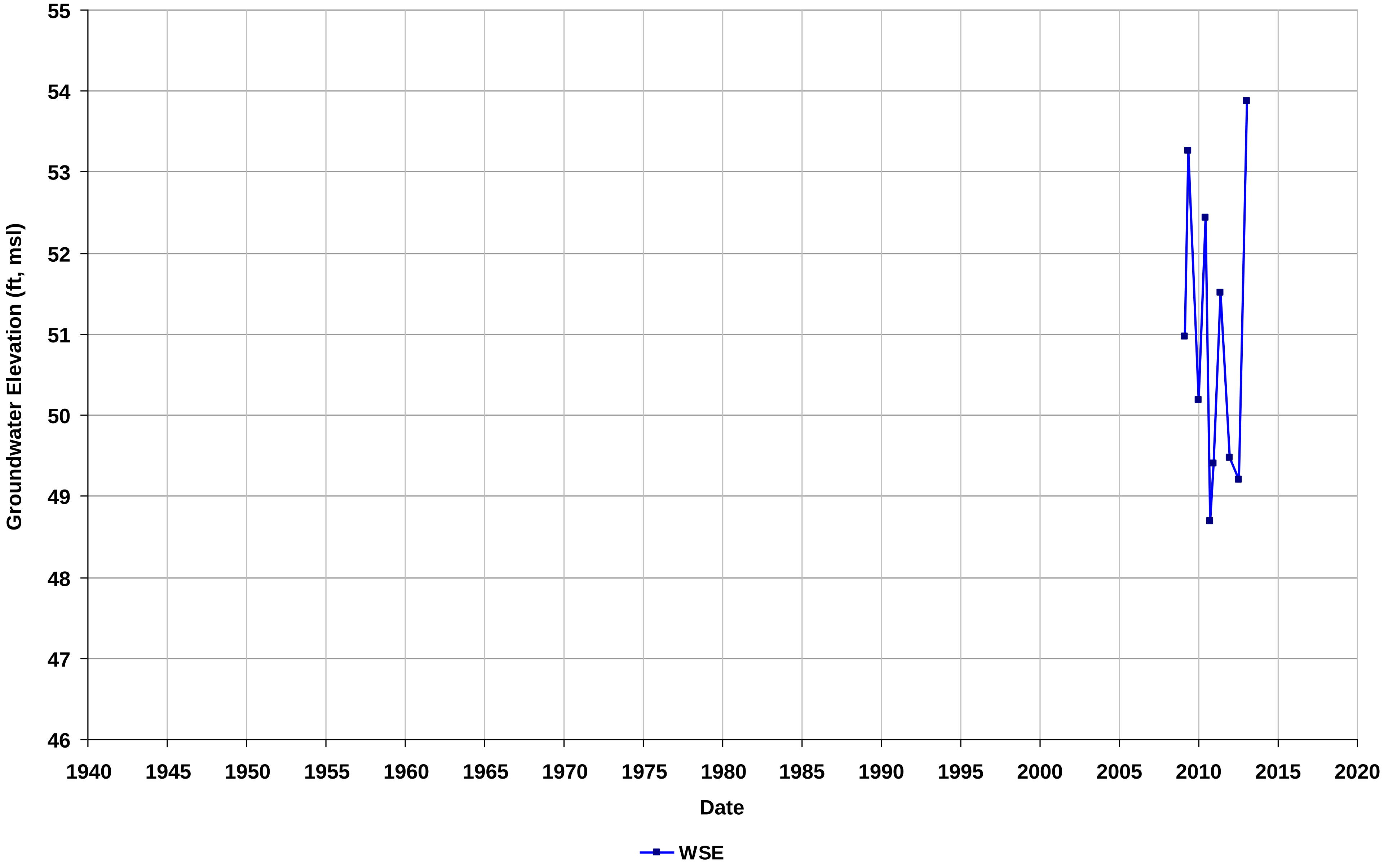
Well Name: T0600102279-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/04
Well Use: Observation



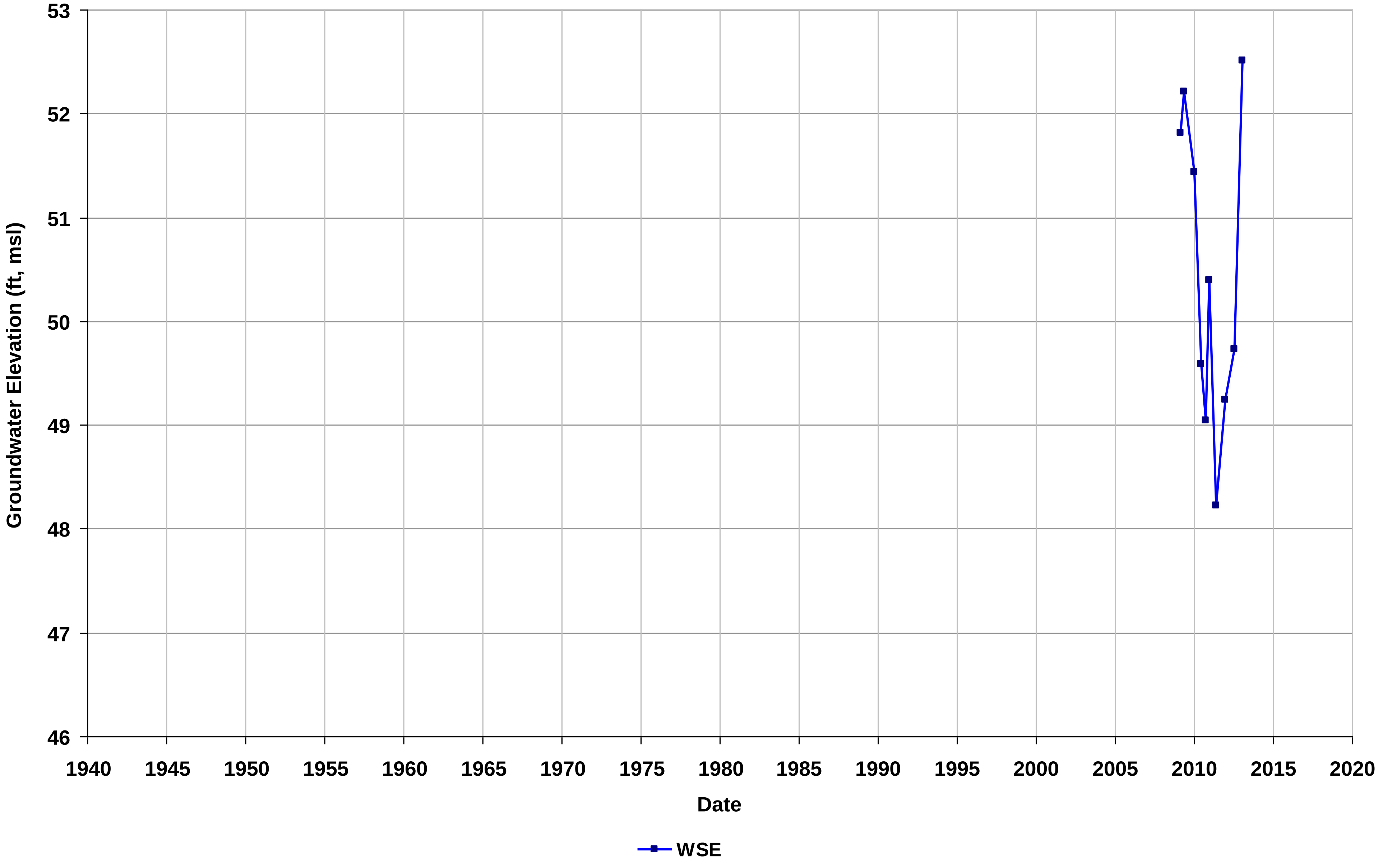
Well Name: T0600102286-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



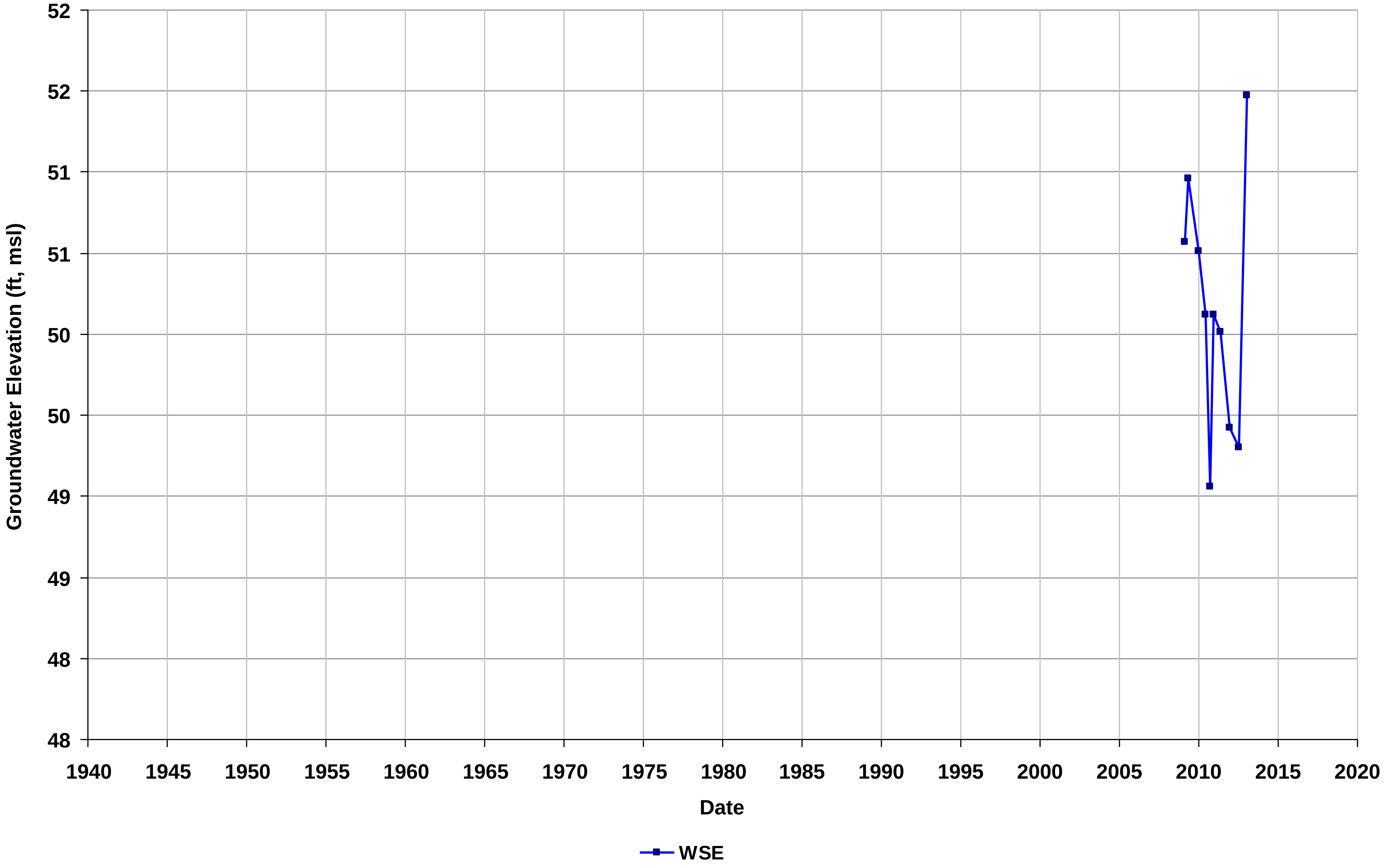
Well Name: T0600102286-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



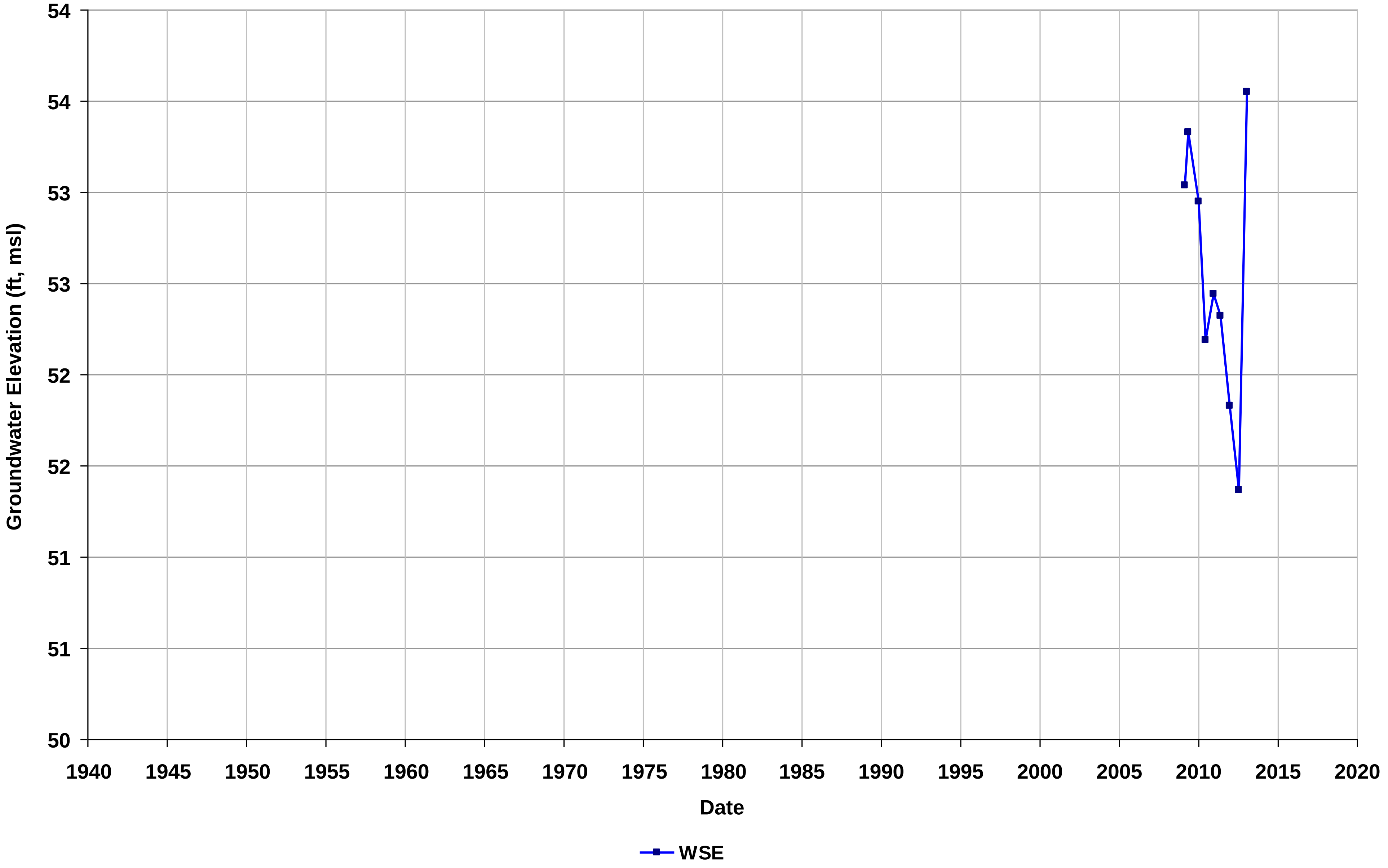
Well Name: T0600102286-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



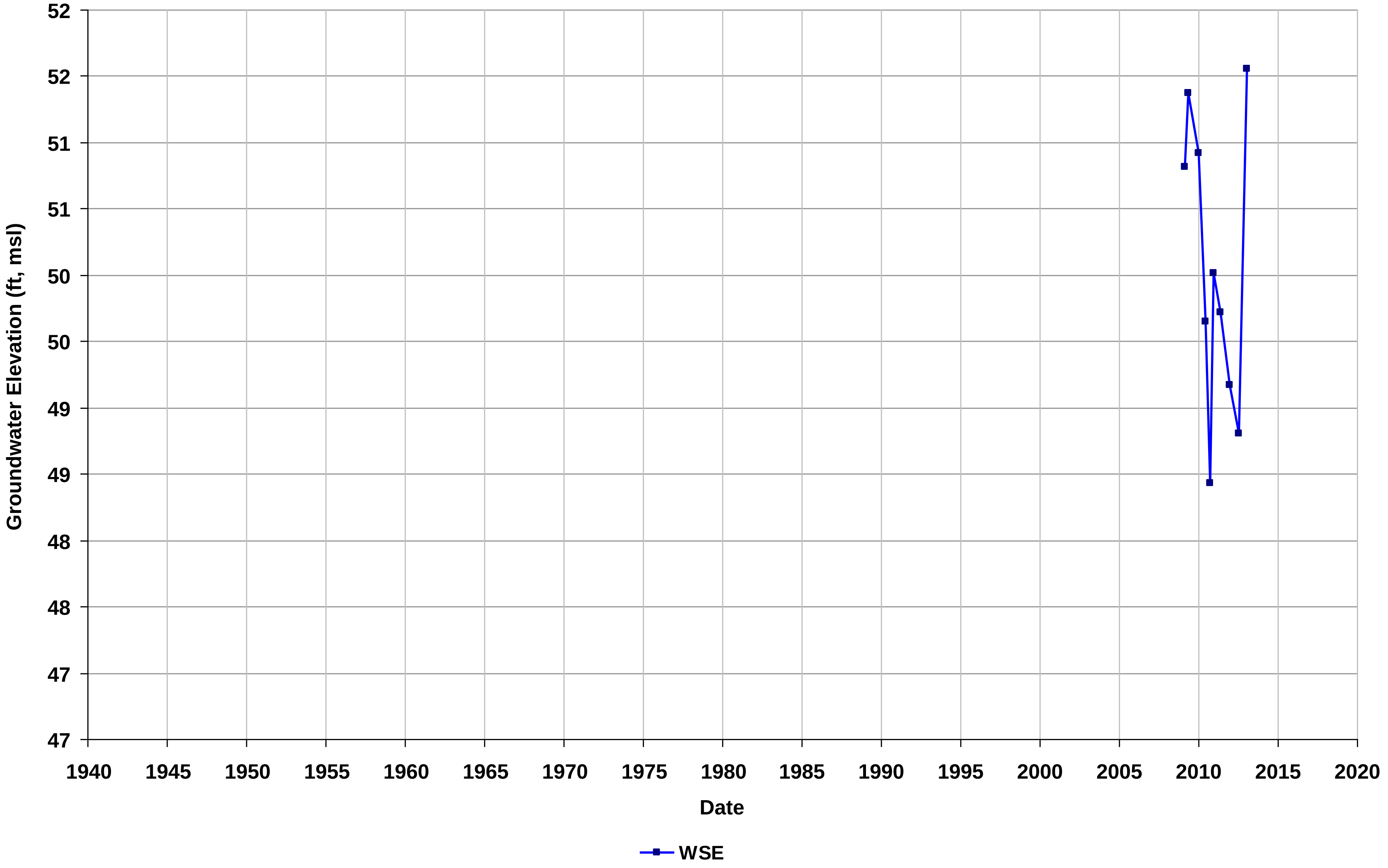
Well Name: T0600102286-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



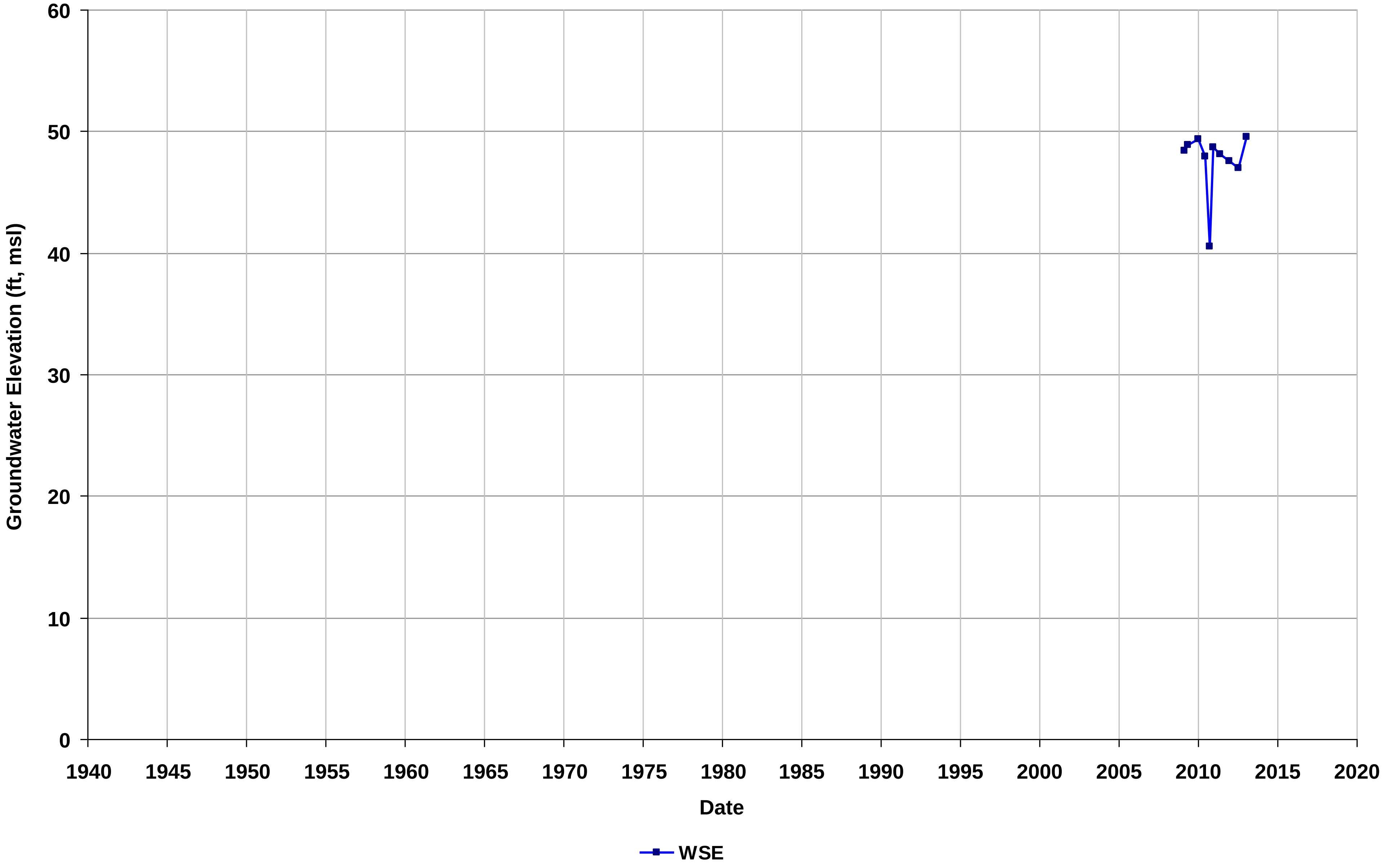
Well Name: T0600102286-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



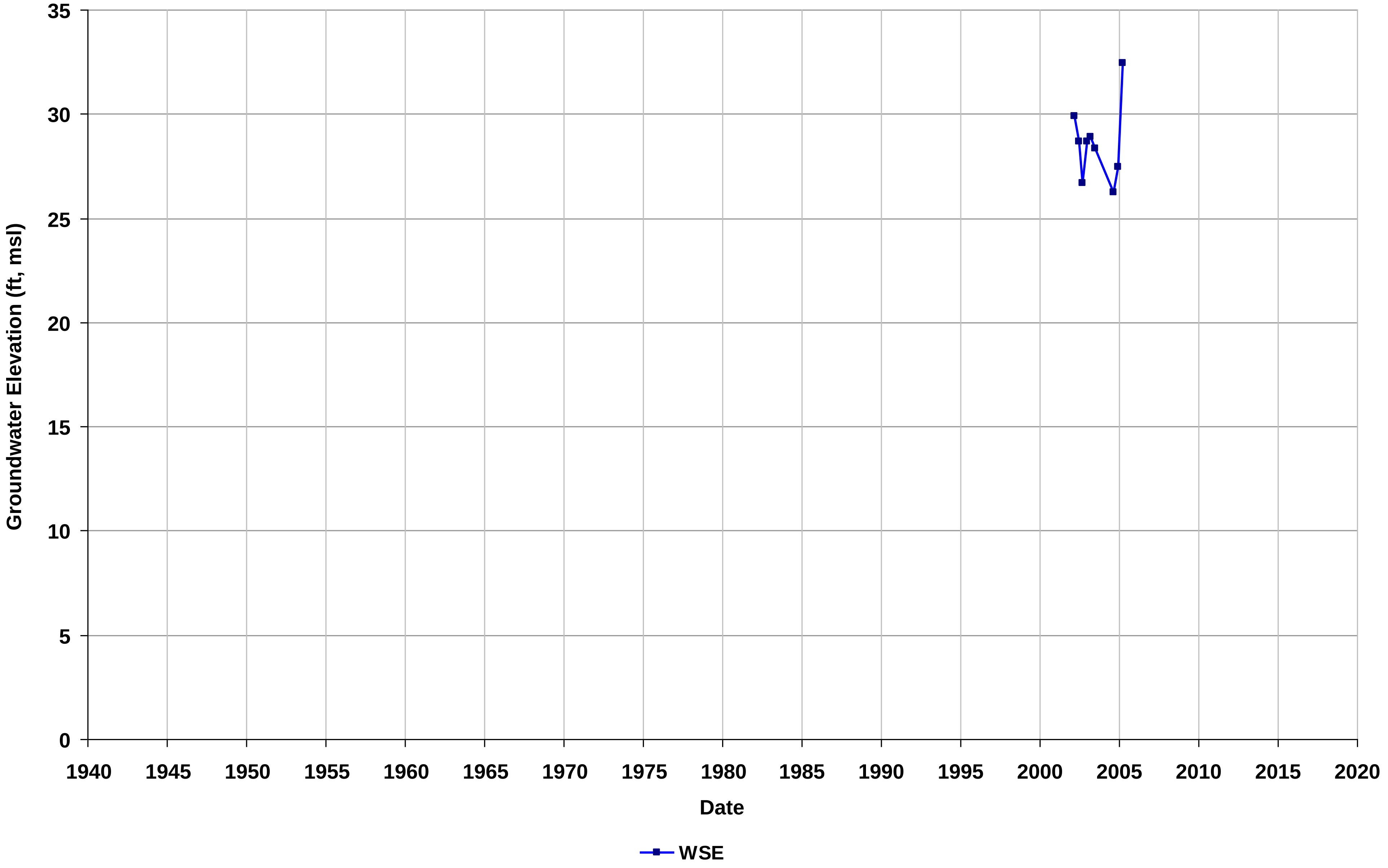
Well Name: T0600102286-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/10
Well Use: Observation



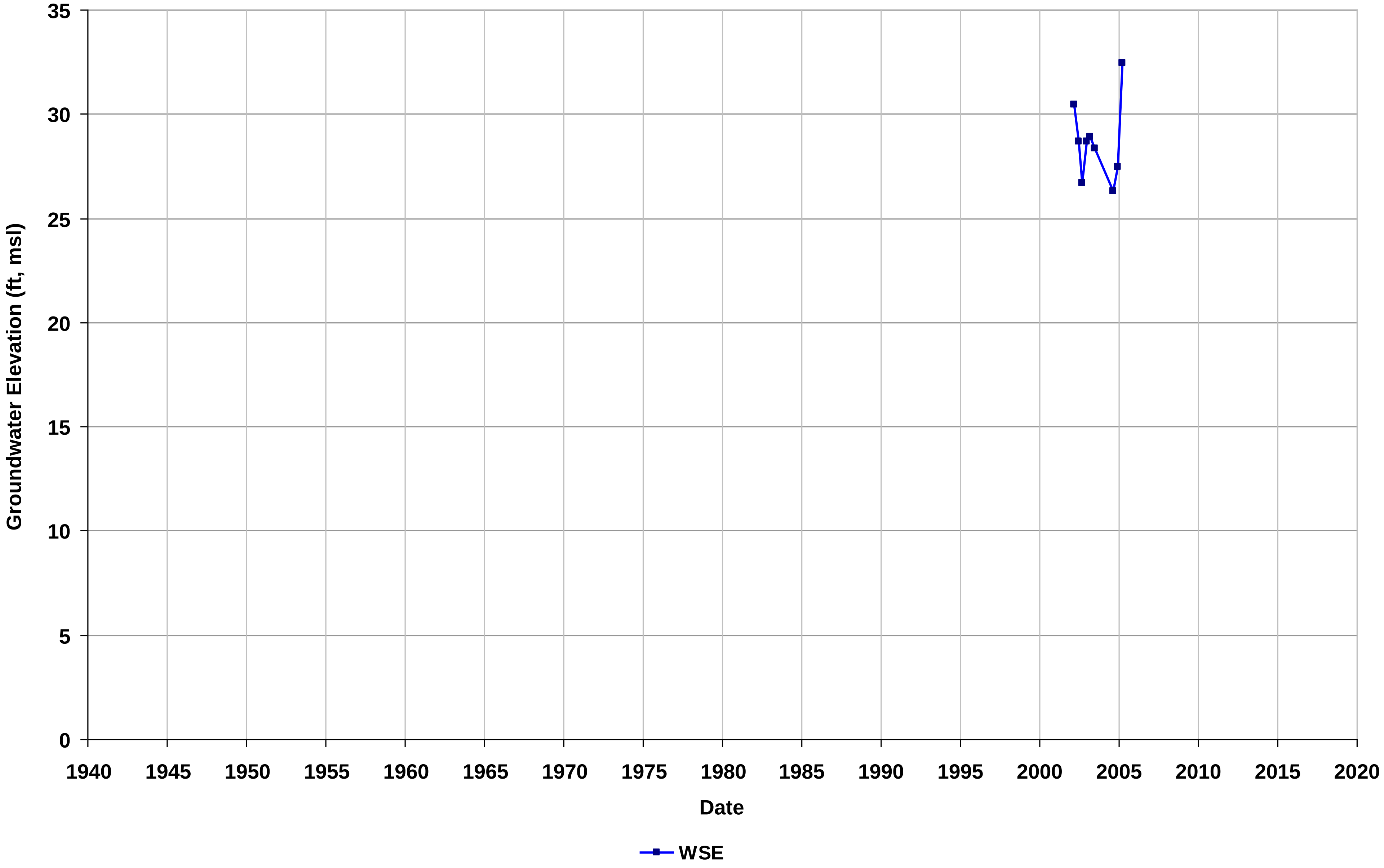
Well Name: T0600102288-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/26
Well Use: Observation



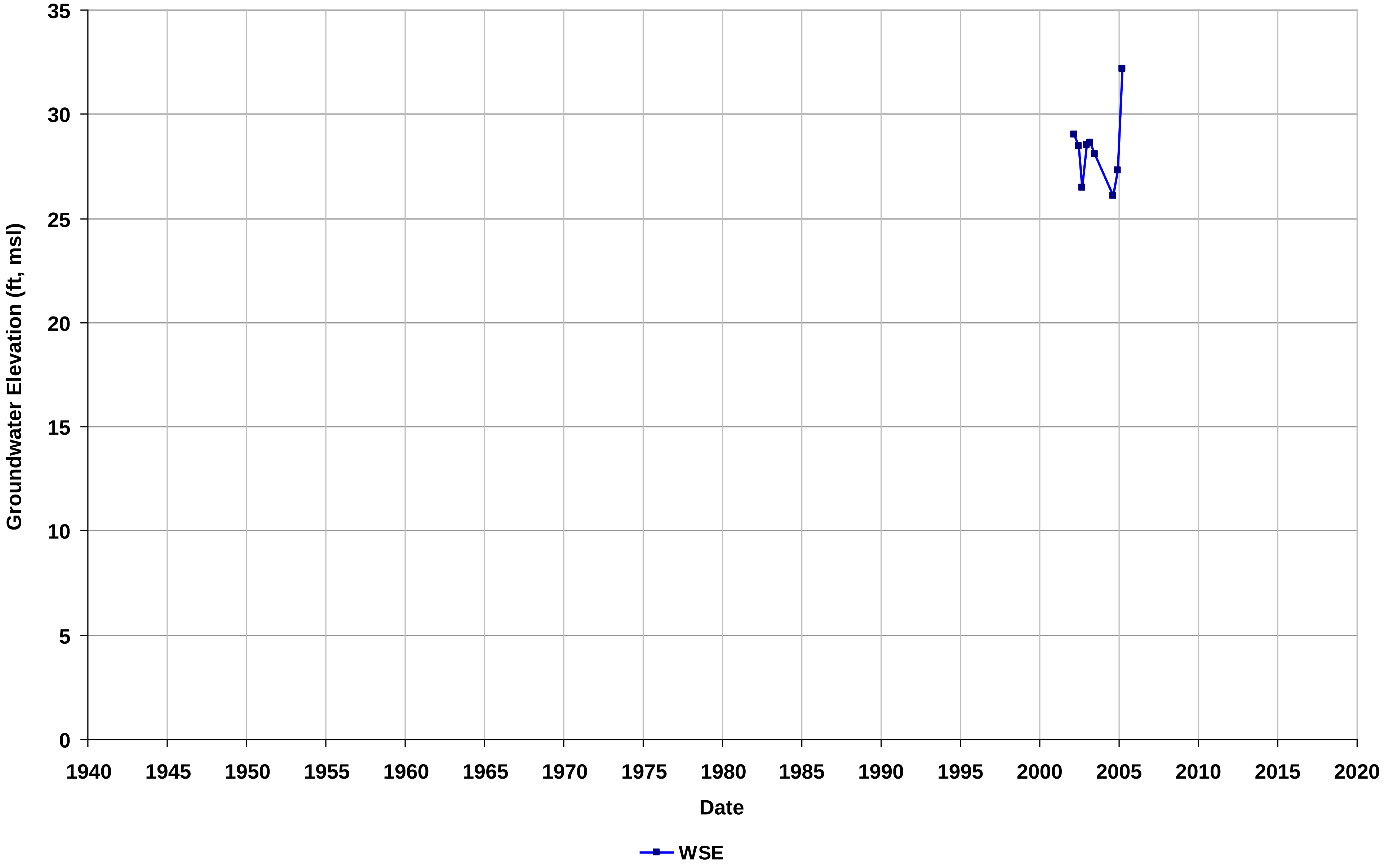
Well Name: T0600102288-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/26
Well Use: Observation



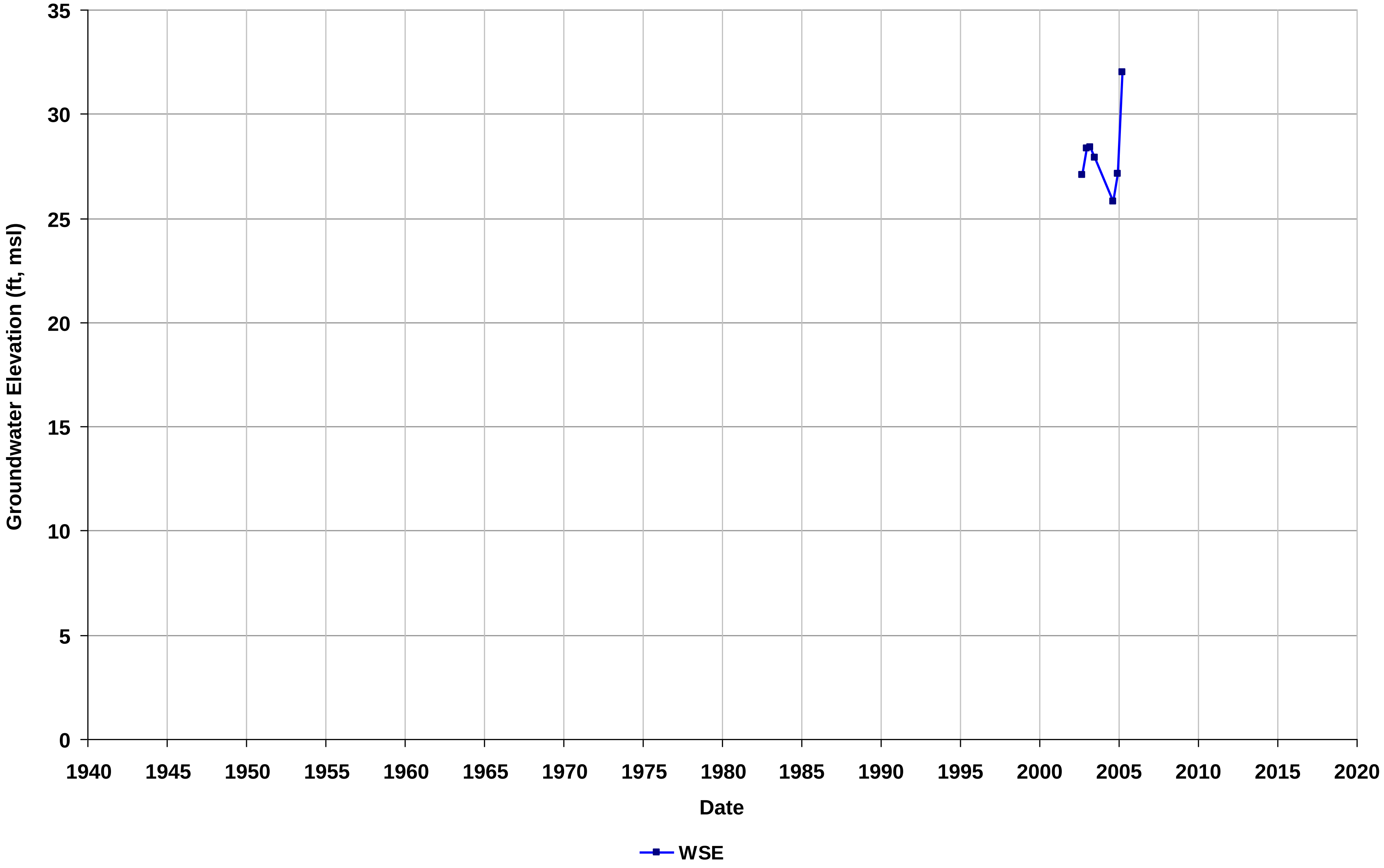
Well Name: T0600102288-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/26
Well Use: Observation



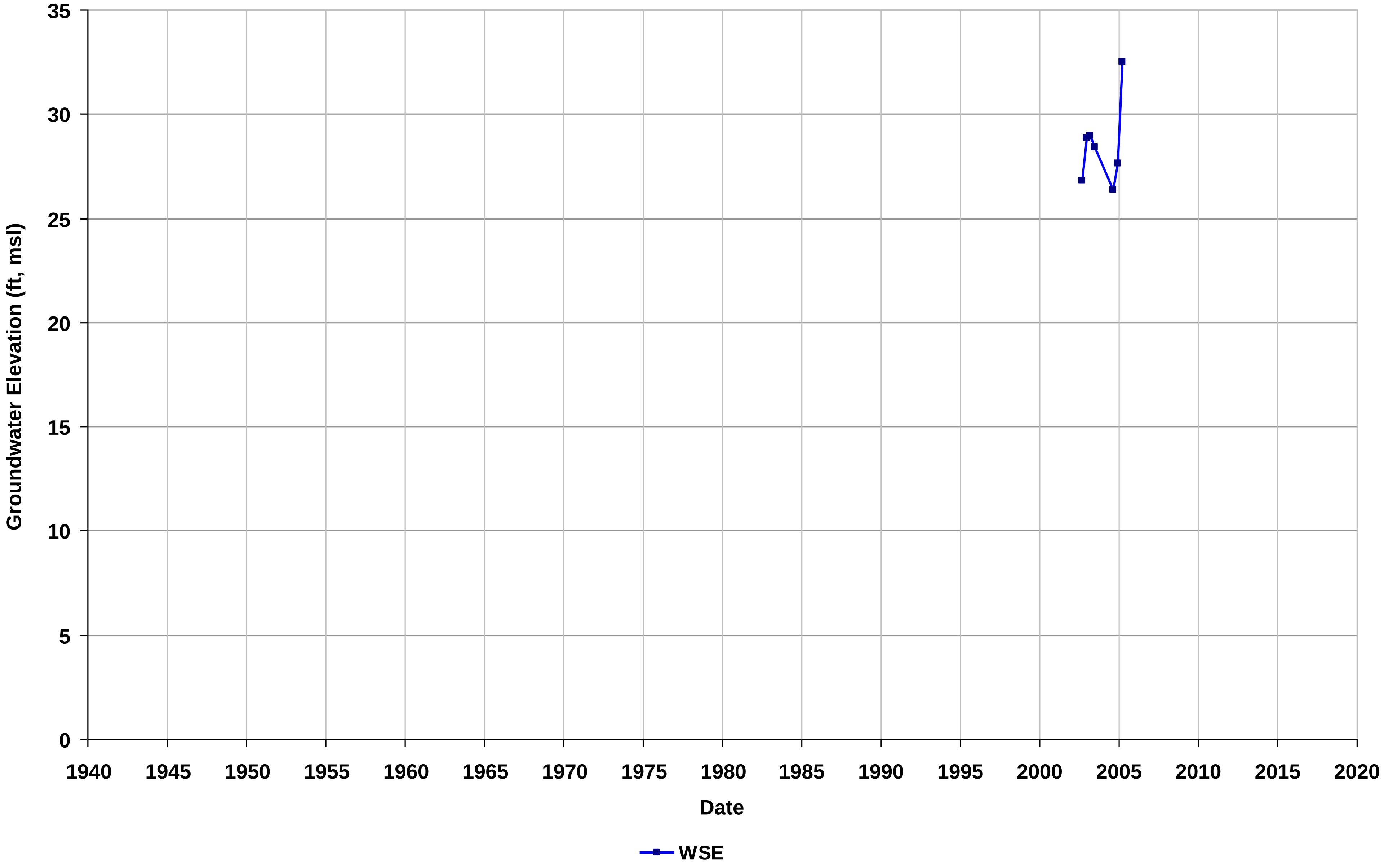
Well Name: T0600102288-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/26
Well Use: Observation



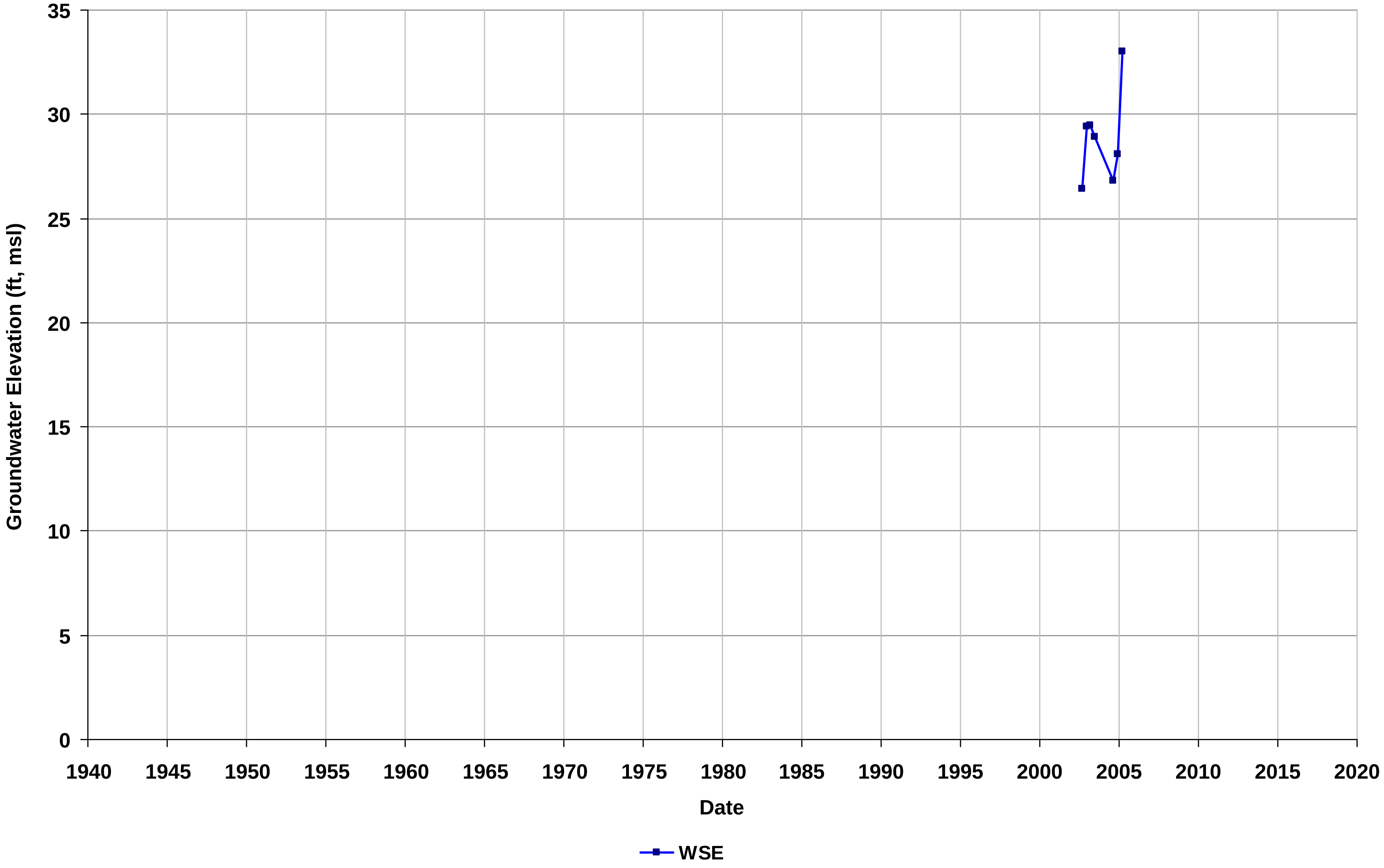
Well Name: T0600102288-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/26
Well Use: Observation



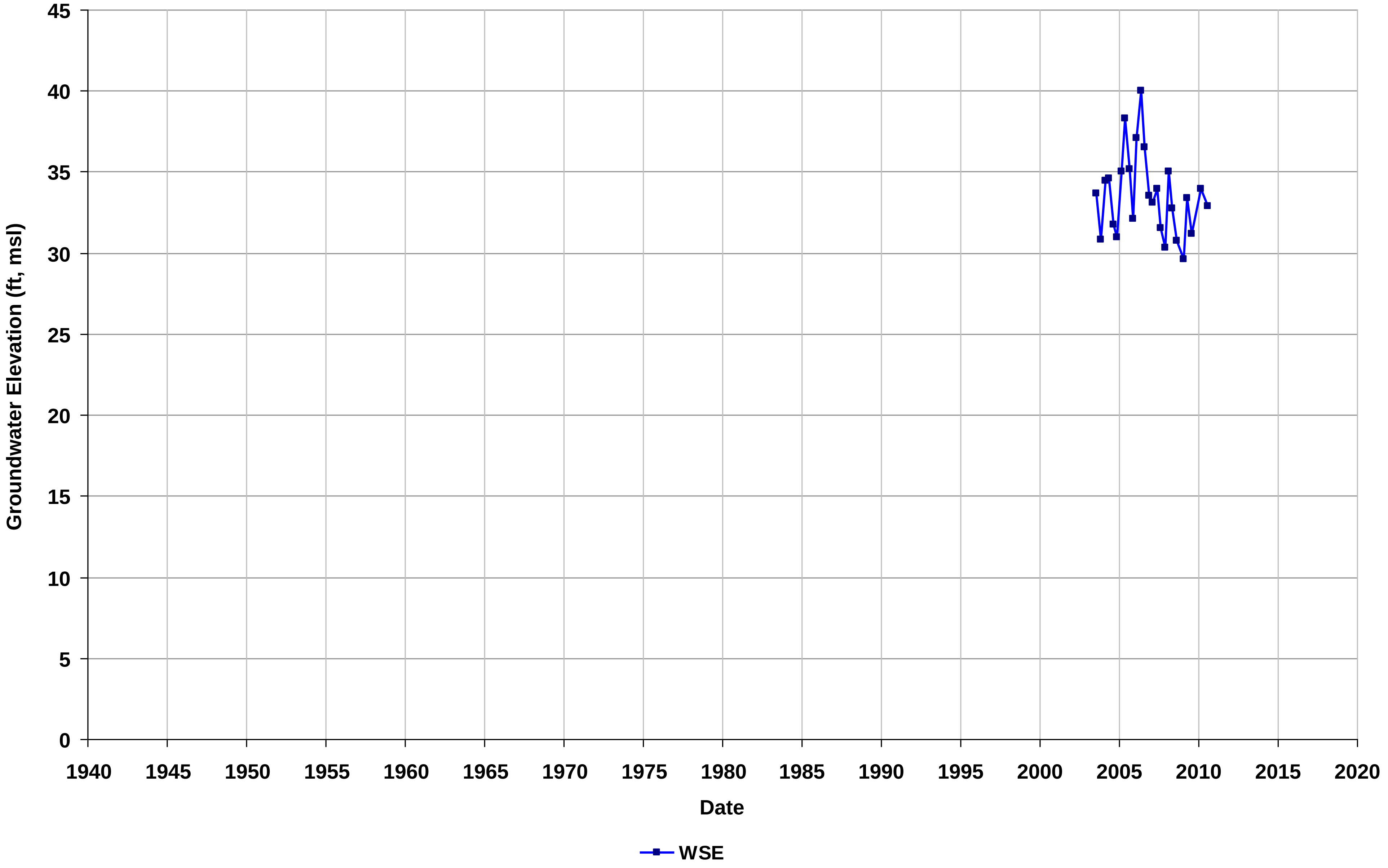
Well Name: T0600102288-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/26
Well Use: Observation



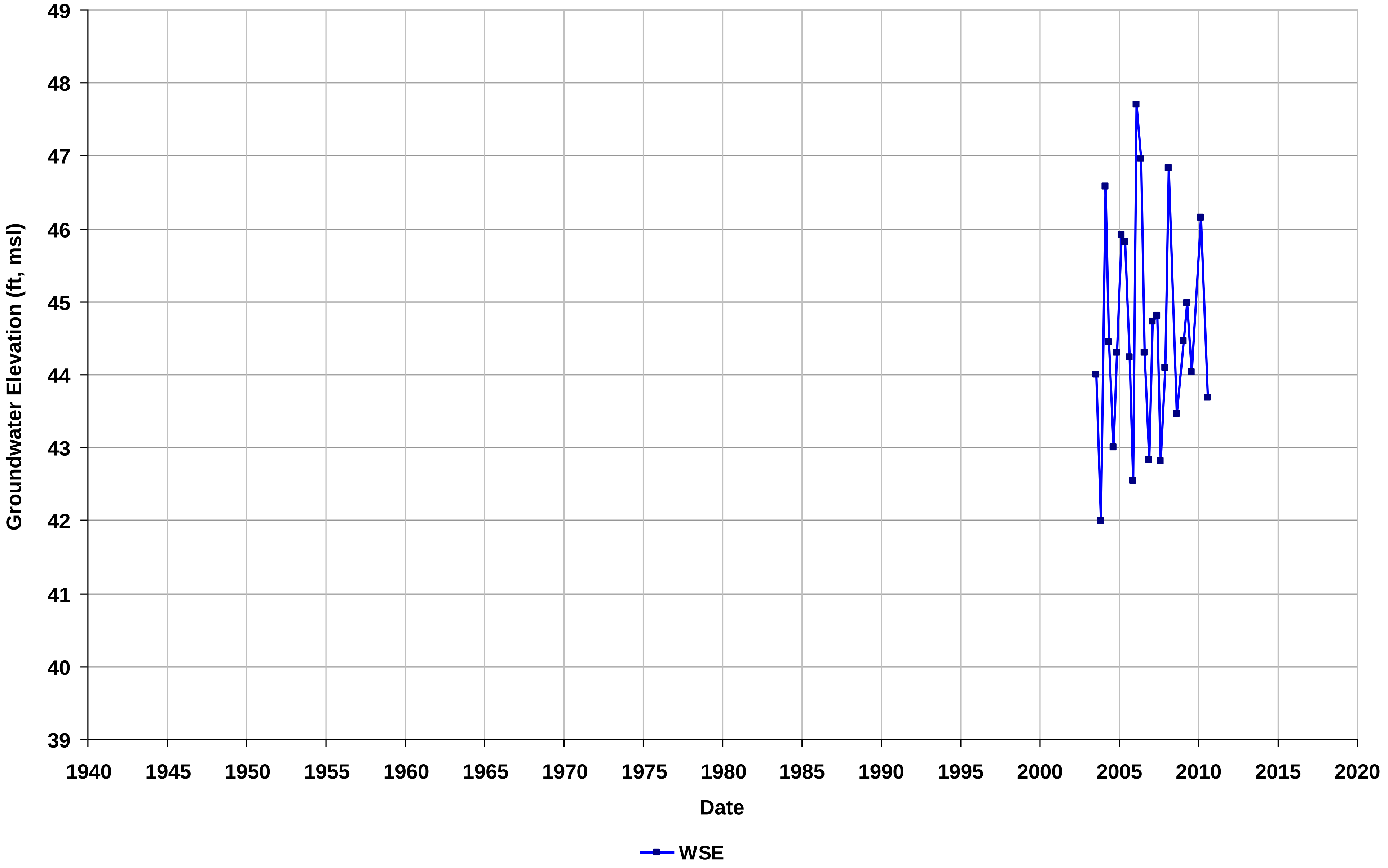
Well Name: T0600108312-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/24
Well Use: Observation



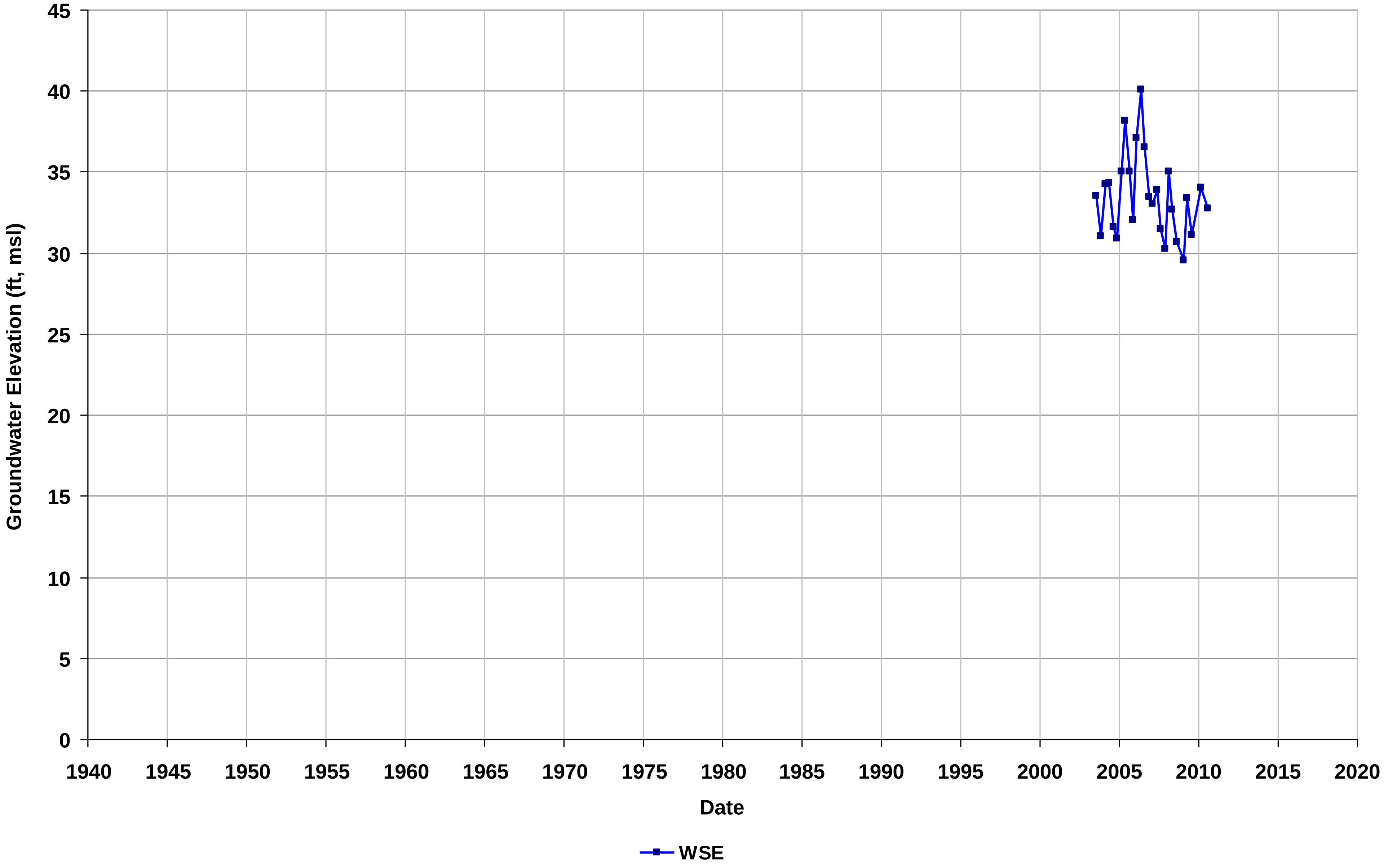
Well Name: T0600108312-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/24
Well Use: Observation



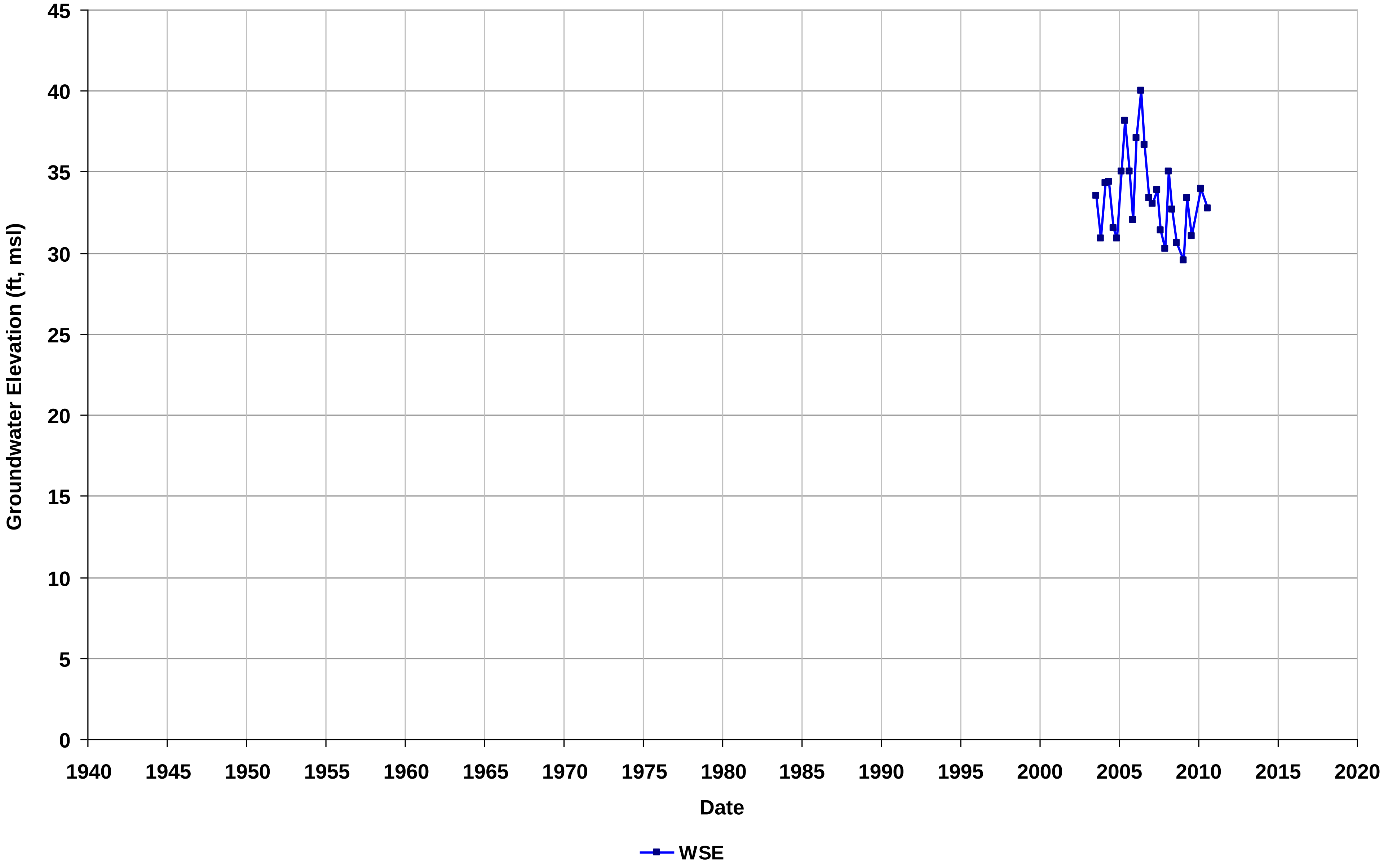
Well Name: T0600108312-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/24
Well Use: Observation



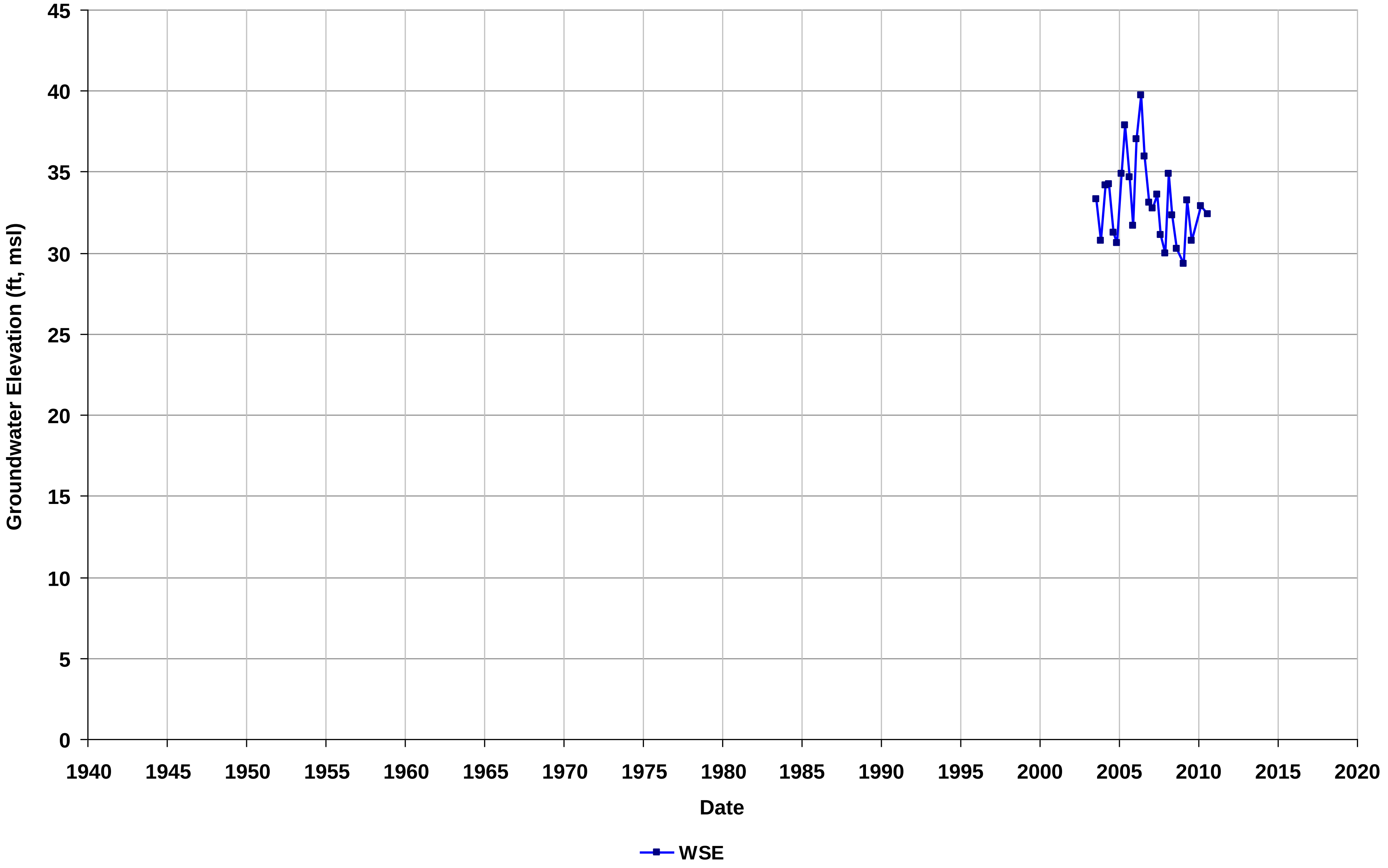
Well Name: T0600108312-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/24
Well Use: Observation



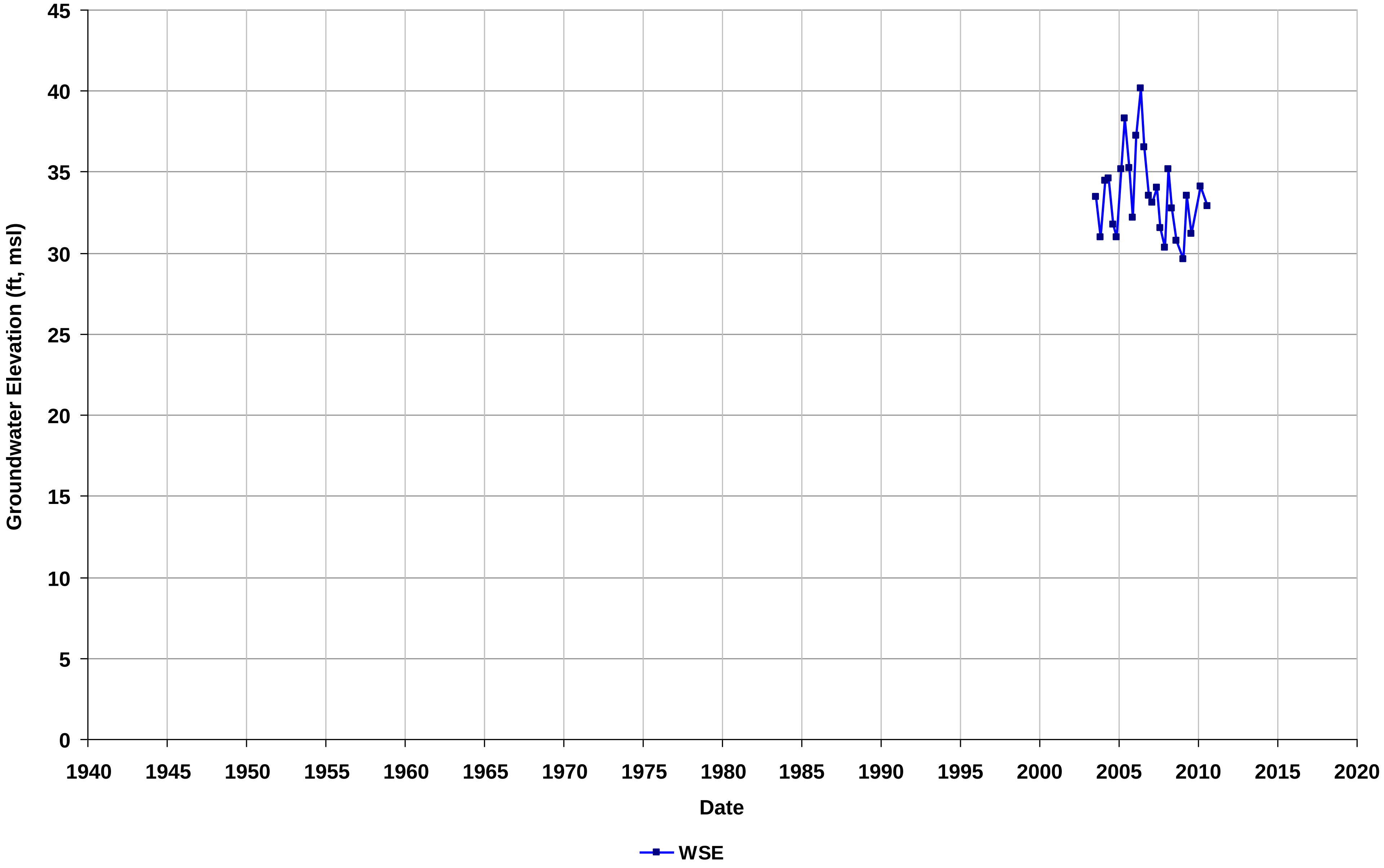
Well Name: T0600108312-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/24
Well Use: Observation



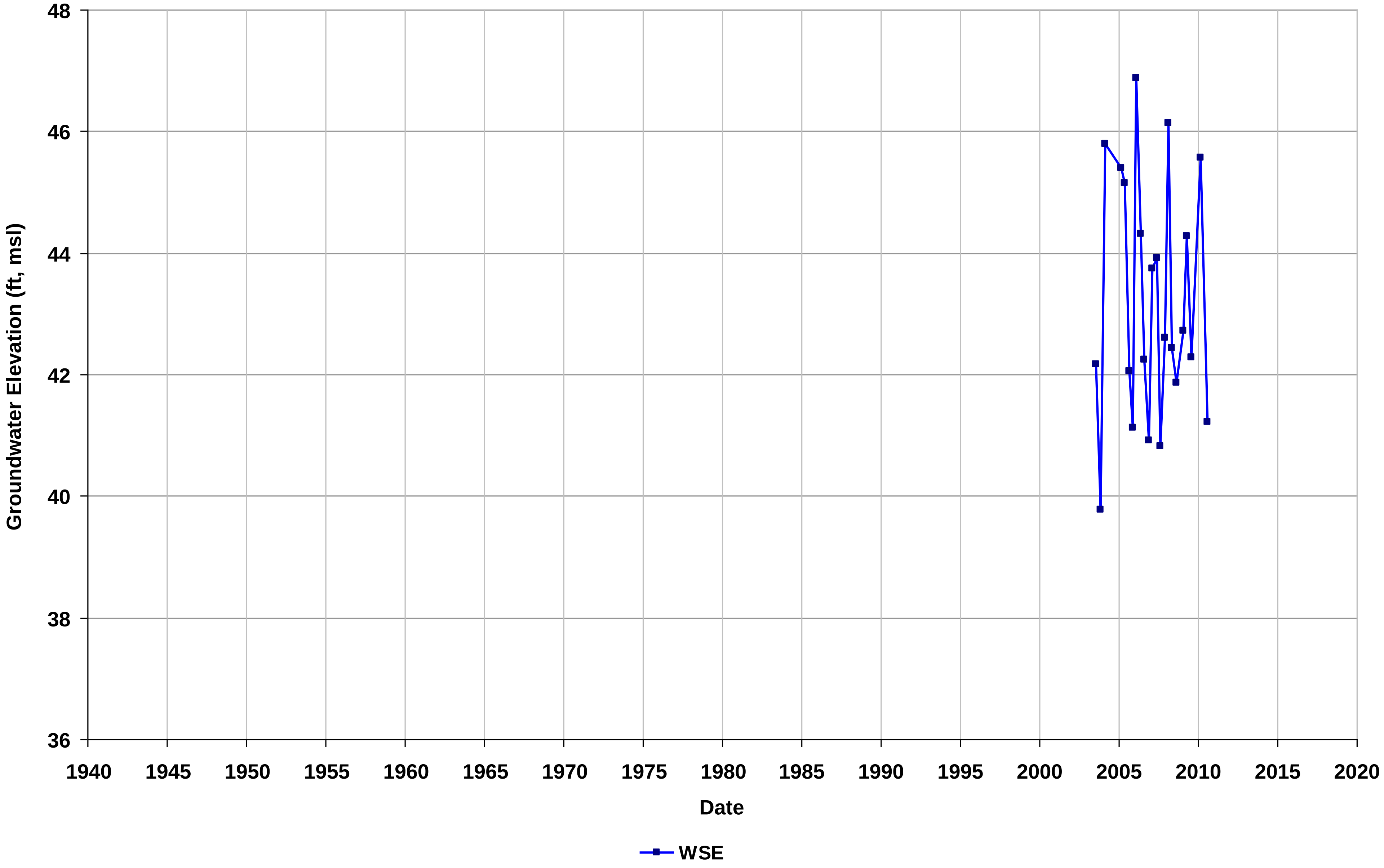
Well Name: T0600108312-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/24
Well Use: Observation



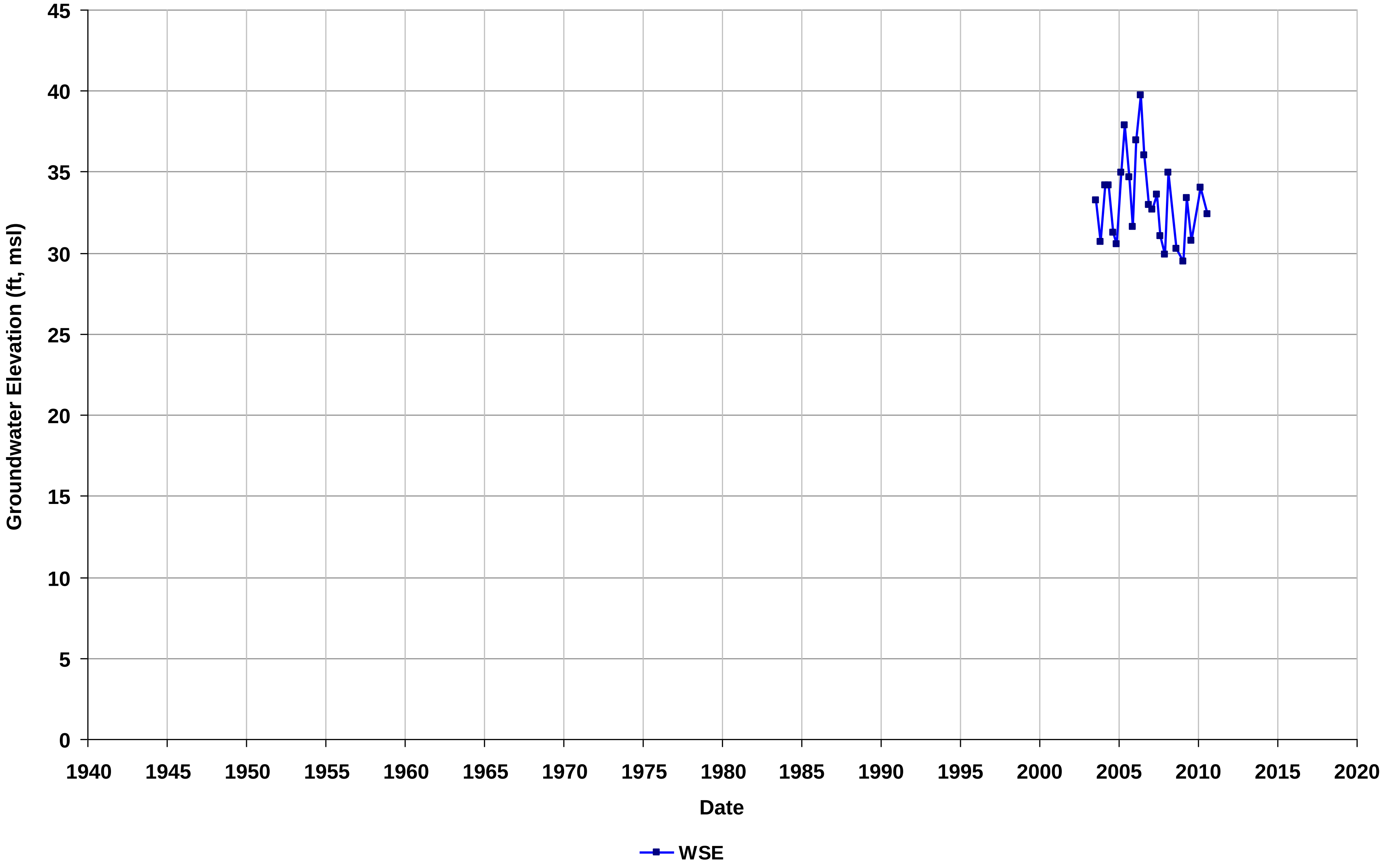
Well Name: T0600108312-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/24
Well Use: Observation



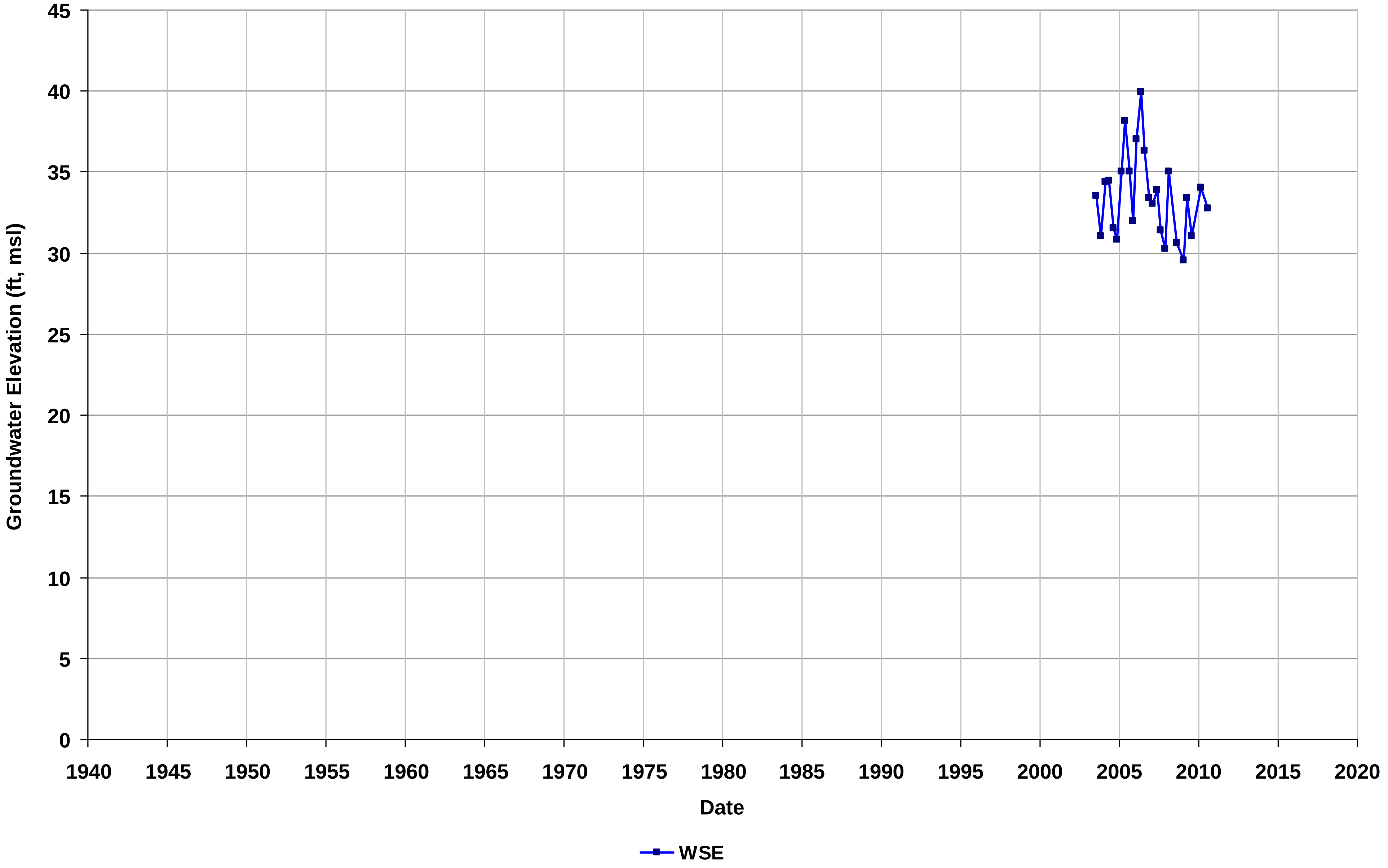
Well Name: T0600108312-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/24
Well Use: Observation



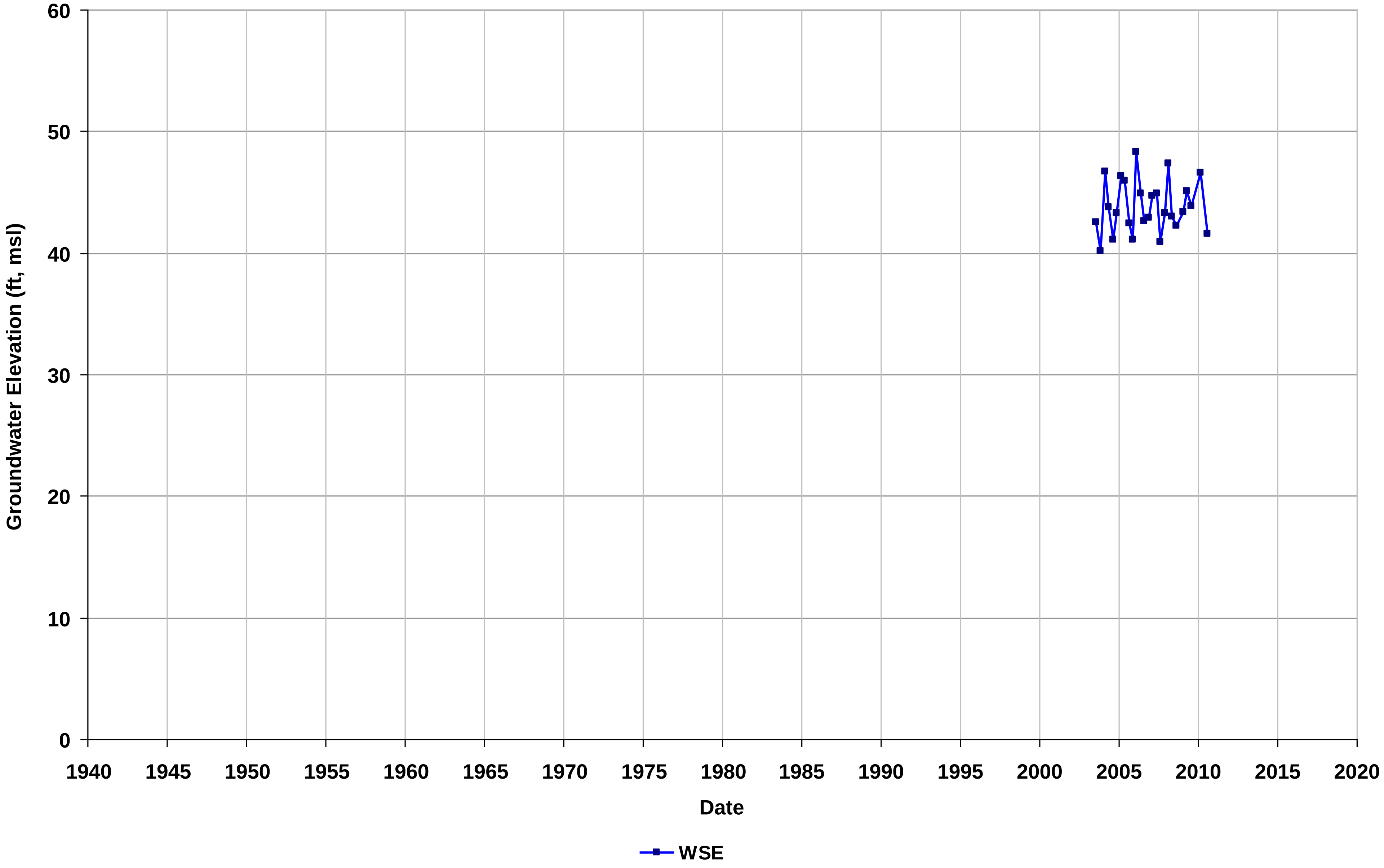
Well Name: T0600108312-RW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/24
Well Use: Observation



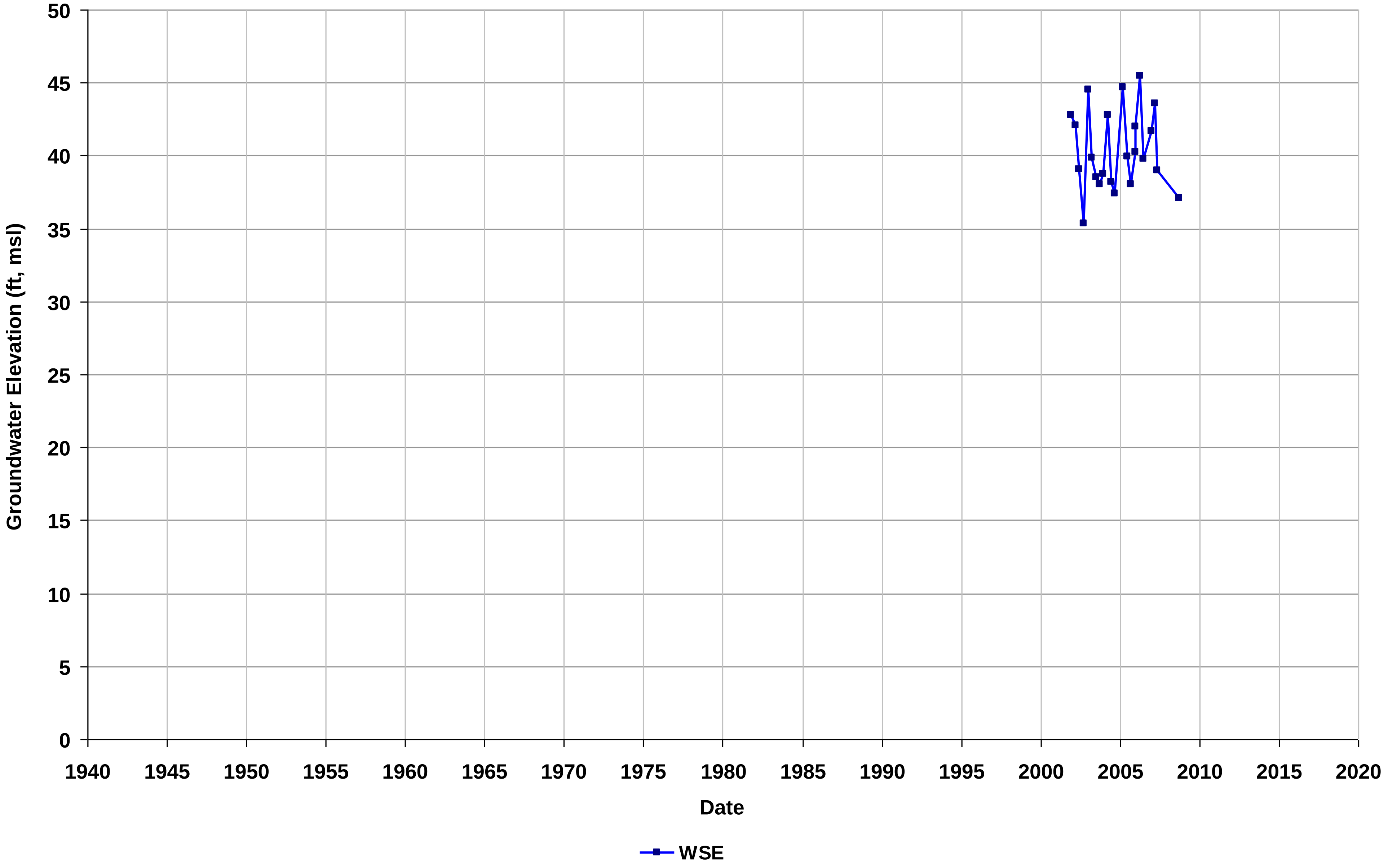
Well Name: T0600108312-WGR-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/24
Well Use: Observation



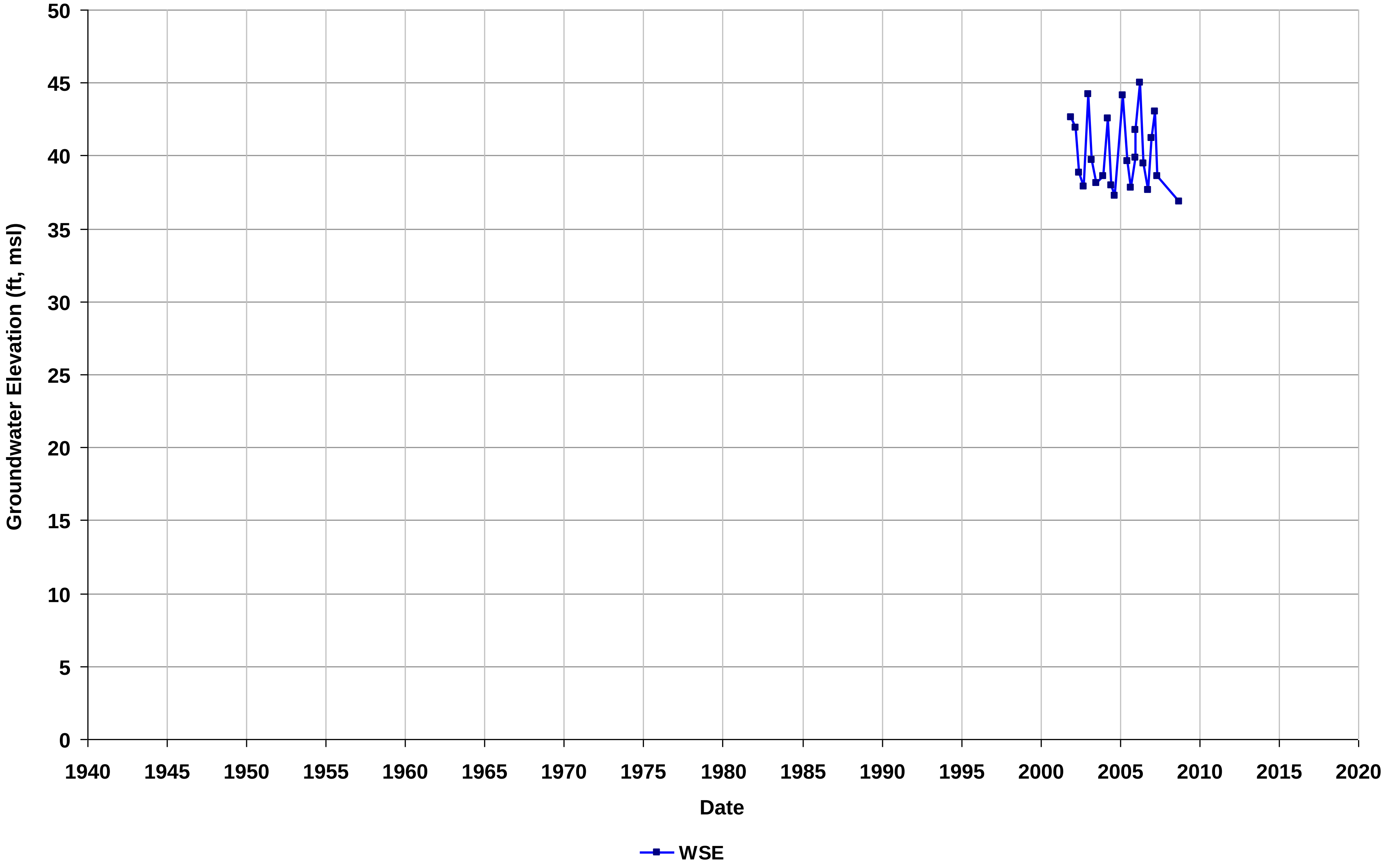
Well Name: T0600118567-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/14
Well Use: Observation



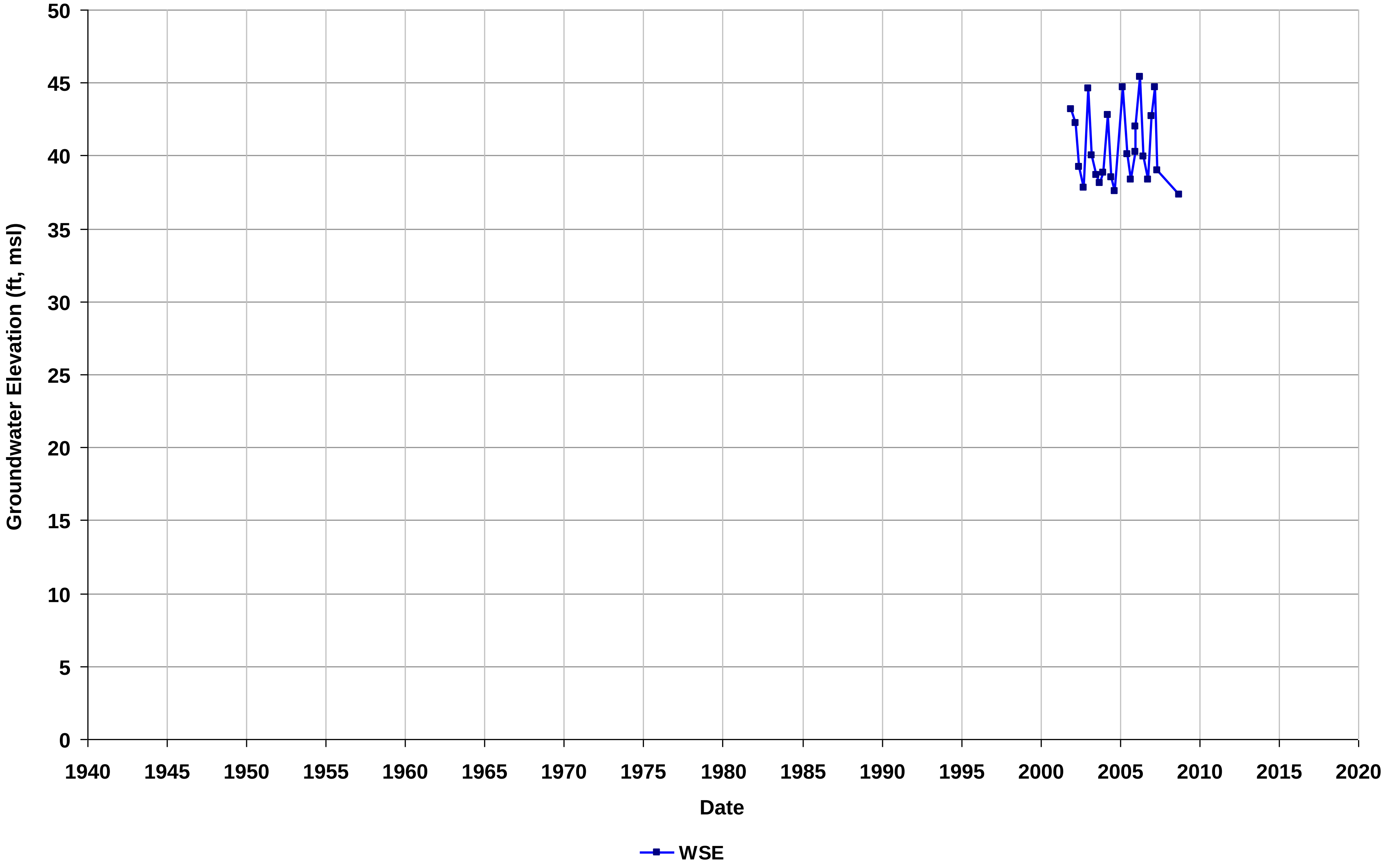
Well Name: T0600118567-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/14
Well Use: Observation



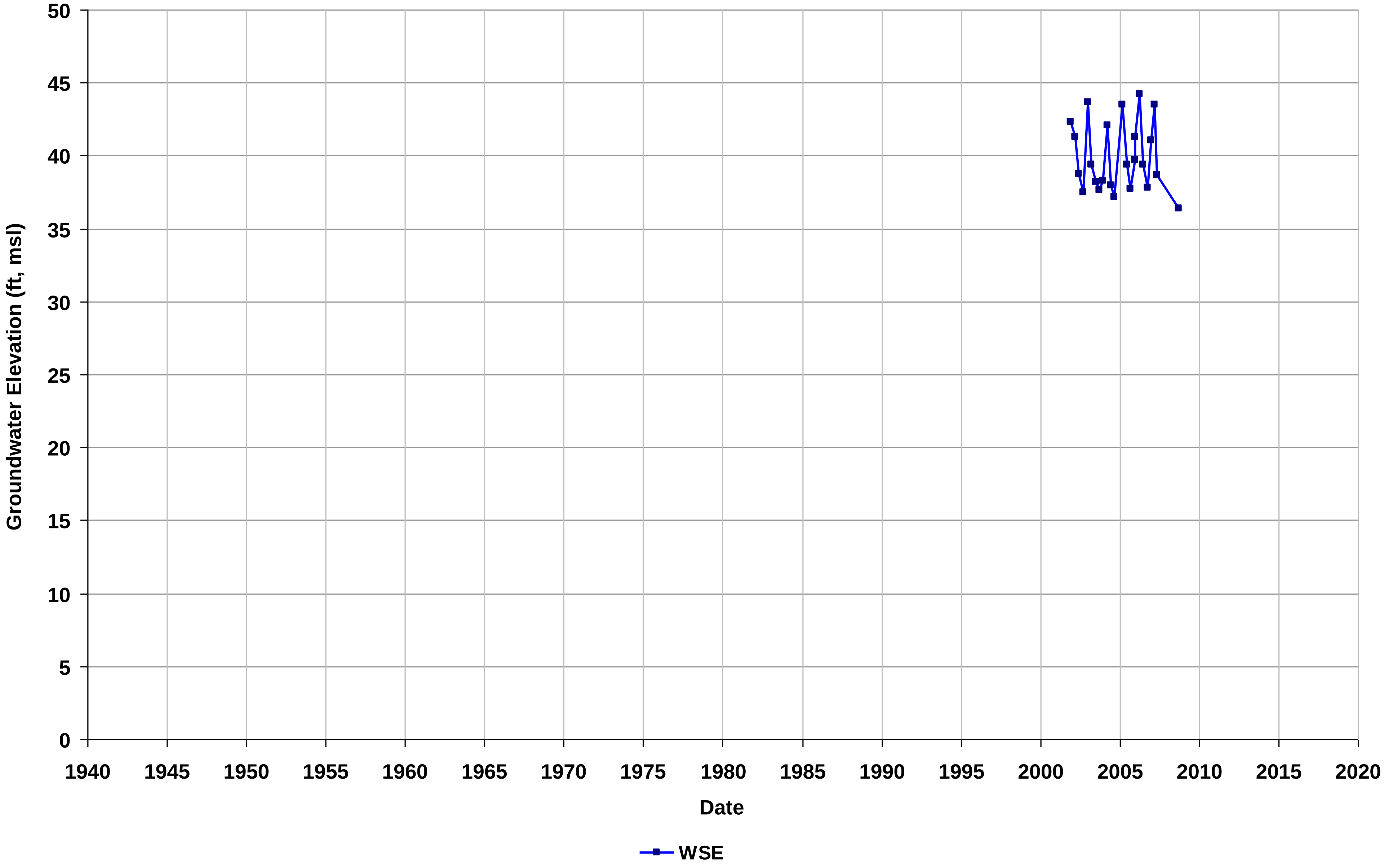
Well Name: T0600118567-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/14
Well Use: Observation



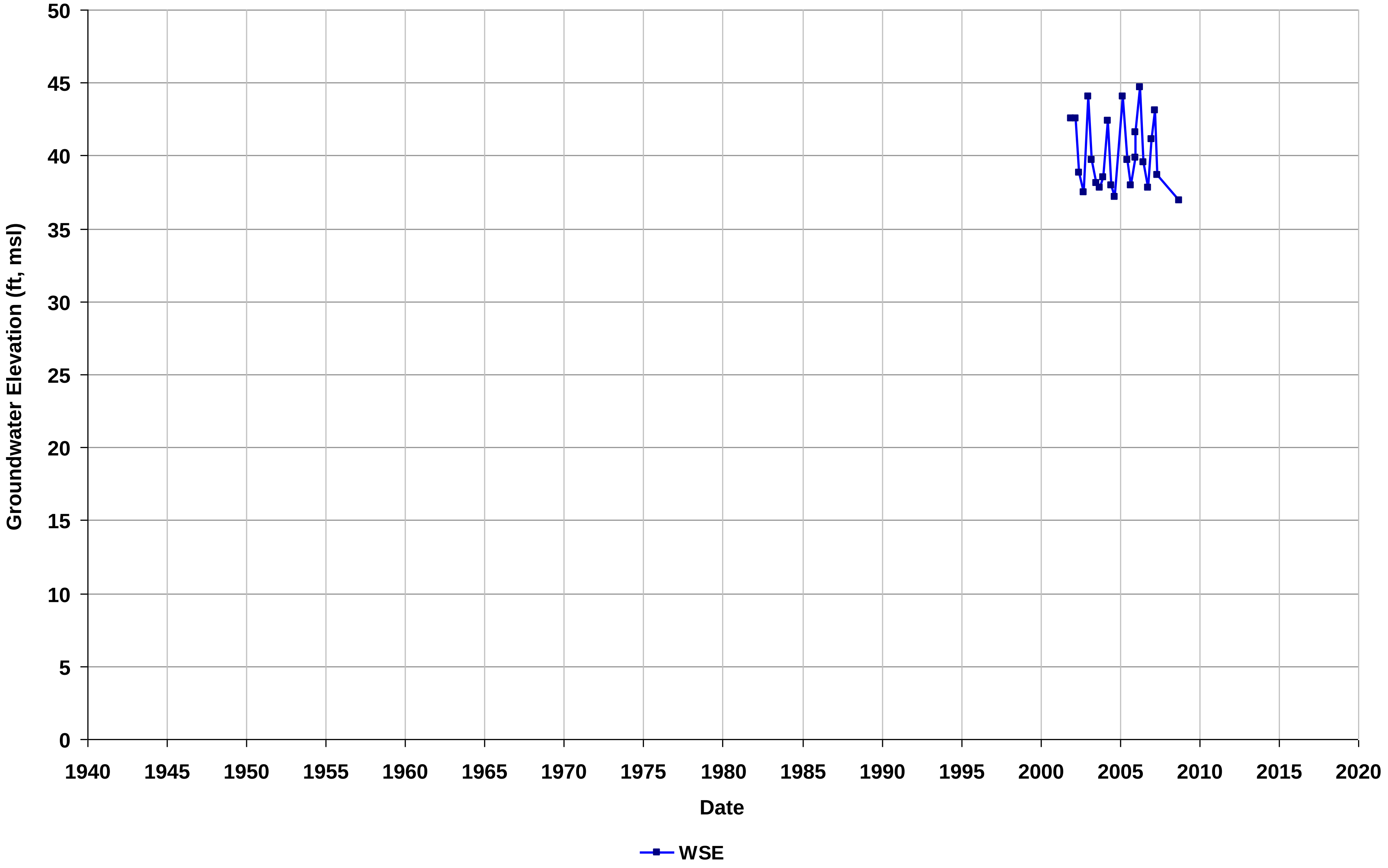
Well Name: T0600118567-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/14
Well Use: Observation



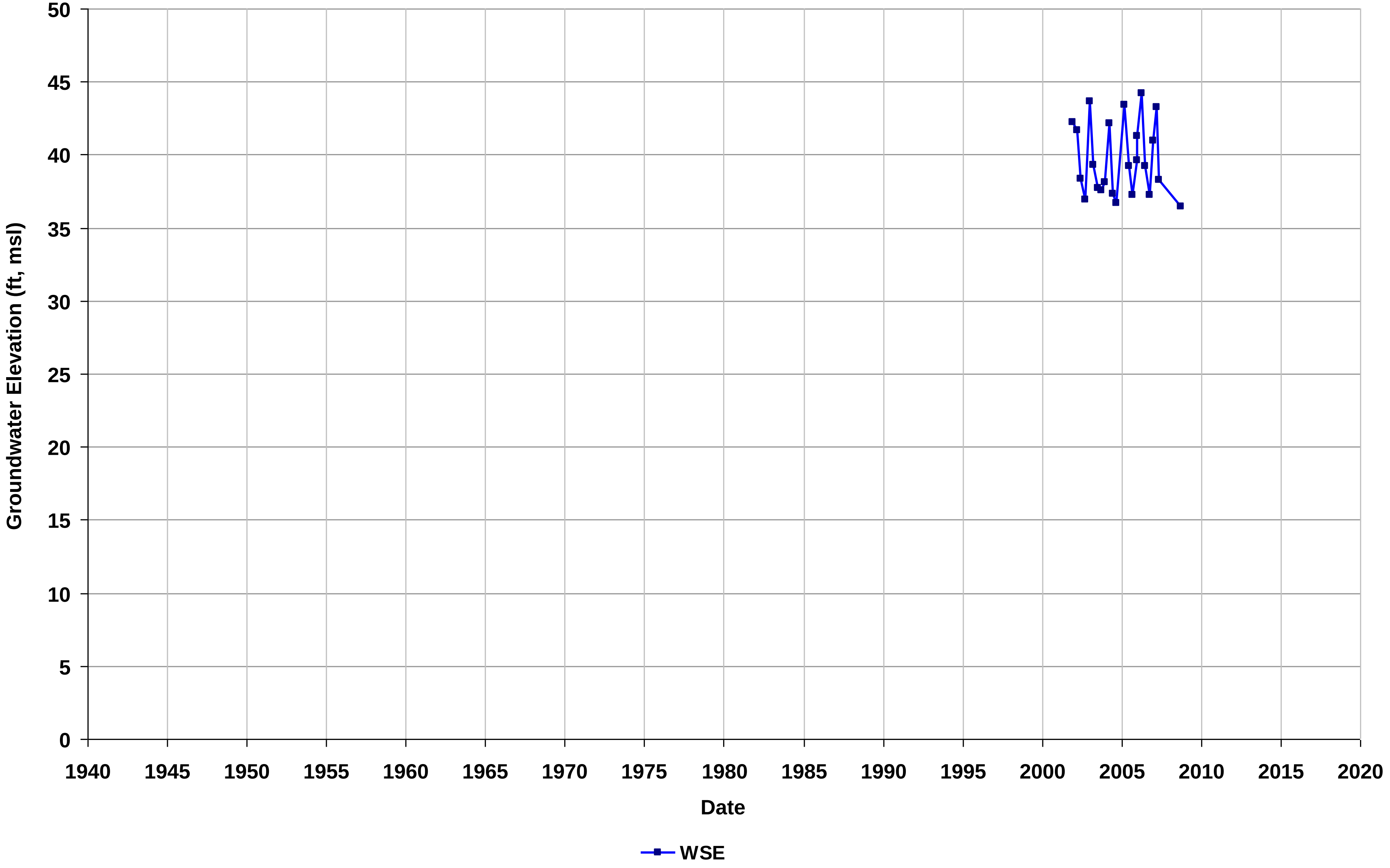
Well Name: T0600118567-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/14
Well Use: Observation



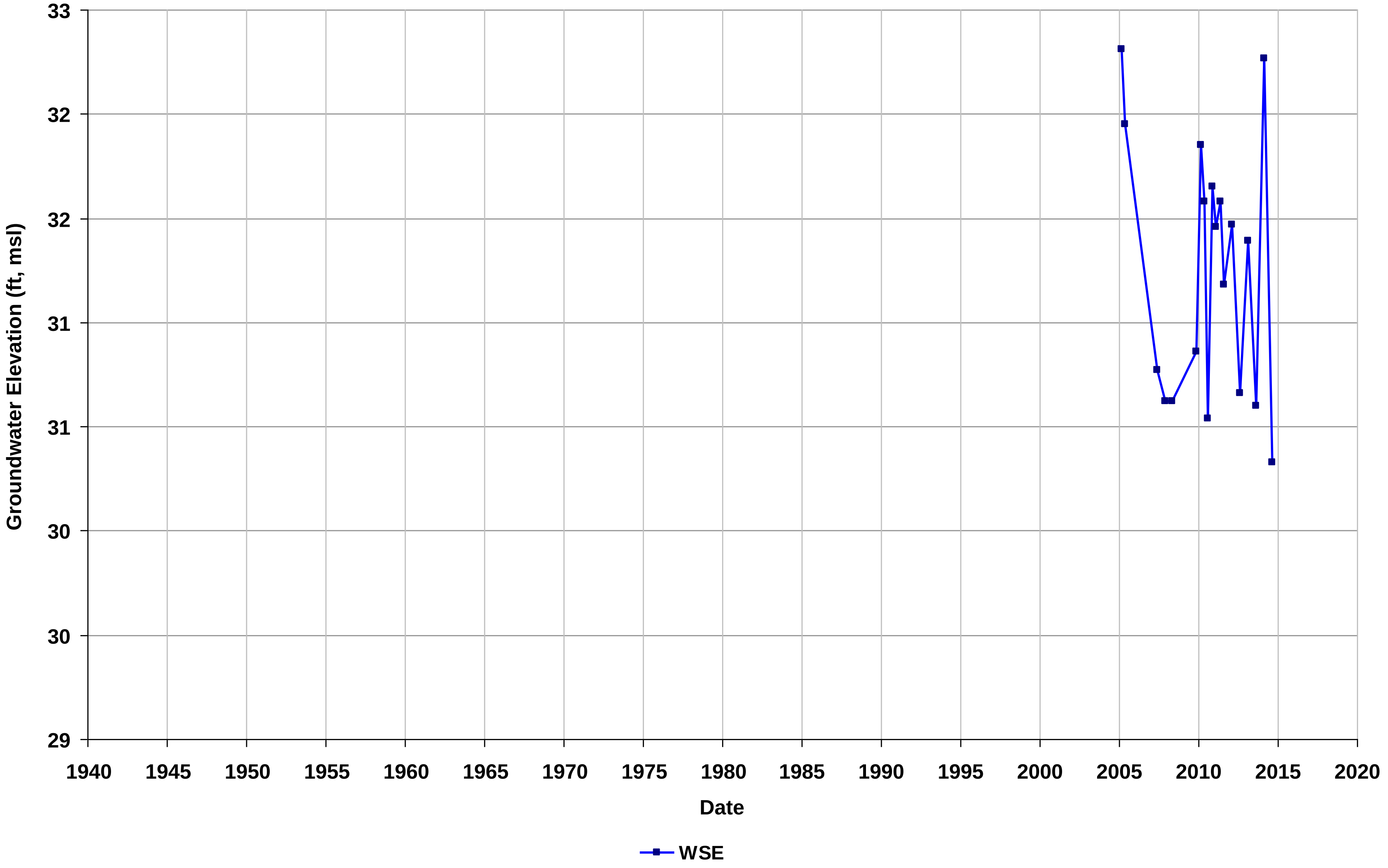
Well Name: T0600118567-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/14
Well Use: Observation



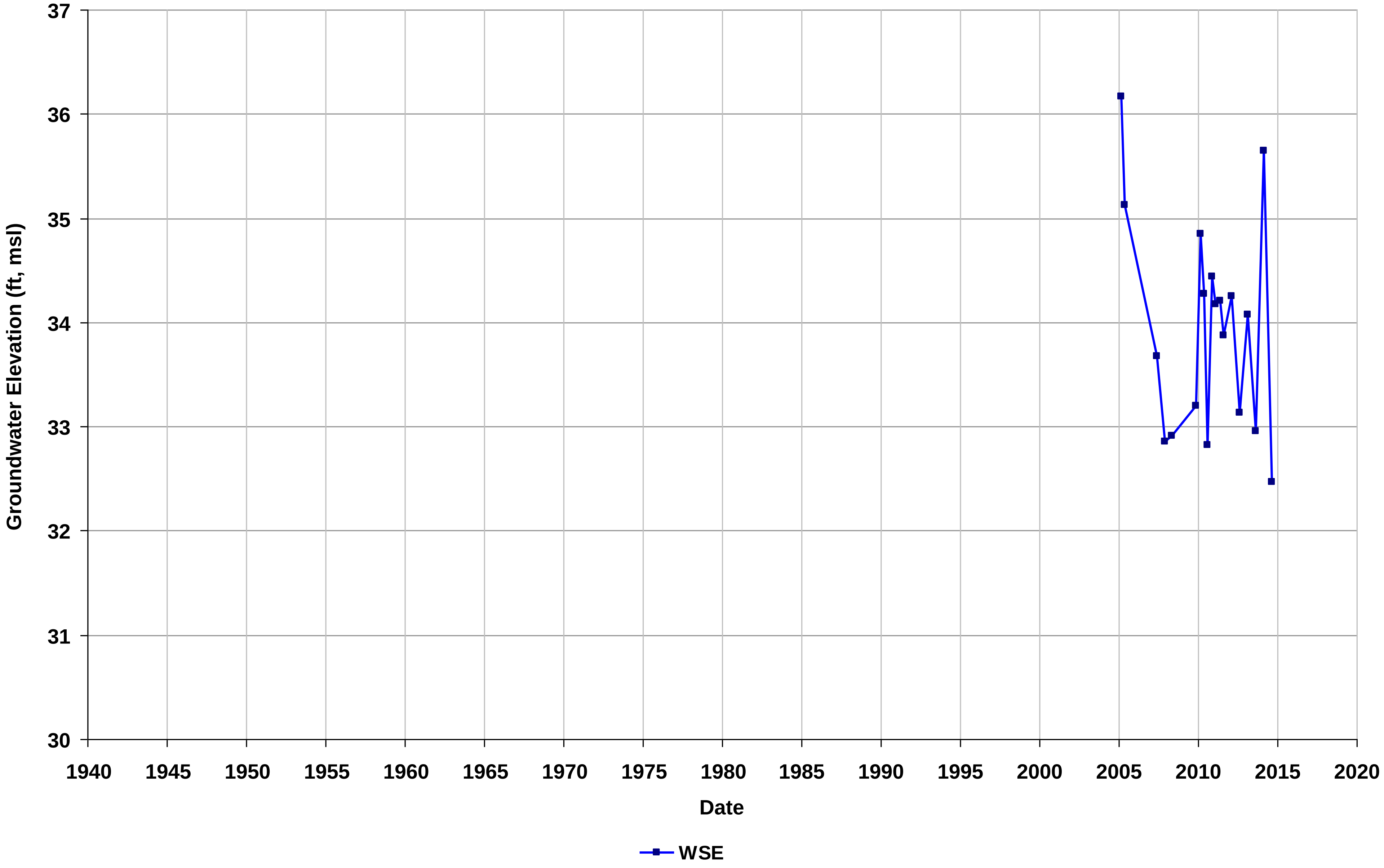
Well Name: T0600118672-W-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/22
Well Use: Observation



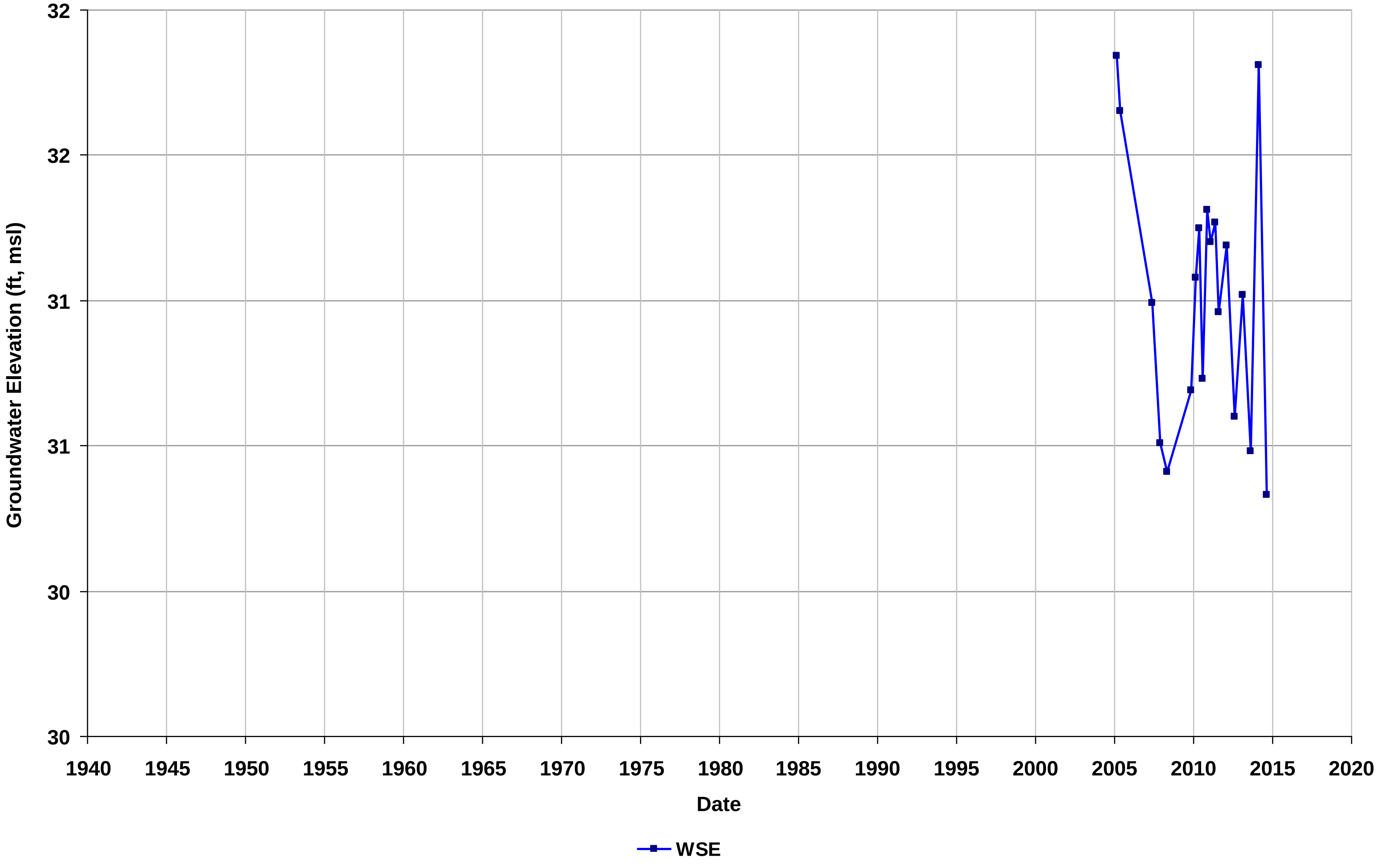
Well Name: T0600118672-W-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/22
Well Use: Observation



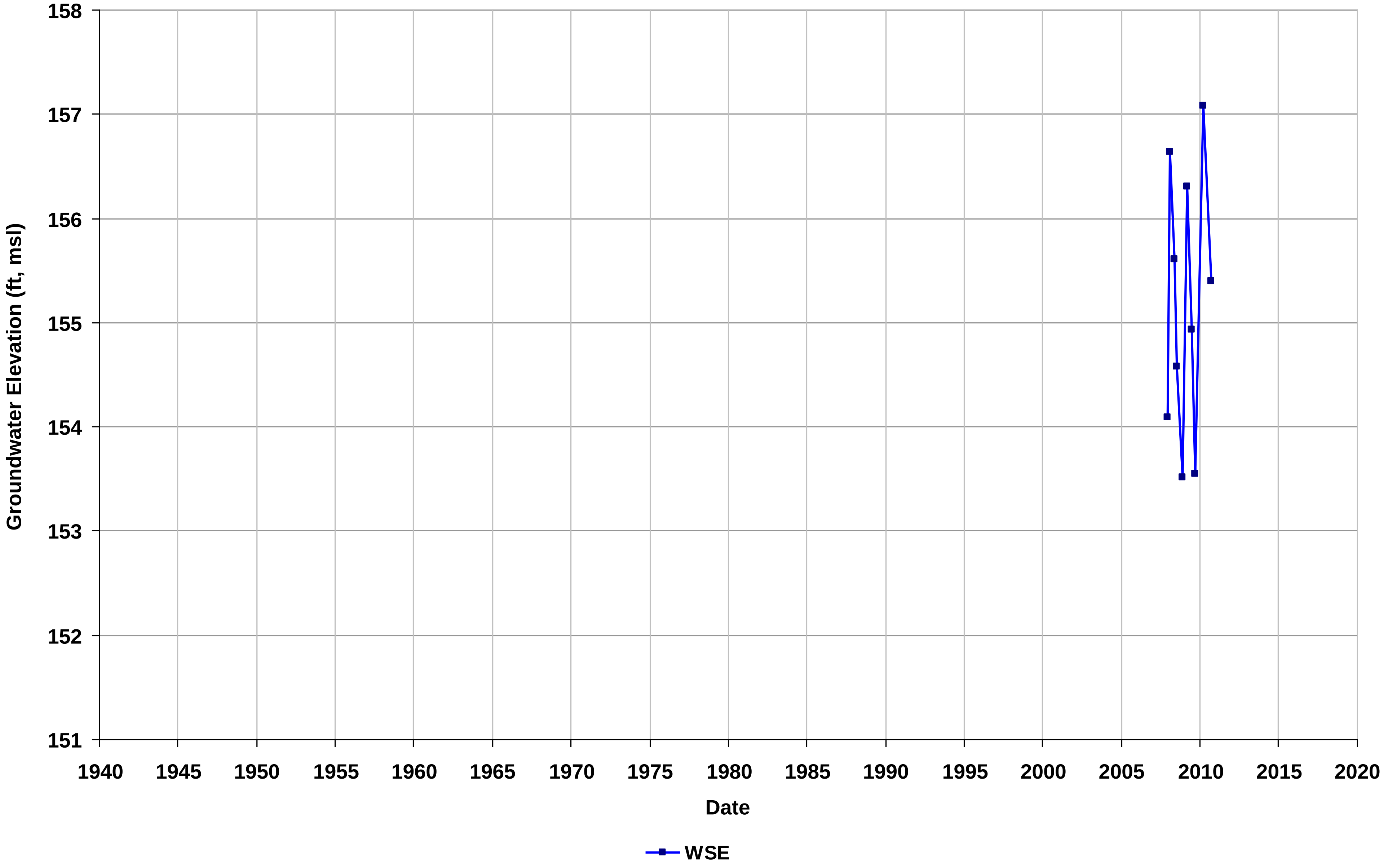
Well Name: T0600118672-W-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/22
Well Use: Observation



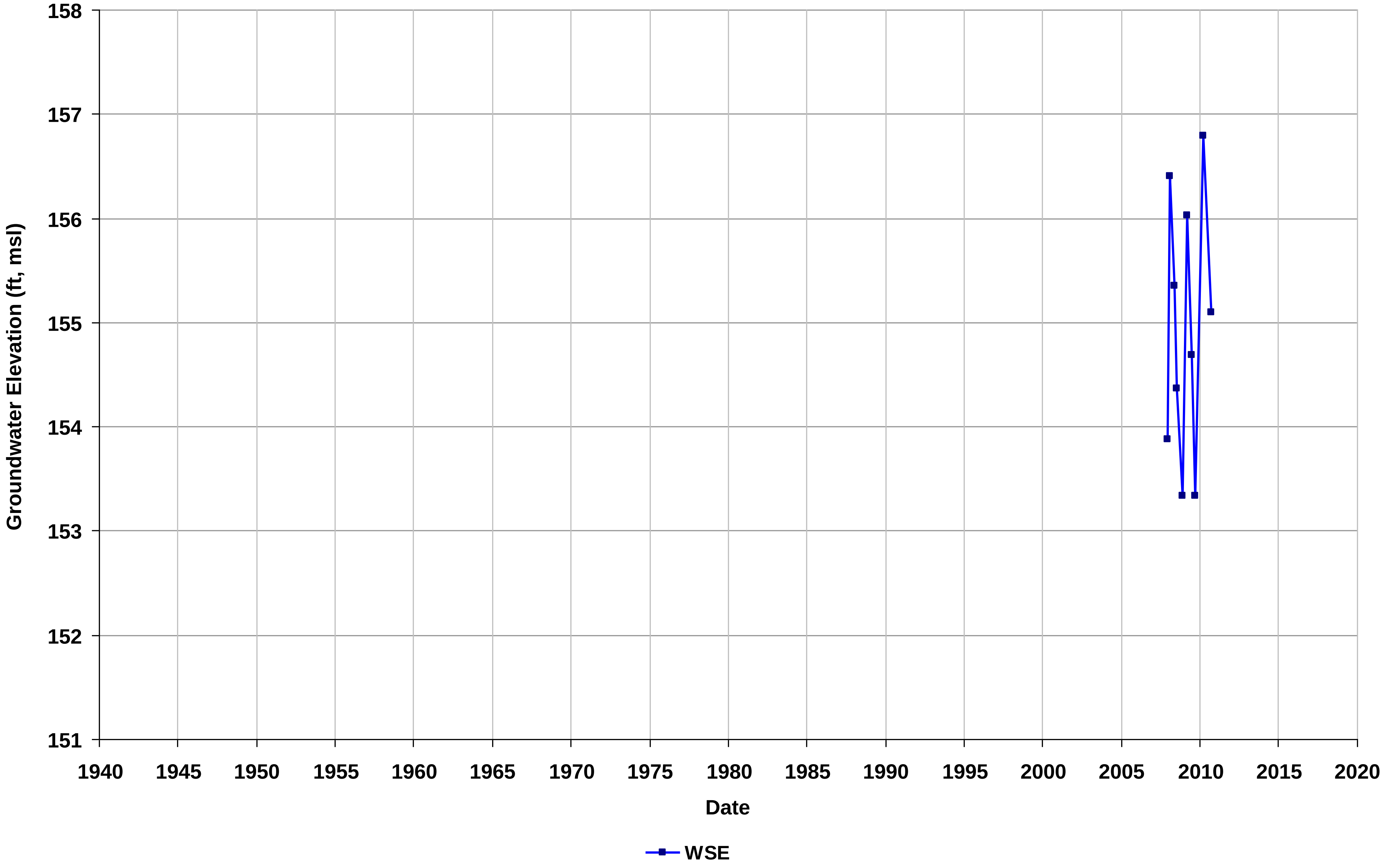
Well Name: T0600121471-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/35
Well Use: Observation



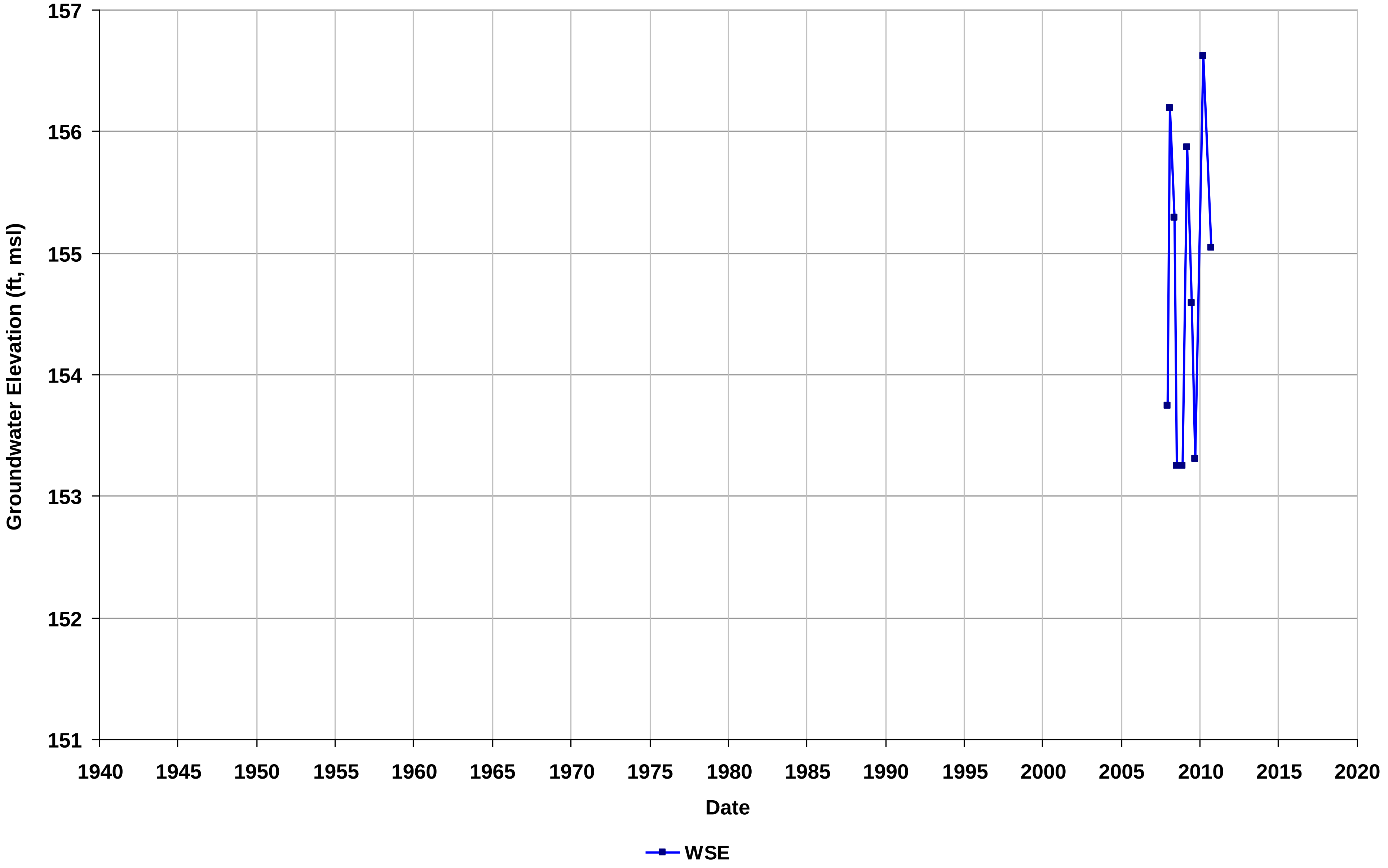
Well Name: T0600121471-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/35
Well Use: Observation



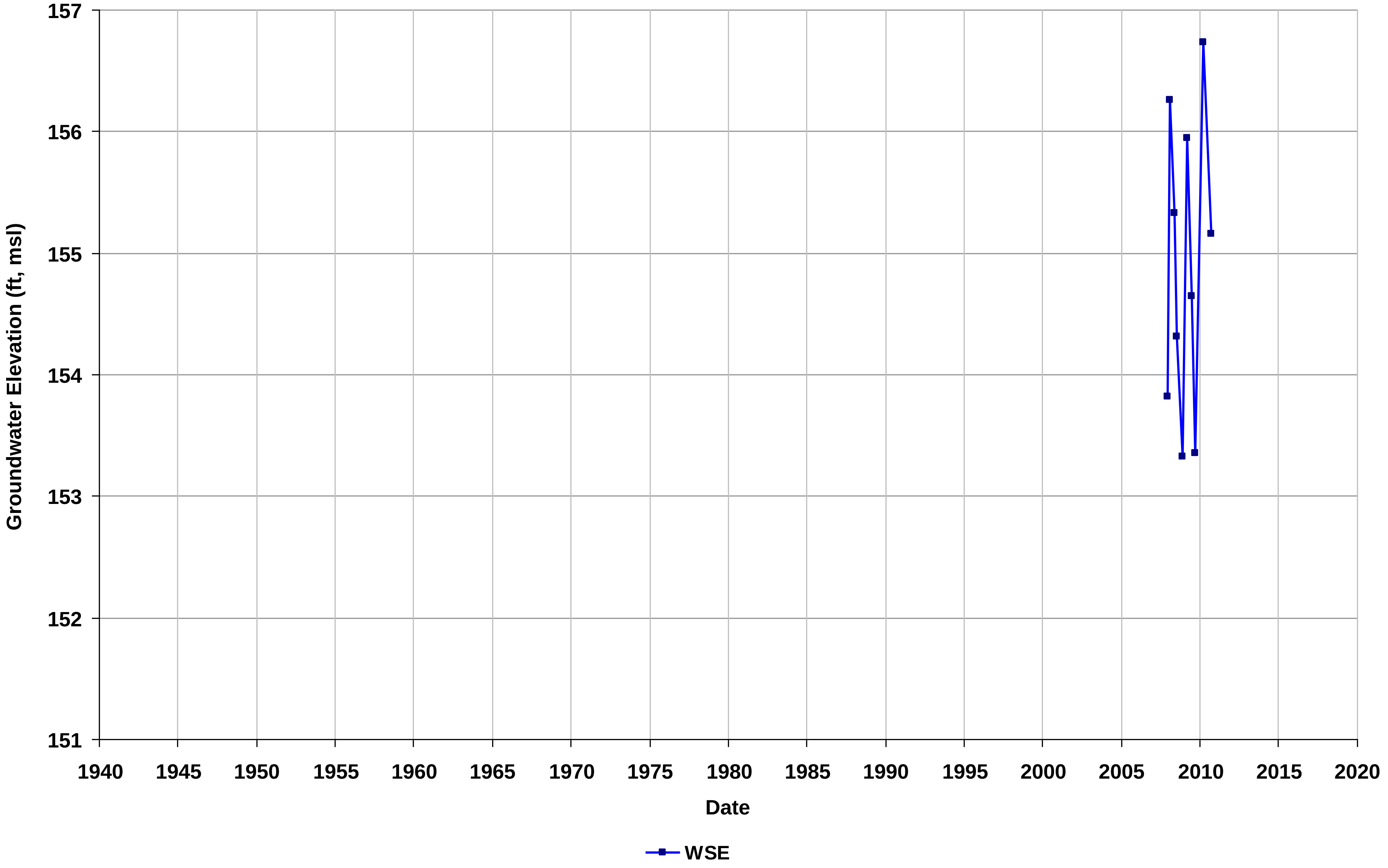
Well Name: T0600121471-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/35
Well Use: Observation



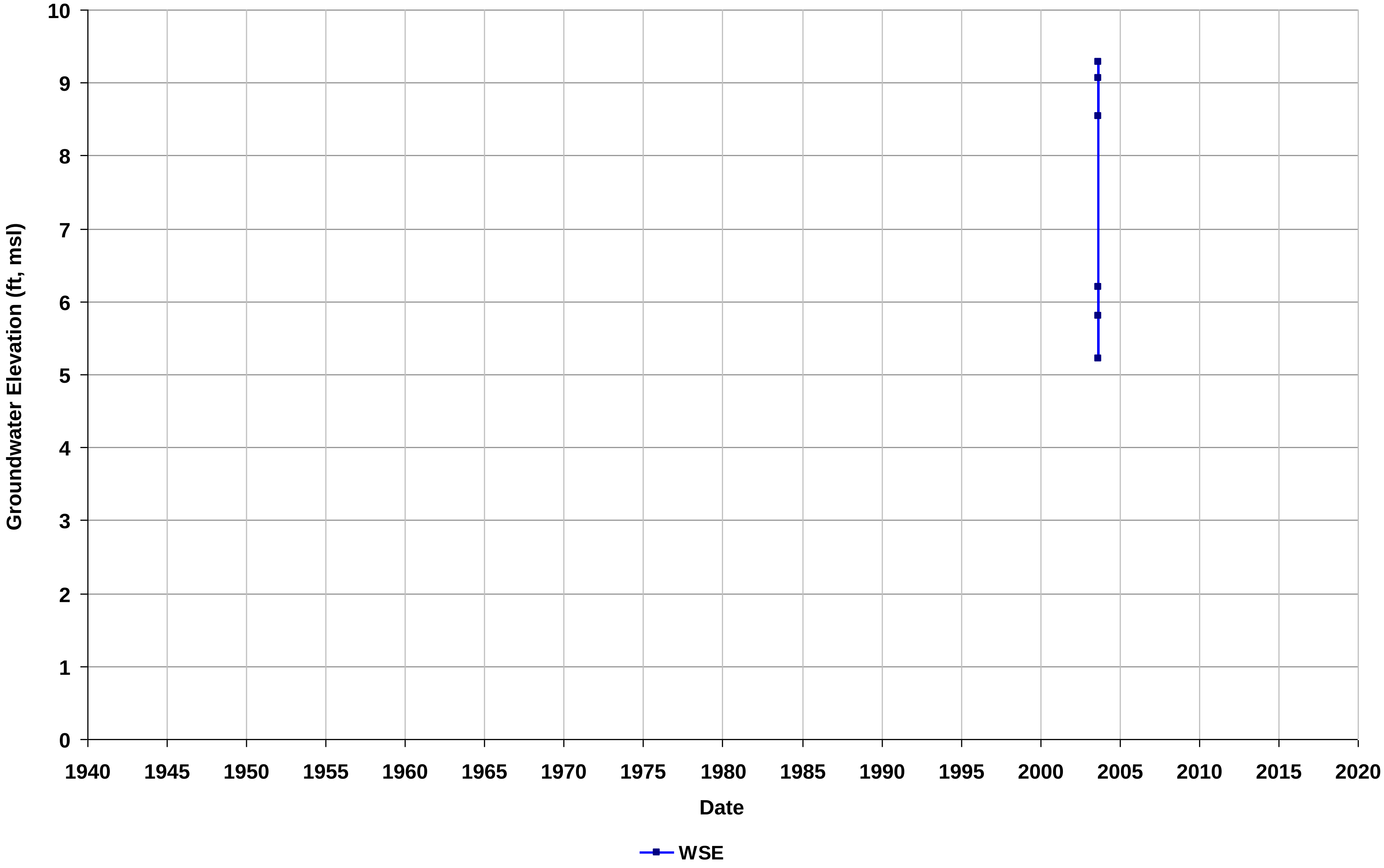
Well Name: T0600121471-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/35
Well Use: Observation



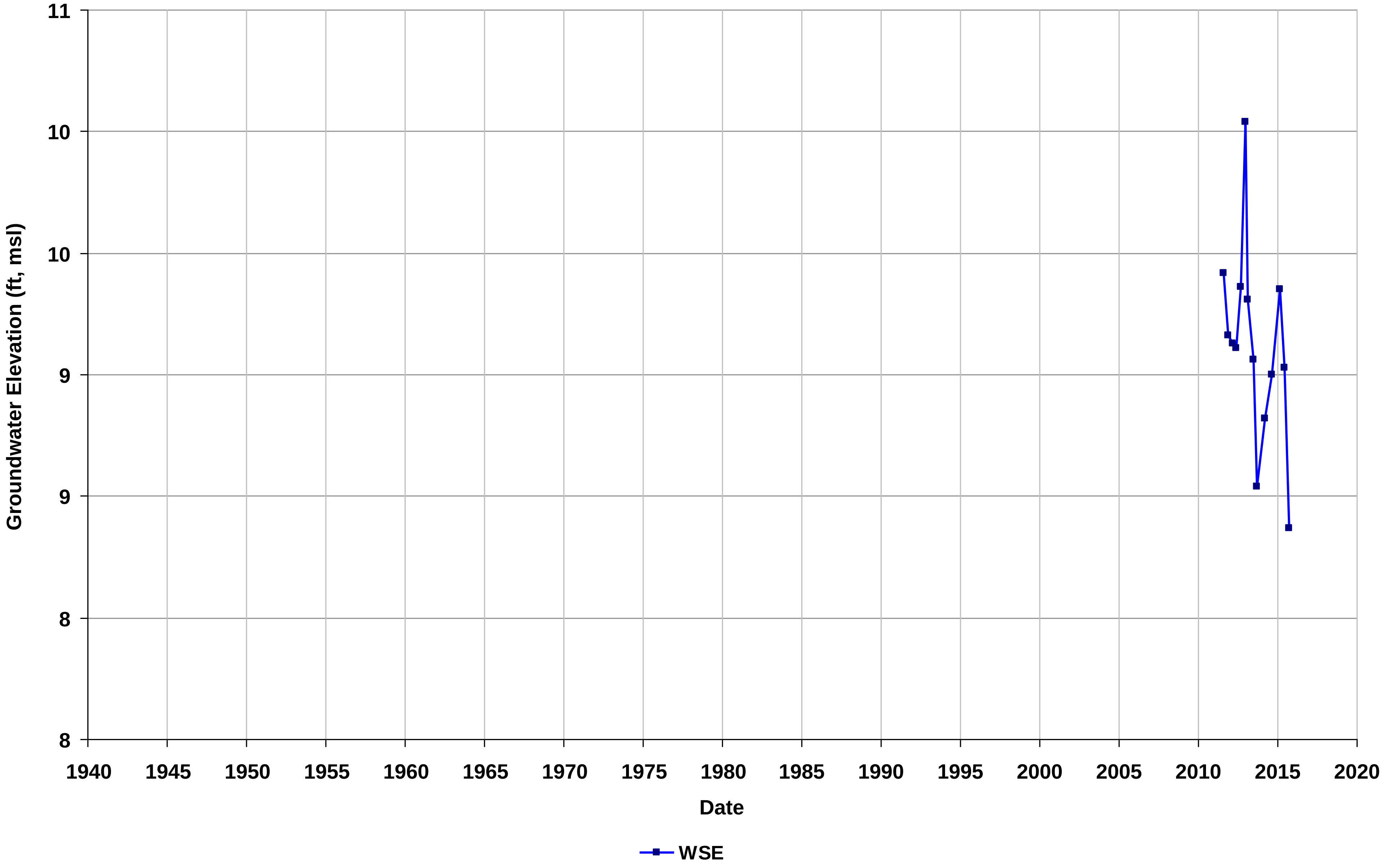
Well Name: T0600140375-C3B001
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/07
Well Use: Observation



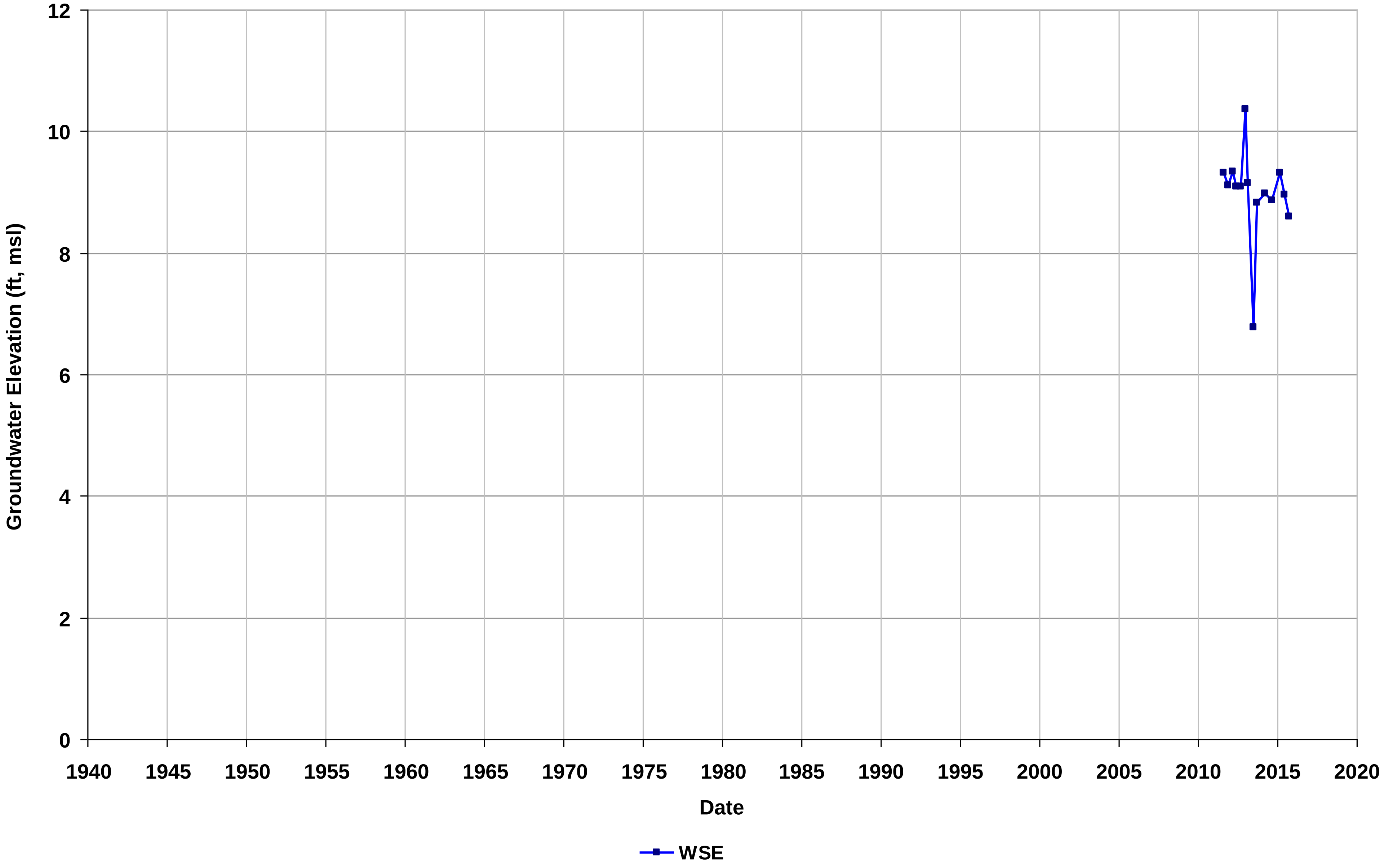
Well Name: T0600141337-MW-10
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/26
Well Use: Observation



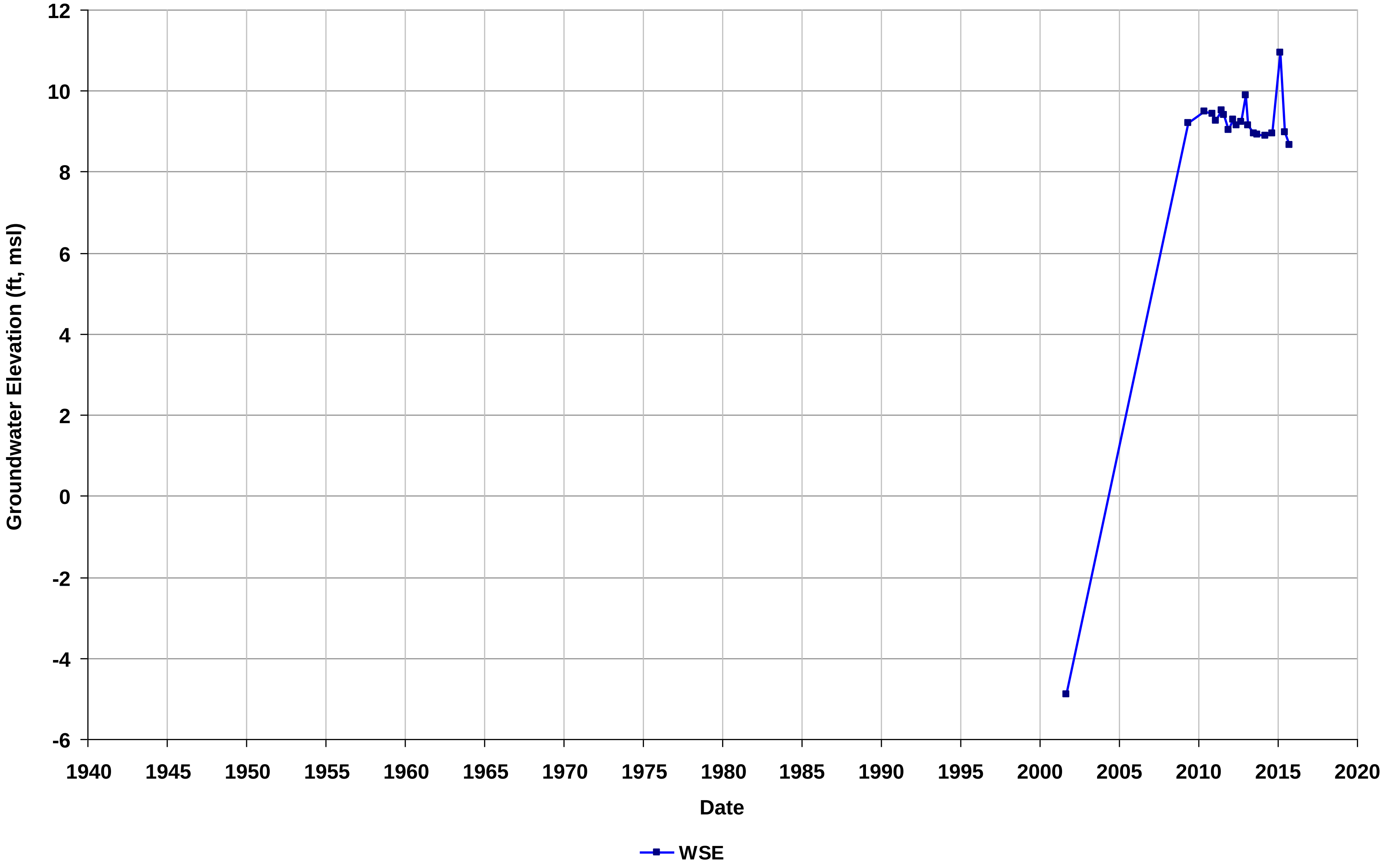
Well Name: T0600141337-MW-2R
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/26
Well Use: Observation



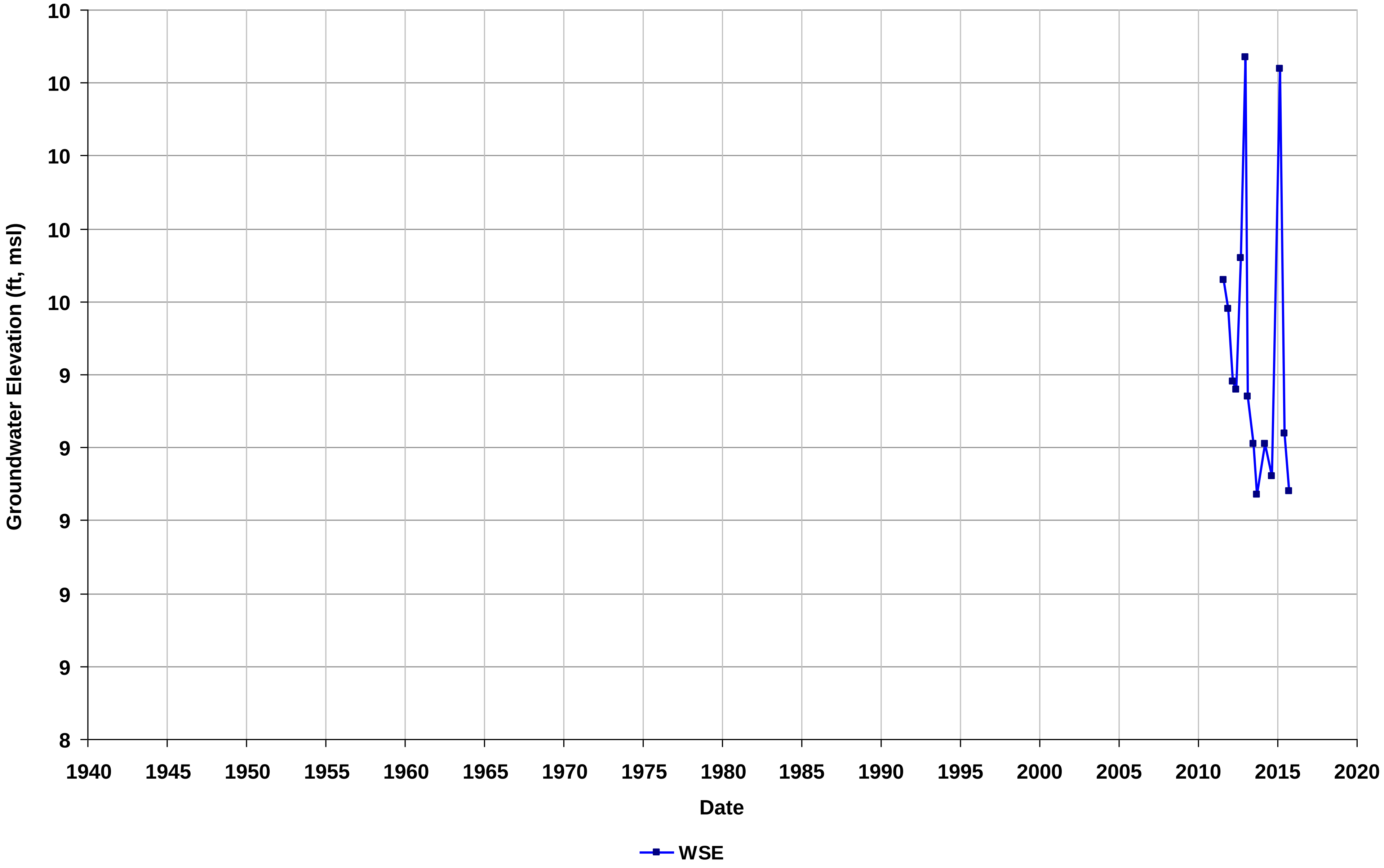
Well Name: T0600141337-MW-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/26
Well Use: Observation



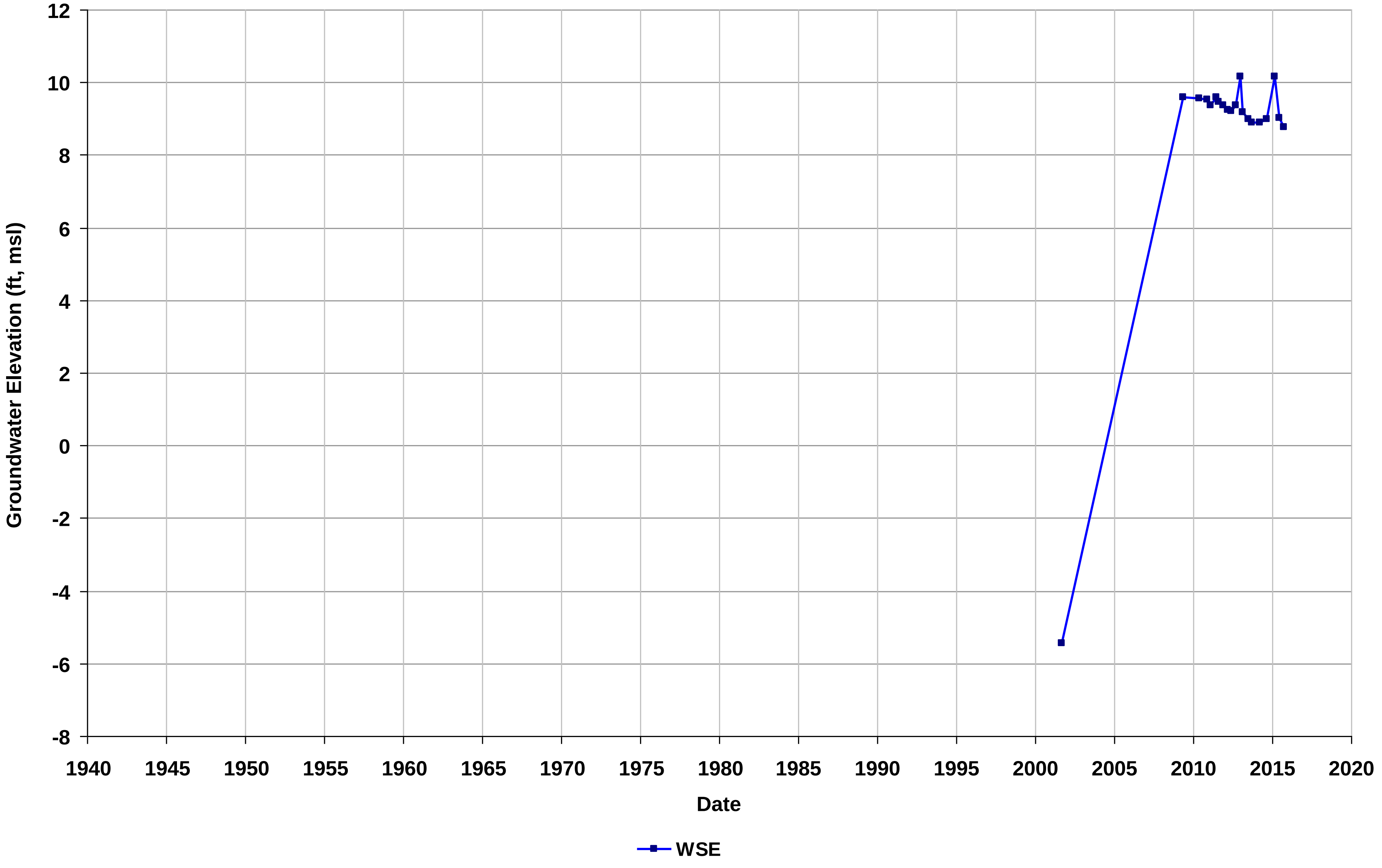
Well Name: T0600141337-MW-5R
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/26
Well Use: Observation



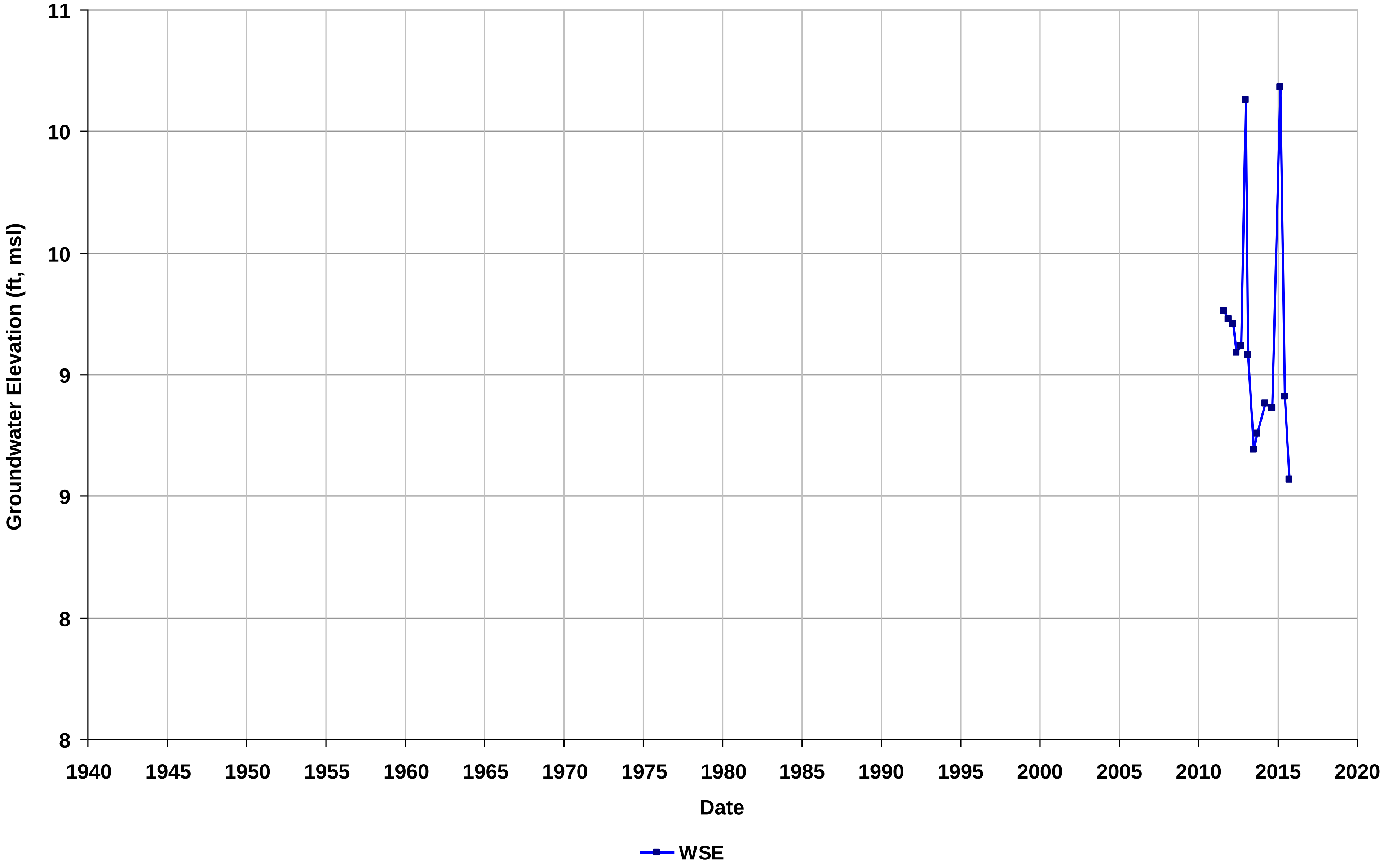
Well Name: T0600141337-MW-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/26
Well Use: Observation



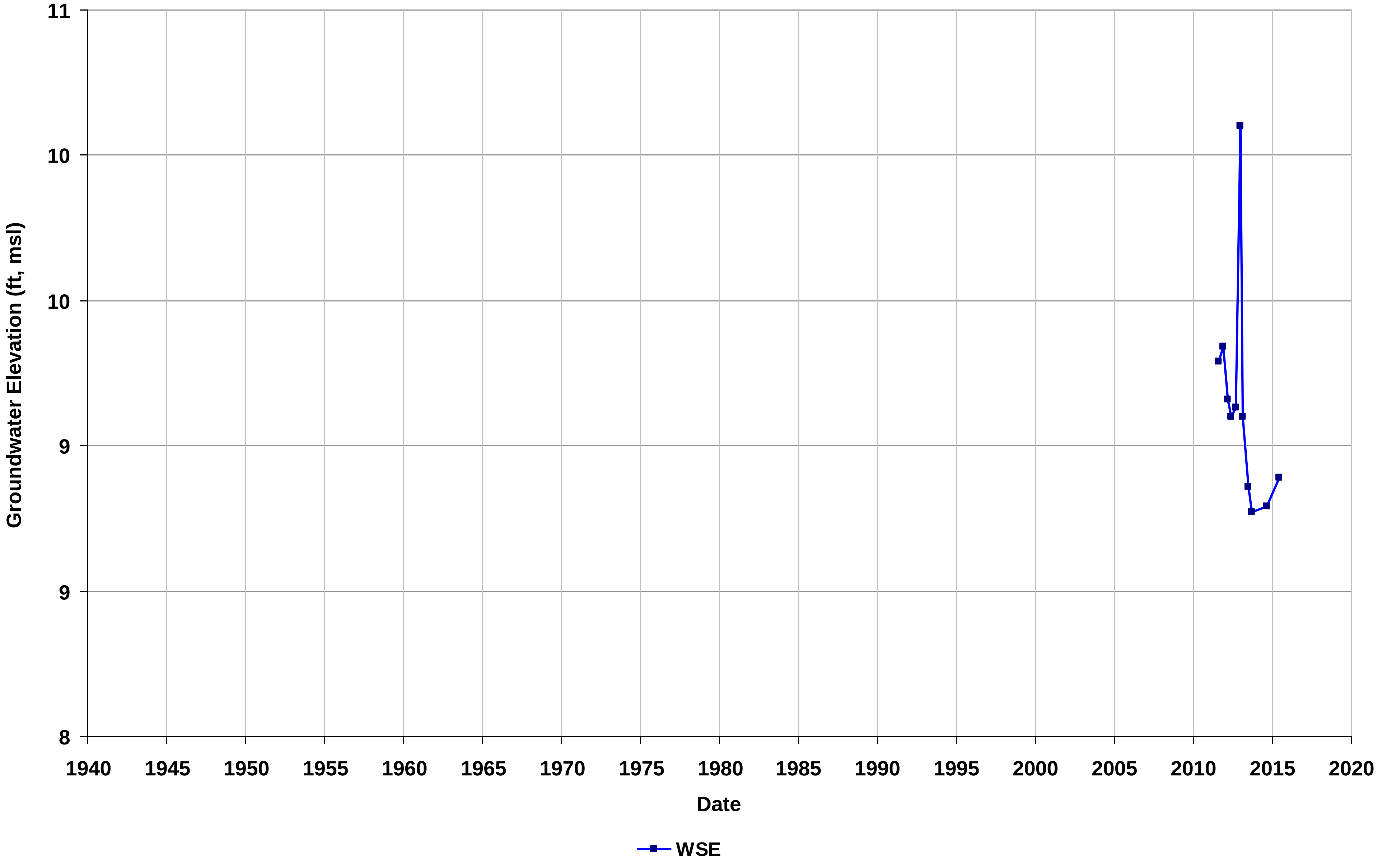
Well Name: T0600141337-MW-7
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/26
Well Use: Observation



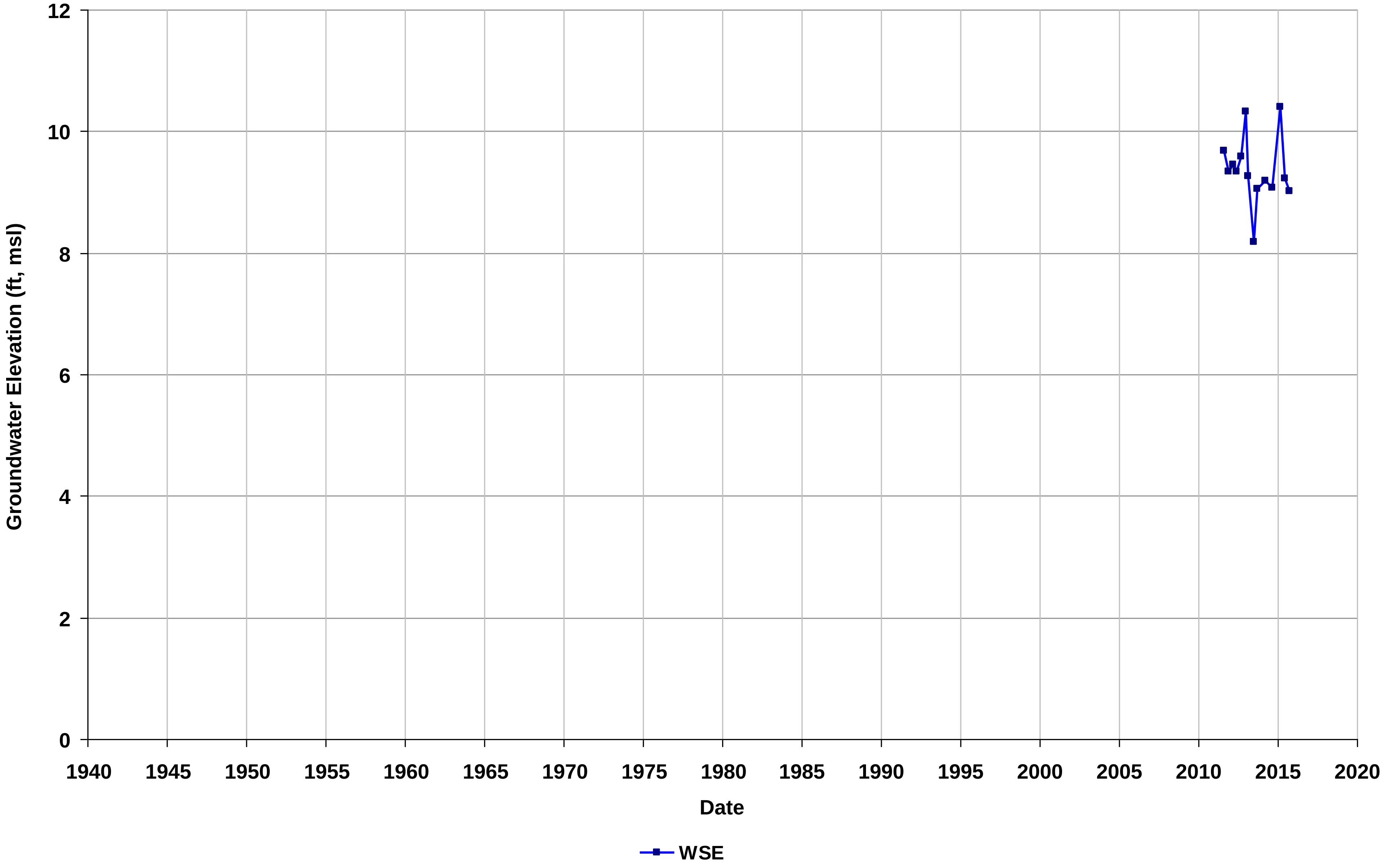
Well Name: T0600141337-MW-8
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/26
Well Use: Observation



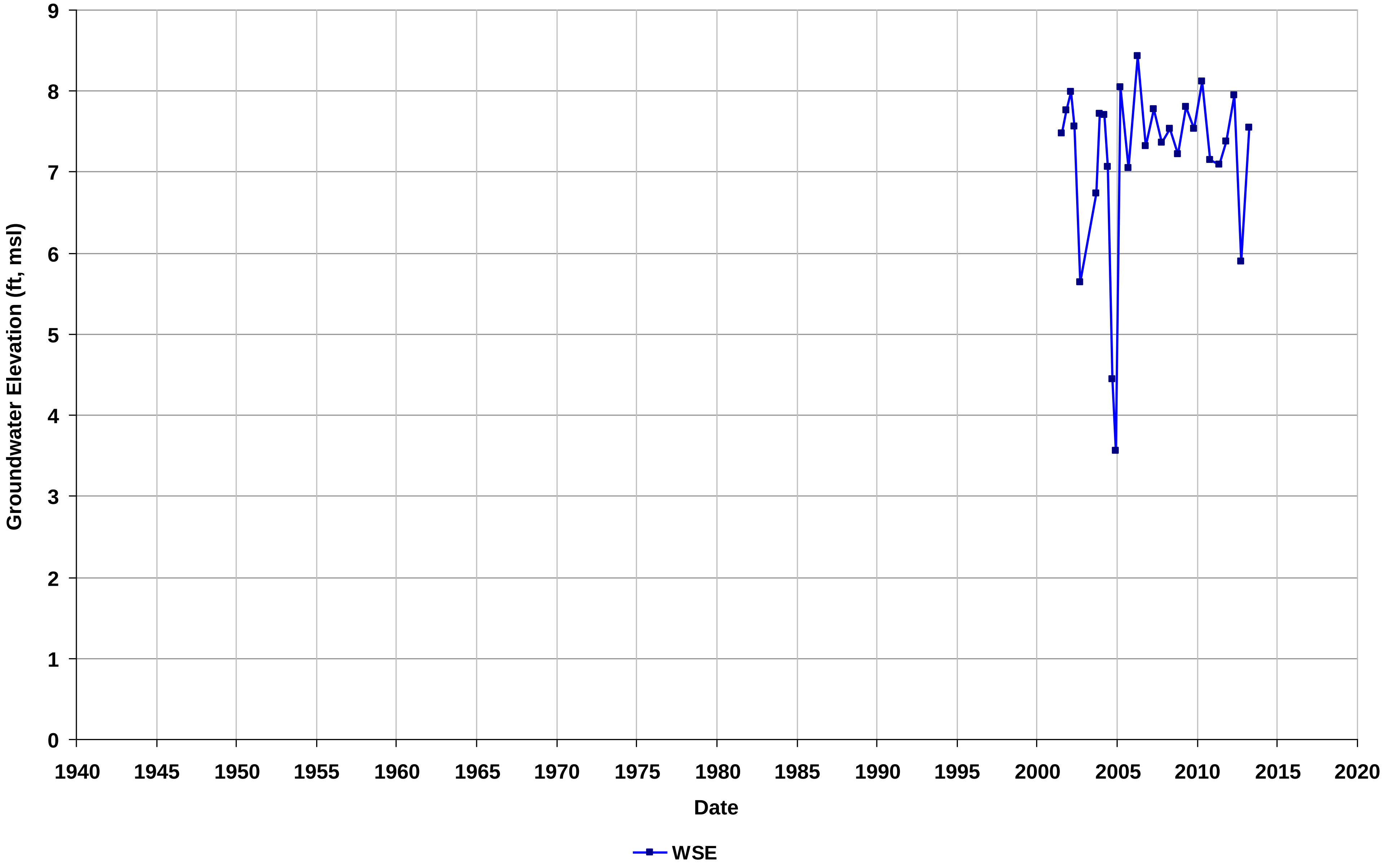
Well Name: T0600141337-MW-9
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/26
Well Use: Observation



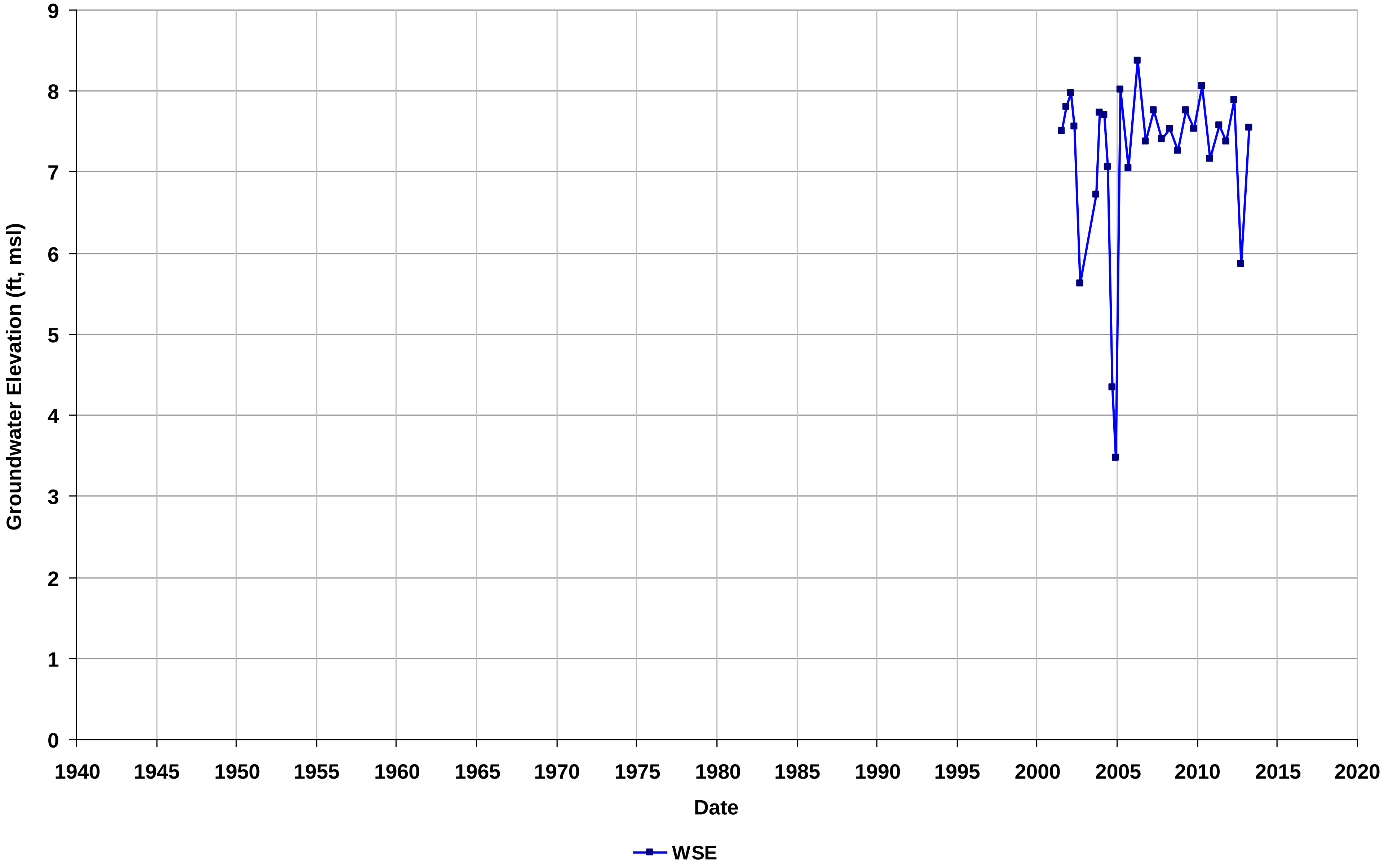
Well Name: T0600142286-H-1
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/03
Well Use: Observation



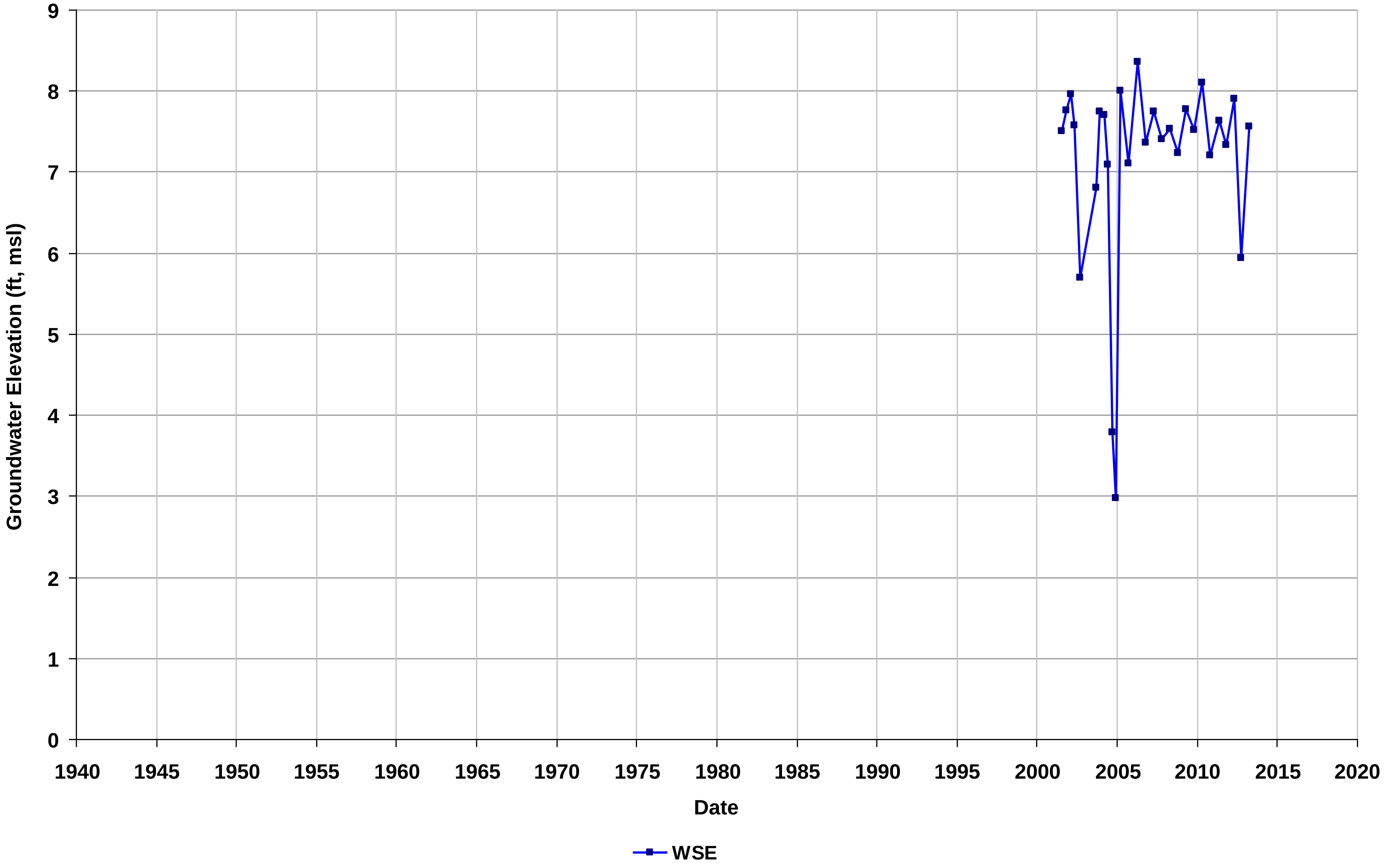
Well Name: T0600142286-H-2
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/03
Well Use: Observation



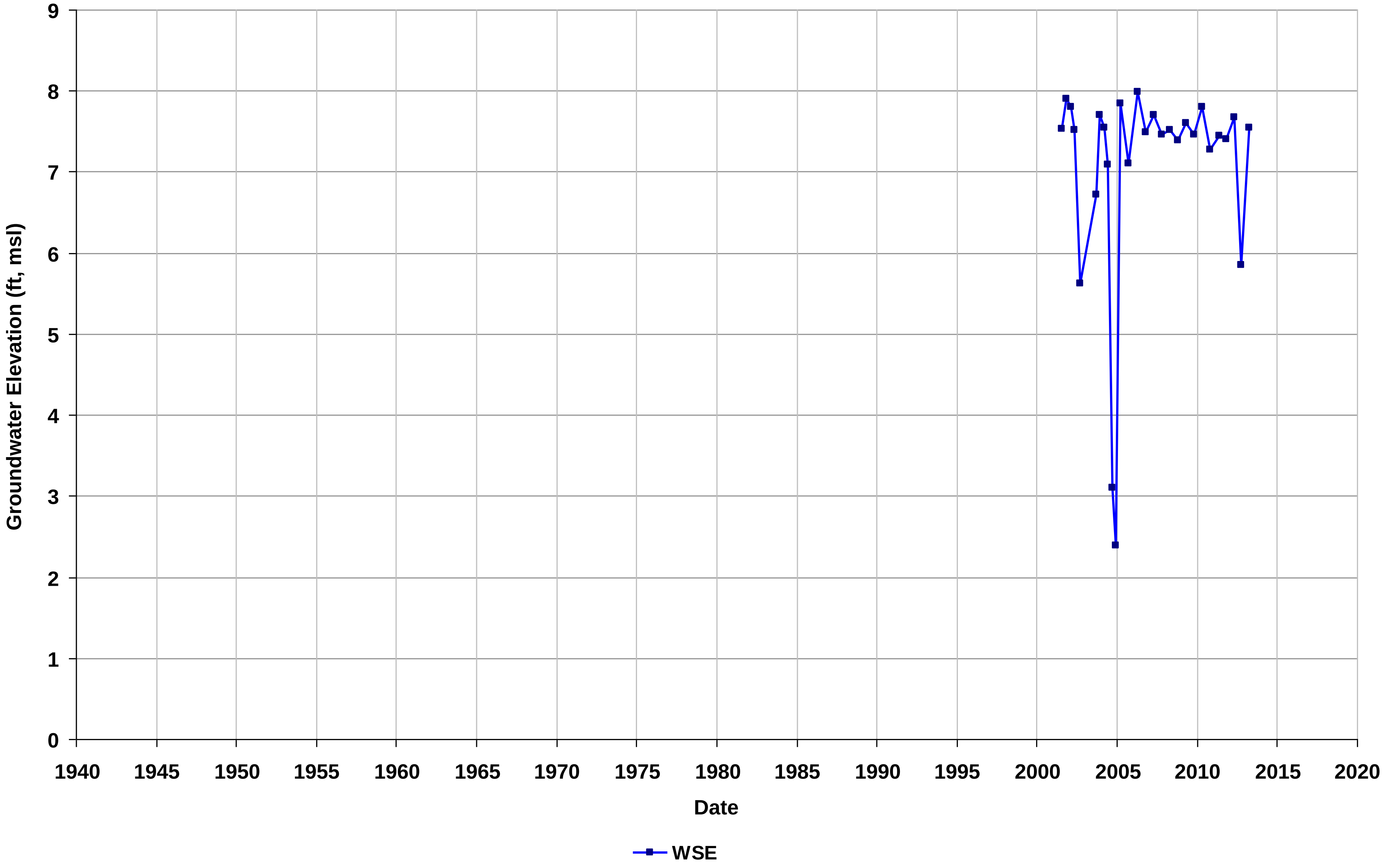
Well Name: T0600142286-H-3
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/03
Well Use: Observation



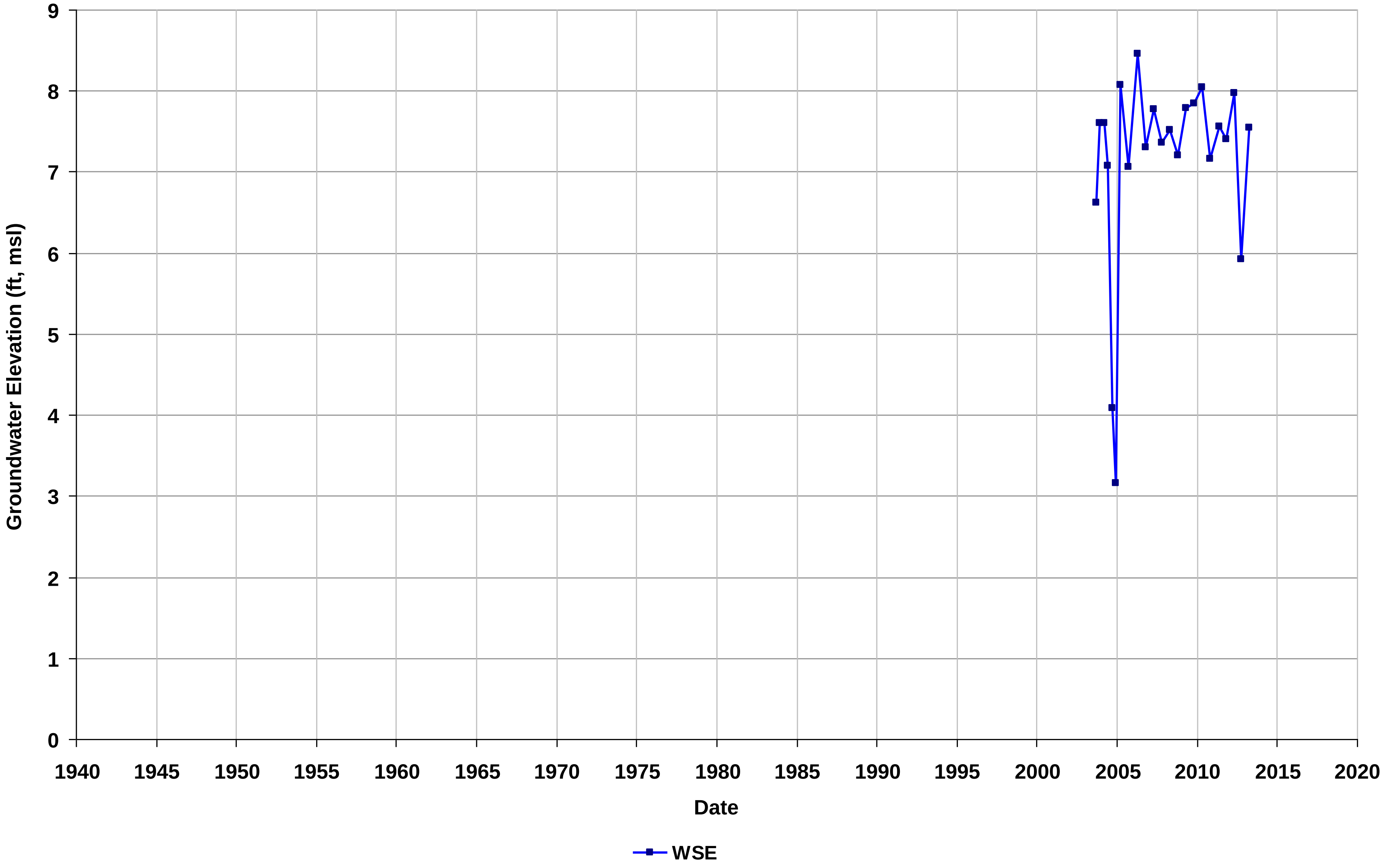
Well Name: T0600142286-H-4
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/03
Well Use: Observation



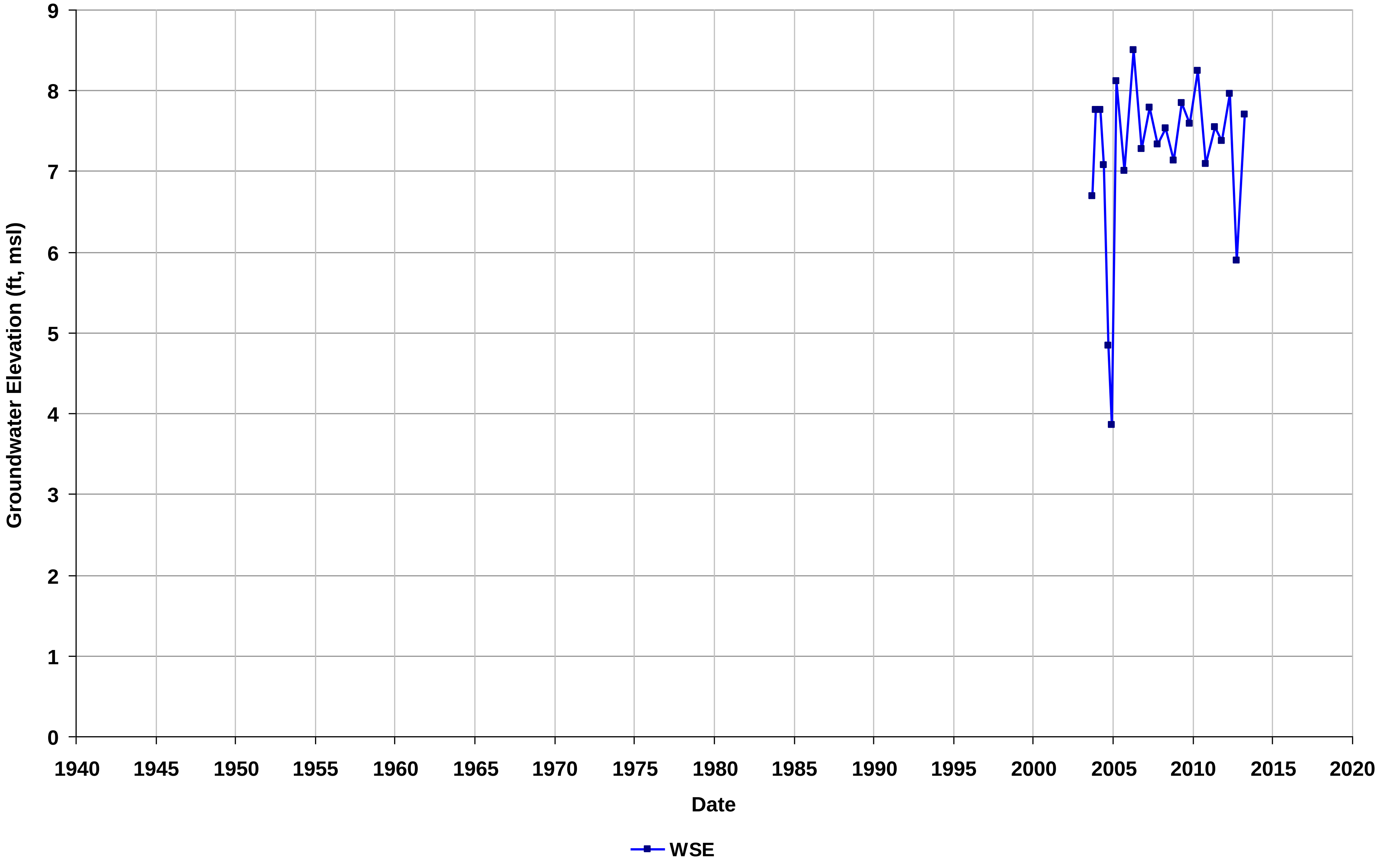
Well Name: T0600142286-H-5
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/03
Well Use: Observation



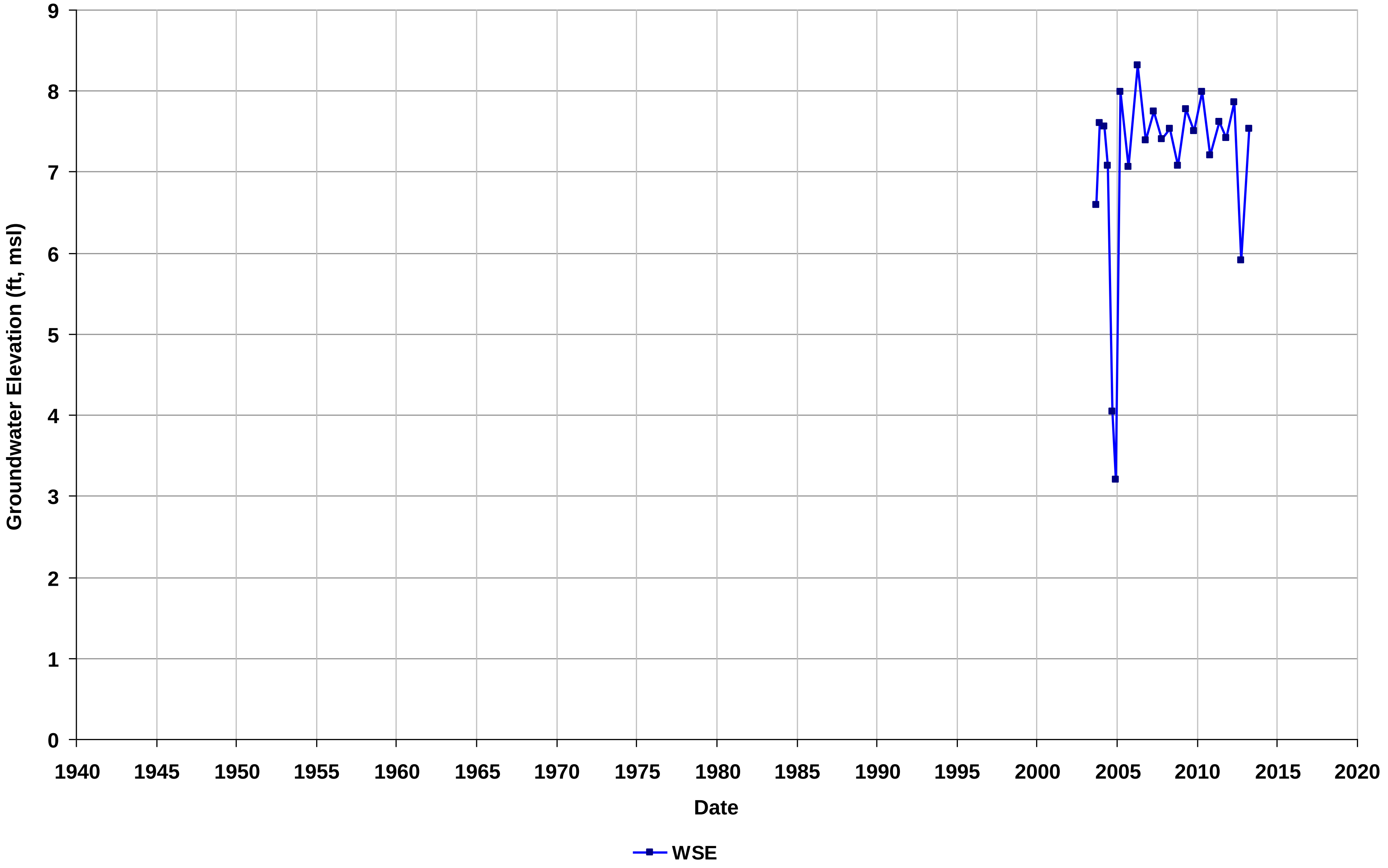
Well Name: T0600142286-H-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/03
Well Use: Observation



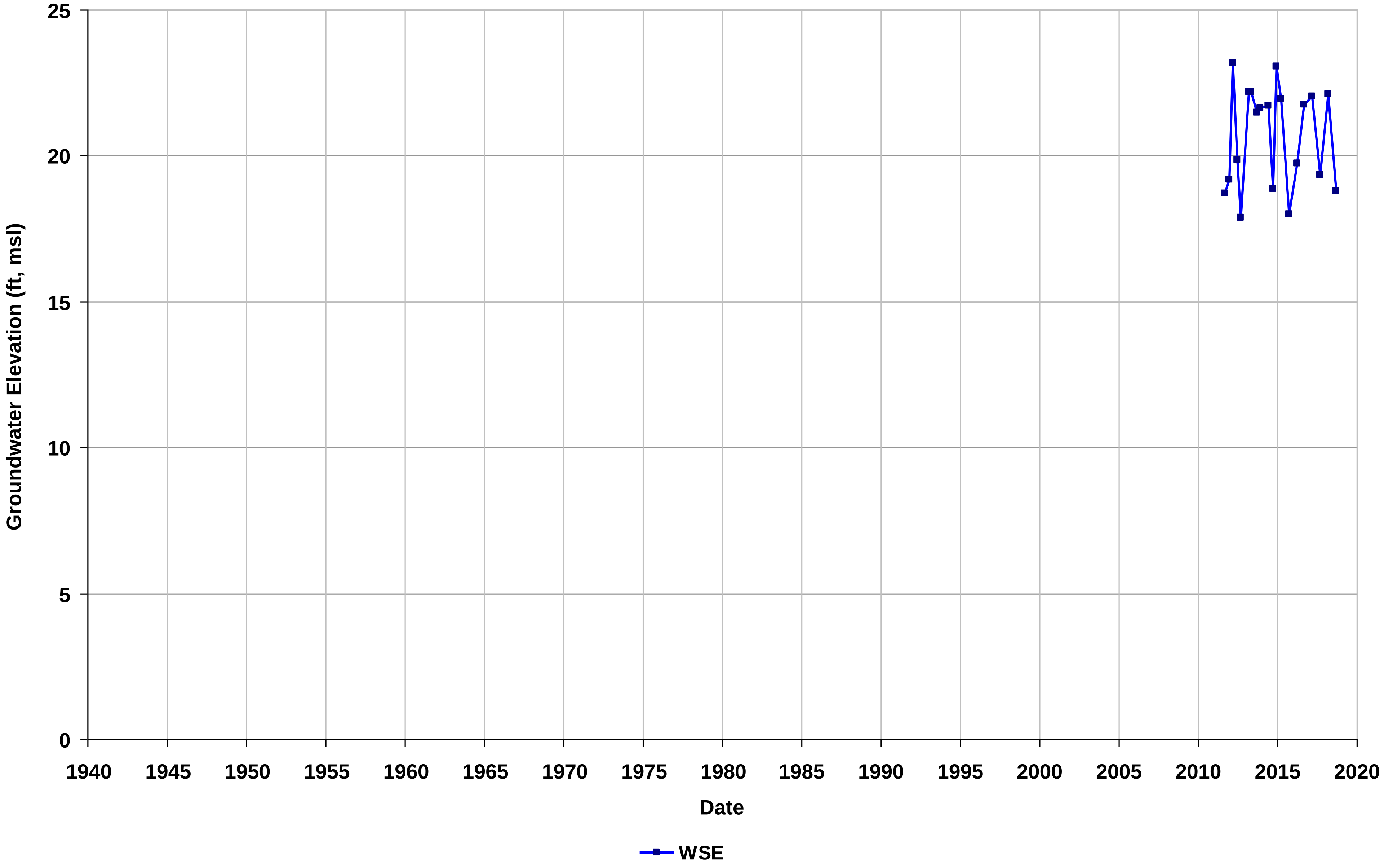
Well Name: T0600142286-H-7
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/03
Well Use: Observation



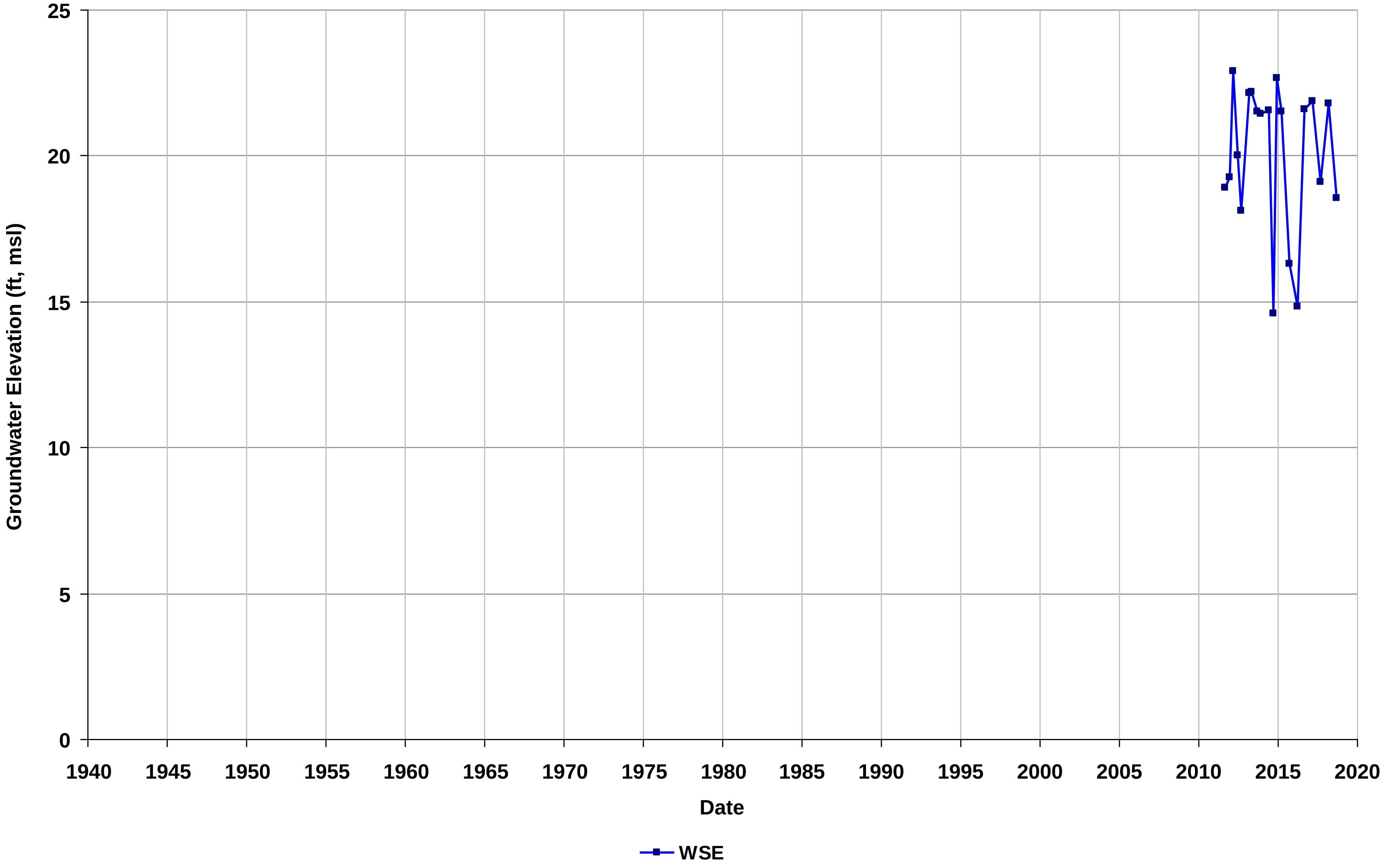
Well Name: T0600174667-EW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/36
Well Use: Observation



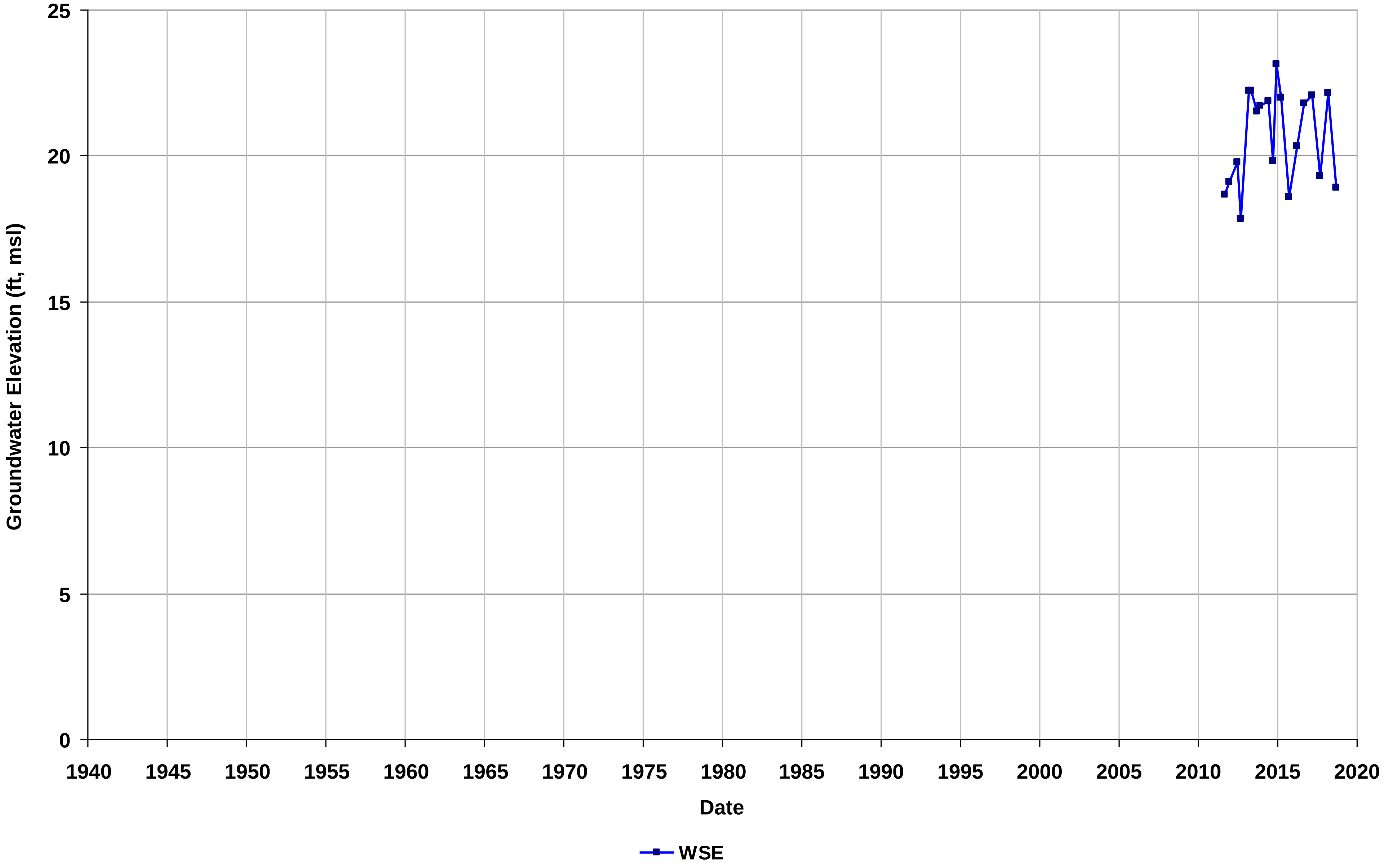
Well Name: T0600174667-EW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/36
Well Use: Observation



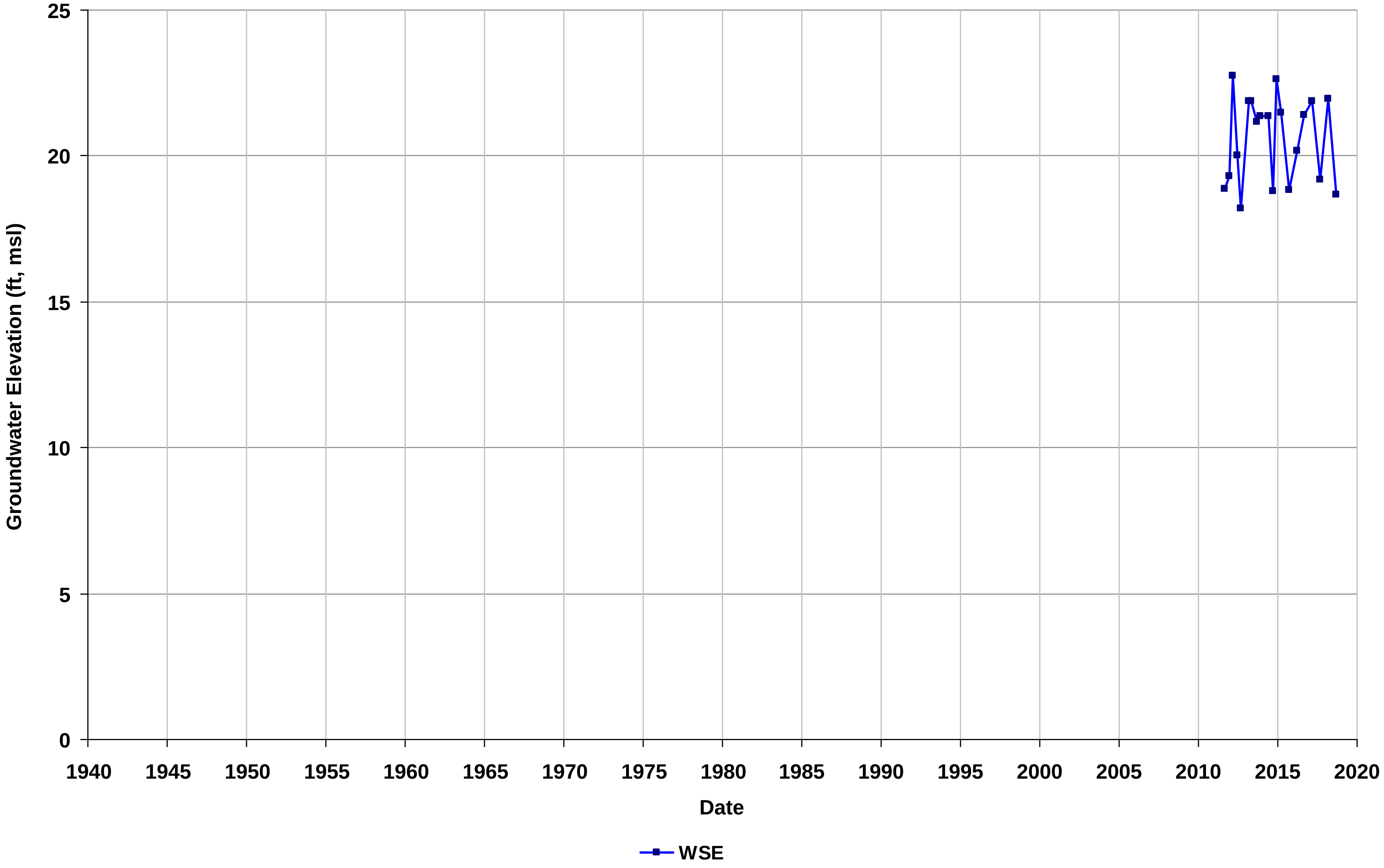
Well Name: T0600174667-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/36
Well Use: Observation



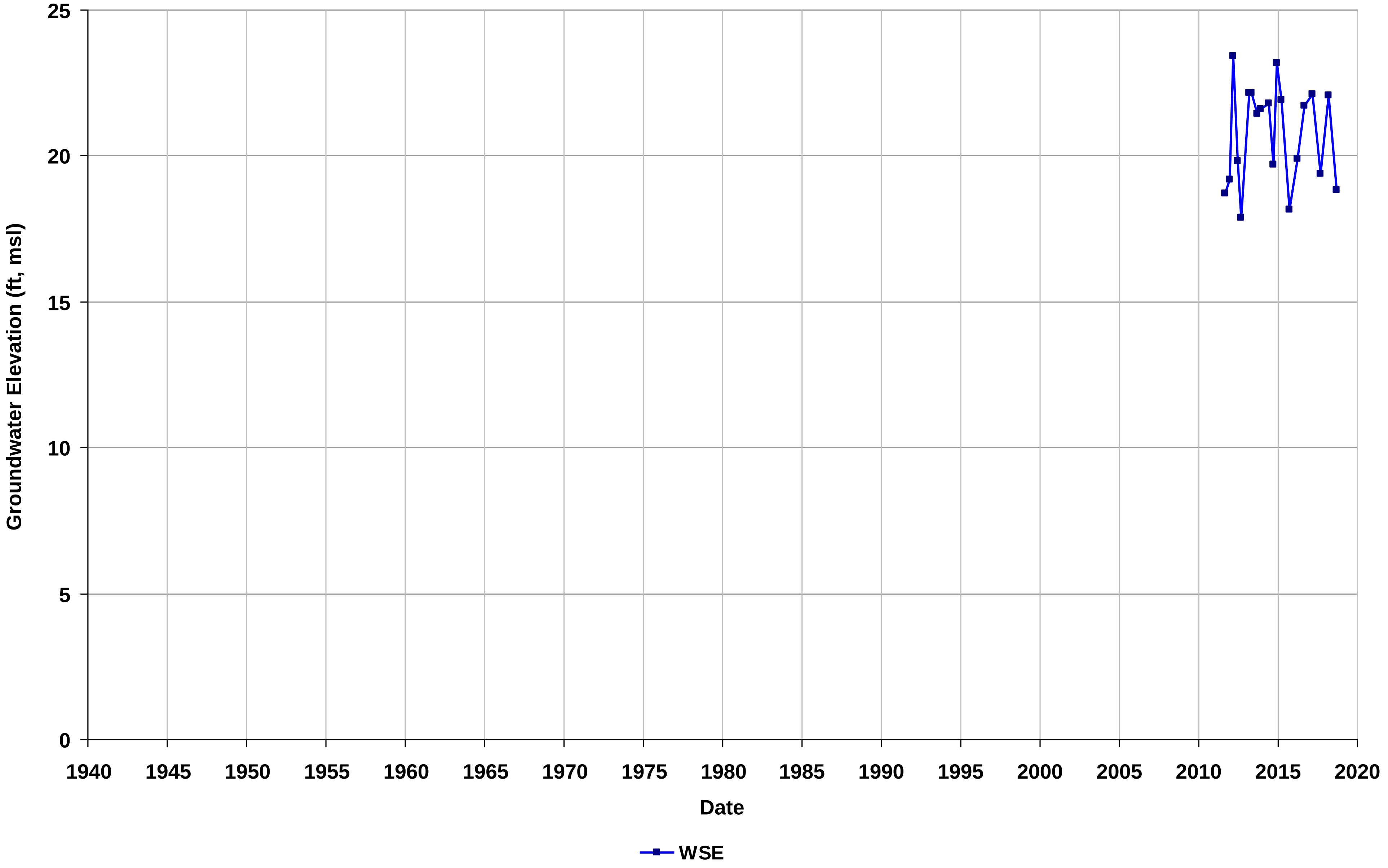
Well Name: T0600174667-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/36
Well Use: Observation



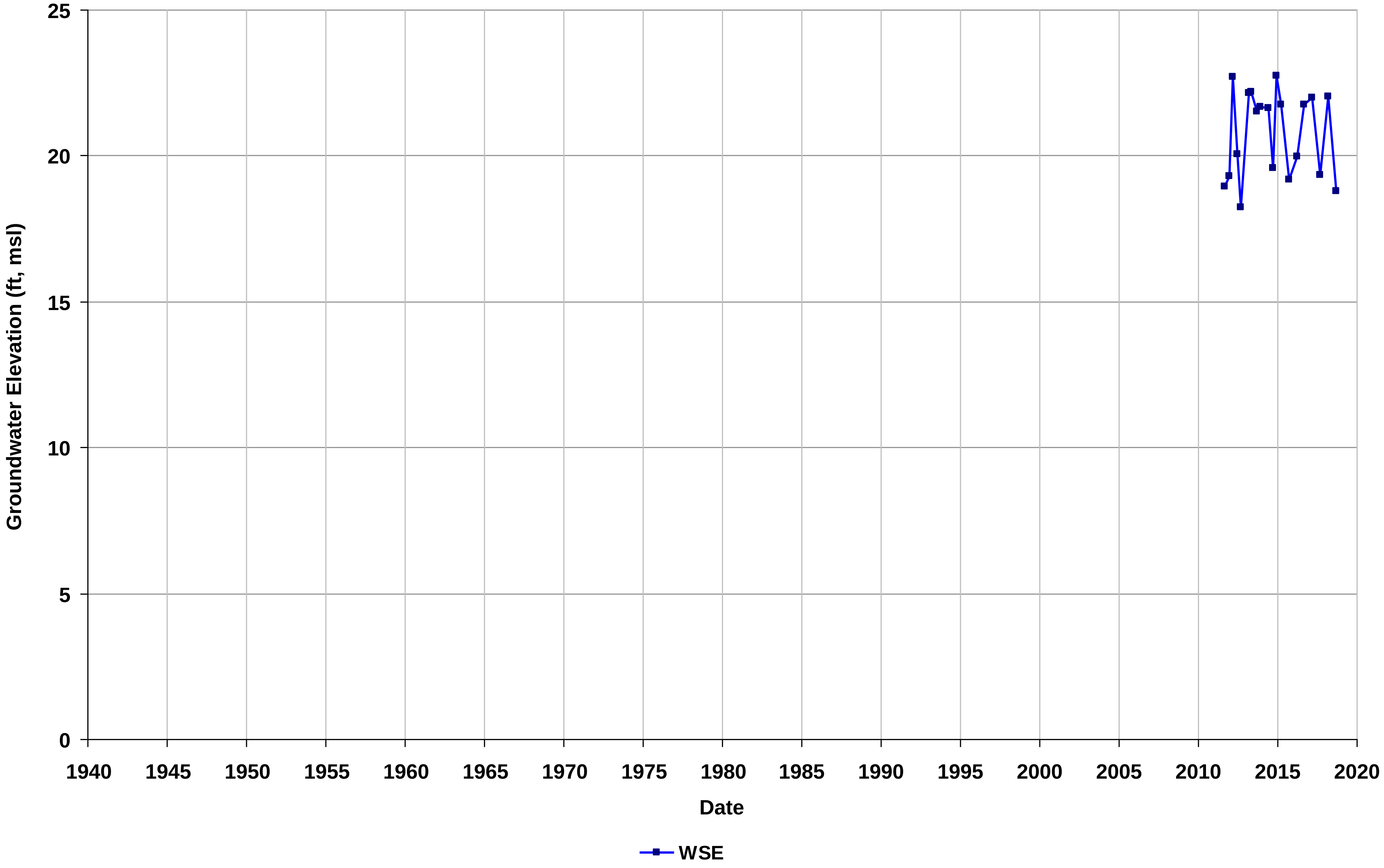
Well Name: T0600174667-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/36
Well Use: Observation



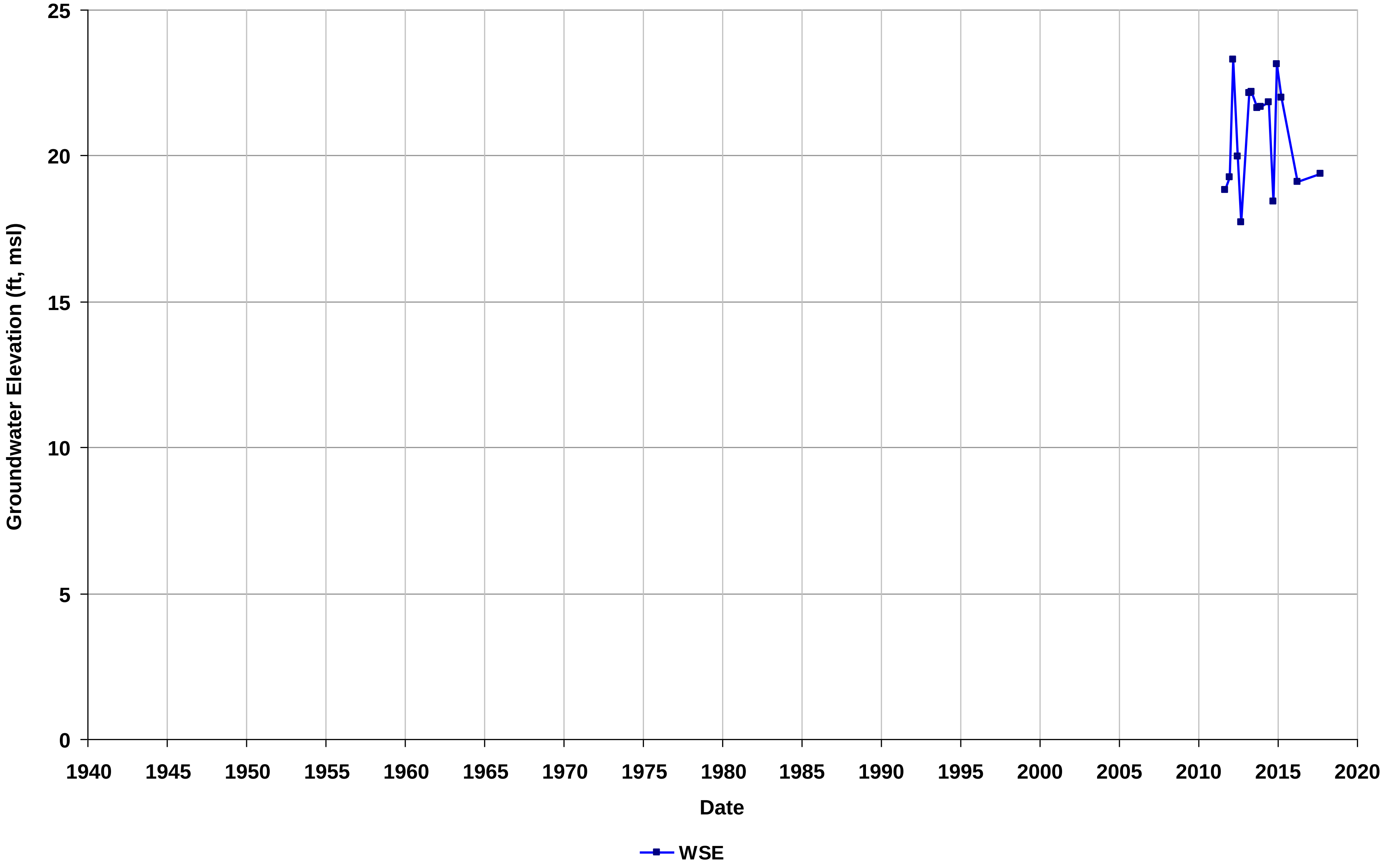
Well Name: T0600174667-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/36
Well Use: Observation



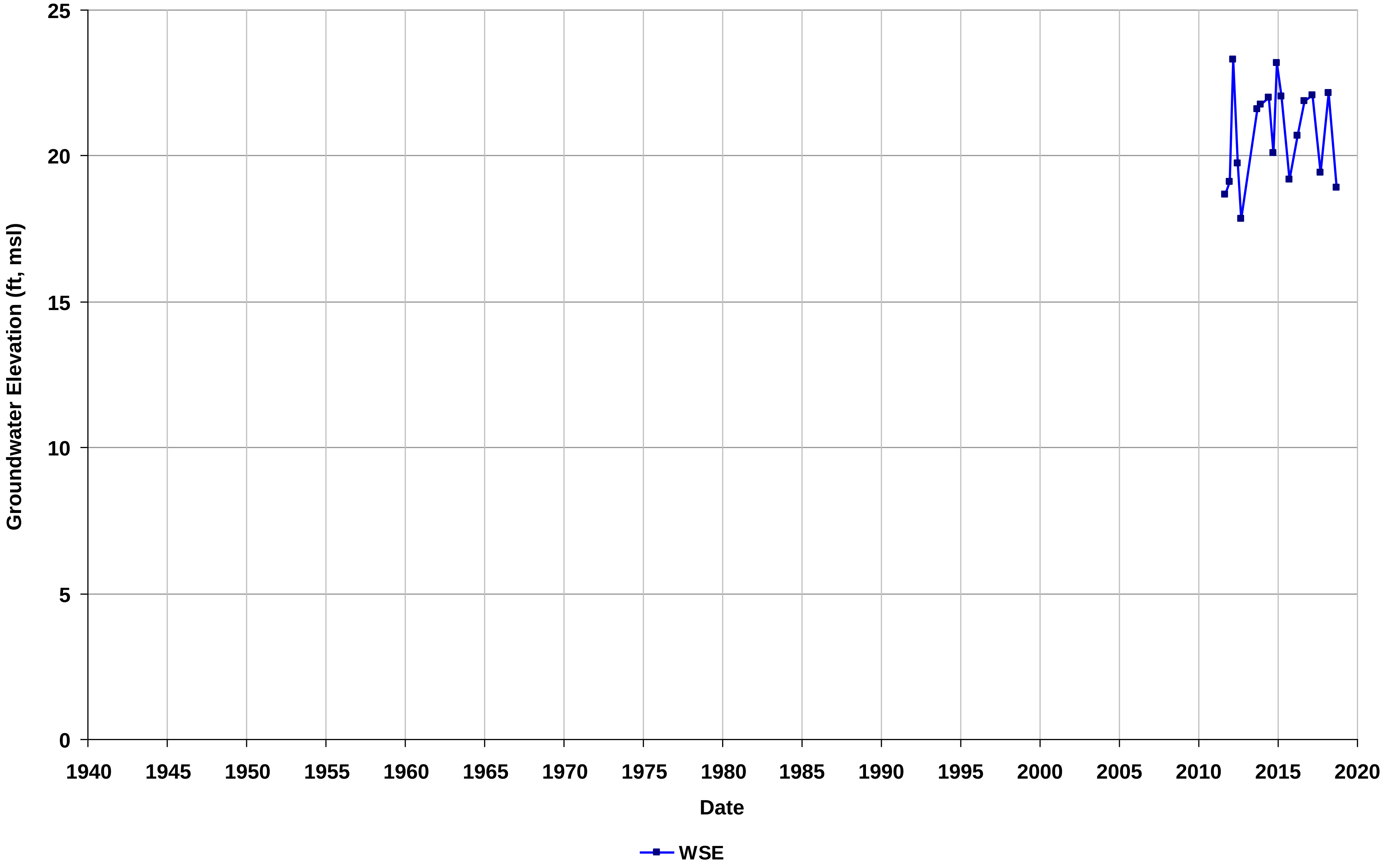
Well Name: T0600174667-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/36
Well Use: Observation



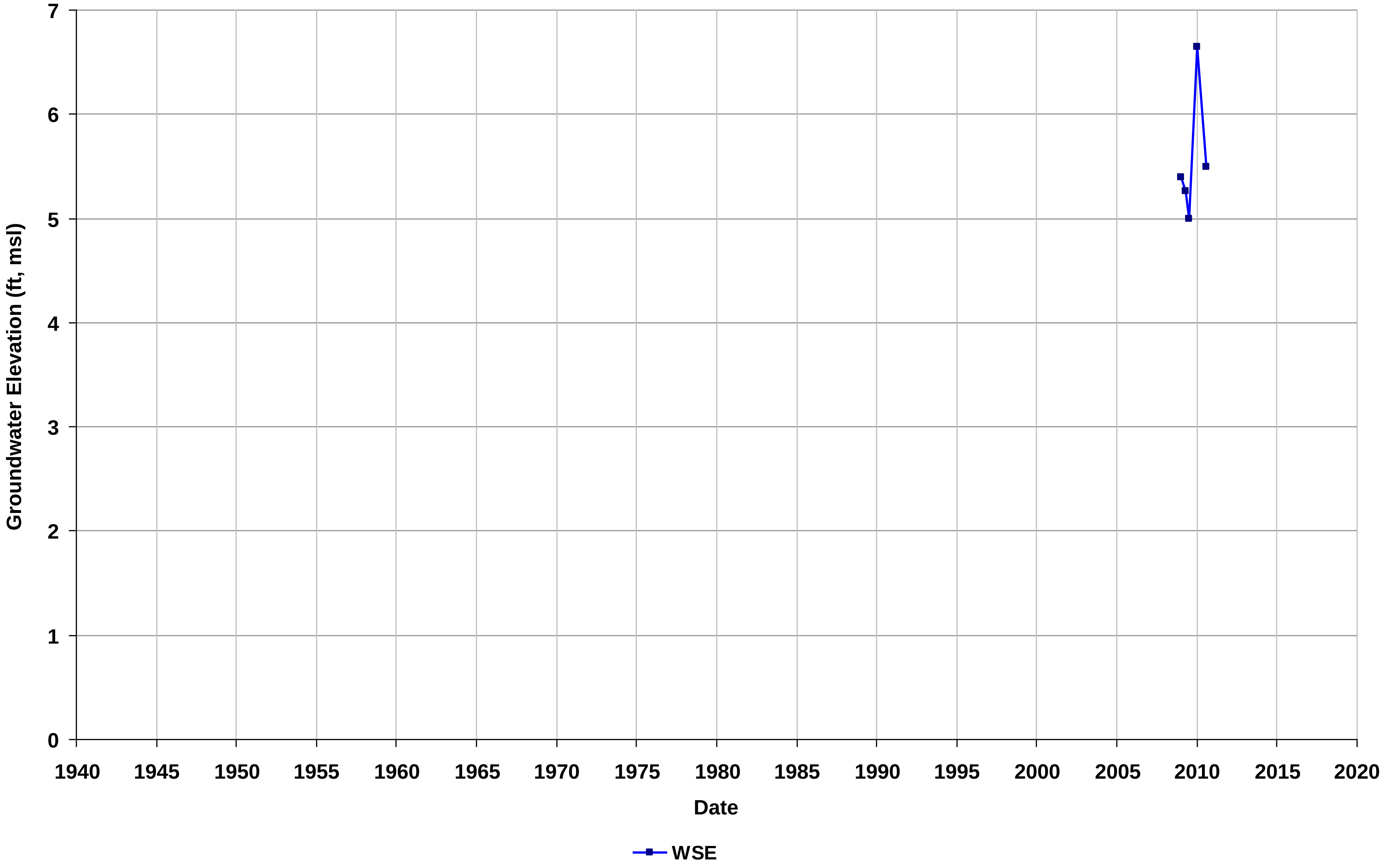
Well Name: T0600174667-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/36
Well Use: Observation



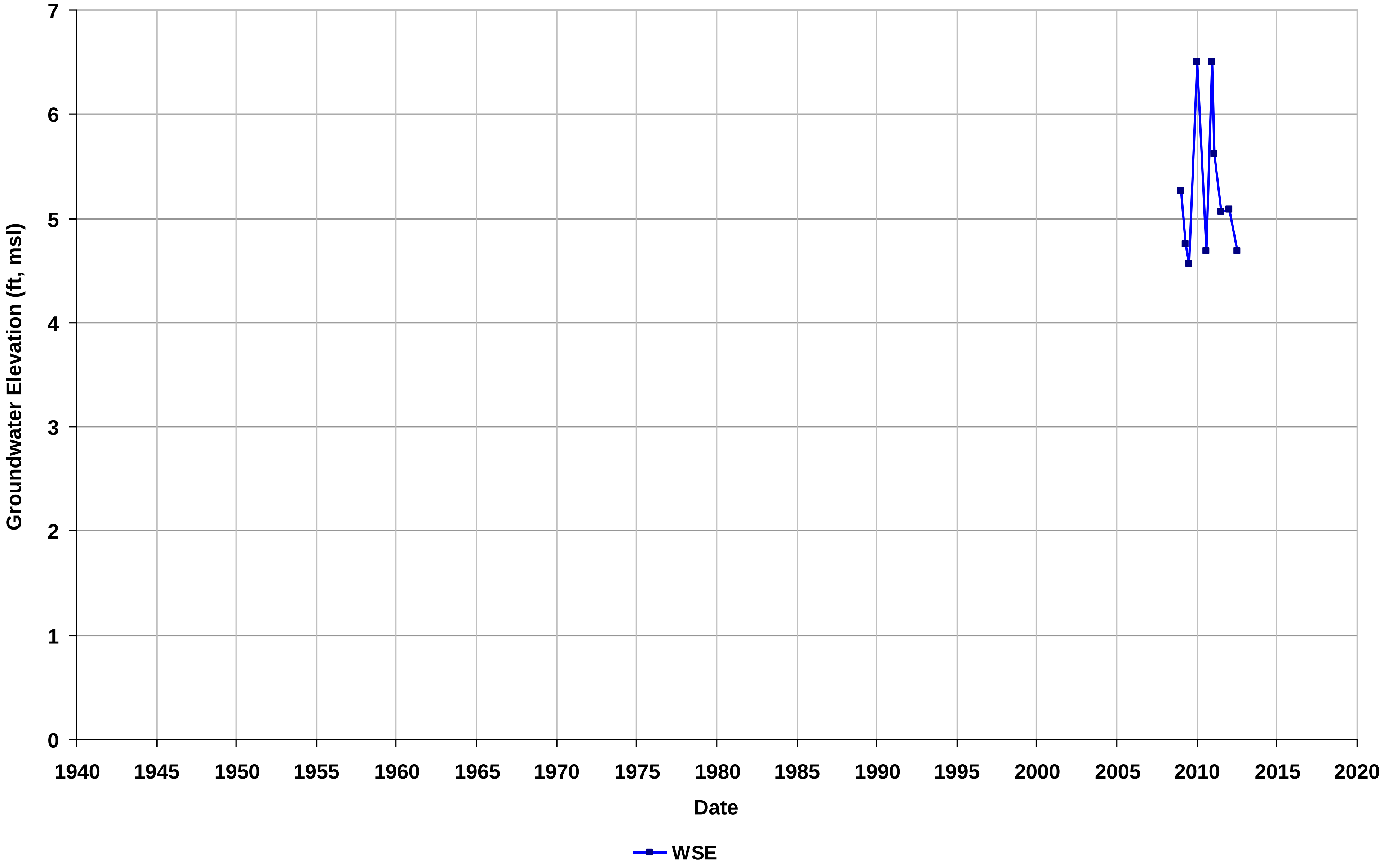
Well Name: T0600177342-DW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/07
Well Use: Observation



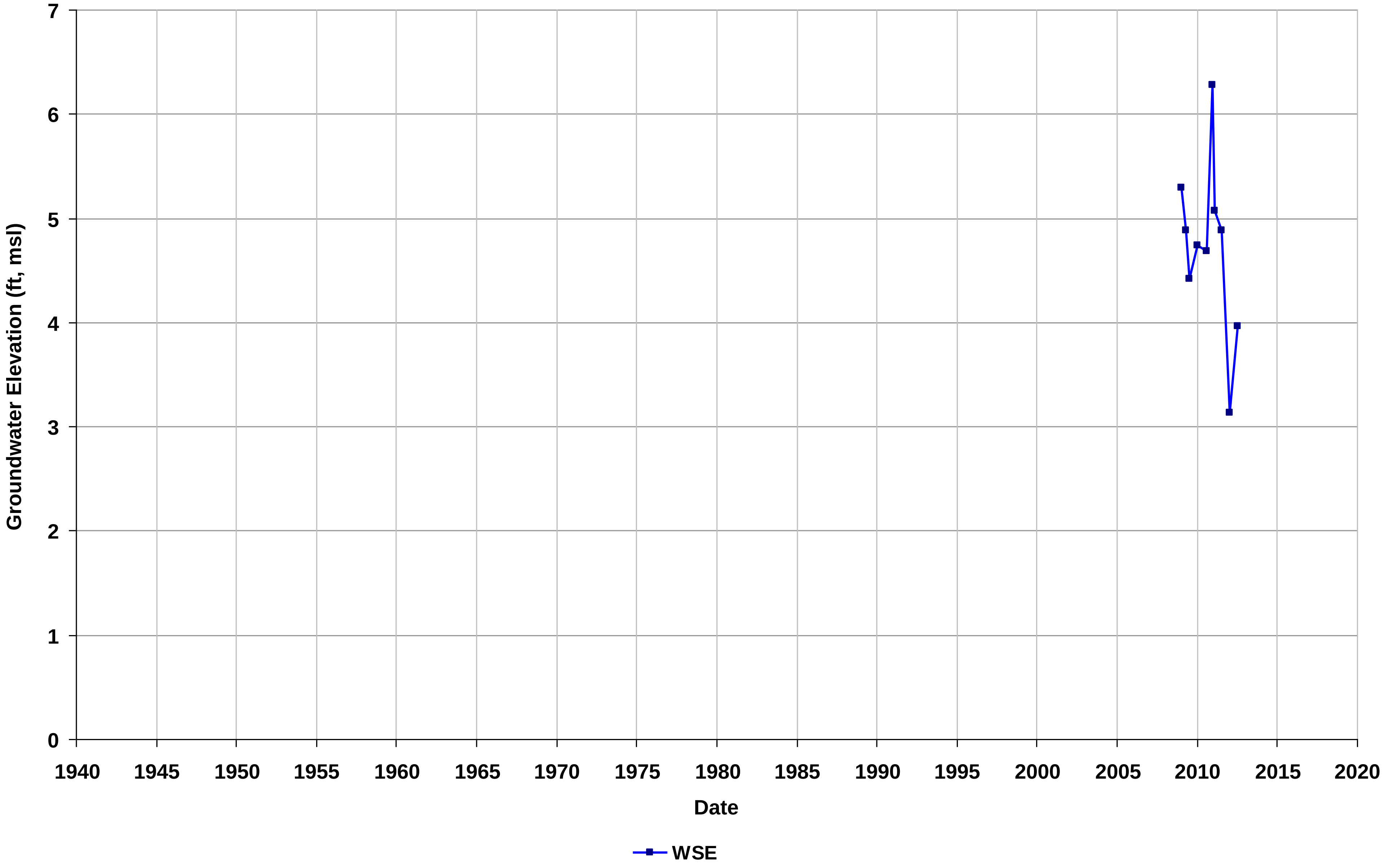
Well Name: T0600177342-MW-101
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/07
Well Use: Observation



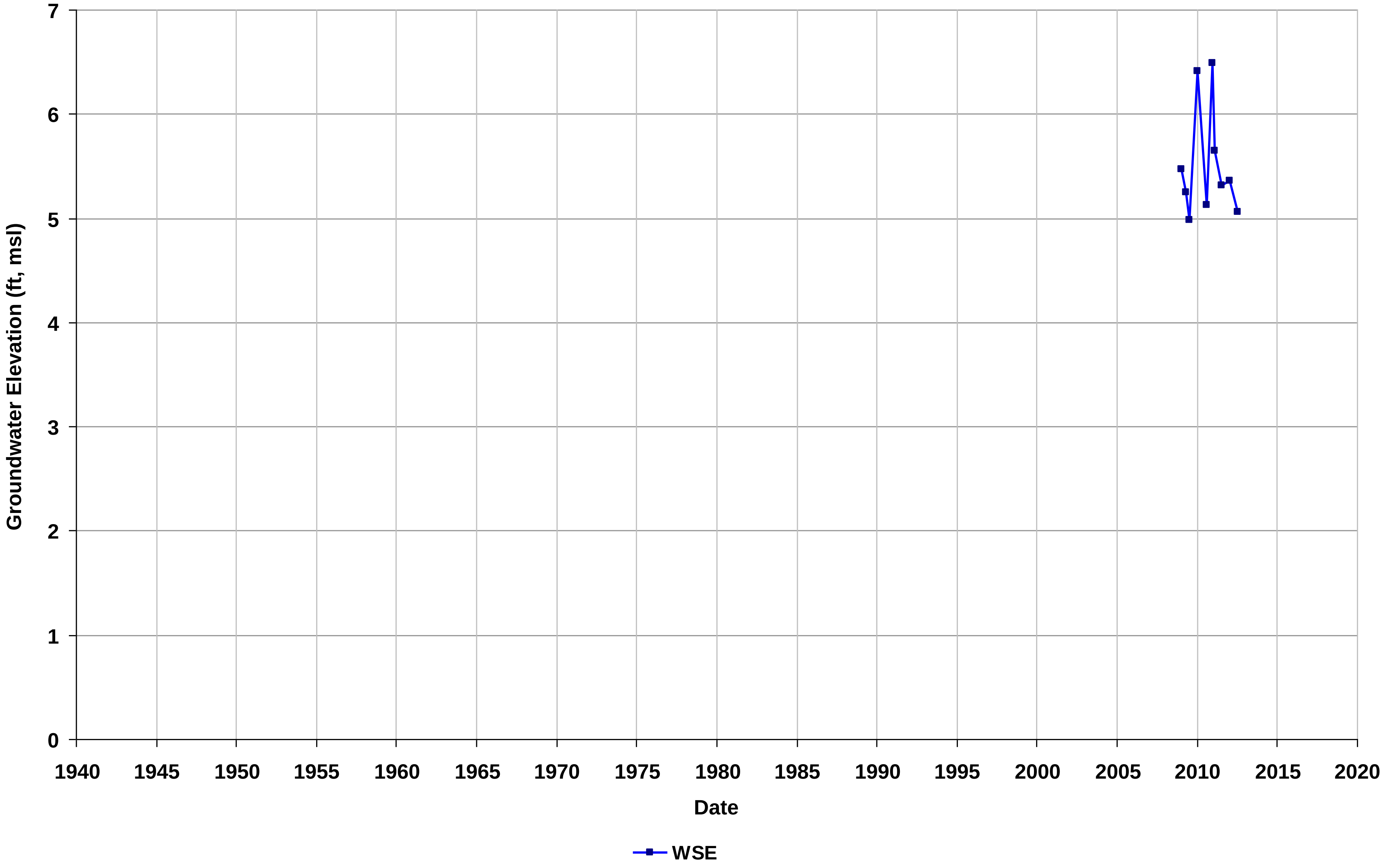
Well Name: T0600177342-MW-102
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/07
Well Use: Observation



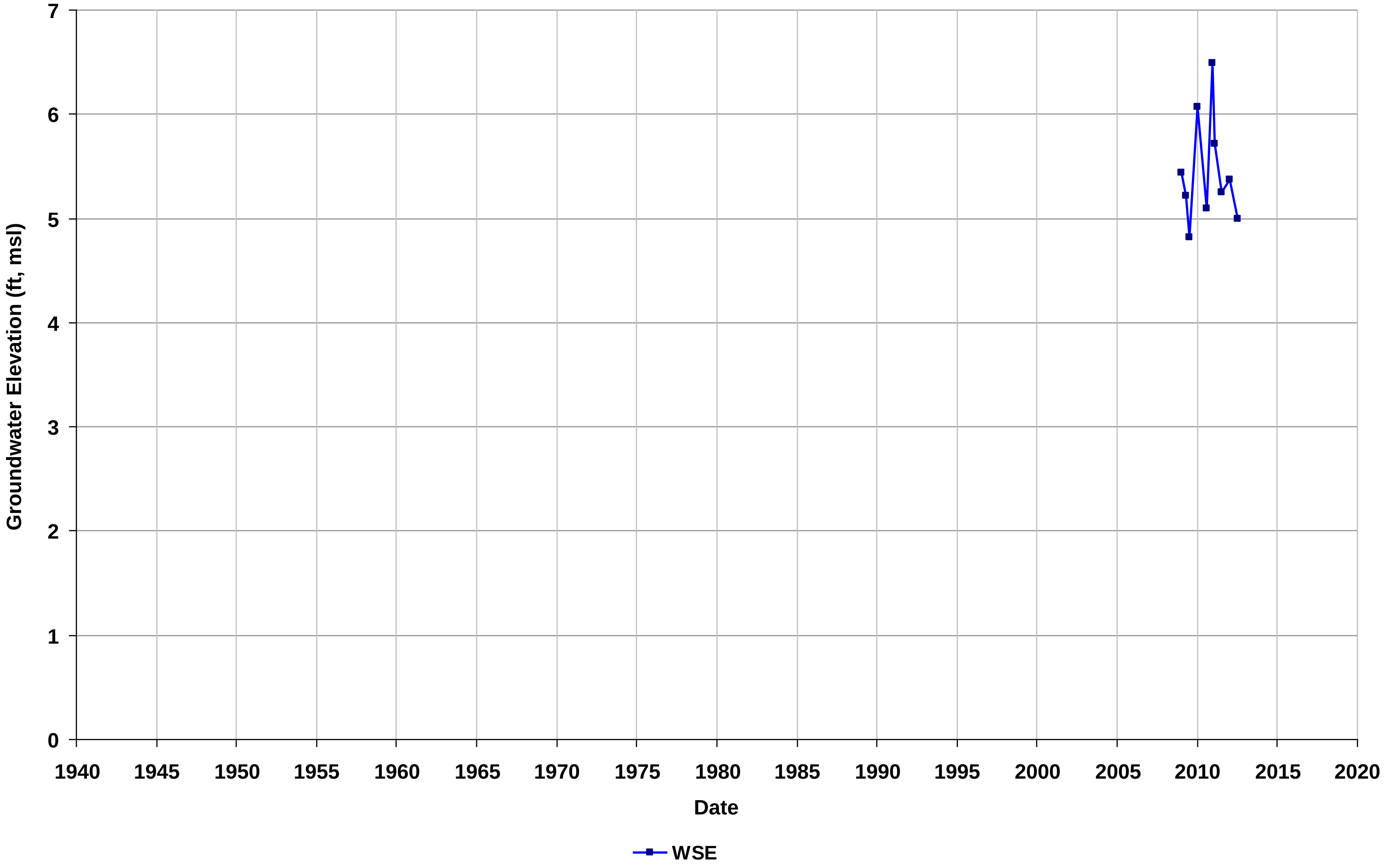
Well Name: T0600177342-MW-103
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/07
Well Use: Observation



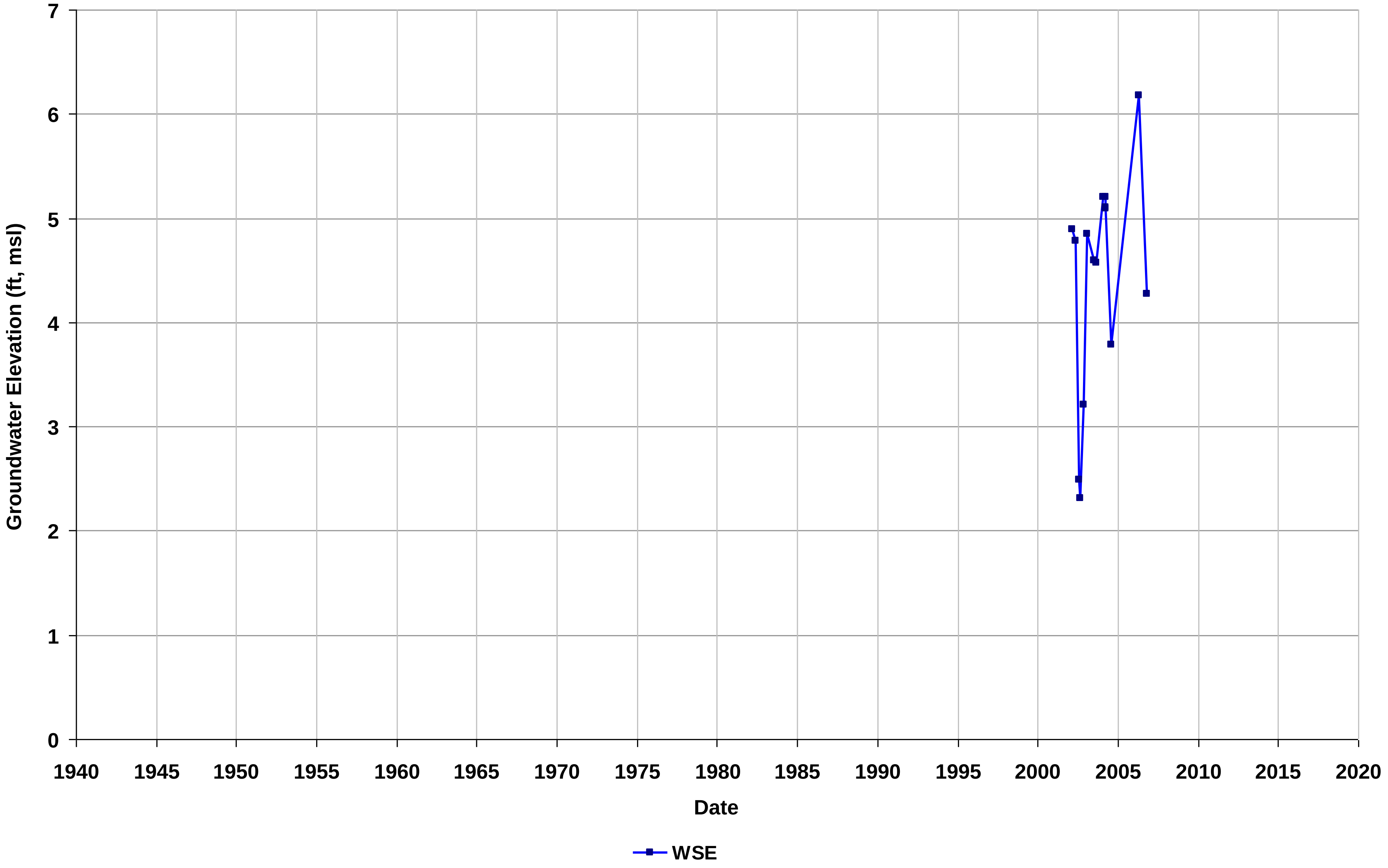
Well Name: T0600177342-MW-104
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/07
Well Use: Observation



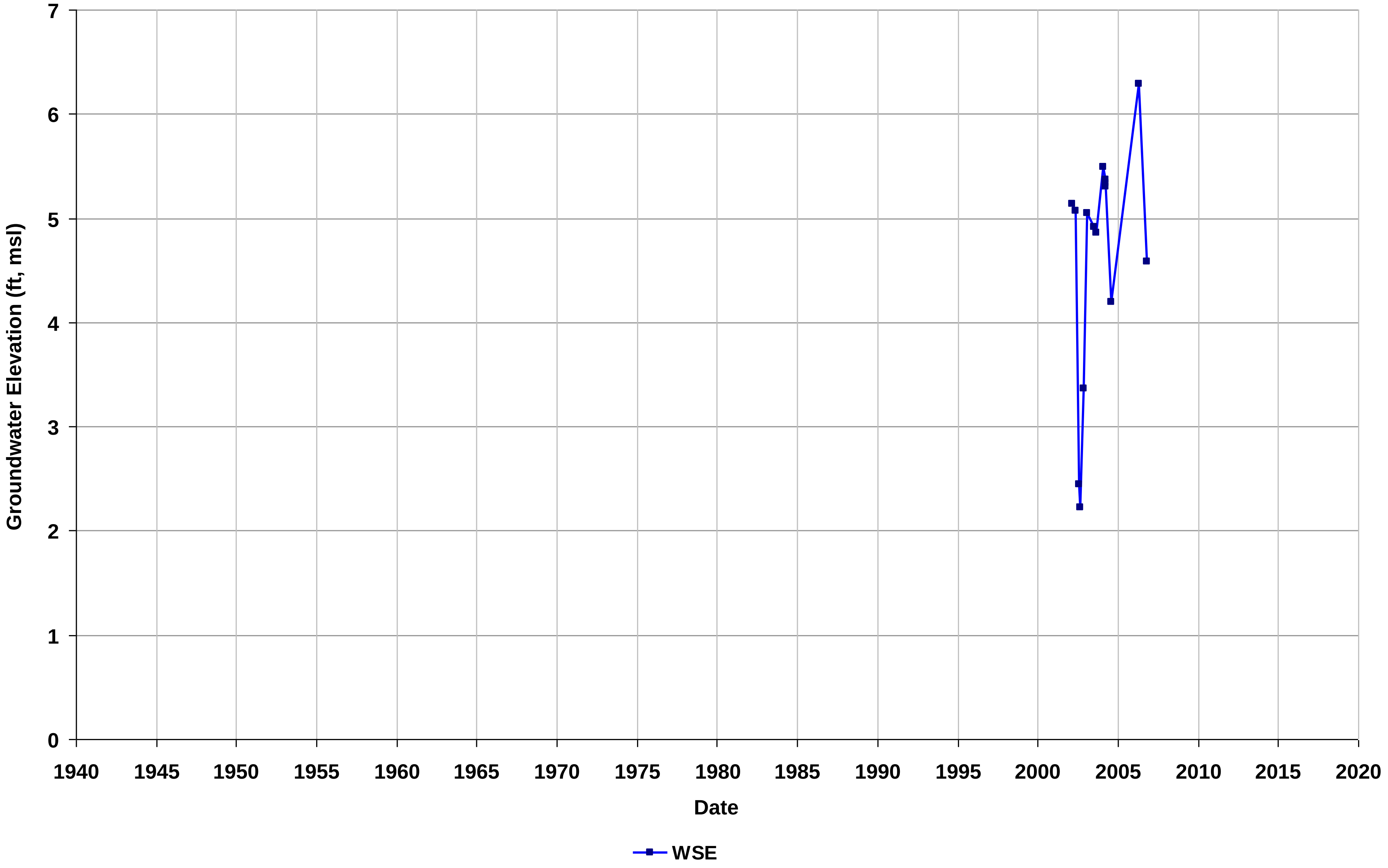
Well Name: T0600180012-MW-01
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/03
Well Use: Observation



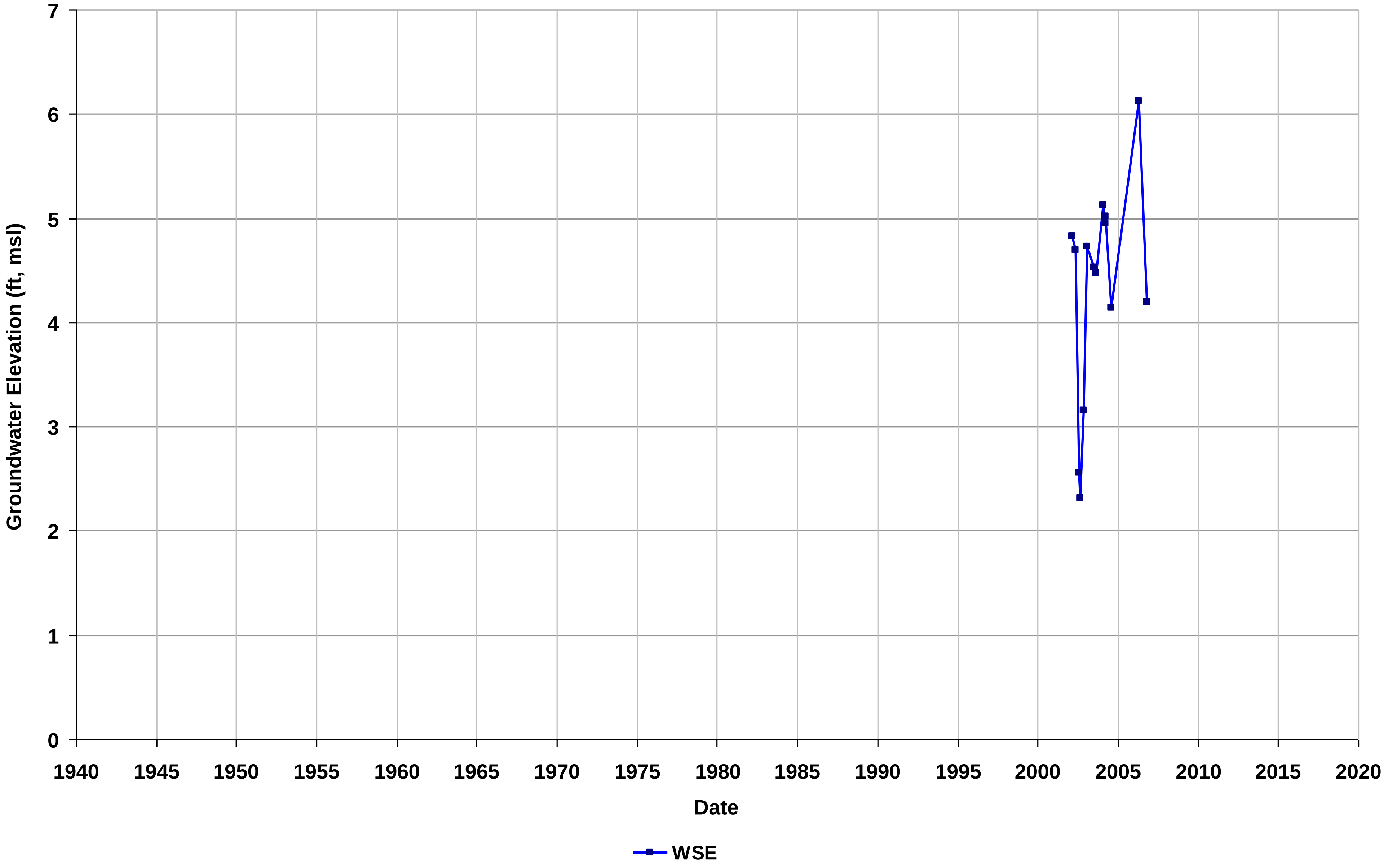
Well Name: T0600180012-MW-02
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/03
Well Use: Observation



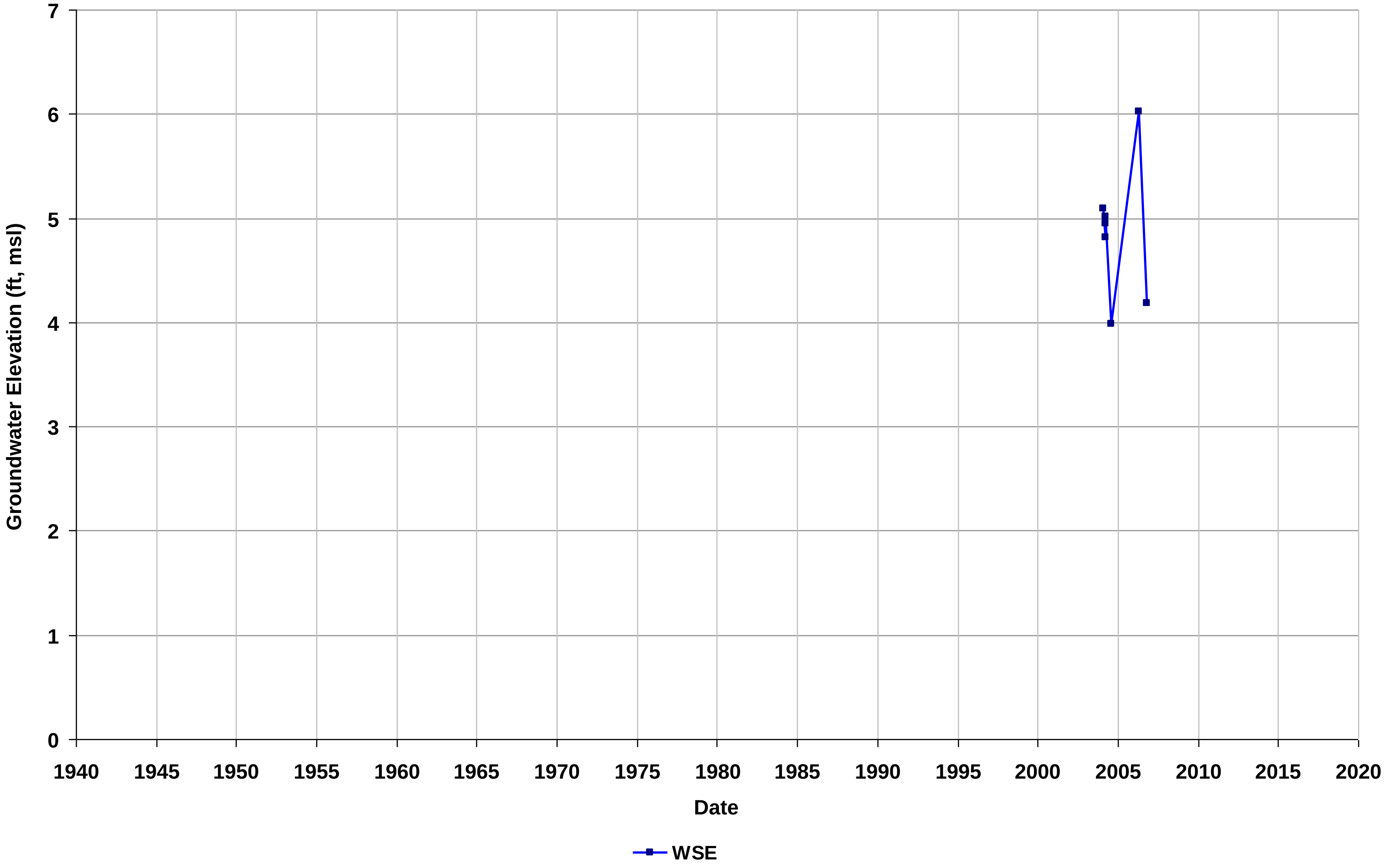
Well Name: T0600180012-MW-03
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/03
Well Use: Observation



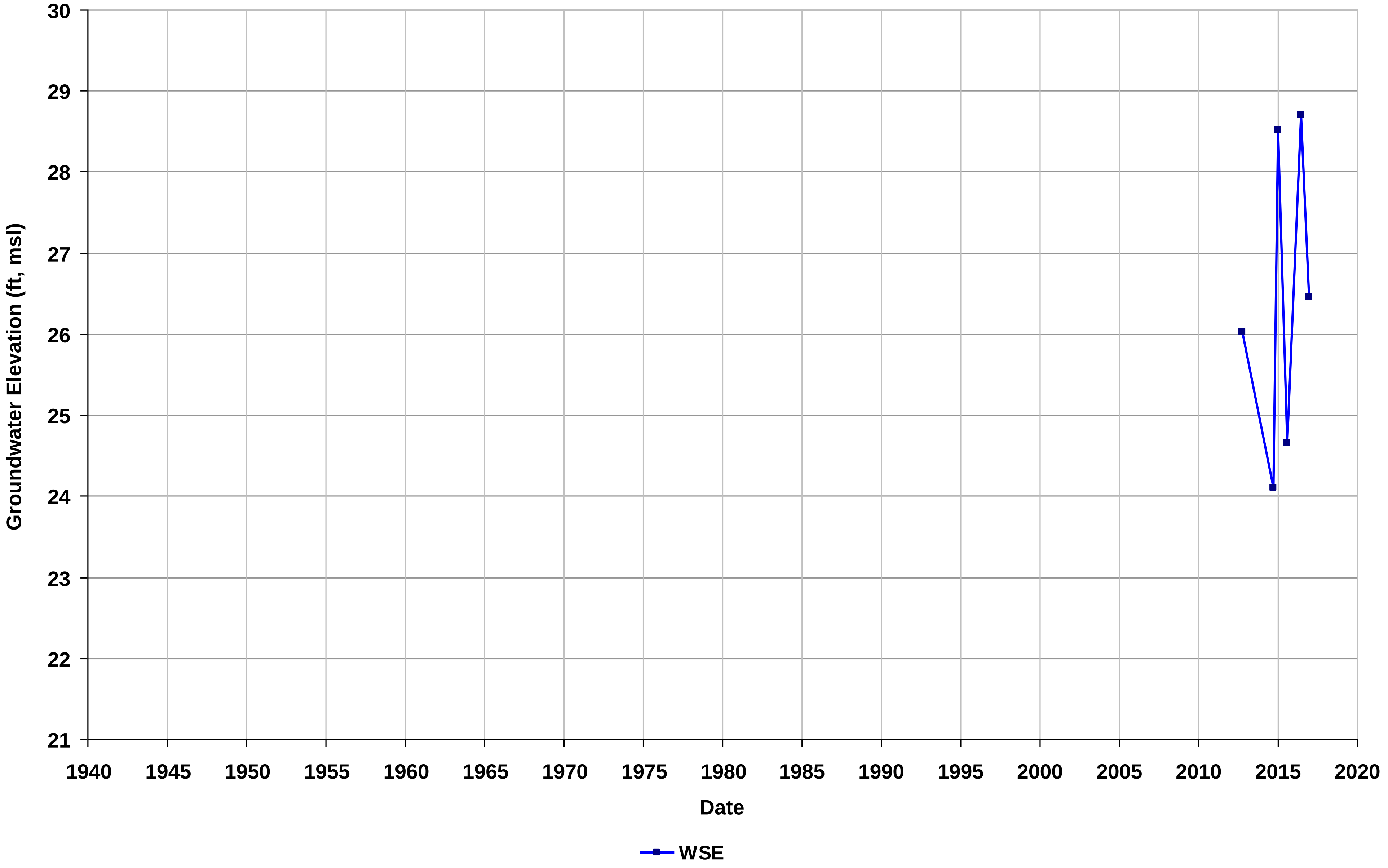
Well Name: T0600180012-MW-04
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/03
Well Use: Observation



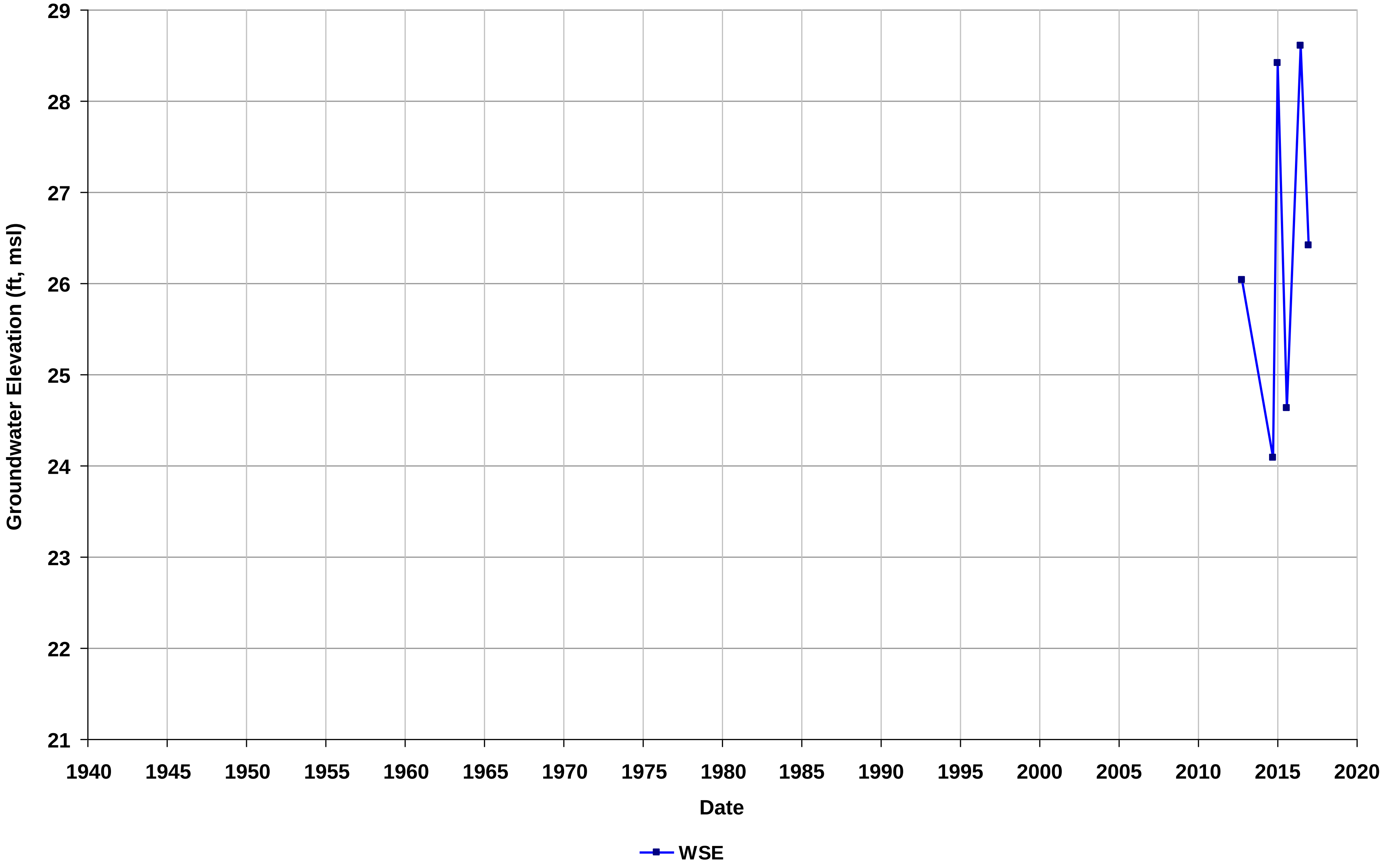
Well Name: T0600187562-EX-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/35
Well Use: Observation



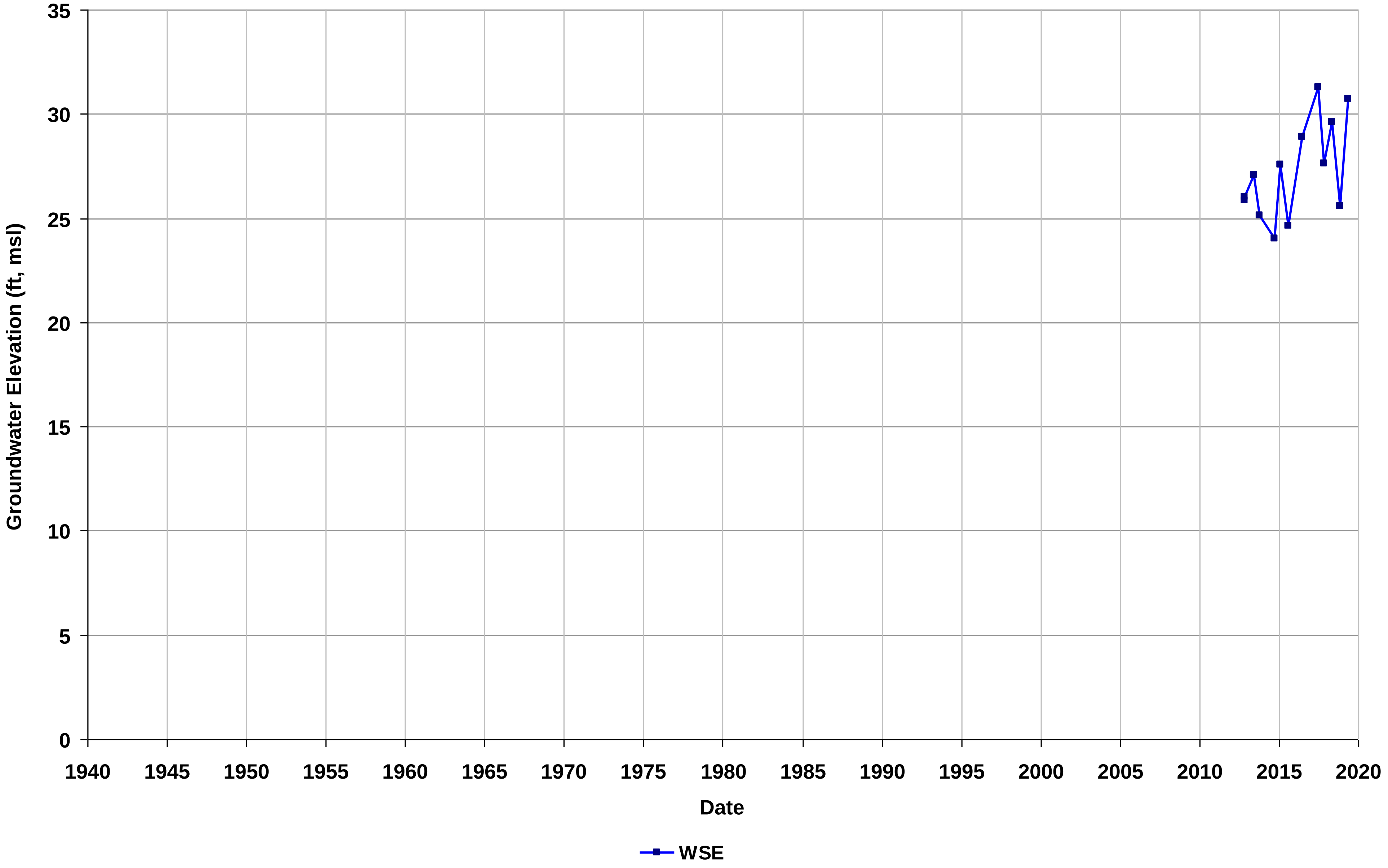
Well Name: T0600187562-EX-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/35
Well Use: Observation



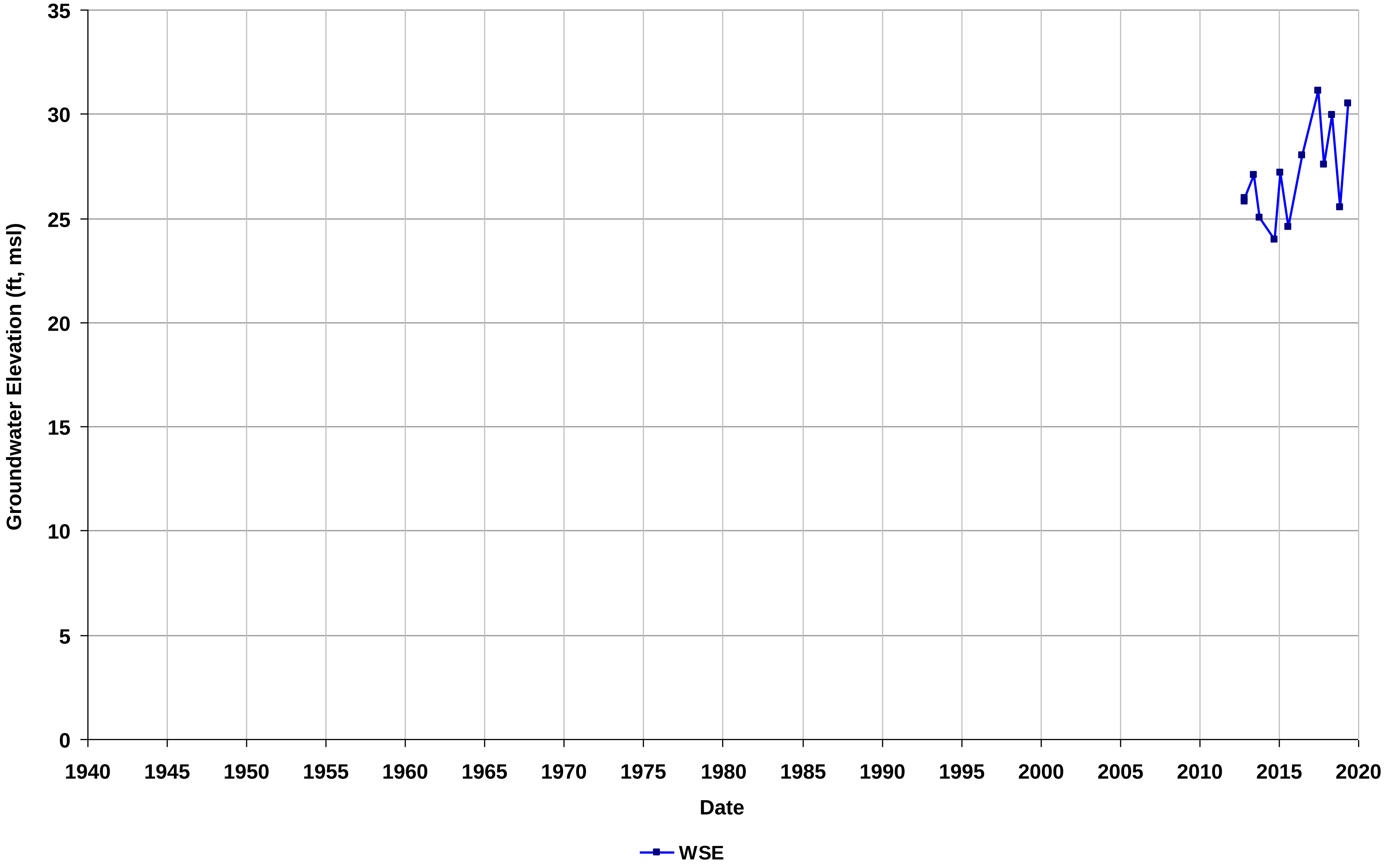
Well Name: T0600187562-MW-12
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/35
Well Use: Observation



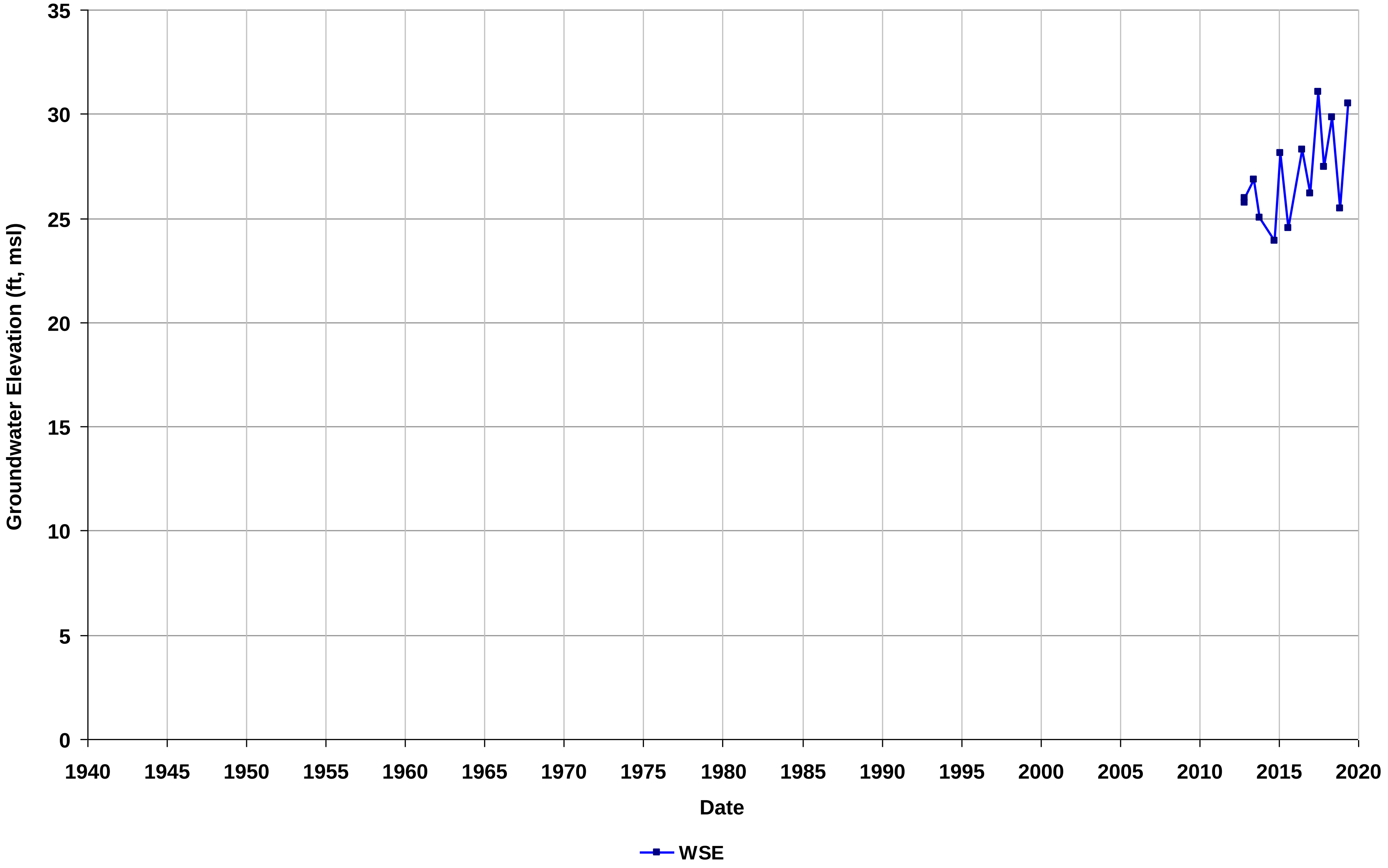
Well Name: T0600187562-MW-13
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/35
Well Use: Observation



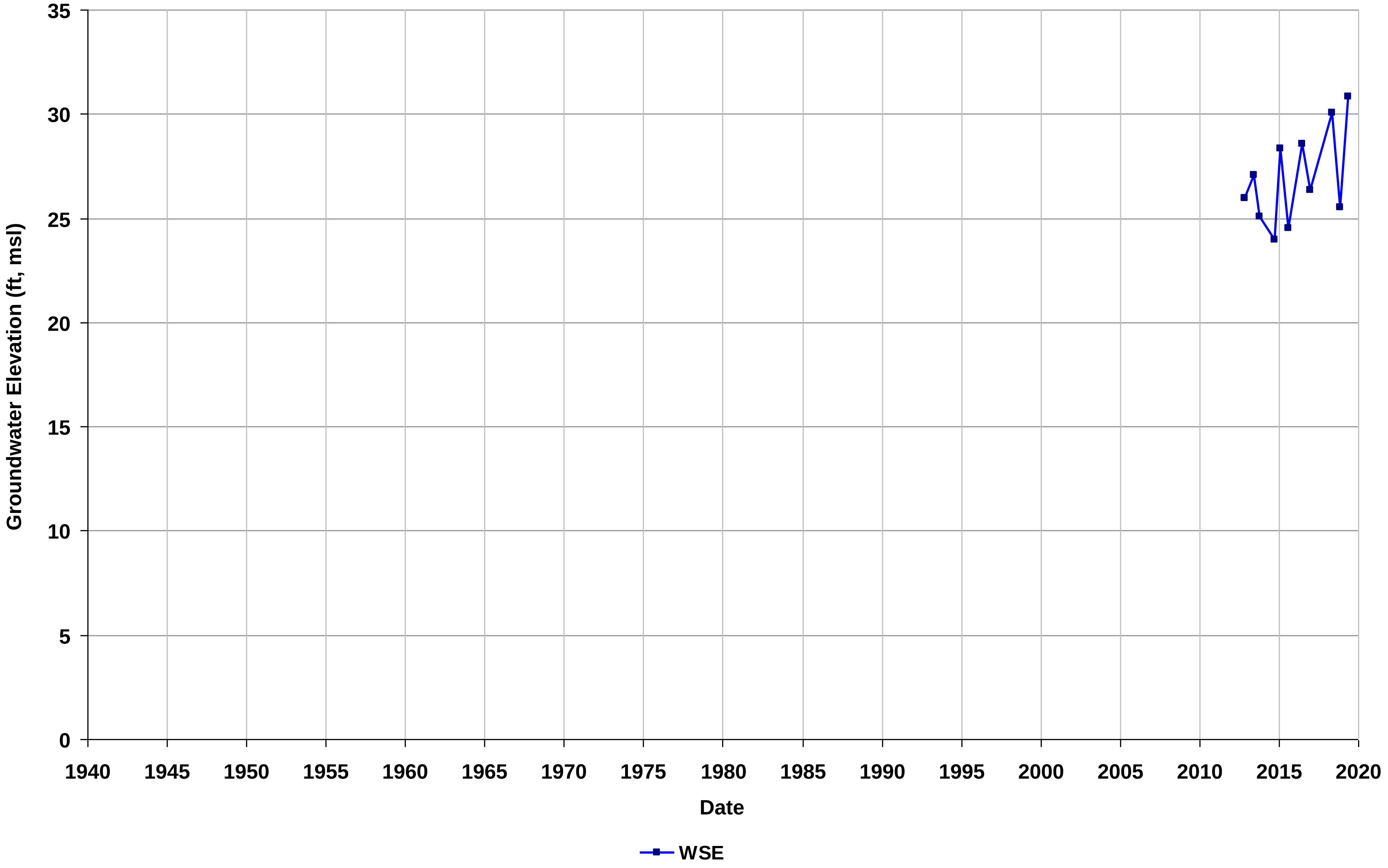
Well Name: T0600187562-MW-14
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/35
Well Use: Observation



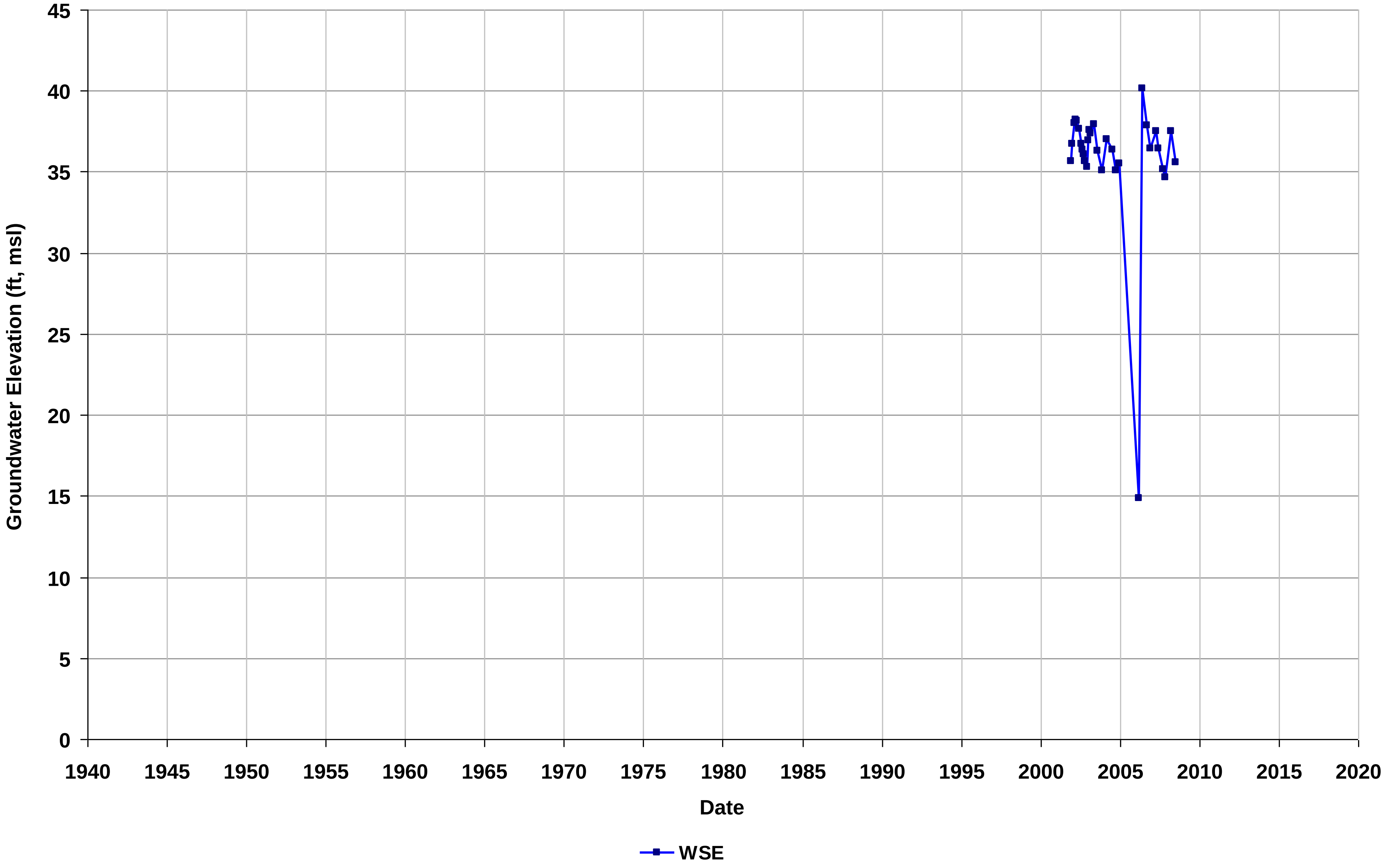
Well Name: T0600187562-MW-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/35
Well Use: Observation



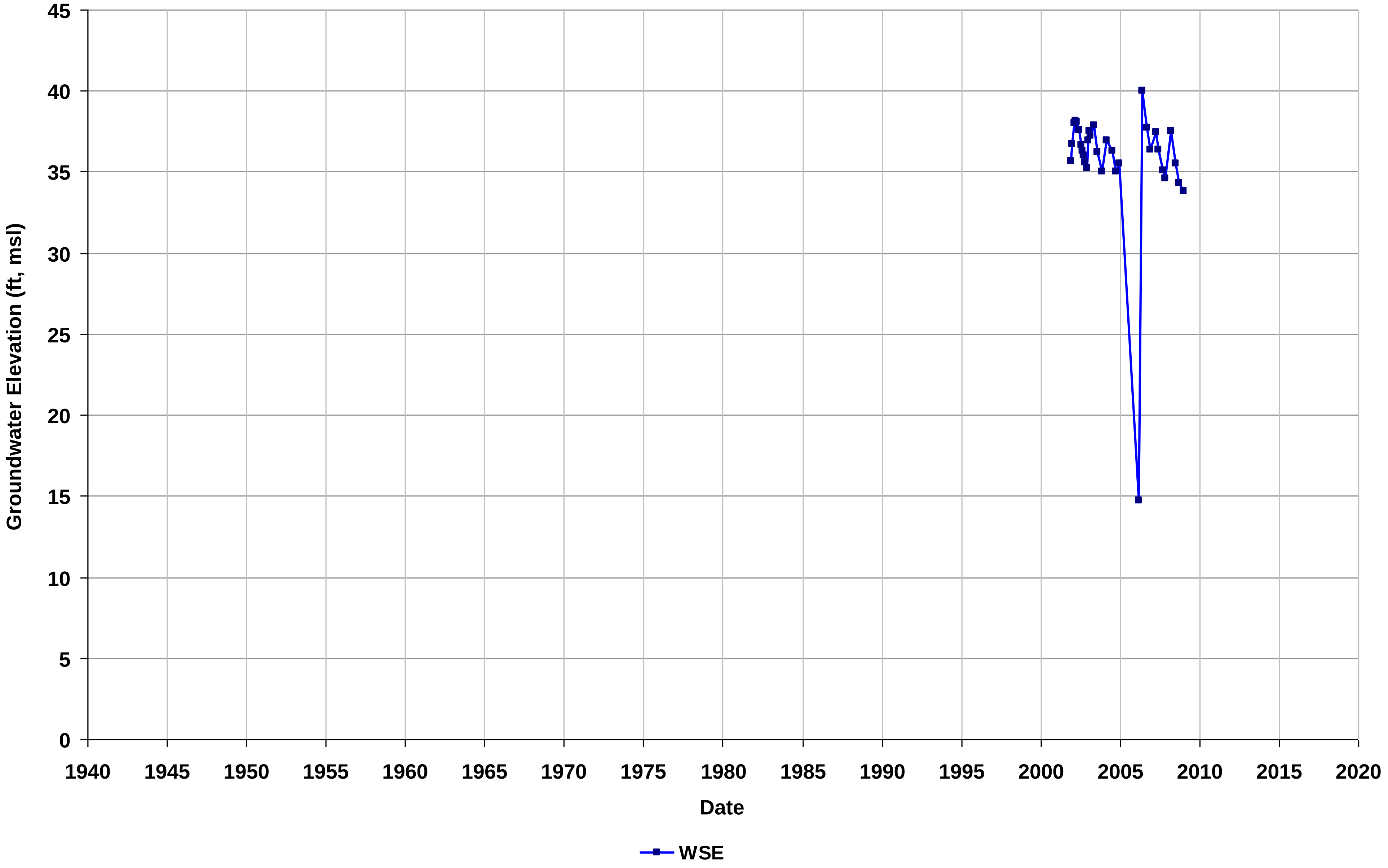
Well Name: T0600191154-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/27
Well Use: Observation



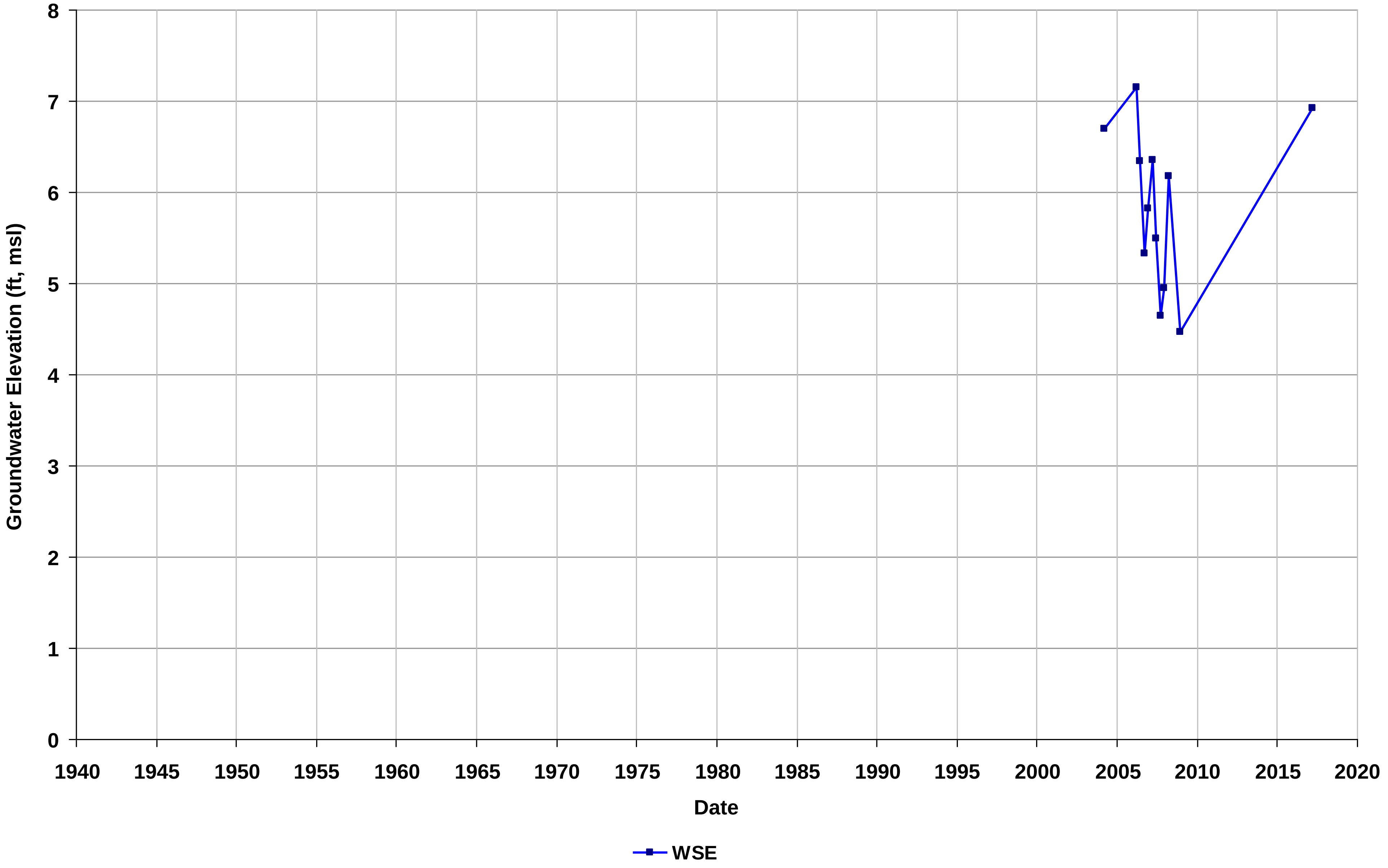
Well Name: T0600191154-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/27
Well Use: Observation



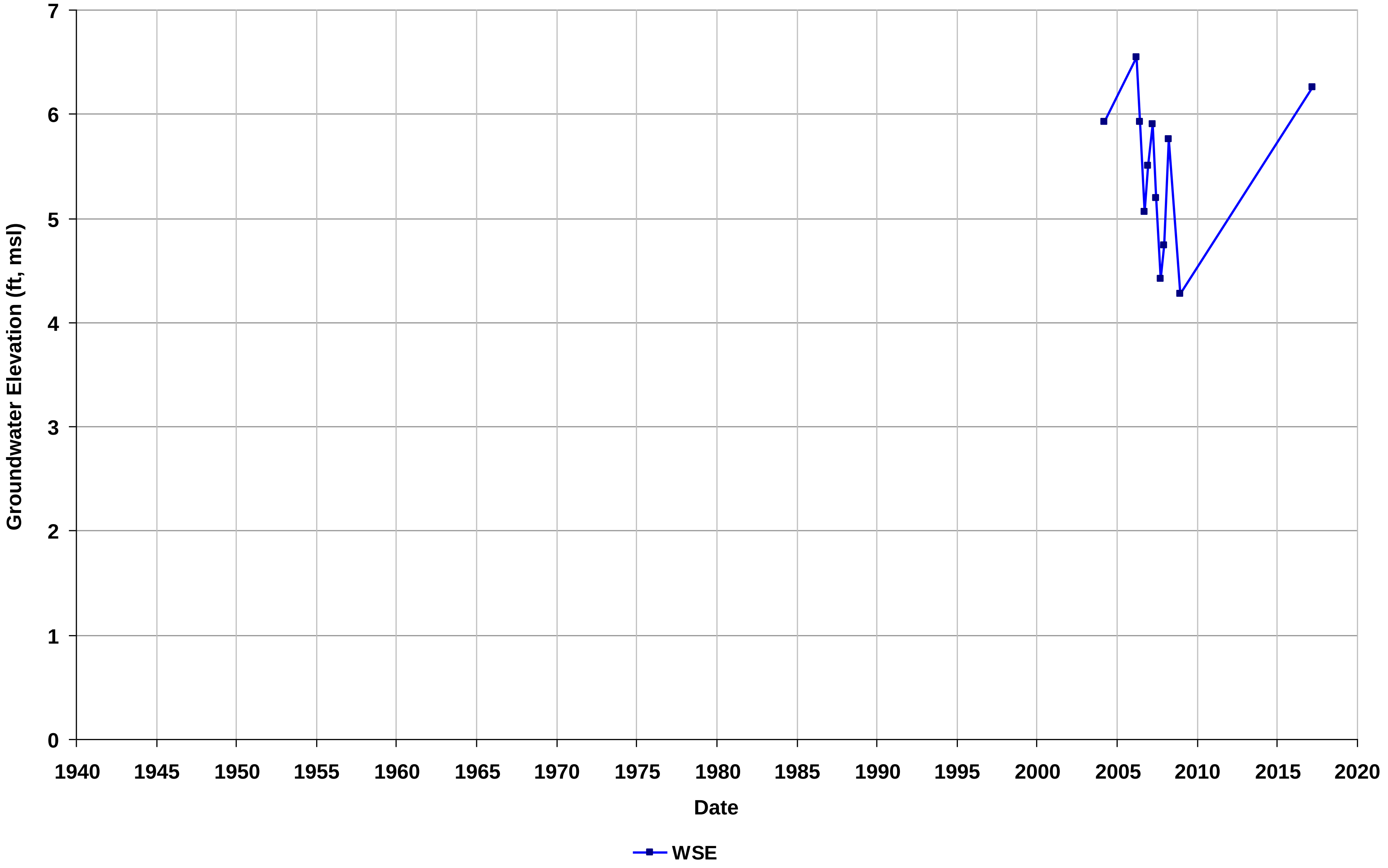
Well Name: T0600191668-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/27
Well Use: Observation



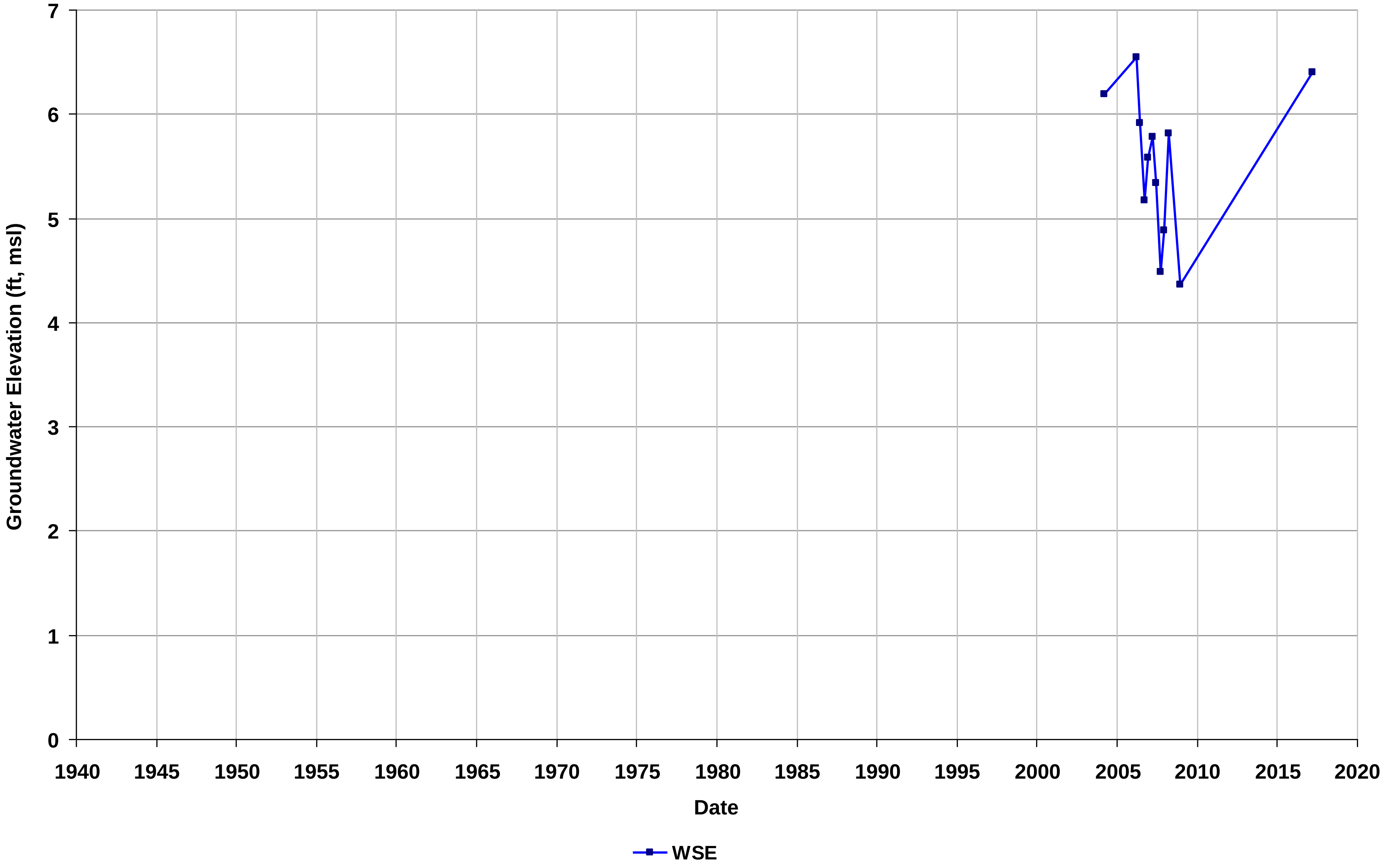
Well Name: T0600191668-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/27
Well Use: Observation



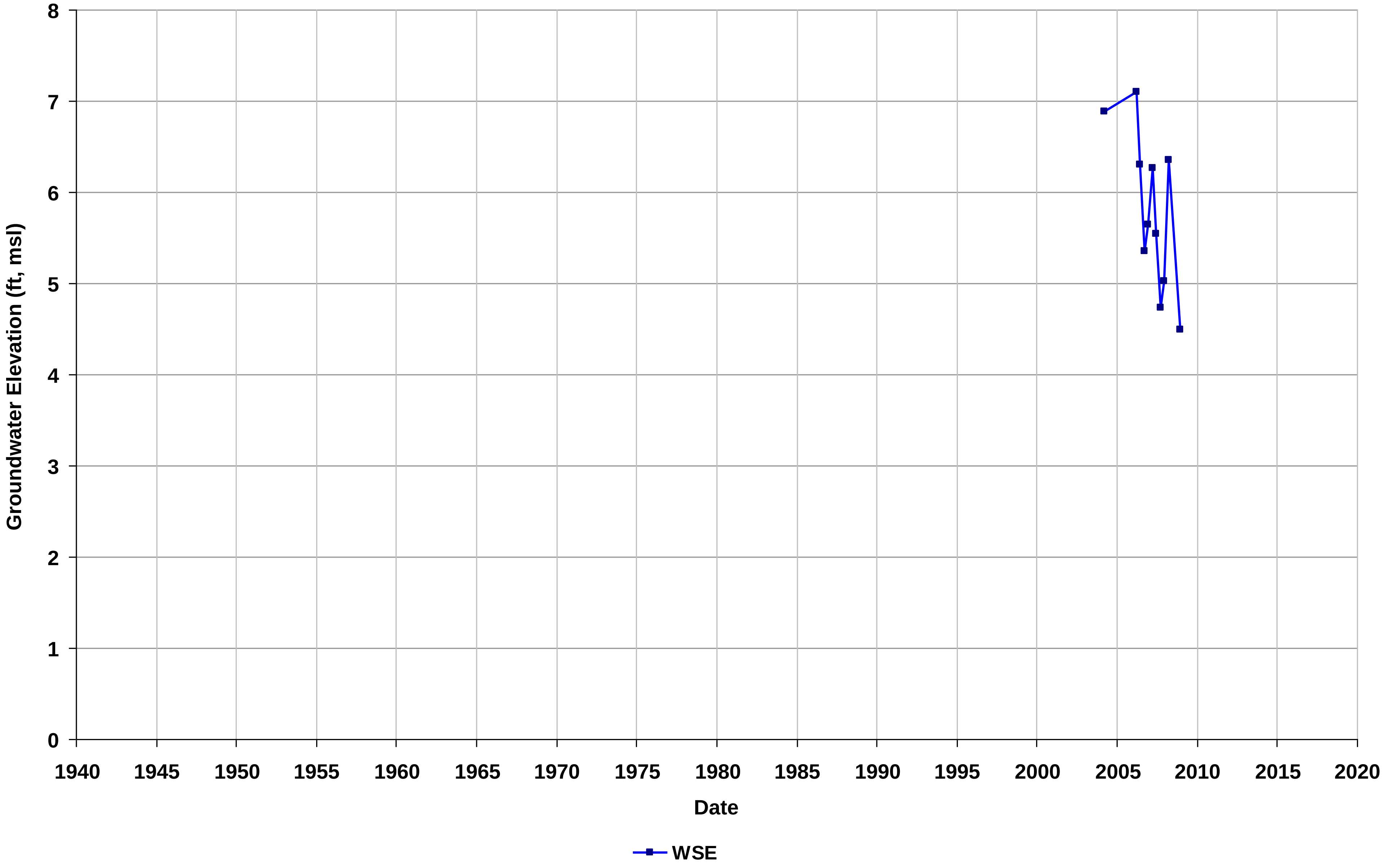
Well Name: T0600191668-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/27
Well Use: Observation



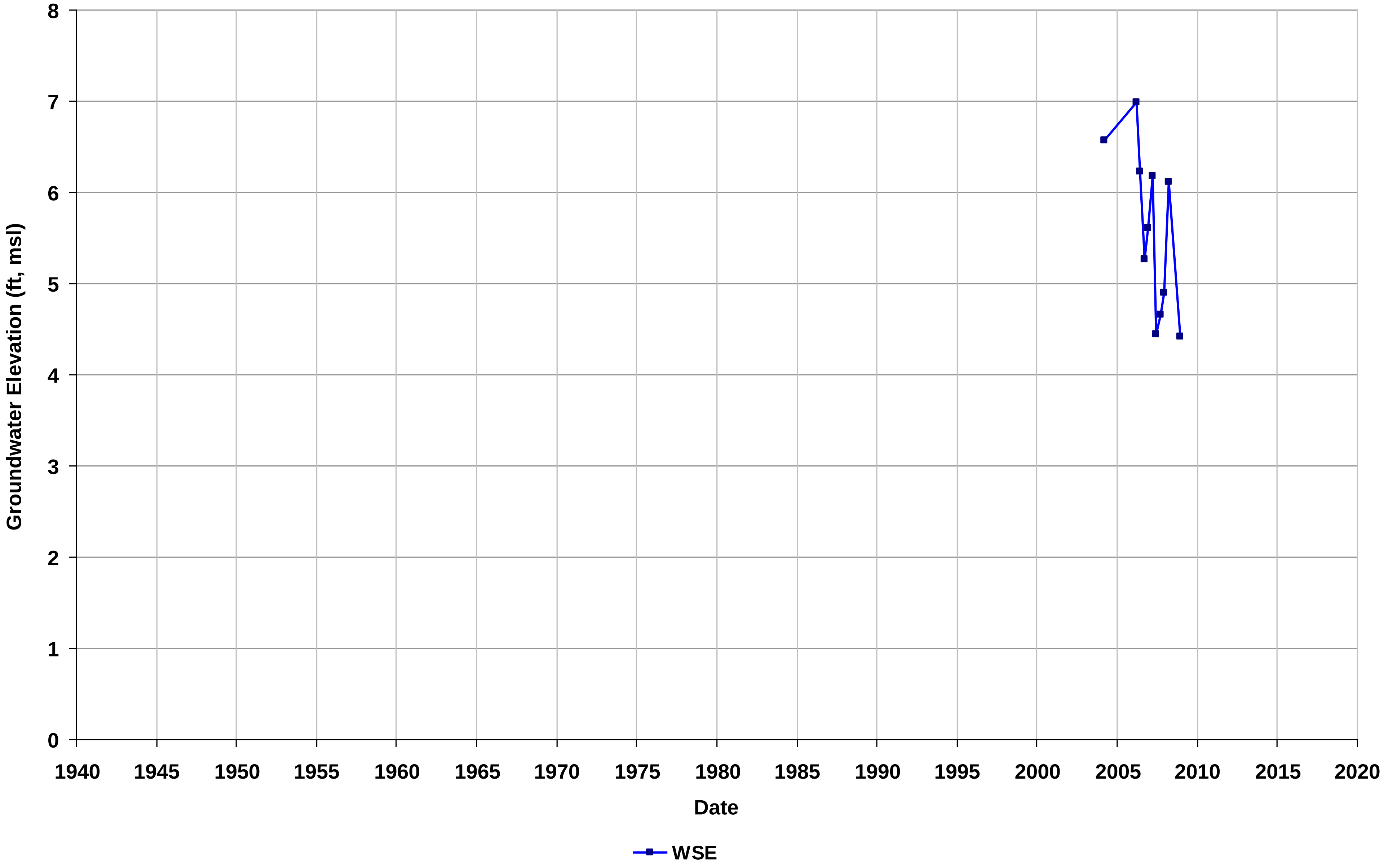
Well Name: T0600191668-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/27
Well Use: Observation



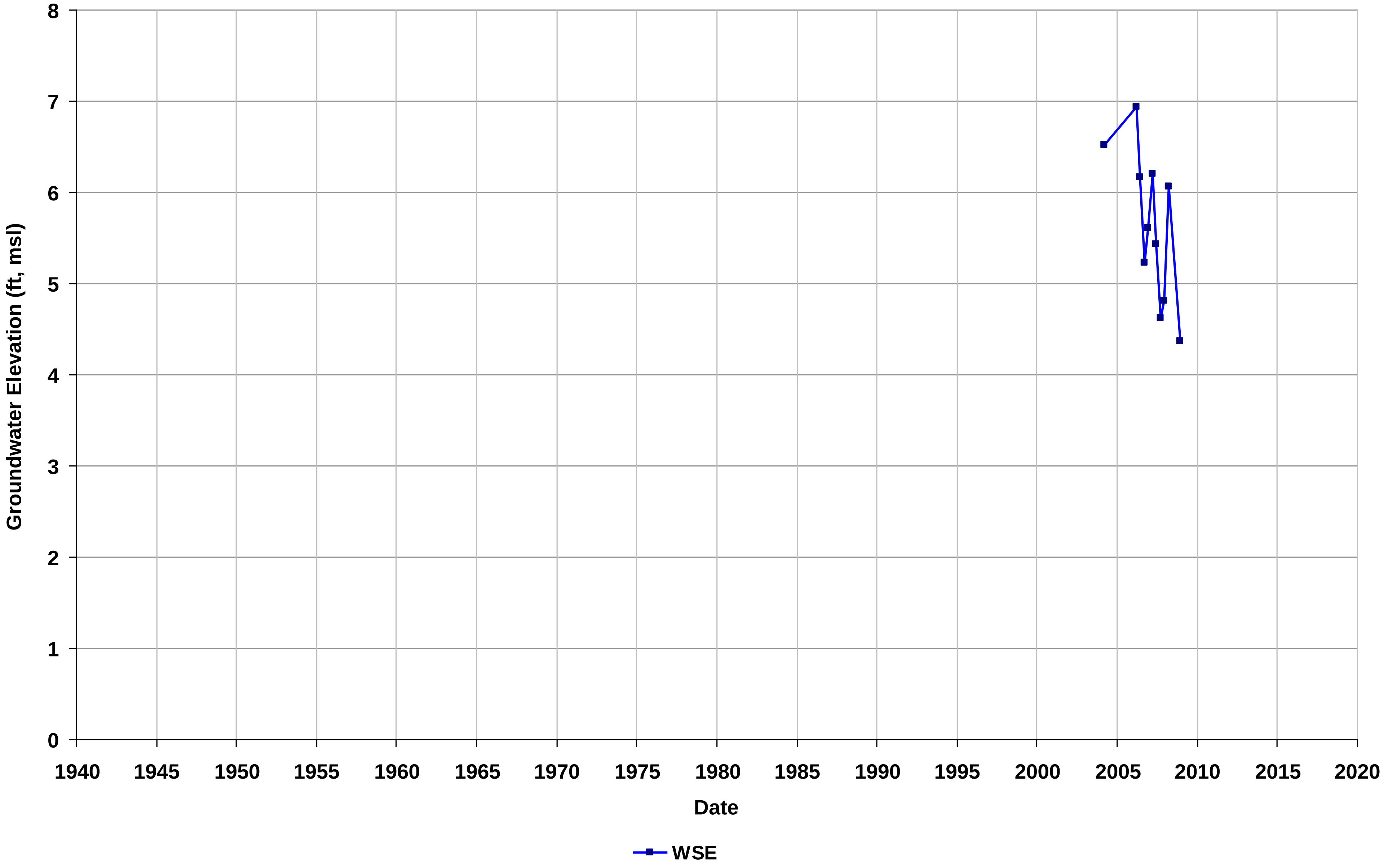
Well Name: T0600191668-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/27
Well Use: Observation



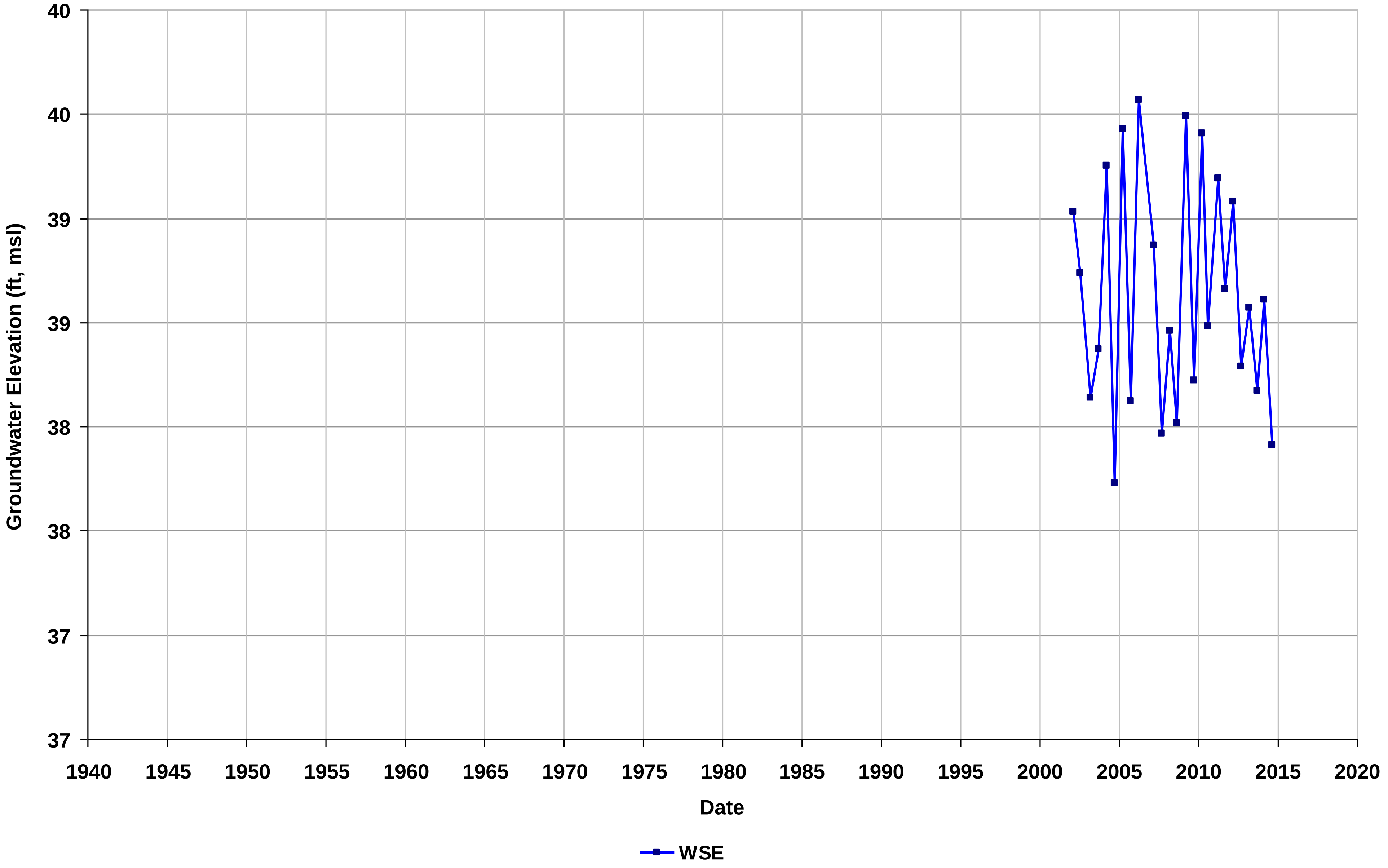
Well Name: T0600191668-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/27
Well Use: Observation



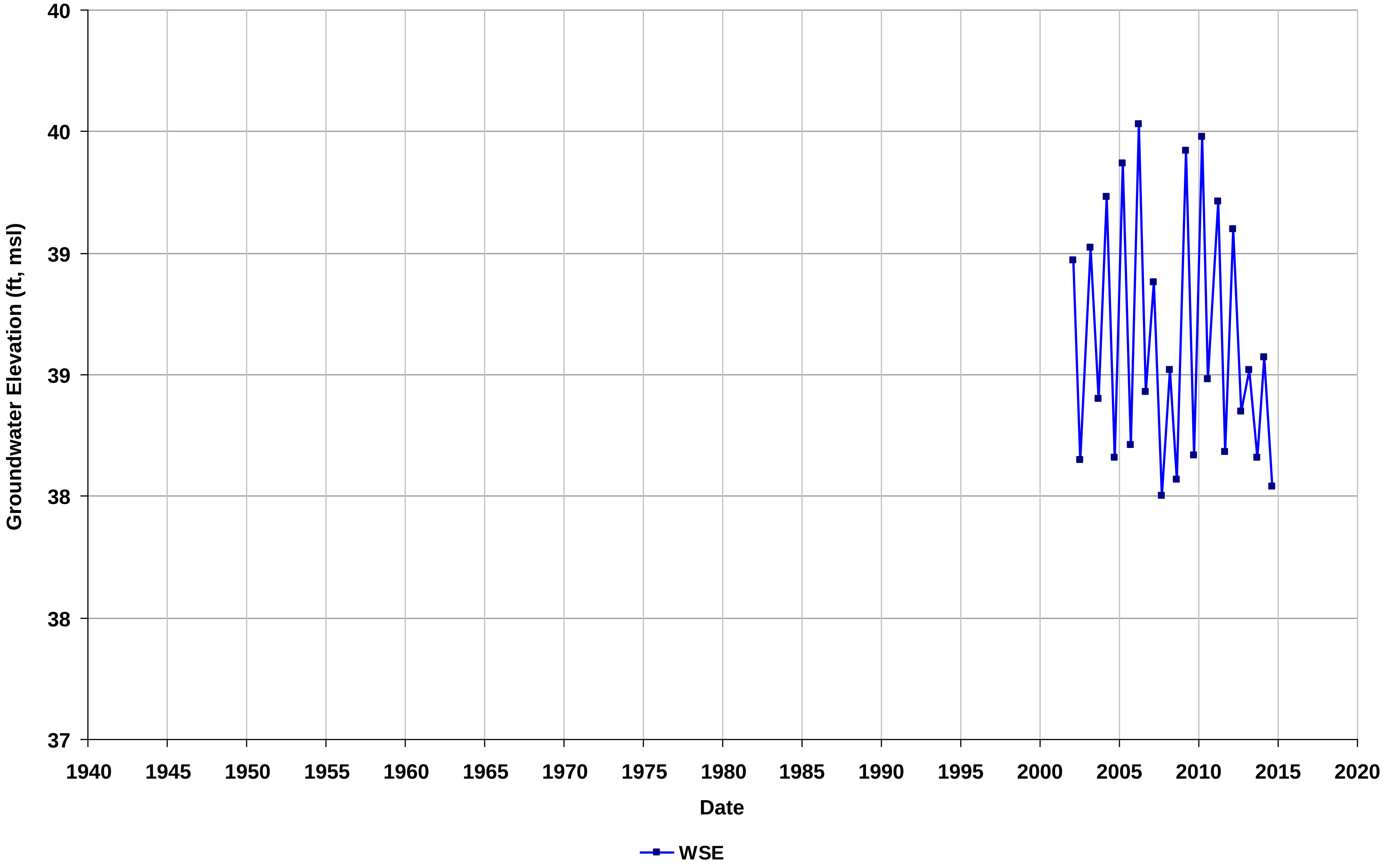
Well Name: T0601300002-GWE-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



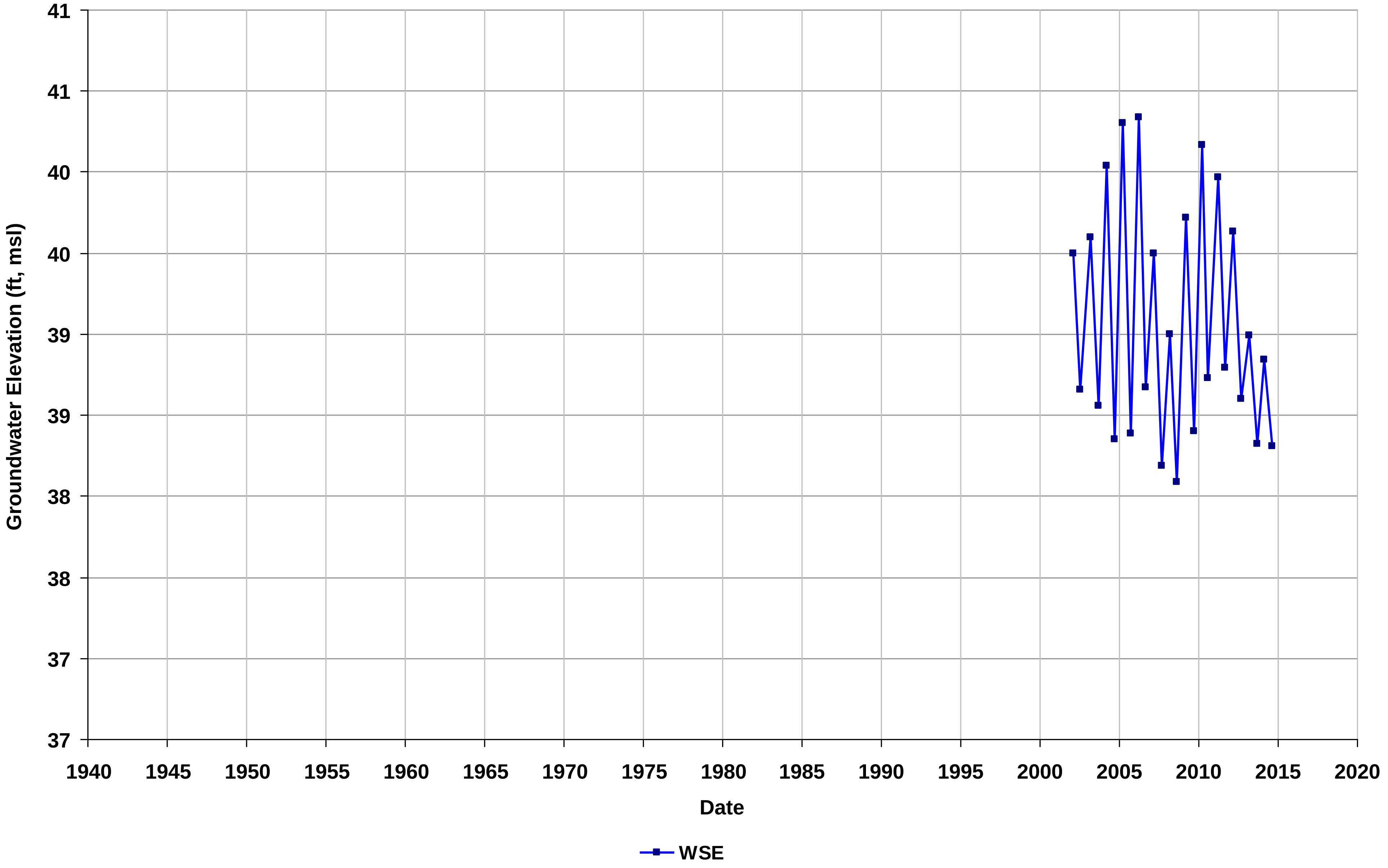
Well Name: T0601300002-GWE-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



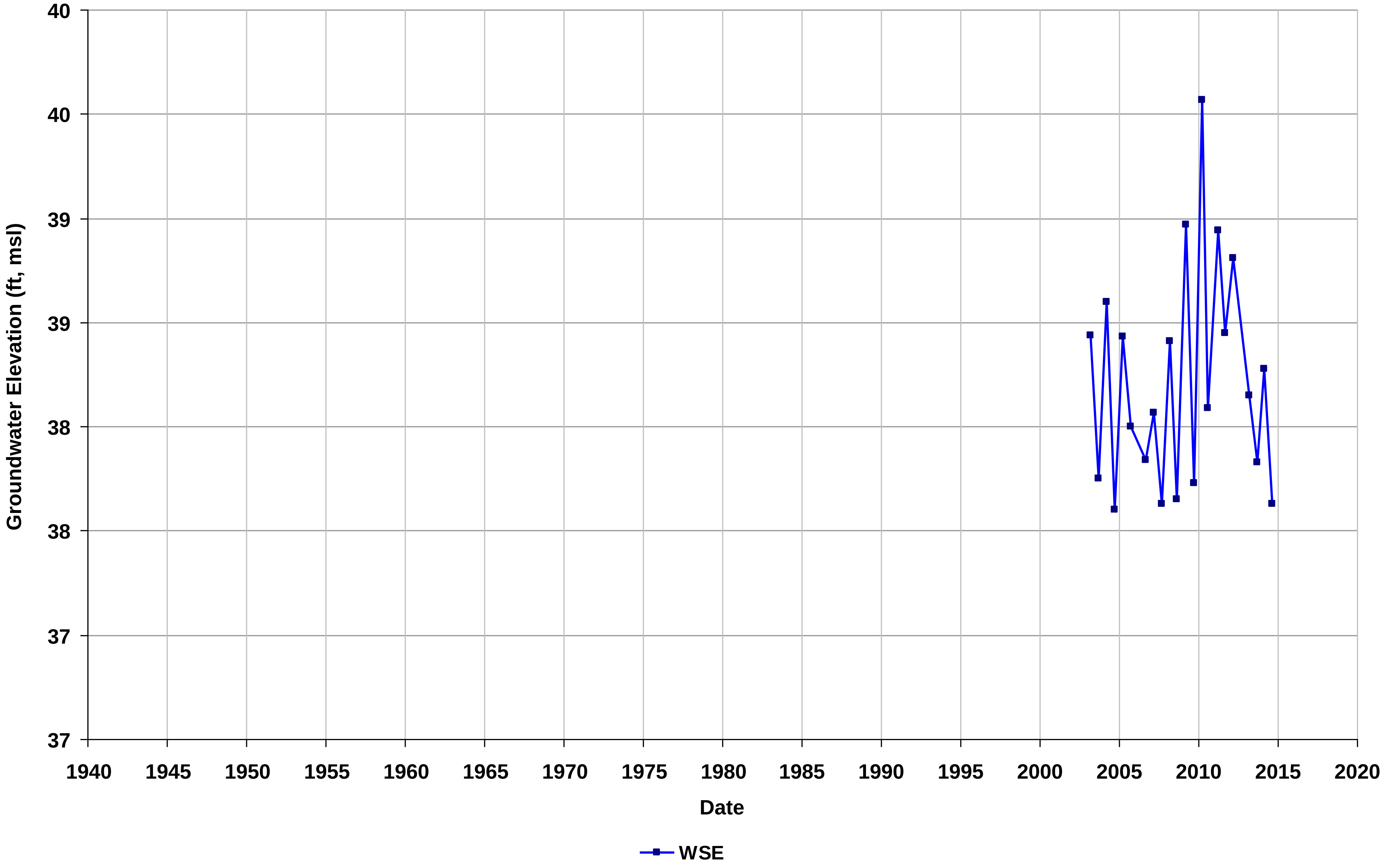
Well Name: T0601300002-IMW-01
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



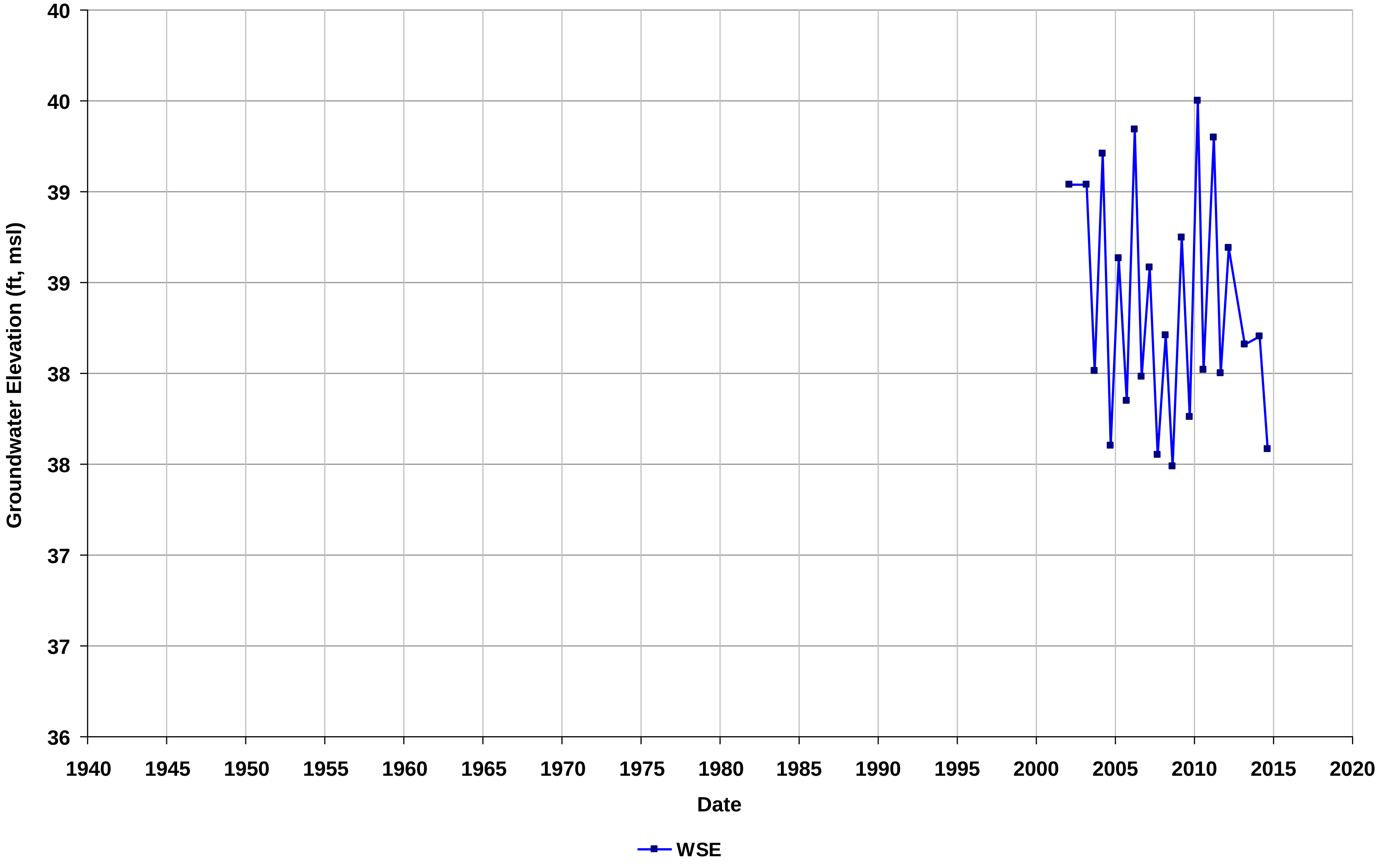
Well Name: T0601300002-MW-10
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



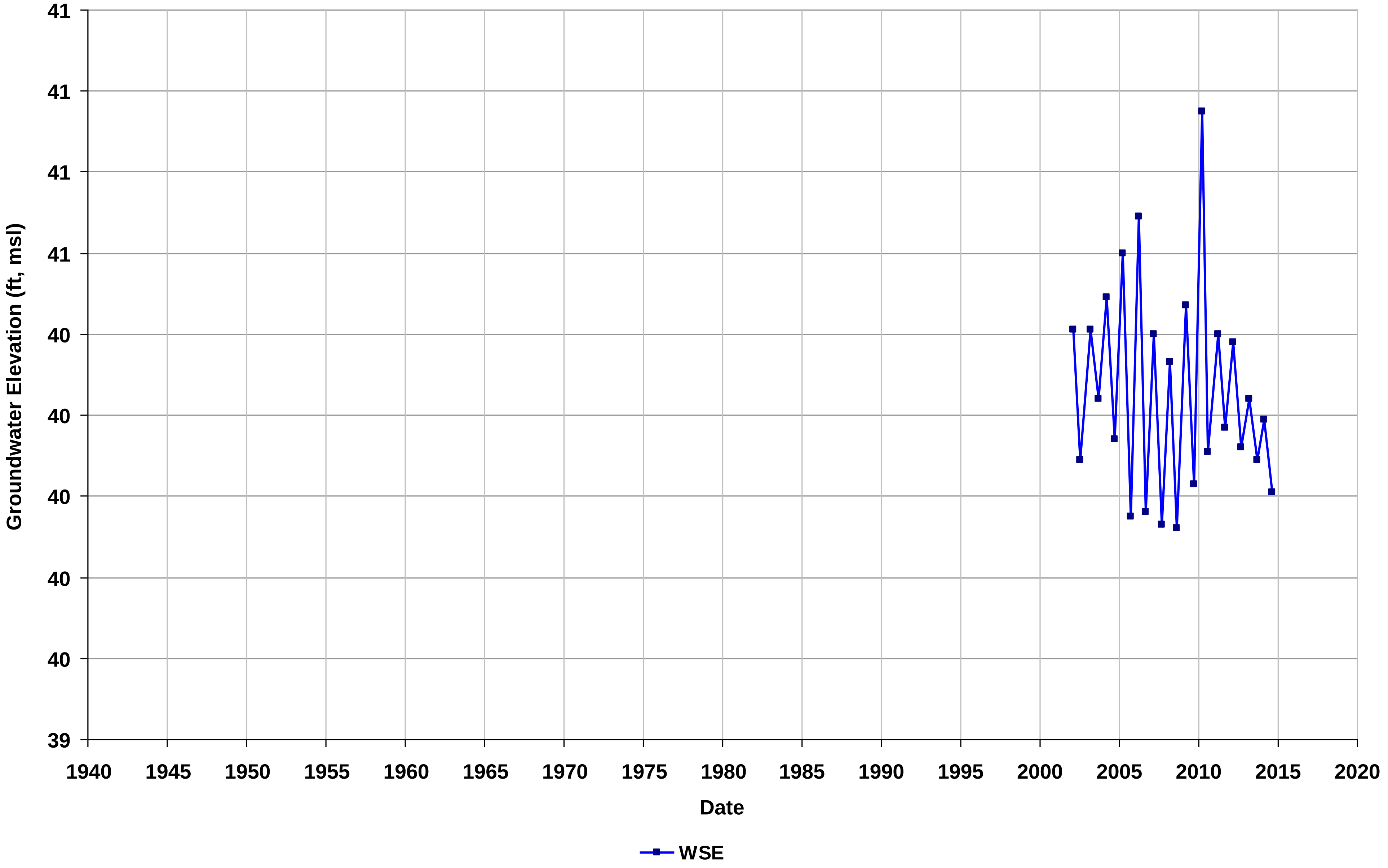
Well Name: T0601300002-MW-11
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



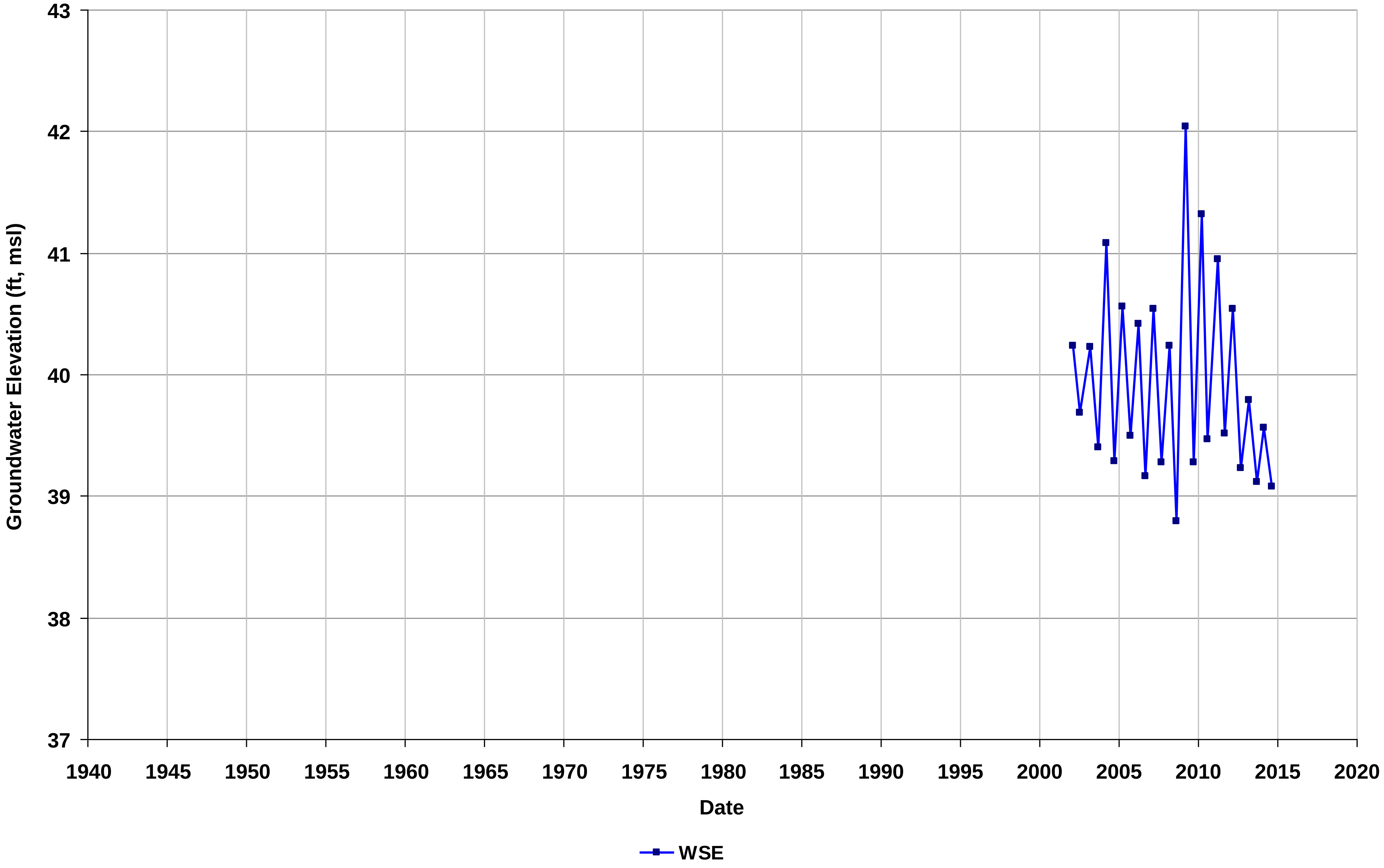
Well Name: T0601300002-MW-12
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



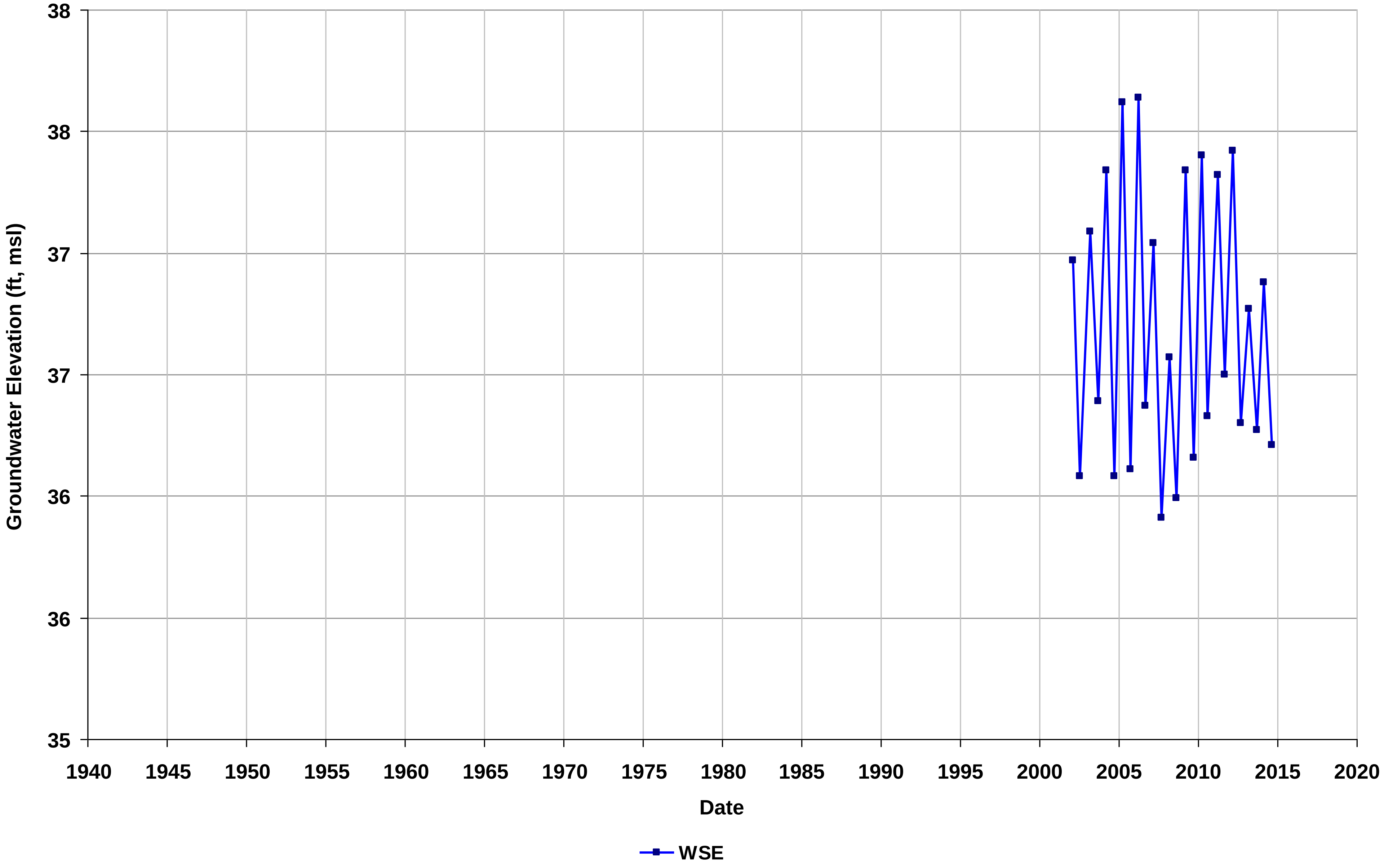
Well Name: T0601300002-MW-13
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



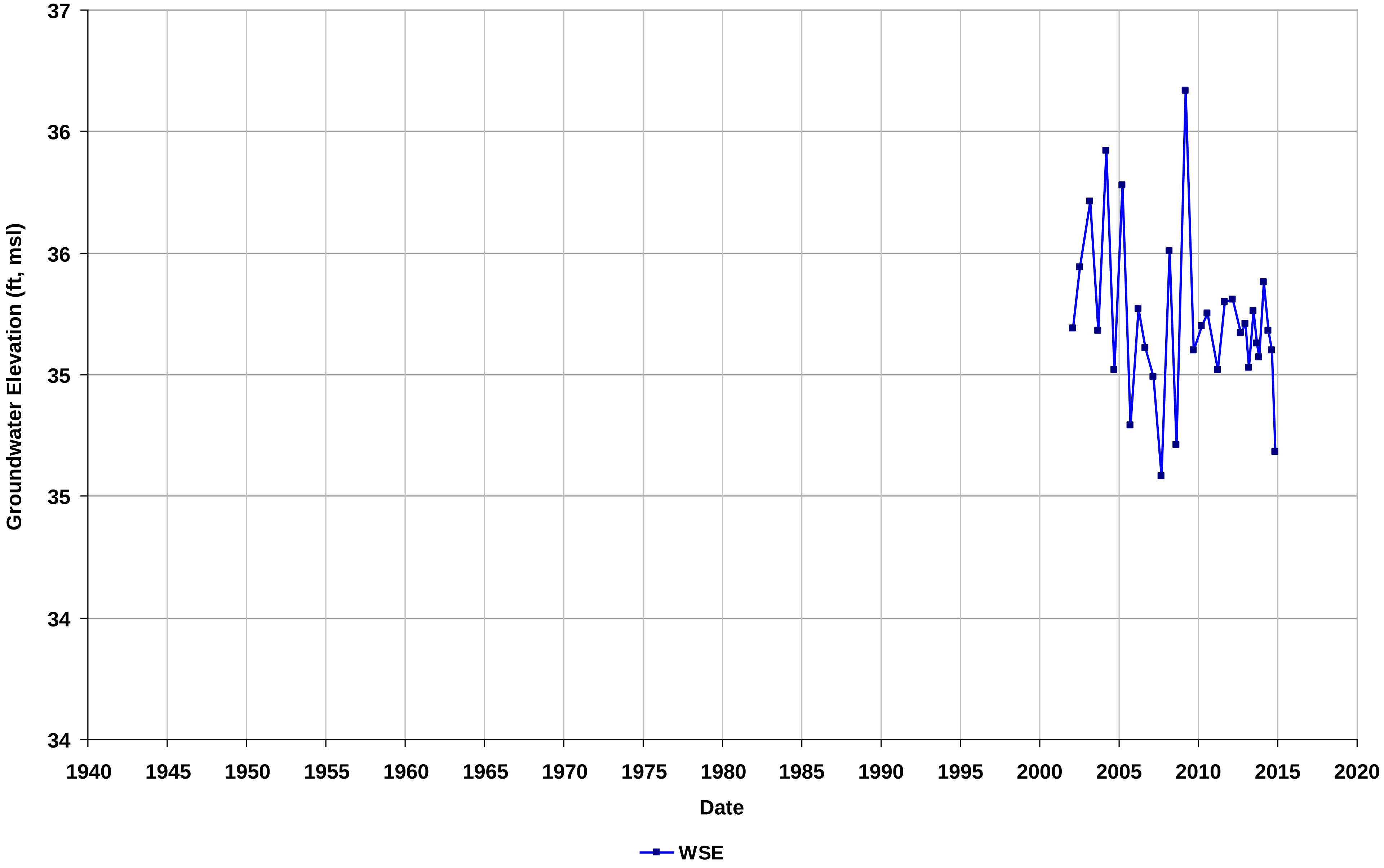
Well Name: T0601300002-MW-15
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



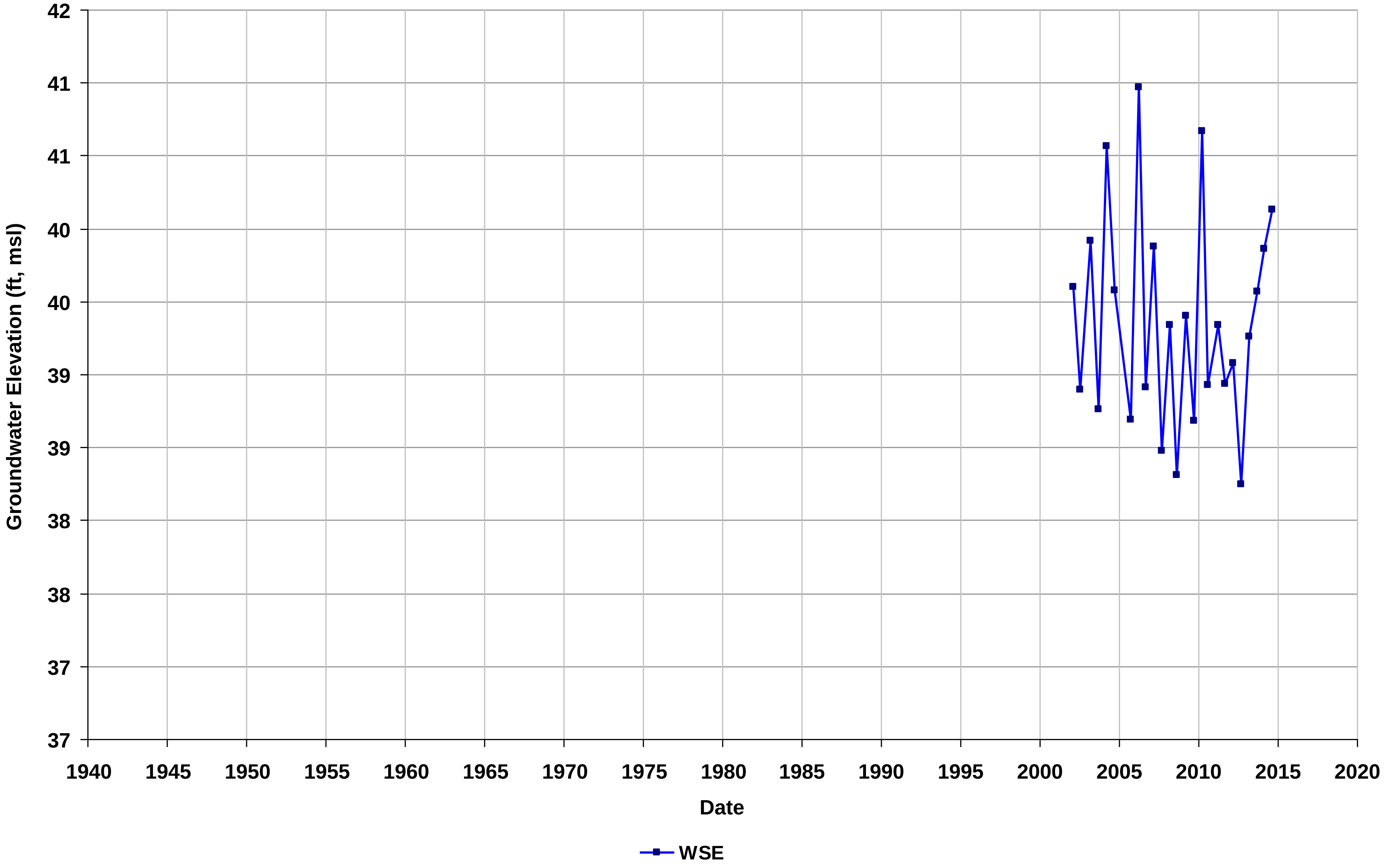
Well Name: T0601300002-MW-16
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



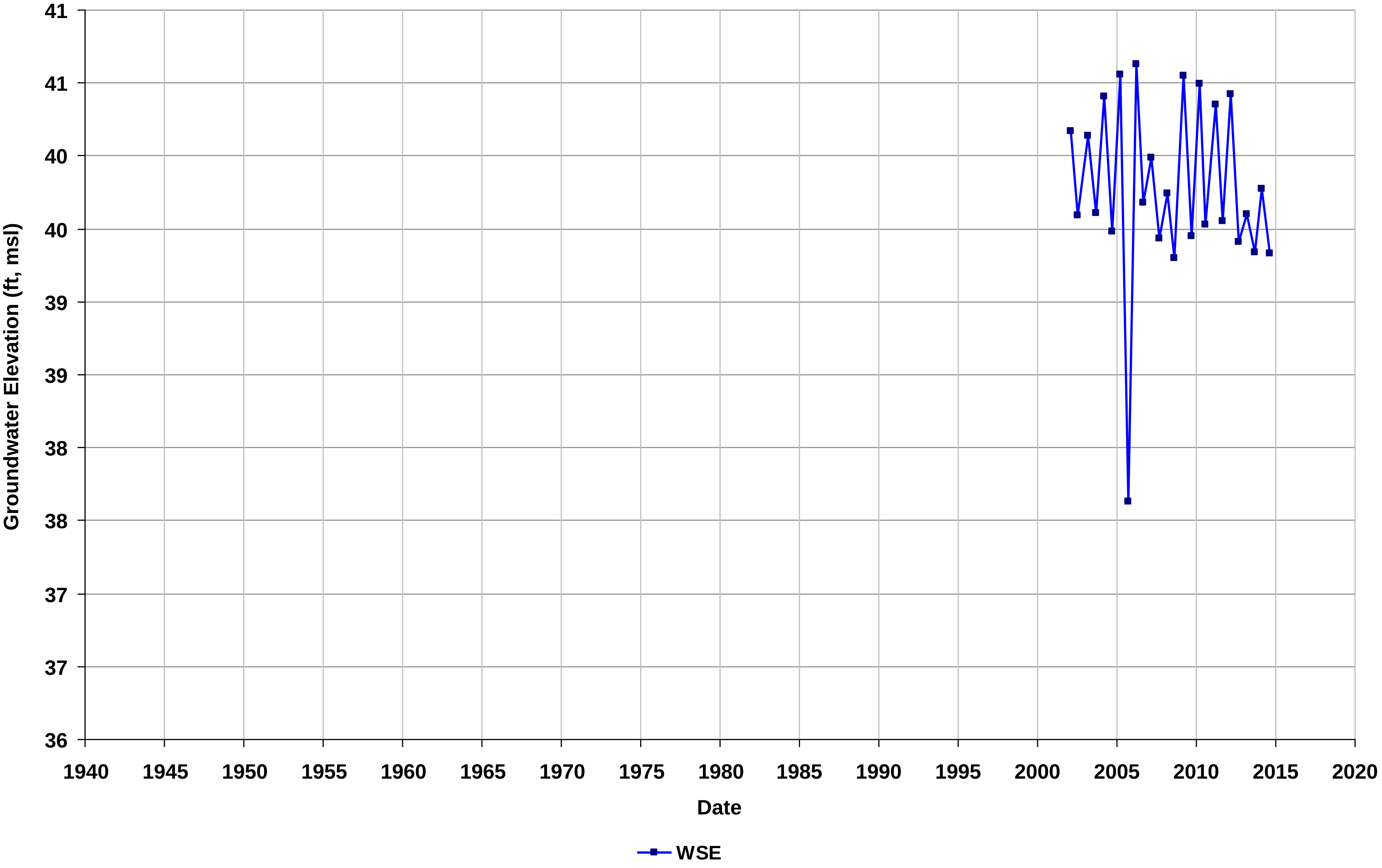
Well Name: T0601300002-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



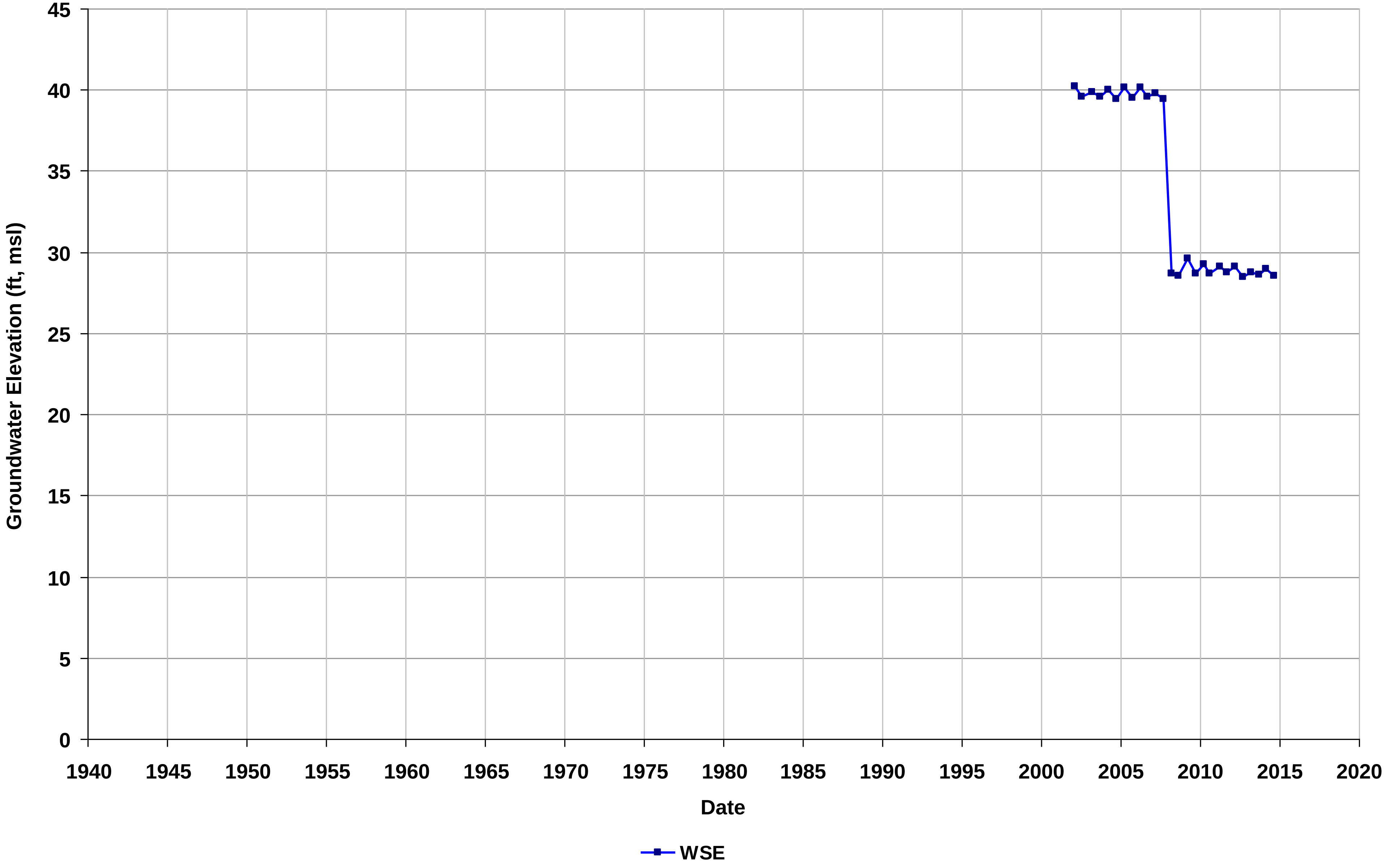
Well Name: T0601300002-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



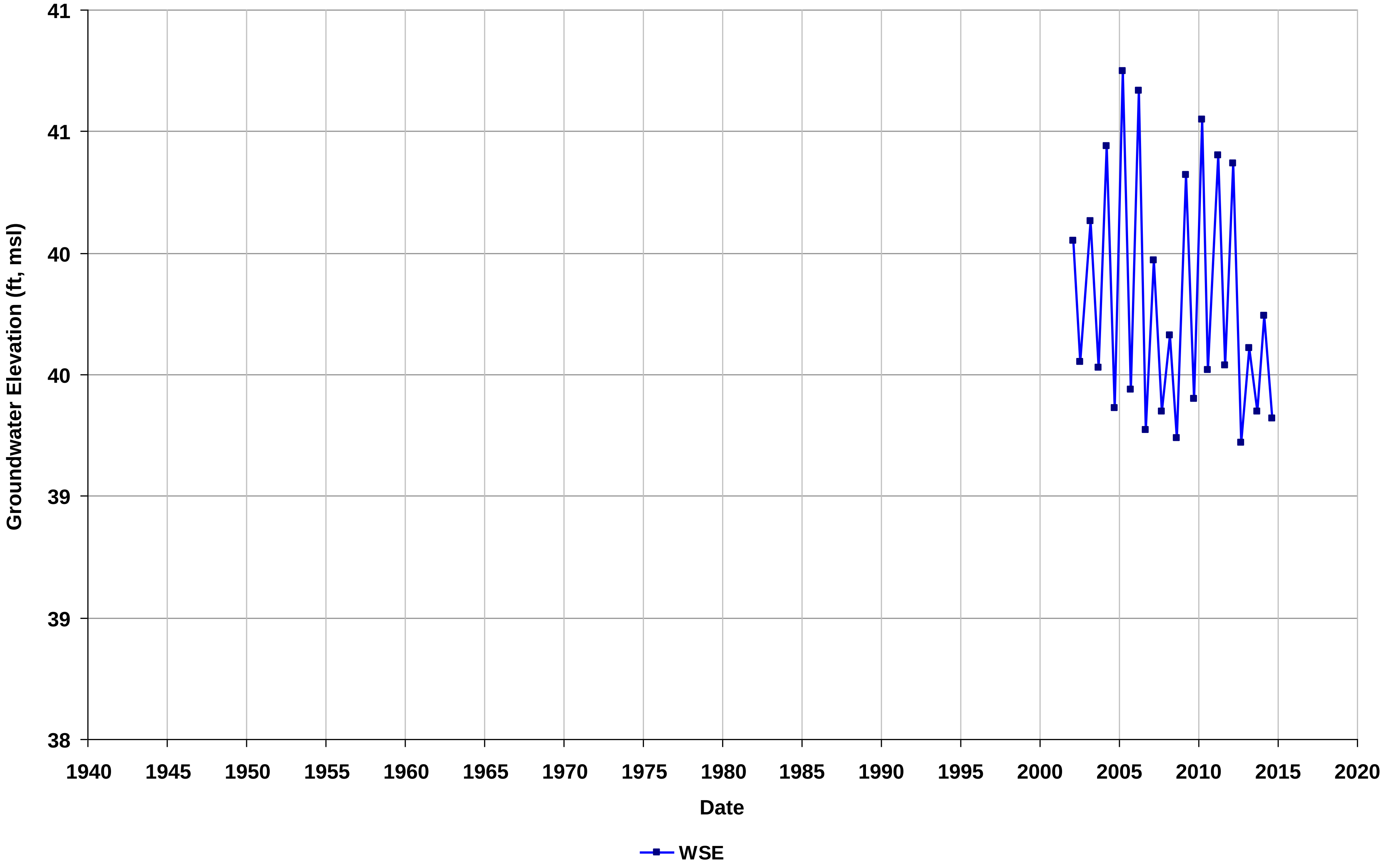
Well Name: T0601300002-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



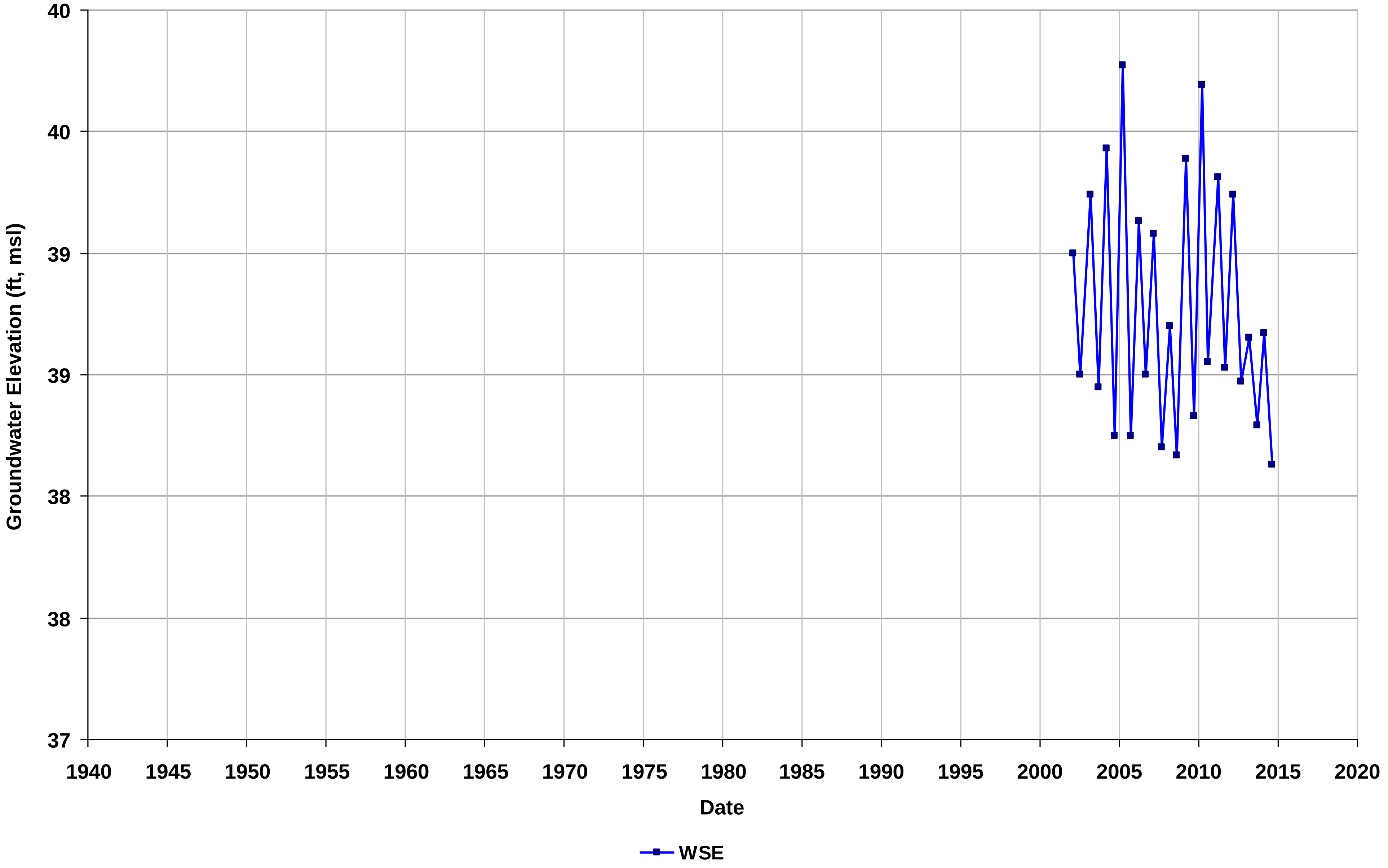
Well Name: T0601300002-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



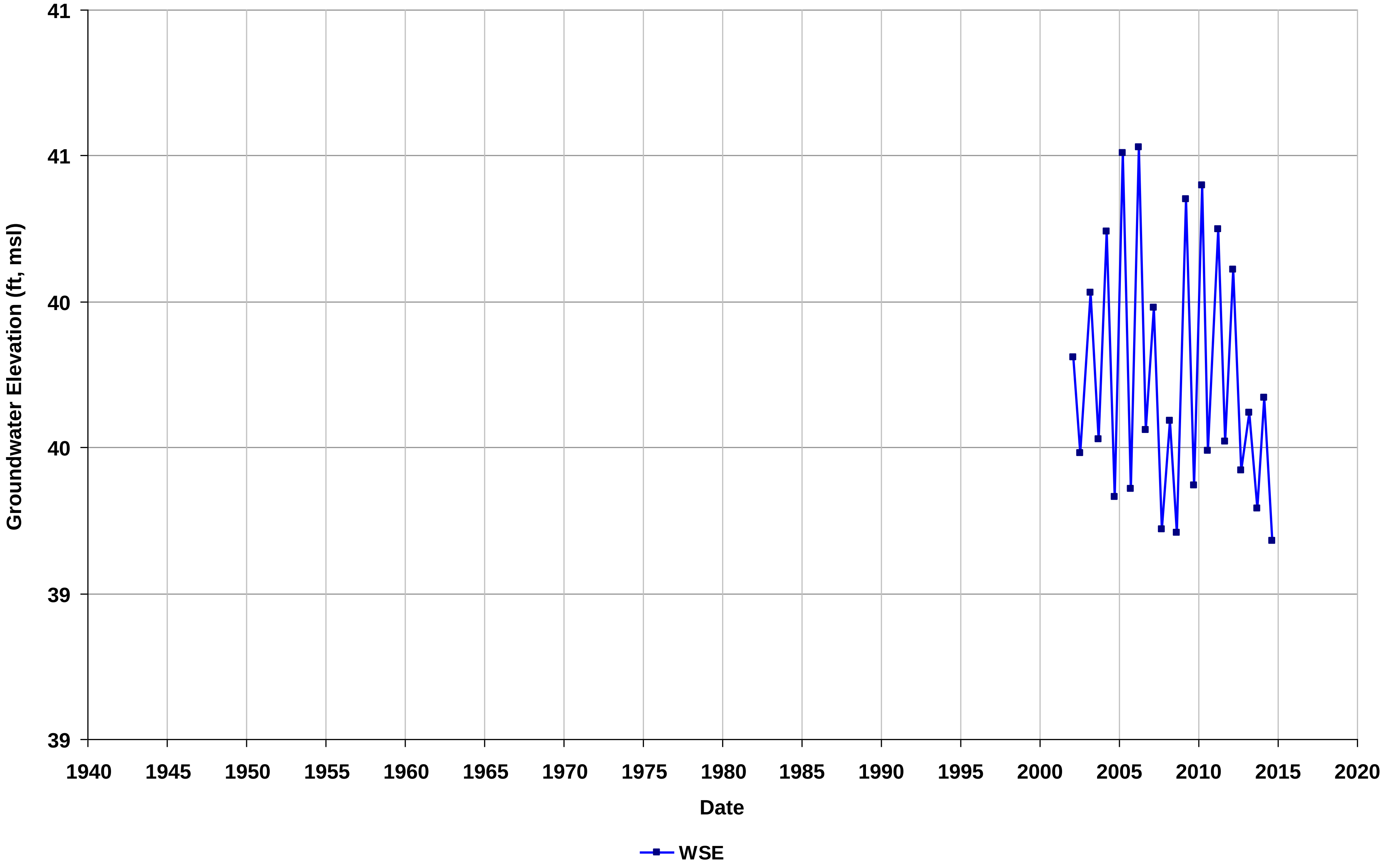
Well Name: T0601300002-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



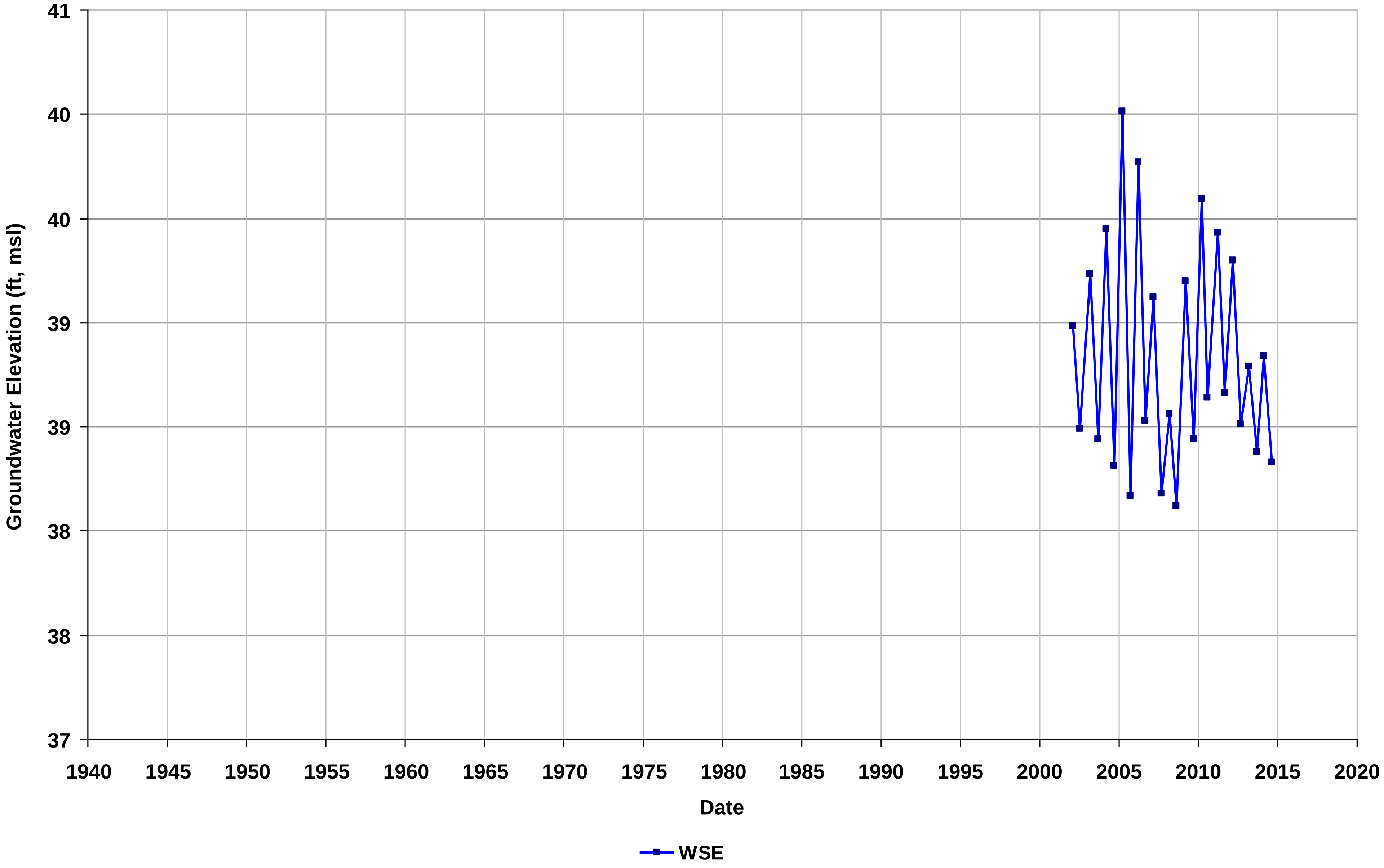
Well Name: T0601300002-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



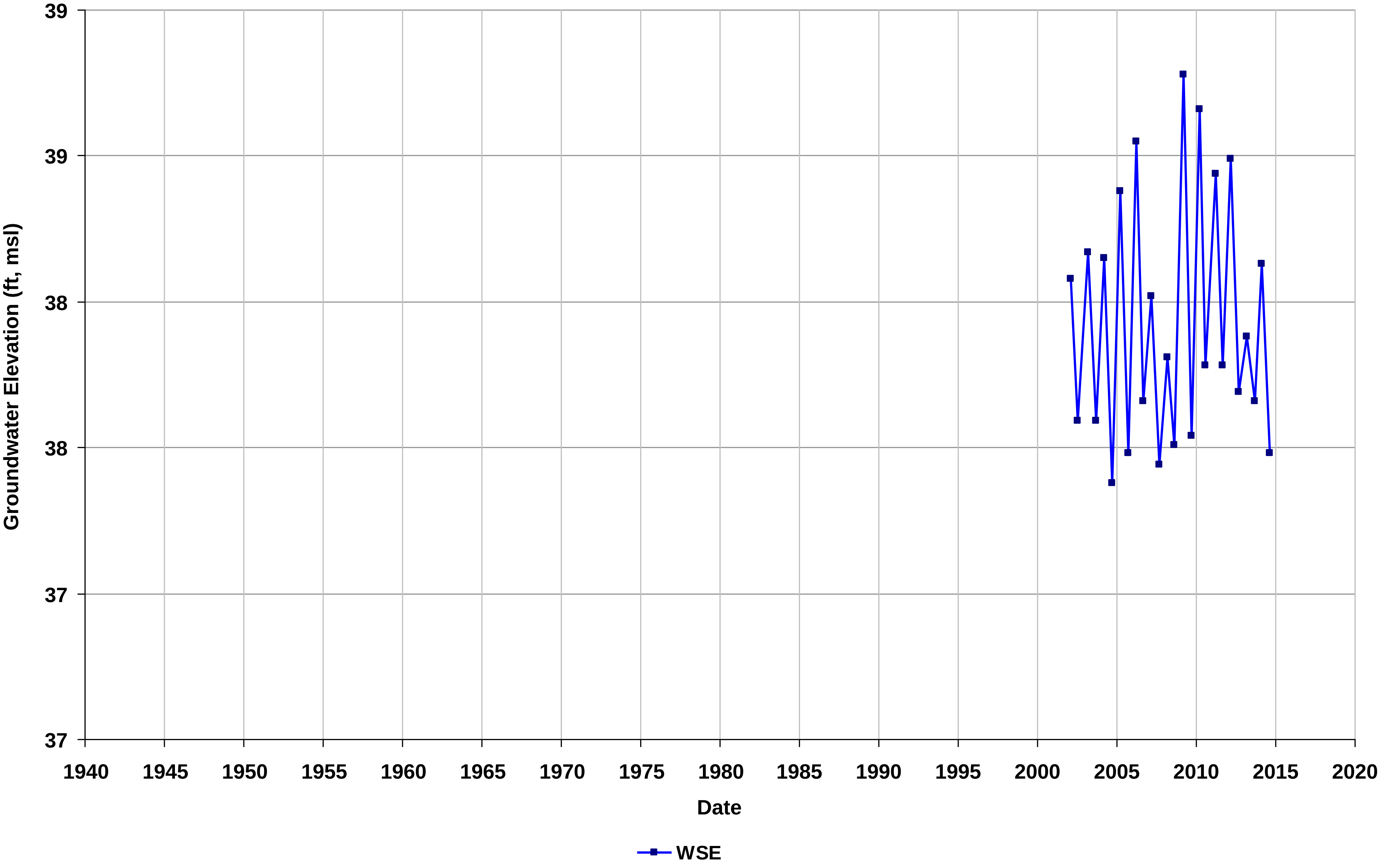
Well Name: T0601300002-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



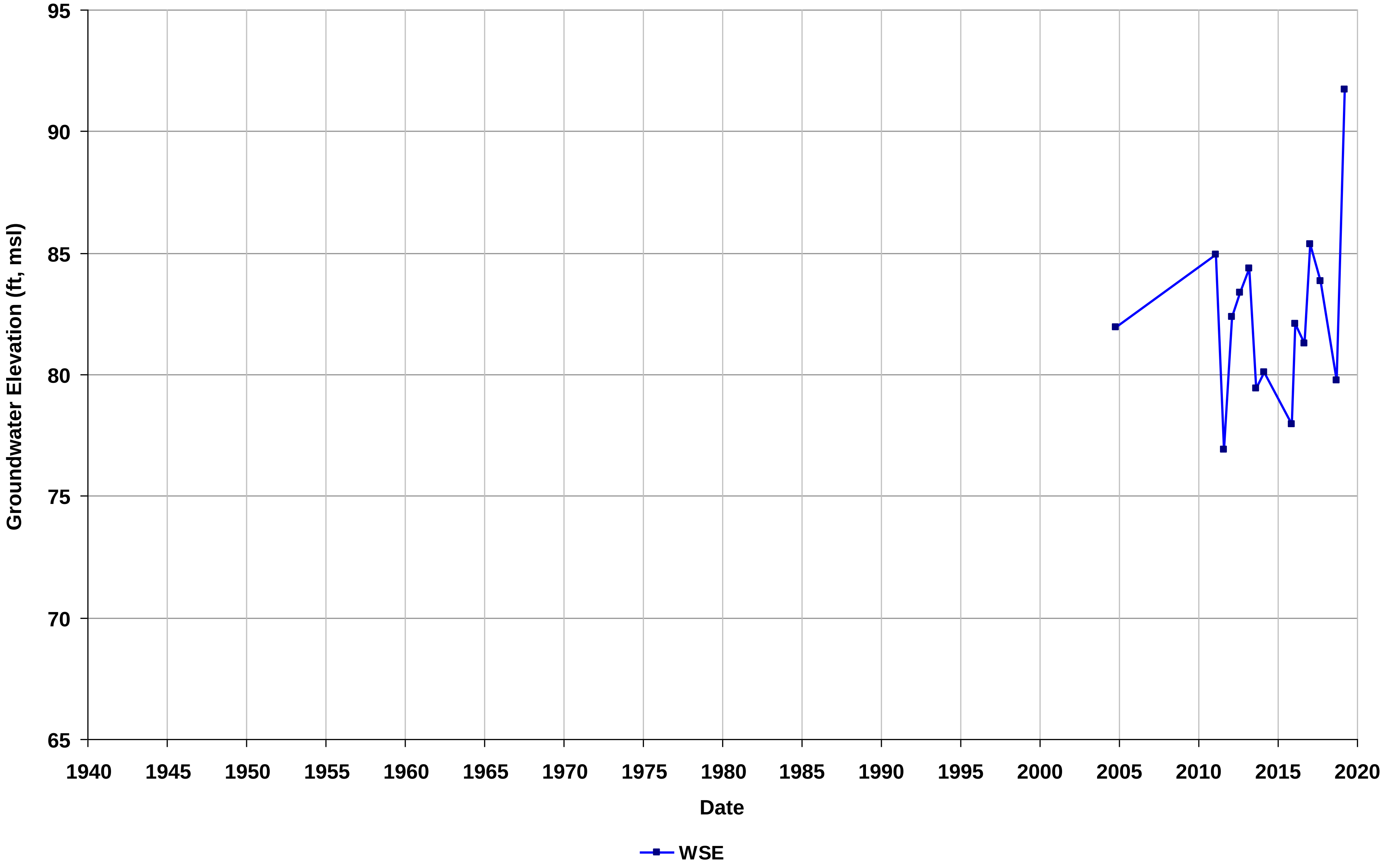
Well Name: T0601300002-MW-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



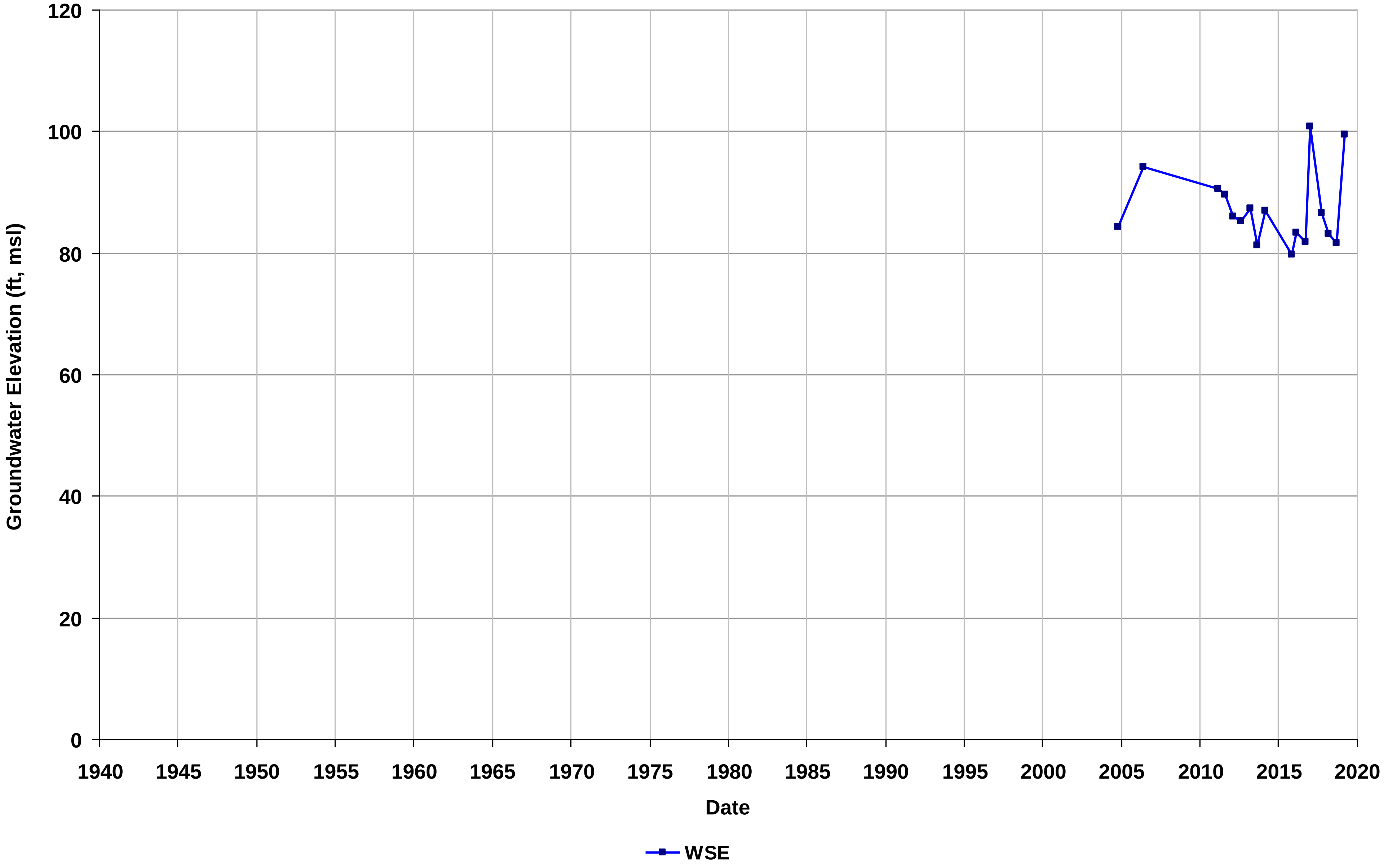
Well Name: T0601300018-AS-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/08
Well Use: Observation



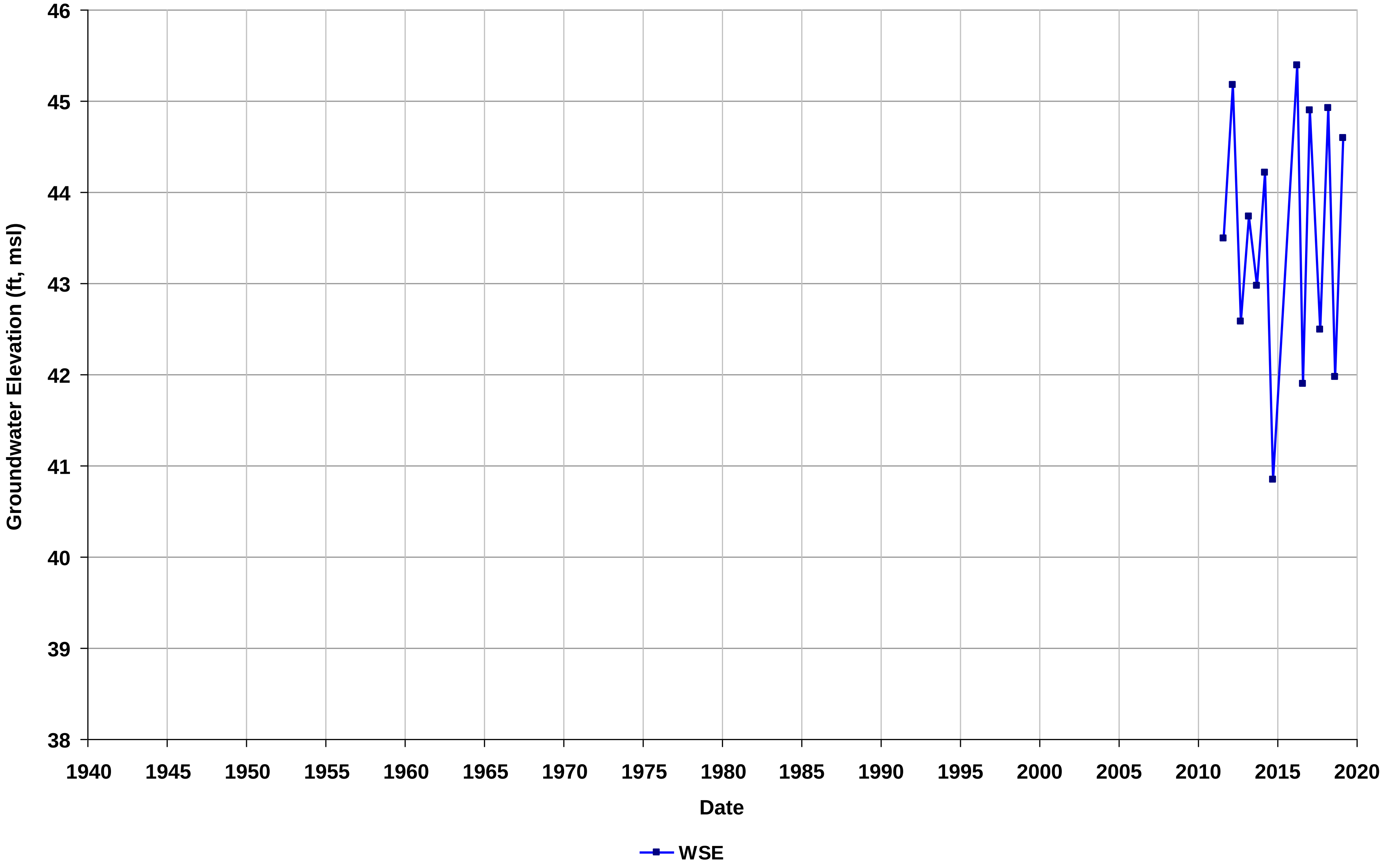
Well Name: T0601300018-VE-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/08
Well Use: Observation



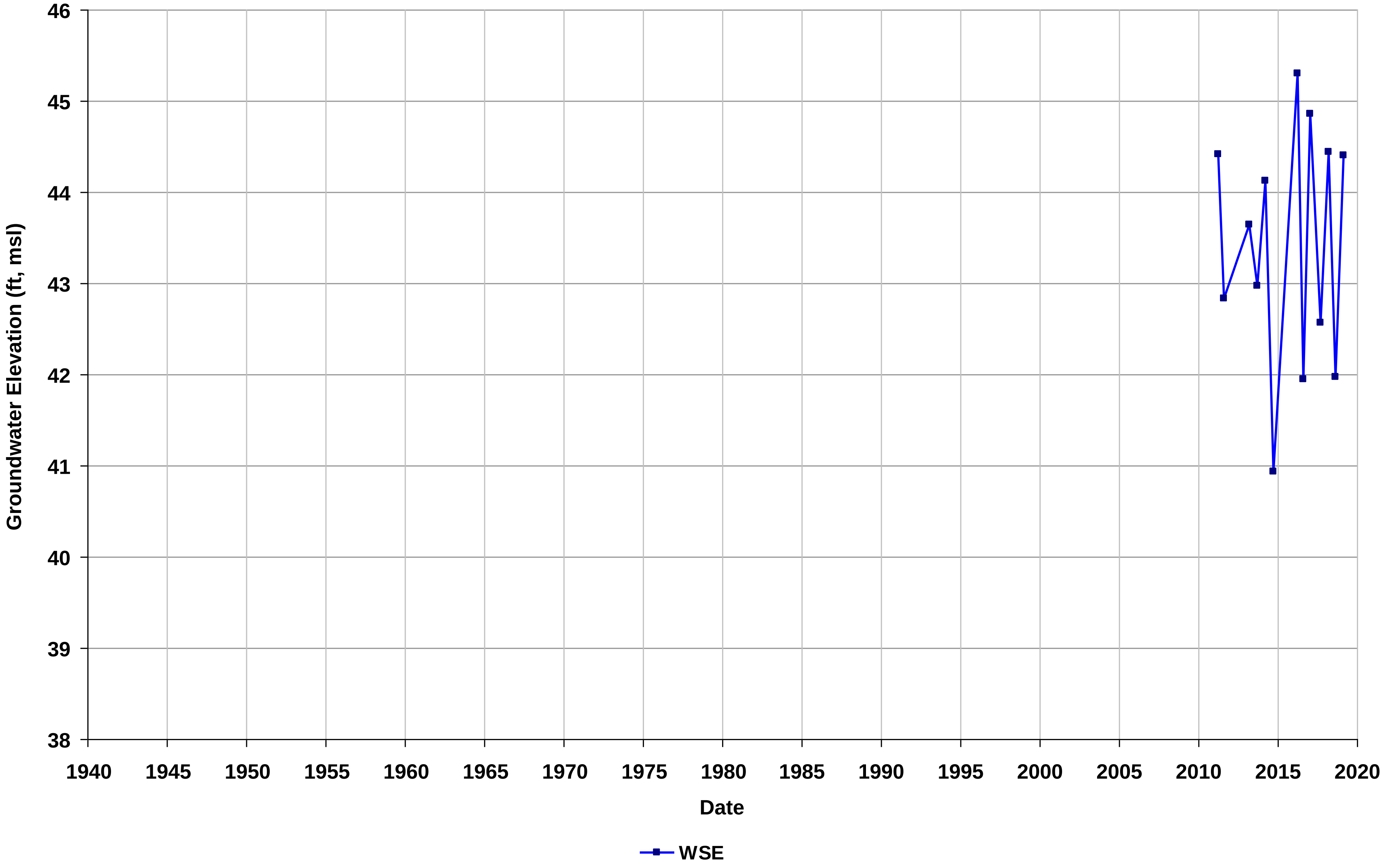
Well Name: T0601300019-AS-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



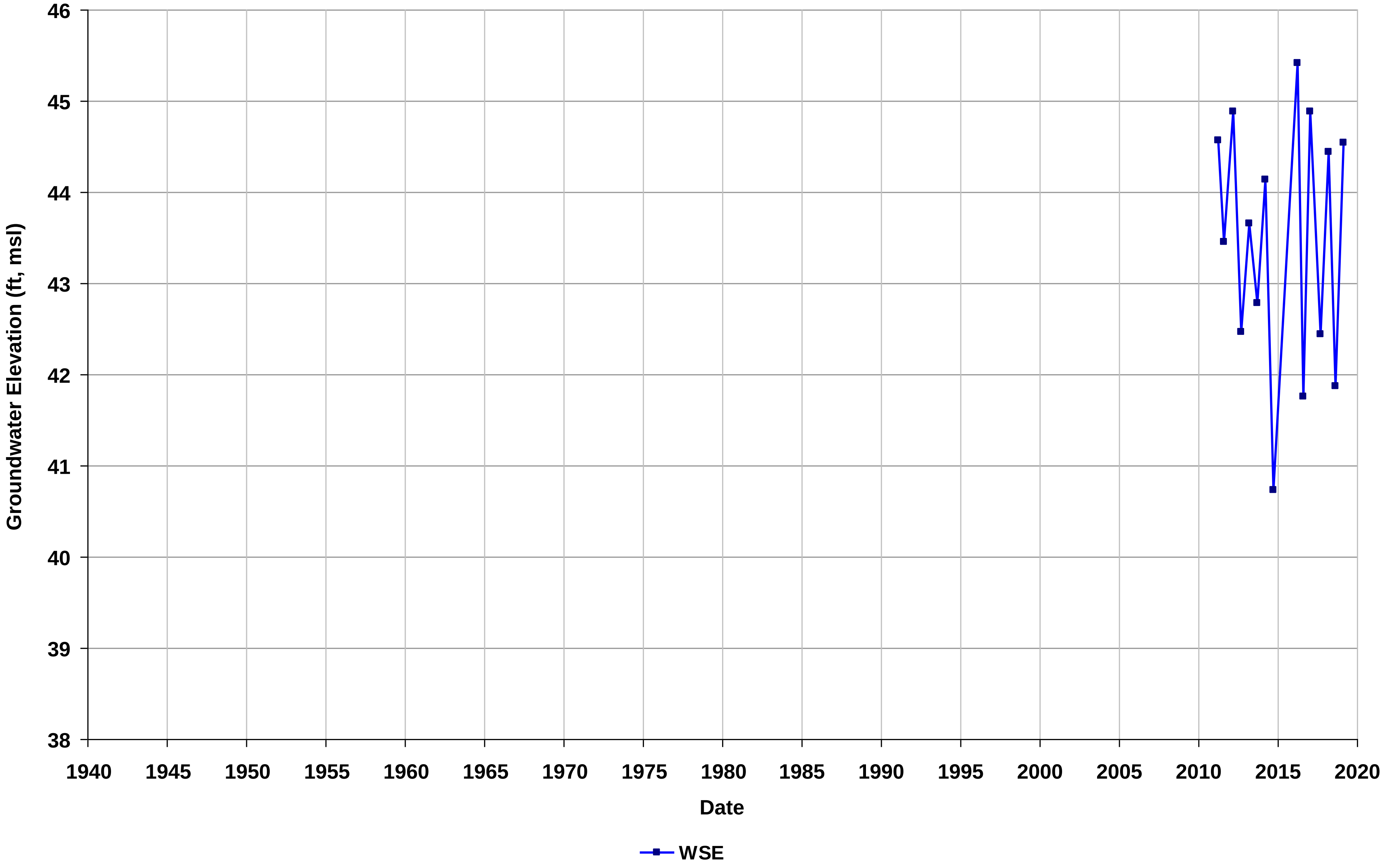
Well Name: T0601300019-AS-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



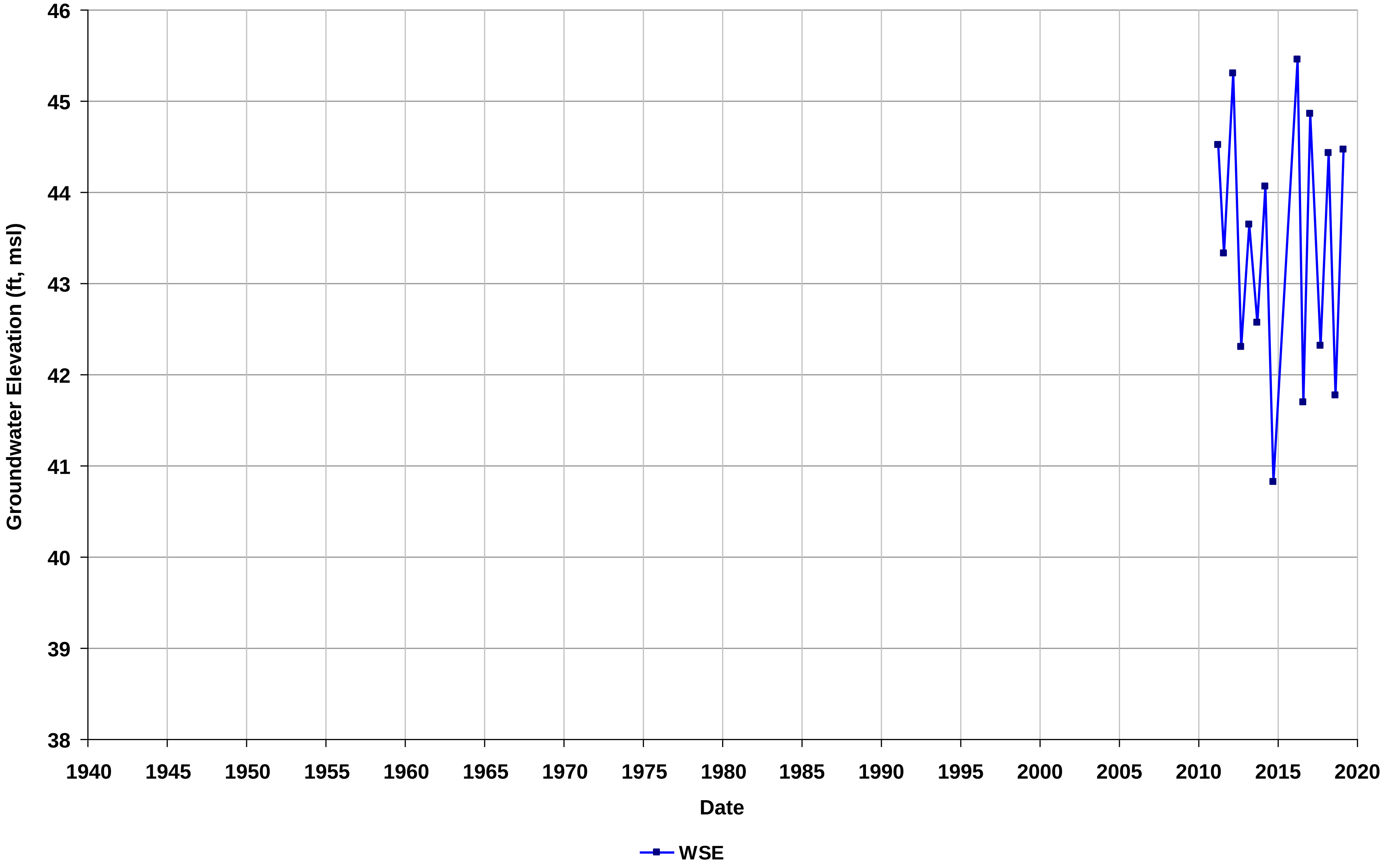
Well Name: T0601300019-VE-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



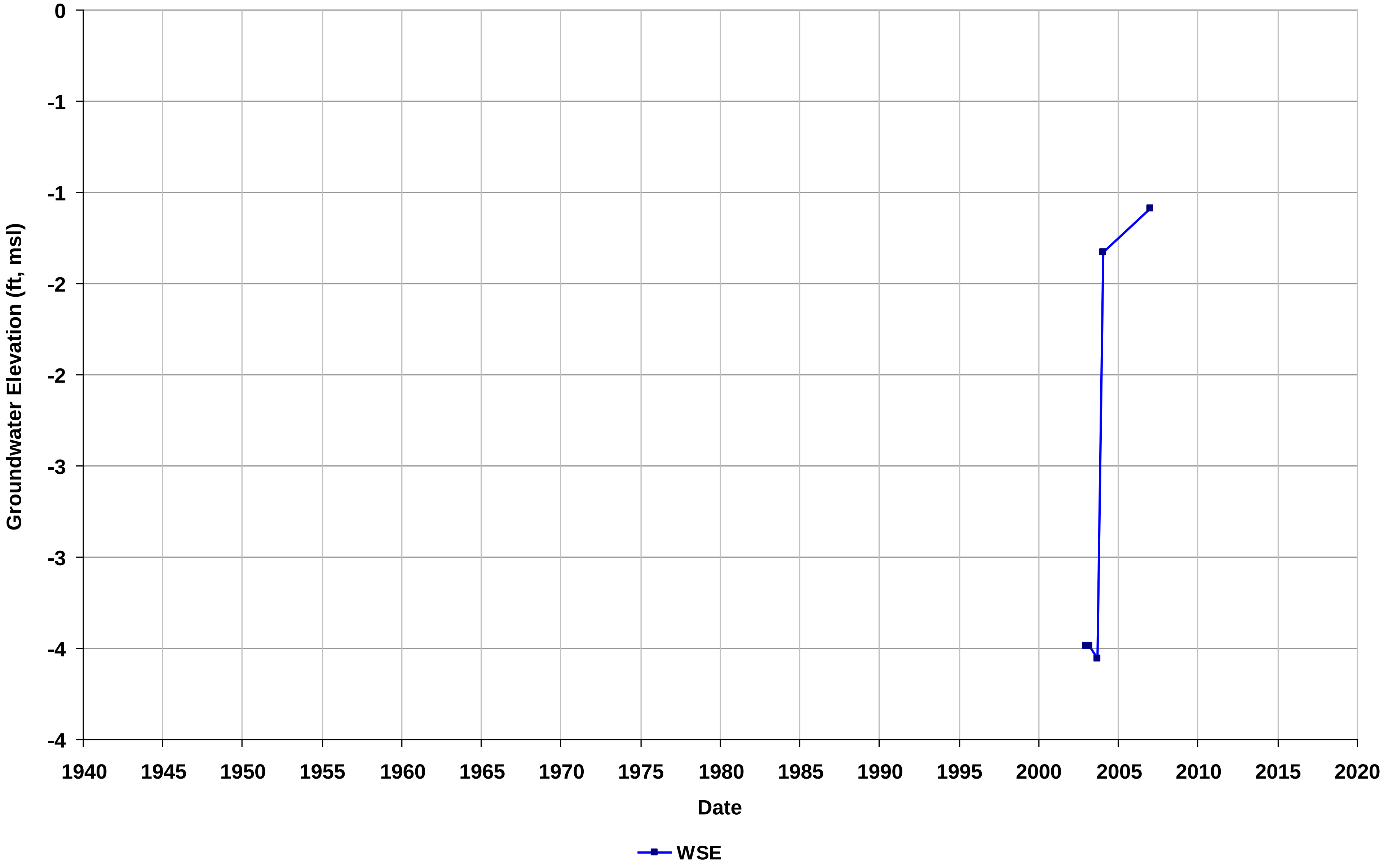
Well Name: T0601300019-VE-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



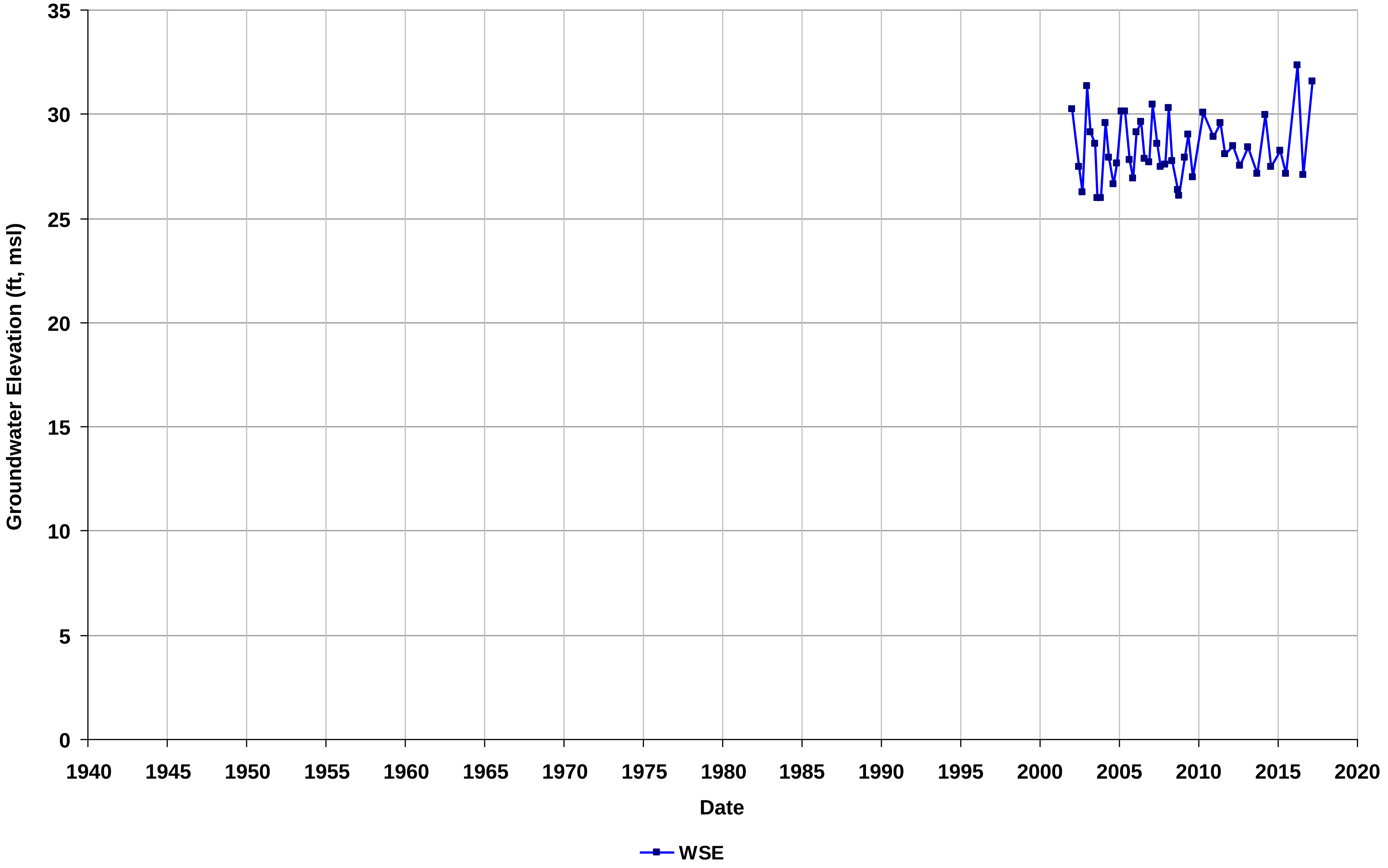
Well Name: T0601300025-EB-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



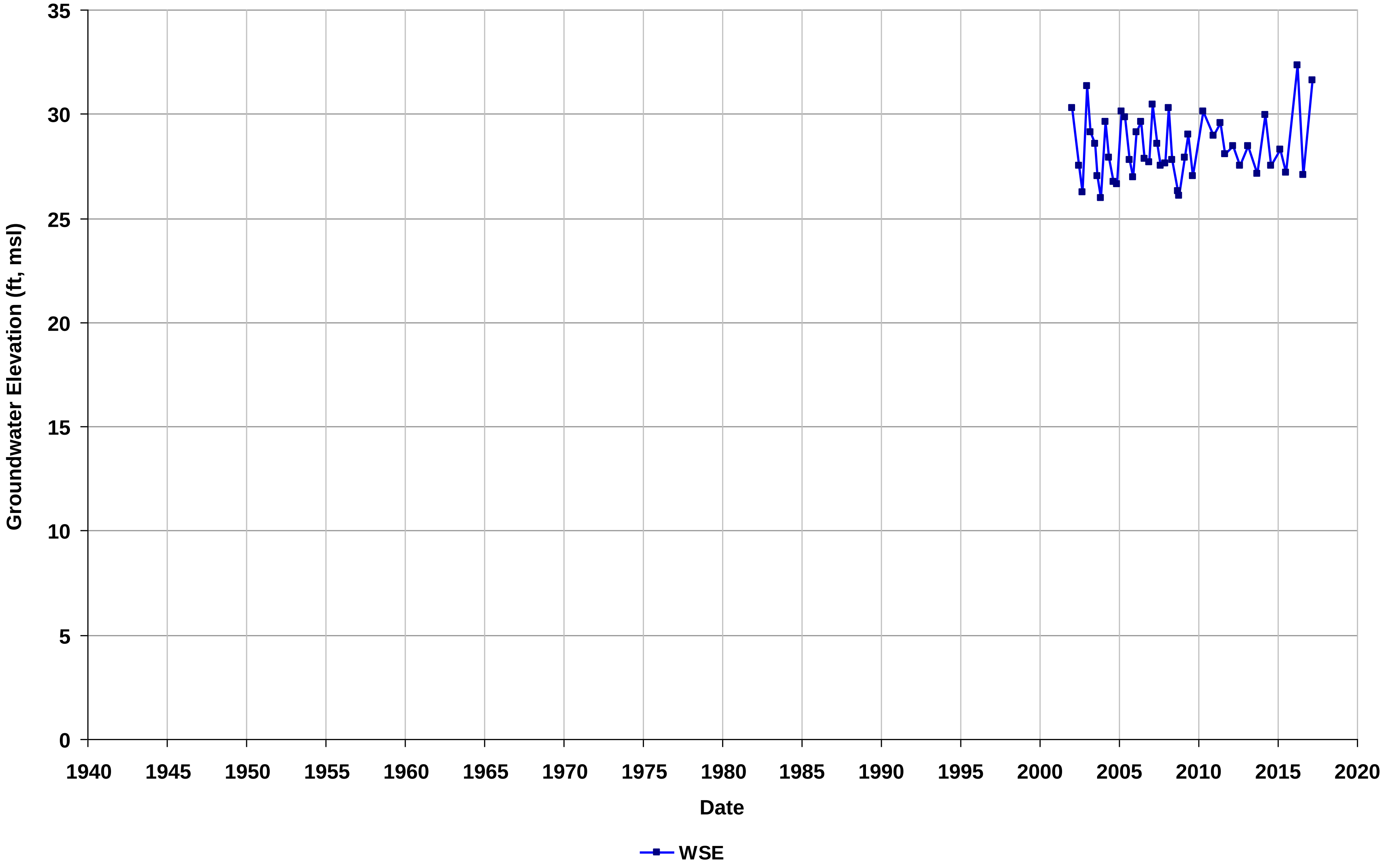
Well Name: T0601300033-MW-1R
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



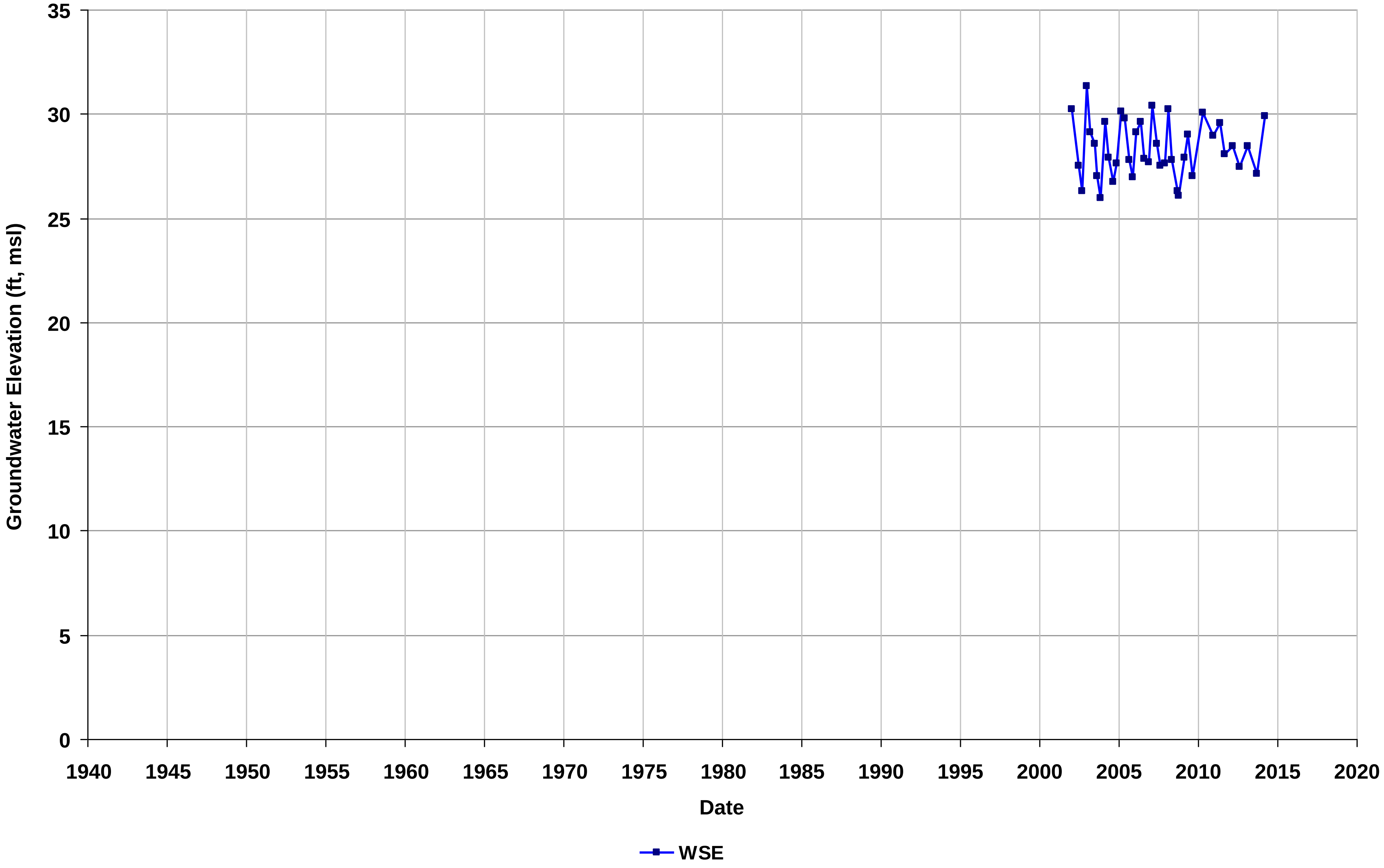
Well Name: T0601300033-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



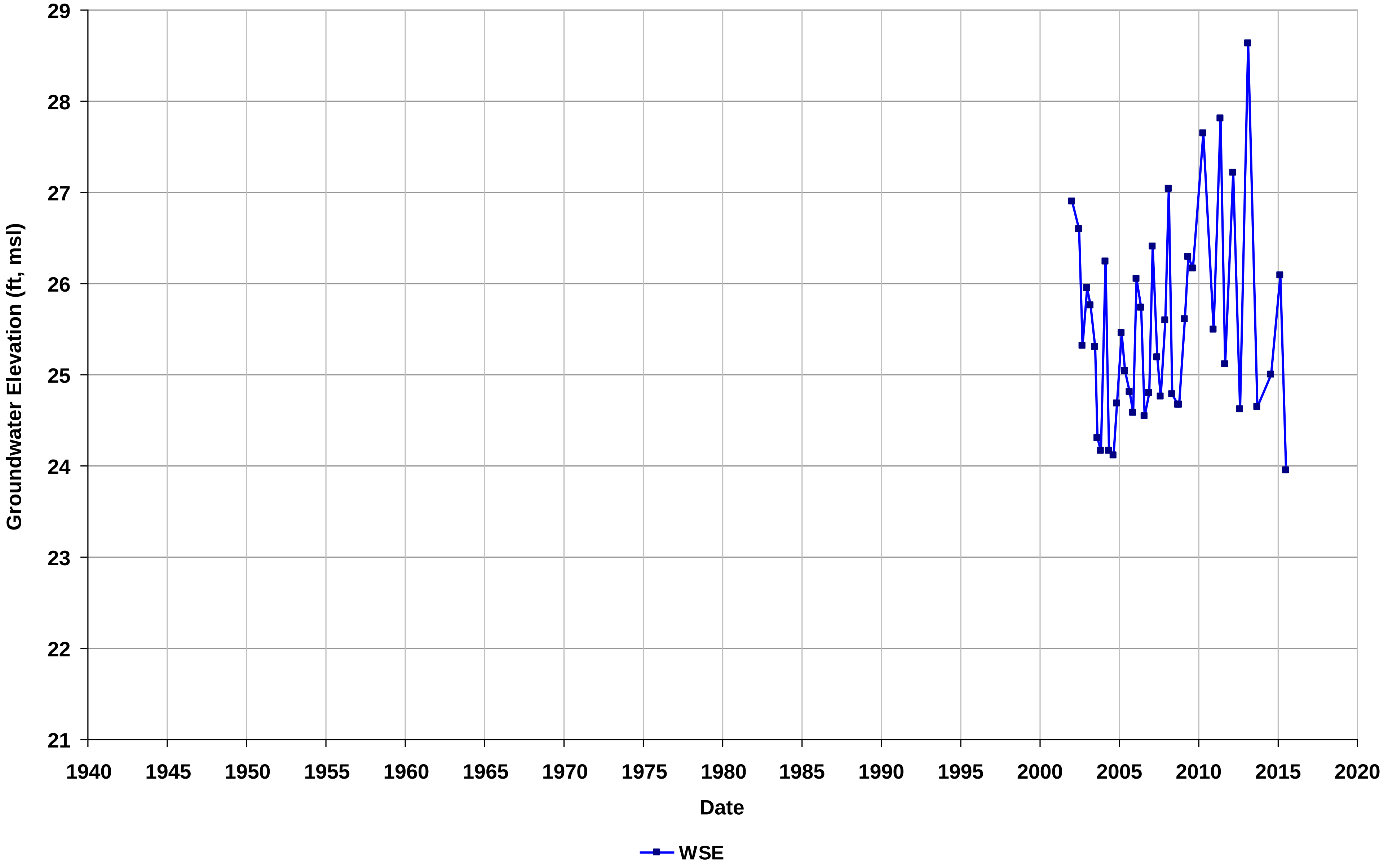
Well Name: T0601300033-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



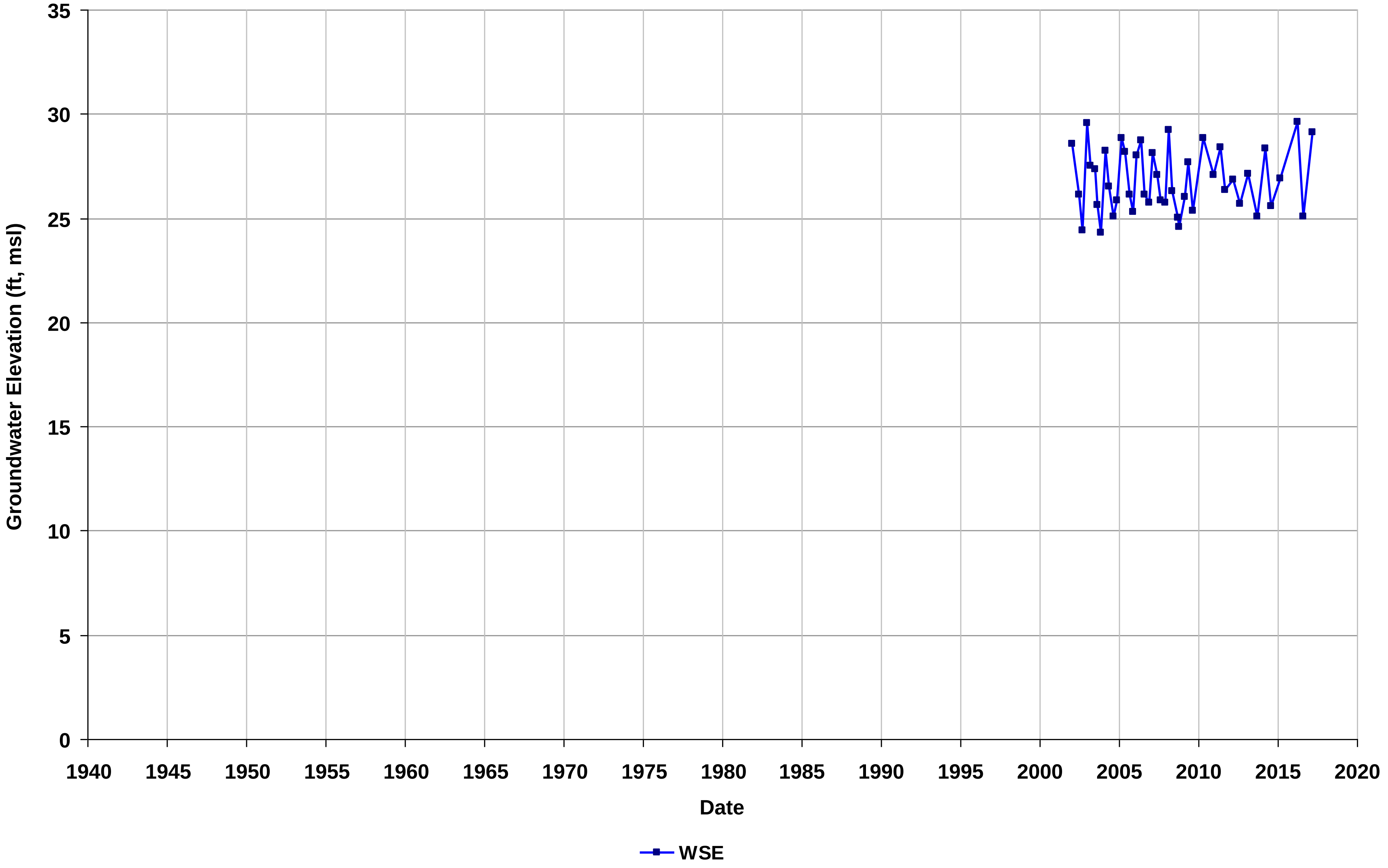
Well Name: T0601300033-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



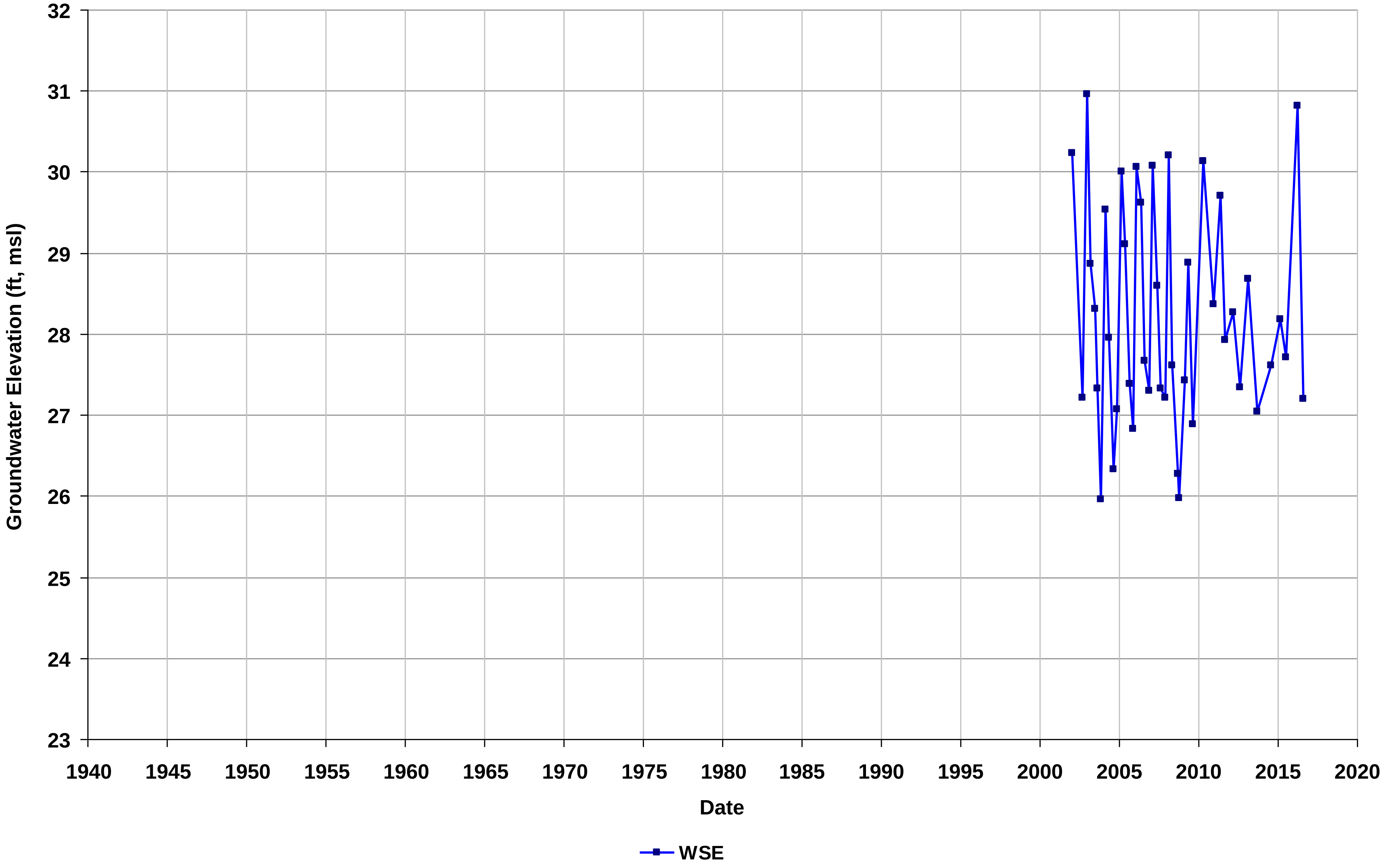
Well Name: T0601300033-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



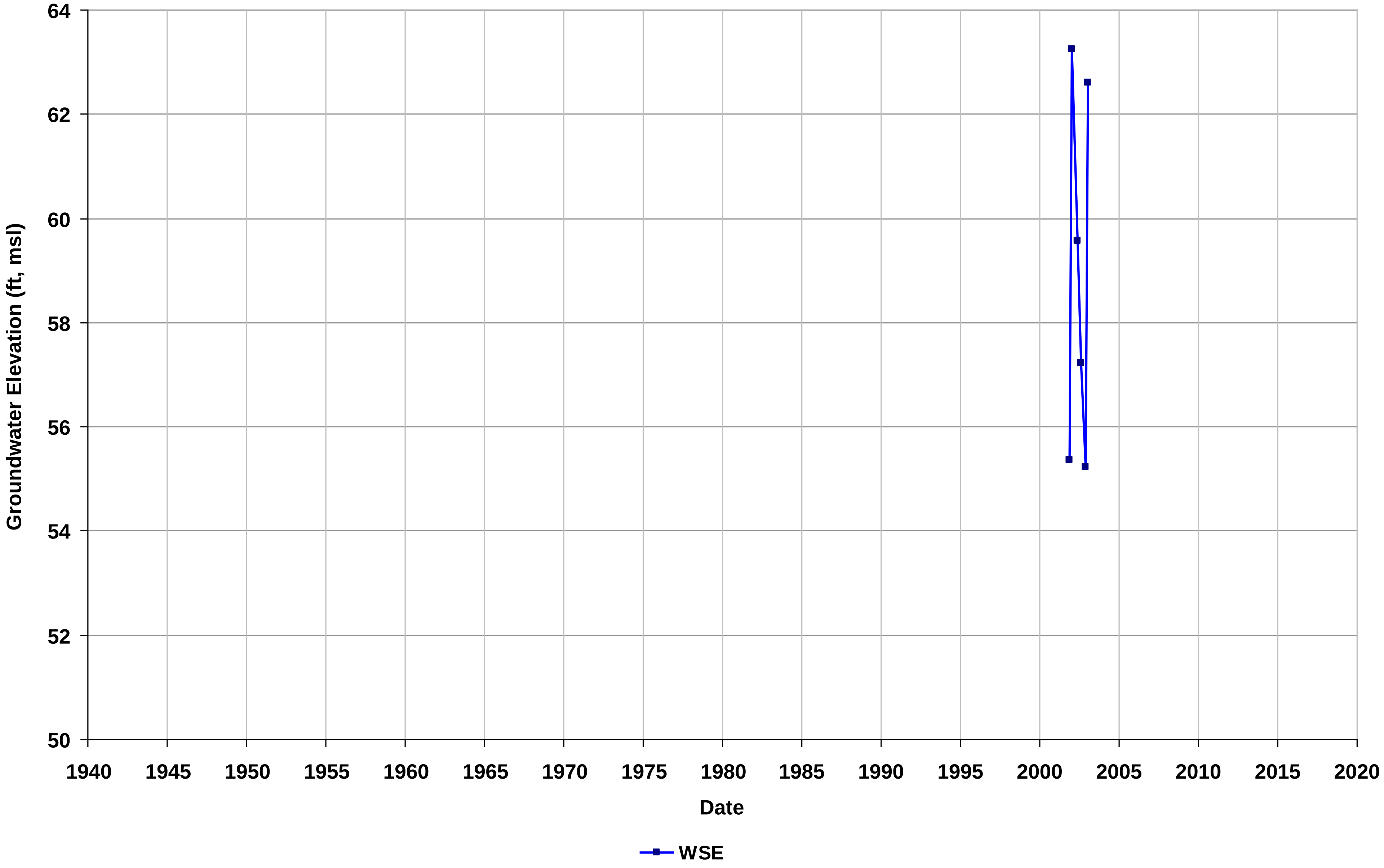
Well Name: T0601300033-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



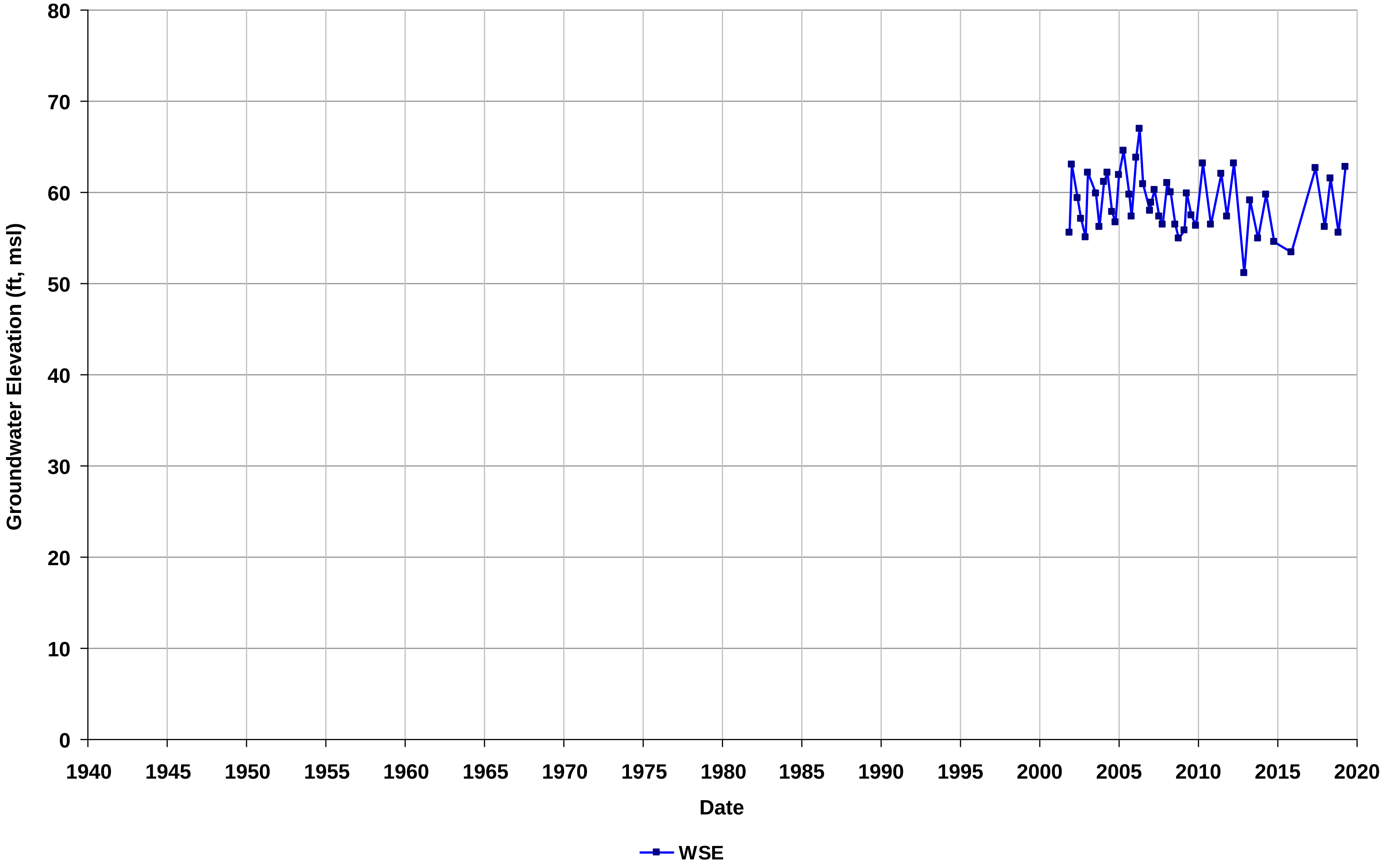
Well Name: T0601300036-EX-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/17
Well Use: Observation



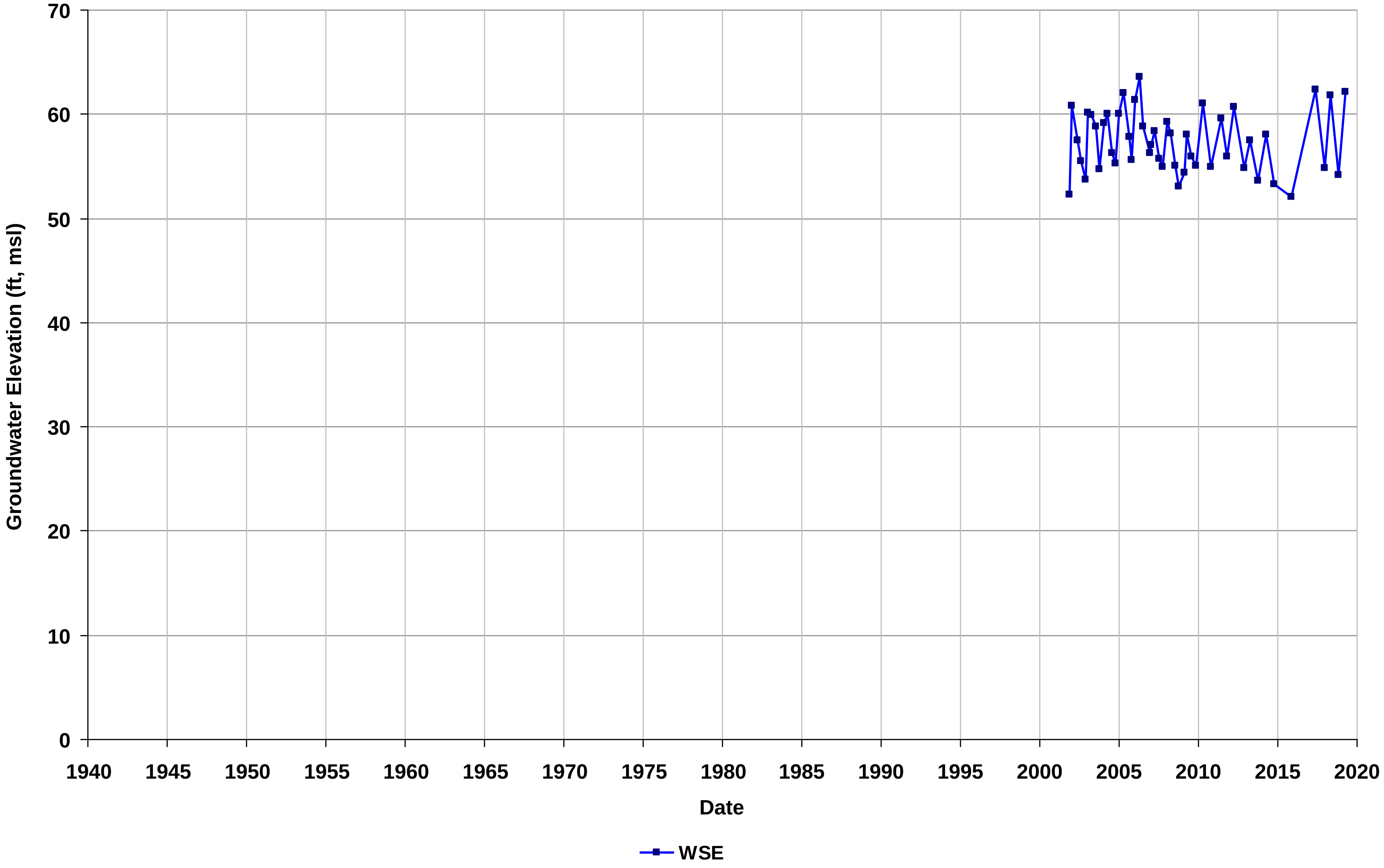
Well Name: T0601300036-MW-17
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/17
Well Use: Observation



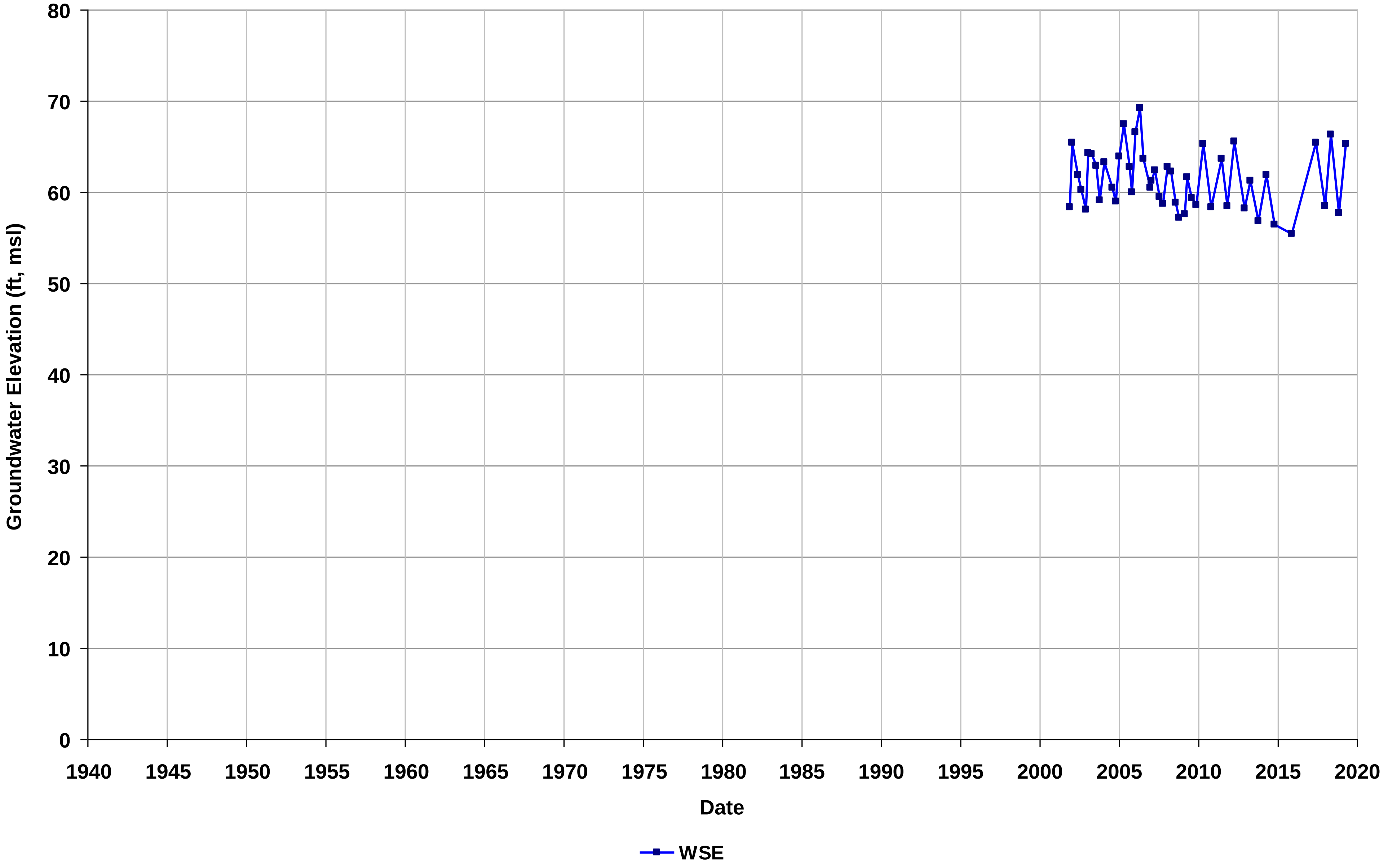
Well Name: T0601300036-MW-18
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/17
Well Use: Observation



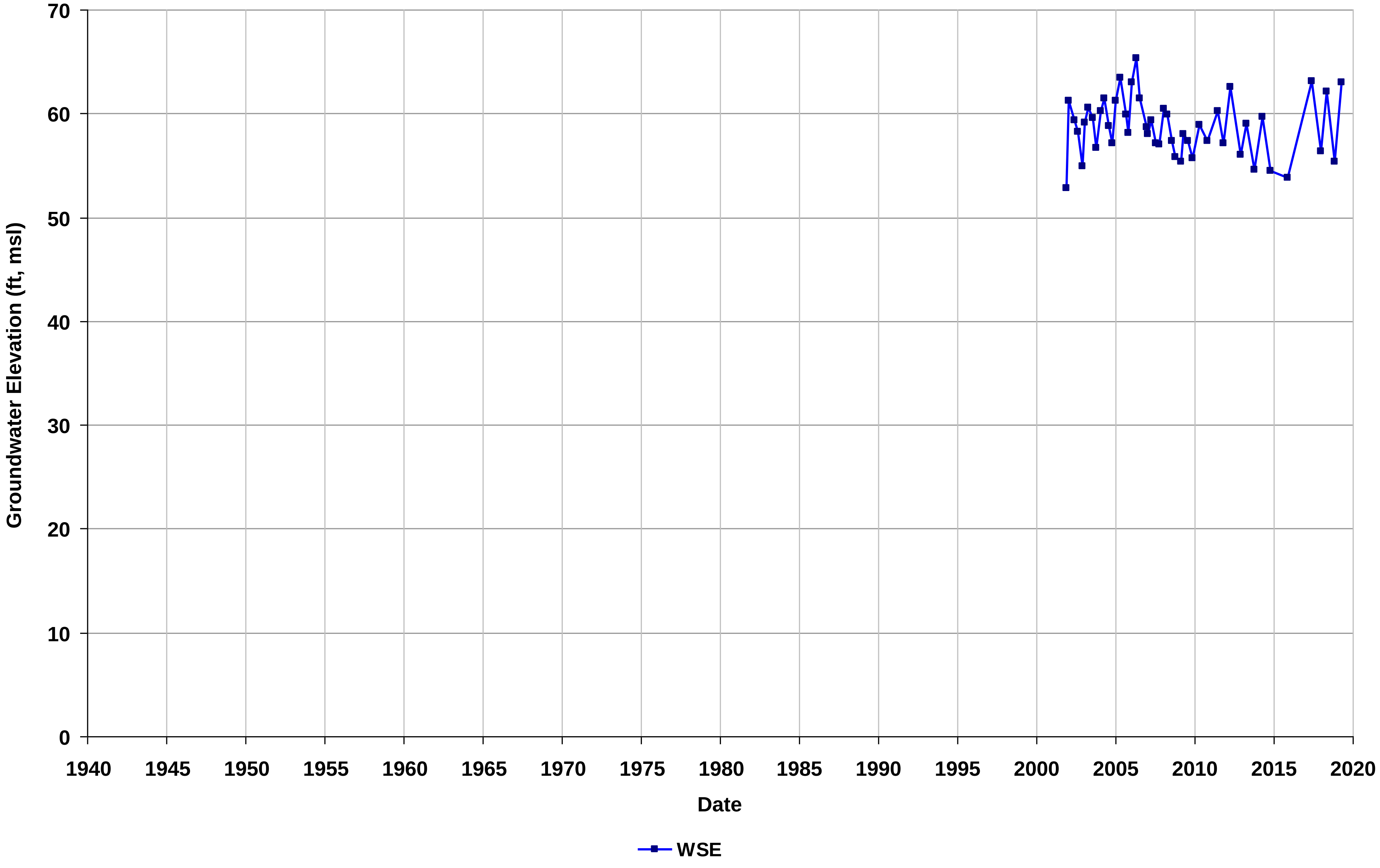
Well Name: T0601300036-MW-19
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/17
Well Use: Observation



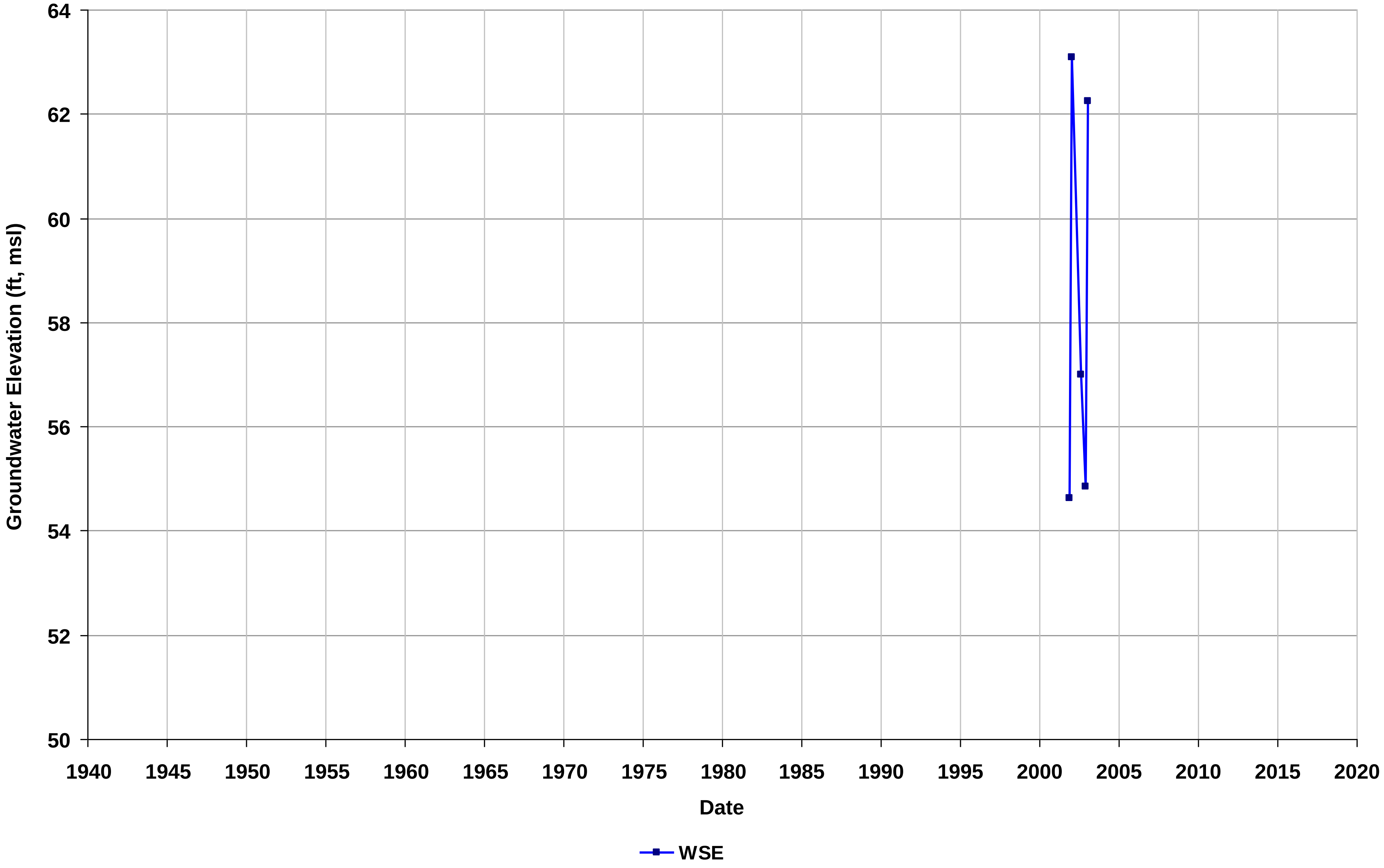
Well Name: T0601300036-MW-20
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/17
Well Use: Observation



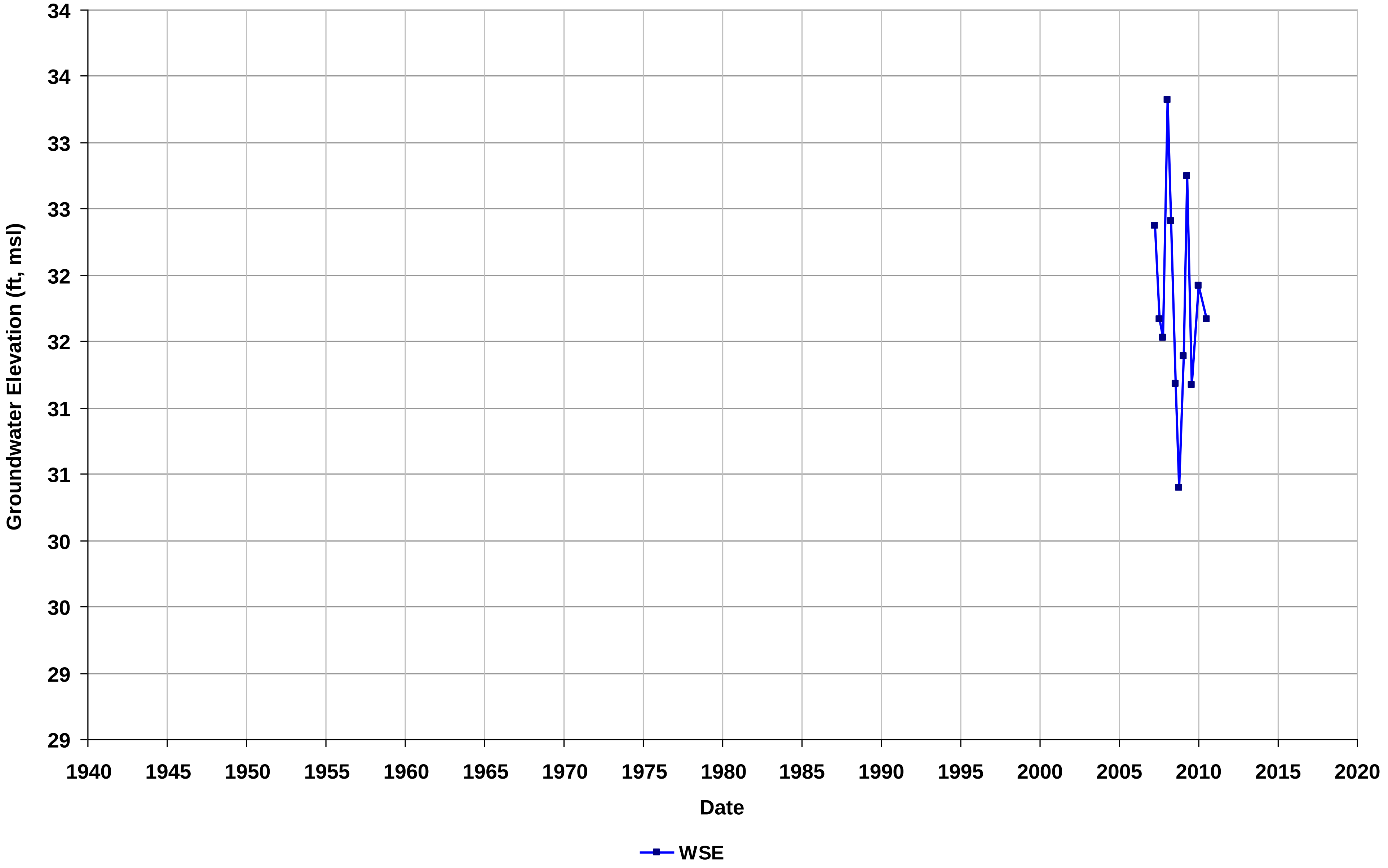
Well Name: T0601300036-MW-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/17
Well Use: Observation



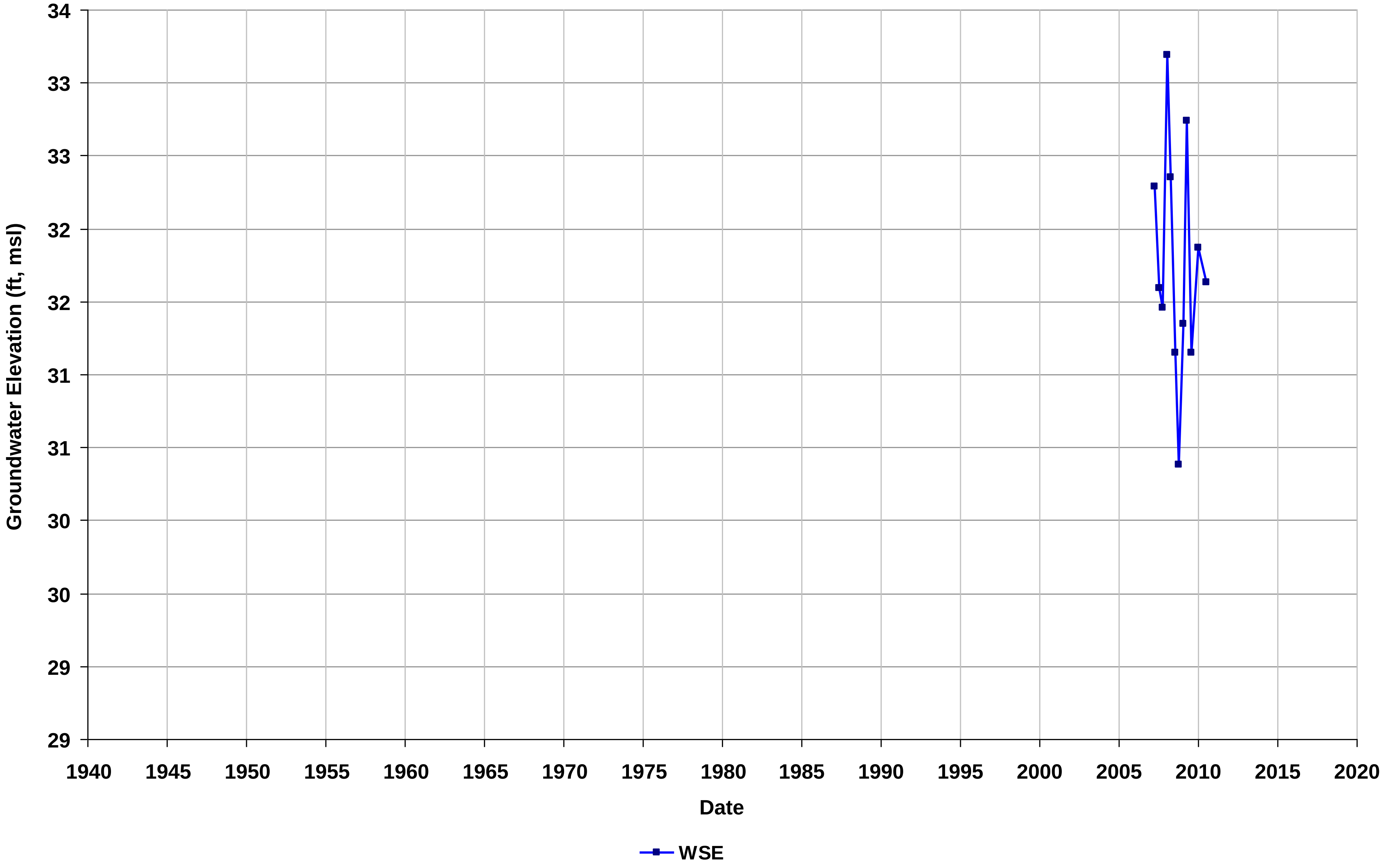
Well Name: T0601300156-MW-2R
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/19
Well Use: Observation



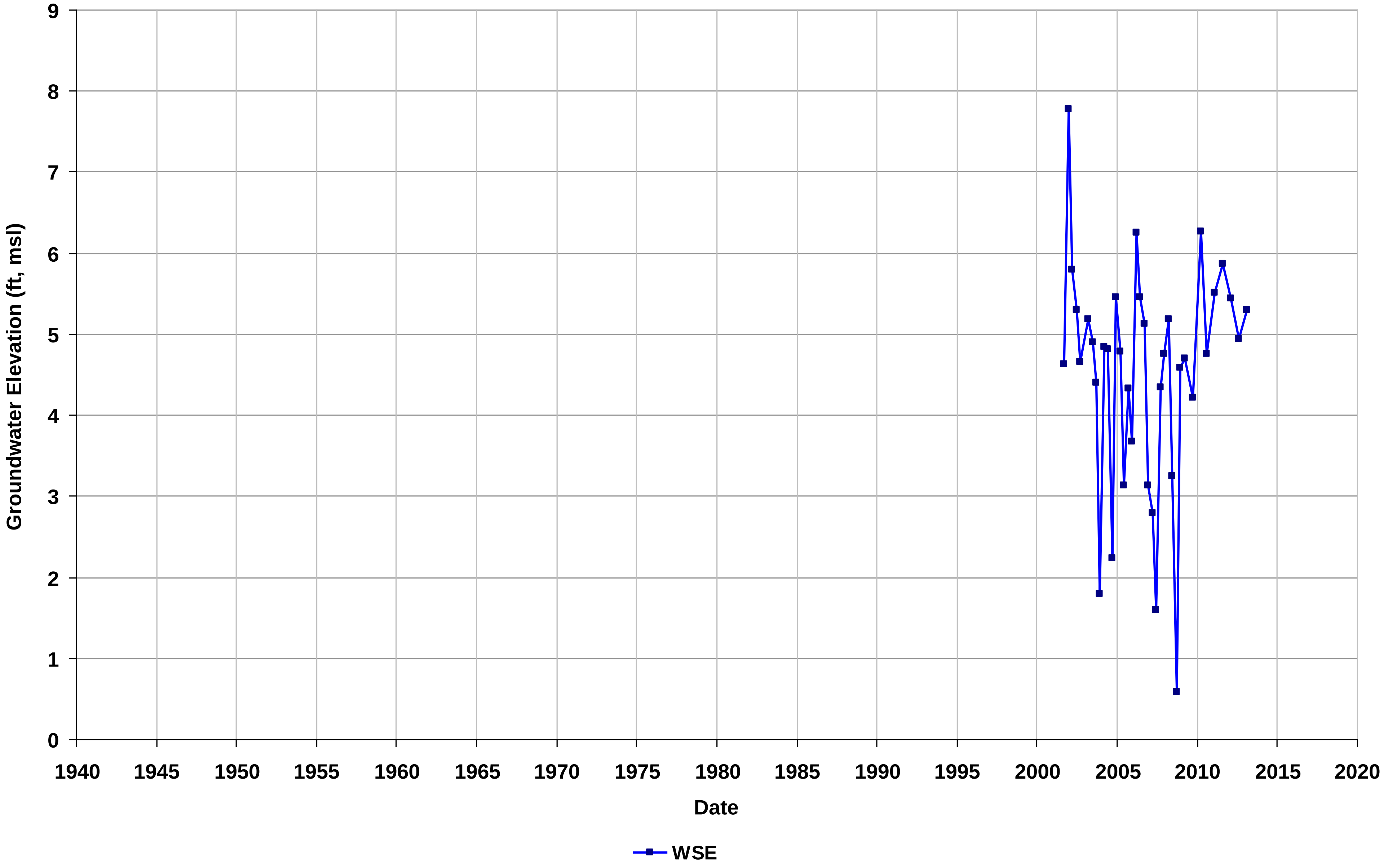
Well Name: T0601300156-MW-3R
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/01W/19
Well Use: Observation



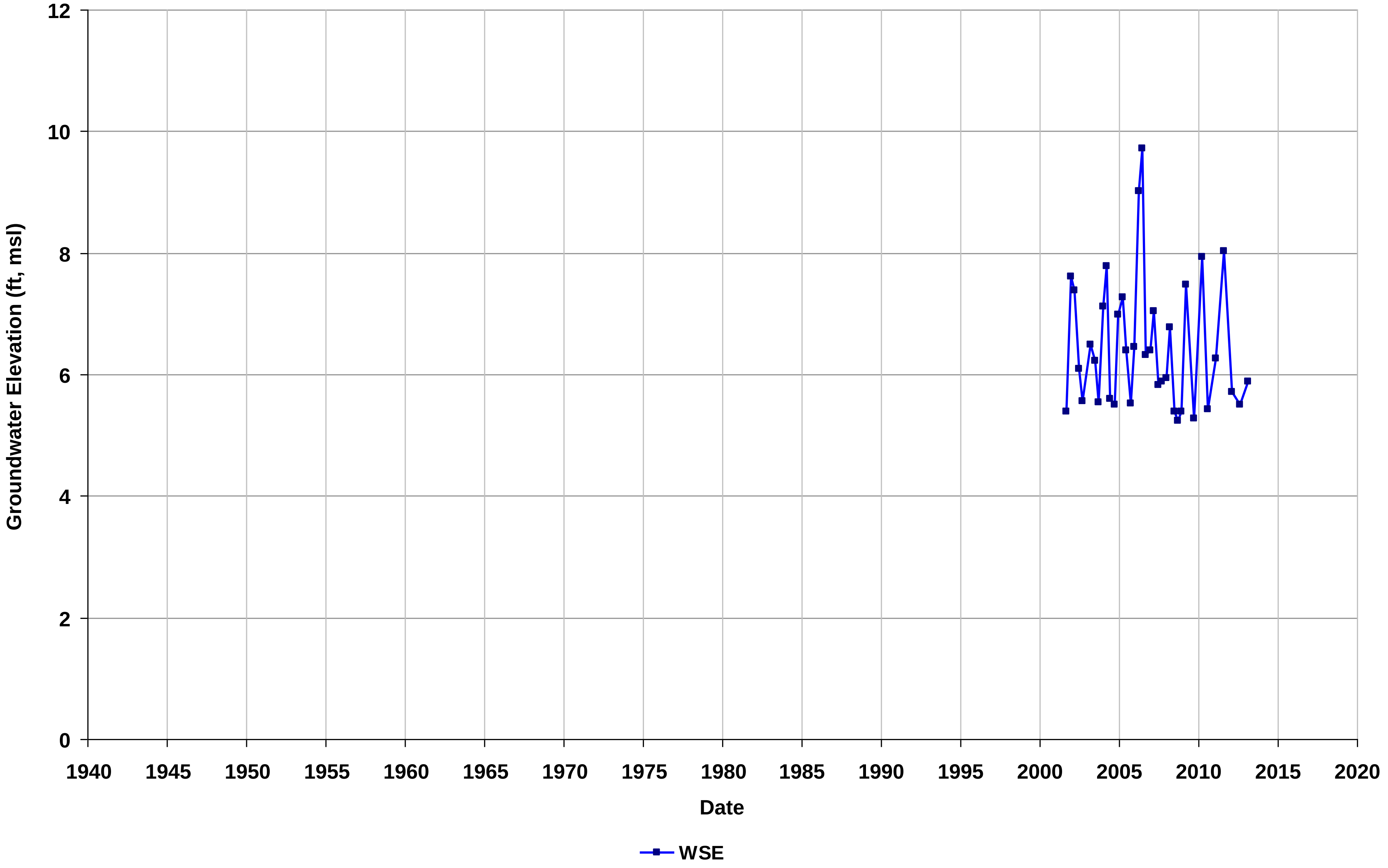
Well Name: T0601300300-MW1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/28
Well Use: Observation



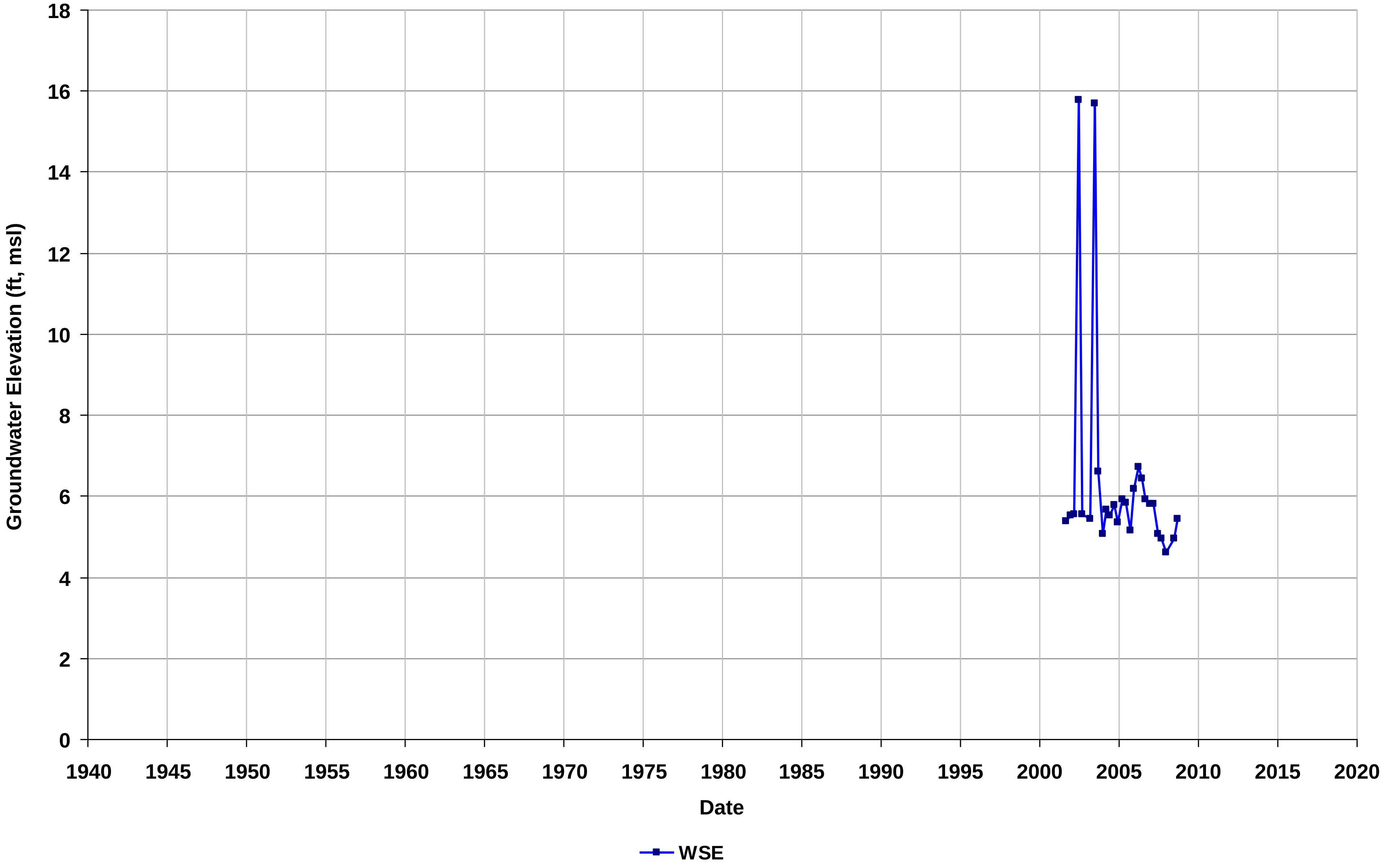
Well Name: T0601300300-MW10
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/28
Well Use: Observation



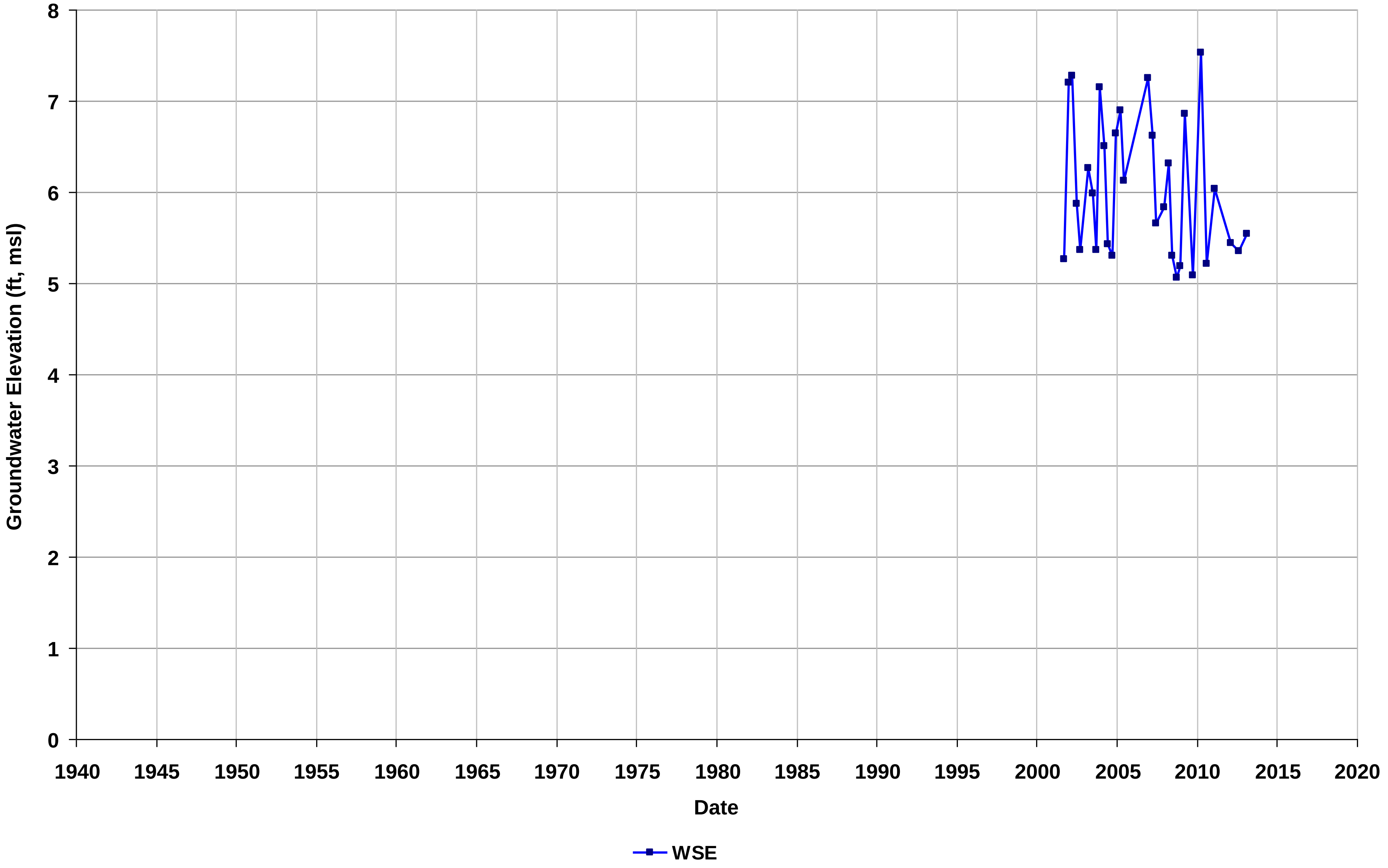
Well Name: T0601300300-MW11
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/28
Well Use: Observation



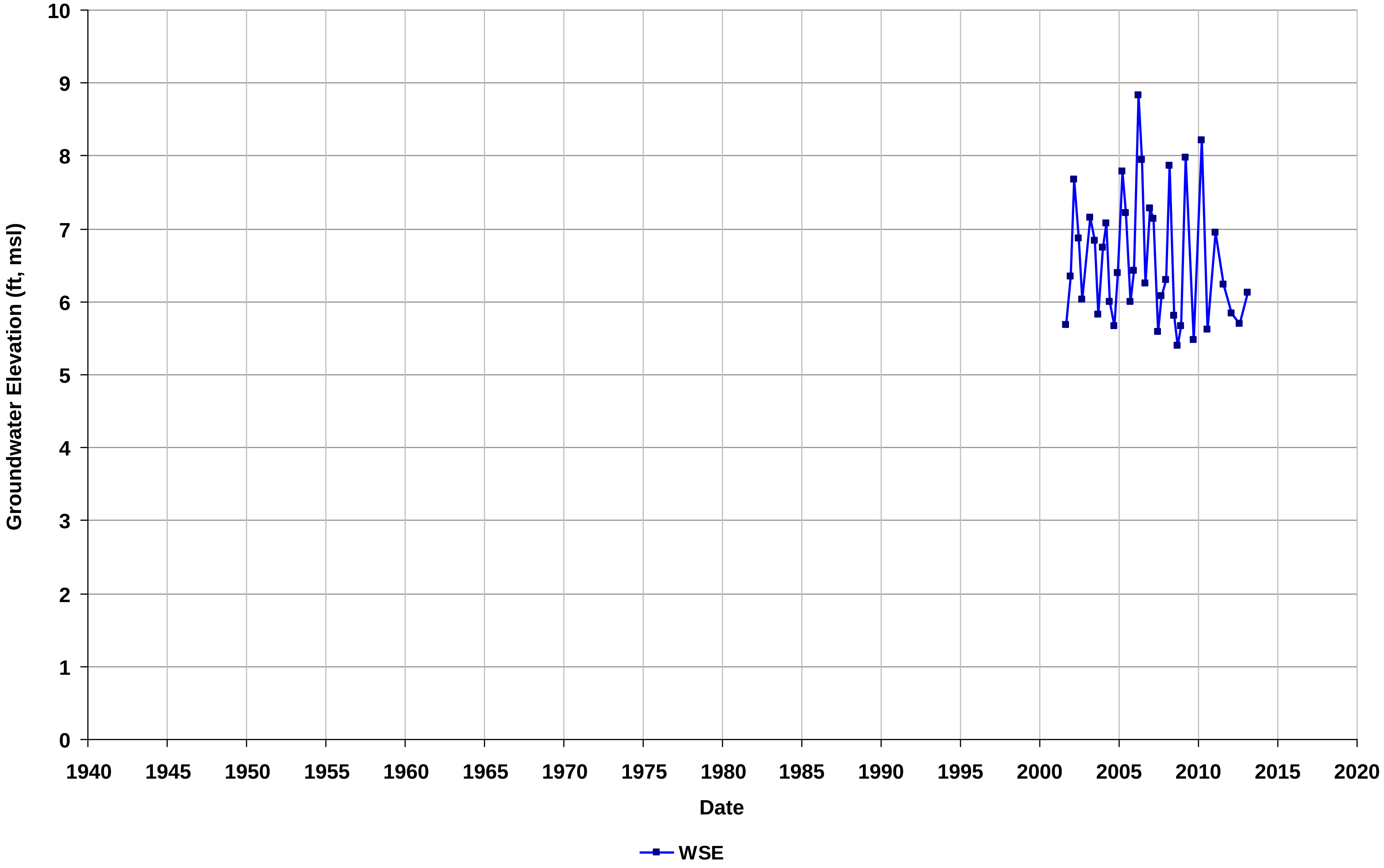
Well Name: T0601300300-MW13
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/28
Well Use: Observation



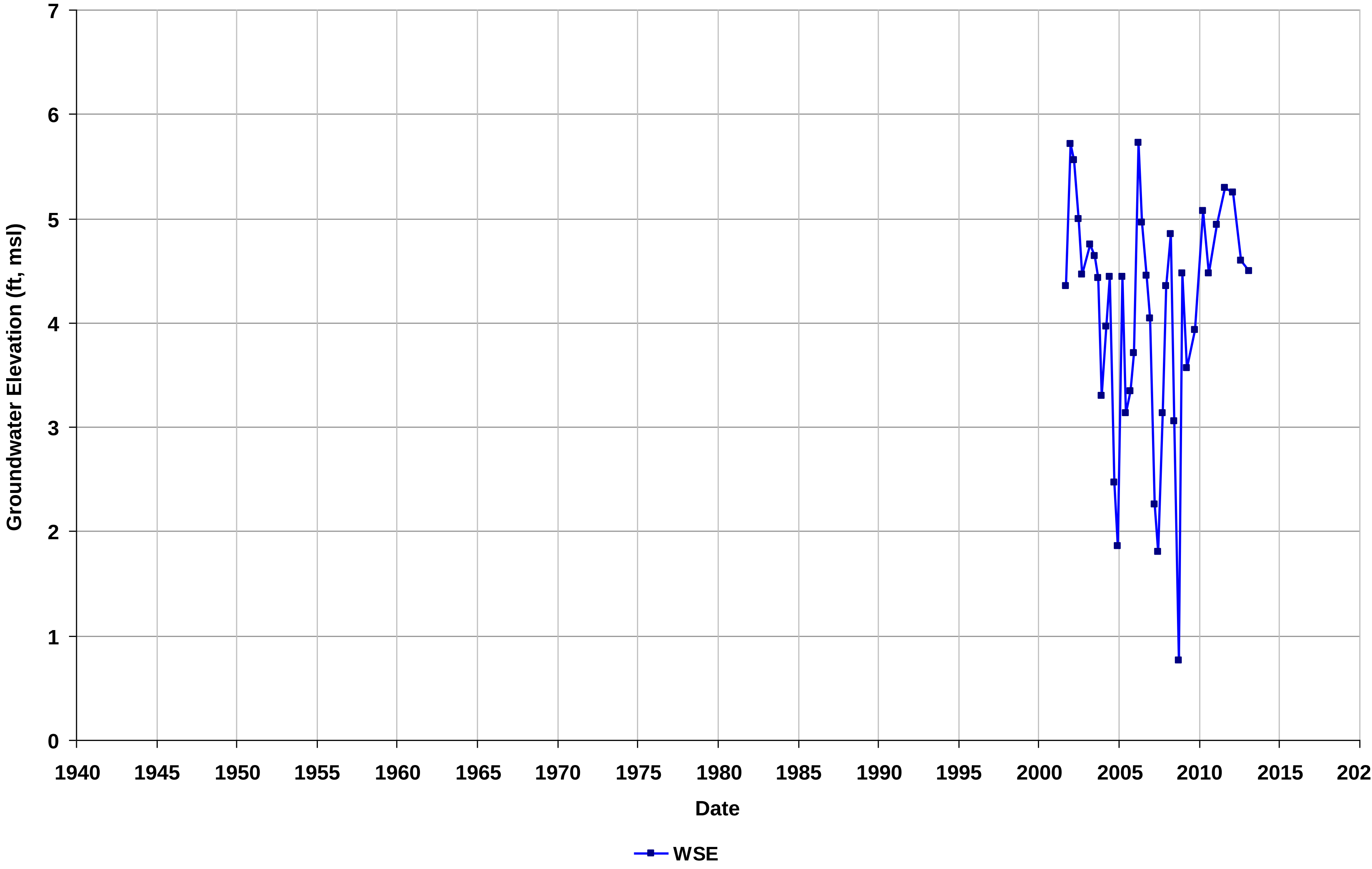
Well Name: T0601300300-MW14
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/28
Well Use: Observation



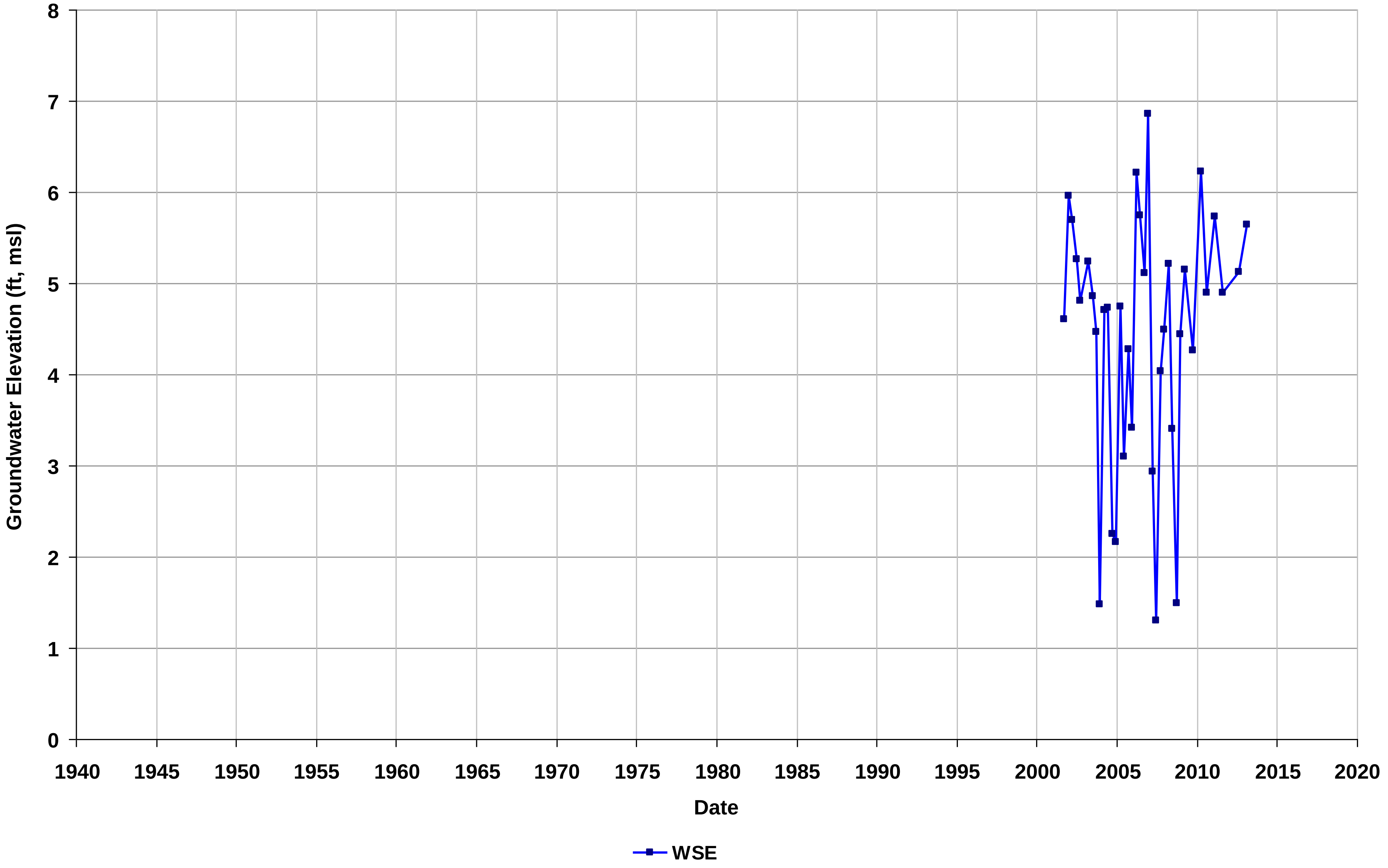
Well Name: T0601300300-MW2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/28
Well Use: Observation



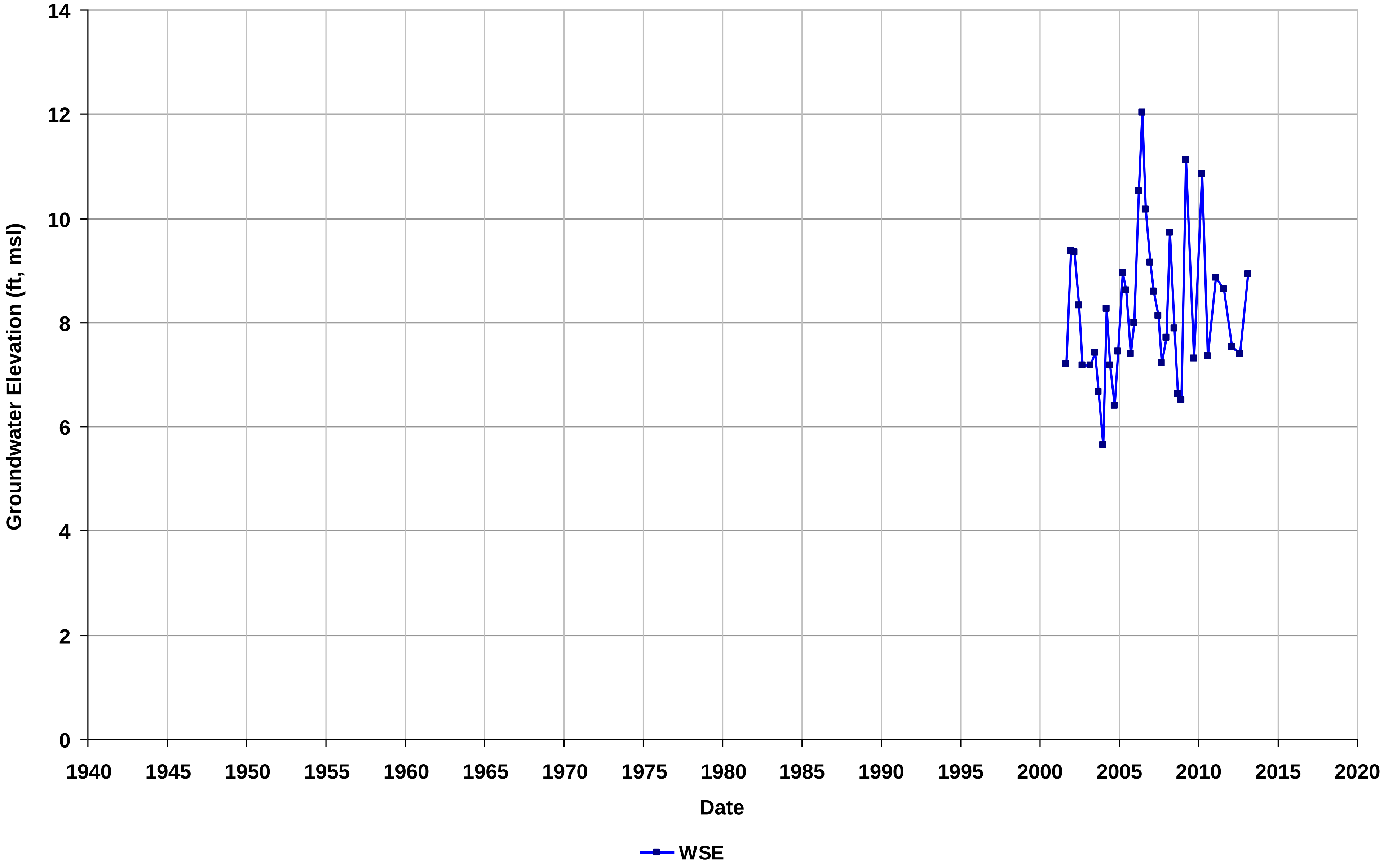
Well Name: T0601300300-MW3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/28
Well Use: Observation



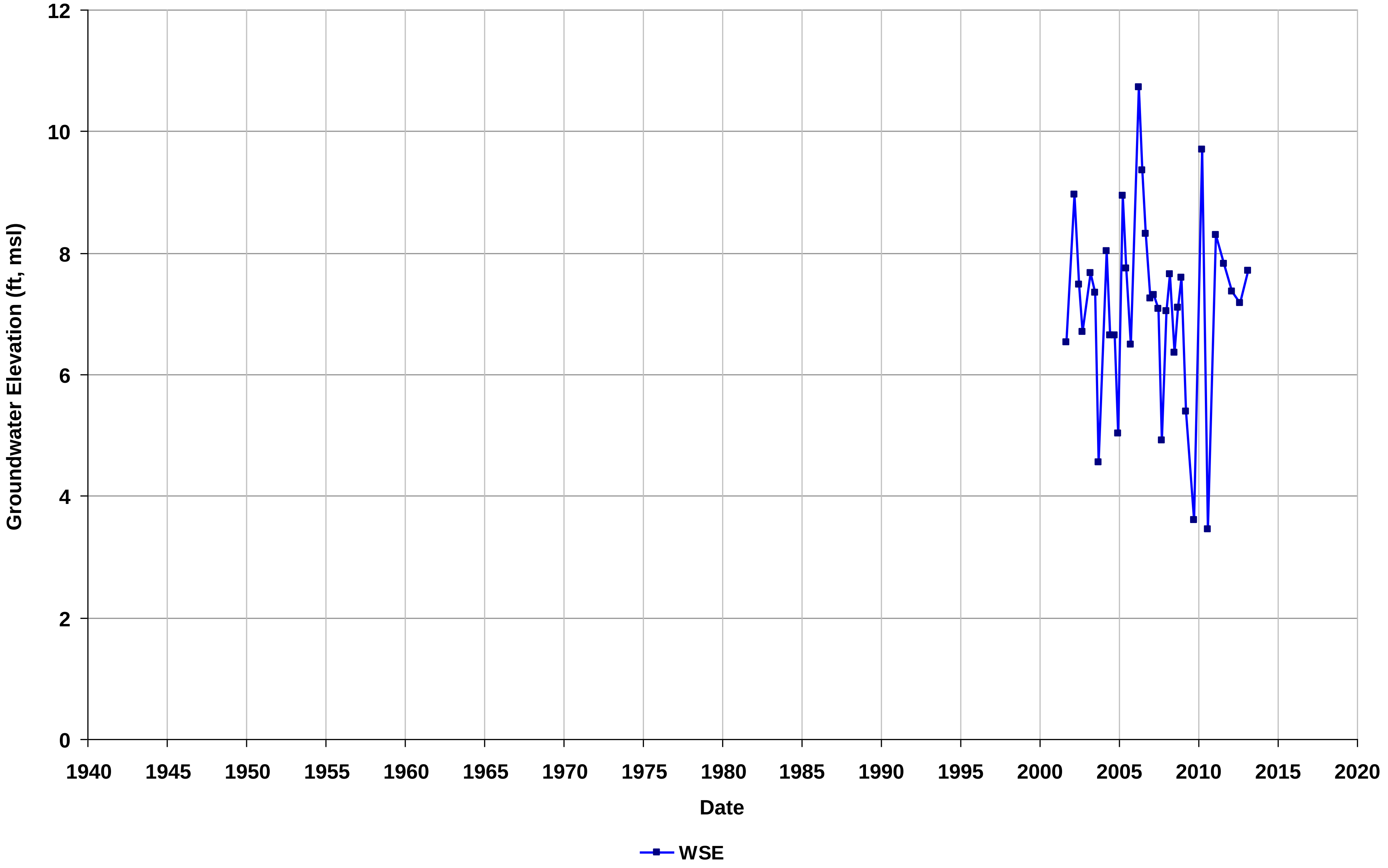
Well Name: T0601300300-MW4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/28
Well Use: Observation



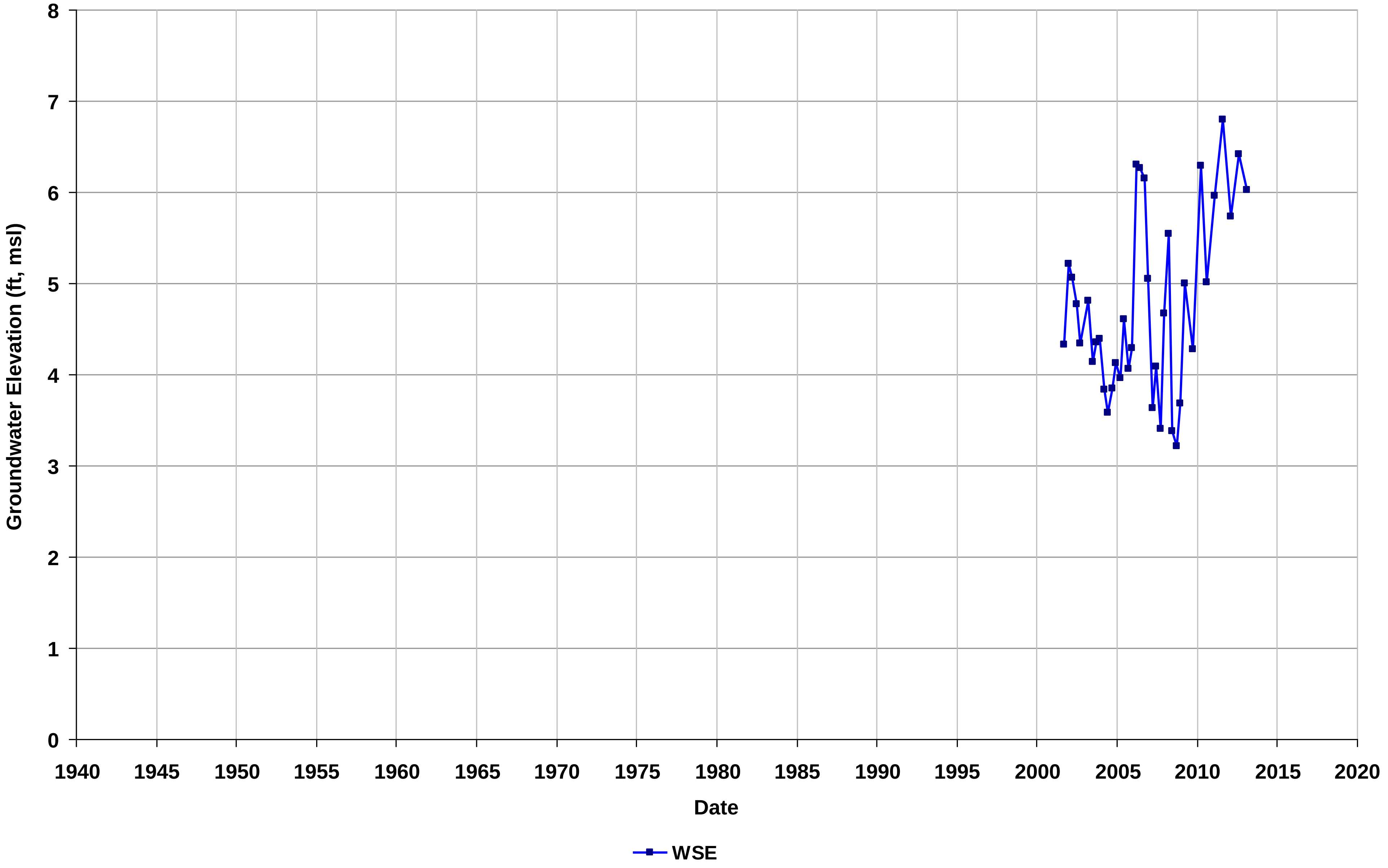
Well Name: T0601300300-MW5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/28
Well Use: Observation



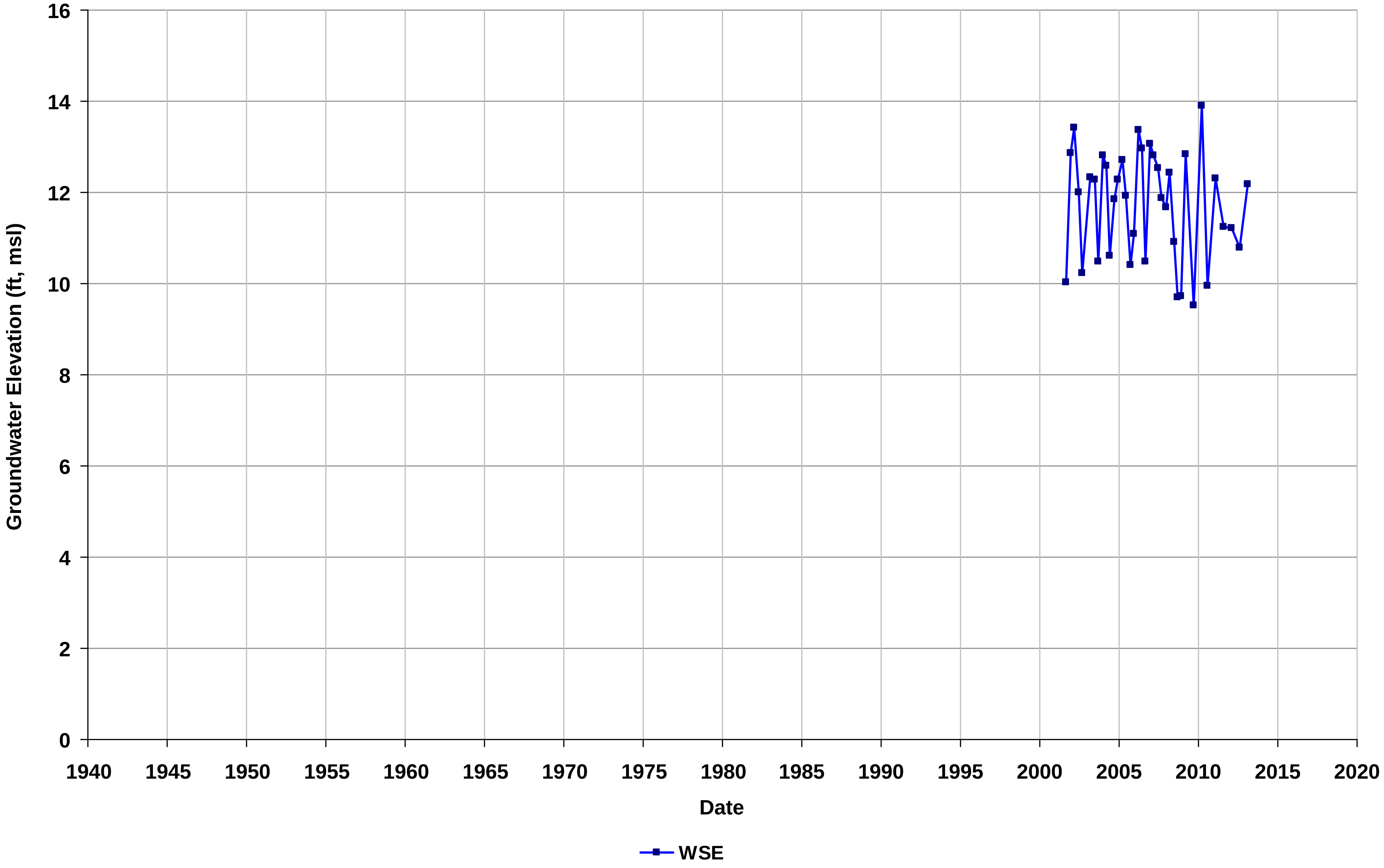
Well Name: T0601300300-MW6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/28
Well Use: Observation



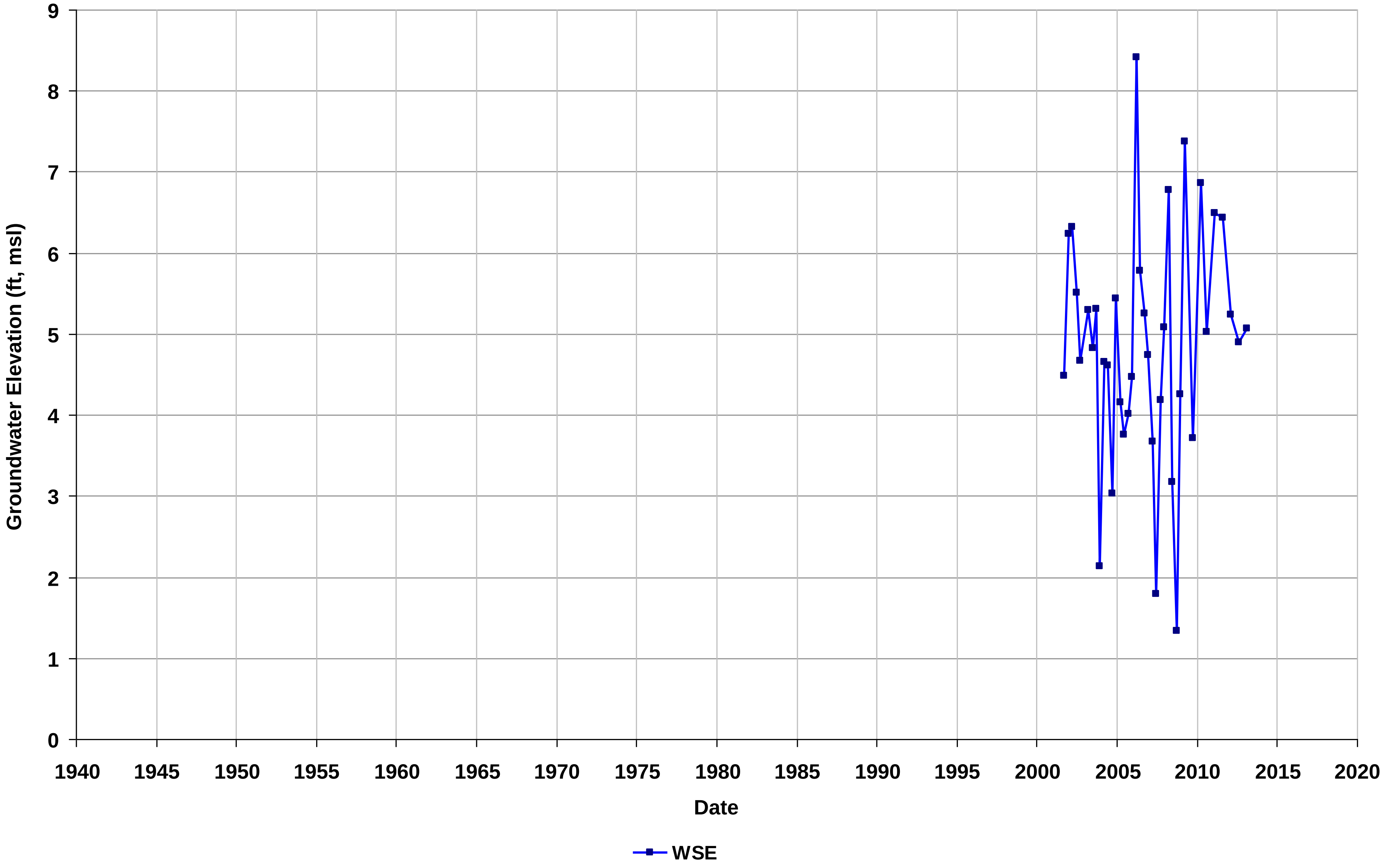
Well Name: T0601300300-MW7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/28
Well Use: Observation



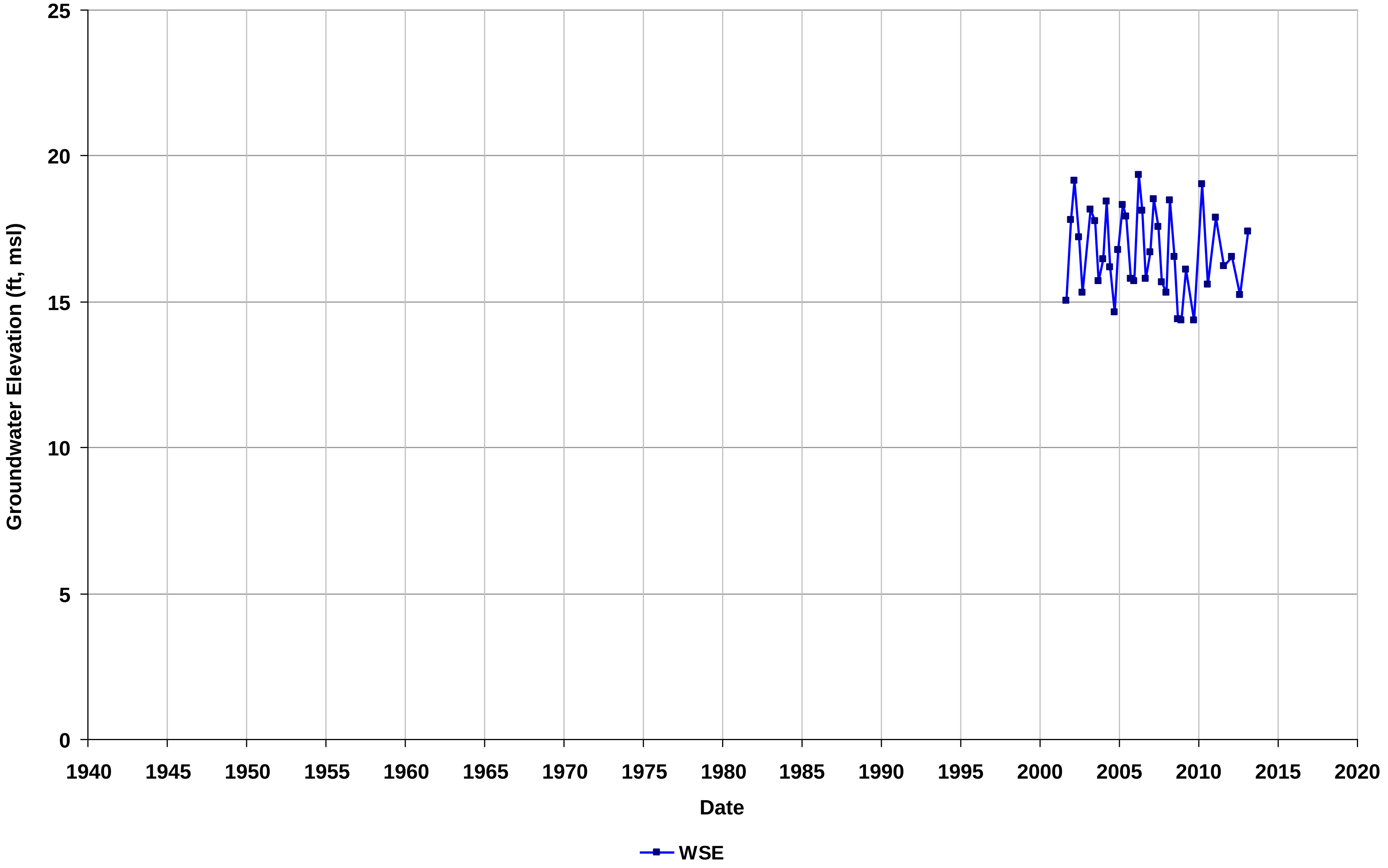
Well Name: T0601300300-MW8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/28
Well Use: Observation



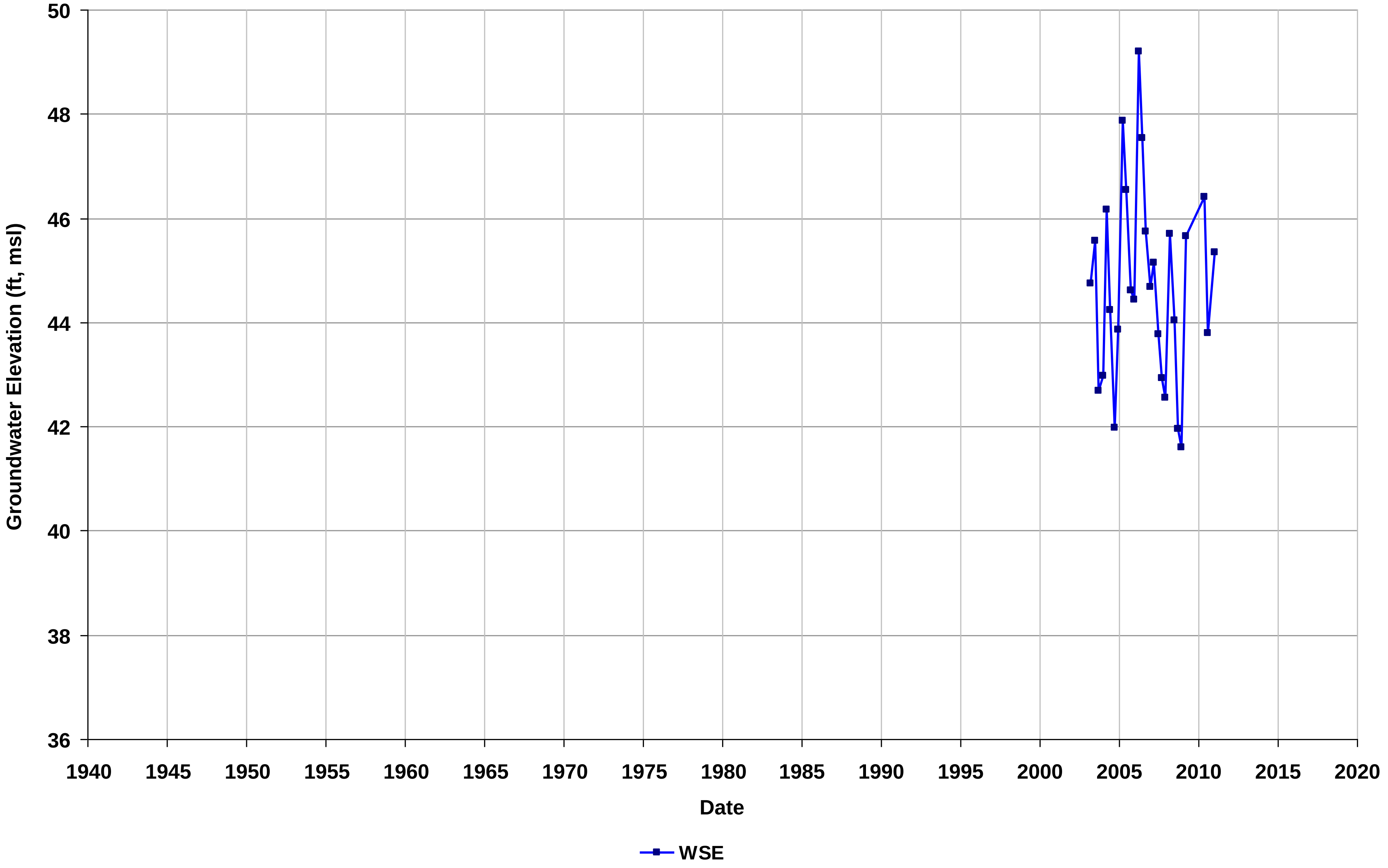
Well Name: T0601300300-MW9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/28
Well Use: Observation



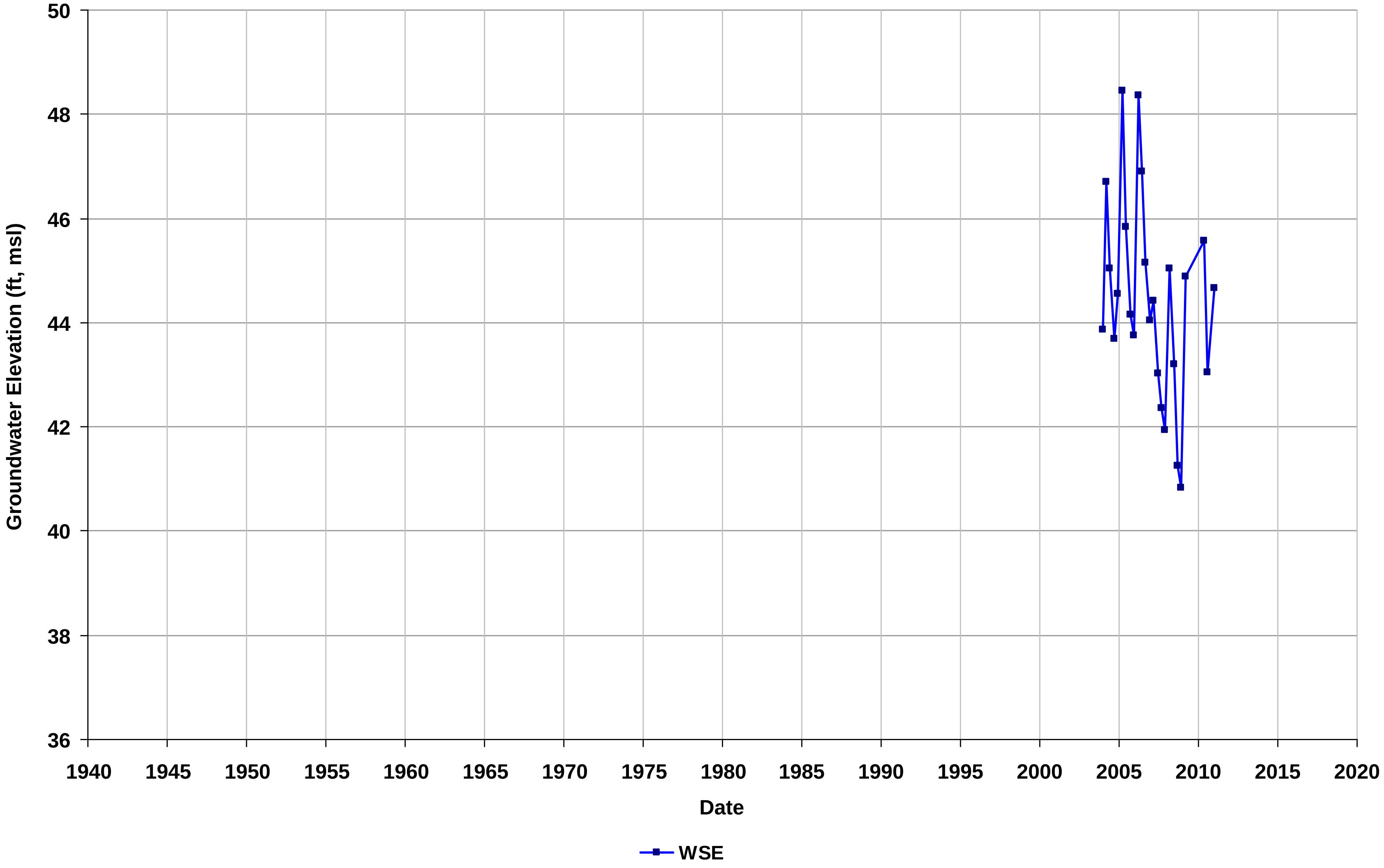
Well Name: T0601300345-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/06
Well Use: Observation



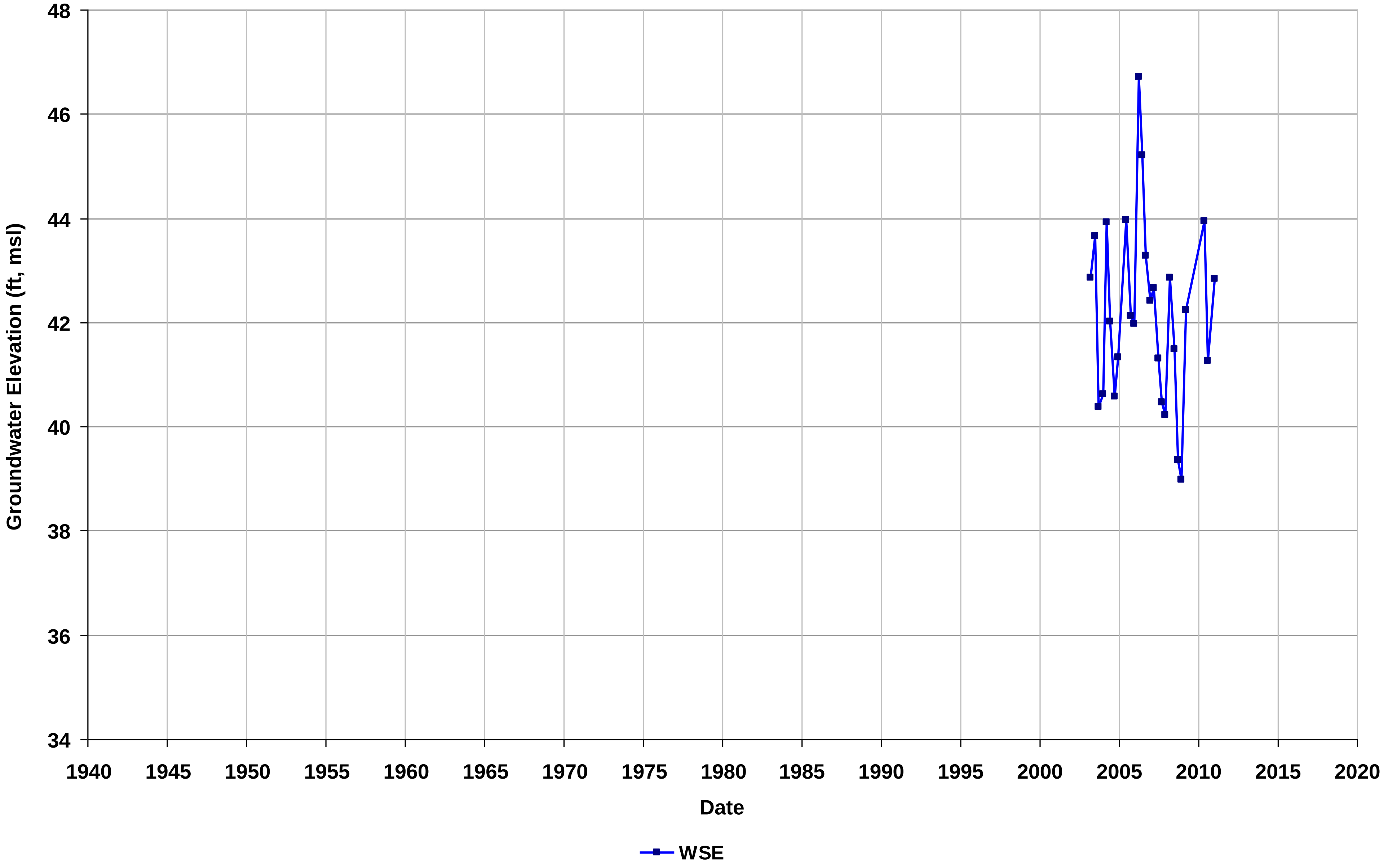
Well Name: T0601300345-MW-10
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/06
Well Use: Observation



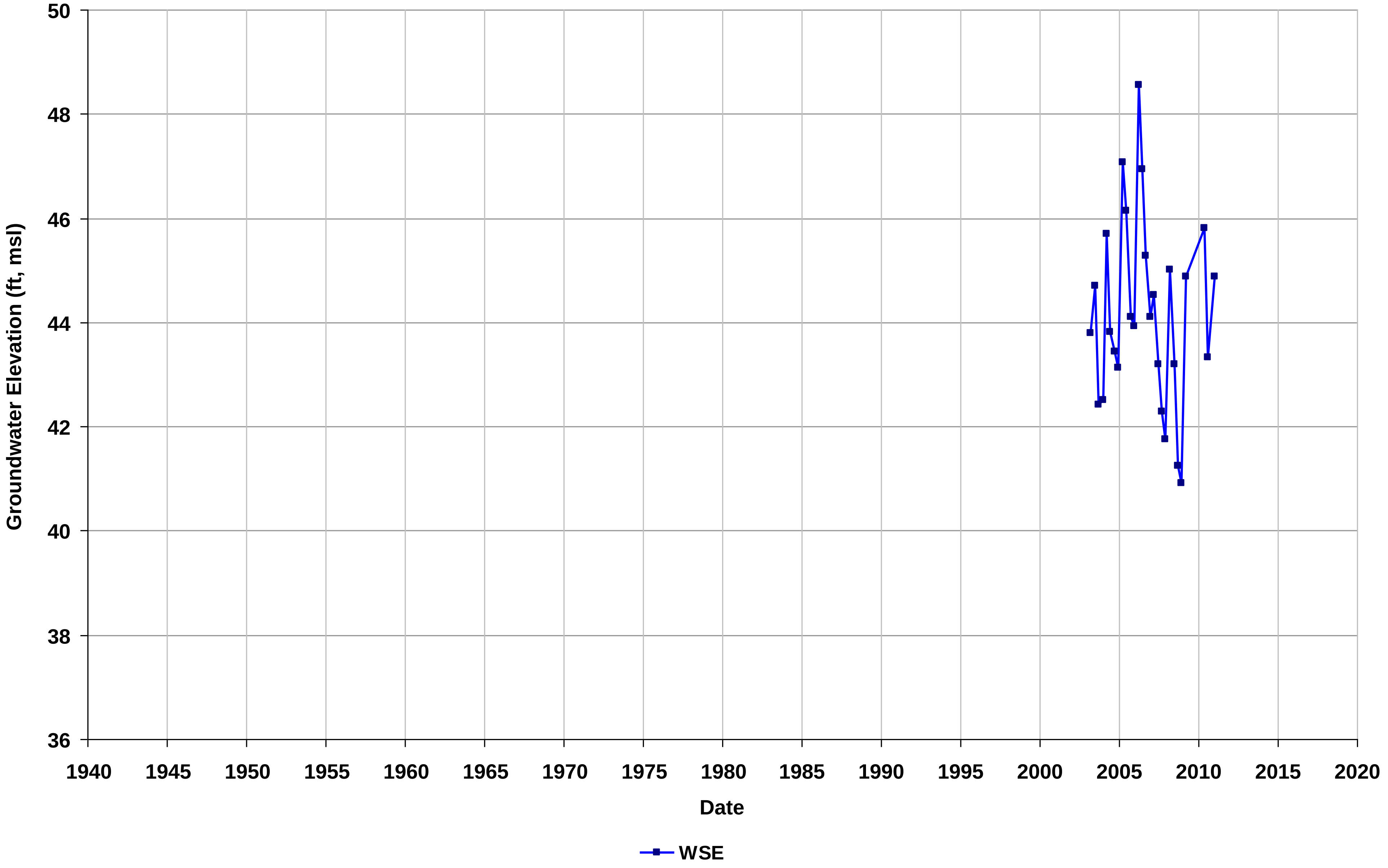
Well Name: T0601300345-MW-11
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/06
Well Use: Observation



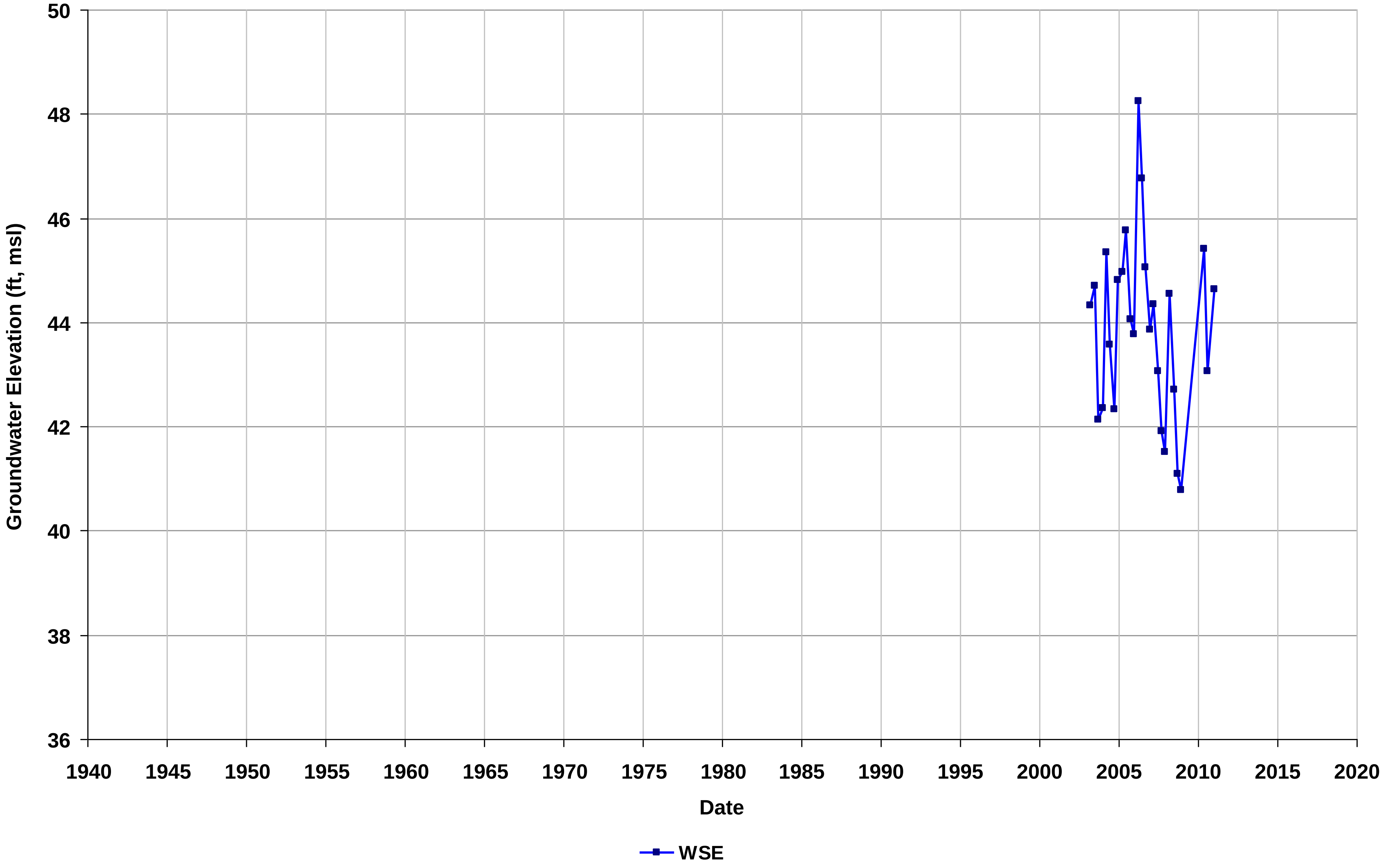
Well Name: T0601300345-MW-12
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/06
Well Use: Observation



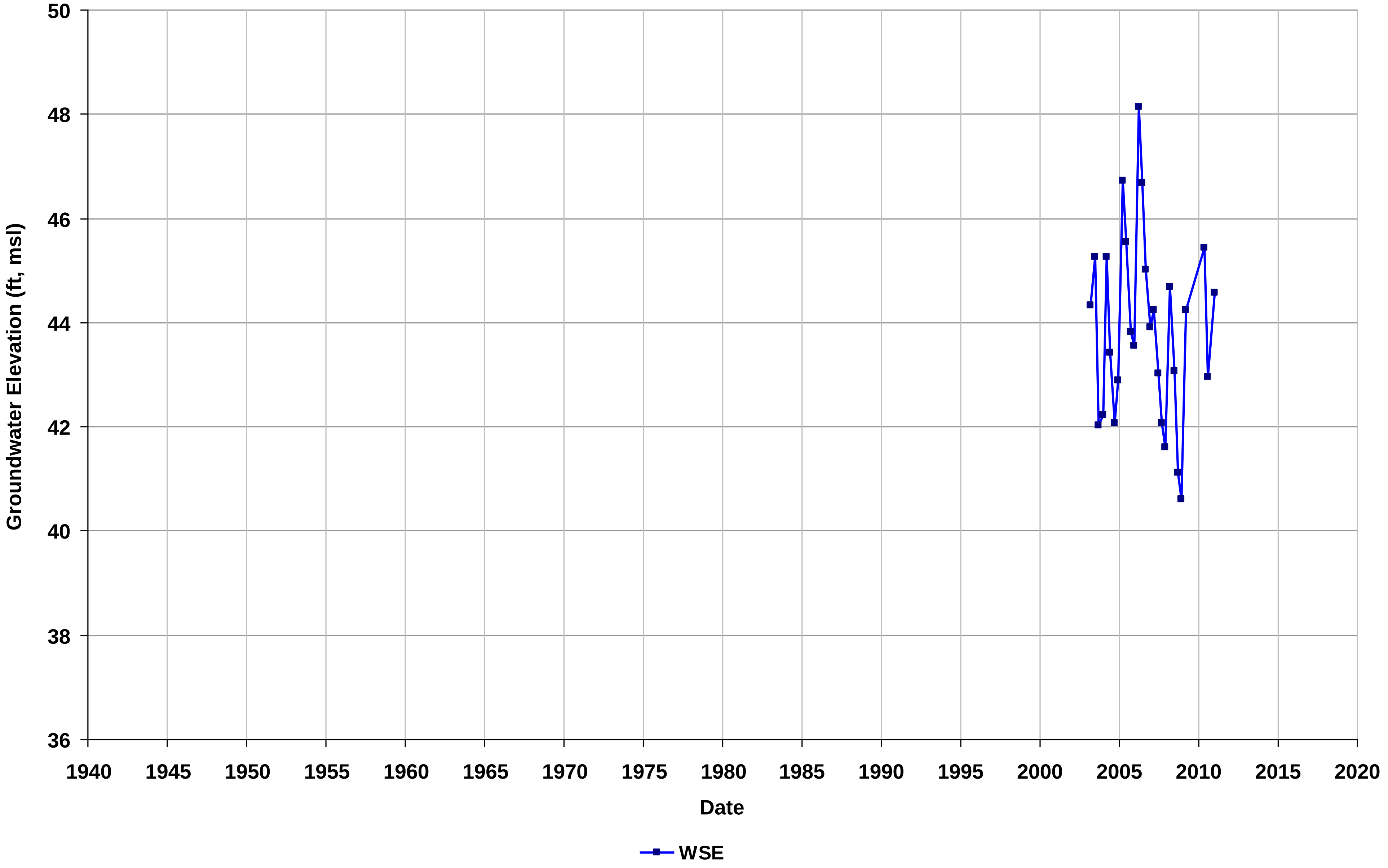
Well Name: T0601300345-MW-13
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/06
Well Use: Observation



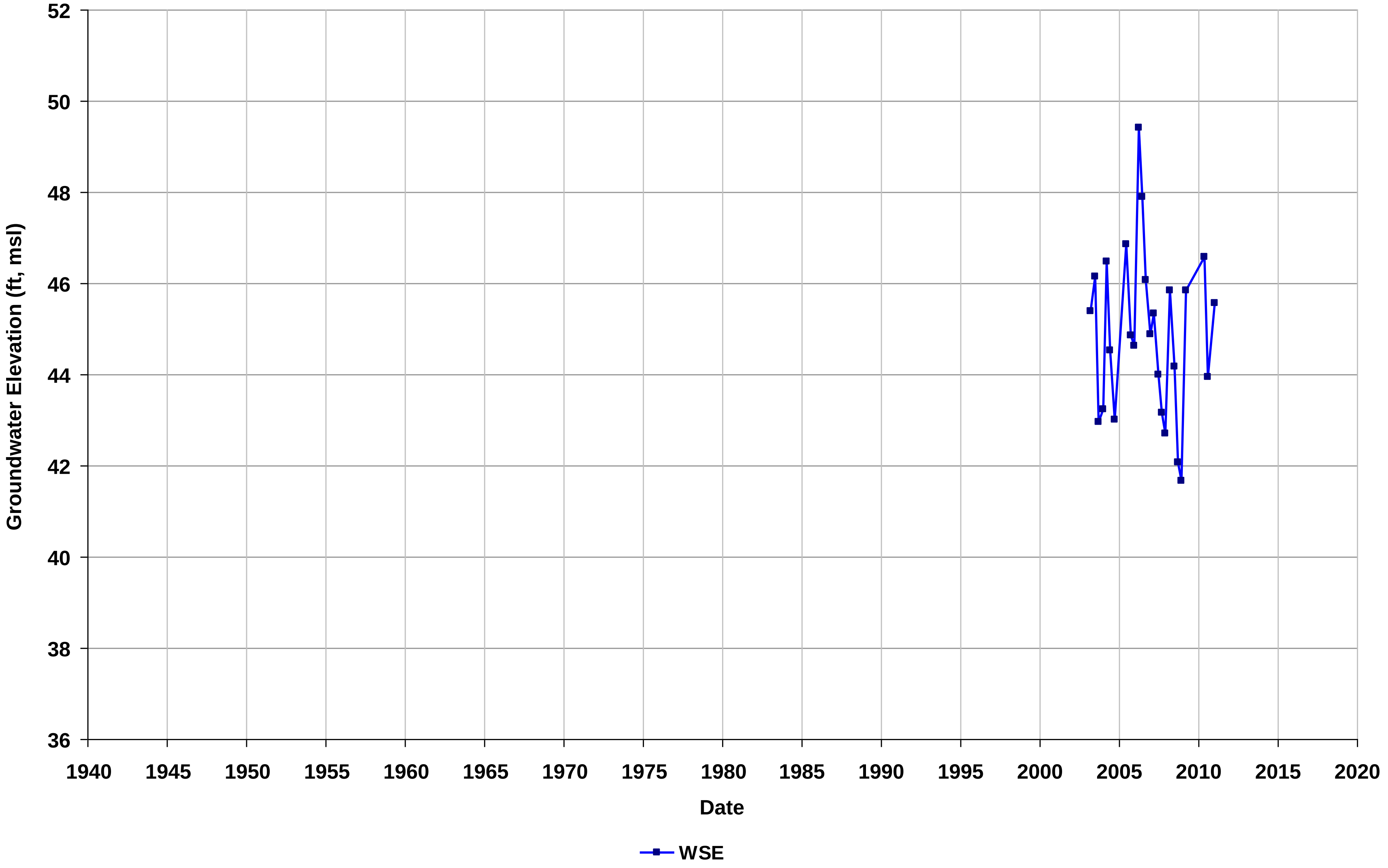
Well Name: T0601300345-MW-14
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/06
Well Use: Observation



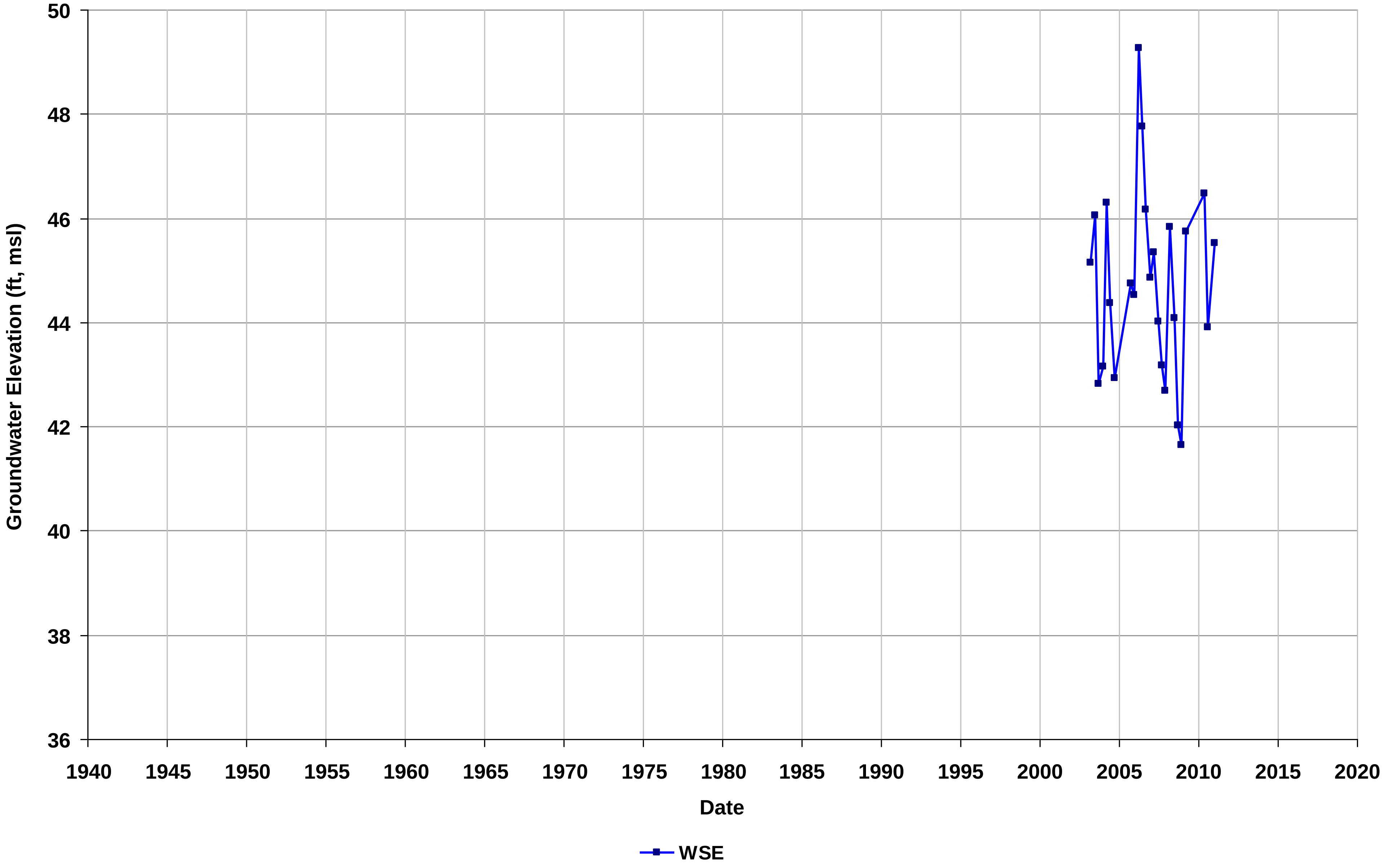
Well Name: T0601300345-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/06
Well Use: Observation



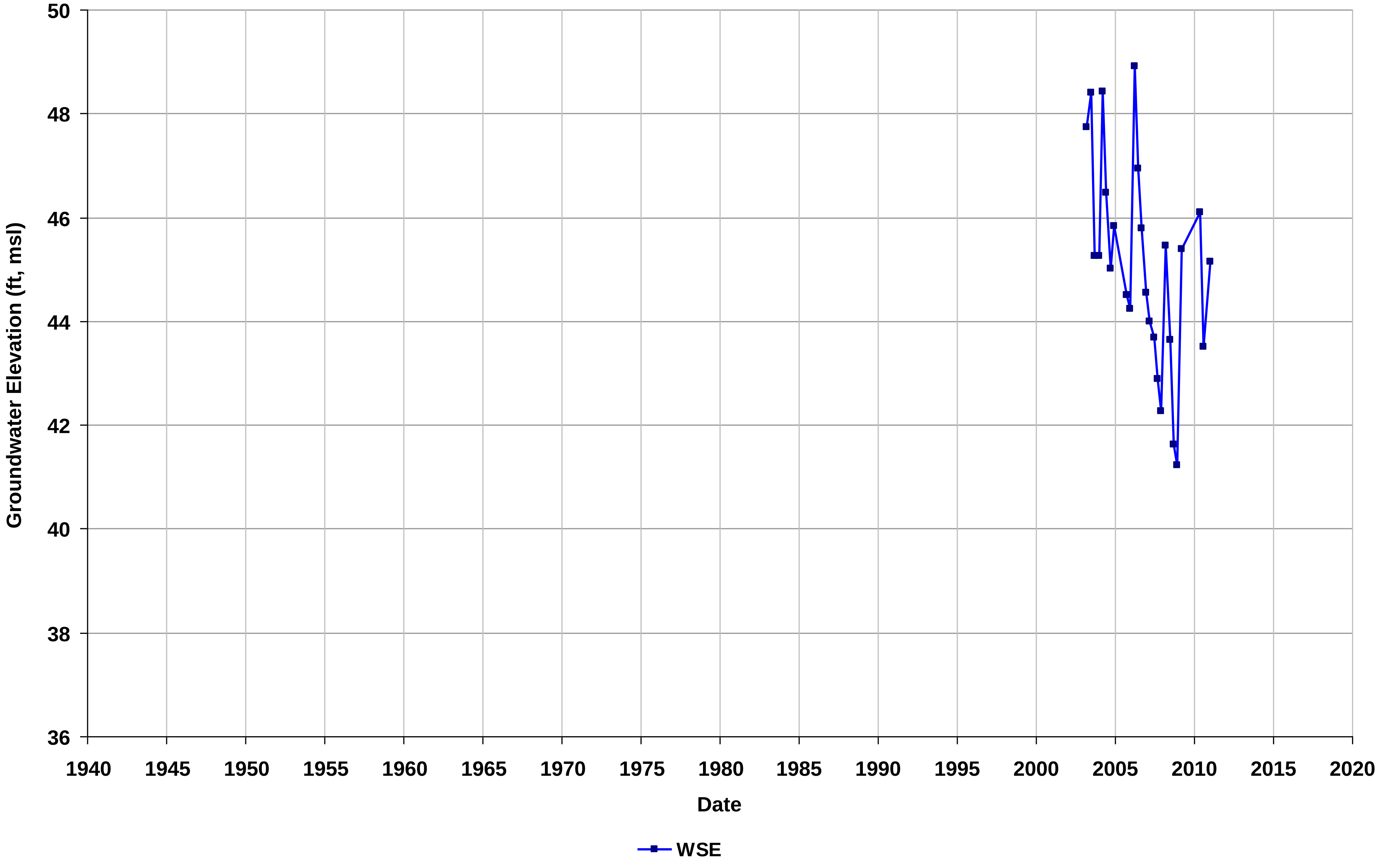
Well Name: T0601300345-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/06
Well Use: Observation



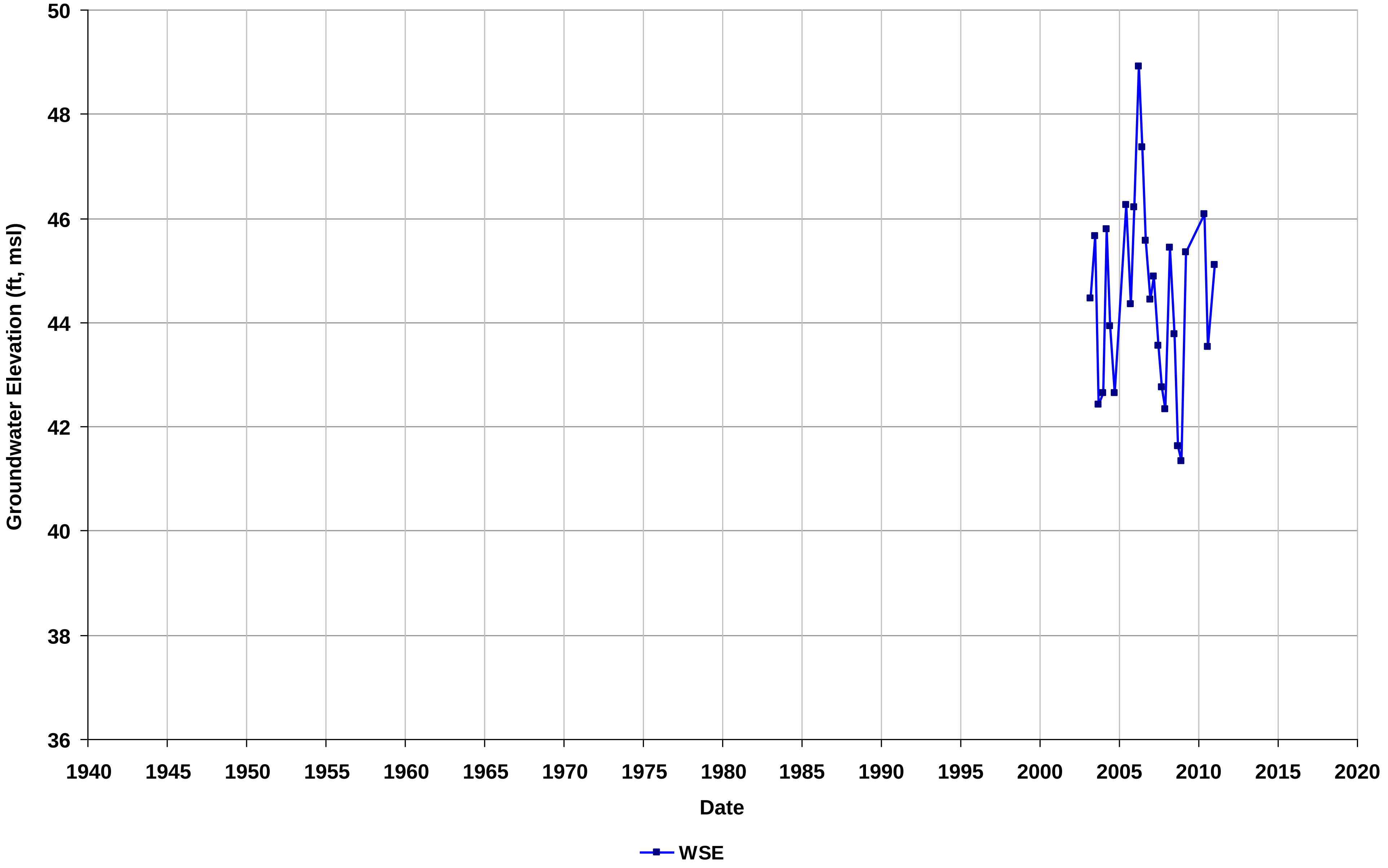
Well Name: T0601300345-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/06
Well Use: Observation



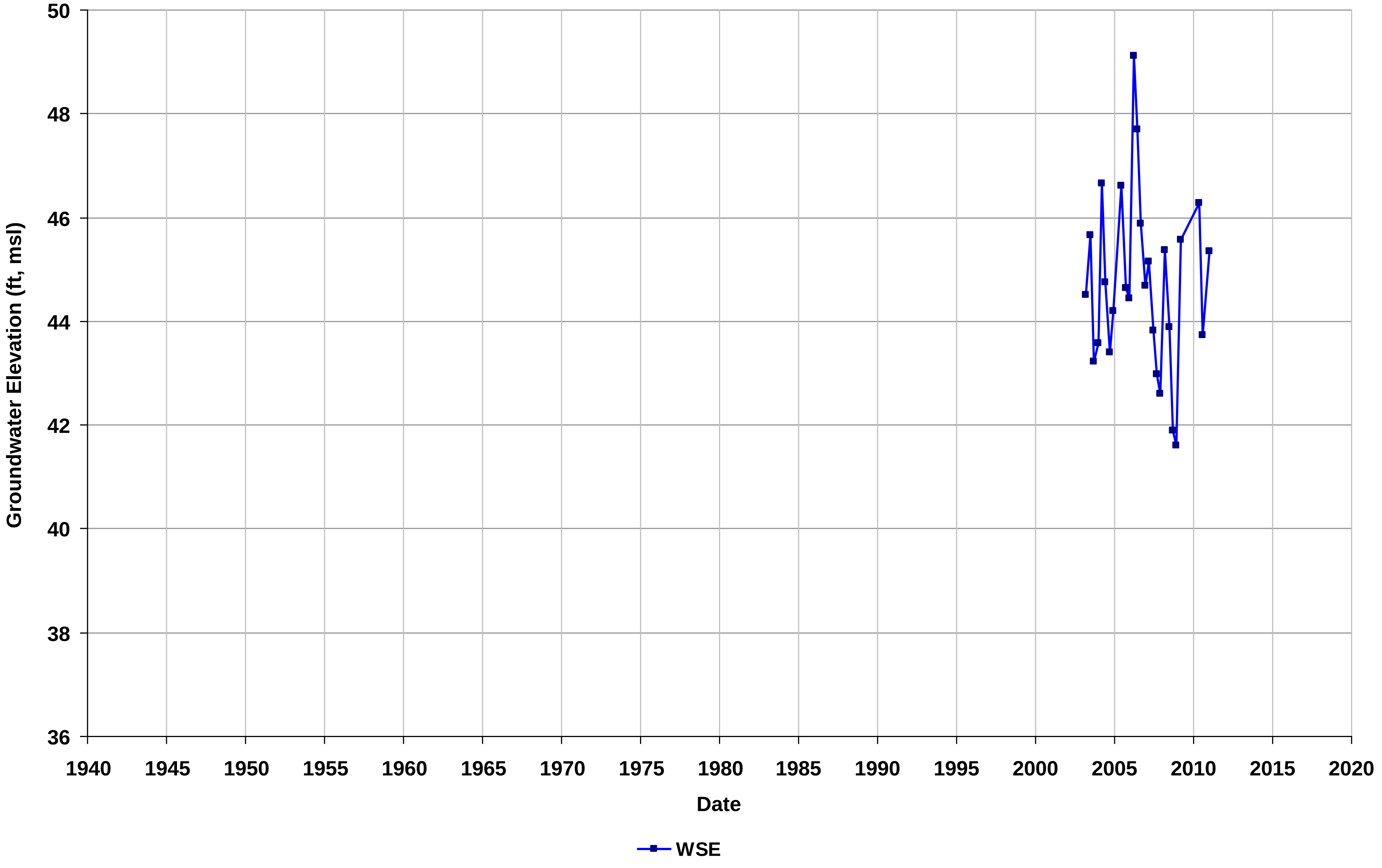
Well Name: T0601300345-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/06
Well Use: Observation



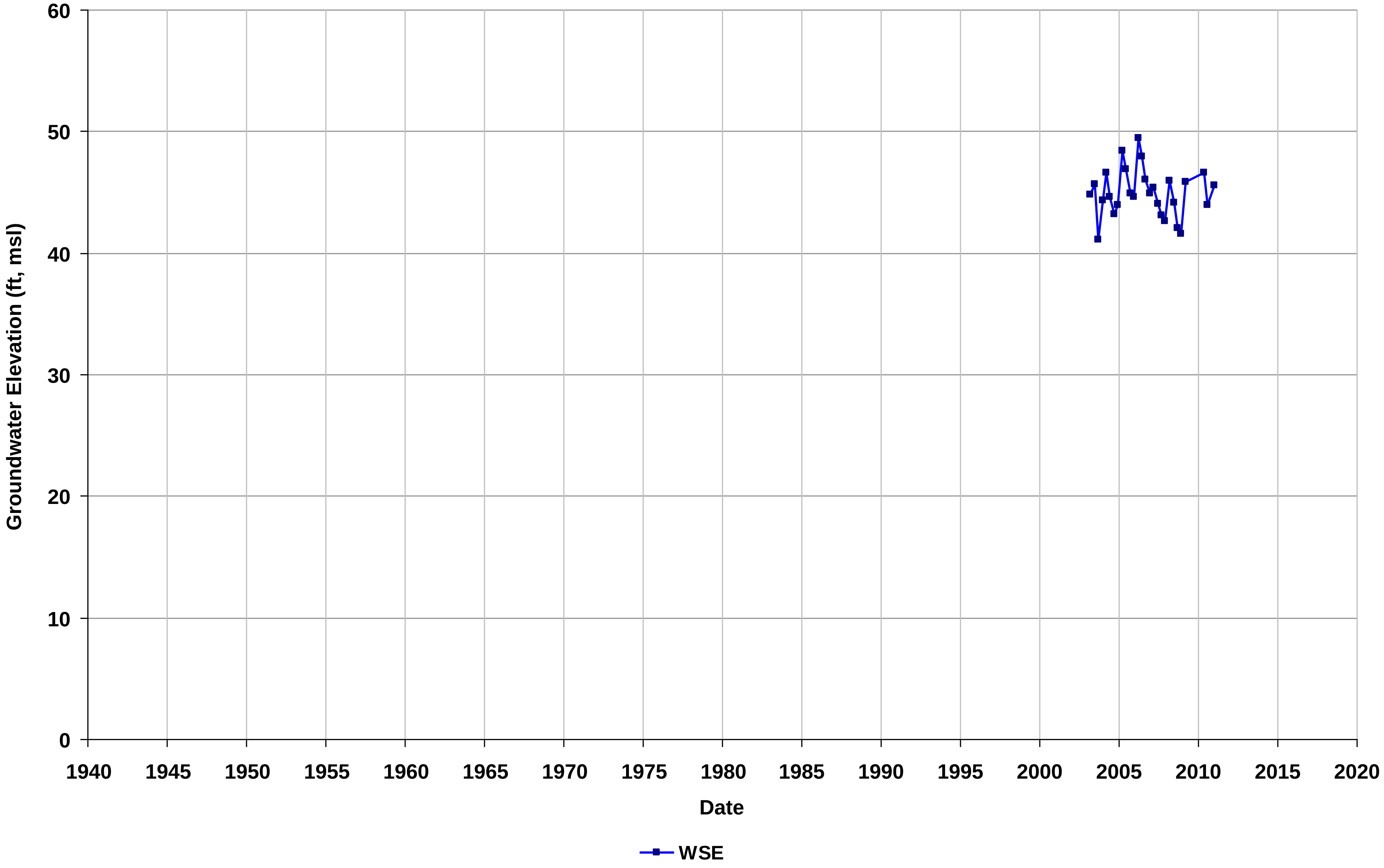
Well Name: T0601300345-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/06
Well Use: Observation



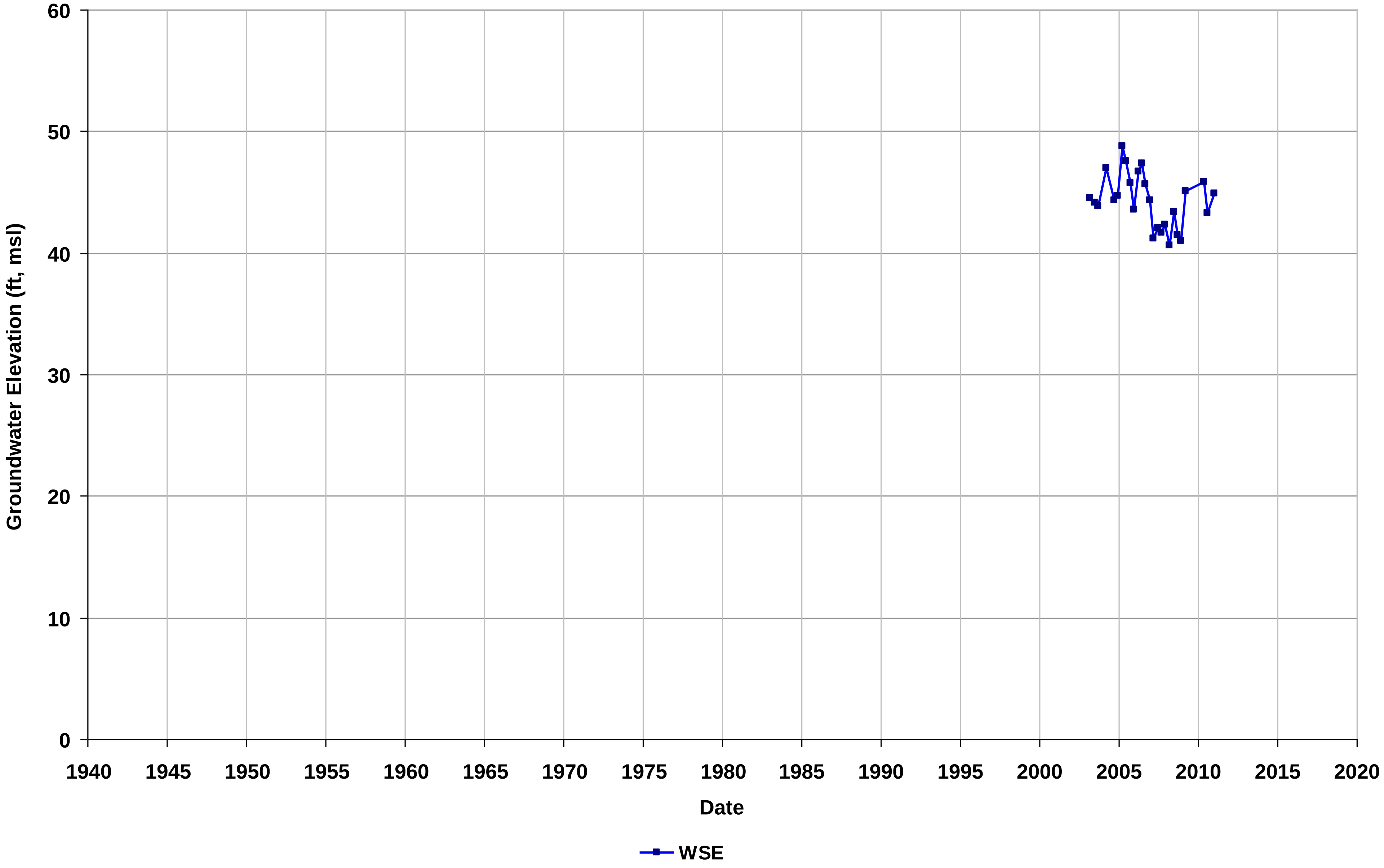
Well Name: T0601300345-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/06
Well Use: Observation



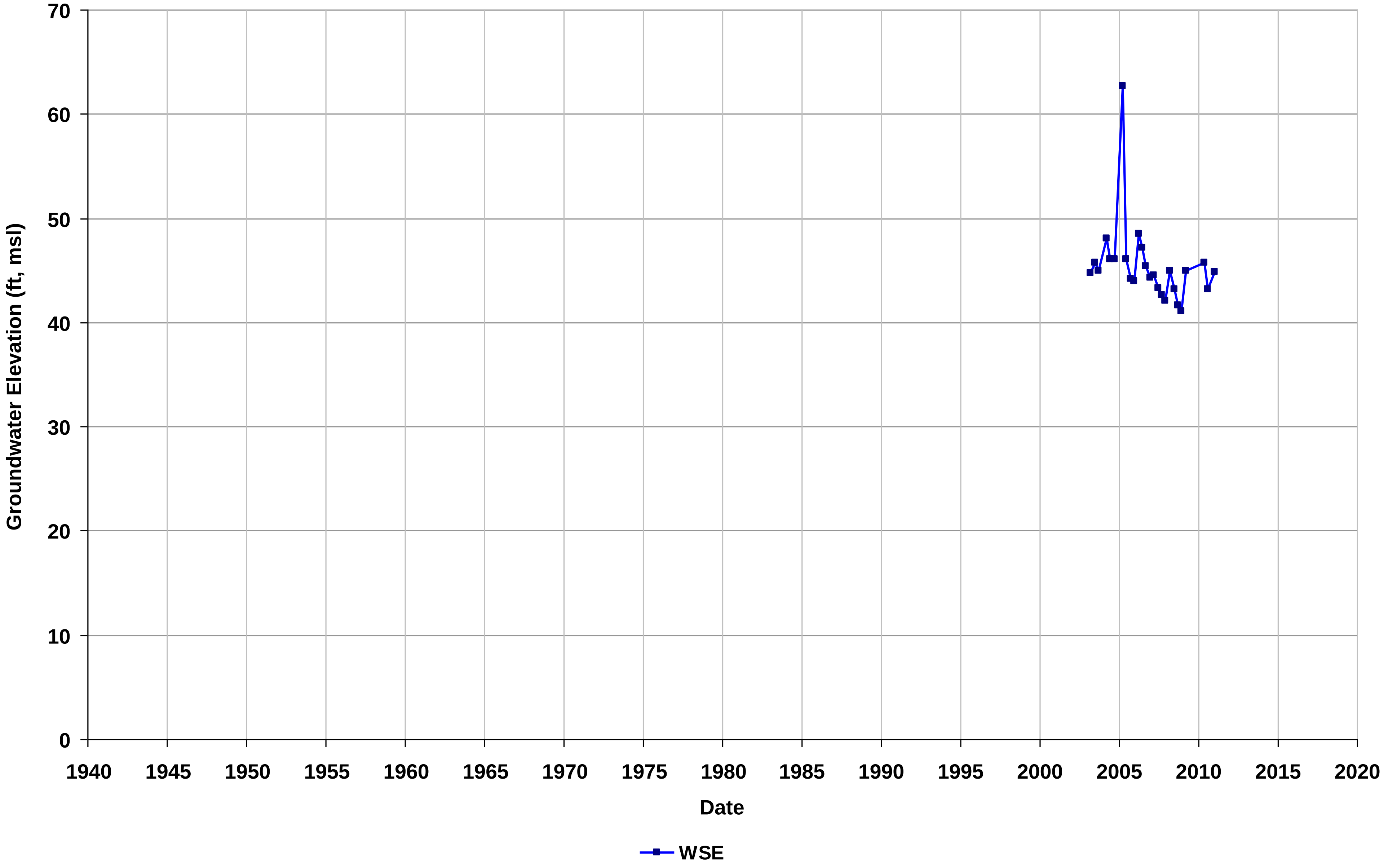
Well Name: T0601300345-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/06
Well Use: Observation



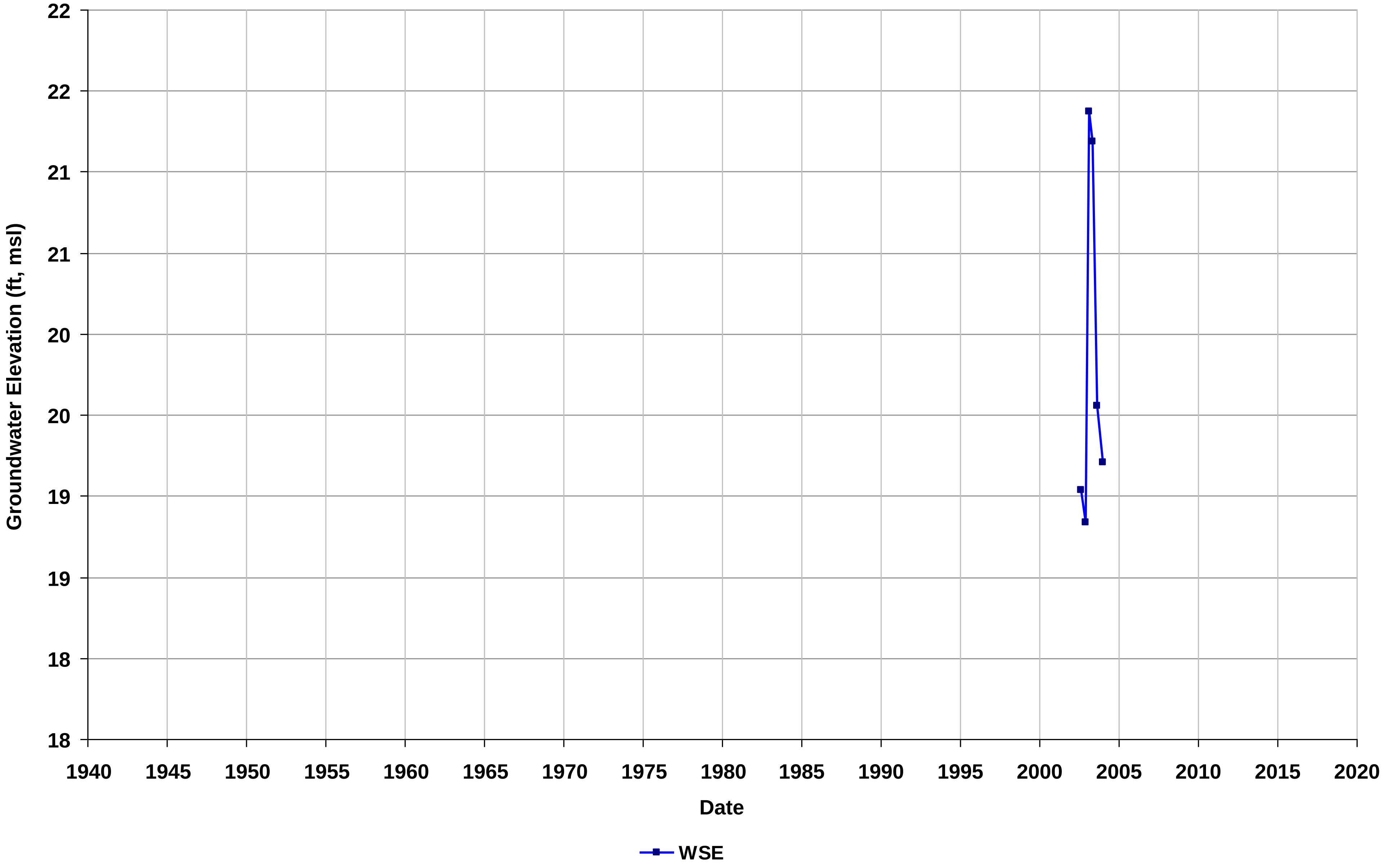
Well Name: T0601300345-MW-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/06
Well Use: Observation



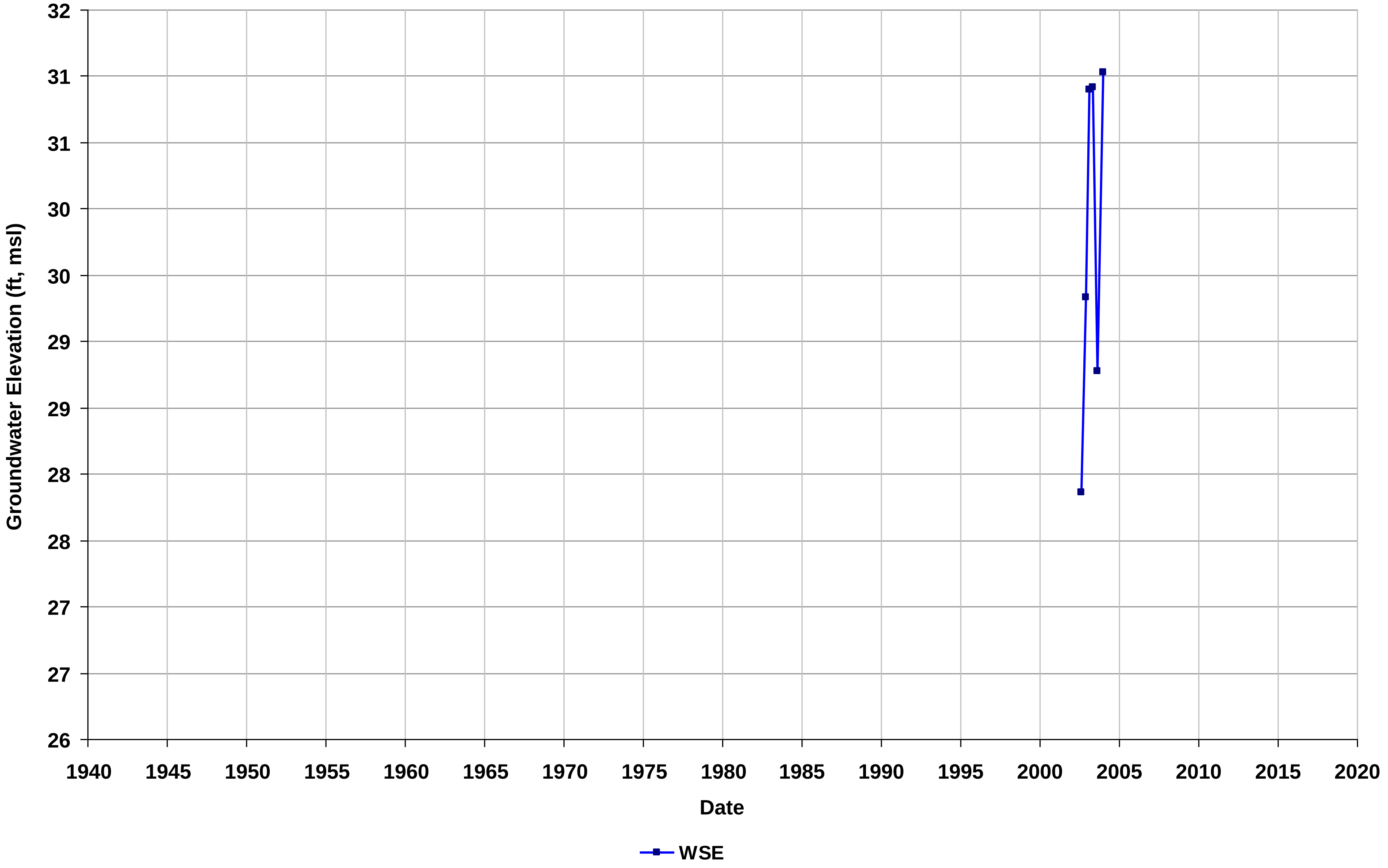
Well Name: T0601300350-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



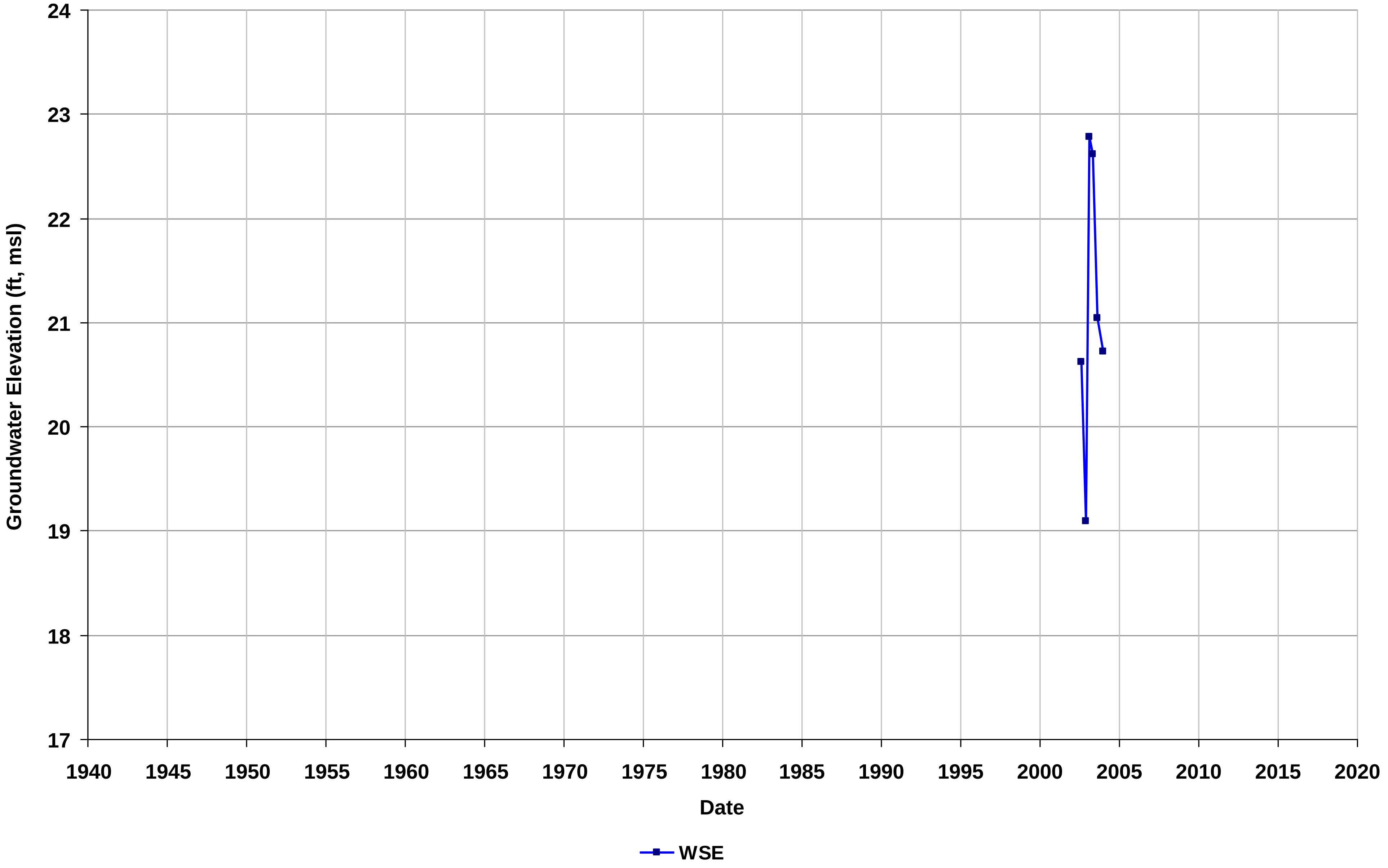
Well Name: T0601300350-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



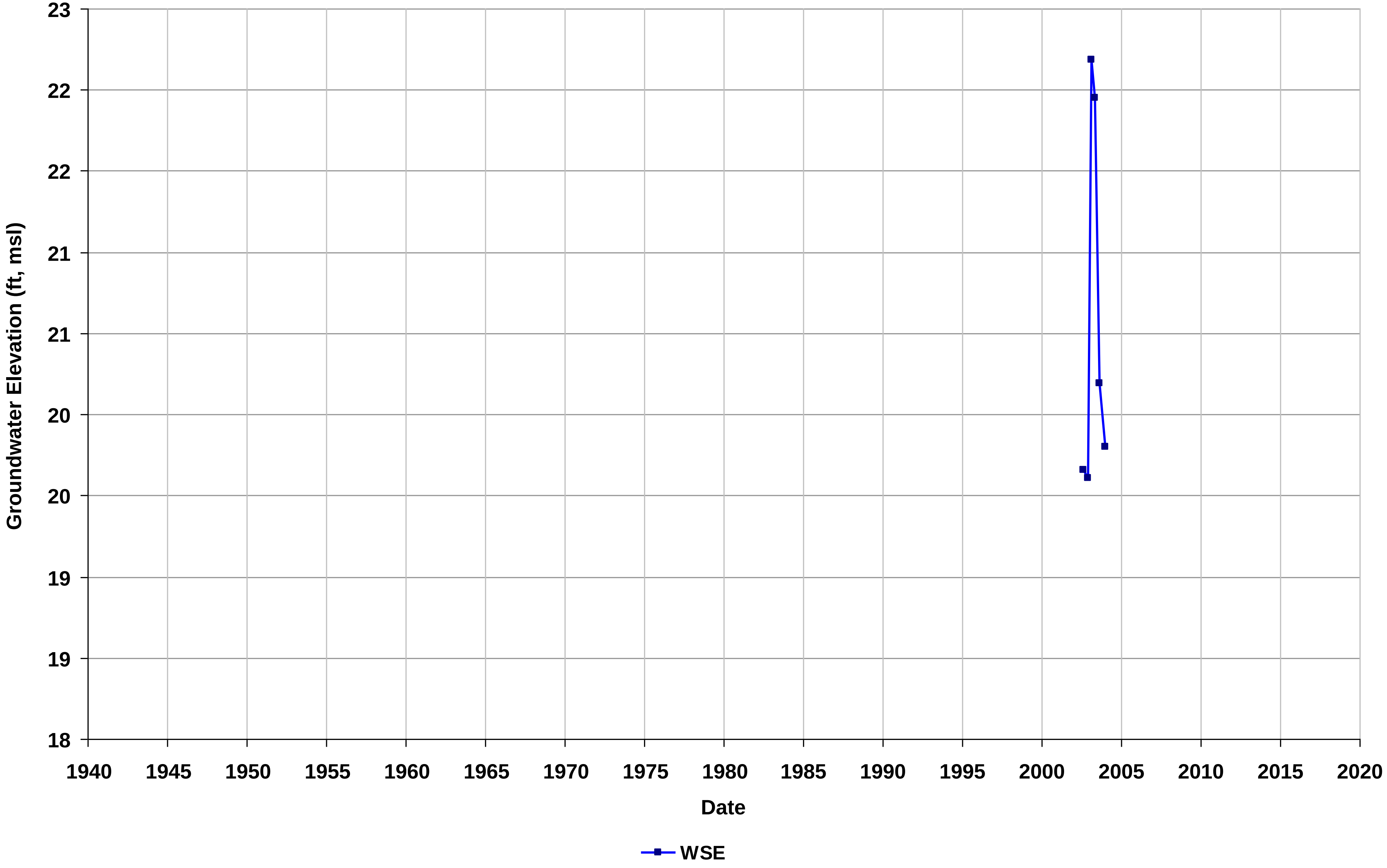
Well Name: T0601300350-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



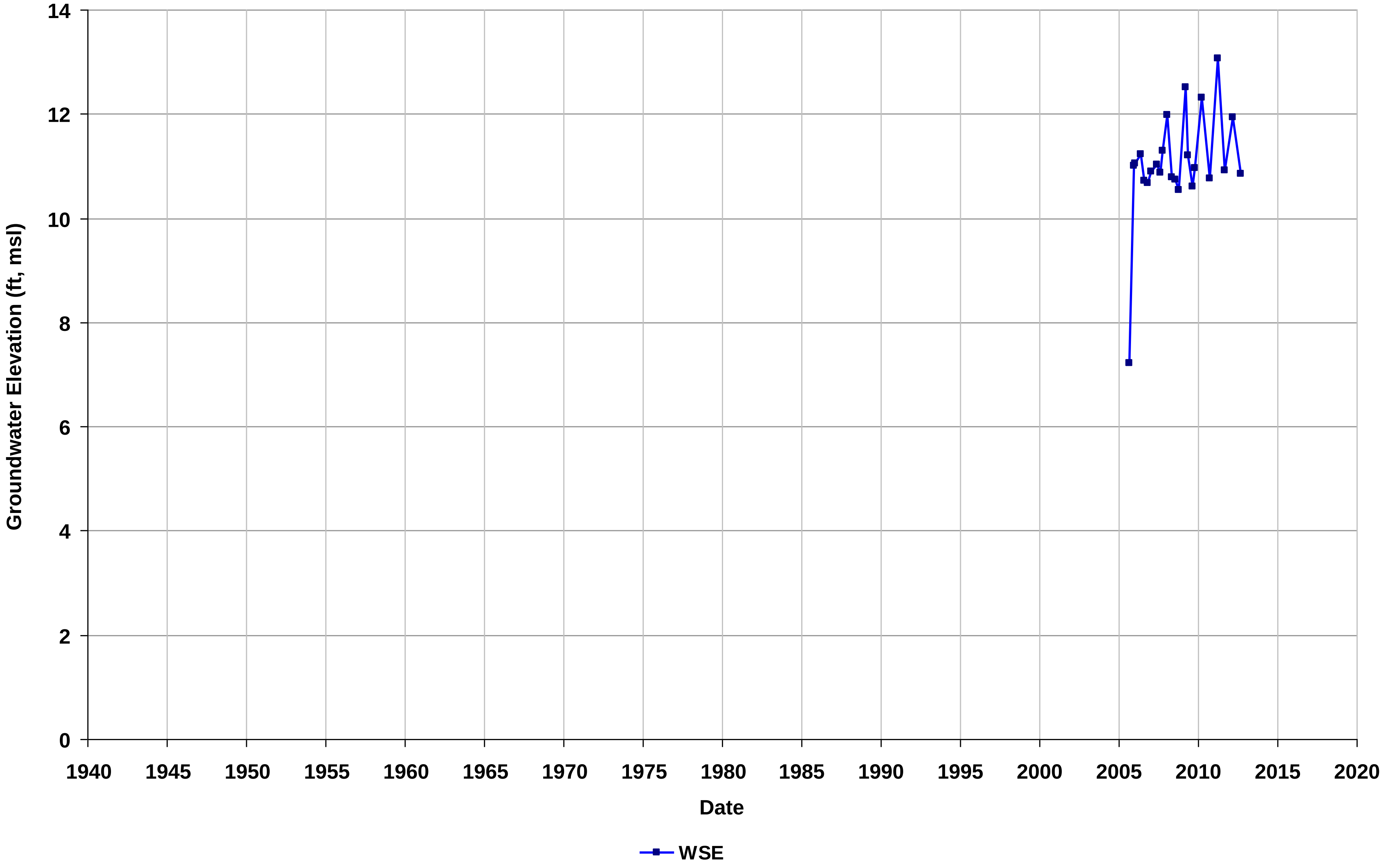
Well Name: T0601300350-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



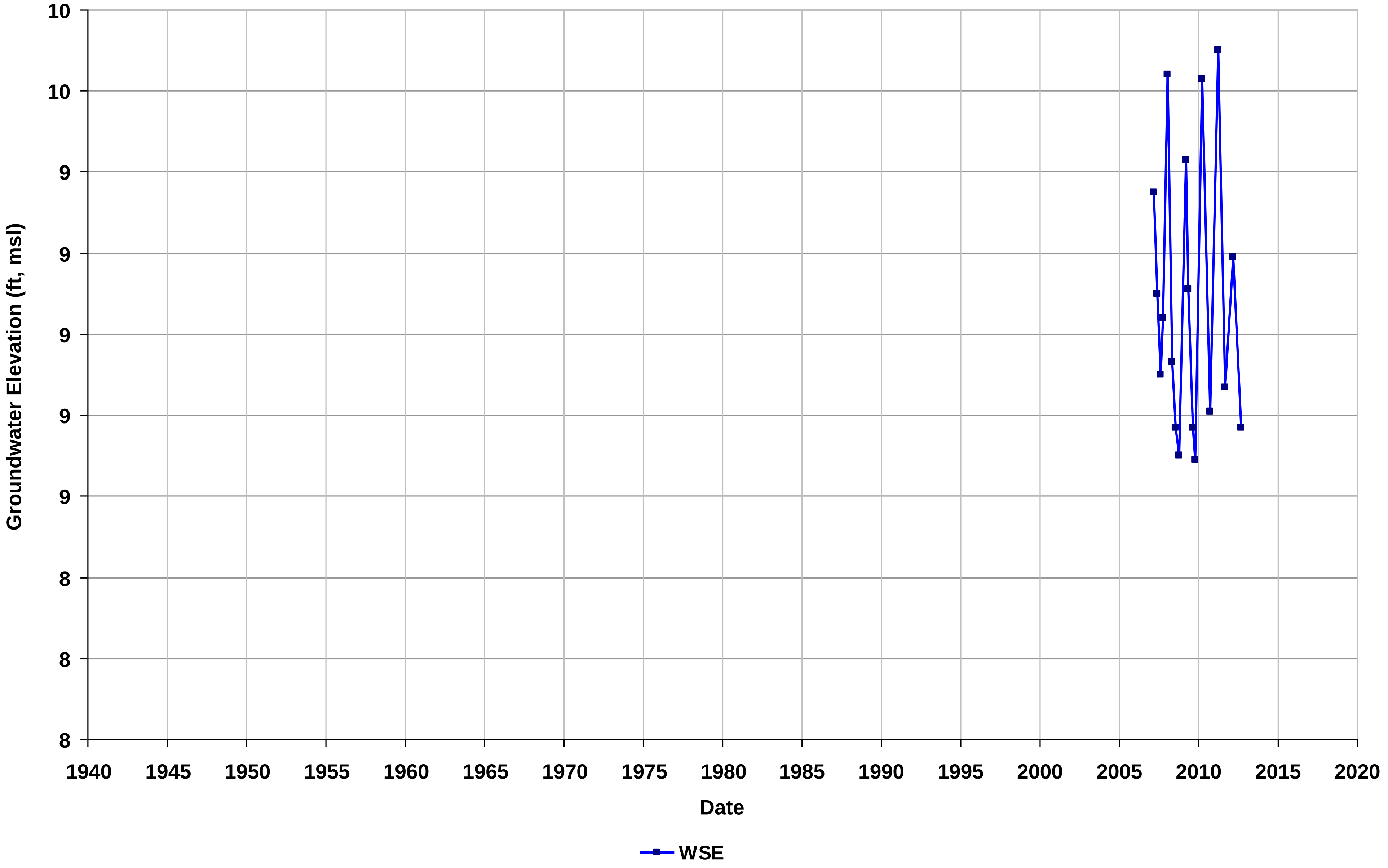
Well Name: T0601300483-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/20
Well Use: Observation



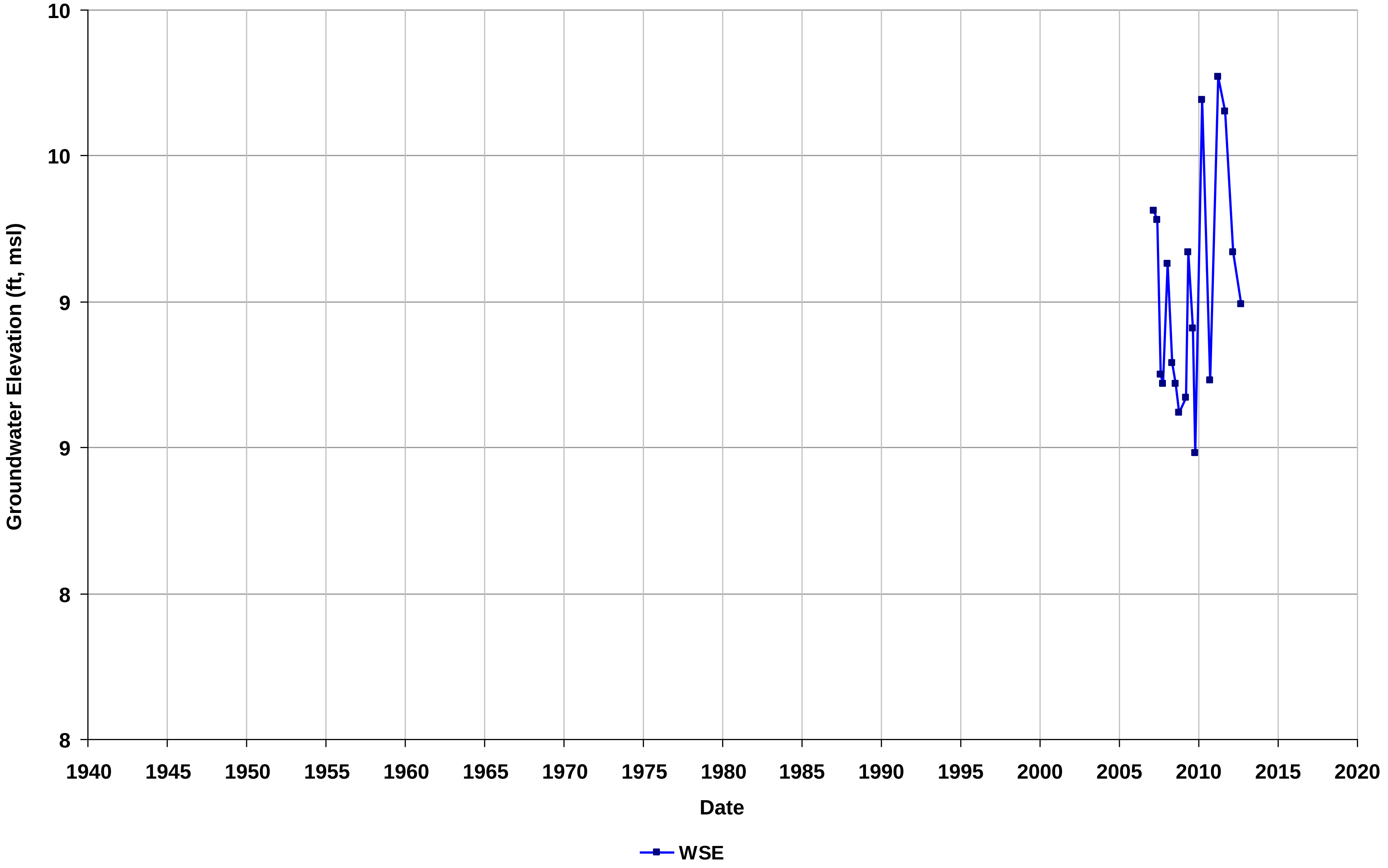
Well Name: T0601300483-MW-10
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/20
Well Use: Observation



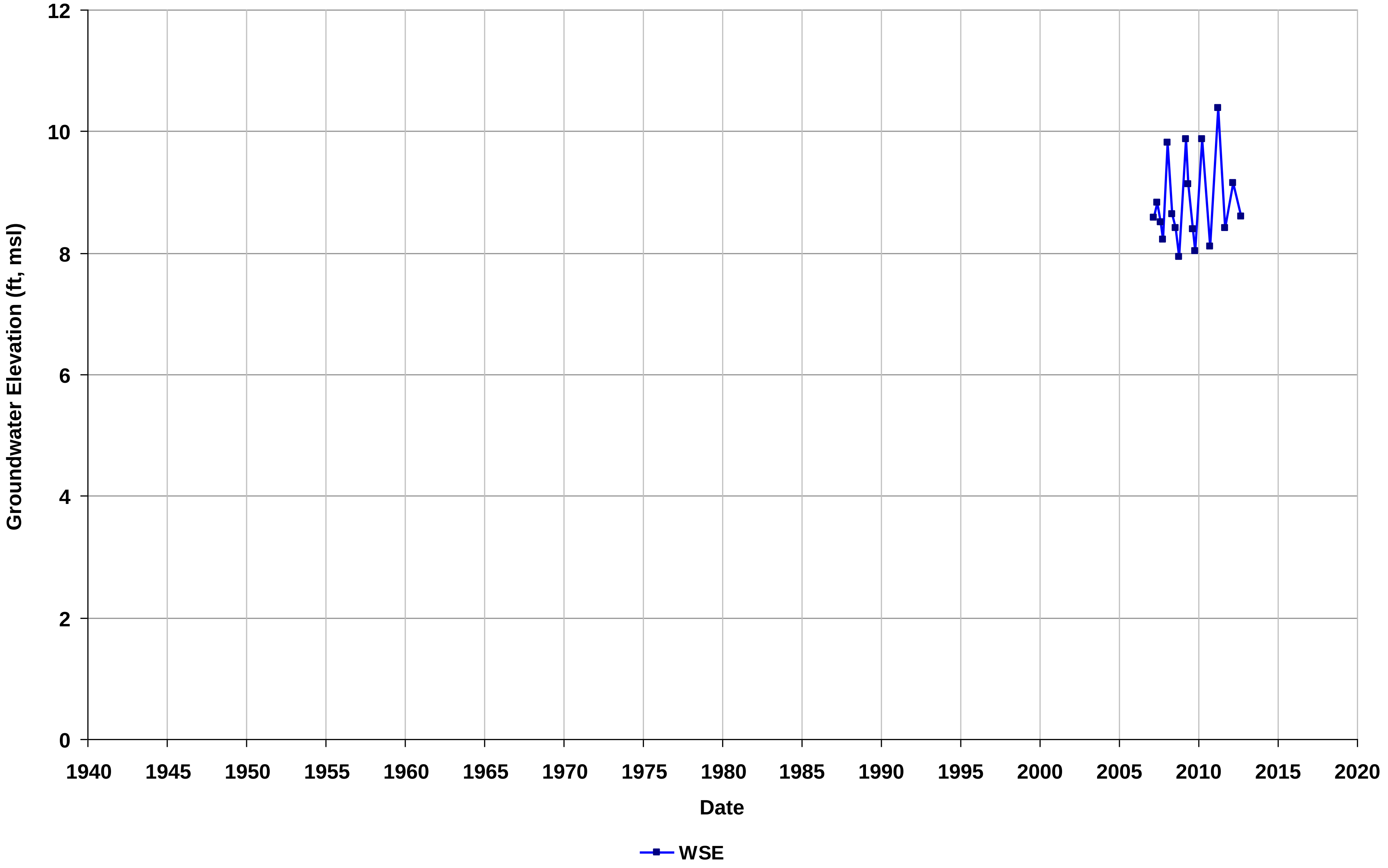
Well Name: T0601300483-MW-11
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/20
Well Use: Observation



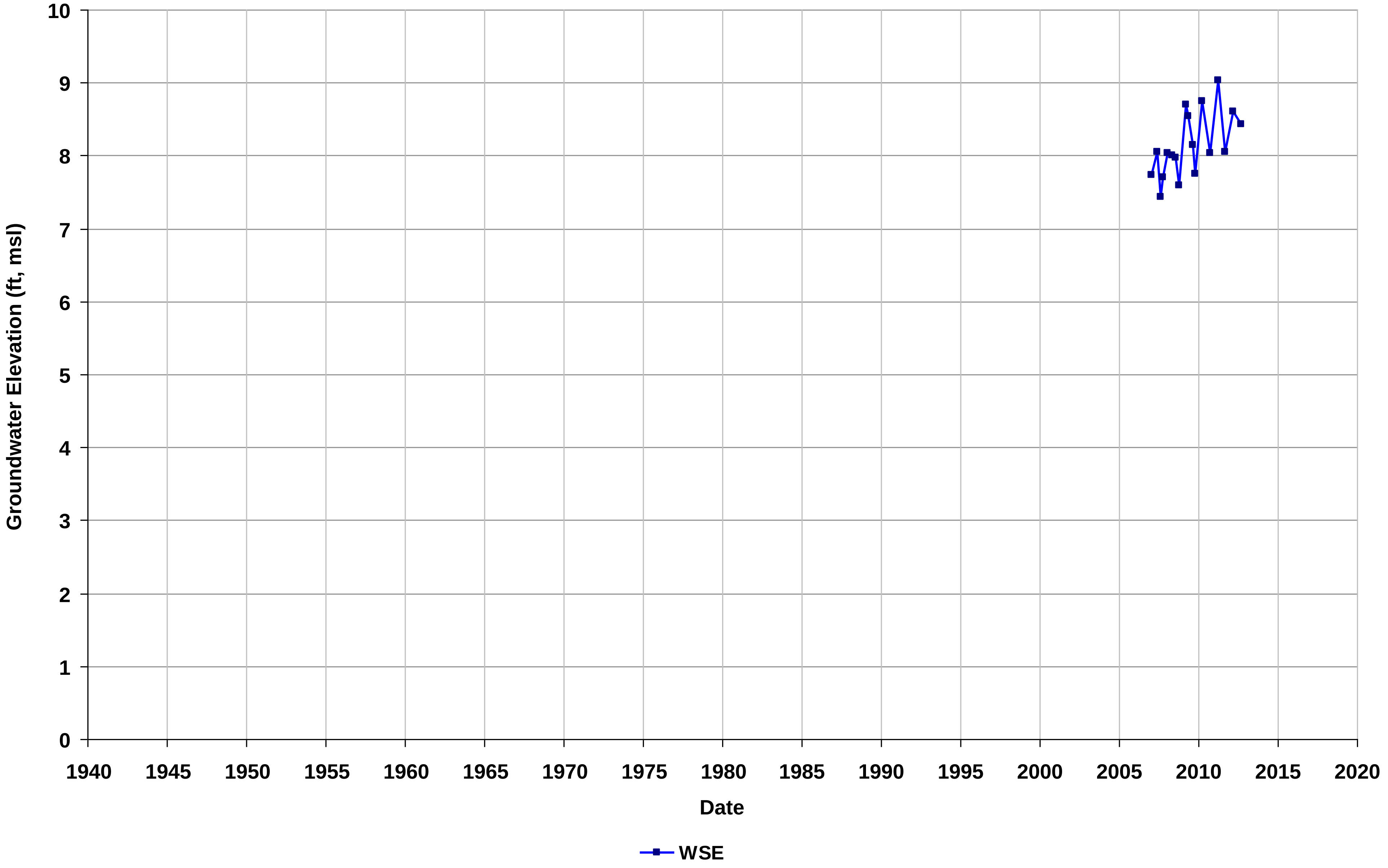
Well Name: T0601300483-MW-12
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/29
Well Use: Observation



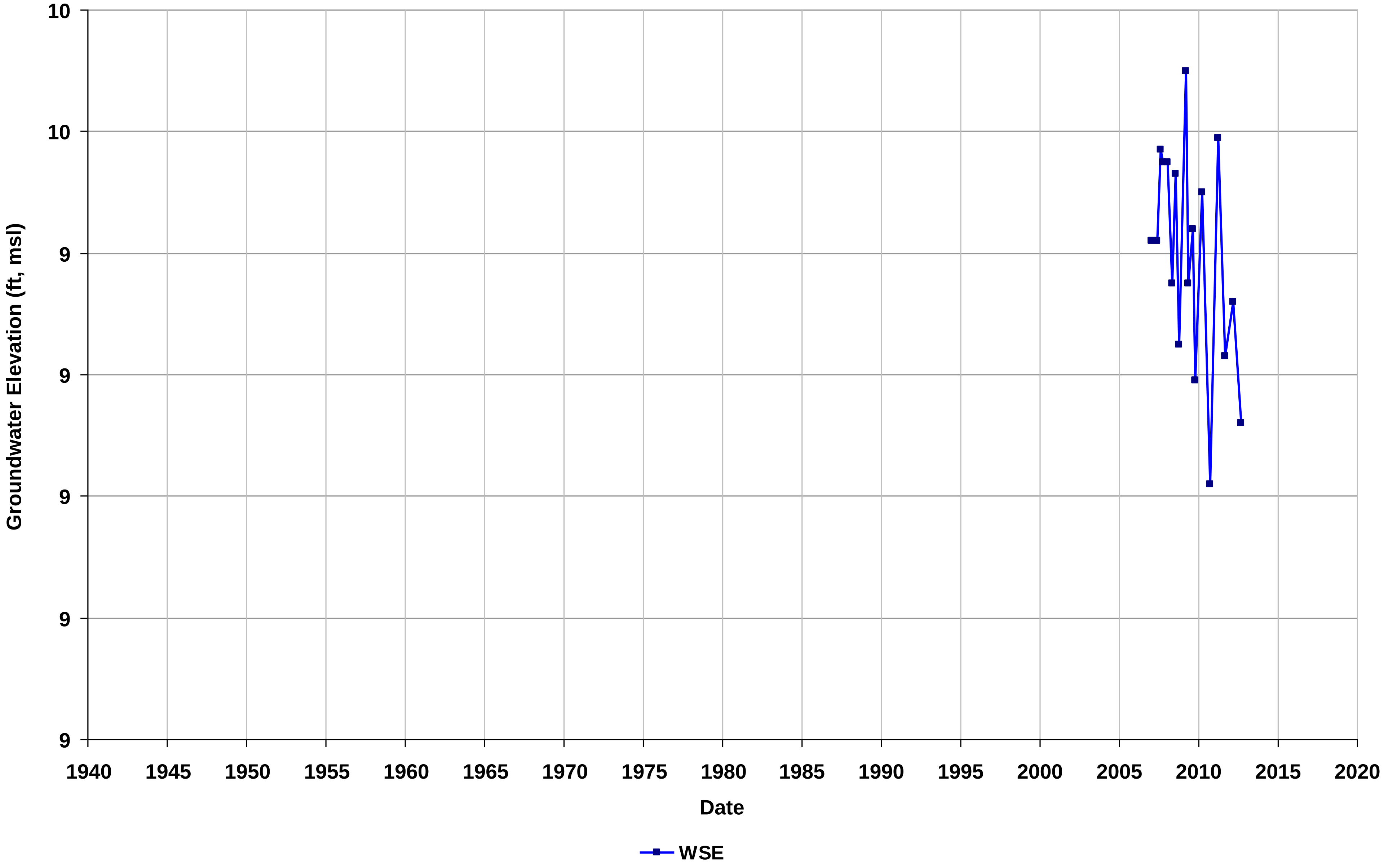
Well Name: T0601300483-MW-13
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/29
Well Use: Observation



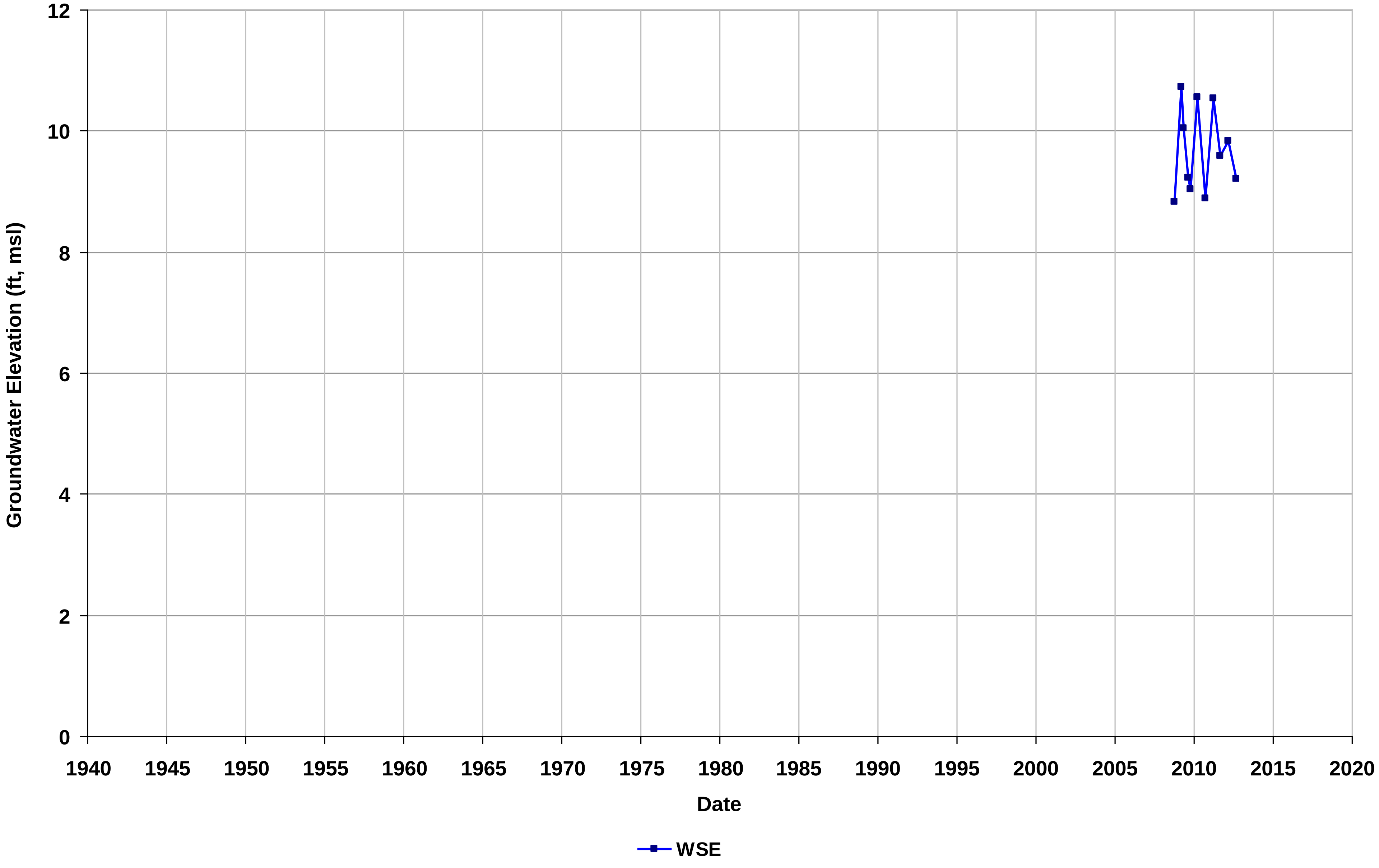
Well Name: T0601300483-MW-14
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/20
Well Use: Observation



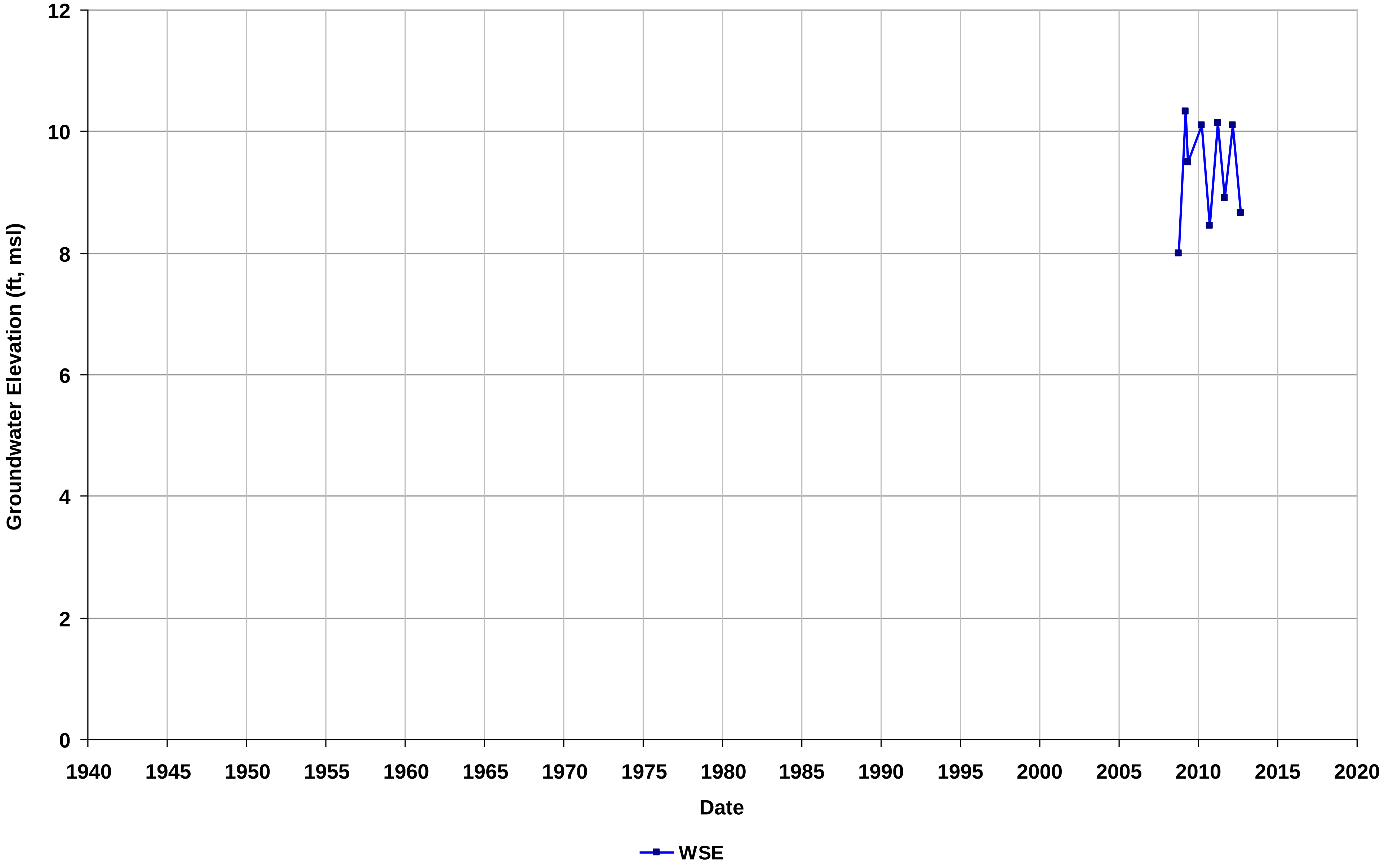
Well Name: T0601300483-MW-15
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/20
Well Use: Observation



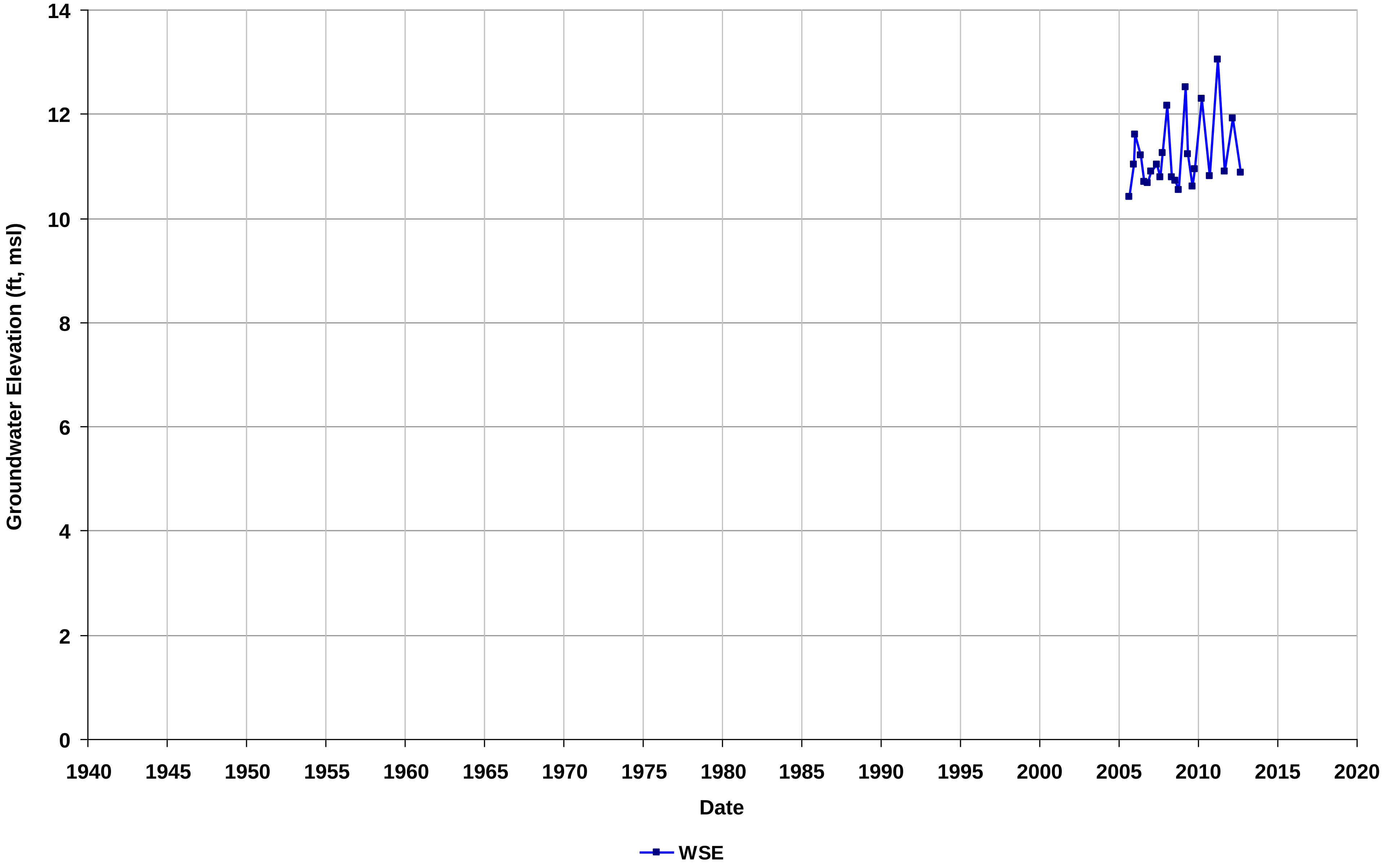
Well Name: T0601300483-MW-16
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/20
Well Use: Observation



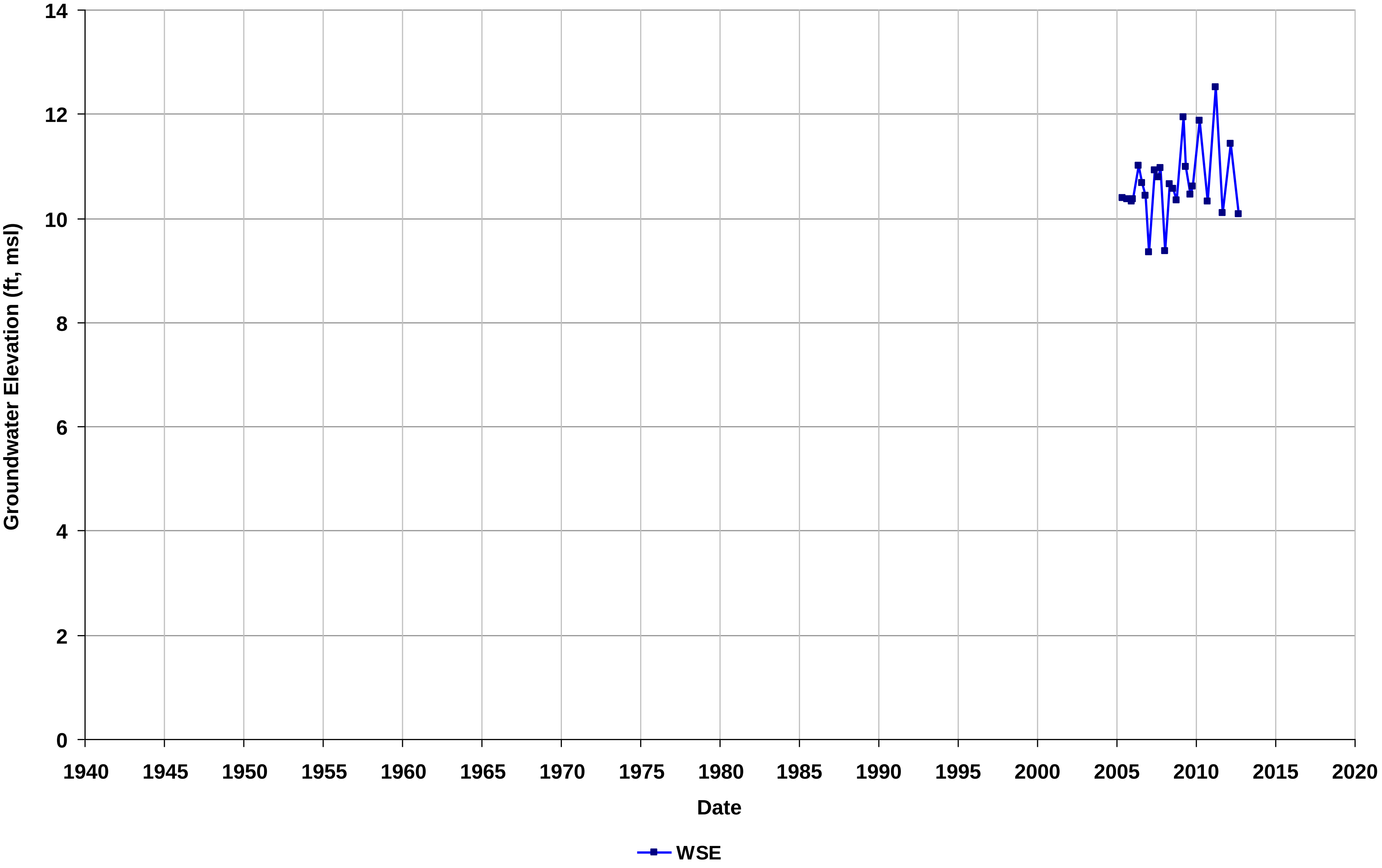
Well Name: T0601300483-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/20
Well Use: Observation



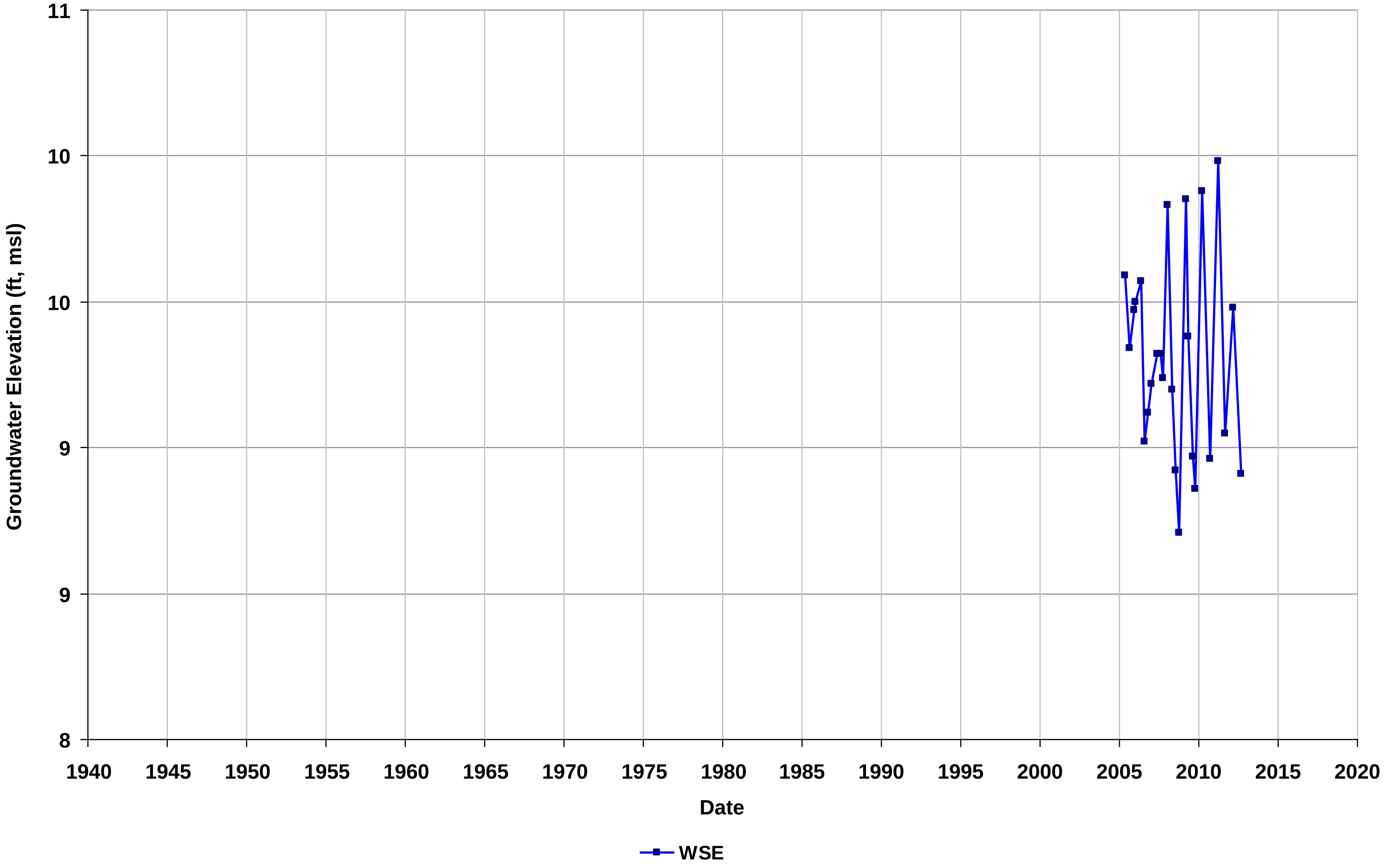
Well Name: T0601300483-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/20
Well Use: Observation



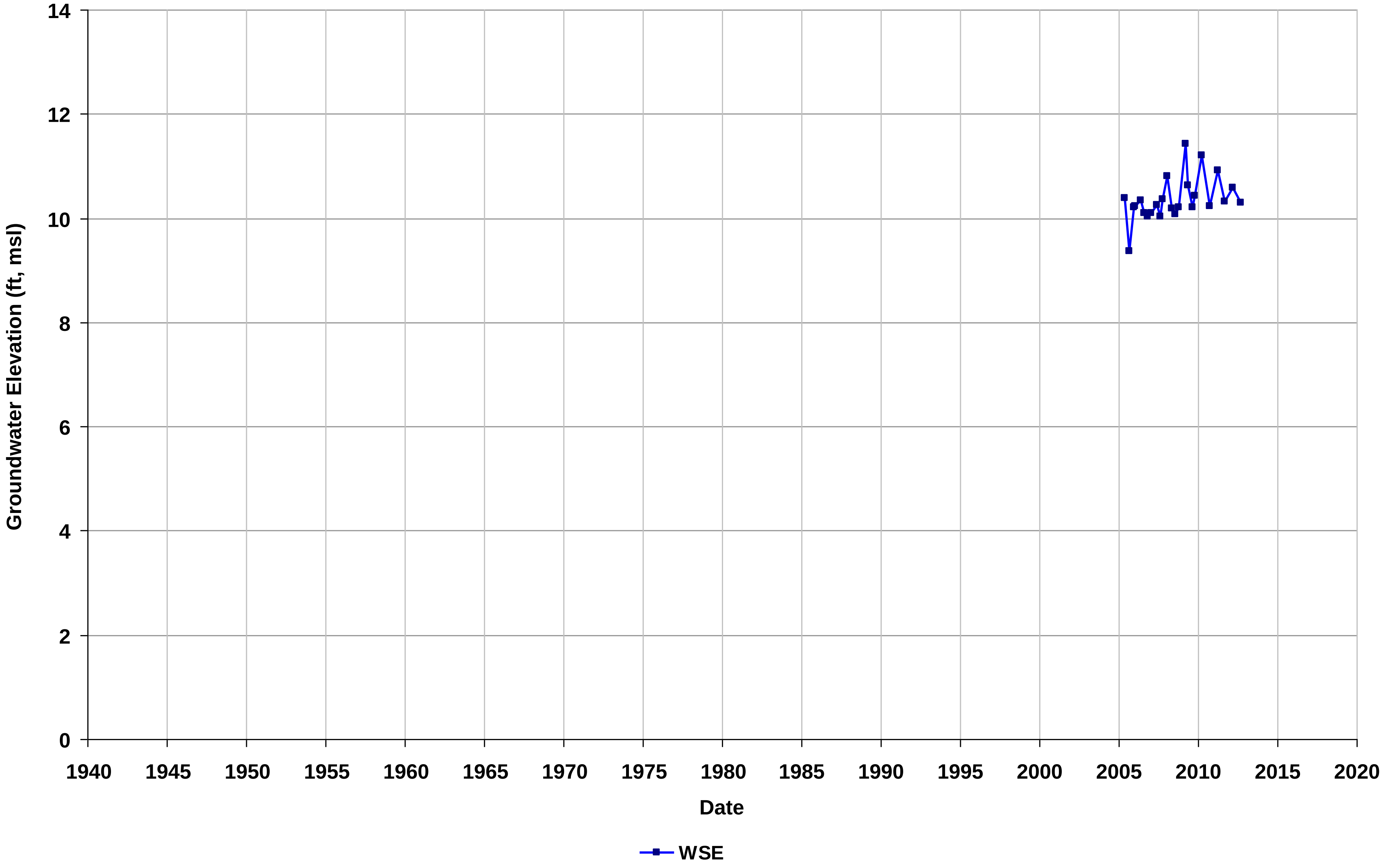
Well Name: T0601300483-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/20
Well Use: Observation



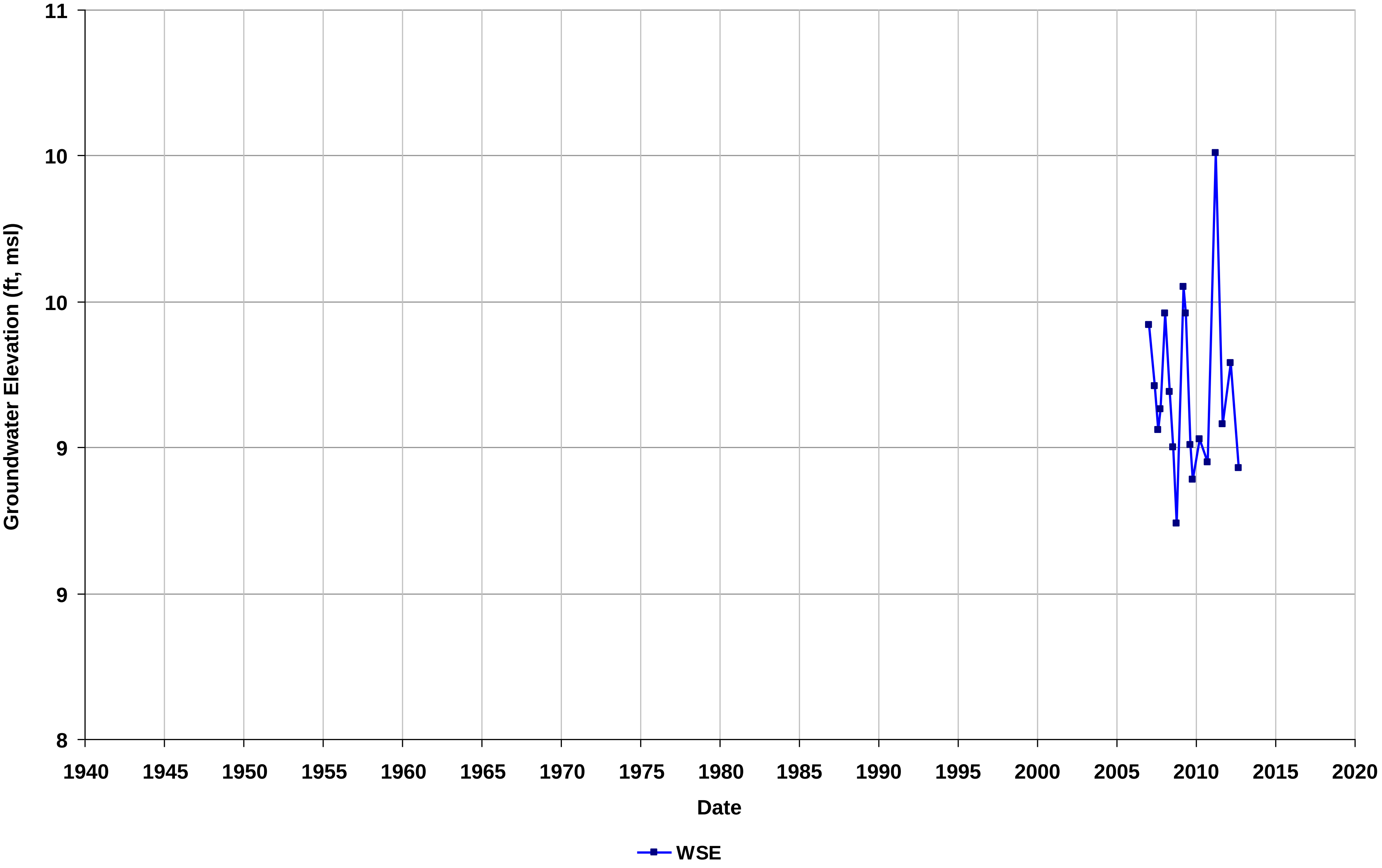
Well Name: T0601300483-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/20
Well Use: Observation



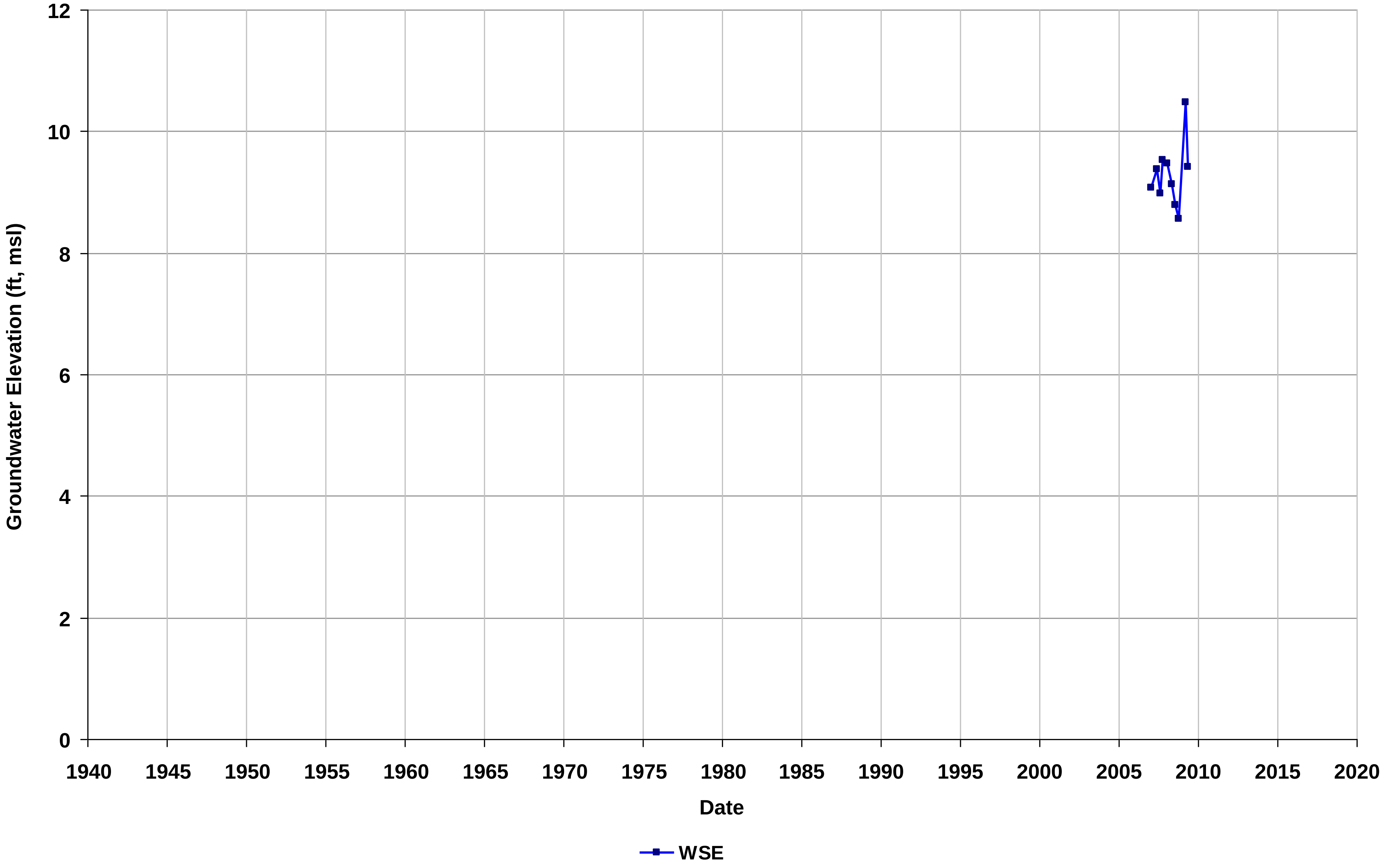
Well Name: T0601300483-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/20
Well Use: Observation



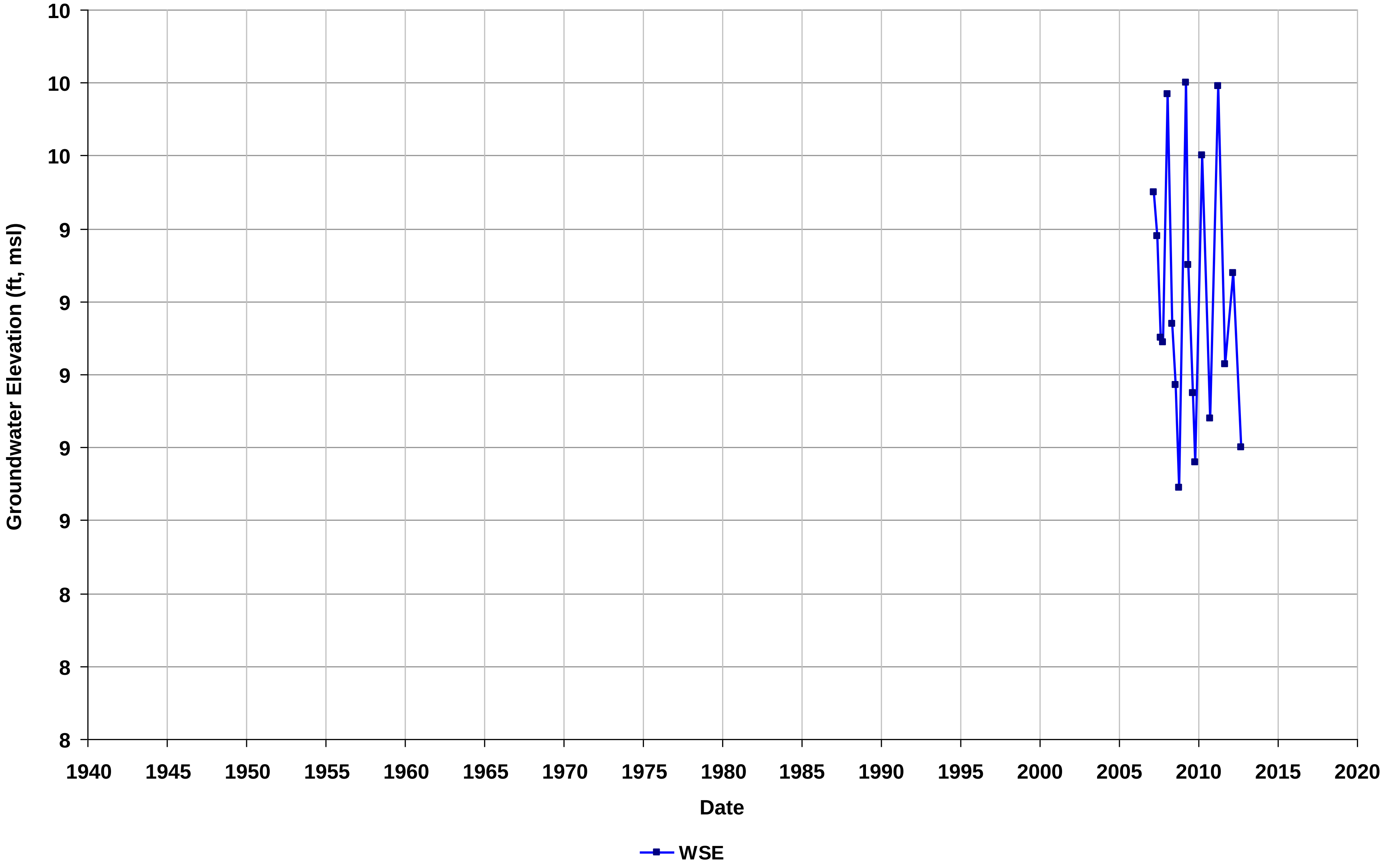
Well Name: T0601300483-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/20
Well Use: Observation



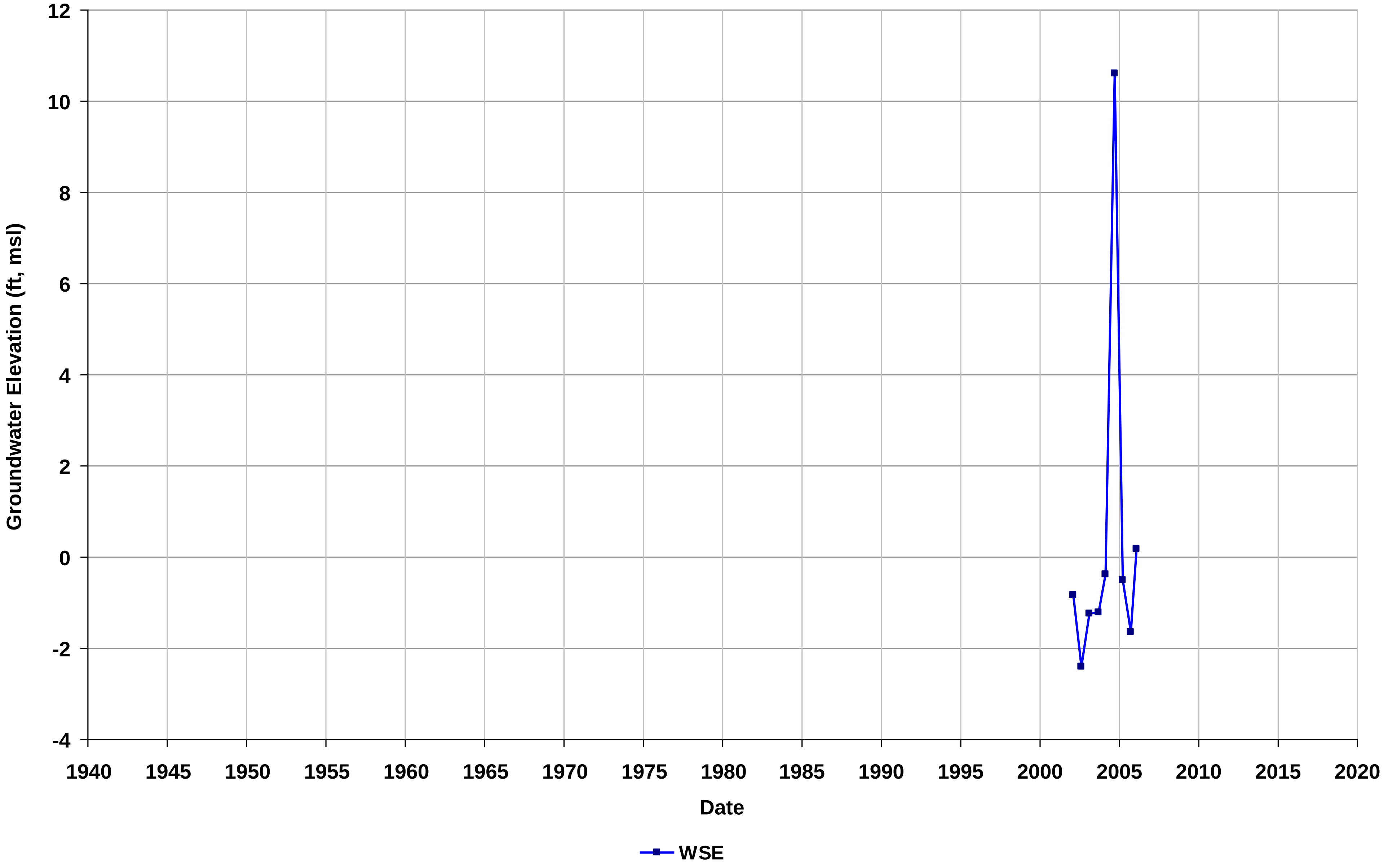
Well Name: T0601300483-MW-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/20
Well Use: Observation



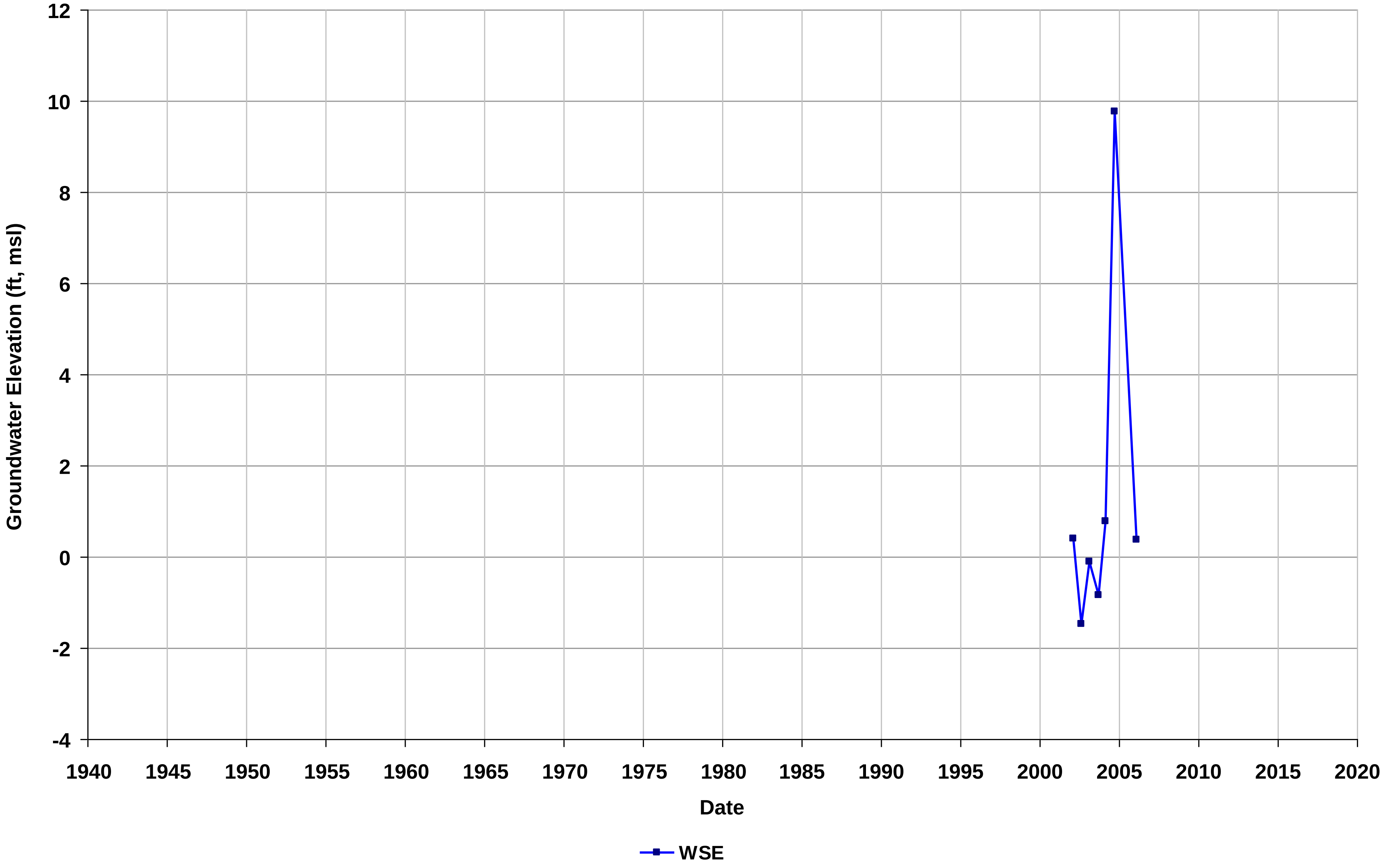
Well Name: T0601300612-MW1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



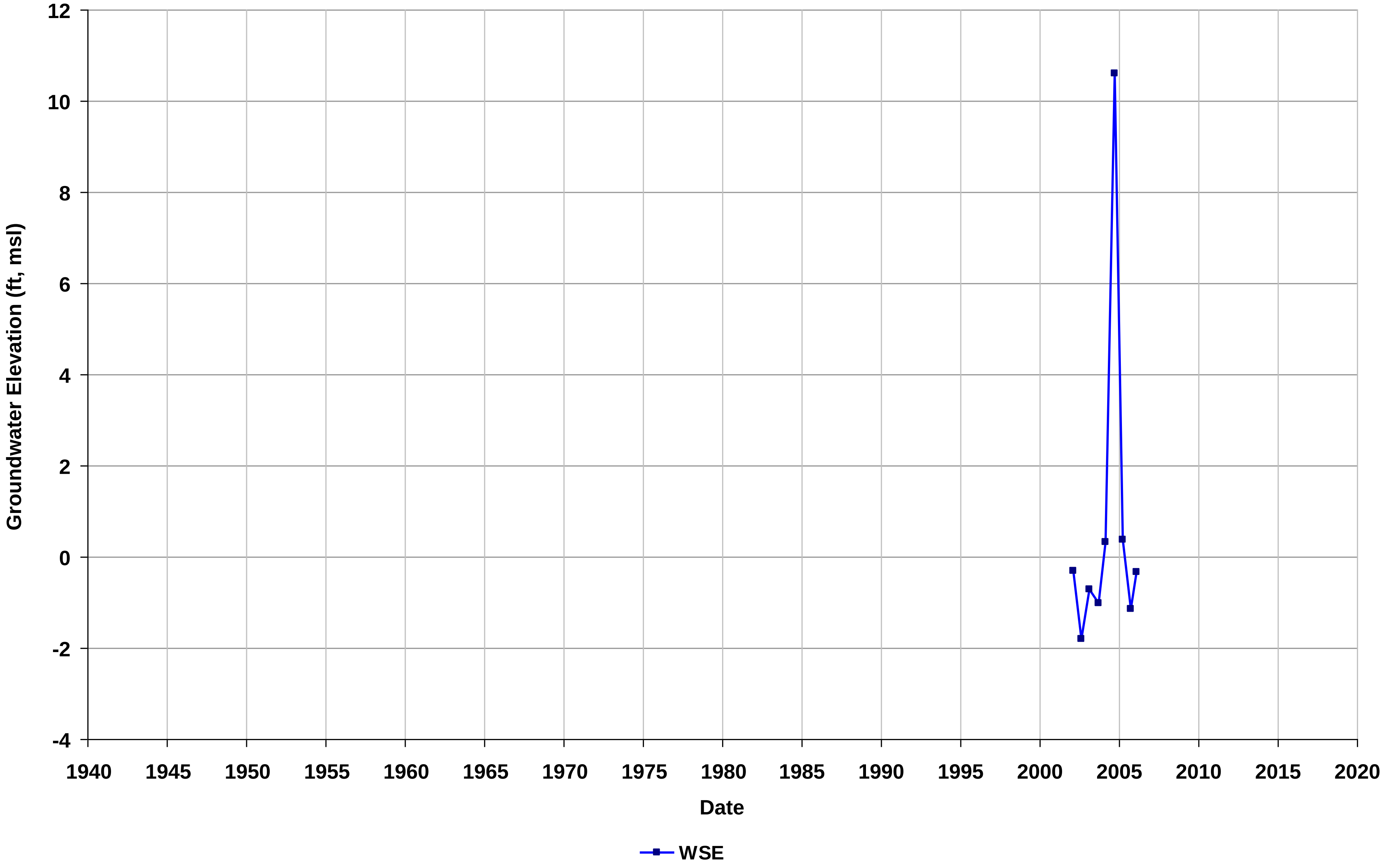
Well Name: T0601300612-MW2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



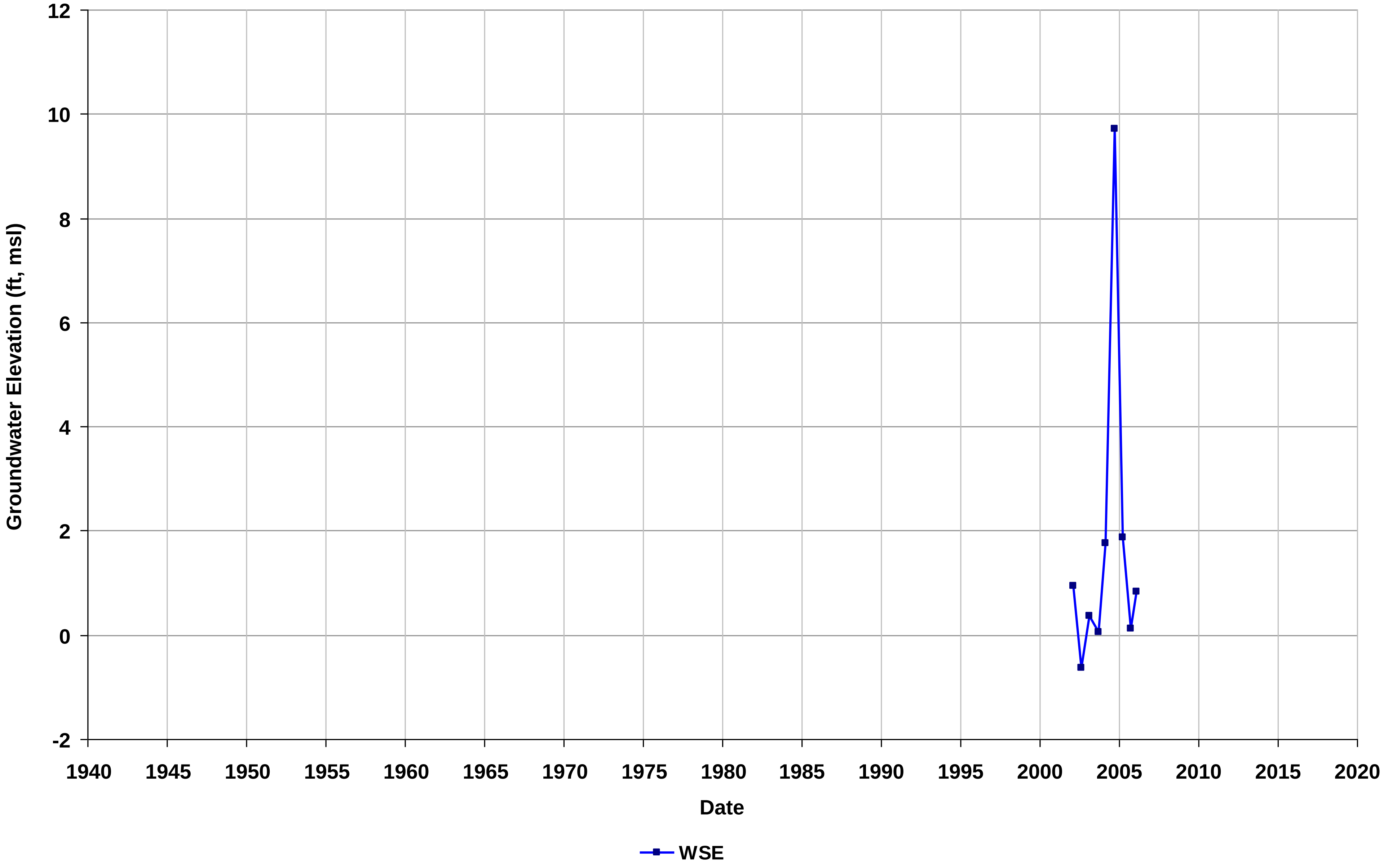
Well Name: T0601300612-MW3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



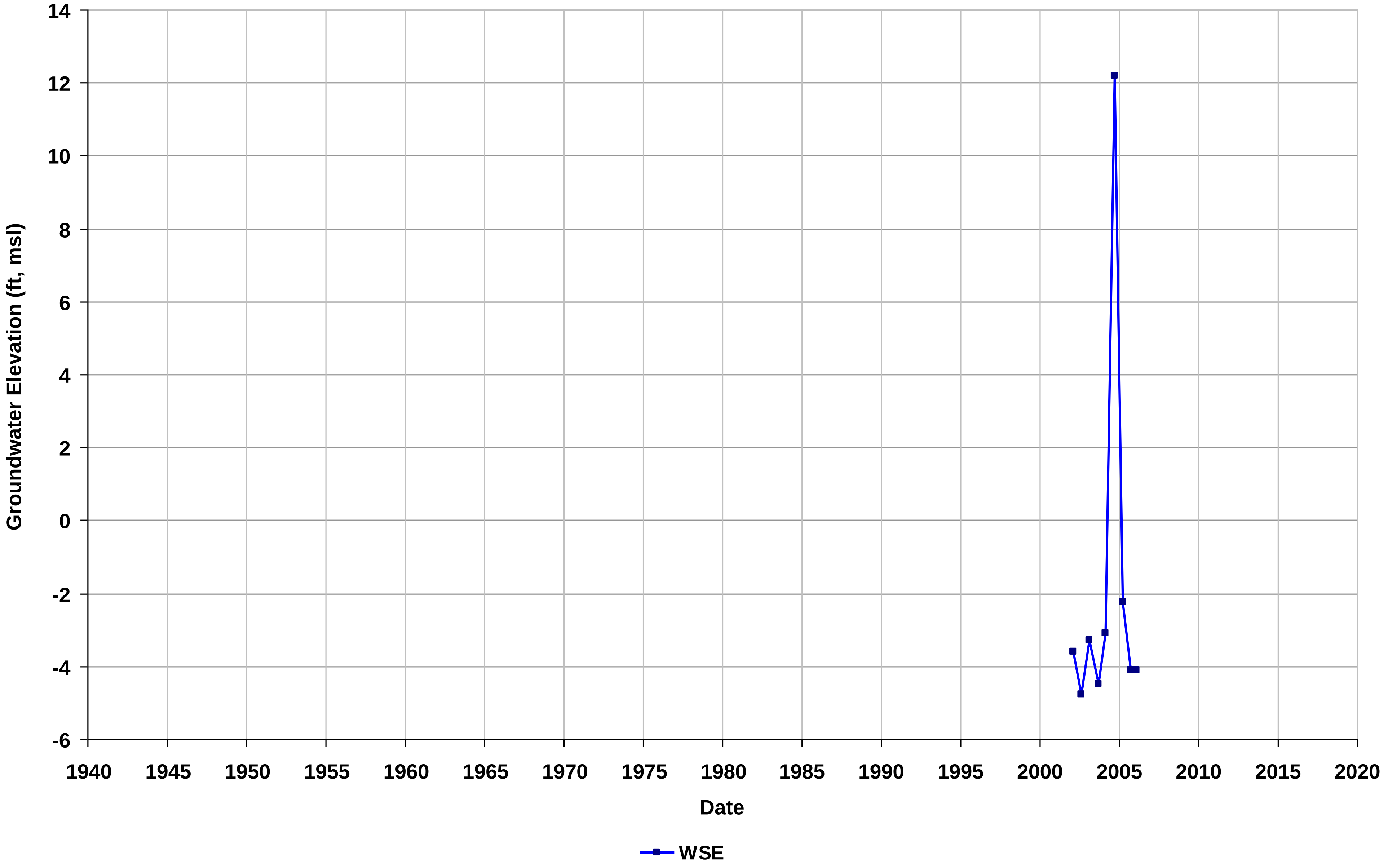
Well Name: T0601300612-MW4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/13
Well Use: Observation



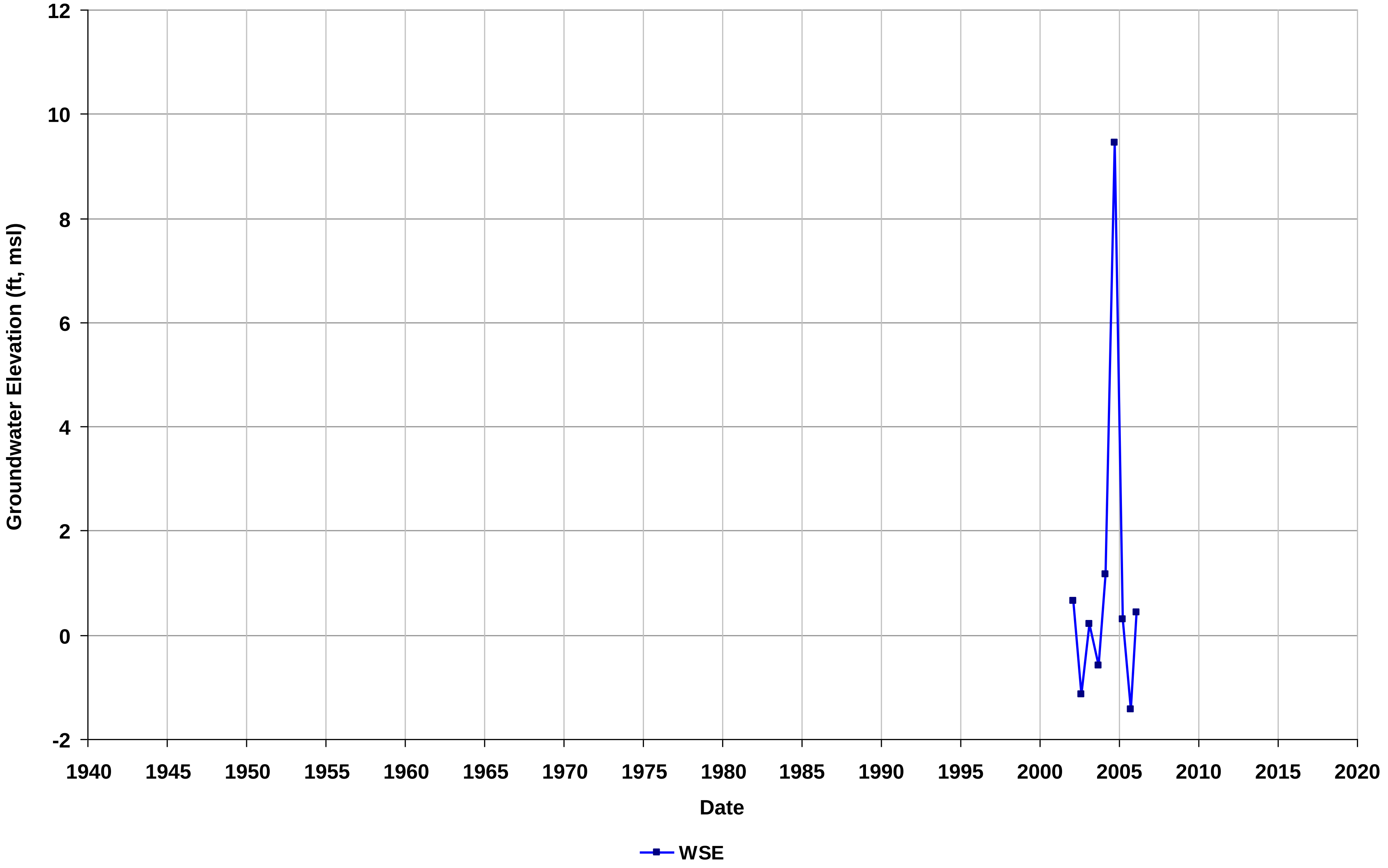
Well Name: T0601300612-MW5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



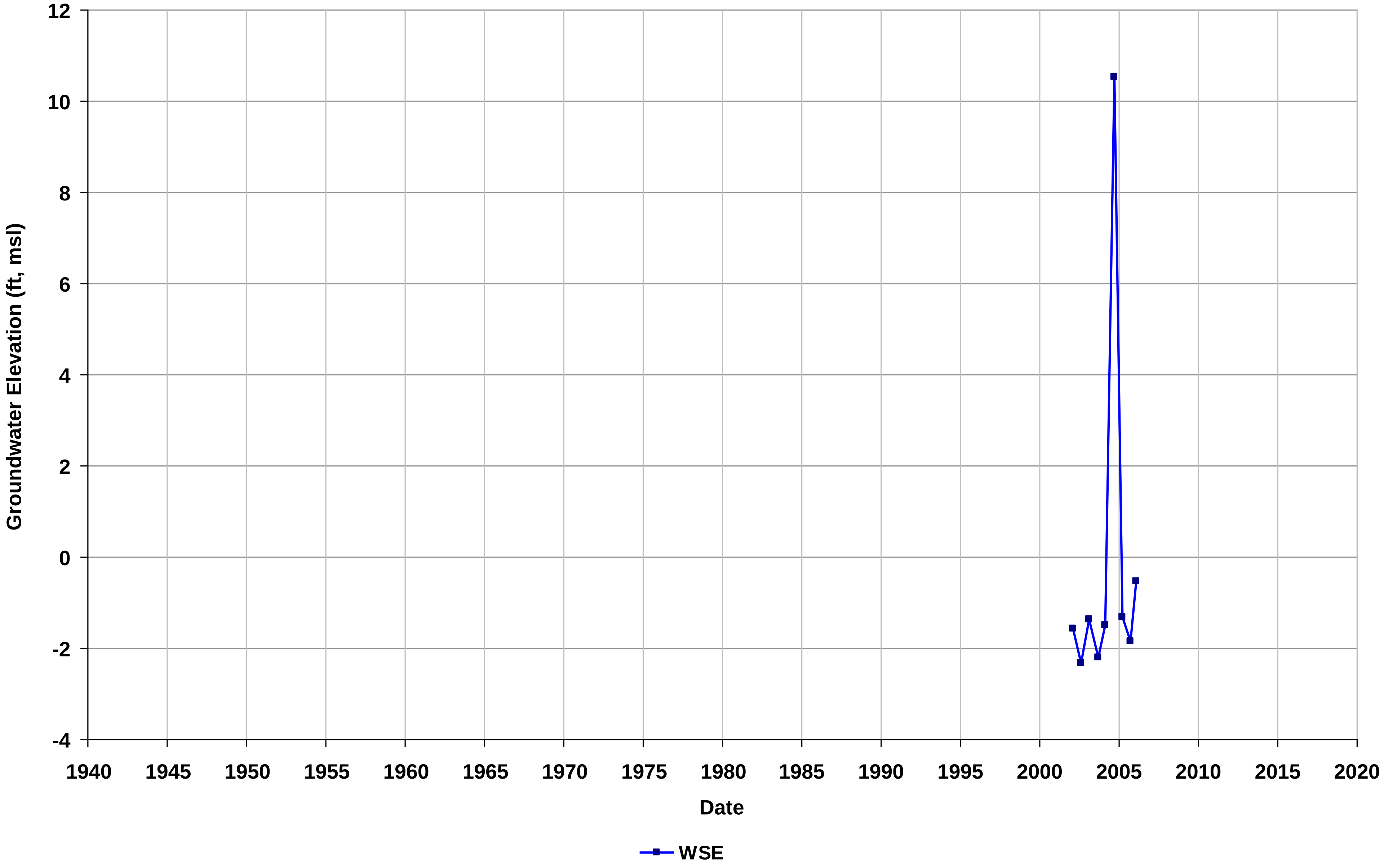
Well Name: T0601300612-MW6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/13
Well Use: Observation



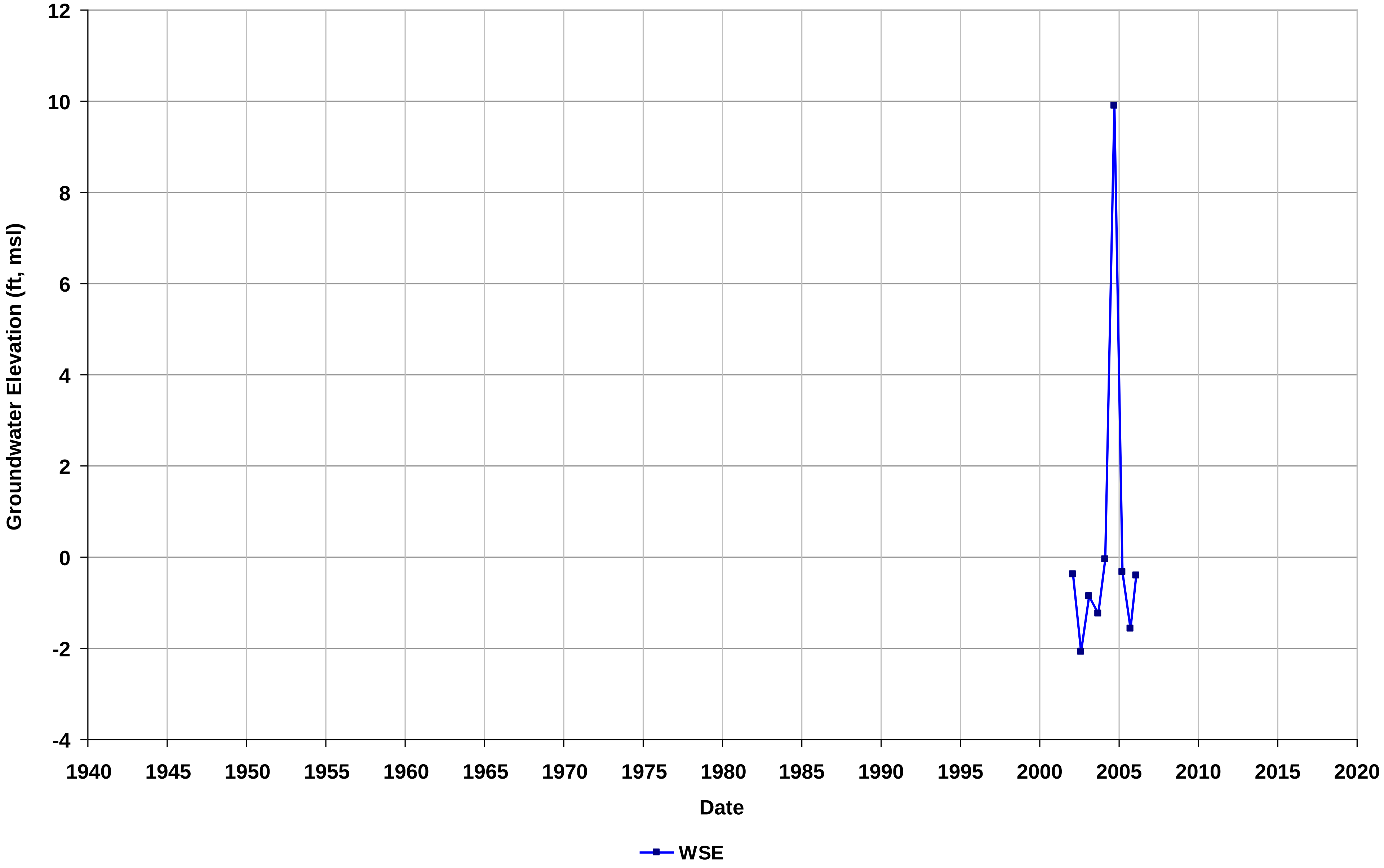
Well Name: T0601300612-MW7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



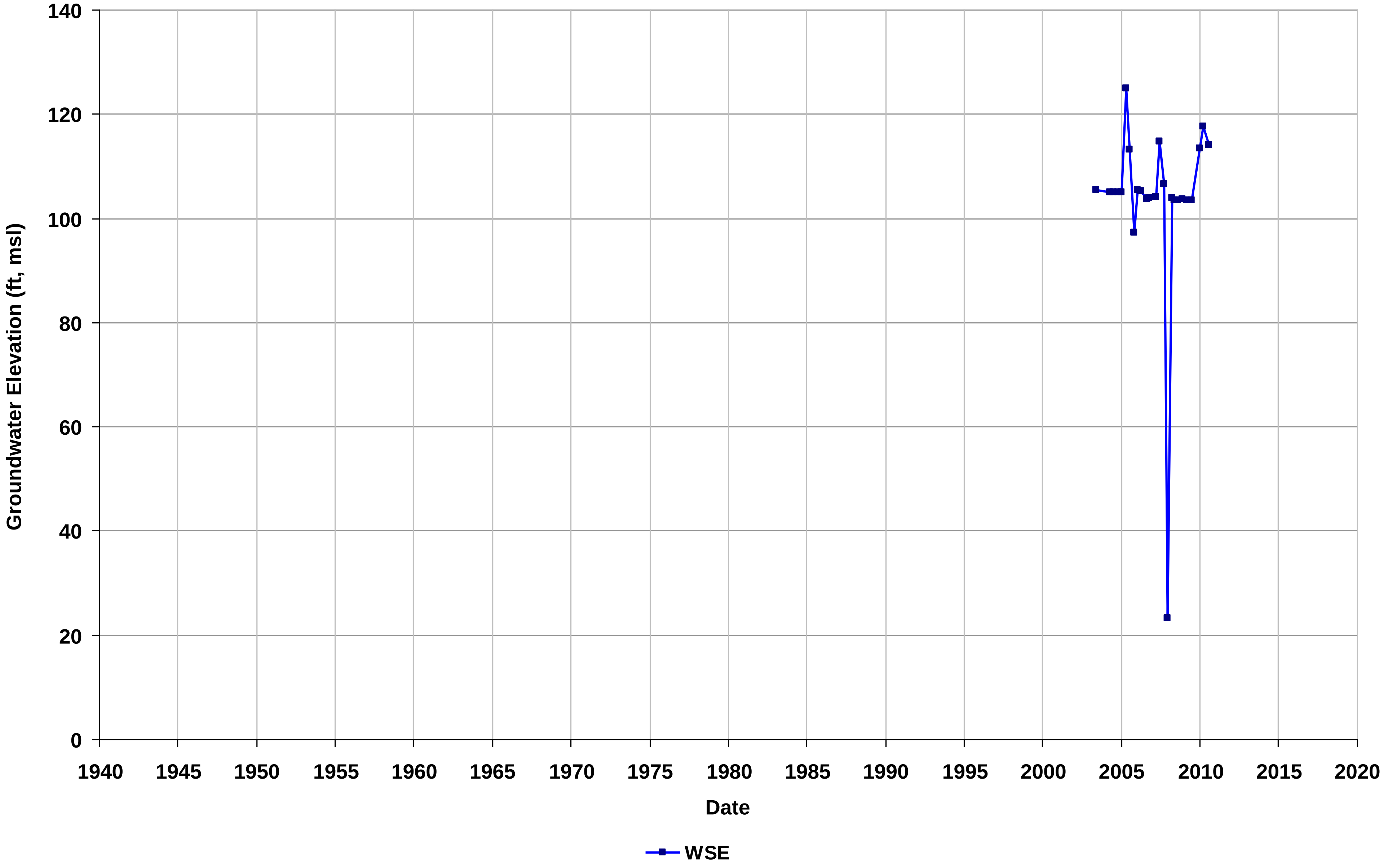
Well Name: T0601300612-MW8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/24
Well Use: Observation



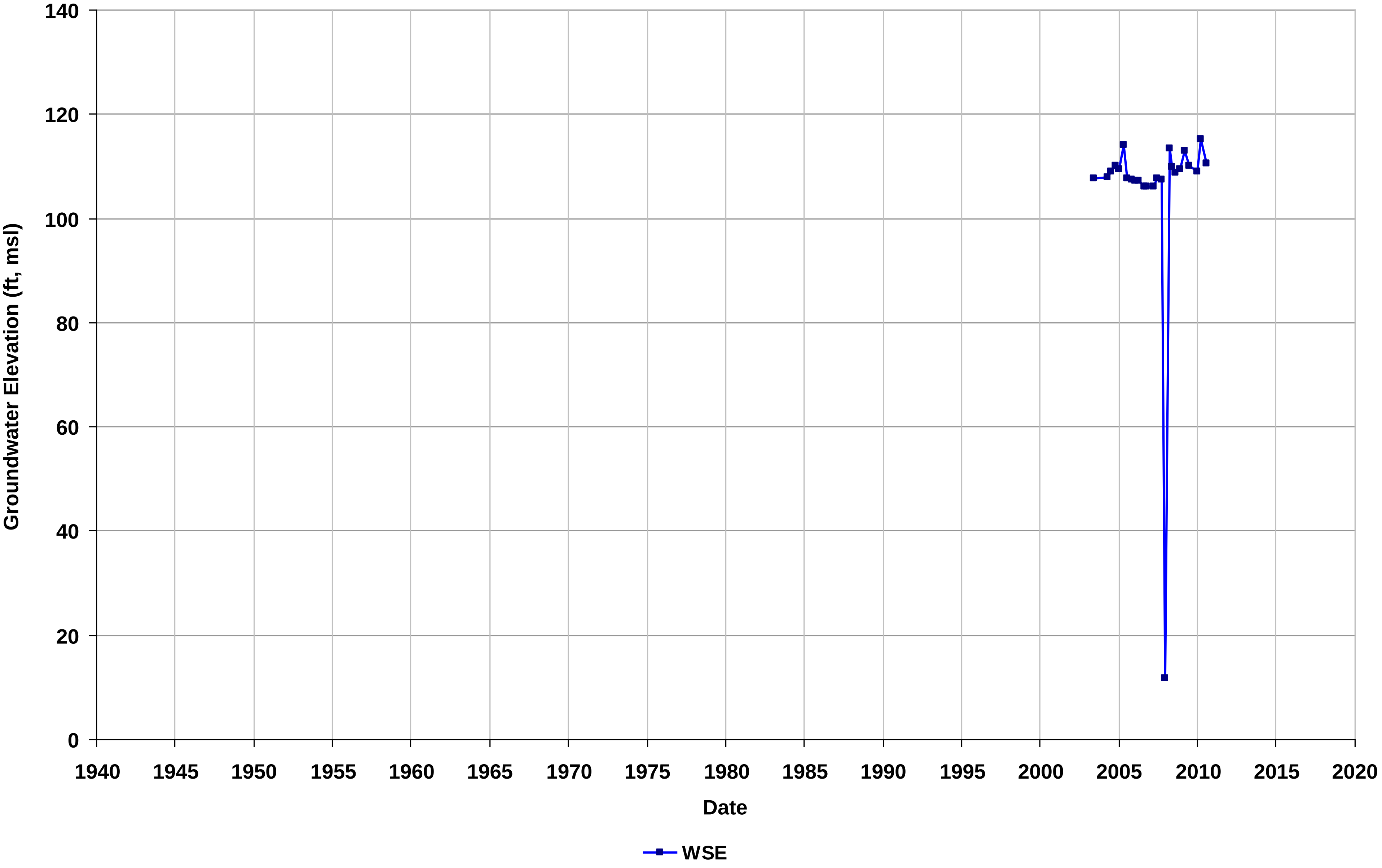
Well Name: T0601300687-EX-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/05
Well Use: Observation



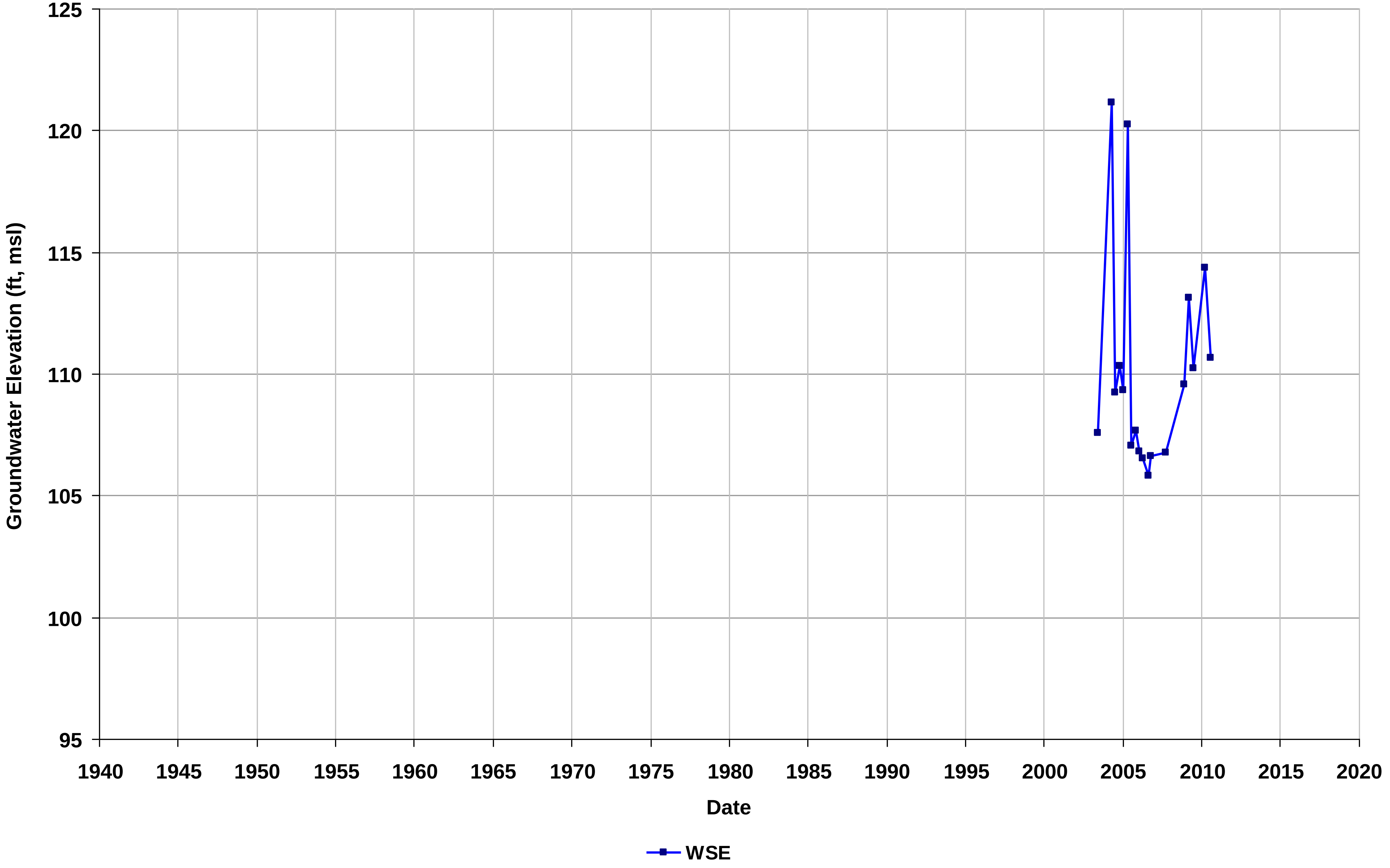
Well Name: T0601300687-FDN
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/05
Well Use: Observation



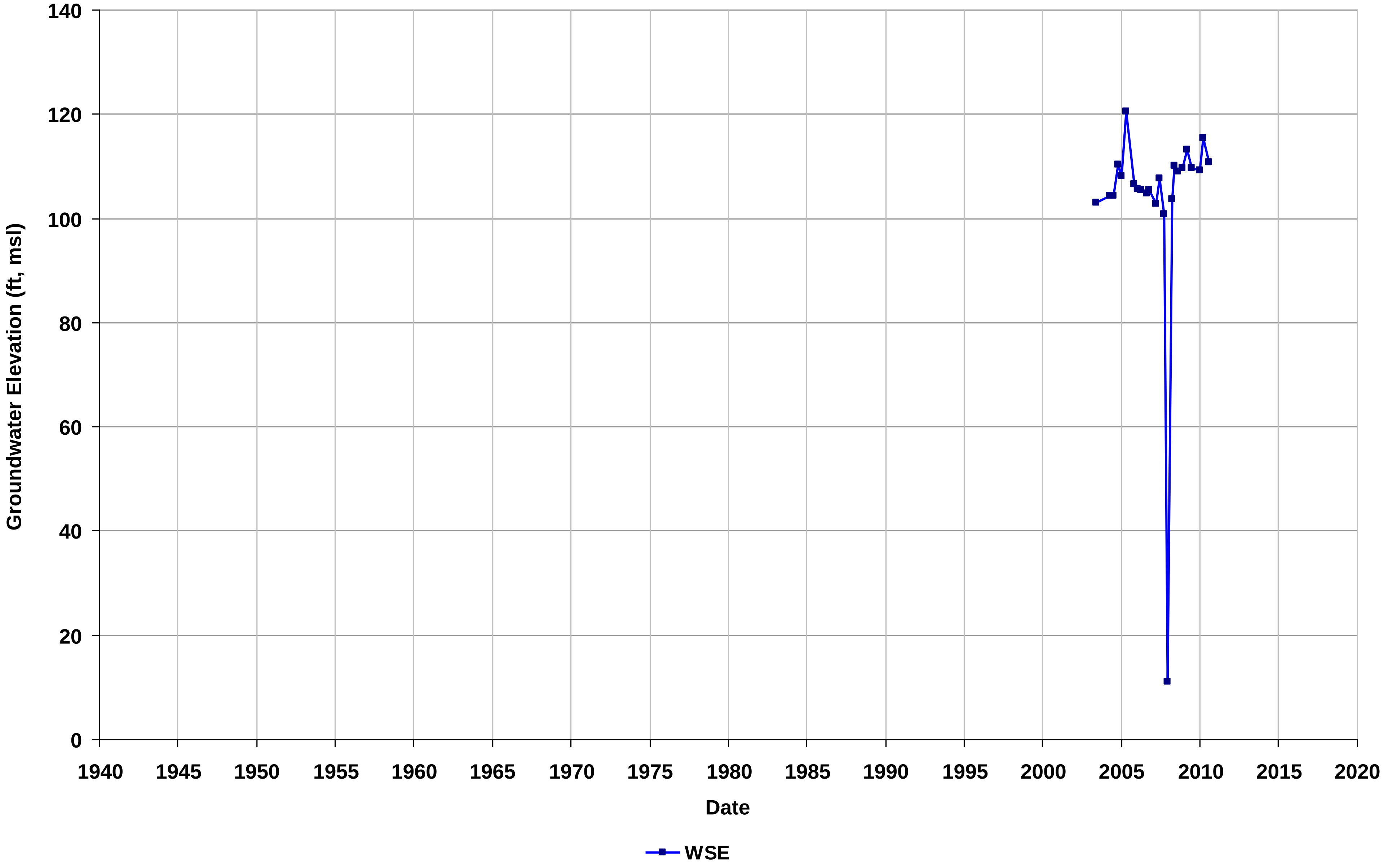
Well Name: T0601300687-FDS
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/05
Well Use: Observation



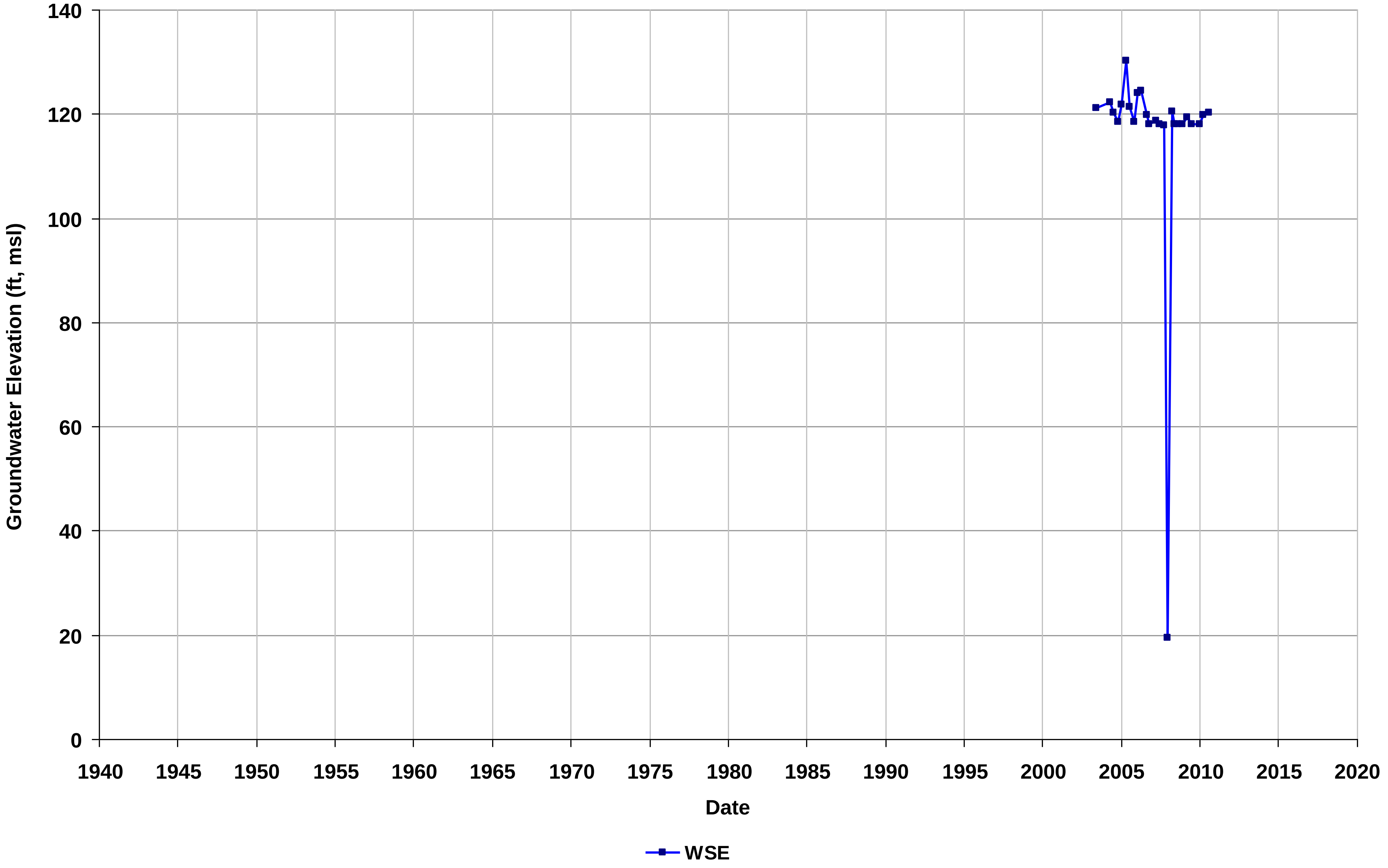
Well Name: T0601300687-FDW
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/05
Well Use: Observation



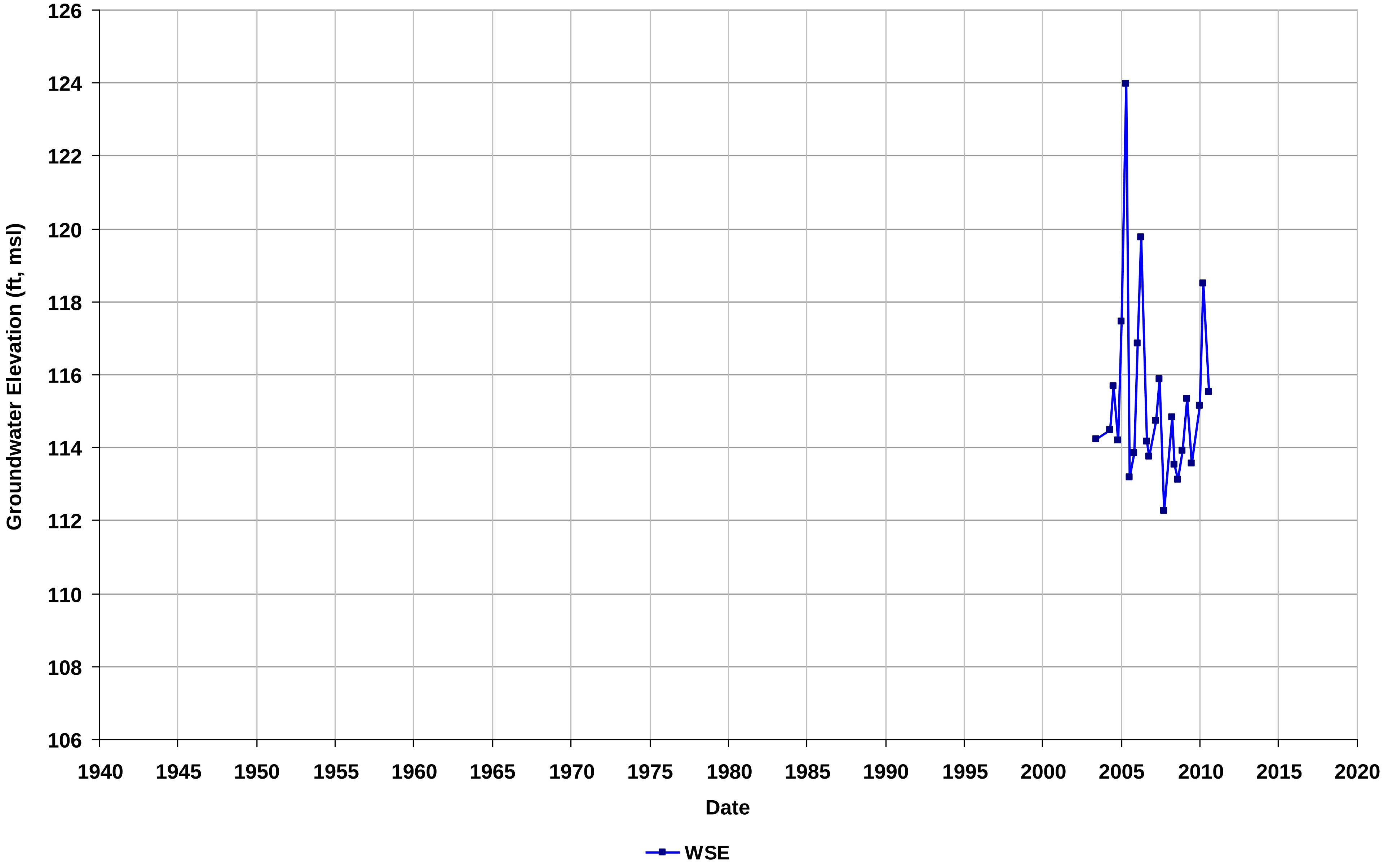
Well Name: T0601300687-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/05
Well Use: Observation



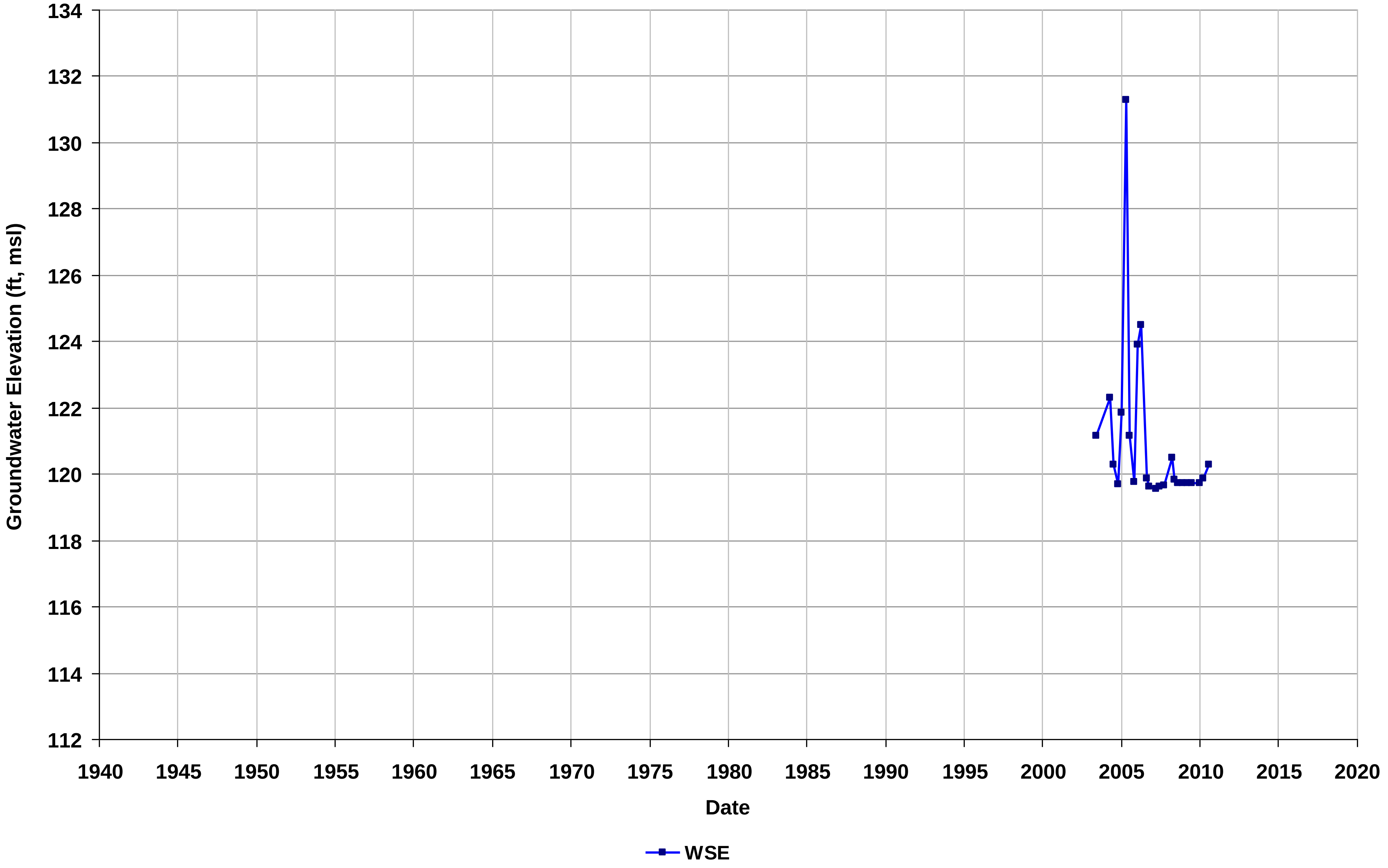
Well Name: T0601300687-MW-10
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/05
Well Use: Observation



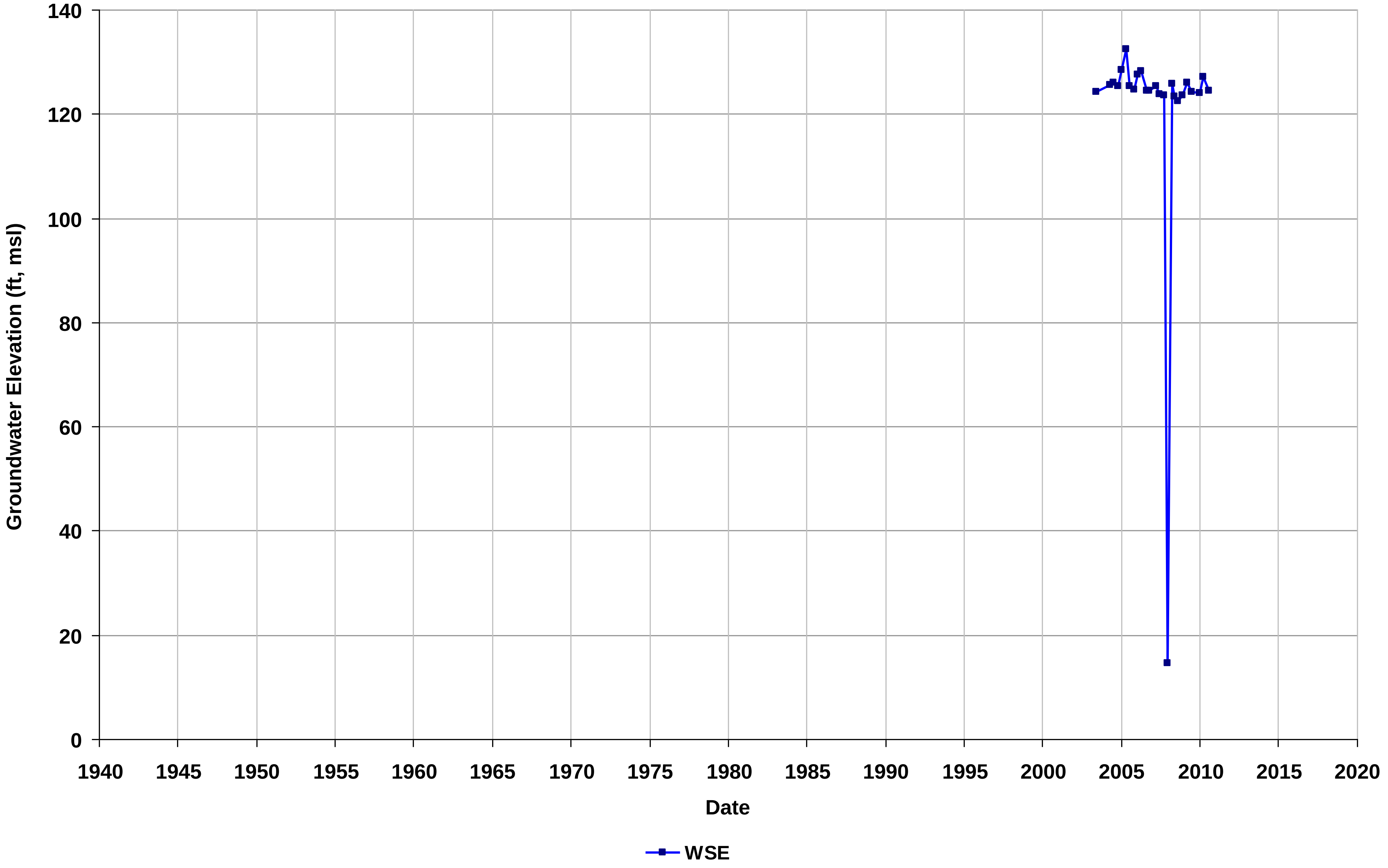
Well Name: T0601300687-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/05
Well Use: Observation



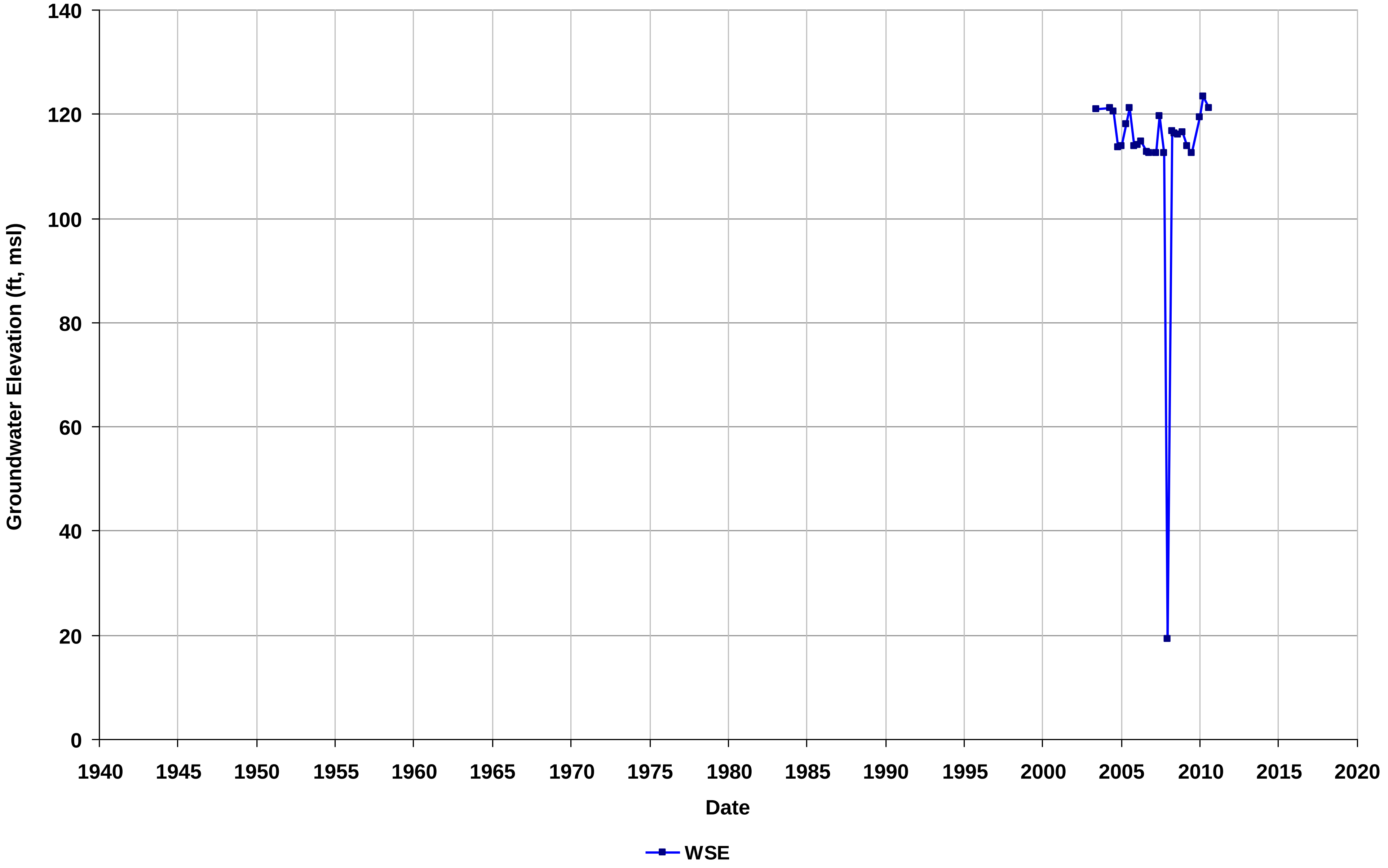
Well Name: T0601300687-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/05
Well Use: Observation



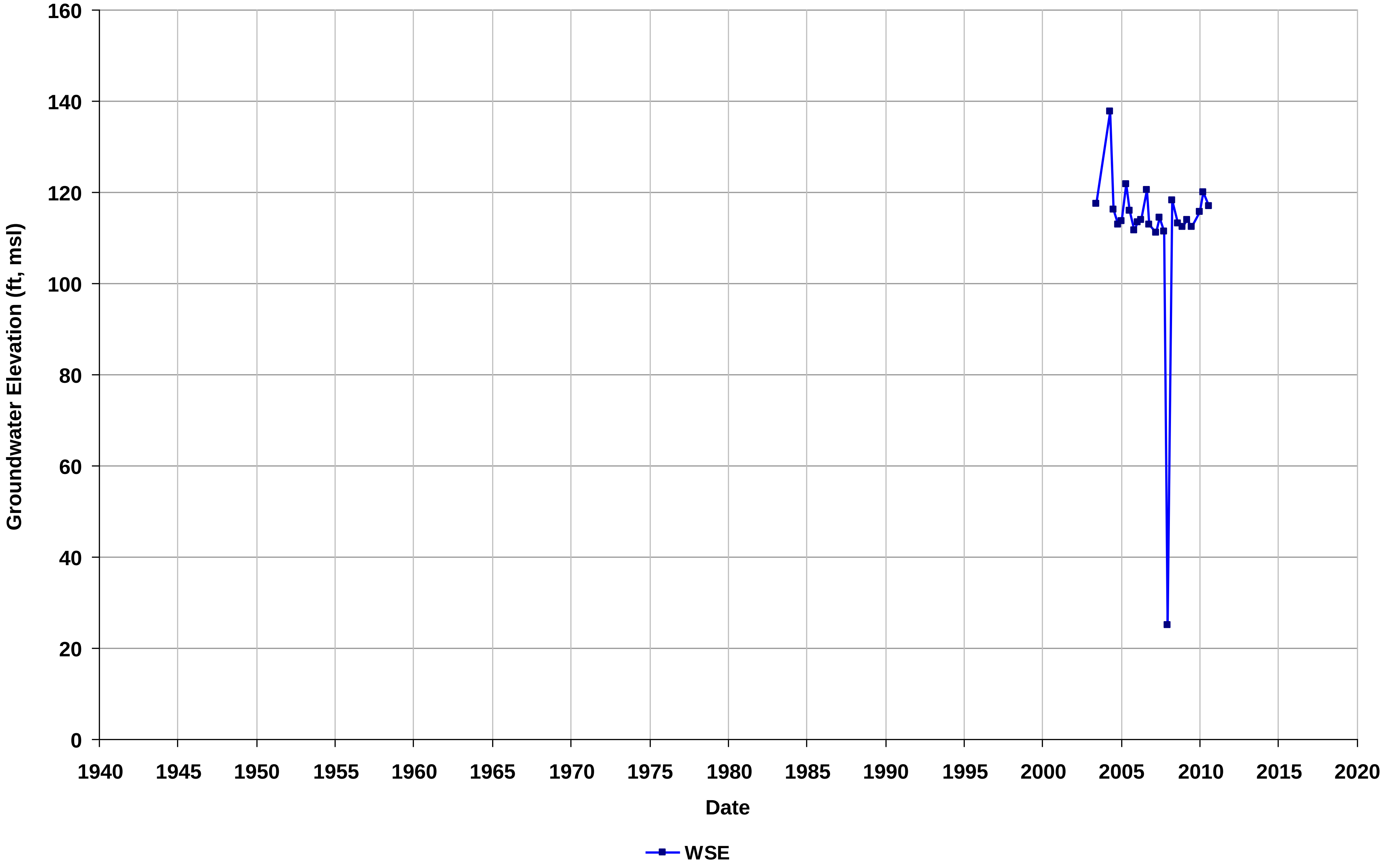
Well Name: T0601300687-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/05
Well Use: Observation



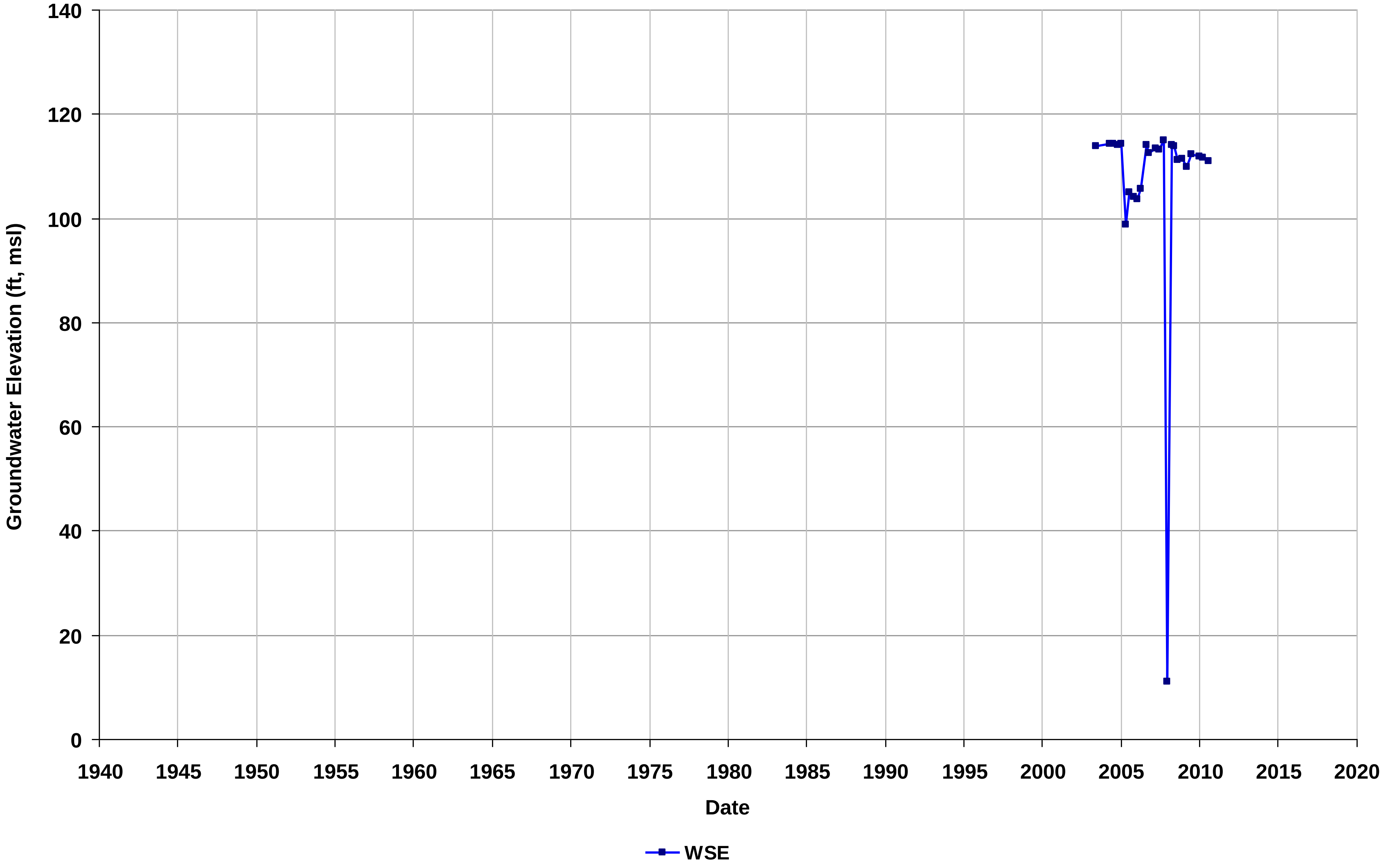
Well Name: T0601300687-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/05
Well Use: Observation



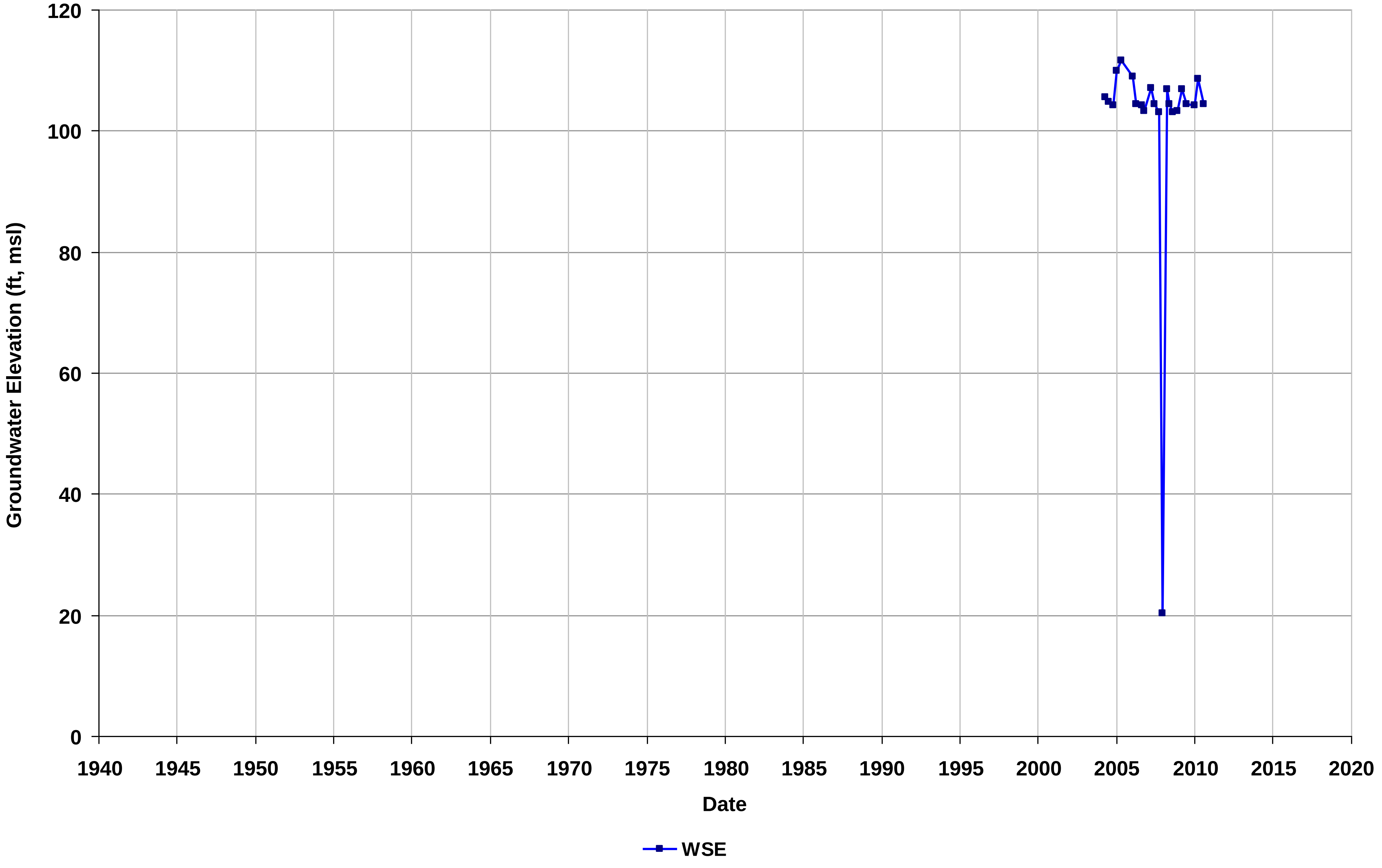
Well Name: T0601300687-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/05
Well Use: Observation



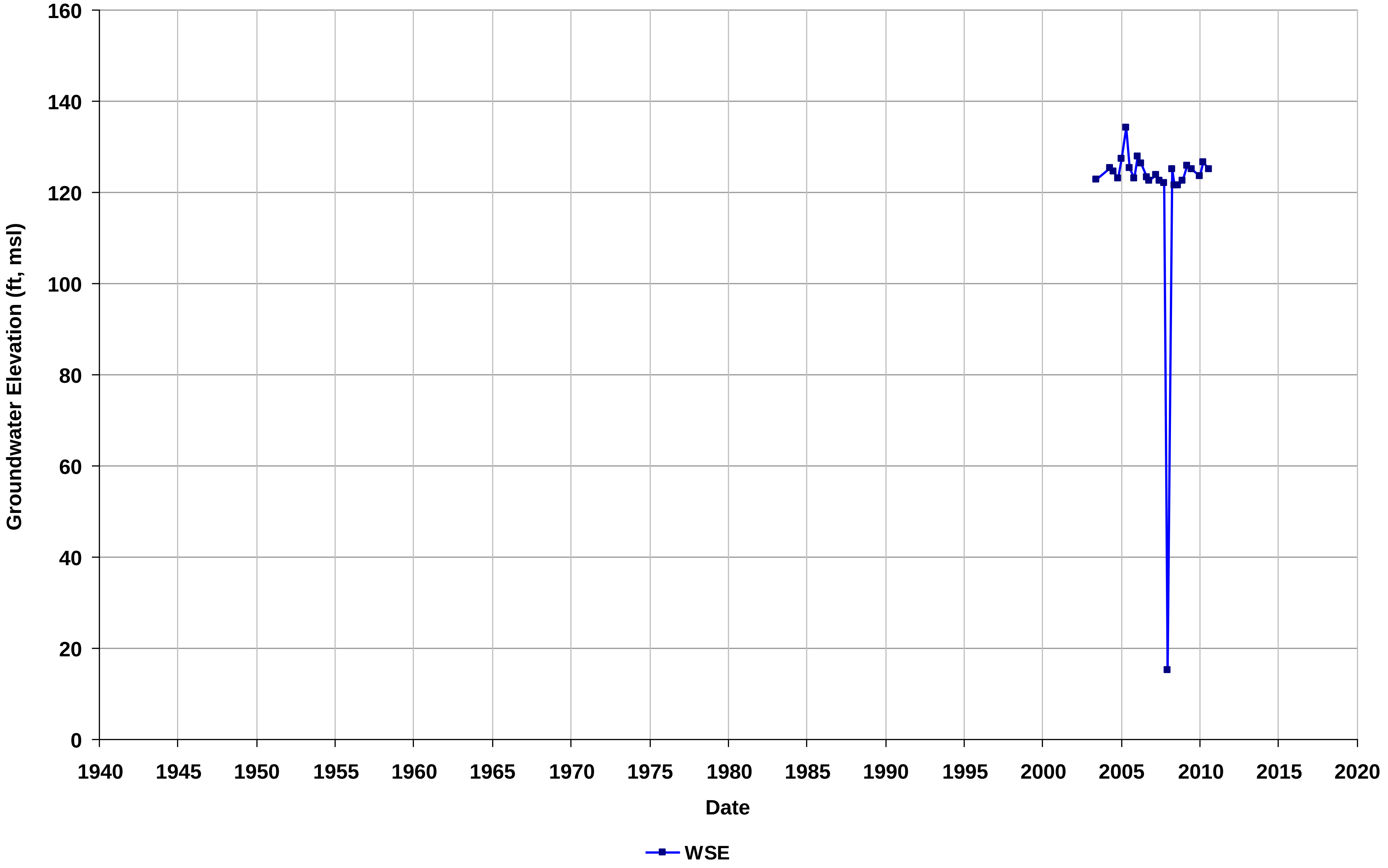
Well Name: T0601300687-MW-7R
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/05
Well Use: Observation



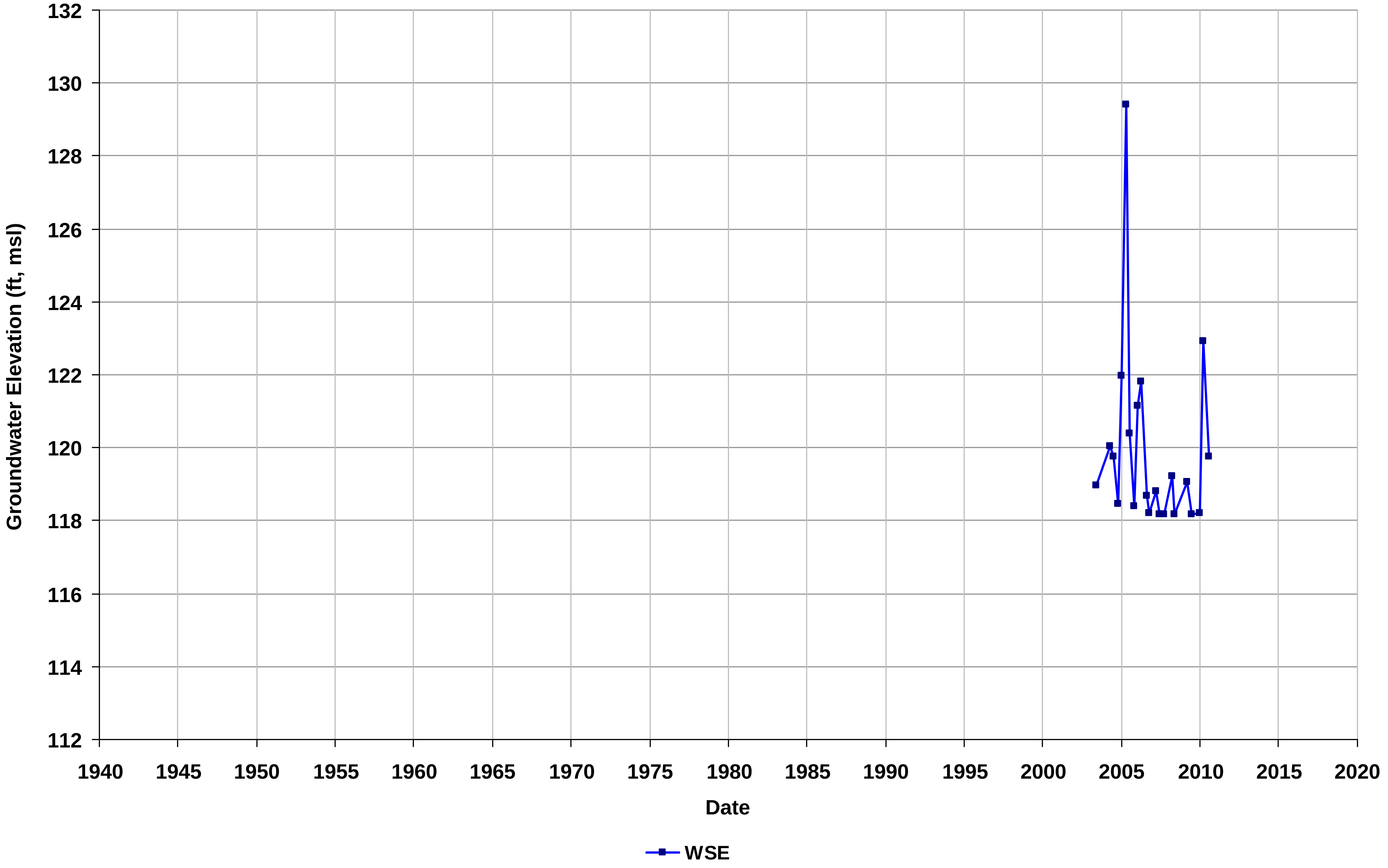
Well Name: T0601300687-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/05
Well Use: Observation



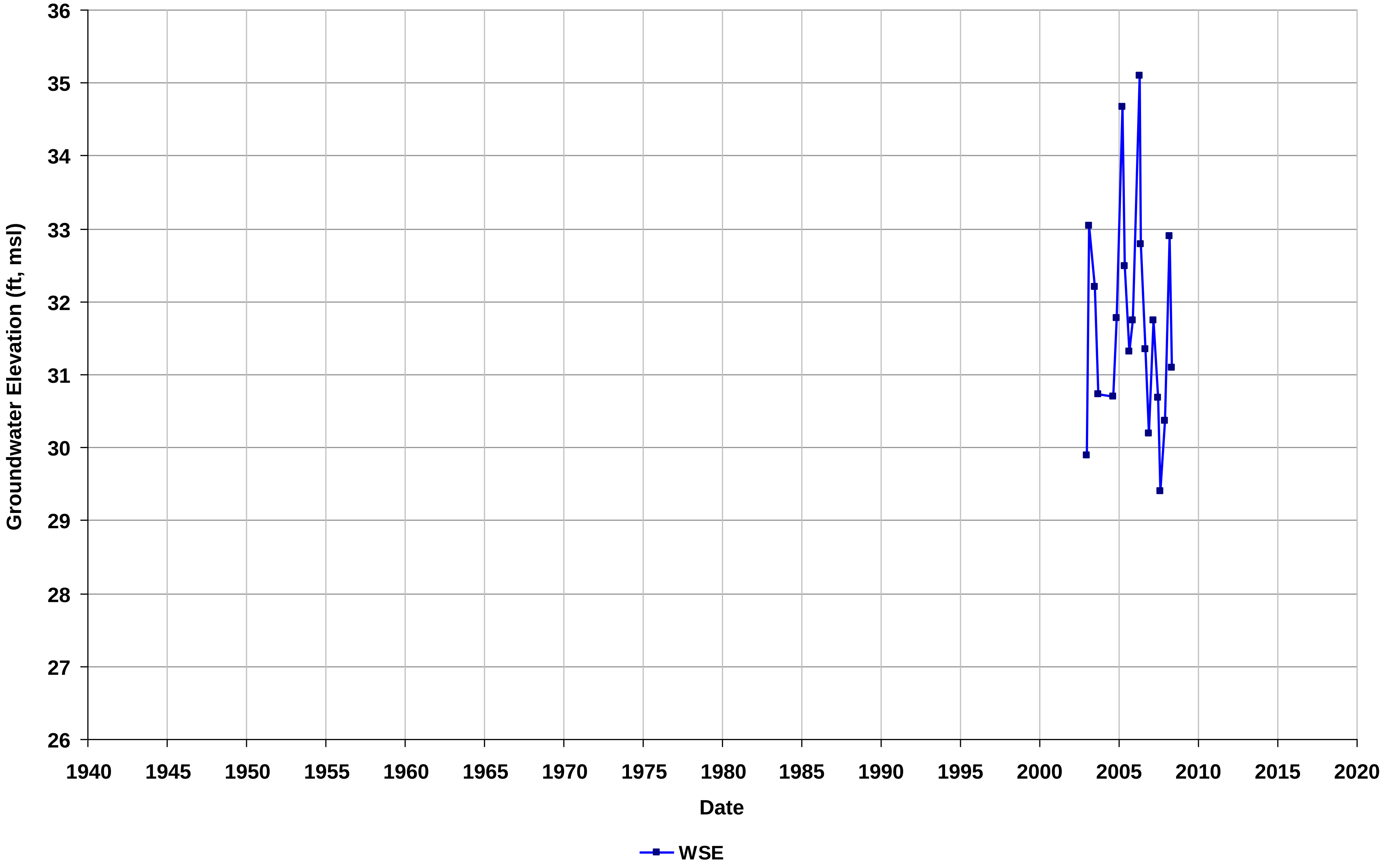
Well Name: T0601300687-MW-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/05
Well Use: Observation



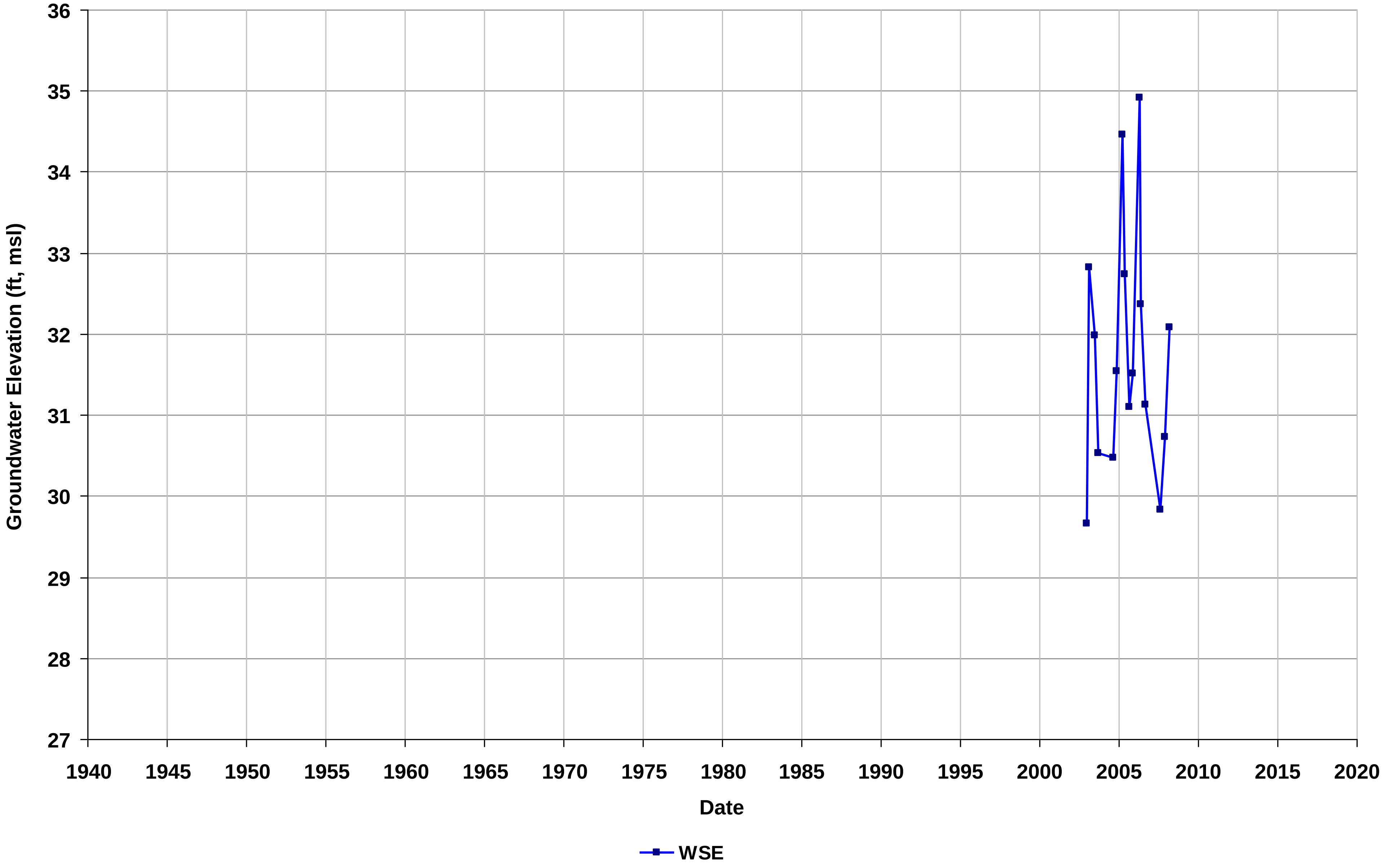
Well Name: T0601300693-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/06
Well Use: Observation



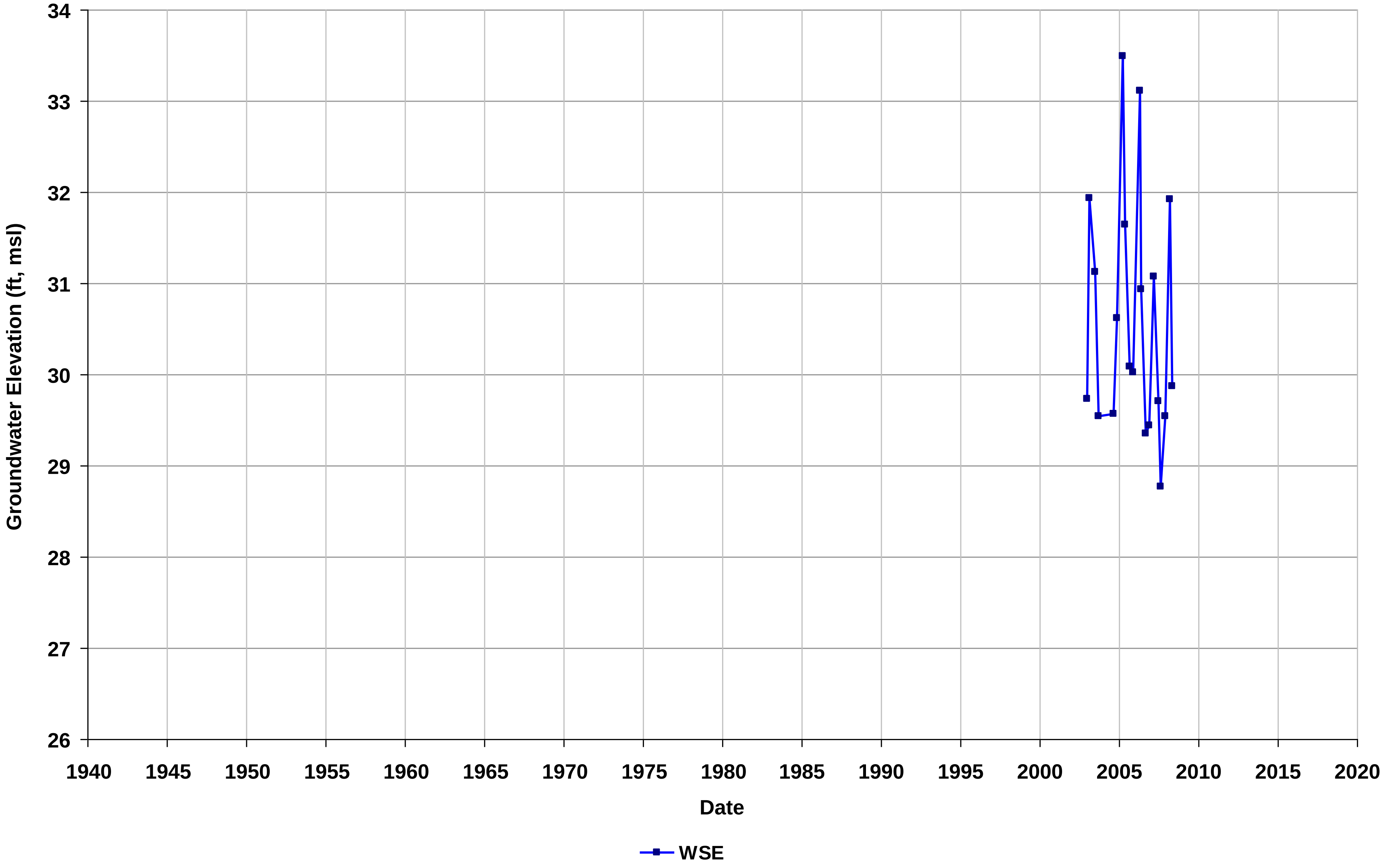
Well Name: T0601300693-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/06
Well Use: Observation



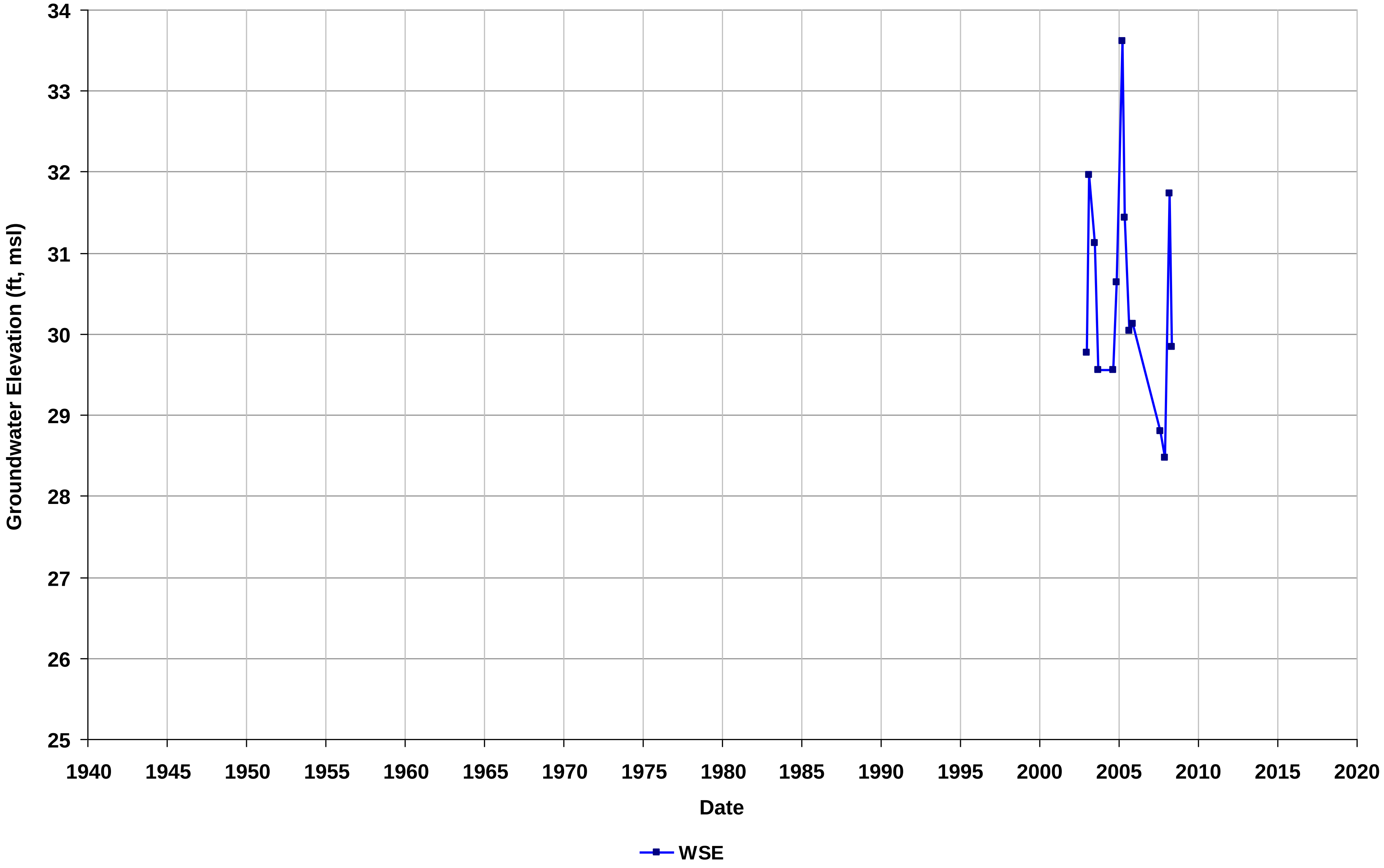
Well Name: T0601300693-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/06
Well Use: Observation



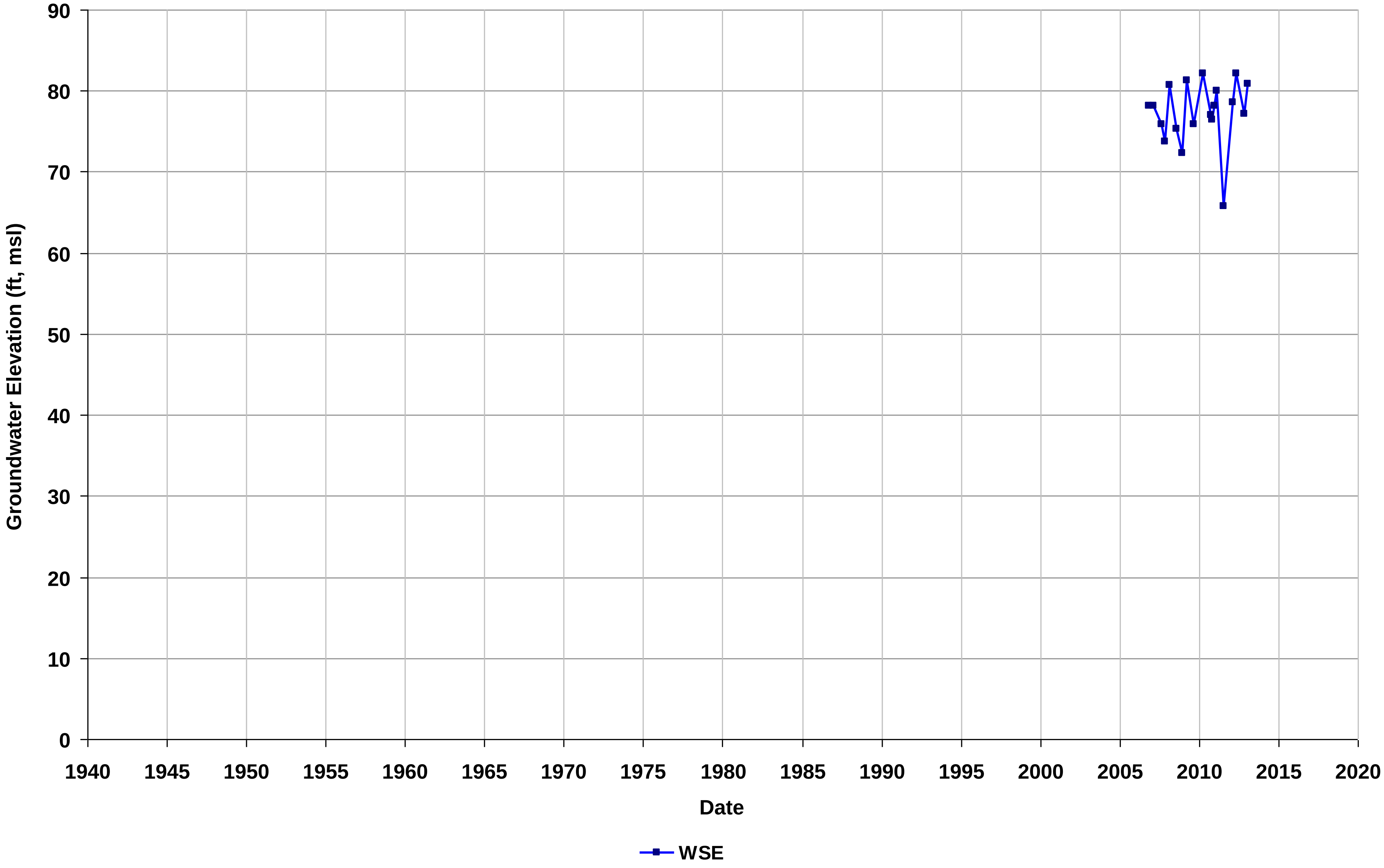
Well Name: T0601300693-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/06
Well Use: Observation



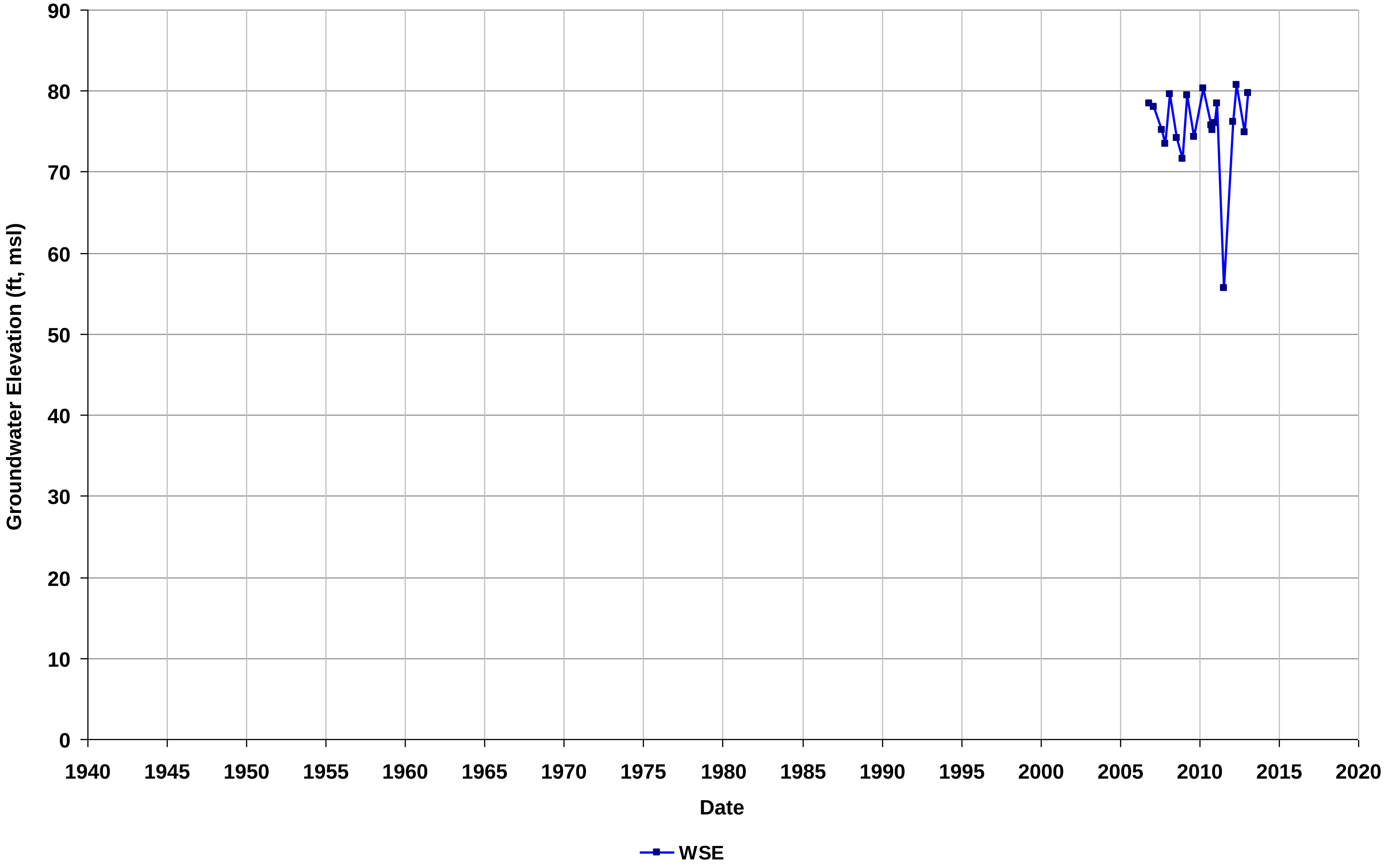
Well Name: T0601300702-MW-10
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/08
Well Use: Observation



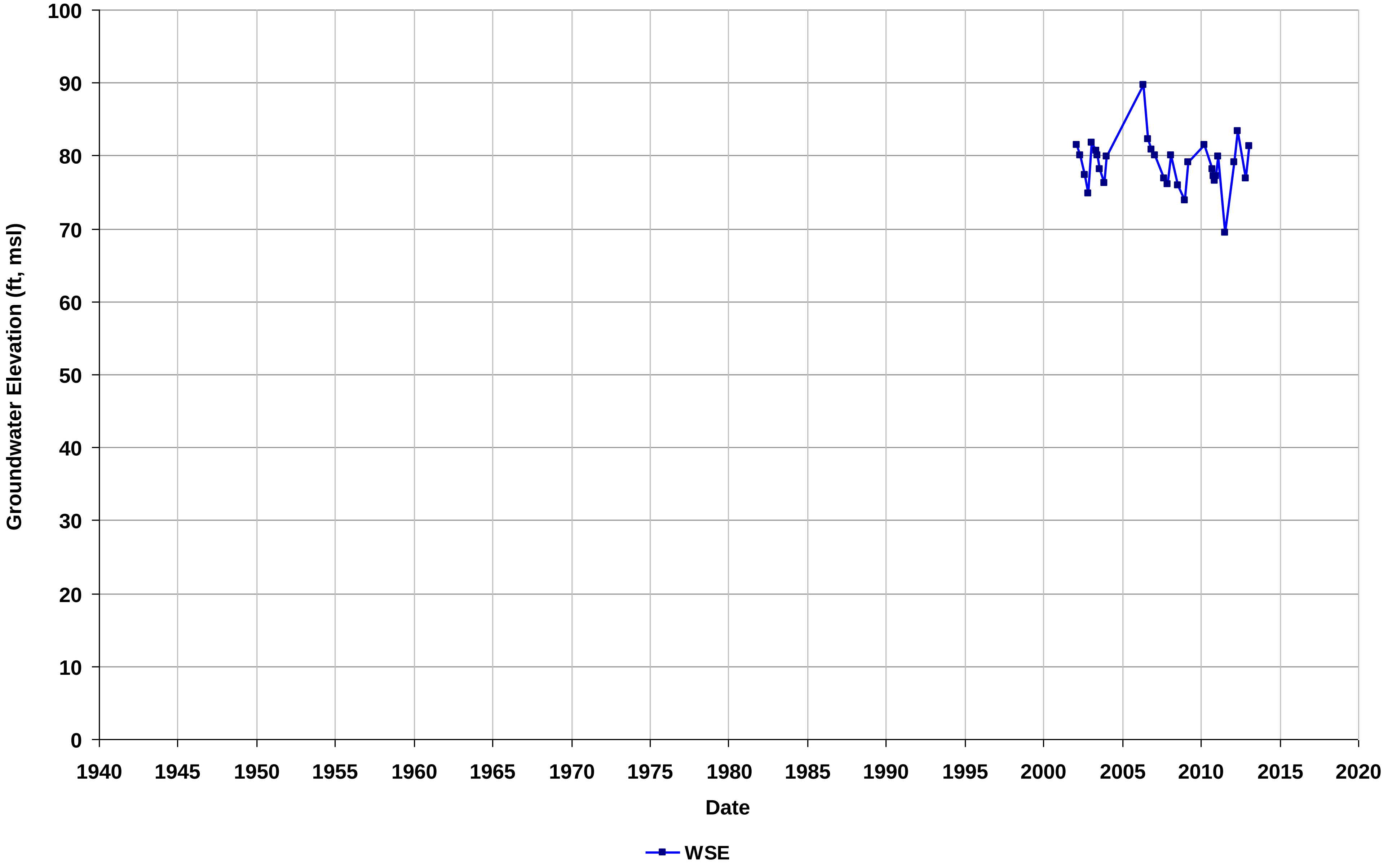
Well Name: T0601300702-MW-11
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/08
Well Use: Observation



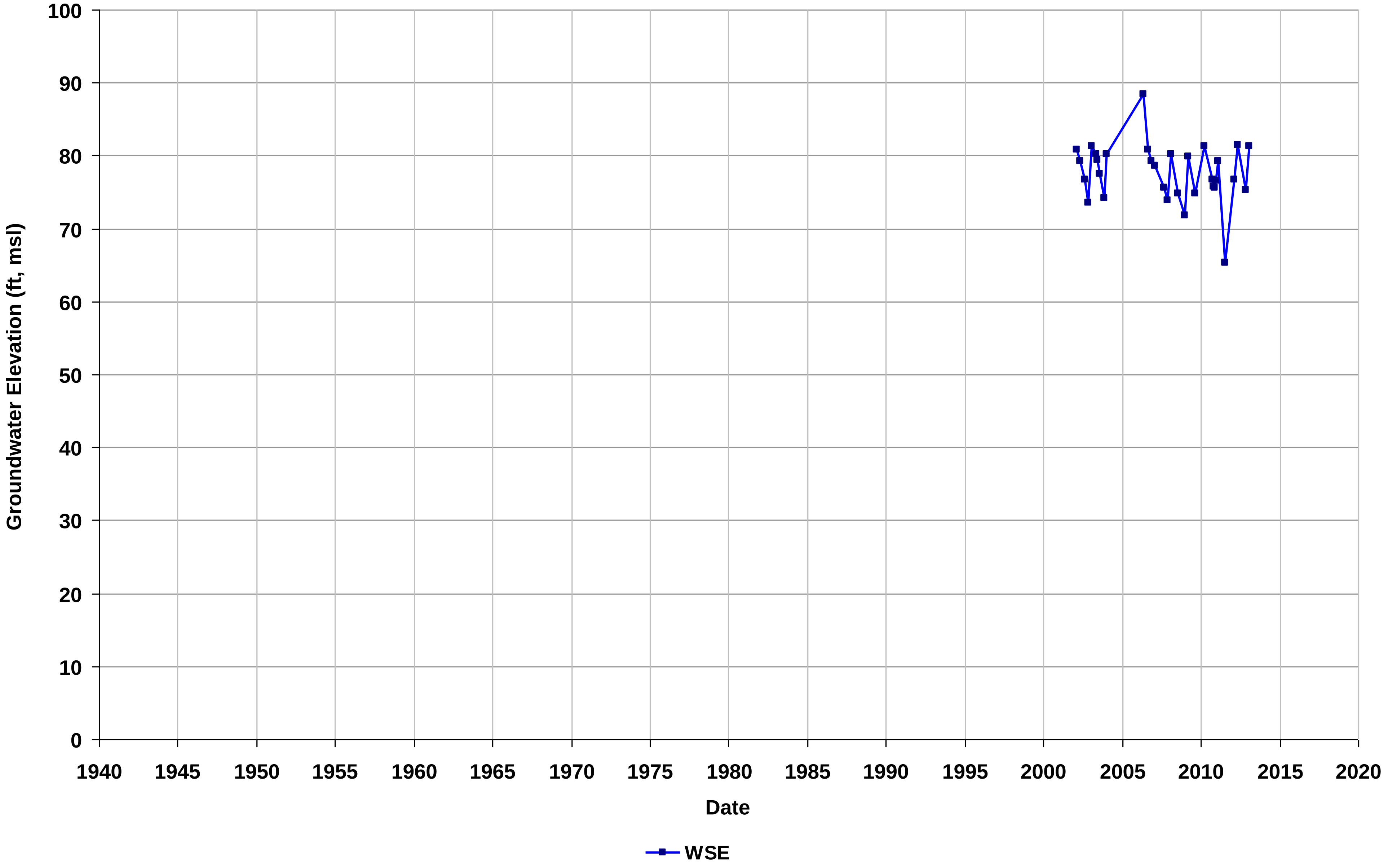
Well Name: T0601300702-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/08
Well Use: Observation



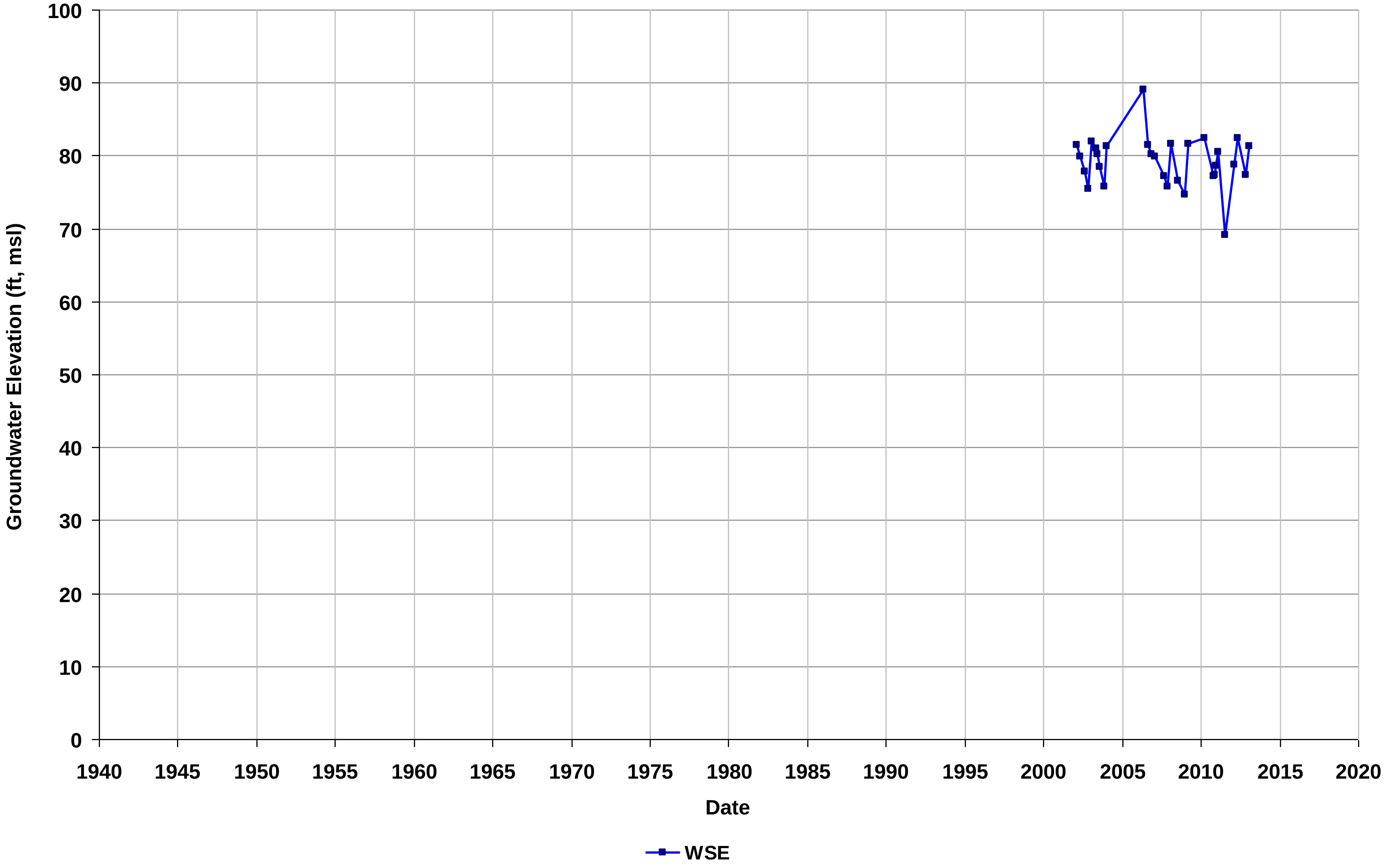
Well Name: T0601300702-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/08
Well Use: Observation



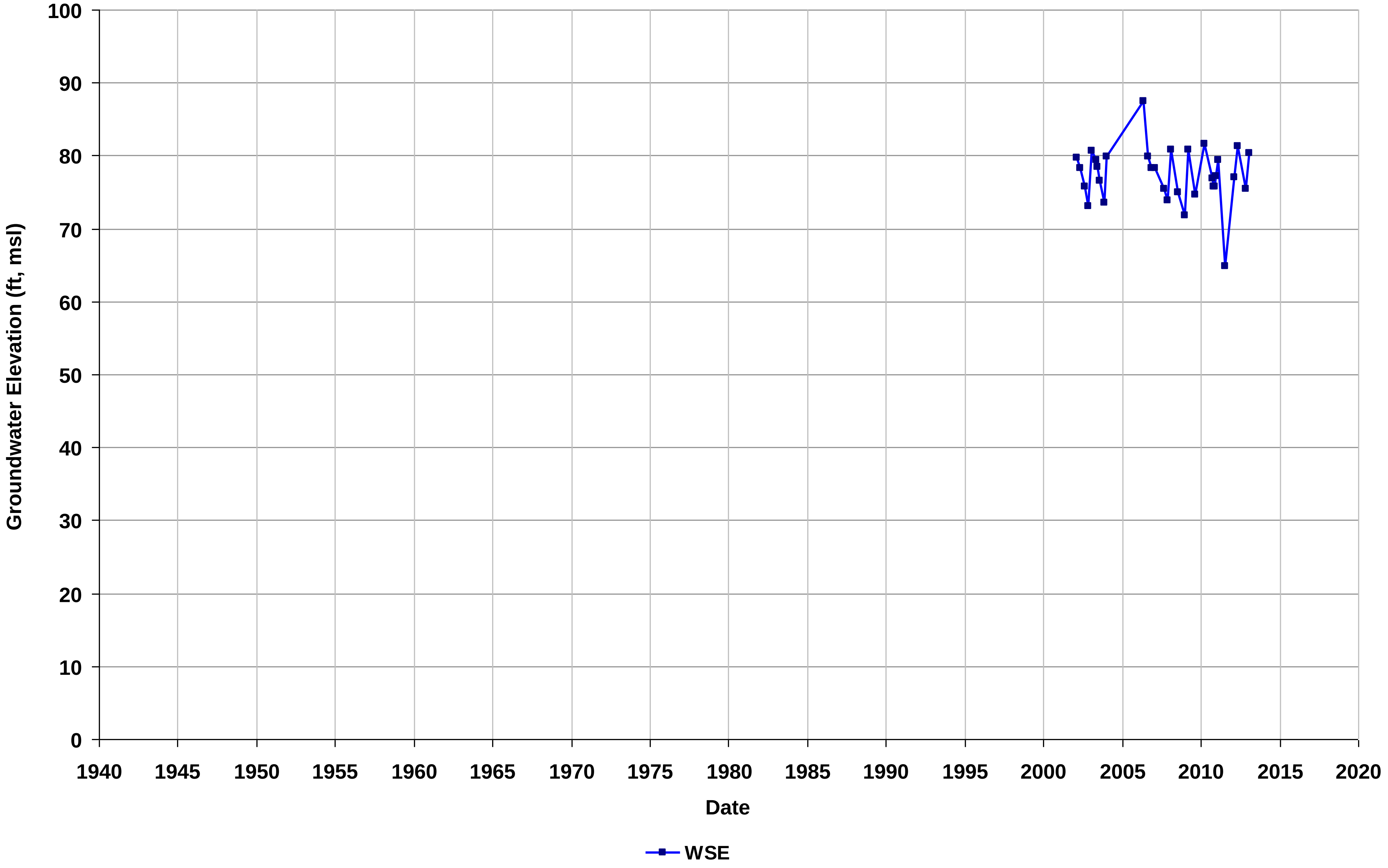
Well Name: T0601300702-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/08
Well Use: Observation



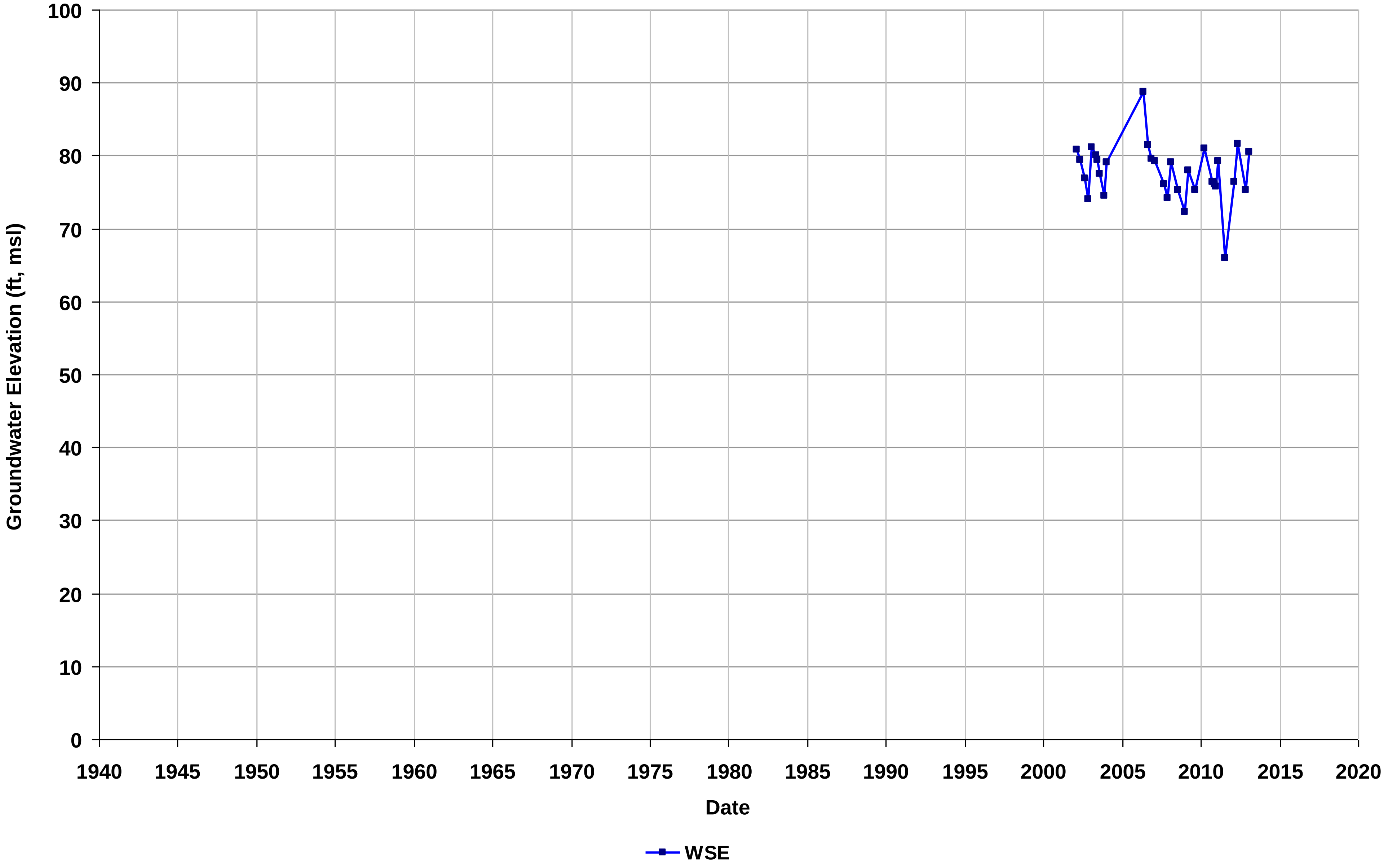
Well Name: T0601300702-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/08
Well Use: Observation



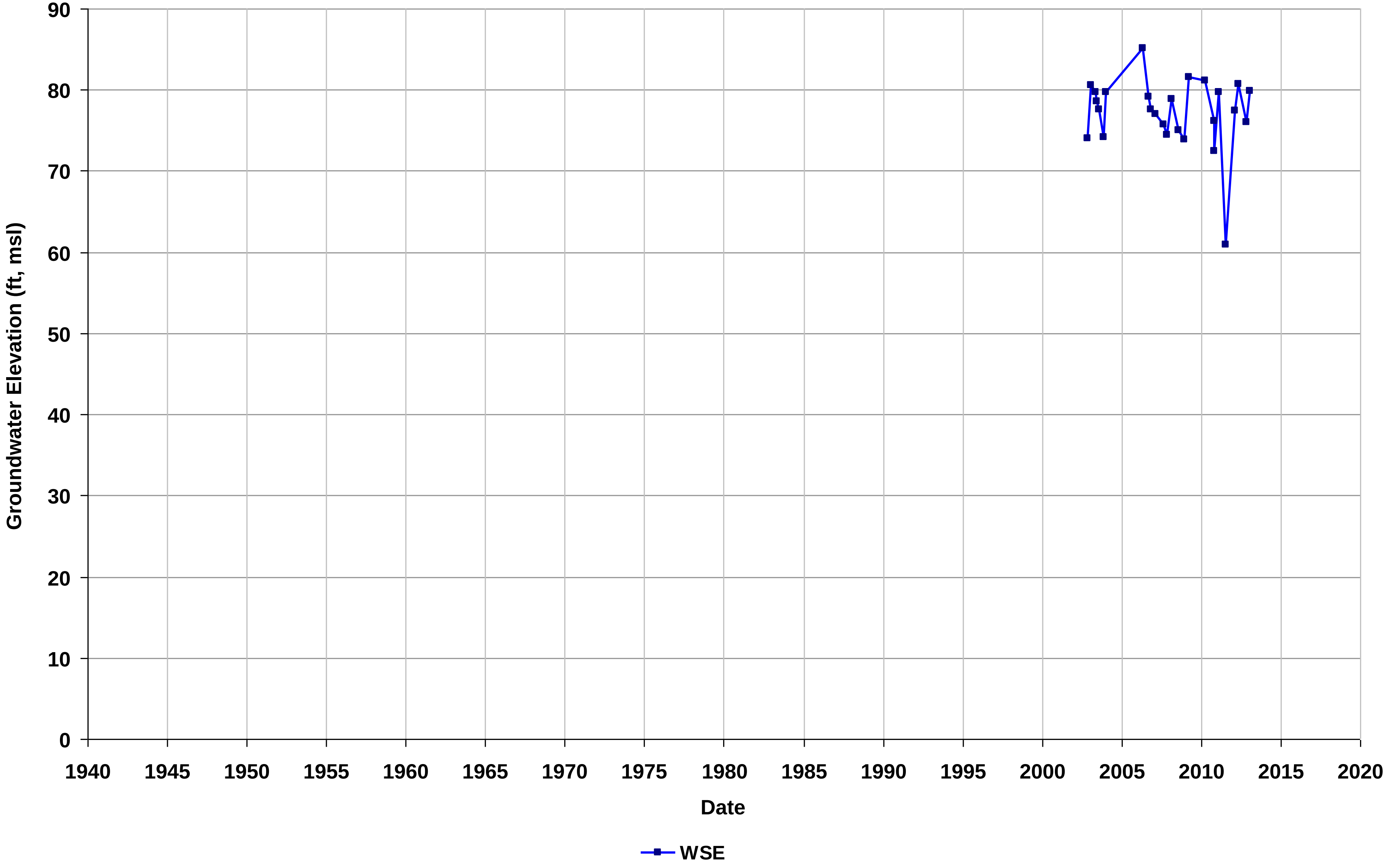
Well Name: T0601300702-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/08
Well Use: Observation



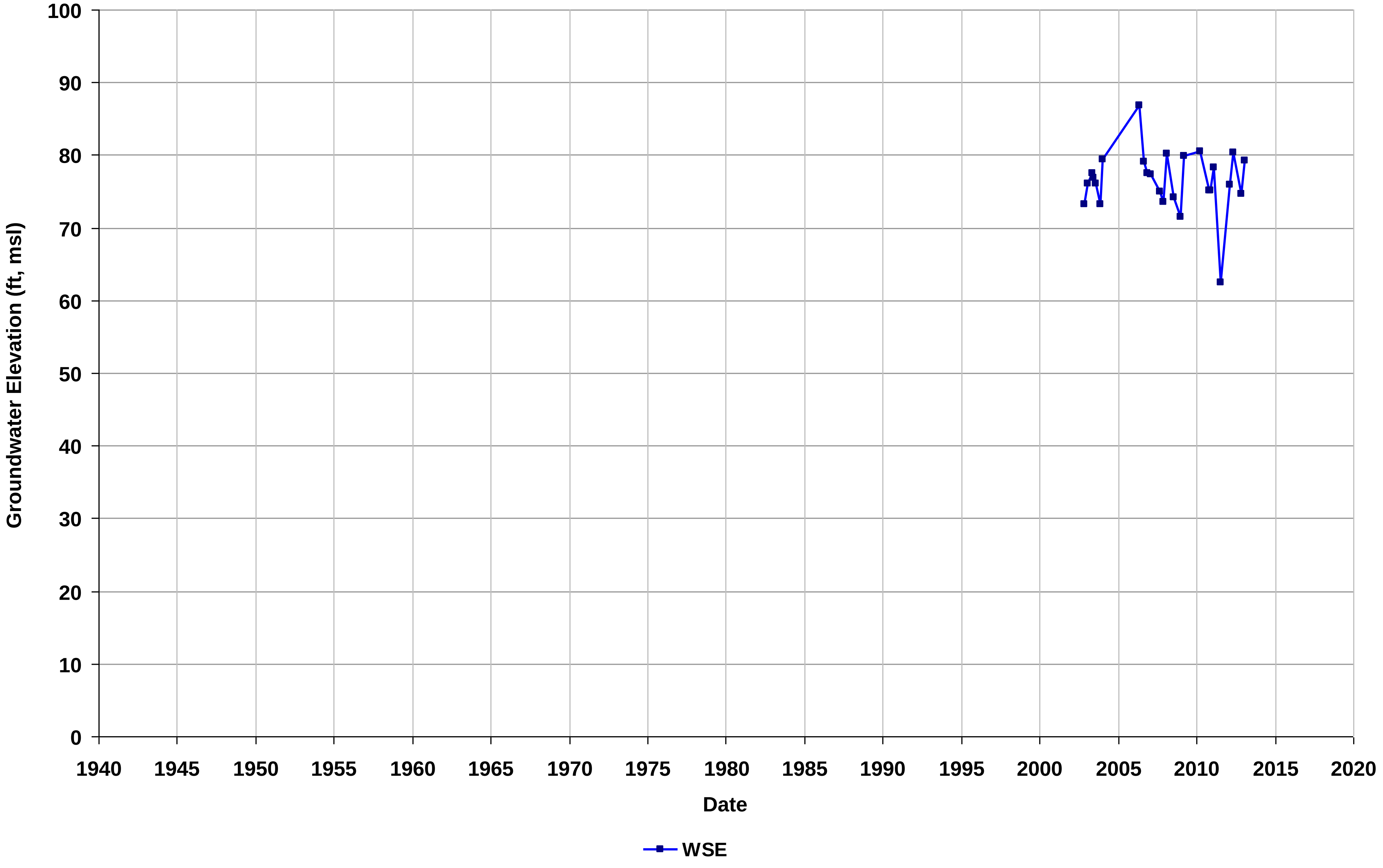
Well Name: T0601300702-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/08
Well Use: Observation



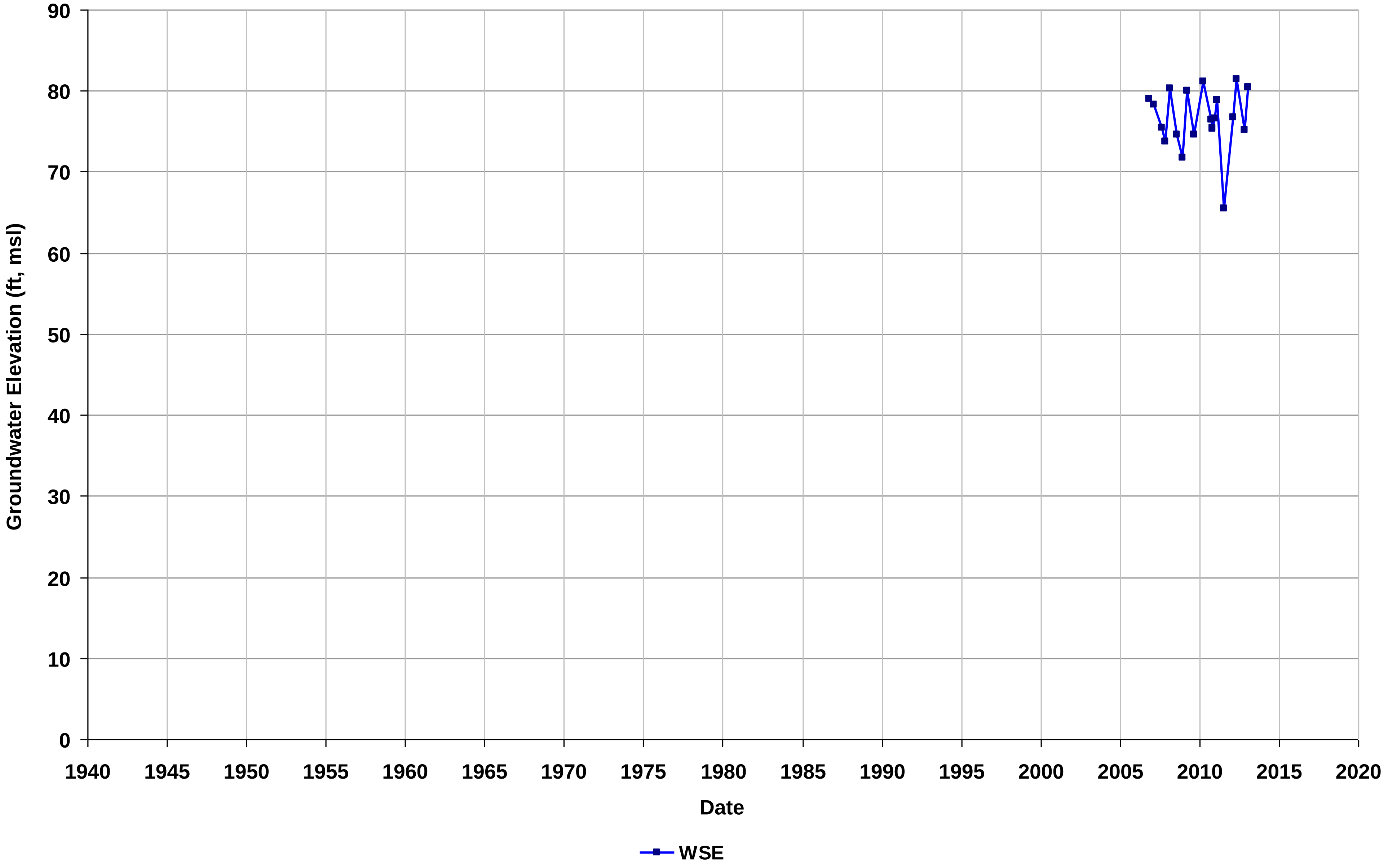
Well Name: T0601300702-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/08
Well Use: Observation



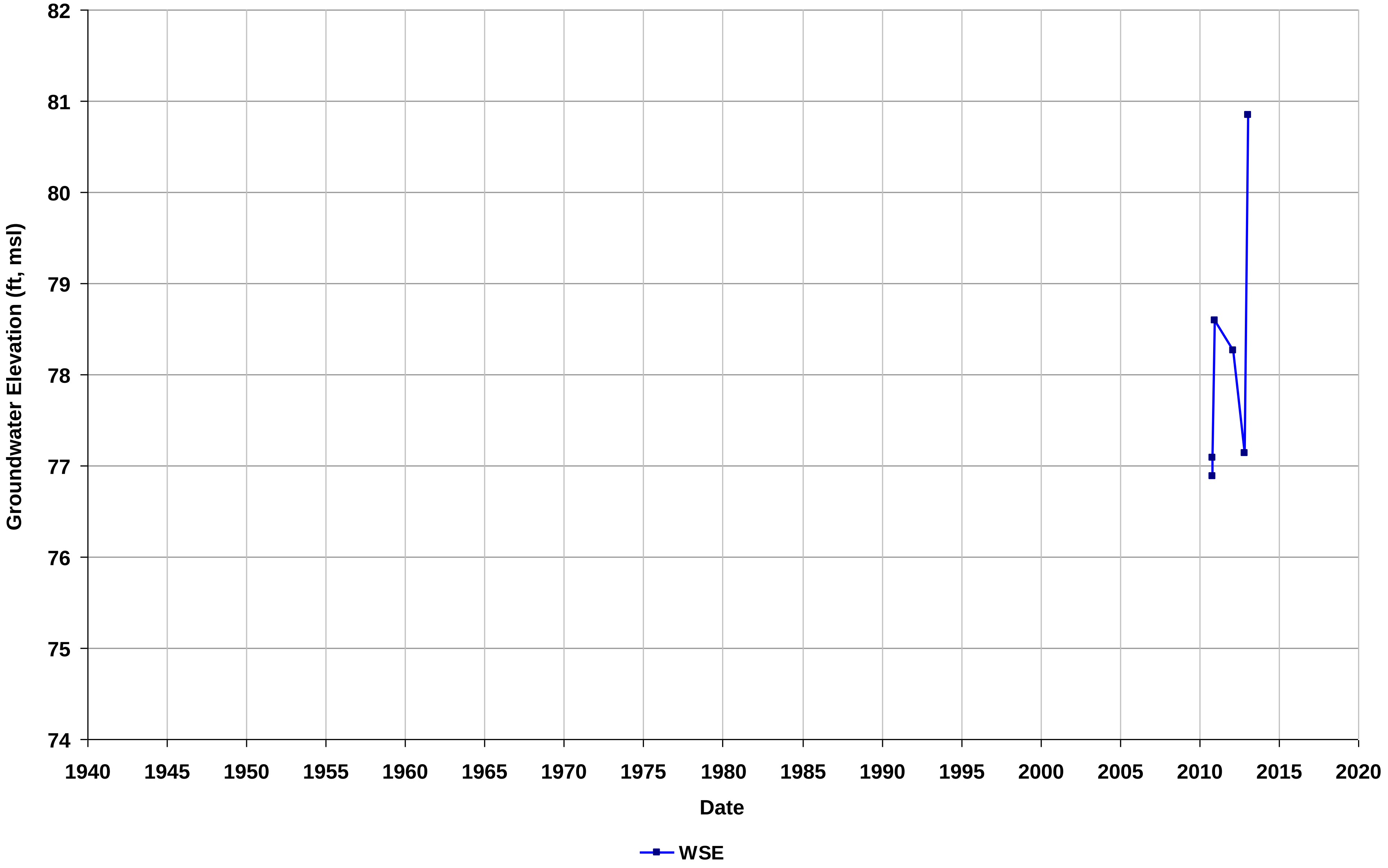
Well Name: T0601300702-MW-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/08
Well Use: Observation



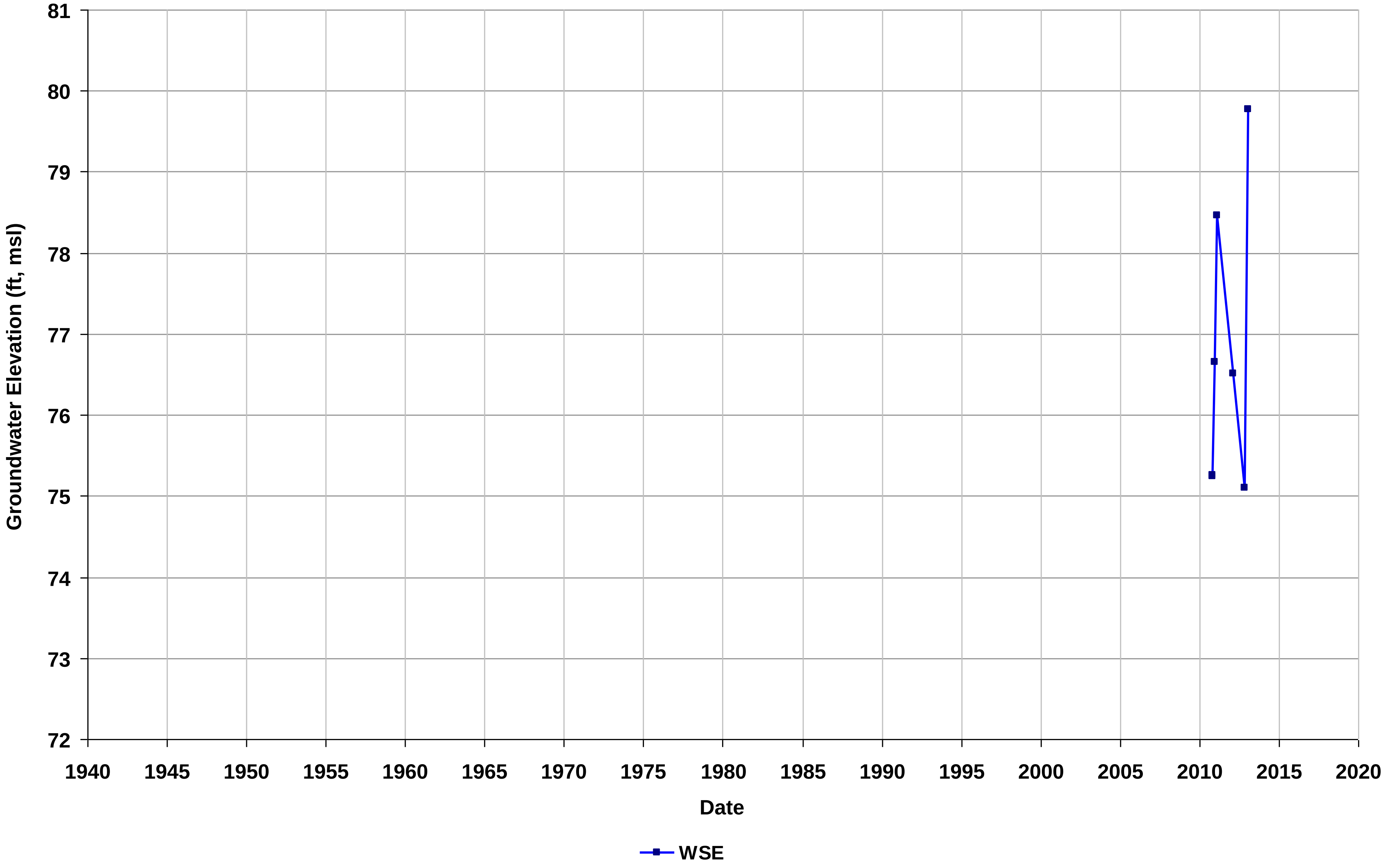
Well Name: T0601300702-SGI-IW-13
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/08
Well Use: Observation



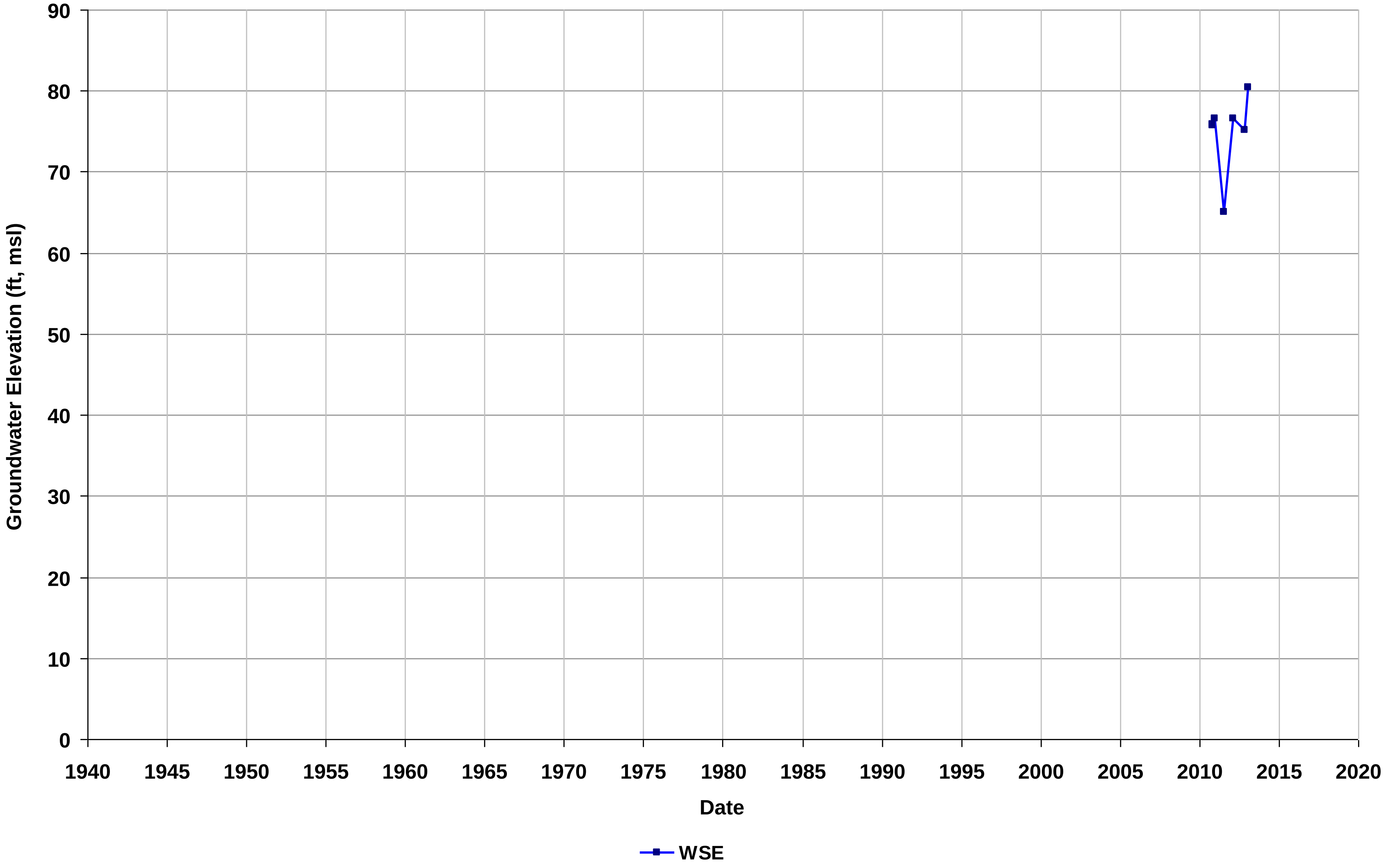
Well Name: T0601300702-SGI-IW-14
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/08
Well Use: Observation



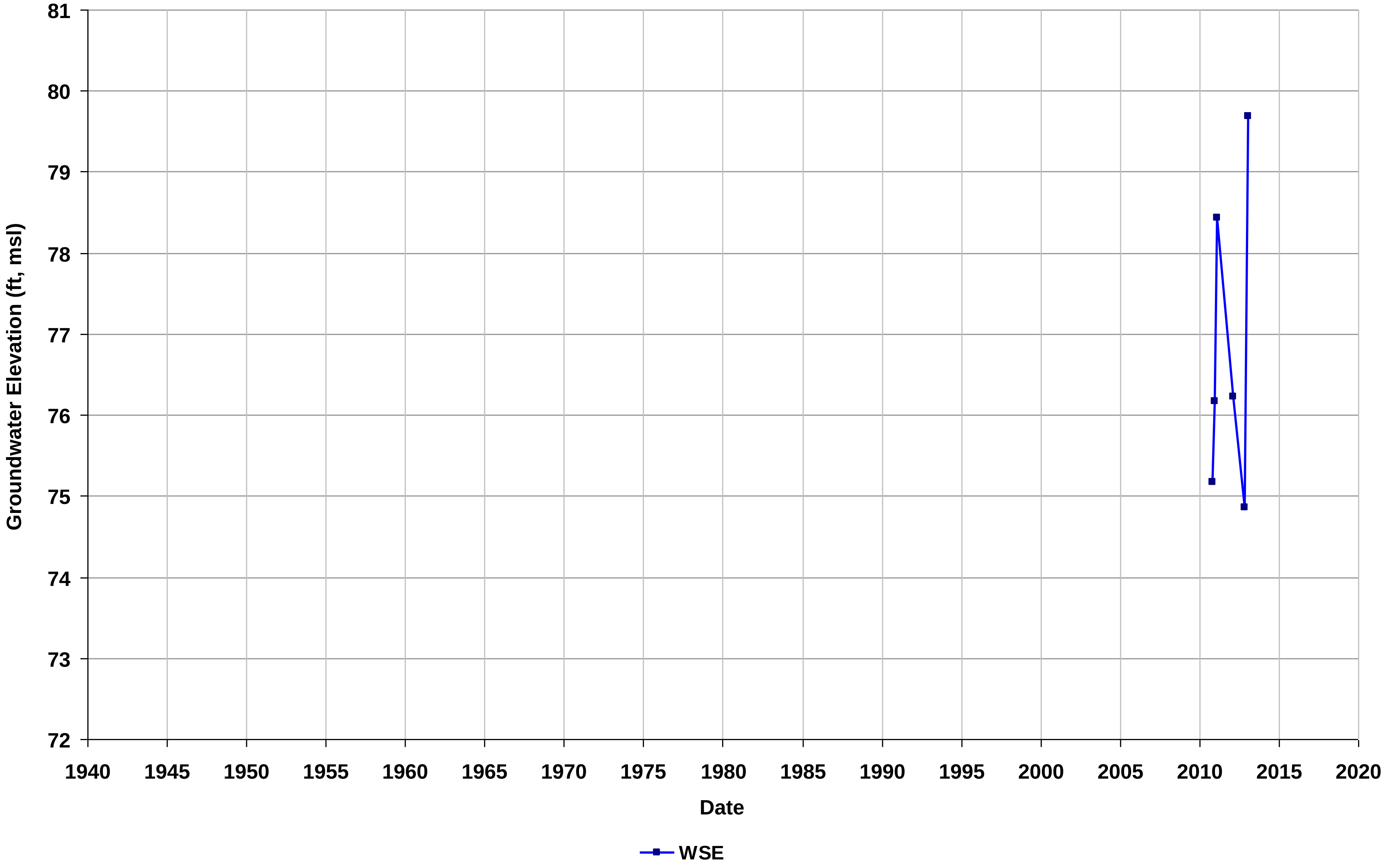
Well Name: T0601300702-SGI-IW-15
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/08
Well Use: Observation



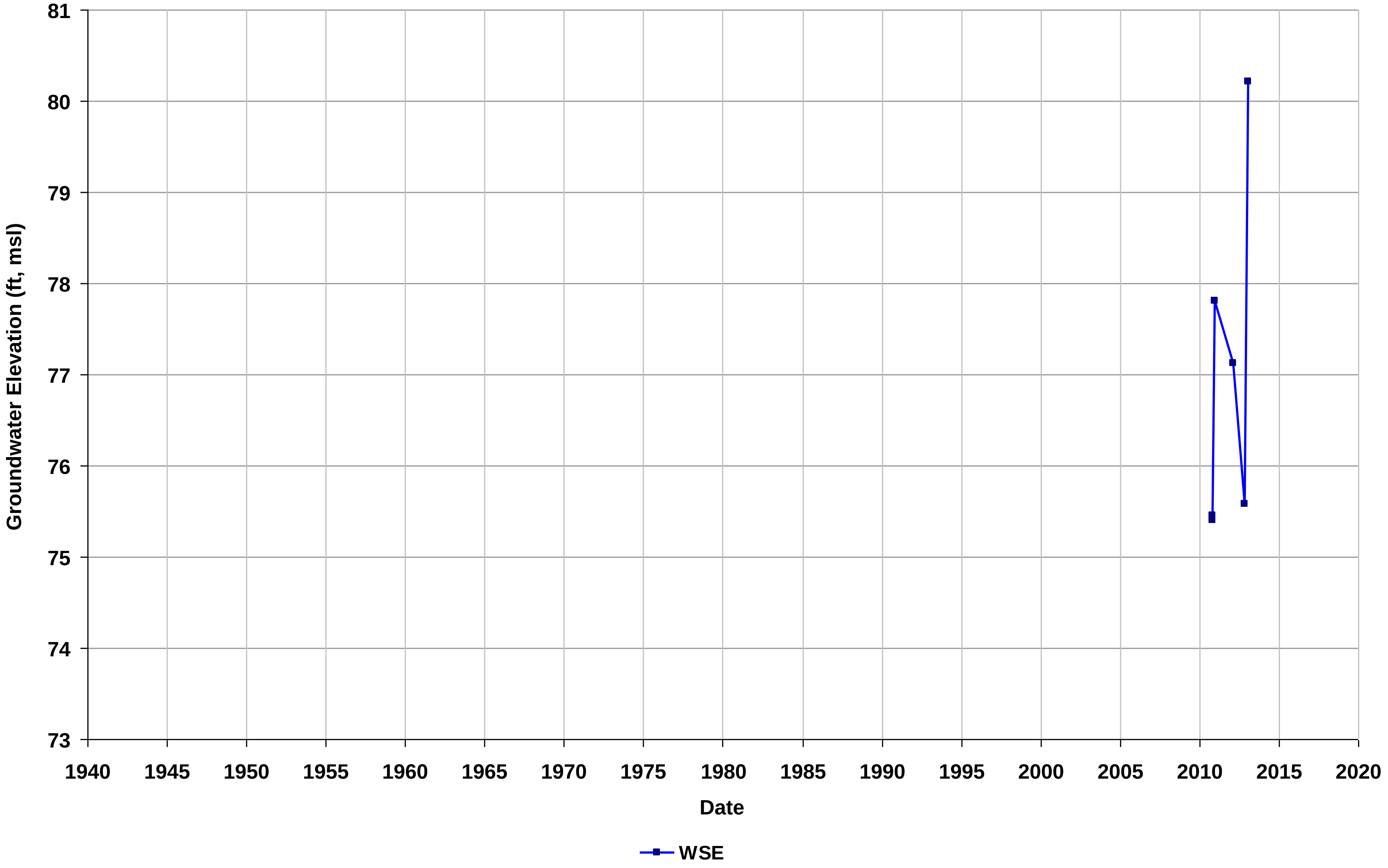
Well Name: T0601300702-SGI-IW-16
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/08
Well Use: Observation



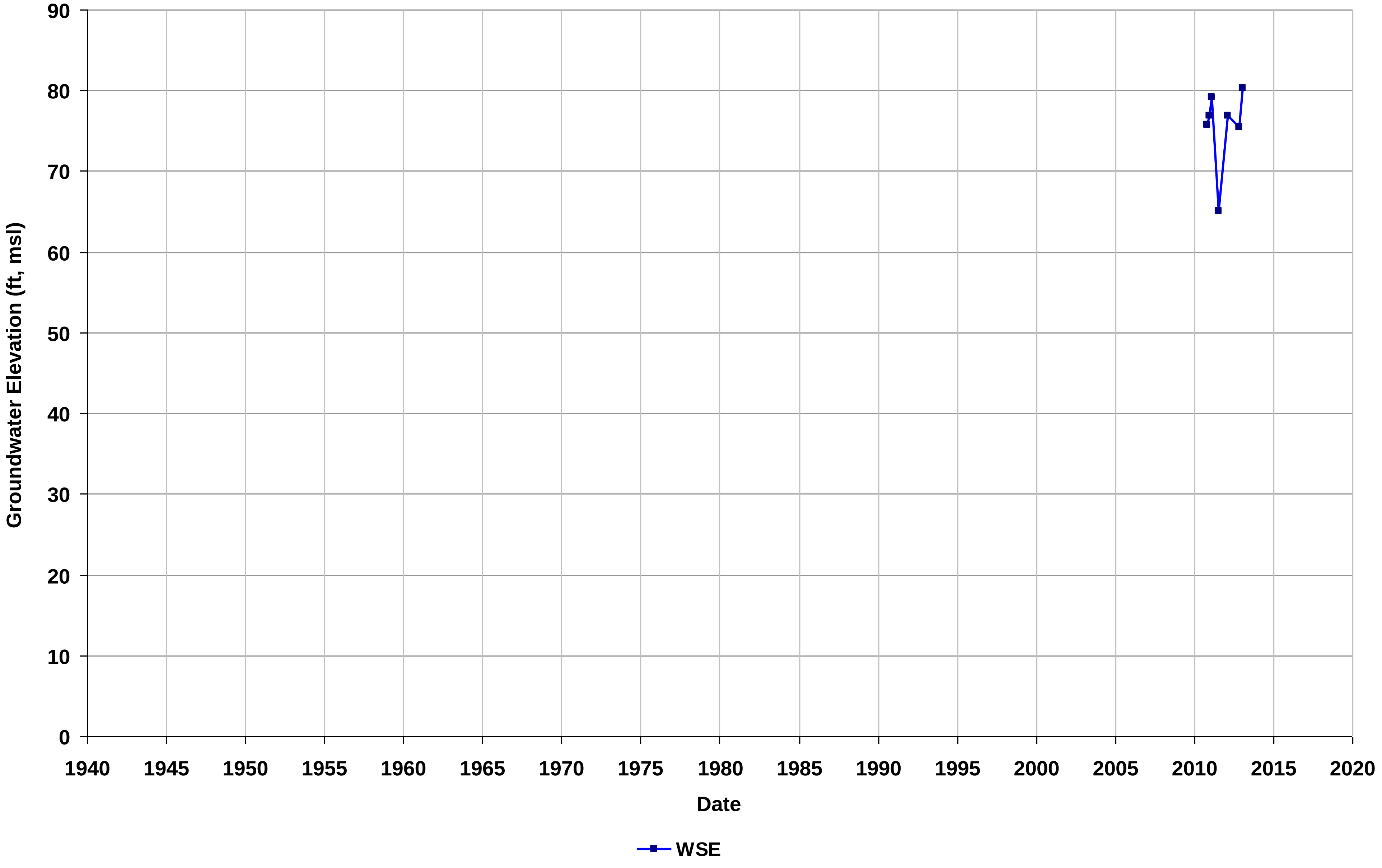
Well Name: T0601300702-SGI-IW-17
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/08
Well Use: Observation



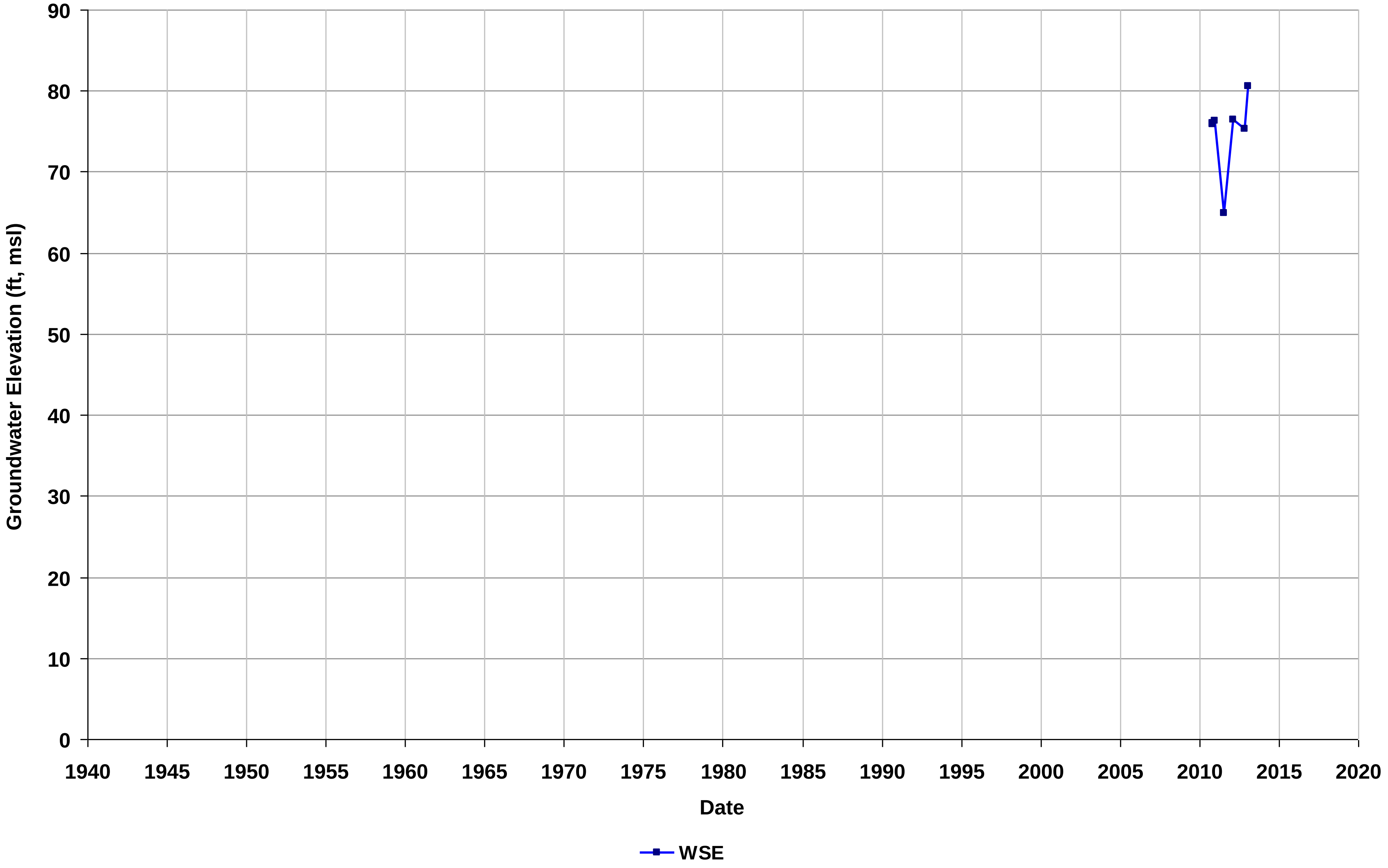
Well Name: T0601300702-SGI-IW-18
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/08
Well Use: Observation



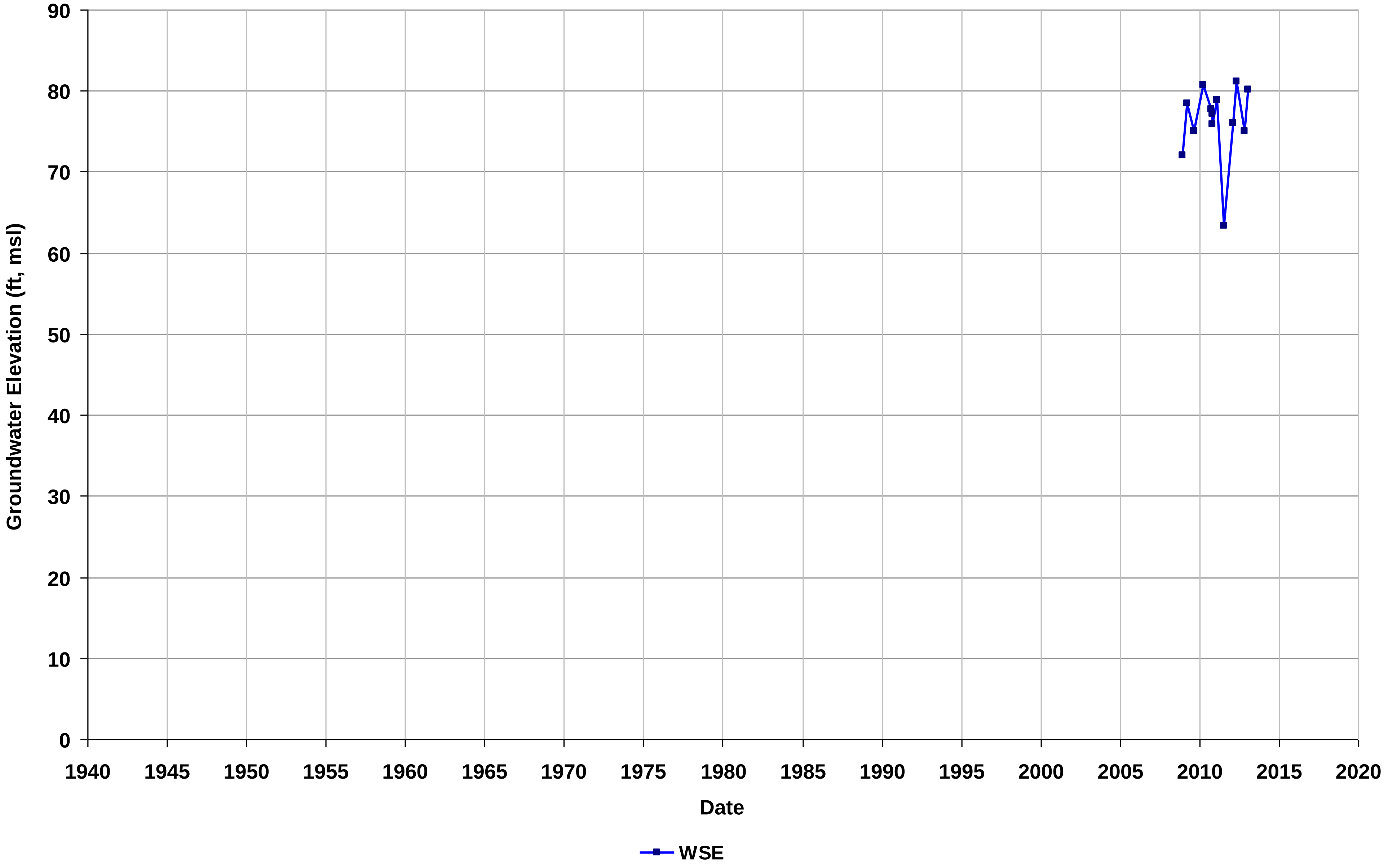
Well Name: T0601300702-SGI-IW-19
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/08
Well Use: Observation



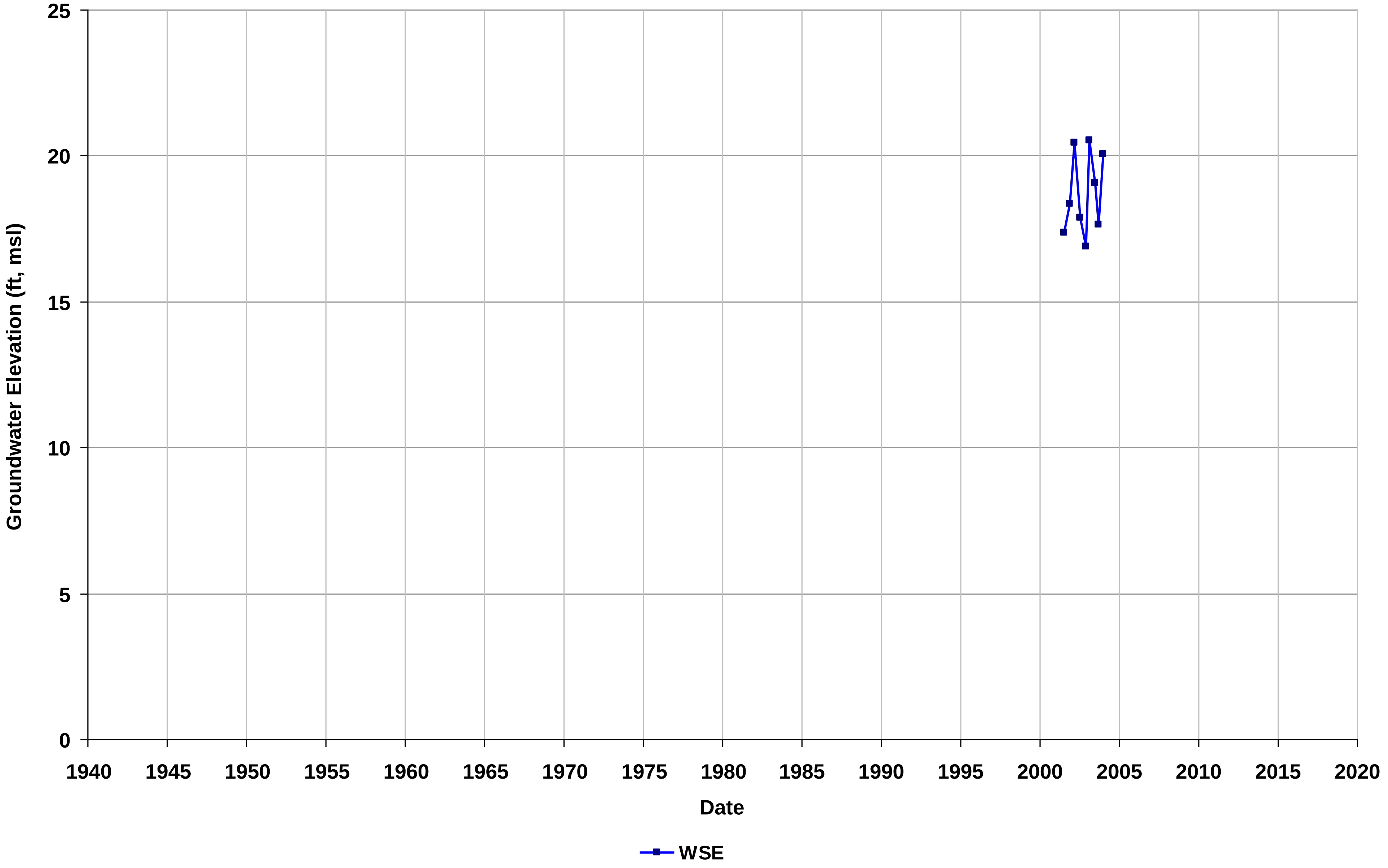
Well Name: T0601300702-SGI-MW-12
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/08
Well Use: Observation



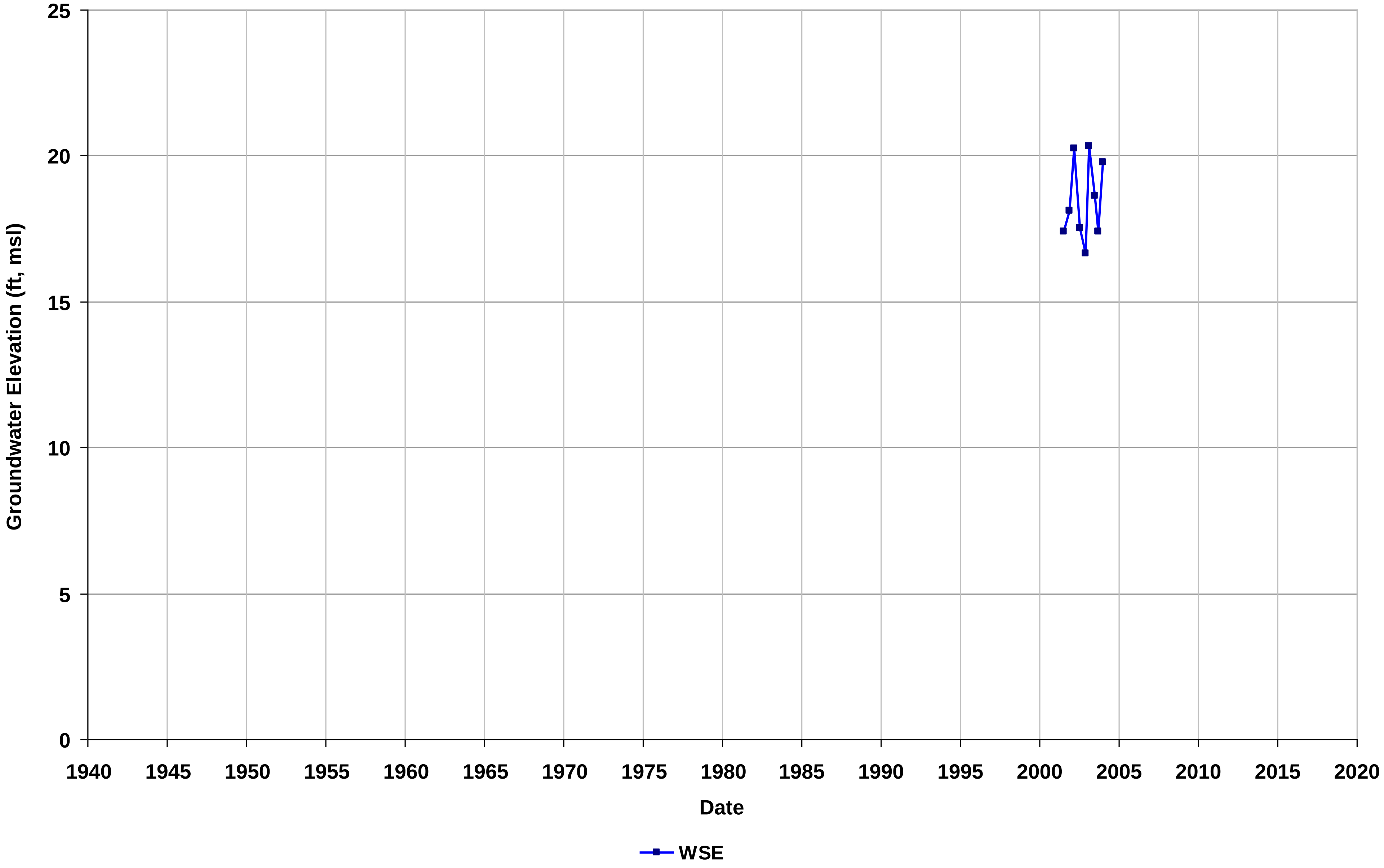
Well Name: T0601300708-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/12
Well Use: Observation



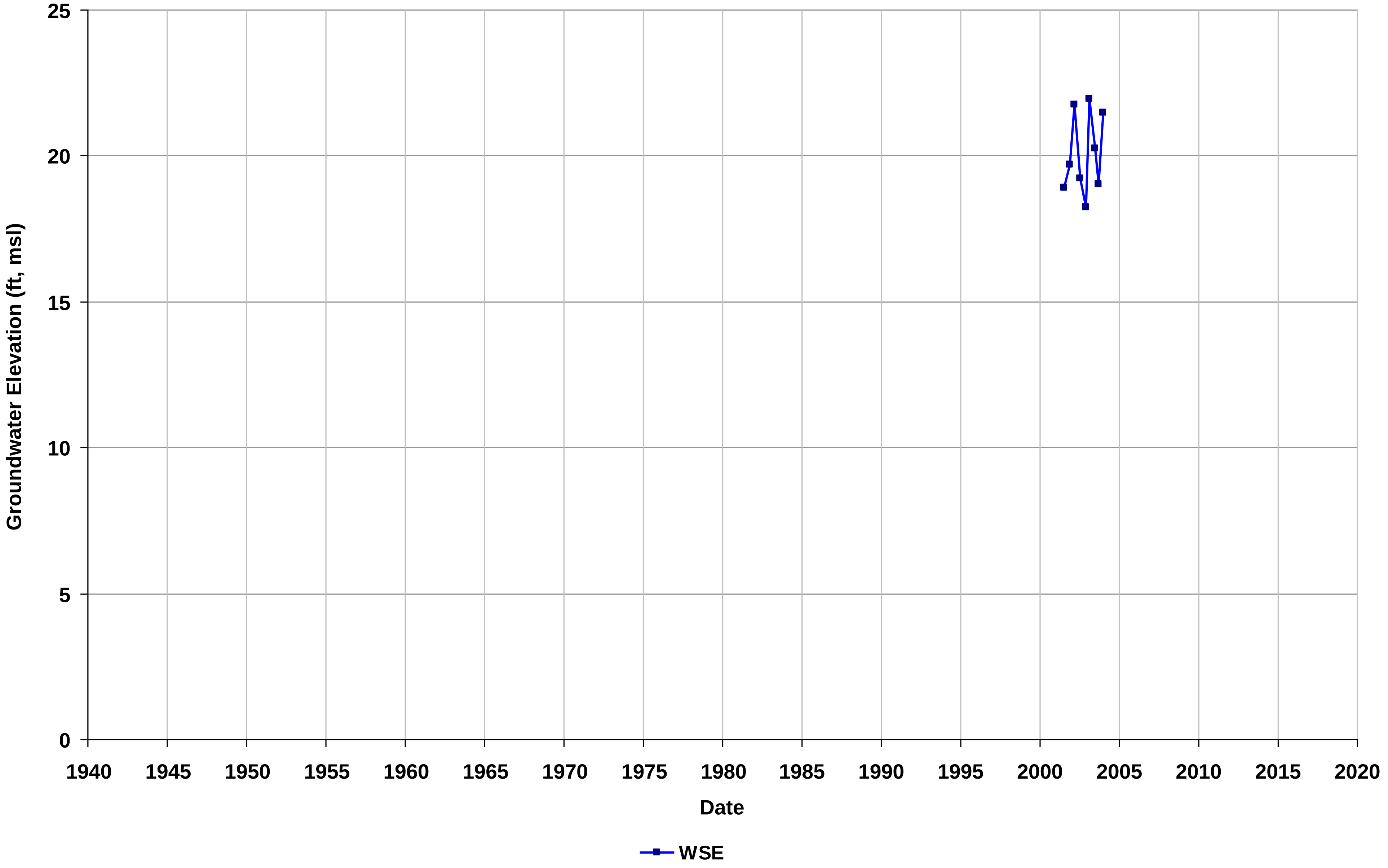
Well Name: T0601300708-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/12
Well Use: Observation



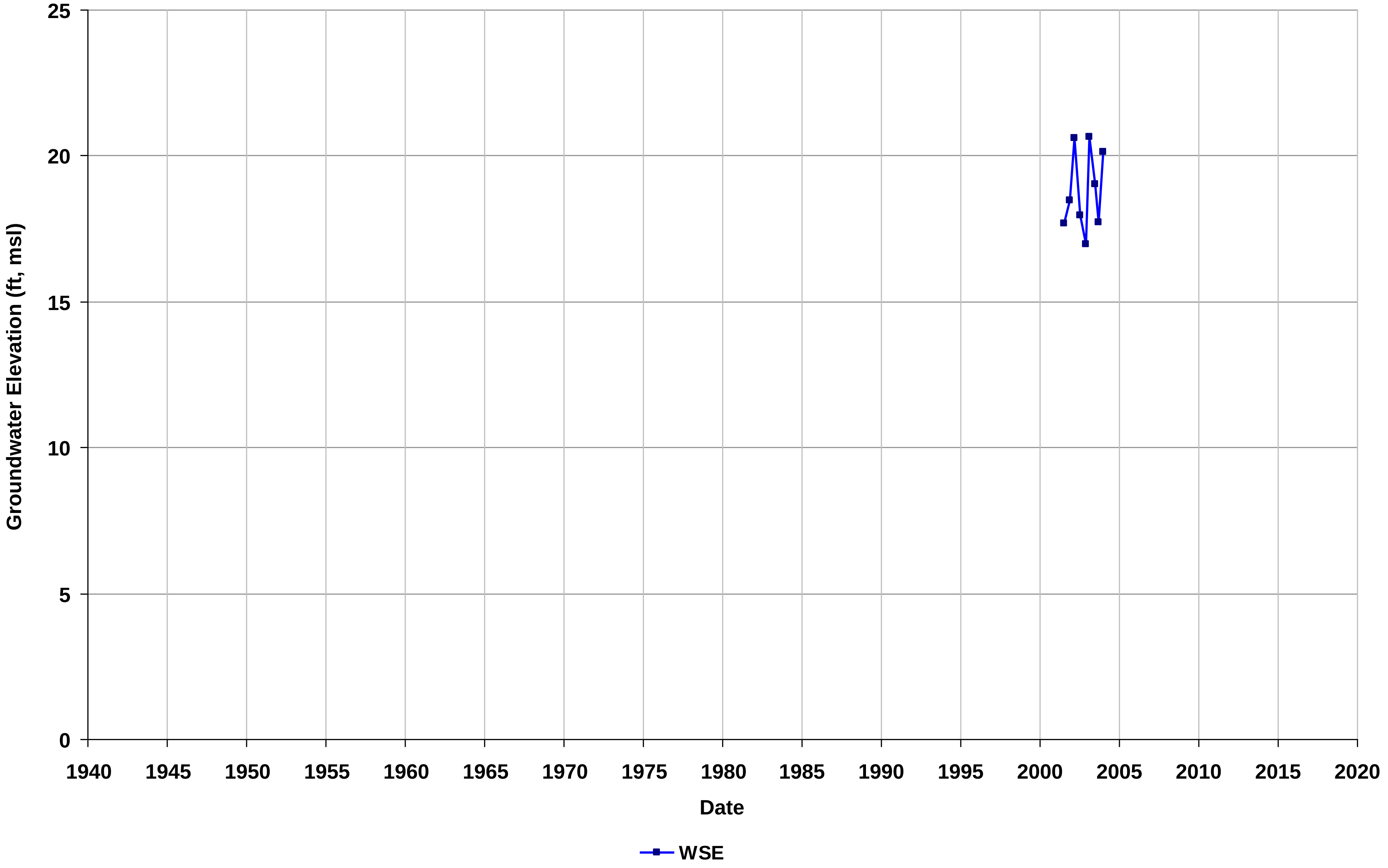
Well Name: T0601300708-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/12
Well Use: Observation



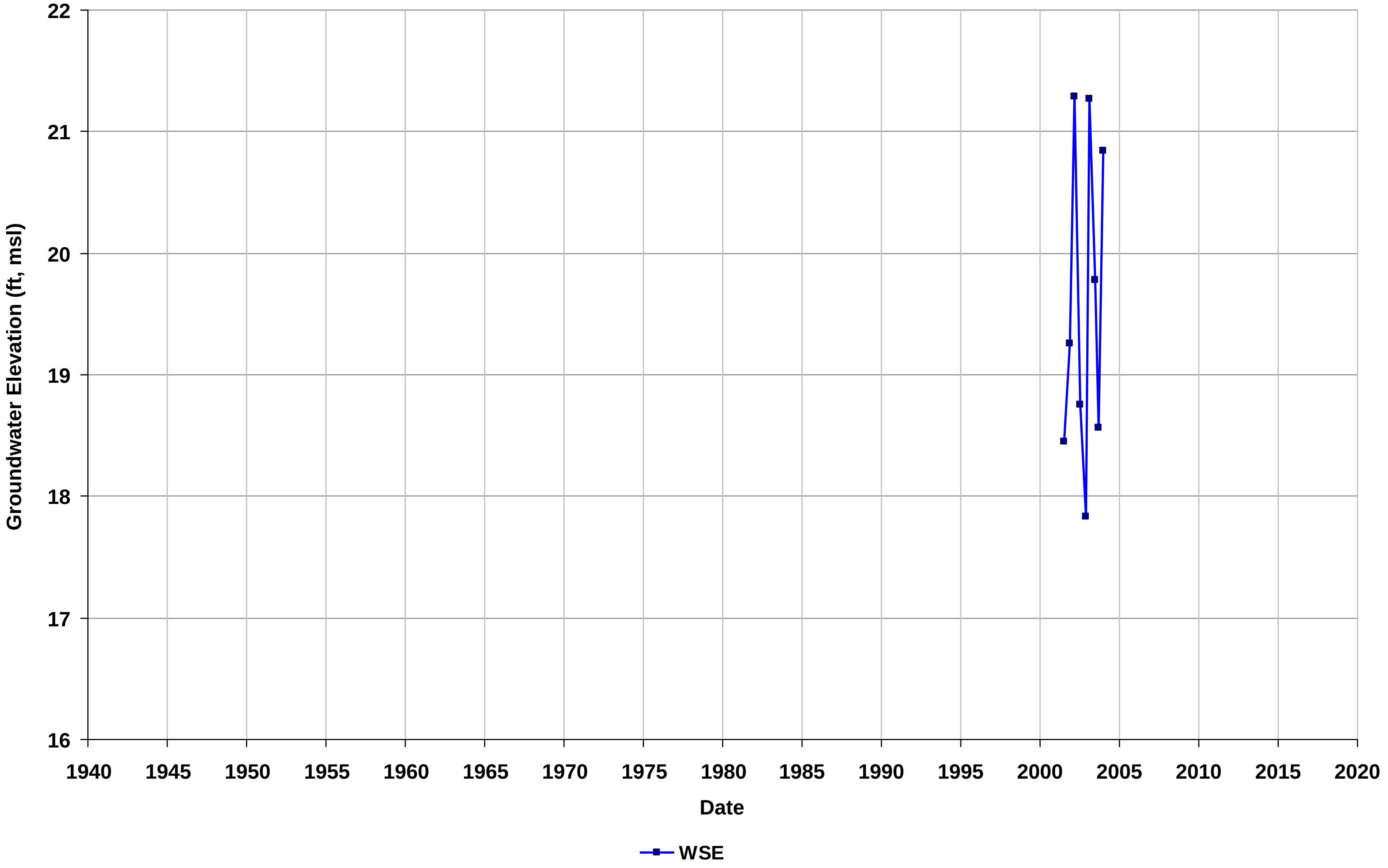
Well Name: T0601300708-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/12
Well Use: Observation



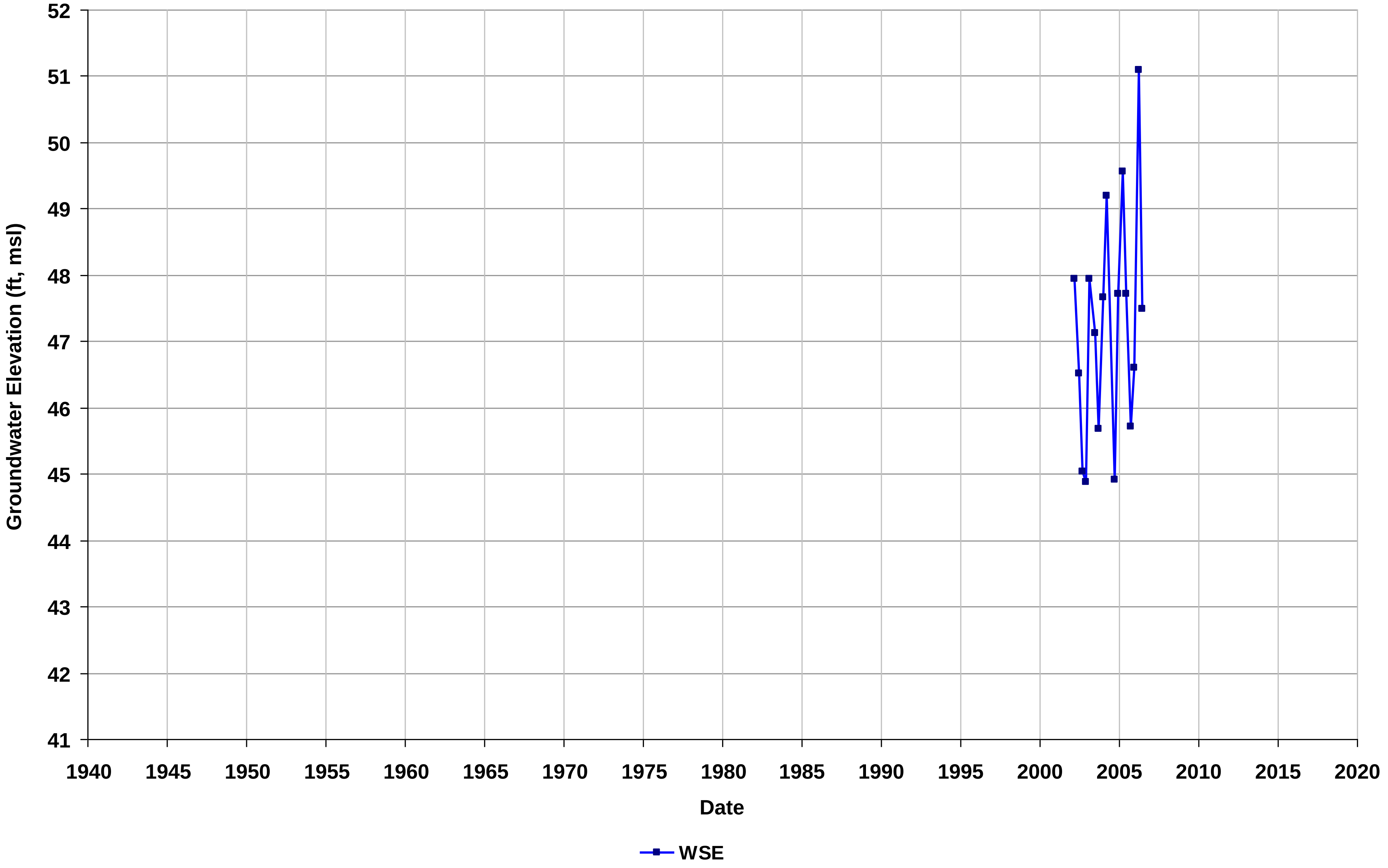
Well Name: T0601300708-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/12
Well Use: Observation



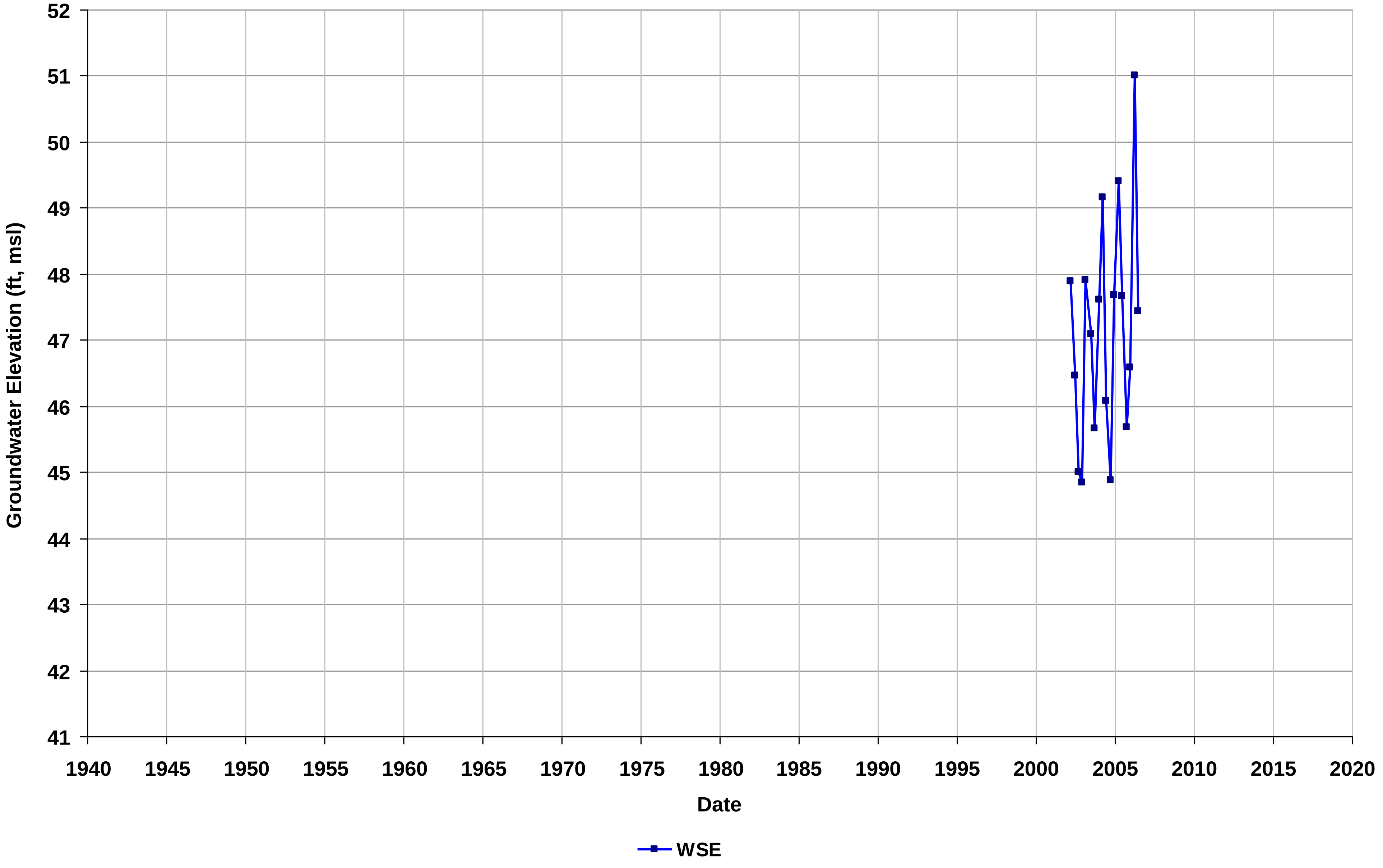
Well Name: T0601300710-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/17
Well Use: Observation



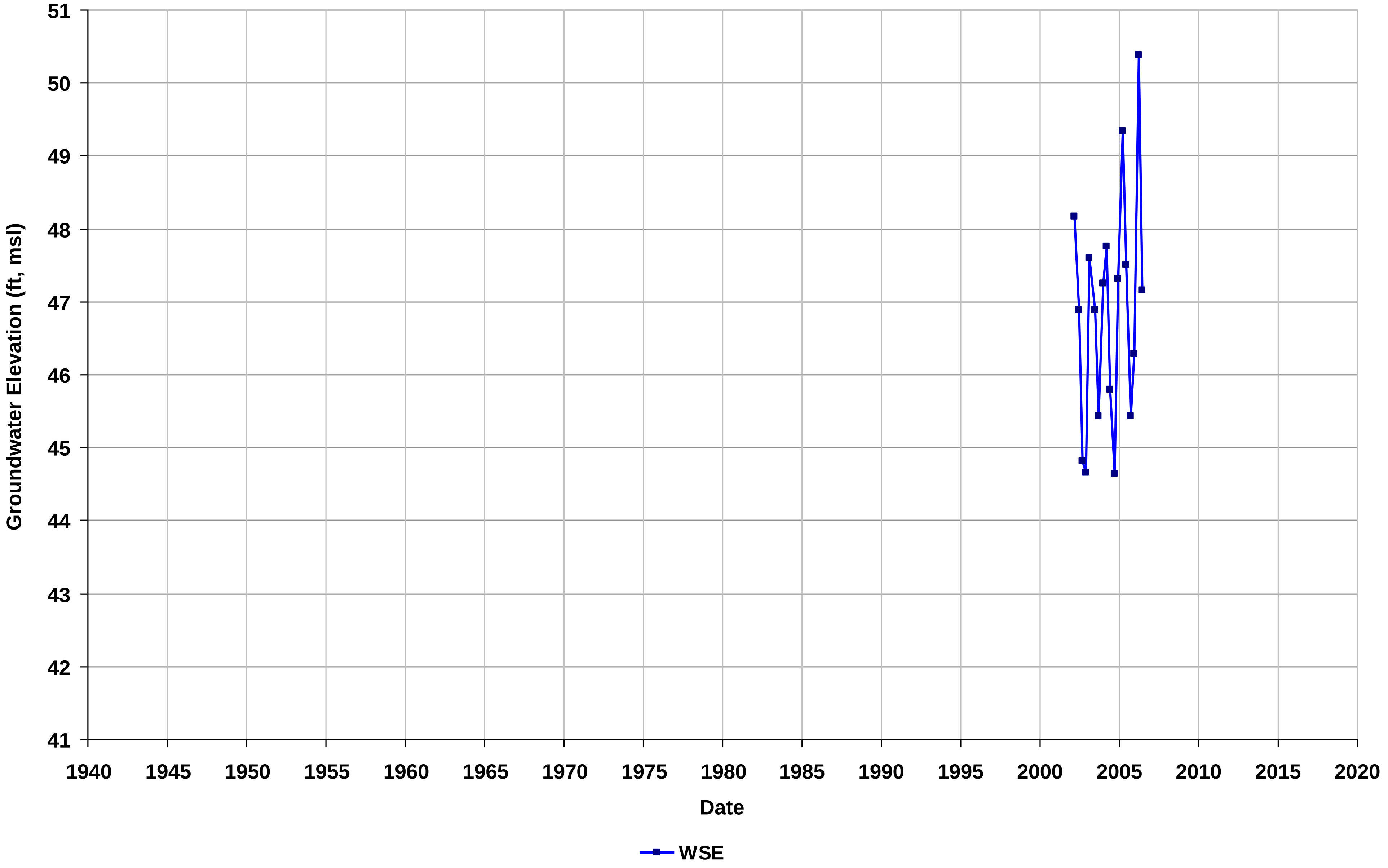
Well Name: T0601300710-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



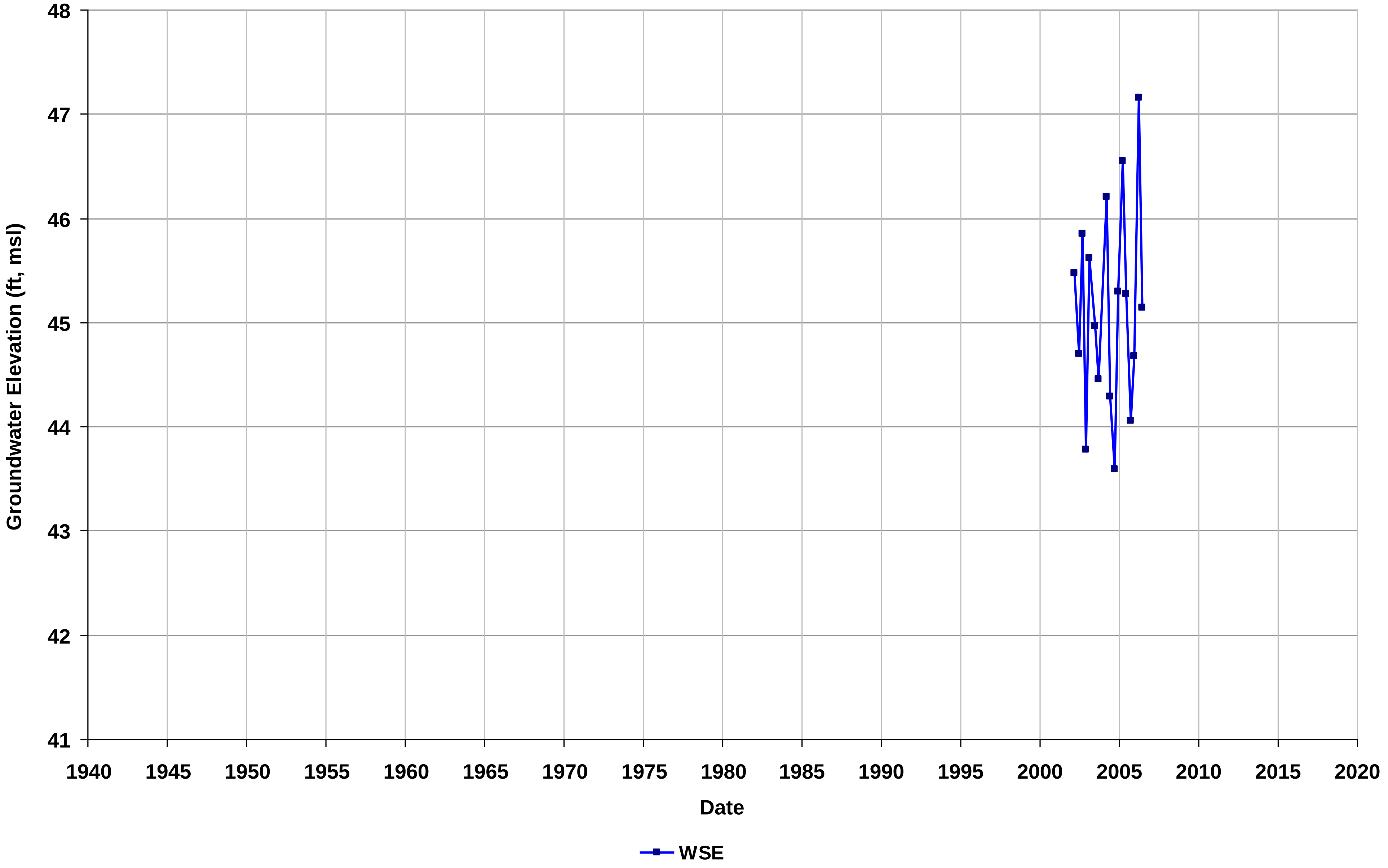
Well Name: T0601300710-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/17
Well Use: Observation



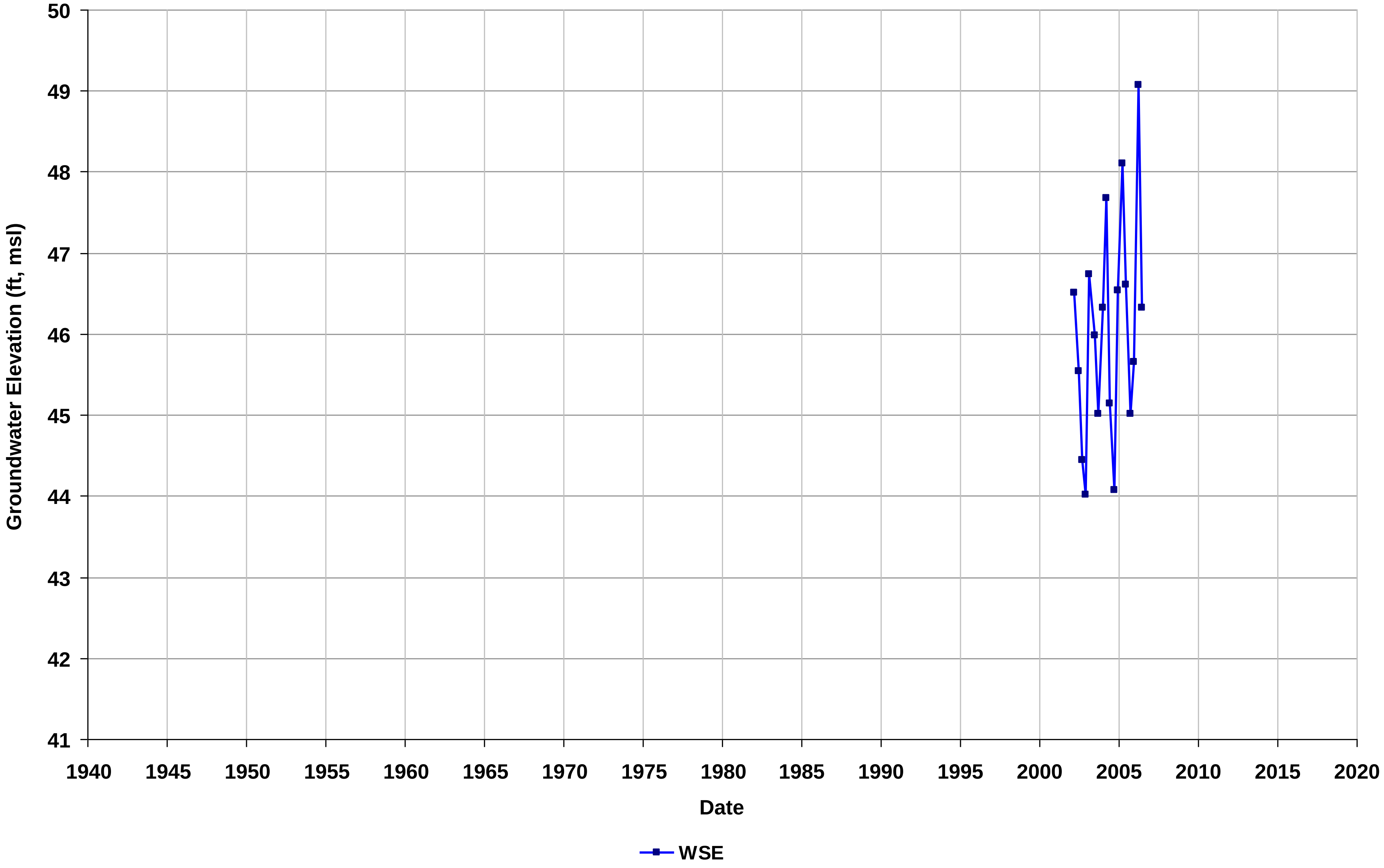
Well Name: T0601300710-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/17
Well Use: Observation



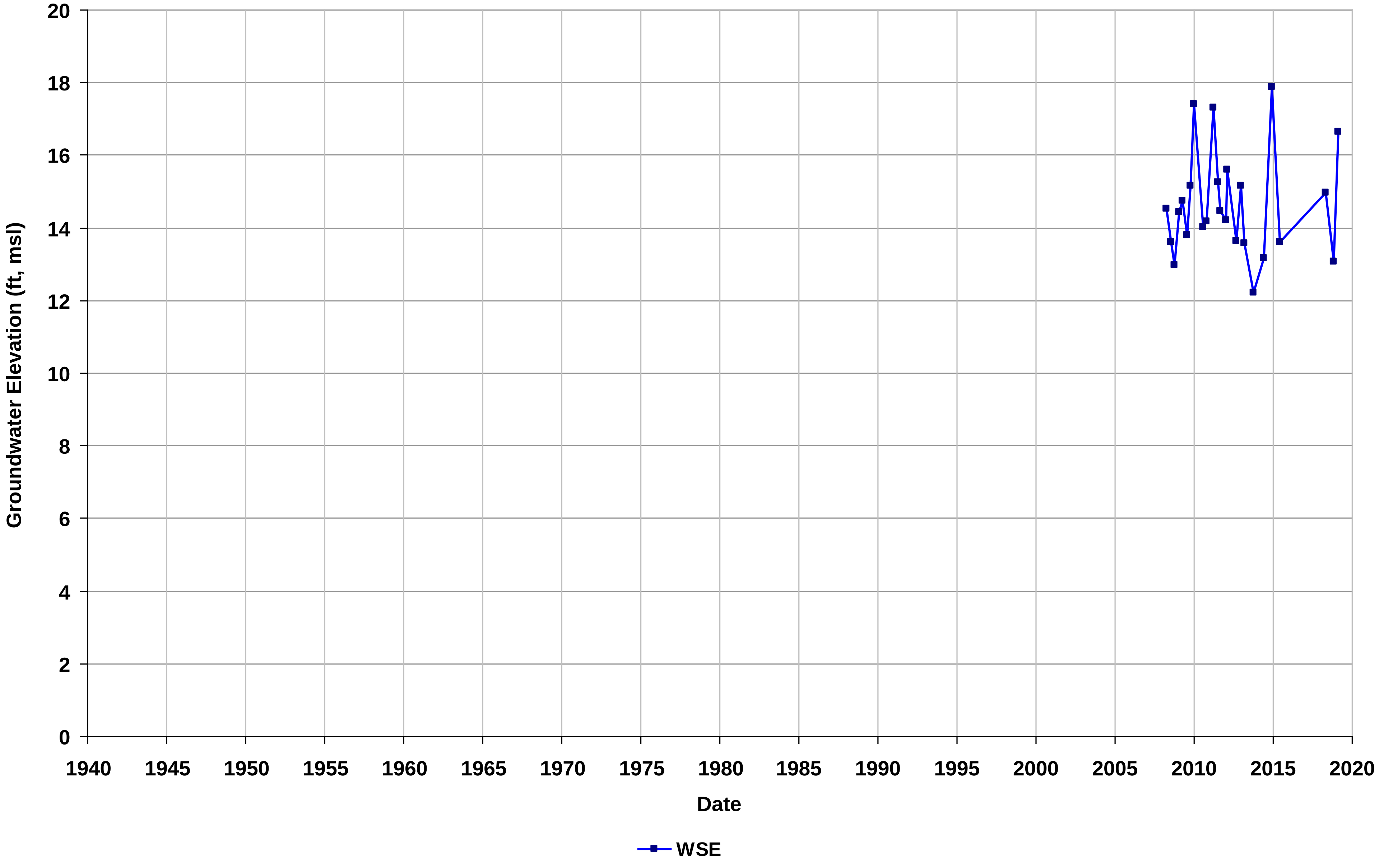
Well Name: T0601300710-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



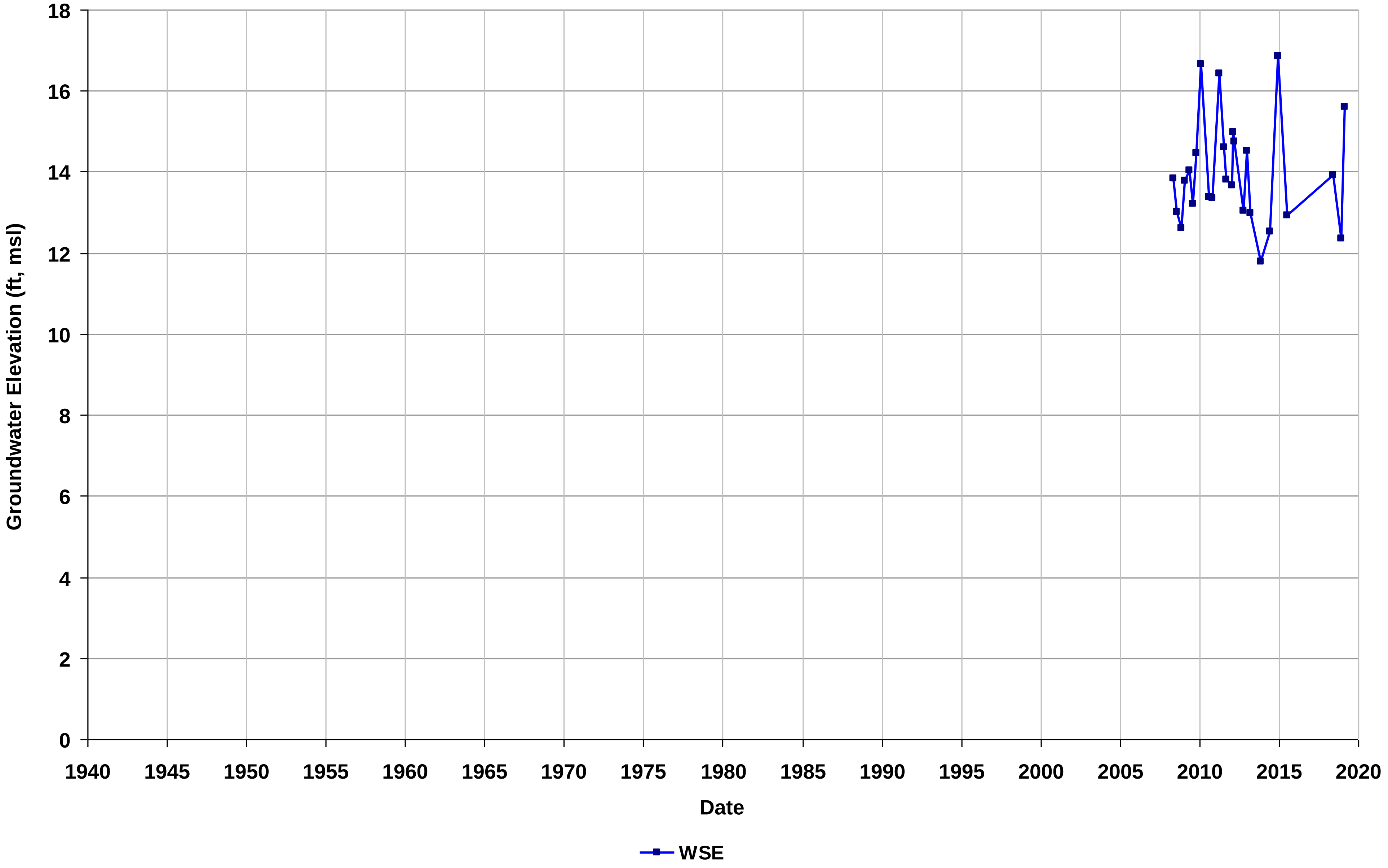
Well Name: T0601300712-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



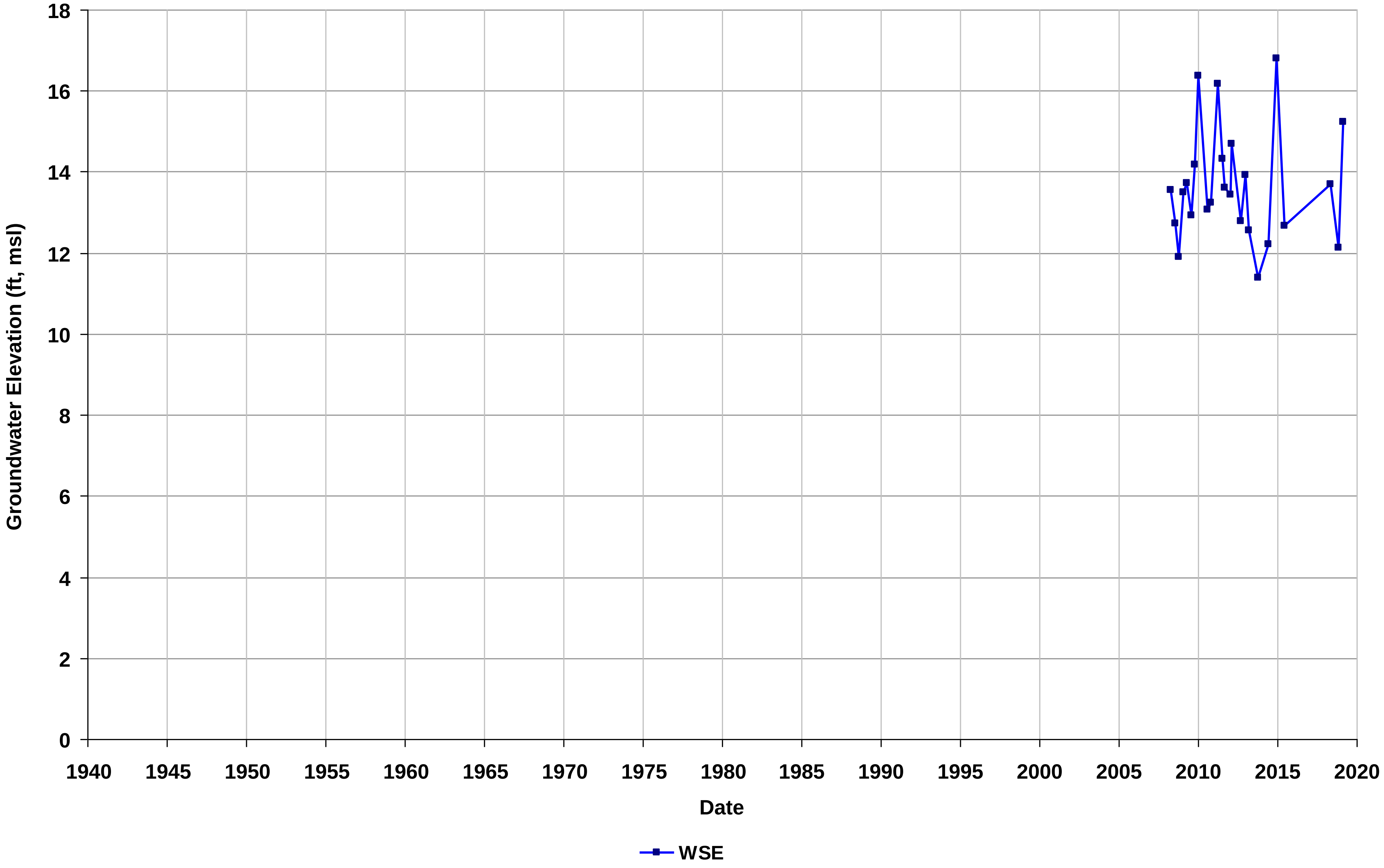
Well Name: T0601300712-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/19
Well Use: Observation



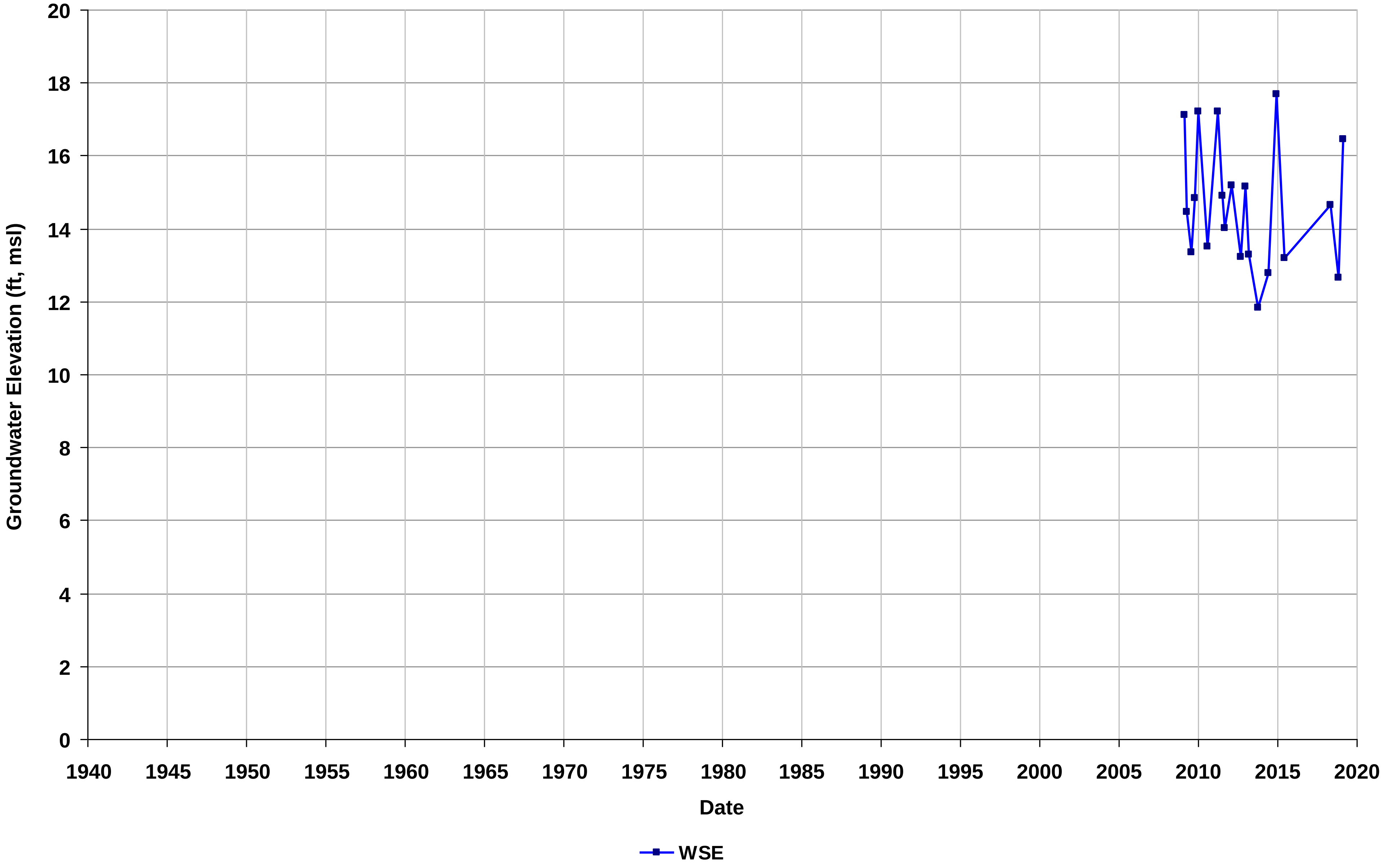
Well Name: T0601300712-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/19
Well Use: Observation



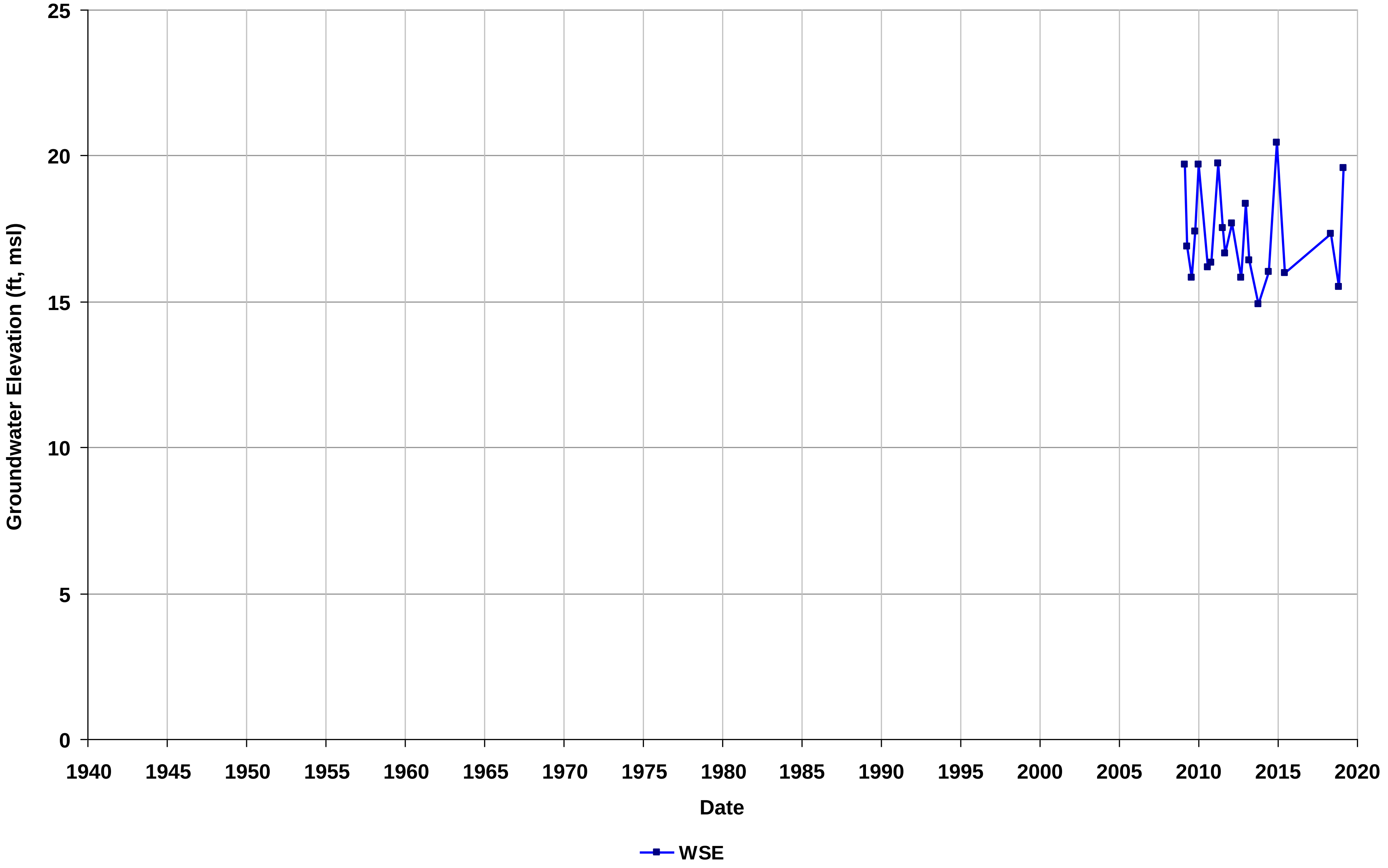
Well Name: T0601300712-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



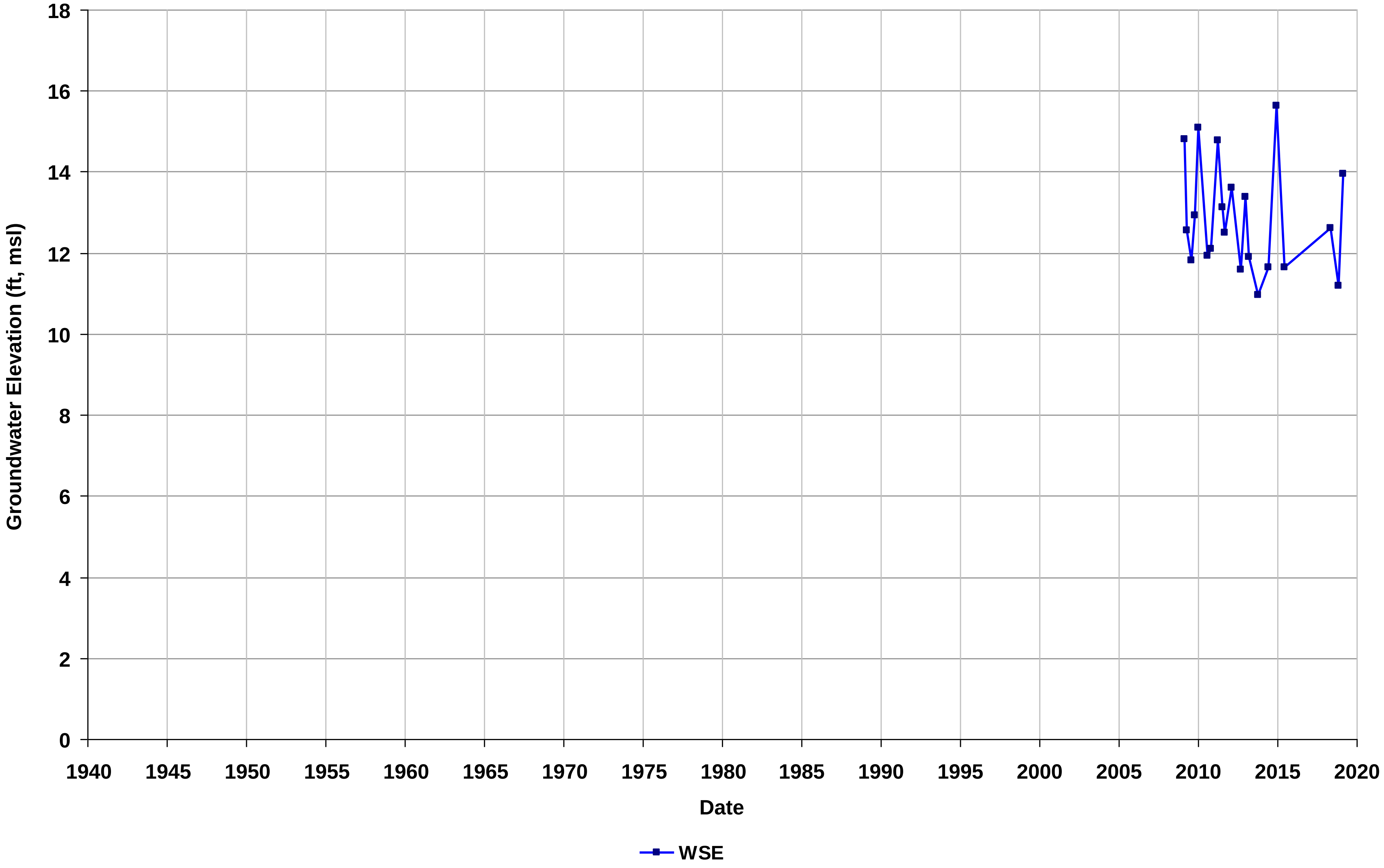
Well Name: T0601300712-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/18
Well Use: Observation



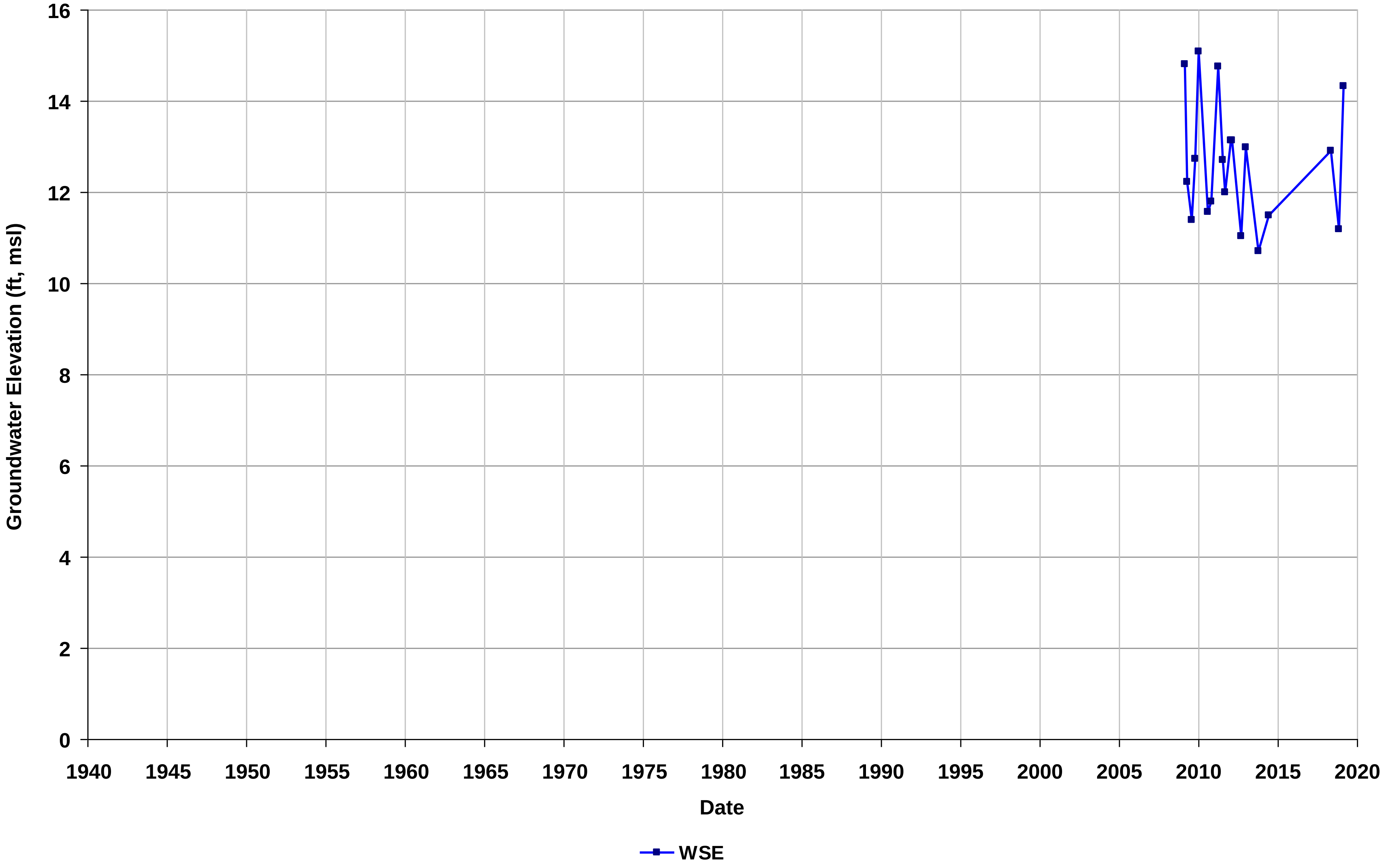
Well Name: T0601300712-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/19
Well Use: Observation



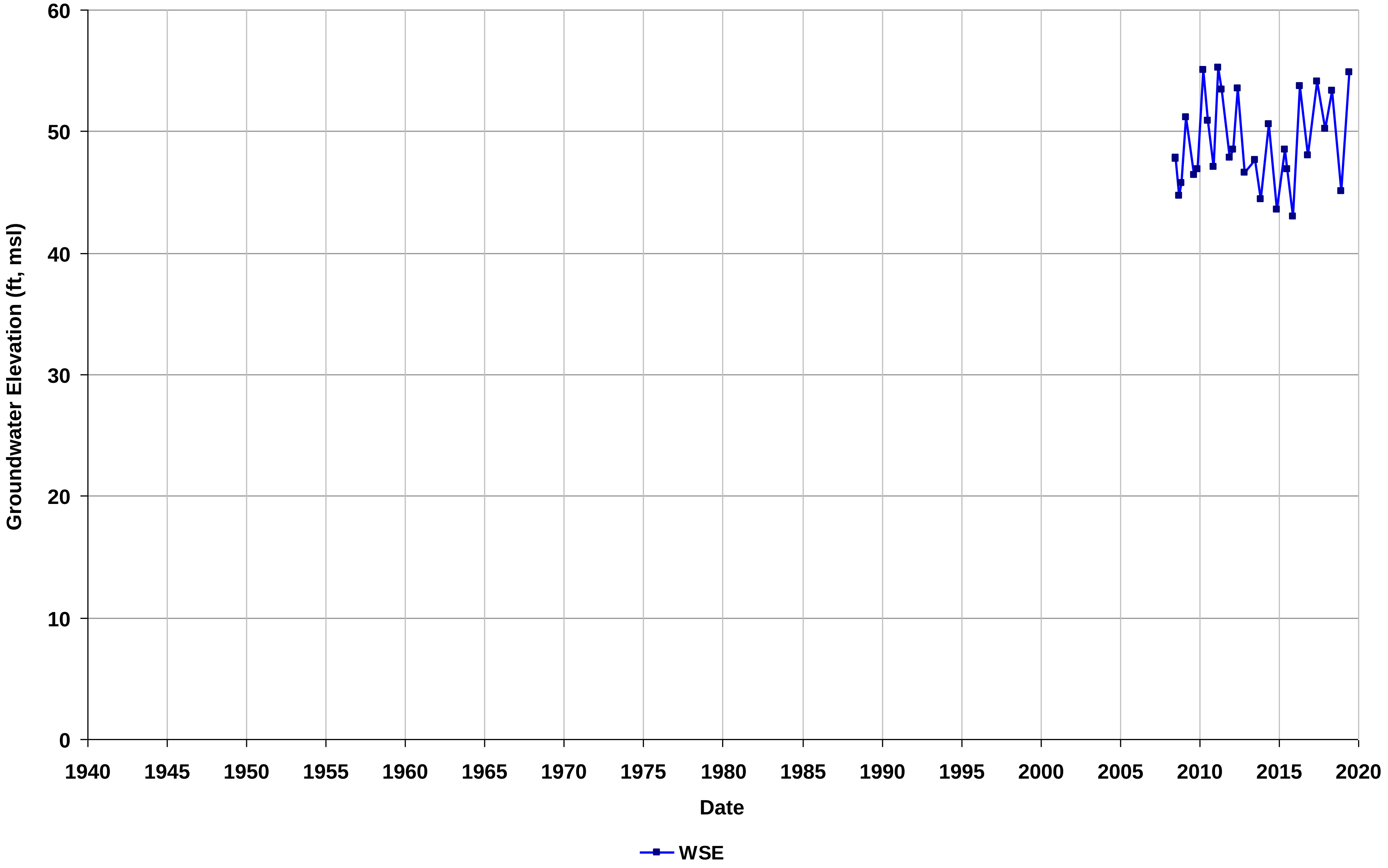
Well Name: T0601300712-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/19
Well Use: Observation



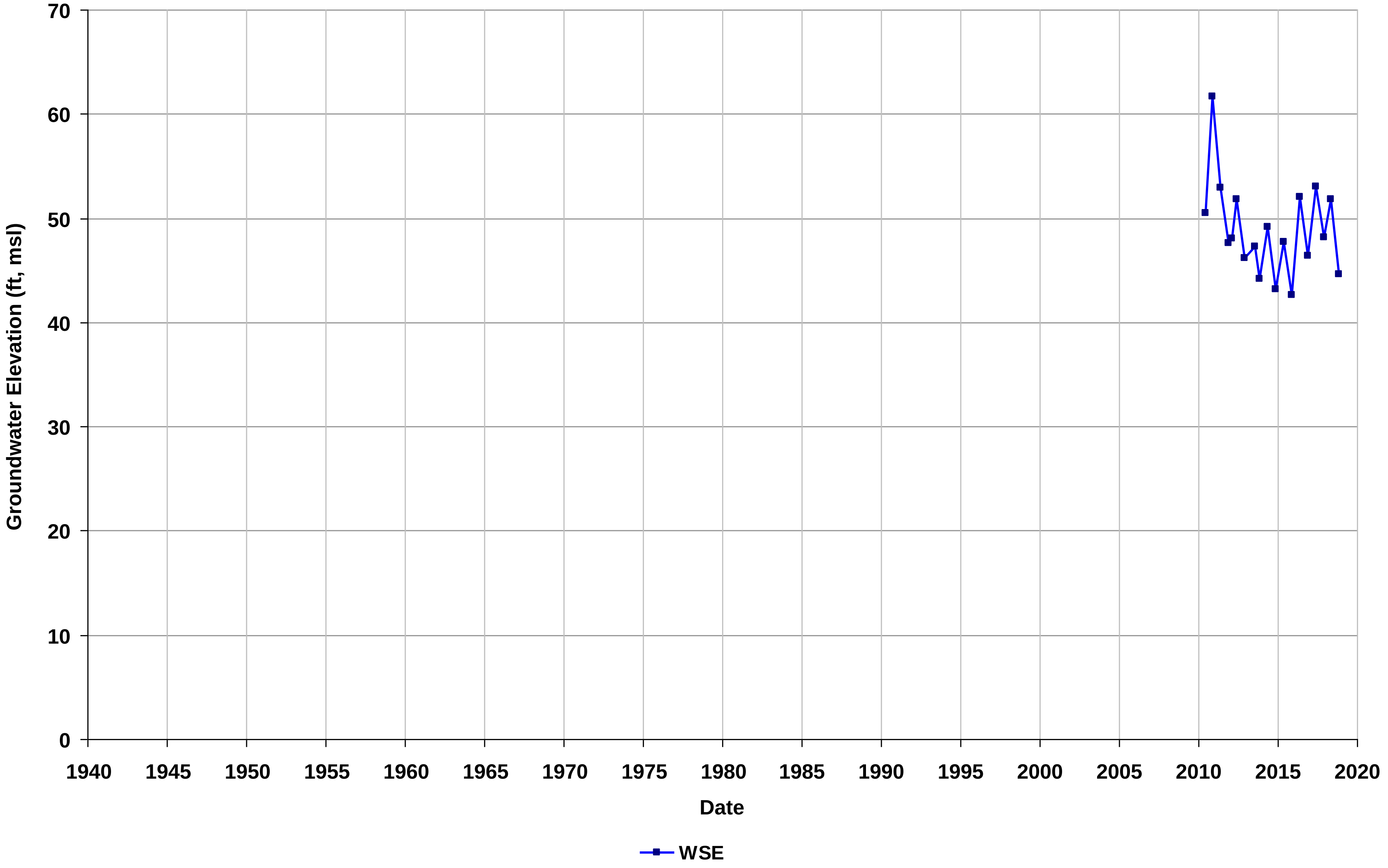
Well Name: T0601300717-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/07
Well Use: Observation



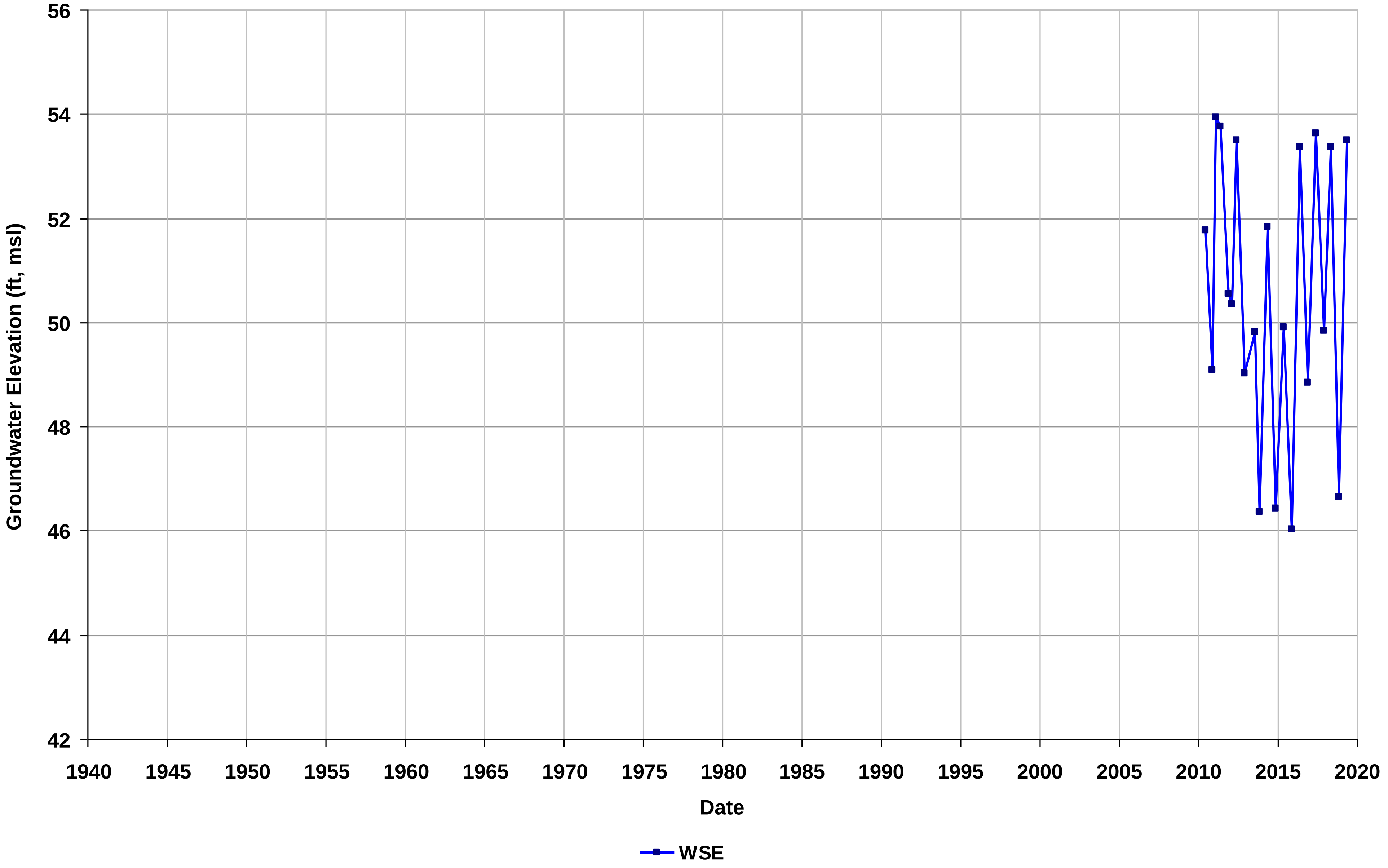
Well Name: T0601300717-MW-10
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/07
Well Use: Observation



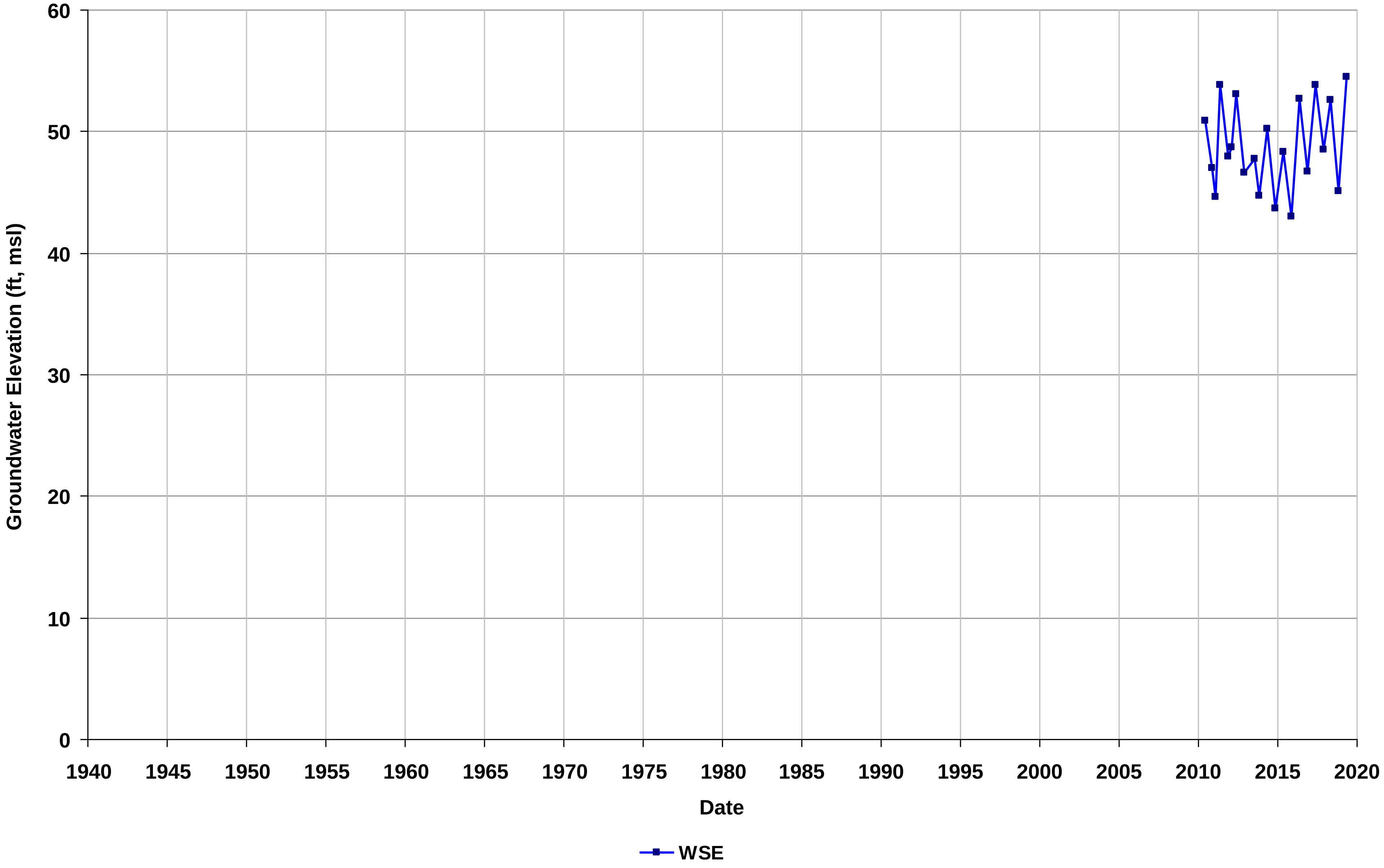
Well Name: T0601300717-MW-11
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/07
Well Use: Observation



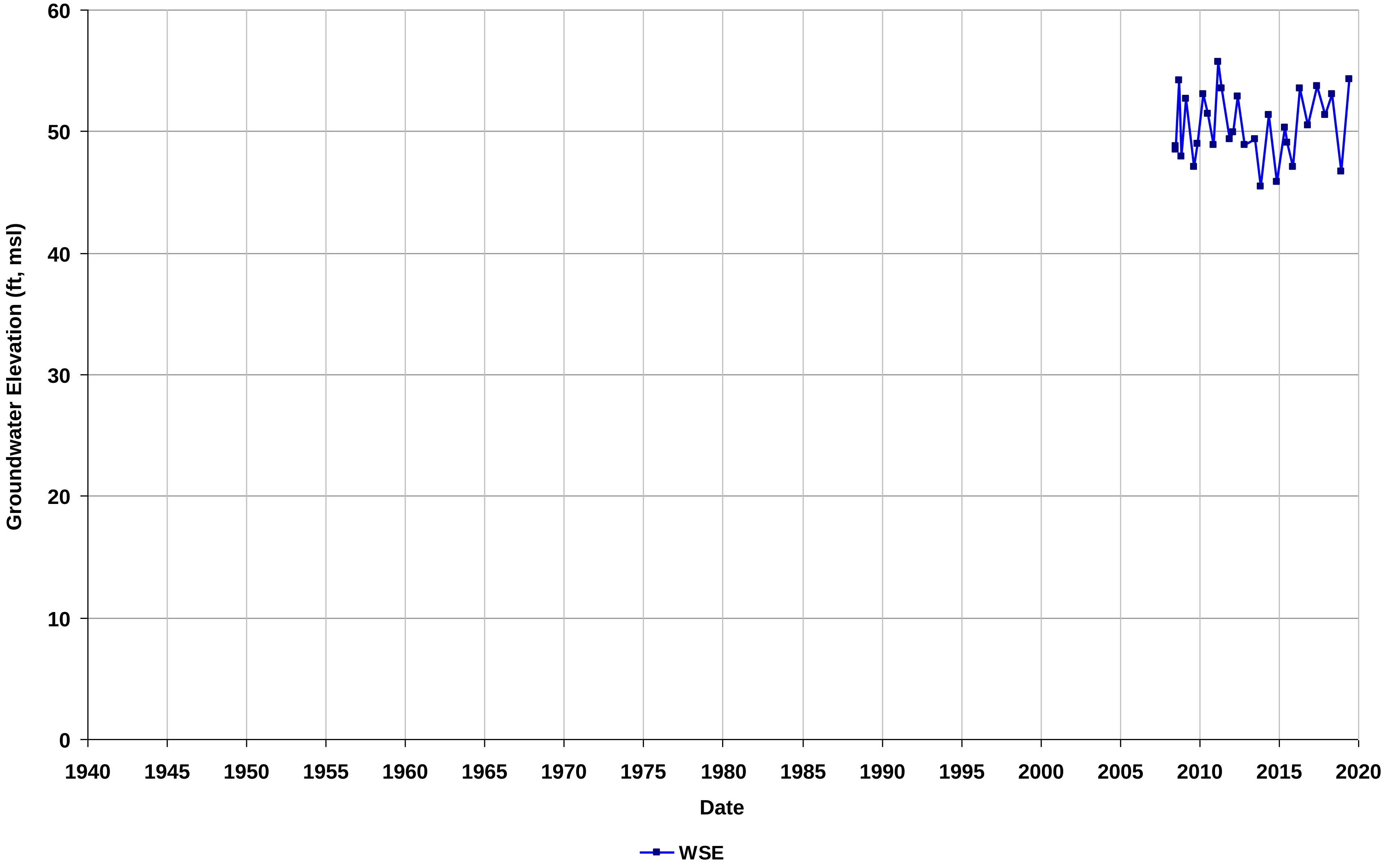
Well Name: T0601300717-MW-12
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/07
Well Use: Observation



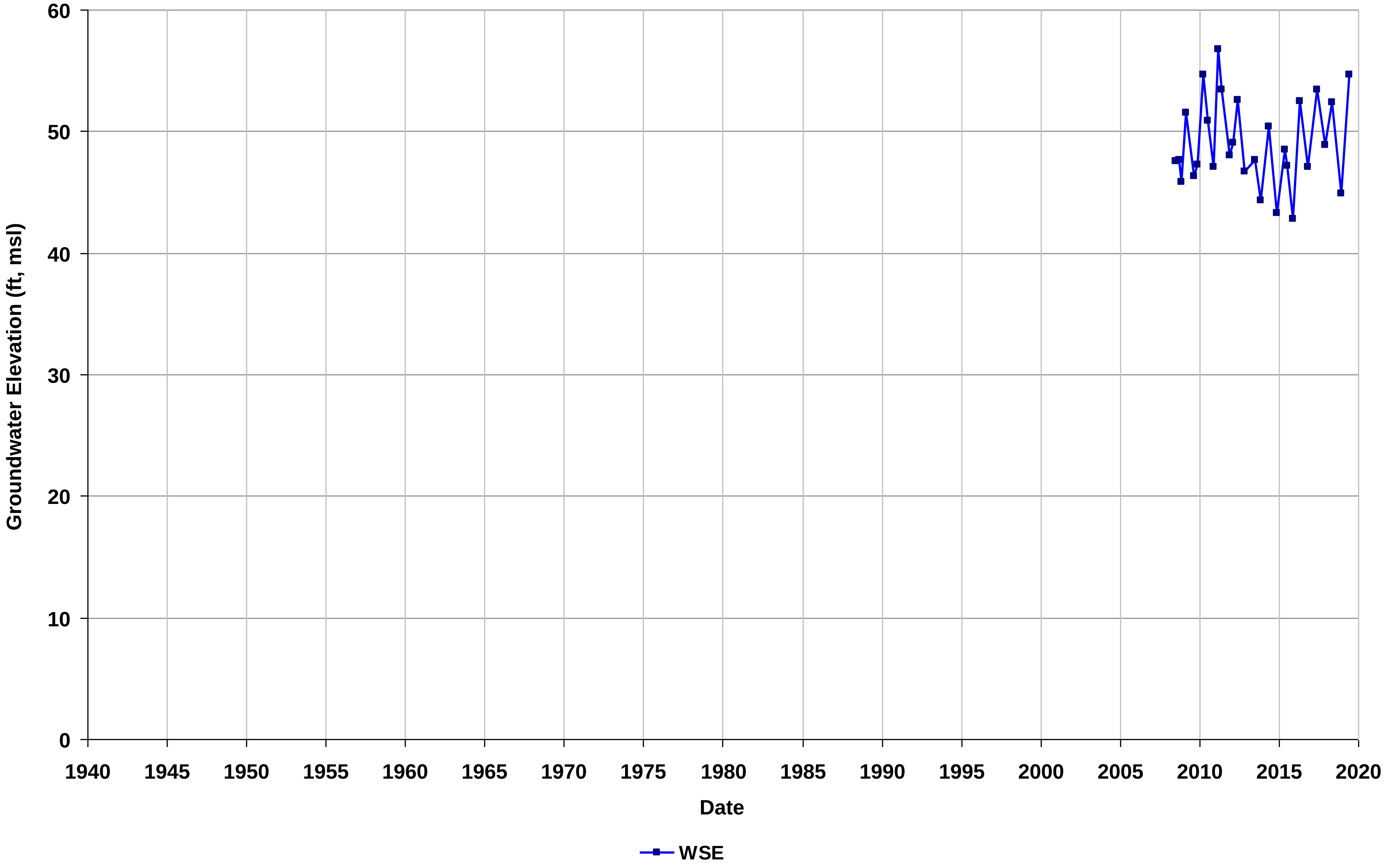
Well Name: T0601300717-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/07
Well Use: Observation



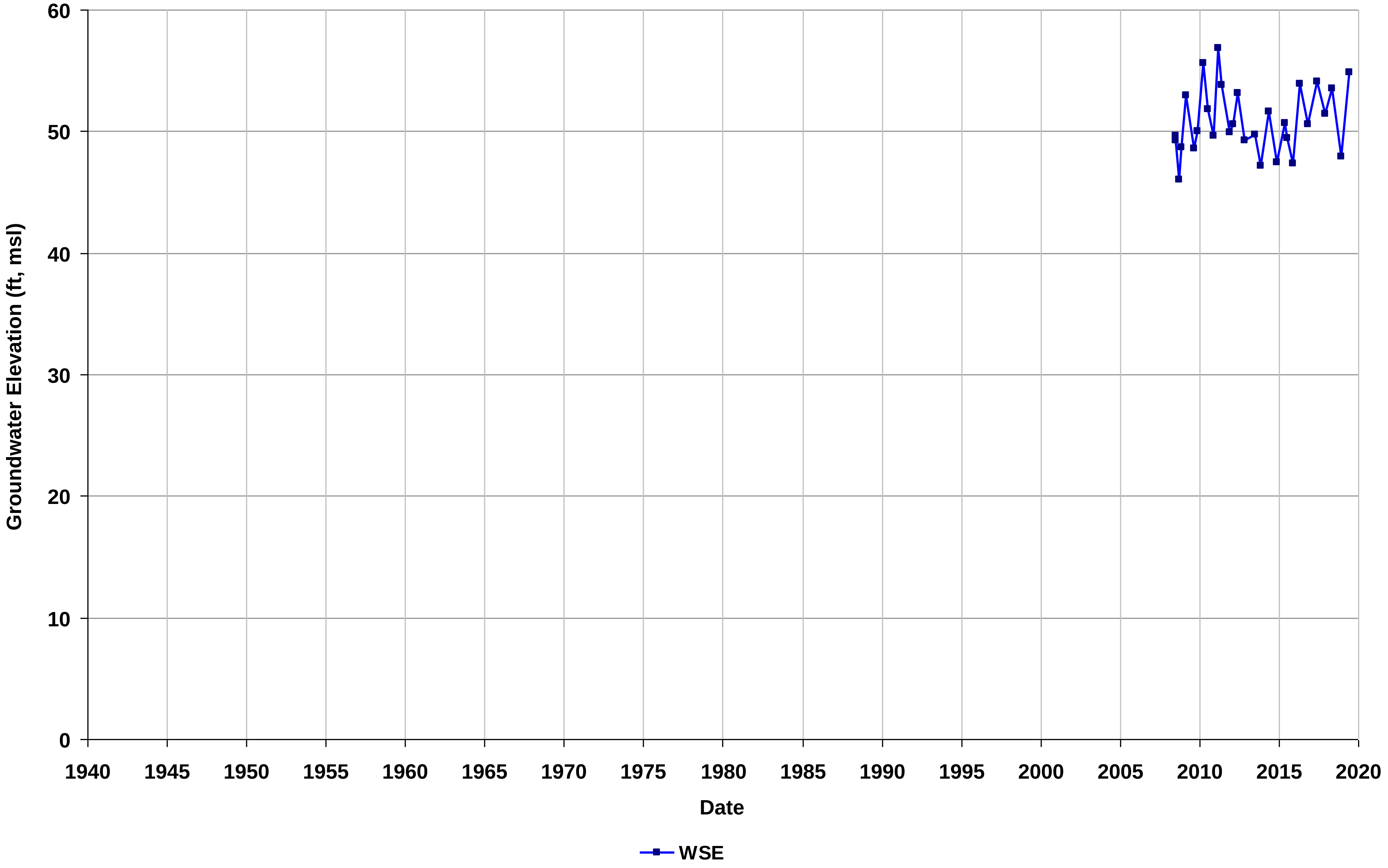
Well Name: T0601300717-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/07
Well Use: Observation



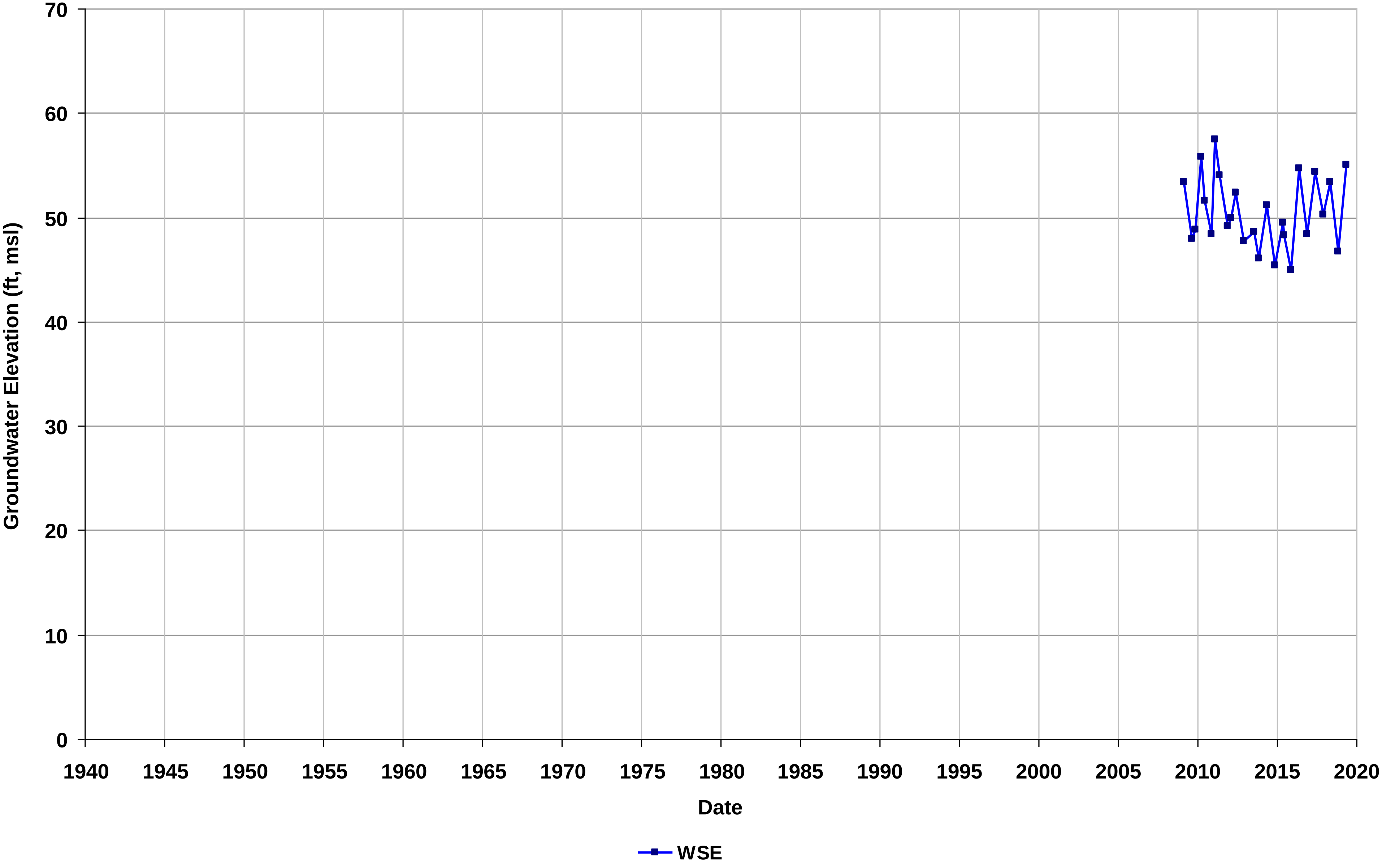
Well Name: T0601300717-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/07
Well Use: Observation



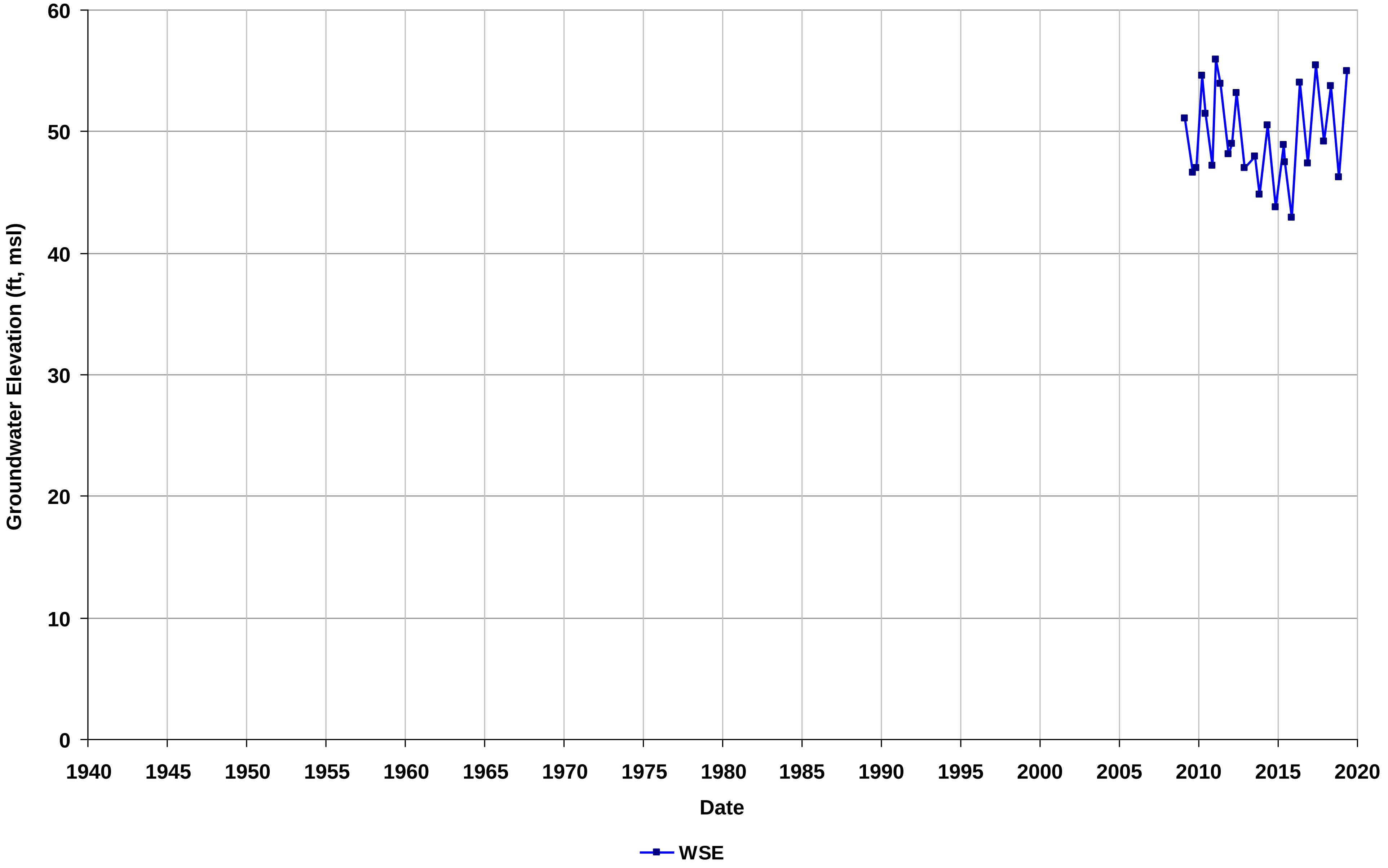
Well Name: T0601300717-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/07
Well Use: Observation



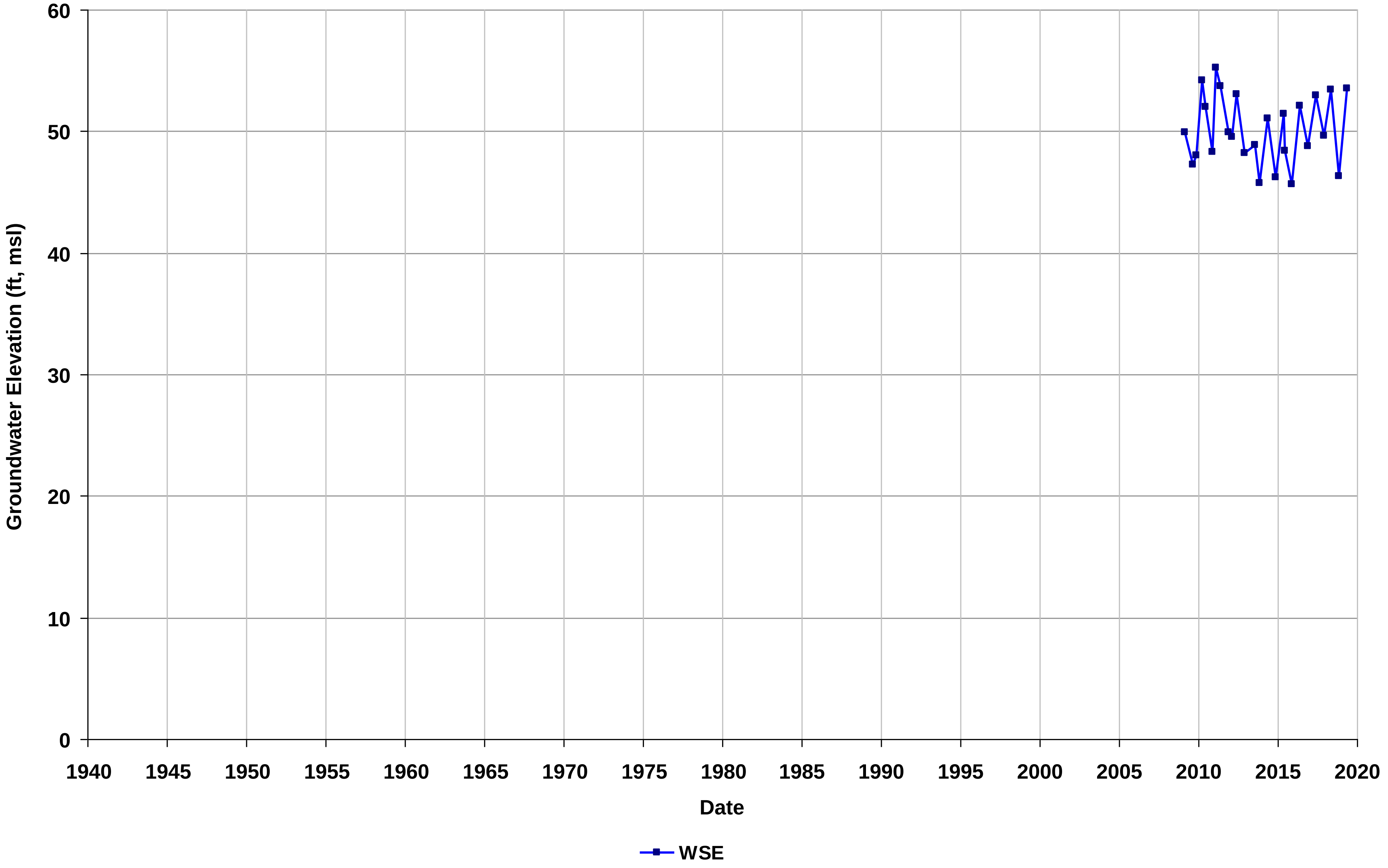
Well Name: T0601300717-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/07
Well Use: Observation



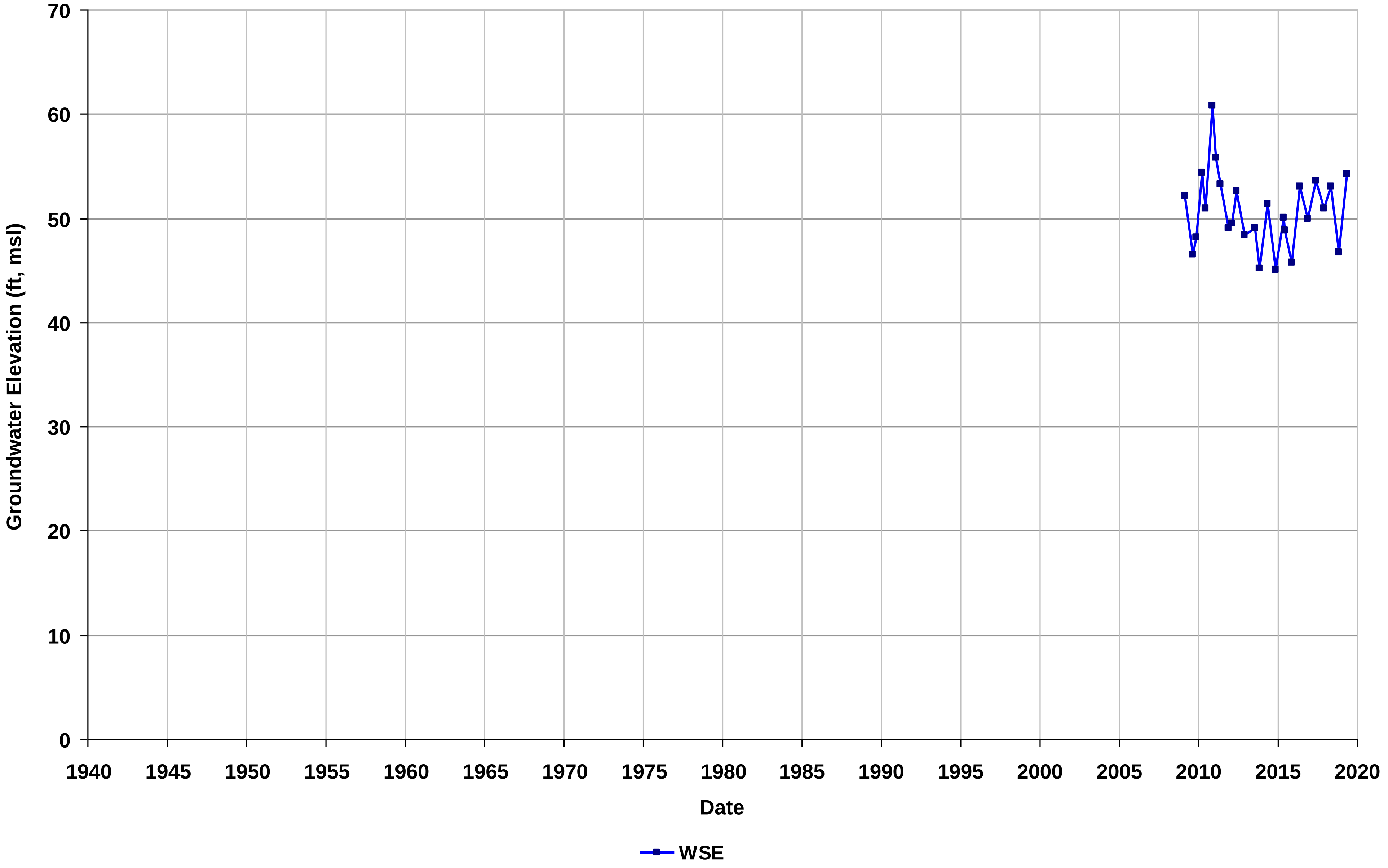
Well Name: T0601300717-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/07
Well Use: Observation



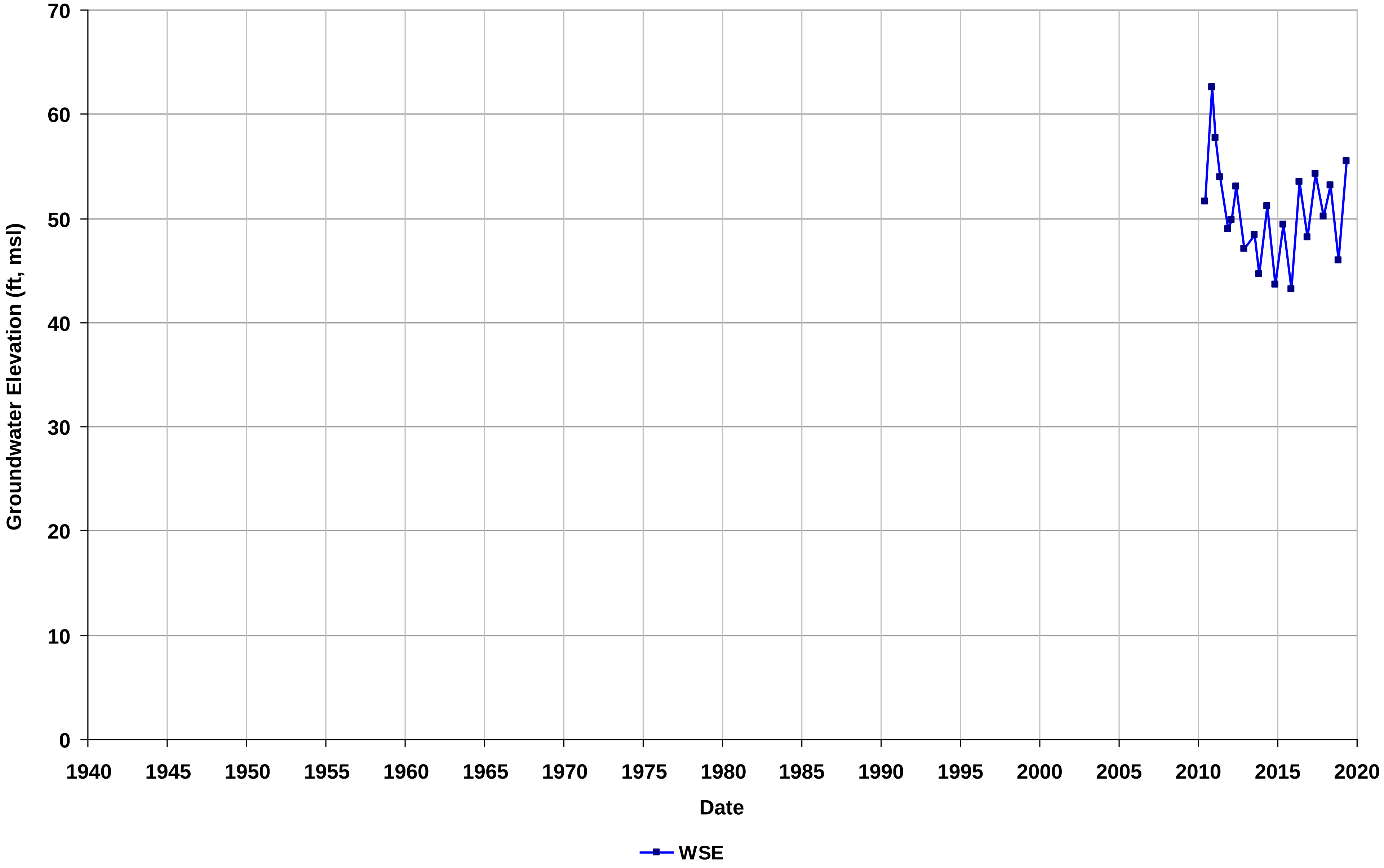
Well Name: T0601300717-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/07
Well Use: Observation



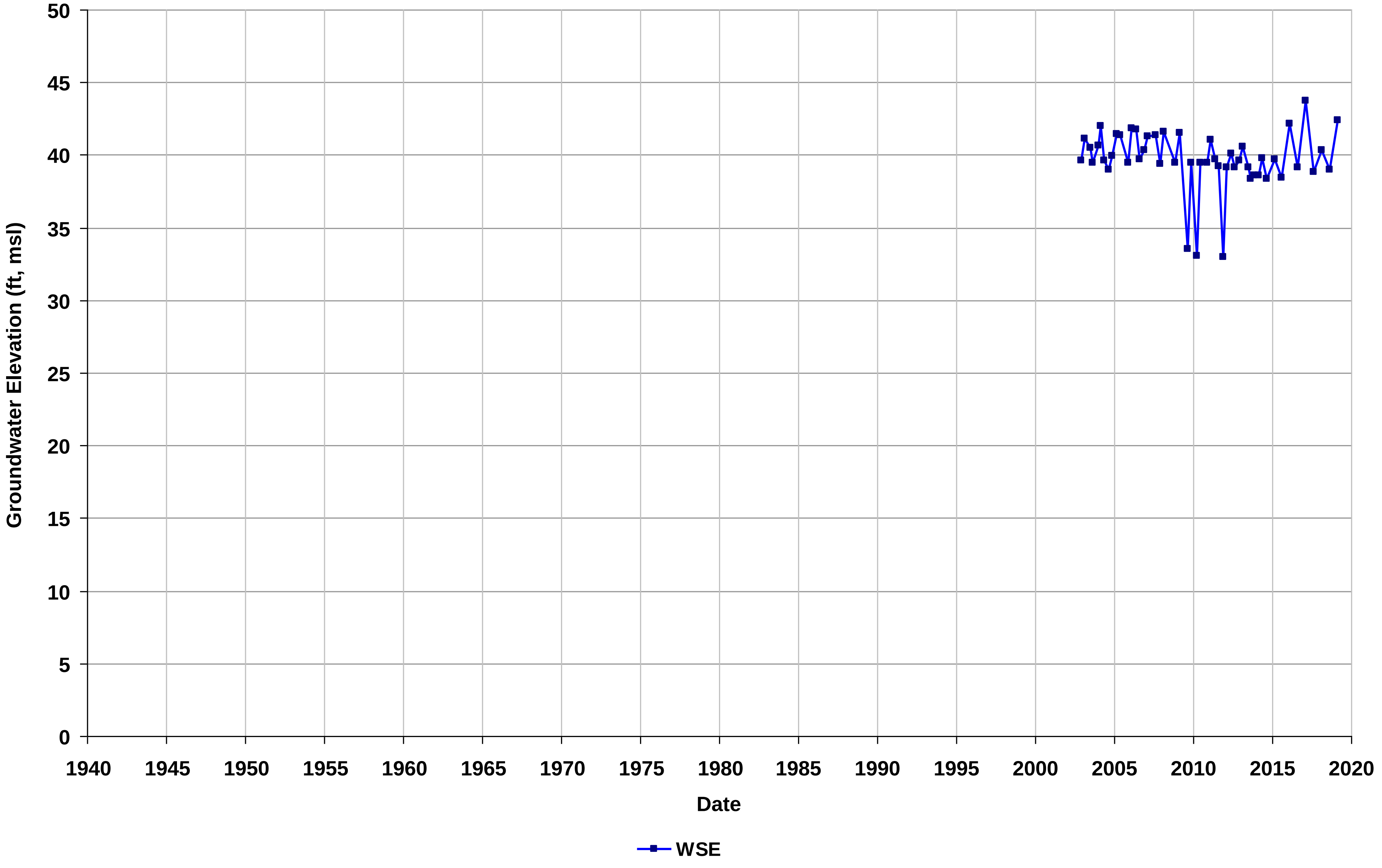
Well Name: T0601300717-MW-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/07
Well Use: Observation



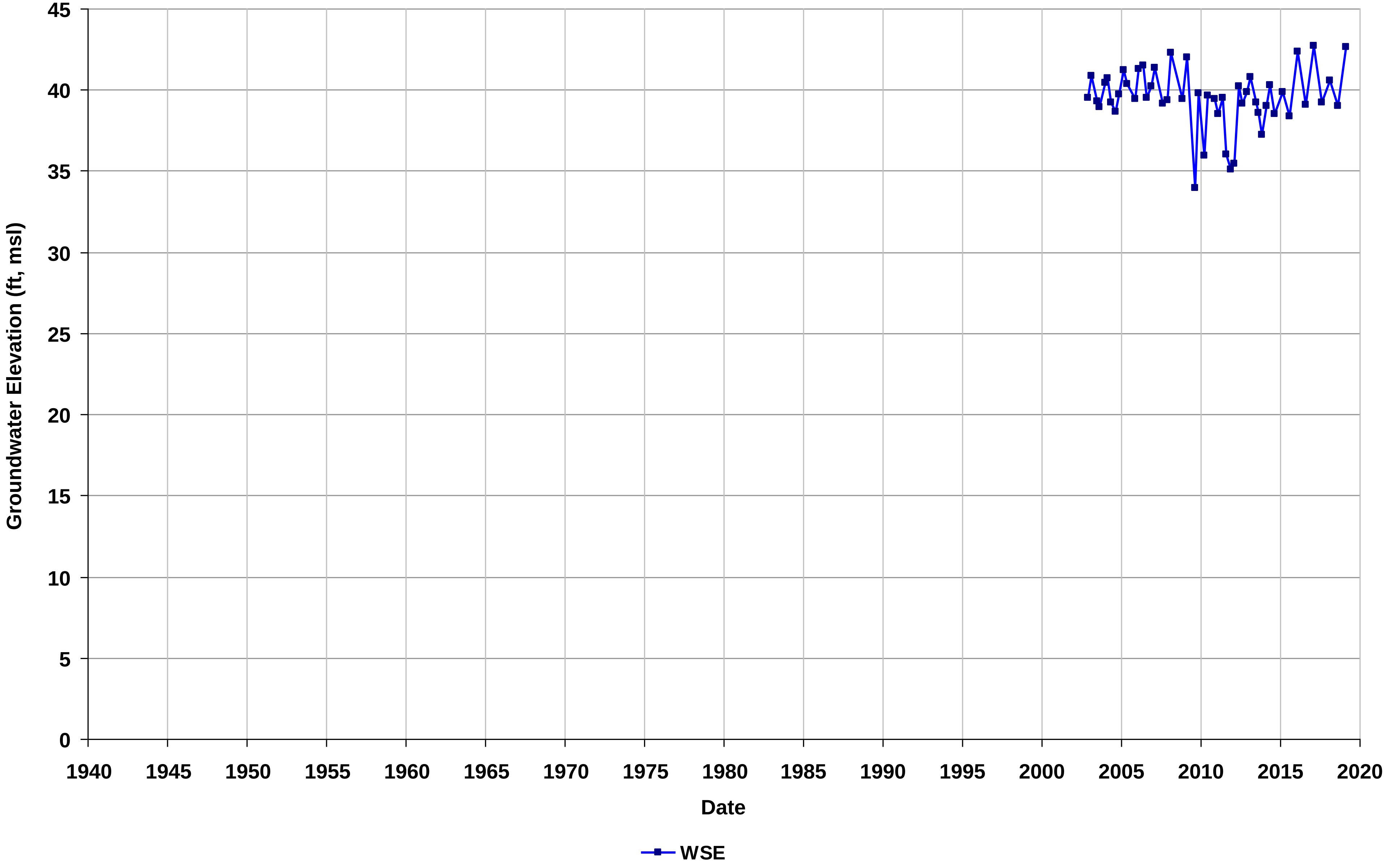
Well Name: T0601307808-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/17
Well Use: Observation



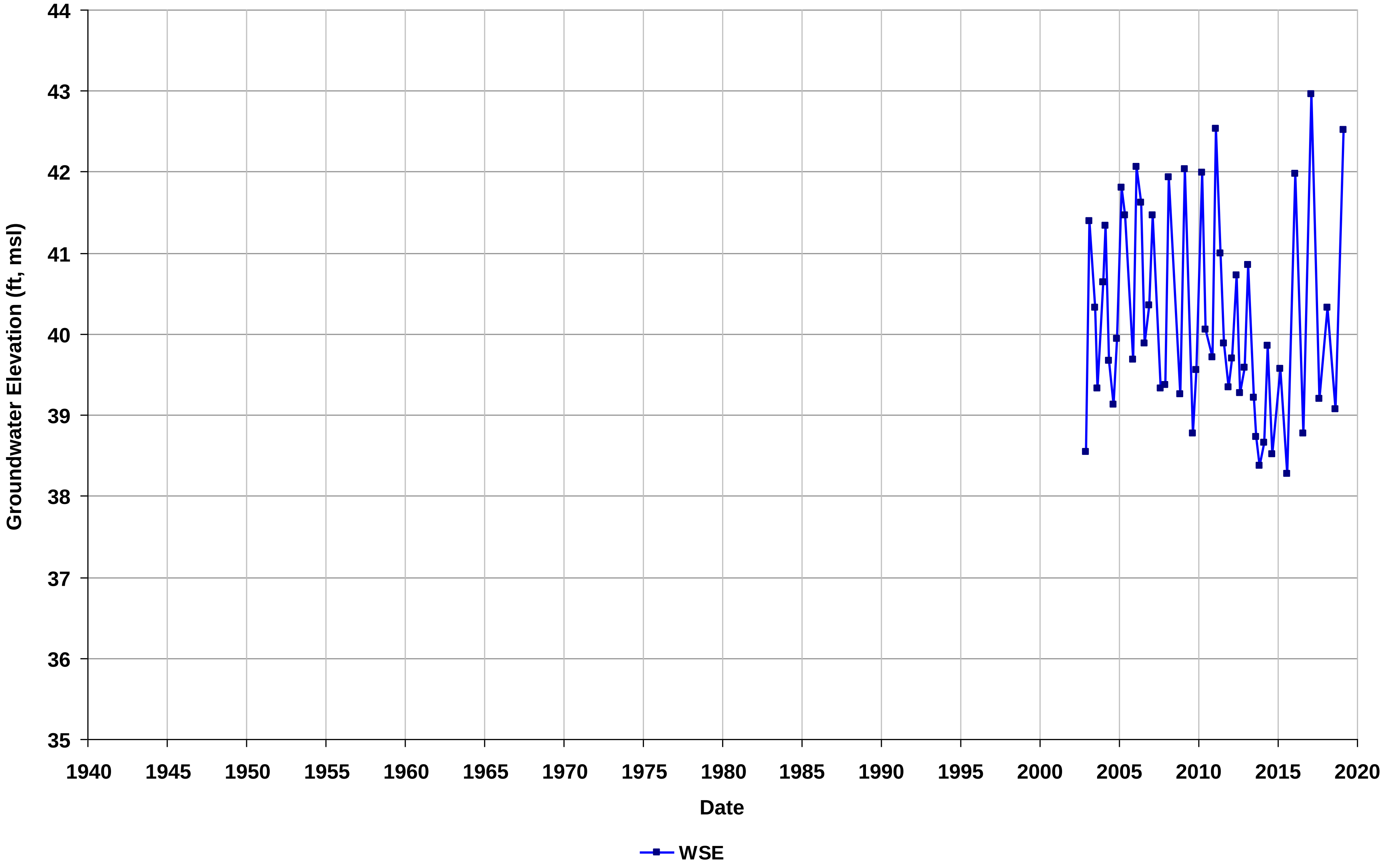
Well Name: T0601307808-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/17
Well Use: Observation



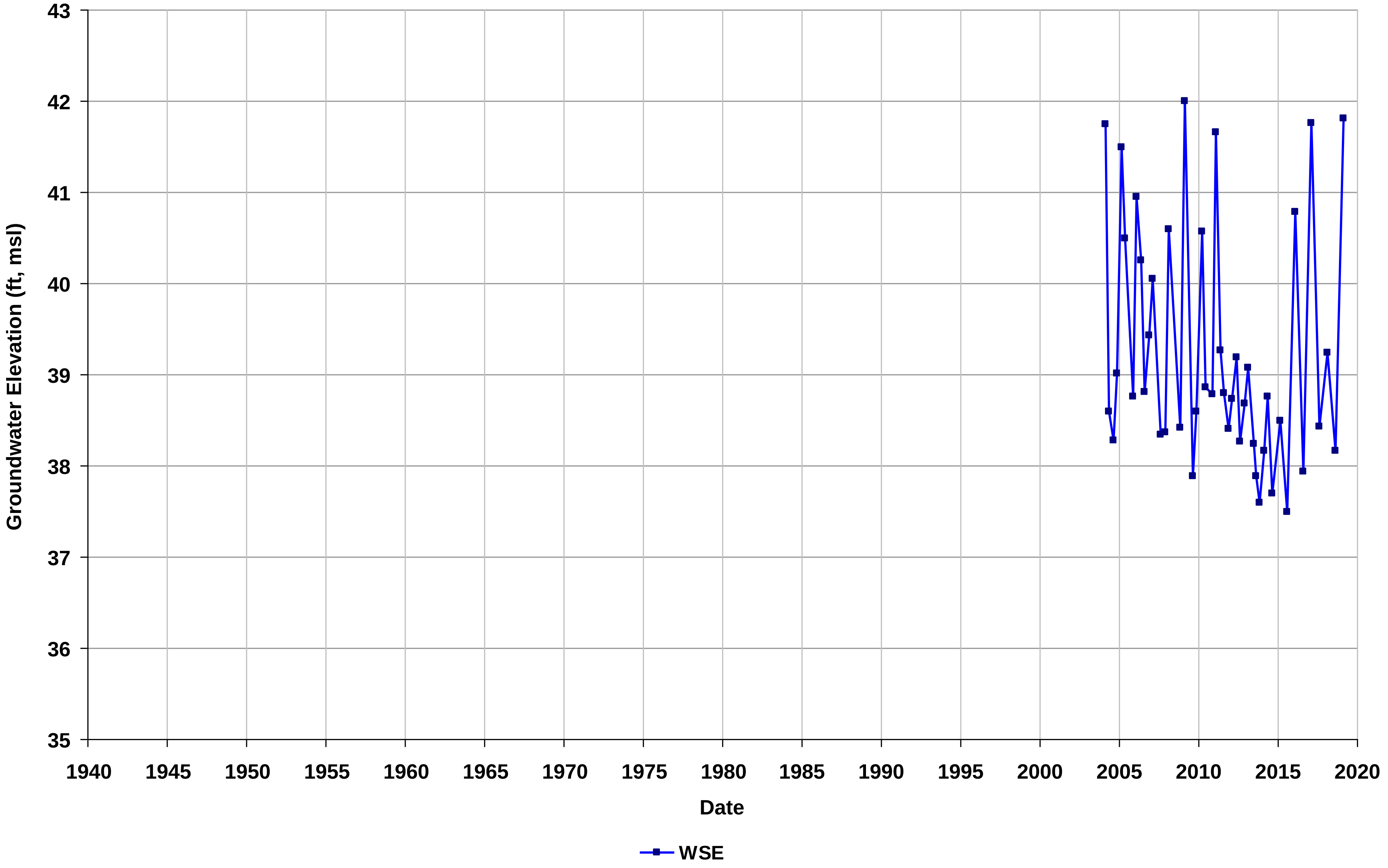
Well Name: T0601307808-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/17
Well Use: Observation



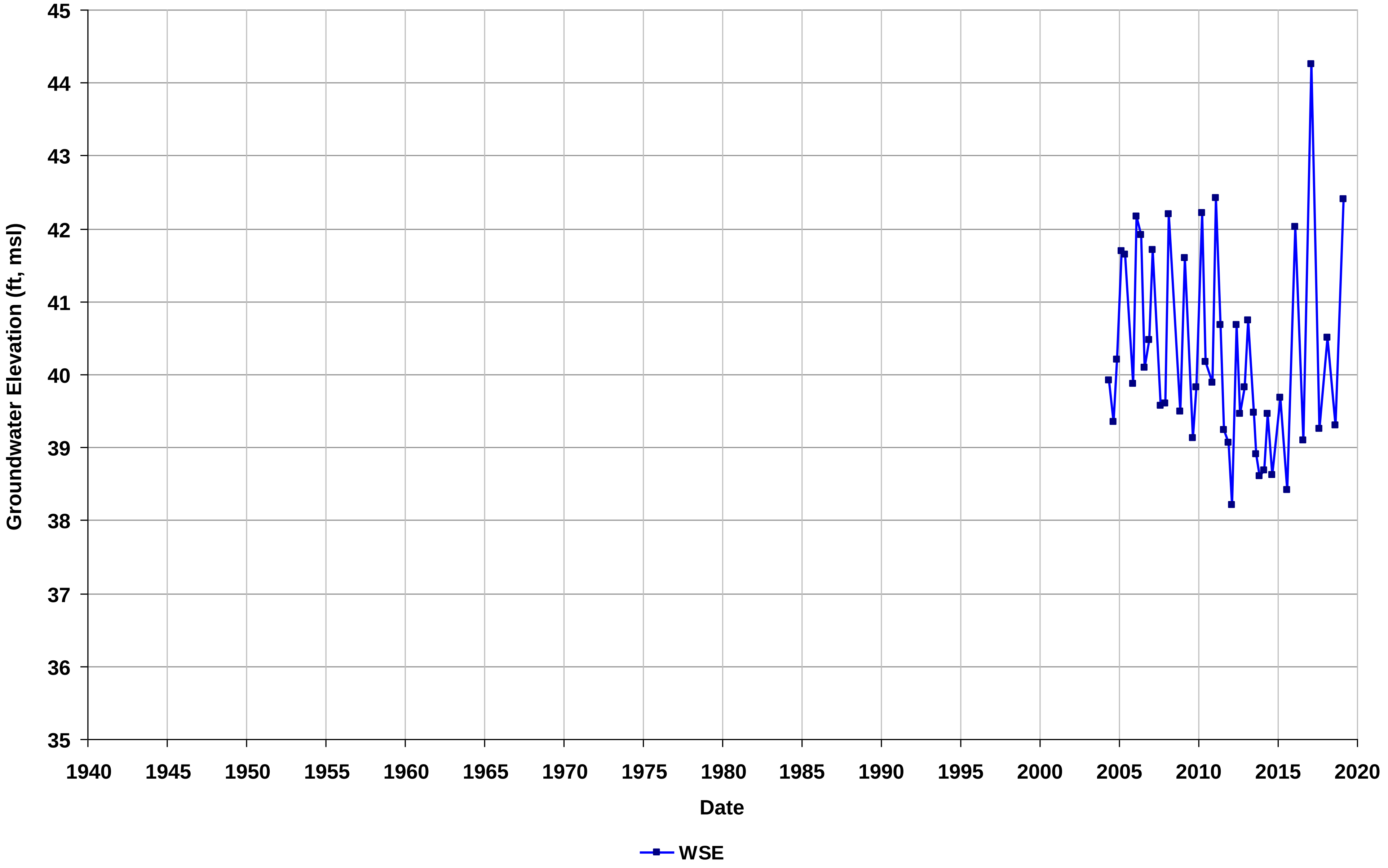
Well Name: T0601307808-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/17
Well Use: Observation



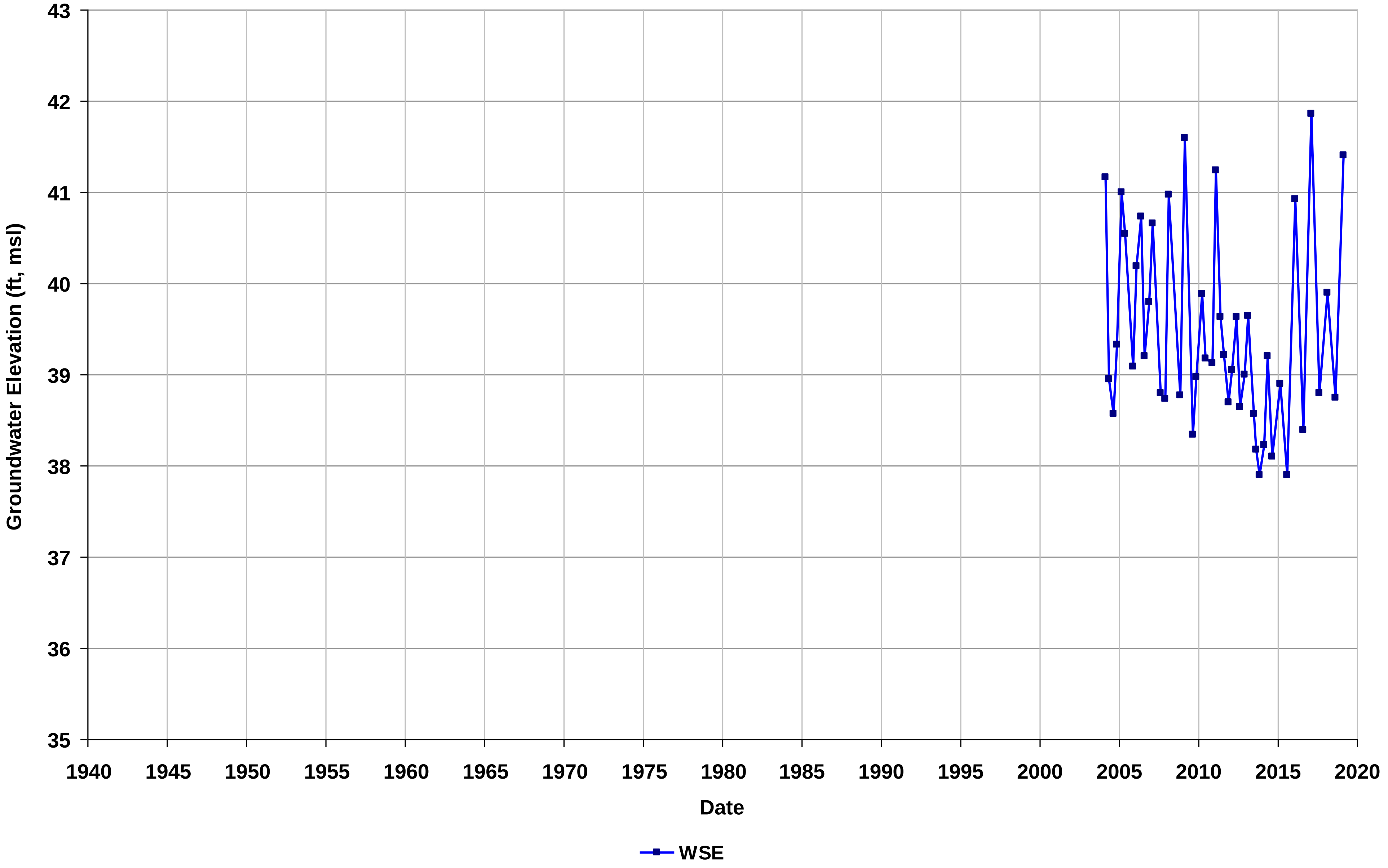
Well Name: T0601307808-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/17
Well Use: Observation



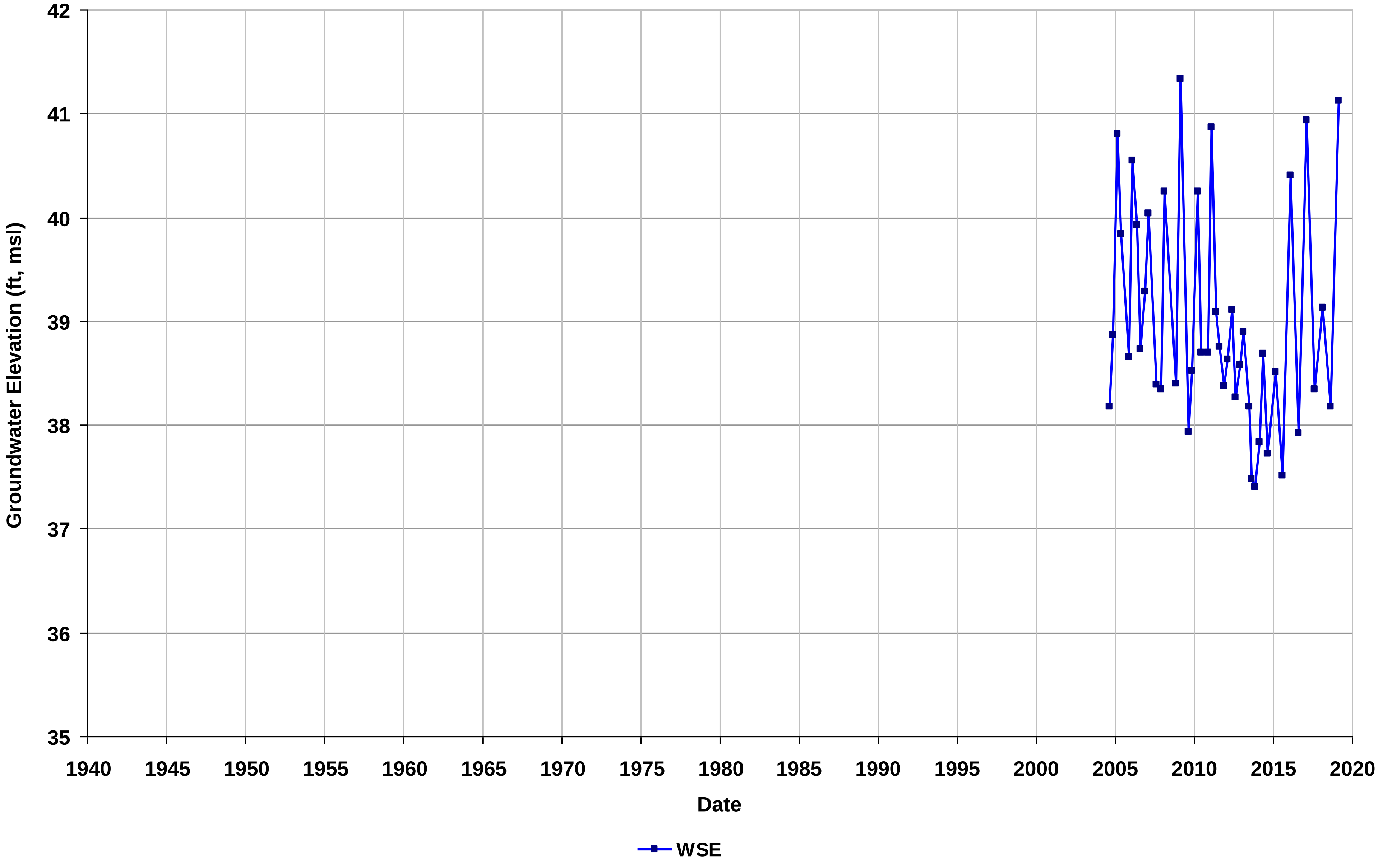
Well Name: T0601307808-MW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/17
Well Use: Observation



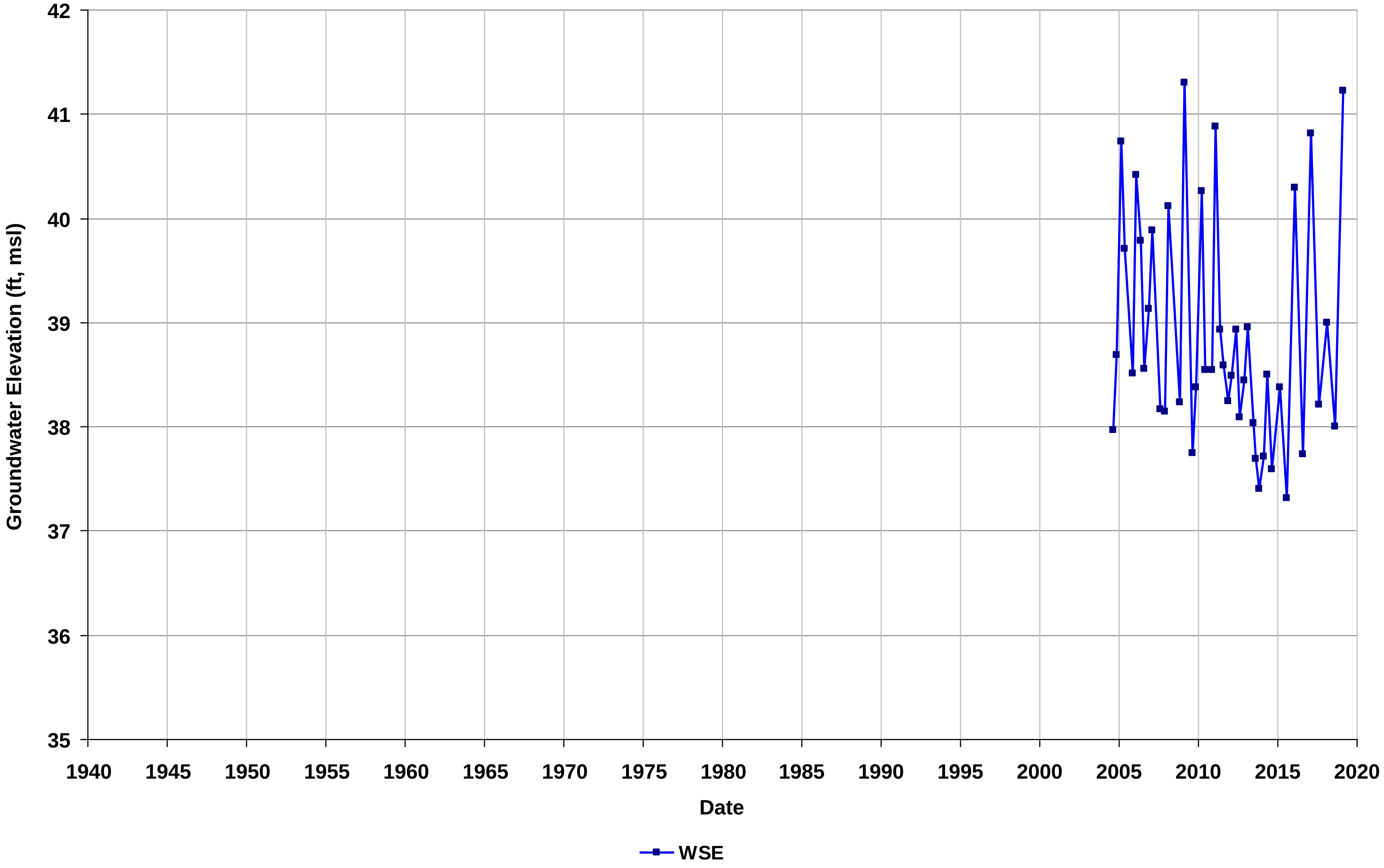
Well Name: T0601307808-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/17
Well Use: Observation



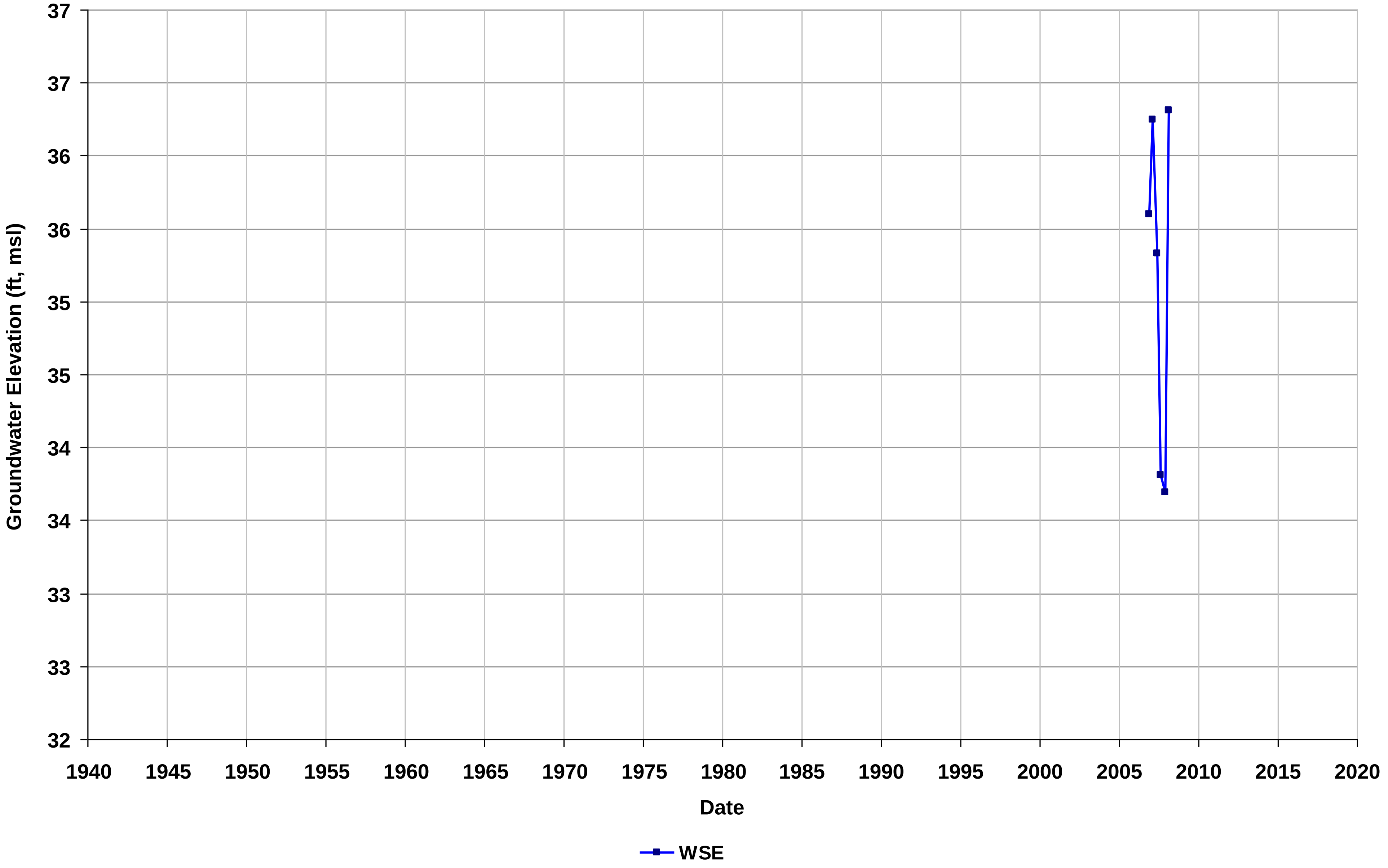
Well Name: T0601307808-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/17
Well Use: Observation



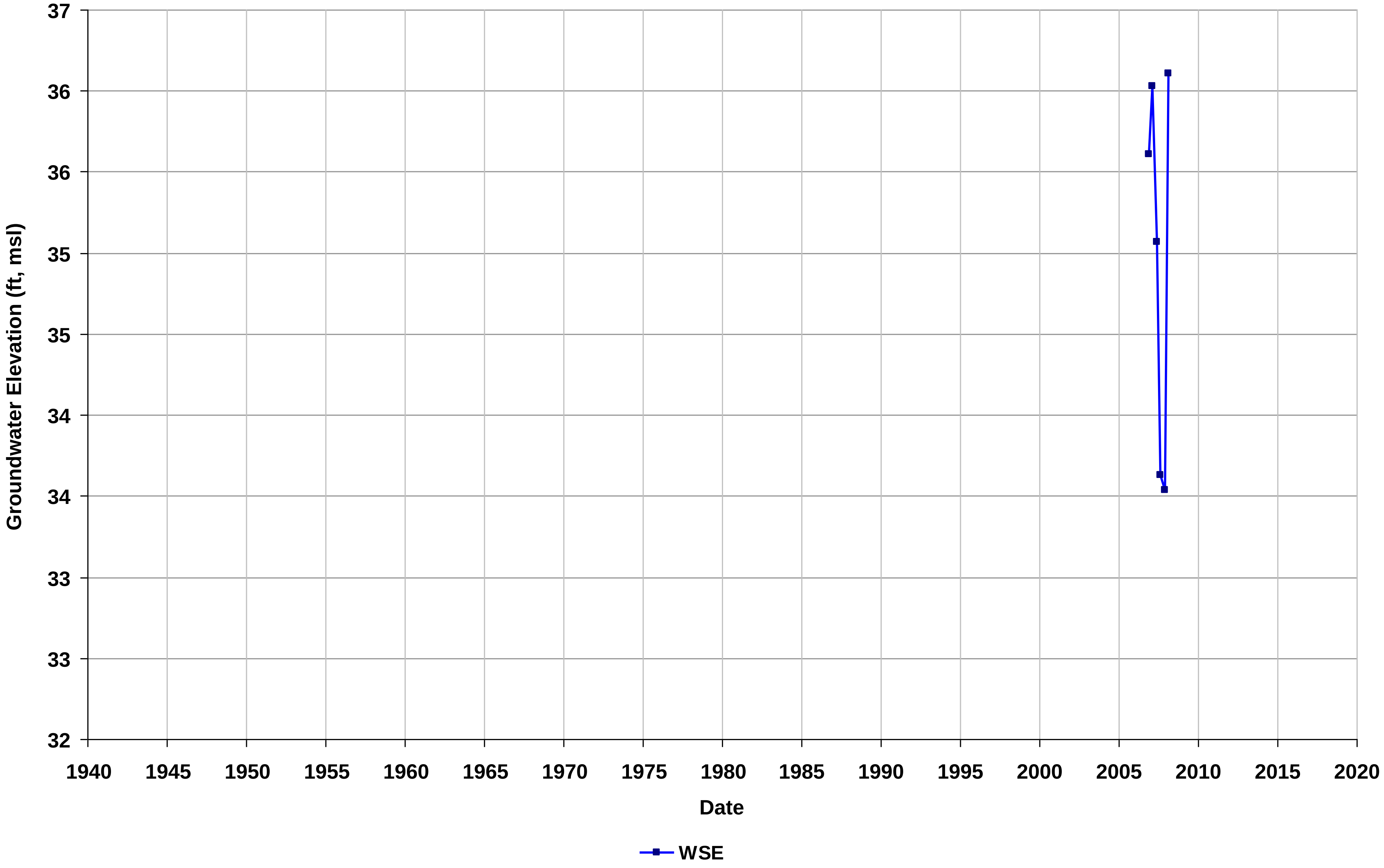
Well Name: T0601316740-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/06
Well Use: Observation



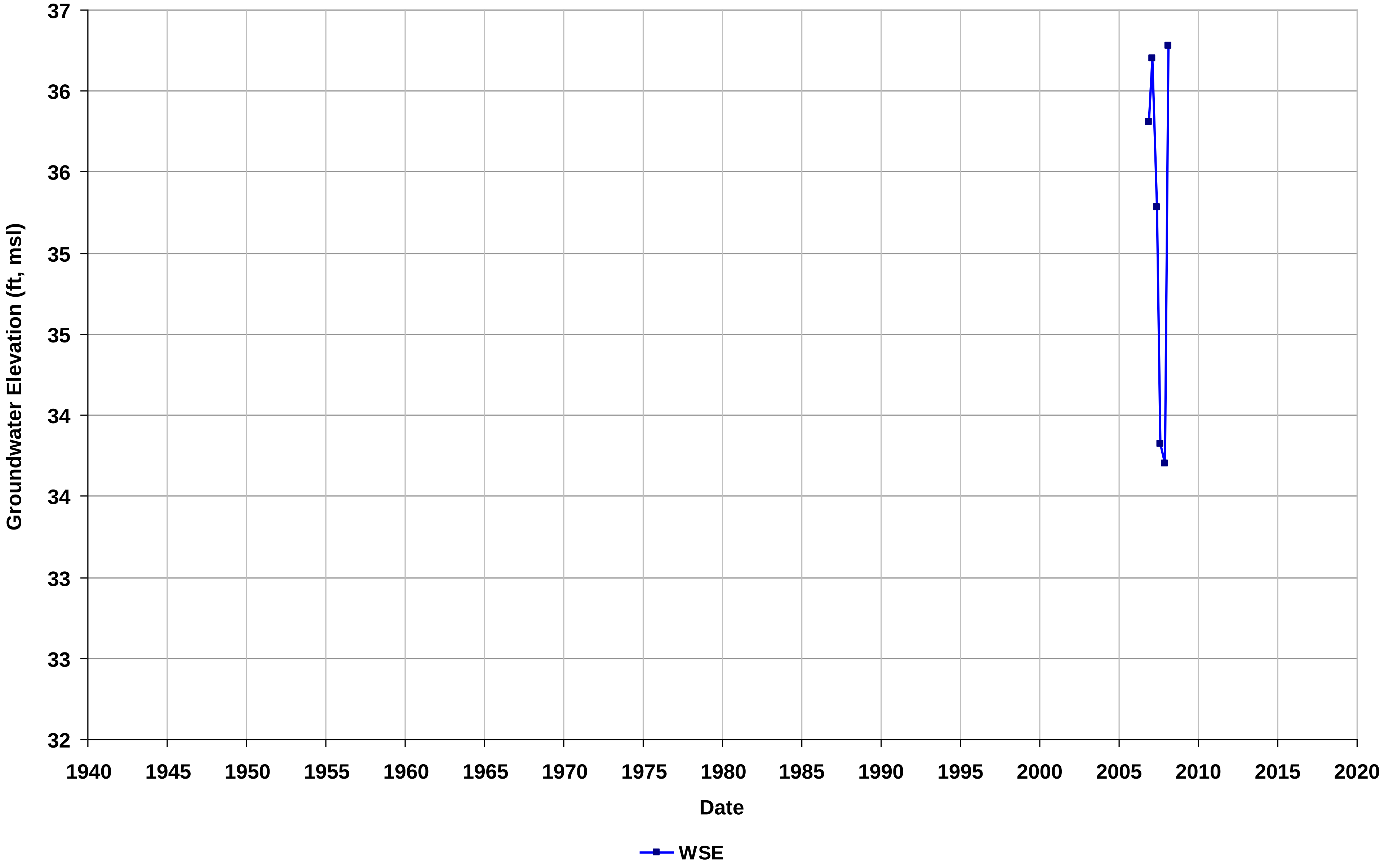
Well Name: T0601316740-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/06
Well Use: Observation



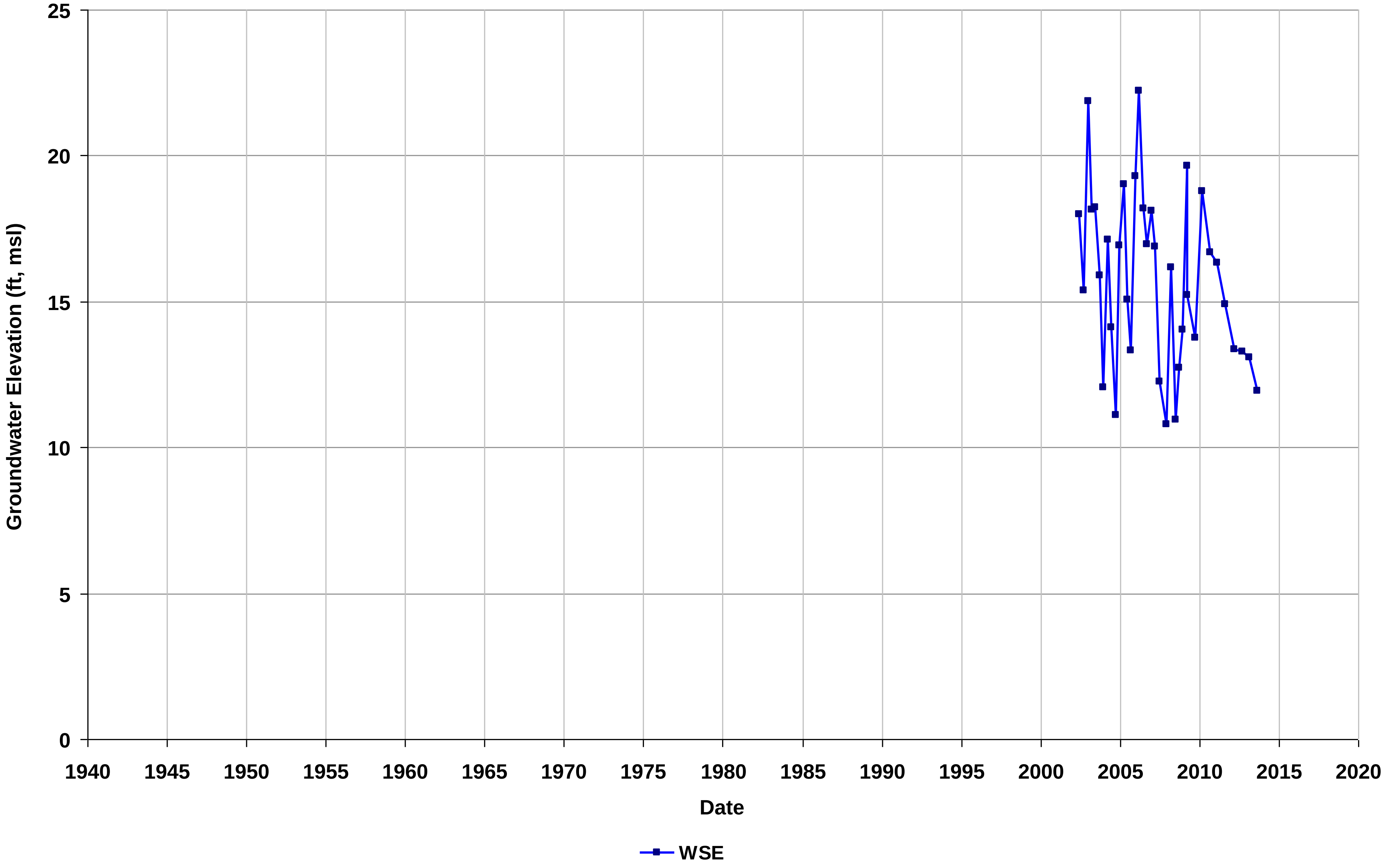
Well Name: T0601316740-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/06
Well Use: Observation



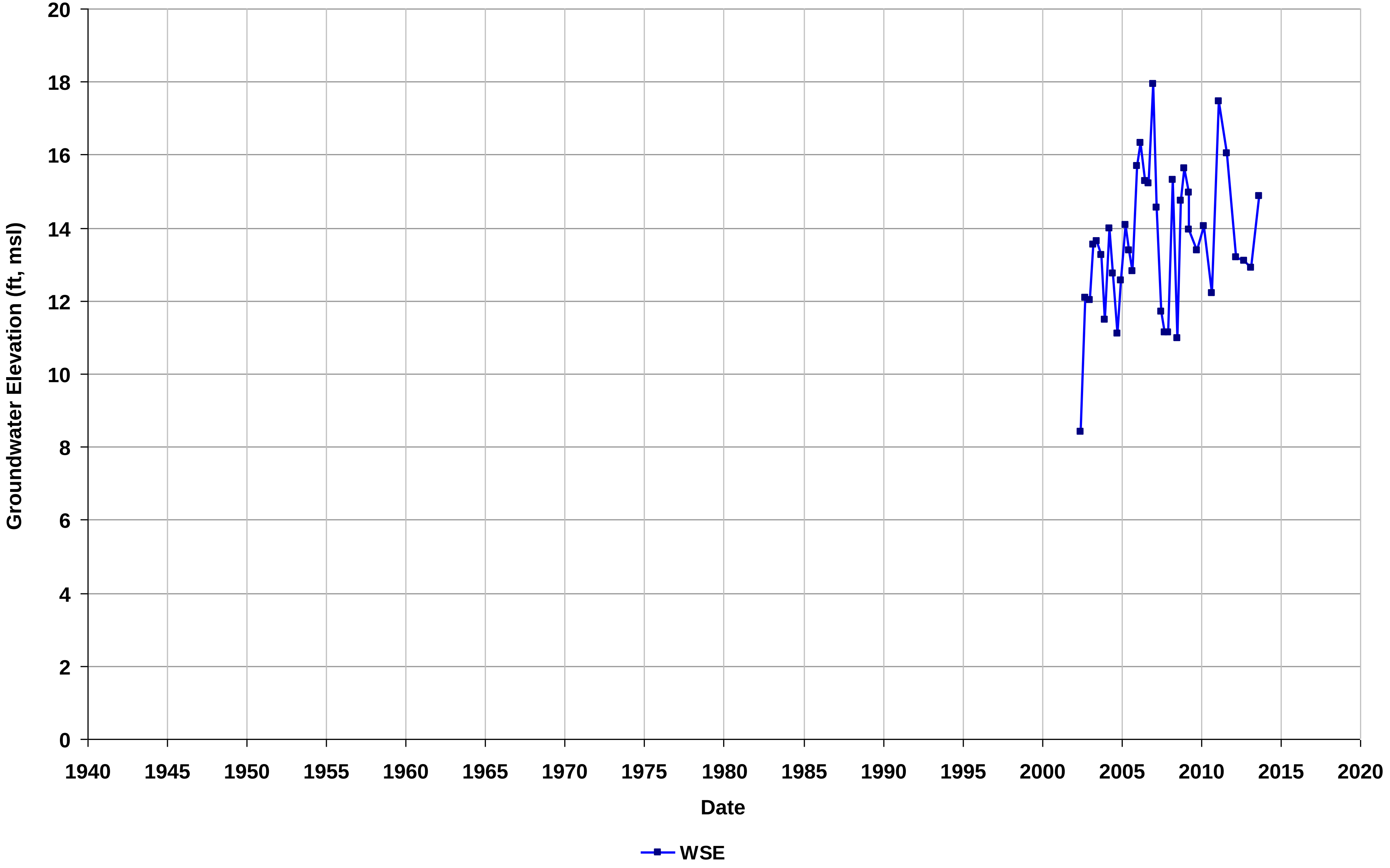
Well Name: T0601391856-S-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/28
Well Use: Observation



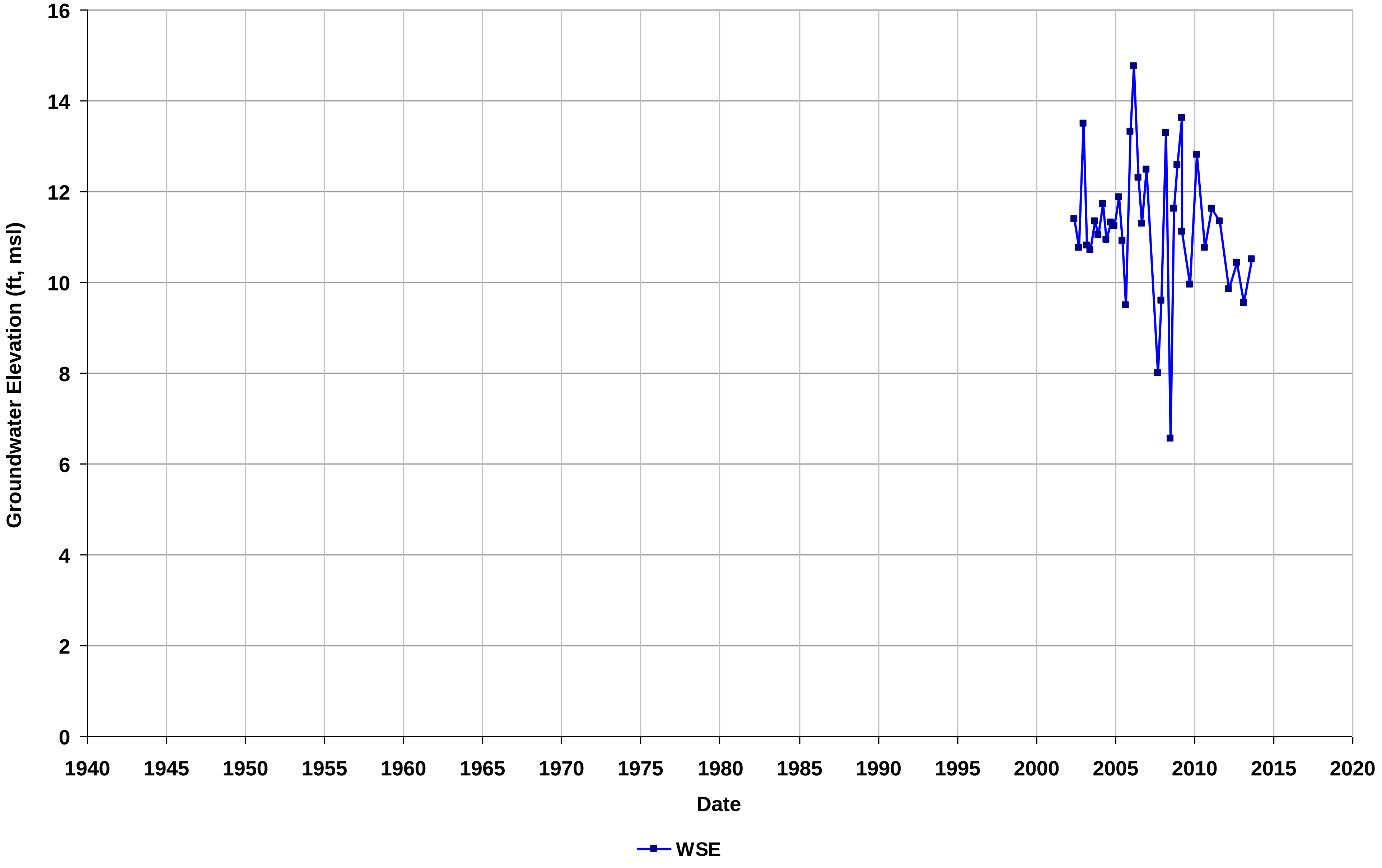
Well Name: T0601391856-S-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/28
Well Use: Observation



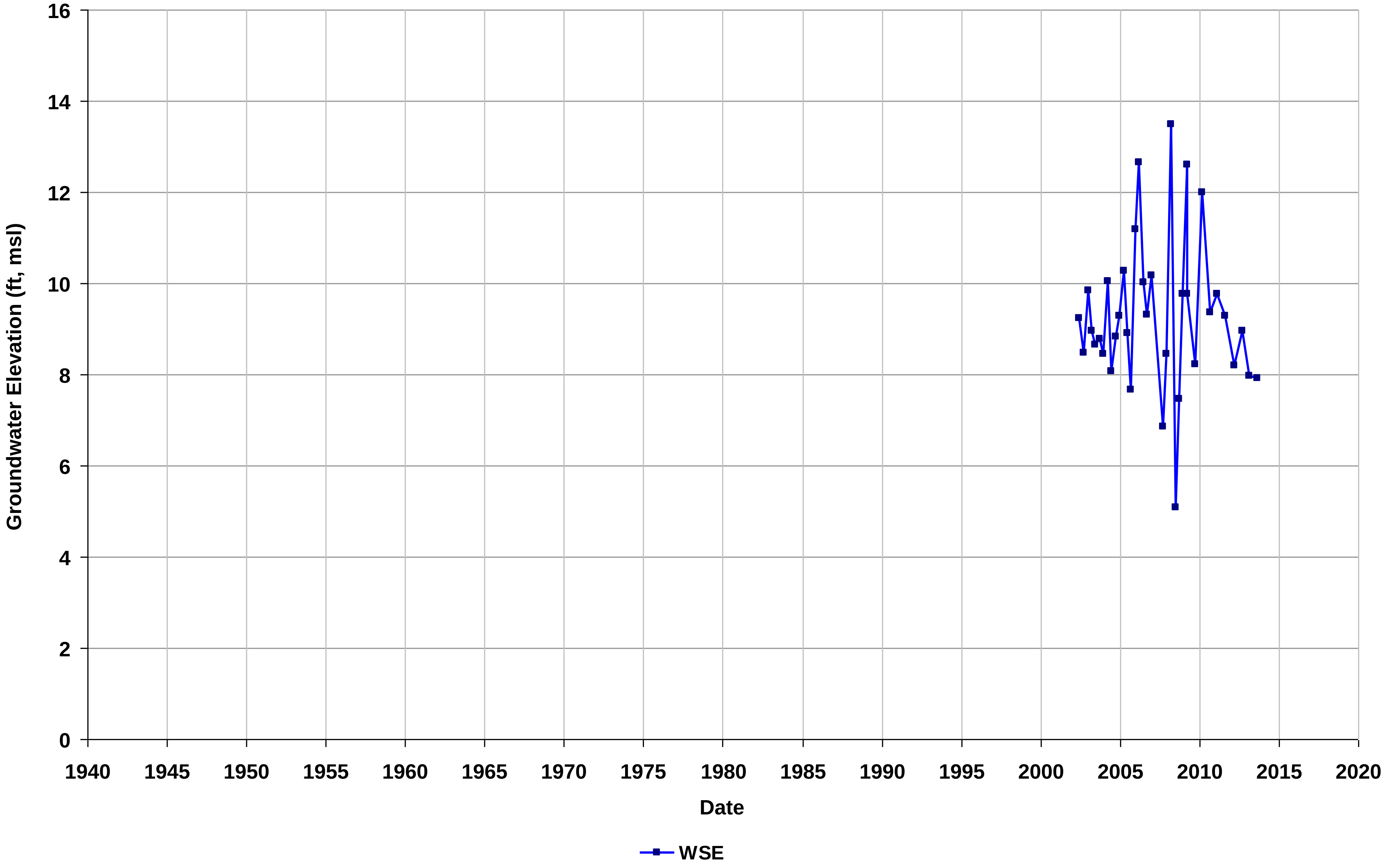
Well Name: T0601391856-S-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/28
Well Use: Observation



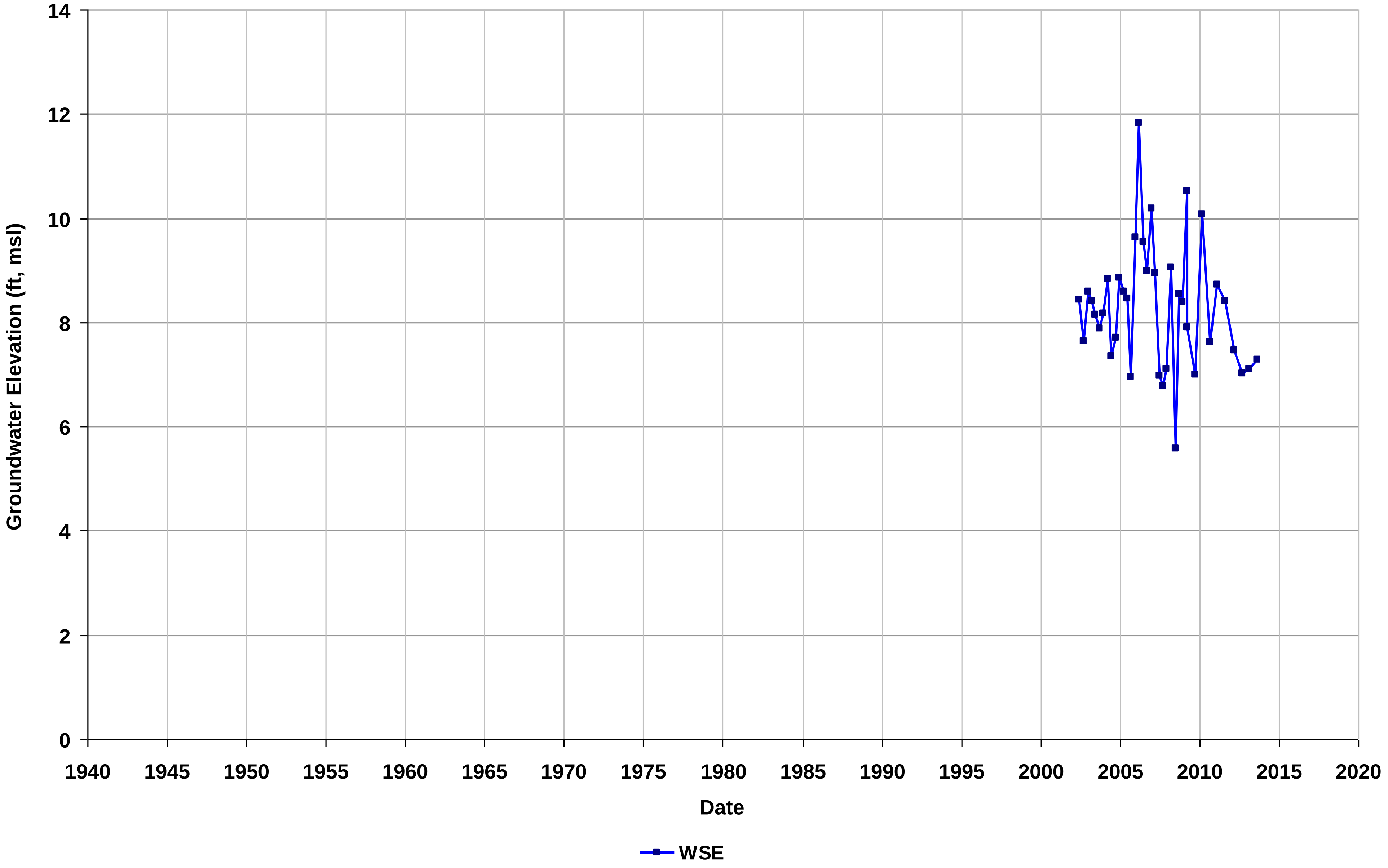
Well Name: T0601391856-S-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/28
Well Use: Observation



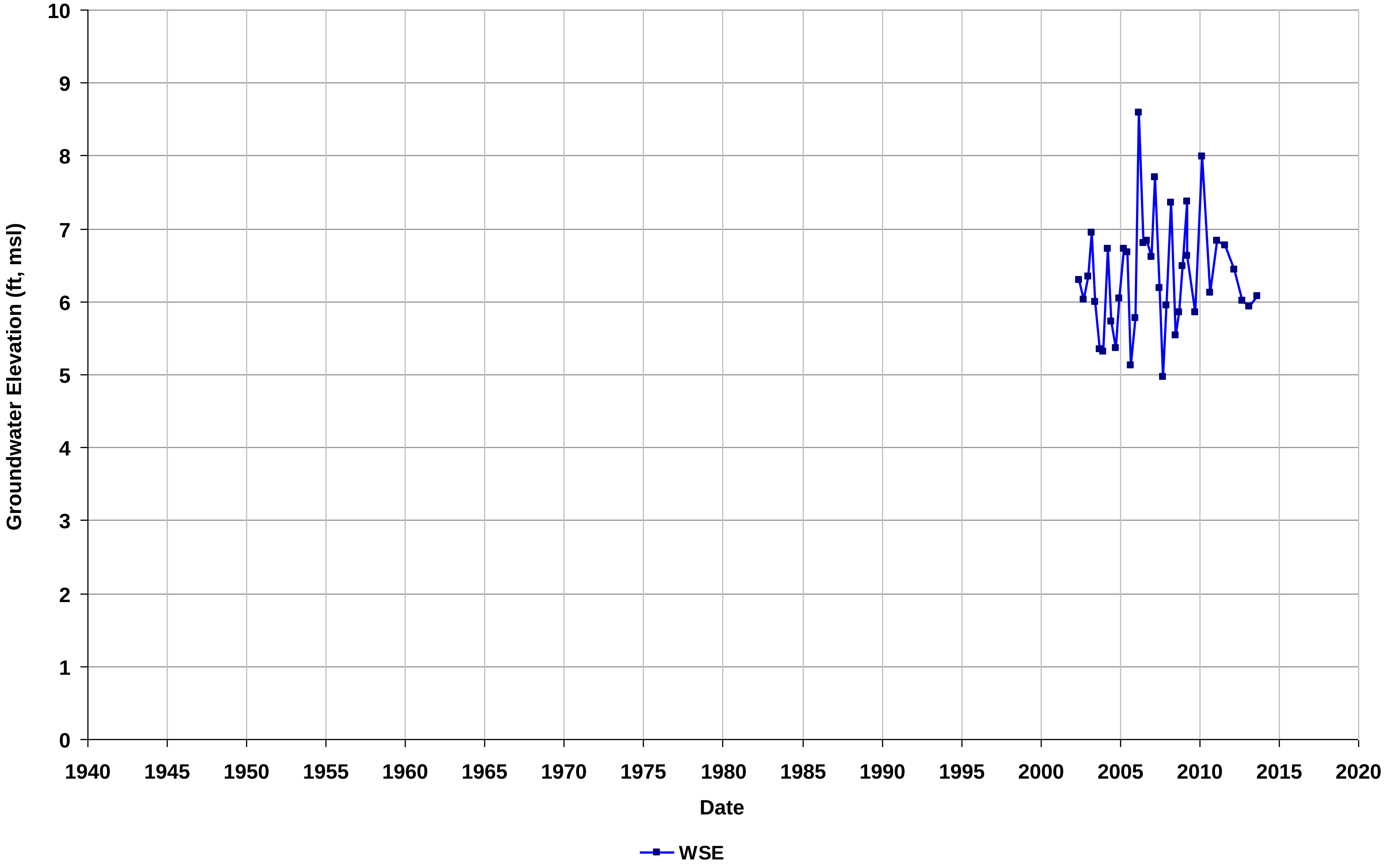
Well Name: T0601391856-S-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/28
Well Use: Observation



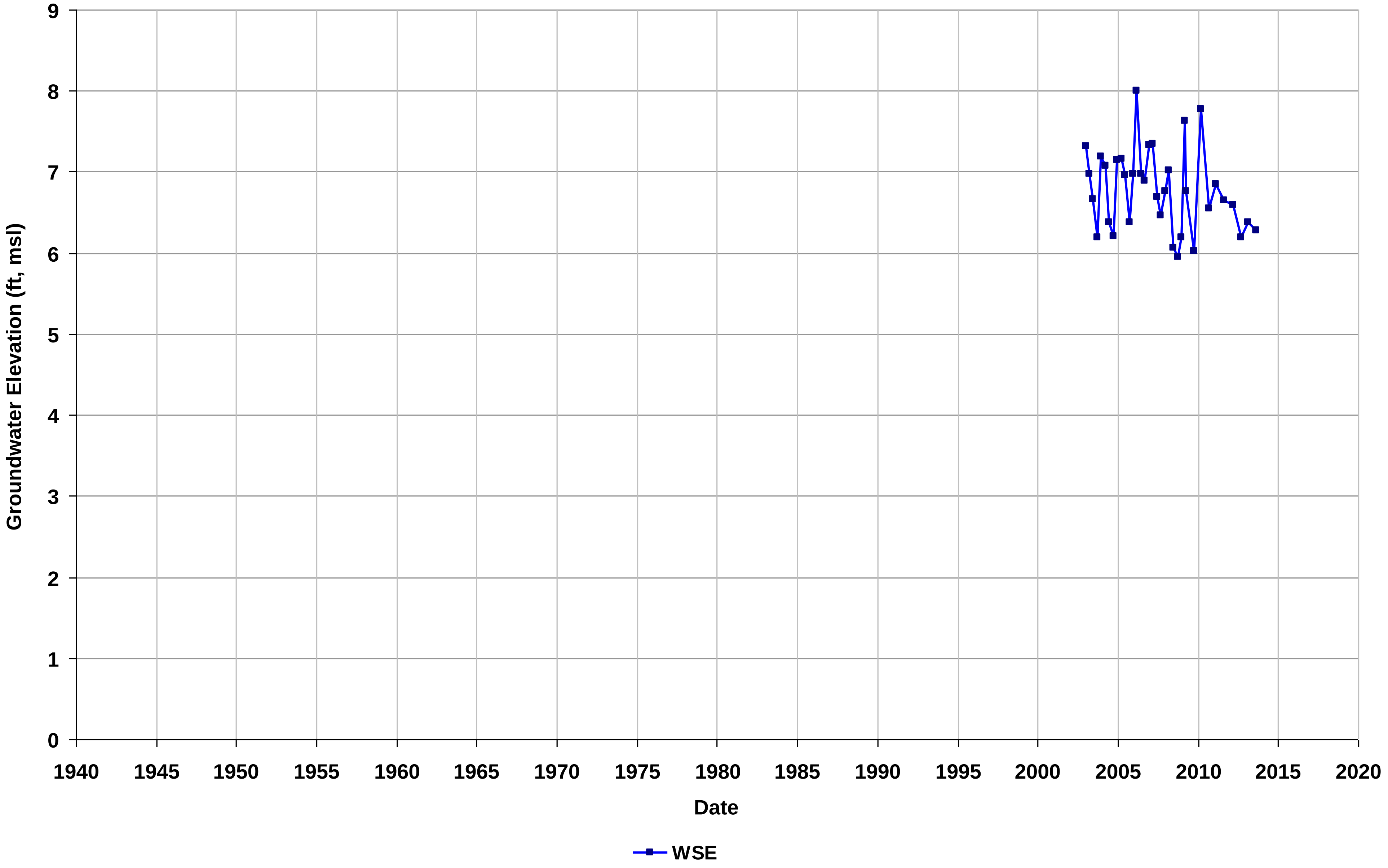
Well Name: T0601391856-S-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/28
Well Use: Observation



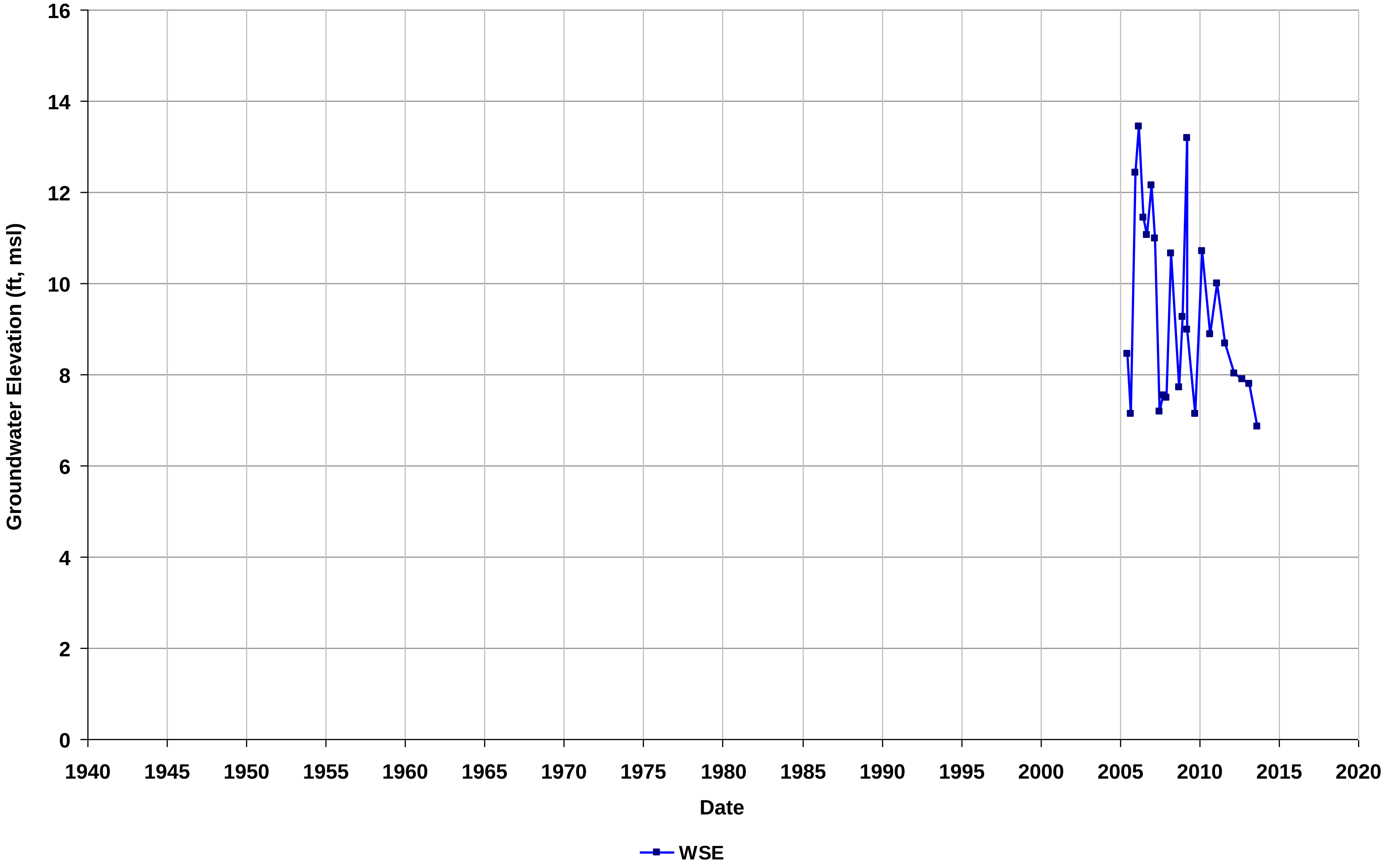
Well Name: T0601391856-S-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/28
Well Use: Observation



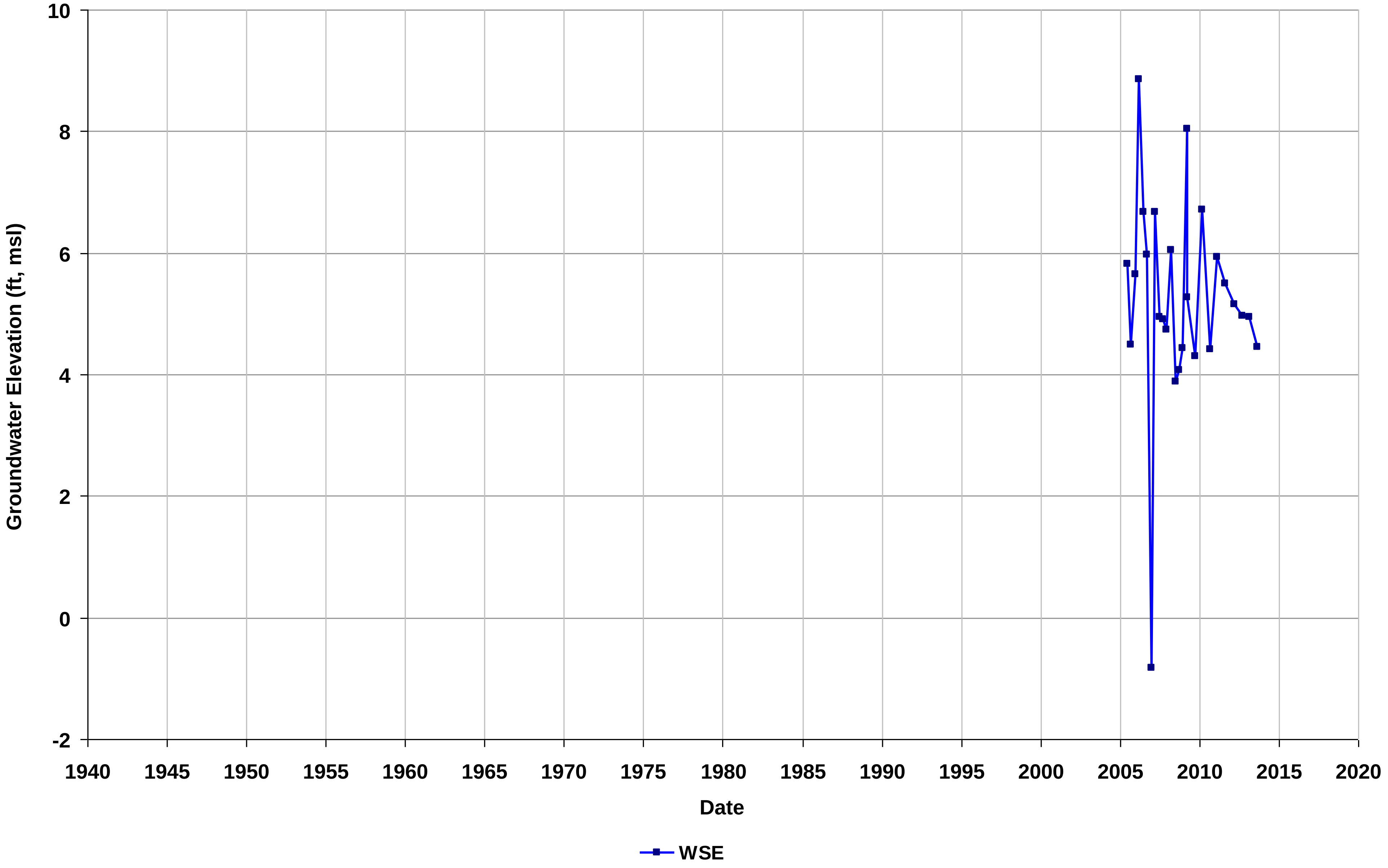
Well Name: T0601391856-S-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/28
Well Use: Observation



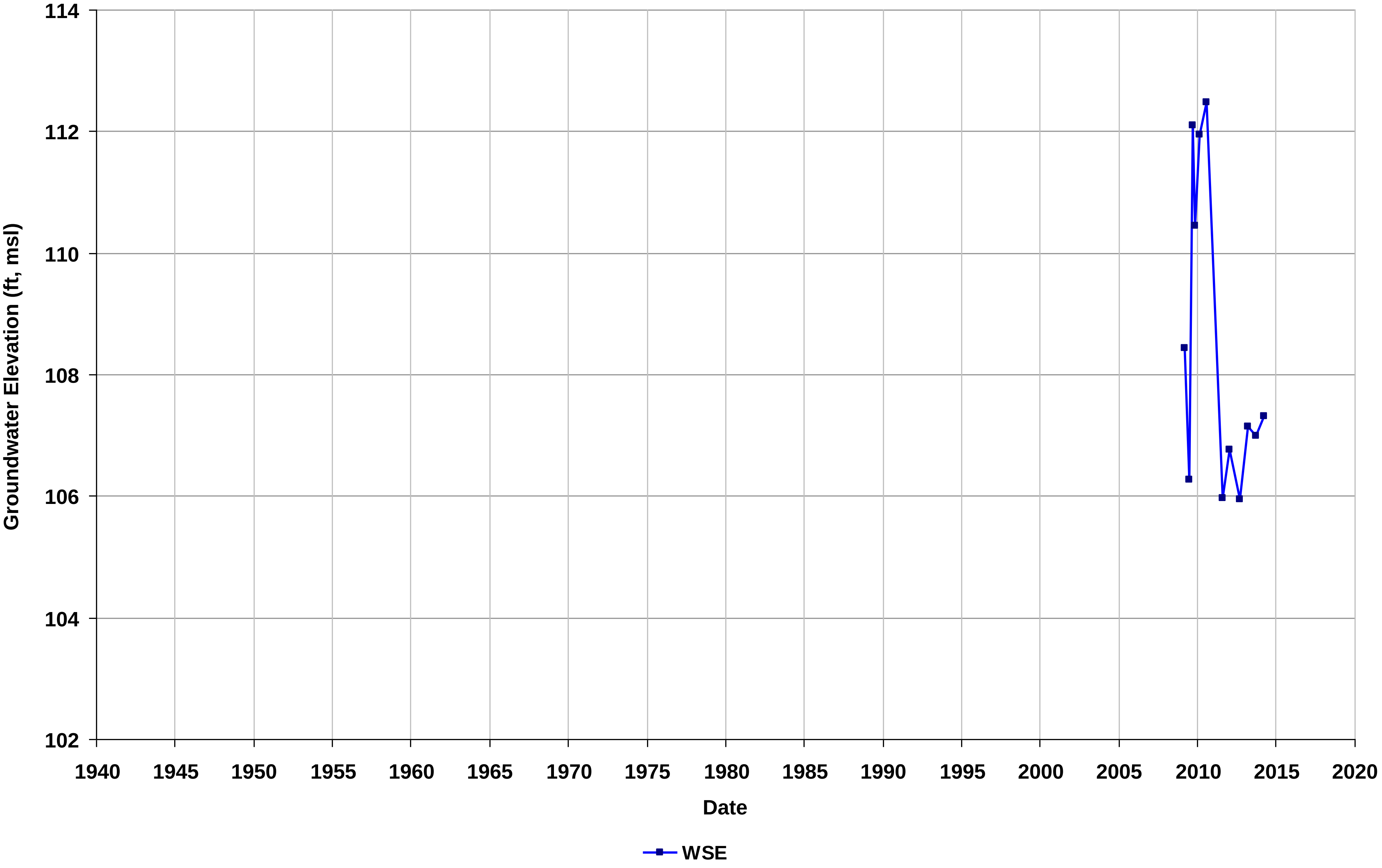
Well Name: T0601391856-S-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/28
Well Use: Observation



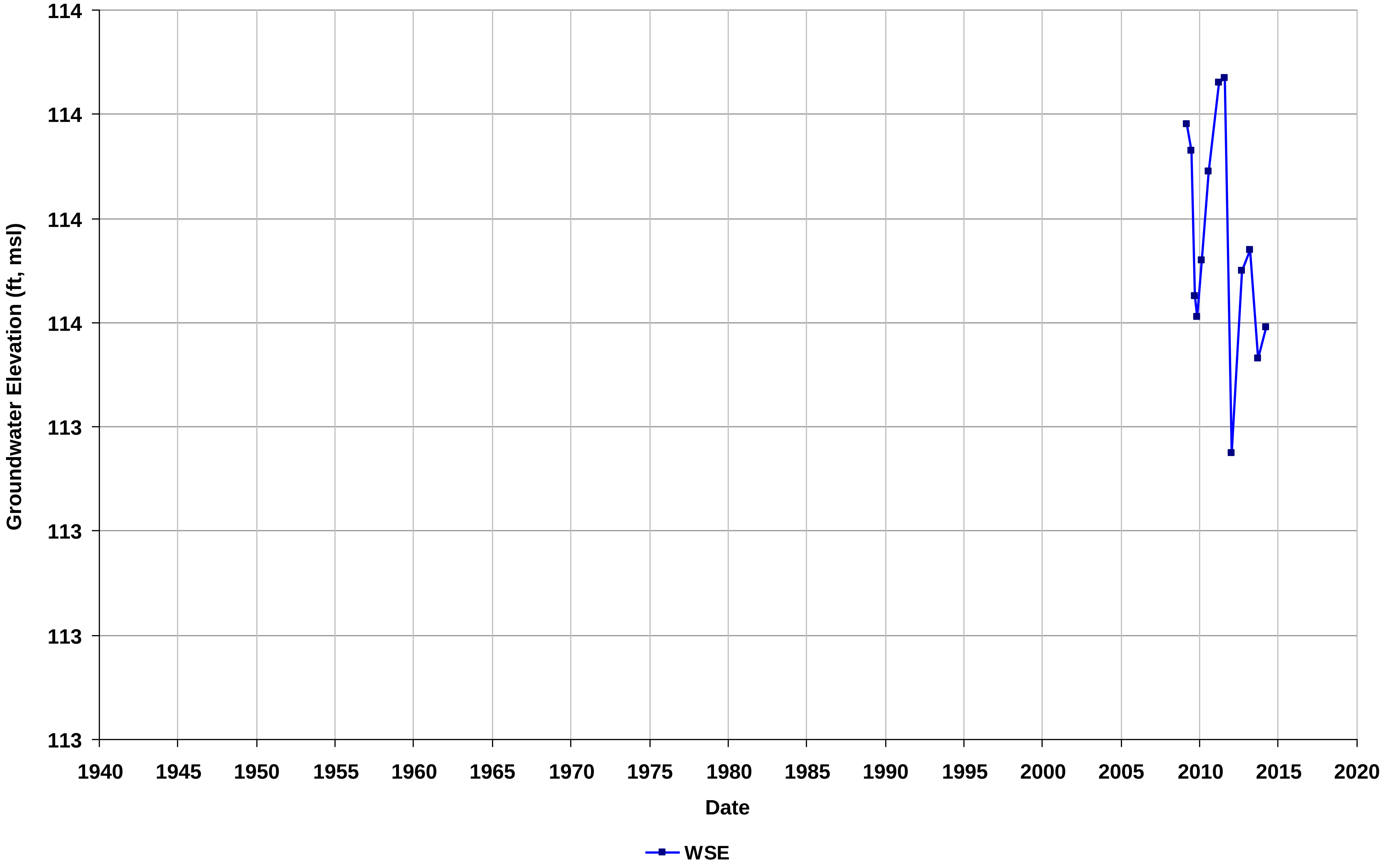
Well Name: T06019734306-MW-11A
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/03W/31
Well Use: Observation



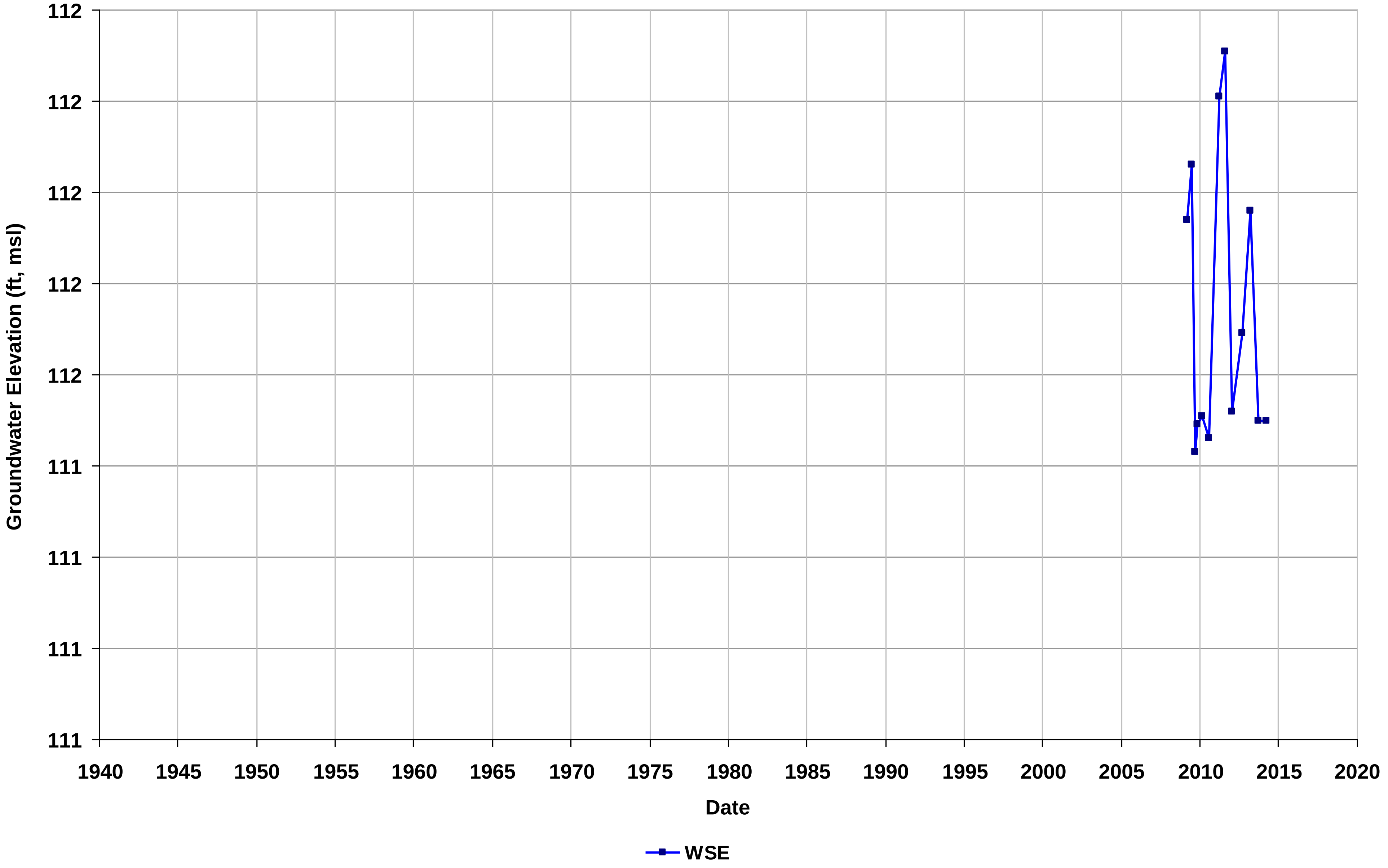
Well Name: T06019734306-MW-11B
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/03W/31
Well Use: Observation



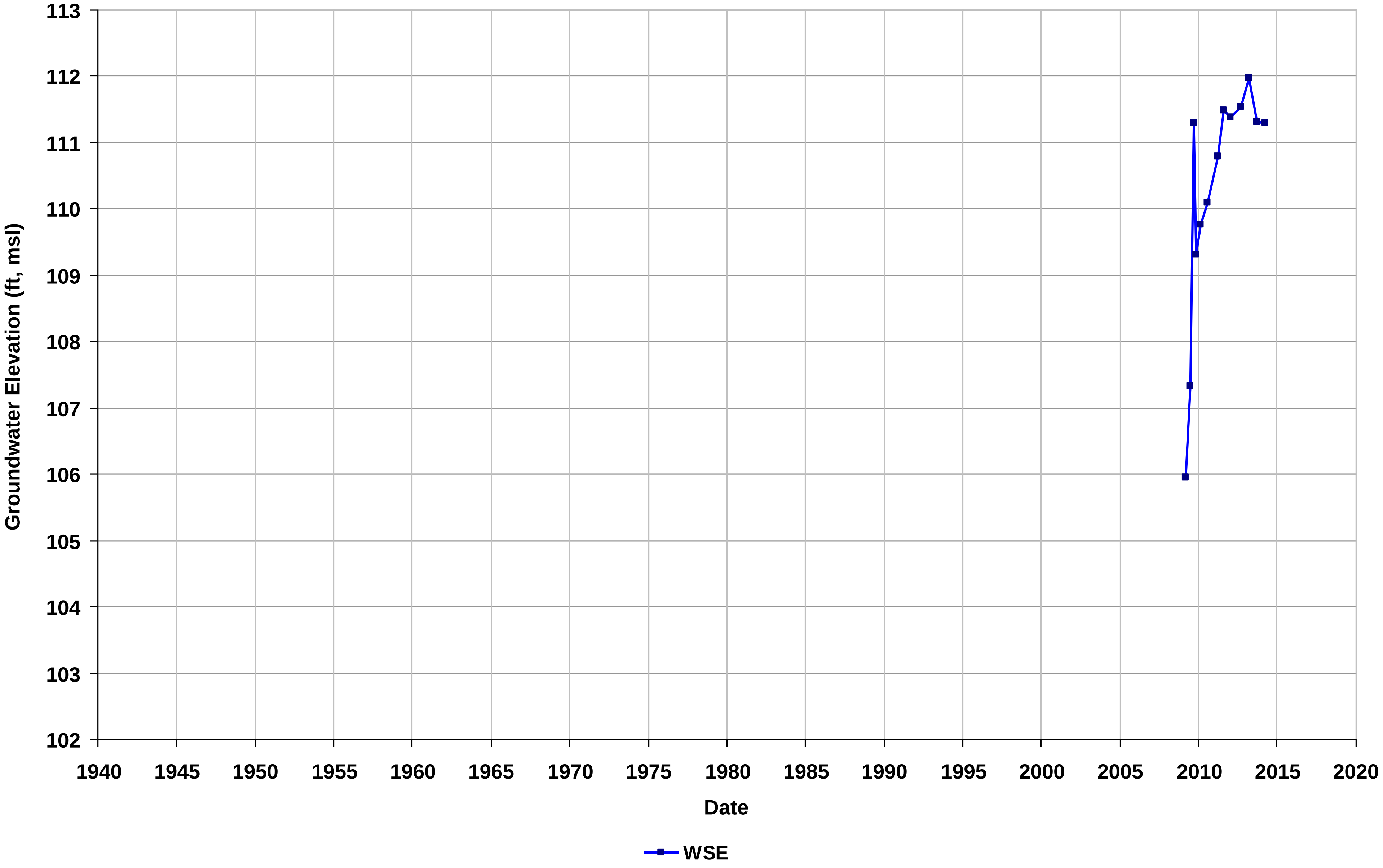
Well Name: T06019734306-MW-12A
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/03W/31
Well Use: Observation



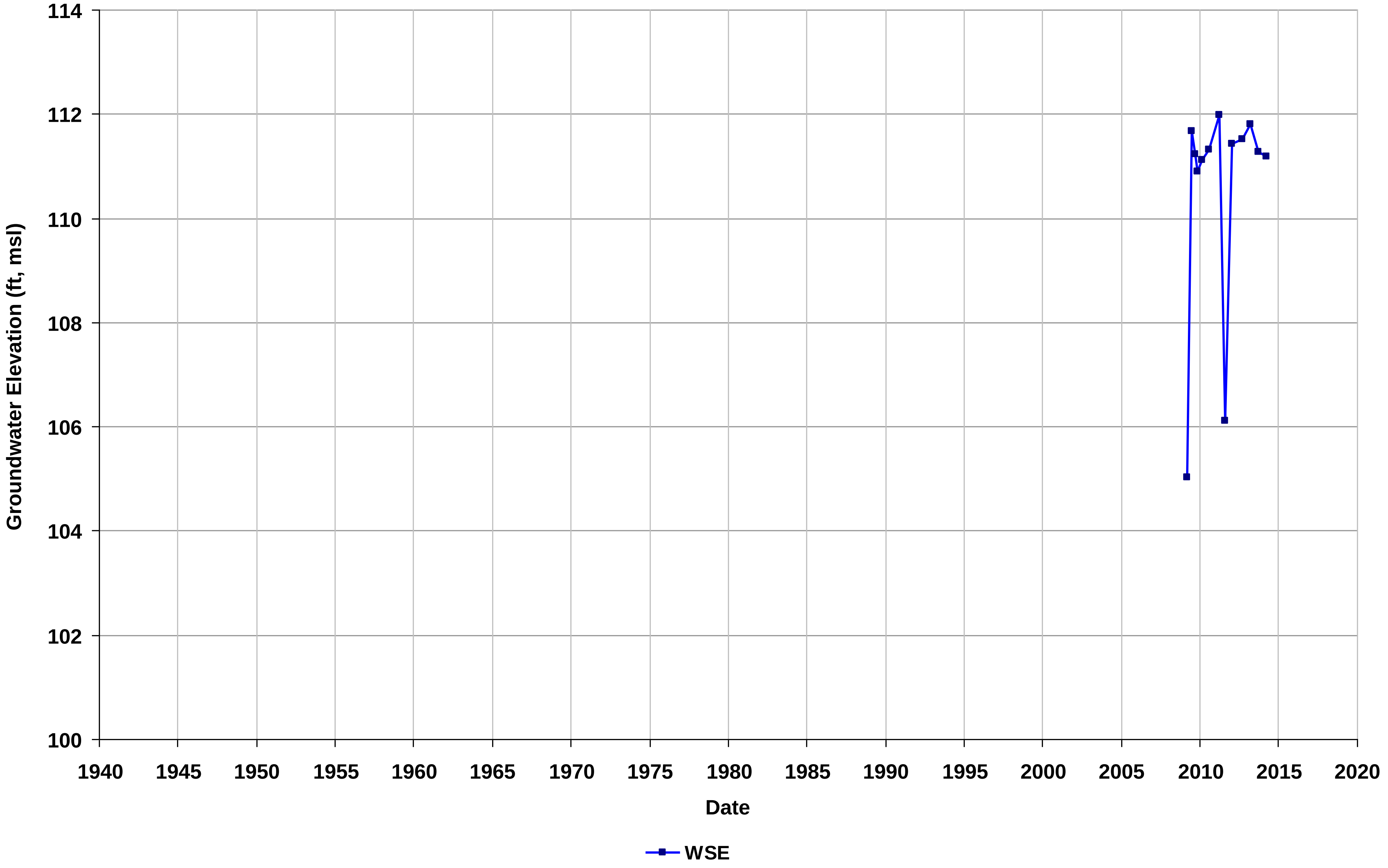
Well Name: T06019734306-MW-12B
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/03W/31
Well Use: Observation



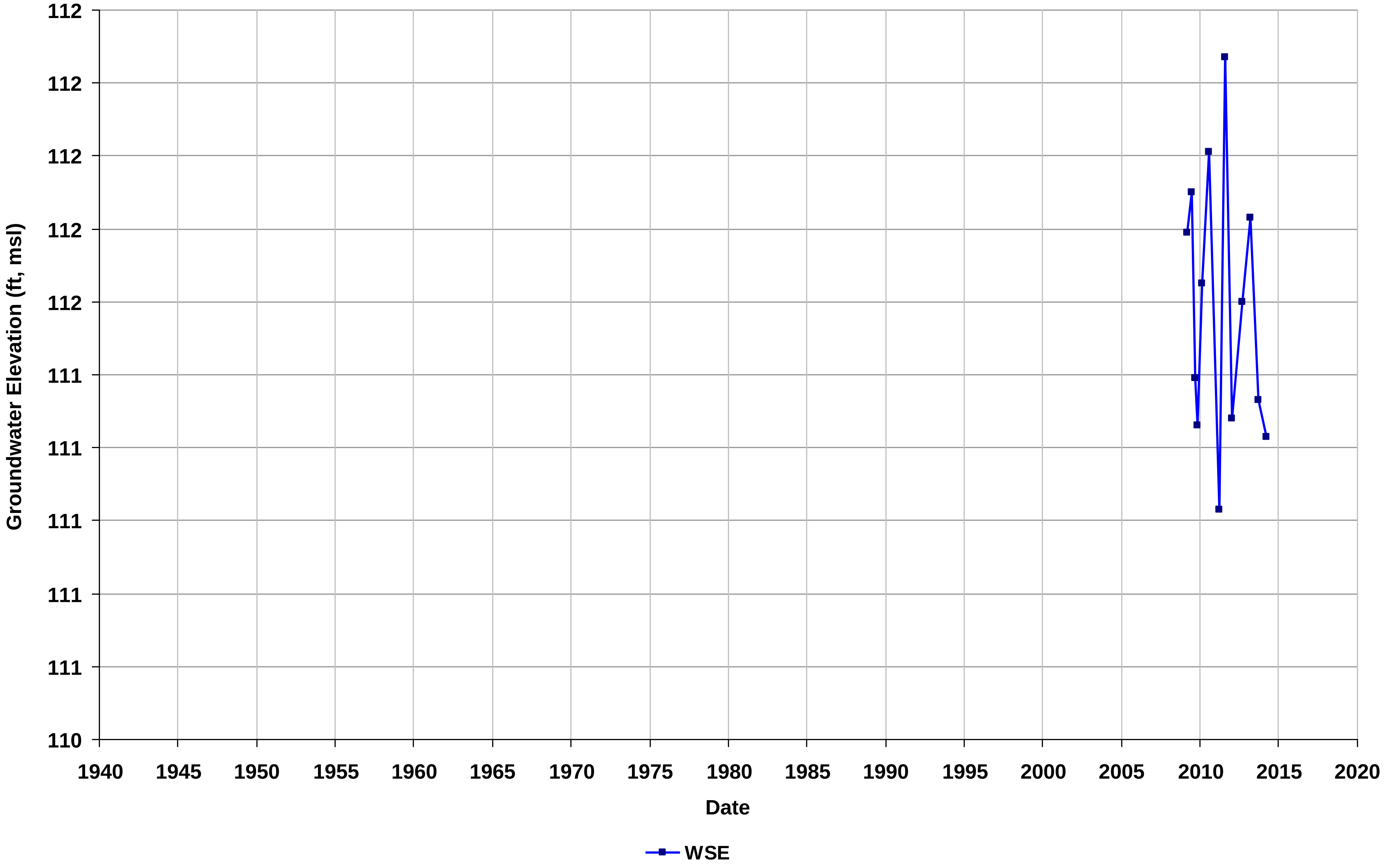
Well Name: T06019734306-MW-13A
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/03W/31
Well Use: Observation



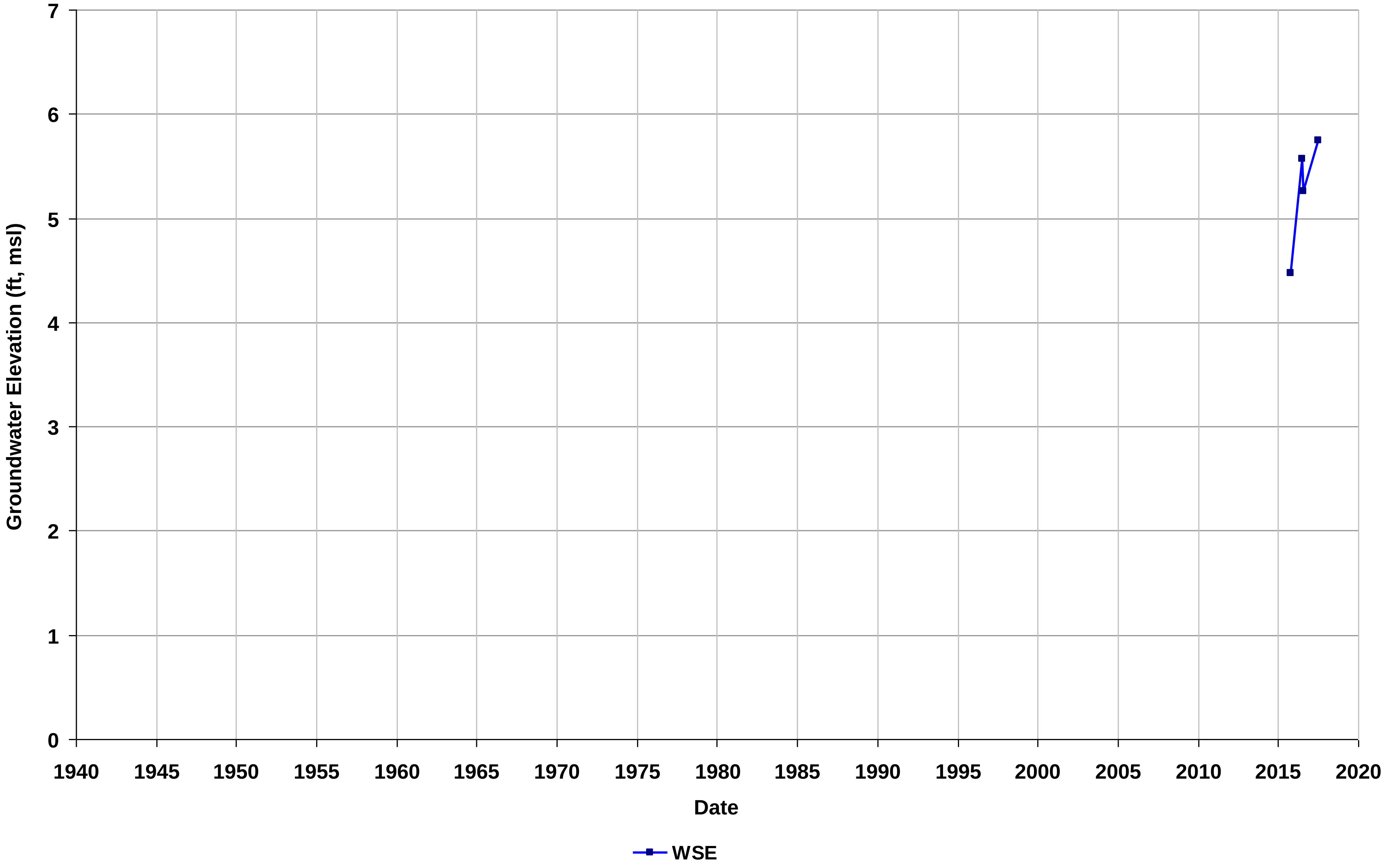
Well Name: T06019734306-MW-13B
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/03W/31
Well Use: Observation



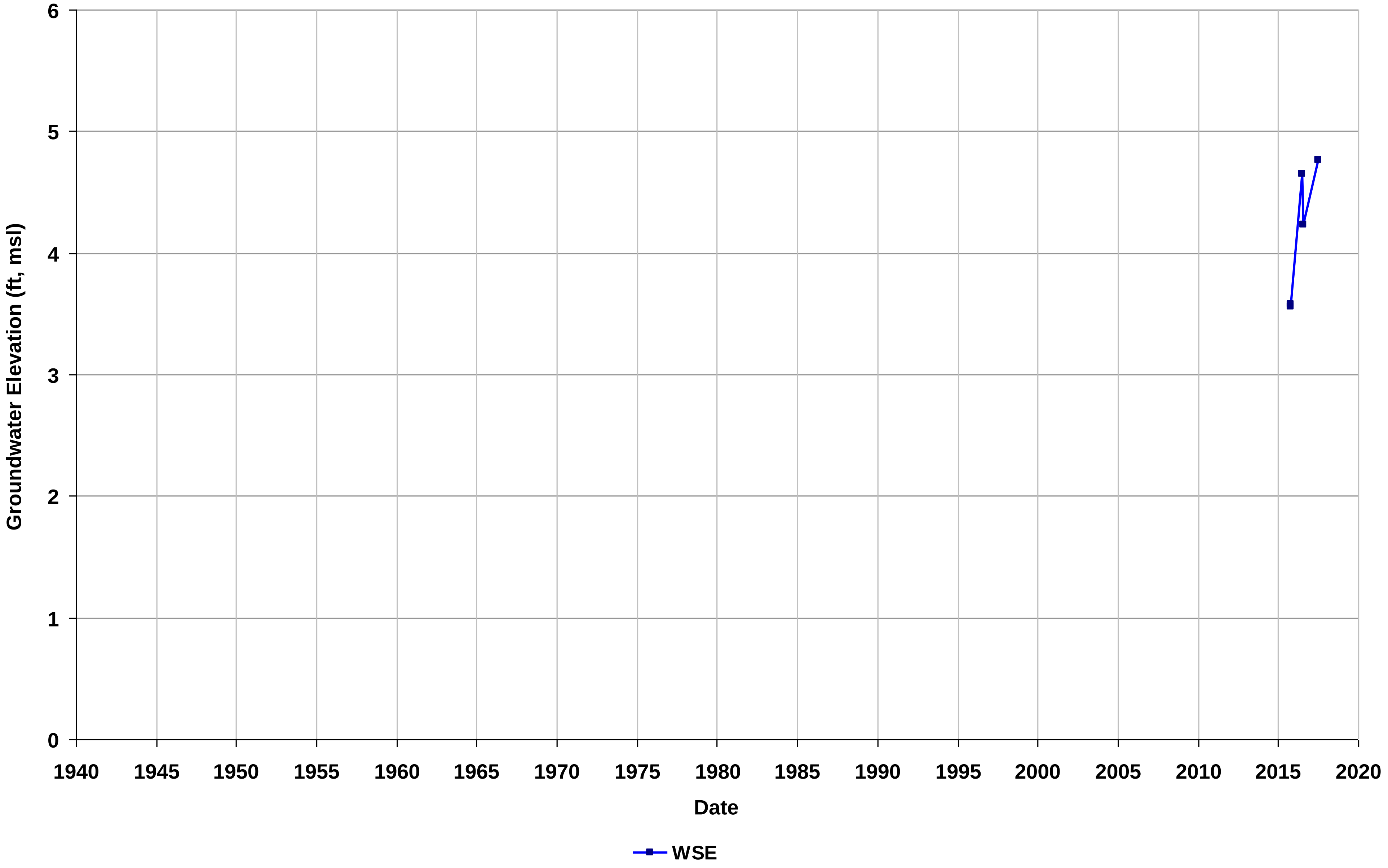
Well Name: T06019741226-MW1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/22
Well Use: Observation



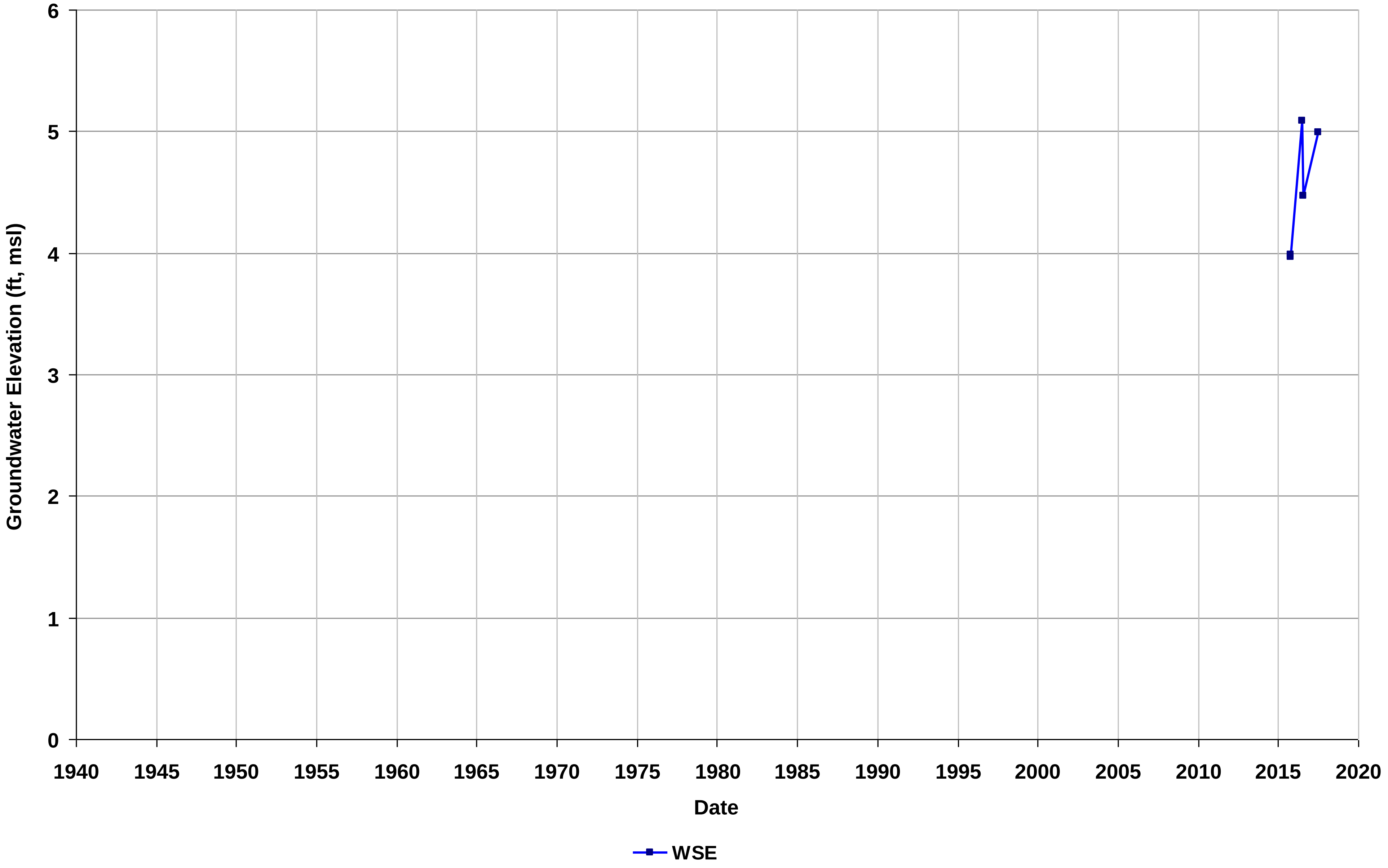
Well Name: T06019741226-MW2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/22
Well Use: Observation



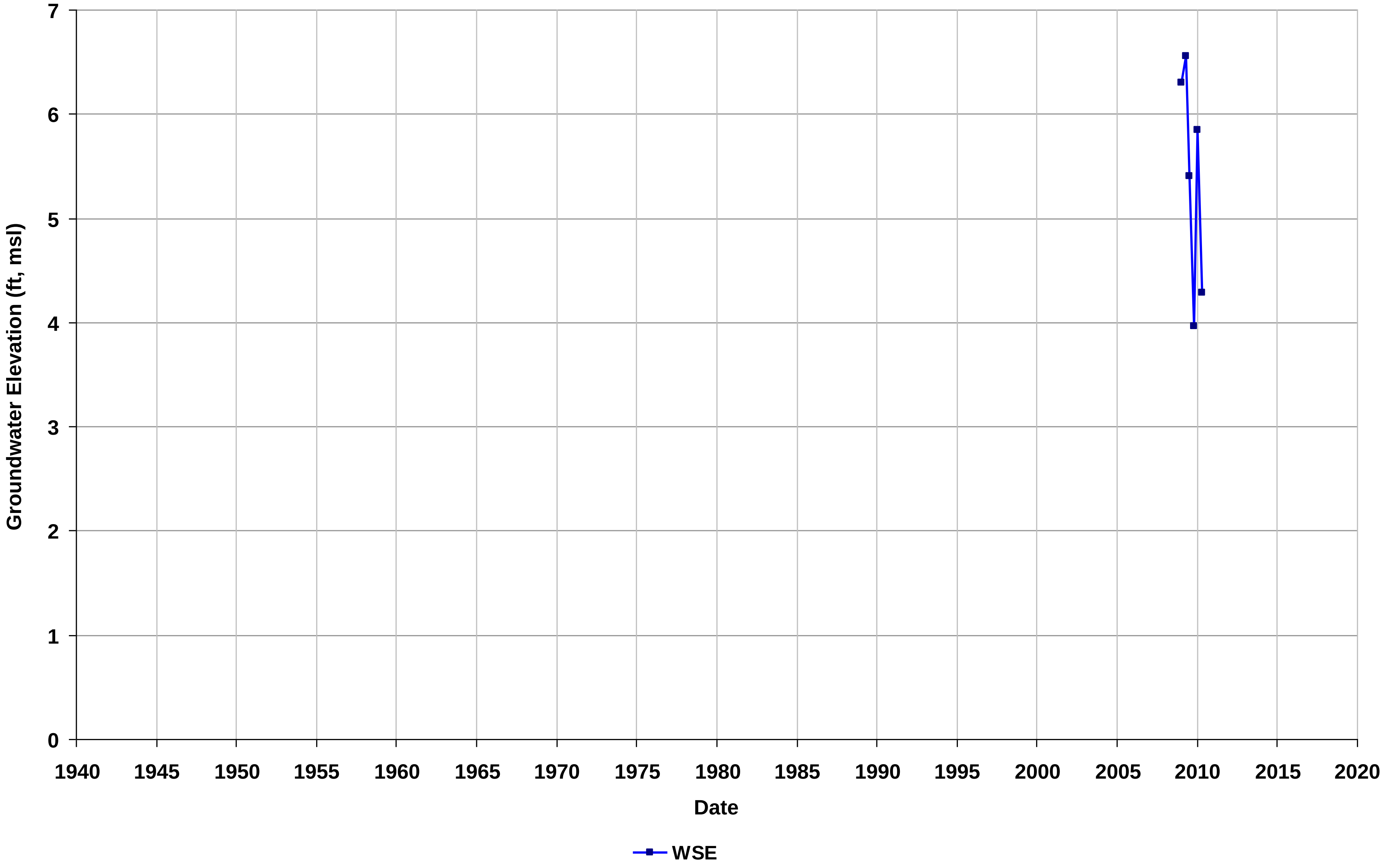
Well Name: T06019741226-MW3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/04W/22
Well Use: Observation



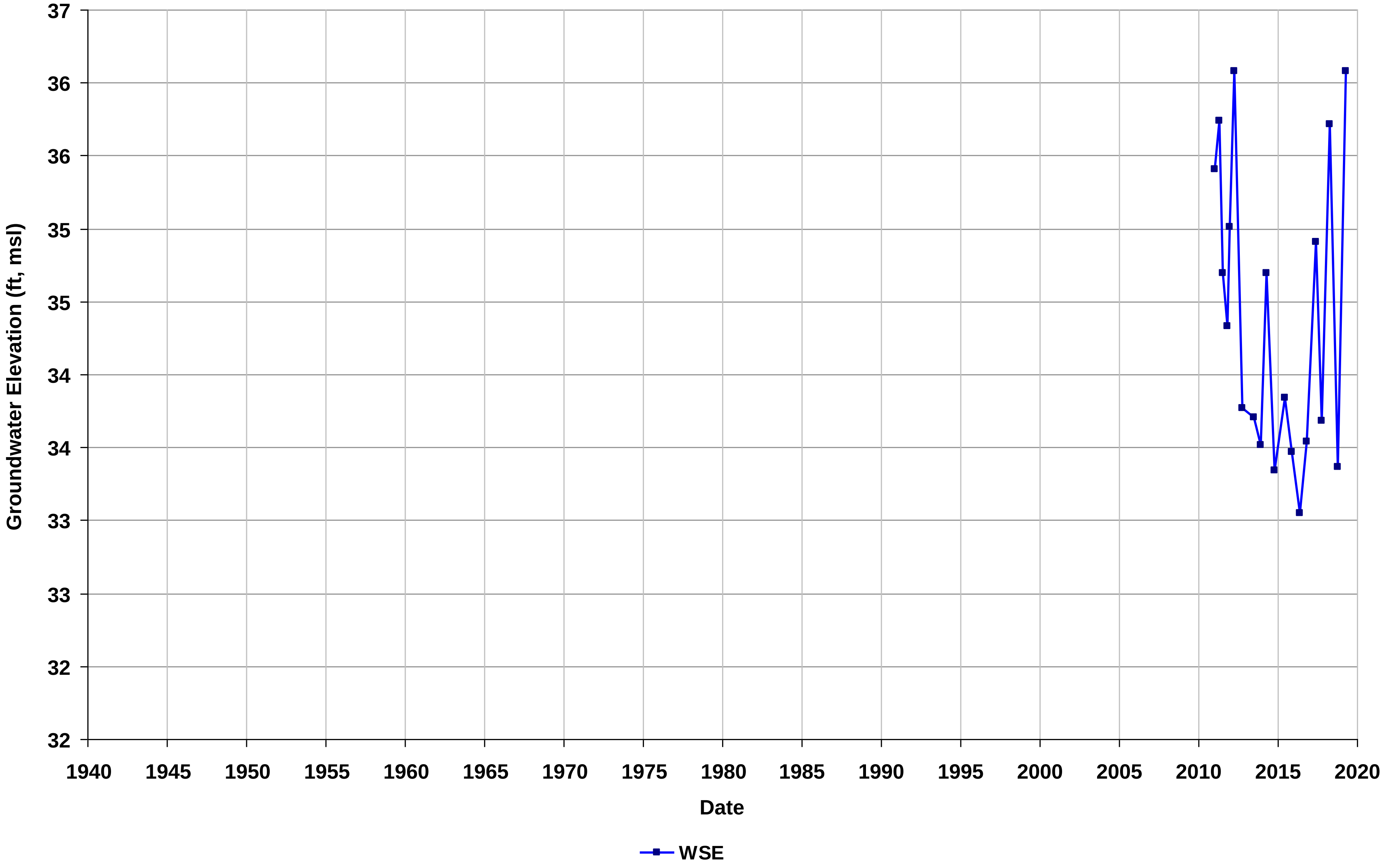
Well Name: T06019744728-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/07
Well Use: Observation



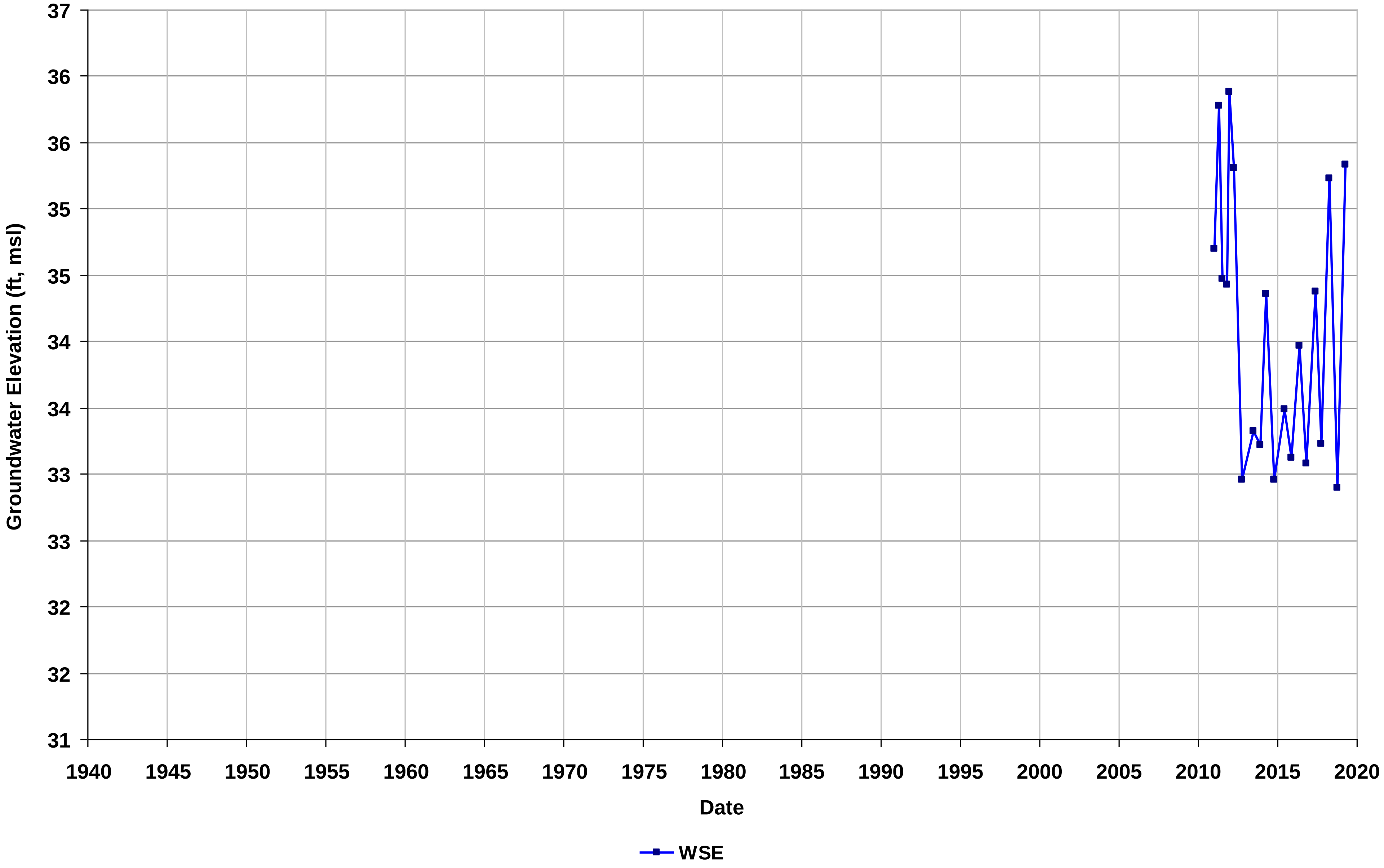
Well Name: T0619716673-MW1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/33
Well Use: Observation



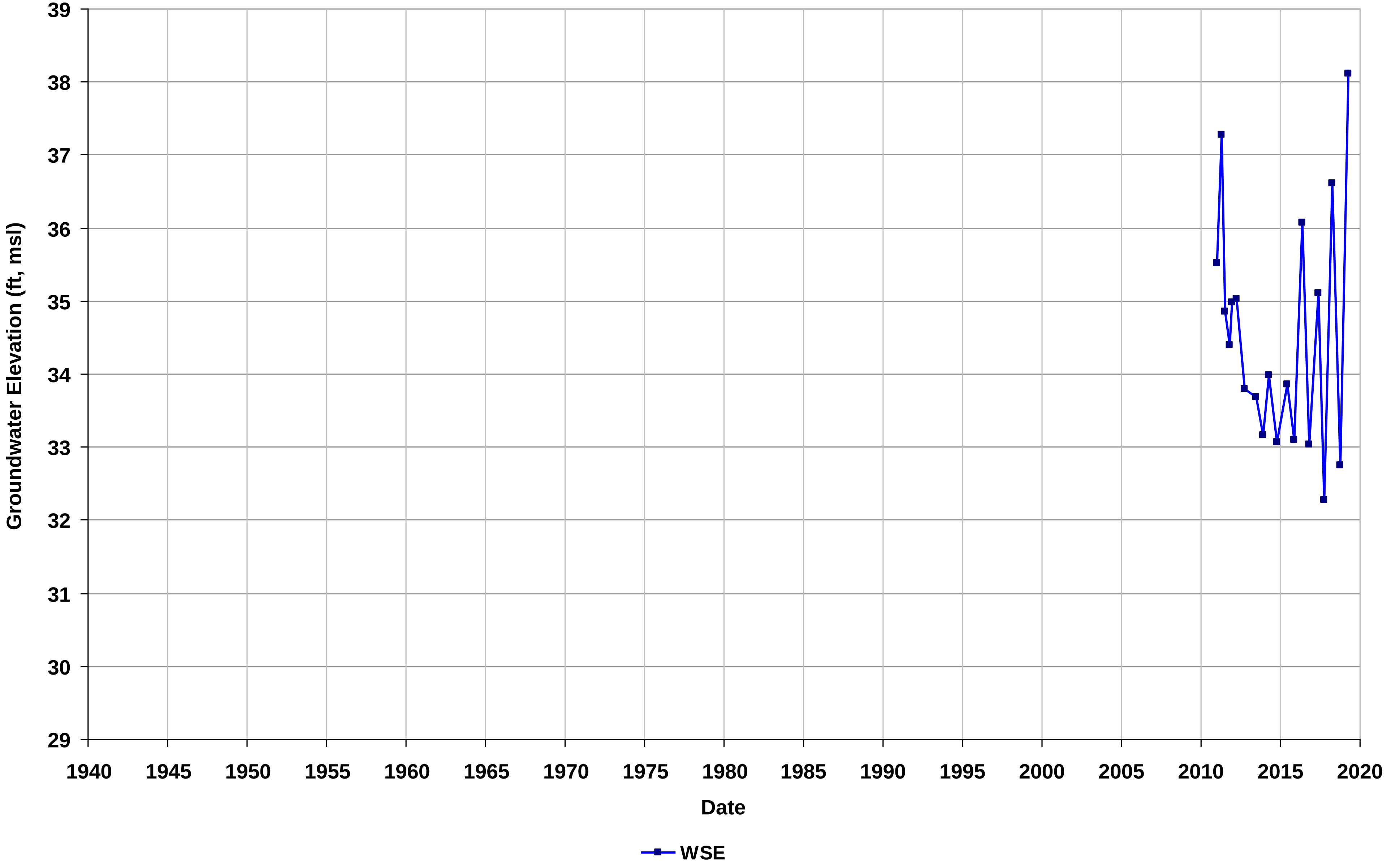
Well Name: T0619716673-MW2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/33
Well Use: Observation



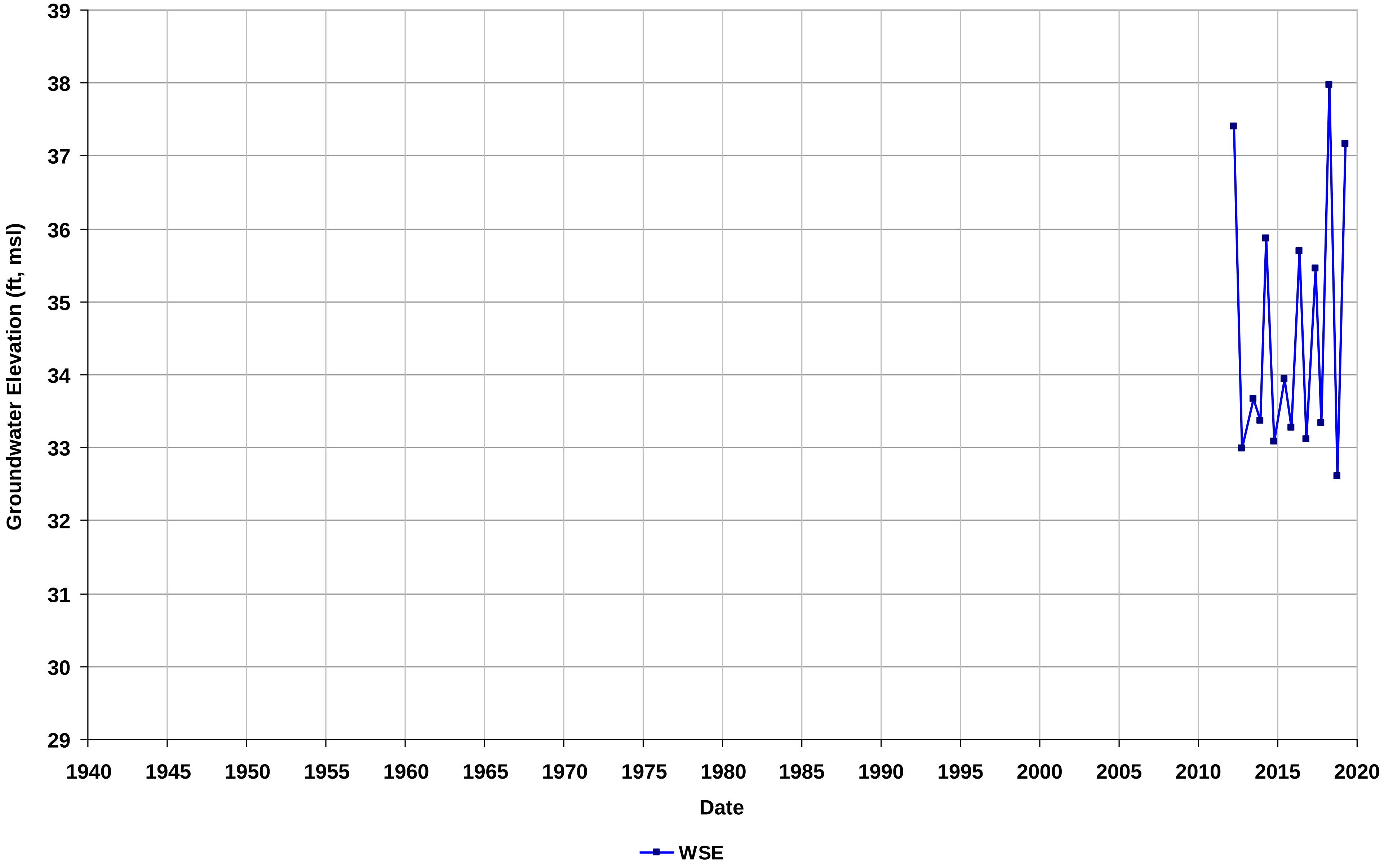
Well Name: T0619716673-MW3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/33
Well Use: Observation



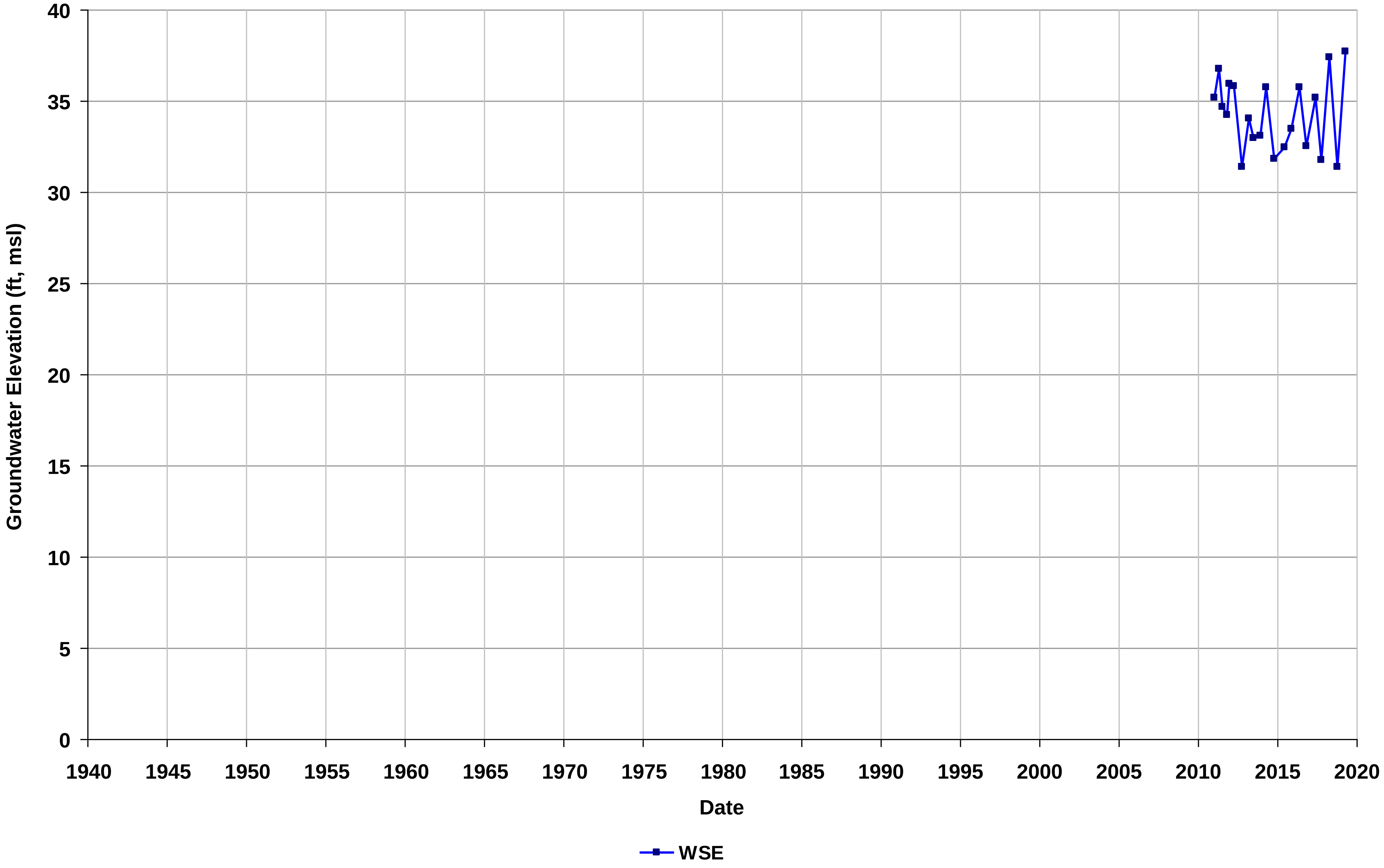
Well Name: T0619716673-MW3A
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/33
Well Use: Observation



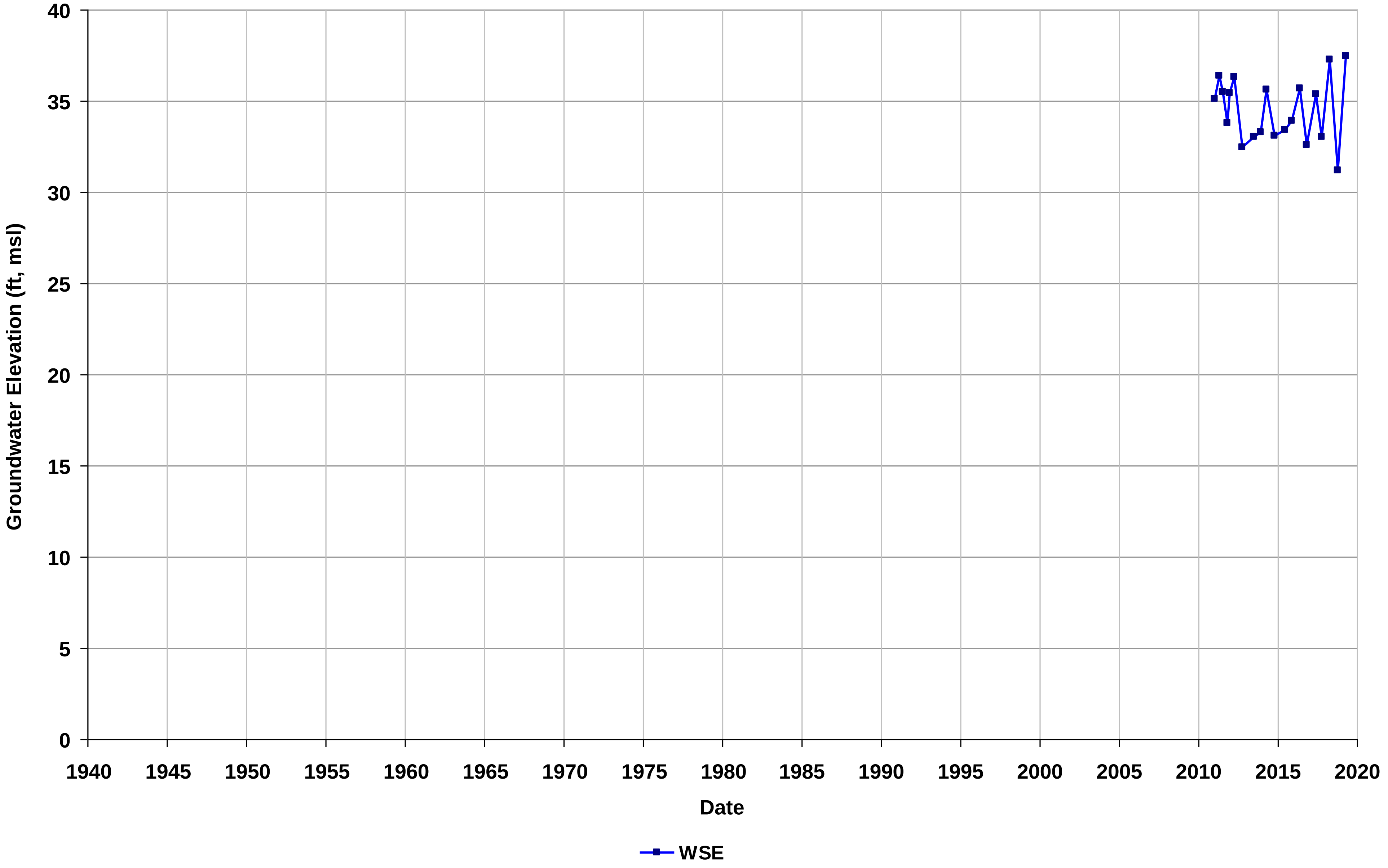
Well Name: T0619716673-MW4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/33
Well Use: Observation



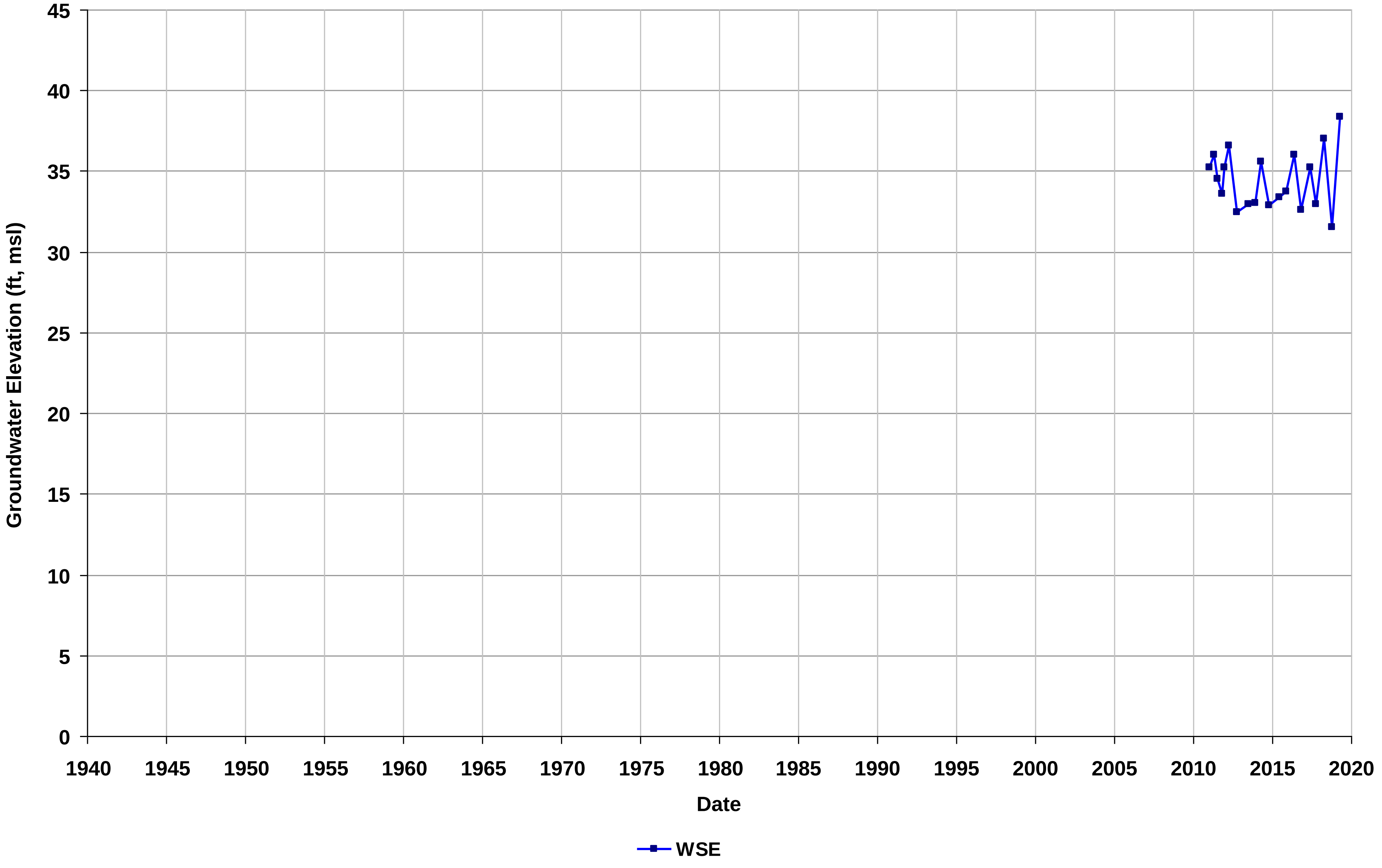
Well Name: T0619716673-MW5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/33
Well Use: Observation



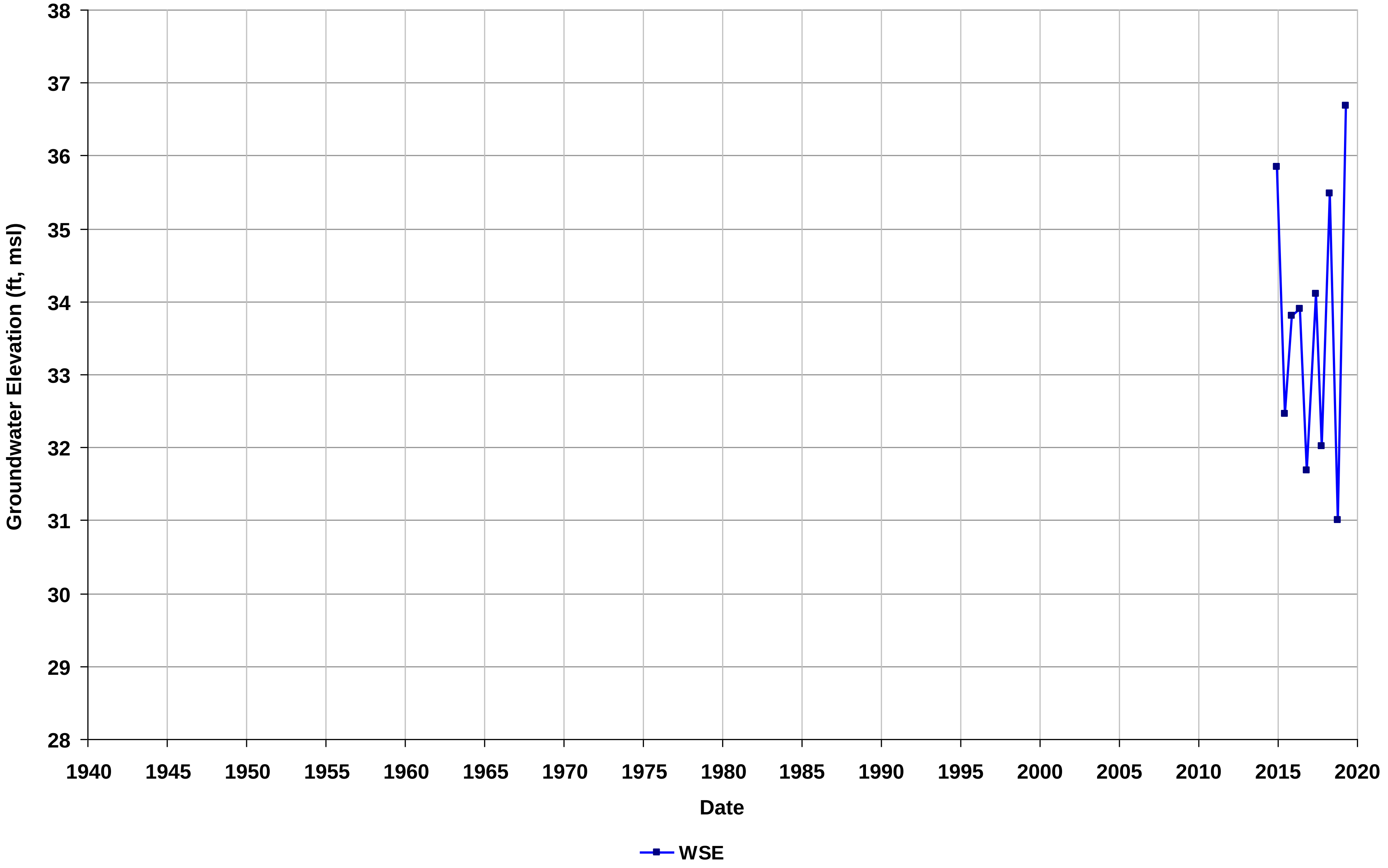
Well Name: T0619716673-MW6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/33
Well Use: Observation



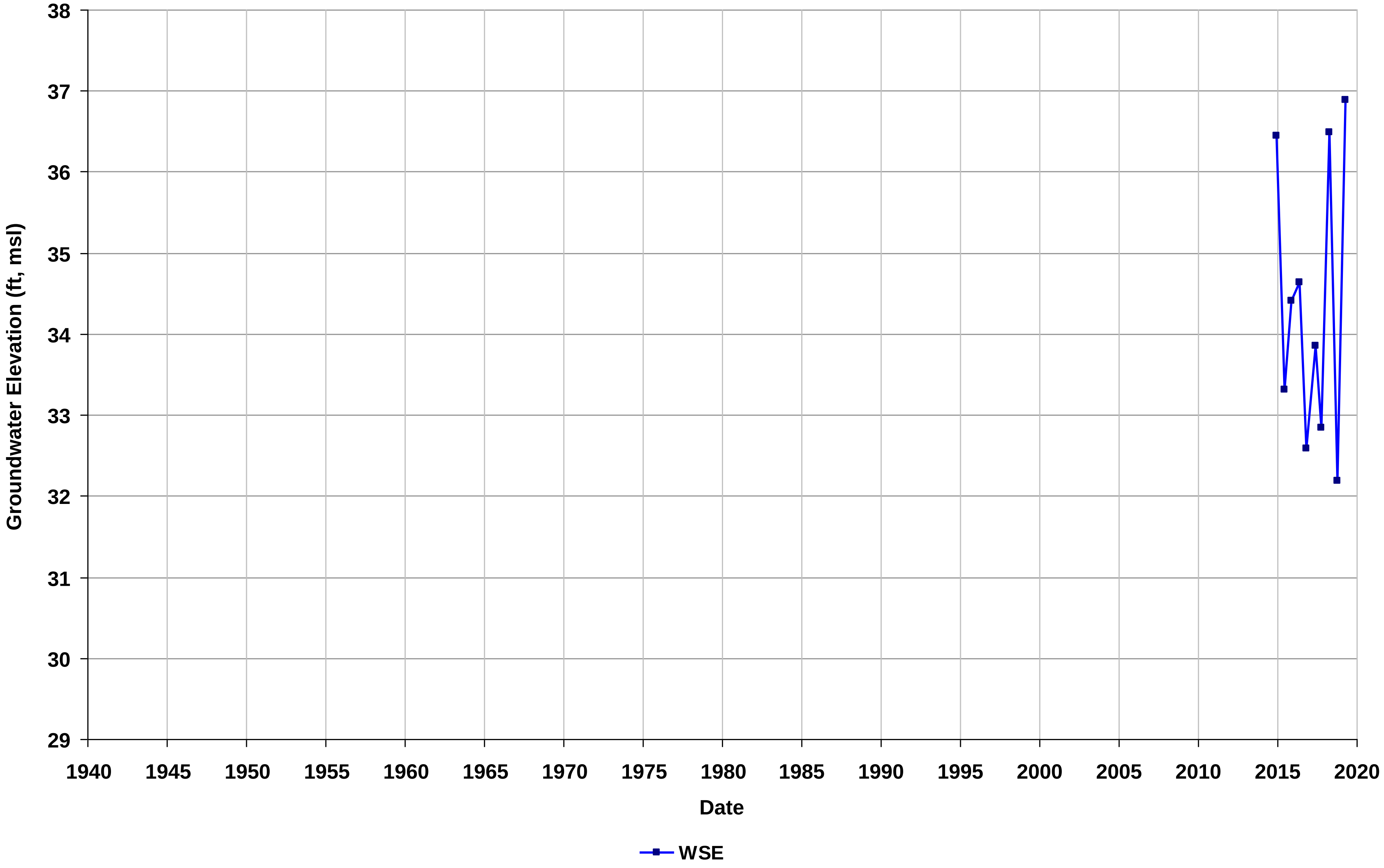
Well Name: T0619716673-MW7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/33
Well Use: Observation



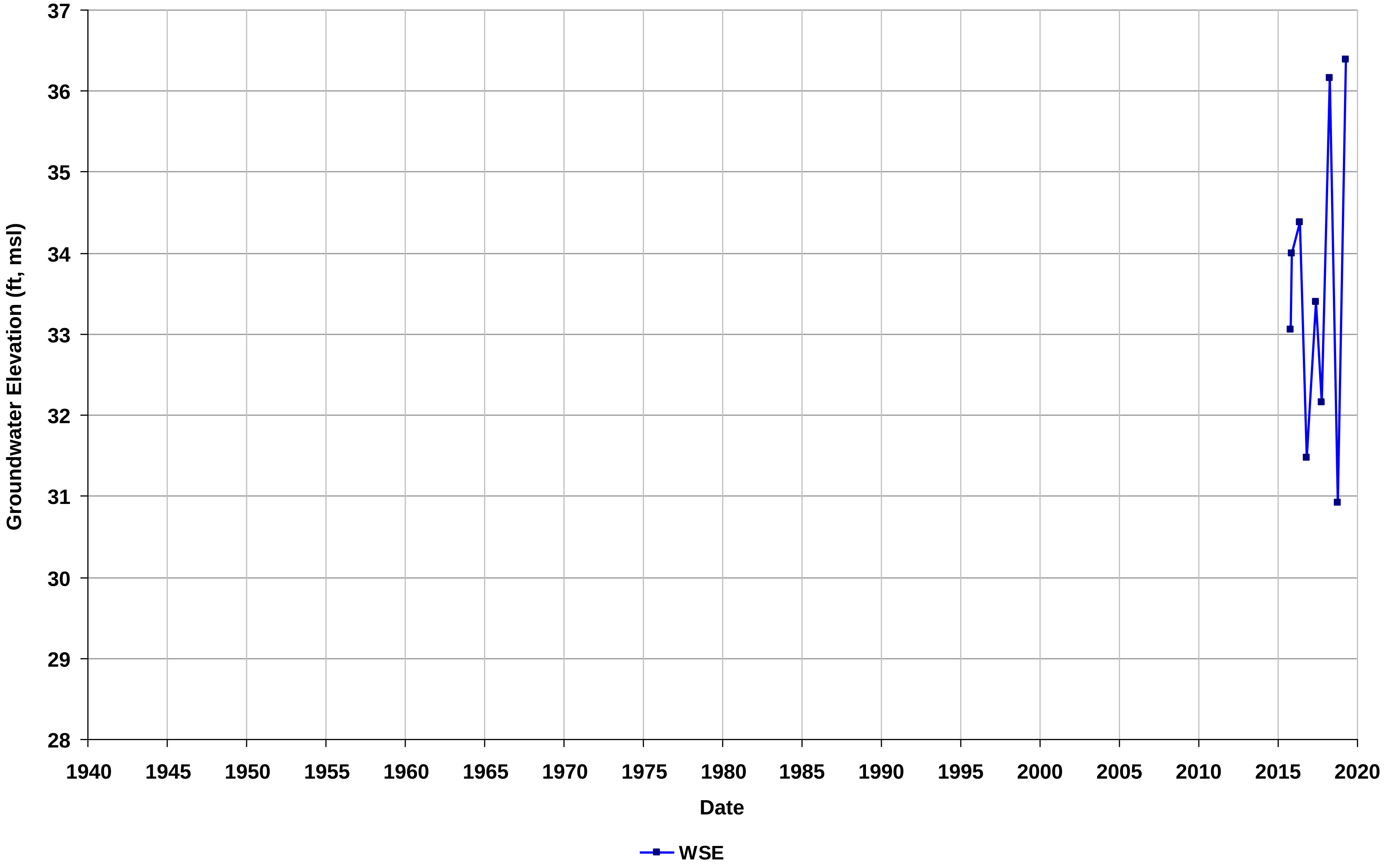
Well Name: T0619716673-MW8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/33
Well Use: Observation



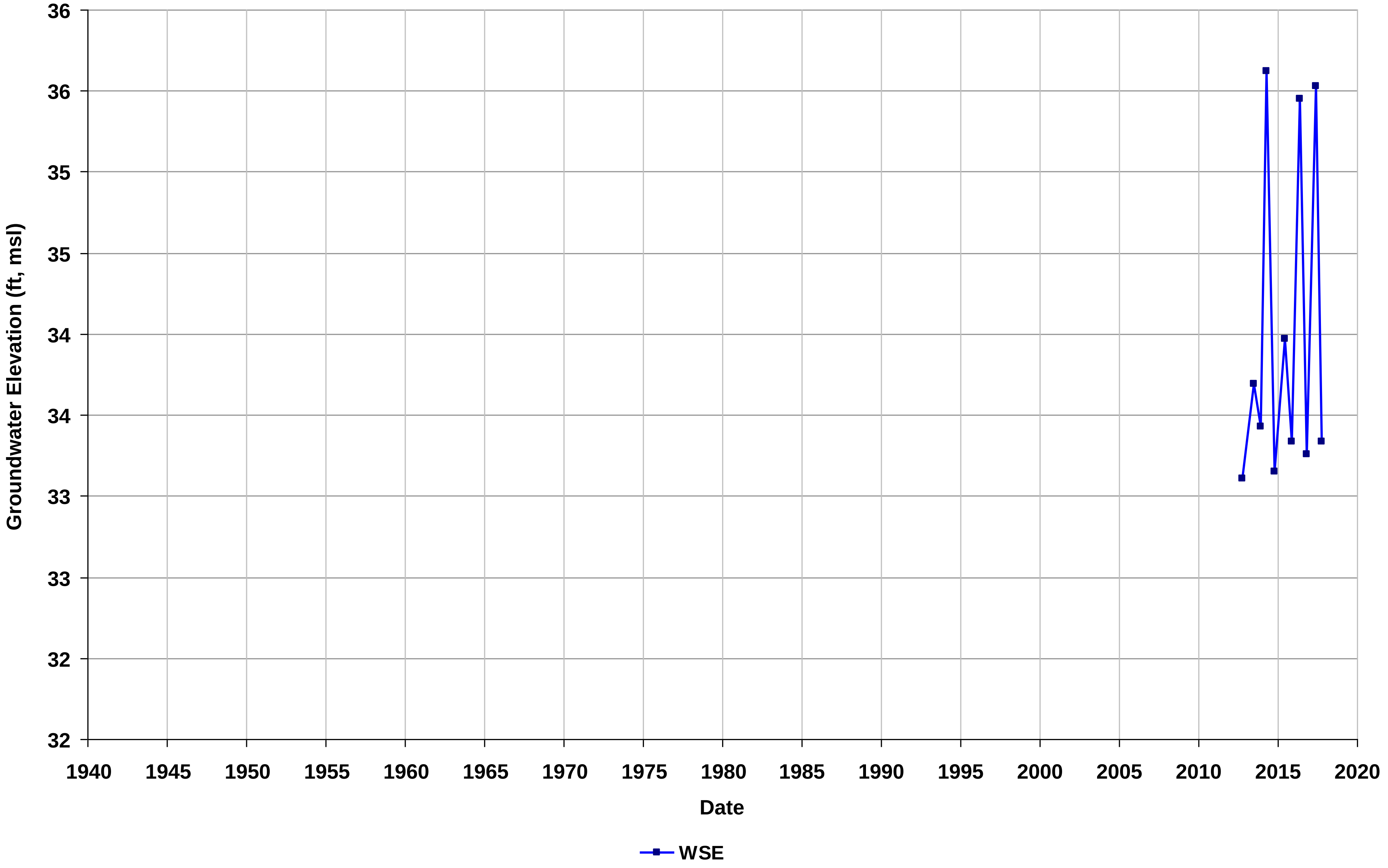
Well Name: T0619716673-MW9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/33
Well Use: Observation



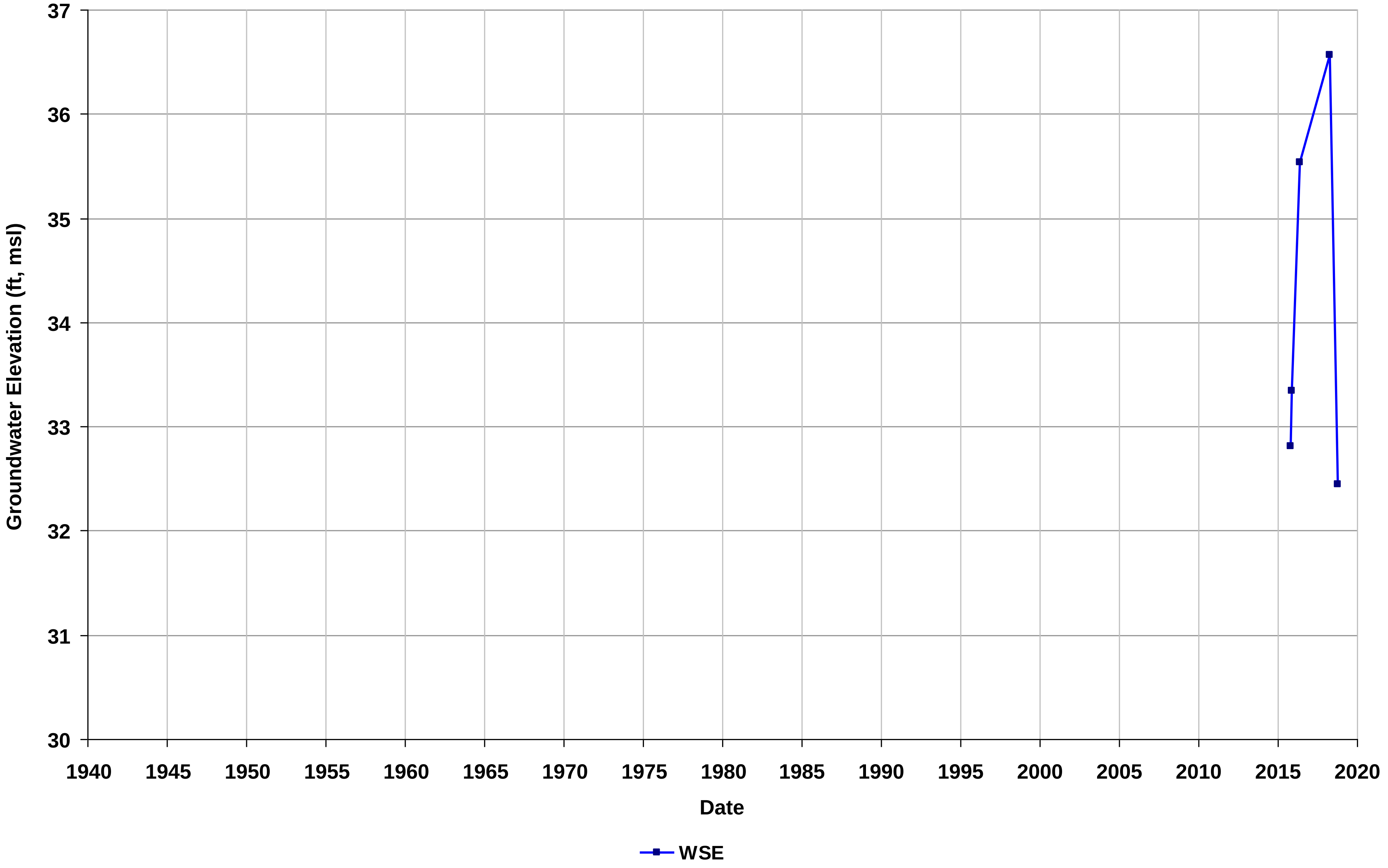
Well Name: T0619716673-SVE1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/33
Well Use: Observation



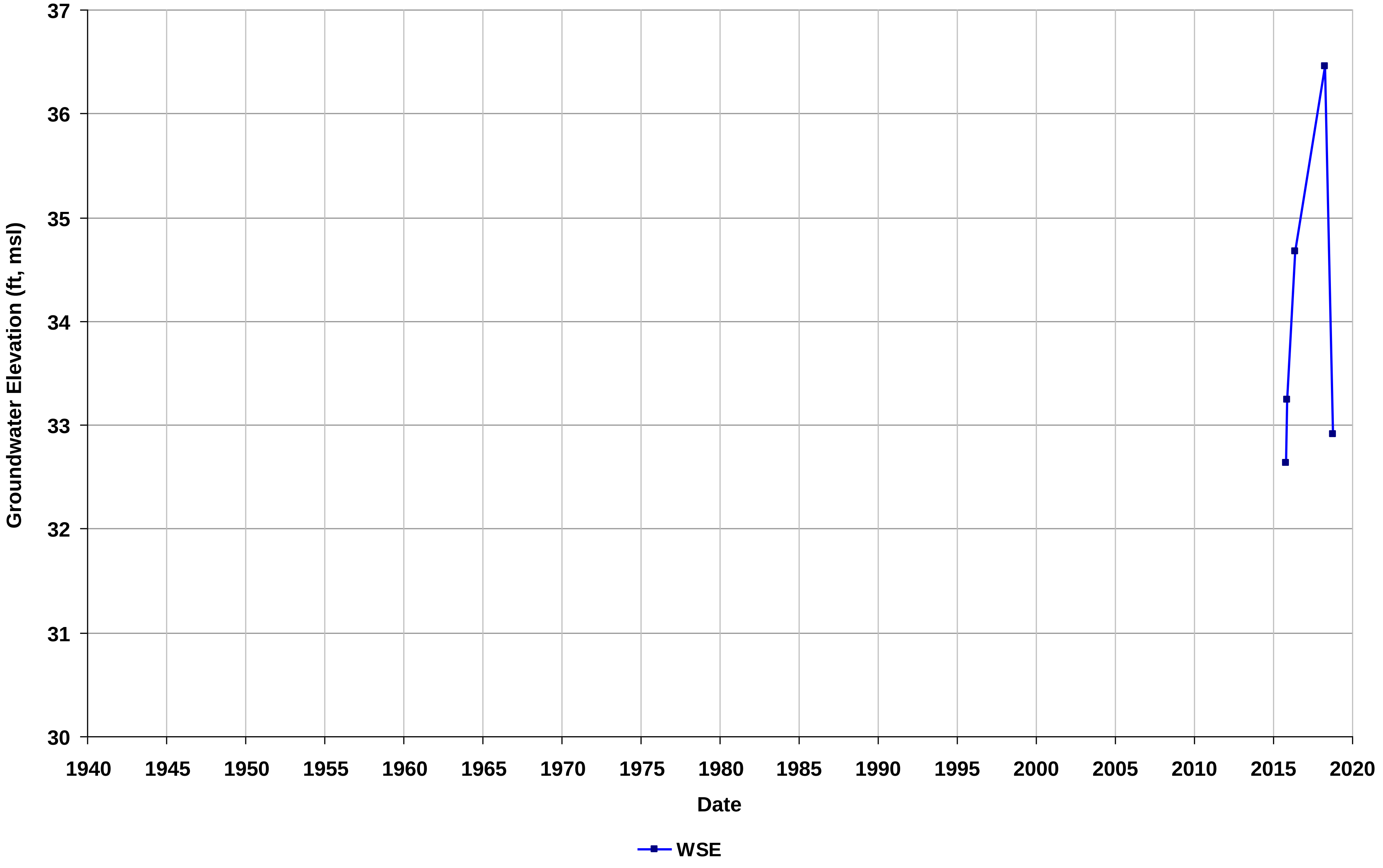
Well Name: T0619716673-SVE6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/33
Well Use: Observation



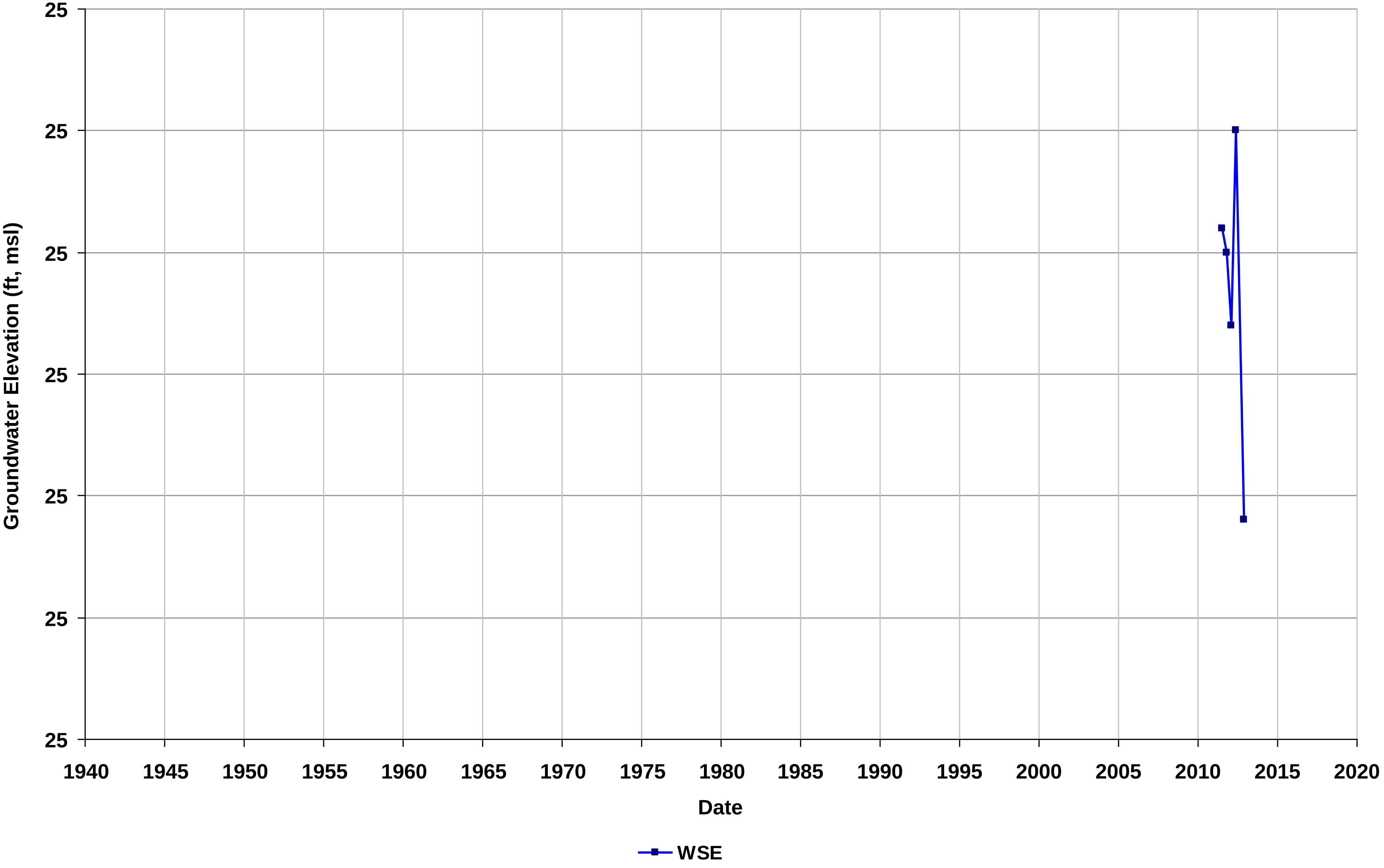
Well Name: T0619716673-SVE7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/04W/33
Well Use: Observation



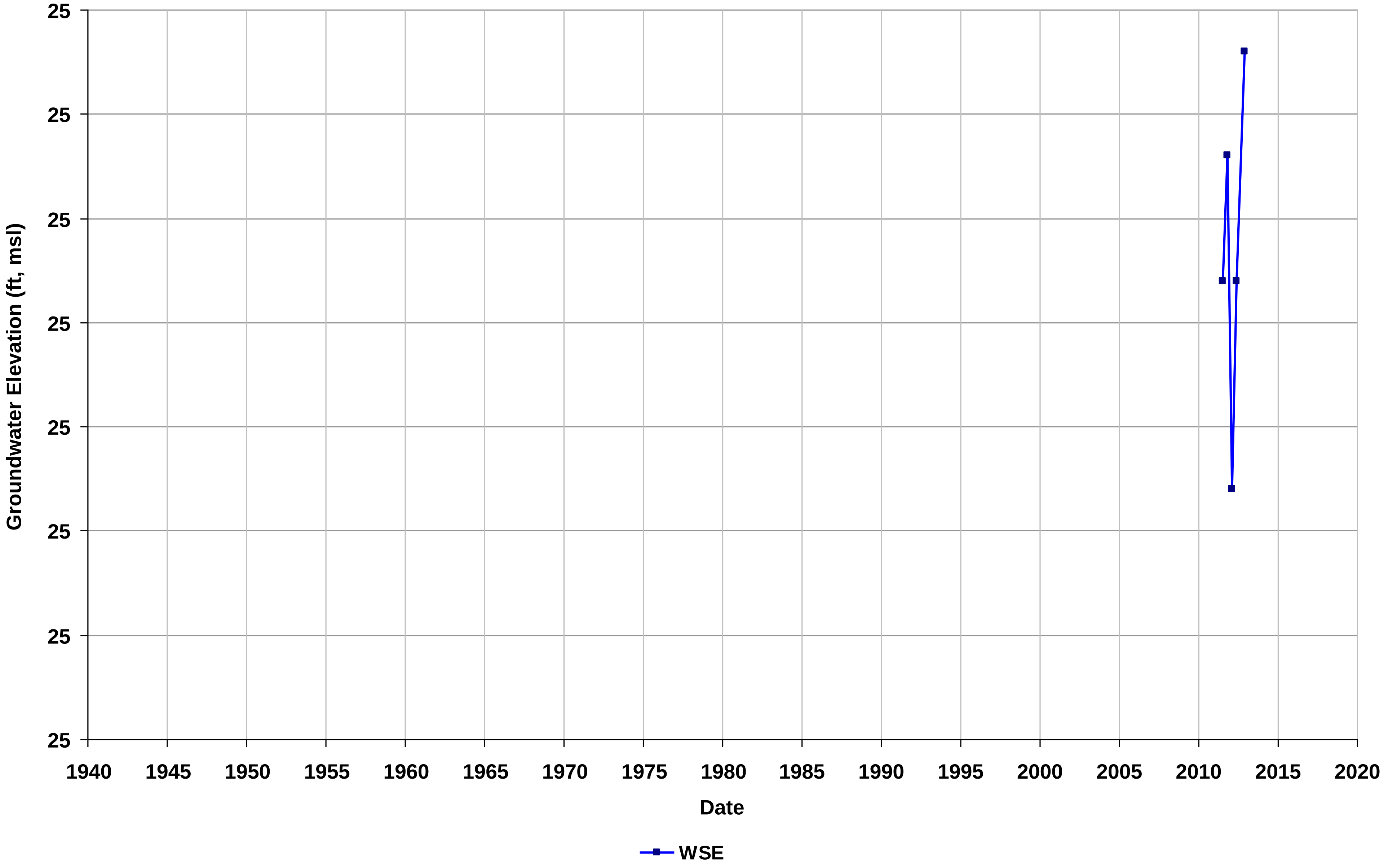
Well Name: T0619718179-MW-10
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/06
Well Use: Observation



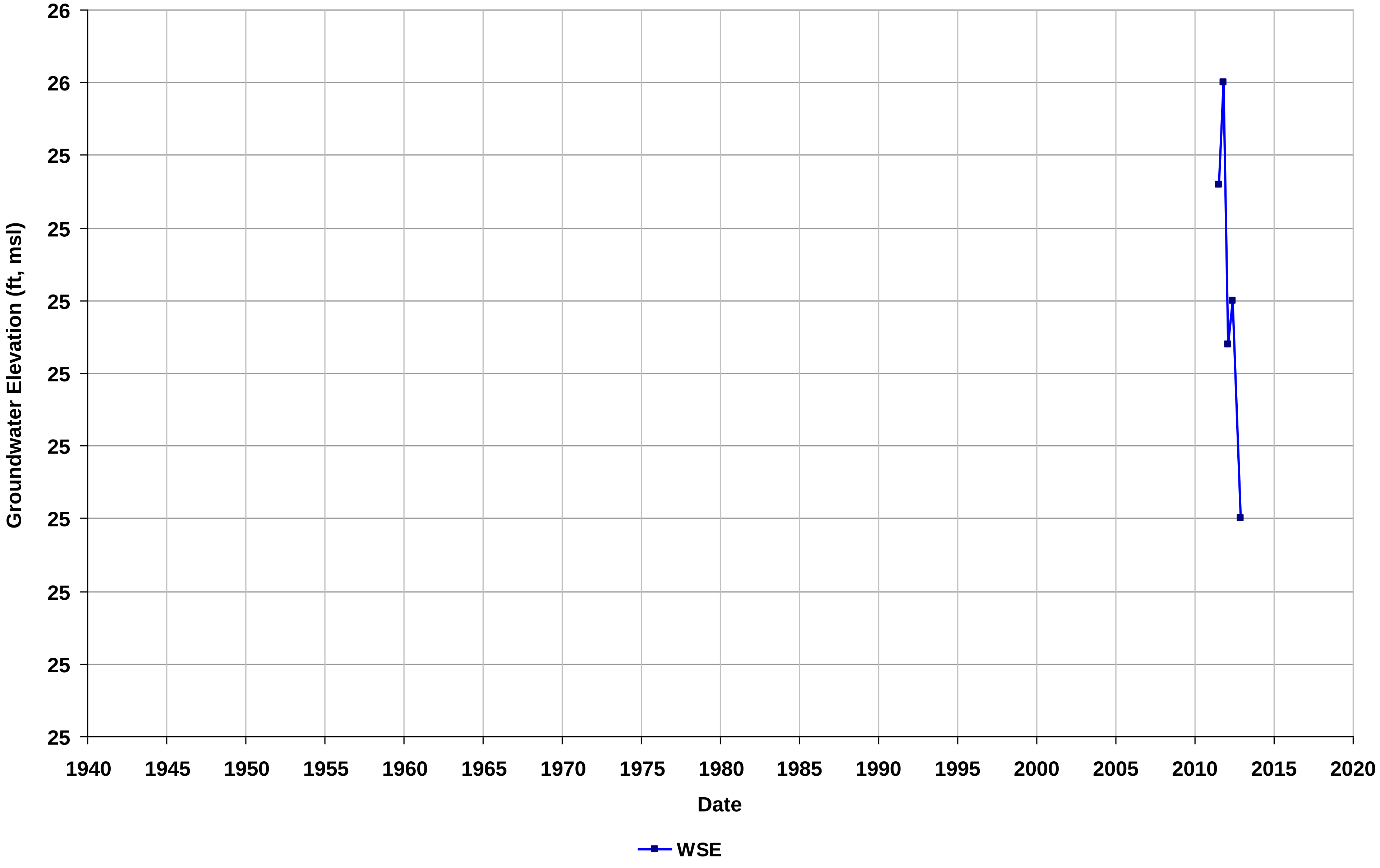
Well Name: T0619718179-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/06
Well Use: Observation



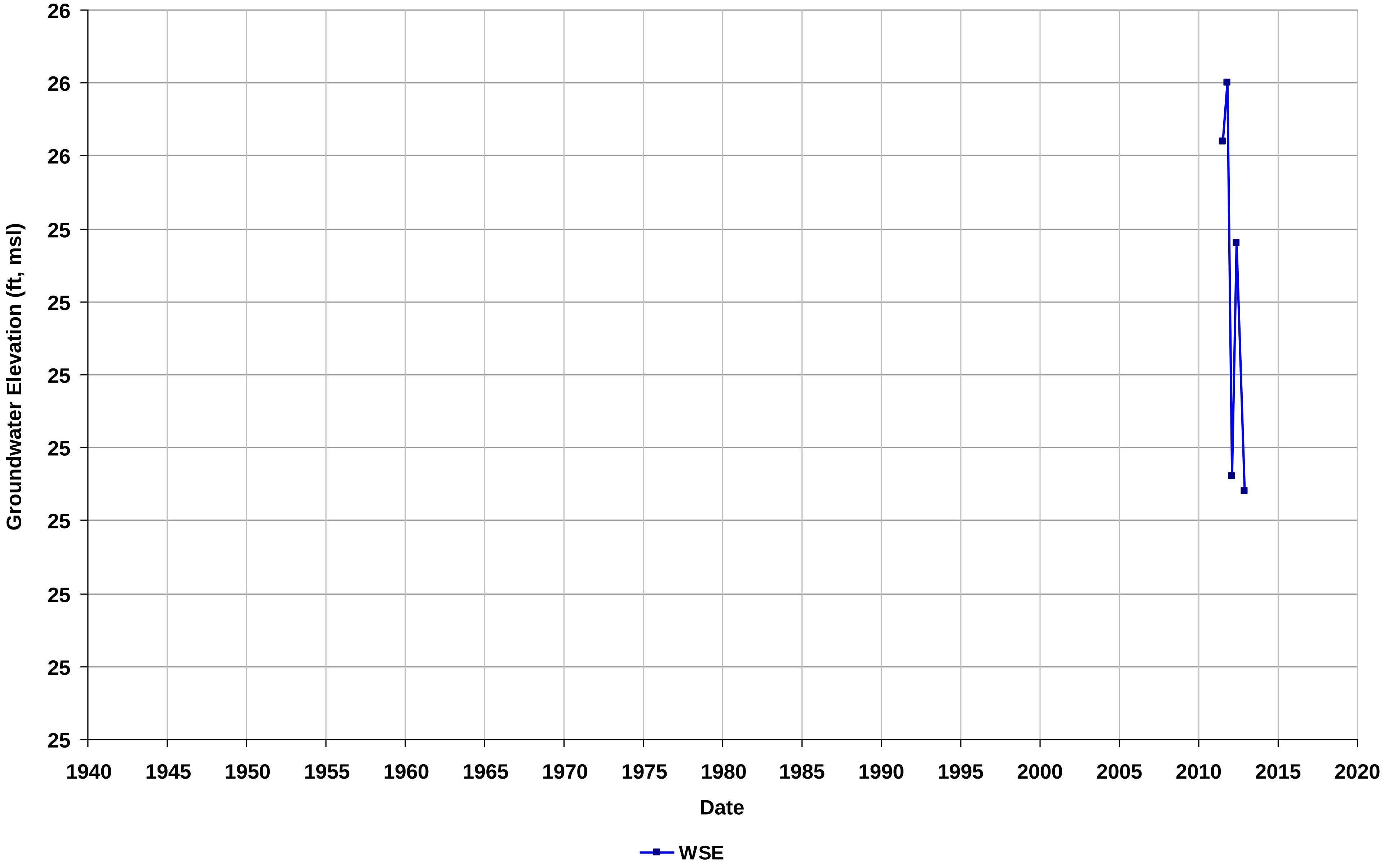
Well Name: T0619718179-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/06
Well Use: Observation



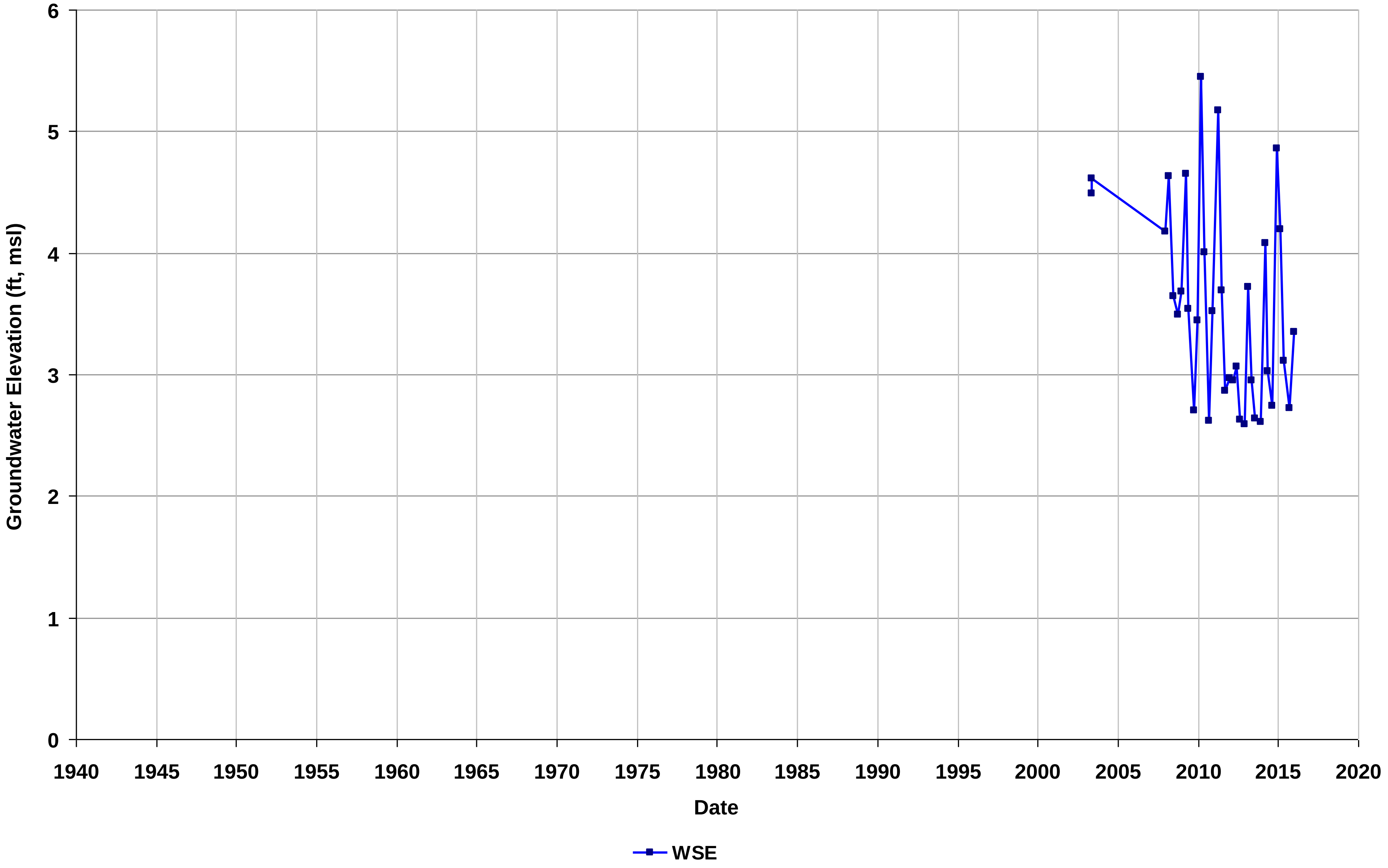
Well Name: T0619718179-MW-9
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 03S/02W/06
Well Use: Observation



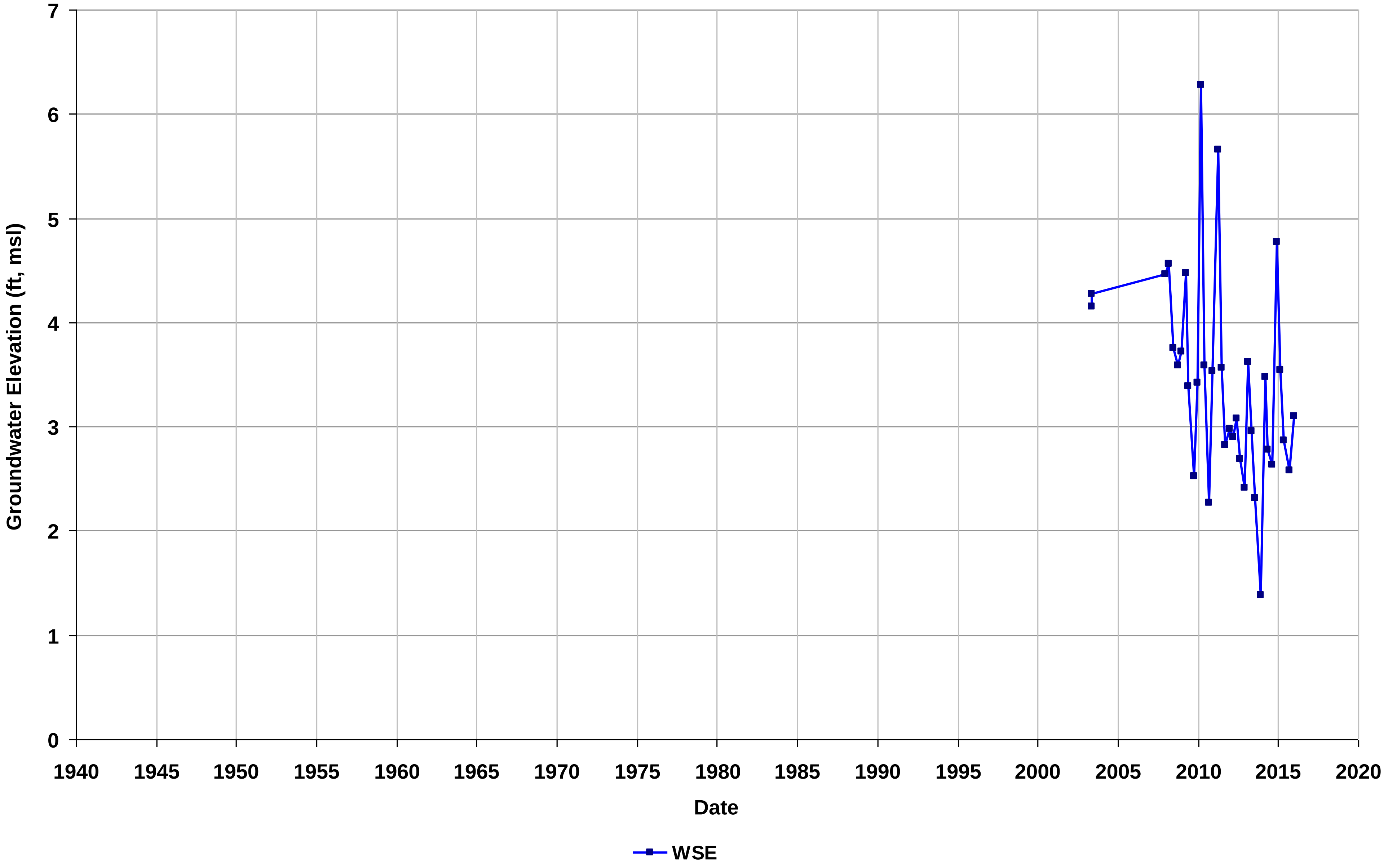
Well Name: T10000000088-VMW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/04
Well Use: Observation



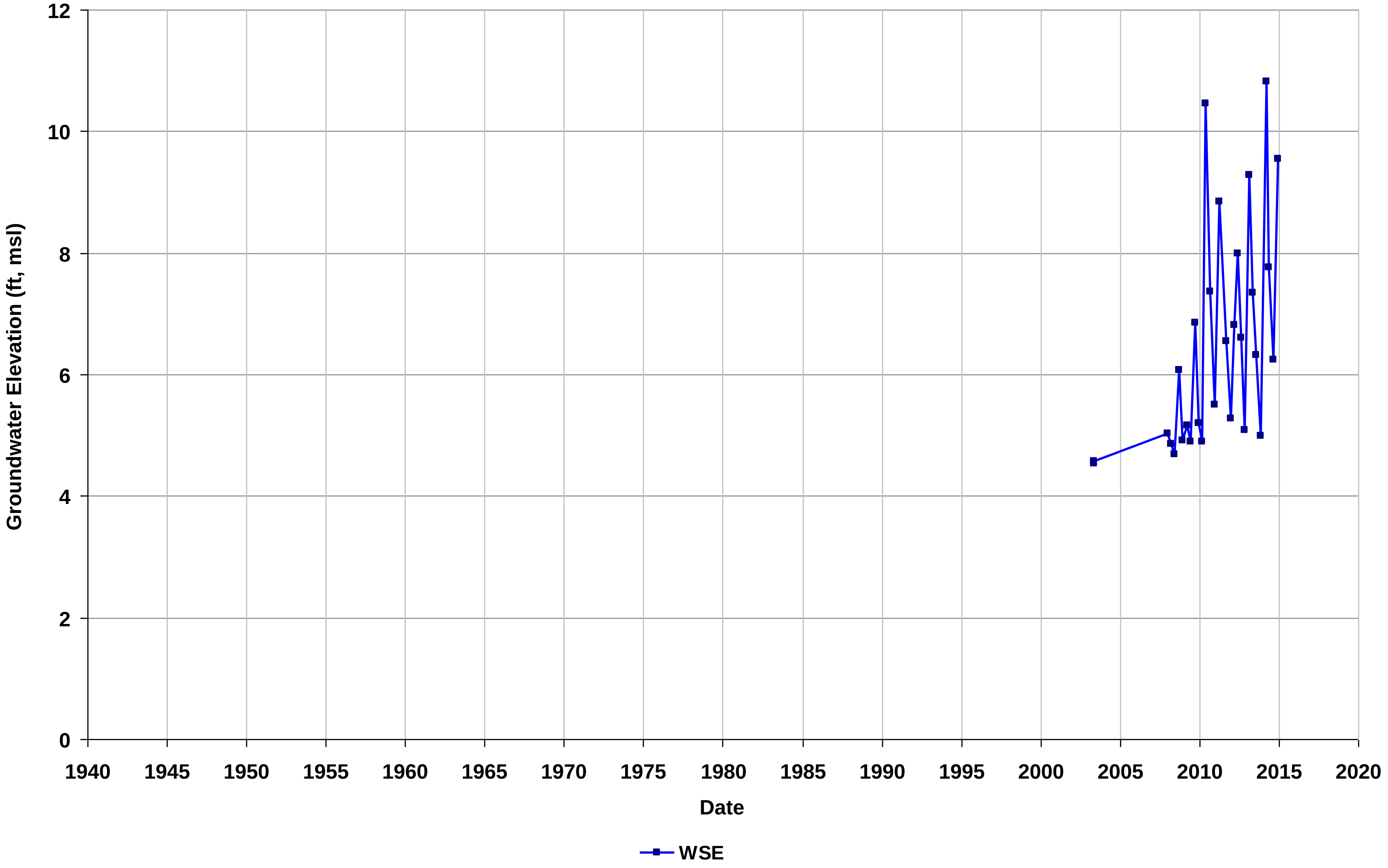
Well Name: T10000000088-VMW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/04
Well Use: Observation



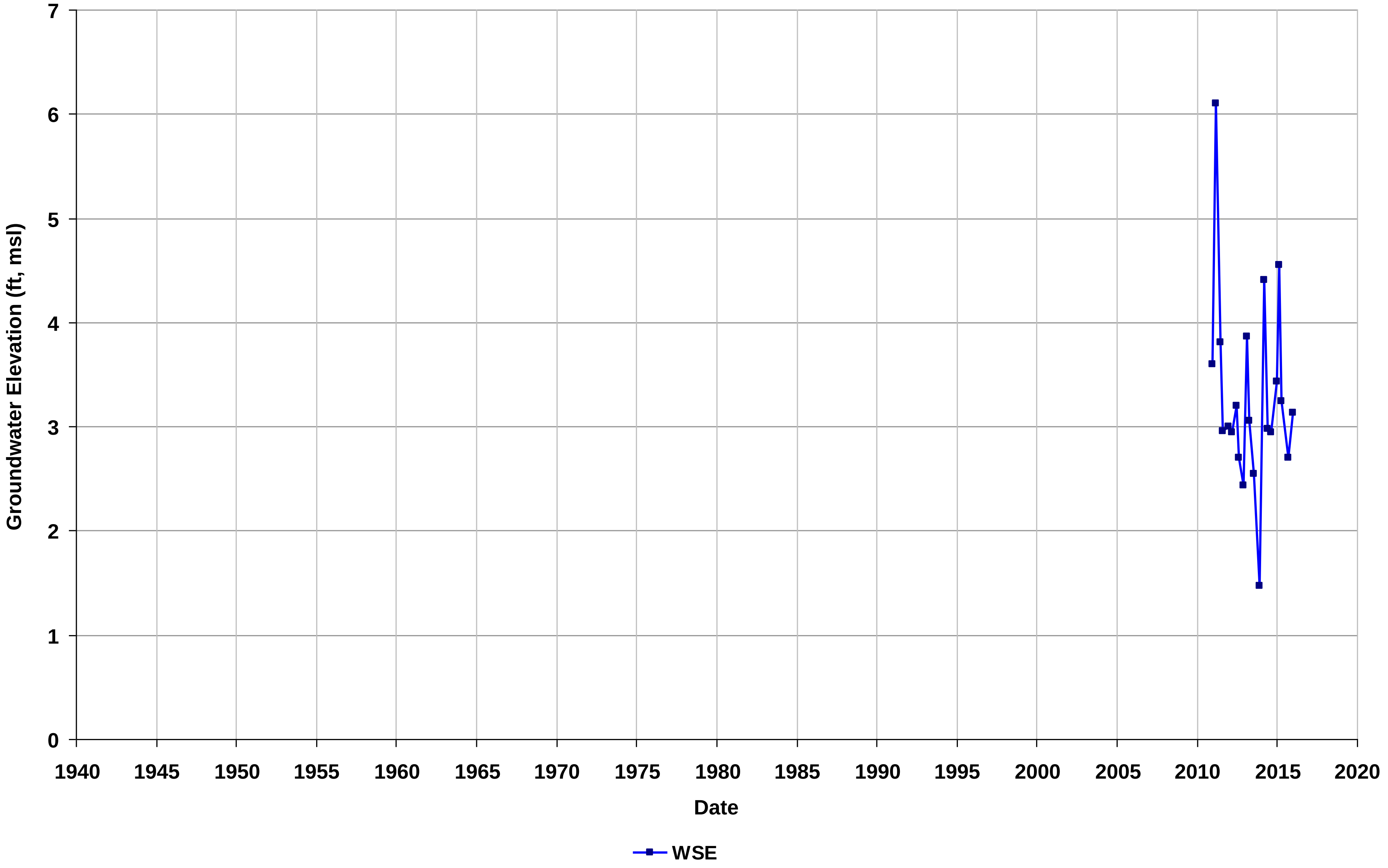
Well Name: T10000000088-VMW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/04
Well Use: Observation



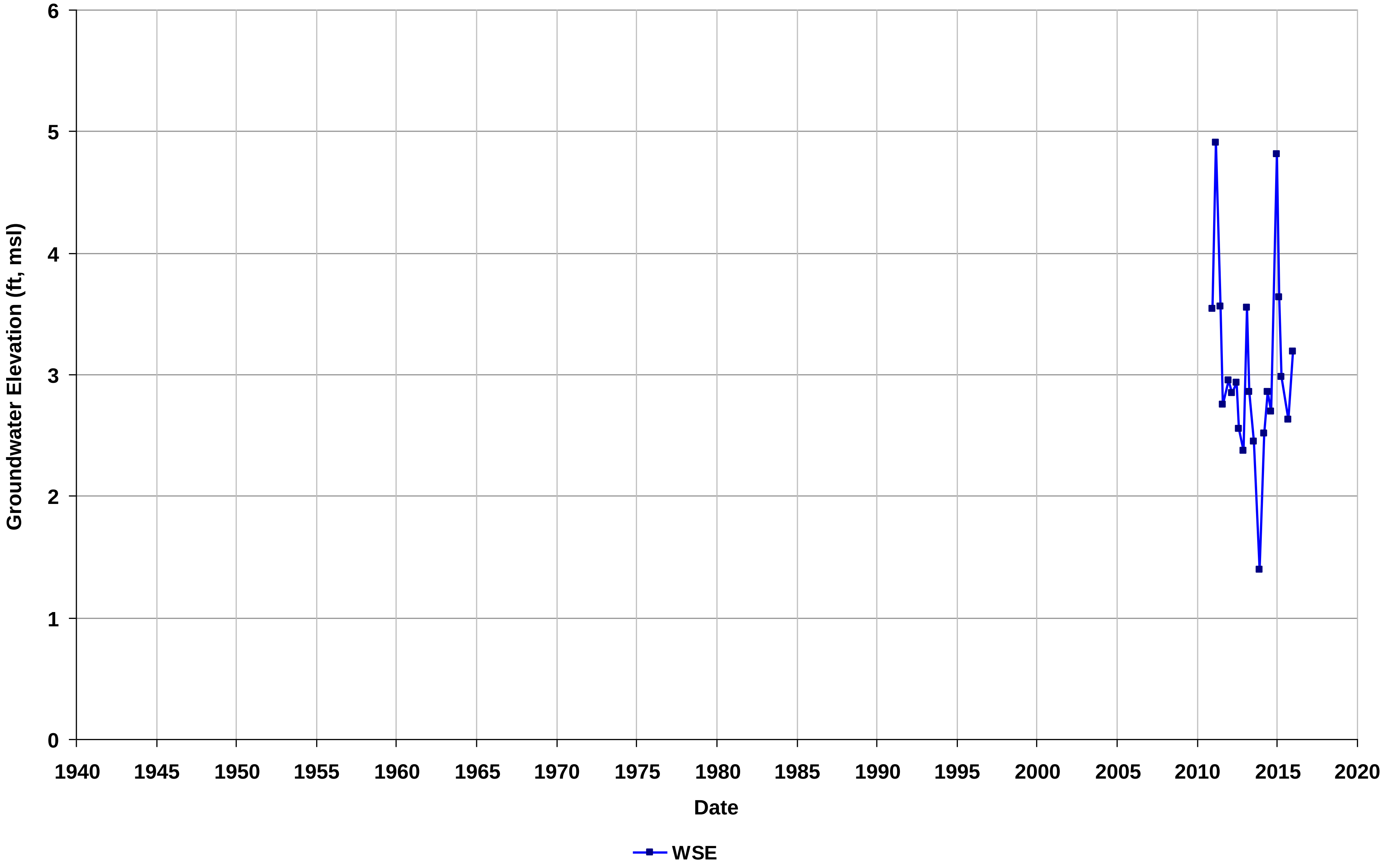
Well Name: T10000000088-VMW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/04
Well Use: Observation



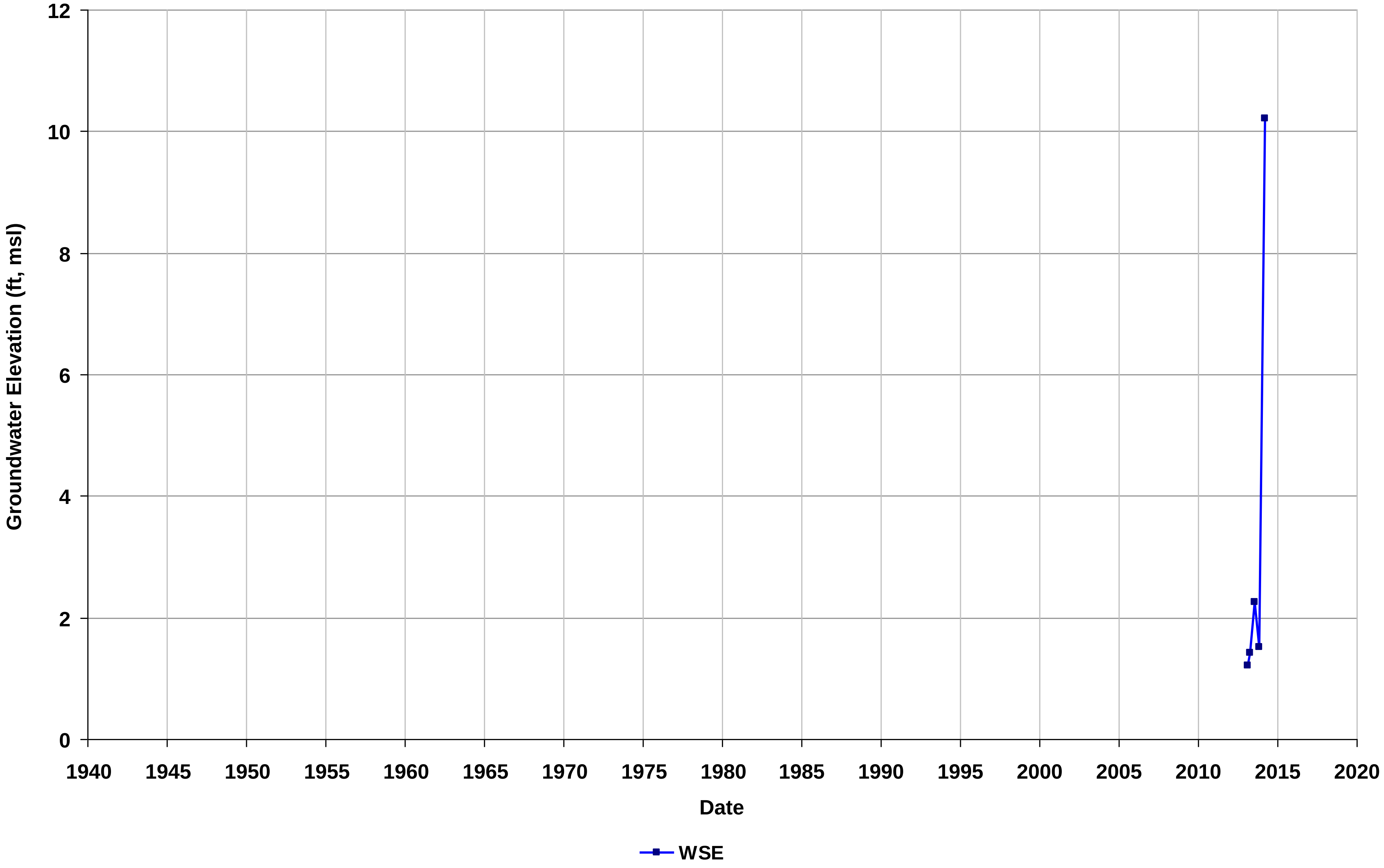
Well Name: T10000000088-VMW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/04
Well Use: Observation



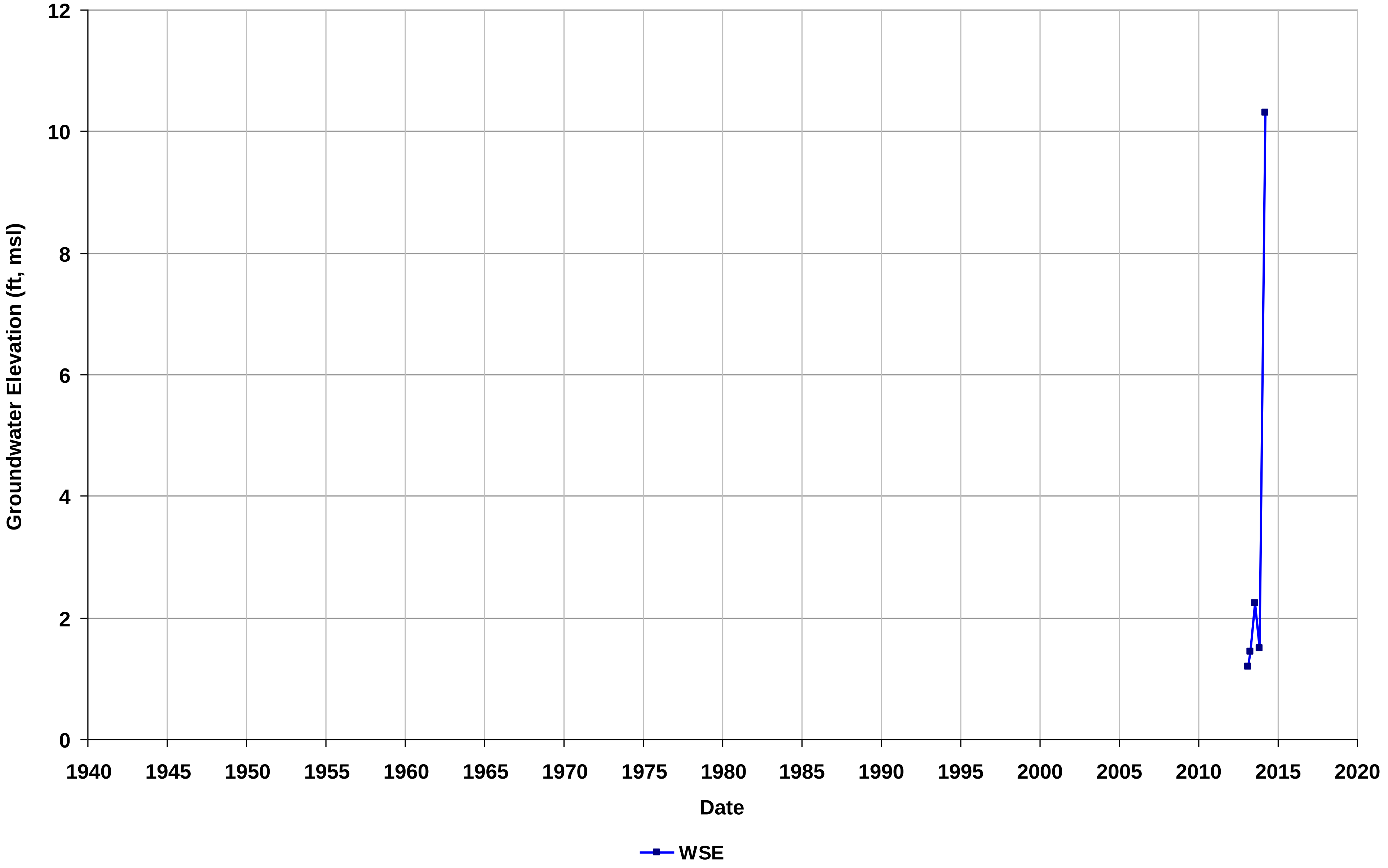
Well Name: T10000000088-VMW-6
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/04
Well Use: Observation



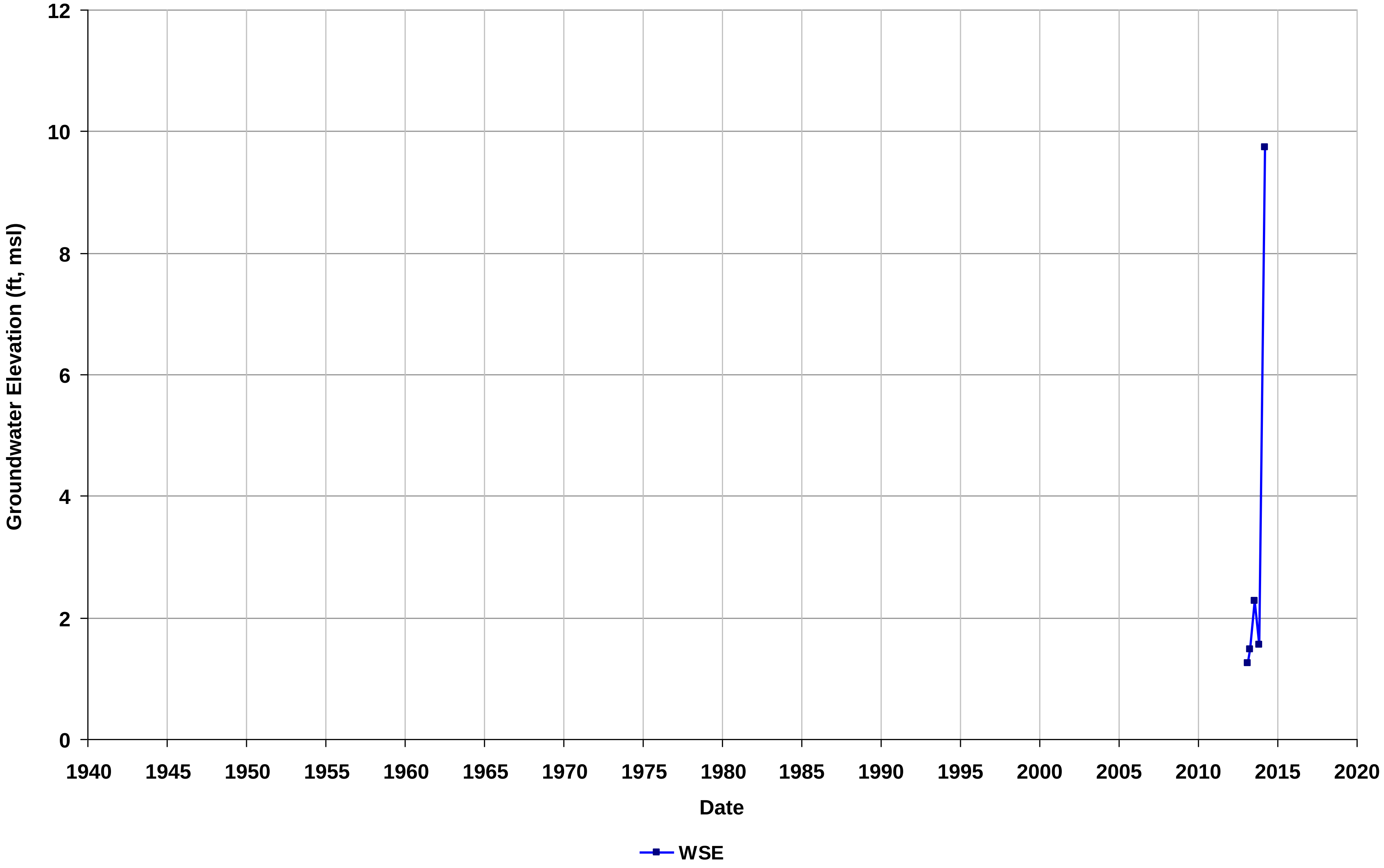
Well Name: T10000000088-VMW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/04
Well Use: Observation



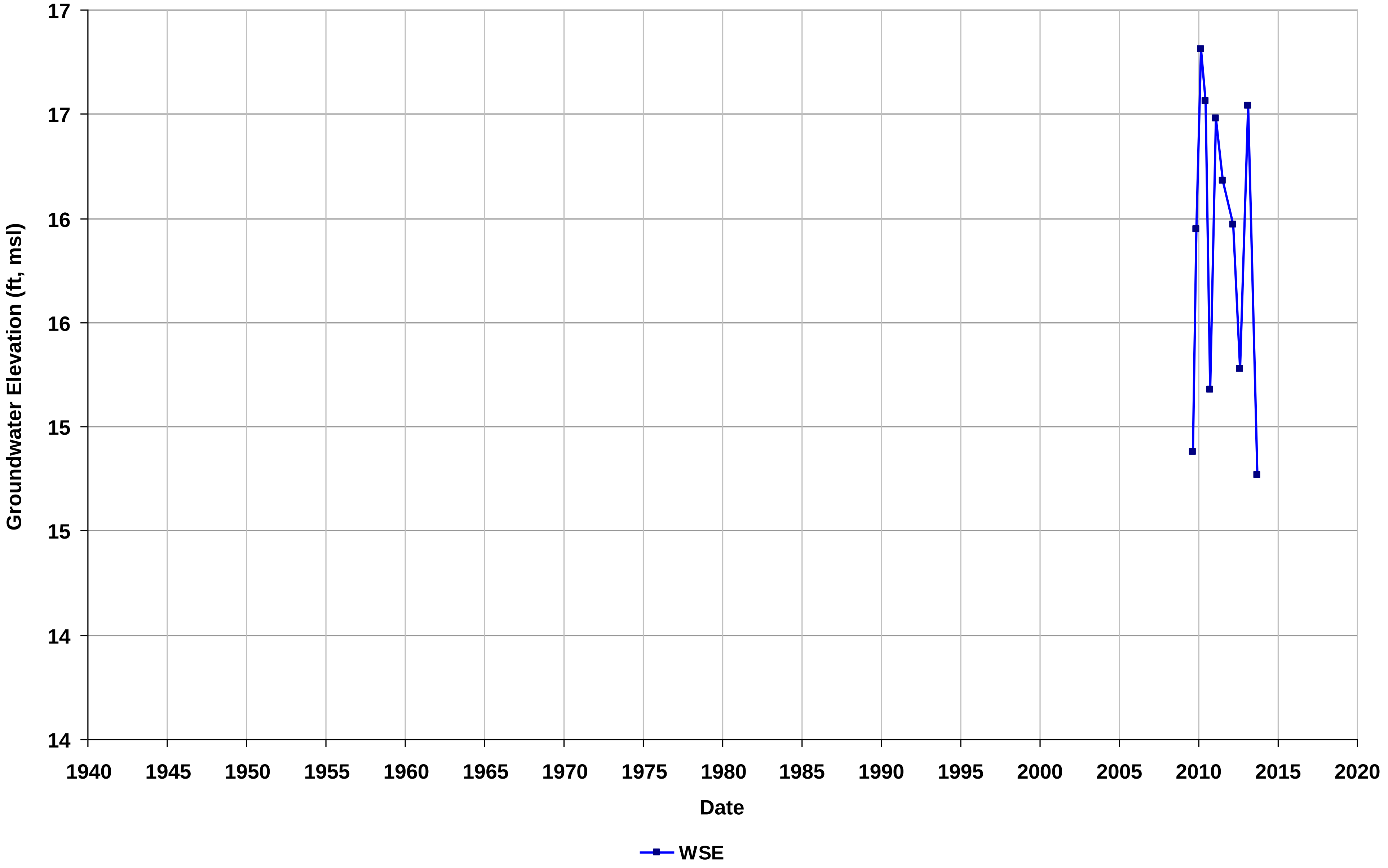
Well Name: T10000000088-VMW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/04
Well Use: Observation



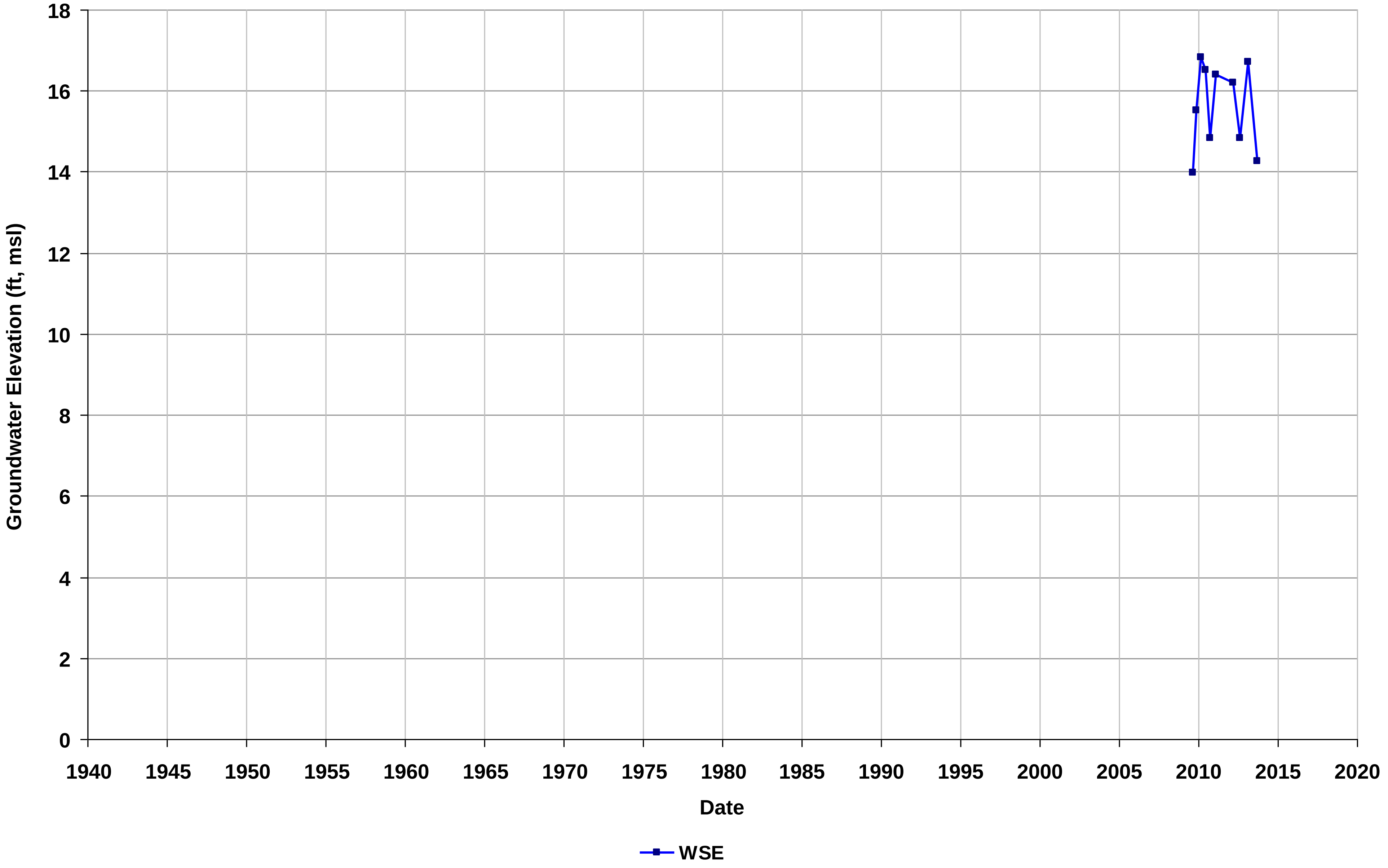
Well Name: T10000000417-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/16
Well Use: Observation



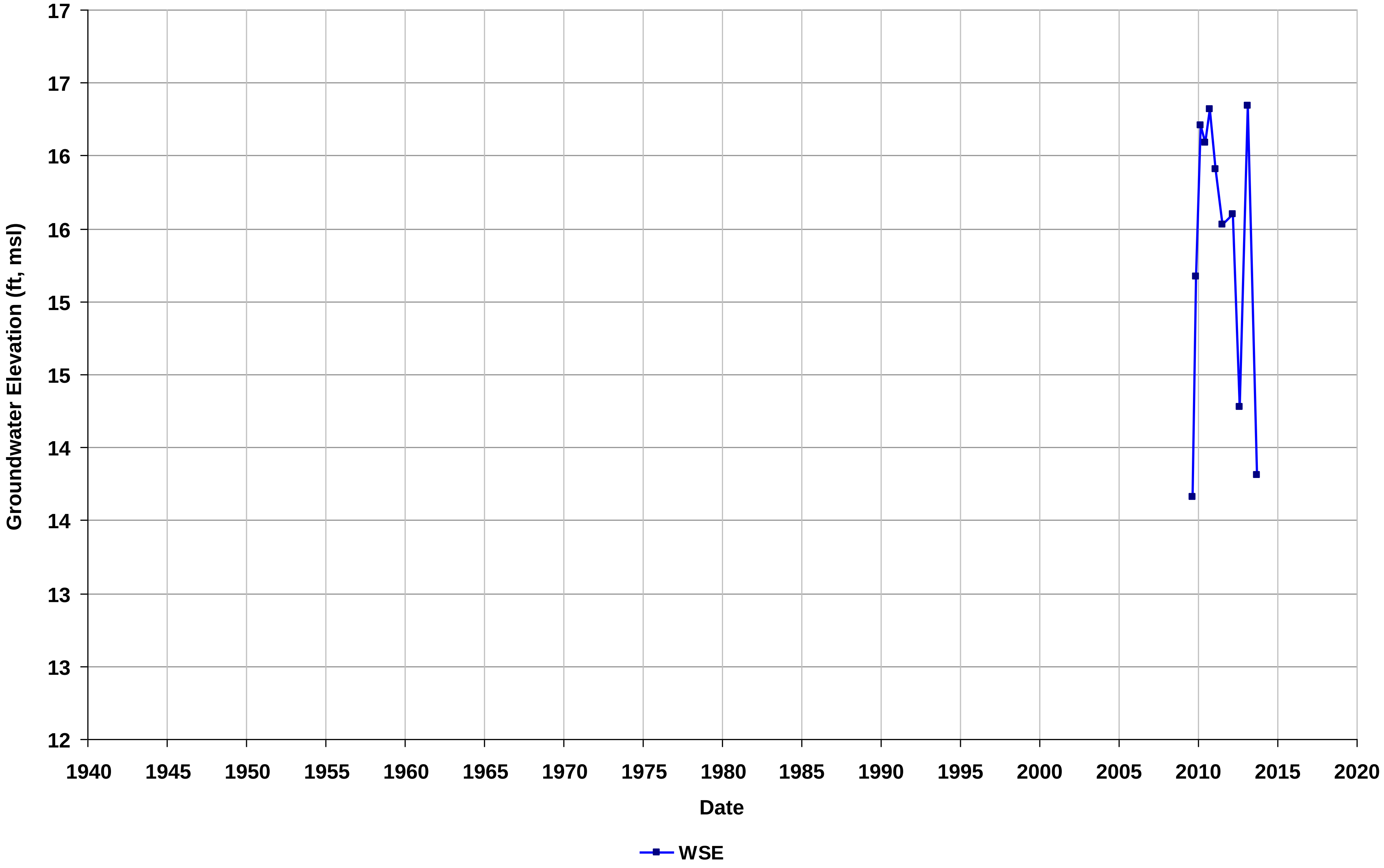
Well Name: T10000000417-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/16
Well Use: Observation



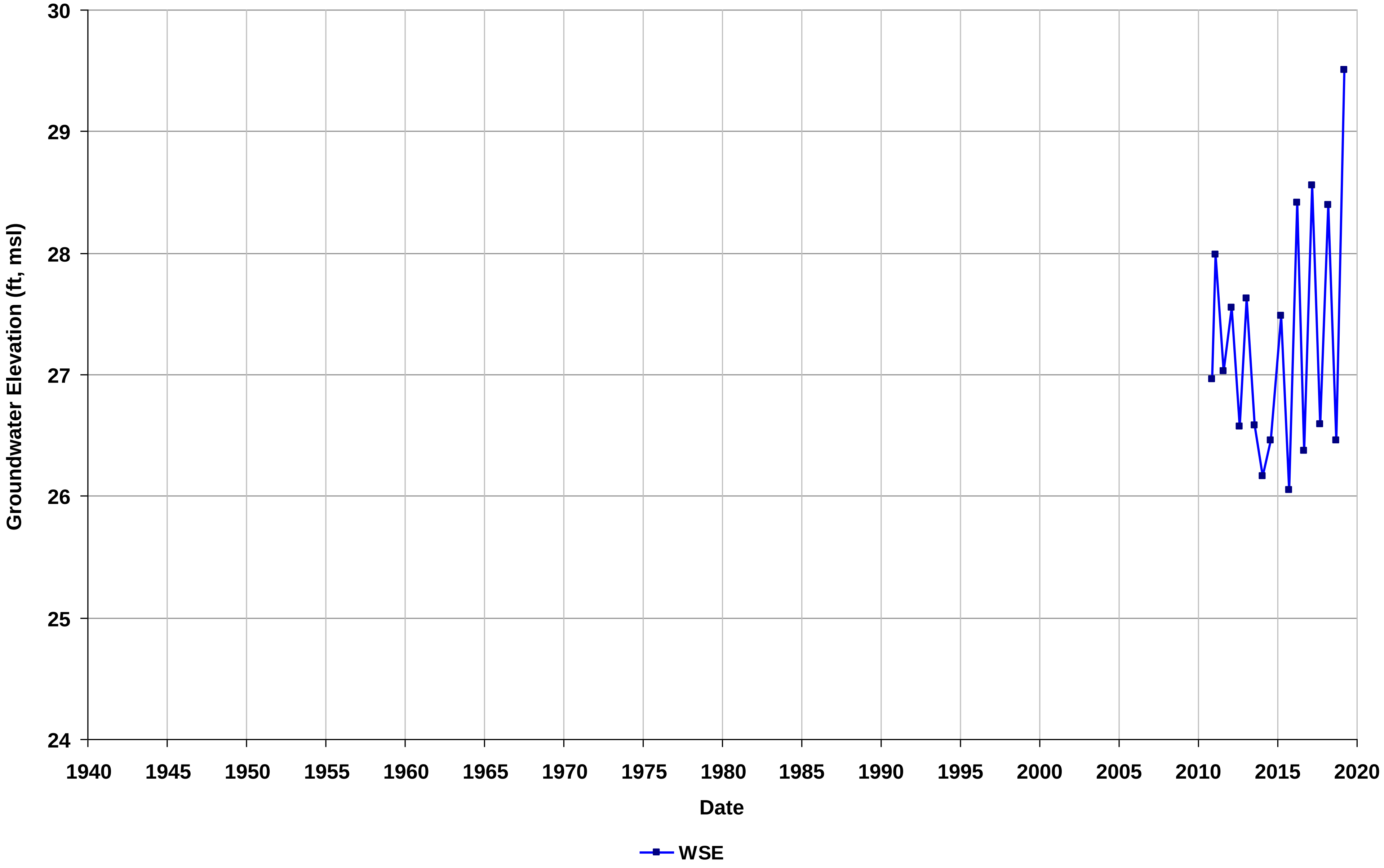
Well Name: T10000000417-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 02S/03W/16
Well Use: Observation



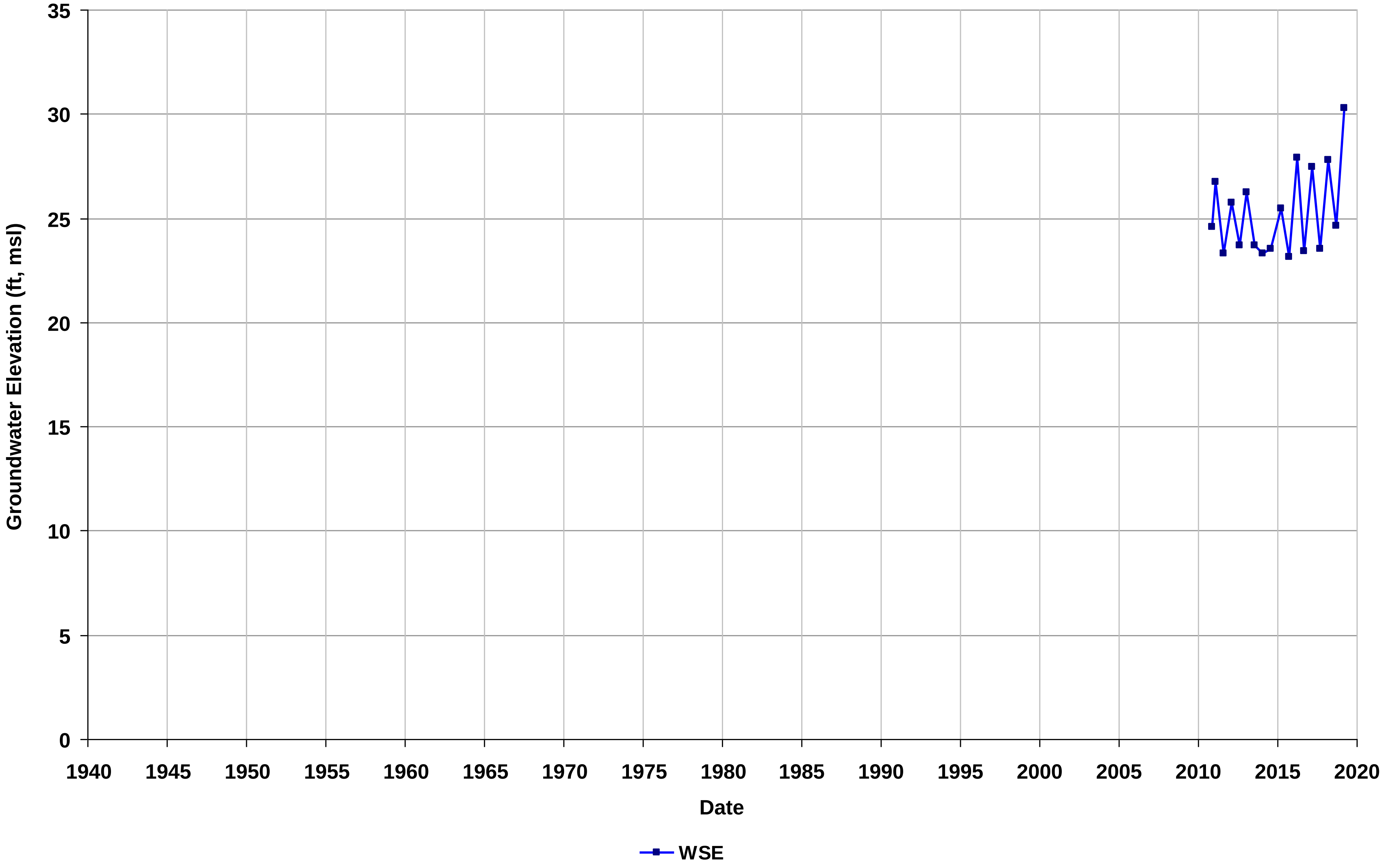
Well Name: T10000001026-SGI-MW-1
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/01
Well Use: Observation



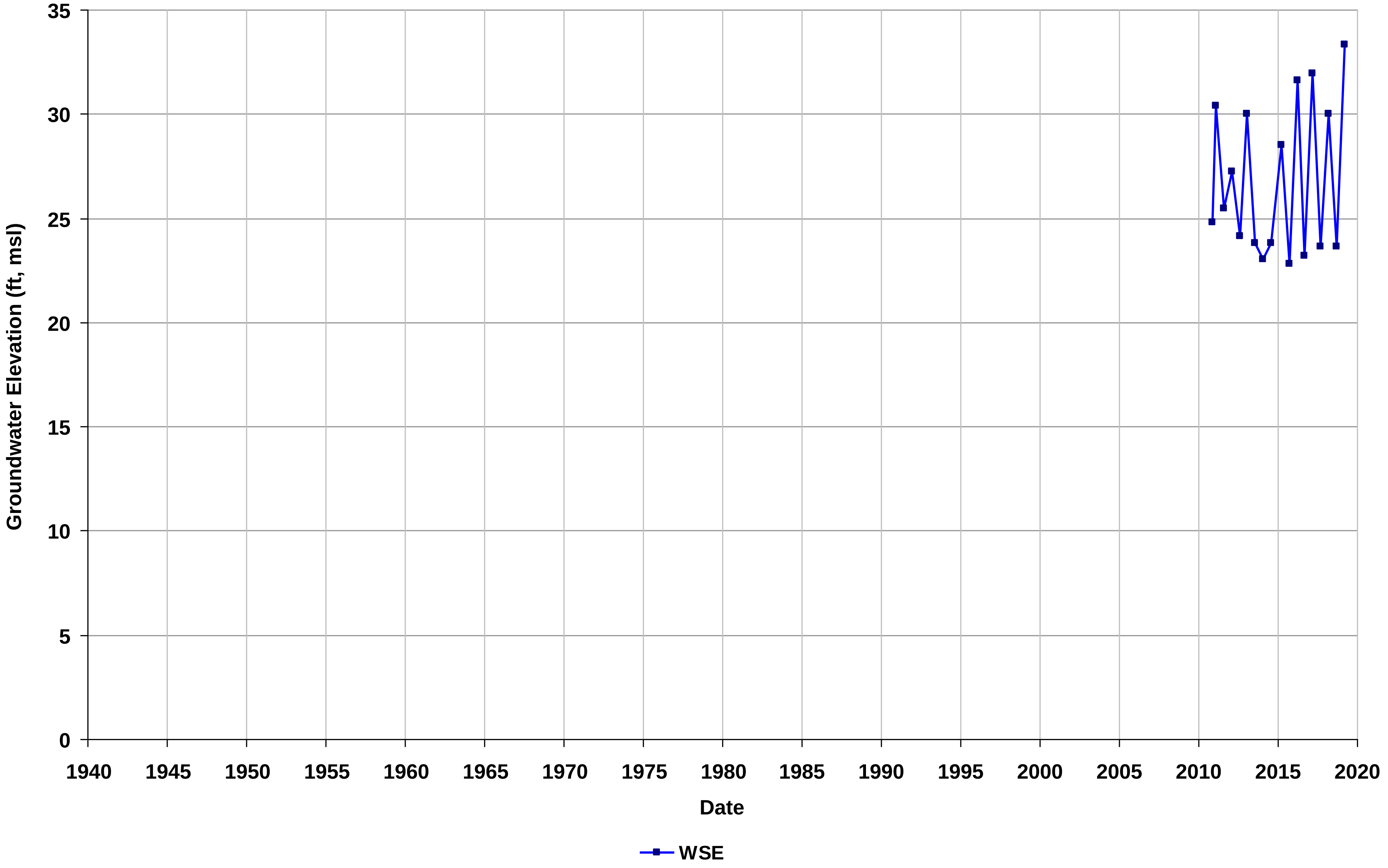
Well Name: T10000001026-SGI-MW-2
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/01
Well Use: Observation



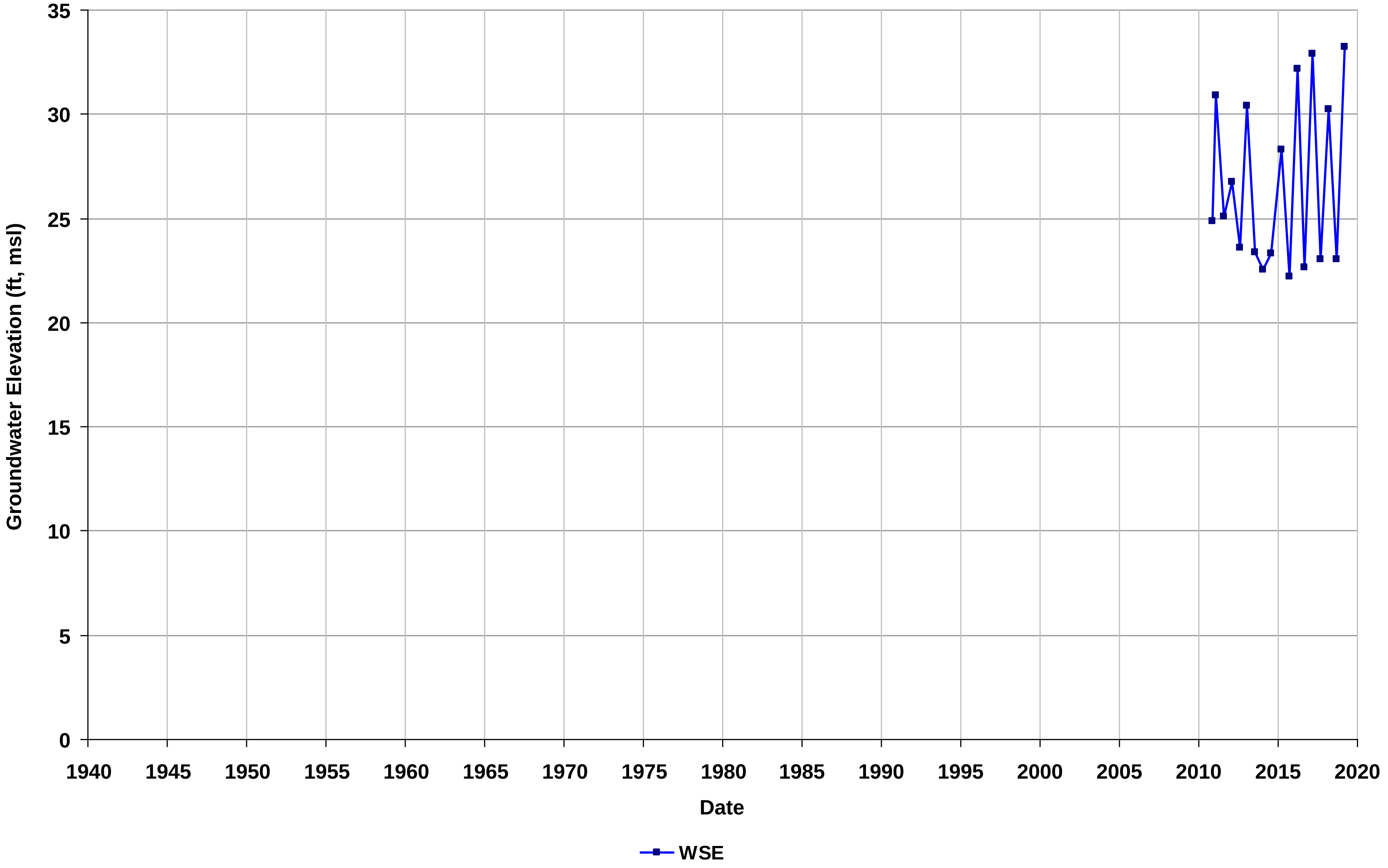
Well Name: T10000001026-SGI-MW-3
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/12
Well Use: Observation



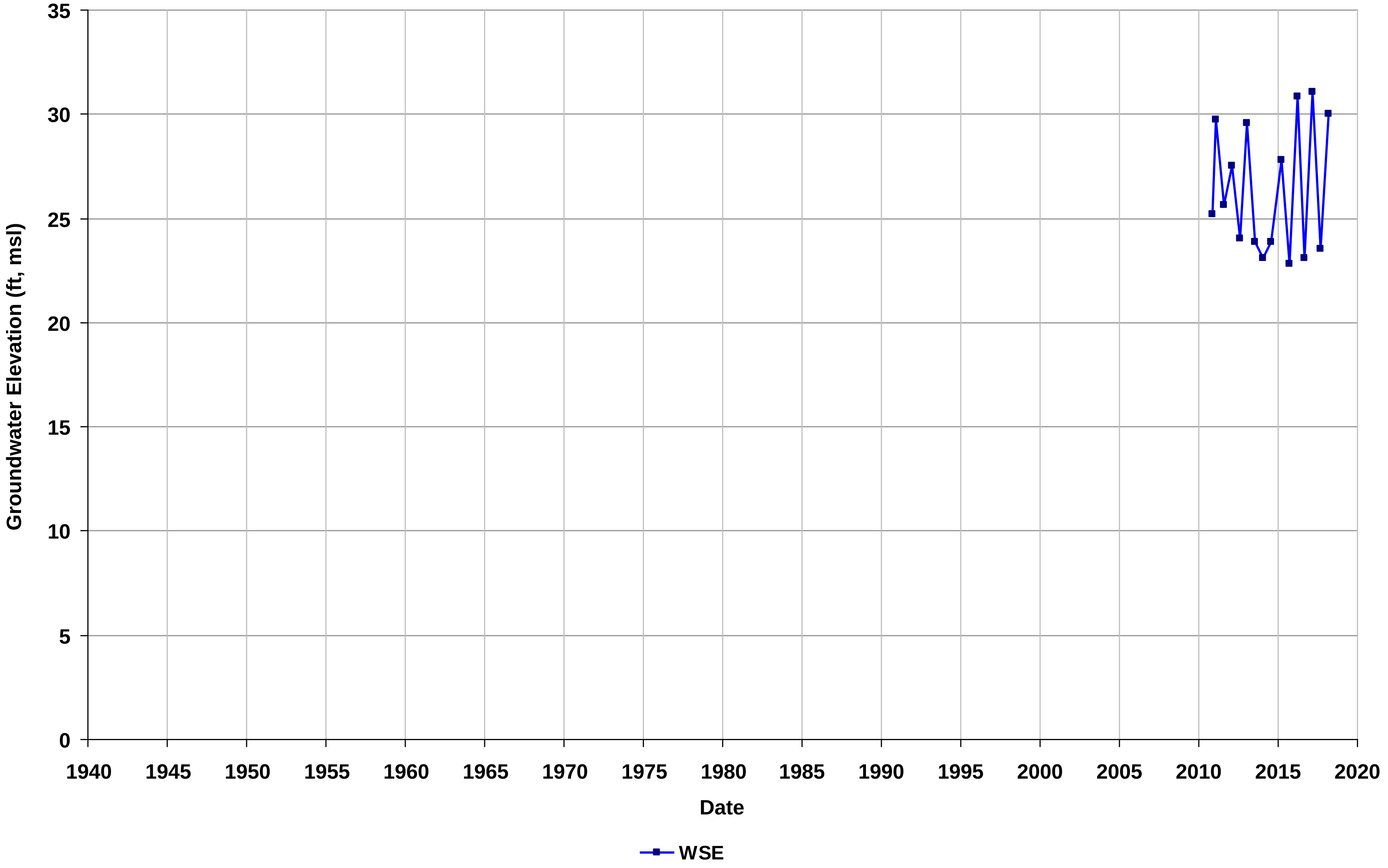
Well Name: T10000001026-SGI-MW-4
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/12
Well Use: Observation



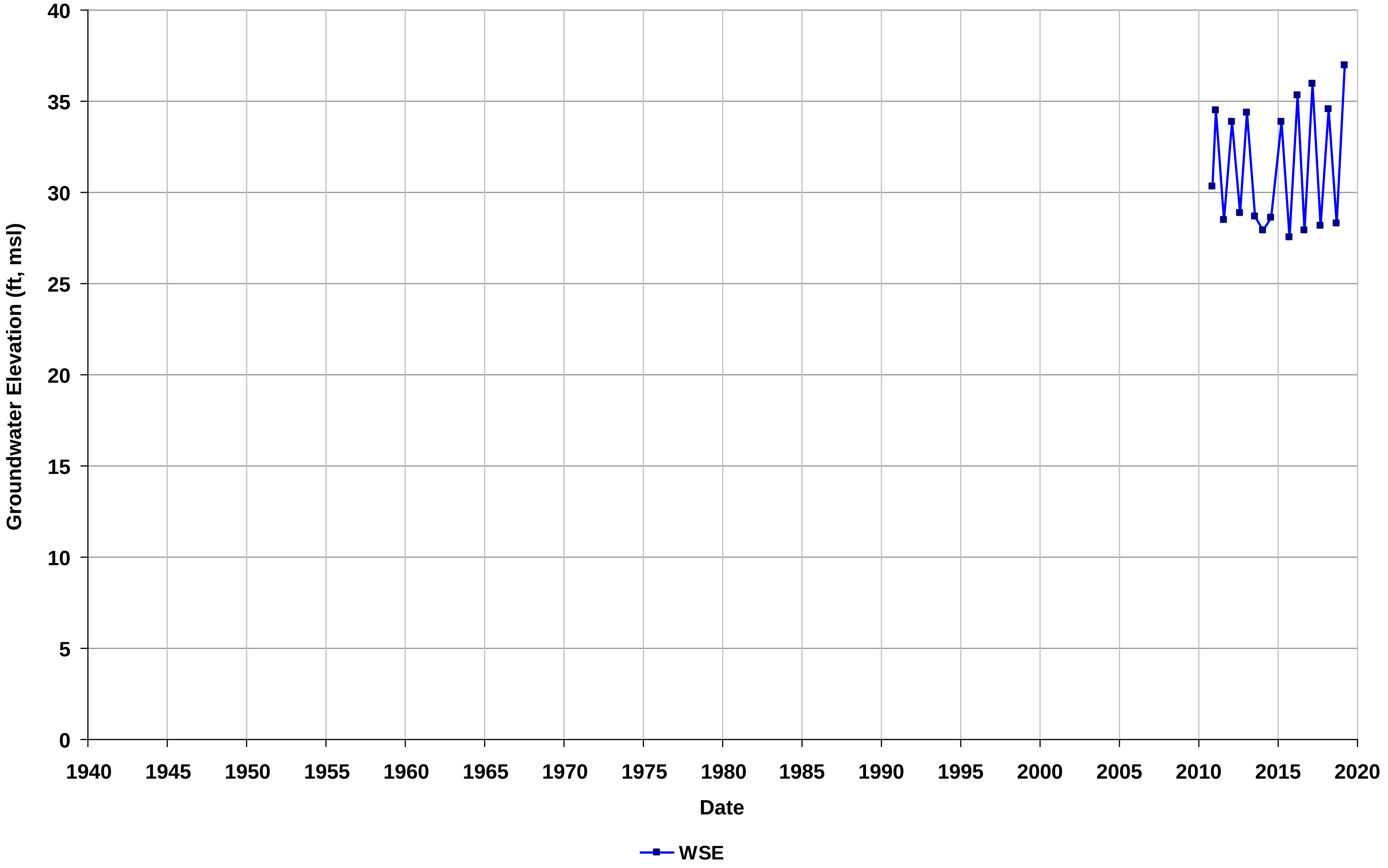
Well Name: T10000001026-SGI-MW-5
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/12
Well Use: Observation



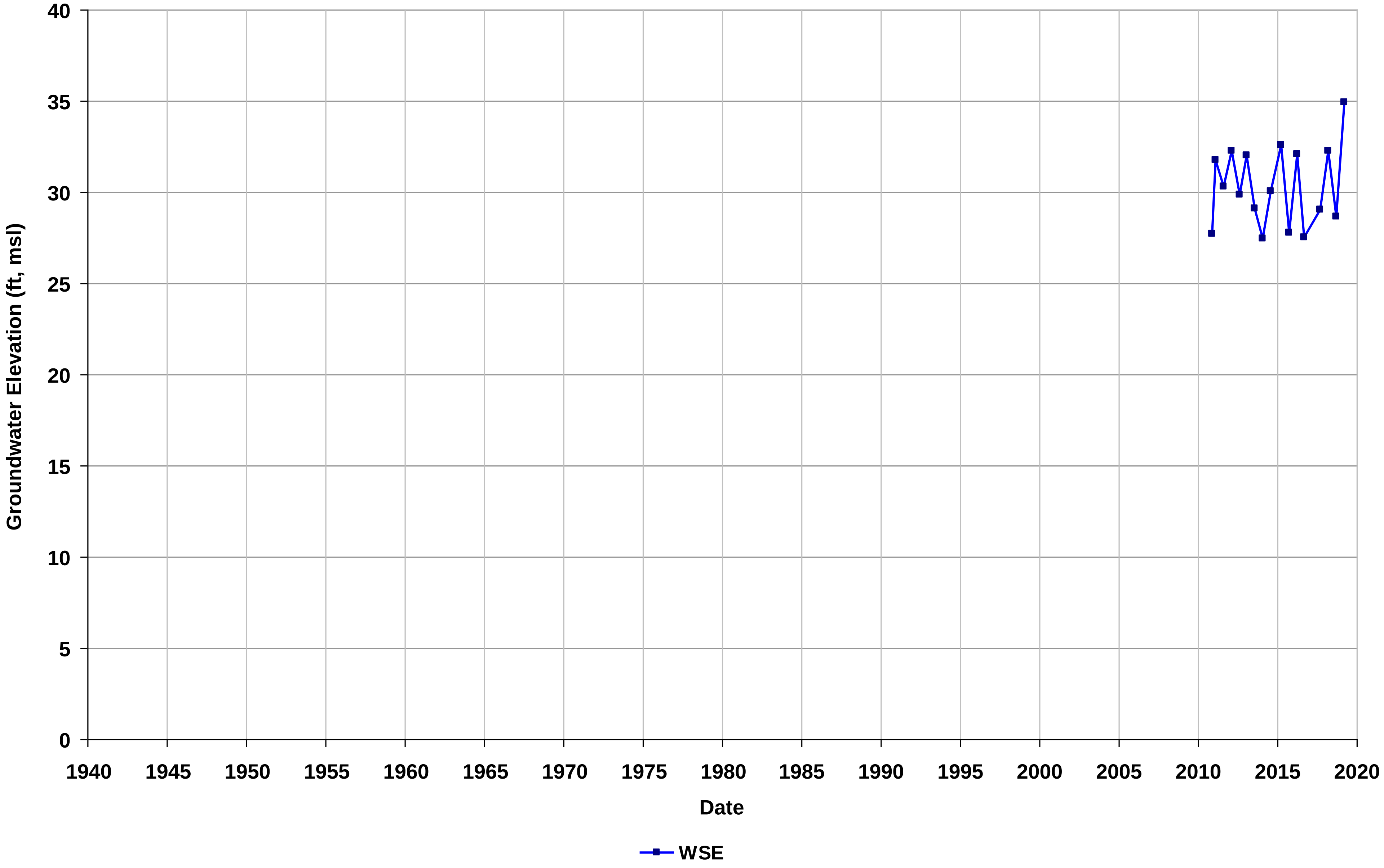
Well Name: T10000001026-SGI-MW-7
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/12
Well Use: Observation



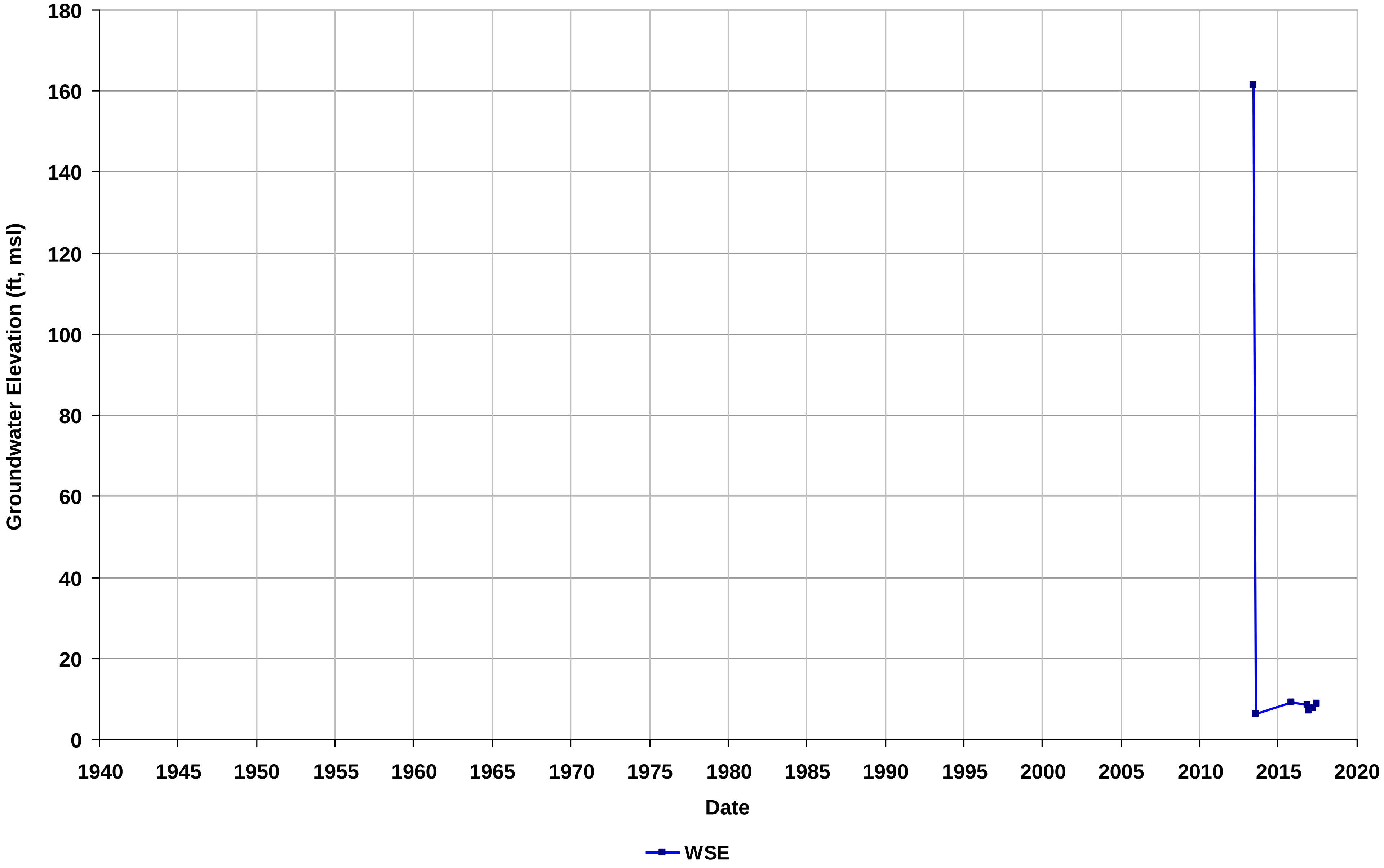
Well Name: T10000001026-SGI-MW-8
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01N/05W/12
Well Use: Observation



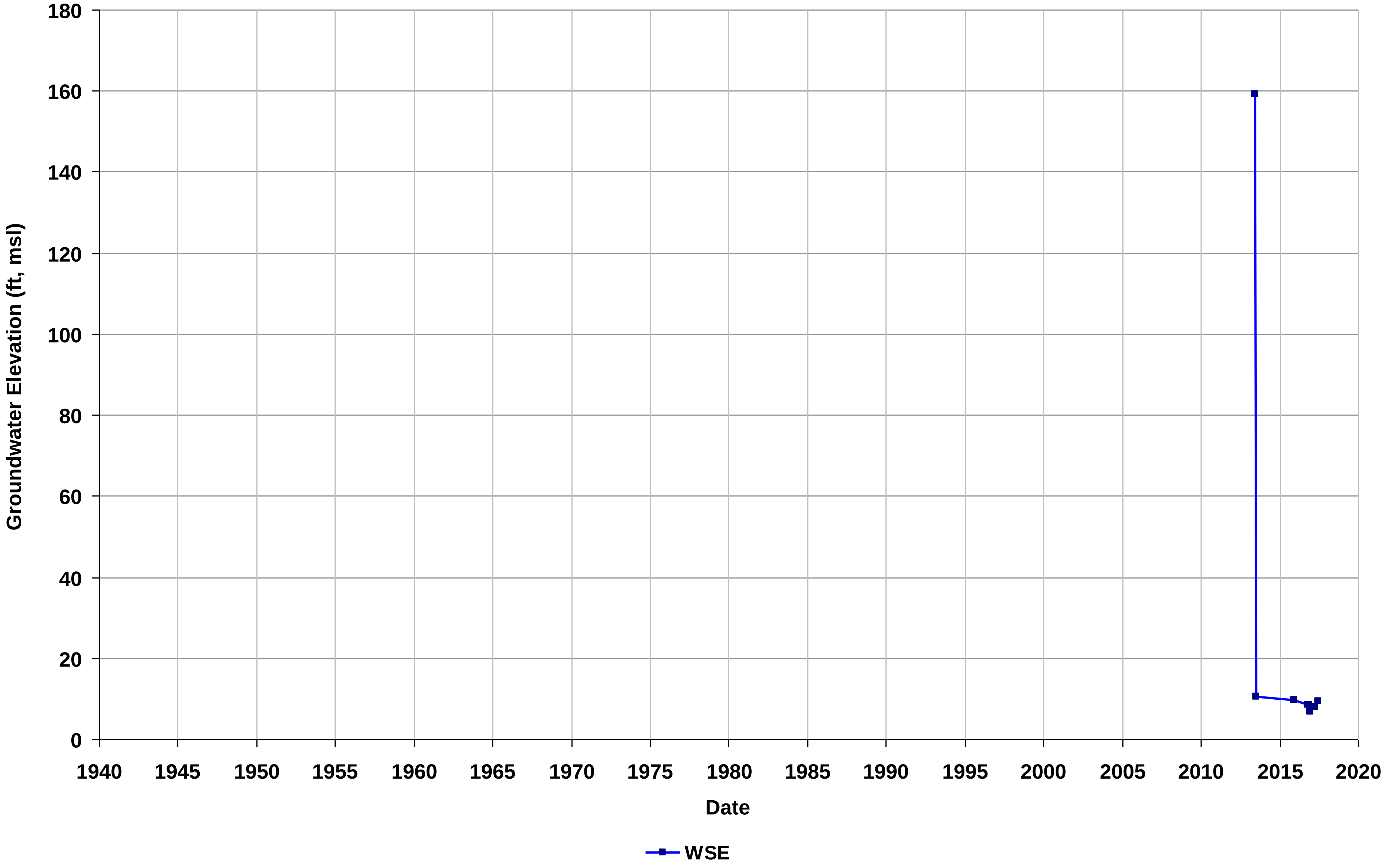
Well Name: T10000001544-NCW-05A
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/03W/32
Well Use: Observation



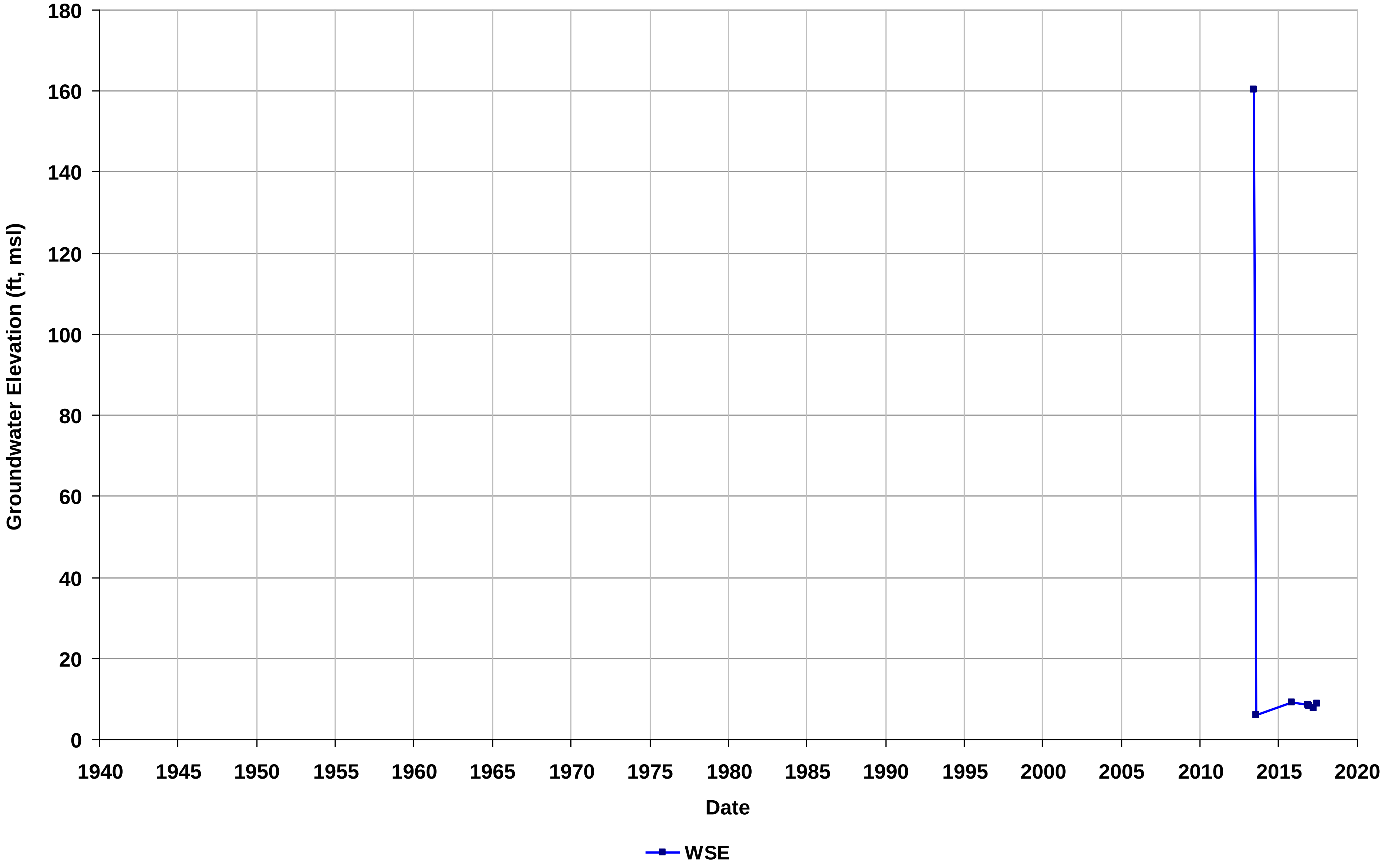
Well Name: T10000001544-NCW-06A
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/03W/32
Well Use: Observation



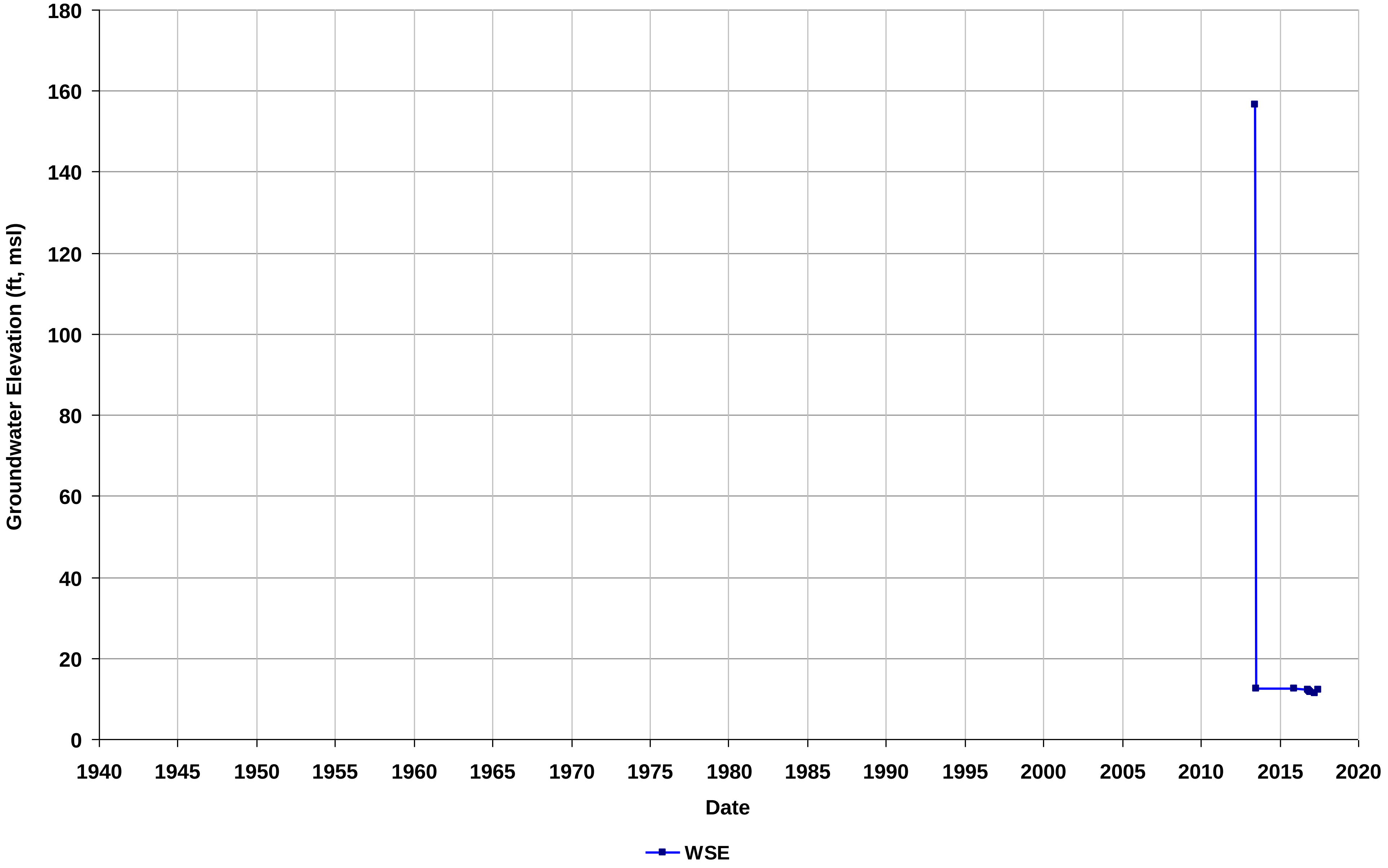
Well Name: T10000001544-NCW-06B
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/03W/32
Well Use: Observation



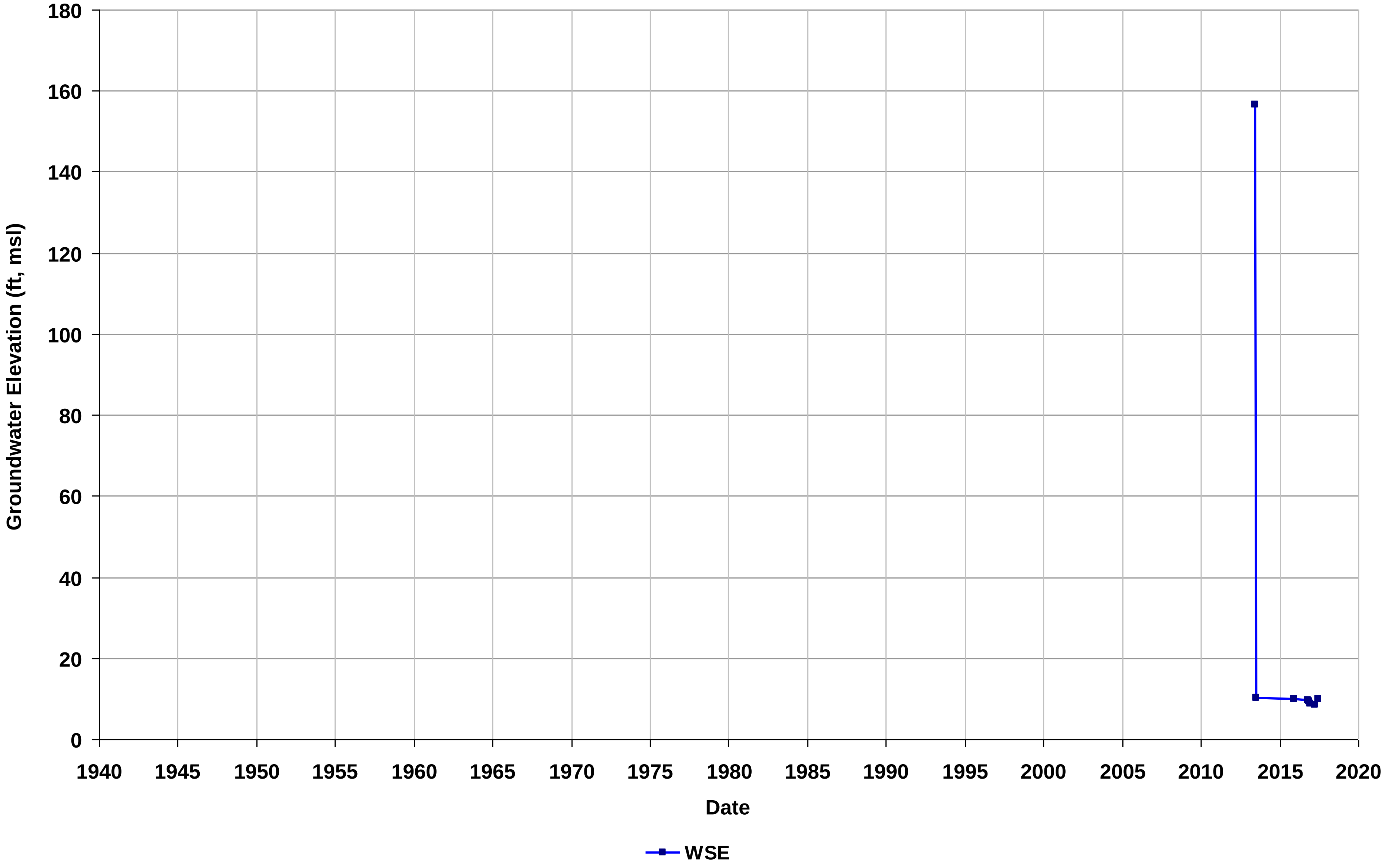
Well Name: T10000001544-NCW-08A
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/03W/32
Well Use: Observation



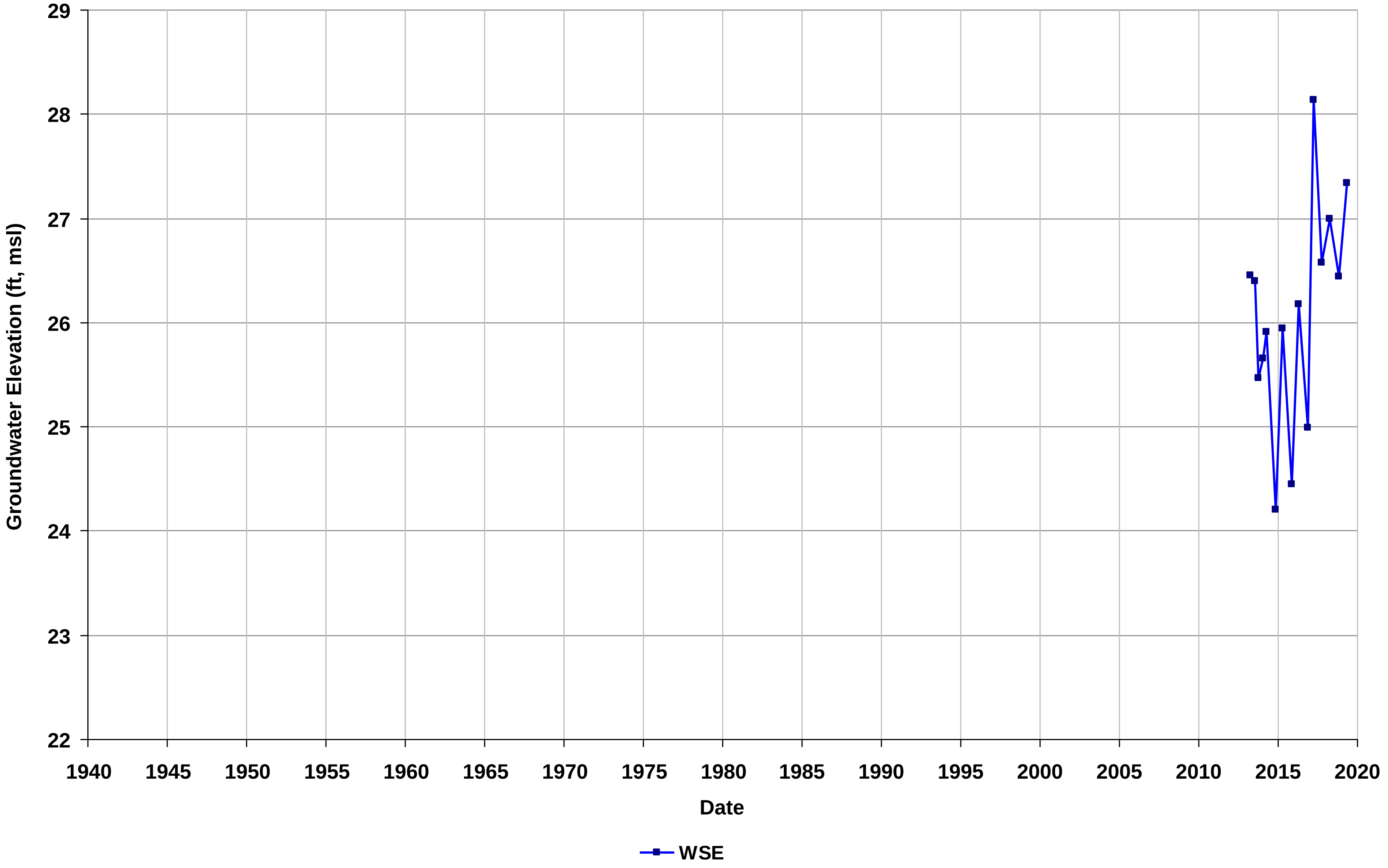
Well Name: T10000001544-NCW-09A
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 01S/03W/32
Well Use: Observation



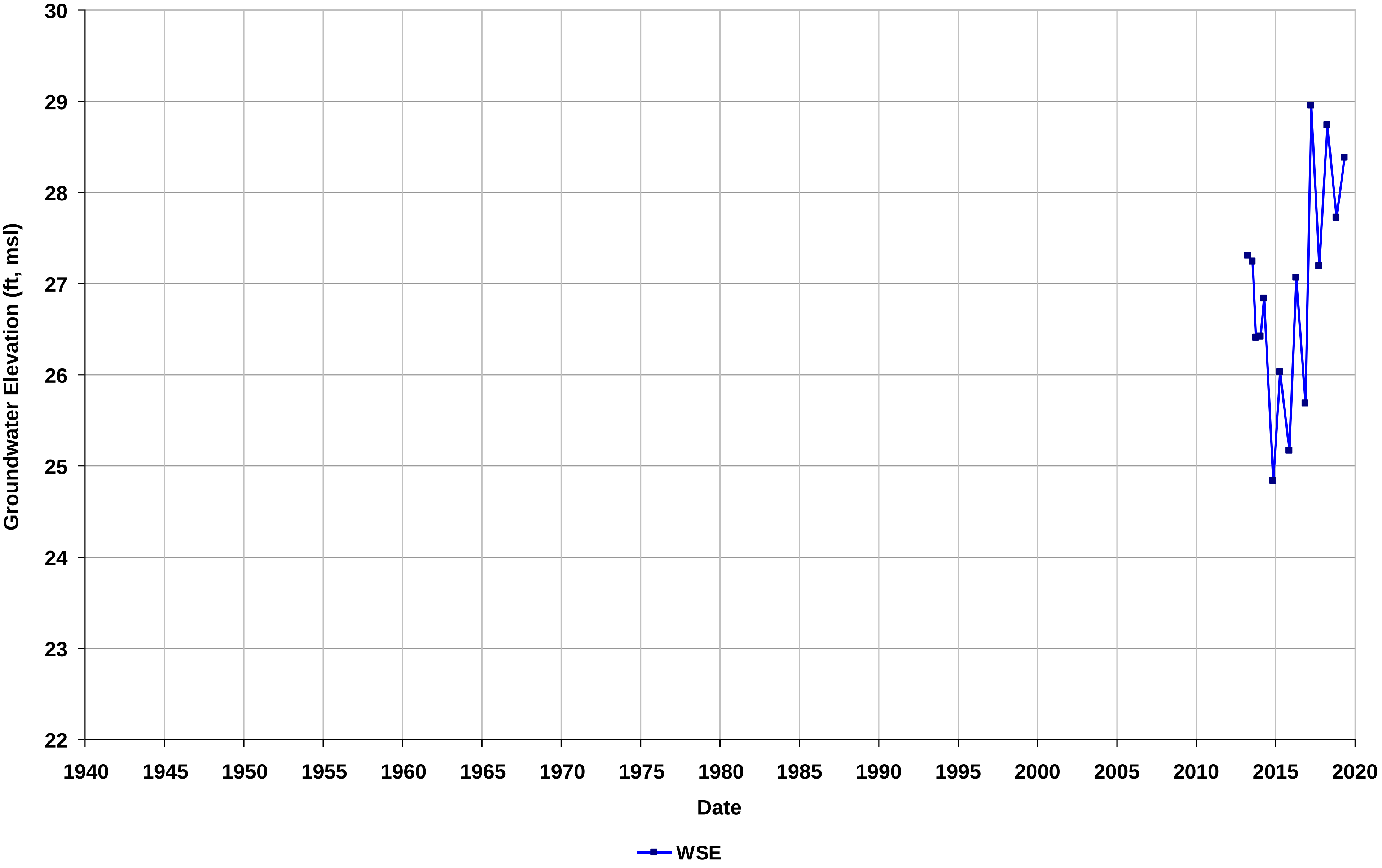
Well Name: T10000001750-S-10
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



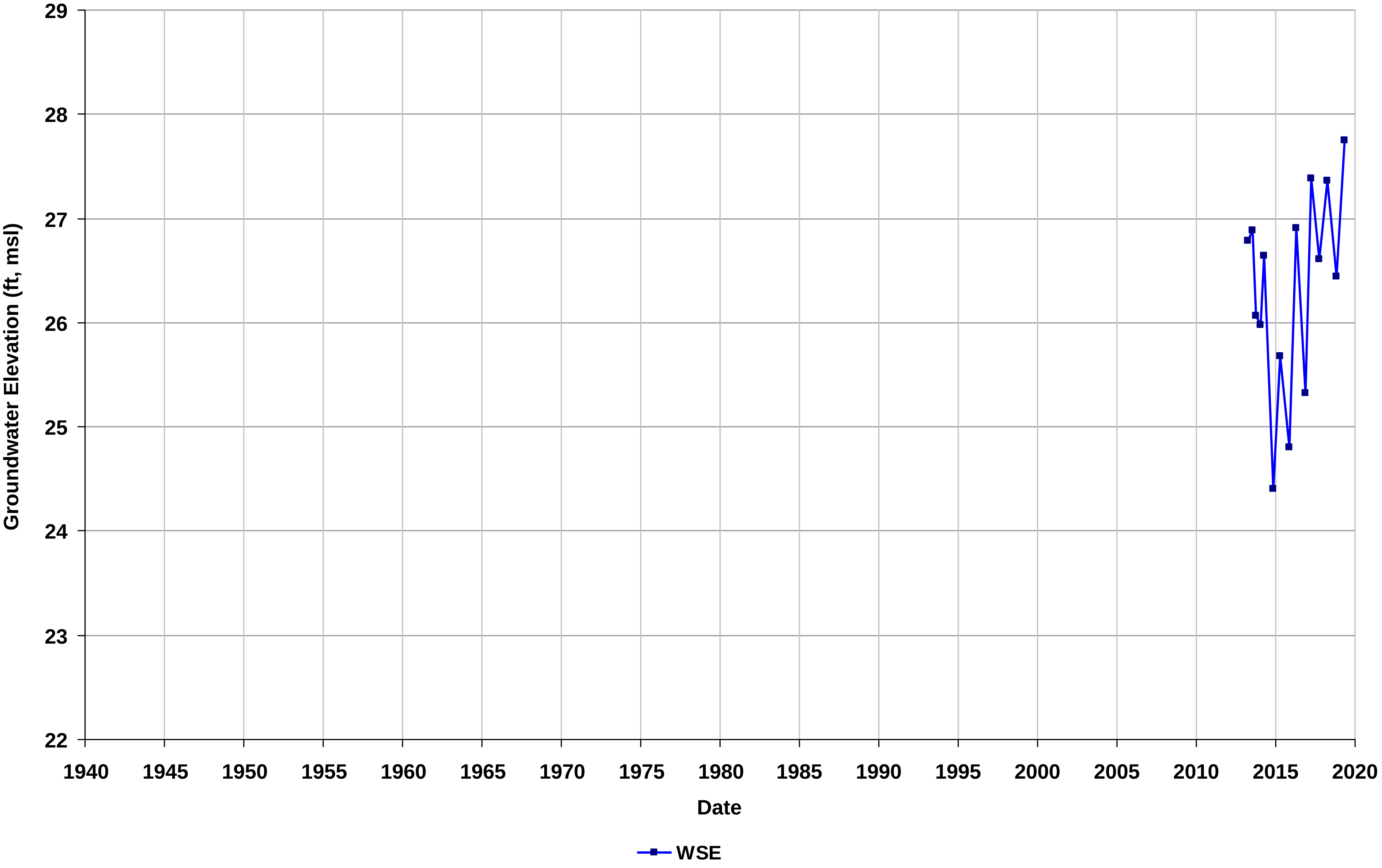
Well Name: T10000001750-S-6
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



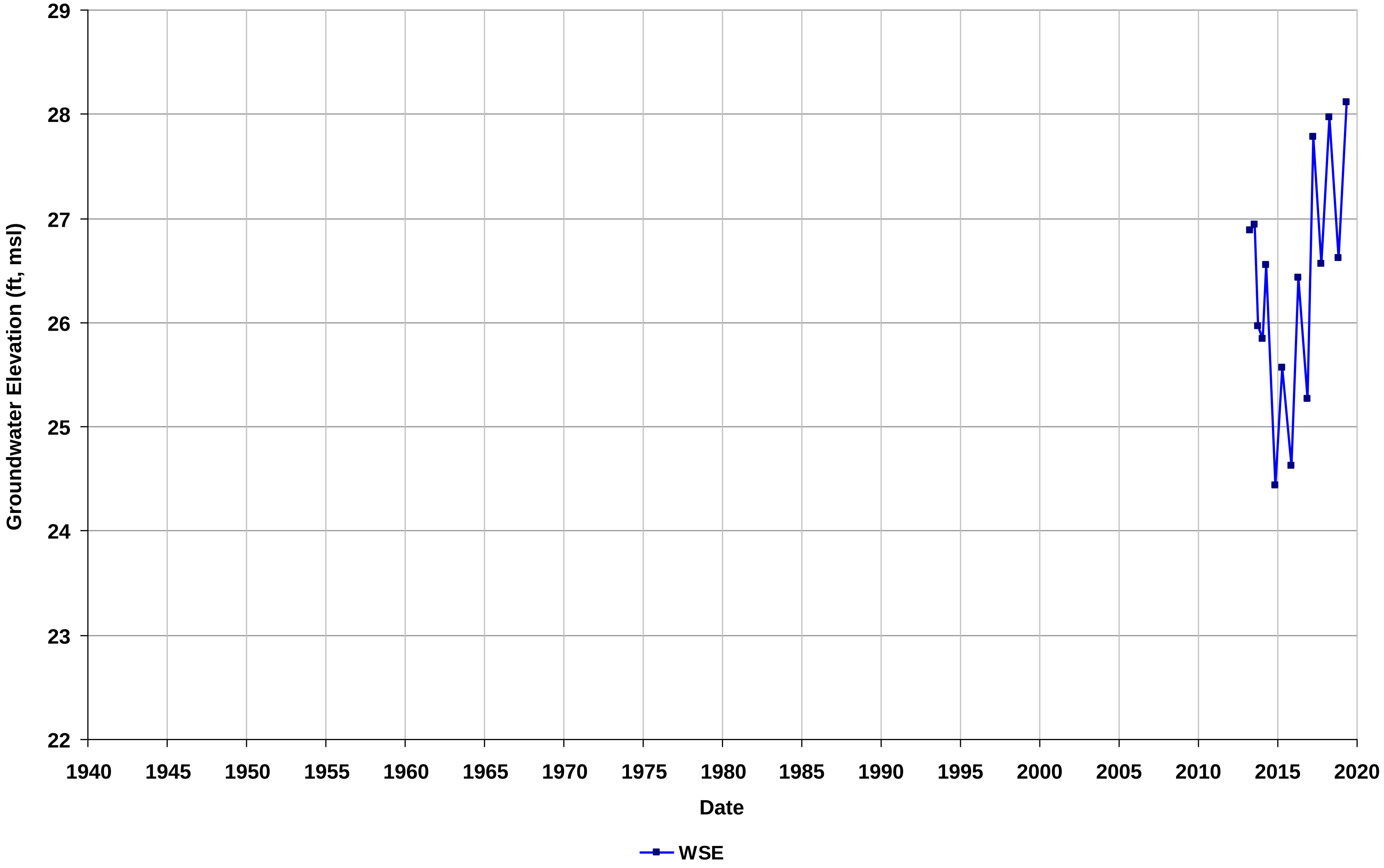
Well Name: T10000001750-S-7
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



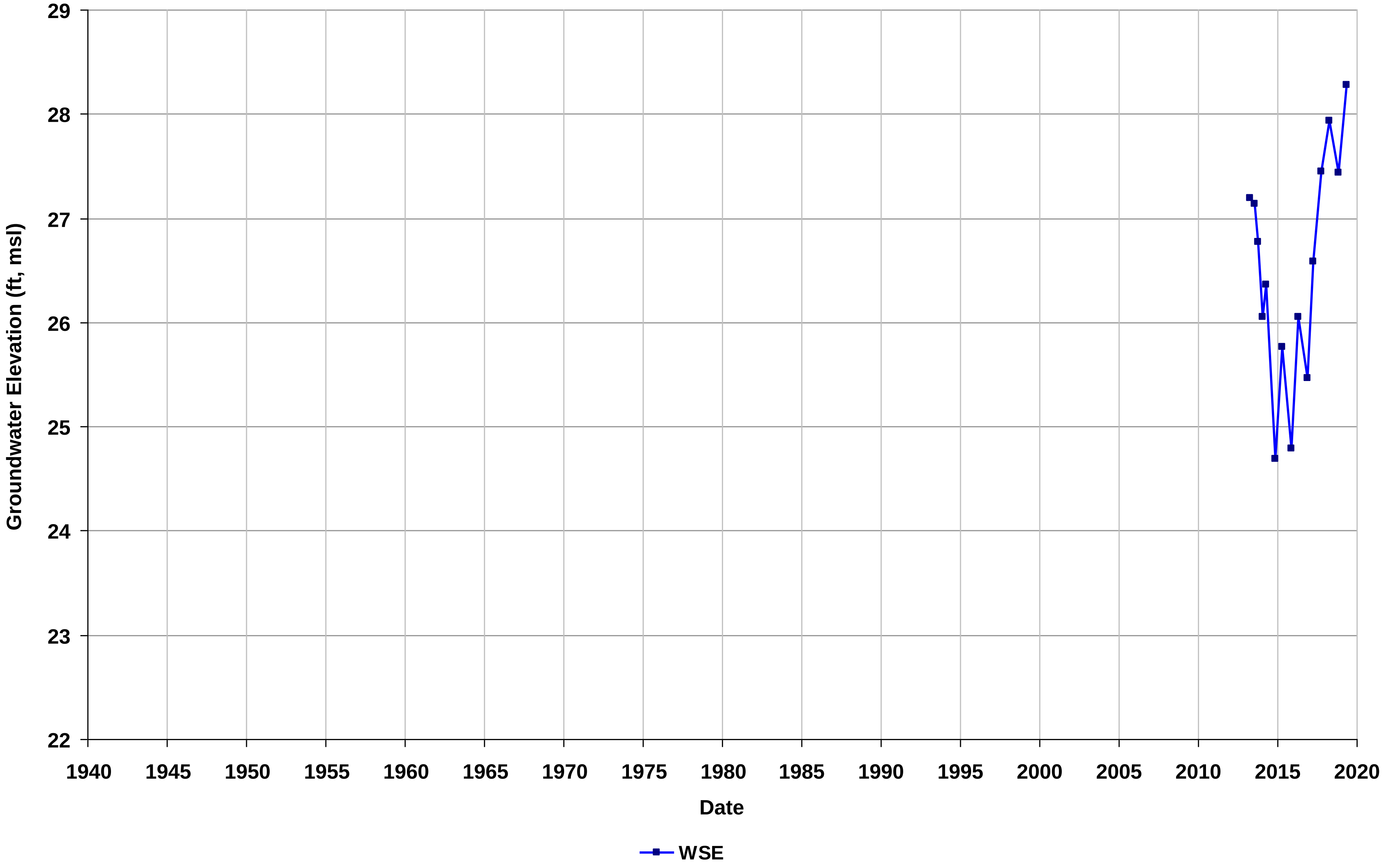
Well Name: T10000001750-S-8
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



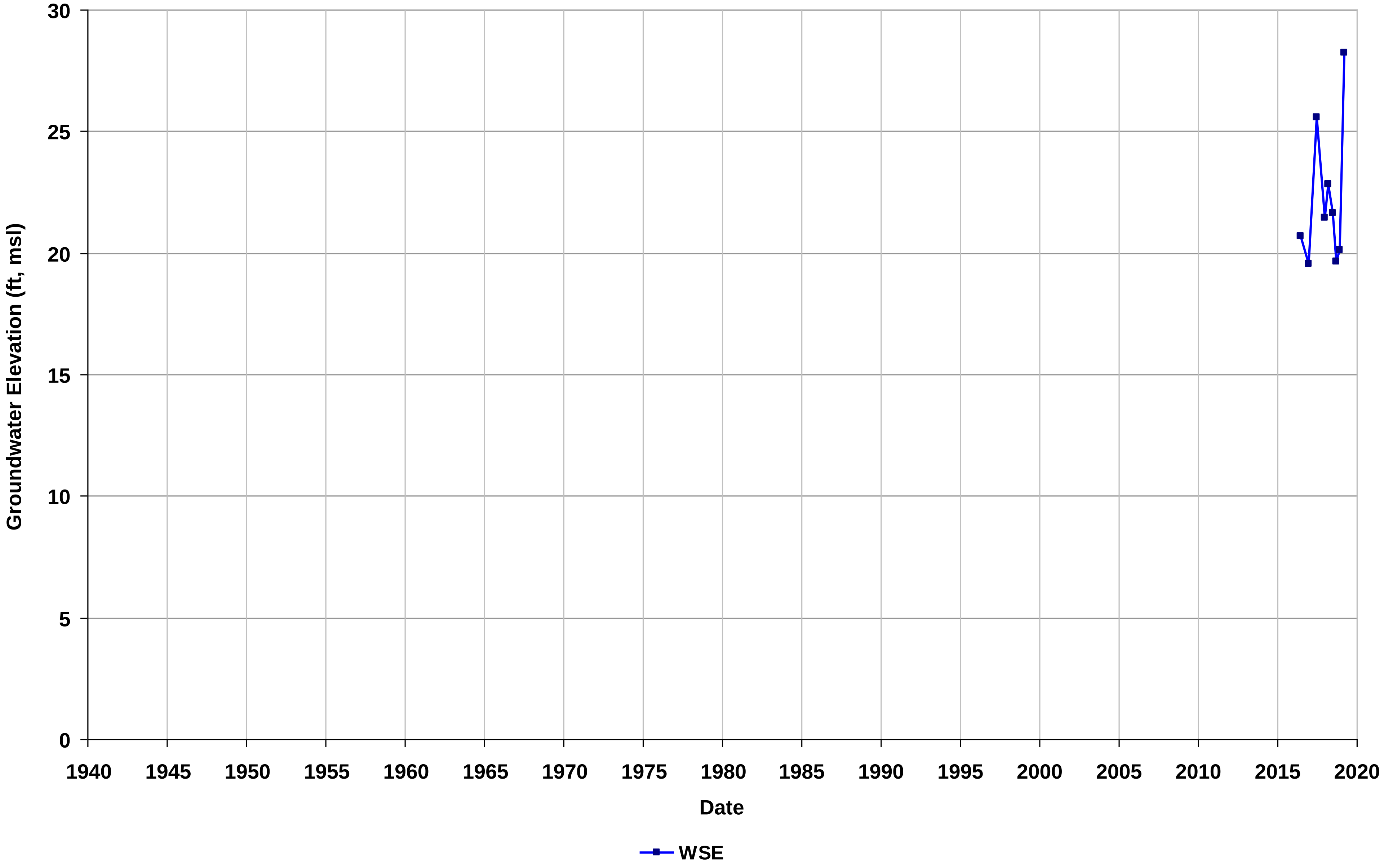
Well Name: T10000001750-S-9
Depth Zone: Unknown
Subbasin: Niles Cone
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: n/a
Well Use: Observation



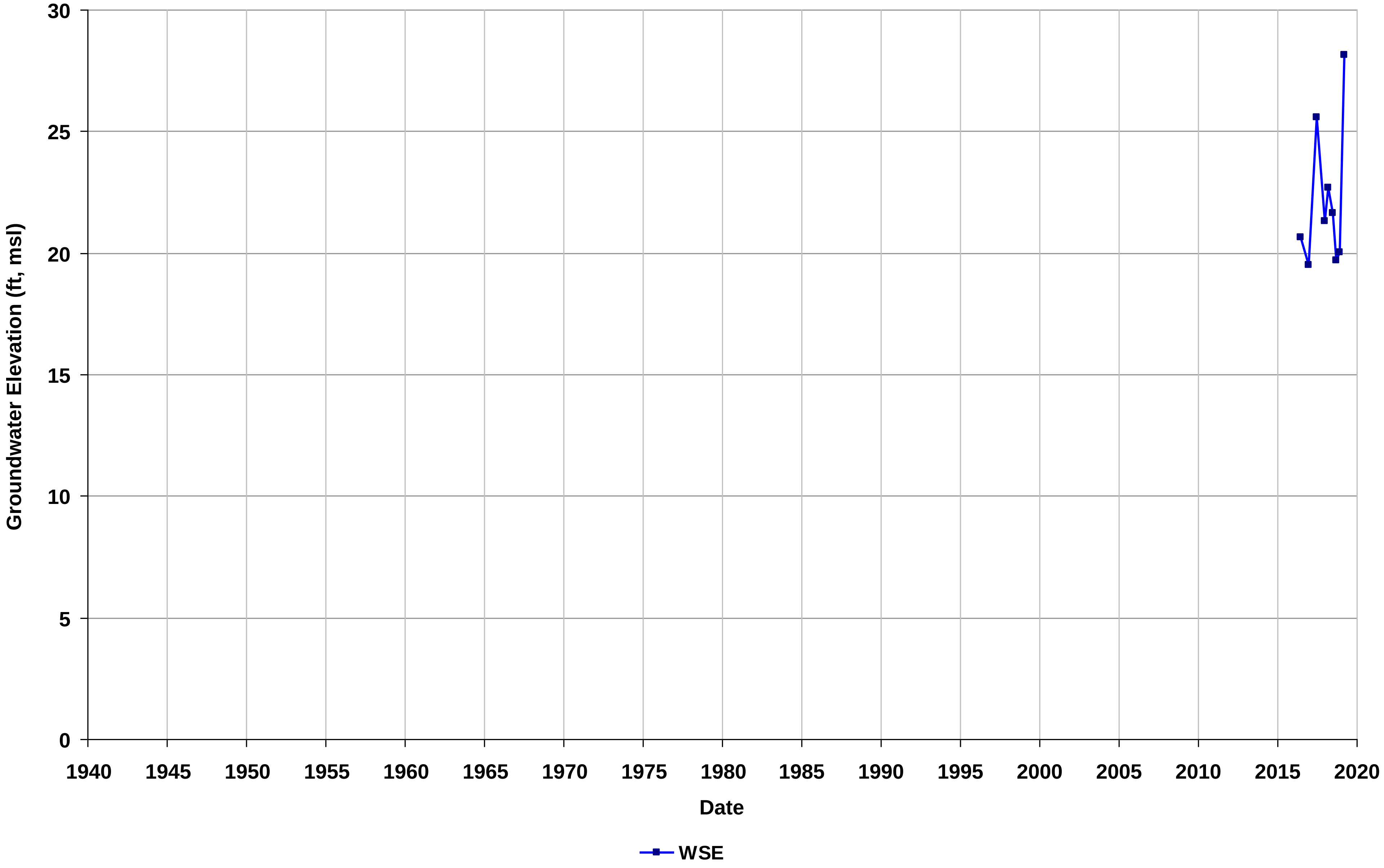
Well Name: T10000006351-MW-3A
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/01
Well Use: Observation



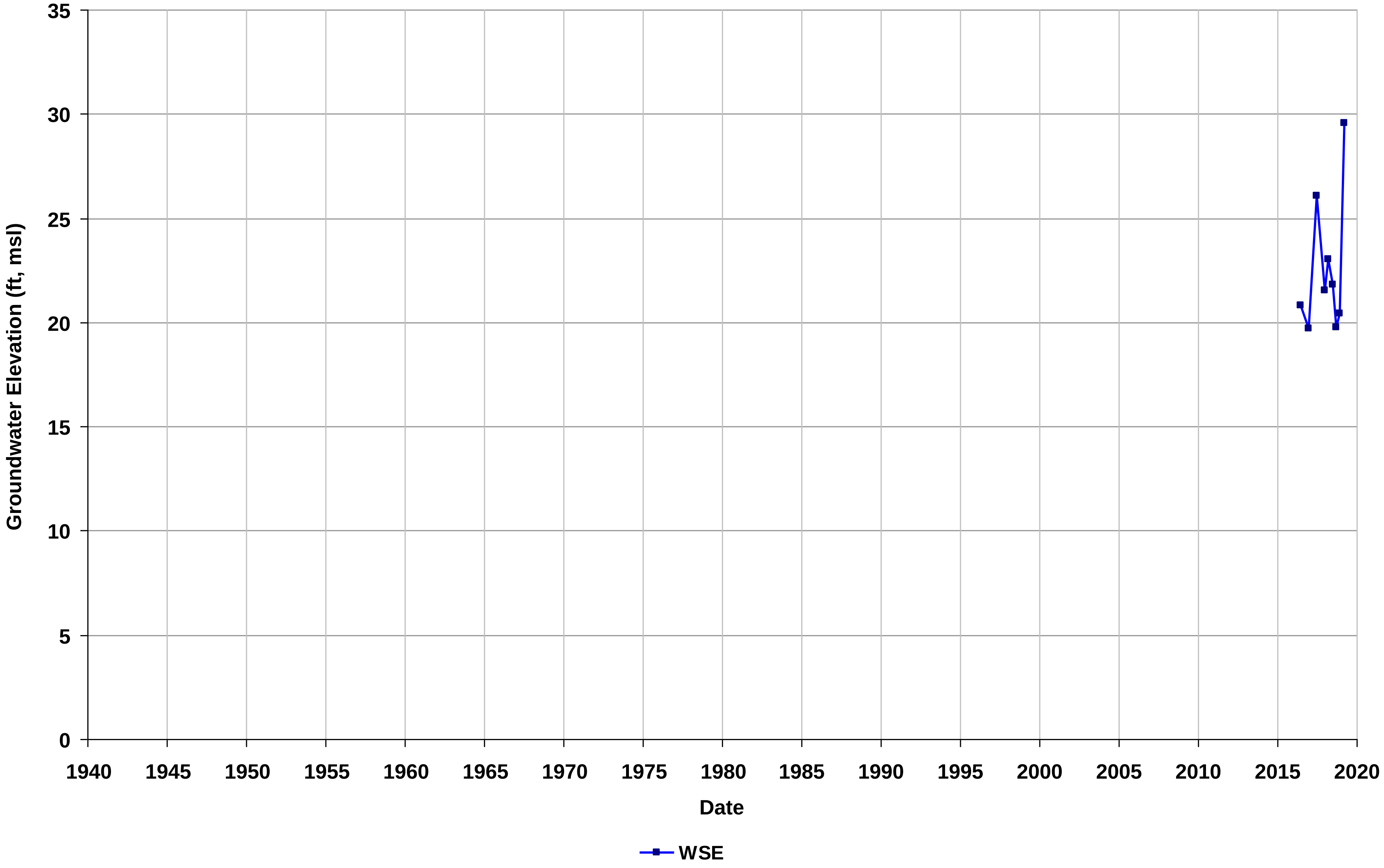
Well Name: T10000006351-MW-4A
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/01
Well Use: Observation



Well Name: T10000006351-MW-5A
Depth Zone: Unknown
Subbasin: East Bay Plain
GSE (ft, msl):

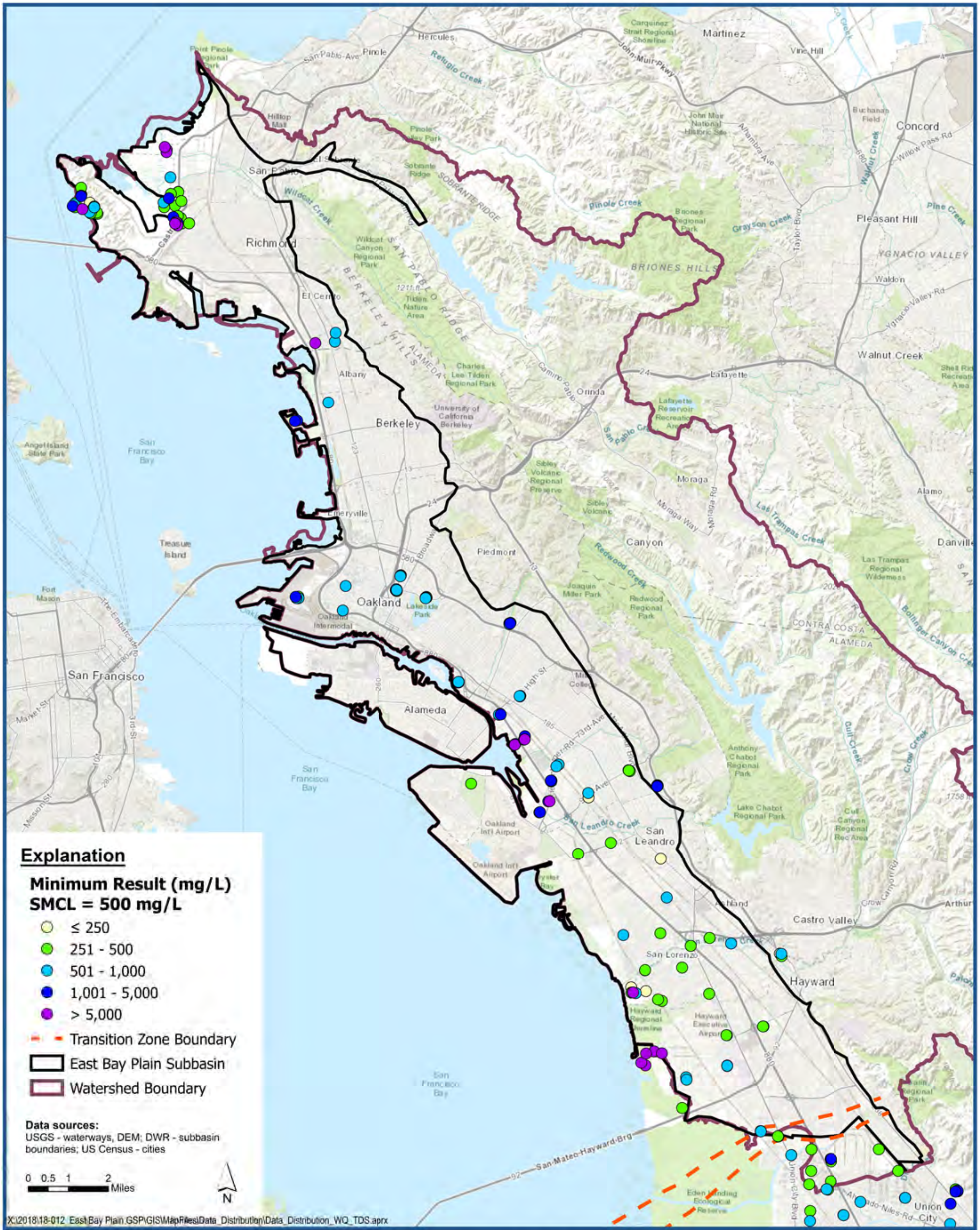
Total Depth (ft bgs):
Perf. Interval (ft bgs):
T/R/S: 04S/02W/01
Well Use: Observation



APPENDIX F

Section F-1

TDS Maps



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

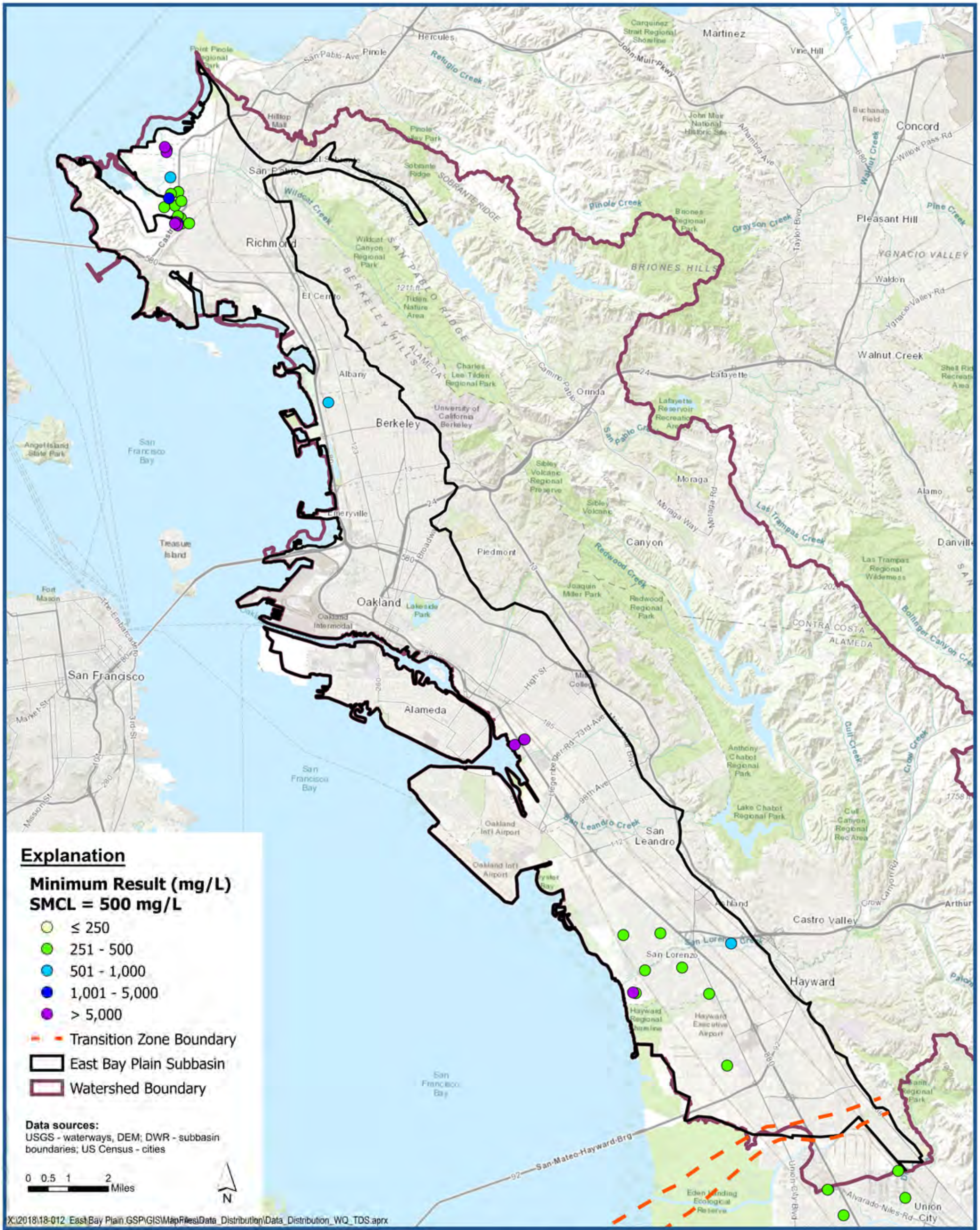
X:\2018\18-012 East Bay Plain GSP\GIS\MapFiles\Data_Distribution\Data_Distribution_WQ_TDS.aprx

LSCE TEAM

Minimum Total Dissolved Solids (TDS) Measurement for Wells deeper than 50-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-1

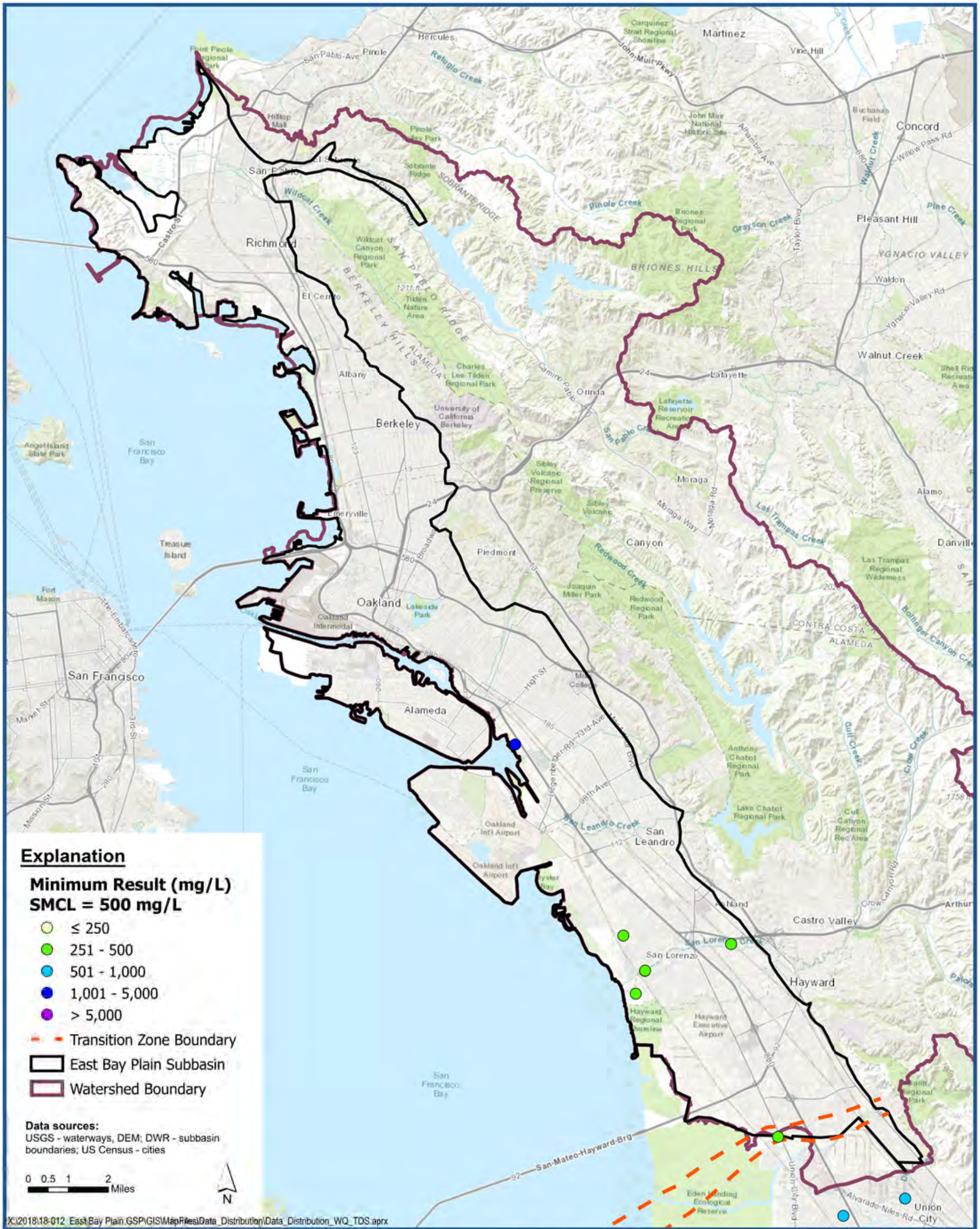


LSCE TEAM

Minimum Total Dissolved Solids (TDS) Measurement for Wells 50 to 200-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-2

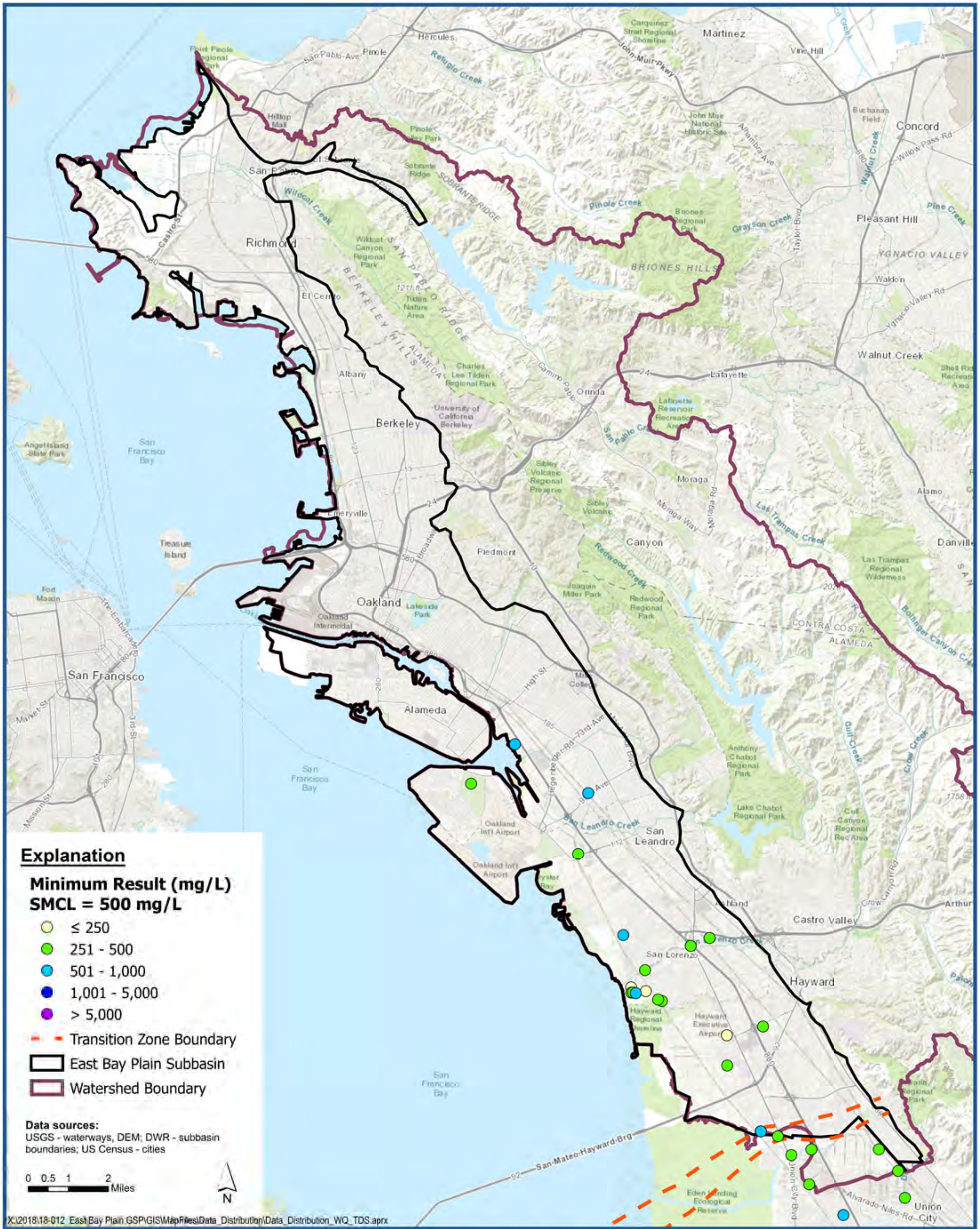


LSCE TEAM

Minimum Total Dissolved Solids (TDS) Measurement for Wells 200 to 400-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-3

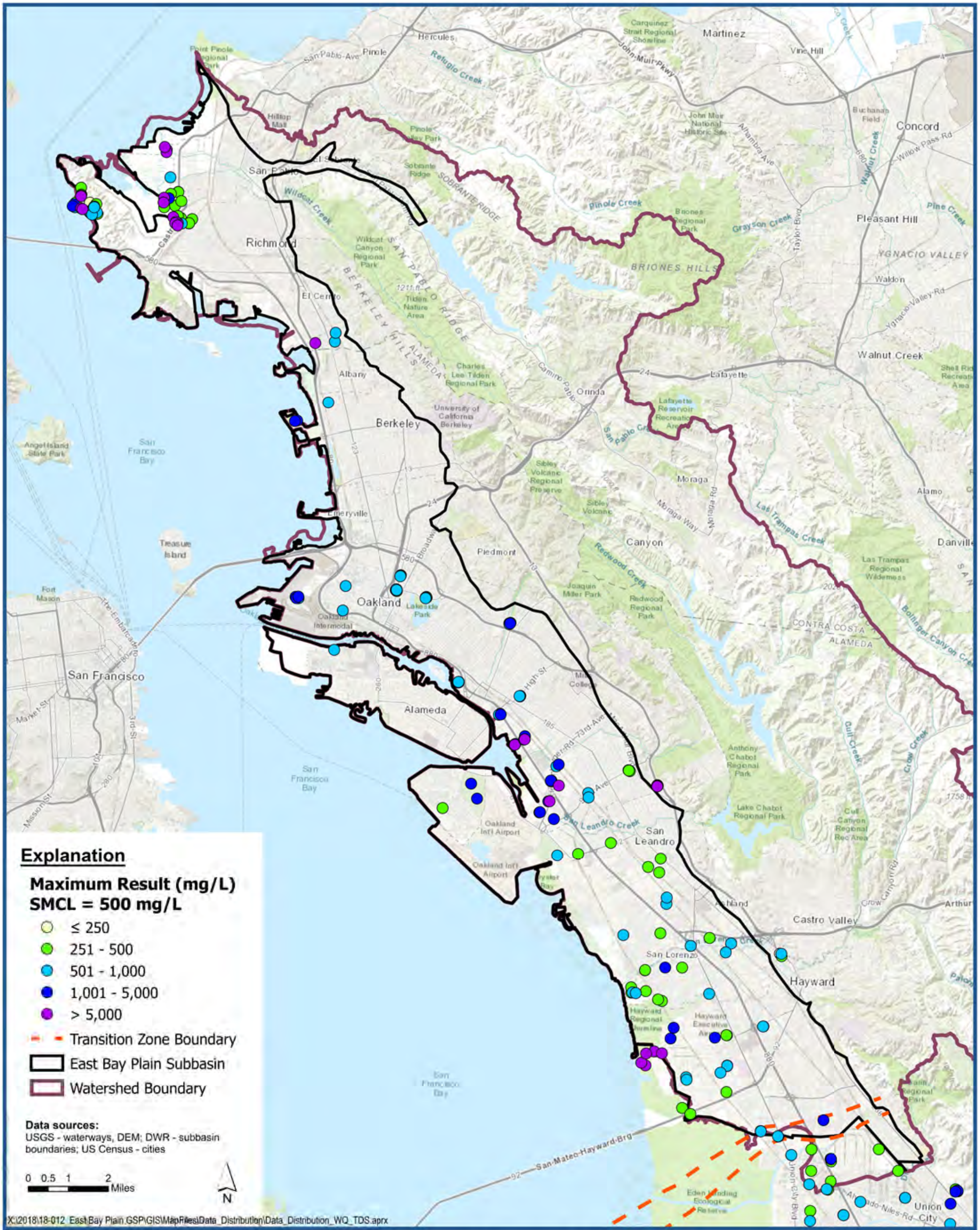


Minimum Total Dissolved Solids (TDS) Measurement for Wells deeper than 400-feet

Figure F-4

East Bay Plain Subbasin
Groundwater Sustainability Plan

LSCE TEAM



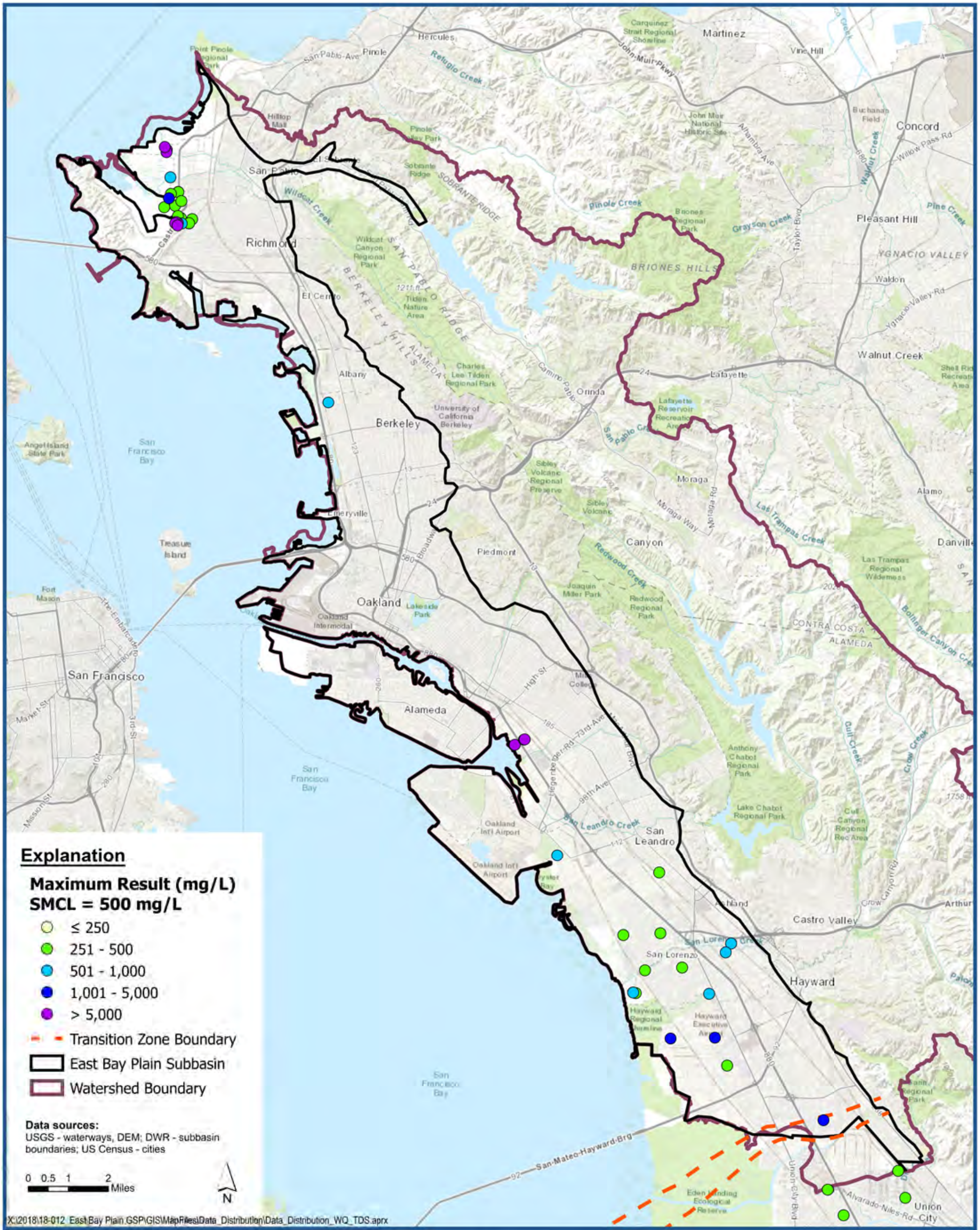
X:\2018\18-012 East Bay Plain GSP\GIS\MapFiles\Data_Distribution\Data_Distribution_WQ_TDS.aprx

LSCE TEAM

Maximum Total Dissolved Solids (TDS) Measurement for Wells deeper than 50-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-5

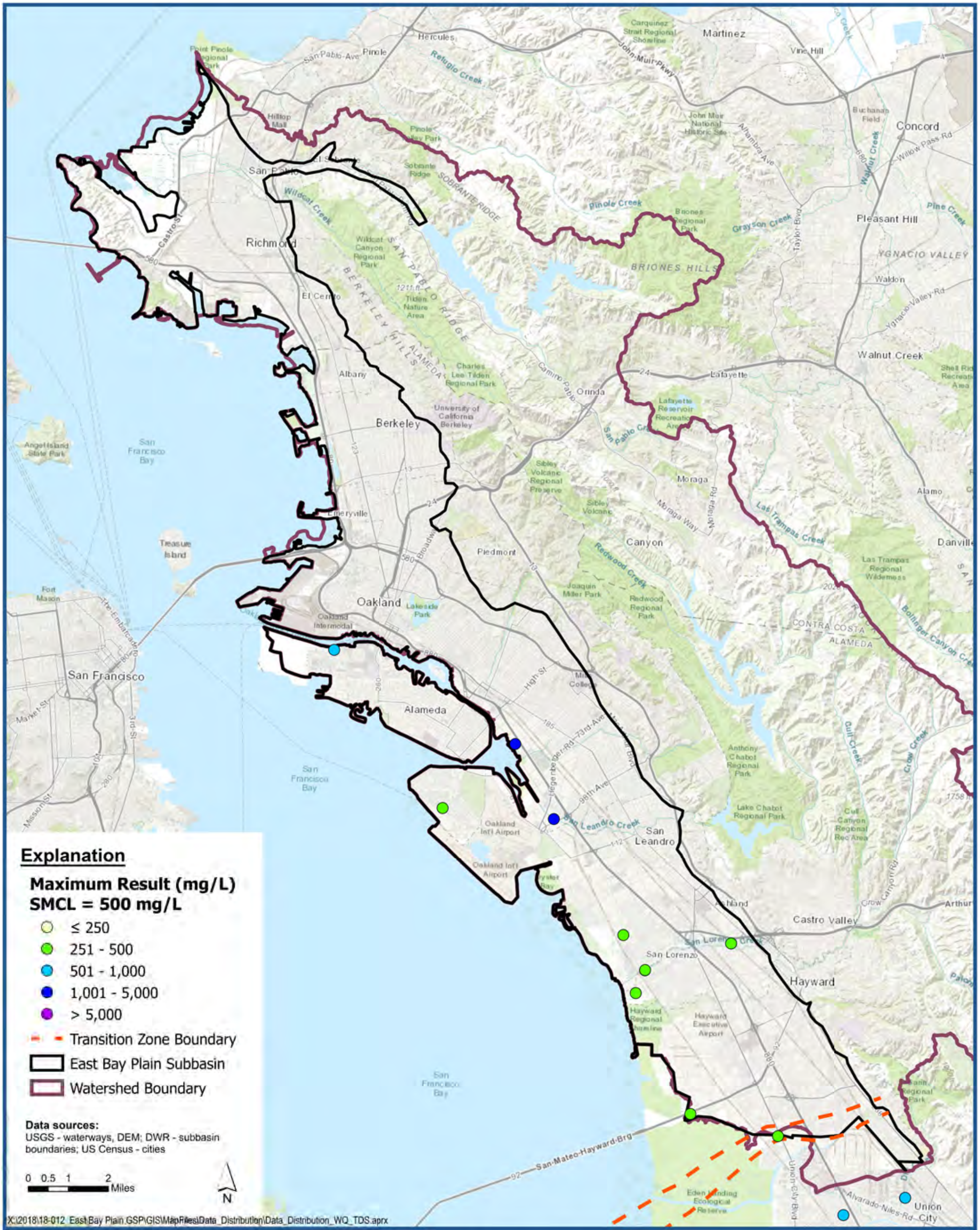


LSCE TEAM

Maximum Total Dissolved Solids (TDS) Measurement for Wells 50 to 200-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-6



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

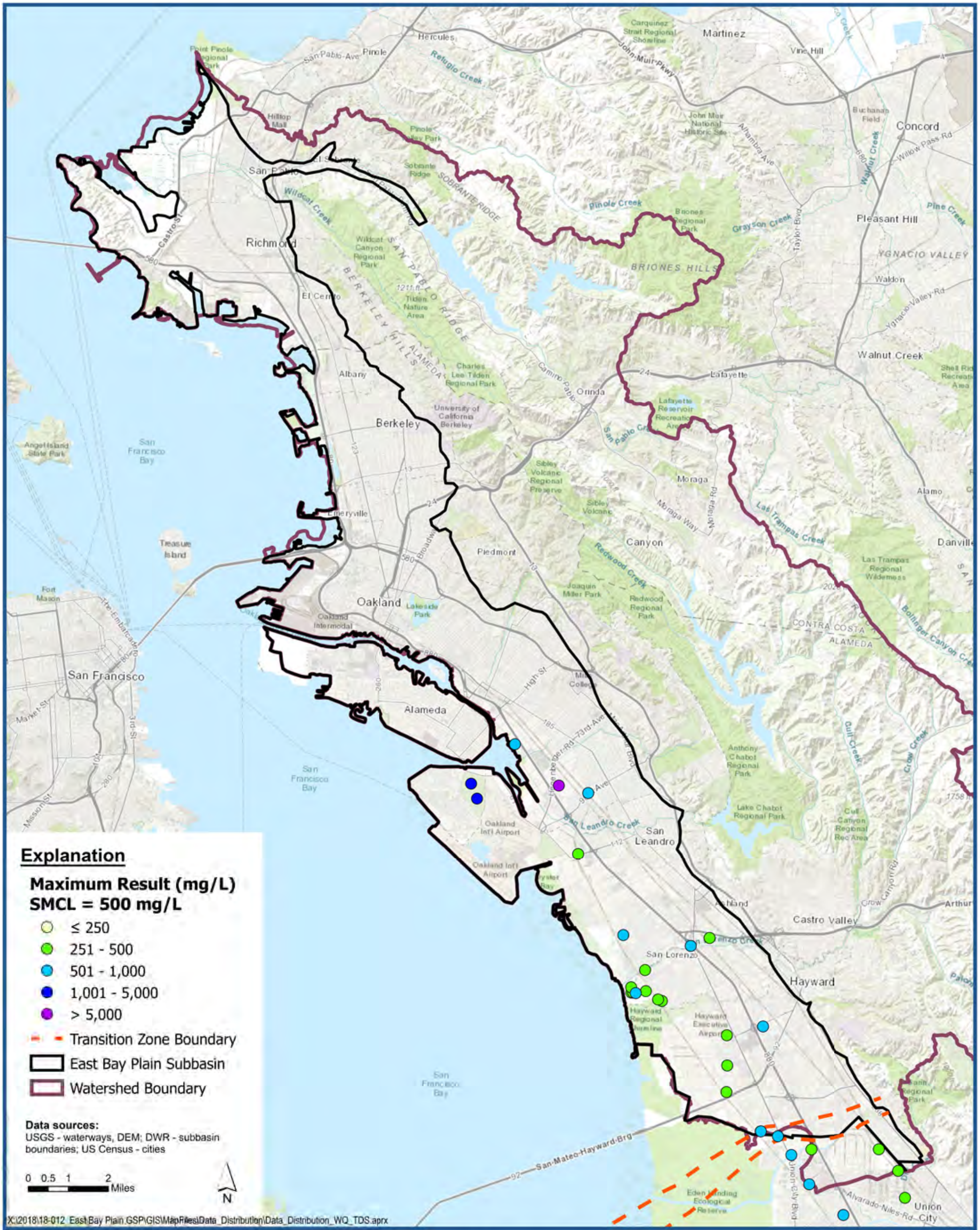
X:\2018\18-012 East Bay Plain GSP\GIS\MapFiles\Data_Distribution\Data_Distribution_WQ_TDS.aprx

LSCE TEAM

Maximum Total Dissolved Solids (TDS) Measurement for Wells 200 to 400-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

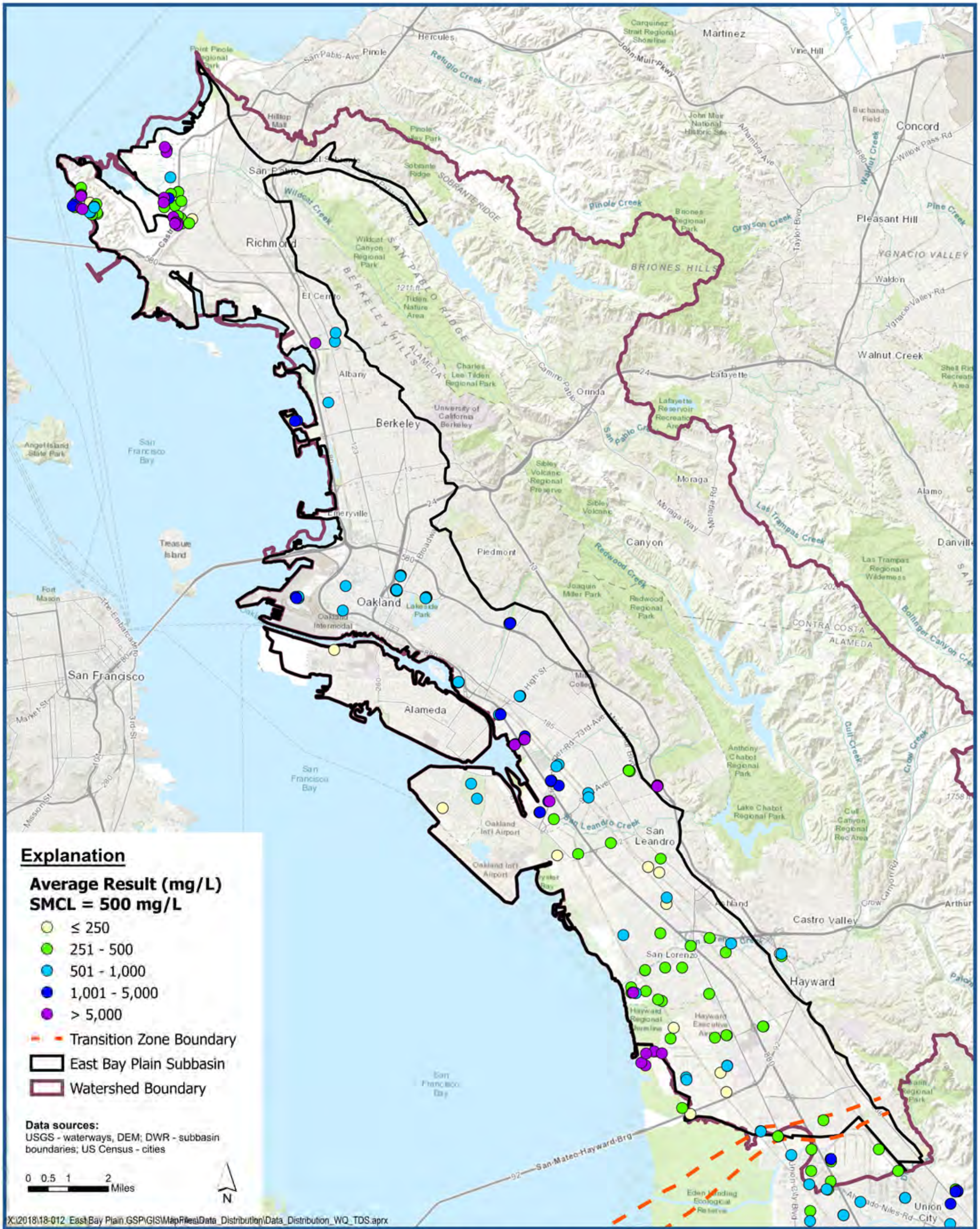
Figure F-7



Maximum Total Dissolved Solids (TDS) Measurement for Wells deeper than 400-feet

Figure F-8

East Bay Plain Subbasin
Groundwater Sustainability Plan



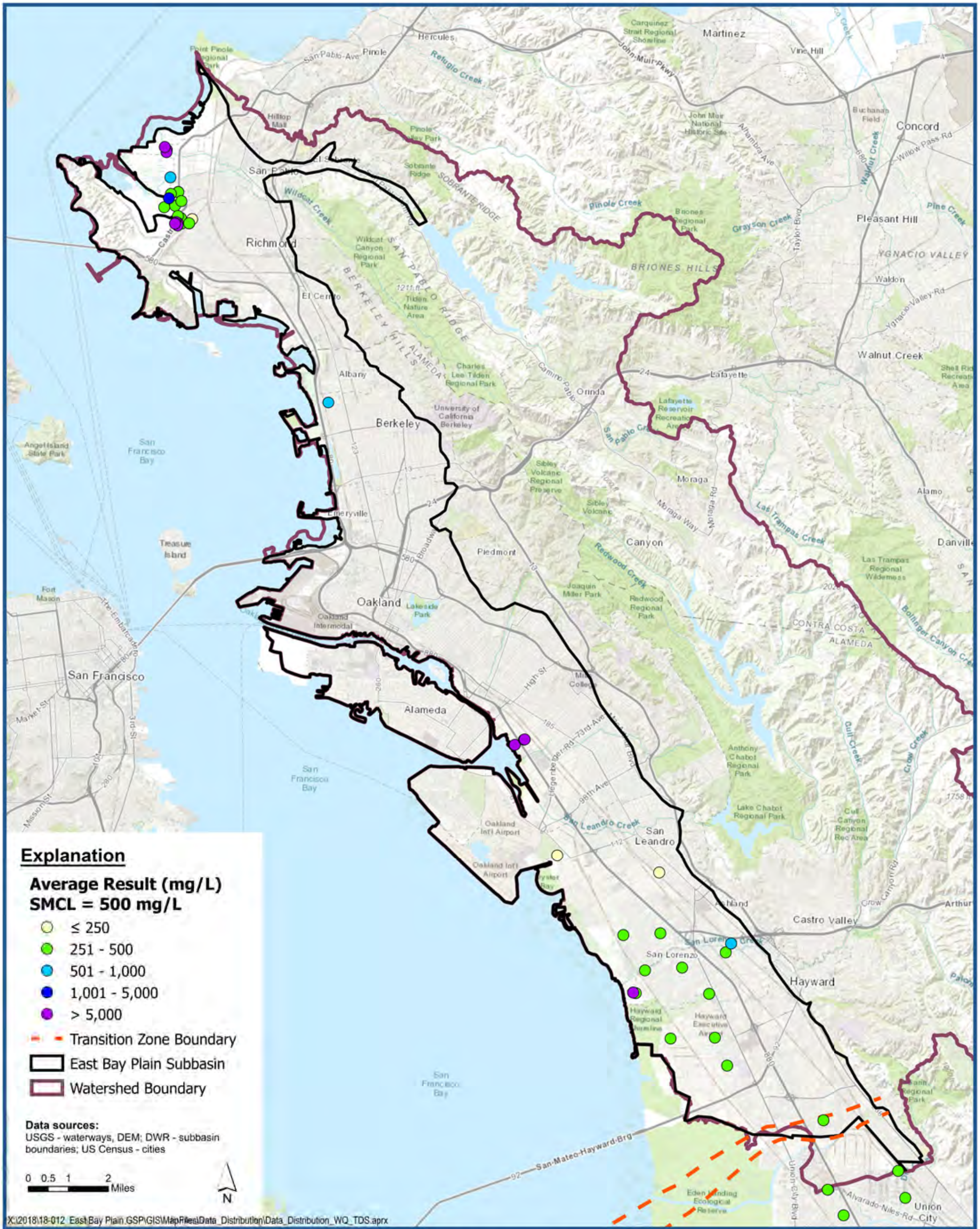
X:\2018\18-012 East Bay Plain GSP\GIS\MapFiles\Data_Distribution\Data_Distribution_WQ_TDS.aprx

LSCE TEAM

Average Total Dissolved Solids (TDS) Measurement for Wells deeper than 50-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-9

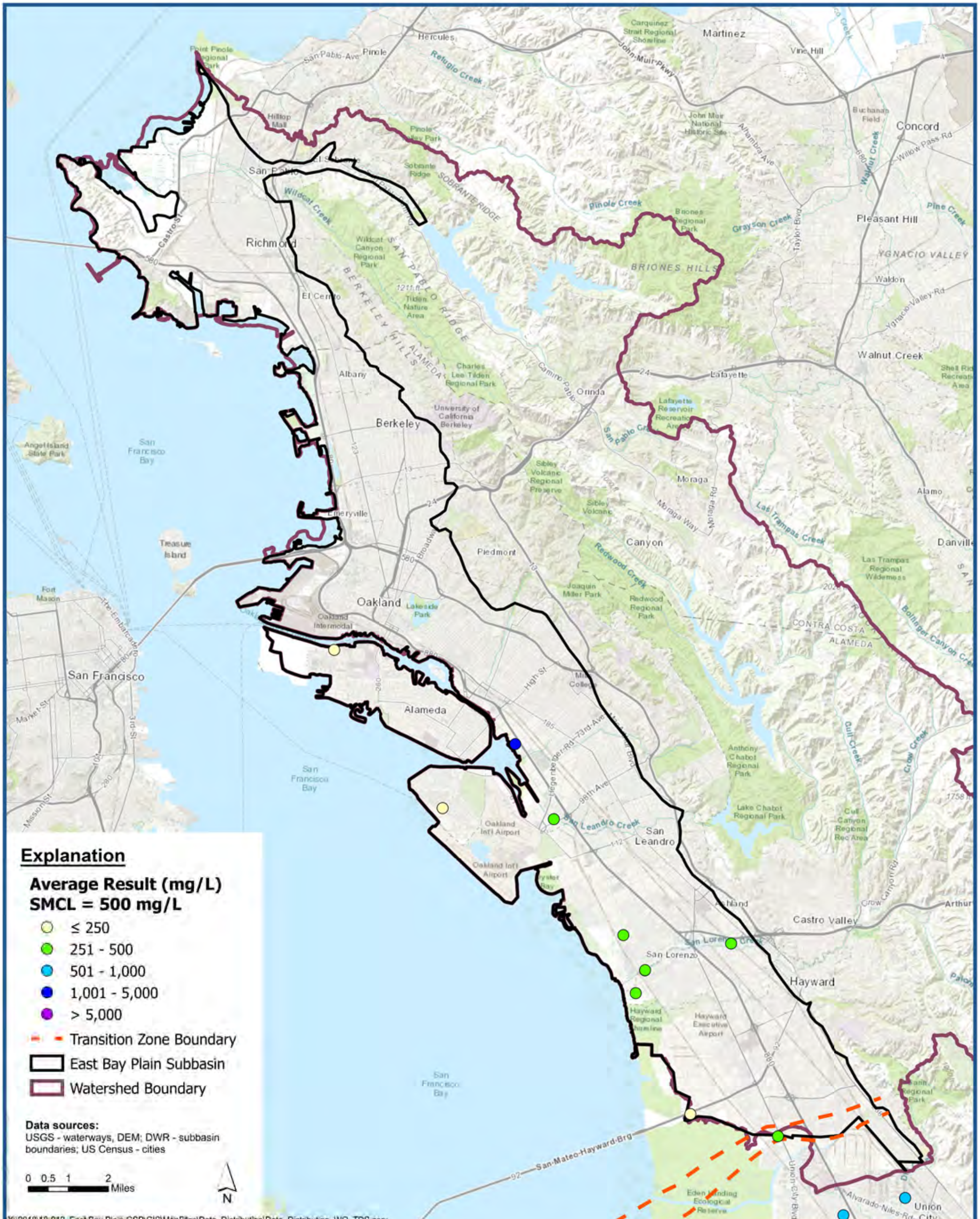


LSCE TEAM

Average Total Dissolved Solids (TDS) Measurement for Wells 50 to 200-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-10



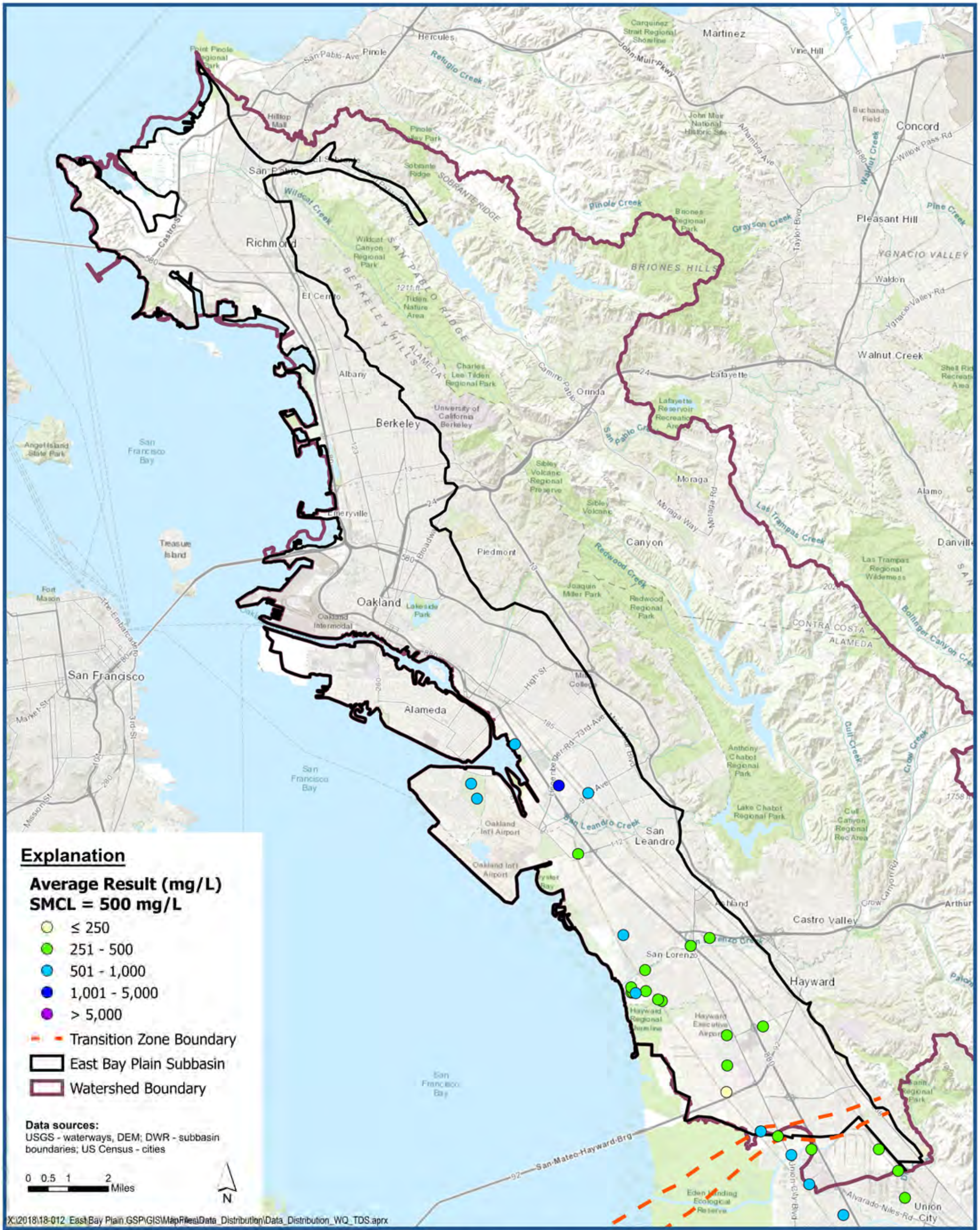
X:\2018\18-012_East Bay Plain GSP\GIS\MapFiles\Data_Distribution\Data_Distribution_WQ_TDS.aprx

LSCE TEAM

Average Total Dissolved Solids (TDS) Measurement for Wells 200 to 400-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-11



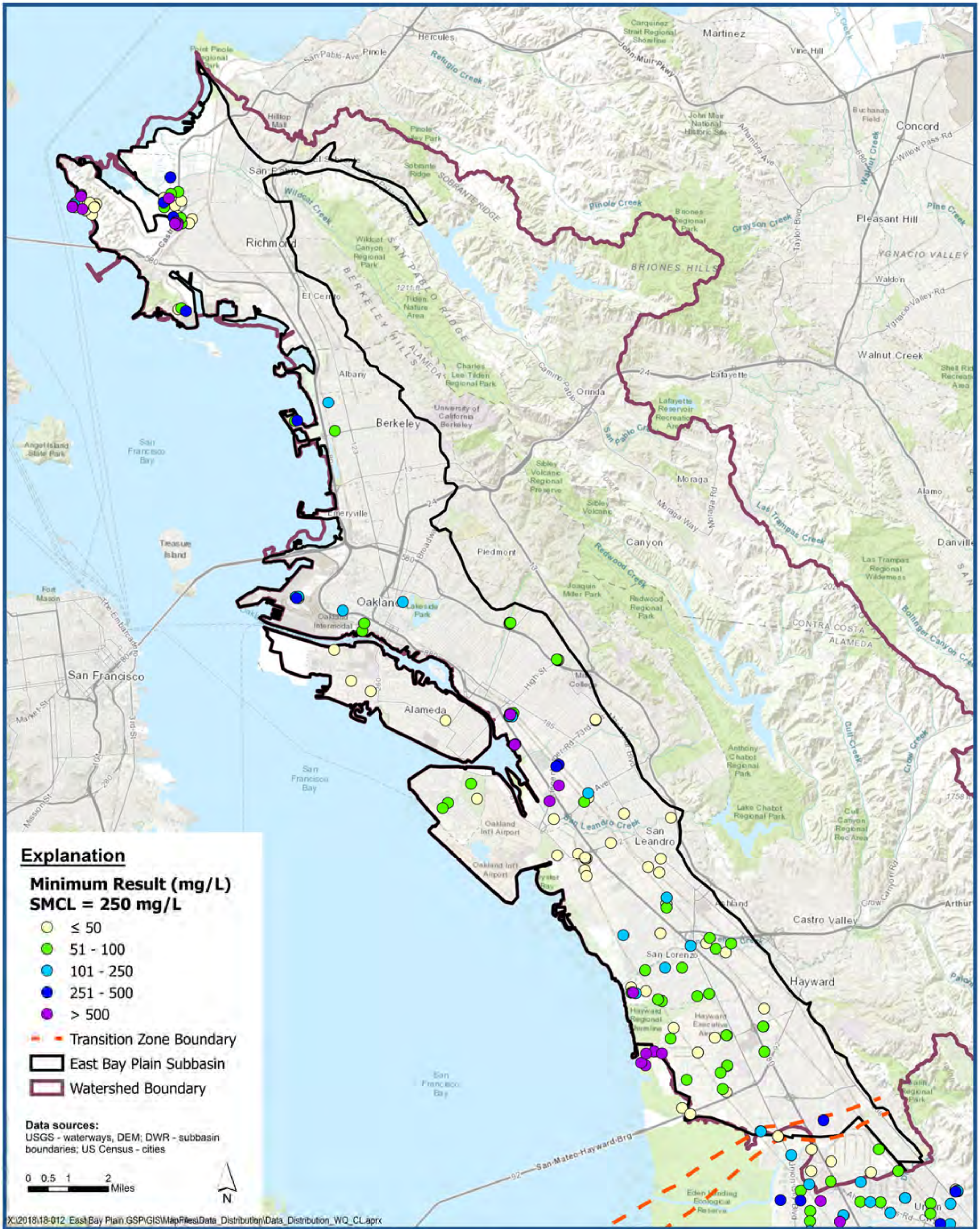
Average Total Dissolved Solids (TDS) Measurement for Wells deeper than 400-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-12

Section F-2

Chloride Maps

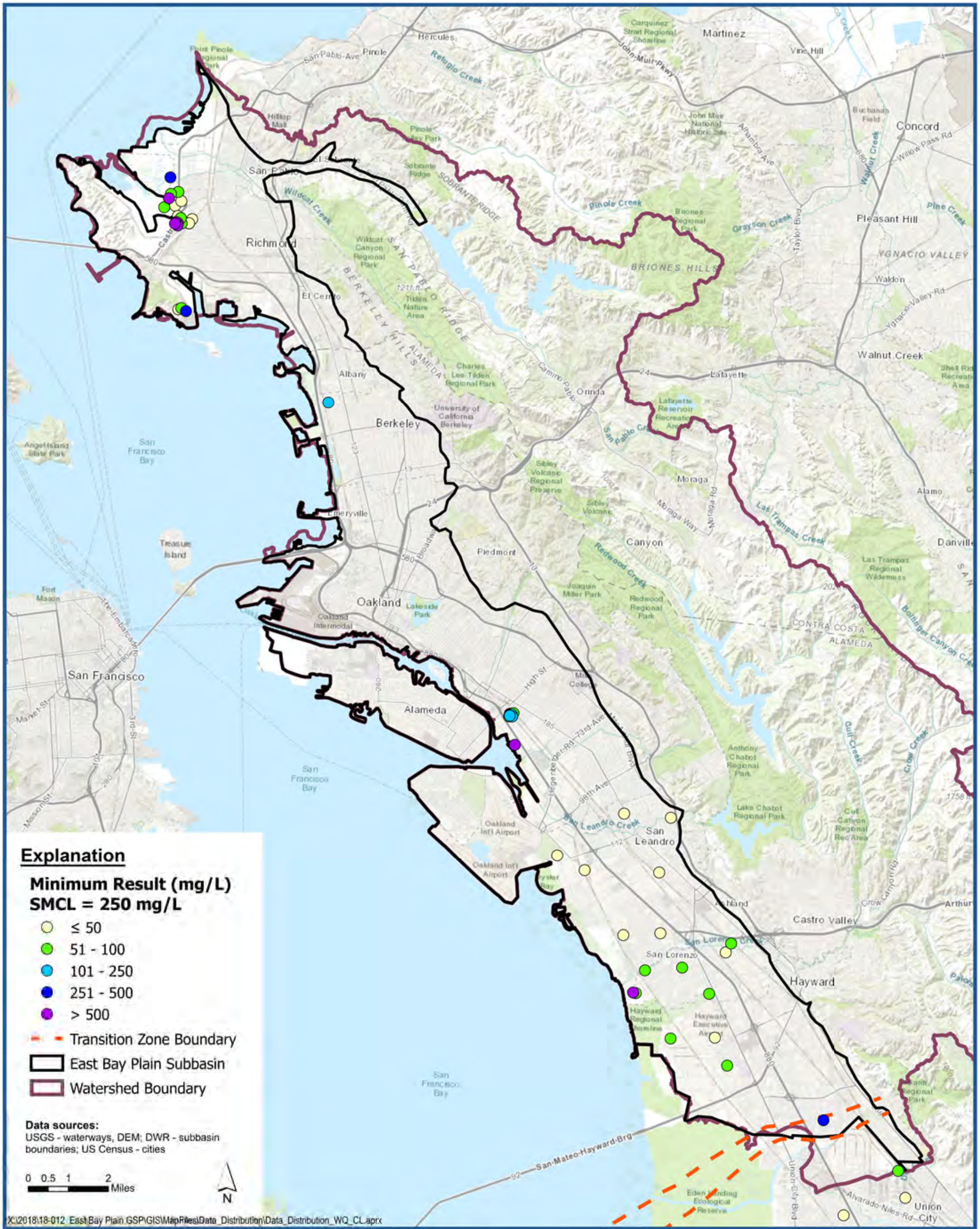


X:\2018\18-012 East Bay Plain GSP\GIS\MapFiles\Data_Distribution\Data_Distribution_WQ_CL.aprx

Minimum Chloride (Cl) Measurement for Wells deeper than 50-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-13

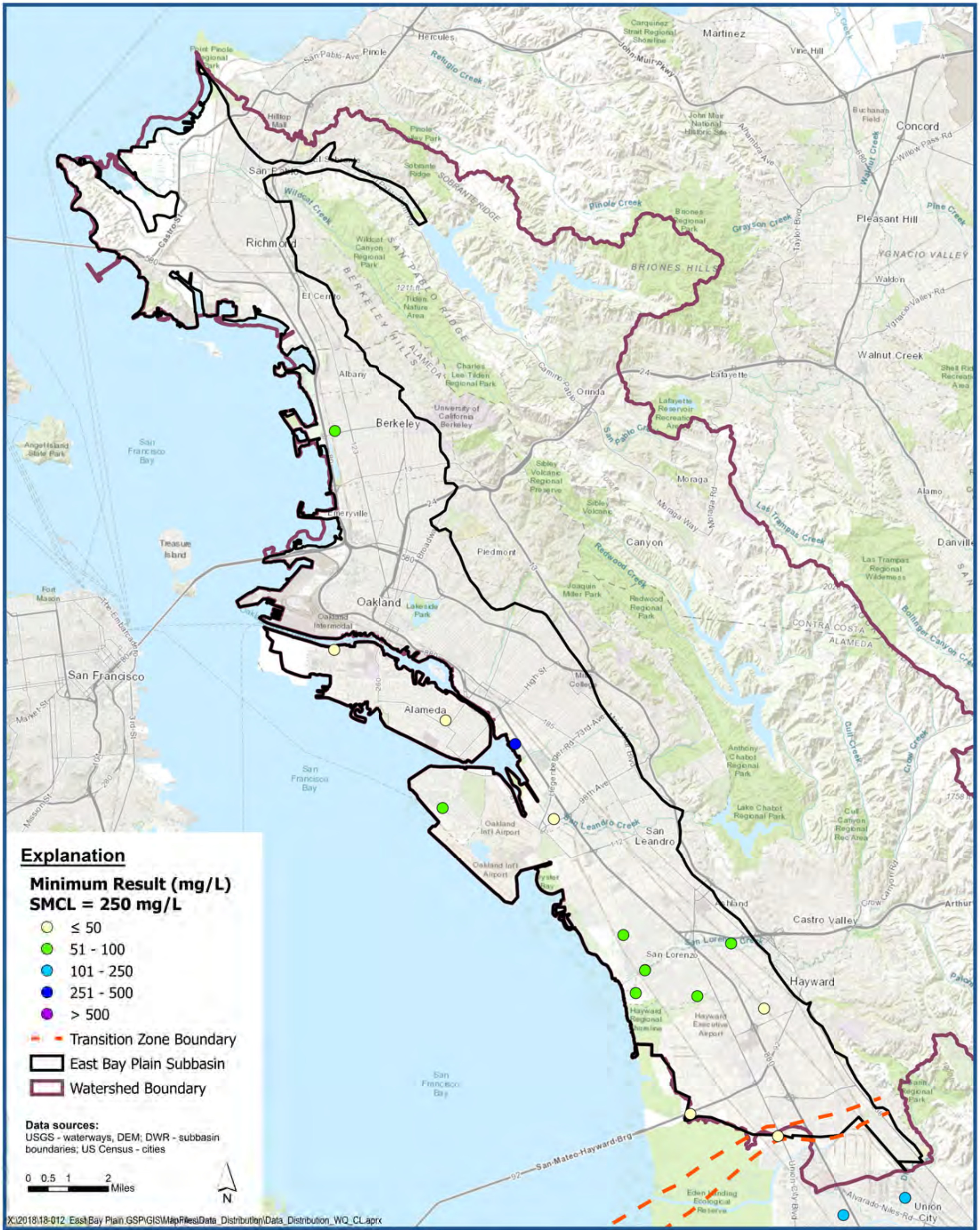


Minimum Chloride (Cl) Measurement for Wells 50 to 200-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-14

LSCE TEAM



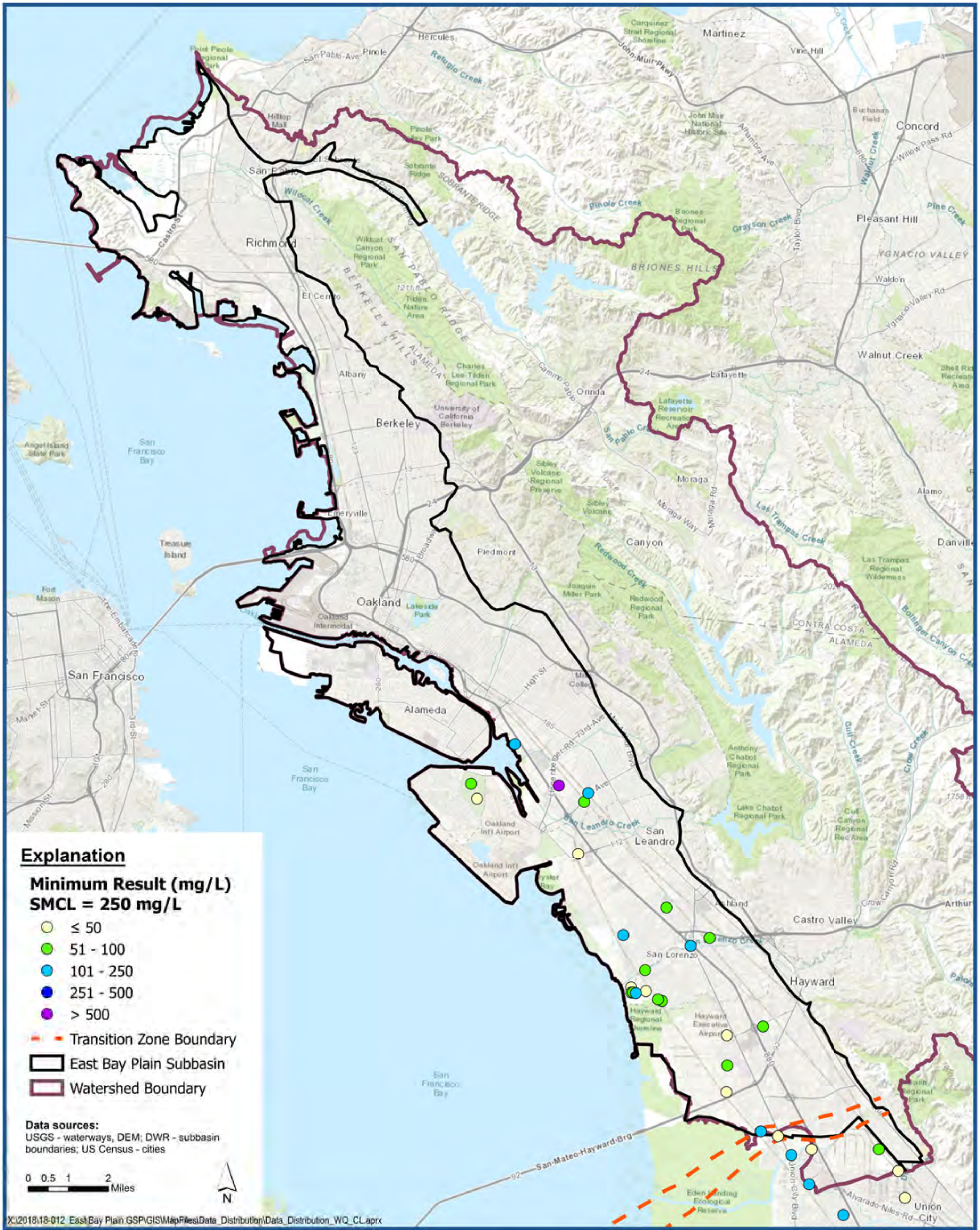
X:\2018\18-012_East Bay Plain GSP\GIS\MapFiles\Data_Distribution\Data_Distribution_WQ_CL.aprx

LSCE TEAM

Minimum Chloride (Cl) Measurement for Wells 200 to 400-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-15

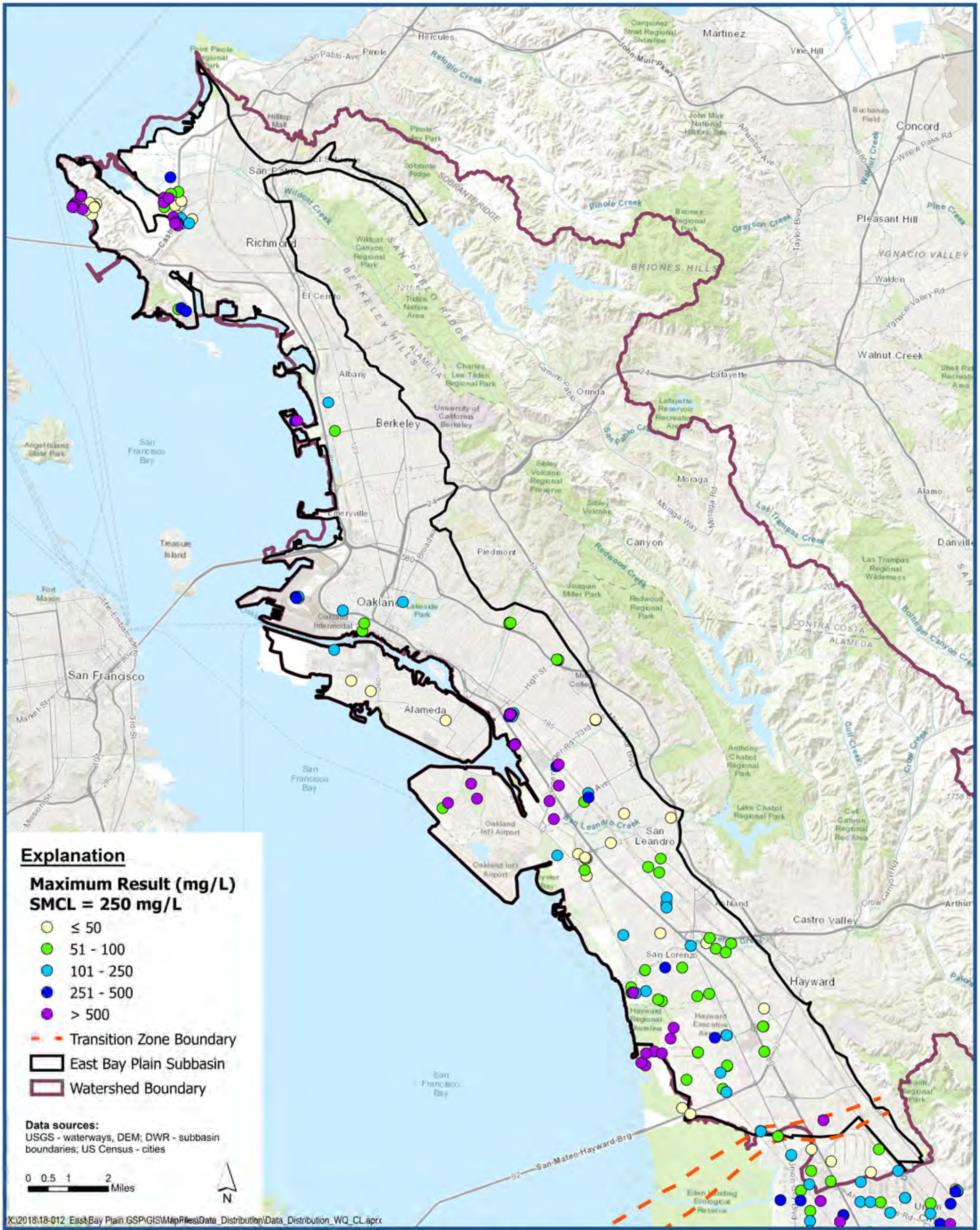


LSCE TEAM

Minimum Chloride (Cl) Measurement for Wells deeper than 400-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-16

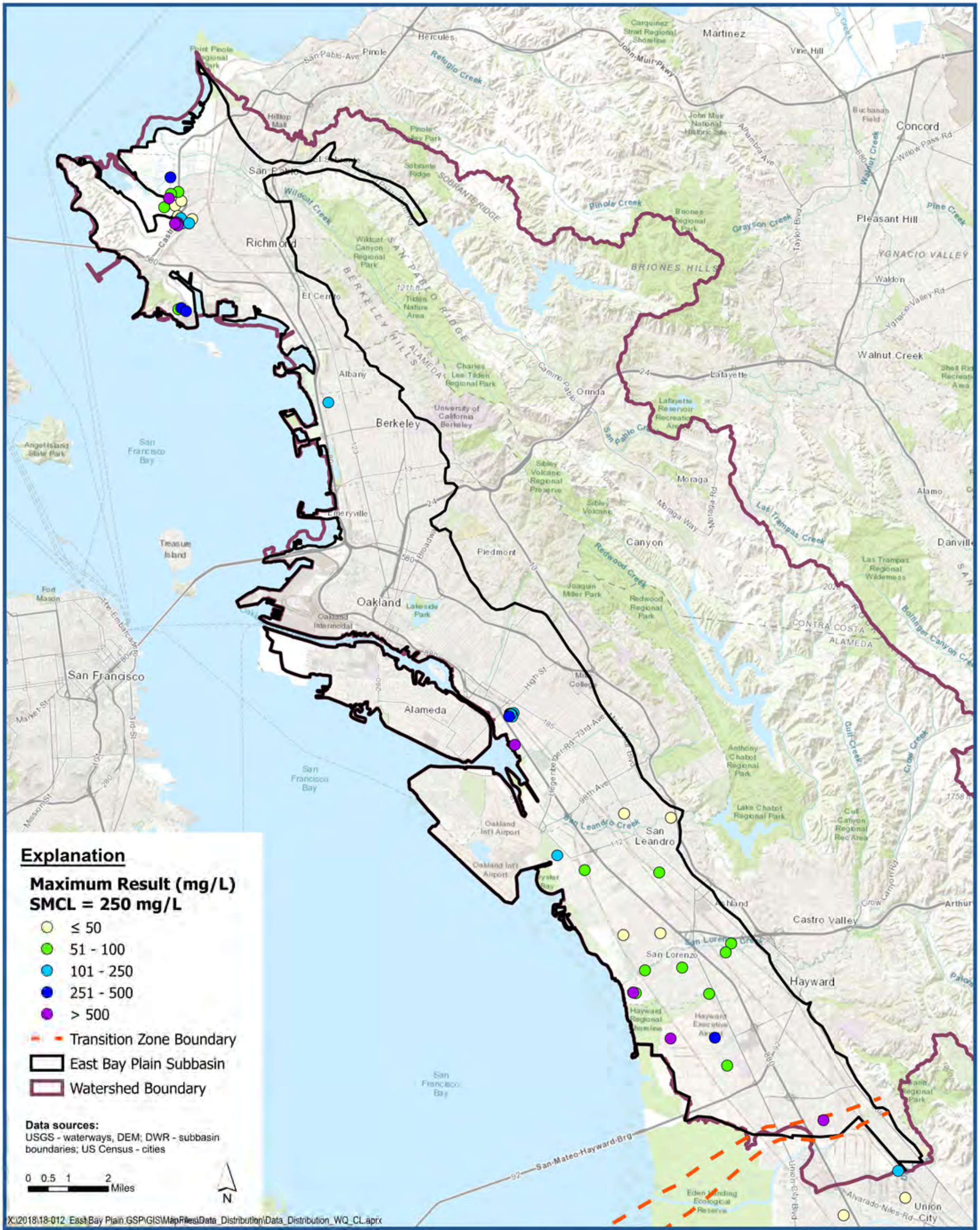


Maximum Chloride (Cl) Measurement for Wells deeper than 50-feet

Figure F-17

LSCE TEAM

East Bay Plain Subbasin
Groundwater Sustainability Plan

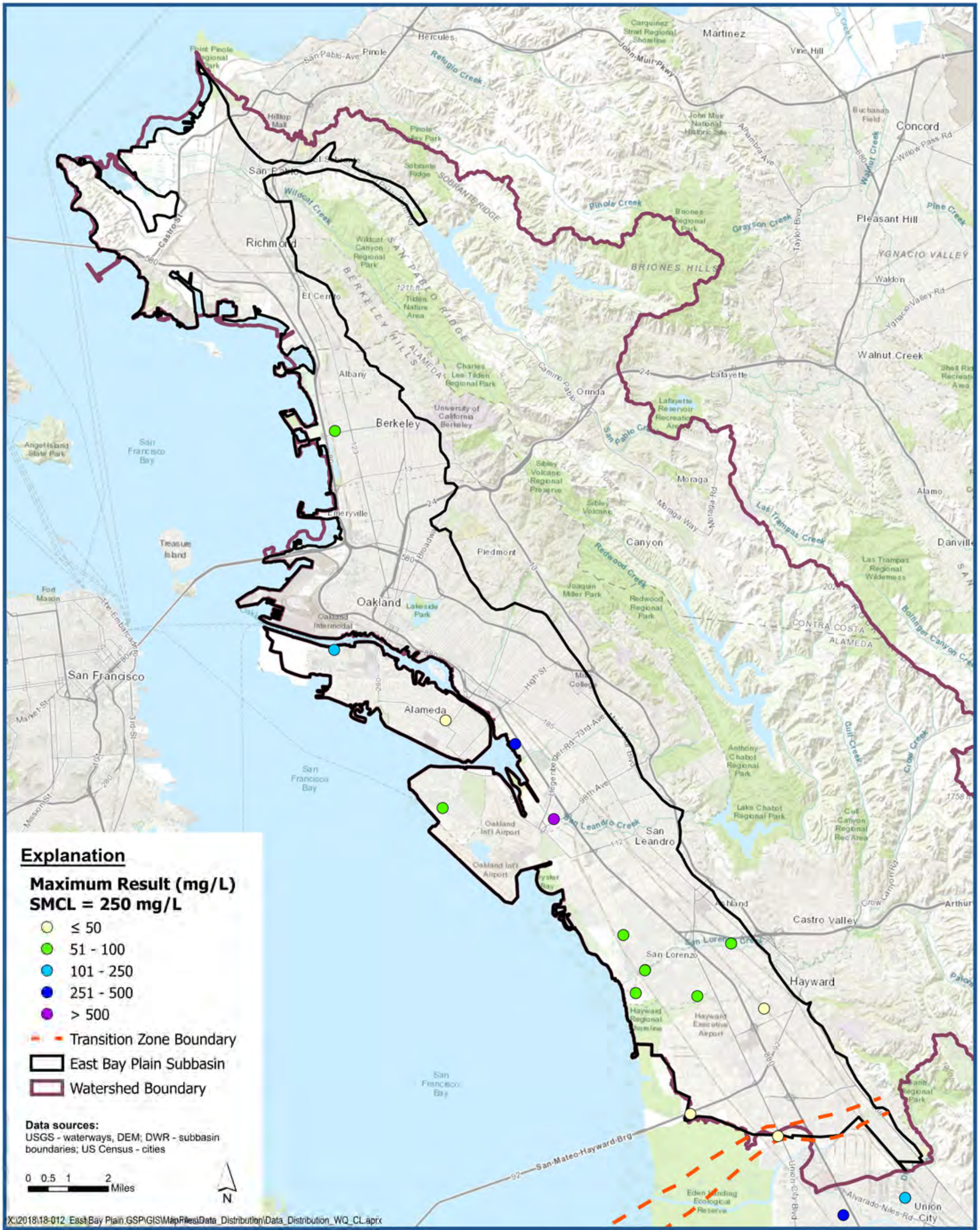


LSCE TEAM

Maximum Chloride (Cl) Measurement for Wells 50 to 200-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-18



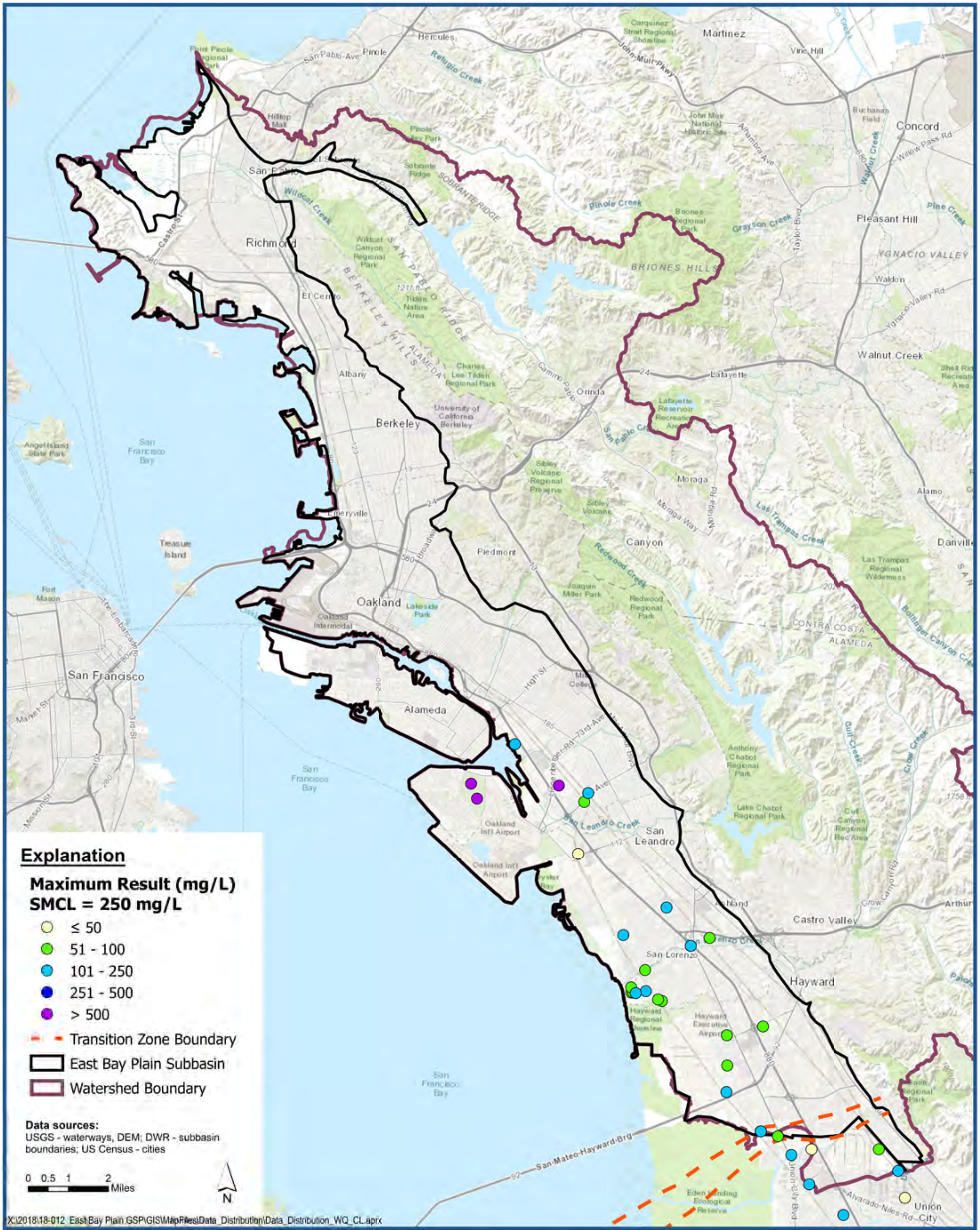
X:\2018\18-012 East Bay Plain GSP\GIS\MapFiles\Data_Distribution\Data_Distribution_WQ_CL.aprx

LSCE TEAM

Maximum Chloride (Cl) Measurement for Wells 200 to 400-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-19

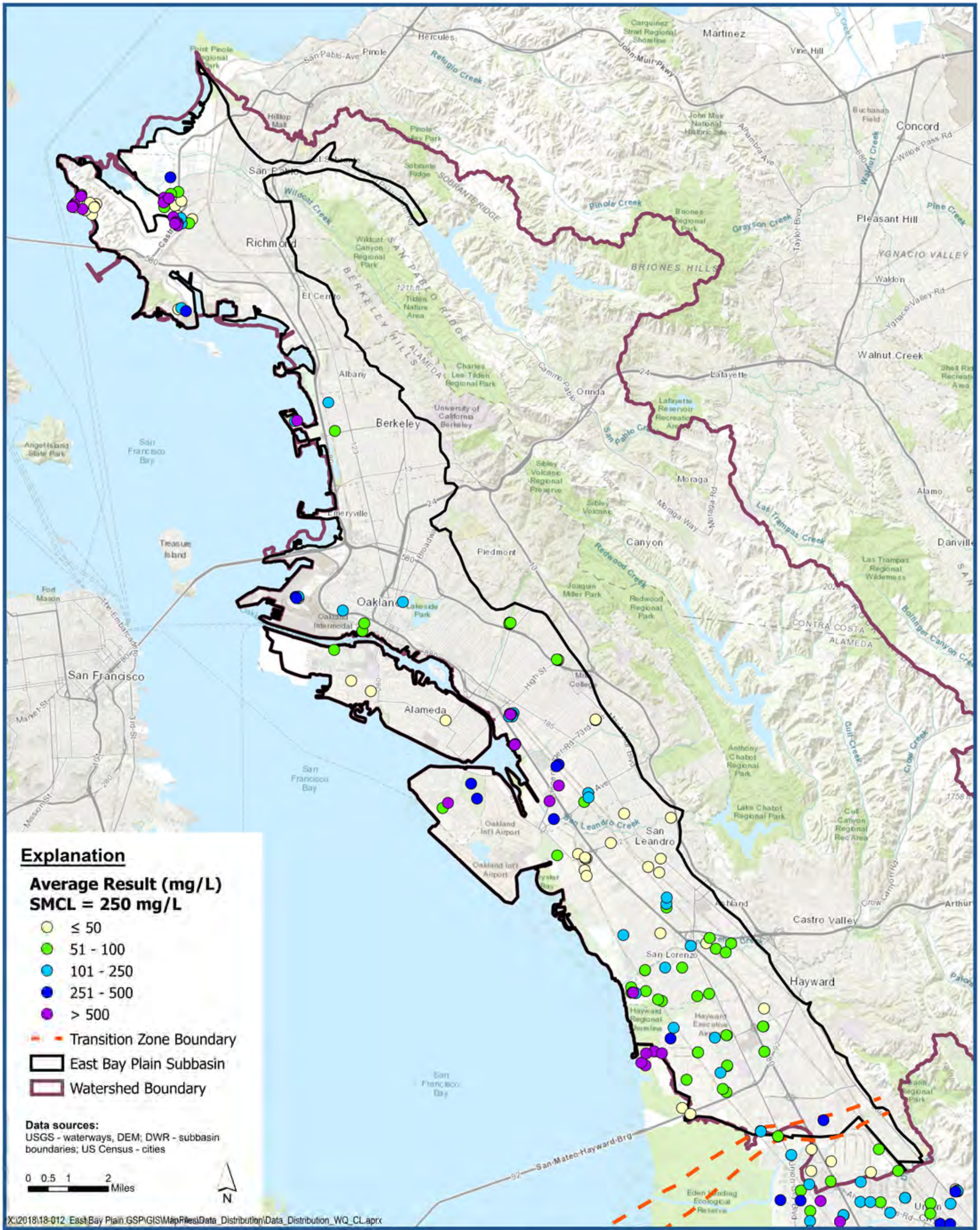


LSCE TEAM

Maximum Chloride (Cl) Measurement for Wells deeper than 400-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

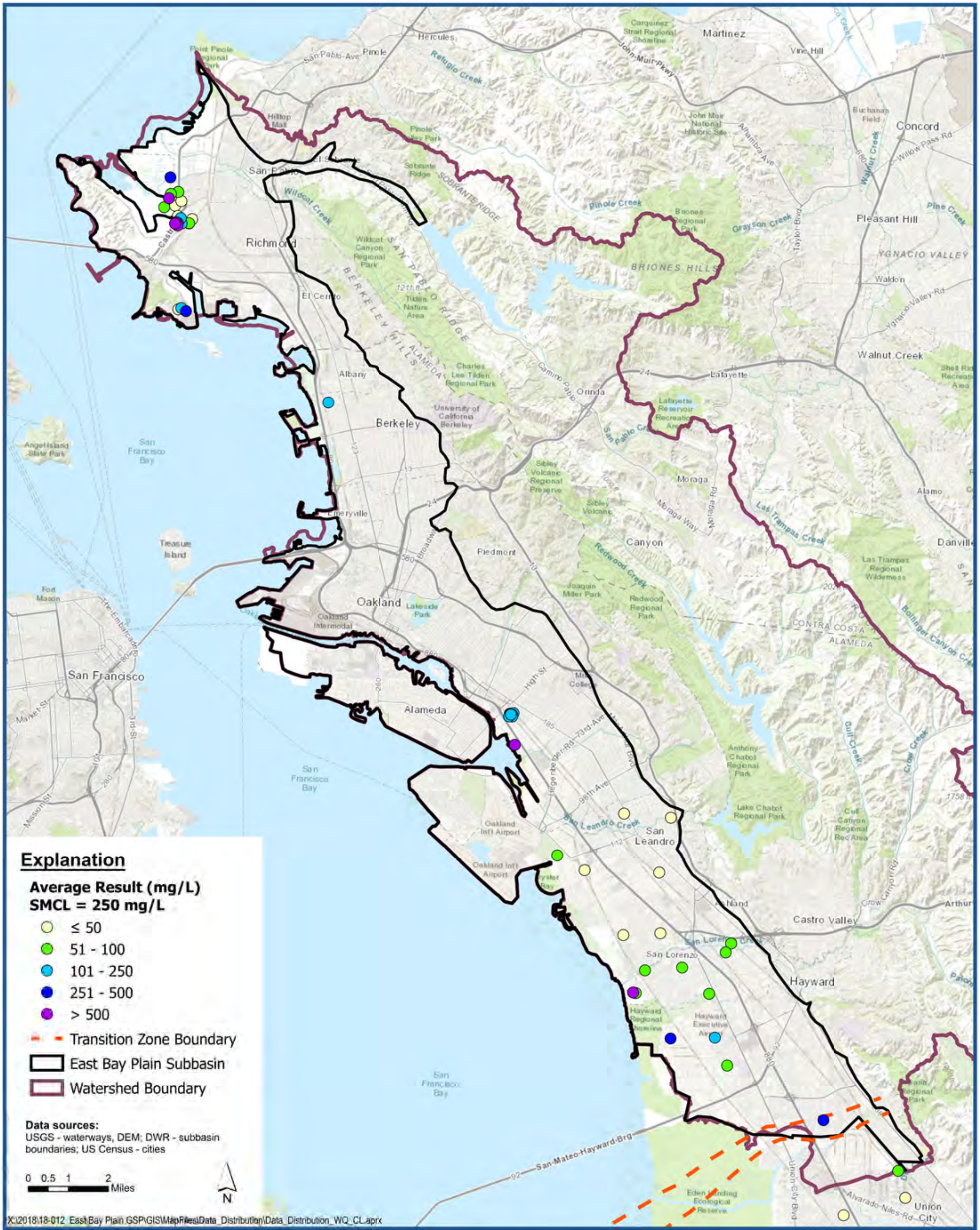
Figure F-20



Average Chloride (Cl) Measurement for Wells deeper than 50-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-21

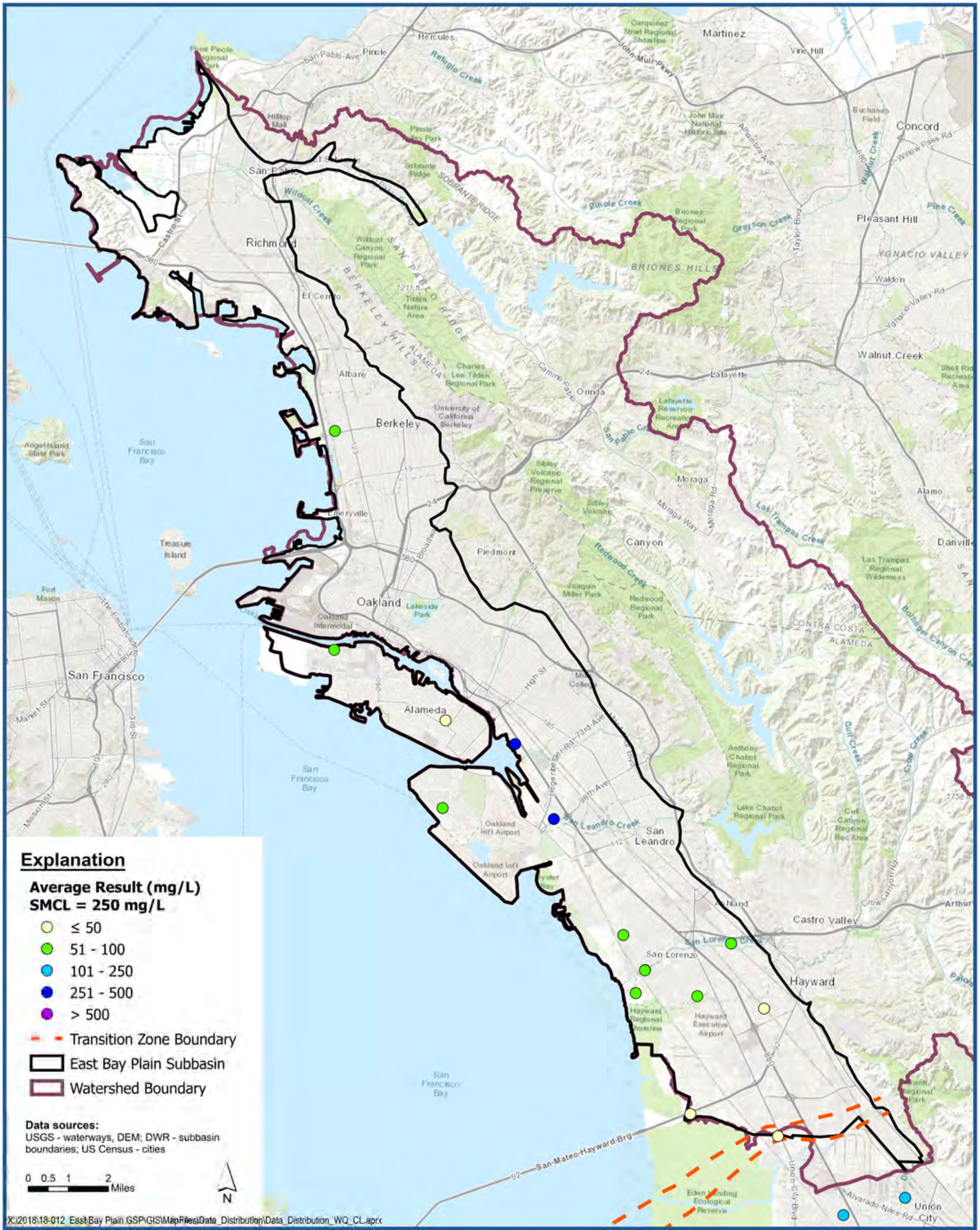


Average Chloride (Cl) Measurement for Wells 50 to 200-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

LSCE TEAM

Figure F-22

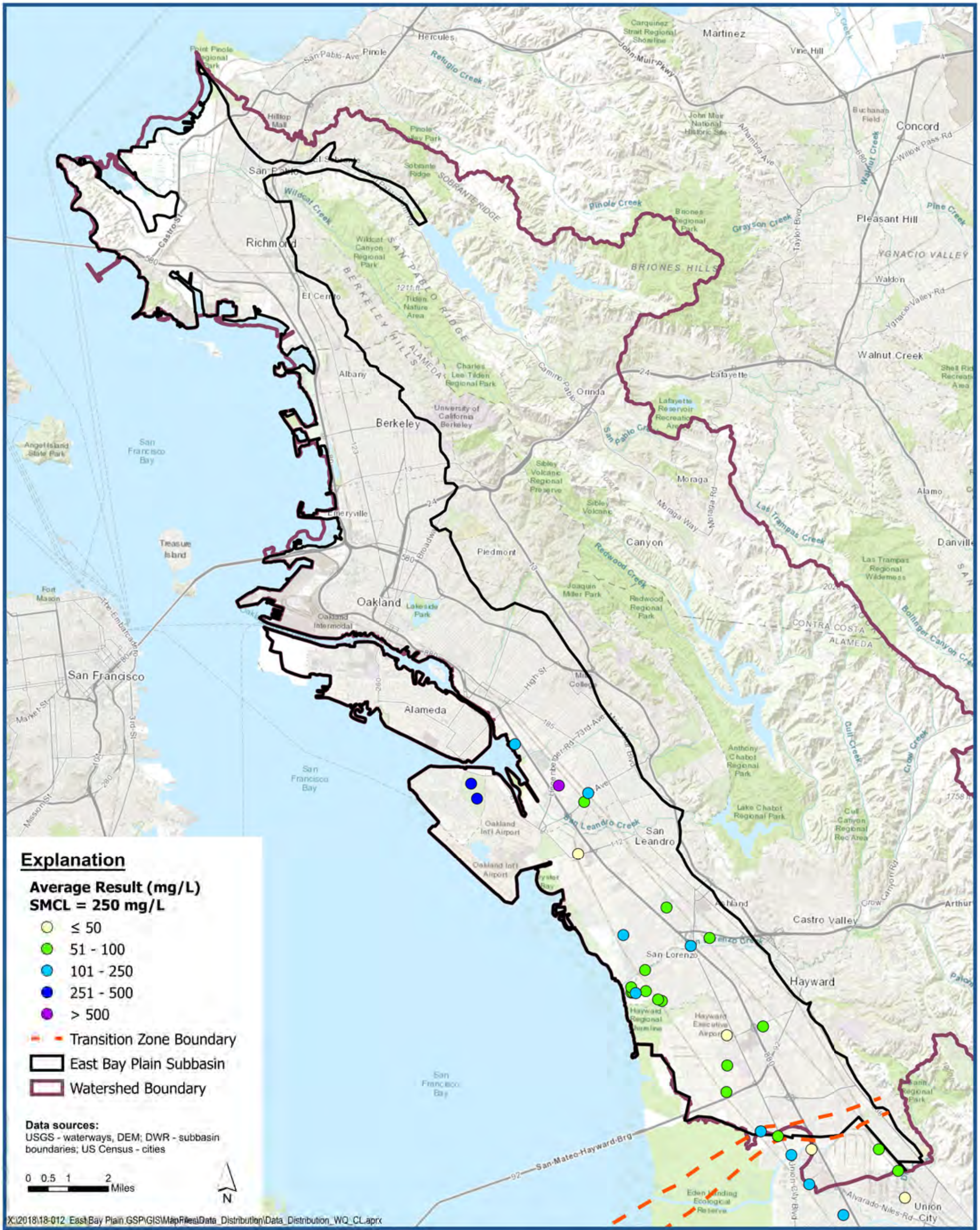


LSCE TEAM

Average Chloride (Cl) Measurement for Wells 200 to 400-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-23



LSCE TEAM

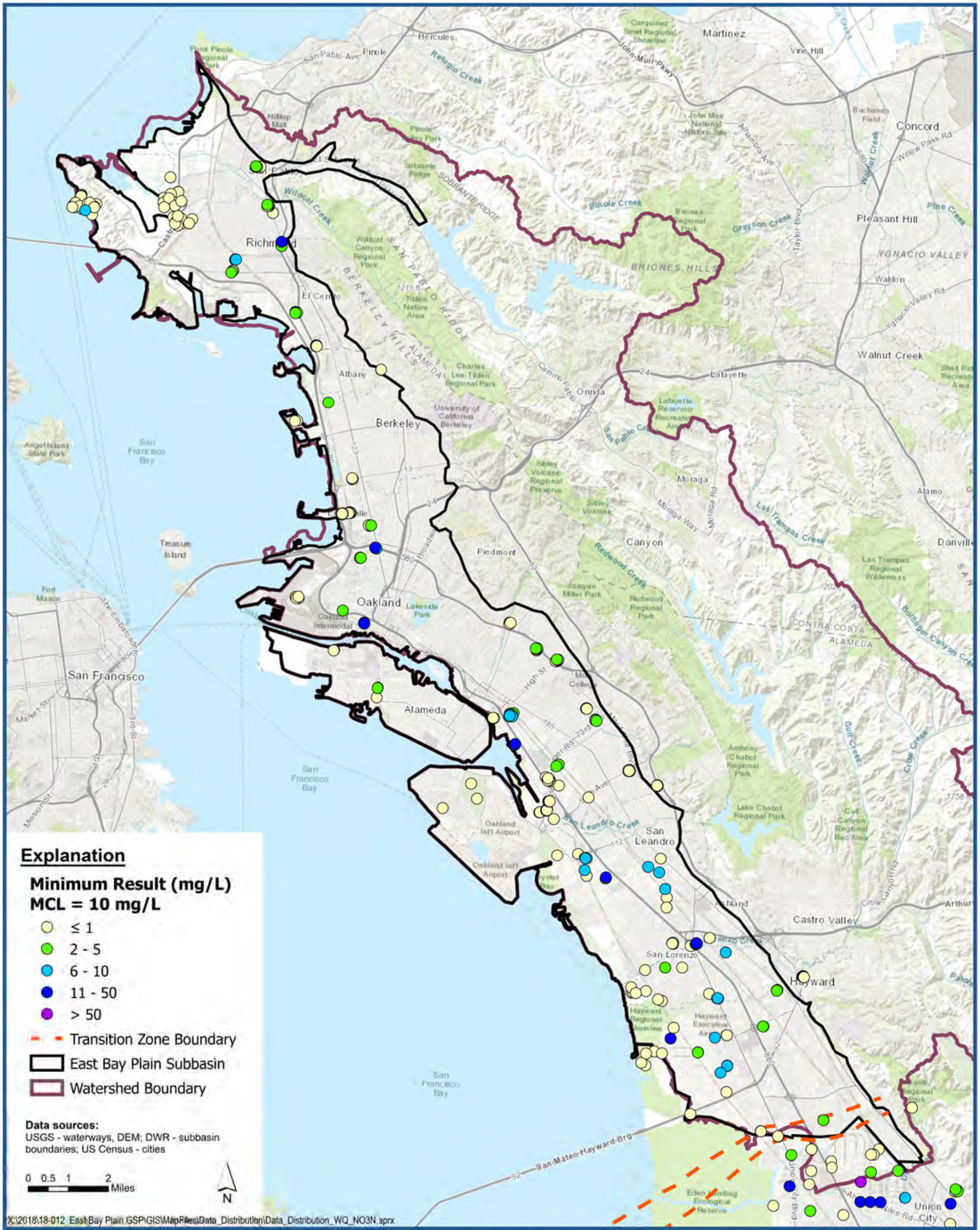
Average Chloride (Cl) Measurement for Wells deeper than 400-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-24

Section F-3

Nitrate Maps



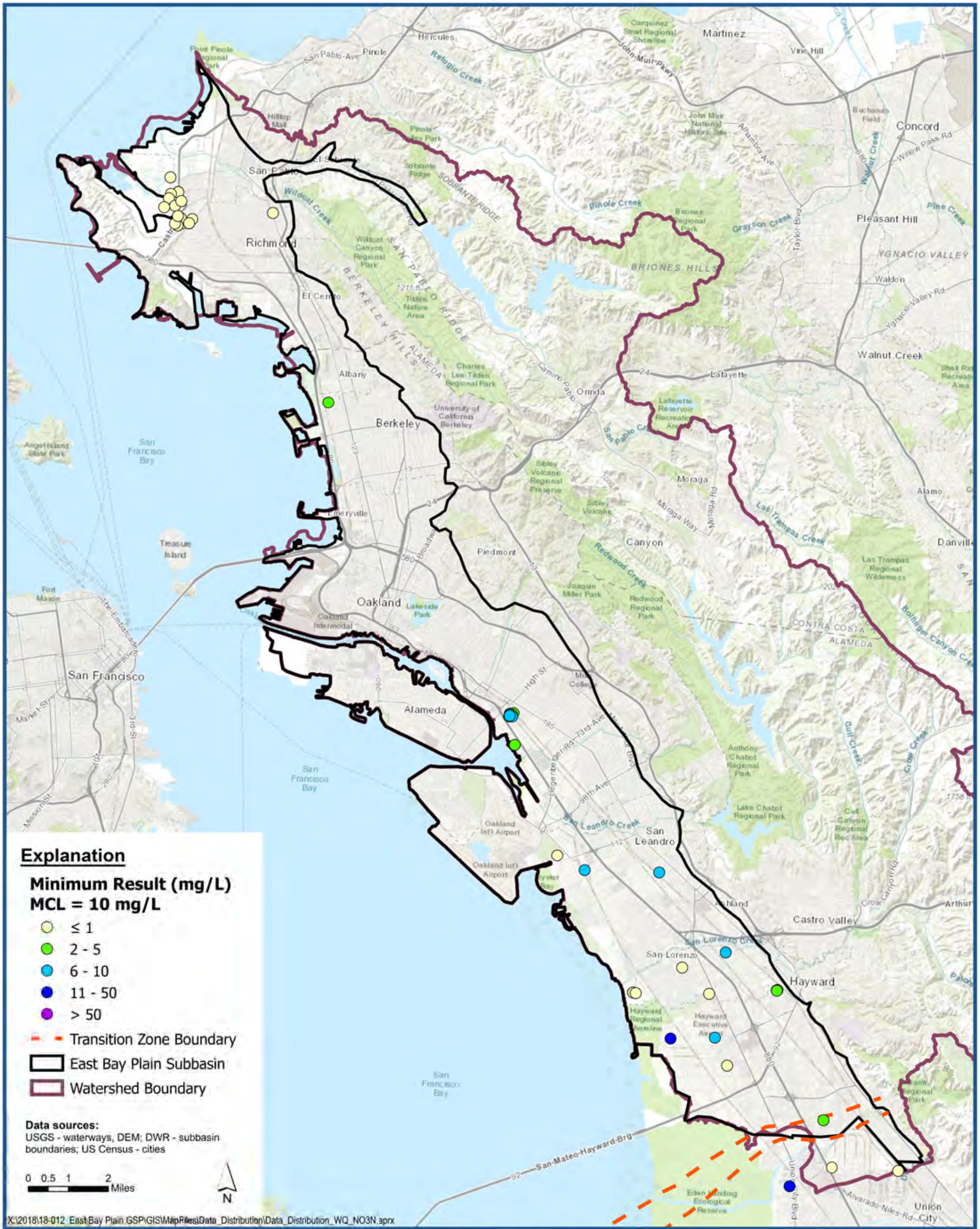
X:\2018\18-012 East Bay Plain GSP\GIS\MapFiles\Data_Distribution\Data_Distribution_WQ_NO3N.aprx

LSCE TEAM

Minimum Nitrate (NO3N) Measurement for Wells deeper than 50-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-25

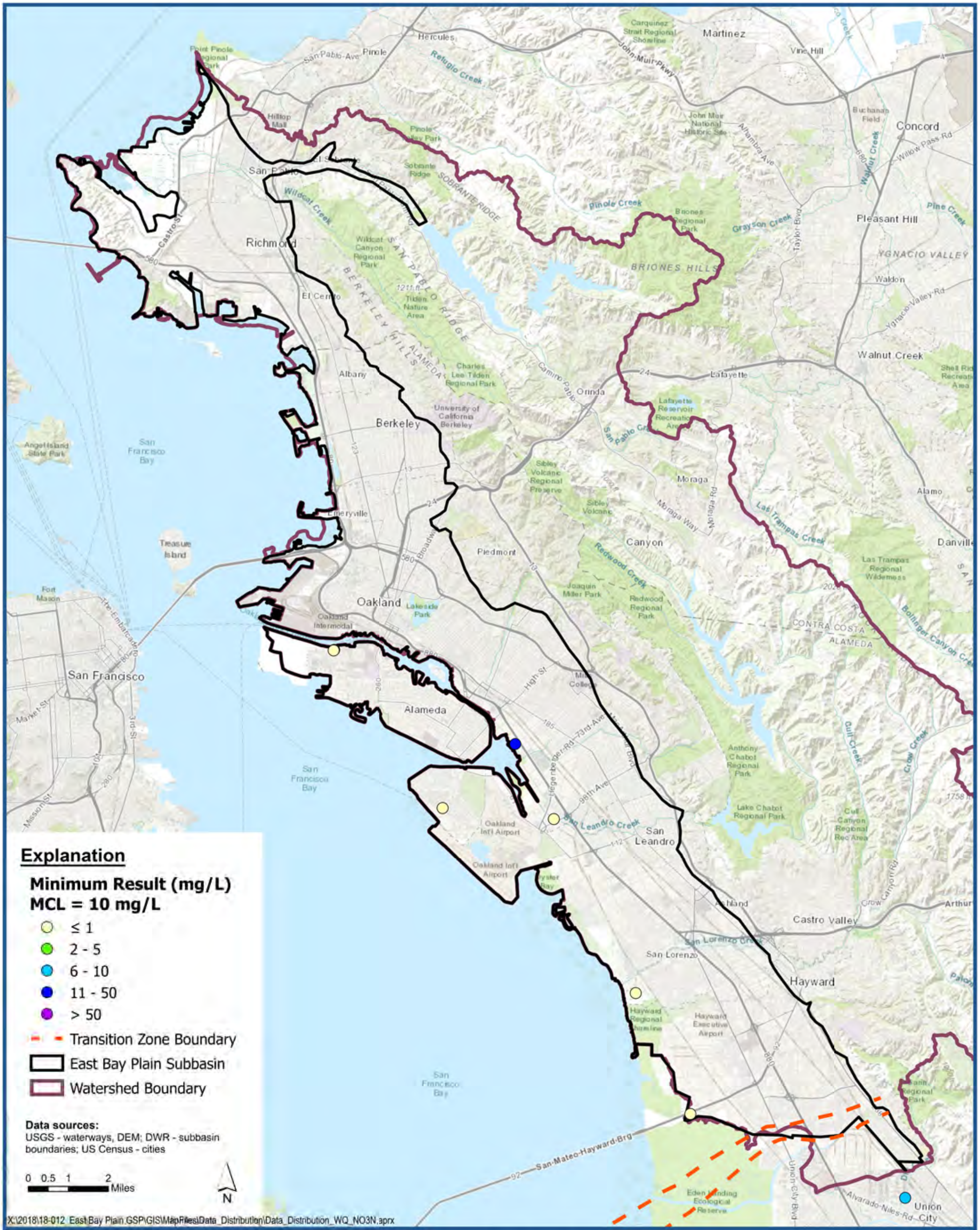


Minimum Nitrate (NO3N) Measurement for Wells 50 to 200-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-26

LSCE TEAM

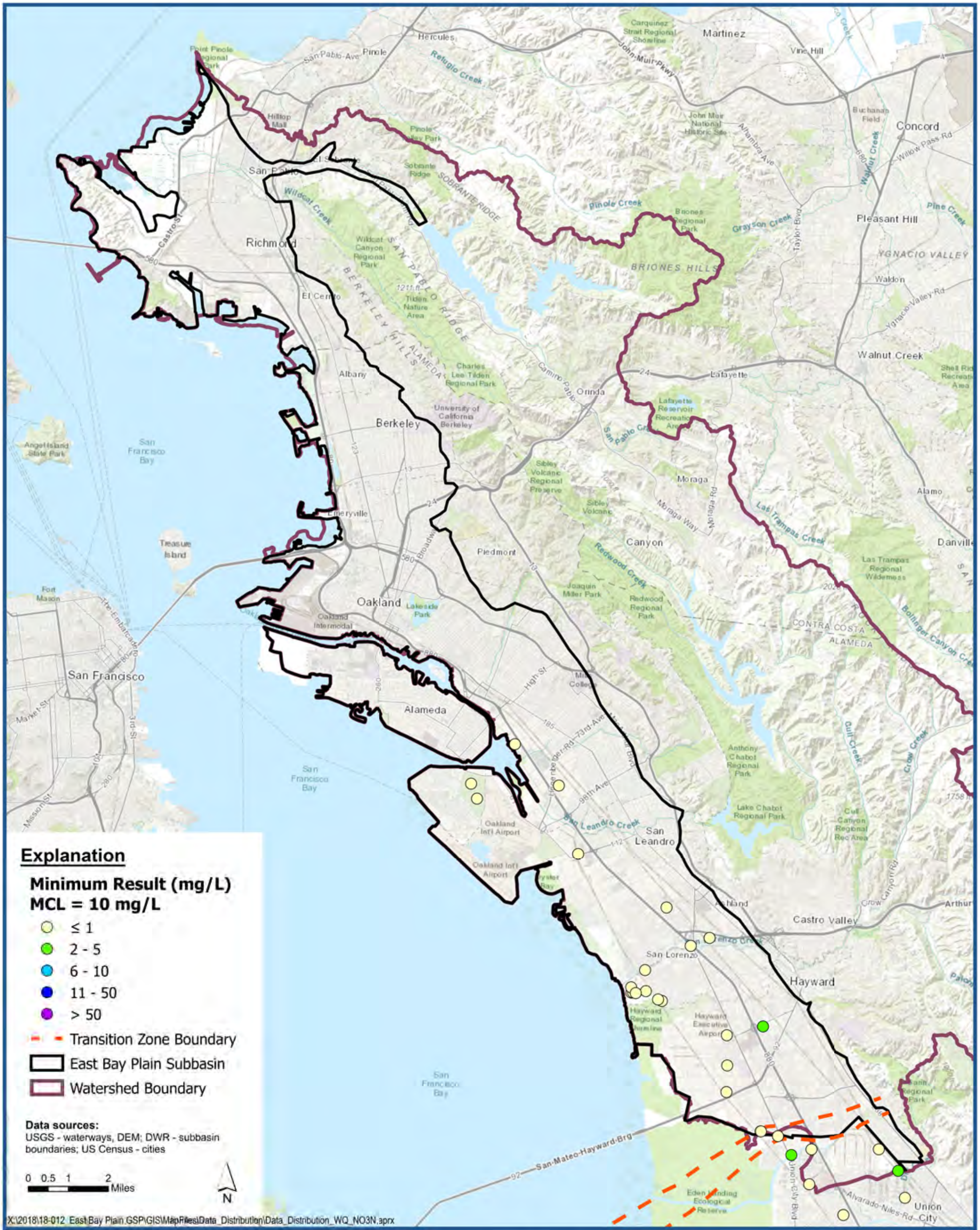


LSCE TEAM

Minimum Nitrate (NO3N) Measurement for Wells 200 to 400-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-27

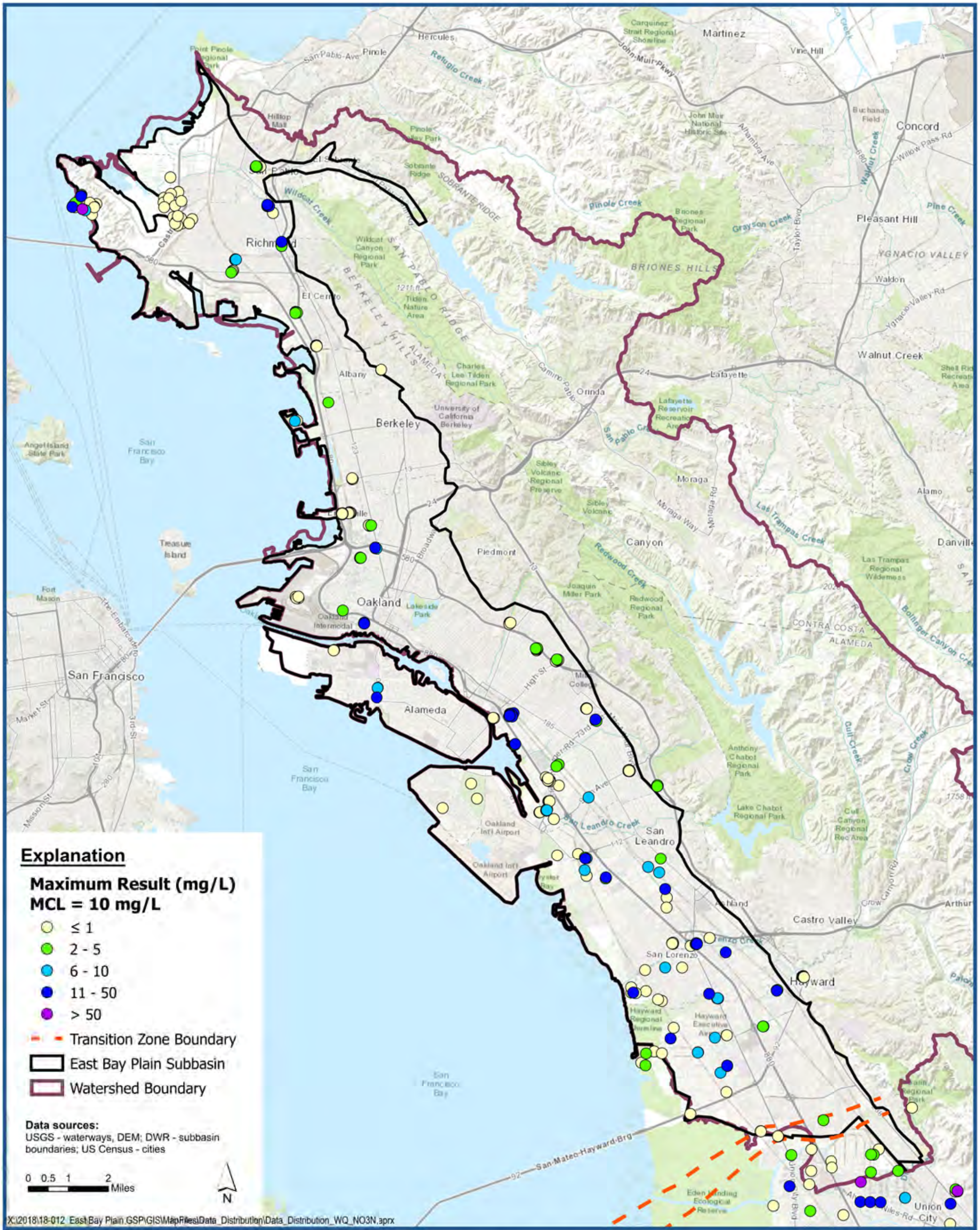


Minimum Nitrate (NO3N) Measurement for Wells deeper than 400-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-28

LSCE TEAM

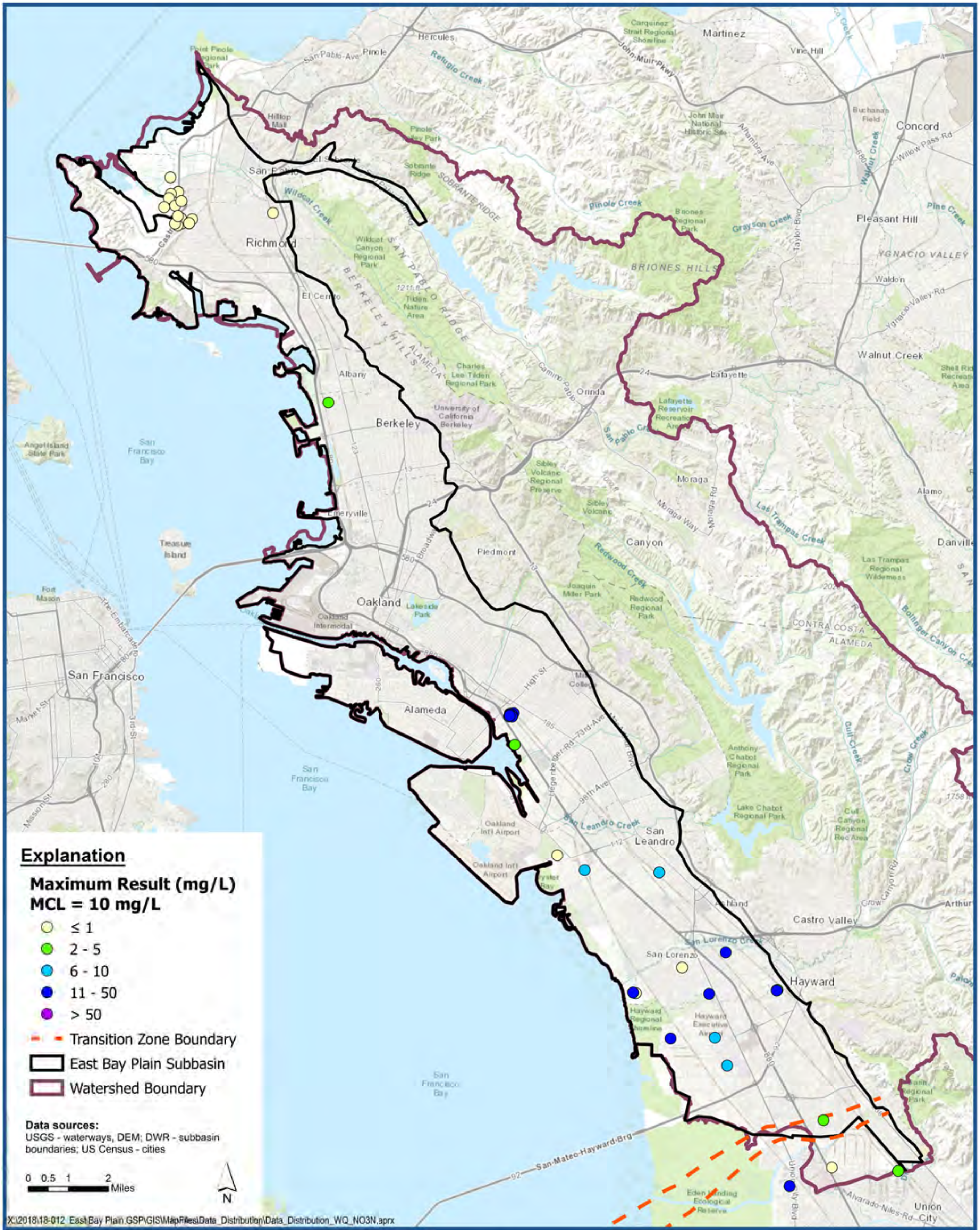


LSCE TEAM

Maximum Nitrate (NO3N) Measurement for Wells deeper than 50-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-29

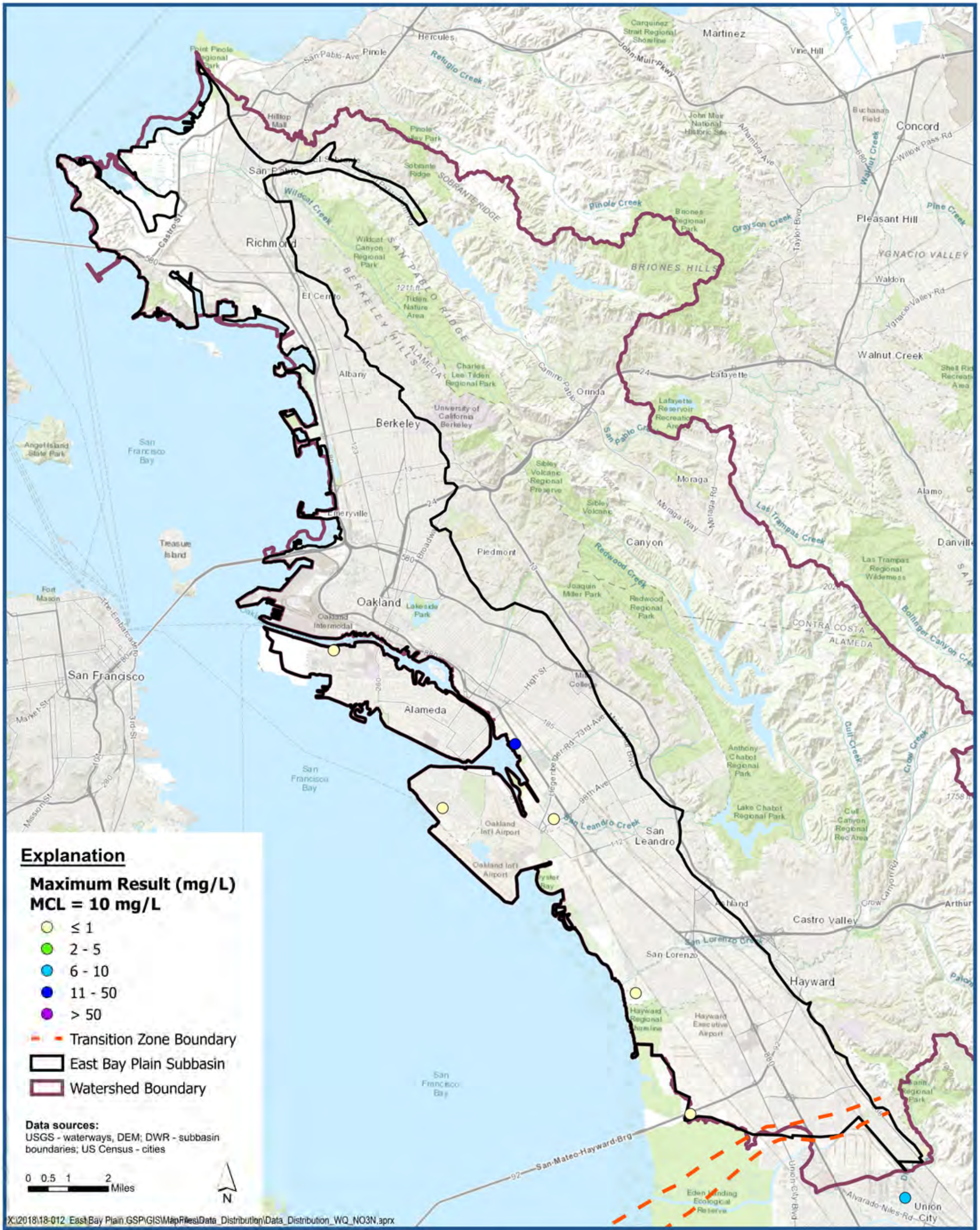


Maximum Nitrate (NO3N) Measurement for Wells 50 to 200-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-30

LSCE TEAM

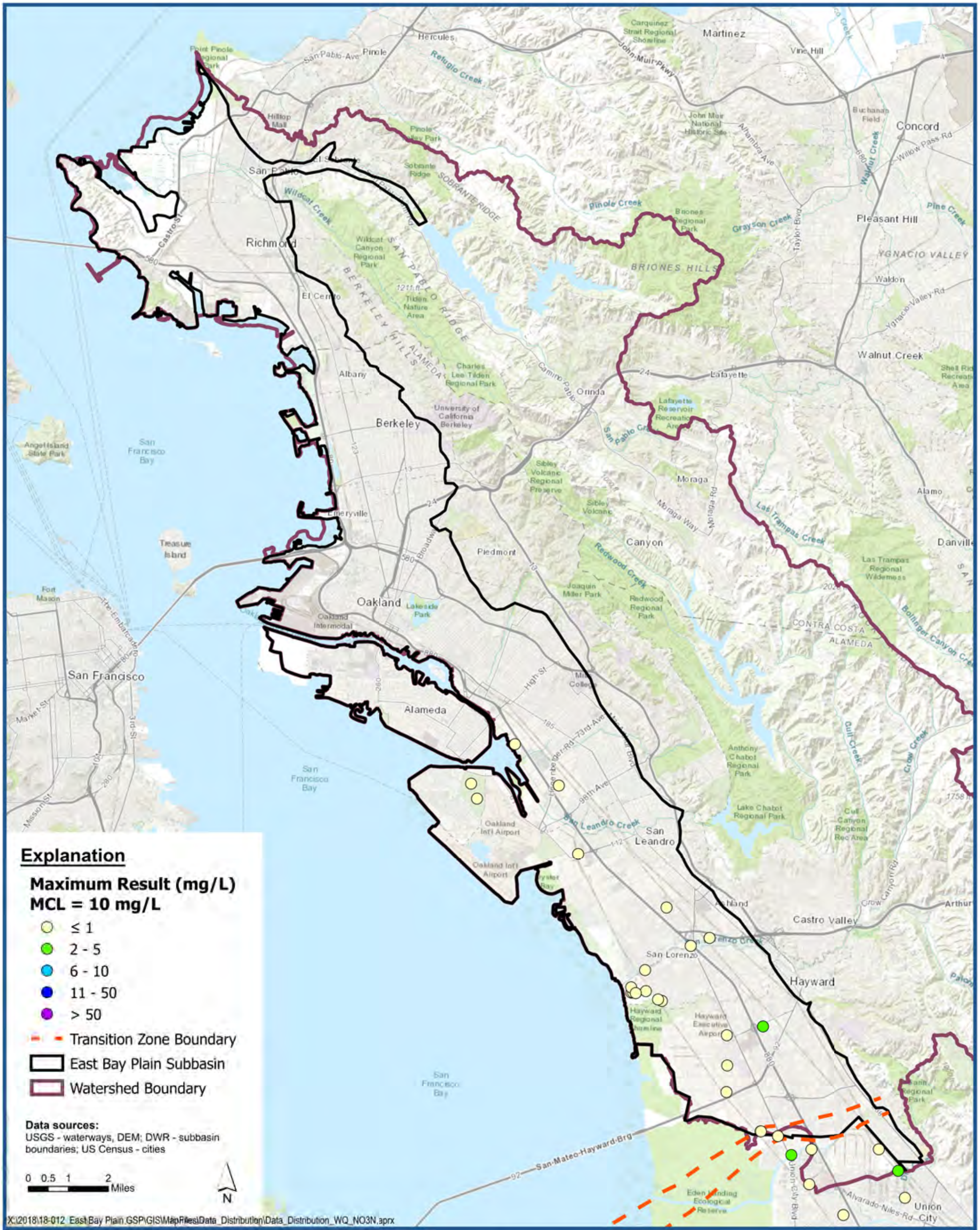


LSCE TEAM

Maximum Nitrate (NO3N) Measurement for Wells 200 to 400-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-31

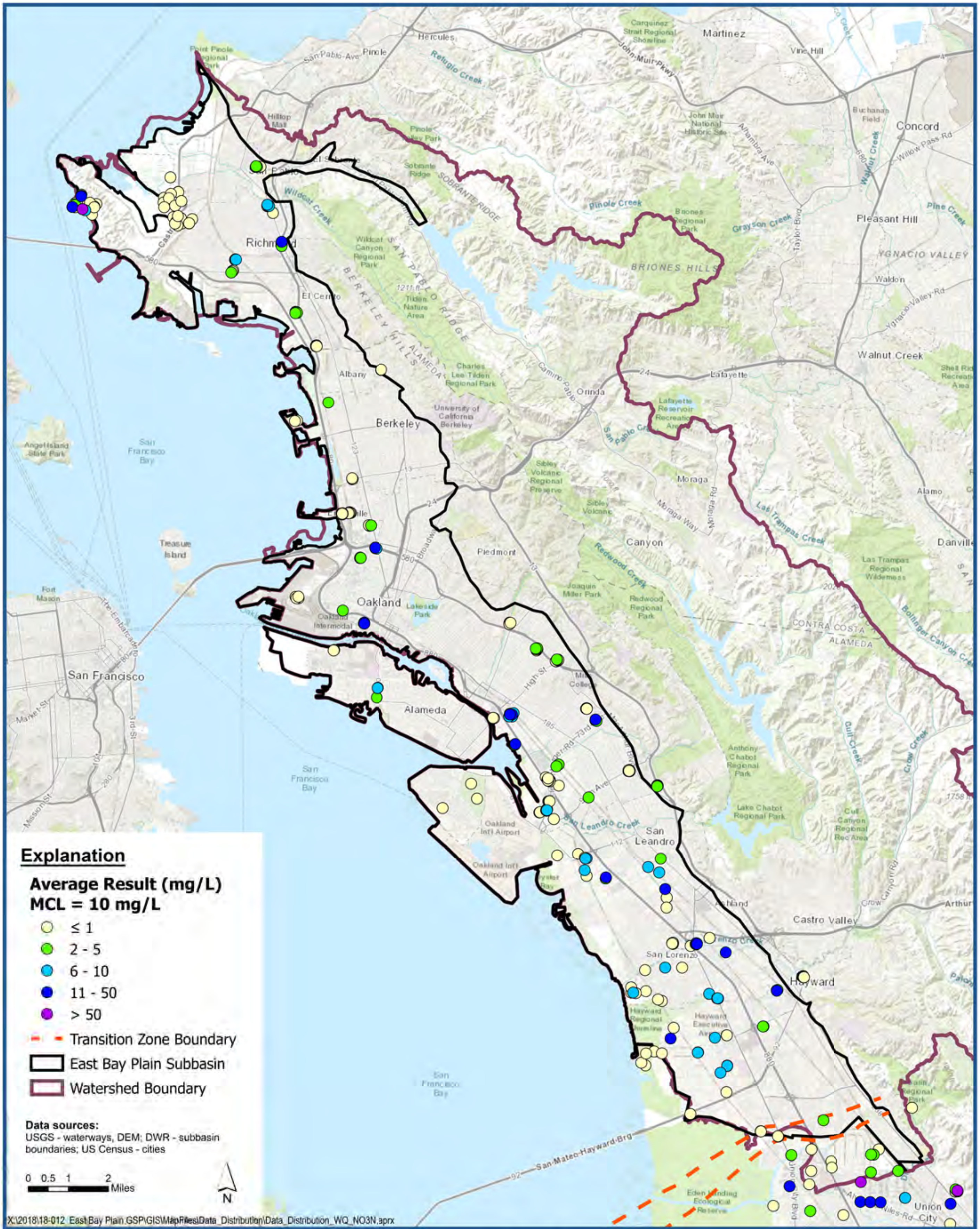


LSCE TEAM

Maximum Nitrate (NO3N) Measurement for Wells deeper than 400-feet

East Bay Plain Subbasin Groundwater Sustainability Plan

Figure F-32

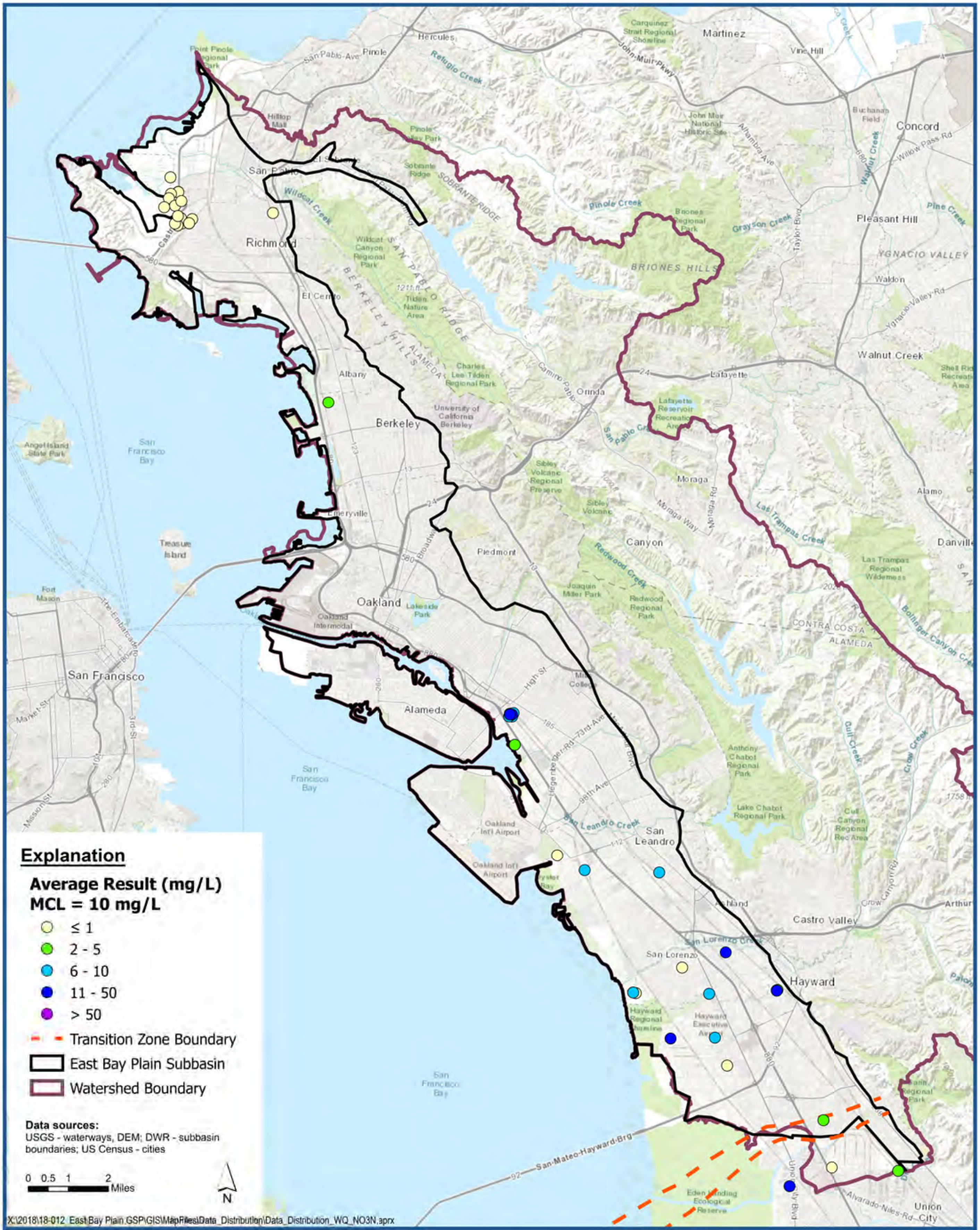


LSCE TEAM

Average Nitrate (NO3N) Measurement for Wells deeper than 50-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-33

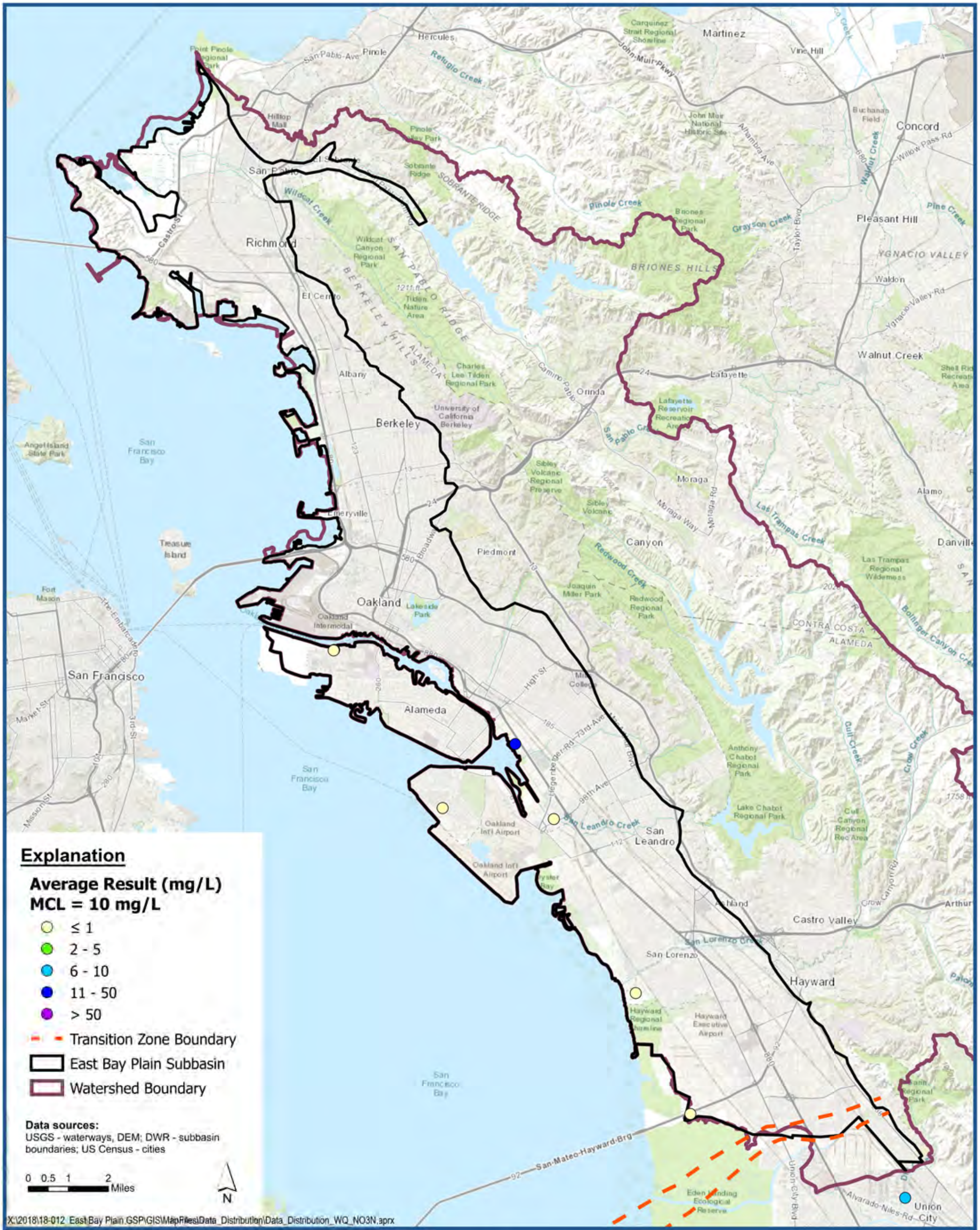


LSCE TEAM

Average Nitrate (NO3N) Measurement for Wells 50 to 200-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-34

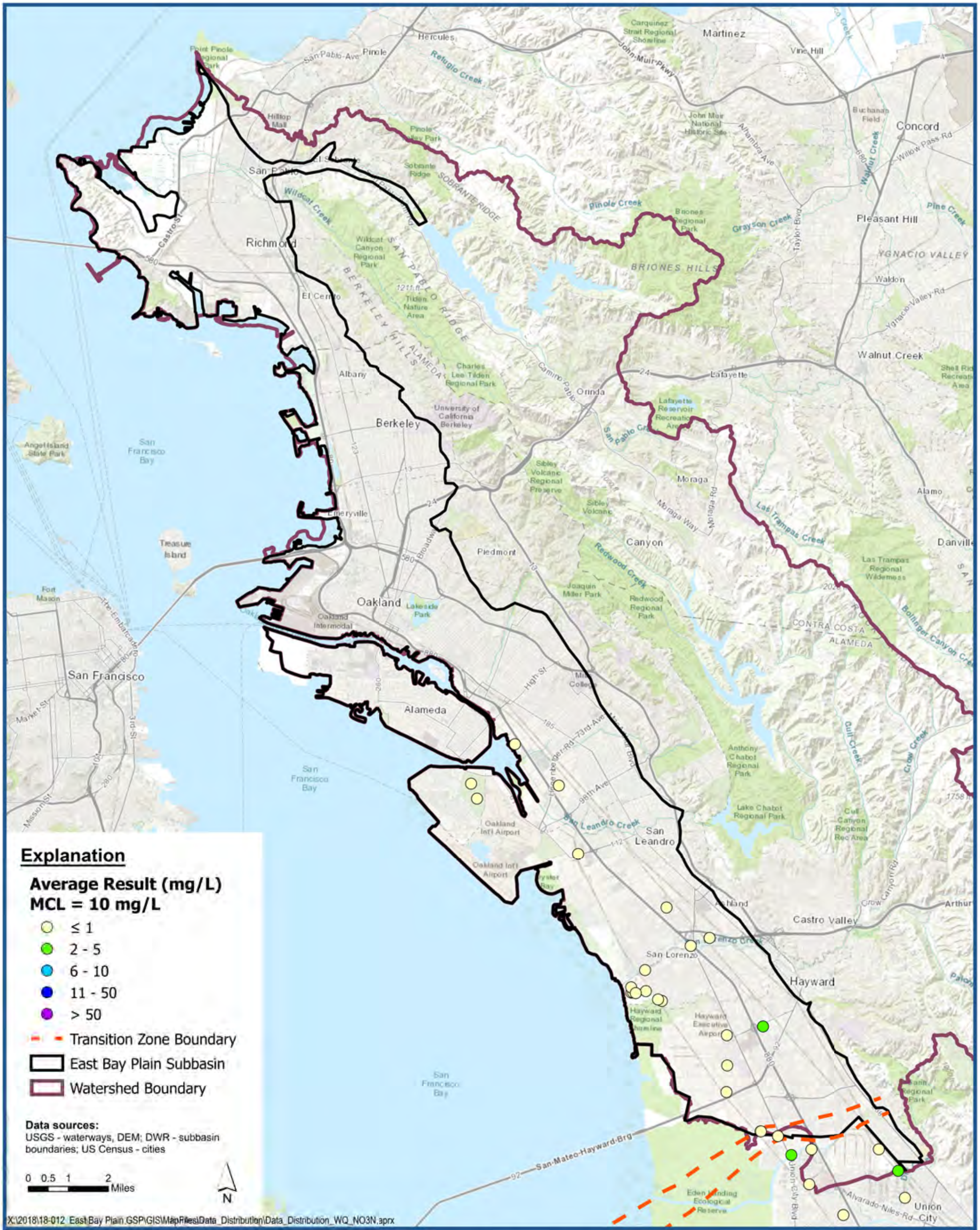


LSCE TEAM

Average Nitrate (NO3N) Measurement for Wells 200 to 400-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-35



LSCE TEAM

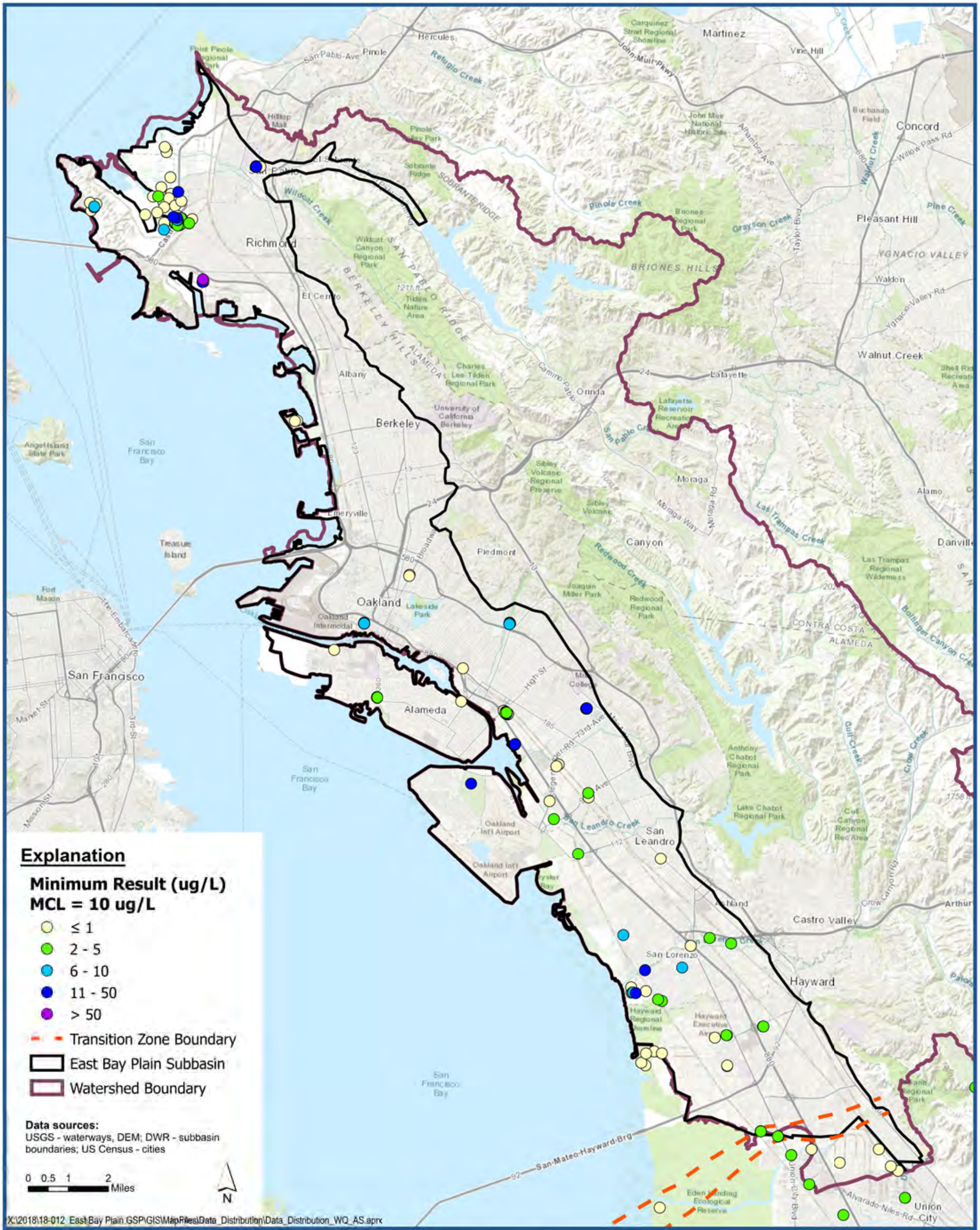
Average Nitrate (NO3N) Measurement for Wells deeper than 400-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-36

Section F-4

Arsenic Maps

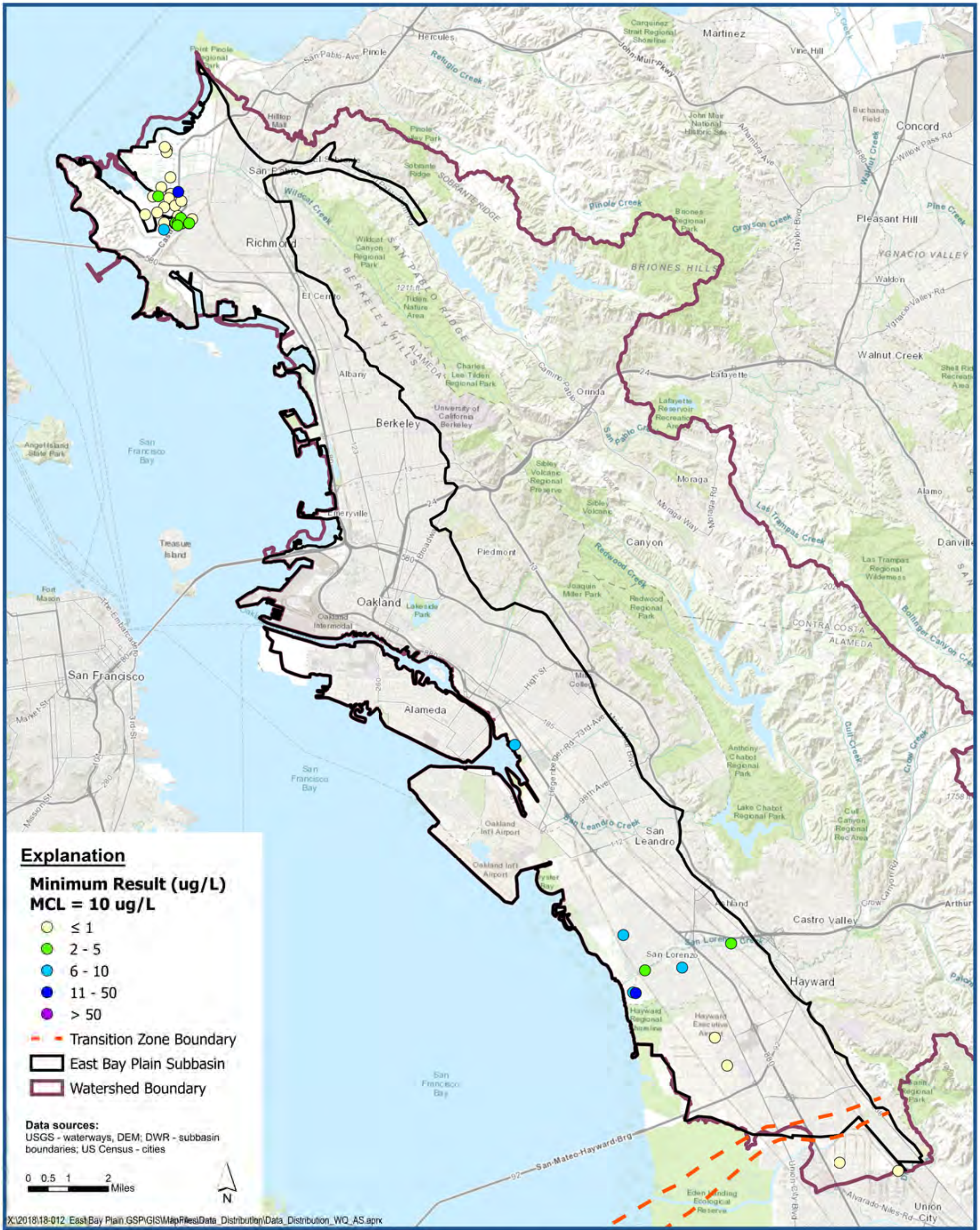


LSCE TEAM

Minimum Arsenic (As) Measurement for Wells deeper than 50-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-37



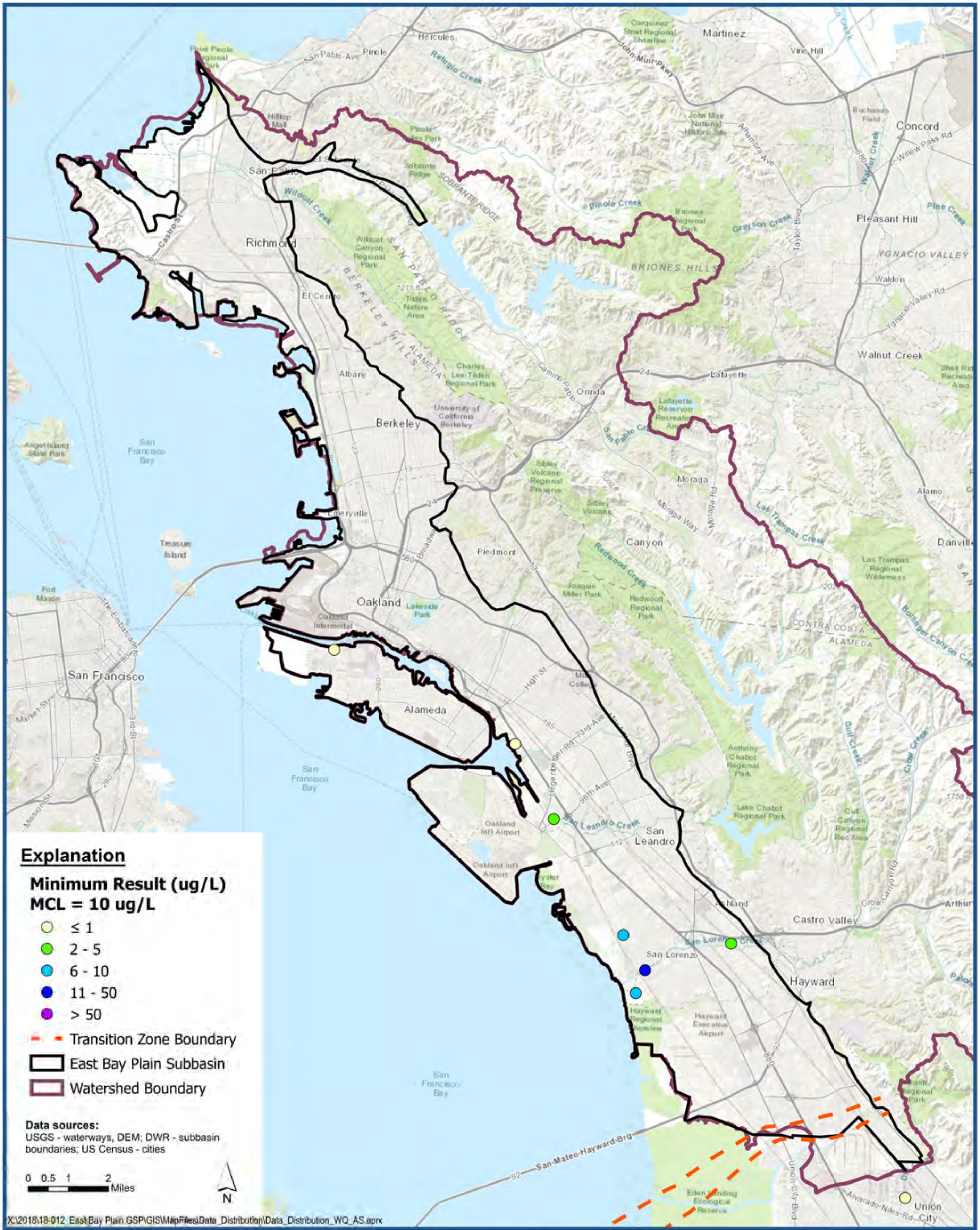
X:\2018\18-012 East Bay Plain GSP\GIS\MapFiles\Data_Distribution\Data_Distribution_WQ_AS.aprx

LSCE TEAM

Minimum Arsenic (As) Measurement for Wells 50 to 200-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-38

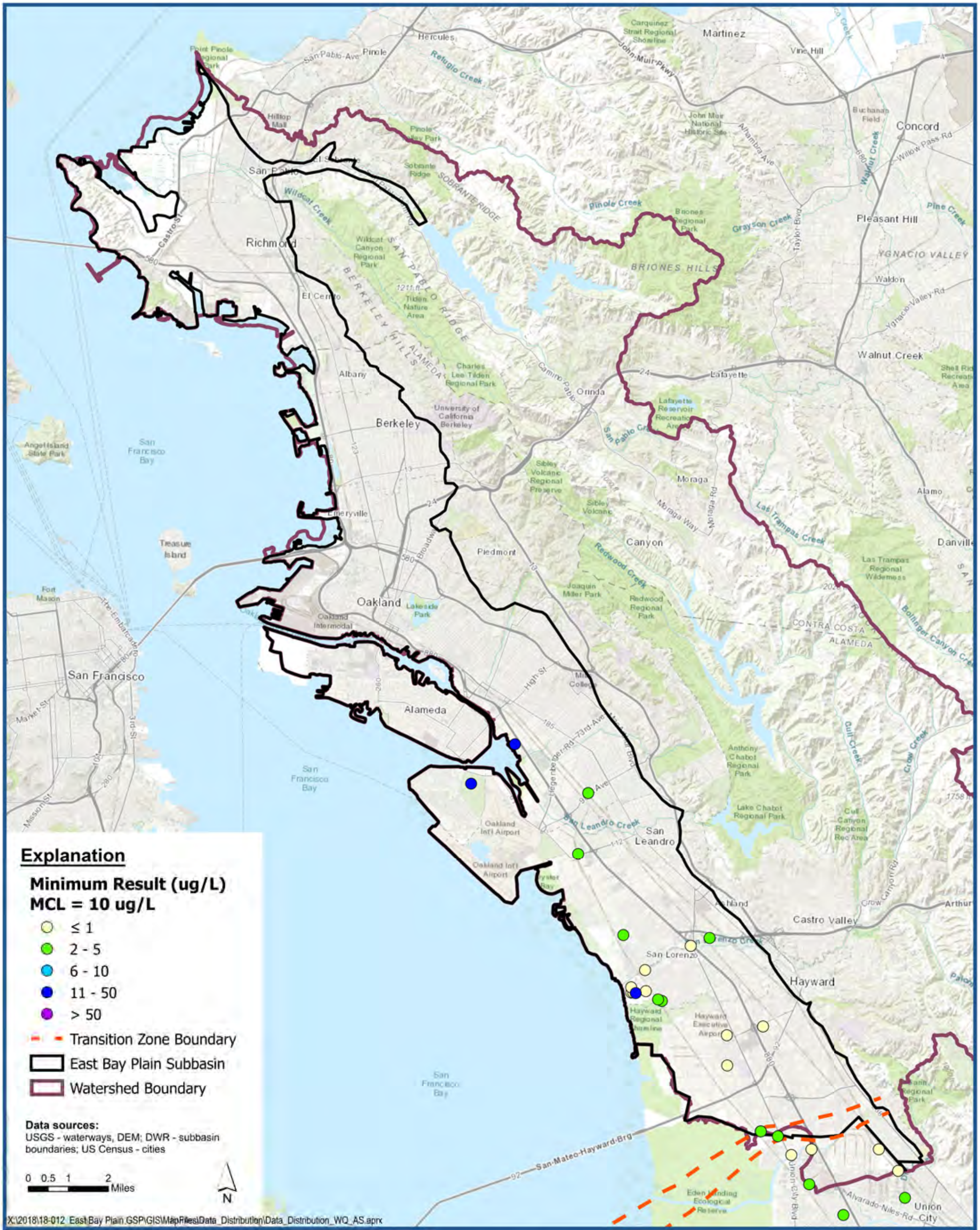


LSCE TEAM

Minimum Arsenic (As) Measurement for Wells 200 to 400-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-39

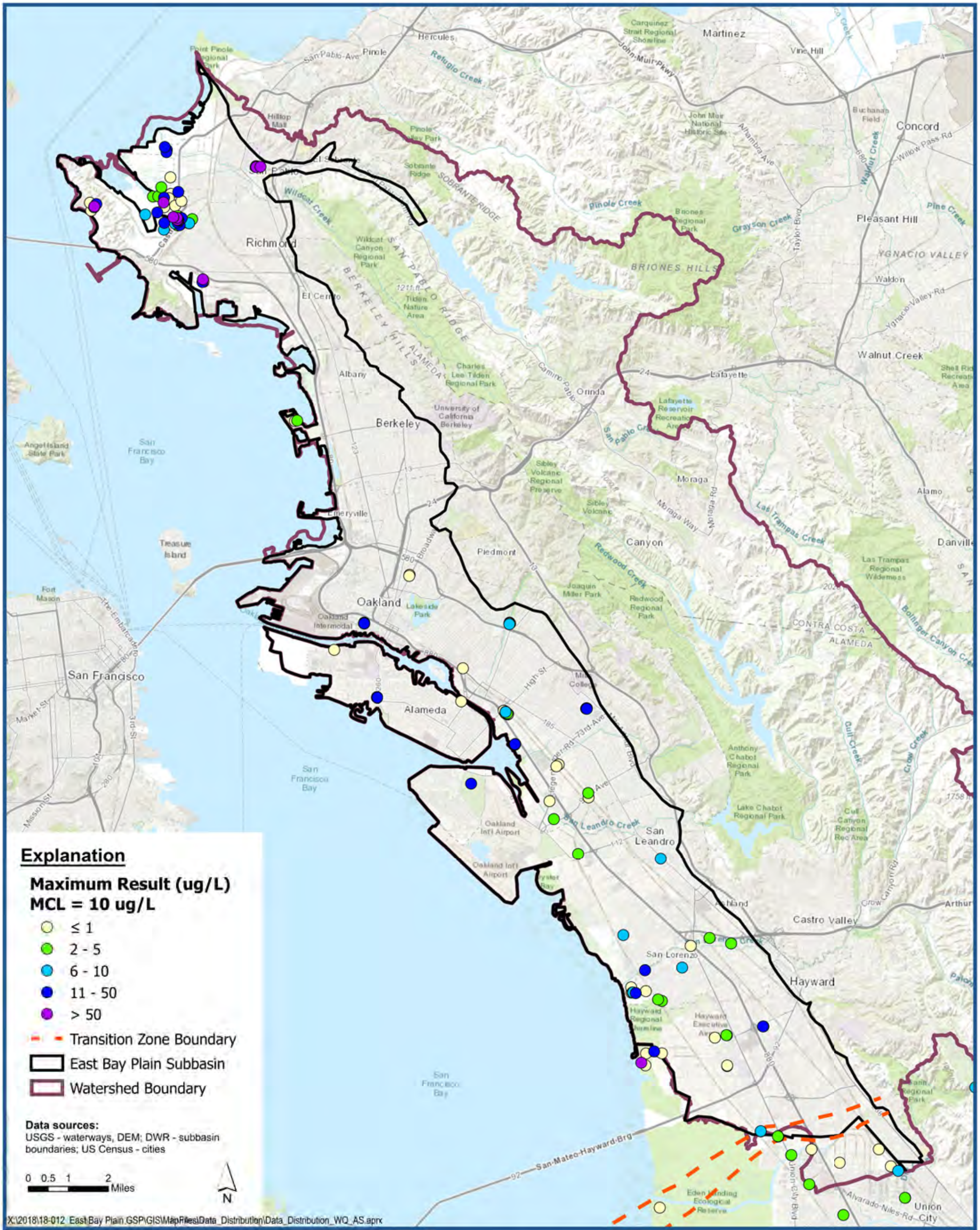


LSCE TEAM

Minimum Arsenic (As) Measurement for Wells deeper than 400-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-40

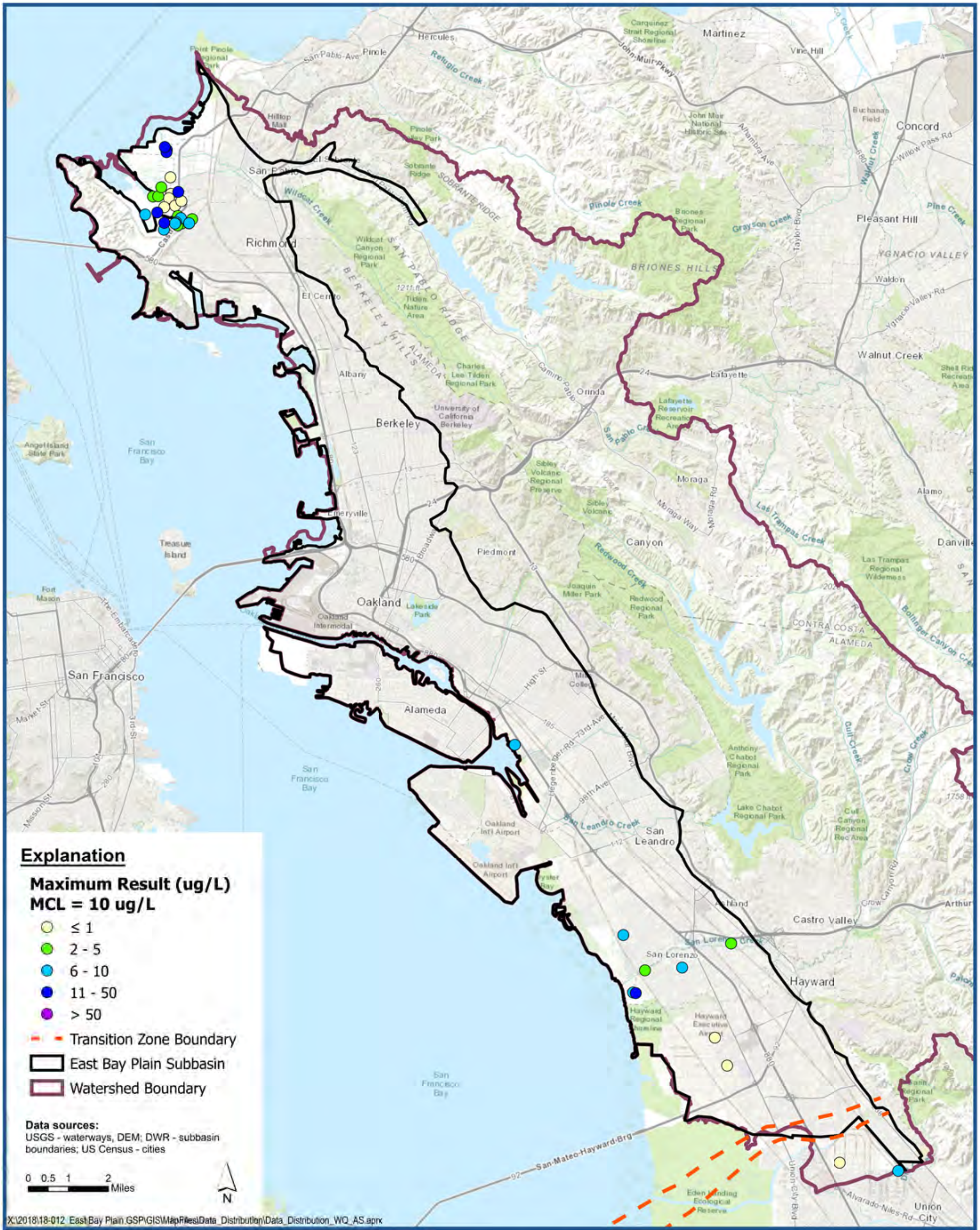


Maximum Arsenic (As) Measurement for Wells deeper than 50-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-41

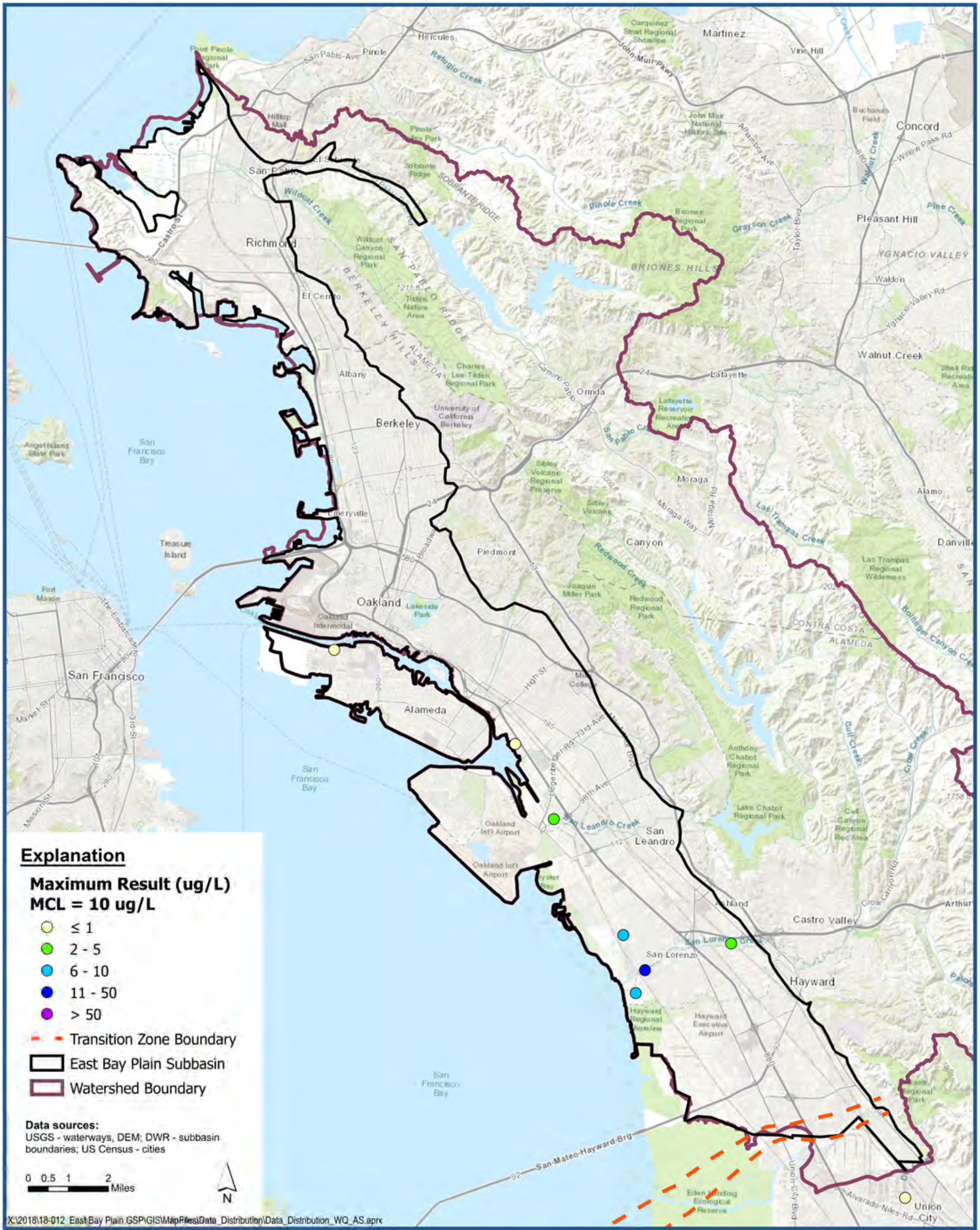
LSCE TEAM



Maximum Arsenic (As) Measurement for Wells 50 to 200-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-42

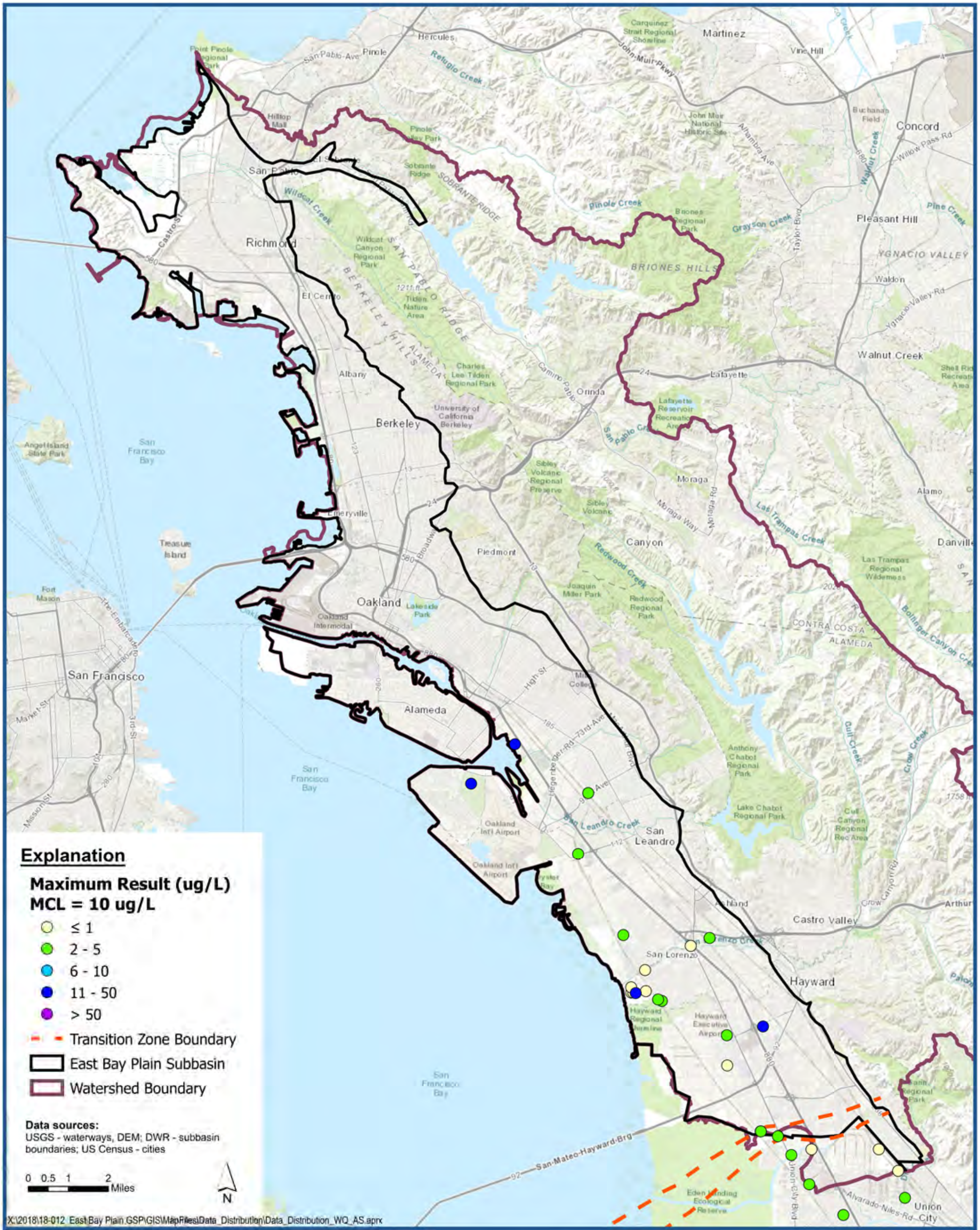


Maximum Arsenic (As) Measurement for Wells 200 to 400-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

LSCE TEAM

Figure F-43

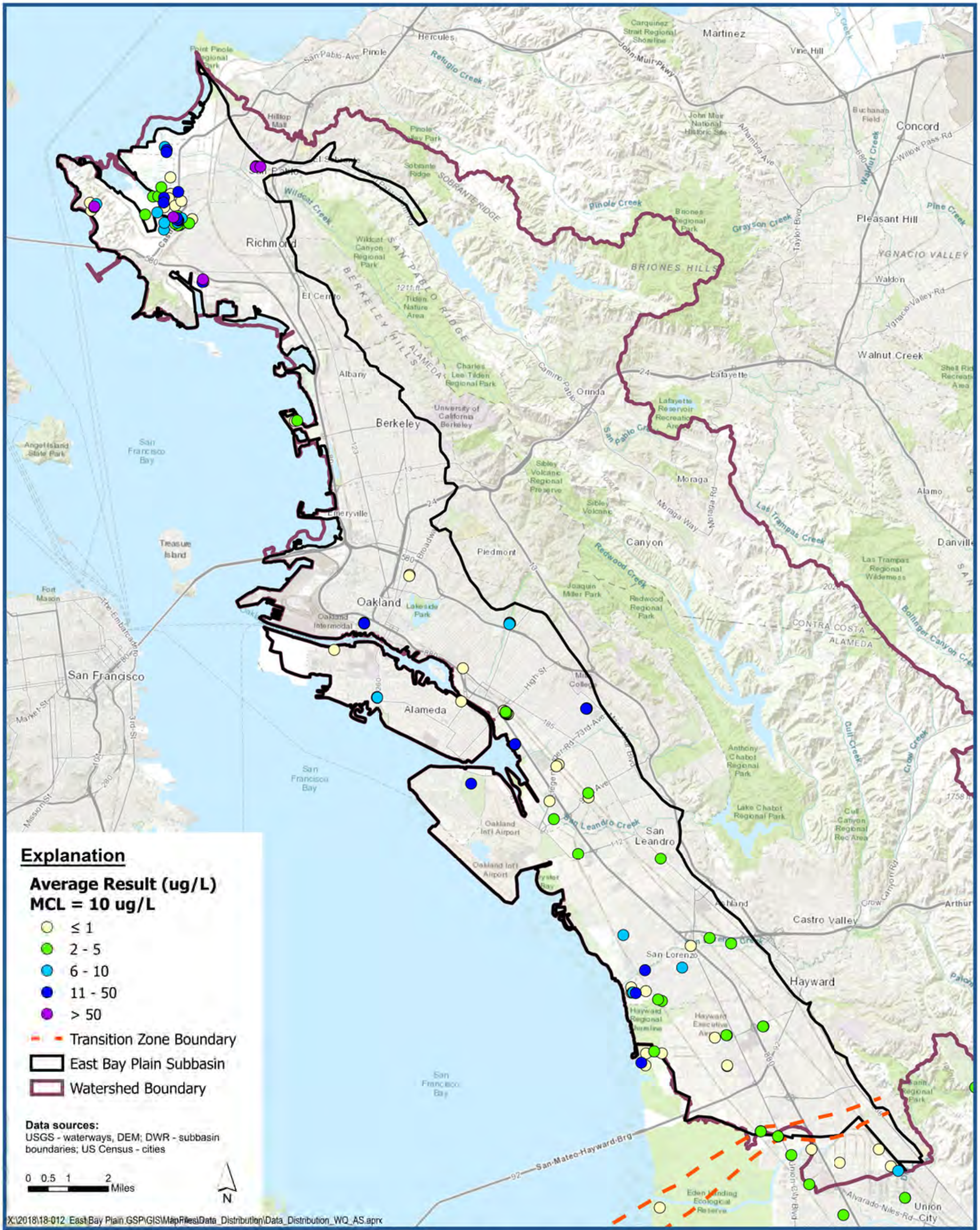


Maximum Arsenic (As) Measurement for Wells deeper than 400-feet

LSCE TEAM

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-44



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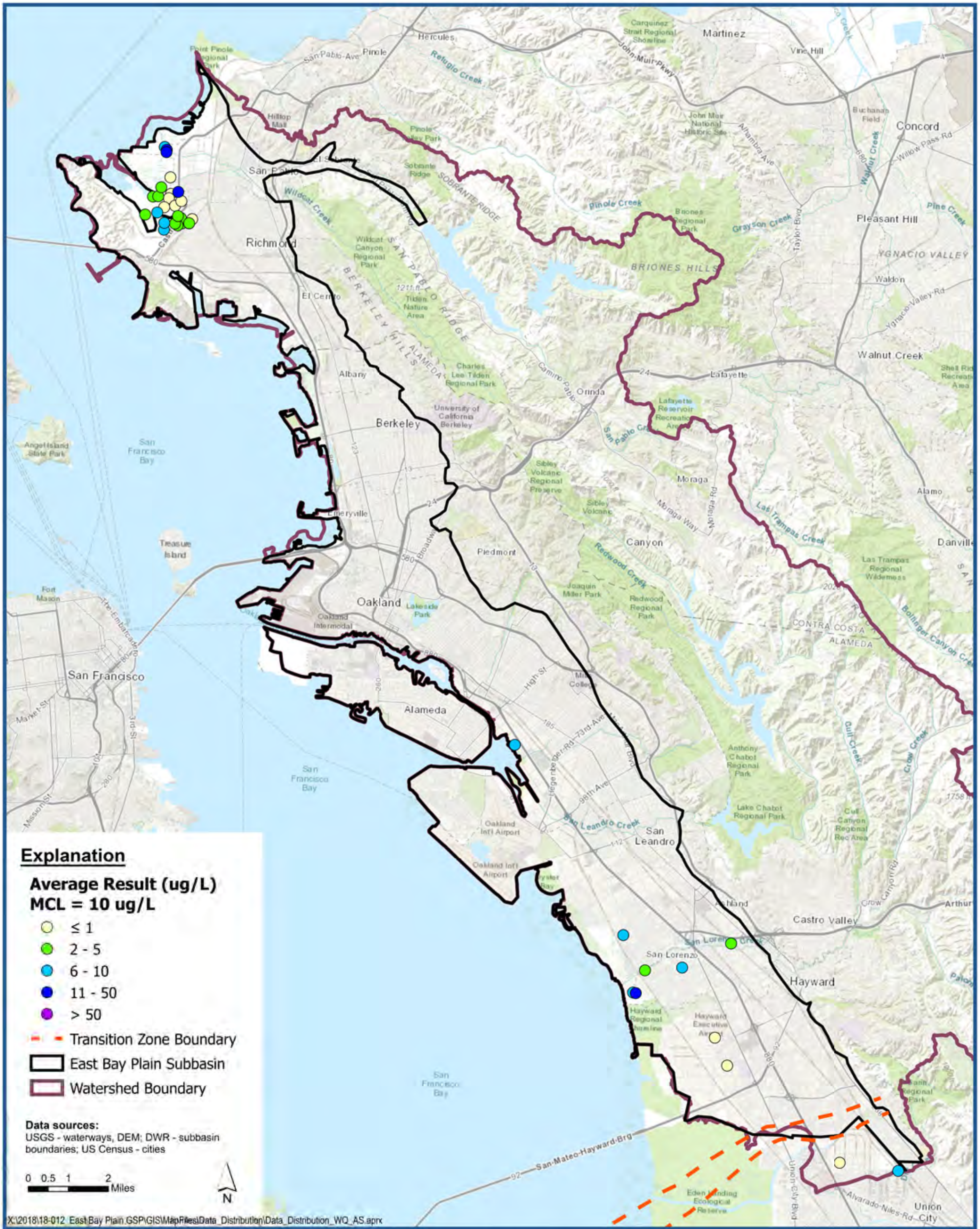
LSCE TEAM

Average Arsenic (As) Measurement for Wells deeper than 50-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-45

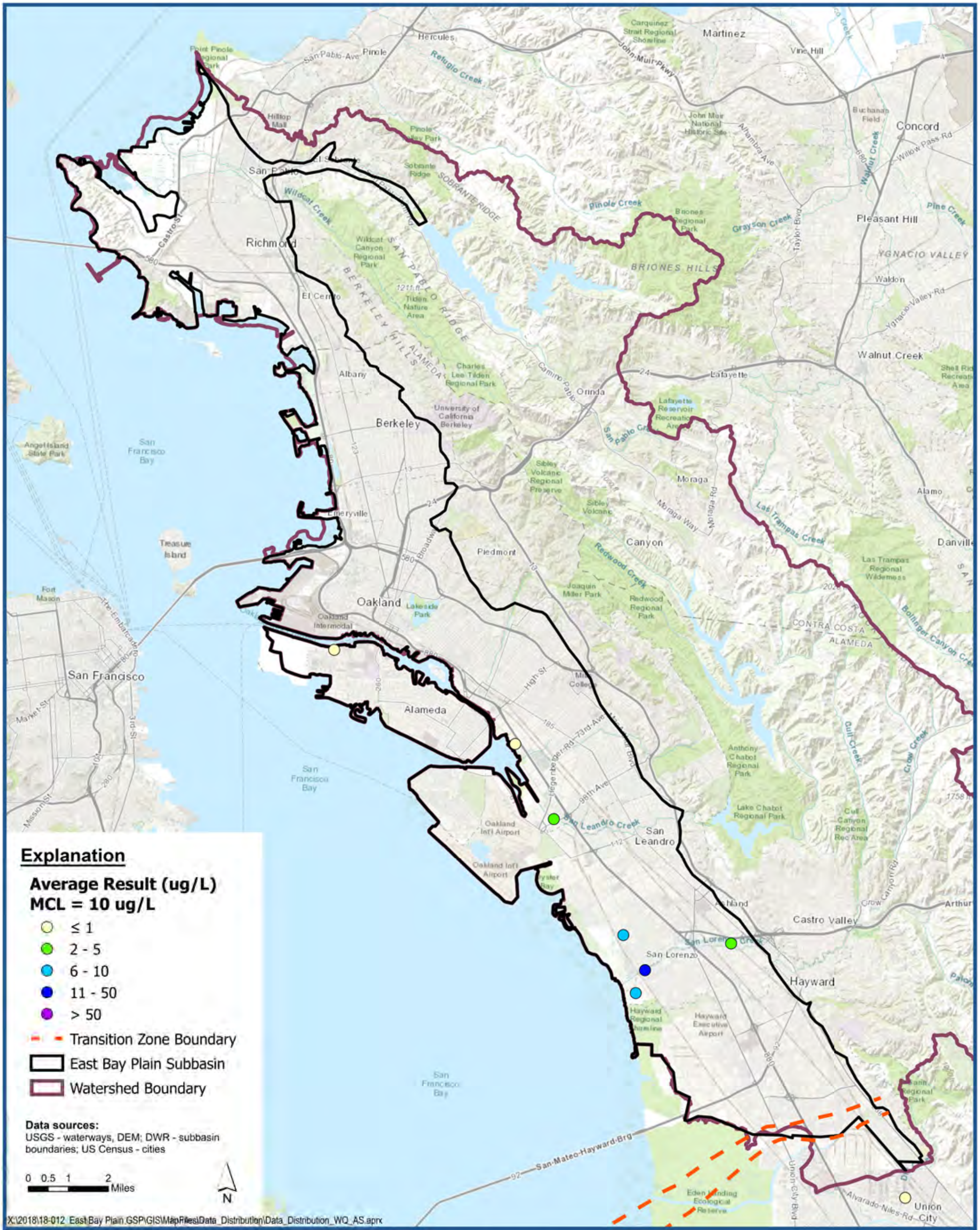


LSCE TEAM

Average Arsenic (As) Measurement for Wells 50 to 200-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-46



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

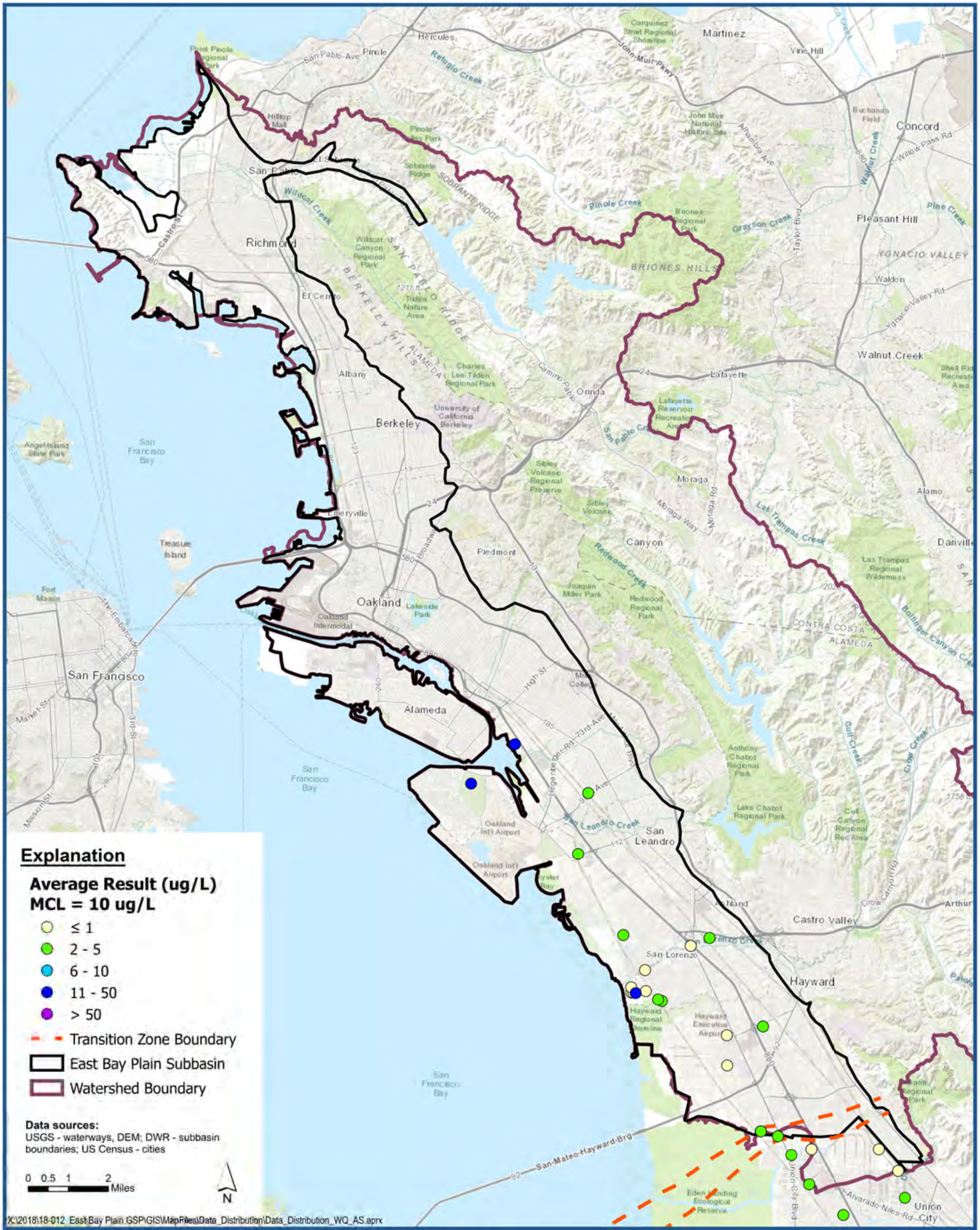
X:\2018\18-012 East Bay Plain GSP\GIS\MapFiles\Data_Distribution\Data_Distribution_WQ_AS.aprx

LSCE TEAM

Average Arsenic (As) Measurement for Wells 200 to 400-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-47



LSCE TEAM

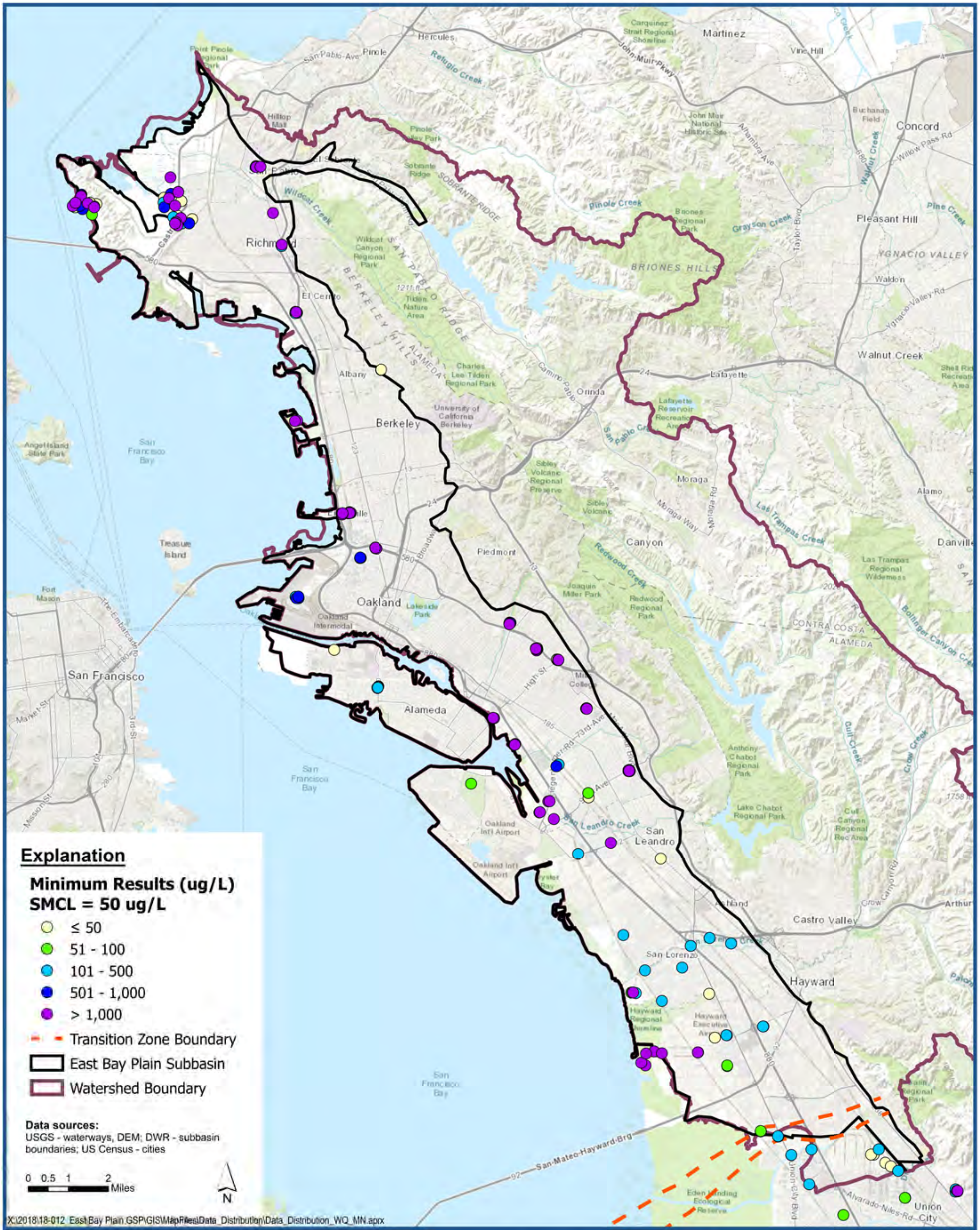
Average Arsenic (As) Measurement for Wells deeper than 400-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-48

Section F-5

Manganese Maps



Explanation

Minimum Results (ug/L)
SMCL = 50 ug/L

- ○ ≤ 50
- ● 51 - 100
- ● 101 - 500
- ● 501 - 1,000
- ● > 1,000
- Transition Zone Boundary
- East Bay Plain Subbasin
- Watershed Boundary

Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

0 0.5 1 2 Miles

N

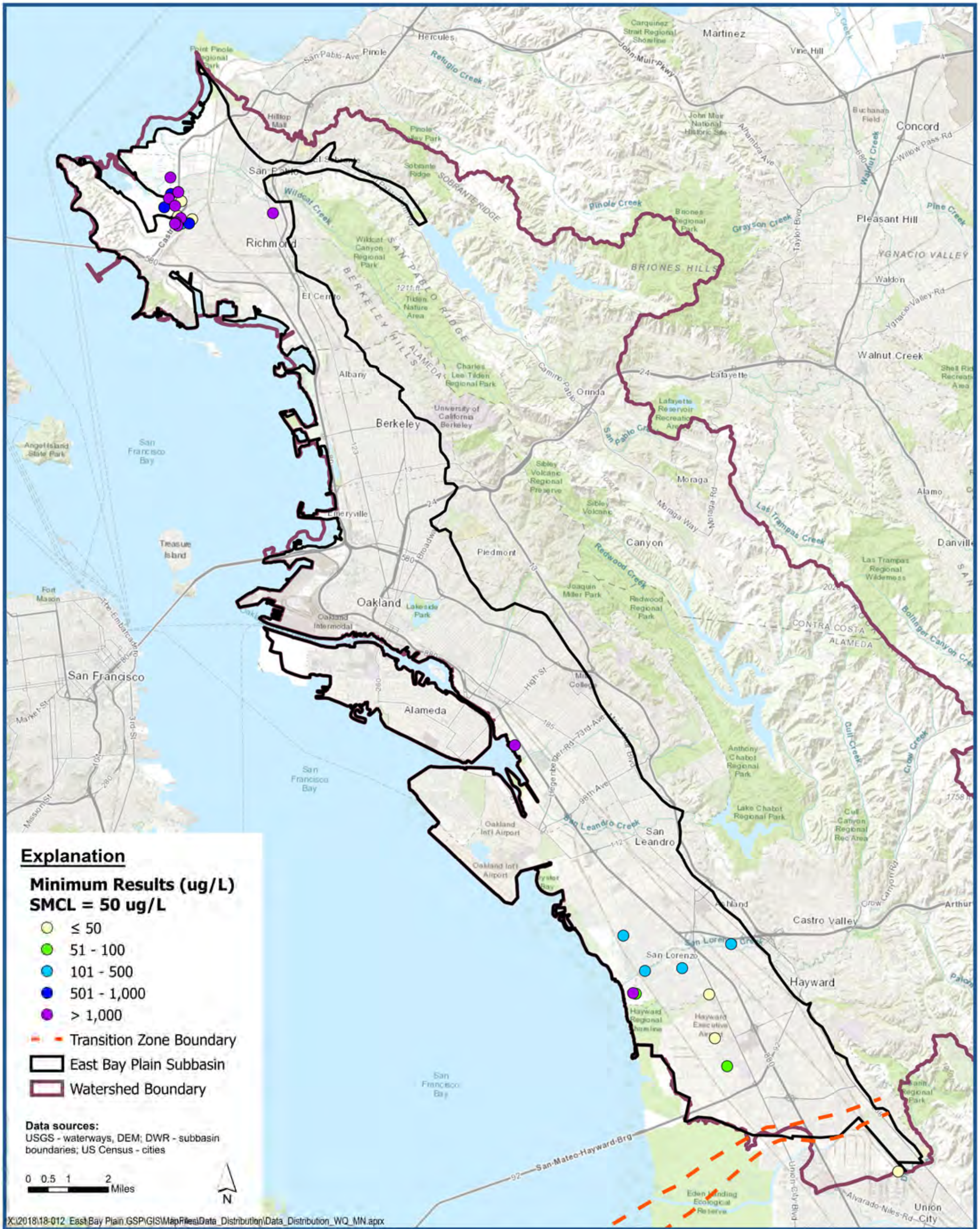
X:\2018\18-012 East Bay Plain GSP\GIS\MapFiles\Data_Distribution\Data_Distribution_WQ_MN.aprx

LSCE TEAM

Minimum Manganese (Mn) Measurement for Wells deeper than 50-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-49

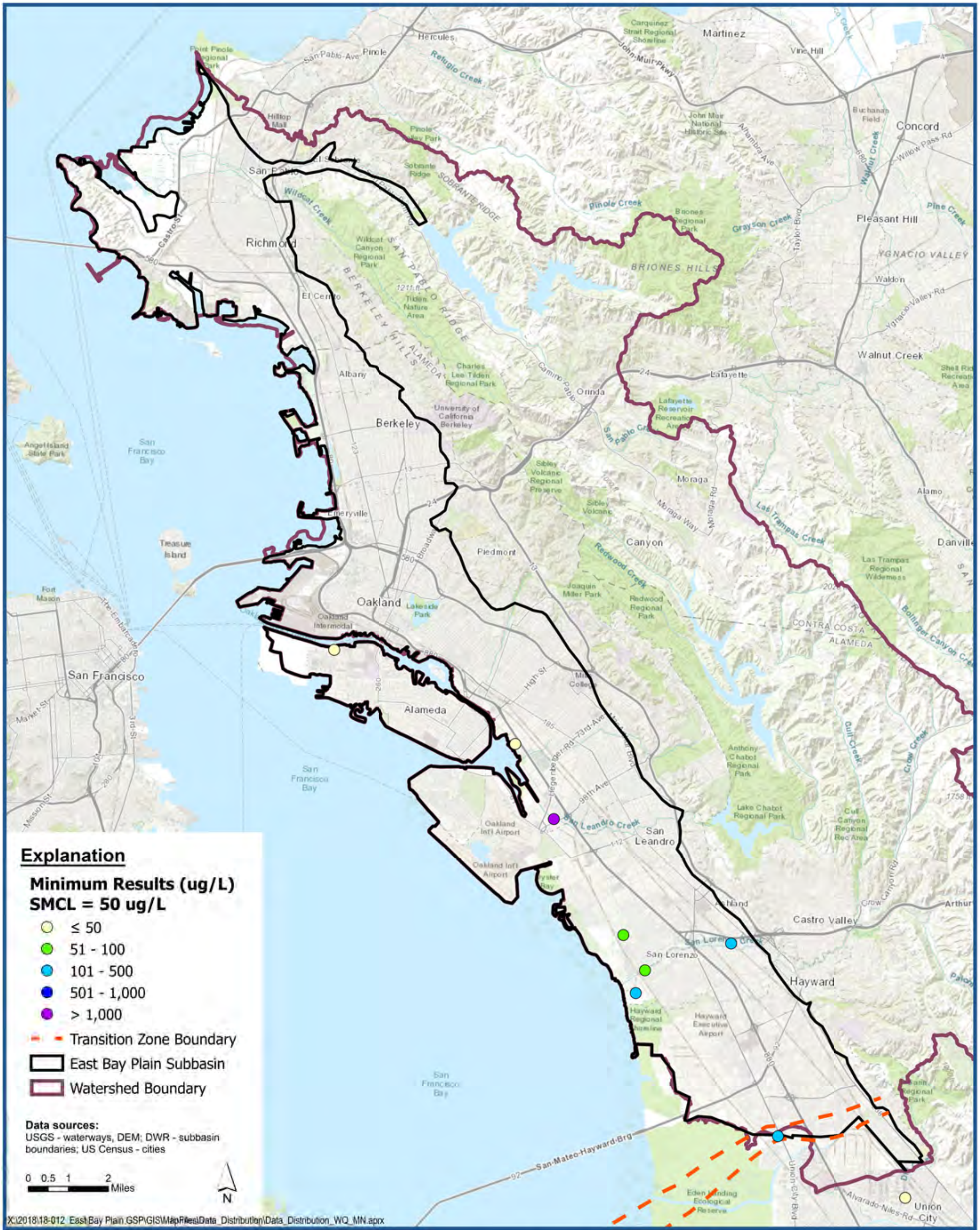


LSCE TEAM

Minimum Manganese (Mn) Measurement for Wells 50 to 200-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-50

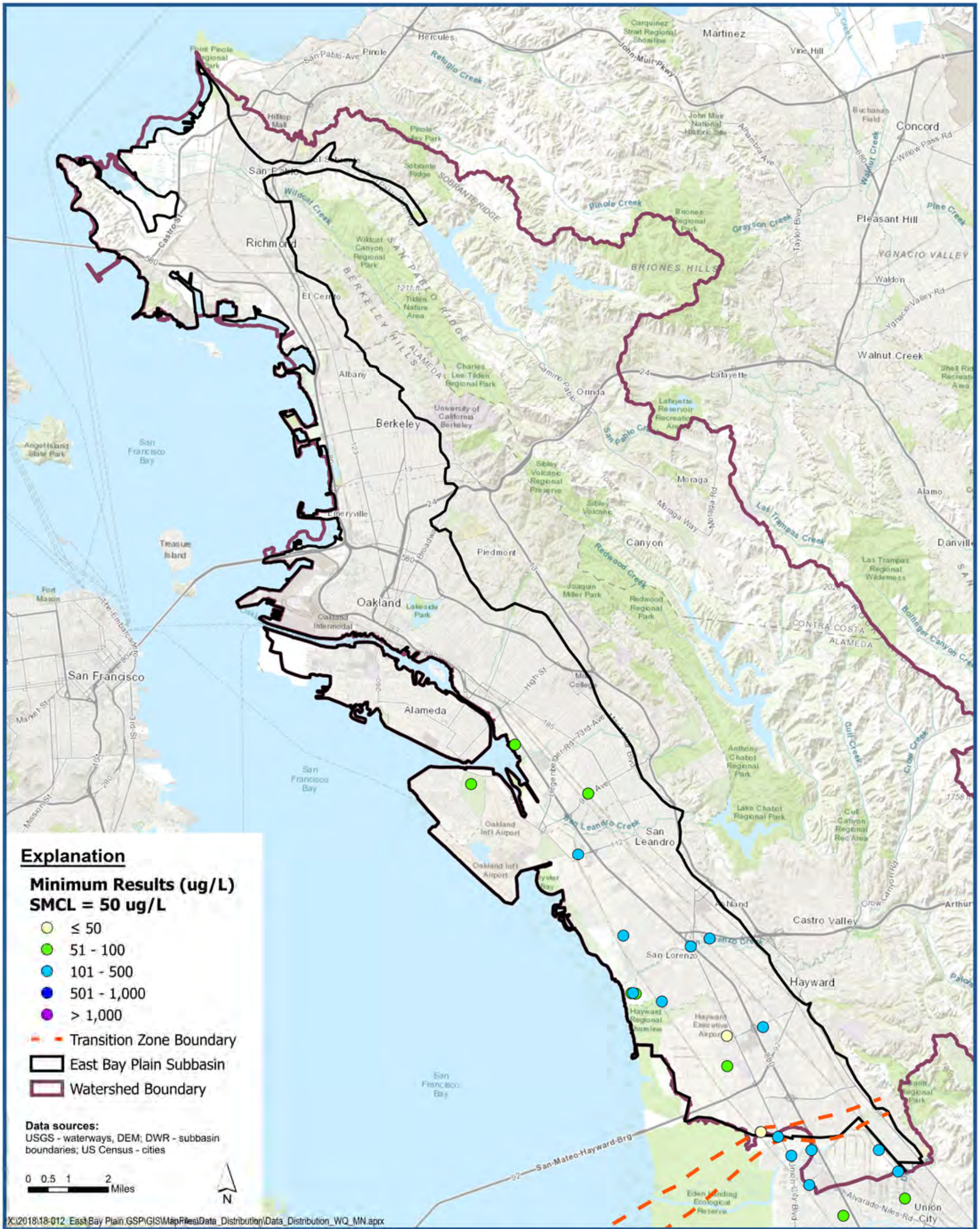


LSCE TEAM

Minimum Manganese (Mn) Measurement for Wells 200 to 400-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-51

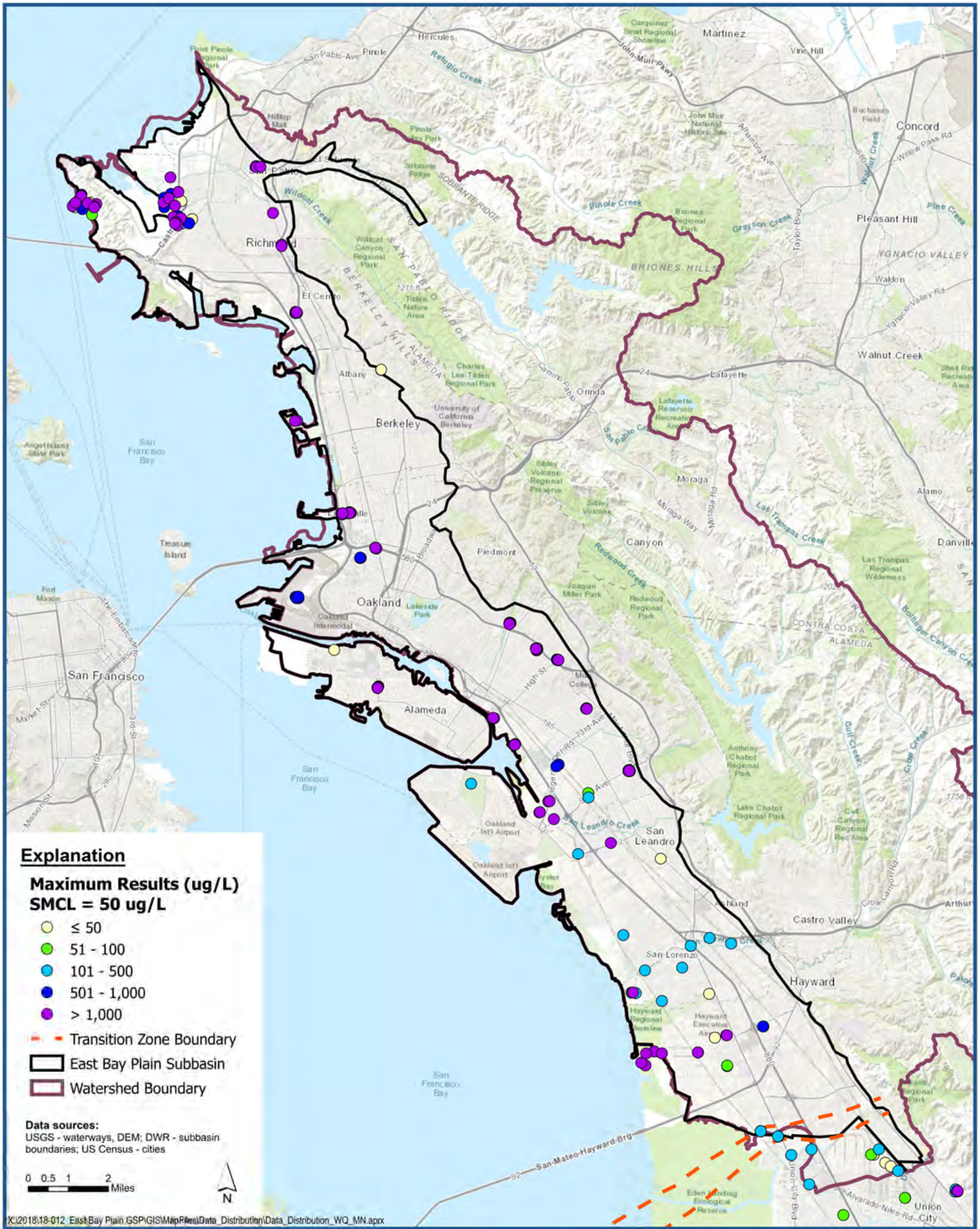


LSCE TEAM

Minimum Manganese (Mn) Measurement for Wells deeper than 400-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-52

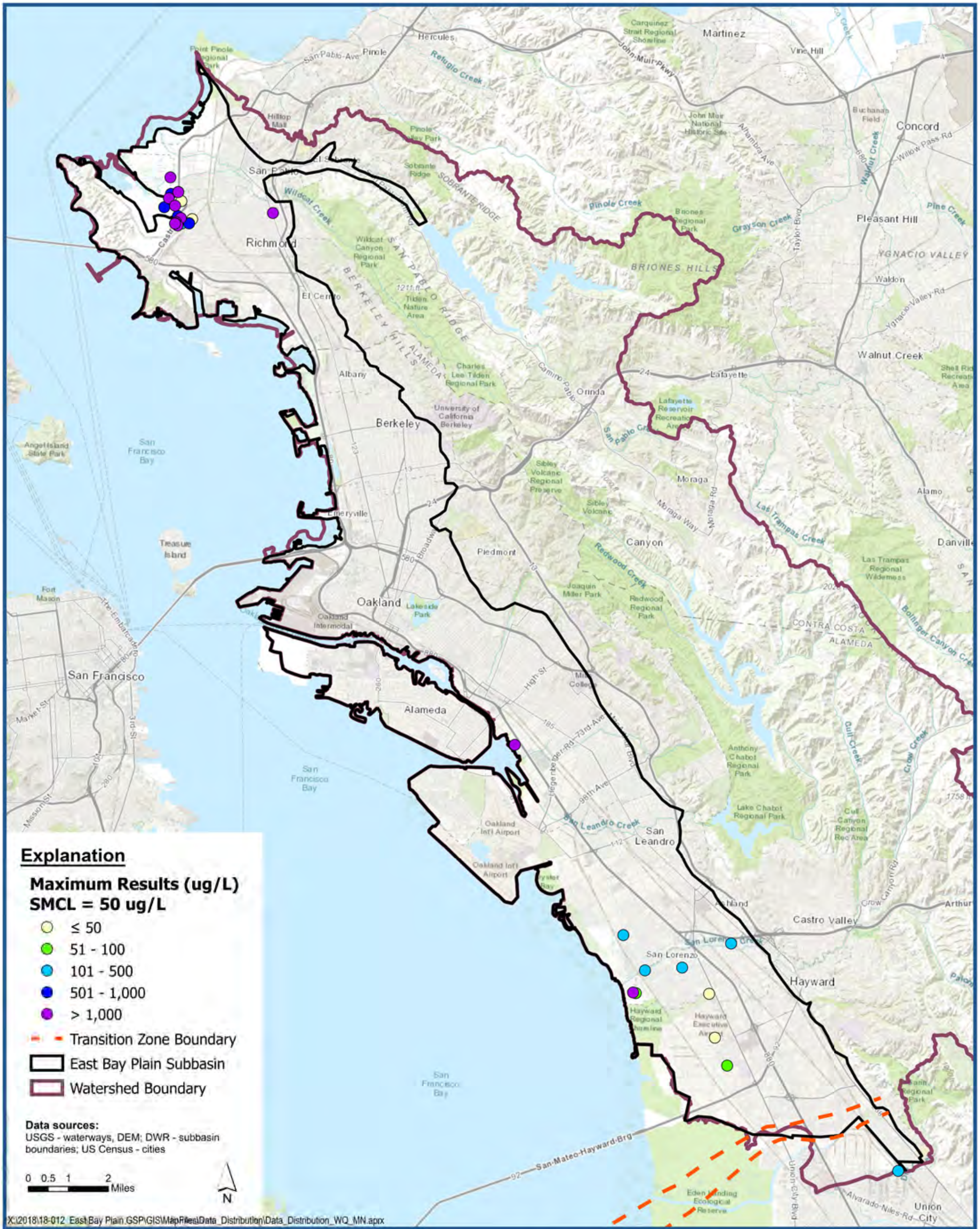


LSCE TEAM

Maximum Manganese (Mn) Measurement for Wells deeper than 50-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

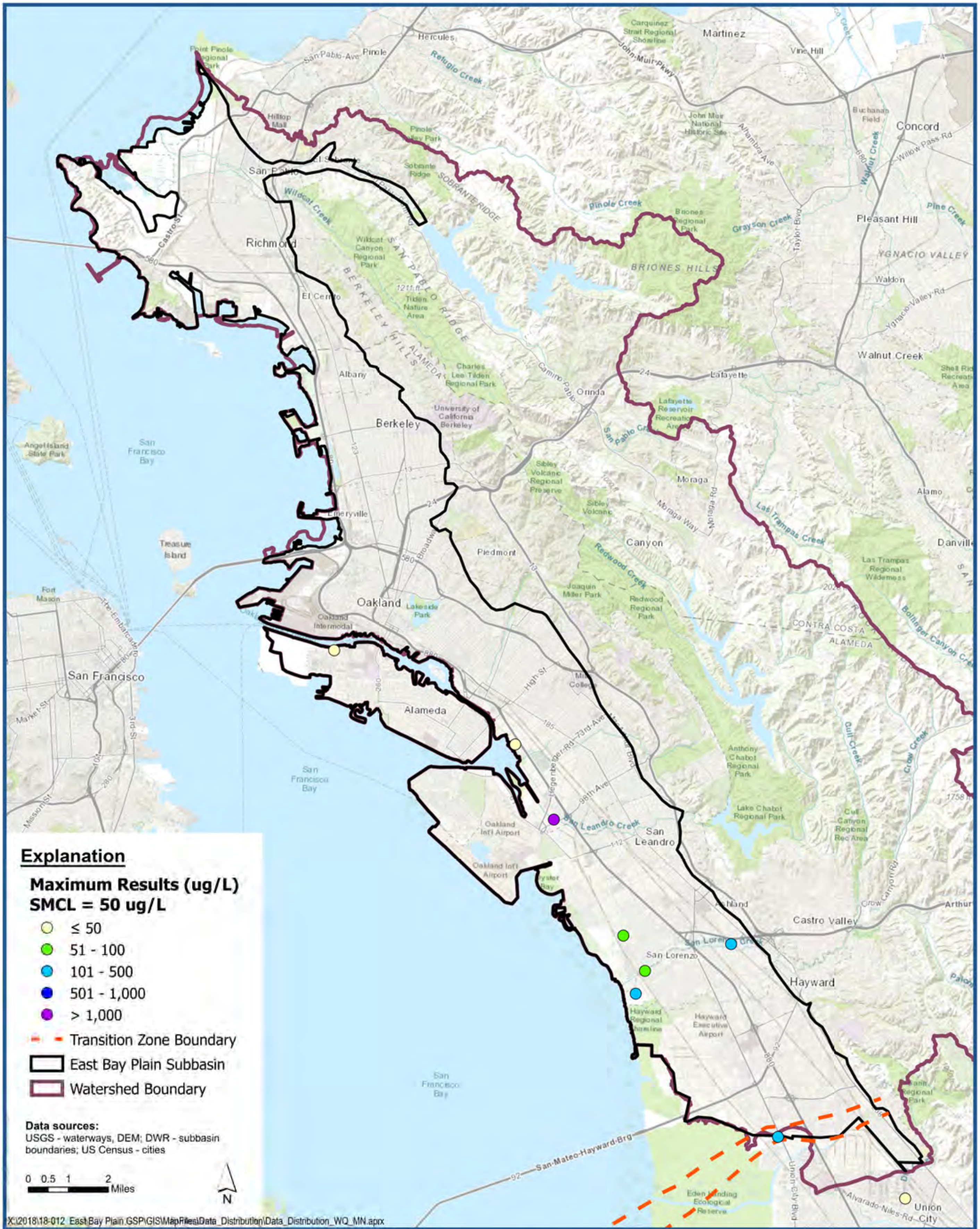
Figure F-53



Maximum Manganese (Mn) Measurement for Wells 50 to 200-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

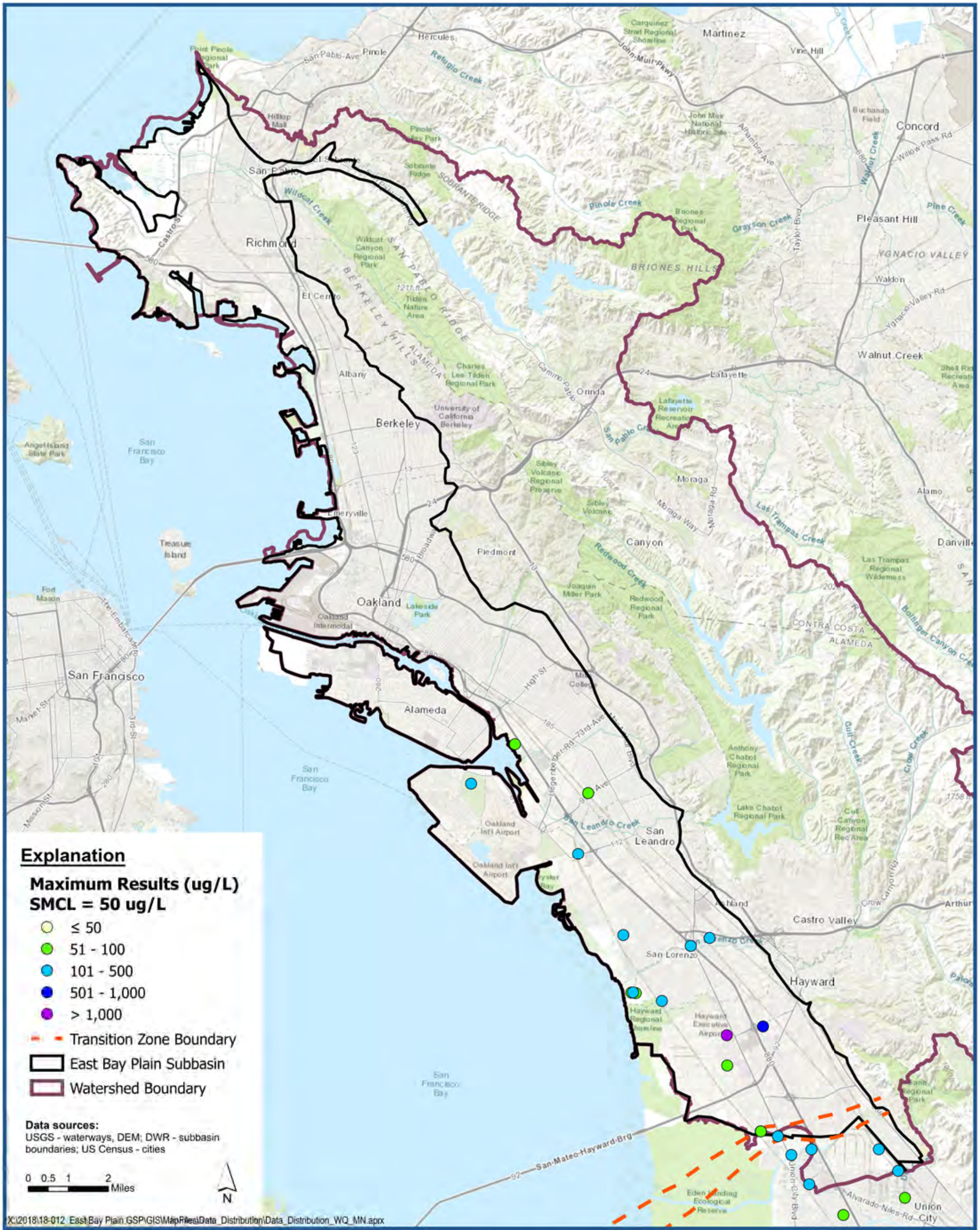
Figure F-54



Maximum Manganese (Mn) Measurement for Wells 200 to 400-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-55



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

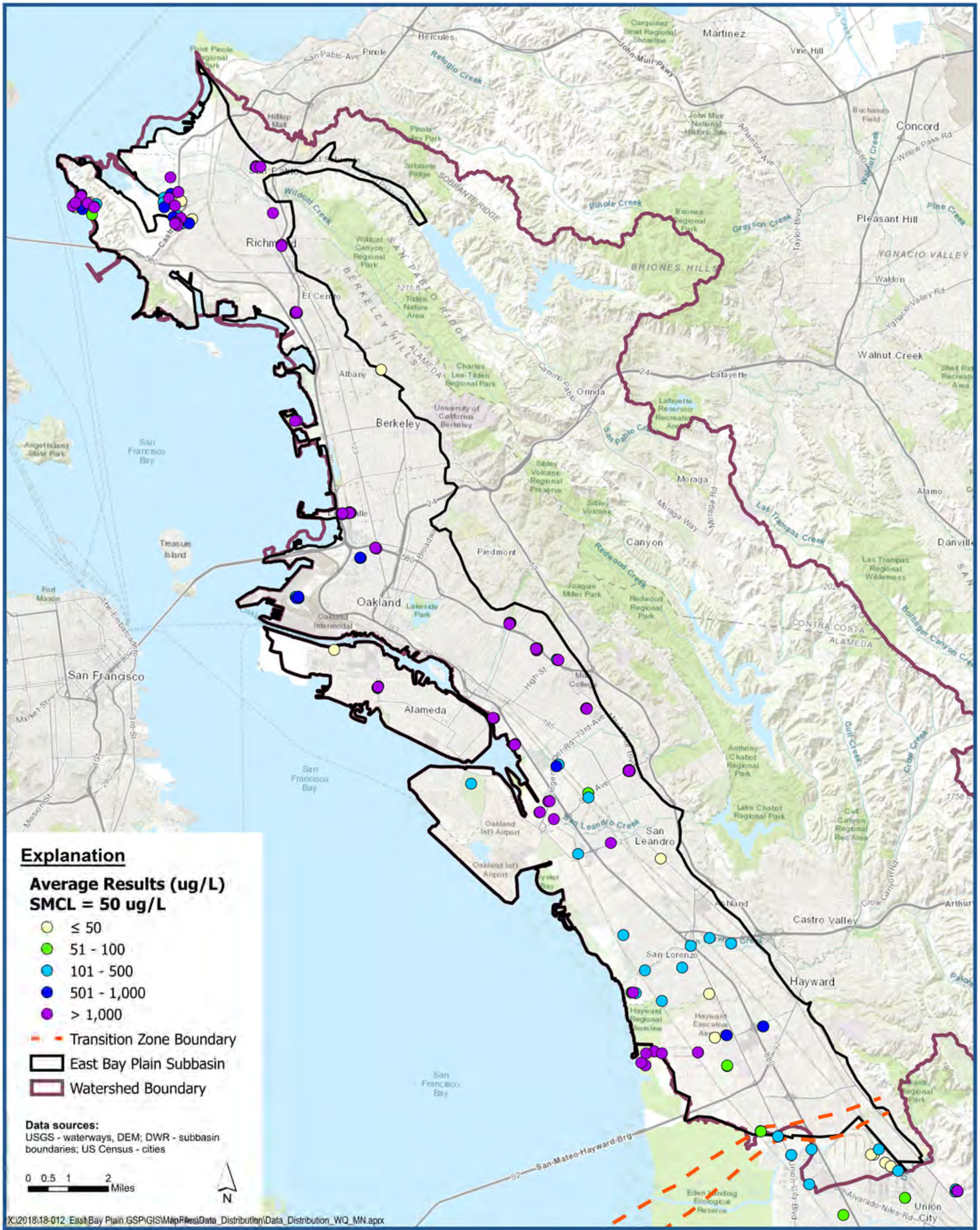
X:\2018\18-012 East Bay Plain GSP\GIS\MapFiles\Data_Distribution\Data_Distribution_WQ_MN.aprx

LSCE TEAM

Maximum Manganese (Mn) Measurement for Wells deeper than 400-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-56



Explanation

Average Results (ug/L)
SMCL = 50 ug/L

- ○ ≤ 50
- ● 51 - 100
- ● 101 - 500
- ● 501 - 1,000
- ● > 1,000
- Transition Zone Boundary
- East Bay Plain Subbasin
- Watershed Boundary

Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

0 0.5 1 2 Miles

N

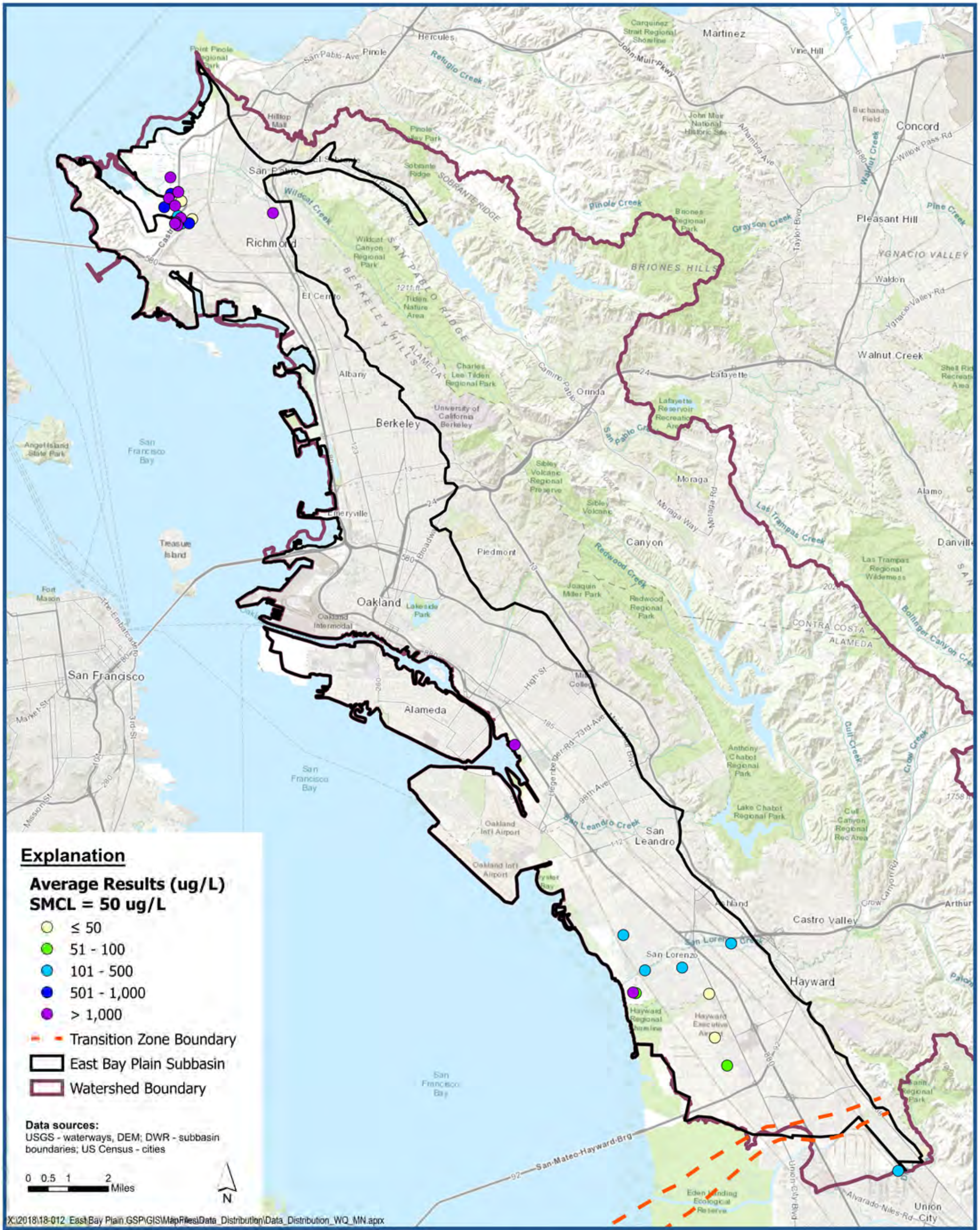
X:\2018\18-012 East Bay Plain GSP\GIS\MapFiles\Data_Distribution\Data_Distribution_WQ_MN.aprx

LSCE TEAM

Average Manganese (Mn) Measurement for Wells deeper than 50-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-57

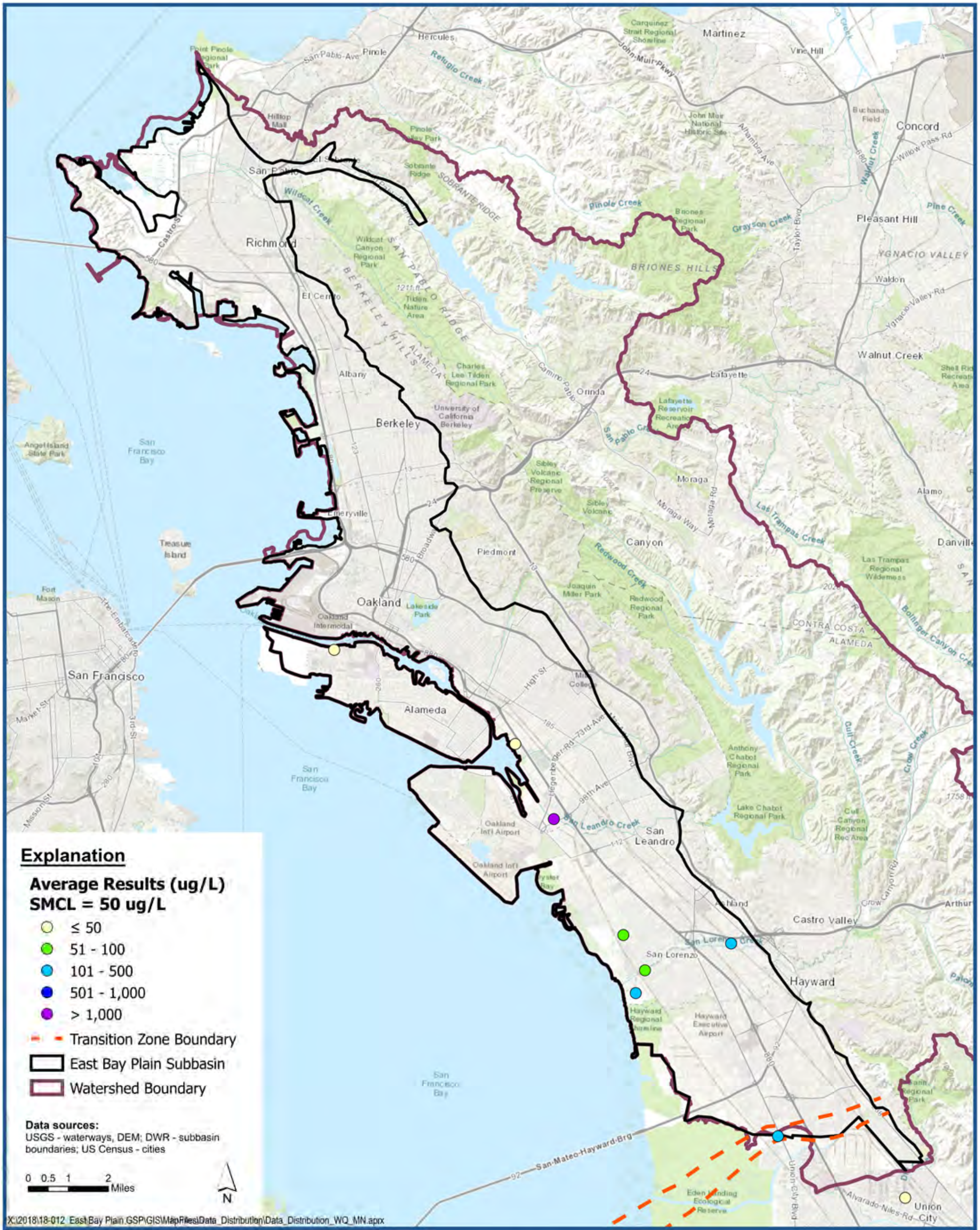


LSCE TEAM

Average Manganese (Mn) Measurement for Wells 50 to 200-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-58

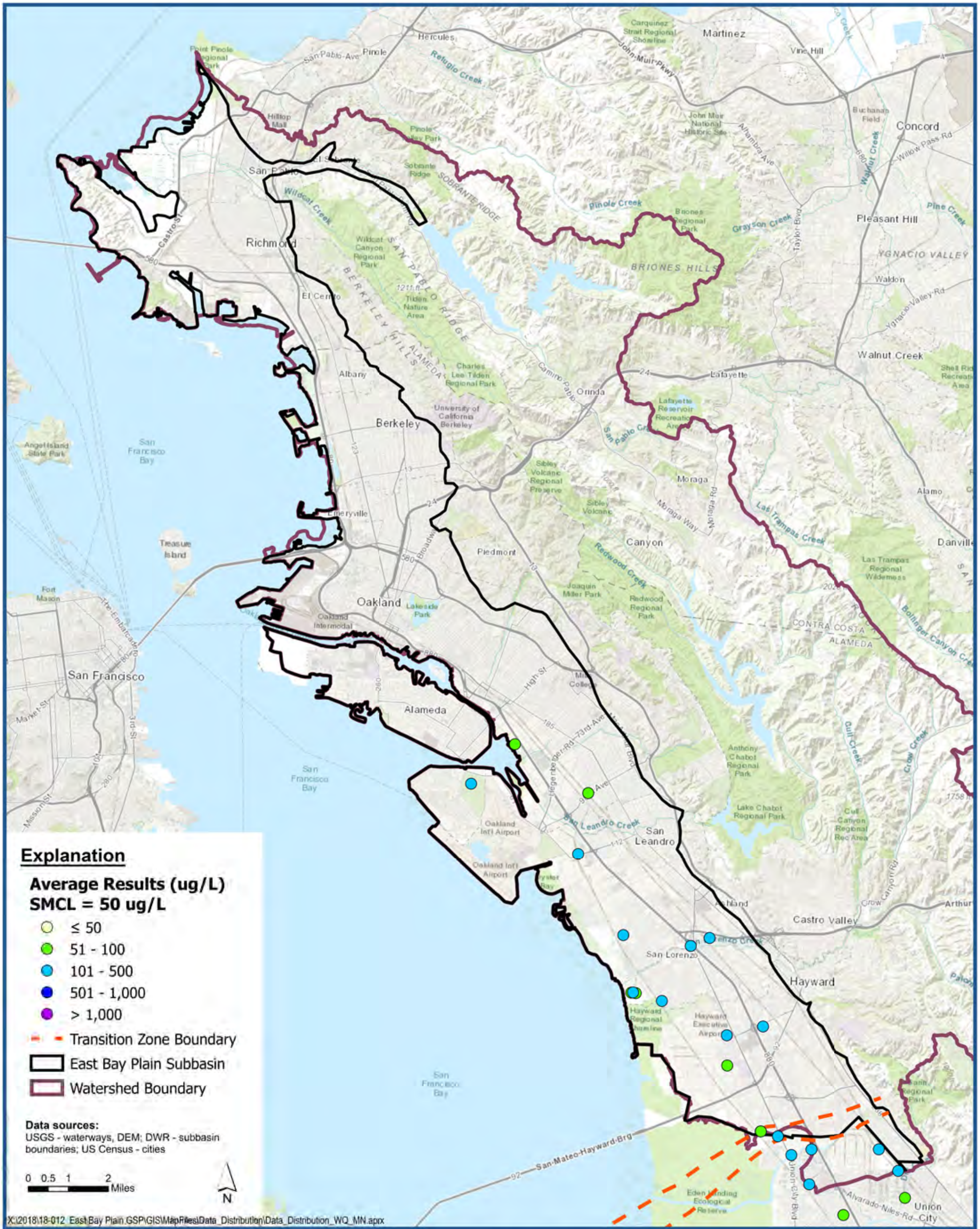


Average Manganese (Mn) Measurement for Wells 200 to 400-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure F-59

LSCE TEAM



Average Manganese (Mn) Measurement for Wells deeper than 400-feet

East Bay Plain Subbasin
Groundwater Sustainability Plan

LSCE TEAM

Figure F-60

APPENDIX G

Section G-1

Contaminant Concentration Data Tables

Figure 1
PCE
EBMUD GW Sustainability
SANTA CLARA VALLEY - EAST BAY PLAIN

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

JSCOLAVINO | Aug 22, 2019 - 3:52PM | Map: EBMUD - GAMA | Path: \\bcwckfp01\projects\153000\153685-GW Sustainability EBMUD\040 - Reference Material\08 - GIS\

Figure 2
TCE
EBMUD GW Sustainability
SANTA CLARA VALLEY - EAST BAY PLAIN

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

JSCOLAVINO | Aug 22, 2019 - 4:18PM | Map: EBMUD - GAMA | Path: \\bcwckfp01\projects\153000\153685-GW Sustainability EBMUD\040 - Reference Material\08 - GIS\

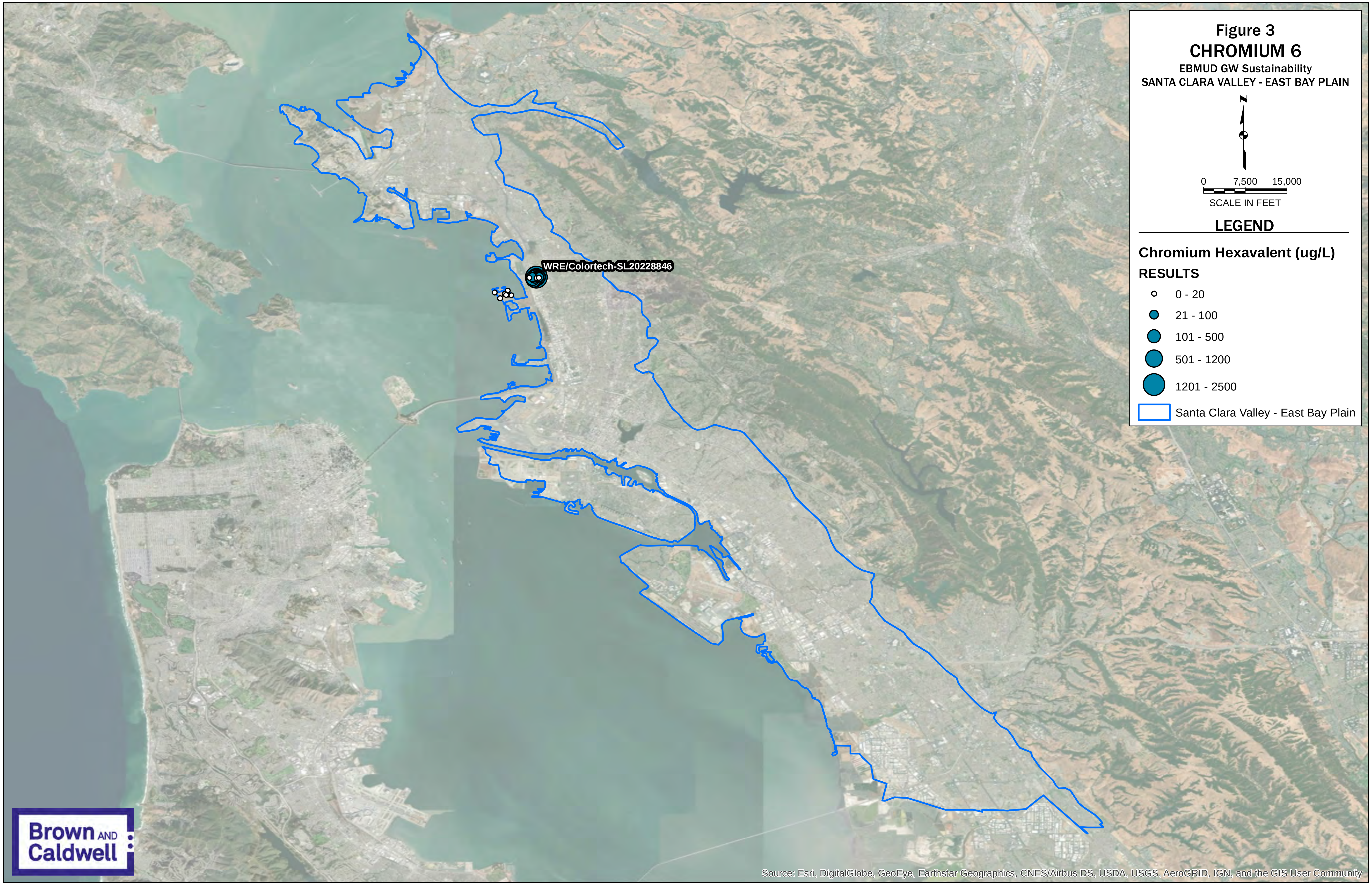


Figure 3
CHROMIUM 6
EBMUD GW Sustainability
SANTA CLARA VALLEY - EAST BAY PLAIN

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

JSCOLAVINO | Aug 22, 2019 - 4:24PM | Map: EBMUD - GAMA | Path: \\bcwckfp01\projects\153000\153685 -GW Sustainability EBMUD\040 - Reference Material\08 - GIS\

Figure 4
BENZENE
EBMUD GW Sustainability
SANTA CLARA VALLEY - EAST BAY PLAIN

Brown AND Caldwell

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

JSCOLAVINO | Aug 22, 2019 - 3:44PM | Map: EBMUD - GAMA | Path: \\bcwckfp01\projects\153000\153685-GW Sustainability EBMUD\040 - Reference Material\08 - GIS\

Figure 5
ETHYLBENZENE
EBMUD GW Sustainability
SANTA CLARA VALLEY - EAST BAY PLAIN

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

JSCOLAVINO | Aug 22, 2019 - 3:47PM | Map: EBMUD - GAMA | Path: \\bcwckfp01\projects\153000\153685 -GW Sustainability EBMUD\040 - Reference Material\08 - GIS\

Figure 6
TOLUENE

EBMUD GW Sustainability
SANTA CLARA VALLEY - EAST BAY PLAIN

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Brown AND Caldwell

JSCOLAVINO | Aug 22, 2019 - 3:48PM | Map: EBMUD - GAMA | Path: \\bcwckfp01\projects\153000\153685-GW Sustainability EBMUD\040 - Reference Material\08 - GIS\

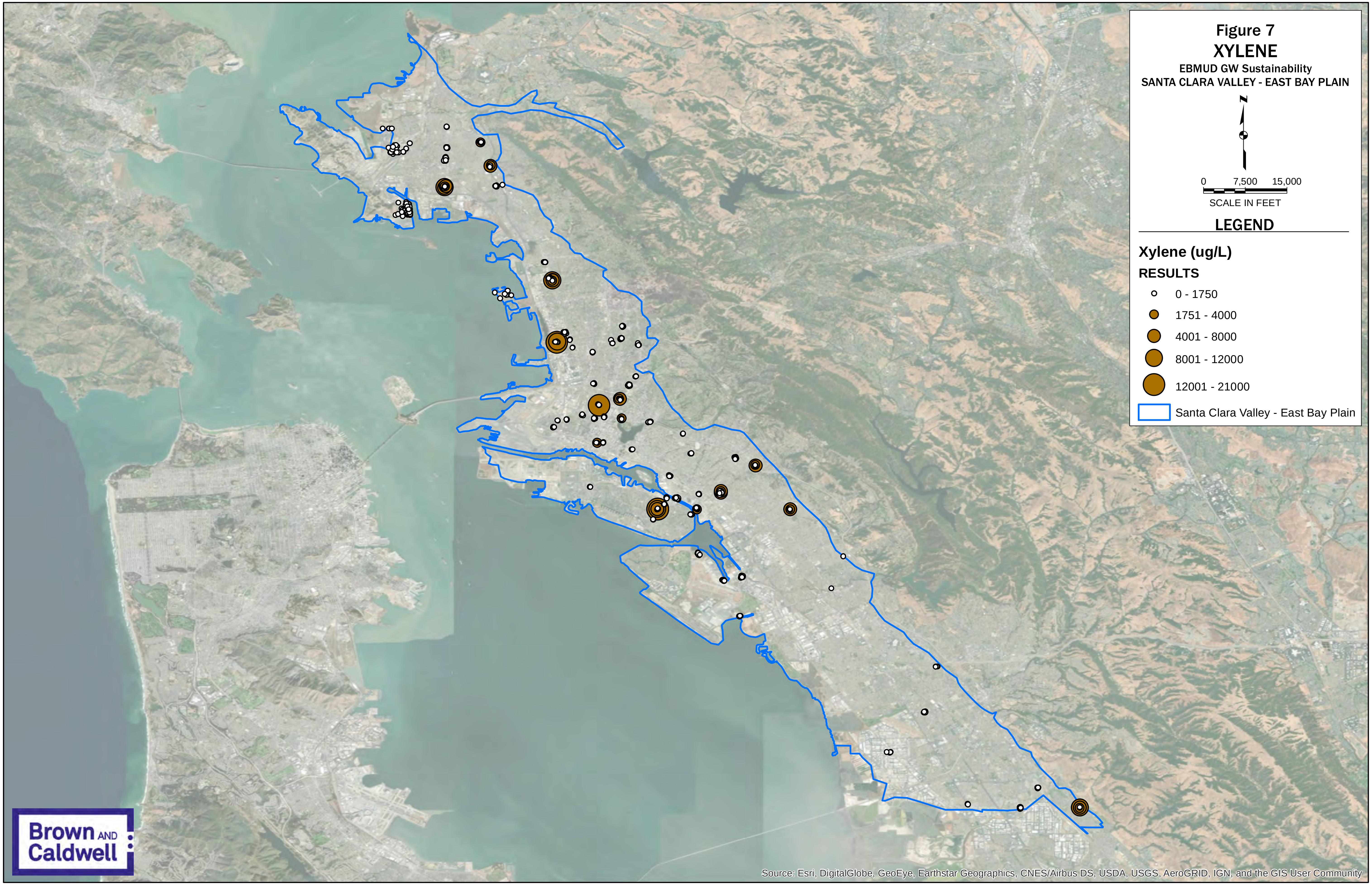


Figure 7
XYLENE
EBMUD GW Sustainability
SANTA CLARA VALLEY - EAST BAY PLAIN

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

JSCOLAVINO | Aug 22, 2019 - 3:50PM | Map: EBMUD - GAMA | Path: \\bcwckfp01\projects\153000\153685-GW Sustainability EBMUD\040 - Reference Material\08 - GIS\

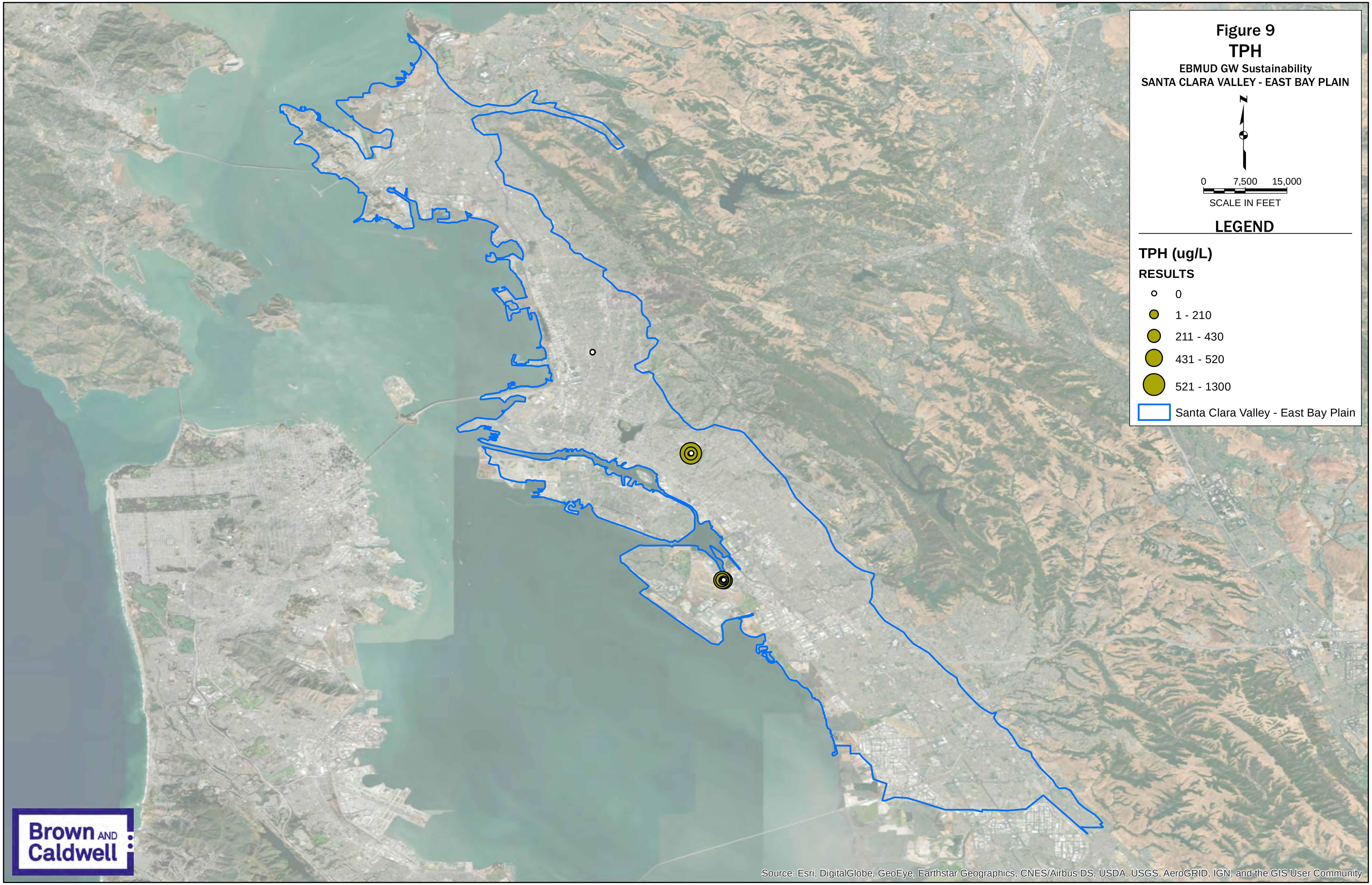
Figure 8
GASOLINE
EBMUD GW Sustainability
SANTA CLARA VALLEY - EAST BAY PLAIN

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

JSCOLAVINO | Aug 22, 2019 - 3:50PM | Map: EBMUD - GAMA | Path: \\bcwckfp01\projects\153000\153685-GW Sustainability EBMUD\040 - Reference Material\08 - GIS\

Figure 9
TPH

EBMUD GW Sustainability
SANTA CLARA VALLEY - EAST BAY PLAIN



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

JSCOLAVINO | Aug 22, 2019 - 3:52PM | Map: EBMUD - GAMA | Path: \\bcwckfp01\projects\153000\153685-GW Sustainability EBMUD\040 - Reference Material\08 - GIS\

Santa Clara Valley - East Bay Plain

PCE

Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top Screen (FT)	Screen Length (FT)	Source
0103041-001	0	PCE	2/26/2019	UG/L	<	UNK	37.7268594	-122.157248	MUNICIPAL		0	0	DHS
L10006224883-GW-1(A)	0	PCE	1/8/2019	UG/L	ND	0.5	37.87298088	-122.3233184	MONITORING	49.9			EDF
L10006224883-GW-1(A)	0	PCE	7/24/2018	UG/L	ND	0.5	37.87298088	-122.3233184	MONITORING	49.9			EDF
L10006224883-GW-2	0	PCE	7/24/2018	UG/L	ND	0.5	37.87011788	-122.3207845	MONITORING	49.07			EDF
L10006224883-GW-2	0	PCE	1/8/2019	UG/L	ND	0.5	37.87011788	-122.3207845	MONITORING	49.07			EDF
L10006224883-GW-3	0	PCE	7/24/2018	UG/L	ND	0.5	37.87153234	-122.3151463	MONITORING	37.5			EDF
L10006224883-GW-3	0	PCE	1/8/2019	UG/L	ND	0.5	37.87153234	-122.3151463	MONITORING	37.5			EDF
L10006224883-GW-4	0	PCE	7/24/2018	UG/L	ND	0.5	37.87387452	-122.3170825	MONITORING	45			EDF
L10006224883-GW-4	0	PCE	1/8/2019	UG/L	ND	0.5	37.87387452	-122.3170825	MONITORING	45			EDF
L10006224883-GW-5	0	PCE	7/25/2018	UG/L	ND	0.5	37.87226085	-122.3185373	MONITORING	72			EDF
L10006224883-GW-5	0	PCE	1/8/2019	UG/L	ND	0.5	37.87226085	-122.3185373	MONITORING	72			EDF
L10006224883-L-4	0	PCE	7/25/2018	UG/L	ND	0.5	37.87191501	-122.3167805	MONITORING				EDF
L10006224883-L-4	0	PCE	1/10/2019	UG/L	ND	0.5	37.87191501	-122.3167805	MONITORING				EDF
L10006224883-L-5	0	PCE	7/25/2018	UG/L	ND	0.5	37.87173259	-122.3177832	MONITORING				EDF
L10006224883-L-5	0	PCE	1/10/2019	UG/L	ND	0.5	37.87173259	-122.3177832	MONITORING				EDF
L10009353957-CW-9	0.5	PCE	11/13/2018	UG/L	ND	0.5	37.94450448	-122.3757654	MONITORING				EDF
L10009353957-CW-9	0.8	PCE	8/15/2018	UG/L	=	0.5	37.94450448	-122.3757654	MONITORING				EDF
L10009353957-GW-31A	0	PCE	10/9/2018	UG/L	ND	0.5	37.95392553	-122.3741854	MONITORING		4.6	15.5	EDF
L10009353957-GW-38A	0	PCE	10/9/2018	UG/L	ND	0.5	37.95391483	-122.3756621	MONITORING		3.69	15	EDF
L10009353957-GW-38C	0	PCE	10/10/2018	UG/L	ND	0.5	37.95391455	-122.3756007	MONITORING		29.1	5	EDF
L10009353957-GW-61A-3	0.6	PCE	7/18/2018	UG/L	=	0.5	37.946677	-122.365392	MONITORING		12	5	EDF
L10009353957-GW-61A-3	0.4	PCE	11/7/2018	UG/L	ND	0.5	37.946677	-122.365392	MONITORING		12	5	EDF
L10009353957-GW-61C-2	0	PCE	7/18/2018	UG/L	ND	0.5	37.94668249	-122.3654073	MONITORING		39.61	10	EDF
L10009353957-GW-61C-2	4.1	PCE	11/7/2018	UG/L	=	0.5	37.94668249	-122.3654073	MONITORING		39.61	10	EDF
L10009353957-GW-61C-2	0	PCE	11/7/2018	UG/L	ND	0.5	37.94668249	-122.3654073	MONITORING		39.61	10	EDF
L10009353957-GW-61C-2	3.9	PCE	7/18/2018	UG/L	=	0.5	37.94668249	-122.3654073	MONITORING		39.61	10	EDF
L10009353957-GW-63C	0	PCE	10/18/2018	UG/L	ND	0.5	37.95392247	-122.3786384	MONITORING		30.67	10	EDF
SL0600177511-MW-1	53	PCE	8/7/2018	UG/L	=	0.5	37.7740512	-122.2481857	MONITORING	18.7	6.32	12	EDF
SL0600177511-MW-1	11	PCE	2/28/2019	UG/L	=	0.5	37.7740512	-122.2481857	MONITORING	18.7	6.32	12	EDF
SL0600177511-MW-2	24	PCE	2/28/2019	UG/L	=	0.5	37.7737629	-122.2484422	MONITORING	17.3	5.01	12	EDF
SL0600177511-MW-2	160	PCE	8/7/2018	UG/L	=	5	37.7737629	-122.2484422	MONITORING	17.3	5.01	12	EDF
SL0600177511-MW-3	0	PCE	2/28/2019	UG/L	ND	0.5	37.7739538	-122.2479742	MONITORING	17.9	5.52	12	EDF
SL0600177511-MW-3	0	PCE	8/7/2018	UG/L	ND	0.5	37.7739538	-122.2479742	MONITORING	17.9	5.52	12	EDF
SL0600177511-MW-4	0	PCE	2/28/2019	UG/L	ND	0.5	37.7741664	-122.2480825	MONITORING	9	8.56	10	EDF
SL0600177511-MW-4	0	PCE	8/7/2018	UG/L	ND	0.5	37.7741664	-122.2480825	MONITORING	9	8.56	10	EDF
SL18244665-A	0	PCE	11/27/2018	UG/L	ND	1	37.94166758	-122.372765	MONITORING				EDF
SL18244665-A	0	PCE	8/1/2018	UG/L	ND	1	37.94166758	-122.372765	MONITORING				EDF
SL18244665-A-B3	0	PCE	8/1/2018	UG/L	ND	1	37.94257319	-122.373758	MONITORING				EDF
SL18244665-A-B3	0	PCE	11/27/2018	UG/L	ND	1	37.94257319	-122.373758	MONITORING				EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top Screen (FT)	Screen Length (FT)	Source
SL18244665-B2	0	PCE	11/27/2018	UG/L	ND	1	37.94419998	-122.3719496	MONITORING				EDF
SL18244665-B2	0	PCE	8/1/2018	UG/L	ND	1	37.94419998	-122.3719496	MONITORING				EDF
SL18244665-C	0.7	PCE	8/1/2018	UG/L	ND	1	37.9432882	-122.3733548	MONITORING				EDF
SL18244665-C	0.6	PCE	11/27/2018	UG/L	ND	1	37.9432882	-122.3733548	MONITORING				EDF
SL18244665-C	0.8	PCE	8/1/2018	UG/L	ND	1	37.9432882	-122.3733548	MONITORING				EDF
SL18244665-C	0	PCE	11/27/2018	UG/L	ND	1	37.9432882	-122.3733548	MONITORING				EDF
SL18244665-C	0.5	PCE	11/27/2018	UG/L	ND	1	37.9432882	-122.3733548	MONITORING				EDF
SL18244665-C	0	PCE	8/1/2018	UG/L	ND	1	37.9432882	-122.3733548	MONITORING				EDF
SL18244665-C2	0	PCE	8/1/2018	UG/L	ND	1	37.94344026	-122.3737015	MONITORING				EDF
SL18244665-C2	0.5	PCE	11/27/2018	UG/L	ND	1	37.94344026	-122.3737015	MONITORING				EDF
SL18244665-D	0.5	PCE	11/27/2018	UG/L	ND	1	37.94352718	-122.3739543	MONITORING				EDF
SL18244665-D	0	PCE	8/1/2018	UG/L	ND	1	37.94352718	-122.3739543	MONITORING				EDF
SL18244665-E	1	PCE	8/1/2018	UG/L	ND	1	37.94426529	-122.3740652	MONITORING				EDF
SL18244665-E	1	PCE	11/27/2018	UG/L	=	1	37.94426529	-122.3740652	MONITORING				EDF
SL18244665-F	0.8	PCE	11/27/2018	UG/L	ND	1	37.94450448	-122.3757654	MONITORING				EDF
SL18244665-F	0	PCE	8/1/2018	UG/L	ND	1	37.94450448	-122.3757654	MONITORING				EDF
SL18244665-F	0	PCE	11/27/2018	UG/L	ND	1	37.94450448	-122.3757654	MONITORING				EDF
SL18244665-GW-10B	0	PCE	10/1/2018	UG/L	ND	0.5	37.9424069	-122.3747428	MONITORING		120.55	20	EDF
SL18244665-GW-10C	120	PCE	12/17/2018	UG/L	=	2.5	37.94571257	-122.3722745	MONITORING		16.06	20	EDF
SL18244665-GW-10C	0	PCE	12/17/2018	UG/L	ND	0.5	37.94571257	-122.3722745	MONITORING		16.06	20	EDF
SL18244665-GW-11A	0	PCE	9/25/2018	UG/L	ND	0.5	37.9434276	-122.3739047	MONITORING		5.64	6.5	EDF
SL18244665-GW-11C	2.5	PCE	9/25/2018	UG/L	=	1	37.94342714	-122.3739439	MONITORING		16.42	18.3	EDF
SL18244665-GW-12A	0	PCE	8/7/2018	UG/L	ND	0.5	37.9451492	-122.3717197	MONITORING		5.52	12	EDF
SL18244665-GW-12A	0	PCE	8/7/2018	UG/L	ND	2.5	37.9451492	-122.3717197	MONITORING		5.52	12	EDF
SL18244665-GW-13A	0	PCE	8/7/2018	UG/L	ND	2.5	37.94470454	-122.3721462	MONITORING		5.75	13	EDF
SL18244665-GW-15A	0	PCE	8/7/2018	UG/L	ND	2.5	37.94283711	-122.3734862	MONITORING		4.21	11	EDF
SL18244665-GW-15C	0	PCE	8/20/2018	UG/L	ND	100	37.94240823	-122.3736443	MONITORING		45.96	17	EDF
SL18244665-GW-19A	0	PCE	8/7/2018	UG/L	ND	2.5	37.94227532	-122.3722844	MONITORING		2.7	7.5	EDF
SL18244665-GW-19C	0	PCE	8/21/2018	UG/L	ND	0.5	37.94226543	-122.37187	MONITORING		43.54	19.5	EDF
SL18244665-GW-20A	0	PCE	8/13/2018	UG/L	ND	2.5	37.94224213	-122.3707597	MONITORING		4.64	9.5	EDF
SL18244665-GW-21C	0	PCE	8/21/2018	UG/L	ND	0.5	37.94422319	-122.3723033	MONITORING		48.61	19.3	EDF
SL18244665-GW-22C	0	PCE	8/23/2018	UG/L	ND	0.5	37.94274576	-122.3744984	MONITORING		43.97	20	EDF
SL18244665-GW-23C	0	PCE	8/23/2018	UG/L	ND	0.5	37.9422953	-122.3748326	MONITORING		43.07	20	EDF
SL18244665-GW-25C	0	PCE	9/26/2018	UG/L	ND	0.5	37.94153924	-122.3737241	MONITORING		54.51	20	EDF
SL18244665-GW-26C	0	PCE	8/23/2018	UG/L	ND	0.5	37.94218323	-122.3749231	MONITORING		65.1	10	EDF
SL18244665-GW-2C	0	PCE	10/3/2018	UG/L	ND	5	37.94224213	-122.3707597	MONITORING		31.66	4	EDF
SL18244665-GW-2C	0	PCE	10/29/2018	UG/L	ND	5	37.94224213	-122.3707597	MONITORING		31.66	4	EDF
SL18244665-GW-38C	0	PCE	10/3/2018	UG/L	ND	5	37.95391455	-122.3756007	MONITORING		29.1	5	EDF
SL18244665-GW-40C	220	PCE	8/28/2018	UG/L	=	25	37.94562252	-122.3729223	MONITORING		31.84	15	EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top Screen (FT)	Screen Length (FT)	Source
SL18244665-GW-40C	0	PCE	8/28/2018	UG/L	ND	0.5	37.94562252	-122.3729223	MONITORING		31.84	15	EDF
SL18244665-GW-40C	210	PCE	8/28/2018	UG/L	=	25	37.94562252	-122.3729223	MONITORING		31.84	15	EDF
SL18244665-GW-63C	0	PCE	10/3/2018	UG/L	ND	5	37.95392247	-122.3786384	MONITORING		30.67	10	EDF
SL18244665-GW-6B-2	0	PCE	9/26/2018	UG/L	ND	0.5	37.94493217	-122.3736841	MONITORING		108.99	20	EDF
SL18244665-GW-6C-1	0	PCE	8/28/2018	UG/L	ND	0.5	37.94450788	-122.3737154	MONITORING		23.29	20	EDF
SL18244665-GW-7A	0	PCE	8/8/2018	UG/L	ND	2.5	37.94410917	-122.3670541	MONITORING		8.79	18	EDF
SL18244665-GW-7A	0	PCE	8/8/2018	UG/L	ND	0.5	37.94410917	-122.3670541	MONITORING		8.79	18	EDF
SL18244665-GW-7B	0	PCE	9/19/2018	UG/L	ND	2.5	37.94393562	-122.3671182	MONITORING		121.01	16	EDF
SL18244665-GW-7B	0	PCE	9/19/2018	UG/L	ND	0.5	37.94393562	-122.3671182	MONITORING		121.01	16	EDF
SL18244665-GW-7C	0	PCE	8/20/2018	UG/L	ND	0.5	37.94404005	-122.3670343	MONITORING		33.71	20	EDF
SL18244665-GW-8A	0	PCE	8/13/2018	UG/L	ND	0.5	37.94248218	-122.3683813	MONITORING		7.39	19	EDF
SL18244665-GW-8C	0	PCE	8/20/2018	UG/L	ND	0.5	37.94244141	-122.3684697	MONITORING		43.25	20	EDF
SL18344764-MW-15A	2.6	PCE	8/6/2018	UG/L	=	0.5	37.7427836	-122.1514643	MONITORING	25.87	16	10	EDF
SL18344764-MW-15A	0.5	PCE	11/14/2018	UG/L	=	0.5	37.7427836	-122.1514643	MONITORING	25.87	16	10	EDF
SL18344764-MW-15B	1200	PCE	11/14/2018	UG/L	=	25	37.7427775	-122.1514593	MONITORING	48.93	39	10	EDF
SL18344764-MW-15B	3100	PCE	8/6/2018	UG/L	=	50	37.7427775	-122.1514593	MONITORING	48.93	39	10	EDF
SL20244862-AMW-11BR	0	PCE	8/16/2018	UG/L	ND	0.5	37.7658117	-122.2232405	MONITORING				EDF
SL20244862-AMW-11BR	0	PCE	1/30/2019	UG/L	ND	0.5	37.7658117	-122.2232405	MONITORING				EDF
SL20244862-AMW-13AR	0	PCE	8/17/2018	UG/L	ND	0.5	37.7666675	-122.2235634	MONITORING		10	8	EDF
SL20244862-AMW-13AR	0	PCE	1/29/2019	UG/L	ND	0.5	37.7666675	-122.2235634	MONITORING		10	8	EDF
SL20244862-AMW-13B	0	PCE	1/29/2019	UG/L	ND	0.5	37.7666722	-122.2235346	MONITORING				EDF
SL20244862-AMW-13B	0	PCE	8/16/2018	UG/L	ND	0.5	37.7666722	-122.2235346	MONITORING				EDF
SL20244862-AMW-14B	0	PCE	8/16/2018	UG/L	ND	10	37.7662006	-122.2237995	MONITORING		27	10	EDF
SL20244862-AMW-14B	0	PCE	1/28/2019	UG/L	ND	1	37.7662006	-122.2237995	MONITORING		27	10	EDF
SL20244862-AMW-17A	0	PCE	1/29/2019	UG/L	ND	0.5	37.766592	-122.2237993	MONITORING		10	8	EDF
SL20244862-AMW-17B	0	PCE	8/16/2018	UG/L	ND	0.5	37.7665997	-122.223806	MONITORING		26	10	EDF
SL20244862-AMW-17B	0	PCE	1/29/2019	UG/L	ND	0.5	37.7665997	-122.223806	MONITORING		26	10	EDF
SL20244862-AMW-18B	0	PCE	1/28/2019	UG/L	ND	0.5	37.7662123	-122.2238961	MONITORING				EDF
SL20244862-AMW-18B	0	PCE	8/17/2018	UG/L	ND	0.5	37.7662123	-122.2238961	MONITORING				EDF
SL20244862-AMW-1A	0	PCE	8/17/2018	UG/L	ND	0.5	37.766695	-122.224039	MONITORING				EDF
SL20244862-AMW-1A	0	PCE	1/30/2019	UG/L	ND	0.5	37.766695	-122.224039	MONITORING				EDF
SL20244862-AMW-1B	0	PCE	1/30/2019	UG/L	ND	0.5	37.7666866	-122.2240268	MONITORING				EDF
SL20244862-AMW-1B	0	PCE	8/17/2018	UG/L	ND	0.5	37.7666866	-122.2240268	MONITORING				EDF
SL20244862-AMW-1B	0	PCE	11/9/2018	UG/L	ND	0.5	37.7666866	-122.2240268	MONITORING				EDF
SL20244862-AMW-2B	0	PCE	8/17/2018	UG/L	ND	2.5	37.7665343	-122.2238173	MONITORING		27.95		EDF
SL20244862-AMW-2B	0	PCE	1/29/2019	UG/L	ND	2.5	37.7665343	-122.2238173	MONITORING		27.95		EDF
SL20244862-AMW-3A	2	PCE	8/16/2018	UG/L	=	0.5	37.7665503	-122.2244457	MONITORING		7.75		EDF
SL20244862-AMW-3B	160	PCE	11/9/2018	UG/L	=	50	37.7665564	-122.2244535	MONITORING		21.75		EDF
SL20244862-AMW-3B	0	PCE	1/28/2019	UG/L	ND	100	37.7665564	-122.2244535	MONITORING		21.75		EDF

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SL20244862-AMW-3B	0	PCE	8/17/2018	UG/L	ND	200	37.7665564	-122.2244535	MONITORING		21.75		EDF
SL20244862-AMW-4A	0	PCE	1/30/2019	UG/L	ND	0.5	37.7662836	-122.2241343	MONITORING		6.82		EDF
SL20244862-AMW-4B	0.56	PCE	11/9/2018	UG/L	=	0.5	37.7662928	-122.2241481	MONITORING		22.89		EDF
SL20244862-AMW-4B	0	PCE	1/28/2019	UG/L	ND	0.5	37.7662928	-122.2241481	MONITORING		22.89		EDF
SL20244862-AMW-4B	0	PCE	8/17/2018	UG/L	ND	0.5	37.7662928	-122.2241481	MONITORING		22.89		EDF
SL20244862-AMW-5AR	0	PCE	1/30/2019	UG/L	ND	0.5	37.7660134	-122.2236205	MONITORING		10	8	EDF
SL20244862-AMW-5AR	0	PCE	8/16/2018	UG/L	ND	5	37.7660134	-122.2236205	MONITORING		10	8	EDF
SL20244862-AMW-5B	0	PCE	8/17/2018	UG/L	ND	0.5	37.766014	-122.2236072	MONITORING		23		EDF
SL20244862-AMW-5B	0	PCE	1/30/2019	UG/L	ND	0.5	37.766014	-122.2236072	MONITORING		23		EDF
SL20244862-AMW-7B	0	PCE	8/16/2018	UG/L	ND	0.5	37.7669555	-122.2238839	MONITORING		24		EDF
SL20244862-AMW-7B	0	PCE	1/28/2019	UG/L	ND	0.5	37.7669555	-122.2238839	MONITORING		24		EDF
SL20244862-AMW-9B	0	PCE	1/28/2019	UG/L	ND	2	37.7661133	-122.2233412	MONITORING		23.8		EDF
SL20244862-AMW-9B	0	PCE	8/17/2018	UG/L	ND	2	37.7661133	-122.2233412	MONITORING		23.8		EDF
SL20244862-APZ-1B	0	PCE	1/28/2019	UG/L	ND	0.5	37.7661732	-122.2237508	MONITORING				EDF
SL20244862-PZ-2	0	PCE	1/29/2019	UG/L	ND	0.5	37.7666071	-122.2237795	MONITORING				EDF
SL20244862-PZ-2	0	PCE	8/17/2018	UG/L	ND	0.5	37.7666071	-122.2237795	MONITORING				EDF
SLT2O07076-MW-17	4	PCE	10/26/2018	UG/L	=	1	37.8390419	-122.2911715	MONITORING				EDF
SLT2O07076-MW-18	6	PCE	10/26/2018	UG/L	=	1	37.8389902	-122.2914482	MONITORING				EDF
SLT2O07076-MW-19A	6	PCE	10/26/2018	UG/L	=	1	37.8389341	-122.2917242	MONITORING				EDF
SLT2O07076-MWX-10A	0	PCE	10/26/2018	UG/L	ND	1	37.8391195	-122.2917202	MONITORING				EDF
SLT2O07076-MWX-3	0	PCE	10/26/2018	UG/L	ND	2	37.8390958	-122.2913732	MONITORING				EDF
SLT2O07076-MWX-6	0	PCE	10/26/2018	UG/L	ND	1	37.8388625	-122.2924265	MONITORING				EDF
SLT2O07076-MWX-8	2	PCE	10/26/2018	UG/L	=	1	37.83899	-122.2917935	MONITORING				EDF
SLT2O07076-MWX-9	1	PCE	10/26/2018	UG/L	=	1	37.8388923	-122.2922482	MONITORING				EDF
T0600100174-MW-1	0	PCE	9/13/2018	UG/L	ND	1	37.8534345	-122.2895074	MONITORING	28.57	9.5	29.5	EDF
T0600100174-MW-1	0	PCE	11/2/2018	UG/L	ND	1	37.8534345	-122.2895074	MONITORING	28.57	9.5	29.5	EDF
T0600100174-MW-1	0	PCE	3/8/2019	UG/L	ND	1	37.8534345	-122.2895074	MONITORING	28.57	9.5	29.5	EDF
T0600100174-MW-2	13.4	PCE	9/13/2018	UG/L	=	1	37.8532649	-122.2894574	MONITORING	29	9.5	29.5	EDF
T0600100174-MW-2	17.7	PCE	3/8/2019	UG/L	=	1	37.8532649	-122.2894574	MONITORING	29	9.5	29.5	EDF
T0600100174-MW-2	11.4	PCE	11/2/2018	UG/L	=	1	37.8532649	-122.2894574	MONITORING	29	9.5	29.5	EDF
T0600100174-MW-3	156	PCE	3/8/2019	UG/L	=	1	37.8534552	-122.2889644	MONITORING	26.85	5.5	27.5	EDF
T0600100174-MW-3	198	PCE	9/13/2018	UG/L	=	1	37.8534552	-122.2889644	MONITORING	26.85	5.5	27.5	EDF
T0600100174-MW-3	22.3	PCE	11/2/2018	UG/L	=	1	37.8534552	-122.2889644	MONITORING	26.85	5.5	27.5	EDF
T0600100174-MW-4	0	PCE	3/8/2019	UG/L	ND	1	37.8527471	-122.2888423	MONITORING	23.74	13	23	EDF
T0600100174-MW-4	0	PCE	11/2/2018	UG/L	ND	1	37.8527471	-122.2888423	MONITORING	23.74	13	23	EDF
T0600100174-MW-5	0	PCE	3/8/2019	UG/L	ND	1	37.8529153	-122.2881249	MONITORING	22.62	7	22	EDF
T0600100174-MW-5	0	PCE	11/2/2018	UG/L	ND	1	37.8529153	-122.2881249	MONITORING	22.62	7	22	EDF
T0600100174-MW-6	0	PCE	11/2/2018	UG/L	ND	1	37.8535593	-122.2883264	MONITORING	20.12	10	20	EDF
T0600100174-MW-6	0	PCE	3/8/2019	UG/L	ND	1	37.8535593	-122.2883264	MONITORING	20.12	10	20	EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top Screen (FT)	Screen Length (FT)	Source
T0600100274-MW-1	0	PCE	1/23/2019	UG/L	ND	0.5	37.80314273	-122.2306376	MONITORING	24.27	12	13	EDF
T0600100274-MW-7	0	PCE	1/23/2019	UG/L	ND	5	37.80316406	-122.2305723	MONITORING	21.16	16.5	5.5	EDF
T0600100328-MW-1	0	PCE	2/27/2019	UG/L	ND	1	37.8091174	-122.2469622	MONITORING	18.97			EDF
T0600100328-MW-1	0	PCE	9/22/2018	UG/L	ND	1	37.8091174	-122.2469622	MONITORING	18.97			EDF
T0600100328-MW-10	0	PCE	2/27/2019	UG/L	ND	1	37.8088985	-122.2478081	MONITORING	18.96			EDF
T0600100328-MW-10	0	PCE	9/22/2018	UG/L	ND	10	37.8088985	-122.2478081	MONITORING	18.96			EDF
T0600100328-MW-2A	0	PCE	2/27/2019	UG/L	ND	20	37.8092243	-122.2469455	MONITORING	16.57			EDF
T0600100328-MW-2A	0	PCE	9/22/2018	UG/L	ND	1	37.8092243	-122.2469455	MONITORING	16.57			EDF
T0600100328-MW-3A	0	PCE	2/27/2019	UG/L	ND	5	37.8091933	-122.2465672	MONITORING	17.83			EDF
T0600100328-MW-3A	0	PCE	9/22/2018	UG/L	ND	1	37.8091933	-122.2465672	MONITORING	17.83			EDF
T0600100328-MW-4A	0	PCE	9/22/2018	UG/L	ND	1	37.8092631	-122.2466188	MONITORING	18.35			EDF
T0600100328-MW-4A	0	PCE	2/27/2019	UG/L	ND	10	37.8092631	-122.2466188	MONITORING	18.35			EDF
T0600100328-MW-5	0	PCE	9/22/2018	UG/L	ND	1	37.8089761	-122.2468142	MONITORING	32.53			EDF
T0600100328-MW-5	0	PCE	2/27/2019	UG/L	ND	1	37.8089761	-122.2468142	MONITORING	32.53			EDF
T0600100328-MW-6	0	PCE	9/22/2018	UG/L	ND	10	37.8089395	-122.2475677	MONITORING	18.11			EDF
T0600100328-MW-6	0	PCE	2/27/2019	UG/L	ND	10	37.8089395	-122.2475677	MONITORING	18.11			EDF
T0600100328-MW-8	0	PCE	2/27/2019	UG/L	ND	5	37.809267	-122.2464508	MONITORING	24.79			EDF
T0600100328-MW-9	0	PCE	2/27/2019	UG/L	ND	1	37.8091898	-122.2470611	MONITORING	14.22			EDF
T0600100328-MW-9	0	PCE	9/22/2018	UG/L	ND	1	37.8091898	-122.2470611	MONITORING	14.22			EDF
T0600100667-MW-1	0	PCE	7/23/2018	UG/L	ND	4	37.7680196	-122.1951227	MONITORING		18	17	EDF
T0600100667-MW-1	0	PCE	3/1/2019	UG/L	ND	20	37.7680196	-122.1951227	MONITORING		18	17	EDF
T0600100667-MW-2	0	PCE	3/1/2019	UG/L	ND	1	37.7679831	-122.1952902	MONITORING		15	20	EDF
T0600100667-MW-2	0	PCE	7/23/2018	UG/L	ND	1	37.7679831	-122.1952902	MONITORING		15	20	EDF
T0600100667-MW-3	0	PCE	7/23/2018	UG/L	ND	1	37.7679008	-122.1951907	MONITORING		10	10	EDF
T0600100667-MW-4	0	PCE	7/23/2018	UG/L	ND	1	37.7680616	-122.1950351	MONITORING		15.5	20	EDF
T0600100667-MW-4	0	PCE	3/1/2019	UG/L	ND	1	37.7680616	-122.1950351	MONITORING		15.5	20	EDF
T0600100667-MW-5	0	PCE	7/23/2018	UG/L	ND	4	37.7678994	-122.1952576	MONITORING		15	20	EDF
T0600100667-MW-5	0	PCE	3/1/2019	UG/L	ND	2	37.7678994	-122.1952576	MONITORING		15	20	EDF
T0600100667-MW-6	0	PCE	3/1/2019	UG/L	ND	1	37.7679434	-122.1953024	MONITORING		10	10	EDF
T0600100667-MW-6	0	PCE	7/23/2018	UG/L	ND	1	37.7679434	-122.1953024	MONITORING		10	10	EDF
T0600100667-MW-8	0.81	PCE	7/23/2018	UG/L	=	1	37.7679888	-122.1950462	MONITORING		5	15	EDF
T0600100667-MW-8	1.6	PCE	3/1/2019	UG/L	=	1	37.7679888	-122.1950462	MONITORING		5	15	EDF
T0600100667-MW-9	0	PCE	3/1/2019	UG/L	ND	1	37.7680506	-122.195179	MONITORING		5	15	EDF
T0600100667-MW-9	0	PCE	7/23/2018	UG/L	ND	1	37.7680506	-122.195179	MONITORING		5	15	EDF
T0600101089-MW-2	0	PCE	3/19/2019	UG/L	ND	0.5	37.8983019	-122.3020521	MONITORING	11.5	5	6.5	EDF
T0600101089-MW-2	0	PCE	12/11/2018	UG/L	ND	0.5	37.8983019	-122.3020521	MONITORING	11.5	5	6.5	EDF
T0600101089-MW-3	110	PCE	3/19/2019	UG/L	=	1.7	37.8982637	-122.3023194	MONITORING	12	5	7	EDF
T0600101089-MW-3	4.1	PCE	12/11/2018	UG/L	=	0.5	37.8982637	-122.3023194	MONITORING	12	5	7	EDF
T0600101089-STMW-5	2	PCE	12/11/2018	UG/L	=	0.5	37.8983733	-122.3023025	MONITORING	15	2	13	EDF

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T0600101089-STMW-5	1	PCE	3/19/2019	UG/L	=	0.5	37.8983733	-122.3023025	MONITORING	15	2	13	EDF
T0600101212-EW1A	0	PCE	12/18/2018	UG/L	ND	0.5	37.78226872	-122.2368731	MONITORING		8	22	EDF
T0600101212-EW1A	0	PCE	8/21/2018	UG/L	ND	0.5	37.78226872	-122.2368731	MONITORING		8	22	EDF
T0600101212-MW1A	0	PCE	8/21/2018	UG/L	ND	5	37.78233671	-122.2367626	MONITORING		5	15	EDF
T0600101212-MW1A	0	PCE	12/18/2018	UG/L	ND	1	37.78233671	-122.2367626	MONITORING		5	15	EDF
T0600101212-MW2	0	PCE	8/21/2018	UG/L	ND	5	37.78225768	-122.236958	MONITORING		4	15	EDF
T0600101212-MW2	0	PCE	12/18/2018	UG/L	ND	5	37.78225768	-122.236958	MONITORING		4	15	EDF
T0600101212-MW3	0	PCE	8/21/2018	UG/L	ND	5	37.78232004	-122.2368981	MONITORING		4	15	EDF
T0600101212-MW3	0	PCE	12/18/2018	UG/L	ND	5	37.78232004	-122.2368981	MONITORING		4	15	EDF
T0600101212-MW4A	0	PCE	8/21/2018	UG/L	ND	0.5	37.78240448	-122.2369698	MONITORING		5	15	EDF
T0600101212-MW4A	0	PCE	12/18/2018	UG/L	ND	0.5	37.78240448	-122.2369698	MONITORING		5	15	EDF
T0600101212-MW5A	0	PCE	12/18/2018	UG/L	ND	0.5	37.78230469	-122.2370757	MONITORING		5	15	EDF
T0600101212-MW5A	0	PCE	8/20/2018	UG/L	ND	0.5	37.78230469	-122.2370757	MONITORING		5	15	EDF
T0600101212-MW6A	0	PCE	12/18/2018	UG/L	ND	2.5	37.78220744	-122.2368668	MONITORING		5	15	EDF
T0600101212-MW6A	0	PCE	8/21/2018	UG/L	ND	0.5	37.78220744	-122.2368668	MONITORING		5	15	EDF
T0600101212-MW7	0	PCE	8/20/2018	UG/L	ND	0.5	37.78277259	-122.237452	MONITORING		5	15	EDF
T0600101212-MW7	0	PCE	12/18/2018	UG/L	ND	0.5	37.78277259	-122.237452	MONITORING		5	15	EDF
T0600101212-MW8	0	PCE	12/18/2018	UG/L	ND	1.2	37.78225504	-122.2372479	MONITORING		5	15	EDF
T0600101212-MW8	0	PCE	8/20/2018	UG/L	ND	0.5	37.78225504	-122.2372479	MONITORING		5	15	EDF
T0600101354-MW6B	0	PCE	8/23/2018	UG/L	ND	4	37.811749	-122.2692353	MONITORING				EDF
T0600101354-MW6B	0	PCE	8/17/2018	UG/L	ND	5	37.811749	-122.2692353	MONITORING				EDF
T0600101354-MW6E	0	PCE	8/23/2018	UG/L	ND	0.5	37.8114699	-122.2694622	MONITORING				EDF
T0600101354-MW6E	0	PCE	8/17/2018	UG/L	ND	0.5	37.8114699	-122.2694622	MONITORING				EDF
T0600101354-MW6F	0	PCE	8/17/2018	UG/L	ND	0.5	37.8115294	-122.2696738	MONITORING				EDF
T0600101354-MW6F	0	PCE	8/23/2018	UG/L	ND	0.5	37.8115294	-122.2696738	MONITORING				EDF
T0600101354-MW6G	0	PCE	8/17/2018	UG/L	ND	0.5	37.8118543	-122.2694954	MONITORING				EDF
T0600101354-MW6G	0	PCE	8/23/2018	UG/L	ND	0.5	37.8118543	-122.2694954	MONITORING				EDF
T0600101354-MW6H	0	PCE	8/23/2018	UG/L	ND	5	37.8115921	-122.2692085	MONITORING				EDF
T0600101354-MW6H	0	PCE	8/20/2018	UG/L	ND	5	37.8115921	-122.2692085	MONITORING				EDF
T0600101354-MW6KB	0	PCE	8/17/2018	UG/L	ND	0.5	37.811753	-122.2693055	MONITORING				EDF
T0600101354-MW6KB	0	PCE	8/23/2018	UG/L	ND	0.5	37.811753	-122.2693055	MONITORING				EDF
T0600101354-MW6LB	0	PCE	8/17/2018	UG/L	ND	5	37.8117004	-122.2692792	MONITORING				EDF
T0600101354-MW6LB	0	PCE	8/23/2018	UG/L	ND	5	37.8117004	-122.2692792	MONITORING				EDF
T0600101354-RW1	0	PCE	8/20/2018	UG/L	ND	1	37.8115676	-122.2692665	MONITORING				EDF
T0600101354-RW1	0	PCE	8/23/2018	UG/L	ND	0.5	37.8115676	-122.2692665	MONITORING				EDF
T0600101354-RW2	0	PCE	8/17/2018	UG/L	ND	0.5	37.81147	-122.269355	MONITORING				EDF
T0600101354-RW2	0	PCE	8/23/2018	UG/L	ND	0.5	37.81147	-122.269355	MONITORING				EDF
T0600101354-RW3A	0	PCE	8/17/2018	UG/L	ND	0.5	37.8117034	-122.2694594	MONITORING				EDF
T0600101354-RW3A	0	PCE	8/23/2018	UG/L	ND	2	37.8117034	-122.2694594	MONITORING				EDF

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T0600101557-EW1	0	PCE	3/19/2019	UG/L	ND	100	37.87913187	-122.2949668	MONITORING				EDF
T0600101557-EW1	0	PCE	10/12/2018	UG/L	ND	500	37.87913187	-122.2949668	MONITORING				EDF
T0600101557-MW1	0	PCE	3/18/2019	UG/L	ND	5	37.87892068	-122.2947985	MONITORING				EDF
T0600101557-MW1	0	PCE	10/11/2018	UG/L	ND	2.5	37.87892068	-122.2947985	MONITORING				EDF
T0600101557-MW2	0	PCE	10/11/2018	UG/L	ND	0.5	37.87910275	-122.2951631	MONITORING				EDF
T0600101557-MW2	0	PCE	3/19/2019	UG/L	ND	0.5	37.87910275	-122.2951631	MONITORING				EDF
T0600101557-MW3	0	PCE	3/18/2019	UG/L	ND	50	37.87888851	-122.2949971	MONITORING		11	5	EDF
T0600101557-MW4	0	PCE	3/19/2019	UG/L	ND	120	37.87900416	-122.2950725	MONITORING		11	5	EDF
T0600101557-MW5	0	PCE	3/19/2019	UG/L	ND	25	37.87903528	-122.2948687	MONITORING		11	5	EDF
T0600101557-OW1	0	PCE	10/11/2018	UG/L	ND	0.5	37.87904213	-122.294991	MONITORING				EDF
T0600101557-OW1	0	PCE	3/19/2019	UG/L	ND	0.5	37.87904213	-122.294991	MONITORING				EDF
T0600101557-P1	0	PCE	3/18/2019	UG/L	ND	50	37.87870709	-122.2950329	MONITORING				EDF
T0600101557-P1	0	PCE	10/11/2018	UG/L	ND	120	37.87870709	-122.2950329	MONITORING				EDF
T0600101557-TEW3	0	PCE	3/18/2019	UG/L	ND	0.5	37.87890099	-122.2949464	MONITORING				EDF
T0600101557-TEW3	0	PCE	10/11/2018	UG/L	ND	0.5	37.87890099	-122.2949464	MONITORING				EDF
T0600101557-TEW4	0	PCE	10/11/2018	UG/L	ND	25	37.87888555	-122.2950545	MONITORING				EDF
T0600101557-TEW4	0	PCE	3/18/2019	UG/L	ND	100	37.87888555	-122.2950545	MONITORING				EDF
T0600101803-EW-2	730	PCE	3/7/2019	UG/L	=	50	37.76830625	-122.2395411	MONITORING		5	20	EDF
T0600101803-EW-2	730	PCE	3/7/2019	UG/L	=	50	37.76857195	-122.2396759	MONITORING		5	20	EDF
T0600101803-EW-4	93	PCE	3/7/2019	UG/L	=	5	37.76830625	-122.2395411	MONITORING		5	20	EDF
T0600101803-EW-4	93	PCE	3/7/2019	UG/L	=	5	37.76848306	-122.2394718	MONITORING		5	20	EDF
T0600101803-EW-5	0	PCE	3/7/2019	UG/L	ND	1.2	37.76848306	-122.2394718	MONITORING		5	20	EDF
T0600101803-EW-5	0	PCE	3/7/2019	UG/L	ND	1.2	37.76851792	-122.2395519	MONITORING		5	20	EDF
T0600101803-MW-1	0	PCE	3/7/2019	UG/L	ND	100	37.76844679	-122.2394221	MONITORING		20	15	EDF
T0600101803-MW-2	0	PCE	3/7/2019	UG/L	ND	2.5	37.76830808	-122.2396278	MONITORING		20	15	EDF
T0600101803-MW-3	0	PCE	3/7/2019	UG/L	ND	0.5	37.76845466	-122.2400246	MONITORING		20	15	EDF
T0600101803-MW-4	0	PCE	3/7/2019	UG/L	ND	25	37.76856246	-122.2396104	MONITORING		18	10	EDF
T0600101803-OW-2	0	PCE	3/7/2019	UG/L	ND	0.5	37.76857195	-122.2396759	MONITORING		5	15	EDF
T0600101803-OW-2	0	PCE	3/7/2019	UG/L	ND	0.5	37.76851792	-122.2395519	MONITORING		5	15	EDF
T0600102099-AMW-1	0	PCE	11/30/2018	UG/L	ND	1.2	37.848599	-122.293809	MONITORING		9	15	EDF
T0600102099-AMW-2	0	PCE	11/30/2018	UG/L	ND	5	37.848553	-122.293436	MONITORING		9	15	EDF
T0600102099-AMW-3	0	PCE	11/30/2018	UG/L	ND	0.5	37.848784	-122.292876	MONITORING		8	15	EDF
T0600102099-MW-3	0	PCE	11/30/2018	UG/L	ND	500	37.848702	-122.292651	MONITORING		9	20	EDF
T0600102099-TMW-07	0	PCE	11/30/2018	UG/L	ND	2.5	37.848406	-122.292408	MONITORING		22	3.5	EDF
T0600102099-TMW-07	0	PCE	8/17/2018	UG/L	ND	1.7	37.848406	-122.292408	MONITORING		22	3.5	EDF
T0600102099-TMW-08	0	PCE	11/30/2018	UG/L	ND	120	37.84847	-122.292779	MONITORING		19.5	2.5	EDF
T0600102099-TMW-08	0	PCE	8/17/2018	UG/L	ND	36	37.84847	-122.292779	MONITORING		19.5	2.5	EDF
T0600102099-TMW-09	0	PCE	11/30/2018	UG/L	ND	500	37.848485	-122.292761	MONITORING		6	6	EDF
T0600102099-TMW-09	0	PCE	8/17/2018	UG/L	ND	250	37.848485	-122.292761	MONITORING		6	6	EDF

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T0600102246-MW-1	0	PCE	11/15/2018	UG/L	ND	0.5	37.8096784	-122.2922863	MONITORING	18.28	8	10	EDF
T0600102246-MW-2	0	PCE	11/15/2018	UG/L	ND	0.5	37.8098872	-122.2924233	MONITORING	18.24	8	10	EDF
T0600102246-MW-3	0	PCE	11/15/2018	UG/L	ND	0.5	37.8097929	-122.2925101	MONITORING	18.28	8	10	EDF
T0619716673-MW1	32	PCE	10/10/2018	UG/L	=	0.5	37.8880384	-122.2984473	MONITORING				EDF
T0619716673-MW2	29	PCE	10/10/2018	UG/L	=	0.5	37.8879305	-122.2984079	MONITORING				EDF
T0619716673-MW3	0	PCE	10/10/2018	UG/L	ND	10	37.8878945	-122.298559	MONITORING				EDF
T0619716673-MW3A	0	PCE	10/10/2018	UG/L	ND	0.5	37.8879037	-122.2985623	MONITORING				EDF
T0619716673-MW4	0	PCE	10/10/2018	UG/L	ND	2	37.8878851	-122.2986883	MONITORING				EDF
T0619716673-MW5	0	PCE	10/10/2018	UG/L	ND	1	37.8879453	-122.2987089	MONITORING				EDF
T0619716673-MW6	0	PCE	10/10/2018	UG/L	ND	0.5	37.8879988	-122.2987277	MONITORING				EDF
T0619716673-MW7	0	PCE	10/10/2018	UG/L	ND	4	37.8878386	-122.2987881	MONITORING				EDF
T0619716673-MW8	0	PCE	10/10/2018	UG/L	ND	0.5	37.887992	-122.2991575	MONITORING				EDF
T0619716673-MW9	0	PCE	10/10/2018	UG/L	ND	0.5	37.8879136	-122.2991332	MONITORING				EDF
T0619748201-MW-101	0	PCE	11/20/2018	UG/L	ND	12	37.8479522	-122.2653964	MONITORING	20			EDF
T0619748201-MW-102	0	PCE	11/20/2018	UG/L	ND	0.5	37.8480592	-122.2653564	MONITORING	20			EDF
T0619748201-MW-103	0	PCE	11/20/2018	UG/L	ND	5	37.8479122	-122.2653311	MONITORING	20			EDF
T0619748201-MW-104	0	PCE	11/20/2018	UG/L	ND	0.5	37.847894	-122.26551	MONITORING	20			EDF
T0619748201-MW-105	0	PCE	11/20/2018	UG/L	ND	0.5	37.847826	-122.265374	MONITORING	20			EDF
T10000001026-SGI-MW-1	0	PCE	9/4/2018	UG/L	ND	0.5	37.9546218	-122.3589921	MONITORING				EDF
T10000001026-SGI-MW-2	0	PCE	9/4/2018	UG/L	ND	0.5	37.9546522	-122.3598575	MONITORING				EDF
T10000001026-SGI-MW-3	0	PCE	9/4/2018	UG/L	ND	0.5	37.9538381	-122.3599158	MONITORING				EDF
T10000001026-SGI-MW-4	0	PCE	9/4/2018	UG/L	ND	0.5	37.953127	-122.3599482	MONITORING				EDF
T10000001026-SGI-MW-7	0	PCE	9/4/2018	UG/L	ND	0.5	37.9519895	-122.35913	MONITORING				EDF
T10000005974-MW-1	0	PCE	8/30/2018	UG/L	ND	1	37.77711382	-122.2764581	MONITORING	15.15	7	10	EDF
T10000005974-MW-2A	0	PCE	8/30/2018	UG/L	ND	1	37.77693441	-122.276498	MONITORING	17.35	7	10	EDF
T10000005974-MW-3A	0	PCE	8/30/2018	UG/L	ND	1	37.776943	-122.2762181	MONITORING	19.9	7	10	EDF
T10000009401-MW-1	4	PCE	12/3/2018	UG/L	=	1	37.7610555	-122.2453043	MONITORING	14.75	5	10	EDF
T10000009401-MW-1	3	PCE	2/15/2019	UG/L	=	1	37.7610555	-122.2453043	MONITORING	14.75	5	10	EDF
T10000009401-MW-2	0	PCE	12/3/2018	UG/L	ND	1	37.7609755	-122.2453638	MONITORING	14.35	5	15	EDF
T10000009401-MW-2	0	PCE	2/15/2019	UG/L	ND	1	37.7609755	-122.2453638	MONITORING	14.35	5	15	EDF
T10000009401-MW-3	0.8	PCE	2/15/2019	UG/L	ND	1	37.7609586	-122.2452386	MONITORING	14.92	5	10	EDF
T10000009401-MW-3	1	PCE	12/3/2018	UG/L	=	1	37.7609586	-122.2452386	MONITORING	14.92	5	10	EDF
T10000009401-MW-4	0	PCE	12/3/2018	UG/L	ND	1	37.7608746	-122.2453315	MONITORING	14.98	5	10	EDF
T10000009401-MW-4	0	PCE	2/15/2019	UG/L	ND	1	37.7608746	-122.2453315	MONITORING	14.98	5	10	EDF
T10000009433-MW-7	0	PCE	9/20/2018	UG/L	ND	1	37.8122075	-122.2798206	MONITORING				EDF
T10000009433-MW-7	0	PCE	1/24/2019	UG/L	ND	1	37.8122075	-122.2798206	MONITORING				EDF
T10000009433-MW-8	0	PCE	1/24/2019	UG/L	ND	1	37.8124013	-122.2804083	MONITORING				EDF
T10000009433-MW-8	0	PCE	9/20/2018	UG/L	ND	1	37.8124013	-122.2804083	MONITORING				EDF
T10000009433-MW-9	0	PCE	1/24/2019	UG/L	ND	1	37.812897	-122.2802245	MONITORING				EDF

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PCE

Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top Screen (FT)	Screen Length (FT)	Source
T10000009433-MW-9	0	PCE	9/20/2018	UG/L	ND	1	37.812897	-122.2802245	MONITORING				EDF
T10000009940-MW-1	0	PCE	8/30/2018	UG/L	ND	1	37.77711382	-122.2764581	MONITORING	15.6	7	10	EDF
T10000009940-MW-1	0	PCE	3/26/2019	UG/L	ND	5	37.77711382	-122.2764581	MONITORING	15.6	7	10	EDF
T10000009940-MW-2A	0.34	PCE	3/26/2019	UG/L	=	1	37.77693441	-122.276498	MONITORING	17.28	7	10	EDF
T10000009940-MW-2A	0	PCE	8/30/2018	UG/L	ND	1	37.77693441	-122.276498	MONITORING	17.28	7	10	EDF
T10000009940-MW-3A	0	PCE	8/30/2018	UG/L	ND	1	37.776943	-122.2762181	MONITORING	16.88	7	10	EDF
T10000009940-MW-3A	0	PCE	3/26/2019	UG/L	ND	1	37.776943	-122.2762181	MONITORING	16.88	7	10	EDF
T10000010738-EX-1	0	PCE	8/23/2018	UG/L	ND	0.5	37.81153096	-122.268594	MONITORING				EDF
T10000010738-EX-1	0	PCE	7/30/2018	UG/L	ND	0.5	37.81153096	-122.268594	MONITORING				EDF
T10000010738-EX-1	0	PCE	8/27/2018	UG/L	ND	0.5	37.81153096	-122.268594	MONITORING				EDF
T10000010738-EX-2	0	PCE	7/30/2018	UG/L	ND	0.5	37.81152387	-122.2685567	MONITORING				EDF
T10000010738-EX-2	0	PCE	8/23/2018	UG/L	ND	0.5	37.81152387	-122.2685567	MONITORING				EDF
T10000010738-EX-2	0	PCE	8/27/2018	UG/L	ND	0.5	37.81152387	-122.2685567	MONITORING				EDF
T10000010738-EX-3	0	PCE	8/23/2018	UG/L	ND	0.5	37.81154357	-122.2684701	MONITORING				EDF
T10000010738-EX-3	0	PCE	7/30/2018	UG/L	ND	0.5	37.81154357	-122.2684701	MONITORING				EDF
T10000010738-EX-3	0	PCE	8/27/2018	UG/L	ND	0.5	37.81154357	-122.2684701	MONITORING				EDF
T10000010738-OB-2	0	PCE	8/23/2018	UG/L	ND	0.5	37.81158983	-122.2684233	MONITORING				EDF
T10000010738-OB-2	0	PCE	7/30/2018	UG/L	ND	0.5	37.81158983	-122.2684233	MONITORING				EDF
T10000010738-OB-2	0	PCE	8/27/2018	UG/L	ND	0.5	37.81158983	-122.2684233	MONITORING				EDF
T10000010738-OB-4	0	PCE	7/30/2018	UG/L	ND	0.5	37.81153553	-122.2683987	MONITORING				EDF
T10000010738-OB-4	0	PCE	8/23/2018	UG/L	ND	0.5	37.81153553	-122.2683987	MONITORING				EDF
T10000010738-OB-4	0	PCE	8/27/2018	UG/L	ND	0.5	37.81153553	-122.2683987	MONITORING				EDF
T10000011091-MW-1	0	PCE	11/29/2018	UG/L	ND	1	37.8317301	-122.2537694	MONITORING	21.9	7	15	EDF
T10000011211-MW-1	9.9	PCE	3/31/2019	UG/L	=	0.5	37.645999	-122.128267	MONITORING	13.63	8	7	EDF
T10000011211-MW-1	15	PCE	8/8/2018	UG/L	=	1	37.645999	-122.128267	MONITORING	13.63	8	7	EDF
T10000011211-MW-2	8.1	PCE	3/31/2019	UG/L	=	0.5	37.6461632	-122.1280873	MONITORING	14.17	6.5	7	EDF
T10000011211-MW-2	11.1	PCE	8/8/2018	UG/L	=	1	37.6461632	-122.1280873	MONITORING	14.17	6.5	7	EDF
T10000011211-MW-3	11.3	PCE	8/8/2018	UG/L	=	1	37.6457435	-122.1285581	MONITORING	14.59	5	5	EDF
T10000011211-MW-3	14	PCE	4/1/2019	UG/L	=	0.5	37.6457435	-122.1285581	MONITORING	14.59	5	5	EDF
T10000011211-MW-4	2.25	PCE	8/8/2018	UG/L	=	1	37.6461337	-122.1298916	MONITORING	14.56	10	5	EDF
T10000011211-MW-4	1.3	PCE	3/31/2019	UG/L	=	0.5	37.6461337	-122.1298916	MONITORING	14.56	10	5	EDF

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0103041-001	0	TCE	2/26/2019	UG/L	<	UNK	37.7268594	-122.157248	MUNICIPAL		0	0	DHS
L10006224883-GW-1(A)	0	TCE	1/8/2019	UG/L	ND	0.5	37.87298088	-122.3233184	MONITORING	49.9			EDF
L10006224883-GW-1(A)	0	TCE	7/24/2018	UG/L	ND	0.5	37.87298088	-122.3233184	MONITORING	49.9			EDF
L10006224883-GW-2	0	TCE	1/8/2019	UG/L	ND	0.5	37.87011788	-122.3207845	MONITORING	49.07			EDF
L10006224883-GW-2	0	TCE	7/24/2018	UG/L	ND	0.5	37.87011788	-122.3207845	MONITORING	49.07			EDF
L10006224883-GW-3	0	TCE	7/24/2018	UG/L	ND	0.5	37.87153234	-122.3151463	MONITORING	37.5			EDF
L10006224883-GW-3	0	TCE	1/8/2019	UG/L	ND	0.5	37.87153234	-122.3151463	MONITORING	37.5			EDF
L10006224883-GW-4	0	TCE	1/8/2019	UG/L	ND	0.5	37.87387452	-122.3170825	MONITORING	45			EDF
L10006224883-GW-4	0	TCE	7/24/2018	UG/L	ND	0.5	37.87387452	-122.3170825	MONITORING	45			EDF
L10006224883-GW-5	0	TCE	7/25/2018	UG/L	ND	0.5	37.87226085	-122.3185373	MONITORING	72			EDF
L10006224883-GW-5	0	TCE	1/8/2019	UG/L	ND	0.5	37.87226085	-122.3185373	MONITORING	72			EDF
L10006224883-L-4	0	TCE	1/10/2019	UG/L	ND	0.5	37.87191501	-122.3167805	MONITORING				EDF
L10006224883-L-4	0	TCE	7/25/2018	UG/L	ND	0.5	37.87191501	-122.3167805	MONITORING				EDF
L10006224883-L-5	0	TCE	7/25/2018	UG/L	ND	0.5	37.87173259	-122.3177832	MONITORING				EDF
L10006224883-L-5	0	TCE	1/10/2019	UG/L	ND	0.5	37.87173259	-122.3177832	MONITORING				EDF
L10009353957-CW-9	4.8	TCE	11/13/2018	UG/L	=	0.5	37.94450448	-122.3757654	MONITORING				EDF
L10009353957-CW-9	25	TCE	8/15/2018	UG/L	=	0.5	37.94450448	-122.3757654	MONITORING				EDF
L10009353957-GW-31A	0	TCE	10/9/2018	UG/L	ND	0.5	37.95392553	-122.3741854	MONITORING		4.6	15.5	EDF
L10009353957-GW-38A	0	TCE	10/9/2018	UG/L	ND	0.5	37.95391483	-122.3756621	MONITORING		3.69	15	EDF
L10009353957-GW-38C	0	TCE	10/10/2018	UG/L	ND	0.5	37.95391455	-122.3756007	MONITORING		29.1	5	EDF
L10009353957-GW-61A-3	0.2	TCE	7/18/2018	UG/L	ND	0.5	37.946677	-122.365392	MONITORING		12	5	EDF
L10009353957-GW-61A-3	0.1	TCE	11/7/2018	UG/L	ND	0.5	37.946677	-122.365392	MONITORING		12	5	EDF
L10009353957-GW-61C-2	0	TCE	7/18/2018	UG/L	ND	0.5	37.94668249	-122.3654073	MONITORING		39.61	10	EDF
L10009353957-GW-61C-2	0	TCE	11/7/2018	UG/L	ND	0.5	37.94668249	-122.3654073	MONITORING		39.61	10	EDF
L10009353957-GW-61C-2	0.4	TCE	7/18/2018	UG/L	ND	0.5	37.94668249	-122.3654073	MONITORING		39.61	10	EDF
L10009353957-GW-61C-2	0.3	TCE	11/7/2018	UG/L	ND	0.5	37.94668249	-122.3654073	MONITORING		39.61	10	EDF
L10009353957-GW-63C	0	TCE	10/18/2018	UG/L	ND	0.5	37.95392247	-122.3786384	MONITORING		30.67	10	EDF
SL0600177511-MW-1	14	TCE	8/7/2018	UG/L	=	0.5	37.7740512	-122.2481857	MONITORING	18.7	6.32	12	EDF
SL0600177511-MW-1	3.5	TCE	2/28/2019	UG/L	=	0.5	37.7740512	-122.2481857	MONITORING	18.7	6.32	12	EDF
SL0600177511-MW-2	8.4	TCE	2/28/2019	UG/L	=	0.5	37.7737629	-122.2484422	MONITORING	17.3	5.01	12	EDF
SL0600177511-MW-2	11	TCE	8/7/2018	UG/L	=	5	37.7737629	-122.2484422	MONITORING	17.3	5.01	12	EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top Screen (FT)	Screen Length (FT)	Source
SL0600177511-MW-3	0	TCE	2/28/2019	UG/L	ND	0.5	37.7739538	-122.2479742	MONITORING	17.9	5.52	12	EDF
SL0600177511-MW-3	0	TCE	8/7/2018	UG/L	ND	0.5	37.7739538	-122.2479742	MONITORING	17.9	5.52	12	EDF
SL0600177511-MW-4	0	TCE	2/28/2019	UG/L	ND	0.5	37.7741664	-122.2480825	MONITORING	9	8.56	10	EDF
SL0600177511-MW-4	0	TCE	8/7/2018	UG/L	ND	0.5	37.7741664	-122.2480825	MONITORING	9	8.56	10	EDF
SL18244665-A	0	TCE	8/1/2018	UG/L	ND	1	37.94166758	-122.372765	MONITORING				EDF
SL18244665-A	1	TCE	11/27/2018	UG/L	=	1	37.94166758	-122.372765	MONITORING				EDF
SL18244665-A-B3	3	TCE	8/1/2018	UG/L	=	1	37.94257319	-122.373758	MONITORING				EDF
SL18244665-A-B3	56	TCE	11/27/2018	UG/L	=	1	37.94257319	-122.373758	MONITORING				EDF
SL18244665-B2	34	TCE	11/27/2018	UG/L	=	1	37.94419998	-122.3719496	MONITORING				EDF
SL18244665-B2	2	TCE	8/1/2018	UG/L	=	1	37.94419998	-122.3719496	MONITORING				EDF
SL18244665-C	20	TCE	8/1/2018	UG/L	=	1	37.9432882	-122.3733548	MONITORING				EDF
SL18244665-C	0	TCE	8/1/2018	UG/L	ND	1	37.9432882	-122.3733548	MONITORING				EDF
SL18244665-C	22	TCE	8/1/2018	UG/L	=	1	37.9432882	-122.3733548	MONITORING				EDF
SL18244665-C	39	TCE	11/27/2018	UG/L	=	1	37.9432882	-122.3733548	MONITORING				EDF
SL18244665-C	40	TCE	11/27/2018	UG/L	=	1	37.9432882	-122.3733548	MONITORING				EDF
SL18244665-C	0	TCE	11/27/2018	UG/L	ND	1	37.9432882	-122.3733548	MONITORING				EDF
SL18244665-C2	32	TCE	11/27/2018	UG/L	=	1	37.94344026	-122.3737015	MONITORING				EDF
SL18244665-C2	6	TCE	8/1/2018	UG/L	=	1	37.94344026	-122.3737015	MONITORING				EDF
SL18244665-D	28	TCE	11/27/2018	UG/L	=	1	37.94352718	-122.3739543	MONITORING				EDF
SL18244665-D	2	TCE	8/1/2018	UG/L	=	1	37.94352718	-122.3739543	MONITORING				EDF
SL18244665-E	34	TCE	8/1/2018	UG/L	=	1	37.94426529	-122.3740652	MONITORING				EDF
SL18244665-E	43	TCE	11/27/2018	UG/L	=	1	37.94426529	-122.3740652	MONITORING				EDF
SL18244665-F	0	TCE	8/1/2018	UG/L	ND	1	37.94450448	-122.3757654	MONITORING				EDF
SL18244665-F	13	TCE	11/27/2018	UG/L	=	1	37.94450448	-122.3757654	MONITORING				EDF
SL18244665-F	16	TCE	8/1/2018	UG/L	=	1	37.94450448	-122.3757654	MONITORING				EDF
SL18244665-F	0	TCE	11/27/2018	UG/L	ND	1	37.94450448	-122.3757654	MONITORING				EDF
SL18244665-GW-10B	0	TCE	10/1/2018	UG/L	ND	0.5	37.9424069	-122.3747428	MONITORING		120.55	20	EDF
SL18244665-GW-10C	0	TCE	12/17/2018	UG/L	ND	0.5	37.94571257	-122.3722745	MONITORING		16.06	20	EDF
SL18244665-GW-10C	55	TCE	12/17/2018	UG/L	=	2.5	37.94571257	-122.3722745	MONITORING		16.06	20	EDF
SL18244665-GW-11A	0.3	TCE	9/25/2018	UG/L	ND	0.5	37.9434276	-122.3739047	MONITORING		5.64	6.5	EDF
SL18244665-GW-11A	0	TCE	9/25/2018	UG/L	ND	0.5	37.9434276	-122.3739047	MONITORING		5.64	6.5	EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top Screen (FT)	Screen Length (FT)	Source
SL18244665-GW-11C	160	TCE	9/25/2018	UG/L	=	10	37.94342714	-122.3739439	MONITORING		16.42	18.3	EDF
SL18244665-GW-12A	0	TCE	8/7/2018	UG/L	ND	2.5	37.9451492	-122.3717197	MONITORING		5.52	12	EDF
SL18244665-GW-12A	0	TCE	8/7/2018	UG/L	ND	0.5	37.9451492	-122.3717197	MONITORING		5.52	12	EDF
SL18244665-GW-13A	0	TCE	8/7/2018	UG/L	ND	2.5	37.94470454	-122.3721462	MONITORING		5.75	13	EDF
SL18244665-GW-15A	0	TCE	8/7/2018	UG/L	ND	2.5	37.94283711	-122.3734862	MONITORING		4.21	11	EDF
SL18244665-GW-15C	8800	TCE	8/20/2018	UG/L	=	1000	37.94240823	-122.3736443	MONITORING		45.96	17	EDF
SL18244665-GW-19A	1.2	TCE	8/7/2018	UG/L	ND	2.5	37.94227532	-122.3722844	MONITORING		2.7	7.5	EDF
SL18244665-GW-19C	0	TCE	8/21/2018	UG/L	ND	0.5	37.94226543	-122.37187	MONITORING		43.54	19.5	EDF
SL18244665-GW-20A	0	TCE	8/13/2018	UG/L	ND	2.5	37.94224213	-122.3707597	MONITORING		4.64	9.5	EDF
SL18244665-GW-21C	0	TCE	8/21/2018	UG/L	ND	0.5	37.94422319	-122.3723033	MONITORING		48.61	19.3	EDF
SL18244665-GW-22C	94	TCE	8/23/2018	UG/L	=	5	37.94274576	-122.3744984	MONITORING		43.97	20	EDF
SL18244665-GW-22C	0	TCE	8/23/2018	UG/L	ND	0.5	37.94274576	-122.3744984	MONITORING		43.97	20	EDF
SL18244665-GW-23C	0	TCE	8/23/2018	UG/L	ND	0.5	37.9422953	-122.3748326	MONITORING		43.07	20	EDF
SL18244665-GW-25C	0	TCE	9/26/2018	UG/L	ND	0.5	37.94153924	-122.3737241	MONITORING		54.51	20	EDF
SL18244665-GW-26C	0.05	TCE	8/23/2018	UG/L	ND	0.5	37.94218323	-122.3749231	MONITORING		65.1	10	EDF
SL18244665-GW-2C	0	TCE	10/3/2018	UG/L	ND	5	37.94224213	-122.3707597	MONITORING		31.66	4	EDF
SL18244665-GW-2C	0	TCE	10/29/2018	UG/L	ND	5	37.94224213	-122.3707597	MONITORING		31.66	4	EDF
SL18244665-GW-38C	0	TCE	10/3/2018	UG/L	ND	5	37.95391455	-122.3756007	MONITORING		29.1	5	EDF
SL18244665-GW-40C	0	TCE	8/28/2018	UG/L	ND	0.5	37.94562252	-122.3729223	MONITORING		31.84	15	EDF
SL18244665-GW-40C	380	TCE	8/28/2018	UG/L	=	25	37.94562252	-122.3729223	MONITORING		31.84	15	EDF
SL18244665-GW-40C	360	TCE	8/28/2018	UG/L	=	25	37.94562252	-122.3729223	MONITORING		31.84	15	EDF
SL18244665-GW-63C	0	TCE	10/3/2018	UG/L	ND	5	37.95392247	-122.3786384	MONITORING		30.67	10	EDF
SL18244665-GW-6B-2	0	TCE	9/26/2018	UG/L	ND	0.5	37.94493217	-122.3736841	MONITORING		108.99	20	EDF
SL18244665-GW-6C-1	0	TCE	8/28/2018	UG/L	ND	0.5	37.94450788	-122.3737154	MONITORING		23.29	20	EDF
SL18244665-GW-7A	0	TCE	8/8/2018	UG/L	ND	2.5	37.94410917	-122.3670541	MONITORING		8.79	18	EDF
SL18244665-GW-7A	0	TCE	8/8/2018	UG/L	ND	0.5	37.94410917	-122.3670541	MONITORING		8.79	18	EDF
SL18244665-GW-7B	0	TCE	9/19/2018	UG/L	ND	2.5	37.94393562	-122.3671182	MONITORING		121.01	16	EDF
SL18244665-GW-7B	0	TCE	9/19/2018	UG/L	ND	0.5	37.94393562	-122.3671182	MONITORING		121.01	16	EDF
SL18244665-GW-7C	0	TCE	8/20/2018	UG/L	ND	0.5	37.94404005	-122.3670343	MONITORING		33.71	20	EDF
SL18244665-GW-8A	0	TCE	8/13/2018	UG/L	ND	0.5	37.94248218	-122.3683813	MONITORING		7.39	19	EDF
SL18244665-GW-8C	0	TCE	8/20/2018	UG/L	ND	0.5	37.94244141	-122.3684697	MONITORING		43.25	20	EDF

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SL18344764-MW-15A	0	TCE	11/14/2018	UG/L	ND	0.5	37.7427836	-122.1514643	MONITORING	25.87	16	10	EDF
SL18344764-MW-15A	0	TCE	8/6/2018	UG/L	ND	0.5	37.7427836	-122.1514643	MONITORING	25.87	16	10	EDF
SL18344764-MW-15B	96	TCE	8/6/2018	UG/L	=	50	37.7427775	-122.1514593	MONITORING	48.93	39	10	EDF
SL18344764-MW-15B	50	TCE	11/14/2018	UG/L	=	25	37.7427775	-122.1514593	MONITORING	48.93	39	10	EDF
SL20244862-AMW-11BR	0	TCE	1/30/2019	UG/L	ND	0.5	37.7658117	-122.2232405	MONITORING				EDF
SL20244862-AMW-11BR	0	TCE	8/16/2018	UG/L	ND	0.5	37.7658117	-122.2232405	MONITORING				EDF
SL20244862-AMW-13AR	0	TCE	8/17/2018	UG/L	ND	0.5	37.7666675	-122.2235634	MONITORING		10	8	EDF
SL20244862-AMW-13AR	0	TCE	1/29/2019	UG/L	ND	0.5	37.7666675	-122.2235634	MONITORING		10	8	EDF
SL20244862-AMW-13B	0	TCE	1/29/2019	UG/L	ND	0.5	37.7666722	-122.2235346	MONITORING				EDF
SL20244862-AMW-13B	0	TCE	8/16/2018	UG/L	ND	0.5	37.7666722	-122.2235346	MONITORING				EDF
SL20244862-AMW-14B	0	TCE	1/28/2019	UG/L	ND	1	37.7662006	-122.2237995	MONITORING		27	10	EDF
SL20244862-AMW-14B	0	TCE	8/16/2018	UG/L	ND	10	37.7662006	-122.2237995	MONITORING		27	10	EDF
SL20244862-AMW-17A	0	TCE	1/29/2019	UG/L	ND	0.5	37.766592	-122.2237993	MONITORING		10	8	EDF
SL20244862-AMW-17B	0	TCE	8/16/2018	UG/L	ND	0.5	37.7665997	-122.223806	MONITORING		26	10	EDF
SL20244862-AMW-17B	0	TCE	1/29/2019	UG/L	ND	0.5	37.7665997	-122.223806	MONITORING		26	10	EDF
SL20244862-AMW-18B	0	TCE	1/28/2019	UG/L	ND	0.5	37.7662123	-122.2238961	MONITORING				EDF
SL20244862-AMW-18B	0	TCE	8/17/2018	UG/L	ND	0.5	37.7662123	-122.2238961	MONITORING				EDF
SL20244862-AMW-1A	0	TCE	1/30/2019	UG/L	ND	0.5	37.766695	-122.224039	MONITORING				EDF
SL20244862-AMW-1A	0	TCE	8/17/2018	UG/L	ND	0.5	37.766695	-122.224039	MONITORING				EDF
SL20244862-AMW-1B	0	TCE	11/9/2018	UG/L	ND	0.5	37.7666866	-122.2240268	MONITORING				EDF
SL20244862-AMW-1B	0	TCE	8/17/2018	UG/L	ND	0.5	37.7666866	-122.2240268	MONITORING				EDF
SL20244862-AMW-1B	0	TCE	1/30/2019	UG/L	ND	0.5	37.7666866	-122.2240268	MONITORING				EDF
SL20244862-AMW-2B	0	TCE	8/17/2018	UG/L	ND	2.5	37.7665343	-122.2238173	MONITORING		27.95		EDF
SL20244862-AMW-2B	0	TCE	1/29/2019	UG/L	ND	2.5	37.7665343	-122.2238173	MONITORING		27.95		EDF
SL20244862-AMW-3A	1.1	TCE	8/16/2018	UG/L	=	0.5	37.7665503	-122.2244457	MONITORING		7.75		EDF
SL20244862-AMW-3B	0	TCE	8/17/2018	UG/L	ND	200	37.7665564	-122.2244535	MONITORING		21.75		EDF
SL20244862-AMW-3B	160	TCE	11/9/2018	UG/L	=	50	37.7665564	-122.2244535	MONITORING		21.75		EDF
SL20244862-AMW-3B	0	TCE	1/28/2019	UG/L	ND	100	37.7665564	-122.2244535	MONITORING		21.75		EDF
SL20244862-AMW-4A	0	TCE	1/30/2019	UG/L	ND	0.5	37.7662836	-122.2241343	MONITORING		6.82		EDF
SL20244862-AMW-4B	0	TCE	8/17/2018	UG/L	ND	0.5	37.7662928	-122.2241481	MONITORING		22.89		EDF
SL20244862-AMW-4B	0	TCE	11/9/2018	UG/L	ND	0.5	37.7662928	-122.2241481	MONITORING		22.89		EDF

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SL20244862-AMW-4B	0	TCE	1/28/2019	UG/L	ND	0.5	37.7662928	-122.2241481	MONITORING		22.89		EDF
SL20244862-AMW-5AR	0	TCE	1/30/2019	UG/L	ND	0.5	37.7660134	-122.2236205	MONITORING		10	8	EDF
SL20244862-AMW-5AR	0	TCE	8/16/2018	UG/L	ND	5	37.7660134	-122.2236205	MONITORING		10	8	EDF
SL20244862-AMW-5B	0.92	TCE	8/17/2018	UG/L	=	0.5	37.766014	-122.2236072	MONITORING		23		EDF
SL20244862-AMW-5B	0.53	TCE	1/30/2019	UG/L	=	0.5	37.766014	-122.2236072	MONITORING		23		EDF
SL20244862-AMW-7B	0	TCE	8/16/2018	UG/L	ND	0.5	37.7669555	-122.2238839	MONITORING		24		EDF
SL20244862-AMW-7B	0	TCE	1/28/2019	UG/L	ND	0.5	37.7669555	-122.2238839	MONITORING		24		EDF
SL20244862-AMW-9B	0	TCE	8/17/2018	UG/L	ND	2	37.7661133	-122.2233412	MONITORING		23.8		EDF
SL20244862-AMW-9B	0	TCE	1/28/2019	UG/L	ND	2	37.7661133	-122.2233412	MONITORING		23.8		EDF
SL20244862-APZ-1B	0	TCE	1/28/2019	UG/L	ND	0.5	37.7661732	-122.2237508	MONITORING				EDF
SL20244862-PZ-2	0	TCE	8/17/2018	UG/L	ND	0.5	37.7666071	-122.2237795	MONITORING				EDF
SL20244862-PZ-2	0	TCE	1/29/2019	UG/L	ND	0.5	37.7666071	-122.2237795	MONITORING				EDF
SLT2O07076-MW-17	12	TCE	10/26/2018	UG/L	=	1	37.8390419	-122.2911715	MONITORING				EDF
SLT2O07076-MW-18	35	TCE	10/26/2018	UG/L	=	1	37.8389902	-122.2914482	MONITORING				EDF
SLT2O07076-MW-19A	1	TCE	10/26/2018	UG/L	=	1	37.8389341	-122.2917242	MONITORING				EDF
SLT2O07076-MWX-10A	1	TCE	10/26/2018	UG/L	=	1	37.8391195	-122.2917202	MONITORING				EDF
SLT2O07076-MWX-3	0	TCE	10/26/2018	UG/L	ND	2	37.8390958	-122.2913732	MONITORING				EDF
SLT2O07076-MWX-6	0.3	TCE	10/26/2018	UG/L	ND	1	37.8388625	-122.2924265	MONITORING				EDF
SLT2O07076-MWX-8	0.3	TCE	10/26/2018	UG/L	ND	1	37.83899	-122.2917935	MONITORING				EDF
SLT2O07076-MWX-9	16	TCE	10/26/2018	UG/L	=	1	37.8388923	-122.2922482	MONITORING				EDF
T0600100174-MW-1	225	TCE	3/8/2019	UG/L	=	5	37.8534345	-122.2895074	MONITORING	28.57	9.5	29.5	EDF
T0600100174-MW-1	156	TCE	9/13/2018	UG/L	=	1	37.8534345	-122.2895074	MONITORING	28.57	9.5	29.5	EDF
T0600100174-MW-1	424	TCE	11/2/2018	UG/L	=	5	37.8534345	-122.2895074	MONITORING	28.57	9.5	29.5	EDF
T0600100174-MW-2	2790	TCE	9/13/2018	UG/L	=	200	37.8532649	-122.2894574	MONITORING	29	9.5	29.5	EDF
T0600100174-MW-2	2830	TCE	11/2/2018	UG/L	=	20	37.8532649	-122.2894574	MONITORING	29	9.5	29.5	EDF
T0600100174-MW-2	2530	TCE	3/8/2019	UG/L	=	50	37.8532649	-122.2894574	MONITORING	29	9.5	29.5	EDF
T0600100174-MW-3	1500	TCE	3/8/2019	UG/L	=	25	37.8534552	-122.2889644	MONITORING	26.85	5.5	27.5	EDF
T0600100174-MW-3	1910	TCE	9/13/2018	UG/L	=	200	37.8534552	-122.2889644	MONITORING	26.85	5.5	27.5	EDF
T0600100174-MW-3	351	TCE	11/2/2018	UG/L	=	5	37.8534552	-122.2889644	MONITORING	26.85	5.5	27.5	EDF
T0600100174-MW-4	0	TCE	3/8/2019	UG/L	ND	1	37.8527471	-122.2888423	MONITORING	23.74	13	23	EDF
T0600100174-MW-4	0	TCE	11/2/2018	UG/L	ND	1	37.8527471	-122.2888423	MONITORING	23.74	13	23	EDF

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T0600100174-MW-5	0.884	TCE	11/2/2018	UG/L	=	1	37.8529153	-122.2881249	MONITORING	22.62	7	22	EDF
T0600100174-MW-5	0	TCE	3/8/2019	UG/L	ND	1	37.8529153	-122.2881249	MONITORING	22.62	7	22	EDF
T0600100174-MW-6	0.615	TCE	11/2/2018	UG/L	=	1	37.8535593	-122.2883264	MONITORING	20.12	10	20	EDF
T0600100174-MW-6	0	TCE	3/8/2019	UG/L	ND	1	37.8535593	-122.2883264	MONITORING	20.12	10	20	EDF
T0600100274-MW-1	0	TCE	1/23/2019	UG/L	ND	0.5	37.80314273	-122.2306376	MONITORING	24.27	12	13	EDF
T0600100274-MW-7	0	TCE	1/23/2019	UG/L	ND	5	37.80316406	-122.2305723	MONITORING	21.16	16.5	5.5	EDF
T0600100328-MW-1	0	TCE	9/22/2018	UG/L	ND	1	37.8091174	-122.2469622	MONITORING	18.97			EDF
T0600100328-MW-1	0	TCE	2/27/2019	UG/L	ND	1	37.8091174	-122.2469622	MONITORING	18.97			EDF
T0600100328-MW-10	0	TCE	9/22/2018	UG/L	ND	10	37.8088985	-122.2478081	MONITORING	18.96			EDF
T0600100328-MW-10	0	TCE	2/27/2019	UG/L	ND	1	37.8088985	-122.2478081	MONITORING	18.96			EDF
T0600100328-MW-2A	0	TCE	2/27/2019	UG/L	ND	20	37.8092243	-122.2469455	MONITORING	16.57			EDF
T0600100328-MW-2A	0	TCE	9/22/2018	UG/L	ND	1	37.8092243	-122.2469455	MONITORING	16.57			EDF
T0600100328-MW-3A	0	TCE	9/22/2018	UG/L	ND	1	37.8091933	-122.2465672	MONITORING	17.83			EDF
T0600100328-MW-3A	0	TCE	2/27/2019	UG/L	ND	5	37.8091933	-122.2465672	MONITORING	17.83			EDF
T0600100328-MW-4A	0	TCE	9/22/2018	UG/L	ND	1	37.8092631	-122.2466188	MONITORING	18.35			EDF
T0600100328-MW-4A	0	TCE	2/27/2019	UG/L	ND	10	37.8092631	-122.2466188	MONITORING	18.35			EDF
T0600100328-MW-5	0	TCE	2/27/2019	UG/L	ND	1	37.8089761	-122.2468142	MONITORING	32.53			EDF
T0600100328-MW-5	0	TCE	9/22/2018	UG/L	ND	1	37.8089761	-122.2468142	MONITORING	32.53			EDF
T0600100328-MW-6	0	TCE	2/27/2019	UG/L	ND	10	37.8089395	-122.2475677	MONITORING	18.11			EDF
T0600100328-MW-6	0	TCE	9/22/2018	UG/L	ND	10	37.8089395	-122.2475677	MONITORING	18.11			EDF
T0600100328-MW-8	0	TCE	2/27/2019	UG/L	ND	5	37.809267	-122.2464508	MONITORING	24.79			EDF
T0600100328-MW-9	0	TCE	2/27/2019	UG/L	ND	1	37.8091898	-122.2470611	MONITORING	14.22			EDF
T0600100328-MW-9	0	TCE	9/22/2018	UG/L	ND	1	37.8091898	-122.2470611	MONITORING	14.22			EDF
T0600100667-MW-1	0	TCE	7/23/2018	UG/L	ND	4	37.7680196	-122.1951227	MONITORING		18	17	EDF
T0600100667-MW-1	0	TCE	3/1/2019	UG/L	ND	20	37.7680196	-122.1951227	MONITORING		18	17	EDF
T0600100667-MW-2	4.4	TCE	3/1/2019	UG/L	=	1	37.7679831	-122.1952902	MONITORING		15	20	EDF
T0600100667-MW-2	6.7	TCE	7/23/2018	UG/L	=	1	37.7679831	-122.1952902	MONITORING		15	20	EDF
T0600100667-MW-3	0	TCE	7/23/2018	UG/L	ND	1	37.7679008	-122.1951907	MONITORING		10	10	EDF
T0600100667-MW-4	12	TCE	3/1/2019	UG/L	=	1	37.7680616	-122.1950351	MONITORING		15.5	20	EDF
T0600100667-MW-4	0	TCE	7/23/2018	UG/L	ND	1	37.7680616	-122.1950351	MONITORING		15.5	20	EDF
T0600100667-MW-5	0	TCE	3/1/2019	UG/L	ND	2	37.7678994	-122.1952576	MONITORING		15	20	EDF

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T0600100667-MW-5	0	TCE	7/23/2018	UG/L	ND	4	37.7678994	-122.1952576	MONITORING		15	20	EDF
T0600100667-MW-6	0	TCE	7/23/2018	UG/L	ND	1	37.7679434	-122.1953024	MONITORING		10	10	EDF
T0600100667-MW-6	0	TCE	3/1/2019	UG/L	ND	1	37.7679434	-122.1953024	MONITORING		10	10	EDF
T0600100667-MW-8	1.8	TCE	3/1/2019	UG/L	=	1	37.7679888	-122.1950462	MONITORING		5	15	EDF
T0600100667-MW-8	0.83	TCE	7/23/2018	UG/L	=	1	37.7679888	-122.1950462	MONITORING		5	15	EDF
T0600100667-MW-9	0	TCE	7/23/2018	UG/L	ND	1	37.7680506	-122.195179	MONITORING		5	15	EDF
T0600100667-MW-9	0	TCE	3/1/2019	UG/L	ND	1	37.7680506	-122.195179	MONITORING		5	15	EDF
T0600101089-MW-2	0	TCE	3/19/2019	UG/L	ND	0.5	37.8983019	-122.3020521	MONITORING	11.5	5	6.5	EDF
T0600101089-MW-2	0	TCE	12/11/2018	UG/L	ND	0.5	37.8983019	-122.3020521	MONITORING	11.5	5	6.5	EDF
T0600101089-MW-3	55	TCE	3/19/2019	UG/L	=	0.5	37.8982637	-122.3023194	MONITORING	12	5	7	EDF
T0600101089-MW-3	2.6	TCE	12/11/2018	UG/L	=	0.5	37.8982637	-122.3023194	MONITORING	12	5	7	EDF
T0600101089-STMW-5	0.7	TCE	12/11/2018	UG/L	=	0.5	37.8983733	-122.3023025	MONITORING	15	2	13	EDF
T0600101089-STMW-5	0	TCE	3/19/2019	UG/L	ND	0.5	37.8983733	-122.3023025	MONITORING	15	2	13	EDF
T0600101212-EW1A	1.3	TCE	8/21/2018	UG/L	=	0.5	37.78226872	-122.2368731	MONITORING		8	22	EDF
T0600101212-EW1A	0	TCE	12/18/2018	UG/L	ND	0.5	37.78226872	-122.2368731	MONITORING		8	22	EDF
T0600101212-MW1A	0	TCE	12/18/2018	UG/L	ND	1	37.78233671	-122.2367626	MONITORING		5	15	EDF
T0600101212-MW1A	0	TCE	8/21/2018	UG/L	ND	5	37.78233671	-122.2367626	MONITORING		5	15	EDF
T0600101212-MW2	0	TCE	8/21/2018	UG/L	ND	5	37.78225768	-122.236958	MONITORING		4	15	EDF
T0600101212-MW2	0	TCE	12/18/2018	UG/L	ND	5	37.78225768	-122.236958	MONITORING		4	15	EDF
T0600101212-MW3	0	TCE	12/18/2018	UG/L	ND	5	37.78232004	-122.2368981	MONITORING		4	15	EDF
T0600101212-MW3	0	TCE	8/21/2018	UG/L	ND	5	37.78232004	-122.2368981	MONITORING		4	15	EDF
T0600101212-MW4A	0	TCE	12/18/2018	UG/L	ND	0.5	37.78240448	-122.2369698	MONITORING		5	15	EDF
T0600101212-MW4A	0	TCE	8/21/2018	UG/L	ND	0.5	37.78240448	-122.2369698	MONITORING		5	15	EDF
T0600101212-MW5A	0	TCE	12/18/2018	UG/L	ND	0.5	37.78230469	-122.2370757	MONITORING		5	15	EDF
T0600101212-MW5A	0	TCE	8/20/2018	UG/L	ND	0.5	37.78230469	-122.2370757	MONITORING		5	15	EDF
T0600101212-MW6A	34	TCE	8/21/2018	UG/L	=	0.5	37.78220744	-122.2368668	MONITORING		5	15	EDF
T0600101212-MW6A	42	TCE	12/18/2018	UG/L	=	2.5	37.78220744	-122.2368668	MONITORING		5	15	EDF
T0600101212-MW7	0	TCE	8/20/2018	UG/L	ND	0.5	37.78277259	-122.237452	MONITORING		5	15	EDF
T0600101212-MW7	0	TCE	12/18/2018	UG/L	ND	0.5	37.78277259	-122.237452	MONITORING		5	15	EDF
T0600101212-MW8	0	TCE	8/20/2018	UG/L	ND	0.5	37.78225504	-122.2372479	MONITORING		5	15	EDF
T0600101212-MW8	5.7	TCE	12/18/2018	UG/L	=	1.2	37.78225504	-122.2372479	MONITORING		5	15	EDF

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T0600101354-MW6B	0	TCE	8/23/2018	UG/L	ND	4	37.811749	-122.2692353	MONITORING				EDF
T0600101354-MW6B	0	TCE	8/17/2018	UG/L	ND	5	37.811749	-122.2692353	MONITORING				EDF
T0600101354-MW6E	0	TCE	8/23/2018	UG/L	ND	0.5	37.8114699	-122.2694622	MONITORING				EDF
T0600101354-MW6E	0	TCE	8/17/2018	UG/L	ND	0.5	37.8114699	-122.2694622	MONITORING				EDF
T0600101354-MW6F	0	TCE	8/17/2018	UG/L	ND	0.5	37.8115294	-122.2696738	MONITORING				EDF
T0600101354-MW6F	0	TCE	8/23/2018	UG/L	ND	0.5	37.8115294	-122.2696738	MONITORING				EDF
T0600101354-MW6G	0	TCE	8/23/2018	UG/L	ND	0.5	37.8118543	-122.2694954	MONITORING				EDF
T0600101354-MW6G	0	TCE	8/17/2018	UG/L	ND	0.5	37.8118543	-122.2694954	MONITORING				EDF
T0600101354-MW6H	0	TCE	8/20/2018	UG/L	ND	5	37.8115921	-122.2692085	MONITORING				EDF
T0600101354-MW6H	0	TCE	8/23/2018	UG/L	ND	5	37.8115921	-122.2692085	MONITORING				EDF
T0600101354-MW6KB	0	TCE	8/23/2018	UG/L	ND	0.5	37.811753	-122.2693055	MONITORING				EDF
T0600101354-MW6KB	0	TCE	8/17/2018	UG/L	ND	0.5	37.811753	-122.2693055	MONITORING				EDF
T0600101354-MW6LB	0	TCE	8/23/2018	UG/L	ND	5	37.8117004	-122.2692792	MONITORING				EDF
T0600101354-MW6LB	0	TCE	8/17/2018	UG/L	ND	5	37.8117004	-122.2692792	MONITORING				EDF
T0600101354-RW1	0	TCE	8/20/2018	UG/L	ND	1	37.8115676	-122.2692665	MONITORING				EDF
T0600101354-RW1	0	TCE	8/23/2018	UG/L	ND	0.5	37.8115676	-122.2692665	MONITORING				EDF
T0600101354-RW2	0	TCE	8/17/2018	UG/L	ND	0.5	37.81147	-122.269355	MONITORING				EDF
T0600101354-RW2	0	TCE	8/23/2018	UG/L	ND	0.5	37.81147	-122.269355	MONITORING				EDF
T0600101354-RW3A	0	TCE	8/23/2018	UG/L	ND	2	37.8117034	-122.2694594	MONITORING				EDF
T0600101354-RW3A	0	TCE	8/17/2018	UG/L	ND	0.5	37.8117034	-122.2694594	MONITORING				EDF
T0600101557-EW1	0	TCE	3/19/2019	UG/L	ND	100	37.87913187	-122.2949668	MONITORING				EDF
T0600101557-EW1	0	TCE	10/12/2018	UG/L	ND	500	37.87913187	-122.2949668	MONITORING				EDF
T0600101557-MW1	0	TCE	3/18/2019	UG/L	ND	5	37.87892068	-122.2947985	MONITORING				EDF
T0600101557-MW1	0	TCE	10/11/2018	UG/L	ND	2.5	37.87892068	-122.2947985	MONITORING				EDF
T0600101557-MW2	0	TCE	3/19/2019	UG/L	ND	0.5	37.87910275	-122.2951631	MONITORING				EDF
T0600101557-MW2	0	TCE	10/11/2018	UG/L	ND	0.5	37.87910275	-122.2951631	MONITORING				EDF
T0600101557-MW3	0	TCE	3/18/2019	UG/L	ND	50	37.87888851	-122.2949971	MONITORING		11	5	EDF
T0600101557-MW4	0	TCE	3/19/2019	UG/L	ND	120	37.87900416	-122.2950725	MONITORING		11	5	EDF
T0600101557-MW5	0	TCE	3/19/2019	UG/L	ND	25	37.87903528	-122.2948687	MONITORING		11	5	EDF
T0600101557-OW1	0	TCE	3/19/2019	UG/L	ND	0.5	37.87904213	-122.294991	MONITORING				EDF
T0600101557-OW1	0	TCE	10/11/2018	UG/L	ND	0.5	37.87904213	-122.294991	MONITORING				EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top Screen (FT)	Screen Length (FT)	Source
T0600101557-P1	0	TCE	10/11/2018	UG/L	ND	120	37.87870709	-122.2950329	MONITORING				EDF
T0600101557-P1	0	TCE	3/18/2019	UG/L	ND	50	37.87870709	-122.2950329	MONITORING				EDF
T0600101557-TEW3	0	TCE	10/11/2018	UG/L	ND	0.5	37.87890099	-122.2949464	MONITORING				EDF
T0600101557-TEW3	0	TCE	3/18/2019	UG/L	ND	0.5	37.87890099	-122.2949464	MONITORING				EDF
T0600101557-TEW4	0	TCE	3/18/2019	UG/L	ND	100	37.87888555	-122.2950545	MONITORING				EDF
T0600101557-TEW4	0	TCE	10/11/2018	UG/L	ND	25	37.87888555	-122.2950545	MONITORING				EDF
T0600101803-EW-2	320	TCE	3/7/2019	UG/L	=	50	37.76830625	-122.2395411	MONITORING		5	20	EDF
T0600101803-EW-2	320	TCE	3/7/2019	UG/L	=	50	37.76857195	-122.2396759	MONITORING		5	20	EDF
T0600101803-EW-4	13	TCE	3/7/2019	UG/L	=	5	37.76830625	-122.2395411	MONITORING		5	20	EDF
T0600101803-EW-4	13	TCE	3/7/2019	UG/L	=	5	37.76848306	-122.2394718	MONITORING		5	20	EDF
T0600101803-EW-5	0	TCE	3/7/2019	UG/L	ND	1.2	37.76851792	-122.2395519	MONITORING		5	20	EDF
T0600101803-EW-5	0	TCE	3/7/2019	UG/L	ND	1.2	37.76848306	-122.2394718	MONITORING		5	20	EDF
T0600101803-MW-1	0	TCE	3/7/2019	UG/L	ND	100	37.76844679	-122.2394221	MONITORING		20	15	EDF
T0600101803-MW-2	0	TCE	3/7/2019	UG/L	ND	2.5	37.76830808	-122.2396278	MONITORING		20	15	EDF
T0600101803-MW-3	0	TCE	3/7/2019	UG/L	ND	0.5	37.76845466	-122.2400246	MONITORING		20	15	EDF
T0600101803-MW-4	0	TCE	3/7/2019	UG/L	ND	25	37.76856246	-122.2396104	MONITORING		18	10	EDF
T0600101803-OW-2	0	TCE	3/7/2019	UG/L	ND	0.5	37.76851792	-122.2395519	MONITORING		5	15	EDF
T0600101803-OW-2	0	TCE	3/7/2019	UG/L	ND	0.5	37.76857195	-122.2396759	MONITORING		5	15	EDF
T0600102099-AMW-1	9.9	TCE	11/30/2018	UG/L	=	1.2	37.848599	-122.293809	MONITORING		9	15	EDF
T0600102099-AMW-2	0	TCE	11/30/2018	UG/L	ND	5	37.848553	-122.293436	MONITORING		9	15	EDF
T0600102099-AMW-3	0	TCE	11/30/2018	UG/L	ND	0.5	37.848784	-122.292876	MONITORING		8	15	EDF
T0600102099-MW-3	0	TCE	11/30/2018	UG/L	ND	500	37.848702	-122.292651	MONITORING		9	20	EDF
T0600102099-TMW-07	9.5	TCE	8/17/2018	UG/L	=	1.7	37.848406	-122.292408	MONITORING		22	3.5	EDF
T0600102099-TMW-07	39	TCE	11/30/2018	UG/L	=	2.5	37.848406	-122.292408	MONITORING		22	3.5	EDF
T0600102099-TMW-08	0	TCE	8/17/2018	UG/L	ND	36	37.84847	-122.292779	MONITORING		19.5	2.5	EDF
T0600102099-TMW-08	0	TCE	11/30/2018	UG/L	ND	120	37.84847	-122.292779	MONITORING		19.5	2.5	EDF
T0600102099-TMW-09	0	TCE	11/30/2018	UG/L	ND	500	37.848485	-122.292761	MONITORING		6	6	EDF
T0600102099-TMW-09	0	TCE	8/17/2018	UG/L	ND	250	37.848485	-122.292761	MONITORING		6	6	EDF
T0600102246-MW-1	0	TCE	11/15/2018	UG/L	ND	0.5	37.8096784	-122.2922863	MONITORING	18.28	8	10	EDF
T0600102246-MW-2	0	TCE	11/15/2018	UG/L	ND	0.5	37.8098872	-122.2924233	MONITORING	18.24	8	10	EDF
T0600102246-MW-3	0	TCE	11/15/2018	UG/L	ND	0.5	37.8097929	-122.2925101	MONITORING	18.28	8	10	EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top Screen (FT)	Screen Length (FT)	Source
T0619716673-MW1	8.7	TCE	10/10/2018	UG/L	=	0.5	37.8880384	-122.2984473	MONITORING				EDF
T0619716673-MW2	5	TCE	10/10/2018	UG/L	=	0.5	37.8879305	-122.2984079	MONITORING				EDF
T0619716673-MW3	0	TCE	10/10/2018	UG/L	ND	10	37.8878945	-122.298559	MONITORING				EDF
T0619716673-MW3A	0	TCE	10/10/2018	UG/L	ND	0.5	37.8879037	-122.2985623	MONITORING				EDF
T0619716673-MW4	0	TCE	10/10/2018	UG/L	ND	2	37.8878851	-122.2986883	MONITORING				EDF
T0619716673-MW5	0	TCE	10/10/2018	UG/L	ND	1	37.8879453	-122.2987089	MONITORING				EDF
T0619716673-MW6	0	TCE	10/10/2018	UG/L	ND	0.5	37.8879988	-122.2987277	MONITORING				EDF
T0619716673-MW7	0	TCE	10/10/2018	UG/L	ND	4	37.8878386	-122.2987881	MONITORING				EDF
T0619716673-MW8	0	TCE	10/10/2018	UG/L	ND	0.5	37.887992	-122.2991575	MONITORING				EDF
T0619716673-MW9	0	TCE	10/10/2018	UG/L	ND	0.5	37.8879136	-122.2991332	MONITORING				EDF
T0619748201-MW-101	0	TCE	11/20/2018	UG/L	ND	12	37.8479522	-122.2653964	MONITORING	20			EDF
T0619748201-MW-102	0	TCE	11/20/2018	UG/L	ND	0.5	37.8480592	-122.2653564	MONITORING	20			EDF
T0619748201-MW-103	0	TCE	11/20/2018	UG/L	ND	5	37.8479122	-122.2653311	MONITORING	20			EDF
T0619748201-MW-104	0	TCE	11/20/2018	UG/L	ND	0.5	37.847894	-122.26551	MONITORING	20			EDF
T0619748201-MW-105	0	TCE	11/20/2018	UG/L	ND	0.5	37.847826	-122.265374	MONITORING	20			EDF
T10000001026-SGI-MW-1	0	TCE	9/4/2018	UG/L	ND	0.5	37.9546218	-122.3589921	MONITORING				EDF
T10000001026-SGI-MW-2	0.89	TCE	9/4/2018	UG/L	=	0.5	37.9546522	-122.3598575	MONITORING				EDF
T10000001026-SGI-MW-2	0.95	TCE	9/4/2018	UG/L	=	0.5	37.9546522	-122.3598575	MONITORING				EDF
T10000001026-SGI-MW-3	0	TCE	9/4/2018	UG/L	ND	0.5	37.9538381	-122.3599158	MONITORING				EDF
T10000001026-SGI-MW-4	0	TCE	9/4/2018	UG/L	ND	0.5	37.953127	-122.3599482	MONITORING				EDF
T10000001026-SGI-MW-7	0	TCE	9/4/2018	UG/L	ND	0.5	37.9519895	-122.35913	MONITORING				EDF
T10000005974-MW-1	0	TCE	8/30/2018	UG/L	ND	1	37.77711382	-122.2764581	MONITORING	15.15	7	10	EDF
T10000005974-MW-2A	0	TCE	8/30/2018	UG/L	ND	1	37.77693441	-122.276498	MONITORING	17.35	7	10	EDF
T10000005974-MW-3A	0	TCE	8/30/2018	UG/L	ND	1	37.776943	-122.2762181	MONITORING	19.9	7	10	EDF
T10000009401-MW-1	0	TCE	2/15/2019	UG/L	ND	1	37.7610555	-122.2453043	MONITORING	14.75	5	10	EDF
T10000009401-MW-1	0.2	TCE	12/3/2018	UG/L	ND	1	37.7610555	-122.2453043	MONITORING	14.75	5	10	EDF
T10000009401-MW-2	0	TCE	2/15/2019	UG/L	ND	1	37.7609755	-122.2453638	MONITORING	14.35	5	15	EDF
T10000009401-MW-2	0	TCE	12/3/2018	UG/L	ND	1	37.7609755	-122.2453638	MONITORING	14.35	5	15	EDF
T10000009401-MW-3	0.3	TCE	12/3/2018	UG/L	ND	1	37.7609586	-122.2452386	MONITORING	14.92	5	10	EDF
T10000009401-MW-3	0.4	TCE	2/15/2019	UG/L	ND	1	37.7609586	-122.2452386	MONITORING	14.92	5	10	EDF
T10000009401-MW-4	0	TCE	2/15/2019	UG/L	ND	1	37.7608746	-122.2453315	MONITORING	14.98	5	10	EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top Screen (FT)	Screen Length (FT)	Source
T10000009401-MW-4	0	TCE	12/3/2018	UG/L	ND	1	37.7608746	-122.2453315	MONITORING	14.98	5	10	EDF
T10000009433-MW-7	0	TCE	9/20/2018	UG/L	ND	1	37.8122075	-122.2798206	MONITORING				EDF
T10000009433-MW-7	0	TCE	1/24/2019	UG/L	ND	1	37.8122075	-122.2798206	MONITORING				EDF
T10000009433-MW-8	0	TCE	9/20/2018	UG/L	ND	1	37.8124013	-122.2804083	MONITORING				EDF
T10000009433-MW-8	0	TCE	1/24/2019	UG/L	ND	1	37.8124013	-122.2804083	MONITORING				EDF
T10000009433-MW-9	0	TCE	9/20/2018	UG/L	ND	1	37.812897	-122.2802245	MONITORING				EDF
T10000009433-MW-9	0	TCE	1/24/2019	UG/L	ND	1	37.812897	-122.2802245	MONITORING				EDF
T10000009940-MW-1	0	TCE	8/30/2018	UG/L	ND	1	37.77711382	-122.2764581	MONITORING	15.6	7	10	EDF
T10000009940-MW-1	0	TCE	3/26/2019	UG/L	ND	5	37.77711382	-122.2764581	MONITORING	15.6	7	10	EDF
T10000009940-MW-2A	0	TCE	3/26/2019	UG/L	ND	1	37.77693441	-122.276498	MONITORING	17.28	7	10	EDF
T10000009940-MW-2A	0	TCE	8/30/2018	UG/L	ND	1	37.77693441	-122.276498	MONITORING	17.28	7	10	EDF
T10000009940-MW-3A	0	TCE	8/30/2018	UG/L	ND	1	37.776943	-122.2762181	MONITORING	16.88	7	10	EDF
T10000009940-MW-3A	0	TCE	3/26/2019	UG/L	ND	1	37.776943	-122.2762181	MONITORING	16.88	7	10	EDF
T10000010738-EX-1	0	TCE	8/27/2018	UG/L	ND	0.5	37.81153096	-122.268594	MONITORING				EDF
T10000010738-EX-1	0	TCE	7/30/2018	UG/L	ND	0.5	37.81153096	-122.268594	MONITORING				EDF
T10000010738-EX-1	0	TCE	8/23/2018	UG/L	ND	0.5	37.81153096	-122.268594	MONITORING				EDF
T10000010738-EX-2	0	TCE	7/30/2018	UG/L	ND	0.5	37.81152387	-122.2685567	MONITORING				EDF
T10000010738-EX-2	0	TCE	8/27/2018	UG/L	ND	0.5	37.81152387	-122.2685567	MONITORING				EDF
T10000010738-EX-2	0	TCE	8/23/2018	UG/L	ND	0.5	37.81152387	-122.2685567	MONITORING				EDF
T10000010738-EX-3	0	TCE	7/30/2018	UG/L	ND	0.5	37.81154357	-122.2684701	MONITORING				EDF
T10000010738-EX-3	0	TCE	8/27/2018	UG/L	ND	0.5	37.81154357	-122.2684701	MONITORING				EDF
T10000010738-EX-3	0	TCE	8/23/2018	UG/L	ND	0.5	37.81154357	-122.2684701	MONITORING				EDF
T10000010738-OB-2	0	TCE	8/27/2018	UG/L	ND	0.5	37.81158983	-122.2684233	MONITORING				EDF
T10000010738-OB-2	0	TCE	7/30/2018	UG/L	ND	0.5	37.81158983	-122.2684233	MONITORING				EDF
T10000010738-OB-2	0	TCE	8/23/2018	UG/L	ND	0.5	37.81158983	-122.2684233	MONITORING				EDF
T10000010738-OB-4	0	TCE	8/23/2018	UG/L	ND	0.5	37.81153553	-122.2683987	MONITORING				EDF
T10000010738-OB-4	0	TCE	7/30/2018	UG/L	ND	0.5	37.81153553	-122.2683987	MONITORING				EDF
T10000010738-OB-4	0	TCE	8/27/2018	UG/L	ND	0.5	37.81153553	-122.2683987	MONITORING				EDF
T10000011091-MW-1	0	TCE	11/29/2018	UG/L	ND	1	37.8317301	-122.2537694	MONITORING	21.9	7	15	EDF
T10000011211-MW-1	1.87	TCE	8/8/2018	UG/L	=	1	37.645999	-122.128267	MONITORING	13.63	8	7	EDF
T10000011211-MW-1	1.2	TCE	3/31/2019	UG/L	=	0.5	37.645999	-122.128267	MONITORING	13.63	8	7	EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top Screen (FT)	Screen Length (FT)	Source
T10000011211-MW-2	1.35	TCE	8/8/2018	UG/L	=	1	37.6461632	-122.1280873	MONITORING	14.17	6.5	7	EDF
T10000011211-MW-2	1.1	TCE	3/31/2019	UG/L	=	0.5	37.6461632	-122.1280873	MONITORING	14.17	6.5	7	EDF
T10000011211-MW-3	3.22	TCE	8/8/2018	UG/L	=	1	37.6457435	-122.1285581	MONITORING	14.59	5	5	EDF
T10000011211-MW-3	3	TCE	4/1/2019	UG/L	=	0.5	37.6457435	-122.1285581	MONITORING	14.59	5	5	EDF
T10000011211-MW-4	0	TCE	8/8/2018	UG/L	ND	1	37.6461337	-122.1298916	MONITORING	14.56	10	5	EDF
T10000011211-MW-4	0	TCE	3/31/2019	UG/L	ND	0.5	37.6461337	-122.1298916	MONITORING	14.56	10	5	EDF

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CHROMIUM, HEXAVALENT

Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top of Screen (FT)	Screen Length (FT)	Source
L10006224883-GW-1(A)	0	CR6	1/8/2019	UG/L	ND	2	37.87298088	-122.3233184	MONITORING	49.9			EDF
L10006224883-GW-2	0	CR6	1/8/2019	UG/L	ND	2	37.87011788	-122.3207845	MONITORING	49.07			EDF
L10006224883-GW-3	0	CR6	1/8/2019	UG/L	ND	2	37.87153234	-122.3151463	MONITORING	37.5			EDF
L10006224883-GW-4	0	CR6	1/8/2019	UG/L	ND	2	37.87387452	-122.3170825	MONITORING	45			EDF
L10006224883-GW-5	0	CR6	1/8/2019	UG/L	ND	2	37.87226085	-122.3185373	MONITORING	72			EDF
L10006224883-L-4	0	CR6	1/10/2019	UG/L	ND	0.2	37.87191501	-122.3167805	MONITORING				EDF
L10006224883-L-5	0	CR6	1/10/2019	UG/L	ND	0.2	37.87173259	-122.3177832	MONITORING				EDF
SL20228846-MW-10	10	CR6	2/27/2019	UG/L	=	0.01	37.8801489	-122.3027468	MONITORING	18.5	5	13	EDF
SL20228846-MW-11	30	CR6	2/27/2019	UG/L	=	0.01	37.8806157	-122.3048459	MONITORING	20	5	15	EDF
SL20228846-MW-12	240	CR6	8/13/2018	UG/L	=	0.01	37.8808158	-122.3036423	MONITORING	19	5	14	EDF
SL20228846-MW-12	150	CR6	2/27/2019	UG/L	=	0.01	37.8808158	-122.3036423	MONITORING	19	5	14	EDF
SL20228846-MW-12	250	CR6	11/15/2018	UG/L	=	0.01	37.8808158	-122.3036423	MONITORING	19	5	14	EDF
SL20228846-MW-14	0	CR6	2/27/2019	UG/L	ND	0.01	37.8803045	-122.3063043	MONITORING	20.5	10	10	EDF
SL20228846-MW-15	600	CR6	2/27/2019	UG/L	=	0.01	37.8798606	-122.3038808	MONITORING	20.5	10	20	EDF
SL20228846-MW-16	210	CR6	2/27/2019	UG/L	=	0.01	37.8788564	-122.3041904	MONITORING	20.6	10	20	EDF
SL20228846-MW-17	200	CR6	2/27/2019	UG/L	=	0.01	37.8796152	-122.3046386	MONITORING	20	10	20	EDF
SL20228846-MW-18	2500	CR6	8/13/2018	UG/L	=	0.02	37.8806202	-122.3028811	MONITORING	20	10	20	EDF
SL20228846-MW-18	1100	CR6	11/15/2018	UG/L	=	0.01	37.8806202	-122.3028811	MONITORING	20	10	20	EDF
SL20228846-MW-18	1200	CR6	2/27/2019	UG/L	=	0.01	37.8806202	-122.3028811	MONITORING	20	10	20	EDF
SL20228846-MW-19	1100	CR6	2/27/2019	UG/L	=	0.01	37.8804497	-122.3029174	MONITORING	20	10	20	EDF
SL20228846-MW-20	470	CR6	11/15/2018	UG/L	=	0.01	37.8811824	-122.3031411	MONITORING	20	10	20	EDF
SL20228846-MW-20	160	CR6	2/27/2019	UG/L	=	0.01	37.8811824	-122.3031411	MONITORING	20	10	20	EDF
SL20228846-MW-20	100	CR6	8/13/2018	UG/L	=	0.01	37.8811824	-122.3031411	MONITORING	20	10	20	EDF
SL20228846-MW-21	210	CR6	2/27/2019	UG/L	=	0.01	37.8801595	-122.3039574	MONITORING	20	10	10	EDF
SL20228846-MW-22	50	CR6	8/13/2018	UG/L	=	0.01	37.8807283	-122.3029342	MONITORING	20	10	10	EDF
SL20228846-MW-22	420	CR6	2/27/2019	UG/L	=	0.01	37.8807283	-122.3029342	MONITORING	20	10	10	EDF
SL20228846-MW-3	40	CR6	2/27/2019	UG/L	=	0.01	37.8805413	-122.3015338	MONITORING	20	5	15	EDF
SL20228846-MW-6	0	CR6	2/27/2019	UG/L	ND	0.01	37.8803001	-122.3017001	MONITORING	20	5	15	EDF
SL20228846-MW-7	460	CR6	2/27/2019	UG/L	=	0.01	37.8806633	-122.3017039	MONITORING	20	5	15	EDF
SL20228846-MW-8	260	CR6	2/27/2019	UG/L	=	0.01	37.8806445	-122.3018348	MONITORING	15	5	10	EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top of Screen (FT)	Screen Length (FT)	Source
0103041-001	0	BZ	2/26/2019	UG/L	<	UNK	37.7268594	-122.157248	MUNICIPAL		0	0	DHS
L10006224883-GW-1(A)	0	BZ	1/8/2019	UG/L	ND	0.5	37.87298088	-122.3233184	MONITORING	49.9			EDF
L10006224883-GW-2	0	BZ	1/8/2019	UG/L	ND	0.5	37.87011788	-122.3207845	MONITORING	49.07			EDF
L10006224883-GW-3	0	BZ	1/8/2019	UG/L	ND	0.5	37.87153234	-122.3151463	MONITORING	37.5			EDF
L10006224883-GW-4	0	BZ	1/8/2019	UG/L	ND	0.5	37.87387452	-122.3170825	MONITORING	45			EDF
L10006224883-GW-5	0	BZ	1/8/2019	UG/L	ND	0.5	37.87226085	-122.3185373	MONITORING	72			EDF
L10006224883-L-4	0	BZ	1/10/2019	UG/L	ND	0.5	37.87191501	-122.3167805	MONITORING				EDF
L10006224883-L-5	0	BZ	1/10/2019	UG/L	ND	0.5	37.87173259	-122.3177832	MONITORING				EDF
L10009353957-CW-9	0	BZ	11/13/2018	UG/L	ND	0.5	37.94450448	-122.3757654	MONITORING				EDF
L10009353957-CW-9	0	BZ	8/15/2018	UG/L	ND	0.5	37.94450448	-122.3757654	MONITORING				EDF
L10009353957-GW-31A	0	BZ	10/9/2018	UG/L	ND	0.5	37.95392553	-122.3741854	MONITORING		4.6	15.5	EDF
L10009353957-GW-38A	0	BZ	10/9/2018	UG/L	ND	0.5	37.95391483	-122.3756621	MONITORING		3.69	15	EDF
L10009353957-GW-38C	0	BZ	10/10/2018	UG/L	ND	0.5	37.95391455	-122.3756007	MONITORING		29.1	5	EDF
L10009353957-GW-61A-3	0	BZ	11/7/2018	UG/L	ND	0.5	37.946677	-122.365392	MONITORING		12	5	EDF
L10009353957-GW-61C-2	0	BZ	11/7/2018	UG/L	ND	0.5	37.94668249	-122.3654073	MONITORING		39.61	10	EDF
L10009353957-GW-63C	0	BZ	10/18/2018	UG/L	ND	0.5	37.95392247	-122.3786384	MONITORING		30.67	10	EDF
SL0002020084-MW-1	0	BZ	9/26/2018	UG/L	ND	10	37.7308224	-122.2105457	MONITORING	14.57			EDF
SL0002020084-MW-1	0	BZ	3/28/2019	UG/L	ND	10	37.7308224	-122.2105457	MONITORING	14.57			EDF
SL0002020084-MW-10	0	BZ	9/27/2018	UG/L	ND	1	37.7307169	-122.2107355	MONITORING	13.3			EDF
SL0002020084-MW-10	0	BZ	3/29/2019	UG/L	ND	10	37.7307169	-122.2107355	MONITORING	13.3			EDF
SL0002020084-MW-11	0	BZ	9/27/2018	UG/L	ND	1	37.7310491	-122.2110789	MONITORING	11.4			EDF
SL0002020084-MW-11	0	BZ	3/28/2019	UG/L	ND	10	37.7310491	-122.2110789	MONITORING	11.4			EDF
SL0002020084-MW-12	0	BZ	3/29/2019	UG/L	ND	10	37.7304608	-122.2103415	MONITORING	11.4			EDF
SL0002020084-MW-12	0	BZ	9/27/2018	UG/L	ND	1	37.7304608	-122.2103415	MONITORING	11.4			EDF
SL0002020084-MW-13	0	BZ	3/29/2019	UG/L	ND	10	37.7305592	-122.2104597	MONITORING	11.4			EDF
SL0002020084-MW-13	0	BZ	9/27/2018	UG/L	ND	1	37.7305592	-122.2104597	MONITORING	11.4			EDF
SL0002020084-MW-14	0	BZ	9/27/2018	UG/L	ND	10	37.7310147	-122.2109189	MONITORING	11.4			EDF
SL0002020084-MW-14	0	BZ	3/29/2019	UG/L	ND	10	37.7310147	-122.2109189	MONITORING	11.4			EDF
SL0002020084-MW-2	0	BZ	9/26/2018	UG/L	ND	5	37.7308485	-122.2104859	MONITORING	13.45			EDF
SL0002020084-MW-4	0	BZ	9/26/2018	UG/L	ND	1	37.7308308	-122.2103829	MONITORING	13.54			EDF
SL0002020084-MW-4	0	BZ	3/28/2019	UG/L	ND	10	37.7308308	-122.2103829	MONITORING	13.54			EDF

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SL0002020084-MW-5	0	BZ	3/28/2019	UG/L	ND	10	37.7310045	-122.2106504	MONITORING	13.24			EDF
SL0002020084-MW-5	0	BZ	9/26/2018	UG/L	ND	1	37.7310045	-122.2106504	MONITORING	13.24			EDF
SL0002020084-MW-6	0	BZ	9/26/2018	UG/L	ND	1	37.730918	-122.2106794	MONITORING	14.03			EDF
SL0002020084-MW-6	0	BZ	3/28/2019	UG/L	ND	1	37.730918	-122.2106794	MONITORING	14.03			EDF
SL0002020084-MW-7	0	BZ	9/26/2018	UG/L	ND	1	37.7310244	-122.2107759	MONITORING	13.73			EDF
SL0002020084-MW-7	0	BZ	3/28/2019	UG/L	ND	10	37.7310244	-122.2107759	MONITORING	13.73			EDF
SL0002020084-MW-8	0	BZ	9/26/2018	UG/L	ND	10	37.7310337	-122.2104802	MONITORING	11.4			EDF
SL0002020084-MW-8	0	BZ	3/29/2019	UG/L	ND	10	37.7310337	-122.2104802	MONITORING	11.4			EDF
SL0002020084-MW-9	0	BZ	9/27/2018	UG/L	ND	1	37.7306903	-122.2100941	MONITORING	13.06			EDF
SL0002020084-MW-9	0	BZ	3/29/2019	UG/L	ND	10	37.7306903	-122.2100941	MONITORING	13.06			EDF
SL18244665-GW-10B	0	BZ	10/1/2018	UG/L	ND	0.5	37.9424069	-122.3747428	MONITORING		120.55	20	EDF
SL18244665-GW-10C	0	BZ	12/17/2018	UG/L	ND	0.5	37.94571257	-122.3722745	MONITORING		16.06	20	EDF
SL18244665-GW-10C	0	BZ	12/17/2018	UG/L	ND	2.5	37.94571257	-122.3722745	MONITORING		16.06	20	EDF
SL18244665-GW-11A	0	BZ	9/25/2018	UG/L	ND	0.5	37.9434276	-122.3739047	MONITORING		5.64	6.5	EDF
SL18244665-GW-11C	1.6	BZ	9/25/2018	UG/L	=	1	37.94342714	-122.3739439	MONITORING		16.42	18.3	EDF
SL18244665-GW-12A	0	BZ	8/7/2018	UG/L	ND	0.5	37.9451492	-122.3717197	MONITORING		5.52	12	EDF
SL18244665-GW-12A	1.2	BZ	8/7/2018	UG/L	ND	2.5	37.9451492	-122.3717197	MONITORING		5.52	12	EDF
SL18244665-GW-13A	0	BZ	8/7/2018	UG/L	ND	2.5	37.94470454	-122.3721462	MONITORING		5.75	13	EDF
SL18244665-GW-15A	1	BZ	8/7/2018	UG/L	ND	2.5	37.94283711	-122.3734862	MONITORING		4.21	11	EDF
SL18244665-GW-15C	0	BZ	8/20/2018	UG/L	ND	100	37.94240823	-122.3736443	MONITORING		45.96	17	EDF
SL18244665-GW-19A	0	BZ	8/7/2018	UG/L	ND	2.5	37.94227532	-122.3722844	MONITORING		2.7	7.5	EDF
SL18244665-GW-19C	0	BZ	8/21/2018	UG/L	ND	0.5	37.94226543	-122.37187	MONITORING		43.54	19.5	EDF
SL18244665-GW-20A	0	BZ	8/13/2018	UG/L	ND	2.5	37.94224213	-122.3707597	MONITORING		4.64	9.5	EDF
SL18244665-GW-21C	0	BZ	8/21/2018	UG/L	ND	0.5	37.94422319	-122.3723033	MONITORING		48.61	19.3	EDF
SL18244665-GW-22C	0	BZ	8/23/2018	UG/L	ND	0.5	37.94274576	-122.3744984	MONITORING		43.97	20	EDF
SL18244665-GW-23C	0	BZ	8/23/2018	UG/L	ND	0.5	37.9422953	-122.3748326	MONITORING		43.07	20	EDF
SL18244665-GW-25C	0	BZ	9/26/2018	UG/L	ND	0.5	37.94153924	-122.3737241	MONITORING		54.51	20	EDF
SL18244665-GW-26C	0	BZ	8/23/2018	UG/L	ND	0.5	37.94218323	-122.3749231	MONITORING		65.1	10	EDF
SL18244665-GW-2C	0.3	BZ	10/3/2018	UG/L	ND	5	37.94224213	-122.3707597	MONITORING		31.66	4	EDF
SL18244665-GW-2C	0	BZ	10/29/2018	UG/L	ND	5	37.94224213	-122.3707597	MONITORING		31.66	4	EDF
SL18244665-GW-38C	0	BZ	10/3/2018	UG/L	ND	5	37.95391455	-122.3756007	MONITORING		29.1	5	EDF

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SL18244665-GW-40C	0	BZ	8/28/2018	UG/L	ND	0.5	37.94562252	-122.3729223	MONITORING		31.84	15	EDF
SL18244665-GW-40C	0	BZ	8/28/2018	UG/L	ND	2.5	37.94562252	-122.3729223	MONITORING		31.84	15	EDF
SL18244665-GW-63C	0	BZ	10/3/2018	UG/L	ND	5	37.95392247	-122.3786384	MONITORING		30.67	10	EDF
SL18244665-GW-6B-2	0	BZ	9/26/2018	UG/L	ND	0.5	37.94493217	-122.3736841	MONITORING		108.99	20	EDF
SL18244665-GW-6C-1	0	BZ	8/28/2018	UG/L	ND	0.5	37.94450788	-122.3737154	MONITORING		23.29	20	EDF
SL18244665-GW-7A	0	BZ	8/8/2018	UG/L	ND	0.5	37.94410917	-122.3670541	MONITORING		8.79	18	EDF
SL18244665-GW-7A	0	BZ	8/8/2018	UG/L	ND	2.5	37.94410917	-122.3670541	MONITORING		8.79	18	EDF
SL18244665-GW-7B	0	BZ	9/19/2018	UG/L	ND	0.5	37.94393562	-122.3671182	MONITORING		121.01	16	EDF
SL18244665-GW-7B	0	BZ	9/19/2018	UG/L	ND	2.5	37.94393562	-122.3671182	MONITORING		121.01	16	EDF
SL18244665-GW-7C	0	BZ	8/20/2018	UG/L	ND	0.5	37.94404005	-122.3670343	MONITORING		33.71	20	EDF
SL18244665-GW-8A	0	BZ	8/13/2018	UG/L	ND	0.5	37.94248218	-122.3683813	MONITORING		7.39	19	EDF
SL18244665-GW-8C	0	BZ	8/20/2018	UG/L	ND	0.5	37.94244141	-122.3684697	MONITORING		43.25	20	EDF
SL18344764-MW-15A	0	BZ	8/6/2018	UG/L	ND	0.5	37.7427836	-122.1514643	MONITORING	25.87	16	10	EDF
SL18344764-MW-15B	0	BZ	8/6/2018	UG/L	ND	50	37.7427775	-122.1514593	MONITORING	48.93	39	10	EDF
SL20244862-AMW-11BR	0	BZ	8/16/2018	UG/L	ND	0.5	37.7658117	-122.2232405	MONITORING				EDF
SL20244862-AMW-11BR	0	BZ	1/30/2019	UG/L	ND	0.5	37.7658117	-122.2232405	MONITORING				EDF
SL20244862-AMW-13AR	0	BZ	1/29/2019	UG/L	ND	0.5	37.7666675	-122.2235634	MONITORING		10	8	EDF
SL20244862-AMW-13AR	32	BZ	8/17/2018	UG/L	=	0.5	37.7666675	-122.2235634	MONITORING		10	8	EDF
SL20244862-AMW-13B	21	BZ	8/16/2018	UG/L	=	0.5	37.7666722	-122.2235346	MONITORING				EDF
SL20244862-AMW-13B	1.3	BZ	1/29/2019	UG/L	=	0.5	37.7666722	-122.2235346	MONITORING				EDF
SL20244862-AMW-14B	59	BZ	1/28/2019	UG/L	=	1	37.7662006	-122.2237995	MONITORING		27	10	EDF
SL20244862-AMW-14B	400	BZ	8/16/2018	UG/L	=	10	37.7662006	-122.2237995	MONITORING		27	10	EDF
SL20244862-AMW-17A	0	BZ	1/29/2019	UG/L	ND	0.5	37.766592	-122.2237993	MONITORING		10	8	EDF
SL20244862-AMW-17B	0	BZ	1/29/2019	UG/L	ND	0.5	37.7665997	-122.223806	MONITORING		26	10	EDF
SL20244862-AMW-17B	0	BZ	8/16/2018	UG/L	ND	0.5	37.7665997	-122.223806	MONITORING		26	10	EDF
SL20244862-AMW-18B	2.6	BZ	1/28/2019	UG/L	=	0.5	37.7662123	-122.2238961	MONITORING				EDF
SL20244862-AMW-18B	8.5	BZ	8/17/2018	UG/L	=	0.5	37.7662123	-122.2238961	MONITORING				EDF
SL20244862-AMW-1A	0	BZ	8/17/2018	UG/L	ND	0.5	37.766695	-122.224039	MONITORING				EDF
SL20244862-AMW-1A	0.65	BZ	1/30/2019	UG/L	=	0.5	37.766695	-122.224039	MONITORING				EDF
SL20244862-AMW-1B	0	BZ	1/30/2019	UG/L	ND	0.5	37.7666866	-122.2240268	MONITORING				EDF
SL20244862-AMW-1B	0	BZ	8/17/2018	UG/L	ND	0.5	37.7666866	-122.2240268	MONITORING				EDF

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SL20244862-AMW-1B	0	BZ	11/9/2018	UG/L	ND	0.5	37.7666866	-122.2240268	MONITORING				EDF
SL20244862-AMW-2B	1100	BZ	1/29/2019	UG/L	=	50	37.7665343	-122.2238173	MONITORING		27.95		EDF
SL20244862-AMW-2B	170	BZ	8/17/2018	UG/L	=	2.5	37.7665343	-122.2238173	MONITORING		27.95		EDF
SL20244862-AMW-3A	0	BZ	8/16/2018	UG/L	ND	0.5	37.7665503	-122.2244457	MONITORING		7.75		EDF
SL20244862-AMW-3B	0	BZ	1/28/2019	UG/L	ND	100	37.7665564	-122.2244535	MONITORING		21.75		EDF
SL20244862-AMW-3B	0	BZ	11/9/2018	UG/L	ND	50	37.7665564	-122.2244535	MONITORING		21.75		EDF
SL20244862-AMW-3B	0	BZ	8/17/2018	UG/L	ND	200	37.7665564	-122.2244535	MONITORING		21.75		EDF
SL20244862-AMW-4A	0	BZ	1/30/2019	UG/L	ND	0.5	37.7662836	-122.2241343	MONITORING		6.82		EDF
SL20244862-AMW-4B	4.5	BZ	8/17/2018	UG/L	=	0.5	37.7662928	-122.2241481	MONITORING		22.89		EDF
SL20244862-AMW-4B	8	BZ	1/28/2019	UG/L	=	0.5	37.7662928	-122.2241481	MONITORING		22.89		EDF
SL20244862-AMW-4B	7.5	BZ	11/9/2018	UG/L	=	0.5	37.7662928	-122.2241481	MONITORING		22.89		EDF
SL20244862-AMW-5AR	2500	BZ	8/16/2018	UG/L	=	50	37.7660134	-122.2236205	MONITORING		10	8	EDF
SL20244862-AMW-5AR	4	BZ	1/30/2019	UG/L	=	0.5	37.7660134	-122.2236205	MONITORING		10	8	EDF
SL20244862-AMW-5B	1	BZ	8/17/2018	UG/L	=	0.5	37.766014	-122.2236072	MONITORING		23		EDF
SL20244862-AMW-5B	14	BZ	1/30/2019	UG/L	=	0.5	37.766014	-122.2236072	MONITORING		23		EDF
SL20244862-AMW-7B	0	BZ	1/28/2019	UG/L	ND	0.5	37.7669555	-122.2238839	MONITORING		24		EDF
SL20244862-AMW-7B	0	BZ	8/16/2018	UG/L	ND	0.5	37.7669555	-122.2238839	MONITORING		24		EDF
SL20244862-AMW-9B	79	BZ	8/17/2018	UG/L	=	2	37.7661133	-122.2233412	MONITORING		23.8		EDF
SL20244862-AMW-9B	390	BZ	1/28/2019	UG/L	=	20	37.7661133	-122.2233412	MONITORING		23.8		EDF
SL20244862-APZ-1B	0	BZ	1/28/2019	UG/L	ND	0.5	37.7661732	-122.2237508	MONITORING				EDF
SL20244862-PZ-2	0	BZ	8/17/2018	UG/L	ND	0.5	37.7666071	-122.2237795	MONITORING				EDF
SL20244862-PZ-2	0	BZ	1/29/2019	UG/L	ND	0.5	37.7666071	-122.2237795	MONITORING				EDF
SL374211188-MW-10	0	BZ	10/31/2018	UG/L	ND	0.5	37.916958	-122.3669297	MONITORING	14.32			EDF
SL374211188-MW-10	0	BZ	1/17/2019	UG/L	ND	0.5	37.916958	-122.3669297	MONITORING	14.32			EDF
SL374211188-MW-10	0	BZ	8/6/2018	UG/L	ND	0.5	37.916958	-122.3669297	MONITORING	14.32			EDF
SL374211188-MW-11	0	BZ	8/7/2018	UG/L	ND	0.5	37.916676	-122.3668027	MONITORING	18.8			EDF
SL374211188-MW-11	0	BZ	11/1/2018	UG/L	ND	0.5	37.916676	-122.3668027	MONITORING	18.8			EDF
SL374211188-MW-11	0	BZ	1/17/2019	UG/L	ND	0.5	37.916676	-122.3668027	MONITORING	18.8			EDF
SL374211188-MW-12	0	BZ	8/7/2018	UG/L	ND	0.5	37.9166706	-122.3666519	MONITORING	14.21			EDF
SL374211188-MW-12	0	BZ	1/17/2019	UG/L	ND	0.5	37.9166706	-122.3666519	MONITORING	14.21			EDF
SL374211188-MW-12	0	BZ	11/1/2018	UG/L	ND	0.5	37.9166706	-122.3666519	MONITORING	14.21			EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top of Screen (FT)	Screen Length (FT)	Source
SL374211188-MW-13	0	BZ	11/1/2018	UG/L	ND	0.5	37.916666	-122.3665121	MONITORING	9.88			EDF
SL374211188-MW-14	0	BZ	11/1/2018	UG/L	ND	0.5	37.91667	-122.3663603	MONITORING	10.5			EDF
SL374211188-MW-16	0	BZ	1/17/2019	UG/L	ND	0.5	37.9164683	-122.3660472	MONITORING	7.92			EDF
SL374211188-MW-16	0	BZ	11/1/2018	UG/L	ND	0.5	37.9164683	-122.3660472	MONITORING	7.92			EDF
SL374211188-MW-16	0	BZ	8/7/2018	UG/L	ND	0.5	37.9164683	-122.3660472	MONITORING	7.92			EDF
SL374211188-MW-18	0	BZ	8/7/2018	UG/L	ND	0.5	37.9161799	-122.365978	MONITORING	10.25			EDF
SL374211188-MW-18	0	BZ	10/31/2018	UG/L	ND	0.5	37.9161799	-122.365978	MONITORING	10.25			EDF
SL374211188-MW-18	0	BZ	1/17/2019	UG/L	ND	0.5	37.9161799	-122.365978	MONITORING	10.25			EDF
SL374211188-MW-20	0	BZ	11/1/2018	UG/L	ND	0.5	37.9166269	-122.3660268	MONITORING	11.9			EDF
SL374211188-MW-20	0	BZ	8/7/2018	UG/L	ND	0.5	37.9166269	-122.3660268	MONITORING	11.9			EDF
SL374211188-MW-20	0	BZ	1/17/2019	UG/L	ND	0.5	37.9166269	-122.3660268	MONITORING	11.9			EDF
SL374211188-MW-21	0	BZ	8/7/2018	UG/L	ND	0.5	37.9166656	-122.3658416	MONITORING	22.46			EDF
SL374211188-MW-21	0	BZ	1/17/2019	UG/L	ND	0.5	37.9166656	-122.3658416	MONITORING	22.46			EDF
SL374211188-MW-21	0	BZ	10/31/2018	UG/L	ND	0.5	37.9166656	-122.3658416	MONITORING	22.46			EDF
SL374211188-MW-22	0	BZ	8/7/2018	UG/L	ND	0.5	37.9154816	-122.3655665	MONITORING	7.63			EDF
SL374211188-MW-22	0	BZ	11/1/2018	UG/L	ND	0.5	37.9154816	-122.3655665	MONITORING	7.63			EDF
SL374211188-MW-22	0	BZ	1/17/2019	UG/L	ND	0.5	37.9154816	-122.3655665	MONITORING	7.63			EDF
SL374211188-MW-23	0	BZ	8/6/2018	UG/L	ND	0.5	37.9146628	-122.3654886	MONITORING	9.65			EDF
SL374211188-MW-23	0	BZ	10/31/2018	UG/L	ND	0.5	37.9146628	-122.3654886	MONITORING	9.65			EDF
SL374211188-MW-23	0	BZ	1/16/2019	UG/L	ND	0.5	37.9146628	-122.3654886	MONITORING	9.65			EDF
SL374211188-MW-24	0	BZ	11/1/2018	UG/L	ND	0.5	37.914886	-122.3657611	MONITORING	8.49	3.5	10	EDF
SL374211188-MW-24	0	BZ	1/17/2019	UG/L	ND	0.5	37.914886	-122.3657611	MONITORING	8.49	3.5	10	EDF
SL374211188-MW-24	0	BZ	8/7/2018	UG/L	ND	0.5	37.914886	-122.3657611	MONITORING	8.49	3.5	10	EDF
SL374211188-MW-25	0	BZ	1/17/2019	UG/L	ND	0.5	37.914611	-122.3657607	MONITORING	12.6	2.5	10	EDF
SL374211188-MW-25	0	BZ	8/6/2018	UG/L	ND	0.5	37.914611	-122.3657607	MONITORING	12.6	2.5	10	EDF
SL374211188-MW-25	0	BZ	10/31/2018	UG/L	ND	0.5	37.914611	-122.3657607	MONITORING	12.6	2.5	10	EDF
SL374211188-MW-26	0	BZ	1/17/2019	UG/L	ND	0.5	37.91443	-122.36574	MONITORING	12.2	3	10	EDF
SL374211188-MW-26	0	BZ	8/6/2018	UG/L	ND	0.5	37.91443	-122.36574	MONITORING	12.2	3	10	EDF
SL374211188-MW-26	0	BZ	10/31/2018	UG/L	ND	0.5	37.91443	-122.36574	MONITORING	12.2	3	10	EDF
SL374211188-MW-27	0	BZ	11/1/2018	UG/L	ND	0.5	37.9150943	-122.3655451	MONITORING	14.9	3	12	EDF
SL374211188-MW-27	0	BZ	1/17/2019	UG/L	ND	0.5	37.9150943	-122.3655451	MONITORING	14.9	3	12	EDF

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SL374211188-MW-27	0	BZ	8/6/2018	UG/L	ND	0.5	37.9150943	-122.3655451	MONITORING	14.9	3	12	EDF
SL374211188-MW-28	0	BZ	8/6/2018	UG/L	ND	0.5	37.9168946	-122.3662628	MONITORING	14.9	3	12	EDF
SL374211188-MW-28	0	BZ	1/17/2019	UG/L	ND	0.5	37.9168946	-122.3662628	MONITORING	14.9	3	12	EDF
SL374211188-MW-28	0	BZ	10/31/2018	UG/L	ND	0.5	37.9168946	-122.3662628	MONITORING	14.9	3	12	EDF
SL374211188-MW-3	0	BZ	8/7/2018	UG/L	ND	0.5	37.91428	-122.3668806	MONITORING	9.01			EDF
SL374211188-MW-3	0	BZ	10/31/2018	UG/L	ND	0.5	37.91428	-122.3668806	MONITORING	9.01			EDF
SL374211188-MW-3	0	BZ	1/17/2019	UG/L	ND	0.5	37.91428	-122.3668806	MONITORING	9.01			EDF
SL374211188-MW-5	0	BZ	10/31/2018	UG/L	ND	0.5	37.917632	-122.3671446	MONITORING	8.6			EDF
SL374211188-MW-5	0	BZ	8/6/2018	UG/L	ND	0.5	37.917632	-122.3671446	MONITORING	8.6			EDF
SL374211188-MW-5	0	BZ	1/17/2019	UG/L	ND	0.5	37.917632	-122.3671446	MONITORING	8.6			EDF
SL374211188-MW-6	0	BZ	10/31/2018	UG/L	ND	0.5	37.9172709	-122.3709288	MONITORING	14.45			EDF
SL374211188-MW-7	0	BZ	10/31/2018	UG/L	ND	0.5	37.9145078	-122.367912	MONITORING	11.05			EDF
SL374211188-MW-8	0	BZ	1/17/2019	UG/L	ND	0.5	37.9161588	-122.366502	MONITORING	13.03			EDF
SL374211188-MW-8	0	BZ	10/31/2018	UG/L	ND	0.5	37.9161588	-122.366502	MONITORING	13.03			EDF
SL374211188-MW-8	0	BZ	8/7/2018	UG/L	ND	0.5	37.9161588	-122.366502	MONITORING	13.03			EDF
SL374211188-MW-9	0	BZ	10/31/2018	UG/L	ND	0.5	37.9158112	-122.3670172	MONITORING	14.65			EDF
SL374211188-RW-11	0	BZ	10/31/2018	UG/L	ND	0.5	37.9157873	-122.3664703	MONITORING	14.76	3	12	EDF
SL374211188-RW-13	0	BZ	10/31/2018	UG/L	ND	0.5	37.9154955	-122.3664953	MONITORING	12.58	3	12	EDF
SL374211188-RW-13	0	BZ	1/17/2019	UG/L	ND	0.5	37.9154955	-122.3664953	MONITORING	12.58	3	12	EDF
SL374211188-RW-13	0	BZ	8/6/2018	UG/L	ND	0.5	37.9154955	-122.3664953	MONITORING	12.58	3	12	EDF
SL374211188-RW-15	0	BZ	1/17/2019	UG/L	ND	0.5	37.914245	-122.3663342	MONITORING	6.2	2.5	5	EDF
SL374211188-RW-15	0	BZ	11/1/2018	UG/L	ND	0.5	37.914245	-122.3663342	MONITORING	6.2	2.5	5	EDF
SL374211188-RW-15	0	BZ	8/7/2018	UG/L	ND	0.5	37.914245	-122.3663342	MONITORING	6.2	2.5	5	EDF
SL374211188-RW-16	0	BZ	1/17/2019	UG/L	ND	0.5	37.9145961	-122.3661333	MONITORING	5.13	2.5	5	EDF
SL374211188-RW-17	0	BZ	11/1/2018	UG/L	ND	0.5	37.914242	-122.3666158	MONITORING	7.11	2.5	5	EDF
SL374211188-RW-17	0	BZ	1/17/2019	UG/L	ND	0.5	37.914242	-122.3666158	MONITORING	7.11	2.5	5	EDF
SL374211188-RW-17	0	BZ	8/7/2018	UG/L	ND	0.5	37.914242	-122.3666158	MONITORING	7.11	2.5	5	EDF
SL374211188-RW-18	0	BZ	10/31/2018	UG/L	ND	0.5	37.914851	-122.3673967	MONITORING	7.72	2.5	5	EDF
SL374211188-RW-19	0	BZ	10/31/2018	UG/L	ND	0.5	37.9151865	-122.3664937	MONITORING	13.2	2.5	12.5	EDF
SL374211188-RW-2	0	BZ	11/1/2018	UG/L	ND	0.5	37.9154109	-122.3668299	MONITORING	8.05	3	5	EDF
SL374211188-RW-20	0	BZ	10/31/2018	UG/L	ND	0.5	37.9153646	-122.3673763	MONITORING	7.44	3	5	EDF

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SL374211188-RW-21	0	BZ	8/6/2018	UG/L	ND	0.5	37.9141655	-122.3678046	MONITORING	8.3	3	5	EDF
SL374211188-RW-21	0	BZ	10/31/2018	UG/L	ND	0.5	37.9141655	-122.3678046	MONITORING	8.3	3	5	EDF
SL374211188-RW-21	0	BZ	1/17/2019	UG/L	ND	0.5	37.9141655	-122.3678046	MONITORING	8.3	3	5	EDF
SL374211188-RW-22	0	BZ	10/31/2018	UG/L	ND	0.5	37.9161735	-122.3671079	MONITORING	7.7	2.5	5	EDF
SL374211188-RW-23	0	BZ	10/31/2018	UG/L	ND	0.5	37.9141622	-122.3686021	MONITORING	8.07	2.5	5	EDF
SL374211188-RW-24	0	BZ	10/31/2018	UG/L	ND	0.5	37.9144164	-122.3693399	MONITORING	7.62	2.5	5	EDF
SL374211188-RW-3	0	BZ	1/17/2019	UG/L	ND	0.5	37.9157416	-122.3658083	MONITORING	6.94	3	5	EDF
SL374211188-RW-3	0	BZ	8/7/2018	UG/L	ND	0.5	37.9157416	-122.3658083	MONITORING	6.94	3	5	EDF
SL374211188-RW-3	0	BZ	11/1/2018	UG/L	ND	0.5	37.9157416	-122.3658083	MONITORING	6.94	3	5	EDF
SL374211188-RW-4	0	BZ	8/6/2018	UG/L	ND	0.5	37.9163577	-122.3673581	MONITORING	7.2	2	5	EDF
SL374211188-RW-4	0	BZ	1/17/2019	UG/L	ND	0.5	37.9163577	-122.3673581	MONITORING	7.2	2	5	EDF
SL374211188-RW-4	0	BZ	11/1/2018	UG/L	ND	0.5	37.9163577	-122.3673581	MONITORING	7.2	2	5	EDF
SL374211188-RW-5	0	BZ	11/1/2018	UG/L	ND	0.5	37.915164	-122.3658226	MONITORING	6.71	2	5	EDF
SL374211188-RW-5	0	BZ	8/7/2018	UG/L	ND	0.5	37.915164	-122.3658226	MONITORING	6.71	2	5	EDF
SL374211188-RW-5	0	BZ	1/17/2019	UG/L	ND	0.5	37.915164	-122.3658226	MONITORING	6.71	2	5	EDF
SL374211188-RW-6	0	BZ	1/17/2019	UG/L	ND	0.5	37.9144291	-122.3657396	MONITORING	6.35	2	5	EDF
SL374211188-RW-6	0	BZ	8/6/2018	UG/L	ND	0.5	37.9144291	-122.3657396	MONITORING	6.35	2	5	EDF
SL374211188-RW-6	0	BZ	10/31/2018	UG/L	ND	0.5	37.9144291	-122.3657396	MONITORING	6.35	2	5	EDF
SL374211188-RW-7	0	BZ	10/31/2018	UG/L	ND	0.5	37.9144123	-122.3663072	MONITORING	7.03	2	6	EDF
SL374211188-RW-9	0	BZ	1/17/2019	UG/L	ND	0.5	37.914245	-122.3658639	MONITORING	7.5	2	6	EDF
SL374211188-RW-9	0	BZ	8/7/2018	UG/L	ND	0.5	37.914245	-122.3658639	MONITORING	7.5	2	6	EDF
SL374211188-RW-9	0	BZ	10/31/2018	UG/L	ND	0.5	37.914245	-122.3658639	MONITORING	7.5	2	6	EDF
SL599992806-MW-4R	0	BZ	10/16/2018	UG/L	ND	0.5	37.7131936	-122.2025917	MONITORING		3	10	EDF
SL599992806-MW-5R	0	BZ	10/16/2018	UG/L	ND	0.5	37.7132446	-122.2024901	MONITORING		3	10	EDF
SL599992806-MW-8	0	BZ	10/16/2018	UG/L	ND	0.5	37.7131393	-122.2028435	MONITORING		7.46	15	EDF
SL599992806-MW-9	0	BZ	10/16/2018	UG/L	ND	0.5	37.713333	-122.2021752	MONITORING		5.29	15	EDF
SL599992806-PMW-1	0	BZ	10/16/2018	UG/L	ND	0.5	37.7132267	-122.2027584	MONITORING		4	6	EDF
SL599992806-PMW-2	0	BZ	10/16/2018	UG/L	ND	0.5	37.7132671	-122.2026146	MONITORING		3	6	EDF
SL599992806-PMW-3	0	BZ	10/16/2018	UG/L	ND	0.5	37.7133181	-122.2024112	MONITORING		3	6	EDF
SL599992806-PMW-4	0	BZ	10/16/2018	UG/L	ND	0.5	37.7132099	-122.2027535	MONITORING		10	2	EDF
SL599992806-PMW-5	0	BZ	10/16/2018	UG/L	ND	0.5	37.7133034	-122.2024159	MONITORING		10	2	EDF

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SL600192789-LMW-1	0	BZ	3/6/2019	UG/L	ND	0.5	37.77155139	-122.2345601	MONITORING		18	5	EDF
SL600192789-LMW-10	1.2	BZ	3/6/2019	UG/L	=	0.5	37.77110222	-122.233291	MONITORING		17	5	EDF
SL600192789-LMW-10	4.1	BZ	10/29/2018	UG/L	=	0.5	37.77110222	-122.233291	MONITORING		17	5	EDF
SL600192789-LMW-11	2.2	BZ	3/6/2019	UG/L	=	0.5	37.77105135	-122.2331784	MONITORING		17.5	5	EDF
SL600192789-LMW-12	0	BZ	3/6/2019	UG/L	ND	0.5	37.77086832	-122.2329368	MONITORING		16	5	EDF
SL600192789-LMW-13	810	BZ	10/29/2018	UG/L	=	10	37.77124549	-122.2329247	MONITORING		16.5	5	EDF
SL600192789-LMW-13	610	BZ	3/6/2019	UG/L	=	10	37.77124549	-122.2329247	MONITORING		16.5	5	EDF
SL600192789-LMW-14	0	BZ	3/6/2019	UG/L	ND	0.5	37.77179201	-122.2341865	MONITORING		18	5	EDF
SL600192789-LMW-15	0	BZ	3/6/2019	UG/L	ND	0.5	37.7716536	-122.2338146	MONITORING		18	5	EDF
SL600192789-LMW-16	71	BZ	10/29/2018	UG/L	=	5	37.77150321	-122.2334078	MONITORING		18	5	EDF
SL600192789-LMW-16	60	BZ	3/6/2019	UG/L	=	0.5	37.77150321	-122.2334078	MONITORING		18	5	EDF
SL600192789-LMW-17	0	BZ	3/6/2019	UG/L	ND	0.5	37.77153587	-122.2327465	MONITORING		18	5	EDF
SL600192789-LMW-18	0	BZ	3/6/2019	UG/L	ND	0.5	37.77194965	-122.2332729	MONITORING		13	5	EDF
SL600192789-LMW-19	0	BZ	3/6/2019	UG/L	ND	0.5	37.77105475	-122.2327216	MONITORING		11	5	EDF
SL600192789-LMW-2	0	BZ	3/6/2019	UG/L	ND	0.5	37.77146119	-122.2343294	MONITORING		17.5	5	EDF
SL600192789-LMW-3	0	BZ	3/6/2019	UG/L	ND	0.5	37.77141021	-122.2342518	MONITORING		17.5	5	EDF
SL600192789-LMW-4	0	BZ	3/6/2019	UG/L	ND	0.5	37.77136935	-122.2341051	MONITORING		17.5	5	EDF
SL600192789-LMW-5	930	BZ	3/6/2019	UG/L	=	10	37.77134557	-122.2339439	MONITORING		17.5	5	EDF
SL600192789-LMW-6	0	BZ	3/6/2019	UG/L	ND	0.5	37.77132132	-122.2337996	MONITORING		17	5	EDF
SL600192789-LMW-7	360	BZ	3/6/2019	UG/L	=	10	37.77127497	-122.2336846	MONITORING		17.5	5	EDF
SL600192789-LMW-8	44	BZ	3/6/2019	UG/L	=	0.5	37.77122855	-122.233554	MONITORING		17	5	EDF
SL600192789-LMW-9	0.95	BZ	3/6/2019	UG/L	=	0.5	37.77117615	-122.2334264	MONITORING		17	5	EDF
SLT2O07076-MW-17	0	BZ	10/26/2018	UG/L	ND	1	37.8390419	-122.2911715	MONITORING				EDF
SLT2O07076-MW-18	0	BZ	10/26/2018	UG/L	ND	1	37.8389902	-122.2914482	MONITORING				EDF
SLT2O07076-MW-19A	0	BZ	10/26/2018	UG/L	ND	1	37.8389341	-122.2917242	MONITORING				EDF
SLT2O07076-MWX-10A	0	BZ	10/26/2018	UG/L	ND	1	37.8391195	-122.2917202	MONITORING				EDF
SLT2O07076-MWX-3	0.5	BZ	10/26/2018	UG/L	ND	2	37.8390958	-122.2913732	MONITORING				EDF
SLT2O07076-MWX-6	0	BZ	10/26/2018	UG/L	ND	1	37.8388625	-122.2924265	MONITORING				EDF
SLT2O07076-MWX-8	0	BZ	10/26/2018	UG/L	ND	1	37.83899	-122.2917935	MONITORING				EDF
SLT2O07076-MWX-9	0	BZ	10/26/2018	UG/L	ND	1	37.8388923	-122.2922482	MONITORING				EDF
SLT2O235331-EX-1	0	BZ	3/28/2019	UG/L	ND	0.5	37.922585	-122.368065	MONITORING		5	7	EDF

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SLT2O235331-EX-2	0	BZ	3/28/2019	UG/L	ND	0.5	37.92205	-122.368057	MONITORING		5	7	EDF
SLT2O235331-EX-3	0	BZ	3/26/2019	UG/L	ND	0.5	37.921385	-122.368059	MONITORING		5	7	EDF
SLT2O235331-EX-4	0	BZ	3/28/2019	UG/L	ND	0.5	37.920877	-122.36826	MONITORING		5	7	EDF
SLT2O235331-EX-5	0	BZ	3/28/2019	UG/L	ND	0.5	37.921231	-122.368761	MONITORING		5	7	EDF
SLT2O235331-EX-6	0	BZ	3/28/2019	UG/L	ND	0.5	37.921977	-122.370029	MONITORING		5	7	EDF
SLT2O235331-EX-7	0	BZ	3/28/2019	UG/L	ND	0.5	37.92166	-122.369511	MONITORING		5	7	EDF
SLT2O235331-MW-29	0	BZ	3/21/2019	UG/L	ND	0.5	37.9210477	-122.3687638	MONITORING				EDF
SLT2O235331-MW-30	0	BZ	3/21/2019	UG/L	ND	0.5	37.9217339	-122.3698291	MONITORING				EDF
SLT2O235331-MW-31	0.8	BZ	3/21/2019	UG/L	=	0.5	37.922703	-122.3702785	MONITORING				EDF
SLT2O235331-MW-32	0	BZ	3/22/2019	UG/L	ND	0.5	37.9243976	-122.3694939	MONITORING				EDF
SLT2O235331-MW-33	0	BZ	3/27/2019	UG/L	ND	0.5	37.9230177	-122.3692868	MONITORING				EDF
SLT2O235331-MW-34	0	BZ	3/22/2019	UG/L	ND	0.5	37.9238846	-122.3694716	MONITORING				EDF
SLT2O235331-MW-35	0	BZ	3/27/2019	UG/L	ND	1	37.9216703	-122.3679857	MONITORING				EDF
SLT2O235331-MW-39	0	BZ	3/22/2019	UG/L	ND	0.5	37.92284443	-122.3681824	MONITORING		3	10	EDF
SLT2O235331-MW-40	0	BZ	3/22/2019	UG/L	ND	0.5	37.92312302	-122.3682621	MONITORING		2	10	EDF
SLT2O235331-MW-41	0	BZ	3/26/2019	UG/L	ND	0.5	37.92312197	-122.3685082	MONITORING		2	10	EDF
SLT2O235331-OW-1	0	BZ	3/27/2019	UG/L	ND	0.5	37.9222141	-122.3689796	MONITORING				EDF
SLT2O235331-OW-12	0	BZ	3/27/2019	UG/L	ND	0.5	37.9225709	-122.3695204	MONITORING				EDF
SLT2O235331-OW-16R	0	BZ	3/27/2019	UG/L	ND	2.5	37.9227091	-122.3701448	MONITORING		3	5	EDF
SLT2O235331-OW-17	0	BZ	3/27/2019	UG/L	ND	0.5	37.9242575	-122.3702486	MONITORING				EDF
SLT2O235331-OW-18	7.9	BZ	3/27/2019	UG/L	=	0.5	37.9237161	-122.3700539	MONITORING				EDF
SLT2O235331-OW-19	0	BZ	3/22/2019	UG/L	ND	0.5	37.9250696	-122.3699802	MONITORING				EDF
SLT2O235331-OW-21	0	BZ	3/22/2019	UG/L	ND	1	37.9236958	-122.3689612	MONITORING				EDF
SLT2O235331-OW-23	0	BZ	3/22/2019	UG/L	ND	0.5	37.9236369	-122.3680458	MONITORING				EDF
SLT2O235331-OW-24	0	BZ	3/22/2019	UG/L	ND	2.5	37.9227526	-122.3680047	MONITORING				EDF
SLT2O235331-OW-8	0	BZ	3/27/2019	UG/L	ND	0.5	37.921862	-122.3680887	MONITORING				EDF
SLT2O235331-OW-9	0	BZ	3/27/2019	UG/L	ND	0.5	37.9216567	-122.3685854	MONITORING				EDF
T0600100023-MW-1	0	BZ	10/17/2018	UG/L	ND	5	37.6657543	-122.1110476	MONITORING	24.59	10	15	EDF
T0600100023-MW-1	0	BZ	4/5/2019	UG/L	ND	5	37.6657543	-122.1110476	MONITORING	24.59	10	15	EDF
T0600100023-MW-10	0	BZ	4/5/2019	UG/L	ND	0.5	37.665572	-122.1116717	MONITORING	22.89	10	15	EDF
T0600100023-MW-10	0	BZ	10/16/2018	UG/L	ND	0.5	37.665572	-122.1116717	MONITORING	22.89	10	15	EDF

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T0600100023-MW-11	0	BZ	4/5/2019	UG/L	ND	0.5	37.6659563	-122.1115286	MONITORING	24.58	10	15	EDF
T0600100023-MW-11	0	BZ	10/17/2018	UG/L	ND	0.5	37.6659563	-122.1115286	MONITORING	24.58	10	15	EDF
T0600100023-MW-12	9.5	BZ	4/5/2019	UG/L	=	1	37.6662062	-122.1110086	MONITORING	24.43	10	25	EDF
T0600100023-MW-12	6.8	BZ	10/16/2018	UG/L	=	1	37.6662062	-122.1110086	MONITORING	24.43	10	25	EDF
T0600100023-MW-2	3.2	BZ	10/17/2018	UG/L	=	2.5	37.6657543	-122.1111421	MONITORING	24.77	10	15	EDF
T0600100023-MW-2	5.5	BZ	4/8/2019	UG/L	=	2.5	37.6657543	-122.1111421	MONITORING	24.77	10	15	EDF
T0600100023-MW-3	0	BZ	4/5/2019	UG/L	ND	0.5	37.6657741	-122.1109271	MONITORING	24.49	10	15	EDF
T0600100023-MW-3	0	BZ	10/16/2018	UG/L	ND	0.5	37.6657741	-122.1109271	MONITORING	24.49	10	15	EDF
T0600100023-MW-4	0	BZ	4/5/2019	UG/L	ND	0.5	37.6658586	-122.111072	MONITORING	24.76	10	15	EDF
T0600100023-MW-4	0	BZ	10/17/2018	UG/L	ND	0.5	37.6658586	-122.111072	MONITORING	24.76	10	15	EDF
T0600100023-MW-5	0	BZ	10/17/2018	UG/L	ND	5	37.6658838	-122.1113597	MONITORING	23.7	10	15	EDF
T0600100023-MW-5	0	BZ	4/8/2019	UG/L	ND	5	37.6658838	-122.1113597	MONITORING	23.7	10	15	EDF
T0600100023-MW-6	0	BZ	10/17/2018	UG/L	ND	10	37.6657995	-122.1113563	MONITORING	23.84	10	15	EDF
T0600100023-MW-6	0	BZ	4/8/2019	UG/L	ND	10	37.6657995	-122.1113563	MONITORING	23.84	10	15	EDF
T0600100023-MW-7	0	BZ	10/17/2018	UG/L	ND	0.5	37.6659687	-122.1109735	MONITORING	26.91	11.8	15	EDF
T0600100023-MW-7	0	BZ	4/5/2019	UG/L	ND	0.5	37.6659687	-122.1109735	MONITORING	26.91	11.8	15	EDF
T0600100023-MW-8	0	BZ	4/5/2019	UG/L	ND	2.5	37.6659573	-122.1111887	MONITORING	21.1	10	15	EDF
T0600100023-MW-8	0	BZ	10/17/2018	UG/L	ND	2.5	37.6659573	-122.1111887	MONITORING	21.1	10	15	EDF
T0600100023-MW-9	0	BZ	4/5/2019	UG/L	ND	0.5	37.665776	-122.1116849	MONITORING	23.59	10	15	EDF
T0600100023-MW-9	0	BZ	10/16/2018	UG/L	ND	0.5	37.665776	-122.1116849	MONITORING	23.59	10	15	EDF
T0600100106-MW-1	0	BZ	11/16/2018	UG/L	ND	0.5	37.8505529	-122.2609217	MONITORING				EDF
T0600100106-MW-1	0	BZ	9/12/2018	UG/L	ND	0.5	37.8505529	-122.2609217	MONITORING				EDF
T0600100106-MW-1	0	BZ	2/26/2019	UG/L	ND	0.5	37.8505529	-122.2609217	MONITORING				EDF
T0600100106-MW-10	0	BZ	2/26/2019	UG/L	ND	0.5	37.8500349	-122.2612052	MONITORING				EDF
T0600100106-MW-10	0	BZ	11/16/2018	UG/L	ND	0.5	37.8500349	-122.2612052	MONITORING				EDF
T0600100106-MW-11	120	BZ	11/16/2018	UG/L	=	0.5	37.8500741	-122.2609207	MONITORING				EDF
T0600100106-MW-11	22	BZ	2/26/2019	UG/L	=	0.5	37.8500741	-122.2609207	MONITORING				EDF
T0600100106-MW-2	0	BZ	9/12/2018	UG/L	ND	0.5	37.850265	-122.260703	MONITORING				EDF
T0600100106-MW-2	0	BZ	11/16/2018	UG/L	ND	0.5	37.850265	-122.260703	MONITORING				EDF
T0600100106-MW-2	0	BZ	2/26/2019	UG/L	ND	0.5	37.850265	-122.260703	MONITORING				EDF
T0600100106-MW-3	2.2	BZ	2/26/2019	UG/L	=	0.5	37.8502241	-122.2613074	MONITORING				EDF

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T0600100106-MW-3	4.9	BZ	9/12/2018	UG/L	=	0.5	37.8502241	-122.2613074	MONITORING				EDF
T0600100106-MW-3	0	BZ	11/16/2018	UG/L	ND	0.5	37.8502241	-122.2613074	MONITORING				EDF
T0600100106-MW-4	750	BZ	9/12/2018	UG/L	=	5	37.8503259	-122.260995	MONITORING				EDF
T0600100106-MW-4	490	BZ	11/16/2018	UG/L	=	5	37.8503259	-122.260995	MONITORING				EDF
T0600100106-MW-4	380	BZ	2/26/2019	UG/L	=	2.5	37.8503259	-122.260995	MONITORING				EDF
T0600100106-MW-5	0	BZ	11/16/2018	UG/L	ND	0.5	37.8500028	-122.2614933	MONITORING				EDF
T0600100106-MW-5	0	BZ	2/26/2019	UG/L	ND	0.5	37.8500028	-122.2614933	MONITORING				EDF
T0600100106-MW-6	0	BZ	11/16/2018	UG/L	ND	0.5	37.8504109	-122.2613251	MONITORING				EDF
T0600100106-MW-6	0	BZ	2/26/2019	UG/L	ND	0.5	37.8504109	-122.2613251	MONITORING				EDF
T0600100106-MW-7	0	BZ	9/12/2018	UG/L	ND	0.5	37.8504703	-122.2606564	MONITORING				EDF
T0600100106-MW-7	0	BZ	11/16/2018	UG/L	ND	0.5	37.8504703	-122.2606564	MONITORING				EDF
T0600100106-MW-7	0	BZ	2/26/2019	UG/L	ND	0.5	37.8504703	-122.2606564	MONITORING				EDF
T0600100106-MW-8	81	BZ	11/16/2018	UG/L	=	0.5	37.850354	-122.2606778	MONITORING				EDF
T0600100106-MW-8	7.2	BZ	9/12/2018	UG/L	=	0.5	37.850354	-122.2606778	MONITORING				EDF
T0600100106-MW-8	5.6	BZ	2/26/2019	UG/L	=	0.5	37.850354	-122.2606778	MONITORING				EDF
T0600100106-MW-9	0	BZ	11/16/2018	UG/L	ND	0.5	37.8503606	-122.2607613	MONITORING				EDF
T0600100106-MW-9	0	BZ	9/12/2018	UG/L	ND	0.5	37.8503606	-122.2607613	MONITORING				EDF
T0600100106-MW-9	1.6	BZ	2/26/2019	UG/L	=	0.5	37.8503606	-122.2607613	MONITORING				EDF
T0600100174-MW-1	0	BZ	3/8/2019	UG/L	ND	1	37.8534345	-122.2895074	MONITORING	28.57	9.5	29.5	EDF
T0600100174-MW-1	0	BZ	9/13/2018	UG/L	ND	1	37.8534345	-122.2895074	MONITORING	28.57	9.5	29.5	EDF
T0600100174-MW-1	0	BZ	11/2/2018	UG/L	ND	1	37.8534345	-122.2895074	MONITORING	28.57	9.5	29.5	EDF
T0600100174-MW-2	0	BZ	9/13/2018	UG/L	ND	1	37.8532649	-122.2894574	MONITORING	29	9.5	29.5	EDF
T0600100174-MW-2	0	BZ	11/2/2018	UG/L	ND	1	37.8532649	-122.2894574	MONITORING	29	9.5	29.5	EDF
T0600100174-MW-2	0	BZ	3/8/2019	UG/L	ND	1	37.8532649	-122.2894574	MONITORING	29	9.5	29.5	EDF
T0600100174-MW-3	0	BZ	3/8/2019	UG/L	ND	1	37.8534552	-122.2889644	MONITORING	26.85	5.5	27.5	EDF
T0600100174-MW-3	0	BZ	11/2/2018	UG/L	ND	1	37.8534552	-122.2889644	MONITORING	26.85	5.5	27.5	EDF
T0600100174-MW-3	0	BZ	9/13/2018	UG/L	ND	1	37.8534552	-122.2889644	MONITORING	26.85	5.5	27.5	EDF
T0600100174-MW-4	0	BZ	11/2/2018	UG/L	ND	1	37.8527471	-122.2888423	MONITORING	23.74	13	23	EDF
T0600100174-MW-4	0	BZ	3/8/2019	UG/L	ND	1	37.8527471	-122.2888423	MONITORING	23.74	13	23	EDF
T0600100174-MW-5	0	BZ	3/8/2019	UG/L	ND	1	37.8529153	-122.2881249	MONITORING	22.62	7	22	EDF
T0600100174-MW-5	0	BZ	11/2/2018	UG/L	ND	1	37.8529153	-122.2881249	MONITORING	22.62	7	22	EDF

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T0600100174-MW-6	0	BZ	3/8/2019	UG/L	ND	1	37.8535593	-122.2883264	MONITORING	20.12	10	20	EDF
T0600100174-MW-6	0	BZ	11/2/2018	UG/L	ND	1	37.8535593	-122.2883264	MONITORING	20.12	10	20	EDF
T0600100213-MW-11	0	BZ	1/16/2019	UG/L	ND	1	37.7908152	-122.204726	MONITORING		11	15	EDF
T0600100213-MW-11	0	BZ	8/1/2018	UG/L	ND	1	37.7908152	-122.204726	MONITORING		11	15	EDF
T0600100213-MW-12	0	BZ	1/16/2019	UG/L	ND	1	37.7907498	-122.2044765	MONITORING				EDF
T0600100213-MW-13	0	BZ	1/16/2019	UG/L	ND	1	37.7910638	-122.204166	MONITORING				EDF
T0600100213-MW-2	7610	BZ	1/16/2019	UG/L	=	250	37.7914376	-122.2047025	MONITORING				EDF
T0600100213-MW-2	12300	BZ	8/1/2018	UG/L	=	250	37.7914376	-122.2047025	MONITORING				EDF
T0600100213-MW-3	0	BZ	1/16/2019	UG/L	ND	1	37.791623	-122.2049134	MONITORING				EDF
T0600100213-MW-4	0	BZ	1/16/2019	UG/L	ND	1	37.7917827	-122.2044747	MONITORING				EDF
T0600100213-MW-5	1.26	BZ	8/1/2018	UG/L	=	1	37.7909404	-122.2047175	MONITORING				EDF
T0600100213-MW-6	0	BZ	1/16/2019	UG/L	ND	1	37.7916397	-122.2051005	MONITORING				EDF
T0600100213-MW-7	0	BZ	1/16/2019	UG/L	ND	1	37.7913625	-122.2043486	MONITORING				EDF
T0600100213-MW-8	83.9	BZ	8/1/2018	UG/L	=	1	37.7913583	-122.2049013	MONITORING				EDF
T0600100213-MW-8	136	BZ	1/16/2019	UG/L	=	1	37.7913583	-122.2049013	MONITORING				EDF
T0600100213-MW-9	0	BZ	8/1/2018	UG/L	ND	1	37.7915281	-122.2049867	MONITORING				EDF
T0600100213-MW-9	0	BZ	1/16/2019	UG/L	ND	1	37.7915281	-122.2049867	MONITORING				EDF
T0600100213-RW-1	0	BZ	1/16/2019	UG/L	ND	1	37.7914412	-122.2047068	MONITORING				EDF
T0600100213-RW-1	2.16	BZ	8/1/2018	UG/L	=	1	37.7914412	-122.2047068	MONITORING				EDF
T0600100217-MW-10	2550	BZ	9/21/2018	UG/L	=	50	37.7749082	-122.2118646	MONITORING				EDF
T0600100217-MW-10	559	BZ	3/13/2019	UG/L	=	100	37.7749082	-122.2118646	MONITORING				EDF
T0600100217-MW-11	346	BZ	9/21/2018	UG/L	=	5	37.774949	-122.2119062	MONITORING				EDF
T0600100217-MW-11	304	BZ	3/13/2019	UG/L	=	10	37.774949	-122.2119062	MONITORING				EDF
T0600100217-MW-12	1960	BZ	3/13/2019	UG/L	=	25	37.7749216	-122.2117638	MONITORING				EDF
T0600100217-MW-12	2340	BZ	9/21/2018	UG/L	=	500	37.7749216	-122.2117638	MONITORING				EDF
T0600100217-MW-3	0	BZ	3/13/2019	UG/L	ND	1	37.7749967	-122.2117942	MONITORING				EDF
T0600100217-MW-4	0	BZ	3/13/2019	UG/L	ND	1	37.7750895	-122.2120129	MONITORING				EDF
T0600100217-MW-5	6610	BZ	9/21/2018	UG/L	=	50	37.7749003	-122.2118454	MONITORING				EDF
T0600100217-MW-5	2720	BZ	3/13/2019	UG/L	=	50	37.7749003	-122.2118454	MONITORING				EDF
T0600100217-MW-6	0	BZ	3/13/2019	UG/L	ND	1	37.7751601	-122.2117221	MONITORING				EDF
T0600100217-MW-7	4.29	BZ	3/13/2019	UG/L	=	1	37.7750187	-122.2116254	MONITORING				EDF

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T0600100274-MW-1	0	BZ	1/23/2019	UG/L	ND	0.5	37.80314273	-122.2306376	MONITORING	24.27	12	13	EDF
T0600100274-MW-2	110	BZ	1/23/2019	UG/L	=	2.5	37.80323921	-122.2304715	MONITORING	35.99	16	20	EDF
T0600100274-MW-3	0	BZ	1/23/2019	UG/L	ND	0.5	37.80336379	-122.2304582	MONITORING	35.6	15.5	22.5	EDF
T0600100274-MW-4	56	BZ	1/23/2019	UG/L	=	1.2	37.80327411	-122.2305482	MONITORING	22.22	17	5	EDF
T0600100274-MW-5	0	BZ	1/23/2019	UG/L	ND	0.5	37.80320986	-122.2305313	MONITORING	22	17	5	EDF
T0600100274-MW-6	4.8	BZ	1/23/2019	UG/L	=	0.5	37.80329222	-122.2304247	MONITORING	22.27	17	5	EDF
T0600100274-MW-7	0	BZ	1/23/2019	UG/L	ND	5	37.80316406	-122.2305723	MONITORING	21.16	16.5	5.5	EDF
T0600100292-C-11	2	BZ	12/18/2018	UG/L	=	1	37.88033219	-122.295955	MONITORING	19.69			EDF
T0600100292-C-18	0	BZ	12/18/2018	UG/L	ND	1	37.88009983	-122.2963381	MONITORING	19.75			EDF
T0600100292-C-19	0	BZ	12/18/2018	UG/L	ND	1	37.87996258	-122.2967761	MONITORING	19.81			EDF
T0600100292-C-20	0.2	BZ	12/18/2018	UG/L	ND	1	37.88007451	-122.2968113	MONITORING	19.17			EDF
T0600100292-C-21	0	BZ	12/18/2018	UG/L	ND	1	37.88012673	-122.2971264	MONITORING	18.25			EDF
T0600100292-C-5	960	BZ	12/18/2018	UG/L	=	10	37.8801284	-122.2962548	MONITORING	23.92			EDF
T0600100292-C-6	0	BZ	12/18/2018	UG/L	ND	1	37.8800541	-122.2960915	MONITORING	23.61			EDF
T0600100292-C-7	0.8	BZ	12/18/2018	UG/L	ND	1	37.88037958	-122.2960091	MONITORING	24.66			EDF
T0600100292-C-8	1900	BZ	12/18/2018	UG/L	=	20	37.88010701	-122.2961539	MONITORING	18.6			EDF
T0600100292-C-9	51	BZ	12/18/2018	UG/L	=	1	37.88006447	-122.2959154	MONITORING	19.02			EDF
T0600100292-MW-2	3	BZ	12/18/2018	UG/L	=	1	37.8802191	-122.2962691	MONITORING	26.72			EDF
T0600100292-MW-3	3	BZ	12/18/2018	UG/L	=	1	37.8802574	-122.2963088	MONITORING	27.49			EDF
T0600100313-MW-4	0	BZ	11/20/2018	UG/L	ND	1	37.81083091	-122.2608176	MONITORING	13.82			EDF
T0600100313-MW-4	0	BZ	4/29/2019	UG/L	ND	1	37.81083091	-122.2608176	MONITORING	13.82			EDF
T0600100313-MW-5	1000	BZ	4/29/2019	UG/L	=	50	37.81079224	-122.2606943	MONITORING	11.09			EDF
T0600100313-MW-5	840	BZ	11/20/2018	UG/L	=	10	37.81079224	-122.2606943	MONITORING	11.09			EDF
T0600100313-MW-6	0	BZ	11/20/2018	UG/L	ND	1	37.81091354	-122.261041	MONITORING	7.99			EDF
T0600100313-MW-6	0	BZ	4/29/2019	UG/L	ND	1	37.81091354	-122.261041	MONITORING	7.99			EDF
T0600100313-MW-8	0	BZ	11/20/2018	UG/L	ND	1	37.81053227	-122.2607443	MONITORING	7.78			EDF
T0600100313-MW-8	0	BZ	4/29/2019	UG/L	ND	1	37.81053227	-122.2607443	MONITORING	7.78			EDF
T0600100328-MW-1	0	BZ	2/27/2019	UG/L	ND	1	37.8091174	-122.2469622	MONITORING	18.97			EDF
T0600100328-MW-1	0	BZ	9/22/2018	UG/L	ND	1	37.8091174	-122.2469622	MONITORING	18.97			EDF
T0600100328-MW-10	0	BZ	2/27/2019	UG/L	ND	1	37.8088985	-122.2478081	MONITORING	18.96			EDF
T0600100328-MW-10	0	BZ	9/22/2018	UG/L	ND	10	37.8088985	-122.2478081	MONITORING	18.96			EDF

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T0600100328-MW-2A	0.2	BZ	9/22/2018	UG/L	ND	1	37.8092243	-122.2469455	MONITORING	16.57			EDF
T0600100328-MW-2A	6	BZ	2/27/2019	UG/L	ND	20	37.8092243	-122.2469455	MONITORING	16.57			EDF
T0600100328-MW-3A	0	BZ	2/27/2019	UG/L	ND	5	37.8091933	-122.2465672	MONITORING	17.83			EDF
T0600100328-MW-3A	0	BZ	9/22/2018	UG/L	ND	1	37.8091933	-122.2465672	MONITORING	17.83			EDF
T0600100328-MW-4A	0.9	BZ	9/22/2018	UG/L	ND	1	37.8092631	-122.2466188	MONITORING	18.35			EDF
T0600100328-MW-4A	6	BZ	2/27/2019	UG/L	ND	10	37.8092631	-122.2466188	MONITORING	18.35			EDF
T0600100328-MW-5	0	BZ	9/22/2018	UG/L	ND	1	37.8089761	-122.2468142	MONITORING	32.53			EDF
T0600100328-MW-5	0	BZ	2/27/2019	UG/L	ND	1	37.8089761	-122.2468142	MONITORING	32.53			EDF
T0600100328-MW-6	0	BZ	9/22/2018	UG/L	ND	10	37.8089395	-122.2475677	MONITORING	18.11			EDF
T0600100328-MW-6	0	BZ	2/27/2019	UG/L	ND	10	37.8089395	-122.2475677	MONITORING	18.11			EDF
T0600100328-MW-8	0	BZ	2/27/2019	UG/L	ND	5	37.809267	-122.2464508	MONITORING	24.79			EDF
T0600100328-MW-9	0	BZ	9/22/2018	UG/L	ND	1	37.8091898	-122.2470611	MONITORING	14.22			EDF
T0600100328-MW-9	0	BZ	2/27/2019	UG/L	ND	1	37.8091898	-122.2470611	MONITORING	14.22			EDF
T0600100330-C-1	2300	BZ	3/15/2019	UG/L	=	20	37.76342039	-122.2266795	MONITORING	16.92			EDF
T0600100330-C-3	0	BZ	3/15/2019	UG/L	ND	1	37.76356994	-122.2269215	MONITORING	18.84			EDF
T0600100330-MW-10	0	BZ	3/15/2019	UG/L	ND	1	37.76325349	-122.2263664	MONITORING	8.91			EDF
T0600100330-MW-10	0	BZ	8/27/2018	UG/L	ND	1	37.76325349	-122.2263664	MONITORING	8.91			EDF
T0600100330-MW-4	0	BZ	3/15/2019	UG/L	ND	1	37.76325662	-122.2266829	MONITORING	12.81			EDF
T0600100330-MW-5	0	BZ	8/27/2018	UG/L	ND	1	37.76330726	-122.2268681	MONITORING	12.31			EDF
T0600100330-MW-5	0	BZ	3/15/2019	UG/L	ND	1	37.76330726	-122.2268681	MONITORING	12.31			EDF
T0600100330-MW-6	12	BZ	8/27/2018	UG/L	=	1	37.763539	-122.2266053	MONITORING	13.53			EDF
T0600100330-MW-6	0	BZ	3/15/2019	UG/L	ND	1	37.763539	-122.2266053	MONITORING	13.53			EDF
T0600100330-MW-7	0	BZ	3/15/2019	UG/L	ND	1	37.76331791	-122.226471	MONITORING	5.75			EDF
T0600100330-MW-7	3	BZ	8/27/2018	UG/L	=	1	37.76331791	-122.226471	MONITORING	5.75			EDF
T0600100330-MW-8	0	BZ	3/15/2019	UG/L	ND	1	37.76354224	-122.2263059	MONITORING	9.14			EDF
T0600100330-MW-9	0	BZ	3/15/2019	UG/L	ND	1	37.76341492	-122.2259949	MONITORING	8.55			EDF
T0600100333-MW-2	0.6	BZ	12/14/2018	UG/L	ND	1	37.77343265	-122.2226881	MONITORING	19.46	5	15	EDF
T0600100333-MW-3	0	BZ	12/14/2018	UG/L	ND	1	37.77362282	-122.2225179	MONITORING	17.95	5	15	EDF
T0600100333-MW-4	0	BZ	12/14/2018	UG/L	ND	1	37.77327809	-122.2225081	MONITORING	17.83	7	13	EDF
T0600100333-VH-1	2	BZ	12/14/2018	UG/L	=	1	37.77354448	-122.2228541	MONITORING	28.96	10	20	EDF
T0600100339-C-1	740	BZ	3/13/2019	UG/L	=	10	37.774896	-122.2122443	MONITORING	38.05			EDF

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T0600100339-C-1	0	BZ	9/21/2018	UG/L	ND	1	37.774896	-122.2122443	MONITORING	38.05			EDF
T0600100339-C-10	0	BZ	9/21/2018	UG/L	ND	1	37.7746722	-122.2120301	MONITORING	29.8			EDF
T0600100339-C-10	0	BZ	3/13/2019	UG/L	ND	1	37.7746722	-122.2120301	MONITORING	29.8			EDF
T0600100339-C-11	0	BZ	9/21/2018	UG/L	ND	1	37.7729656	-122.2123831	MONITORING	19.6			EDF
T0600100339-C-11	4	BZ	3/13/2019	UG/L	=	1	37.7729656	-122.2123831	MONITORING	19.6			EDF
T0600100339-C-13	0	BZ	3/13/2019	UG/L	ND	1	37.774808	-122.2124666	MONITORING	19			EDF
T0600100339-C-13	0	BZ	9/21/2018	UG/L	ND	1	37.774808	-122.2124666	MONITORING	19			EDF
T0600100339-C-2	660	BZ	3/13/2019	UG/L	=	10	37.7745271	-122.2123036	MONITORING	36.3			EDF
T0600100339-C-2	150	BZ	9/21/2018	UG/L	=	10	37.7745271	-122.2123036	MONITORING	36.3			EDF
T0600100339-C-3	0	BZ	9/21/2018	UG/L	ND	1	37.7745947	-122.2124889	MONITORING	39.15			EDF
T0600100339-C-3	4	BZ	3/13/2019	UG/L	=	1	37.7745947	-122.2124889	MONITORING	39.15			EDF
T0600100339-C-4	1200	BZ	3/13/2019	UG/L	=	20	37.7743799	-122.2123715	MONITORING	36.52			EDF
T0600100339-C-4	380	BZ	9/21/2018	UG/L	=	20	37.7743799	-122.2123715	MONITORING	36.52			EDF
T0600100339-C-6	0	BZ	9/21/2018	UG/L	ND	1	37.7741784	-122.2126486	MONITORING	53.65			EDF
T0600100339-C-6	0	BZ	3/13/2019	UG/L	ND	1	37.7741784	-122.2126486	MONITORING	53.65			EDF
T0600100339-C-7	0	BZ	9/21/2018	UG/L	ND	1	37.7739615	-122.212475	MONITORING	50.93			EDF
T0600100339-C-7	0	BZ	3/13/2019	UG/L	ND	1	37.7739615	-122.212475	MONITORING	50.93			EDF
T0600100339-C-8	0	BZ	3/13/2019	UG/L	ND	1	37.773852	-122.2129805	MONITORING	56.01			EDF
T0600100339-C-9	0	BZ	9/21/2018	UG/L	ND	1	37.773664	-122.2127039	MONITORING				EDF
T0600100375-MW-18	0	BZ	8/16/2018	UG/L	ND	1	37.7480236	-122.2103566	MONITORING				EDF
T0600100375-MW-19A	730	BZ	8/16/2018	UG/L	=	5	37.7479606	-122.210739	MONITORING				EDF
T0600100375-MW-19B	9.2	BZ	8/16/2018	UG/L	=	2	37.7479745	-122.2107282	MONITORING				EDF
T0600100375-MW-19C	0	BZ	8/15/2018	UG/L	ND	0.5	37.7479866	-122.2107205	MONITORING				EDF
T0600100375-MW-20A	53	BZ	8/16/2018	UG/L	=	4.2	37.7467485	-122.2095839	MONITORING				EDF
T0600100375-MW-20B	0	BZ	8/16/2018	UG/L	ND	5	37.7467349	-122.2095734	MONITORING				EDF
T0600100375-MW-20C	0	BZ	8/16/2018	UG/L	ND	0.5	37.7467207	-122.2095603	MONITORING				EDF
T0600100406-MW-13	0	BZ	10/19/2018	UG/L	ND	0.5	37.8204078	-122.2608841	MONITORING	39.5	25	15	EDF
T0600100406-MW-20	1100	BZ	10/18/2018	UG/L	=	25	37.820715	-122.262152	MONITORING		10	10	EDF
T0600100406-MW-21	4300	BZ	10/18/2018	UG/L	=	100	37.820596	-122.262089	MONITORING		10	10	EDF
T0600100406-MW-23	360	BZ	10/19/2018	UG/L	=	10	37.820362	-122.261755	MONITORING		12	10	EDF
T0600100406-MW-24	1600	BZ	10/19/2018	UG/L	=	25	37.820402	-122.261631	MONITORING		11	10	EDF

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T0600100406-MW-25	0	BZ	10/19/2018	UG/L	ND	0.5	37.82036	-122.261317	MONITORING		19	10	EDF
T0600100406-MW-26	0	BZ	10/19/2018	UG/L	ND	0.5	37.820199	-122.261421	MONITORING		12	10	EDF
T0600100406-MW-27	0	BZ	10/19/2018	UG/L	ND	0.5	37.820013	-122.261538	MONITORING		21	10	EDF
T0600100466-MW1	0	BZ	3/28/2019	UG/L	ND	0.5	37.8479589	-122.2528098	MONITORING		10	20	EDF
T0600100466-MW2	0	BZ	3/28/2019	UG/L	ND	0.5	37.8472908	-122.2527886	MONITORING		8	20	EDF
T0600100466-MW3	74	BZ	3/28/2019	UG/L	=	0.5	37.8471009	-122.2523813	MONITORING		7	20	EDF
T0600100466-MW4	0	BZ	3/28/2019	UG/L	ND	0.5	37.8470643	-122.2525015	MONITORING		7	20	EDF
T0600100466-MW5	6.4	BZ	3/28/2019	UG/L	=	0.5	37.847245	-122.252902	MONITORING		9	20	EDF
T0600100466-MW6	0	BZ	3/28/2019	UG/L	ND	0.5	37.8471859	-122.2521899	MONITORING		9	20	EDF
T0600100472-EW-1	0	BZ	4/16/2019	UG/L	ND	0.5	37.6284142	-122.0553945	MONITORING				EDF
T0600100472-EW-1	0	BZ	1/3/2019	UG/L	ND	0.5	37.6284142	-122.0553945	MONITORING				EDF
T0600100472-EW-1	0	BZ	9/12/2018	UG/L	ND	0.5	37.6284142	-122.0553945	MONITORING				EDF
T0600100472-EW-2	0	BZ	9/11/2018	UG/L	ND	0.5	37.62855971	-122.0555902	MONITORING		5	10	EDF
T0600100472-EW-2	0	BZ	1/3/2019	UG/L	ND	0.5	37.62855971	-122.0555902	MONITORING		5	10	EDF
T0600100472-EW-2	0	BZ	4/16/2019	UG/L	ND	0.5	37.62855971	-122.0555902	MONITORING		5	10	EDF
T0600100472-EW-3	0	BZ	1/3/2019	UG/L	ND	0.5	37.62858284	-122.0553087	MONITORING		5	10	EDF
T0600100472-EW-3	0	BZ	9/11/2018	UG/L	ND	0.5	37.62858284	-122.0553087	MONITORING		5	10	EDF
T0600100472-EW-3	0	BZ	4/16/2019	UG/L	ND	0.5	37.62858284	-122.0553087	MONITORING		5	10	EDF
T0600100472-EW-4	0	BZ	1/3/2019	UG/L	ND	0.5	37.62848493	-122.0553185	MONITORING		5	10	EDF
T0600100472-EW-4	0	BZ	9/11/2018	UG/L	ND	0.5	37.62848493	-122.0553185	MONITORING		5	10	EDF
T0600100472-EW-4	0	BZ	4/17/2019	UG/L	ND	0.5	37.62848493	-122.0553185	MONITORING		5	10	EDF
T0600100472-EW-5	2.1	BZ	9/11/2018	UG/L	=	0.5	37.62852909	-122.0552461	MONITORING		5	10	EDF
T0600100472-EW-5	0.75	BZ	4/17/2019	UG/L	=	0.5	37.62852909	-122.0552461	MONITORING		5	10	EDF
T0600100472-EW-5	0	BZ	1/3/2019	UG/L	ND	0.5	37.62852909	-122.0552461	MONITORING		5	10	EDF
T0600100472-EW-6	0	BZ	9/12/2018	UG/L	ND	0.5	37.62815311	-122.0554619	MONITORING		5	10	EDF
T0600100472-EW-6	0	BZ	1/4/2019	UG/L	ND	0.5	37.62815311	-122.0554619	MONITORING		5	10	EDF
T0600100472-EW-6	0	BZ	4/17/2019	UG/L	ND	0.5	37.62815311	-122.0554619	MONITORING		5	10	EDF
T0600100472-EW-7	0	BZ	4/17/2019	UG/L	ND	0.5	37.62825246	-122.0552671	MONITORING		5	10	EDF
T0600100472-EW-7	0	BZ	9/12/2018	UG/L	ND	0.5	37.62825246	-122.0552671	MONITORING		5	10	EDF
T0600100472-EW-7	0	BZ	1/4/2019	UG/L	ND	0.5	37.62825246	-122.0552671	MONITORING		5	10	EDF
T0600100472-MW-V	0	BZ	1/3/2019	UG/L	ND	0.5	37.6285227	-122.0556238	MONITORING				EDF

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T0600100472-MW-V	0	BZ	9/11/2018	UG/L	ND	0.5	37.6285227	-122.0556238	MONITORING				EDF
T0600100472-MW-V	0	BZ	4/16/2019	UG/L	ND	0.5	37.6285227	-122.0556238	MONITORING				EDF
T0600100472-MW-W	0	BZ	4/16/2019	UG/L	ND	0.5	37.6284557	-122.0555571	MONITORING				EDF
T0600100472-MW-X	0	BZ	9/12/2018	UG/L	ND	0.5	37.6283936	-122.0554982	MONITORING				EDF
T0600100472-MW-X	0	BZ	4/16/2019	UG/L	ND	0.5	37.6283936	-122.0554982	MONITORING				EDF
T0600100472-MW-X	0	BZ	1/4/2019	UG/L	ND	0.5	37.6283936	-122.0554982	MONITORING				EDF
T0600100472-MW-Y	0	BZ	1/4/2019	UG/L	ND	0.5	37.6284395	-122.055306	MONITORING				EDF
T0600100472-MW-Y	0	BZ	9/12/2018	UG/L	ND	0.5	37.6284395	-122.055306	MONITORING				EDF
T0600100472-MW-Y	0	BZ	4/17/2019	UG/L	ND	0.5	37.6284395	-122.055306	MONITORING				EDF
T0600100472-MW-Z	0	BZ	1/4/2019	UG/L	ND	0.5	37.6286319	-122.055285	MONITORING				EDF
T0600100472-MW-Z	0	BZ	4/16/2019	UG/L	ND	0.5	37.6286319	-122.055285	MONITORING				EDF
T0600100472-MW-Z	0	BZ	9/12/2018	UG/L	ND	0.5	37.6286319	-122.055285	MONITORING				EDF
T0600100639-MW-10	18	BZ	8/28/2018	UG/L	=	2	37.7341395	-122.1641102	MONITORING				EDF
T0600100639-MW-10	4.8	BZ	2/19/2019	UG/L	=	2	37.7341395	-122.1641102	MONITORING				EDF
T0600100639-MW-11	0	BZ	2/19/2019	UG/L	ND	0.5	37.7345691	-122.1637794	MONITORING				EDF
T0600100639-MW-11	0	BZ	8/28/2018	UG/L	ND	0.5	37.7345691	-122.1637794	MONITORING				EDF
T0600100639-MW-12	0	BZ	8/28/2018	UG/L	ND	1	37.734324	-122.1643835	MONITORING				EDF
T0600100639-MW-13	0	BZ	2/19/2019	UG/L	ND	0.5	37.7339287	-122.1645083	MONITORING				EDF
T0600100639-MW-13	0	BZ	8/28/2018	UG/L	ND	0.5	37.7339287	-122.1645083	MONITORING				EDF
T0600100639-MW-14	0	BZ	8/28/2018	UG/L	ND	0.5	37.7337964	-122.163878	MONITORING				EDF
T0600100639-MW-14	0	BZ	2/19/2019	UG/L	ND	0.5	37.7337964	-122.163878	MONITORING				EDF
T0600100639-MW-15	63	BZ	8/28/2018	UG/L	=	10	37.7340395	-122.163138	MONITORING				EDF
T0600100639-MW-15	49	BZ	2/19/2019	UG/L	=	10	37.7340395	-122.163138	MONITORING				EDF
T0600100639-MW-1A	0	BZ	8/28/2018	UG/L	ND	1	37.7345762	-122.1641133	MONITORING				EDF
T0600100639-MW-1A	0	BZ	2/19/2019	UG/L	ND	0.5	37.7345762	-122.1641133	MONITORING				EDF
T0600100639-MW-2	0	BZ	2/19/2019	UG/L	ND	1	37.7338816	-122.1632683	MONITORING				EDF
T0600100639-MW-2	1.8	BZ	8/28/2018	UG/L	=	1	37.7338816	-122.1632683	MONITORING				EDF
T0600100639-MW-3	0	BZ	2/19/2019	UG/L	ND	0.5	37.733992	-122.1633283	MONITORING				EDF
T0600100639-MW-3	0	BZ	8/28/2018	UG/L	ND	0.5	37.733992	-122.1633283	MONITORING				EDF
T0600100639-MW-5	0	BZ	2/19/2019	UG/L	ND	0.5	37.7339032	-122.16297	MONITORING				EDF
T0600100639-MW-8	0	BZ	8/28/2018	UG/L	ND	0.5	37.7339079	-122.1635598	MONITORING				EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top of Screen (FT)	Screen Length (FT)	Source
T0600100639-MW-8	0	BZ	2/19/2019	UG/L	ND	0.5	37.7339079	-122.1635598	MONITORING				EDF
T0600100639-MW-9	0	BZ	8/28/2018	UG/L	ND	0.5	37.7342596	-122.1637102	MONITORING				EDF
T0600100639-MW-9	0	BZ	2/19/2019	UG/L	ND	0.5	37.7342596	-122.1637102	MONITORING				EDF
T0600100666-BC-01	15	BZ	8/21/2018	UG/L	=	2.5	37.8109485	-122.2742193	MONITORING			20	EDF
T0600100666-BC-03	0	BZ	8/21/2018	UG/L	ND	0.5	37.8108495	-122.2743629	MONITORING			20	EDF
T0600100666-ES-01	250	BZ	8/21/2018	UG/L	=	25	37.8109902	-122.2742747	MONITORING		11	20	EDF
T0600100666-ES-02	660	BZ	8/21/2018	UG/L	=	25	37.8108756	-122.2742517	MONITORING		11	20	EDF
T0600100666-ES-03	180	BZ	8/20/2018	UG/L	=	25	37.8107773	-122.2744085	MONITORING		14.5	20	EDF
T0600100666-ES-04	0	BZ	8/21/2018	UG/L	ND	1	37.8110522	-122.2741834	MONITORING		11	20	EDF
T0600100666-ES-05	220	BZ	8/21/2018	UG/L	=	25	37.8109154	-122.2743359	MONITORING		11	20	EDF
T0600100666-ES-06	0	BZ	8/20/2018	UG/L	ND	0.5	37.8107719	-122.2739456	MONITORING		14.5	20	EDF
T0600100666-ES-07	0	BZ	8/20/2018	UG/L	ND	0.5	37.8105923	-122.2745302	MONITORING		14.5	20	EDF
T0600100666-ES-08	1.6	BZ	8/22/2018	UG/L	=	0.5	37.8109332	-122.2745281	MONITORING		14.5	20	EDF
T0600100666-ES-09	0	BZ	8/22/2018	UG/L	ND	0.5	37.8111665	-122.2743792	MONITORING		14.5	20	EDF
T0600100666-ES-11	0	BZ	8/20/2018	UG/L	ND	0.5	37.8111729	-122.2740538	MONITORING		14.4	20	EDF
T0600100667-MW-1	190	BZ	3/1/2019	UG/L	=	10	37.7680196	-122.1951227	MONITORING		18	17	EDF
T0600100667-MW-2	0	BZ	3/1/2019	UG/L	ND	0.5	37.7679831	-122.1952902	MONITORING		15	20	EDF
T0600100667-MW-4	130	BZ	3/1/2019	UG/L	=	0.5	37.7680616	-122.1950351	MONITORING		15.5	20	EDF
T0600100667-MW-5	9.3	BZ	3/1/2019	UG/L	=	1	37.7678994	-122.1952576	MONITORING		15	20	EDF
T0600100667-MW-6	74	BZ	3/1/2019	UG/L	=	0.5	37.7679434	-122.1953024	MONITORING		10	10	EDF
T0600100667-MW-8	0	BZ	3/1/2019	UG/L	ND	0.5	37.7679888	-122.1950462	MONITORING		5	15	EDF
T0600100667-MW-9	0	BZ	3/1/2019	UG/L	ND	0.5	37.7680506	-122.195179	MONITORING		5	15	EDF
T0600100939-IW-3	0	BZ	8/29/2018	UG/L	ND	0.5	37.7328033	-122.2012724	MONITORING		4	5	EDF
T0600100939-IW-4	0	BZ	8/28/2018	UG/L	ND	0.5	37.7325278	-122.2015582	MONITORING		5	5	EDF
T0600100939-IW-5	0	BZ	8/28/2018	UG/L	ND	0.5	37.7325485	-122.2014871	MONITORING		5	5	EDF
T0600100939-IW-6	0	BZ	8/29/2018	UG/L	ND	0.5	37.7325689	-122.2014142	MONITORING		5	5	EDF
T0600100939-MW-10	0	BZ	8/29/2018	UG/L	ND	0.5	37.7323398	-122.2015743	MONITORING		2	10	EDF
T0600100939-MW-11	0	BZ	8/28/2018	UG/L	ND	0.5	37.7322421	-122.2019319	MONITORING		3	10	EDF
T0600100939-MW-13	0	BZ	8/27/2018	UG/L	ND	0.5	37.732761	-122.2013544	MONITORING		4	5	EDF
T0600100939-MW-14	0	BZ	8/28/2018	UG/L	ND	0.5	37.7326241	-122.201434	MONITORING		4	5	EDF
T0600100939-MW-3	0	BZ	8/29/2018	UG/L	ND	0.5	37.7325348	-122.2014612	MONITORING				EDF

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T0600100939-MW-30	0	BZ	8/28/2018	UG/L	ND	0.5	37.7332384	-122.2017806	MONITORING		2	10	EDF
T0600100939-MW-31	0	BZ	8/28/2018	UG/L	ND	0.5	37.7330824	-122.2015645	MONITORING		2	10	EDF
T0600100939-MW-32	0	BZ	8/28/2018	UG/L	ND	0.5	37.7331272	-122.2009931	MONITORING		5	10	EDF
T0600100939-MW-33	0	BZ	8/28/2018	UG/L	ND	0.5	37.7326924	-122.2009461	MONITORING		4	15	EDF
T0600100939-MW-34	0	BZ	9/14/2018	UG/L	ND	0.5	37.7324507	-122.2011282	MONITORING		4	15	EDF
T0600100939-MW-4	0	BZ	8/28/2018	UG/L	ND	0.5	37.7325163	-122.2015892	MONITORING		5	13	EDF
T0600100939-MW-8	0	BZ	8/27/2018	UG/L	ND	0.5	37.7330044	-122.2012886	MONITORING		2	10	EDF
T0600100939-MW-9	0	BZ	8/28/2018	UG/L	ND	0.5	37.7326216	-122.2018663	MONITORING		3	10	EDF
T0600100980-MW-10	0	BZ	8/8/2018	UG/L	ND	0.5	37.7662329	-122.2432006	MONITORING	13.15	6.5	10	EDF
T0600100980-MW-10	0	BZ	1/23/2019	UG/L	ND	0.5	37.7662329	-122.2432006	MONITORING	13.15	6.5	10	EDF
T0600100980-MW-12	580	BZ	8/8/2018	UG/L	=	10	37.7662626	-122.2427358	MONITORING	24.57	14	10	EDF
T0600100980-MW-12	9	BZ	1/24/2019	UG/L	=	0.5	37.7662626	-122.2427358	MONITORING	24.57	14	10	EDF
T0600100980-MW-13	0	BZ	8/9/2018	UG/L	ND	0.5	37.7659687	-122.2429106	MONITORING	20.34	15	5	EDF
T0600100980-MW-13	0	BZ	1/24/2019	UG/L	ND	0.5	37.7659687	-122.2429106	MONITORING	20.34	15	5	EDF
T0600100980-MW-14	280	BZ	8/9/2018	UG/L	=	25	37.7660164	-122.2428992	MONITORING	11.73	5	10	EDF
T0600100980-MW-14	0.95	BZ	1/24/2019	UG/L	=	0.5	37.7660164	-122.2428992	MONITORING	11.73	5	10	EDF
T0600100980-MW-15	0	BZ	8/8/2018	UG/L	ND	0.5	37.7661389	-122.2427194	MONITORING	29.64	20	10	EDF
T0600100980-MW-15	0	BZ	1/23/2019	UG/L	ND	0.5	37.7661389	-122.2427194	MONITORING	29.64	20	10	EDF
T0600100980-MW-16	0	BZ	8/8/2018	UG/L	ND	0.5	37.7660495	-122.2427347	MONITORING	29.64	20	10	EDF
T0600100980-MW-16	0	BZ	1/23/2019	UG/L	ND	0.5	37.7660495	-122.2427347	MONITORING	29.64	20	10	EDF
T0600100980-MW-2R	6200	BZ	8/9/2018	UG/L	=	100	37.7661169	-122.2430355	MONITORING	25.13	5	20	EDF
T0600100980-MW-2R	1400	BZ	1/24/2019	UG/L	=	100	37.7661169	-122.2430355	MONITORING	25.13	5	20	EDF
T0600100980-MW-4R	0	BZ	1/23/2019	UG/L	ND	0.5	37.7660462	-122.2431537	MONITORING	25.2	5	20	EDF
T0600100980-MW-4R	0	BZ	8/8/2018	UG/L	ND	0.5	37.7660462	-122.2431537	MONITORING	25.2	5	20	EDF
T0600100980-MW-5R	0	BZ	1/24/2019	UG/L	ND	50	37.7661174	-122.243104	MONITORING	23.84	5	20	EDF
T0600100980-MW-5R	0	BZ	8/9/2018	UG/L	ND	50	37.7661174	-122.243104	MONITORING	23.84	5	20	EDF
T0600100980-MW-6R	0	BZ	8/8/2018	UG/L	ND	0.5	37.7661816	-122.243058	MONITORING	25.25	5	20	EDF
T0600100980-MW-6R	0	BZ	1/23/2019	UG/L	ND	0.5	37.7661816	-122.243058	MONITORING	25.25	5	20	EDF
T0600100980-MW-7R	370	BZ	1/24/2019	UG/L	=	100	37.7661213	-122.2429605	MONITORING	25.29	5	20	EDF
T0600100980-MW-7R	340	BZ	8/9/2018	UG/L	=	100	37.7661213	-122.2429605	MONITORING	25.29	5	20	EDF
T0600100980-MW-8	3.2	BZ	8/9/2018	UG/L	=	0.5	37.7658657	-122.2432462	MONITORING	14.09	5	9	EDF

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T0600100980-MW-8	1	BZ	1/24/2019	UG/L	=	0.5	37.7658657	-122.2432462	MONITORING	14.09	5	9	EDF
T0600100980-MW-9	0	BZ	1/23/2019	UG/L	ND	0.5	37.7663239	-122.2430444	MONITORING	14.88	5	15	EDF
T0600100980-MW-9	0	BZ	8/8/2018	UG/L	ND	0.5	37.7663239	-122.2430444	MONITORING	14.88	5	15	EDF
T0600101065-S-10	0.82	BZ	12/11/2018	UG/L	=	0.5	37.7742054	-122.2114511	MONITORING		20	15	EDF
T0600101065-S-11	0	BZ	12/11/2018	UG/L	ND	0.5	37.7741079	-122.2115341	MONITORING		20	15	EDF
T0600101065-S-12	0	BZ	12/11/2018	UG/L	ND	0.5	37.7740247	-122.2116421	MONITORING		20	15	EDF
T0600101065-S-13	270	BZ	12/11/2018	UG/L	=	13	37.7742009	-122.2119237	MONITORING		4	15	EDF
T0600101065-S-14	140	BZ	12/11/2018	UG/L	=	2.5	37.7742694	-122.2120619	MONITORING		4	15	EDF
T0600101065-S-6	420	BZ	12/11/2018	UG/L	=	2.5	37.7743845	-122.2116358	MONITORING				EDF
T0600101065-S-7	5700	BZ	12/11/2018	UG/L	=	50	37.7742309	-122.2117524	MONITORING				EDF
T0600101065-S-8	7900	BZ	12/11/2018	UG/L	=	50	37.7743102	-122.2119856	MONITORING				EDF
T0600101065-S-9	4.2	BZ	12/11/2018	UG/L	=	0.5	37.7741661	-122.2118016	MONITORING				EDF
T0600101089-MW-2	0	BZ	12/11/2018	UG/L	ND	0.5	37.8983019	-122.3020521	MONITORING	11.5	5	6.5	EDF
T0600101089-MW-2	0	BZ	3/19/2019	UG/L	ND	0.5	37.8983019	-122.3020521	MONITORING	11.5	5	6.5	EDF
T0600101089-MW-3	2.5	BZ	12/11/2018	UG/L	=	0.5	37.8982637	-122.3023194	MONITORING	12	5	7	EDF
T0600101089-MW-3	0	BZ	3/19/2019	UG/L	ND	0.5	37.8982637	-122.3023194	MONITORING	12	5	7	EDF
T0600101089-STMW-1	1500	BZ	12/11/2018	UG/L	=	13	37.8980857	-122.3019234	MONITORING	14	4	10	EDF
T0600101089-STMW-1	690	BZ	3/19/2019	UG/L	=	5	37.8980857	-122.3019234	MONITORING	14	4	10	EDF
T0600101089-STMW-2	56	BZ	3/19/2019	UG/L	=	0.5	37.8981238	-122.3017442	MONITORING	14	4	10	EDF
T0600101089-STMW-2	11	BZ	12/11/2018	UG/L	=	0.5	37.8981238	-122.3017442	MONITORING	14	4	10	EDF
T0600101089-STMW-3	0	BZ	12/11/2018	UG/L	ND	0.5	37.8982476	-122.3017809	MONITORING	15	2.5	12.5	EDF
T0600101089-STMW-3	0	BZ	3/19/2019	UG/L	ND	0.5	37.8982476	-122.3017809	MONITORING	15	2.5	12.5	EDF
T0600101089-STMW-4	0	BZ	3/19/2019	UG/L	ND	0.5	37.8983316	-122.3019713	MONITORING	15	2	13	EDF
T0600101089-STMW-4	0	BZ	12/11/2018	UG/L	ND	0.5	37.8983316	-122.3019713	MONITORING	15	2	13	EDF
T0600101089-STMW-5	0	BZ	12/11/2018	UG/L	ND	0.5	37.8983733	-122.3023025	MONITORING	15	2	13	EDF
T0600101089-STMW-5	0	BZ	3/19/2019	UG/L	ND	0.5	37.8983733	-122.3023025	MONITORING	15	2	13	EDF
T0600101089-STMW-6	44	BZ	12/11/2018	UG/L	=	0.5	37.8979768	-122.3021331	MONITORING	15	5	10	EDF
T0600101089-STMW-6	28	BZ	3/19/2019	UG/L	=	0.5	37.8979768	-122.3021331	MONITORING	15	5	10	EDF
T0600101089-STMW-7	0	BZ	12/11/2018	UG/L	ND	5	37.897823	-122.3022898	MONITORING	15	5	10	EDF
T0600101089-STMW-7	0	BZ	3/19/2019	UG/L	ND	1.7	37.897823	-122.3022898	MONITORING	15	5	10	EDF
T0600101212-EW1A	6.8	BZ	12/18/2018	UG/L	=	0.5	37.78226872	-122.2368731	MONITORING		8	22	EDF

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T0600101212-EW1A	3	BZ	8/21/2018	UG/L	=	0.5	37.78226872	-122.2368731	MONITORING		8	22	EDF
T0600101212-MW1A	49	BZ	12/18/2018	UG/L	=	1	37.78233671	-122.2367626	MONITORING		5	15	EDF
T0600101212-MW1A	33	BZ	8/21/2018	UG/L	=	5	37.78233671	-122.2367626	MONITORING		5	15	EDF
T0600101212-MW2	100	BZ	8/21/2018	UG/L	=	5	37.78225768	-122.236958	MONITORING		4	15	EDF
T0600101212-MW2	40	BZ	12/18/2018	UG/L	=	5	37.78225768	-122.236958	MONITORING		4	15	EDF
T0600101212-MW3	0	BZ	12/18/2018	UG/L	ND	5	37.78232004	-122.2368981	MONITORING		4	15	EDF
T0600101212-MW3	6.8	BZ	8/21/2018	UG/L	=	5	37.78232004	-122.2368981	MONITORING		4	15	EDF
T0600101212-MW4A	0	BZ	8/21/2018	UG/L	ND	0.5	37.78240448	-122.2369698	MONITORING		5	15	EDF
T0600101212-MW4A	0	BZ	12/18/2018	UG/L	ND	0.5	37.78240448	-122.2369698	MONITORING		5	15	EDF
T0600101212-MW5A	1.4	BZ	8/20/2018	UG/L	=	0.5	37.78230469	-122.2370757	MONITORING		5	15	EDF
T0600101212-MW5A	1.5	BZ	12/18/2018	UG/L	=	0.5	37.78230469	-122.2370757	MONITORING		5	15	EDF
T0600101212-MW6A	20	BZ	8/21/2018	UG/L	=	0.5	37.78220744	-122.2368668	MONITORING		5	15	EDF
T0600101212-MW6A	83	BZ	12/18/2018	UG/L	=	2.5	37.78220744	-122.2368668	MONITORING		5	15	EDF
T0600101212-MW7	0	BZ	8/20/2018	UG/L	ND	0.5	37.78277259	-122.237452	MONITORING		5	15	EDF
T0600101212-MW7	0	BZ	12/18/2018	UG/L	ND	0.5	37.78277259	-122.237452	MONITORING		5	15	EDF
T0600101212-MW8	0.74	BZ	8/20/2018	UG/L	=	0.5	37.78225504	-122.2372479	MONITORING		5	15	EDF
T0600101212-MW8	0	BZ	12/18/2018	UG/L	ND	1.2	37.78225504	-122.2372479	MONITORING		5	15	EDF
T0600101354-MW6B	340	BZ	8/17/2018	UG/L	=	5	37.811749	-122.2692353	MONITORING				EDF
T0600101354-MW6B	180	BZ	8/23/2018	UG/L	=	4	37.811749	-122.2692353	MONITORING				EDF
T0600101354-MW6E	0	BZ	8/23/2018	UG/L	ND	0.5	37.8114699	-122.2694622	MONITORING				EDF
T0600101354-MW6E	0	BZ	8/17/2018	UG/L	ND	0.5	37.8114699	-122.2694622	MONITORING				EDF
T0600101354-MW6F	0	BZ	8/17/2018	UG/L	ND	0.5	37.8115294	-122.2696738	MONITORING				EDF
T0600101354-MW6F	0	BZ	8/23/2018	UG/L	ND	0.5	37.8115294	-122.2696738	MONITORING				EDF
T0600101354-MW6G	0	BZ	8/23/2018	UG/L	ND	0.5	37.8118543	-122.2694954	MONITORING				EDF
T0600101354-MW6G	0	BZ	8/17/2018	UG/L	ND	0.5	37.8118543	-122.2694954	MONITORING				EDF
T0600101354-MW6H	320	BZ	8/20/2018	UG/L	=	5	37.8115921	-122.2692085	MONITORING				EDF
T0600101354-MW6H	340	BZ	8/23/2018	UG/L	=	5	37.8115921	-122.2692085	MONITORING				EDF
T0600101354-MW6KB	6.4	BZ	8/17/2018	UG/L	=	0.5	37.811753	-122.2693055	MONITORING				EDF
T0600101354-MW6KB	34	BZ	8/23/2018	UG/L	=	0.5	37.811753	-122.2693055	MONITORING				EDF
T0600101354-MW6LB	880	BZ	8/17/2018	UG/L	=	20	37.8117004	-122.2692792	MONITORING				EDF
T0600101354-MW6LB	430	BZ	8/23/2018	UG/L	=	20	37.8117004	-122.2692792	MONITORING				EDF

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T0600101354-RW1	41	BZ	8/20/2018	UG/L	=	1	37.8115676	-122.2692665	MONITORING				EDF
T0600101354-RW1	13	BZ	8/23/2018	UG/L	=	0.5	37.8115676	-122.2692665	MONITORING				EDF
T0600101354-RW2	0	BZ	8/17/2018	UG/L	ND	0.5	37.81147	-122.269355	MONITORING				EDF
T0600101354-RW2	0	BZ	8/23/2018	UG/L	ND	0.5	37.81147	-122.269355	MONITORING				EDF
T0600101354-RW3A	530	BZ	8/17/2018	UG/L	=	10	37.8117034	-122.2694594	MONITORING				EDF
T0600101354-RW3A	110	BZ	8/23/2018	UG/L	=	2	37.8117034	-122.2694594	MONITORING				EDF
T0600101462-MW-4	0	BZ	9/18/2018	UG/L	ND	0.5	37.62053679	-122.090061	MONITORING	24.6			EDF
T0600101462-MW-5	0.2	BZ	9/19/2018	UG/L	=	0.5	37.62029539	-122.0899704	MONITORING	24.1			EDF
T0600101462-MW-6	0	BZ	9/18/2018	UG/L	ND	0.5	37.62041496	-122.090041	MONITORING	18			EDF
T0600101471-MW-1	0	BZ	9/22/2018	UG/L	ND	0.5	37.82761092	-122.2571456	MONITORING	50	5	15	EDF
T0600101471-MW-1	230	BZ	3/8/2019	UG/L	=	10	37.82761092	-122.2571456	MONITORING	50	5	15	EDF
T0600101471-MW-10	0	BZ	9/22/2018	UG/L	ND	0.5	37.82700741	-122.256785	MONITORING	21.68	6	16	EDF
T0600101471-MW-10	0	BZ	3/8/2019	UG/L	ND	0.5	37.82700741	-122.256785	MONITORING	21.68	6	16	EDF
T0600101471-MW-11	0	BZ	3/8/2019	UG/L	ND	0.5	37.82710406	-122.2577798	MONITORING	19.11	5	14	EDF
T0600101471-MW-12	0	BZ	9/22/2018	UG/L	ND	0.5	37.82685099	-122.2572995	MONITORING	17.67	5	12.5	EDF
T0600101471-MW-12	0	BZ	3/8/2019	UG/L	ND	0.5	37.82685099	-122.2572995	MONITORING	17.67	5	12.5	EDF
T0600101471-MW-2	0	BZ	9/22/2018	UG/L	ND	0.5	37.82752306	-122.2573559	MONITORING	19.81	5	15	EDF
T0600101471-MW-2	0	BZ	3/8/2019	UG/L	ND	0.5	37.82752306	-122.2573559	MONITORING	19.81	5	15	EDF
T0600101471-MW-3	0	BZ	3/8/2019	UG/L	ND	0.5	37.82740618	-122.2571344	MONITORING	51.53	5	17.5	EDF
T0600101471-MW-3	1.3	BZ	9/22/2018	UG/L	=	0.5	37.82740618	-122.2571344	MONITORING	51.53	5	17.5	EDF
T0600101471-MW-4	0	BZ	3/8/2019	UG/L	ND	0.5	37.82738425	-122.2570086	MONITORING	49.4	5	15	EDF
T0600101471-MW-4	0	BZ	9/22/2018	UG/L	ND	0.5	37.82738425	-122.2570086	MONITORING	49.4	5	15	EDF
T0600101471-MW-5	0	BZ	3/8/2019	UG/L	ND	0.5	37.82734417	-122.2570986	MONITORING	50.14	5	15	EDF
T0600101471-MW-5	1.4	BZ	9/22/2018	UG/L	=	0.5	37.82734417	-122.2570986	MONITORING	50.14	5	15	EDF
T0600101471-MW-6	0	BZ	9/22/2018	UG/L	ND	0.5	37.8276736	-122.2573353	MONITORING	51.18	5	15	EDF
T0600101471-MW-6	0	BZ	3/8/2019	UG/L	ND	0.5	37.8276736	-122.2573353	MONITORING	51.18	5	15	EDF
T0600101471-MW-7	0	BZ	9/22/2018	UG/L	ND	0.5	37.8275205	-122.2569387	MONITORING	19.63	5	15	EDF
T0600101471-MW-7	0	BZ	3/8/2019	UG/L	ND	0.5	37.8275205	-122.2569387	MONITORING	19.63	5	15	EDF
T0600101471-MW-9	0	BZ	3/8/2019	UG/L	ND	0.5	37.82707464	-122.2571944	MONITORING	20.35	5	17	EDF
T0600101471-RW-1	0	BZ	3/8/2019	UG/L	ND	0.5	37.82734854	-122.2570096	MONITORING	16.34	5	10	EDF
T0600101471-RW-1	0	BZ	9/22/2018	UG/L	ND	0.5	37.82734854	-122.2570096	MONITORING	16.34	5	10	EDF

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T0600101486-MW-1	0	BZ	8/2/2018	UG/L	ND	0.5	37.7989084	-122.269708	MONITORING		13.5	20	EDF
T0600101486-MW-1	0	BZ	2/7/2019	UG/L	ND	0.5	37.7989084	-122.269708	MONITORING		13.5	20	EDF
T0600101486-MW-2	0	BZ	2/7/2019	UG/L	ND	0.5	37.7990429	-122.2697764	MONITORING		15	18	EDF
T0600101486-MW-2	0	BZ	8/2/2018	UG/L	ND	0.5	37.7990429	-122.2697764	MONITORING		15	18	EDF
T0600101486-MW-3	0.78	BZ	8/2/2018	UG/L	=	0.5	37.7988233	-122.269913	MONITORING		15	18	EDF
T0600101486-MW-3	2.2	BZ	2/7/2019	UG/L	=	1	37.7988233	-122.269913	MONITORING		15	18	EDF
T0600101486-MW-4	0	BZ	2/7/2019	UG/L	ND	0.5	37.7987867	-122.2698278	MONITORING		15	18	EDF
T0600101486-MW-4	0	BZ	8/2/2018	UG/L	ND	0.5	37.7987867	-122.2698278	MONITORING		15	18	EDF
T0600101486-MW-5	15	BZ	8/2/2018	UG/L	=	0.5	37.7988955	-122.2699818	MONITORING		15	17	EDF
T0600101486-MW-5	0.89	BZ	2/7/2019	UG/L	=	0.5	37.7988955	-122.2699818	MONITORING		15	17	EDF
T0600101486-MW-6	0	BZ	2/7/2019	UG/L	ND	0.5	37.7987744	-122.2699443	MONITORING		15	17	EDF
T0600101486-MW-6	0	BZ	8/2/2018	UG/L	ND	0.5	37.7987744	-122.2699443	MONITORING		15	17	EDF
T0600101486-MW-7	0	BZ	8/2/2018	UG/L	ND	0.5	37.7986802	-122.2700798	MONITORING		13	20	EDF
T0600101486-MW-7	3.5	BZ	2/7/2019	UG/L	=	0.5	37.7986802	-122.2700798	MONITORING		13	20	EDF
T0600101486-MW-8	0	BZ	8/2/2018	UG/L	ND	0.5	37.7986226	-122.269939	MONITORING		11	18	EDF
T0600101486-MW-8	0	BZ	2/7/2019	UG/L	ND	0.5	37.7986226	-122.269939	MONITORING		11	18	EDF
T0600101557-EW1	12000	BZ	10/12/2018	UG/L	=	500	37.87913187	-122.2949668	MONITORING				EDF
T0600101557-EW1	5100	BZ	3/19/2019	UG/L	=	100	37.87913187	-122.2949668	MONITORING				EDF
T0600101557-MW1	0	BZ	10/11/2018	UG/L	ND	2.5	37.87892068	-122.2947985	MONITORING				EDF
T0600101557-MW1	0	BZ	3/18/2019	UG/L	ND	5	37.87892068	-122.2947985	MONITORING				EDF
T0600101557-MW2	0	BZ	3/19/2019	UG/L	ND	0.5	37.87910275	-122.2951631	MONITORING				EDF
T0600101557-MW2	0	BZ	10/11/2018	UG/L	ND	0.5	37.87910275	-122.2951631	MONITORING				EDF
T0600101557-MW3	1700	BZ	3/18/2019	UG/L	=	50	37.87888851	-122.2949971	MONITORING		11	5	EDF
T0600101557-MW4	4900	BZ	3/19/2019	UG/L	=	120	37.87900416	-122.2950725	MONITORING		11	5	EDF
T0600101557-MW5	620	BZ	3/19/2019	UG/L	=	25	37.87903528	-122.2948687	MONITORING		11	5	EDF
T0600101557-OW1	6.4	BZ	3/19/2019	UG/L	=	0.5	37.87904213	-122.294991	MONITORING				EDF
T0600101557-OW1	0	BZ	10/11/2018	UG/L	ND	0.5	37.87904213	-122.294991	MONITORING				EDF
T0600101557-P1	3400	BZ	3/18/2019	UG/L	=	50	37.87870709	-122.2950329	MONITORING				EDF
T0600101557-P1	6500	BZ	10/11/2018	UG/L	=	120	37.87870709	-122.2950329	MONITORING				EDF
T0600101557-TEW3	0	BZ	10/11/2018	UG/L	ND	0.5	37.87890099	-122.2949464	MONITORING				EDF
T0600101557-TEW3	0	BZ	3/18/2019	UG/L	ND	0.5	37.87890099	-122.2949464	MONITORING				EDF

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T0600101557-TEW4	170	BZ	10/11/2018	UG/L	=	25	37.87888555	-122.2950545	MONITORING				EDF
T0600101557-TEW4	1800	BZ	3/18/2019	UG/L	=	100	37.87888555	-122.2950545	MONITORING				EDF
T0600101691-DP-1	220	BZ	8/14/2018	UG/L	=	5	37.8102664	-122.2878392	MONITORING	22.2			EDF
T0600101691-MW-2	0	BZ	8/14/2018	UG/L	ND	0.5	37.8101168	-122.2879223	MONITORING	21.9			EDF
T0600101691-MW-4	0	BZ	8/14/2018	UG/L	ND	0.5	37.8103521	-122.2880726	MONITORING	19.4			EDF
T0600101691-MW-5R	0	BZ	8/14/2018	UG/L	ND	0.5	37.810237	-122.2878348	MONITORING	20.2			EDF
T0600101691-MW-6	0	BZ	8/14/2018	UG/L	ND	0.5	37.810248	-122.2877296	MONITORING	19.6			EDF
T0600101691-MW-7	0	BZ	8/14/2018	UG/L	ND	0.5	37.8103527	-122.2877752	MONITORING	19.5			EDF
T0600101710-MW-1	17	BZ	3/4/2019	UG/L	=	2	37.6867947	-122.1141531	MONITORING				EDF
T0600101710-MW-1	87	BZ	9/19/2018	UG/L	=	20	37.6867947	-122.1141531	MONITORING				EDF
T0600101710-MW-1	87	BZ	12/10/2018	UG/L	=	50	37.6867947	-122.1141531	MONITORING				EDF
T0600101710-MW-10	0	BZ	9/11/2018	UG/L	ND	0.5	37.6867531	-122.1144942	MONITORING				EDF
T0600101710-MW-10	0	BZ	12/10/2018	UG/L	ND	0.5	37.6867531	-122.1144942	MONITORING				EDF
T0600101710-MW-10	0	BZ	3/4/2019	UG/L	ND	0.5	37.6867531	-122.1144942	MONITORING				EDF
T0600101710-MW-2	0	BZ	9/19/2018	UG/L	ND	20	37.6868696	-122.1141333	MONITORING				EDF
T0600101710-MW-3	0	BZ	3/4/2019	UG/L	ND	0.5	37.6869353	-122.1141461	MONITORING				EDF
T0600101710-MW-3	0	BZ	12/10/2018	UG/L	ND	0.5	37.6869353	-122.1141461	MONITORING				EDF
T0600101710-MW-3	0	BZ	9/19/2018	UG/L	ND	0.5	37.6869353	-122.1141461	MONITORING				EDF
T0600101710-MW-4	0	BZ	9/19/2018	UG/L	ND	0.5	37.6868791	-122.1139556	MONITORING				EDF
T0600101710-MW-4	0	BZ	12/10/2018	UG/L	ND	0.5	37.6868791	-122.1139556	MONITORING				EDF
T0600101710-MW-4	0	BZ	3/4/2019	UG/L	ND	0.5	37.6868791	-122.1139556	MONITORING				EDF
T0600101710-MW-5	1	BZ	3/4/2019	UG/L	=	0.5	37.6870315	-122.1140452	MONITORING				EDF
T0600101710-MW-5	1.7	BZ	12/10/2018	UG/L	=	0.5	37.6870315	-122.1140452	MONITORING				EDF
T0600101710-MW-5	0	BZ	9/19/2018	UG/L	ND	0.5	37.6870315	-122.1140452	MONITORING				EDF
T0600101710-MW-6	0	BZ	3/4/2019	UG/L	ND	0.5	37.6869659	-122.1143654	MONITORING				EDF
T0600101710-MW-6	0	BZ	9/11/2018	UG/L	ND	0.5	37.6869659	-122.1143654	MONITORING				EDF
T0600101710-MW-6	0	BZ	12/10/2018	UG/L	ND	0.5	37.6869659	-122.1143654	MONITORING				EDF
T0600101710-MW-7	0	BZ	3/4/2019	UG/L	ND	0.5	37.6868434	-122.1143667	MONITORING				EDF
T0600101710-MW-7	0	BZ	9/11/2018	UG/L	ND	0.5	37.6868434	-122.1143667	MONITORING				EDF
T0600101710-MW-7	0	BZ	12/10/2018	UG/L	ND	0.5	37.6868434	-122.1143667	MONITORING				EDF
T0600101710-MW-8	0	BZ	9/11/2018	UG/L	ND	0.5	37.6866236	-122.1141484	MONITORING				EDF

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T0600101710-MW-8	0	BZ	12/10/2018	UG/L	ND	0.5	37.6866236	-122.1141484	MONITORING				EDF
T0600101710-MW-8	0	BZ	3/4/2019	UG/L	ND	0.5	37.6866236	-122.1141484	MONITORING				EDF
T0600101710-MW-9	0	BZ	3/4/2019	UG/L	ND	0.5	37.6866135	-122.1144938	MONITORING				EDF
T0600101710-MW-9	0	BZ	12/10/2018	UG/L	ND	0.5	37.6866135	-122.1144938	MONITORING				EDF
T0600101710-MW-9	0	BZ	9/11/2018	UG/L	ND	0.5	37.6866135	-122.1144938	MONITORING				EDF
T0600101803-EW-2	0	BZ	3/7/2019	UG/L	ND	50	37.76857195	-122.2396759	MONITORING		5	20	EDF
T0600101803-EW-2	0	BZ	3/7/2019	UG/L	ND	50	37.76830625	-122.2395411	MONITORING		5	20	EDF
T0600101803-EW-4	0	BZ	3/7/2019	UG/L	ND	5	37.76830625	-122.2395411	MONITORING		5	20	EDF
T0600101803-EW-4	0	BZ	3/7/2019	UG/L	ND	5	37.76848306	-122.2394718	MONITORING		5	20	EDF
T0600101803-EW-5	35	BZ	3/7/2019	UG/L	=	1.2	37.76848306	-122.2394718	MONITORING		5	20	EDF
T0600101803-EW-5	35	BZ	3/7/2019	UG/L	=	1.2	37.76851792	-122.2395519	MONITORING		5	20	EDF
T0600101803-MW-1	2100	BZ	3/7/2019	UG/L	=	100	37.76844679	-122.2394221	MONITORING		20	15	EDF
T0600101803-MW-2	16	BZ	3/7/2019	UG/L	=	2.5	37.76830808	-122.2396278	MONITORING		20	15	EDF
T0600101803-MW-3	0	BZ	3/7/2019	UG/L	ND	0.5	37.76845466	-122.2400246	MONITORING		20	15	EDF
T0600101803-MW-4	230	BZ	3/7/2019	UG/L	=	25	37.76856246	-122.2396104	MONITORING		18	10	EDF
T0600101803-OW-2	0	BZ	3/7/2019	UG/L	ND	0.5	37.76857195	-122.2396759	MONITORING		5	15	EDF
T0600101803-OW-2	0	BZ	3/7/2019	UG/L	ND	0.5	37.76851792	-122.2395519	MONITORING		5	15	EDF
T0600101848-MW-2	0	BZ	8/21/2018	UG/L	ND	0.5	37.83323682	-122.2810973	MONITORING	19.85	5	15	EDF
T0600101848-MW-3	68	BZ	8/21/2018	UG/L	=	0.5	37.83318558	-122.2811679	MONITORING	19.73	5	15	EDF
T0600101855-MW6	0	BZ	1/15/2019	UG/L	ND	0.5	37.845888	-122.2848764	MONITORING				EDF
T0600101855-MW7	0	BZ	1/15/2019	UG/L	ND	0.5	37.8457611	-122.2850966	MONITORING				EDF
T0600101855-MW8	150	BZ	1/15/2019	UG/L	=	2.5	37.845782	-122.2849776	MONITORING				EDF
T0600101876-MW-10	0	BZ	12/26/2018	UG/L	ND	0.5	37.8178495	-122.2724635	MONITORING		6	15	EDF
T0600101876-MW-4	1200	BZ	12/26/2018	UG/L	=	13	37.8173512	-122.272065	MONITORING		5	15	EDF
T0600101876-MW-5	2900	BZ	12/26/2018	UG/L	=	100	37.8172632	-122.2718889	MONITORING		3	10	EDF
T0600101876-MW-6	50	BZ	12/26/2018	UG/L	=	0.5	37.8174645	-122.2720202	MONITORING		3	10	EDF
T0600101876-MW-8	19	BZ	12/26/2018	UG/L	=	0.5	37.817512	-122.2720252	MONITORING				EDF
T0600101876-V-1	0	BZ	12/26/2018	UG/L	ND	0.5	37.8175195	-122.2719747	MONITORING				EDF
T0600101876-V-2	130	BZ	12/26/2018	UG/L	=	25	37.8174101	-122.2719565	MONITORING				EDF
T0600101925-EW-1	5.8	BZ	5/17/2019	UG/L	=	0.5	37.84422822	-122.2910435	MONITORING	18.71	4	15	EDF
T0600101925-EW-1	3.6	BZ	8/21/2018	UG/L	=	0.5	37.84422822	-122.2910435	MONITORING	18.71	4	15	EDF

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T0600101925-EW-2	140	BZ	8/21/2018	UG/L	=	2	37.84416319	-122.2907727	MONITORING	18.89	4	15	EDF
T0600101925-EW-2	33	BZ	5/17/2019	UG/L	=	0.5	37.84416319	-122.2907727	MONITORING	18.89	4	15	EDF
T0600101925-EW-3	0	BZ	5/17/2019	UG/L	ND	0.5	37.84397533	-122.2908994	MONITORING	18.88	4	15	EDF
T0600101925-EW-3	0	BZ	8/21/2018	UG/L	ND	0.5	37.84397533	-122.2908994	MONITORING	18.88	4	15	EDF
T0600101925-EW-4	0	BZ	5/17/2019	UG/L	ND	0.5	37.8439952	-122.2912892	MONITORING	18.46	4	15	EDF
T0600101925-EW-4	0	BZ	8/21/2018	UG/L	ND	0.5	37.8439952	-122.2912892	MONITORING	18.46	4	15	EDF
T0600102079-MW-1	9200	BZ	12/6/2018	UG/L	=	10	37.76589218	-122.1775768	MONITORING				EDF
T0600102079-MW-1	13000	BZ	8/21/2018	UG/L	=	200	37.76589218	-122.1775768	MONITORING				EDF
T0600102079-MW-1	4600	BZ	3/7/2019	UG/L	=	50	37.76589218	-122.1775768	MONITORING				EDF
T0600102079-MW-11	0	BZ	12/6/2018	UG/L	ND	1	37.7660864	-122.1782518	MONITORING				EDF
T0600102079-MW-11	0	BZ	3/7/2019	UG/L	ND	1	37.7660864	-122.1782518	MONITORING				EDF
T0600102079-MW-12	54	BZ	12/6/2018	UG/L	=	1	37.7656087	-122.1776204	MONITORING				EDF
T0600102079-MW-12	47	BZ	3/7/2019	UG/L	=	5	37.7656087	-122.1776204	MONITORING				EDF
T0600102079-MW-12	37	BZ	8/21/2018	UG/L	=	5	37.7656087	-122.1776204	MONITORING				EDF
T0600102079-MW-2	2	BZ	12/6/2018	UG/L	=	1	37.76567098	-122.1776975	MONITORING				EDF
T0600102079-MW-3	240	BZ	12/6/2018	UG/L	=	10	37.76582064	-122.1777966	MONITORING				EDF
T0600102079-MW-3	2000	BZ	3/7/2019	UG/L	=	20	37.76582064	-122.1777966	MONITORING				EDF
T0600102079-MW-3	360	BZ	8/21/2018	UG/L	=	5	37.76582064	-122.1777966	MONITORING				EDF
T0600102079-MW-4	0	BZ	3/7/2019	UG/L	ND	1	37.76601045	-122.1776369	MONITORING				EDF
T0600102079-MW-4	0	BZ	8/21/2018	UG/L	ND	1	37.76601045	-122.1776369	MONITORING				EDF
T0600102079-MW-4	0.2	BZ	12/6/2018	UG/L	=	1	37.76601045	-122.1776369	MONITORING				EDF
T0600102079-MW-5	0.2	BZ	12/6/2018	UG/L	=	1	37.76596655	-122.1777309	MONITORING				EDF
T0600102079-MW-5	0	BZ	8/21/2018	UG/L	ND	1	37.76596655	-122.1777309	MONITORING				EDF
T0600102079-MW-5	0	BZ	3/7/2019	UG/L	ND	1	37.76596655	-122.1777309	MONITORING				EDF
T0600102079-MW-6	530	BZ	8/21/2018	UG/L	=	5	37.76591928	-122.1778258	MONITORING				EDF
T0600102079-MW-6	750	BZ	12/6/2018	UG/L	=	20	37.76591928	-122.1778258	MONITORING				EDF
T0600102079-MW-6	4	BZ	3/7/2019	UG/L	=	1	37.76591928	-122.1778258	MONITORING				EDF
T0600102079-MW-7	1300	BZ	12/6/2018	UG/L	=	10	37.76584432	-122.1775026	MONITORING				EDF
T0600102099-AMW-1	0	BZ	11/30/2018	UG/L	ND	1.2	37.848599	-122.293809	MONITORING		9	15	EDF
T0600102099-AMW-2	0	BZ	11/30/2018	UG/L	ND	5	37.848553	-122.293436	MONITORING		9	15	EDF
T0600102099-AMW-3	0.55	BZ	11/30/2018	UG/L	=	0.5	37.848784	-122.292876	MONITORING		8	15	EDF

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T0600102099-MW-3	12000	BZ	11/30/2018	UG/L	=	500	37.848702	-122.292651	MONITORING		9	20	EDF
T0600102099-TMW-07	9.9	BZ	8/17/2018	UG/L	=	1.7	37.848406	-122.292408	MONITORING		22	3.5	EDF
T0600102099-TMW-07	0	BZ	11/30/2018	UG/L	ND	2.5	37.848406	-122.292408	MONITORING		22	3.5	EDF
T0600102099-TMW-08	210	BZ	8/17/2018	UG/L	=	36	37.84847	-122.292779	MONITORING		19.5	2.5	EDF
T0600102099-TMW-08	0	BZ	11/30/2018	UG/L	ND	120	37.84847	-122.292779	MONITORING		19.5	2.5	EDF
T0600102099-TMW-09	17000	BZ	8/17/2018	UG/L	=	250	37.848485	-122.292761	MONITORING		6	6	EDF
T0600102099-TMW-09	21000	BZ	11/30/2018	UG/L	=	500	37.848485	-122.292761	MONITORING		6	6	EDF
T0600102154-MW-1	630	BZ	9/13/2018	UG/L	=	10	37.688318	-122.1047831	MONITORING				EDF
T0600102154-MW-2	63	BZ	9/13/2018	UG/L	=	0.5	37.6883669	-122.1050325	MONITORING				EDF
T0600102154-MW-3	370	BZ	9/13/2018	UG/L	=	2.5	37.6882846	-122.1050907	MONITORING				EDF
T0600102154-MW-6	0	BZ	9/13/2018	UG/L	ND	0.5	37.6883724	-122.1058182	MONITORING				EDF
T0600102154-MW-7	0	BZ	9/13/2018	UG/L	ND	0.5	37.6881964	-122.1058685	MONITORING				EDF
T0600102230-MW-2	0	BZ	8/14/2018	UG/L	ND	1	37.8064274	-122.2941934	MONITORING	14.11			EDF
T0600102230-MW-2	0	BZ	2/13/2019	UG/L	ND	1	37.8064274	-122.2941934	MONITORING	14.11			EDF
T0600102230-MW-3	0	BZ	2/13/2019	UG/L	ND	1	37.8064264	-122.2943482	MONITORING	13.9			EDF
T0600102230-MW-3	10	BZ	8/14/2018	UG/L	=	1	37.8064264	-122.2943482	MONITORING	13.9			EDF
T0600102230-MW-4	730	BZ	8/14/2018	UG/L	=	10	37.8063643	-122.294315	MONITORING	13.32			EDF
T0600102230-MW-4	0	BZ	2/13/2019	UG/L	ND	1	37.8063643	-122.294315	MONITORING	13.32			EDF
T0600102230-MW-5	0	BZ	2/13/2019	UG/L	ND	1	37.8066241	-122.2945192	MONITORING	19.35			EDF
T0600102230-MW-6	0	BZ	2/13/2019	UG/L	ND	1	37.8064437	-122.2945903	MONITORING	14			EDF
T0600102230-MW-6	0	BZ	8/14/2018	UG/L	ND	1	37.8064437	-122.2945903	MONITORING	14			EDF
T0600102230-MW-7	0	BZ	8/14/2018	UG/L	ND	1	37.8065942	-122.2940226	MONITORING	14.02			EDF
T0600102230-MW-7	0	BZ	2/13/2019	UG/L	ND	1	37.8065942	-122.2940226	MONITORING	14.02			EDF
T0600102230-MW-8	0	BZ	8/14/2018	UG/L	ND	1	37.8062964	-122.2946995	MONITORING	19.79			EDF
T0600102230-MW-8	0	BZ	2/13/2019	UG/L	ND	1	37.8062964	-122.2946995	MONITORING	19.79			EDF
T0600102246-MW-1	0	BZ	11/15/2018	UG/L	ND	0.5	37.8096784	-122.2922863	MONITORING	18.28	8	10	EDF
T0600102246-MW-2	0	BZ	11/15/2018	UG/L	ND	0.5	37.8098872	-122.2924233	MONITORING	18.24	8	10	EDF
T0600102246-MW-3	0	BZ	11/15/2018	UG/L	ND	0.5	37.8097929	-122.2925101	MONITORING	18.28	8	10	EDF
T0600102256-EX-1	0	BZ	8/22/2018	UG/L	ND	0.5	37.6769888	-122.1428659	MONITORING				EDF
T0600102256-EX-2	0	BZ	1/8/2019	UG/L	ND	0.5	37.6769411	-122.142666	MONITORING				EDF
T0600102256-EX-3	0	BZ	1/8/2019	UG/L	ND	0.5	37.6768243	-122.1428945	MONITORING				EDF

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T0600102256-EX-4	0	BZ	1/8/2019	UG/L	ND	0.5	37.677039	-122.1427316	MONITORING				EDF
T0600102256-EX-5	0	BZ	1/8/2019	UG/L	ND	0.5	37.6769531	-122.1427891	MONITORING				EDF
T0600102256-EX-6	0	BZ	8/22/2018	UG/L	ND	0.5	37.6769257	-122.1429185	MONITORING				EDF
T0600102256-EX-6	0	BZ	1/8/2019	UG/L	ND	0.5	37.6769257	-122.1429185	MONITORING				EDF
T0600102256-EX-7	0	BZ	1/8/2019	UG/L	ND	0.5	37.6768275	-122.1427607	MONITORING				EDF
T0600102256-MW-1	0	BZ	1/8/2019	UG/L	ND	0.5	37.676902	-122.1427262	MONITORING				EDF
T0600102256-MW-2	0	BZ	1/8/2019	UG/L	ND	0.5	37.6768106	-122.1427932	MONITORING				EDF
T0600102256-MW-3	0	BZ	8/22/2018	UG/L	ND	0.5	37.6769427	-122.142943	MONITORING				EDF
T0600102256-MW-3	0	BZ	1/8/2019	UG/L	ND	0.5	37.6769427	-122.142943	MONITORING				EDF
T0600102256-MW-4	0	BZ	8/22/2018	UG/L	ND	0.5	37.6770233	-122.1428754	MONITORING				EDF
T0600102256-MW-5A	150	BZ	1/8/2019	UG/L	=	1	37.6767822	-122.1429748	MONITORING				EDF
T0600102256-MW-5B	0	BZ	1/8/2019	UG/L	ND	0.5	37.6767875	-122.1429744	MONITORING				EDF
T0600102256-MW-6A	51	BZ	1/8/2019	UG/L	=	0.5	37.6768537	-122.1430796	MONITORING				EDF
T0600102256-MW-6B	0	BZ	1/8/2019	UG/L	ND	0.5	37.6768608	-122.1430798	MONITORING				EDF
T0600102256-MW-7A	0	BZ	1/8/2019	UG/L	ND	0.5	37.6768469	-122.1432815	MONITORING				EDF
T0600102274-MW-1	0	BZ	11/15/2018	UG/L	ND	0.5	37.61826	-122.06388	MONITORING	30.14	11.5	20	EDF
T0600102274-MW-1	0	BZ	5/15/2019	UG/L	ND	0.5	37.61826	-122.06388	MONITORING	30.14	11.5	20	EDF
T0600102274-MW-10	0.31	BZ	11/15/2018	UG/L	=	0.5	37.61839	-122.06406	MONITORING	19.08	20		EDF
T0600102274-MW-10	0	BZ	5/15/2019	UG/L	ND	0.5	37.61839	-122.06406	MONITORING	19.08	20		EDF
T0600102274-MW-10	7.6	BZ	8/21/2018	UG/L	=	0.5	37.61839	-122.06406	MONITORING	19.08	20		EDF
T0600102274-MW-2	1.9	BZ	5/15/2019	UG/L	=	0.5	37.61855	-122.06392	MONITORING	22.32	15.5	15	EDF
T0600102274-MW-2	0	BZ	11/15/2018	UG/L	ND	0.5	37.61855	-122.06392	MONITORING	22.32	15.5	15	EDF
T0600102274-MW-3	0	BZ	11/15/2018	UG/L	ND	0.5	37.61888	-122.06396	MONITORING	23.78	16.5	15	EDF
T0600102274-MW-3	0	BZ	5/15/2019	UG/L	ND	0.5	37.61888	-122.06396	MONITORING	23.78	16.5	15	EDF
T0600102274-MW-4	0	BZ	11/15/2018	UG/L	ND	0.5	37.61899	-122.06416	MONITORING	23.45	10	15	EDF
T0600102274-MW-4	0	BZ	5/15/2019	UG/L	ND	0.5	37.61899	-122.06416	MONITORING	23.45	10	15	EDF
T0600102274-MW-5	0	BZ	5/15/2019	UG/L	ND	0.5	37.6188	-122.06438	MONITORING	28.15	11.5	20	EDF
T0600102274-MW-5	0	BZ	11/15/2018	UG/L	ND	0.5	37.6188	-122.06438	MONITORING	28.15	11.5	20	EDF
T0600102274-MW-6	0	BZ	5/15/2019	UG/L	ND	0.5	37.61847	-122.06429	MONITORING	28.73	11.5	20	EDF
T0600102274-MW-6	0	BZ	11/15/2018	UG/L	ND	0.5	37.61847	-122.06429	MONITORING	28.73	11.5	20	EDF
T0600102274-MW-7	0	BZ	11/15/2018	UG/L	ND	0.5	37.61811	-122.06427	MONITORING	23.82	11.5	15	EDF

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T0600102274-MW-7	0	BZ	5/15/2019	UG/L	ND	0.5	37.61811	-122.06427	MONITORING	23.82	11.5	15	EDF
T0600102274-MW-8	0	BZ	8/21/2018	UG/L	ND	0.5	37.61894	-122.0641	MONITORING	19.97	20		EDF
T0600102274-MW-8	0	BZ	5/15/2019	UG/L	ND	0.5	37.61894	-122.0641	MONITORING	19.97	20		EDF
T0600102274-MW-8	0	BZ	11/15/2018	UG/L	ND	0.5	37.61894	-122.0641	MONITORING	19.97	20		EDF
T0600102274-MW-9	12	BZ	8/21/2018	UG/L	=	0.5	37.61869	-122.06415	MONITORING	19.4	20		EDF
T0600102274-MW-9	1.4	BZ	5/15/2019	UG/L	=	0.5	37.61869	-122.06415	MONITORING	19.4	20		EDF
T0600102274-MW-9	7.3	BZ	11/15/2018	UG/L	=	0.5	37.61869	-122.06415	MONITORING	19.4	20		EDF
T0600102279-MW-10A	6600	BZ	1/10/2019	UG/L	=	30	37.787777	-122.1948474	MONITORING	14.51			EDF
T0600102279-MW-10B	1100	BZ	1/10/2019	UG/L	=	15	37.7877881	-122.1948392	MONITORING	19.25			EDF
T0600102279-MW-10S	3.1	BZ	1/10/2019	UG/L	=	0.3	37.7878032	-122.1948124	MONITORING	10.35			EDF
T0600102279-MW-11A	6000	BZ	1/10/2019	UG/L	=	30	37.7875179	-122.1947515	MONITORING	15			EDF
T0600102279-MW-11B	8900	BZ	1/10/2019	UG/L	=	60	37.7875008	-122.1947635	MONITORING	20.19			EDF
T0600102279-MW-11S	0	BZ	1/10/2019	UG/L	ND	0.3	37.7875186	-122.1947398	MONITORING	10.16			EDF
T0600102279-MW-12	9200	BZ	1/10/2019	UG/L	=	50	37.787791	-122.1948149	MONITORING	22.76			EDF
T0600102279-MW-1B	0	BZ	1/10/2019	UG/L	ND	0.3	37.7877602	-122.194861	MONITORING	24.89			EDF
T0600102279-MW-2B	0	BZ	1/10/2019	UG/L	ND	0.3	37.7875576	-122.1948223	MONITORING	24.87			EDF
T0600102279-MW-3B	87	BZ	1/10/2019	UG/L	=	3	37.7875574	-122.1946655	MONITORING	24.92			EDF
T0600102279-MW-4B	0	BZ	1/10/2019	UG/L	ND	0.3	37.7877067	-122.1945995	MONITORING	24.8			EDF
T0600102279-MW-5	0	BZ	1/10/2019	UG/L	ND	0.3	37.7877993	-122.1951072	MONITORING	25.3			EDF
T0600102279-MW-7	0	BZ	1/10/2019	UG/L	ND	0.3	37.7874591	-122.1949929	MONITORING	23.94			EDF
T0600102279-MW-9A	2600	BZ	1/10/2019	UG/L	=	15	37.7877426	-122.1949142	MONITORING	15.11			EDF
T0600102279-MW-9B	0	BZ	1/10/2019	UG/L	ND	0.3	37.7877351	-122.1949255	MONITORING	20.15			EDF
T0600102279-PZ-2	5700	BZ	1/10/2019	UG/L	=	50	37.7877729	-122.1948397	MONITORING	18.7			EDF
T0600102279-PZ-3	480	BZ	1/10/2019	UG/L	=	25	37.7877684	-122.1948786	MONITORING	17.8			EDF
T0600173887-MW-5	1	BZ	12/13/2018	UG/L	=	1	37.82827	-122.2744264	MONITORING	24.98			EDF
T0600173887-MW-7	1	BZ	12/13/2018	UG/L	=	1	37.8278966	-122.2743868	MONITORING	24.95			EDF
T0600173887-MW-8	0	BZ	12/13/2018	UG/L	ND	1	37.8279607	-122.2749512	MONITORING	24.95			EDF
T0600174667-EW-1	130	BZ	9/27/2018	UG/L	=	2.5	37.7954681	-122.2557688	MONITORING				EDF
T0600174667-EW-2	45	BZ	9/27/2018	UG/L	=	1	37.7955181	-122.2556138	MONITORING				EDF
T0600174667-MW-1	990	BZ	9/27/2018	UG/L	=	10	37.7954787	-122.2558721	MONITORING				EDF
T0600174667-MW-2	15	BZ	9/27/2018	UG/L	=	0.5	37.79547	-122.2555203	MONITORING				EDF

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T0600174667-MW-3	72	BZ	9/27/2018	UG/L	=	2.5	37.7954191	-122.2557866	MONITORING				EDF
T0600174667-MW-4	390	BZ	9/27/2018	UG/L	=	10	37.795549	-122.2555556	MONITORING				EDF
T0600174667-MW-6	330	BZ	9/27/2018	UG/L	=	5	37.7954532	-122.255829	MONITORING				EDF
T0600187562-MW-1	220	BZ	5/7/2019	UG/L	=	2	37.7227846	-122.1568435	MONITORING		19	15	EDF
T0600187562-MW-1	430	BZ	11/7/2018	UG/L	=	10	37.7227846	-122.1568435	MONITORING		19	15	EDF
T0600187562-MW-12	1.5	BZ	5/7/2019	UG/L	=	1	37.7223155	-122.1570507	MONITORING				EDF
T0600187562-MW-12	3	BZ	11/7/2018	UG/L	=	1.5	37.7223155	-122.1570507	MONITORING				EDF
T0600187562-MW-13	16	BZ	11/7/2018	UG/L	=	4	37.7221021	-122.1571449	MONITORING				EDF
T0600187562-MW-13	11	BZ	5/7/2019	UG/L	=	4	37.7221021	-122.1571449	MONITORING				EDF
T0600187562-MW-14	2.2	BZ	5/7/2019	UG/L	=	1	37.7223981	-122.157435	MONITORING				EDF
T0600187562-MW-14	0	BZ	11/7/2018	UG/L	ND	4	37.7223981	-122.157435	MONITORING				EDF
T0600187562-MW-2	330	BZ	5/7/2019	UG/L	=	1.5	37.7226744	-122.1567929	MONITORING		19	15	EDF
T0600187562-MW-2	1400	BZ	11/7/2018	UG/L	=	10	37.7226744	-122.1567929	MONITORING		19	15	EDF
T0600187562-MW-3	940	BZ	5/7/2019	UG/L	=	5	37.7225395	-122.156751	MONITORING		19	15	EDF
T0600187562-MW-3	1000	BZ	11/7/2018	UG/L	=	10	37.7225395	-122.156751	MONITORING		19	15	EDF
T0600187562-MW-4	0	BZ	5/7/2019	UG/L	ND	2.5	37.7223659	-122.1565512	MONITORING		19	15	EDF
T0600187562-MW-5	0	BZ	5/7/2019	UG/L	ND	2.5	37.7224013	-122.1564622	MONITORING		19	15	EDF
T0600187562-MW-5	0	BZ	11/7/2018	UG/L	ND	10	37.7224013	-122.1564622	MONITORING		19	15	EDF
T0600187562-MW-6	0	BZ	11/7/2018	UG/L	ND	2	37.7226639	-122.156435	MONITORING		19	15	EDF
T0600187562-MW-6	1.3	BZ	5/7/2019	UG/L	=	1	37.7226639	-122.156435	MONITORING		19	15	EDF
T0600187562-MW-7	0	BZ	11/7/2018	UG/L	ND	5	37.7228168	-122.1563176	MONITORING		19	15	EDF
T0600187562-MW-7	3.4	BZ	5/7/2019	UG/L	=	2.5	37.7228168	-122.1563176	MONITORING		19	15	EDF
T0600187562-MW-8	330	BZ	11/7/2018	UG/L	=	5	37.7225655	-122.1566223	MONITORING		19	15	EDF
T0600187562-MW-8	120	BZ	5/7/2019	UG/L	=	2	37.7225655	-122.1566223	MONITORING		19	15	EDF
T0600187562-MW-9	57	BZ	11/7/2018	UG/L	=	4	37.7228771	-122.1568893	MONITORING				EDF
T0600187562-MW-9	45	BZ	5/7/2019	UG/L	=	4	37.7228771	-122.1568893	MONITORING				EDF
T0600191487-MW-1	0	BZ	8/9/2018	UG/L	ND	0.5	37.7793902	-122.2408963	MONITORING	15.23	15	10	EDF
T0600191487-MW-2	0.63	BZ	8/9/2018	UG/L	=	0.5	37.7792014	-122.2405831	MONITORING	19.45	19	10	EDF
T0600191487-MW-3	0	BZ	8/9/2018	UG/L	ND	0.5	37.7792255	-122.2413002	MONITORING	19.36	19	10	EDF
T0600191487-MW-4	16	BZ	8/9/2018	UG/L	=	0.5	37.779271	-122.2409157	MONITORING	20			EDF
T0600191487-RW-1	250	BZ	8/9/2018	UG/L	=	2.5	37.7793603	-122.2407208	MONITORING	13.13			EDF

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T0600191487-RW-2	130	BZ	8/9/2018	UG/L	=	2.5	37.7793601	-122.2407797	MONITORING	13.01			EDF
T0600194038-EW-1	0	BZ	12/19/2018	UG/L	ND	1	37.85622427	-122.260501	MONITORING	24.65			EDF
T0600194038-EW-2	0	BZ	12/19/2018	UG/L	ND	1	37.85634555	-122.260526	MONITORING	23.92			EDF
T0600194038-EW-3	0	BZ	12/19/2018	UG/L	ND	1	37.85646948	-122.2605598	MONITORING	24.92			EDF
T0600194038-MW-10	0	BZ	12/19/2018	UG/L	ND	1	37.85629706	-122.2598466	MONITORING	19.4			EDF
T0600194038-MW-4	0.4	BZ	12/19/2018	UG/L	ND	1	37.85625235	-122.2601986	MONITORING	15.27			EDF
T0600194038-MW-5	0	BZ	12/19/2018	UG/L	ND	1	37.85644941	-122.2605194	MONITORING	10.53			EDF
T0600194038-MW-6	0	BZ	12/19/2018	UG/L	ND	1	37.8559393	-122.2602924	MONITORING	18.78			EDF
T0600194038-MW-7	2	BZ	12/19/2018	UG/L	=	1	37.85623806	-122.2604732	MONITORING	18.58			EDF
T0600194038-MW-8	0	BZ	12/19/2018	UG/L	ND	1	37.85654894	-122.2602659	MONITORING	18.5			EDF
T0600194038-MW-9	0	BZ	12/19/2018	UG/L	ND	1	37.85663274	-122.2601743	MONITORING	19.5			EDF
T0601300018-BC-1	34	BZ	9/25/2018	UG/L	=	0.5	37.9469494	-122.3304081	MONITORING		29	15	EDF
T0601300018-BC-1	10	BZ	3/26/2019	UG/L	=	0.5	37.9469494	-122.3304081	MONITORING		29	15	EDF
T0601300018-BC-2	11000	BZ	9/25/2018	UG/L	=	50	37.9470222	-122.3301524	MONITORING		30	16	EDF
T0601300018-BC-2	3800	BZ	3/26/2019	UG/L	=	250	37.9470222	-122.3301524	MONITORING		30	16	EDF
T0601300018-BC-3	66	BZ	9/25/2018	UG/L	=	0.5	37.9468254	-122.3303078	MONITORING		30	16	EDF
T0601300018-BC-3	51	BZ	3/26/2019	UG/L	=	0.5	37.9468254	-122.3303078	MONITORING		30	16	EDF
T0601300018-BC-4	1.3	BZ	9/25/2018	UG/L	=	0.5	37.9468804	-122.3301933	MONITORING		60	15	EDF
T0601300018-BC-4	13	BZ	3/25/2019	UG/L	=	0.5	37.9468804	-122.3301933	MONITORING		60	15	EDF
T0601300018-MW-1	0	BZ	9/25/2018	UG/L	ND	0.5	37.94692	-122.3300951	MONITORING		31	15	EDF
T0601300018-MW-1	9.3	BZ	3/25/2019	UG/L	=	0.5	37.94692	-122.3300951	MONITORING		31	15	EDF
T0601300018-MW-2	0	BZ	3/26/2019	UG/L	ND	0.5	37.9471901	-122.3302338	MONITORING		29	20	EDF
T0601300018-MW-2	0	BZ	9/25/2018	UG/L	ND	0.5	37.9471901	-122.3302338	MONITORING		29	20	EDF
T0601300018-MW-3	0	BZ	3/25/2019	UG/L	ND	0.5	37.9471482	-122.3304995	MONITORING		30	20	EDF
T0601300018-MW-3	0	BZ	9/25/2018	UG/L	ND	0.5	37.9471482	-122.3304995	MONITORING		30	20	EDF
T0601300018-MW-4	1500	BZ	3/26/2019	UG/L	=	10	37.9470304	-122.3304604	MONITORING		31	15	EDF
T0601300018-MW-4	1700	BZ	9/25/2018	UG/L	=	10	37.9470304	-122.3304604	MONITORING		31	15	EDF
T0601300018-MW-5	0	BZ	9/25/2018	UG/L	ND	0.5	37.947122	-122.3301095	MONITORING		20	20	EDF
T0601300018-MW-5	0.96	BZ	3/26/2019	UG/L	=	0.5	37.947122	-122.3301095	MONITORING		20	20	EDF
T0601300018-MW-6	0	BZ	3/26/2019	UG/L	ND	0.5	37.9468688	-122.3300084	MONITORING		20	20	EDF
T0601300018-MW-7	0	BZ	3/26/2019	UG/L	ND	0.5	37.9467447	-122.3301973	MONITORING		20	20	EDF

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T0601300018-MW-8	1.9	BZ	9/25/2018	UG/L	=	0.5	37.9471712	-122.3309861	MONITORING		20	20	EDF
T0601300018-MW-8	0	BZ	3/26/2019	UG/L	ND	0.5	37.9471712	-122.3309861	MONITORING		20	20	EDF
T0601300019-BC-1	27	BZ	8/28/2018	UG/L	=	0.5	37.9380886	-122.3480436	MONITORING		5	10	EDF
T0601300019-BC-1	11	BZ	2/25/2019	UG/L	=	0.5	37.9380886	-122.3480436	MONITORING		5	10	EDF
T0601300019-MW-2	0	BZ	8/28/2018	UG/L	ND	0.5	37.9383401	-122.348031	MONITORING		5	10	EDF
T0601300019-MW-2	0.75	BZ	2/25/2019	UG/L	=	0.5	37.9383401	-122.348031	MONITORING		5	10	EDF
T0601300019-MW-3	0	BZ	2/26/2019	UG/L	ND	0.5	37.9383336	-122.347729	MONITORING		5	10	EDF
T0601300019-MW-3	0	BZ	8/28/2018	UG/L	ND	0.5	37.9383336	-122.347729	MONITORING		5	10	EDF
T0601300019-MW-4	1.2	BZ	8/28/2018	UG/L	=	0.5	37.9381052	-122.3477081	MONITORING		5	10	EDF
T0601300019-MW-4	7.5	BZ	2/26/2019	UG/L	=	0.5	37.9381052	-122.3477081	MONITORING		5	10	EDF
T0601300019-MW-5	190	BZ	2/26/2019	UG/L	=	13	37.9382254	-122.3480525	MONITORING		5	10	EDF
T0601300019-MW-5	170	BZ	8/28/2018	UG/L	=	2.5	37.9382254	-122.3480525	MONITORING		5	10	EDF
T0601300019-MW-6	0	BZ	2/25/2019	UG/L	ND	0.5	37.938173	-122.3484841	MONITORING		5	10	EDF
T0601300019-MW-6	0	BZ	8/28/2018	UG/L	ND	0.5	37.938173	-122.3484841	MONITORING		5	10	EDF
T0601300019-MW-7	0	BZ	8/28/2018	UG/L	ND	0.5	37.9379917	-122.3484899	MONITORING		5	10	EDF
T0601300019-MW-7	0	BZ	2/25/2019	UG/L	ND	0.5	37.9379917	-122.3484899	MONITORING		5	10	EDF
T0601300019-VE-1	18	BZ	8/28/2018	UG/L	=	0.5	37.9383056	-122.3480761	MONITORING				EDF
T0601300019-VE-1	47	BZ	2/26/2019	UG/L	=	0.5	37.9383056	-122.3480761	MONITORING				EDF
T0601300019-VE-2	2	BZ	8/28/2018	UG/L	=	0.5	37.9382025	-122.3480978	MONITORING				EDF
T0601300019-VE-2	0	BZ	2/26/2019	UG/L	ND	0.5	37.9382025	-122.3480978	MONITORING				EDF
T0601300023-DW-6	0	BZ	8/29/2018	UG/L	ND	1	37.91412631	-122.36545	MONITORING		3	7	EDF
T0601300023-DW-6	0	BZ	2/6/2019	UG/L	ND	1	37.91412631	-122.36545	MONITORING		3	7	EDF
T0601300023-DW-6	0	BZ	11/28/2018	UG/L	ND	1	37.91412631	-122.36545	MONITORING		3	7	EDF
T0601300023-DW-7	0	BZ	8/29/2018	UG/L	ND	1	37.91406885	-122.365765	MONITORING		3	7	EDF
T0601300023-DW-7	0	BZ	11/28/2018	UG/L	ND	1	37.91406885	-122.365765	MONITORING		3	7	EDF
T0601300023-DW-7	0	BZ	2/6/2019	UG/L	ND	1	37.91406885	-122.365765	MONITORING		3	7	EDF
T0601300023-DW-8	0	BZ	2/6/2019	UG/L	ND	1	37.91410106	-122.3662978	MONITORING		3	7	EDF
T0601300023-DW-8	0	BZ	8/28/2018	UG/L	ND	1	37.91410106	-122.3662978	MONITORING		3	7	EDF
T0601300023-DW-8	0	BZ	11/28/2018	UG/L	ND	1	37.91410106	-122.3662978	MONITORING		3	7	EDF
T0601300023-E-2	0	BZ	8/30/2018	UG/L	ND	1	37.91265903	-122.3652287	MONITORING		6	2	EDF
T0601300023-E-2	0	BZ	11/27/2018	UG/L	ND	1	37.91265903	-122.3652287	MONITORING		6	2	EDF

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T0601300023-E-2	0	BZ	2/6/2019	UG/L	ND	1	37.91265903	-122.3652287	MONITORING		6	2	EDF
T0601300023-E-7	0	BZ	2/6/2019	UG/L	ND	1	37.9125866	-122.3652198	MONITORING		6	2	EDF
T0601300023-E-7	0	BZ	11/27/2018	UG/L	ND	1	37.9125866	-122.3652198	MONITORING		6	2	EDF
T0601300023-E-7	0	BZ	8/30/2018	UG/L	ND	1	37.9125866	-122.3652198	MONITORING		6	2	EDF
T0601300023-EW-2	0	BZ	8/30/2018	UG/L	ND	1	37.91337222	-122.3684511	MONITORING		3	6	EDF
T0601300023-MW-1	0	BZ	2/12/2019	UG/L	ND	1	37.91249309	-122.3674511	MONITORING		5	15	EDF
T0601300023-MW-1	0	BZ	8/29/2018	UG/L	ND	1	37.91249309	-122.3674511	MONITORING		5	15	EDF
T0601300023-MW-10L	0	BZ	2/7/2019	UG/L	ND	1	37.91127998	-122.3659261	MONITORING		4.5	7.5	EDF
T0601300023-MW-10L	0	BZ	8/28/2018	UG/L	ND	1	37.91127998	-122.3659261	MONITORING		4.5	7.5	EDF
T0601300023-MW-11L	0	BZ	2/7/2019	UG/L	ND	1	37.91302812	-122.3678485	MONITORING		4.5	8	EDF
T0601300023-MW-11L	0	BZ	8/30/2018	UG/L	ND	1	37.91302812	-122.3678485	MONITORING		4.5	8	EDF
T0601300023-MW-12L	0	BZ	11/28/2018	UG/L	ND	1	37.91273061	-122.3667516	MONITORING		4.5	5	EDF
T0601300023-MW-12L	0	BZ	8/30/2018	UG/L	ND	20	37.91273061	-122.3667516	MONITORING		4.5	5	EDF
T0601300023-MW-13L	0	BZ	2/7/2019	UG/L	ND	1	37.91247256	-122.3670282	MONITORING		4.5	7.5	EDF
T0601300023-MW-13L	0	BZ	8/28/2018	UG/L	ND	1	37.91247256	-122.3670282	MONITORING		4.5	7.5	EDF
T0601300023-MW-14L	0	BZ	8/28/2018	UG/L	ND	1	37.91201547	-122.36628	MONITORING		4.5	8	EDF
T0601300023-MW-14L	0	BZ	2/7/2019	UG/L	ND	1	37.91201547	-122.36628	MONITORING		4.5	8	EDF
T0601300023-MW-15R	0	BZ	8/29/2018	UG/L	ND	1	37.91144743	-122.3665209	MONITORING		4	4	EDF
T0601300023-MW-15R	0	BZ	2/12/2019	UG/L	ND	1	37.91144743	-122.3665209	MONITORING		4	4	EDF
T0601300023-MW-16L	0	BZ	8/29/2018	UG/L	ND	1	37.91196422	-122.365499	MONITORING		3	10	EDF
T0601300023-MW-16L	0	BZ	2/7/2019	UG/L	ND	1	37.91196422	-122.365499	MONITORING		3	10	EDF
T0601300023-MW-17AL	0	BZ	8/29/2018	UG/L	ND	1	37.91241464	-122.3652232	MONITORING		3	12.5	EDF
T0601300023-MW-17AL	0	BZ	2/6/2019	UG/L	ND	1	37.91241464	-122.3652232	MONITORING		3	12.5	EDF
T0601300023-MW-18L	0	BZ	2/6/2019	UG/L	ND	1	37.9129135	-122.3655204	MONITORING		3	10	EDF
T0601300023-MW-18L	0	BZ	8/30/2018	UG/L	ND	1	37.9129135	-122.3655204	MONITORING		3	10	EDF
T0601300023-MW-19L	0	BZ	8/30/2018	UG/L	ND	1	37.91365855	-122.3656585	MONITORING		3	10	EDF
T0601300023-MW-19L	0	BZ	2/6/2019	UG/L	ND	1	37.91365855	-122.3656585	MONITORING		3	10	EDF
T0601300023-MW-19L	0	BZ	11/28/2018	UG/L	ND	1	37.91365855	-122.3656585	MONITORING		3	10	EDF
T0601300023-MW-1L	0	BZ	8/29/2018	UG/L	ND	1	37.91396137	-122.3688233	MONITORING		4.5	8	EDF
T0601300023-MW-1L	0	BZ	2/7/2019	UG/L	ND	1	37.91396137	-122.3688233	MONITORING		4.5	8	EDF
T0601300023-MW-1U	0	BZ	8/30/2018	UG/L	ND	1	37.91269383	-122.3692086	MONITORING		4.5	7.5	EDF

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T0601300023-MW-1U	0	BZ	2/7/2019	UG/L	ND	1	37.91269383	-122.3692086	MONITORING		4.5	7.5	EDF
T0601300023-MW-2	0	BZ	2/7/2019	UG/L	ND	1	37.91245695	-122.3665882	MONITORING		5	15	EDF
T0601300023-MW-2	0	BZ	8/29/2018	UG/L	ND	1	37.91245695	-122.3665882	MONITORING		5	15	EDF
T0601300023-MW-20L	0	BZ	8/30/2018	UG/L	ND	1	37.91390561	-122.3675069	MONITORING		3.5	6	EDF
T0601300023-MW-20L	0	BZ	2/7/2019	UG/L	ND	1	37.91390561	-122.3675069	MONITORING		3.5	6	EDF
T0601300023-MW-21L	0	BZ	8/30/2018	UG/L	ND	1	37.91347861	-122.3664333	MONITORING		3.5	6	EDF
T0601300023-MW-21L	0	BZ	2/12/2019	UG/L	ND	1	37.91347861	-122.3664333	MONITORING		3.5	6	EDF
T0601300023-MW-22L	0	BZ	8/30/2018	UG/L	ND	1	37.9127572	-122.3661939	MONITORING		3	10	EDF
T0601300023-MW-22L	0	BZ	2/6/2019	UG/L	ND	1	37.9127572	-122.3661939	MONITORING		3	10	EDF
T0601300023-MW-23LD	0	BZ	11/28/2018	UG/L	ND	1	37.91218984	-122.3666264	MONITORING		30	5.5	EDF
T0601300023-MW-23LD	0	BZ	2/7/2019	UG/L	ND	1	37.91218984	-122.3666264	MONITORING		30	5.5	EDF
T0601300023-MW-23LD	0	BZ	8/29/2018	UG/L	ND	1	37.91218984	-122.3666264	MONITORING		30	5.5	EDF
T0601300023-MW-23LS	0	BZ	2/7/2019	UG/L	ND	1	37.91218981	-122.3666272	MONITORING		18	4.5	EDF
T0601300023-MW-23LS	0	BZ	8/29/2018	UG/L	ND	1	37.91218981	-122.3666272	MONITORING		18	4.5	EDF
T0601300023-MW-24D	0	BZ	11/28/2018	UG/L	ND	1	37.9126112	-122.3654804	MONITORING		26	5	EDF
T0601300023-MW-24D	0	BZ	2/6/2019	UG/L	ND	1	37.9126112	-122.3654804	MONITORING		26	5	EDF
T0601300023-MW-24D	0	BZ	8/30/2018	UG/L	ND	1	37.9126112	-122.3654804	MONITORING		26	5	EDF
T0601300023-MW-25D	0	BZ	8/29/2018	UG/L	ND	1	37.91196867	-122.3654887	MONITORING		30	3	EDF
T0601300023-MW-25D	0	BZ	11/28/2018	UG/L	ND	1	37.91196867	-122.3654887	MONITORING		30	3	EDF
T0601300023-MW-25D	0	BZ	2/7/2019	UG/L	ND	1	37.91196867	-122.3654887	MONITORING		30	3	EDF
T0601300023-MW-26L	0	BZ	11/28/2018	UG/L	ND	1	37.91292756	-122.3667119	MONITORING		3	7	EDF
T0601300023-MW-26L	0	BZ	8/30/2018	UG/L	ND	200	37.91292756	-122.3667119	MONITORING		3	7	EDF
T0601300023-MW-26L	2.75	BZ	2/12/2019	UG/L	=	1	37.91292756	-122.3667119	MONITORING		3	7	EDF
T0601300023-MW-27L	0	BZ	8/30/2018	UG/L	ND	1	37.91345646	-122.3677006	MONITORING		3	10	EDF
T0601300023-MW-27L	0	BZ	11/28/2018	UG/L	ND	1	37.91345646	-122.3677006	MONITORING		3	10	EDF
T0601300023-MW-27L	0	BZ	2/7/2019	UG/L	ND	1	37.91345646	-122.3677006	MONITORING		3	10	EDF
T0601300023-MW-28L	0	BZ	8/30/2018	UG/L	ND	1	37.91384278	-122.3678882	MONITORING		3	10	EDF
T0601300023-MW-28L	0	BZ	11/28/2018	UG/L	ND	1	37.91384278	-122.3678882	MONITORING		3	10	EDF
T0601300023-MW-28L	0	BZ	2/12/2019	UG/L	ND	1	37.91384278	-122.3678882	MONITORING		3	10	EDF
T0601300023-MW-29L	0	BZ	11/27/2018	UG/L	ND	1	37.91266891	-122.3653699	MONITORING		4	4	EDF
T0601300023-MW-29L	0	BZ	8/29/2018	UG/L	ND	1	37.91266891	-122.3653699	MONITORING		4	4	EDF

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T0601300023-MW-2L	0	BZ	2/7/2019	UG/L	ND	1	37.91405824	-122.3671219	MONITORING		4.5	9	EDF
T0601300023-MW-2L	0	BZ	8/29/2018	UG/L	ND	1	37.91405824	-122.3671219	MONITORING		4.5	9	EDF
T0601300023-MW-3	0	BZ	11/28/2018	UG/L	ND	1	37.91169268	-122.3666247	MONITORING		5	15	EDF
T0601300023-MW-3	0	BZ	2/7/2019	UG/L	ND	1	37.91169268	-122.3666247	MONITORING		5	15	EDF
T0601300023-MW-3	0	BZ	8/30/2018	UG/L	ND	1	37.91169268	-122.3666247	MONITORING		5	15	EDF
T0601300023-MW-3L	0	BZ	8/29/2018	UG/L	ND	1	37.91404894	-122.3664546	MONITORING		5	9	EDF
T0601300023-MW-3L	0	BZ	2/7/2019	UG/L	ND	1	37.91404894	-122.3664546	MONITORING		5	9	EDF
T0601300023-MW-4L	0	BZ	2/6/2019	UG/L	ND	1	37.91406222	-122.3659742	MONITORING		4.5	9	EDF
T0601300023-MW-4L	0	BZ	8/29/2018	UG/L	ND	1	37.91406222	-122.3659742	MONITORING		4.5	9	EDF
T0601300023-MW-5L	0	BZ	8/29/2018	UG/L	ND	1	37.91382528	-122.3654588	MONITORING		4.5	7.5	EDF
T0601300023-MW-5L	0	BZ	2/7/2019	UG/L	ND	1	37.91382528	-122.3654588	MONITORING		4.5	7.5	EDF
T0601300023-MW-5L	0	BZ	11/28/2018	UG/L	ND	1	37.91382528	-122.3654588	MONITORING		4.5	7.5	EDF
T0601300023-MW-6L	0	BZ	8/29/2018	UG/L	ND	1	37.91330425	-122.3653527	MONITORING		4.5	7.5	EDF
T0601300023-MW-6L	0	BZ	2/7/2019	UG/L	ND	1	37.91330425	-122.3653527	MONITORING		4.5	7.5	EDF
T0601300023-MW-6U	0	BZ	2/6/2019	UG/L	ND	1	37.91119263	-122.3724128	MONITORING		55	25	EDF
T0601300023-MW-7L	0	BZ	8/30/2018	UG/L	ND	1	37.91261038	-122.3654922	MONITORING		4.5	7.5	EDF
T0601300023-MW-7L	0	BZ	2/6/2019	UG/L	ND	1	37.91261038	-122.3654922	MONITORING		4.5	7.5	EDF
T0601300023-MW-7U	0	BZ	2/6/2019	UG/L	ND	1	37.91168176	-122.3710708	MONITORING		55	25	EDF
T0601300023-MW-8L	0	BZ	8/28/2018	UG/L	ND	1	37.91172847	-122.365293	MONITORING		4.5	7.5	EDF
T0601300023-MW-8L	0	BZ	2/7/2019	UG/L	ND	1	37.91172847	-122.365293	MONITORING		4.5	7.5	EDF
T0601300023-MW-8U	0	BZ	2/6/2019	UG/L	ND	1	37.91061952	-122.3688848	MONITORING		110	25	EDF
T0601300023-MW-9L	0	BZ	8/28/2018	UG/L	ND	1	37.9112147	-122.3651865	MONITORING		4.5	7.5	EDF
T0601300023-MW-9L	0	BZ	2/7/2019	UG/L	ND	1	37.9112147	-122.3651865	MONITORING		4.5	7.5	EDF
T0601300036-MW-12	504	BZ	11/29/2018	UG/L	=	10	37.9355813	-122.3260584	MONITORING		14	20	EDF
T0601300036-MW-14	0	BZ	11/29/2018	UG/L	ND	1	37.9353162	-122.3257417	MONITORING		15	20	EDF
T0601300036-MW-15	0	BZ	11/29/2018	UG/L	ND	1	37.9352665	-122.325385	MONITORING		15	20	EDF
T0601300036-MW-17	0	BZ	11/29/2018	UG/L	ND	1	37.9349966	-122.3258487	MONITORING				EDF
T0601300036-MW-4	0	BZ	11/29/2018	UG/L	ND	1	37.9357886	-122.3254881	MONITORING		5	30	EDF
T0601300036-MW-6	10600	BZ	11/29/2018	UG/L	=	100	37.9356943	-122.3254221	MONITORING		10	25	EDF
T0601300036-MW-7	12700	BZ	11/29/2018	UG/L	=	200	37.9355284	-122.3254741	MONITORING		7	28	EDF
T0601300499-MW-1A	1.9	BZ	11/26/2018	UG/L	=	0.5	37.9262339	-122.3196109	MONITORING	13.5			EDF

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T0601300594-MW-1	38	BZ	8/28/2018	UG/L	=	5	37.9395806	-122.3478661	MONITORING	16.8		10	EDF
T0601300594-MW-2	74	BZ	8/28/2018	UG/L	=	5	37.9397392	-122.3478687	MONITORING	16.5		10	EDF
T0601300594-MW-3	41	BZ	8/28/2018	UG/L	=	5	37.9398536	-122.347699	MONITORING	16.5		10	EDF
T0601300594-MW-4	0	BZ	8/28/2018	UG/L	ND	0.5	37.939518	-122.3476659	MONITORING	16.6		10	EDF
T0601300594-MW-5	2.3	BZ	8/29/2018	UG/L	=	0.5	37.9395001	-122.3480165	MONITORING	16.9			EDF
T0601300594-MW-6	0	BZ	8/29/2018	UG/L	ND	0.5	37.9391388	-122.3474307	MONITORING	16.7			EDF
T0601300712-AI-1	6700	BZ	2/27/2019	UG/L	=	1000	37.9253762	-122.3480707	MONITORING		9	10	EDF
T0601300712-MW-12	0	BZ	2/25/2019	UG/L	ND	100	37.9250535	-122.3482496	MONITORING		23	7	EDF
T0601300712-MW-12A	3100	BZ	2/28/2019	UG/L	=	2500	37.9250534	-122.3482749	MONITORING		5	15	EDF
T0601300712-MW-13	3.3	BZ	2/25/2019	UG/L	=	0.5	37.9248228	-122.3482965	MONITORING		26	7	EDF
T0601300712-MW-13A	6800	BZ	2/28/2019	UG/L	=	170	37.9248229	-122.3483194	MONITORING		5	13.5	EDF
T0601300712-MW-14	0	BZ	2/25/2019	UG/L	ND	0.5	37.9243793	-122.3485045	MONITORING		20	10	EDF
T0601300712-MW-15A	9500	BZ	2/25/2019	UG/L	=	170	37.9254604	-122.3476701	MONITORING		4	15	EDF
T0601300712-MW-15B	10000	BZ	2/25/2019	UG/L	=	170	37.9254609	-122.347669	MONITORING		23	5	EDF
T0601300712-MW-2	2200	BZ	2/28/2019	UG/L	=	50	37.9253852	-122.3478039	MONITORING				EDF
T0601300712-MW-3	0	BZ	2/28/2019	UG/L	ND	25	37.9253406	-122.3479761	MONITORING				EDF
T0601300712-MW-4	720	BZ	2/28/2019	UG/L	=	25	37.9255789	-122.3480811	MONITORING				EDF
T0601300712-MW-9	410	BZ	2/25/2019	UG/L	=	25	37.9247068	-122.3483326	MONITORING		20	10	EDF
T0601300712-OBS-1A	6300	BZ	2/27/2019	UG/L	=	1000	37.925352	-122.348098	MONITORING		4	14	EDF
T0601300712-OBS-1B	360	BZ	2/28/2019	UG/L	=	100	37.925351	-122.3480981	MONITORING		21	9	EDF
T0601300712-OBS-2B	1600	BZ	2/28/2019	UG/L	=	250	37.9253954	-122.3480434	MONITORING		21	9	EDF
T0601300717-MW-1	380	BZ	5/23/2019	UG/L	=	10	37.944555	-122.347113	MONITORING				EDF
T0601300717-MW-1	160	BZ	11/20/2018	UG/L	=	1.7	37.944555	-122.347113	MONITORING				EDF
T0601300717-MW-10	0	BZ	11/20/2018	UG/L	ND	0.5	37.944317	-122.346868	MONITORING				EDF
T0601300717-MW-11	8.2	BZ	11/20/2018	UG/L	=	0.5	37.944759	-122.347315	MONITORING				EDF
T0601300717-MW-11	560	BZ	5/23/2019	UG/L	=	5	37.944759	-122.347315	MONITORING				EDF
T0601300717-MW-12	0	BZ	5/23/2019	UG/L	ND	0.5	37.944756	-122.346983	MONITORING				EDF
T0601300717-MW-12	0	BZ	11/20/2018	UG/L	ND	0.5	37.944756	-122.346983	MONITORING				EDF
T0601300717-MW-2	38	BZ	11/20/2018	UG/L	=	2.5	37.944475	-122.34729	MONITORING				EDF
T0601300717-MW-2	15	BZ	5/23/2019	UG/L	=	0.5	37.944475	-122.34729	MONITORING				EDF
T0601300717-MW-3	140	BZ	5/24/2019	UG/L	=	1	37.944451	-122.346983	MONITORING				EDF

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T0601300717-MW-3	77	BZ	11/21/2018	UG/L	=	5	37.944451	-122.346983	MONITORING				EDF
T0601300717-MW-4	0	BZ	11/20/2018	UG/L	ND	0.5	37.944493	-122.347187	MONITORING				EDF
T0601300717-MW-4	0	BZ	5/23/2019	UG/L	ND	0.5	37.944493	-122.347187	MONITORING				EDF
T0601300717-MW-5	170	BZ	11/20/2018	UG/L	=	5	37.944549	-122.346961	MONITORING				EDF
T0601300717-MW-5	89	BZ	5/24/2019	UG/L	=	0.5	37.944549	-122.346961	MONITORING				EDF
T0601300717-MW-6	190	BZ	5/23/2019	UG/L	=	2.5	37.944668	-122.347098	MONITORING				EDF
T0601300717-MW-6	46	BZ	11/20/2018	UG/L	=	0.5	37.944668	-122.347098	MONITORING				EDF
T0601300717-MW-7	35	BZ	11/20/2018	UG/L	=	1.7	37.944615	-122.347303	MONITORING				EDF
T0601300717-MW-7	700	BZ	5/23/2019	UG/L	=	5	37.944615	-122.347303	MONITORING				EDF
T0601300717-MW-8	9.3	BZ	11/21/2018	UG/L	=	5	37.944307	-122.347188	MONITORING				EDF
T0601300717-MW-8	120	BZ	5/23/2019	UG/L	=	1	37.944307	-122.347188	MONITORING				EDF
T0601300717-MW-9	680	BZ	11/20/2018	UG/L	=	5	37.9444	-122.346757	MONITORING				EDF
T0601300717-MW-9	16	BZ	5/24/2019	UG/L	=	0.5	37.9444	-122.346757	MONITORING				EDF
T0601307808-MW-1	0	BZ	8/14/2018	UG/L	ND	0.5	37.9257923	-122.3225249	MONITORING				EDF
T0601307808-MW-2	0	BZ	8/14/2018	UG/L	ND	0.5	37.9256353	-122.3223946	MONITORING				EDF
T0601307808-MW-3	0	BZ	8/13/2018	UG/L	ND	0.5	37.9256826	-122.3221548	MONITORING				EDF
T0601307808-MW-4	0	BZ	8/13/2018	UG/L	ND	1.7	37.92538	-122.3223195	MONITORING				EDF
T0601307808-MW-5	0	BZ	8/14/2018	UG/L	ND	10	37.9258423	-122.322459	MONITORING				EDF
T0601307808-MW-6	0	BZ	8/13/2018	UG/L	ND	25	37.9257271	-122.3227198	MONITORING				EDF
T0601307808-MW-7	0	BZ	8/13/2018	UG/L	ND	1	37.9256215	-122.3230036	MONITORING				EDF
T0601307808-MW-8	0	BZ	8/13/2018	UG/L	ND	25	37.9253809	-122.322835	MONITORING				EDF
T0601307808-MW-9	0	BZ	8/13/2018	UG/L	ND	0.5	37.9256226	-122.3232664	MONITORING		5	20	EDF
T0601359733-MW-1	0	BZ	11/5/2018	UG/L	ND	0.5	37.9548788	-122.3471771	MONITORING	17.85	8	10	EDF
T0601359733-MW-1	0.228	BZ	3/6/2019	UG/L	=	0.5	37.9548788	-122.3471771	MONITORING	17.85	8	10	EDF
T0601359733-MW-2	399	BZ	11/5/2018	UG/L	=	0.5	37.9547212	-122.3470269	MONITORING	18.26	8	10	EDF
T0601359733-MW-2	210	BZ	3/6/2019	UG/L	=	5	37.9547212	-122.3470269	MONITORING	18.26	8	10	EDF
T0601359733-MW-3	817	BZ	3/6/2019	UG/L	=	5	37.9547324	-122.3472005	MONITORING	17.95	8	10	EDF
T0601359733-MW-3	1610	BZ	11/5/2018	UG/L	=	5	37.9547324	-122.3472005	MONITORING	17.95	8	10	EDF
T0601359733-MW-3	1740	BZ	11/5/2018	UG/L	=	5	37.9547324	-122.3472005	MONITORING	17.95	8	10	EDF
T06019709731-MW-4	25	BZ	12/17/2018	UG/L	=	0.5	37.8498193	-122.2863895	MONITORING	16.77			EDF
T06019709731-MW-5	0	BZ	12/17/2018	UG/L	ND	0.5	37.8499131	-122.2862134	MONITORING	21.47			EDF

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T06019709731-MW-6	190	BZ	12/17/2018	UG/L	=	20	37.8497109	-122.2863456	MONITORING	20.78			EDF
T06019709731-MW-7	20	BZ	12/17/2018	UG/L	=	1	37.8498023	-122.2861456	MONITORING	21.1			EDF
T06019709731-MW-8	0	BZ	12/17/2018	UG/L	ND	0.5	37.8495071	-122.2863877	MONITORING	15.29			EDF
T06019709731-MW-9	0	BZ	12/17/2018	UG/L	ND	0.5	37.8495073	-122.2660023	MONITORING	20.72			EDF
T06019744728-MW-1RA	0	BZ	1/15/2019	UG/L	ND	1	37.7718672	-122.2385472	MONITORING	19.9			EDF
T06019744728-MW-1RB	36	BZ	1/15/2019	UG/L	=	20	37.7718806	-122.2385549	MONITORING	12.69			EDF
T06019744728-MW-2	0	BZ	1/15/2019	UG/L	ND	1	37.7713799	-122.238605	MONITORING	15.57			EDF
T06019744728-MW-3	0	BZ	1/15/2019	UG/L	ND	1	37.7717092	-122.2387636	MONITORING	17.7			EDF
T06019744728-MW-4	0	BZ	1/15/2019	UG/L	ND	1	37.7717347	-122.2384042	MONITORING	20.1			EDF
T06019744728-MW-5	65	BZ	1/15/2019	UG/L	=	1	37.7718488	-122.2387653	MONITORING	17.68			EDF
T06019744728-MW-6	0.6	BZ	1/15/2019	UG/L	ND	1	37.7719981	-122.2387418	MONITORING	20.05			EDF
T06019775776-MW-1	0	BZ	2/15/2019	UG/L	ND	0.5	37.7441922	-122.2227483	MONITORING	8.44			EDF
T06019775776-MW-1	0	BZ	9/18/2018	UG/L	ND	0.5	37.7441922	-122.2227483	MONITORING	8.44			EDF
T06019775776-MW-10	0	BZ	2/15/2019	UG/L	ND	0.5	37.743851	-122.2226501	MONITORING	10.05	3	7	EDF
T06019775776-MW-10	0	BZ	9/18/2018	UG/L	ND	0.5	37.743851	-122.2226501	MONITORING	10.05	3	7	EDF
T06019775776-MW-11	0	BZ	2/15/2019	UG/L	ND	0.5	37.7435569	-122.2228055	MONITORING	9.68	3	7	EDF
T06019775776-MW-11	0	BZ	9/18/2018	UG/L	ND	0.5	37.7435569	-122.2228055	MONITORING	9.68	3	7	EDF
T06019775776-MW-12	0	BZ	2/15/2019	UG/L	ND	0.5	37.7436187	-122.2223794	MONITORING	9.94	3	7	EDF
T06019775776-MW-12	0	BZ	9/18/2018	UG/L	ND	0.5	37.7436187	-122.2223794	MONITORING	9.94	3	7	EDF
T06019775776-MW-13	0	BZ	2/15/2019	UG/L	ND	0.5	37.7433907	-122.2226614	MONITORING	9.51	3	7	EDF
T06019775776-MW-13	0.769	BZ	9/18/2018	UG/L	=	0.5	37.7433907	-122.2226614	MONITORING	9.51	3	7	EDF
T06019775776-MW-14	0	BZ	2/15/2019	UG/L	ND	0.5	37.7434157	-122.2224257	MONITORING	10.03	3	7	EDF
T06019775776-MW-14	0	BZ	9/18/2018	UG/L	ND	0.5	37.7434157	-122.2224257	MONITORING	10.03	3	7	EDF
T06019775776-MW-15	0	BZ	9/18/2018	UG/L	ND	0.5	37.7434479	-122.2222172	MONITORING	10.01	3	7	EDF
T06019775776-MW-15	0	BZ	2/15/2019	UG/L	ND	0.5	37.7434479	-122.2222172	MONITORING	10.01	3	7	EDF
T06019775776-MW-18	0	BZ	9/18/2018	UG/L	ND	0.5	37.7435722	-122.2226223	MONITORING	9.95	3	7	EDF
T06019775776-MW-2	0	BZ	9/18/2018	UG/L	ND	0.5	37.7438439	-122.222443	MONITORING	8.91			EDF
T06019775776-MW-2	0	BZ	2/15/2019	UG/L	ND	0.5	37.7438439	-122.222443	MONITORING	8.91			EDF
T06019775776-MW-3	0	BZ	2/15/2019	UG/L	ND	0.5	37.7432571	-122.2224306	MONITORING	12.09			EDF
T06019775776-MW-3	0	BZ	9/18/2018	UG/L	ND	0.5	37.7432571	-122.2224306	MONITORING	12.09			EDF
T06019775776-MW-4	0	BZ	9/18/2018	UG/L	ND	0.5	37.7441576	-122.2233341	MONITORING	9.99	3	7	EDF

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T06019775776-MW-4	0	BZ	2/15/2019	UG/L	ND	0.5	37.7441576	-122.2233341	MONITORING	9.99	3	7	EDF
T06019775776-MW-5	0	BZ	2/15/2019	UG/L	ND	0.5	37.7442975	-122.2230839	MONITORING	9.65	3	7	EDF
T06019775776-MW-5	0	BZ	9/18/2018	UG/L	ND	0.5	37.7442975	-122.2230839	MONITORING	9.65	3	7	EDF
T06019775776-MW-6	0	BZ	2/15/2019	UG/L	ND	0.5	37.7440808	-122.2232712	MONITORING	10.71	3	7	EDF
T06019775776-MW-6	0	BZ	9/18/2018	UG/L	ND	0.5	37.7440808	-122.2232712	MONITORING	10.71	3	7	EDF
T06019775776-MW-7	0	BZ	9/18/2018	UG/L	ND	0.5	37.7441807	-122.223087	MONITORING	10.11	3	7	EDF
T06019775776-MW-7	0	BZ	2/15/2019	UG/L	ND	0.5	37.7441807	-122.223087	MONITORING	10.11	3	7	EDF
T06019775776-MW-8	0	BZ	9/18/2018	UG/L	ND	0.5	37.7436068	-122.2230507	MONITORING	9.85	3	7	EDF
T06019775776-MW-8	0	BZ	2/15/2019	UG/L	ND	0.5	37.7436068	-122.2230507	MONITORING	9.85	3	7	EDF
T06019775776-MW-9	0	BZ	9/18/2018	UG/L	ND	0.5	37.7438962	-122.2229559	MONITORING	9.94	3	7	EDF
T06019775776-MW-9	0	BZ	2/15/2019	UG/L	ND	0.5	37.7438962	-122.2229559	MONITORING	9.94	3	7	EDF
T06019775776-NPORDMV	0	BZ	2/15/2019	UG/L	ND	0.5	37.7446435	-122.2232224	MONITORING	16.46			EDF
T06019775776-NPORDMV	0	BZ	9/18/2018	UG/L	ND	0.5	37.7446435	-122.2232224	MONITORING	16.46			EDF
T06019775776-NPORDMV	0	BZ	9/18/2018	UG/L	ND	0.5	37.7433972	-122.2227967	MONITORING	11.45			EDF
T06019775776-NPORDMV	0	BZ	2/15/2019	UG/L	ND	0.5	37.7433972	-122.2227967	MONITORING	11.45			EDF
T06019788682-MW-1	54	BZ	8/28/2018	UG/L	=	0.5	37.8291993	-122.2788355	MONITORING	22.7			EDF
T06019788682-MW-2	64	BZ	8/28/2018	UG/L	=	0.5	37.8291503	-122.2788368	MONITORING	22.8			EDF
T06019788682-MW-3	0.68	BZ	8/28/2018	UG/L	=	0.5	37.8291396	-122.2788992	MONITORING	22.8			EDF
T06019788682-MW-4	12	BZ	8/28/2018	UG/L	=	0.5	37.8290612	-122.27893	MONITORING	22.8			EDF
T0619716673-MW1	0	BZ	10/10/2018	UG/L	ND	0.5	37.8880384	-122.2984473	MONITORING				EDF
T0619716673-MW1	0	BZ	4/2/2019	UG/L	ND	0.5	37.8880384	-122.2984473	MONITORING				EDF
T0619716673-MW1A	0	BZ	4/2/2019	UG/L	ND	0.5	37.8880594	-122.2984529	MONITORING				EDF
T0619716673-MW2	0	BZ	4/2/2019	UG/L	ND	0.5	37.8879305	-122.2984079	MONITORING				EDF
T0619716673-MW2	0	BZ	10/10/2018	UG/L	ND	0.5	37.8879305	-122.2984079	MONITORING				EDF
T0619716673-MW2A	0	BZ	4/2/2019	UG/L	ND	2	37.8879459	-122.2984154	MONITORING				EDF
T0619716673-MW3	93	BZ	4/3/2019	UG/L	=	20	37.8878945	-122.298559	MONITORING				EDF
T0619716673-MW3	260	BZ	10/10/2018	UG/L	=	10	37.8878945	-122.298559	MONITORING				EDF
T0619716673-MW3A	0	BZ	10/10/2018	UG/L	ND	0.5	37.8879037	-122.2985623	MONITORING				EDF
T0619716673-MW3A	0	BZ	4/3/2019	UG/L	ND	0.5	37.8879037	-122.2985623	MONITORING				EDF
T0619716673-MW4	79	BZ	10/10/2018	UG/L	=	2	37.8878851	-122.2986883	MONITORING				EDF
T0619716673-MW4	15	BZ	4/2/2019	UG/L	=	0.5	37.8878851	-122.2986883	MONITORING				EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top of Screen (FT)	Screen Length (FT)	Source
T0619716673-MW4A	0.65	BZ	4/2/2019	UG/L	=	0.5	37.8879015	-122.298688	MONITORING				EDF
T0619716673-MW5	53	BZ	10/10/2018	UG/L	=	1	37.8879453	-122.2987089	MONITORING				EDF
T0619716673-MW5	8.4	BZ	4/3/2019	UG/L	=	0.5	37.8879453	-122.2987089	MONITORING				EDF
T0619716673-MW5A	17	BZ	4/3/2019	UG/L	=	0.5	37.8879494	-122.2986944	MONITORING				EDF
T0619716673-MW6	6.5	BZ	4/2/2019	UG/L	=	0.5	37.8879988	-122.2987277	MONITORING				EDF
T0619716673-MW6	0	BZ	10/10/2018	UG/L	ND	0.5	37.8879988	-122.2987277	MONITORING				EDF
T0619716673-MW6A	0	BZ	4/2/2019	UG/L	ND	0.5	37.8879844	-122.2987304	MONITORING				EDF
T0619716673-MW7	43	BZ	10/10/2018	UG/L	=	4	37.8878386	-122.2987881	MONITORING				EDF
T0619716673-MW7	2.6	BZ	4/2/2019	UG/L	=	0.5	37.8878386	-122.2987881	MONITORING				EDF
T0619716673-MW8	0	BZ	10/10/2018	UG/L	ND	0.5	37.887992	-122.2991575	MONITORING				EDF
T0619716673-MW8	0	BZ	4/2/2019	UG/L	ND	0.5	37.887992	-122.2991575	MONITORING				EDF
T0619716673-MW9	0	BZ	10/10/2018	UG/L	ND	0.5	37.8879136	-122.2991332	MONITORING				EDF
T0619716673-MW9	0	BZ	4/2/2019	UG/L	ND	0.5	37.8879136	-122.2991332	MONITORING				EDF
T0619748201-MW-101	570	BZ	11/20/2018	UG/L	=	5	37.8479522	-122.2653964	MONITORING	20			EDF
T0619748201-MW-101	490	BZ	11/20/2018	UG/L	=	12	37.8479522	-122.2653964	MONITORING	20			EDF
T0619748201-MW-102	0	BZ	11/20/2018	UG/L	ND	0.5	37.8480592	-122.2653564	MONITORING	20			EDF
T0619748201-MW-103	67	BZ	11/20/2018	UG/L	=	5	37.8479122	-122.2653311	MONITORING	20			EDF
T0619748201-MW-103	110	BZ	11/20/2018	UG/L	=	5	37.8479122	-122.2653311	MONITORING	20			EDF
T0619748201-MW-104	0	BZ	11/20/2018	UG/L	ND	0.5	37.847894	-122.26551	MONITORING	20			EDF
T0619748201-MW-105	0	BZ	11/20/2018	UG/L	ND	0.5	37.847826	-122.265374	MONITORING	20			EDF
T10000001026-SGI-MW-1	0	BZ	9/4/2018	UG/L	ND	0.5	37.9546218	-122.3589921	MONITORING				EDF
T10000001026-SGI-MW-2	0	BZ	9/4/2018	UG/L	ND	0.5	37.9546522	-122.3598575	MONITORING				EDF
T10000001026-SGI-MW-3	0	BZ	9/4/2018	UG/L	ND	0.5	37.9538381	-122.3599158	MONITORING				EDF
T10000001026-SGI-MW-4	0	BZ	9/4/2018	UG/L	ND	0.5	37.953127	-122.3599482	MONITORING				EDF
T10000001026-SGI-MW-7	0	BZ	9/4/2018	UG/L	ND	0.5	37.9519895	-122.35913	MONITORING				EDF
T10000003428-MW-1	680	BZ	2/12/2019	UG/L	=	10	37.7988535	-122.2728792	MONITORING	29.72			EDF
T10000003428-MW-1	3100	BZ	8/14/2018	UG/L	=	50	37.7988535	-122.2728792	MONITORING	29.72			EDF
T10000003428-MW-2	120	BZ	2/12/2019	UG/L	=	5	37.7986993	-122.2727808	MONITORING	29.82			EDF
T10000003428-MW-2	160	BZ	8/14/2018	UG/L	=	5	37.7986993	-122.2727808	MONITORING	29.82			EDF
T10000003428-MW-3	3800	BZ	8/14/2018	UG/L	=	100	37.7987534	-122.2729233	MONITORING	29.75			EDF
T10000003428-MW-3	1900	BZ	2/12/2019	UG/L	=	25	37.7987534	-122.2729233	MONITORING	29.75			EDF

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T10000003428-MW-4	860	BZ	2/12/2019	UG/L	=	25	37.7987909	-122.2733659	MONITORING	29.73			EDF
T10000003428-MW-4	950	BZ	8/14/2018	UG/L	=	25	37.7987909	-122.2733659	MONITORING	29.73			EDF
T10000004218-MW-1	0	BZ	12/18/2018	UG/L	ND	1	37.793618	-122.2264971	MONITORING	19.78			EDF
T10000004218-MW-1	0	BZ	9/21/2018	UG/L	ND	1	37.793618	-122.2264971	MONITORING	19.78			EDF
T10000004218-MW-2	0	BZ	12/18/2018	UG/L	ND	1	37.7937056	-122.2265157	MONITORING	19.77			EDF
T10000004218-MW-2	0	BZ	9/21/2018	UG/L	ND	1	37.7937056	-122.2265157	MONITORING	19.77			EDF
T10000004218-MW-3	0	BZ	9/21/2018	UG/L	ND	5	37.79359	-122.2263791	MONITORING	19.82			EDF
T10000004218-MW-3	0	BZ	12/18/2018	UG/L	ND	5	37.79359	-122.2263791	MONITORING	19.82			EDF
T10000004218-MW-4	1300	BZ	12/18/2018	UG/L	=	10	37.7935854	-122.2265479	MONITORING	19.75			EDF
T10000004218-MW-4	1600	BZ	9/21/2018	UG/L	=	10	37.7935854	-122.2265479	MONITORING	19.75			EDF
T10000004218-MW-5	0	BZ	9/21/2018	UG/L	ND	1	37.7933954	-122.2268937	MONITORING	19.95			EDF
T10000004218-MW-5	0	BZ	12/18/2018	UG/L	ND	1	37.7933954	-122.2268937	MONITORING	19.95			EDF
T10000005974-MW-1	71.6	BZ	8/30/2018	UG/L	=	1	37.77711382	-122.2764581	MONITORING	15.15	7	10	EDF
T10000005974-MW-2A	0	BZ	8/30/2018	UG/L	ND	1	37.77693441	-122.276498	MONITORING	17.35	7	10	EDF
T10000005974-MW-3A	0	BZ	8/30/2018	UG/L	ND	1	37.776943	-122.2762181	MONITORING	19.9	7	10	EDF
T10000006351-MW-3A	240	BZ	9/13/2018	UG/L	=	5	37.61862109	-122.0348067	MONITORING				EDF
T10000006351-MW-3A	1500	BZ	12/20/2018	UG/L	=	10	37.61862109	-122.0348067	MONITORING				EDF
T10000006351-MW-3A	1400	BZ	3/27/2019	UG/L	=	10	37.61862109	-122.0348067	MONITORING				EDF
T10000006351-MW-4A	4.7	BZ	3/27/2019	UG/L	=	0.5	37.61853385	-122.034758	MONITORING				EDF
T10000006351-MW-4A	0	BZ	9/13/2018	UG/L	ND	0.5	37.61853385	-122.034758	MONITORING				EDF
T10000006351-MW-4A	0	BZ	12/20/2018	UG/L	ND	0.5	37.61853385	-122.034758	MONITORING				EDF
T10000006351-MW-5A	0	BZ	12/20/2018	UG/L	ND	0.5	37.61879434	-122.0347194	MONITORING				EDF
T10000006351-MW-5A	0	BZ	9/13/2018	UG/L	ND	0.5	37.61879434	-122.0347194	MONITORING				EDF
T10000006351-MW-5A	0	BZ	3/27/2019	UG/L	ND	0.5	37.61879434	-122.0347194	MONITORING				EDF
T10000006351-MW-6A	2200	BZ	12/20/2018	UG/L	=	50	37.61868888	-122.0346068	MONITORING				EDF
T10000006351-MW-6A	1800	BZ	3/27/2019	UG/L	=	50	37.61868888	-122.0346068	MONITORING				EDF
T10000006351-MW-6A	660	BZ	11/13/2018	UG/L	=	10	37.61868888	-122.0346068	MONITORING				EDF
T10000009401-MW-1	0	BZ	2/15/2019	UG/L	ND	1	37.7610555	-122.2453043	MONITORING	14.75	5	10	EDF
T10000009401-MW-1	0	BZ	8/24/2018	UG/L	ND	1	37.7610555	-122.2453043	MONITORING	14.75	5	10	EDF
T10000009401-MW-1	0	BZ	12/3/2018	UG/L	ND	1	37.7610555	-122.2453043	MONITORING	14.75	5	10	EDF
T10000009401-MW-2	4	BZ	8/24/2018	UG/L	ND	5	37.7609755	-122.2453638	MONITORING	14.35	5	15	EDF

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T10000009401-MW-2	3	BZ	12/3/2018	UG/L	=	1	37.7609755	-122.2453638	MONITORING	14.35	5	15	EDF
T10000009401-MW-2	0.5	BZ	2/15/2019	UG/L	ND	1	37.7609755	-122.2453638	MONITORING	14.35	5	15	EDF
T10000009401-MW-3	5	BZ	8/24/2018	UG/L	=	1	37.7609586	-122.2452386	MONITORING	14.92	5	10	EDF
T10000009401-MW-3	5	BZ	12/3/2018	UG/L	=	1	37.7609586	-122.2452386	MONITORING	14.92	5	10	EDF
T10000009401-MW-3	2	BZ	2/15/2019	UG/L	=	1	37.7609586	-122.2452386	MONITORING	14.92	5	10	EDF
T10000009401-MW-4	0	BZ	8/24/2018	UG/L	ND	1	37.7608746	-122.2453315	MONITORING	14.98	5	10	EDF
T10000009401-MW-4	0	BZ	12/3/2018	UG/L	ND	1	37.7608746	-122.2453315	MONITORING	14.98	5	10	EDF
T10000009401-MW-4	0	BZ	2/15/2019	UG/L	ND	1	37.7608746	-122.2453315	MONITORING	14.98	5	10	EDF
T10000009433-MW-7	0	BZ	9/20/2018	UG/L	ND	1	37.8122075	-122.2798206	MONITORING				EDF
T10000009433-MW-7	0	BZ	1/24/2019	UG/L	ND	1	37.8122075	-122.2798206	MONITORING				EDF
T10000009433-MW-8	101	BZ	1/24/2019	UG/L	=	1	37.8124013	-122.2804083	MONITORING				EDF
T10000009433-MW-8	20.4	BZ	9/20/2018	UG/L	=	1	37.8124013	-122.2804083	MONITORING				EDF
T10000009433-MW-9	0	BZ	9/20/2018	UG/L	ND	1	37.812897	-122.2802245	MONITORING				EDF
T10000009433-MW-9	0	BZ	1/24/2019	UG/L	ND	1	37.812897	-122.2802245	MONITORING				EDF
T10000009600-MW-1	0	BZ	1/15/2019	UG/L	ND	1	37.8435637	-122.2750686	MONITORING	14.27	71.66		EDF
T10000009600-MW-1	0	BZ	10/16/2018	UG/L	ND	1	37.8435637	-122.2750686	MONITORING	14.27	71.66		EDF
T10000009600-MW-1	0	BZ	4/30/2019	UG/L	ND	1	37.8435637	-122.2750686	MONITORING	14.27	71.66		EDF
T10000009600-MW-2	0	BZ	4/30/2019	UG/L	ND	1	37.8434478	-122.2751266	MONITORING	14.5	72.18		EDF
T10000009600-MW-2	0	BZ	10/16/2018	UG/L	ND	1	37.8434478	-122.2751266	MONITORING	14.5	72.18		EDF
T10000009600-MW-2	0	BZ	1/15/2019	UG/L	ND	1	37.8434478	-122.2751266	MONITORING	14.5	72.18		EDF
T10000009600-MW-3	0	BZ	10/16/2018	UG/L	ND	1	37.843416	-122.2752136	MONITORING	14.53	72.32		EDF
T10000009600-MW-3	0	BZ	1/15/2019	UG/L	ND	1	37.843416	-122.2752136	MONITORING	14.53	72.32		EDF
T10000009600-MW-3	0	BZ	4/30/2019	UG/L	ND	1	37.843416	-122.2752136	MONITORING	14.53	72.32		EDF
T10000009600-MW-4	4	BZ	4/30/2019	UG/L	=	1	37.8435206	-122.2752525	MONITORING	14.02	71.98		EDF
T10000009600-MW-4	3	BZ	10/16/2018	UG/L	=	1	37.8435206	-122.2752525	MONITORING	14.02	71.98		EDF
T10000009600-MW-4	1	BZ	1/15/2019	UG/L	=	1	37.8435206	-122.2752525	MONITORING	14.02	71.98		EDF
T10000009600-MW-5	3	BZ	1/15/2019	UG/L	=	1	37.8435713	-122.2752522	MONITORING	14.9	71.84		EDF
T10000009600-MW-5	0	BZ	10/16/2018	UG/L	ND	1	37.8435713	-122.2752522	MONITORING	14.9	71.84		EDF
T10000009600-MW-5	1	BZ	4/30/2019	UG/L	=	1	37.8435713	-122.2752522	MONITORING	14.9	71.84		EDF
T10000009600-MW-6	0	BZ	1/15/2019	UG/L	ND	1	37.8436358	-122.275172	MONITORING	14.3	71.35		EDF
T10000009600-MW-6	0	BZ	4/30/2019	UG/L	ND	1	37.8436358	-122.275172	MONITORING	14.3	71.35		EDF

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T10000009600-MW-6	0.2	BZ	10/16/2018	UG/L	ND	1	37.8436358	-122.275172	MONITORING	14.3	71.35		EDF
T10000009940-MW-1	71.6	BZ	8/30/2018	UG/L	=	1	37.77711382	-122.2764581	MONITORING	15.6	7	10	EDF
T10000009940-MW-1	67.1	BZ	3/26/2019	UG/L	=	5	37.77711382	-122.2764581	MONITORING	15.6	7	10	EDF
T10000009940-MW-2A	0	BZ	8/30/2018	UG/L	ND	1	37.77693441	-122.276498	MONITORING	17.28	7	10	EDF
T10000009940-MW-2A	0	BZ	3/26/2019	UG/L	ND	1	37.77693441	-122.276498	MONITORING	17.28	7	10	EDF
T10000009940-MW-3A	0	BZ	8/30/2018	UG/L	ND	1	37.776943	-122.2762181	MONITORING	16.88	7	10	EDF
T10000009940-MW-3A	0	BZ	3/26/2019	UG/L	ND	1	37.776943	-122.2762181	MONITORING	16.88	7	10	EDF
T10000010738-EX-1	0	BZ	9/25/2018	UG/L	ND	0.5	37.81153096	-122.268594	MONITORING				EDF
T10000010738-EX-1	0	BZ	8/27/2018	UG/L	ND	0.5	37.81153096	-122.268594	MONITORING				EDF
T10000010738-EX-1	0	BZ	8/23/2018	UG/L	ND	0.5	37.81153096	-122.268594	MONITORING				EDF
T10000010738-EX-2	0	BZ	8/27/2018	UG/L	ND	0.5	37.81152387	-122.2685567	MONITORING				EDF
T10000010738-EX-2	0	BZ	9/25/2018	UG/L	ND	0.5	37.81152387	-122.2685567	MONITORING				EDF
T10000010738-EX-2	0	BZ	8/23/2018	UG/L	ND	0.5	37.81152387	-122.2685567	MONITORING				EDF
T10000010738-EX-3	0	BZ	9/25/2018	UG/L	ND	0.5	37.81154357	-122.2684701	MONITORING				EDF
T10000010738-EX-3	0	BZ	3/25/2019	UG/L	ND	0.5	37.81154357	-122.2684701	MONITORING				EDF
T10000010738-EX-3	0	BZ	8/27/2018	UG/L	ND	0.5	37.81154357	-122.2684701	MONITORING				EDF
T10000010738-EX-3	0	BZ	8/23/2018	UG/L	ND	0.5	37.81154357	-122.2684701	MONITORING				EDF
T10000010738-EX-3	0	BZ	2/21/2019	UG/L	ND	0.5	37.81154357	-122.2684701	MONITORING				EDF
T10000010738-OB-2	0	BZ	3/25/2019	UG/L	ND	0.5	37.81158983	-122.2684233	MONITORING				EDF
T10000010738-OB-2	0	BZ	2/21/2019	UG/L	ND	0.5	37.81158983	-122.2684233	MONITORING				EDF
T10000010738-OB-2	0	BZ	8/23/2018	UG/L	ND	0.5	37.81158983	-122.2684233	MONITORING				EDF
T10000010738-OB-2	0	BZ	9/25/2018	UG/L	ND	0.5	37.81158983	-122.2684233	MONITORING				EDF
T10000010738-OB-2	0	BZ	8/27/2018	UG/L	ND	0.5	37.81158983	-122.2684233	MONITORING				EDF
T10000010738-OB-4	0	BZ	8/27/2018	UG/L	ND	0.5	37.81153553	-122.2683987	MONITORING				EDF
T10000010738-OB-4	0	BZ	9/25/2018	UG/L	ND	0.5	37.81153553	-122.2683987	MONITORING				EDF
T10000010738-OB-4	0	BZ	8/23/2018	UG/L	ND	0.5	37.81153553	-122.2683987	MONITORING				EDF
T10000010738-OB-4	0	BZ	3/25/2019	UG/L	ND	0.5	37.81153553	-122.2683987	MONITORING				EDF
T10000010738-OB-4	0	BZ	2/21/2019	UG/L	ND	0.5	37.81153553	-122.2683987	MONITORING				EDF
T10000011091-MW-1	0	BZ	2/5/2019	UG/L	ND	1	37.8317301	-122.2537694	MONITORING	21.9	7	15	EDF
T10000011091-MW-1	0	BZ	11/29/2018	UG/L	ND	1	37.8317301	-122.2537694	MONITORING	21.9	7	15	EDF
T10000011091-MW-1	0	BZ	4/26/2019	UG/L	ND	1	37.8317301	-122.2537694	MONITORING	21.9	7	15	EDF

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T10000011091-MW-2	0	BZ	2/5/2019	UG/L	ND	1	37.8315767	-122.2537775	MONITORING	21.1	7	15	EDF
T10000011091-MW-2	0	BZ	11/29/2018	UG/L	ND	1	37.8315767	-122.2537775	MONITORING	21.1	7	15	EDF
T10000011091-MW-2	0	BZ	4/26/2019	UG/L	ND	1	37.8315767	-122.2537775	MONITORING	21.1	7	15	EDF
T10000011091-MW-3	0	BZ	2/5/2019	UG/L	ND	1	37.8314016	-122.2540596	MONITORING	24.69	10	15	EDF
T10000011091-MW-3	0	BZ	4/26/2019	UG/L	ND	1	37.8314016	-122.2540596	MONITORING	24.69	10	15	EDF
T10000011091-MW-3	0	BZ	11/29/2018	UG/L	ND	1	37.8314016	-122.2540596	MONITORING	24.69	10	15	EDF
T10000011211-MW-1	0	BZ	8/8/2018	UG/L	ND	1	37.645999	-122.128267	MONITORING	13.63	8	7	EDF
T10000011211-MW-1	0	BZ	3/31/2019	UG/L	ND	0.5	37.645999	-122.128267	MONITORING	13.63	8	7	EDF
T10000011211-MW-2	0	BZ	8/8/2018	UG/L	ND	1	37.6461632	-122.1280873	MONITORING	14.17	6.5	7	EDF
T10000011211-MW-2	0	BZ	3/31/2019	UG/L	ND	0.5	37.6461632	-122.1280873	MONITORING	14.17	6.5	7	EDF
T10000011211-MW-3	0	BZ	4/1/2019	UG/L	ND	0.5	37.6457435	-122.1285581	MONITORING	14.59	5	5	EDF
T10000011211-MW-3	0	BZ	8/8/2018	UG/L	ND	1	37.6457435	-122.1285581	MONITORING	14.59	5	5	EDF
T10000011211-MW-4	0	BZ	3/31/2019	UG/L	ND	0.5	37.6461337	-122.1298916	MONITORING	14.56	10	5	EDF
T10000011211-MW-4	0	BZ	8/8/2018	UG/L	ND	1	37.6461337	-122.1298916	MONITORING	14.56	10	5	EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top of Screen (FT)	Screen Length (FT)	Source
0103041-001	0	EBZ	2/26/2019	UG/L	<	UNK	37.7268594	-122.157248	MUNICIPAL		0	0	DHS
L10006224883-GW-1(A)	0	EBZ	1/8/2019	UG/L	ND	0.5	37.87298088	-122.3233184	MONITORING	49.9			EDF
L10006224883-GW-2	0	EBZ	1/8/2019	UG/L	ND	0.5	37.87011788	-122.3207845	MONITORING	49.07			EDF
L10006224883-GW-3	0	EBZ	1/8/2019	UG/L	ND	0.5	37.87153234	-122.3151463	MONITORING	37.5			EDF
L10006224883-GW-4	0	EBZ	1/8/2019	UG/L	ND	0.5	37.87387452	-122.3170825	MONITORING	45			EDF
L10006224883-GW-5	0	EBZ	1/8/2019	UG/L	ND	0.5	37.87226085	-122.3185373	MONITORING	72			EDF
L10006224883-L-4	0	EBZ	1/10/2019	UG/L	ND	0.5	37.87191501	-122.3167805	MONITORING				EDF
L10006224883-L-5	0	EBZ	1/10/2019	UG/L	ND	0.5	37.87173259	-122.3177832	MONITORING				EDF
SL0002020084-MW-1	0	EBZ	9/26/2018	UG/L	ND	10	37.7308224	-122.2105457	MONITORING	14.57			EDF
SL0002020084-MW-1	0	EBZ	3/28/2019	UG/L	ND	10	37.7308224	-122.2105457	MONITORING	14.57			EDF
SL0002020084-MW-10	0	EBZ	3/29/2019	UG/L	ND	10	37.7307169	-122.2107355	MONITORING	13.3			EDF
SL0002020084-MW-10	0	EBZ	9/27/2018	UG/L	ND	1	37.7307169	-122.2107355	MONITORING	13.3			EDF
SL0002020084-MW-11	0	EBZ	9/27/2018	UG/L	ND	1	37.7310491	-122.2110789	MONITORING	11.4			EDF
SL0002020084-MW-11	0	EBZ	3/28/2019	UG/L	ND	10	37.7310491	-122.2110789	MONITORING	11.4			EDF
SL0002020084-MW-12	0	EBZ	9/27/2018	UG/L	ND	1	37.7304608	-122.2103415	MONITORING	11.4			EDF
SL0002020084-MW-12	0	EBZ	3/29/2019	UG/L	ND	10	37.7304608	-122.2103415	MONITORING	11.4			EDF
SL0002020084-MW-13	0	EBZ	9/27/2018	UG/L	ND	1	37.7305592	-122.2104597	MONITORING	11.4			EDF
SL0002020084-MW-13	0	EBZ	3/29/2019	UG/L	ND	10	37.7305592	-122.2104597	MONITORING	11.4			EDF
SL0002020084-MW-14	0	EBZ	9/27/2018	UG/L	ND	10	37.7310147	-122.2109189	MONITORING	11.4			EDF
SL0002020084-MW-14	0	EBZ	3/29/2019	UG/L	ND	10	37.7310147	-122.2109189	MONITORING	11.4			EDF
SL0002020084-MW-2	0	EBZ	9/26/2018	UG/L	ND	5	37.7308485	-122.2104859	MONITORING	13.45			EDF
SL0002020084-MW-4	0	EBZ	3/28/2019	UG/L	ND	10	37.7308308	-122.2103829	MONITORING	13.54			EDF
SL0002020084-MW-4	0	EBZ	9/26/2018	UG/L	ND	1	37.7308308	-122.2103829	MONITORING	13.54			EDF
SL0002020084-MW-5	0	EBZ	3/28/2019	UG/L	ND	10	37.7310045	-122.2106504	MONITORING	13.24			EDF
SL0002020084-MW-5	0	EBZ	9/26/2018	UG/L	ND	1	37.7310045	-122.2106504	MONITORING	13.24			EDF
SL0002020084-MW-6	0	EBZ	3/28/2019	UG/L	ND	1	37.730918	-122.2106794	MONITORING	14.03			EDF
SL0002020084-MW-6	0	EBZ	9/26/2018	UG/L	ND	1	37.730918	-122.2106794	MONITORING	14.03			EDF
SL0002020084-MW-7	0	EBZ	9/26/2018	UG/L	ND	1	37.7310244	-122.2107759	MONITORING	13.73			EDF
SL0002020084-MW-7	0	EBZ	3/28/2019	UG/L	ND	10	37.7310244	-122.2107759	MONITORING	13.73			EDF
SL0002020084-MW-8	0	EBZ	9/26/2018	UG/L	ND	10	37.7310337	-122.2104802	MONITORING	11.4			EDF
SL0002020084-MW-8	0	EBZ	3/29/2019	UG/L	ND	10	37.7310337	-122.2104802	MONITORING	11.4			EDF
SL0002020084-MW-9	0	EBZ	9/27/2018	UG/L	ND	1	37.7306903	-122.2100941	MONITORING	13.06			EDF
SL0002020084-MW-9	0	EBZ	3/29/2019	UG/L	ND	10	37.7306903	-122.2100941	MONITORING	13.06			EDF
SL18244665-GW-10B	0	EBZ	10/1/2018	UG/L	ND	0.5	37.9424069	-122.3747428	MONITORING		120.55	20	EDF
SL18244665-GW-10C	0	EBZ	12/17/2018	UG/L	ND	0.5	37.94571257	-122.3722745	MONITORING		16.06	20	EDF
SL18244665-GW-10C	0	EBZ	12/17/2018	UG/L	ND	2.5	37.94571257	-122.3722745	MONITORING		16.06	20	EDF
SL18244665-GW-11A	0	EBZ	9/25/2018	UG/L	ND	0.5	37.9434276	-122.3739047	MONITORING		5.64	6.5	EDF
SL18244665-GW-11C	0.1	EBZ	9/25/2018	UG/L	ND	1	37.94342714	-122.3739439	MONITORING		16.42	18.3	EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top of Screen (FT)	Screen Length (FT)	Source
SL18244665-GW-12A	0	EBZ	8/7/2018	UG/L	ND	2.5	37.9451492	-122.3717197	MONITORING		5.52	12	EDF
SL18244665-GW-12A	0	EBZ	8/7/2018	UG/L	ND	0.5	37.9451492	-122.3717197	MONITORING		5.52	12	EDF
SL18244665-GW-13A	0	EBZ	8/7/2018	UG/L	ND	2.5	37.94470454	-122.3721462	MONITORING		5.75	13	EDF
SL18244665-GW-15A	0	EBZ	8/7/2018	UG/L	ND	2.5	37.94283711	-122.3734862	MONITORING		4.21	11	EDF
SL18244665-GW-15C	0	EBZ	8/20/2018	UG/L	ND	100	37.94240823	-122.3736443	MONITORING		45.96	17	EDF
SL18244665-GW-19A	0	EBZ	8/7/2018	UG/L	ND	2.5	37.94227532	-122.3722844	MONITORING		2.7	7.5	EDF
SL18244665-GW-19C	0	EBZ	8/21/2018	UG/L	ND	0.5	37.94226543	-122.37187	MONITORING		43.54	19.5	EDF
SL18244665-GW-20A	0	EBZ	8/13/2018	UG/L	ND	2.5	37.94224213	-122.3707597	MONITORING		4.64	9.5	EDF
SL18244665-GW-21C	0	EBZ	8/21/2018	UG/L	ND	0.5	37.94422319	-122.3723033	MONITORING		48.61	19.3	EDF
SL18244665-GW-22C	0	EBZ	8/23/2018	UG/L	ND	0.5	37.94274576	-122.3744984	MONITORING		43.97	20	EDF
SL18244665-GW-23C	0	EBZ	8/23/2018	UG/L	ND	0.5	37.9422953	-122.3748326	MONITORING		43.07	20	EDF
SL18244665-GW-25C	0	EBZ	9/26/2018	UG/L	ND	0.5	37.94153924	-122.3737241	MONITORING		54.51	20	EDF
SL18244665-GW-26C	0	EBZ	8/23/2018	UG/L	ND	0.5	37.94218323	-122.3749231	MONITORING		65.1	10	EDF
SL18244665-GW-40C	0	EBZ	8/28/2018	UG/L	ND	0.5	37.94562252	-122.3729223	MONITORING		31.84	15	EDF
SL18244665-GW-40C	0	EBZ	8/28/2018	UG/L	ND	2.5	37.94562252	-122.3729223	MONITORING		31.84	15	EDF
SL18244665-GW-6B-2	0	EBZ	9/26/2018	UG/L	ND	0.5	37.94493217	-122.3736841	MONITORING		108.99	20	EDF
SL18244665-GW-6C-1	0	EBZ	8/28/2018	UG/L	ND	0.5	37.94450788	-122.3737154	MONITORING		23.29	20	EDF
SL18244665-GW-7A	0	EBZ	8/8/2018	UG/L	ND	2.5	37.94410917	-122.3670541	MONITORING		8.79	18	EDF
SL18244665-GW-7A	0	EBZ	8/8/2018	UG/L	ND	0.5	37.94410917	-122.3670541	MONITORING		8.79	18	EDF
SL18244665-GW-7B	0	EBZ	9/19/2018	UG/L	ND	0.5	37.94393562	-122.3671182	MONITORING		121.01	16	EDF
SL18244665-GW-7B	0	EBZ	9/19/2018	UG/L	ND	2.5	37.94393562	-122.3671182	MONITORING		121.01	16	EDF
SL18244665-GW-7C	0	EBZ	8/20/2018	UG/L	ND	0.5	37.94404005	-122.3670343	MONITORING		33.71	20	EDF
SL18244665-GW-8A	0	EBZ	8/13/2018	UG/L	ND	0.5	37.94248218	-122.3683813	MONITORING		7.39	19	EDF
SL18244665-GW-8C	0	EBZ	8/20/2018	UG/L	ND	0.5	37.94244141	-122.3684697	MONITORING		43.25	20	EDF
SL18344764-MW-15A	0	EBZ	8/6/2018	UG/L	ND	0.5	37.7427836	-122.1514643	MONITORING	25.87	16	10	EDF
SL18344764-MW-15B	0	EBZ	8/6/2018	UG/L	ND	50	37.7427775	-122.1514593	MONITORING	48.93	39	10	EDF
SL20244862-AMW-11BR	0	EBZ	8/16/2018	UG/L	ND	0.5	37.7658117	-122.2232405	MONITORING				EDF
SL20244862-AMW-11BR	0	EBZ	1/30/2019	UG/L	ND	0.5	37.7658117	-122.2232405	MONITORING				EDF
SL20244862-AMW-13AR	0	EBZ	8/17/2018	UG/L	ND	0.5	37.7666675	-122.2235634	MONITORING		10	8	EDF
SL20244862-AMW-13AR	0	EBZ	1/29/2019	UG/L	ND	0.5	37.7666675	-122.2235634	MONITORING		10	8	EDF
SL20244862-AMW-13B	0	EBZ	1/29/2019	UG/L	ND	0.5	37.7666722	-122.2235346	MONITORING				EDF
SL20244862-AMW-13B	2.3	EBZ	8/16/2018	UG/L	=	0.5	37.7666722	-122.2235346	MONITORING				EDF
SL20244862-AMW-14B	170	EBZ	8/16/2018	UG/L	=	10	37.7662006	-122.2237995	MONITORING		27	10	EDF
SL20244862-AMW-14B	0	EBZ	1/28/2019	UG/L	ND	1	37.7662006	-122.2237995	MONITORING		27	10	EDF
SL20244862-AMW-17A	0	EBZ	1/29/2019	UG/L	ND	0.5	37.766592	-122.2237993	MONITORING		10	8	EDF
SL20244862-AMW-17B	0	EBZ	1/29/2019	UG/L	ND	0.5	37.7665997	-122.223806	MONITORING		26	10	EDF
SL20244862-AMW-17B	0	EBZ	8/16/2018	UG/L	ND	0.5	37.7665997	-122.223806	MONITORING		26	10	EDF
SL20244862-AMW-18B	0	EBZ	1/28/2019	UG/L	ND	0.5	37.7662123	-122.2238961	MONITORING				EDF

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SL20244862-AMW-18B	0	EBZ	8/17/2018	UG/L	ND	0.5	37.7662123	-122.2238961	MONITORING				EDF
SL20244862-AMW-1A	0	EBZ	1/30/2019	UG/L	ND	0.5	37.766695	-122.224039	MONITORING				EDF
SL20244862-AMW-1A	0	EBZ	8/17/2018	UG/L	ND	0.5	37.766695	-122.224039	MONITORING				EDF
SL20244862-AMW-1B	0	EBZ	11/9/2018	UG/L	ND	0.5	37.7666866	-122.2240268	MONITORING				EDF
SL20244862-AMW-1B	0	EBZ	1/30/2019	UG/L	ND	0.5	37.7666866	-122.2240268	MONITORING				EDF
SL20244862-AMW-1B	0	EBZ	8/17/2018	UG/L	ND	0.5	37.7666866	-122.2240268	MONITORING				EDF
SL20244862-AMW-2B	390	EBZ	1/29/2019	UG/L	=	50	37.7665343	-122.2238173	MONITORING		27.95		EDF
SL20244862-AMW-2B	68	EBZ	8/17/2018	UG/L	=	2.5	37.7665343	-122.2238173	MONITORING		27.95		EDF
SL20244862-AMW-3A	0	EBZ	8/16/2018	UG/L	ND	0.5	37.7665503	-122.2244457	MONITORING		7.75		EDF
SL20244862-AMW-3B	0	EBZ	11/9/2018	UG/L	ND	50	37.7665564	-122.2244535	MONITORING		21.75		EDF
SL20244862-AMW-3B	0	EBZ	1/28/2019	UG/L	ND	100	37.7665564	-122.2244535	MONITORING		21.75		EDF
SL20244862-AMW-3B	0	EBZ	8/17/2018	UG/L	ND	200	37.7665564	-122.2244535	MONITORING		21.75		EDF
SL20244862-AMW-4A	0	EBZ	1/30/2019	UG/L	ND	0.5	37.7662836	-122.2241343	MONITORING		6.82		EDF
SL20244862-AMW-4B	0.51	EBZ	8/17/2018	UG/L	=	0.5	37.7662928	-122.2241481	MONITORING		22.89		EDF
SL20244862-AMW-4B	3.4	EBZ	11/9/2018	UG/L	=	0.5	37.7662928	-122.2241481	MONITORING		22.89		EDF
SL20244862-AMW-4B	2.2	EBZ	1/28/2019	UG/L	=	0.5	37.7662928	-122.2241481	MONITORING		22.89		EDF
SL20244862-AMW-5AR	0	EBZ	1/30/2019	UG/L	ND	0.5	37.7660134	-122.2236205	MONITORING		10	8	EDF
SL20244862-AMW-5AR	450	EBZ	8/16/2018	UG/L	=	50	37.7660134	-122.2236205	MONITORING		10	8	EDF
SL20244862-AMW-5B	0	EBZ	1/30/2019	UG/L	ND	0.5	37.766014	-122.2236072	MONITORING		23		EDF
SL20244862-AMW-5B	0	EBZ	8/17/2018	UG/L	ND	0.5	37.766014	-122.2236072	MONITORING		23		EDF
SL20244862-AMW-7B	0	EBZ	1/28/2019	UG/L	ND	0.5	37.7669555	-122.2238839	MONITORING		24		EDF
SL20244862-AMW-7B	0	EBZ	8/16/2018	UG/L	ND	0.5	37.7669555	-122.2238839	MONITORING		24		EDF
SL20244862-AMW-9B	2.7	EBZ	1/28/2019	UG/L	=	2	37.7661133	-122.2233412	MONITORING		23.8		EDF
SL20244862-AMW-9B	9.5	EBZ	8/17/2018	UG/L	=	2	37.7661133	-122.2233412	MONITORING		23.8		EDF
SL20244862-APZ-1B	0	EBZ	1/28/2019	UG/L	ND	0.5	37.7661732	-122.2237508	MONITORING				EDF
SL20244862-PZ-2	0	EBZ	8/17/2018	UG/L	ND	0.5	37.7666071	-122.2237795	MONITORING				EDF
SL20244862-PZ-2	0	EBZ	1/29/2019	UG/L	ND	0.5	37.7666071	-122.2237795	MONITORING				EDF
SL374211188-MW-10	0	EBZ	1/17/2019	UG/L	ND	0.5	37.916958	-122.3669297	MONITORING	14.32			EDF
SL374211188-MW-10	0	EBZ	10/31/2018	UG/L	ND	0.5	37.916958	-122.3669297	MONITORING	14.32			EDF
SL374211188-MW-10	0	EBZ	8/6/2018	UG/L	ND	0.5	37.916958	-122.3669297	MONITORING	14.32			EDF
SL374211188-MW-11	0	EBZ	11/1/2018	UG/L	ND	0.5	37.916676	-122.3668027	MONITORING	18.8			EDF
SL374211188-MW-11	0	EBZ	1/17/2019	UG/L	ND	0.5	37.916676	-122.3668027	MONITORING	18.8			EDF
SL374211188-MW-11	0	EBZ	8/7/2018	UG/L	ND	0.5	37.916676	-122.3668027	MONITORING	18.8			EDF
SL374211188-MW-12	0	EBZ	8/7/2018	UG/L	ND	0.5	37.9166706	-122.3666519	MONITORING	14.21			EDF
SL374211188-MW-12	0	EBZ	1/17/2019	UG/L	ND	0.5	37.9166706	-122.3666519	MONITORING	14.21			EDF
SL374211188-MW-12	0	EBZ	11/1/2018	UG/L	ND	0.5	37.9166706	-122.3666519	MONITORING	14.21			EDF
SL374211188-MW-13	0	EBZ	11/1/2018	UG/L	ND	0.5	37.916666	-122.3665121	MONITORING	9.88			EDF
SL374211188-MW-14	0	EBZ	11/1/2018	UG/L	ND	0.5	37.91667	-122.3663603	MONITORING	10.5			EDF

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SL374211188-MW-16	0	EBZ	8/7/2018	UG/L	ND	0.5	37.9164683	-122.3660472	MONITORING	7.92			EDF
SL374211188-MW-16	0	EBZ	11/1/2018	UG/L	ND	0.5	37.9164683	-122.3660472	MONITORING	7.92			EDF
SL374211188-MW-16	0	EBZ	1/17/2019	UG/L	ND	0.5	37.9164683	-122.3660472	MONITORING	7.92			EDF
SL374211188-MW-18	0	EBZ	8/7/2018	UG/L	ND	0.5	37.9161799	-122.365978	MONITORING	10.25			EDF
SL374211188-MW-18	0	EBZ	10/31/2018	UG/L	ND	0.5	37.9161799	-122.365978	MONITORING	10.25			EDF
SL374211188-MW-18	0	EBZ	1/17/2019	UG/L	ND	0.5	37.9161799	-122.365978	MONITORING	10.25			EDF
SL374211188-MW-20	0	EBZ	8/7/2018	UG/L	ND	0.5	37.9166269	-122.3660268	MONITORING	11.9			EDF
SL374211188-MW-20	0	EBZ	1/17/2019	UG/L	ND	0.5	37.9166269	-122.3660268	MONITORING	11.9			EDF
SL374211188-MW-20	0	EBZ	11/1/2018	UG/L	ND	0.5	37.9166269	-122.3660268	MONITORING	11.9			EDF
SL374211188-MW-21	0	EBZ	10/31/2018	UG/L	ND	0.5	37.9166656	-122.3658416	MONITORING	22.46			EDF
SL374211188-MW-21	0	EBZ	8/7/2018	UG/L	ND	0.5	37.9166656	-122.3658416	MONITORING	22.46			EDF
SL374211188-MW-21	0	EBZ	1/17/2019	UG/L	ND	0.5	37.9166656	-122.3658416	MONITORING	22.46			EDF
SL374211188-MW-22	0	EBZ	1/17/2019	UG/L	ND	0.5	37.9154816	-122.3655665	MONITORING	7.63			EDF
SL374211188-MW-22	0	EBZ	11/1/2018	UG/L	ND	0.5	37.9154816	-122.3655665	MONITORING	7.63			EDF
SL374211188-MW-22	0	EBZ	8/7/2018	UG/L	ND	0.5	37.9154816	-122.3655665	MONITORING	7.63			EDF
SL374211188-MW-23	0	EBZ	8/6/2018	UG/L	ND	0.5	37.9146628	-122.3654886	MONITORING	9.65			EDF
SL374211188-MW-23	0	EBZ	10/31/2018	UG/L	ND	0.5	37.9146628	-122.3654886	MONITORING	9.65			EDF
SL374211188-MW-23	0	EBZ	1/16/2019	UG/L	ND	0.5	37.9146628	-122.3654886	MONITORING	9.65			EDF
SL374211188-MW-24	0	EBZ	11/1/2018	UG/L	ND	0.5	37.914886	-122.3657611	MONITORING	8.49	3.5	10	EDF
SL374211188-MW-24	0	EBZ	8/7/2018	UG/L	ND	0.5	37.914886	-122.3657611	MONITORING	8.49	3.5	10	EDF
SL374211188-MW-24	0	EBZ	1/17/2019	UG/L	ND	0.5	37.914886	-122.3657611	MONITORING	8.49	3.5	10	EDF
SL374211188-MW-25	0	EBZ	1/17/2019	UG/L	ND	0.5	37.914611	-122.3657607	MONITORING	12.6	2.5	10	EDF
SL374211188-MW-25	0	EBZ	10/31/2018	UG/L	ND	0.5	37.914611	-122.3657607	MONITORING	12.6	2.5	10	EDF
SL374211188-MW-25	0	EBZ	8/6/2018	UG/L	ND	0.5	37.914611	-122.3657607	MONITORING	12.6	2.5	10	EDF
SL374211188-MW-26	0	EBZ	8/6/2018	UG/L	ND	0.5	37.91443	-122.36574	MONITORING	12.2	3	10	EDF
SL374211188-MW-26	0	EBZ	10/31/2018	UG/L	ND	0.5	37.91443	-122.36574	MONITORING	12.2	3	10	EDF
SL374211188-MW-26	0	EBZ	1/17/2019	UG/L	ND	0.5	37.91443	-122.36574	MONITORING	12.2	3	10	EDF
SL374211188-MW-27	0	EBZ	11/1/2018	UG/L	ND	0.5	37.9150943	-122.3655451	MONITORING	14.9	3	12	EDF
SL374211188-MW-27	0	EBZ	1/17/2019	UG/L	ND	0.5	37.9150943	-122.3655451	MONITORING	14.9	3	12	EDF
SL374211188-MW-27	0	EBZ	8/6/2018	UG/L	ND	0.5	37.9150943	-122.3655451	MONITORING	14.9	3	12	EDF
SL374211188-MW-28	0	EBZ	10/31/2018	UG/L	ND	0.5	37.9168946	-122.3662628	MONITORING	14.9	3	12	EDF
SL374211188-MW-28	0	EBZ	1/17/2019	UG/L	ND	0.5	37.9168946	-122.3662628	MONITORING	14.9	3	12	EDF
SL374211188-MW-28	0	EBZ	8/6/2018	UG/L	ND	0.5	37.9168946	-122.3662628	MONITORING	14.9	3	12	EDF
SL374211188-MW-3	0	EBZ	1/17/2019	UG/L	ND	0.5	37.91428	-122.3668806	MONITORING	9.01			EDF
SL374211188-MW-3	0.64	EBZ	8/7/2018	UG/L	=	0.5	37.91428	-122.3668806	MONITORING	9.01			EDF
SL374211188-MW-3	0	EBZ	10/31/2018	UG/L	ND	0.5	37.91428	-122.3668806	MONITORING	9.01			EDF
SL374211188-MW-5	0	EBZ	1/17/2019	UG/L	ND	0.5	37.917632	-122.3671446	MONITORING	8.6			EDF
SL374211188-MW-5	0	EBZ	8/6/2018	UG/L	ND	0.5	37.917632	-122.3671446	MONITORING	8.6			EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top of Screen (FT)	Screen Length (FT)	Source
SL374211188-MW-5	0	EBZ	10/31/2018	UG/L	ND	0.5	37.917632	-122.3671446	MONITORING	8.6			EDF
SL374211188-MW-6	0	EBZ	10/31/2018	UG/L	ND	0.5	37.9172709	-122.3709288	MONITORING	14.45			EDF
SL374211188-MW-7	0	EBZ	10/31/2018	UG/L	ND	0.5	37.9145078	-122.367912	MONITORING	11.05			EDF
SL374211188-MW-8	0	EBZ	1/17/2019	UG/L	ND	0.5	37.9161588	-122.366502	MONITORING	13.03			EDF
SL374211188-MW-8	0	EBZ	8/7/2018	UG/L	ND	0.5	37.9161588	-122.366502	MONITORING	13.03			EDF
SL374211188-MW-8	0	EBZ	10/31/2018	UG/L	ND	0.5	37.9161588	-122.366502	MONITORING	13.03			EDF
SL374211188-MW-9	0	EBZ	10/31/2018	UG/L	ND	0.5	37.9158112	-122.3670172	MONITORING	14.65			EDF
SL374211188-RW-11	0	EBZ	10/31/2018	UG/L	ND	0.5	37.9157873	-122.3664703	MONITORING	14.76	3	12	EDF
SL374211188-RW-13	0	EBZ	10/31/2018	UG/L	ND	0.5	37.9154955	-122.3664953	MONITORING	12.58	3	12	EDF
SL374211188-RW-13	0	EBZ	1/17/2019	UG/L	ND	0.5	37.9154955	-122.3664953	MONITORING	12.58	3	12	EDF
SL374211188-RW-13	0	EBZ	8/6/2018	UG/L	ND	0.5	37.9154955	-122.3664953	MONITORING	12.58	3	12	EDF
SL374211188-RW-15	0.68	EBZ	8/7/2018	UG/L	=	0.5	37.914245	-122.3663342	MONITORING	6.2	2.5	5	EDF
SL374211188-RW-15	0	EBZ	1/17/2019	UG/L	ND	0.5	37.914245	-122.3663342	MONITORING	6.2	2.5	5	EDF
SL374211188-RW-15	0	EBZ	11/1/2018	UG/L	ND	0.5	37.914245	-122.3663342	MONITORING	6.2	2.5	5	EDF
SL374211188-RW-16	0	EBZ	1/17/2019	UG/L	ND	0.5	37.9145961	-122.3661333	MONITORING	5.13	2.5	5	EDF
SL374211188-RW-17	0	EBZ	1/17/2019	UG/L	ND	0.5	37.914242	-122.3666158	MONITORING	7.11	2.5	5	EDF
SL374211188-RW-17	0	EBZ	11/1/2018	UG/L	ND	0.5	37.914242	-122.3666158	MONITORING	7.11	2.5	5	EDF
SL374211188-RW-17	0	EBZ	8/7/2018	UG/L	ND	0.5	37.914242	-122.3666158	MONITORING	7.11	2.5	5	EDF
SL374211188-RW-18	0	EBZ	10/31/2018	UG/L	ND	0.5	37.914851	-122.3673967	MONITORING	7.72	2.5	5	EDF
SL374211188-RW-19	0	EBZ	10/31/2018	UG/L	ND	0.5	37.9151865	-122.3664937	MONITORING	13.2	2.5	12.5	EDF
SL374211188-RW-2	0	EBZ	11/1/2018	UG/L	ND	0.5	37.9154109	-122.3668299	MONITORING	8.05	3	5	EDF
SL374211188-RW-20	0	EBZ	10/31/2018	UG/L	ND	0.5	37.9153646	-122.3673763	MONITORING	7.44	3	5	EDF
SL374211188-RW-21	0	EBZ	10/31/2018	UG/L	ND	0.5	37.9141655	-122.3678046	MONITORING	8.3	3	5	EDF
SL374211188-RW-21	0	EBZ	1/17/2019	UG/L	ND	0.5	37.9141655	-122.3678046	MONITORING	8.3	3	5	EDF
SL374211188-RW-21	0	EBZ	8/6/2018	UG/L	ND	0.5	37.9141655	-122.3678046	MONITORING	8.3	3	5	EDF
SL374211188-RW-22	0	EBZ	10/31/2018	UG/L	ND	0.5	37.9161735	-122.3671079	MONITORING	7.7	2.5	5	EDF
SL374211188-RW-23	0	EBZ	10/31/2018	UG/L	ND	0.5	37.9141622	-122.3686021	MONITORING	8.07	2.5	5	EDF
SL374211188-RW-24	0	EBZ	10/31/2018	UG/L	ND	0.5	37.9144164	-122.3693399	MONITORING	7.62	2.5	5	EDF
SL374211188-RW-3	0	EBZ	8/7/2018	UG/L	ND	0.5	37.9157416	-122.3658083	MONITORING	6.94	3	5	EDF
SL374211188-RW-3	0	EBZ	11/1/2018	UG/L	ND	0.5	37.9157416	-122.3658083	MONITORING	6.94	3	5	EDF
SL374211188-RW-3	0	EBZ	1/17/2019	UG/L	ND	0.5	37.9157416	-122.3658083	MONITORING	6.94	3	5	EDF
SL374211188-RW-4	0	EBZ	1/17/2019	UG/L	ND	0.5	37.9163577	-122.3673581	MONITORING	7.2	2	5	EDF
SL374211188-RW-4	0	EBZ	8/6/2018	UG/L	ND	0.5	37.9163577	-122.3673581	MONITORING	7.2	2	5	EDF
SL374211188-RW-4	0	EBZ	11/1/2018	UG/L	ND	0.5	37.9163577	-122.3673581	MONITORING	7.2	2	5	EDF
SL374211188-RW-5	0	EBZ	8/7/2018	UG/L	ND	0.5	37.915164	-122.3658226	MONITORING	6.71	2	5	EDF
SL374211188-RW-5	0	EBZ	1/17/2019	UG/L	ND	0.5	37.915164	-122.3658226	MONITORING	6.71	2	5	EDF
SL374211188-RW-5	0	EBZ	11/1/2018	UG/L	ND	0.5	37.915164	-122.3658226	MONITORING	6.71	2	5	EDF
SL374211188-RW-6	0	EBZ	10/31/2018	UG/L	ND	0.5	37.9144291	-122.3657396	MONITORING	6.35	2	5	EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top of Screen (FT)	Screen Length (FT)	Source
SL374211188-RW-6	0	EBZ	1/17/2019	UG/L	ND	0.5	37.9144291	-122.3657396	MONITORING	6.35	2	5	EDF
SL374211188-RW-6	0	EBZ	8/6/2018	UG/L	ND	0.5	37.9144291	-122.3657396	MONITORING	6.35	2	5	EDF
SL374211188-RW-7	0	EBZ	10/31/2018	UG/L	ND	0.5	37.9144123	-122.3663072	MONITORING	7.03	2	6	EDF
SL374211188-RW-9	0	EBZ	10/31/2018	UG/L	ND	0.5	37.914245	-122.3658639	MONITORING	7.5	2	6	EDF
SL374211188-RW-9	0	EBZ	1/17/2019	UG/L	ND	0.5	37.914245	-122.3658639	MONITORING	7.5	2	6	EDF
SL374211188-RW-9	0	EBZ	8/7/2018	UG/L	ND	0.5	37.914245	-122.3658639	MONITORING	7.5	2	6	EDF
SL599992806-MW-4R	0	EBZ	10/16/2018	UG/L	ND	0.5	37.7131936	-122.2025917	MONITORING		3	10	EDF
SL599992806-MW-5R	0	EBZ	10/16/2018	UG/L	ND	0.5	37.7132446	-122.2024901	MONITORING		3	10	EDF
SL599992806-MW-8	0	EBZ	10/16/2018	UG/L	ND	0.5	37.7131393	-122.2028435	MONITORING		7.46	15	EDF
SL599992806-MW-9	0	EBZ	10/16/2018	UG/L	ND	0.5	37.713333	-122.2021752	MONITORING		5.29	15	EDF
SL599992806-PMW-1	0	EBZ	10/16/2018	UG/L	ND	0.5	37.7132267	-122.2027584	MONITORING		4	6	EDF
SL599992806-PMW-2	0	EBZ	10/16/2018	UG/L	ND	0.5	37.7132671	-122.2026146	MONITORING		3	6	EDF
SL599992806-PMW-3	0	EBZ	10/16/2018	UG/L	ND	0.5	37.7133181	-122.2024112	MONITORING		3	6	EDF
SL599992806-PMW-4	0	EBZ	10/16/2018	UG/L	ND	0.5	37.7132099	-122.2027535	MONITORING		10	2	EDF
SL599992806-PMW-5	0	EBZ	10/16/2018	UG/L	ND	0.5	37.7133034	-122.2024159	MONITORING		10	2	EDF
SL600192789-LMW-1	0	EBZ	3/6/2019	UG/L	ND	0.5	37.77155139	-122.2345601	MONITORING		18	5	EDF
SL600192789-LMW-10	0	EBZ	3/6/2019	UG/L	ND	0.5	37.77110222	-122.233291	MONITORING		17	5	EDF
SL600192789-LMW-10	0	EBZ	10/29/2018	UG/L	ND	0.5	37.77110222	-122.233291	MONITORING		17	5	EDF
SL600192789-LMW-11	0	EBZ	3/6/2019	UG/L	ND	0.5	37.77105135	-122.2331784	MONITORING		17.5	5	EDF
SL600192789-LMW-12	0	EBZ	3/6/2019	UG/L	ND	0.5	37.77086832	-122.2329368	MONITORING		16	5	EDF
SL600192789-LMW-13	15	EBZ	10/29/2018	UG/L	=	10	37.77124549	-122.2329247	MONITORING		16.5	5	EDF
SL600192789-LMW-13	0	EBZ	3/6/2019	UG/L	ND	10	37.77124549	-122.2329247	MONITORING		16.5	5	EDF
SL600192789-LMW-13	13	EBZ	10/29/2018	UG/L	=	10	37.77124549	-122.2329247	MONITORING		16.5	5	EDF
SL600192789-LMW-14	0	EBZ	3/6/2019	UG/L	ND	0.5	37.77179201	-122.2341865	MONITORING		18	5	EDF
SL600192789-LMW-15	0	EBZ	3/6/2019	UG/L	ND	0.5	37.7716536	-122.2338146	MONITORING		18	5	EDF
SL600192789-LMW-16	0	EBZ	10/29/2018	UG/L	ND	5	37.77150321	-122.2334078	MONITORING		18	5	EDF
SL600192789-LMW-16	0.65	EBZ	3/6/2019	UG/L	=	0.5	37.77150321	-122.2334078	MONITORING		18	5	EDF
SL600192789-LMW-17	0	EBZ	3/6/2019	UG/L	ND	0.5	37.77153587	-122.2327465	MONITORING		18	5	EDF
SL600192789-LMW-18	0	EBZ	3/6/2019	UG/L	ND	0.5	37.77194965	-122.2332729	MONITORING		13	5	EDF
SL600192789-LMW-19	0	EBZ	3/6/2019	UG/L	ND	0.5	37.77105475	-122.2327216	MONITORING		11	5	EDF
SL600192789-LMW-2	0	EBZ	3/6/2019	UG/L	ND	0.5	37.77146119	-122.2343294	MONITORING		17.5	5	EDF
SL600192789-LMW-3	0	EBZ	3/6/2019	UG/L	ND	0.5	37.77141021	-122.2342518	MONITORING		17.5	5	EDF
SL600192789-LMW-4	0	EBZ	3/6/2019	UG/L	ND	0.5	37.77136935	-122.2341051	MONITORING		17.5	5	EDF
SL600192789-LMW-5	0	EBZ	3/6/2019	UG/L	ND	10	37.77134557	-122.2339439	MONITORING		17.5	5	EDF
SL600192789-LMW-6	0	EBZ	3/6/2019	UG/L	ND	0.5	37.77132132	-122.2337996	MONITORING		17	5	EDF
SL600192789-LMW-7	0	EBZ	3/6/2019	UG/L	ND	10	37.77127497	-122.2336846	MONITORING		17.5	5	EDF
SL600192789-LMW-8	0.6	EBZ	3/6/2019	UG/L	=	0.5	37.77122855	-122.233554	MONITORING		17	5	EDF
SL600192789-LMW-9	0	EBZ	3/6/2019	UG/L	ND	0.5	37.77117615	-122.2334264	MONITORING		17	5	EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top of Screen (FT)	Screen Length (FT)	Source
SLT2O07076-MW-17	0	EBZ	10/26/2018	UG/L	ND	1	37.8390419	-122.2911715	MONITORING				EDF
SLT2O07076-MW-18	0	EBZ	10/26/2018	UG/L	ND	1	37.8389902	-122.2914482	MONITORING				EDF
SLT2O07076-MW-19A	0	EBZ	10/26/2018	UG/L	ND	1	37.8389341	-122.2917242	MONITORING				EDF
SLT2O07076-MWX-10A	0	EBZ	10/26/2018	UG/L	ND	1	37.8391195	-122.2917202	MONITORING				EDF
SLT2O07076-MWX-3	0	EBZ	10/26/2018	UG/L	ND	2	37.8390958	-122.2913732	MONITORING				EDF
SLT2O07076-MWX-6	0	EBZ	10/26/2018	UG/L	ND	1	37.8388625	-122.2924265	MONITORING				EDF
SLT2O07076-MWX-8	0	EBZ	10/26/2018	UG/L	ND	1	37.83899	-122.2917935	MONITORING				EDF
SLT2O07076-MWX-9	0	EBZ	10/26/2018	UG/L	ND	1	37.8388923	-122.2922482	MONITORING				EDF
SLT2O235331-EX-1	0	EBZ	3/28/2019	UG/L	ND	0.5	37.922585	-122.368065	MONITORING		5	7	EDF
SLT2O235331-EX-2	0	EBZ	3/28/2019	UG/L	ND	0.5	37.92205	-122.368057	MONITORING		5	7	EDF
SLT2O235331-EX-3	0	EBZ	3/26/2019	UG/L	ND	0.5	37.921385	-122.368059	MONITORING		5	7	EDF
SLT2O235331-EX-4	0	EBZ	3/28/2019	UG/L	ND	0.5	37.920877	-122.36826	MONITORING		5	7	EDF
SLT2O235331-EX-5	0	EBZ	3/28/2019	UG/L	ND	0.5	37.921231	-122.368761	MONITORING		5	7	EDF
SLT2O235331-EX-6	0	EBZ	3/28/2019	UG/L	ND	0.5	37.921977	-122.370029	MONITORING		5	7	EDF
SLT2O235331-EX-7	0	EBZ	3/28/2019	UG/L	ND	0.5	37.92166	-122.369511	MONITORING		5	7	EDF
SLT2O235331-MW-29	0	EBZ	3/21/2019	UG/L	ND	0.5	37.9210477	-122.3687638	MONITORING				EDF
SLT2O235331-MW-30	0	EBZ	3/21/2019	UG/L	ND	0.5	37.9217339	-122.3698291	MONITORING				EDF
SLT2O235331-MW-31	0.7	EBZ	3/21/2019	UG/L	=	0.5	37.922703	-122.3702785	MONITORING				EDF
SLT2O235331-MW-32	0	EBZ	3/22/2019	UG/L	ND	0.5	37.9243976	-122.3694939	MONITORING				EDF
SLT2O235331-MW-33	0	EBZ	3/27/2019	UG/L	ND	0.5	37.9230177	-122.3692868	MONITORING				EDF
SLT2O235331-MW-34	0	EBZ	3/22/2019	UG/L	ND	0.5	37.9238846	-122.3694716	MONITORING				EDF
SLT2O235331-MW-35	0	EBZ	3/27/2019	UG/L	ND	1	37.9216703	-122.3679857	MONITORING				EDF
SLT2O235331-MW-39	0	EBZ	3/22/2019	UG/L	ND	0.5	37.92284443	-122.3681824	MONITORING		3	10	EDF
SLT2O235331-MW-40	0	EBZ	3/22/2019	UG/L	ND	0.5	37.92312302	-122.3682621	MONITORING		2	10	EDF
SLT2O235331-MW-41	0	EBZ	3/26/2019	UG/L	ND	0.5	37.92312197	-122.3685082	MONITORING		2	10	EDF
SLT2O235331-OW-1	0	EBZ	3/27/2019	UG/L	ND	0.5	37.9222141	-122.3689796	MONITORING				EDF
SLT2O235331-OW-12	0	EBZ	3/27/2019	UG/L	ND	0.5	37.9225709	-122.3695204	MONITORING				EDF
SLT2O235331-OW-16R	0	EBZ	3/27/2019	UG/L	ND	2.5	37.9227091	-122.3701448	MONITORING		3	5	EDF
SLT2O235331-OW-17	0	EBZ	3/27/2019	UG/L	ND	0.5	37.9242575	-122.3702486	MONITORING				EDF
SLT2O235331-OW-18	0	EBZ	3/27/2019	UG/L	ND	0.5	37.9237161	-122.3700539	MONITORING				EDF
SLT2O235331-OW-19	0	EBZ	3/22/2019	UG/L	ND	0.5	37.9250696	-122.3699802	MONITORING				EDF
SLT2O235331-OW-21	0	EBZ	3/22/2019	UG/L	ND	1	37.9236958	-122.3689612	MONITORING				EDF
SLT2O235331-OW-23	0	EBZ	3/22/2019	UG/L	ND	0.5	37.9236369	-122.3680458	MONITORING				EDF
SLT2O235331-OW-24	0	EBZ	3/22/2019	UG/L	ND	2.5	37.9227526	-122.3680047	MONITORING				EDF
SLT2O235331-OW-8	0	EBZ	3/27/2019	UG/L	ND	0.5	37.921862	-122.3680887	MONITORING				EDF
SLT2O235331-OW-9	0	EBZ	3/27/2019	UG/L	ND	0.5	37.9216567	-122.3685854	MONITORING				EDF
T0600100023-MW-1	110	EBZ	4/5/2019	UG/L	=	5	37.6657543	-122.1110476	MONITORING	24.59	10	15	EDF
T0600100023-MW-1	42	EBZ	10/17/2018	UG/L	=	5	37.6657543	-122.1110476	MONITORING	24.59	10	15	EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top of Screen (FT)	Screen Length (FT)	Source
T0600100023-MW-10	0	EBZ	10/16/2018	UG/L	ND	0.5	37.665572	-122.1116717	MONITORING	22.89	10	15	EDF
T0600100023-MW-10	0	EBZ	4/5/2019	UG/L	ND	0.5	37.665572	-122.1116717	MONITORING	22.89	10	15	EDF
T0600100023-MW-11	0	EBZ	10/17/2018	UG/L	ND	0.5	37.6659563	-122.1115286	MONITORING	24.58	10	15	EDF
T0600100023-MW-11	0	EBZ	4/5/2019	UG/L	ND	0.5	37.6659563	-122.1115286	MONITORING	24.58	10	15	EDF
T0600100023-MW-12	3.6	EBZ	10/16/2018	UG/L	=	1	37.6662062	-122.1110086	MONITORING	24.43	10	25	EDF
T0600100023-MW-12	4.7	EBZ	4/5/2019	UG/L	=	1	37.6662062	-122.1110086	MONITORING	24.43	10	25	EDF
T0600100023-MW-2	5.1	EBZ	10/17/2018	UG/L	=	2.5	37.6657543	-122.1111421	MONITORING	24.77	10	15	EDF
T0600100023-MW-2	38	EBZ	4/8/2019	UG/L	=	2.5	37.6657543	-122.1111421	MONITORING	24.77	10	15	EDF
T0600100023-MW-3	0	EBZ	4/5/2019	UG/L	ND	0.5	37.6657741	-122.1109271	MONITORING	24.49	10	15	EDF
T0600100023-MW-3	0	EBZ	10/16/2018	UG/L	ND	0.5	37.6657741	-122.1109271	MONITORING	24.49	10	15	EDF
T0600100023-MW-4	0	EBZ	4/5/2019	UG/L	ND	0.5	37.6658586	-122.111072	MONITORING	24.76	10	15	EDF
T0600100023-MW-4	0	EBZ	10/17/2018	UG/L	ND	0.5	37.6658586	-122.111072	MONITORING	24.76	10	15	EDF
T0600100023-MW-5	30	EBZ	10/17/2018	UG/L	=	5	37.6658838	-122.1113597	MONITORING	23.7	10	15	EDF
T0600100023-MW-5	23	EBZ	4/8/2019	UG/L	=	5	37.6658838	-122.1113597	MONITORING	23.7	10	15	EDF
T0600100023-MW-6	56	EBZ	4/8/2019	UG/L	=	10	37.6657995	-122.1113563	MONITORING	23.84	10	15	EDF
T0600100023-MW-6	72	EBZ	10/17/2018	UG/L	=	10	37.6657995	-122.1113563	MONITORING	23.84	10	15	EDF
T0600100023-MW-7	0	EBZ	10/17/2018	UG/L	ND	0.5	37.6659687	-122.1109735	MONITORING	26.91	11.8	15	EDF
T0600100023-MW-7	0	EBZ	4/5/2019	UG/L	ND	0.5	37.6659687	-122.1109735	MONITORING	26.91	11.8	15	EDF
T0600100023-MW-8	0	EBZ	10/17/2018	UG/L	ND	2.5	37.6659573	-122.1111887	MONITORING	21.1	10	15	EDF
T0600100023-MW-8	0	EBZ	4/5/2019	UG/L	ND	2.5	37.6659573	-122.1111887	MONITORING	21.1	10	15	EDF
T0600100023-MW-9	0	EBZ	10/16/2018	UG/L	ND	0.5	37.665776	-122.1116849	MONITORING	23.59	10	15	EDF
T0600100023-MW-9	0	EBZ	4/5/2019	UG/L	ND	0.5	37.665776	-122.1116849	MONITORING	23.59	10	15	EDF
T0600100106-MW-1	0	EBZ	9/12/2018	UG/L	ND	0.5	37.8505529	-122.2609217	MONITORING				EDF
T0600100106-MW-1	0	EBZ	2/26/2019	UG/L	ND	0.5	37.8505529	-122.2609217	MONITORING				EDF
T0600100106-MW-1	0	EBZ	11/16/2018	UG/L	ND	0.5	37.8505529	-122.2609217	MONITORING				EDF
T0600100106-MW-10	0.75	EBZ	11/16/2018	UG/L	=	0.5	37.8500349	-122.2612052	MONITORING				EDF
T0600100106-MW-10	1.6	EBZ	2/26/2019	UG/L	=	0.5	37.8500349	-122.2612052	MONITORING				EDF
T0600100106-MW-11	1.2	EBZ	2/26/2019	UG/L	=	0.5	37.8500741	-122.2609207	MONITORING				EDF
T0600100106-MW-11	52	EBZ	11/16/2018	UG/L	=	0.5	37.8500741	-122.2609207	MONITORING				EDF
T0600100106-MW-2	0	EBZ	9/12/2018	UG/L	ND	0.5	37.850265	-122.260703	MONITORING				EDF
T0600100106-MW-2	0	EBZ	11/16/2018	UG/L	ND	0.5	37.850265	-122.260703	MONITORING				EDF
T0600100106-MW-2	0	EBZ	2/26/2019	UG/L	ND	0.5	37.850265	-122.260703	MONITORING				EDF
T0600100106-MW-3	22	EBZ	2/26/2019	UG/L	=	0.5	37.8502241	-122.2613074	MONITORING				EDF
T0600100106-MW-3	0	EBZ	9/12/2018	UG/L	ND	0.5	37.8502241	-122.2613074	MONITORING				EDF
T0600100106-MW-3	0	EBZ	11/16/2018	UG/L	ND	0.5	37.8502241	-122.2613074	MONITORING				EDF
T0600100106-MW-4	17	EBZ	9/12/2018	UG/L	=	5	37.8503259	-122.260995	MONITORING				EDF
T0600100106-MW-4	16	EBZ	11/16/2018	UG/L	=	5	37.8503259	-122.260995	MONITORING				EDF
T0600100106-MW-4	300	EBZ	2/26/2019	UG/L	=	2.5	37.8503259	-122.260995	MONITORING				EDF

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T0600100106-MW-5	0	EBZ	11/16/2018	UG/L	ND	0.5	37.8500028	-122.2614933	MONITORING				EDF
T0600100106-MW-5	0	EBZ	2/26/2019	UG/L	ND	0.5	37.8500028	-122.2614933	MONITORING				EDF
T0600100106-MW-6	0	EBZ	11/16/2018	UG/L	ND	0.5	37.8504109	-122.2613251	MONITORING				EDF
T0600100106-MW-6	0	EBZ	2/26/2019	UG/L	ND	0.5	37.8504109	-122.2613251	MONITORING				EDF
T0600100106-MW-7	0	EBZ	11/16/2018	UG/L	ND	0.5	37.8504703	-122.2606564	MONITORING				EDF
T0600100106-MW-7	0	EBZ	2/26/2019	UG/L	ND	0.5	37.8504703	-122.2606564	MONITORING				EDF
T0600100106-MW-7	0	EBZ	9/12/2018	UG/L	ND	0.5	37.8504703	-122.2606564	MONITORING				EDF
T0600100106-MW-8	2.5	EBZ	11/16/2018	UG/L	=	0.5	37.850354	-122.2606778	MONITORING				EDF
T0600100106-MW-8	0	EBZ	2/26/2019	UG/L	ND	0.5	37.850354	-122.2606778	MONITORING				EDF
T0600100106-MW-8	0	EBZ	9/12/2018	UG/L	ND	0.5	37.850354	-122.2606778	MONITORING				EDF
T0600100106-MW-9	0	EBZ	2/26/2019	UG/L	ND	0.5	37.8503606	-122.2607613	MONITORING				EDF
T0600100106-MW-9	0	EBZ	9/12/2018	UG/L	ND	0.5	37.8503606	-122.2607613	MONITORING				EDF
T0600100106-MW-9	0	EBZ	11/16/2018	UG/L	ND	0.5	37.8503606	-122.2607613	MONITORING				EDF
T0600100174-MW-1	0	EBZ	9/13/2018	UG/L	ND	1	37.8534345	-122.2895074	MONITORING	28.57	9.5	29.5	EDF
T0600100174-MW-1	0	EBZ	11/2/2018	UG/L	ND	1	37.8534345	-122.2895074	MONITORING	28.57	9.5	29.5	EDF
T0600100174-MW-1	0	EBZ	3/8/2019	UG/L	ND	1	37.8534345	-122.2895074	MONITORING	28.57	9.5	29.5	EDF
T0600100174-MW-2	0	EBZ	11/2/2018	UG/L	ND	1	37.8532649	-122.2894574	MONITORING	29	9.5	29.5	EDF
T0600100174-MW-2	0	EBZ	9/13/2018	UG/L	ND	1	37.8532649	-122.2894574	MONITORING	29	9.5	29.5	EDF
T0600100174-MW-2	0	EBZ	3/8/2019	UG/L	ND	1	37.8532649	-122.2894574	MONITORING	29	9.5	29.5	EDF
T0600100174-MW-3	0	EBZ	9/13/2018	UG/L	ND	1	37.8534552	-122.2889644	MONITORING	26.85	5.5	27.5	EDF
T0600100174-MW-3	0	EBZ	3/8/2019	UG/L	ND	1	37.8534552	-122.2889644	MONITORING	26.85	5.5	27.5	EDF
T0600100174-MW-3	0	EBZ	11/2/2018	UG/L	ND	1	37.8534552	-122.2889644	MONITORING	26.85	5.5	27.5	EDF
T0600100174-MW-4	0	EBZ	11/2/2018	UG/L	ND	1	37.8527471	-122.2888423	MONITORING	23.74	13	23	EDF
T0600100174-MW-4	0	EBZ	3/8/2019	UG/L	ND	1	37.8527471	-122.2888423	MONITORING	23.74	13	23	EDF
T0600100174-MW-5	0	EBZ	3/8/2019	UG/L	ND	1	37.8529153	-122.2881249	MONITORING	22.62	7	22	EDF
T0600100174-MW-5	0	EBZ	11/2/2018	UG/L	ND	1	37.8529153	-122.2881249	MONITORING	22.62	7	22	EDF
T0600100174-MW-6	0	EBZ	11/2/2018	UG/L	ND	1	37.8535593	-122.2883264	MONITORING	20.12	10	20	EDF
T0600100174-MW-6	0	EBZ	3/8/2019	UG/L	ND	1	37.8535593	-122.2883264	MONITORING	20.12	10	20	EDF
T0600100213-MW-11	0	EBZ	8/1/2018	UG/L	ND	1	37.7908152	-122.204726	MONITORING		11	15	EDF
T0600100213-MW-11	0	EBZ	1/16/2019	UG/L	ND	1	37.7908152	-122.204726	MONITORING		11	15	EDF
T0600100213-MW-12	0	EBZ	1/16/2019	UG/L	ND	1	37.7907498	-122.2044765	MONITORING				EDF
T0600100213-MW-13	0	EBZ	1/16/2019	UG/L	ND	1	37.7910638	-122.204166	MONITORING				EDF
T0600100213-MW-2	382	EBZ	8/1/2018	UG/L	=	250	37.7914376	-122.2047025	MONITORING				EDF
T0600100213-MW-2	0	EBZ	1/16/2019	UG/L	ND	250	37.7914376	-122.2047025	MONITORING				EDF
T0600100213-MW-3	0	EBZ	1/16/2019	UG/L	ND	1	37.791623	-122.2049134	MONITORING				EDF
T0600100213-MW-4	0	EBZ	1/16/2019	UG/L	ND	1	37.7917827	-122.2044747	MONITORING				EDF
T0600100213-MW-5	0	EBZ	8/1/2018	UG/L	ND	1	37.7909404	-122.2047175	MONITORING				EDF
T0600100213-MW-6	0	EBZ	1/16/2019	UG/L	ND	1	37.7916397	-122.2051005	MONITORING				EDF

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T0600100213-MW-7	0	EBZ	1/16/2019	UG/L	ND	1	37.7913625	-122.2043486	MONITORING				EDF
T0600100213-MW-8	53.2	EBZ	1/16/2019	UG/L	=	1	37.7913583	-122.2049013	MONITORING				EDF
T0600100213-MW-8	318	EBZ	8/1/2018	UG/L	=	5	37.7913583	-122.2049013	MONITORING				EDF
T0600100213-MW-9	9.94	EBZ	8/1/2018	UG/L	=	1	37.7915281	-122.2049867	MONITORING				EDF
T0600100213-MW-9	2.47	EBZ	1/16/2019	UG/L	=	1	37.7915281	-122.2049867	MONITORING				EDF
T0600100213-RW-1	0	EBZ	1/16/2019	UG/L	ND	1	37.7914412	-122.2047068	MONITORING				EDF
T0600100213-RW-1	1.91	EBZ	8/1/2018	UG/L	=	1	37.7914412	-122.2047068	MONITORING				EDF
T0600100217-MW-10	2960	EBZ	9/21/2018	UG/L	=	50	37.7749082	-122.2118646	MONITORING				EDF
T0600100217-MW-10	853	EBZ	3/13/2019	UG/L	=	100	37.7749082	-122.2118646	MONITORING				EDF
T0600100217-MW-11	128	EBZ	9/21/2018	UG/L	=	5	37.774949	-122.2119062	MONITORING				EDF
T0600100217-MW-11	112	EBZ	3/13/2019	UG/L	=	1	37.774949	-122.2119062	MONITORING				EDF
T0600100217-MW-12	3550	EBZ	9/21/2018	UG/L	=	500	37.7749216	-122.2117638	MONITORING				EDF
T0600100217-MW-12	2150	EBZ	3/13/2019	UG/L	=	25	37.7749216	-122.2117638	MONITORING				EDF
T0600100217-MW-3	0	EBZ	3/13/2019	UG/L	ND	1	37.7749967	-122.2117942	MONITORING				EDF
T0600100217-MW-4	0	EBZ	3/13/2019	UG/L	ND	1	37.7750895	-122.2120129	MONITORING				EDF
T0600100217-MW-5	176	EBZ	3/13/2019	UG/L	=	50	37.7749003	-122.2118454	MONITORING				EDF
T0600100217-MW-5	1800	EBZ	9/21/2018	UG/L	=	50	37.7749003	-122.2118454	MONITORING				EDF
T0600100217-MW-6	0	EBZ	3/13/2019	UG/L	ND	1	37.7751601	-122.2117221	MONITORING				EDF
T0600100217-MW-7	2.69	EBZ	3/13/2019	UG/L	=	1	37.7750187	-122.2116254	MONITORING				EDF
T0600100274-MW-1	0	EBZ	1/23/2019	UG/L	ND	0.5	37.80314273	-122.2306376	MONITORING	24.27	12	13	EDF
T0600100274-MW-2	14	EBZ	1/23/2019	UG/L	=	2.5	37.80323921	-122.2304715	MONITORING	35.99	16	20	EDF
T0600100274-MW-3	0	EBZ	1/23/2019	UG/L	ND	0.5	37.80336379	-122.2304582	MONITORING	35.6	15.5	22.5	EDF
T0600100274-MW-4	13	EBZ	1/23/2019	UG/L	=	1.2	37.80327411	-122.2305482	MONITORING	22.22	17	5	EDF
T0600100274-MW-5	0	EBZ	1/23/2019	UG/L	ND	0.5	37.80320986	-122.2305313	MONITORING	22	17	5	EDF
T0600100274-MW-6	0	EBZ	1/23/2019	UG/L	ND	0.5	37.80329222	-122.2304247	MONITORING	22.27	17	5	EDF
T0600100274-MW-7	340	EBZ	1/23/2019	UG/L	=	5	37.80316406	-122.2305723	MONITORING	21.16	16.5	5.5	EDF
T0600100292-C-11	0	EBZ	12/18/2018	UG/L	ND	1	37.88033219	-122.295955	MONITORING	19.69			EDF
T0600100292-C-18	0	EBZ	12/18/2018	UG/L	ND	1	37.88009983	-122.2963381	MONITORING	19.75			EDF
T0600100292-C-19	0	EBZ	12/18/2018	UG/L	ND	1	37.87996258	-122.2967761	MONITORING	19.81			EDF
T0600100292-C-20	0.4	EBZ	12/18/2018	UG/L	ND	1	37.88007451	-122.2968113	MONITORING	19.17			EDF
T0600100292-C-21	0	EBZ	12/18/2018	UG/L	ND	1	37.88012673	-122.2971264	MONITORING	18.25			EDF
T0600100292-C-5	20	EBZ	12/18/2018	UG/L	=	10	37.8801284	-122.2962548	MONITORING	23.92			EDF
T0600100292-C-6	0	EBZ	12/18/2018	UG/L	ND	1	37.8800541	-122.2960915	MONITORING	23.61			EDF
T0600100292-C-7	0	EBZ	12/18/2018	UG/L	ND	1	37.88037958	-122.2960091	MONITORING	24.66			EDF
T0600100292-C-8	110	EBZ	12/18/2018	UG/L	=	20	37.88010701	-122.2961539	MONITORING	18.6			EDF
T0600100292-C-9	2	EBZ	12/18/2018	UG/L	=	1	37.88006447	-122.2959154	MONITORING	19.02			EDF
T0600100292-MW-2	0	EBZ	12/18/2018	UG/L	ND	1	37.8802191	-122.2962691	MONITORING	26.72			EDF
T0600100292-MW-3	12	EBZ	12/18/2018	UG/L	=	1	37.8802574	-122.2963088	MONITORING	27.49			EDF

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T0600100313-MW-4	0	EBZ	11/20/2018	UG/L	ND	1	37.81083091	-122.2608176	MONITORING	13.82			EDF
T0600100313-MW-4	0	EBZ	4/29/2019	UG/L	ND	1	37.81083091	-122.2608176	MONITORING	13.82			EDF
T0600100313-MW-5	1100	EBZ	11/20/2018	UG/L	=	10	37.81079224	-122.2606943	MONITORING	11.09			EDF
T0600100313-MW-5	1800	EBZ	4/29/2019	UG/L	=	50	37.81079224	-122.2606943	MONITORING	11.09			EDF
T0600100313-MW-6	0	EBZ	4/29/2019	UG/L	ND	1	37.81091354	-122.261041	MONITORING	7.99			EDF
T0600100313-MW-6	0	EBZ	11/20/2018	UG/L	ND	1	37.81091354	-122.261041	MONITORING	7.99			EDF
T0600100313-MW-8	0	EBZ	11/20/2018	UG/L	ND	1	37.81053227	-122.2607443	MONITORING	7.78			EDF
T0600100313-MW-8	0	EBZ	4/29/2019	UG/L	ND	1	37.81053227	-122.2607443	MONITORING	7.78			EDF
T0600100328-MW-1	0	EBZ	9/22/2018	UG/L	ND	1	37.8091174	-122.2469622	MONITORING	18.97			EDF
T0600100328-MW-1	0	EBZ	2/27/2019	UG/L	ND	1	37.8091174	-122.2469622	MONITORING	18.97			EDF
T0600100328-MW-10	0	EBZ	9/22/2018	UG/L	ND	10	37.8088985	-122.2478081	MONITORING	18.96			EDF
T0600100328-MW-10	0	EBZ	2/27/2019	UG/L	ND	1	37.8088985	-122.2478081	MONITORING	18.96			EDF
T0600100328-MW-2A	0	EBZ	9/22/2018	UG/L	ND	1	37.8092243	-122.2469455	MONITORING	16.57			EDF
T0600100328-MW-2A	0	EBZ	2/27/2019	UG/L	ND	20	37.8092243	-122.2469455	MONITORING	16.57			EDF
T0600100328-MW-3A	0	EBZ	2/27/2019	UG/L	ND	5	37.8091933	-122.2465672	MONITORING	17.83			EDF
T0600100328-MW-3A	0	EBZ	9/22/2018	UG/L	ND	1	37.8091933	-122.2465672	MONITORING	17.83			EDF
T0600100328-MW-4A	5	EBZ	2/27/2019	UG/L	ND	10	37.8092631	-122.2466188	MONITORING	18.35			EDF
T0600100328-MW-4A	1	EBZ	9/22/2018	UG/L	=	1	37.8092631	-122.2466188	MONITORING	18.35			EDF
T0600100328-MW-5	0	EBZ	9/22/2018	UG/L	ND	1	37.8089761	-122.2468142	MONITORING	32.53			EDF
T0600100328-MW-5	0	EBZ	2/27/2019	UG/L	ND	1	37.8089761	-122.2468142	MONITORING	32.53			EDF
T0600100328-MW-6	0	EBZ	2/27/2019	UG/L	ND	10	37.8089395	-122.2475677	MONITORING	18.11			EDF
T0600100328-MW-6	0	EBZ	9/22/2018	UG/L	ND	10	37.8089395	-122.2475677	MONITORING	18.11			EDF
T0600100328-MW-8	0	EBZ	2/27/2019	UG/L	ND	5	37.809267	-122.2464508	MONITORING	24.79			EDF
T0600100328-MW-9	0	EBZ	2/27/2019	UG/L	ND	1	37.8091898	-122.2470611	MONITORING	14.22			EDF
T0600100328-MW-9	0	EBZ	9/22/2018	UG/L	ND	1	37.8091898	-122.2470611	MONITORING	14.22			EDF
T0600100330-C-1	140	EBZ	3/15/2019	UG/L	=	20	37.76342039	-122.2266795	MONITORING	16.92			EDF
T0600100330-C-3	0	EBZ	3/15/2019	UG/L	ND	1	37.76356994	-122.2269215	MONITORING	18.84			EDF
T0600100330-MW-10	0	EBZ	8/27/2018	UG/L	ND	1	37.76325349	-122.2263664	MONITORING	8.91			EDF
T0600100330-MW-10	0	EBZ	3/15/2019	UG/L	ND	1	37.76325349	-122.2263664	MONITORING	8.91			EDF
T0600100330-MW-4	0	EBZ	3/15/2019	UG/L	ND	1	37.76325662	-122.2266829	MONITORING	12.81			EDF
T0600100330-MW-5	0	EBZ	3/15/2019	UG/L	ND	1	37.76330726	-122.2268681	MONITORING	12.31			EDF
T0600100330-MW-5	0	EBZ	8/27/2018	UG/L	ND	1	37.76330726	-122.2268681	MONITORING	12.31			EDF
T0600100330-MW-6	0	EBZ	8/27/2018	UG/L	ND	1	37.763539	-122.2266053	MONITORING	13.53			EDF
T0600100330-MW-6	0	EBZ	3/15/2019	UG/L	ND	1	37.763539	-122.2266053	MONITORING	13.53			EDF
T0600100330-MW-7	2	EBZ	8/27/2018	UG/L	=	1	37.76331791	-122.226471	MONITORING	5.75			EDF
T0600100330-MW-7	0	EBZ	3/15/2019	UG/L	ND	1	37.76331791	-122.226471	MONITORING	5.75			EDF
T0600100330-MW-8	0	EBZ	3/15/2019	UG/L	ND	1	37.76354224	-122.2263059	MONITORING	9.14			EDF
T0600100330-MW-9	0	EBZ	3/15/2019	UG/L	ND	1	37.76341492	-122.2259949	MONITORING	8.55			EDF

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T0600100333-MW-2	0	EBZ	12/14/2018	UG/L	ND	1	37.77343265	-122.2226881	MONITORING	19.46	5	15	EDF
T0600100333-MW-3	0.4	EBZ	12/14/2018	UG/L	ND	1	37.77362282	-122.2225179	MONITORING	17.95	5	15	EDF
T0600100333-MW-4	0	EBZ	12/14/2018	UG/L	ND	1	37.77327809	-122.2225081	MONITORING	17.83	7	13	EDF
T0600100333-VH-1	0.3	EBZ	12/14/2018	UG/L	ND	1	37.77354448	-122.2228541	MONITORING	28.96	10	20	EDF
T0600100339-C-1	3	EBZ	3/13/2019	UG/L	ND	10	37.774896	-122.2122443	MONITORING	38.05			EDF
T0600100339-C-1	0	EBZ	9/21/2018	UG/L	ND	1	37.774896	-122.2122443	MONITORING	38.05			EDF
T0600100339-C-10	0	EBZ	3/13/2019	UG/L	ND	1	37.7746722	-122.2120301	MONITORING	29.8			EDF
T0600100339-C-10	0	EBZ	9/21/2018	UG/L	ND	1	37.7746722	-122.2120301	MONITORING	29.8			EDF
T0600100339-C-11	0	EBZ	9/21/2018	UG/L	ND	1	37.7729656	-122.2123831	MONITORING	19.6			EDF
T0600100339-C-11	0	EBZ	3/13/2019	UG/L	ND	1	37.7729656	-122.2123831	MONITORING	19.6			EDF
T0600100339-C-13	0	EBZ	9/21/2018	UG/L	ND	1	37.774808	-122.2124666	MONITORING	19			EDF
T0600100339-C-13	0	EBZ	3/13/2019	UG/L	ND	1	37.774808	-122.2124666	MONITORING	19			EDF
T0600100339-C-2	170	EBZ	3/13/2019	UG/L	=	10	37.7745271	-122.2123036	MONITORING	36.3			EDF
T0600100339-C-2	0	EBZ	9/21/2018	UG/L	ND	10	37.7745271	-122.2123036	MONITORING	36.3			EDF
T0600100339-C-3	0.6	EBZ	3/13/2019	UG/L	ND	1	37.7745947	-122.2124889	MONITORING	39.15			EDF
T0600100339-C-3	0	EBZ	9/21/2018	UG/L	ND	1	37.7745947	-122.2124889	MONITORING	39.15			EDF
T0600100339-C-4	43	EBZ	3/13/2019	UG/L	=	20	37.7743799	-122.2123715	MONITORING	36.52			EDF
T0600100339-C-4	12	EBZ	9/21/2018	UG/L	=	1	37.7743799	-122.2123715	MONITORING	36.52			EDF
T0600100339-C-6	0	EBZ	9/21/2018	UG/L	ND	1	37.7741784	-122.2126486	MONITORING	53.65			EDF
T0600100339-C-6	0	EBZ	3/13/2019	UG/L	ND	1	37.7741784	-122.2126486	MONITORING	53.65			EDF
T0600100339-C-7	0	EBZ	9/21/2018	UG/L	ND	1	37.7739615	-122.212475	MONITORING	50.93			EDF
T0600100339-C-7	0	EBZ	3/13/2019	UG/L	ND	1	37.7739615	-122.212475	MONITORING	50.93			EDF
T0600100339-C-8	0	EBZ	3/13/2019	UG/L	ND	1	37.773852	-122.2129805	MONITORING	56.01			EDF
T0600100339-C-9	0	EBZ	9/21/2018	UG/L	ND	1	37.773664	-122.2127039	MONITORING				EDF
T0600100375-MW-18	0	EBZ	8/16/2018	UG/L	ND	1	37.7480236	-122.2103566	MONITORING				EDF
T0600100375-MW-19A	34	EBZ	8/16/2018	UG/L	=	5	37.7479606	-122.210739	MONITORING				EDF
T0600100375-MW-19B	7.3	EBZ	8/16/2018	UG/L	=	2	37.7479745	-122.2107282	MONITORING				EDF
T0600100375-MW-19C	0	EBZ	8/15/2018	UG/L	ND	0.5	37.7479866	-122.2107205	MONITORING				EDF
T0600100375-MW-20A	0	EBZ	8/16/2018	UG/L	ND	4.2	37.7467485	-122.2095839	MONITORING				EDF
T0600100375-MW-20B	0	EBZ	8/16/2018	UG/L	ND	5	37.7467349	-122.2095734	MONITORING				EDF
T0600100375-MW-20C	0	EBZ	8/16/2018	UG/L	ND	0.5	37.7467207	-122.2095603	MONITORING				EDF
T0600100406-MW-13	0	EBZ	10/19/2018	UG/L	ND	0.5	37.8204078	-122.2608841	MONITORING	39.5	25	15	EDF
T0600100406-MW-20	170	EBZ	10/18/2018	UG/L	=	25	37.820715	-122.262152	MONITORING		10	10	EDF
T0600100406-MW-21	170	EBZ	10/18/2018	UG/L	=	100	37.820596	-122.262089	MONITORING		10	10	EDF
T0600100406-MW-23	290	EBZ	10/19/2018	UG/L	=	10	37.820362	-122.261755	MONITORING		12	10	EDF
T0600100406-MW-24	270	EBZ	10/19/2018	UG/L	=	25	37.820402	-122.261631	MONITORING		11	10	EDF
T0600100406-MW-25	0	EBZ	10/19/2018	UG/L	ND	0.5	37.82036	-122.261317	MONITORING		19	10	EDF
T0600100406-MW-26	0	EBZ	10/19/2018	UG/L	ND	0.5	37.820199	-122.261421	MONITORING		12	10	EDF

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T0600100406-MW-27	0	EBZ	10/19/2018	UG/L	ND	0.5	37.820013	-122.261538	MONITORING		21	10	EDF
T0600100466-MW1	0	EBZ	3/28/2019	UG/L	ND	0.5	37.8479589	-122.2528098	MONITORING		10	20	EDF
T0600100466-MW2	3	EBZ	3/28/2019	UG/L	=	0.5	37.8472908	-122.2527886	MONITORING		8	20	EDF
T0600100466-MW2	3.5	EBZ	3/28/2019	UG/L	=	0.5	37.8472908	-122.2527886	MONITORING		8	20	EDF
T0600100466-MW3	2.9	EBZ	3/28/2019	UG/L	=	0.5	37.8471009	-122.2523813	MONITORING		7	20	EDF
T0600100466-MW4	0	EBZ	3/28/2019	UG/L	ND	0.5	37.8470643	-122.2525015	MONITORING		7	20	EDF
T0600100466-MW5	11	EBZ	3/28/2019	UG/L	=	0.5	37.847245	-122.252902	MONITORING		9	20	EDF
T0600100466-MW6	0	EBZ	3/28/2019	UG/L	ND	0.5	37.8471859	-122.2521899	MONITORING		9	20	EDF
T0600100472-EW-1	0	EBZ	9/12/2018	UG/L	ND	0.5	37.6284142	-122.0553945	MONITORING				EDF
T0600100472-EW-1	0	EBZ	1/3/2019	UG/L	ND	0.5	37.6284142	-122.0553945	MONITORING				EDF
T0600100472-EW-1	0	EBZ	4/16/2019	UG/L	ND	0.5	37.6284142	-122.0553945	MONITORING				EDF
T0600100472-EW-2	0	EBZ	4/16/2019	UG/L	ND	0.5	37.62855971	-122.0555902	MONITORING		5	10	EDF
T0600100472-EW-2	0	EBZ	9/11/2018	UG/L	ND	0.5	37.62855971	-122.0555902	MONITORING		5	10	EDF
T0600100472-EW-2	0	EBZ	1/3/2019	UG/L	ND	0.5	37.62855971	-122.0555902	MONITORING		5	10	EDF
T0600100472-EW-3	0	EBZ	9/11/2018	UG/L	ND	0.5	37.62858284	-122.0553087	MONITORING		5	10	EDF
T0600100472-EW-3	0	EBZ	4/16/2019	UG/L	ND	0.5	37.62858284	-122.0553087	MONITORING		5	10	EDF
T0600100472-EW-3	0	EBZ	1/3/2019	UG/L	ND	0.5	37.62858284	-122.0553087	MONITORING		5	10	EDF
T0600100472-EW-4	0	EBZ	4/17/2019	UG/L	ND	0.5	37.62848493	-122.0553185	MONITORING		5	10	EDF
T0600100472-EW-4	0	EBZ	1/3/2019	UG/L	ND	0.5	37.62848493	-122.0553185	MONITORING		5	10	EDF
T0600100472-EW-4	0	EBZ	9/11/2018	UG/L	ND	0.5	37.62848493	-122.0553185	MONITORING		5	10	EDF
T0600100472-EW-5	0	EBZ	1/3/2019	UG/L	ND	0.5	37.62852909	-122.0552461	MONITORING		5	10	EDF
T0600100472-EW-5	0	EBZ	4/17/2019	UG/L	ND	0.5	37.62852909	-122.0552461	MONITORING		5	10	EDF
T0600100472-EW-5	0	EBZ	9/11/2018	UG/L	ND	0.5	37.62852909	-122.0552461	MONITORING		5	10	EDF
T0600100472-EW-6	0	EBZ	9/12/2018	UG/L	ND	0.5	37.62815311	-122.0554619	MONITORING		5	10	EDF
T0600100472-EW-6	0	EBZ	1/4/2019	UG/L	ND	0.5	37.62815311	-122.0554619	MONITORING		5	10	EDF
T0600100472-EW-6	0	EBZ	4/17/2019	UG/L	ND	0.5	37.62815311	-122.0554619	MONITORING		5	10	EDF
T0600100472-EW-7	0	EBZ	4/17/2019	UG/L	ND	0.5	37.62825246	-122.0552671	MONITORING		5	10	EDF
T0600100472-EW-7	0	EBZ	9/12/2018	UG/L	ND	0.5	37.62825246	-122.0552671	MONITORING		5	10	EDF
T0600100472-EW-7	0	EBZ	1/4/2019	UG/L	ND	0.5	37.62825246	-122.0552671	MONITORING		5	10	EDF
T0600100472-MW-V	0	EBZ	1/3/2019	UG/L	ND	0.5	37.6285227	-122.0556238	MONITORING				EDF
T0600100472-MW-V	0	EBZ	4/16/2019	UG/L	ND	0.5	37.6285227	-122.0556238	MONITORING				EDF
T0600100472-MW-V	0	EBZ	9/11/2018	UG/L	ND	0.5	37.6285227	-122.0556238	MONITORING				EDF
T0600100472-MW-W	0	EBZ	4/16/2019	UG/L	ND	0.5	37.6284557	-122.0555571	MONITORING				EDF
T0600100472-MW-X	0	EBZ	1/4/2019	UG/L	ND	0.5	37.6283936	-122.0554982	MONITORING				EDF
T0600100472-MW-X	0	EBZ	4/16/2019	UG/L	ND	0.5	37.6283936	-122.0554982	MONITORING				EDF
T0600100472-MW-X	0	EBZ	9/12/2018	UG/L	ND	0.5	37.6283936	-122.0554982	MONITORING				EDF
T0600100472-MW-Y	0	EBZ	9/12/2018	UG/L	ND	0.5	37.6284395	-122.055306	MONITORING				EDF
T0600100472-MW-Y	0	EBZ	1/4/2019	UG/L	ND	0.5	37.6284395	-122.055306	MONITORING				EDF

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T0600100472-MW-Y	0	EBZ	4/17/2019	UG/L	ND	0.5	37.6284395	-122.055306	MONITORING				EDF
T0600100472-MW-Z	0	EBZ	1/4/2019	UG/L	ND	0.5	37.6286319	-122.055285	MONITORING				EDF
T0600100472-MW-Z	0	EBZ	4/16/2019	UG/L	ND	0.5	37.6286319	-122.055285	MONITORING				EDF
T0600100472-MW-Z	0	EBZ	9/12/2018	UG/L	ND	0.5	37.6286319	-122.055285	MONITORING				EDF
T0600100639-MW-10	24	EBZ	8/28/2018	UG/L	=	2	37.7341395	-122.1641102	MONITORING				EDF
T0600100639-MW-10	13	EBZ	2/19/2019	UG/L	=	2	37.7341395	-122.1641102	MONITORING				EDF
T0600100639-MW-11	0	EBZ	8/28/2018	UG/L	ND	0.5	37.7345691	-122.1637794	MONITORING				EDF
T0600100639-MW-11	0	EBZ	2/19/2019	UG/L	ND	0.5	37.7345691	-122.1637794	MONITORING				EDF
T0600100639-MW-12	2.9	EBZ	8/28/2018	UG/L	=	1	37.734324	-122.1643835	MONITORING				EDF
T0600100639-MW-13	0	EBZ	2/19/2019	UG/L	ND	0.5	37.7339287	-122.1645083	MONITORING				EDF
T0600100639-MW-13	0	EBZ	8/28/2018	UG/L	ND	0.5	37.7339287	-122.1645083	MONITORING				EDF
T0600100639-MW-14	0	EBZ	8/28/2018	UG/L	ND	0.5	37.7337964	-122.163878	MONITORING				EDF
T0600100639-MW-14	0	EBZ	2/19/2019	UG/L	ND	0.5	37.7337964	-122.163878	MONITORING				EDF
T0600100639-MW-15	940	EBZ	2/19/2019	UG/L	=	10	37.7340395	-122.163138	MONITORING				EDF
T0600100639-MW-15	700	EBZ	8/28/2018	UG/L	=	10	37.7340395	-122.163138	MONITORING				EDF
T0600100639-MW-1A	0.53	EBZ	2/19/2019	UG/L	=	0.5	37.7345762	-122.1641133	MONITORING				EDF
T0600100639-MW-1A	3.2	EBZ	8/28/2018	UG/L	=	1	37.7345762	-122.1641133	MONITORING				EDF
T0600100639-MW-2	18	EBZ	8/28/2018	UG/L	=	1	37.7338816	-122.1632683	MONITORING				EDF
T0600100639-MW-2	19	EBZ	2/19/2019	UG/L	=	1	37.7338816	-122.1632683	MONITORING				EDF
T0600100639-MW-3	0	EBZ	8/28/2018	UG/L	ND	0.5	37.733992	-122.1633283	MONITORING				EDF
T0600100639-MW-3	0	EBZ	2/19/2019	UG/L	ND	0.5	37.733992	-122.1633283	MONITORING				EDF
T0600100639-MW-5	0.53	EBZ	2/19/2019	UG/L	=	0.5	37.7339032	-122.16297	MONITORING				EDF
T0600100639-MW-8	0	EBZ	2/19/2019	UG/L	ND	0.5	37.7339079	-122.1635598	MONITORING				EDF
T0600100639-MW-8	0	EBZ	8/28/2018	UG/L	ND	0.5	37.7339079	-122.1635598	MONITORING				EDF
T0600100639-MW-9	0.89	EBZ	2/19/2019	UG/L	=	0.5	37.7342596	-122.1637102	MONITORING				EDF
T0600100639-MW-9	1.1	EBZ	8/28/2018	UG/L	=	0.5	37.7342596	-122.1637102	MONITORING				EDF
T0600100666-BC-01	0	EBZ	8/21/2018	UG/L	ND	2.5	37.8109485	-122.2742193	MONITORING			20	EDF
T0600100666-BC-03	0	EBZ	8/21/2018	UG/L	ND	0.5	37.8108495	-122.2743629	MONITORING			20	EDF
T0600100666-ES-01	0	EBZ	8/21/2018	UG/L	ND	25	37.8109902	-122.2742747	MONITORING		11	20	EDF
T0600100666-ES-02	0	EBZ	8/21/2018	UG/L	ND	25	37.8108756	-122.2742517	MONITORING		11	20	EDF
T0600100666-ES-03	74	EBZ	8/20/2018	UG/L	=	25	37.8107773	-122.2744085	MONITORING		14.5	20	EDF
T0600100666-ES-04	0	EBZ	8/21/2018	UG/L	ND	1	37.8110522	-122.2741834	MONITORING		11	20	EDF
T0600100666-ES-05	67	EBZ	8/21/2018	UG/L	=	25	37.8109154	-122.2743359	MONITORING		11	20	EDF
T0600100666-ES-06	0	EBZ	8/20/2018	UG/L	ND	0.5	37.8107719	-122.2739456	MONITORING		14.5	20	EDF
T0600100666-ES-07	0	EBZ	8/20/2018	UG/L	ND	0.5	37.8105923	-122.2745302	MONITORING		14.5	20	EDF
T0600100666-ES-08	0.5	EBZ	8/22/2018	UG/L	=	0.5	37.8109332	-122.2745281	MONITORING		14.5	20	EDF
T0600100666-ES-09	0	EBZ	8/22/2018	UG/L	ND	0.5	37.8111665	-122.2743792	MONITORING		14.5	20	EDF
T0600100666-ES-11	0	EBZ	8/20/2018	UG/L	ND	0.5	37.8111729	-122.2740538	MONITORING		14.4	20	EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top of Screen (FT)	Screen Length (FT)	Source
T0600100667-MW-1	370	EBZ	3/1/2019	UG/L	=	10	37.7680196	-122.1951227	MONITORING		18	17	EDF
T0600100667-MW-2	0	EBZ	3/1/2019	UG/L	ND	0.5	37.7679831	-122.1952902	MONITORING		15	20	EDF
T0600100667-MW-4	6.3	EBZ	3/1/2019	UG/L	=	0.5	37.7680616	-122.1950351	MONITORING		15.5	20	EDF
T0600100667-MW-5	54	EBZ	3/1/2019	UG/L	=	1	37.7678994	-122.1952576	MONITORING		15	20	EDF
T0600100667-MW-6	130	EBZ	3/1/2019	UG/L	=	0.5	37.7679434	-122.1953024	MONITORING		10	10	EDF
T0600100667-MW-8	0.28	EBZ	3/1/2019	UG/L	=	0.5	37.7679888	-122.1950462	MONITORING		5	15	EDF
T0600100667-MW-9	0	EBZ	3/1/2019	UG/L	ND	0.5	37.7680506	-122.195179	MONITORING		5	15	EDF
T0600100939-IW-3	0	EBZ	8/29/2018	UG/L	ND	0.5	37.7328033	-122.2012724	MONITORING		4	5	EDF
T0600100939-IW-4	0	EBZ	8/28/2018	UG/L	ND	0.5	37.7325278	-122.2015582	MONITORING		5	5	EDF
T0600100939-IW-5	0	EBZ	8/28/2018	UG/L	ND	0.5	37.7325485	-122.2014871	MONITORING		5	5	EDF
T0600100939-IW-6	0	EBZ	8/29/2018	UG/L	ND	0.5	37.7325689	-122.2014142	MONITORING		5	5	EDF
T0600100939-MW-10	0	EBZ	8/29/2018	UG/L	ND	0.5	37.7323398	-122.2015743	MONITORING		2	10	EDF
T0600100939-MW-11	0	EBZ	8/28/2018	UG/L	ND	0.5	37.7322421	-122.2019319	MONITORING		3	10	EDF
T0600100939-MW-13	0	EBZ	8/27/2018	UG/L	ND	0.5	37.732761	-122.2013544	MONITORING		4	5	EDF
T0600100939-MW-14	0	EBZ	8/28/2018	UG/L	ND	0.5	37.7326241	-122.201434	MONITORING		4	5	EDF
T0600100939-MW-3	0	EBZ	8/29/2018	UG/L	ND	0.5	37.7325348	-122.2014612	MONITORING				EDF
T0600100939-MW-30	0	EBZ	8/28/2018	UG/L	ND	0.5	37.7332384	-122.2017806	MONITORING		2	10	EDF
T0600100939-MW-31	0	EBZ	8/28/2018	UG/L	ND	0.5	37.7330824	-122.2015645	MONITORING		2	10	EDF
T0600100939-MW-32	0	EBZ	8/28/2018	UG/L	ND	0.5	37.7331272	-122.2009931	MONITORING		5	10	EDF
T0600100939-MW-33	0	EBZ	8/28/2018	UG/L	ND	0.5	37.7326924	-122.2009461	MONITORING		4	15	EDF
T0600100939-MW-34	0	EBZ	9/14/2018	UG/L	ND	0.5	37.7324507	-122.2011282	MONITORING		4	15	EDF
T0600100939-MW-4	0	EBZ	8/28/2018	UG/L	ND	0.5	37.7325163	-122.2015892	MONITORING		5	13	EDF
T0600100939-MW-8	0	EBZ	8/27/2018	UG/L	ND	0.5	37.7330044	-122.2012886	MONITORING		2	10	EDF
T0600100939-MW-9	0	EBZ	8/28/2018	UG/L	ND	0.5	37.7326216	-122.2018663	MONITORING		3	10	EDF
T0600100980-MW-10	0	EBZ	8/8/2018	UG/L	ND	0.5	37.7662329	-122.2432006	MONITORING	13.15	6.5	10	EDF
T0600100980-MW-10	0	EBZ	1/23/2019	UG/L	ND	0.5	37.7662329	-122.2432006	MONITORING	13.15	6.5	10	EDF
T0600100980-MW-12	0	EBZ	8/8/2018	UG/L	ND	10	37.7662626	-122.2427358	MONITORING	24.57	14	10	EDF
T0600100980-MW-12	0	EBZ	1/24/2019	UG/L	ND	0.5	37.7662626	-122.2427358	MONITORING	24.57	14	10	EDF
T0600100980-MW-13	0	EBZ	8/9/2018	UG/L	ND	0.5	37.7659687	-122.2429106	MONITORING	20.34	15	5	EDF
T0600100980-MW-13	0	EBZ	1/24/2019	UG/L	ND	0.5	37.7659687	-122.2429106	MONITORING	20.34	15	5	EDF
T0600100980-MW-14	0	EBZ	1/24/2019	UG/L	ND	0.5	37.7660164	-122.2428992	MONITORING	11.73	5	10	EDF
T0600100980-MW-14	190	EBZ	8/9/2018	UG/L	=	25	37.7660164	-122.2428992	MONITORING	11.73	5	10	EDF
T0600100980-MW-15	0	EBZ	1/23/2019	UG/L	ND	0.5	37.7661389	-122.2427194	MONITORING	29.64	20	10	EDF
T0600100980-MW-15	0	EBZ	8/8/2018	UG/L	ND	0.5	37.7661389	-122.2427194	MONITORING	29.64	20	10	EDF
T0600100980-MW-16	0	EBZ	8/8/2018	UG/L	ND	0.5	37.7660495	-122.2427347	MONITORING	29.64	20	10	EDF
T0600100980-MW-16	0	EBZ	1/23/2019	UG/L	ND	0.5	37.7660495	-122.2427347	MONITORING	29.64	20	10	EDF
T0600100980-MW-2R	1300	EBZ	1/24/2019	UG/L	=	100	37.7661169	-122.2430355	MONITORING	25.13	5	20	EDF
T0600100980-MW-2R	4100	EBZ	8/9/2018	UG/L	=	100	37.7661169	-122.2430355	MONITORING	25.13	5	20	EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top of Screen (FT)	Screen Length (FT)	Source
T0600100980-MW-4R	0	EBZ	8/8/2018	UG/L	ND	0.5	37.7660462	-122.2431537	MONITORING	25.2	5	20	EDF
T0600100980-MW-4R	0	EBZ	1/23/2019	UG/L	ND	0.5	37.7660462	-122.2431537	MONITORING	25.2	5	20	EDF
T0600100980-MW-5R	240	EBZ	1/24/2019	UG/L	=	50	37.7661174	-122.243104	MONITORING	23.84	5	20	EDF
T0600100980-MW-5R	1700	EBZ	8/9/2018	UG/L	=	50	37.7661174	-122.243104	MONITORING	23.84	5	20	EDF
T0600100980-MW-6R	0	EBZ	8/8/2018	UG/L	ND	0.5	37.7661816	-122.243058	MONITORING	25.25	5	20	EDF
T0600100980-MW-6R	0	EBZ	1/23/2019	UG/L	ND	0.5	37.7661816	-122.243058	MONITORING	25.25	5	20	EDF
T0600100980-MW-7R	1100	EBZ	8/9/2018	UG/L	=	100	37.7661213	-122.2429605	MONITORING	25.29	5	20	EDF
T0600100980-MW-7R	1400	EBZ	1/24/2019	UG/L	=	100	37.7661213	-122.2429605	MONITORING	25.29	5	20	EDF
T0600100980-MW-8	0	EBZ	1/24/2019	UG/L	ND	0.5	37.7658657	-122.2432462	MONITORING	14.09	5	9	EDF
T0600100980-MW-8	1.6	EBZ	8/9/2018	UG/L	=	0.5	37.7658657	-122.2432462	MONITORING	14.09	5	9	EDF
T0600100980-MW-9	0	EBZ	8/8/2018	UG/L	ND	0.5	37.7663239	-122.2430444	MONITORING	14.88	5	15	EDF
T0600100980-MW-9	0	EBZ	1/23/2019	UG/L	ND	0.5	37.7663239	-122.2430444	MONITORING	14.88	5	15	EDF
T0600101065-S-10	0	EBZ	12/11/2018	UG/L	ND	0.5	37.7742054	-122.2114511	MONITORING		20	15	EDF
T0600101065-S-11	0	EBZ	12/11/2018	UG/L	ND	0.5	37.7741079	-122.2115341	MONITORING		20	15	EDF
T0600101065-S-12	0	EBZ	12/11/2018	UG/L	ND	0.5	37.7740247	-122.2116421	MONITORING		20	15	EDF
T0600101065-S-13	2300	EBZ	12/11/2018	UG/L	=	13	37.7742009	-122.2119237	MONITORING		4	15	EDF
T0600101065-S-14	17	EBZ	12/11/2018	UG/L	=	0.5	37.7742694	-122.2120619	MONITORING		4	15	EDF
T0600101065-S-6	52	EBZ	12/11/2018	UG/L	=	2.5	37.7743845	-122.2116358	MONITORING				EDF
T0600101065-S-7	310	EBZ	12/11/2018	UG/L	=	50	37.7742309	-122.2117524	MONITORING				EDF
T0600101065-S-8	1500	EBZ	12/11/2018	UG/L	=	50	37.7743102	-122.2119856	MONITORING				EDF
T0600101065-S-9	8.5	EBZ	12/11/2018	UG/L	=	0.5	37.7741661	-122.2118016	MONITORING				EDF
T0600101089-MW-2	0	EBZ	12/11/2018	UG/L	ND	0.5	37.8983019	-122.3020521	MONITORING	11.5	5	6.5	EDF
T0600101089-MW-2	0	EBZ	3/19/2019	UG/L	ND	0.5	37.8983019	-122.3020521	MONITORING	11.5	5	6.5	EDF
T0600101089-MW-3	0	EBZ	3/19/2019	UG/L	ND	0.5	37.8982637	-122.3023194	MONITORING	12	5	7	EDF
T0600101089-MW-3	0	EBZ	12/11/2018	UG/L	ND	0.5	37.8982637	-122.3023194	MONITORING	12	5	7	EDF
T0600101089-STMW-1	280	EBZ	12/11/2018	UG/L	=	5	37.8980857	-122.3019234	MONITORING	14	4	10	EDF
T0600101089-STMW-1	91	EBZ	3/19/2019	UG/L	=	5	37.8980857	-122.3019234	MONITORING	14	4	10	EDF
T0600101089-STMW-2	1.3	EBZ	12/11/2018	UG/L	=	0.5	37.8981238	-122.3017442	MONITORING	14	4	10	EDF
T0600101089-STMW-2	1.6	EBZ	3/19/2019	UG/L	=	0.5	37.8981238	-122.3017442	MONITORING	14	4	10	EDF
T0600101089-STMW-3	0	EBZ	12/11/2018	UG/L	ND	0.5	37.8982476	-122.3017809	MONITORING	15	2.5	12.5	EDF
T0600101089-STMW-3	0	EBZ	3/19/2019	UG/L	ND	0.5	37.8982476	-122.3017809	MONITORING	15	2.5	12.5	EDF
T0600101089-STMW-4	0	EBZ	3/19/2019	UG/L	ND	0.5	37.8983316	-122.3019713	MONITORING	15	2	13	EDF
T0600101089-STMW-4	0	EBZ	12/11/2018	UG/L	ND	0.5	37.8983316	-122.3019713	MONITORING	15	2	13	EDF
T0600101089-STMW-5	0	EBZ	3/19/2019	UG/L	ND	0.5	37.8983733	-122.3023025	MONITORING	15	2	13	EDF
T0600101089-STMW-5	0	EBZ	12/11/2018	UG/L	ND	0.5	37.8983733	-122.3023025	MONITORING	15	2	13	EDF
T0600101089-STMW-6	84	EBZ	12/11/2018	UG/L	=	0.5	37.8979768	-122.3021331	MONITORING	15	5	10	EDF
T0600101089-STMW-6	23	EBZ	3/19/2019	UG/L	=	0.5	37.8979768	-122.3021331	MONITORING	15	5	10	EDF
T0600101089-STMW-7	0	EBZ	12/11/2018	UG/L	ND	5	37.897823	-122.3022898	MONITORING	15	5	10	EDF

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T0600101089-STMW-7	0	EBZ	3/19/2019	UG/L	ND	1.7	37.897823	-122.3022898	MONITORING	15	5	10	EDF
T0600101212-EW1A	0.58	EBZ	8/21/2018	UG/L	=	0.5	37.78226872	-122.2368731	MONITORING		8	22	EDF
T0600101212-EW1A	0.58	EBZ	12/18/2018	UG/L	=	0.5	37.78226872	-122.2368731	MONITORING		8	22	EDF
T0600101212-MW1A	28	EBZ	8/21/2018	UG/L	=	5	37.78233671	-122.2367626	MONITORING		5	15	EDF
T0600101212-MW1A	5.8	EBZ	12/18/2018	UG/L	=	1	37.78233671	-122.2367626	MONITORING		5	15	EDF
T0600101212-MW2	6.3	EBZ	12/18/2018	UG/L	=	5	37.78225768	-122.236958	MONITORING		4	15	EDF
T0600101212-MW2	13	EBZ	8/21/2018	UG/L	=	5	37.78225768	-122.236958	MONITORING		4	15	EDF
T0600101212-MW3	0	EBZ	8/21/2018	UG/L	ND	5	37.78232004	-122.2368981	MONITORING		4	15	EDF
T0600101212-MW3	0	EBZ	12/18/2018	UG/L	ND	5	37.78232004	-122.2368981	MONITORING		4	15	EDF
T0600101212-MW4A	0	EBZ	12/18/2018	UG/L	ND	0.5	37.78240448	-122.2369698	MONITORING		5	15	EDF
T0600101212-MW4A	0	EBZ	8/21/2018	UG/L	ND	0.5	37.78240448	-122.2369698	MONITORING		5	15	EDF
T0600101212-MW5A	0	EBZ	8/20/2018	UG/L	ND	0.5	37.78230469	-122.2370757	MONITORING		5	15	EDF
T0600101212-MW5A	0.51	EBZ	12/18/2018	UG/L	=	0.5	37.78230469	-122.2370757	MONITORING		5	15	EDF
T0600101212-MW6A	1.7	EBZ	8/21/2018	UG/L	=	0.5	37.78220744	-122.2368668	MONITORING		5	15	EDF
T0600101212-MW6A	2.7	EBZ	12/18/2018	UG/L	=	2.5	37.78220744	-122.2368668	MONITORING		5	15	EDF
T0600101212-MW7	0	EBZ	12/18/2018	UG/L	ND	0.5	37.78277259	-122.237452	MONITORING		5	15	EDF
T0600101212-MW7	0	EBZ	8/20/2018	UG/L	ND	0.5	37.78277259	-122.237452	MONITORING		5	15	EDF
T0600101212-MW8	0	EBZ	12/18/2018	UG/L	ND	1.2	37.78225504	-122.2372479	MONITORING		5	15	EDF
T0600101212-MW8	2.9	EBZ	8/20/2018	UG/L	=	0.5	37.78225504	-122.2372479	MONITORING		5	15	EDF
T0600101354-MW6B	0	EBZ	8/23/2018	UG/L	ND	4	37.811749	-122.2692353	MONITORING				EDF
T0600101354-MW6B	0	EBZ	8/17/2018	UG/L	ND	5	37.811749	-122.2692353	MONITORING				EDF
T0600101354-MW6E	0	EBZ	8/23/2018	UG/L	ND	0.5	37.8114699	-122.2694622	MONITORING				EDF
T0600101354-MW6E	0	EBZ	8/17/2018	UG/L	ND	0.5	37.8114699	-122.2694622	MONITORING				EDF
T0600101354-MW6F	0	EBZ	8/17/2018	UG/L	ND	0.5	37.8115294	-122.2696738	MONITORING				EDF
T0600101354-MW6F	0	EBZ	8/23/2018	UG/L	ND	0.5	37.8115294	-122.2696738	MONITORING				EDF
T0600101354-MW6G	0	EBZ	8/17/2018	UG/L	ND	0.5	37.8118543	-122.2694954	MONITORING				EDF
T0600101354-MW6G	0	EBZ	8/23/2018	UG/L	ND	0.5	37.8118543	-122.2694954	MONITORING				EDF
T0600101354-MW6H	8	EBZ	8/20/2018	UG/L	=	5	37.8115921	-122.2692085	MONITORING				EDF
T0600101354-MW6H	24	EBZ	8/23/2018	UG/L	=	5	37.8115921	-122.2692085	MONITORING				EDF
T0600101354-MW6KB	0	EBZ	8/17/2018	UG/L	ND	0.5	37.811753	-122.2693055	MONITORING				EDF
T0600101354-MW6KB	0.95	EBZ	8/23/2018	UG/L	=	0.5	37.811753	-122.2693055	MONITORING				EDF
T0600101354-MW6LB	46	EBZ	8/23/2018	UG/L	=	5	37.8117004	-122.2692792	MONITORING				EDF
T0600101354-MW6LB	200	EBZ	8/17/2018	UG/L	=	5	37.8117004	-122.2692792	MONITORING				EDF
T0600101354-RW1	0	EBZ	8/23/2018	UG/L	ND	0.5	37.8115676	-122.2692665	MONITORING				EDF
T0600101354-RW1	1.5	EBZ	8/20/2018	UG/L	=	1	37.8115676	-122.2692665	MONITORING				EDF
T0600101354-RW2	0	EBZ	8/23/2018	UG/L	ND	0.5	37.81147	-122.269355	MONITORING				EDF
T0600101354-RW2	0	EBZ	8/17/2018	UG/L	ND	0.5	37.81147	-122.269355	MONITORING				EDF
T0600101354-RW3A	0	EBZ	8/17/2018	UG/L	ND	0.5	37.8117034	-122.2694594	MONITORING				EDF

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T0600101354-RW3A	0	EBZ	8/23/2018	UG/L	ND	2	37.8117034	-122.2694594	MONITORING				EDF
T0600101462-MW-4	0	EBZ	9/18/2018	UG/L	ND	0.5	37.62053679	-122.090061	MONITORING	24.6			EDF
T0600101462-MW-5	0	EBZ	9/19/2018	UG/L	ND	0.5	37.62029539	-122.0899704	MONITORING	24.1			EDF
T0600101462-MW-6	0	EBZ	9/18/2018	UG/L	ND	0.5	37.62041496	-122.090041	MONITORING	18			EDF
T0600101471-MW-1	2.4	EBZ	3/8/2019	UG/L	=	0.5	37.82761092	-122.2571456	MONITORING	50	5	15	EDF
T0600101471-MW-1	0	EBZ	9/22/2018	UG/L	ND	0.5	37.82761092	-122.2571456	MONITORING	50	5	15	EDF
T0600101471-MW-10	0	EBZ	9/22/2018	UG/L	ND	0.5	37.82700741	-122.256785	MONITORING	21.68	6	16	EDF
T0600101471-MW-10	0	EBZ	3/8/2019	UG/L	ND	0.5	37.82700741	-122.256785	MONITORING	21.68	6	16	EDF
T0600101471-MW-11	0	EBZ	3/8/2019	UG/L	ND	0.5	37.82710406	-122.2577798	MONITORING	19.11	5	14	EDF
T0600101471-MW-12	0	EBZ	3/8/2019	UG/L	ND	0.5	37.82685099	-122.2572995	MONITORING	17.67	5	12.5	EDF
T0600101471-MW-12	0	EBZ	9/22/2018	UG/L	ND	0.5	37.82685099	-122.2572995	MONITORING	17.67	5	12.5	EDF
T0600101471-MW-2	0	EBZ	3/8/2019	UG/L	ND	0.5	37.82752306	-122.2573559	MONITORING	19.81	5	15	EDF
T0600101471-MW-2	0	EBZ	9/22/2018	UG/L	ND	0.5	37.82752306	-122.2573559	MONITORING	19.81	5	15	EDF
T0600101471-MW-3	7.1	EBZ	9/22/2018	UG/L	=	0.5	37.82740618	-122.2571344	MONITORING	51.53	5	17.5	EDF
T0600101471-MW-3	4.5	EBZ	3/8/2019	UG/L	=	0.5	37.82740618	-122.2571344	MONITORING	51.53	5	17.5	EDF
T0600101471-MW-4	0.94	EBZ	9/22/2018	UG/L	=	0.5	37.82738425	-122.2570086	MONITORING	49.4	5	15	EDF
T0600101471-MW-4	0	EBZ	3/8/2019	UG/L	ND	0.5	37.82738425	-122.2570086	MONITORING	49.4	5	15	EDF
T0600101471-MW-5	0	EBZ	3/8/2019	UG/L	ND	0.5	37.82734417	-122.2570986	MONITORING	50.14	5	15	EDF
T0600101471-MW-5	1.7	EBZ	9/22/2018	UG/L	=	0.5	37.82734417	-122.2570986	MONITORING	50.14	5	15	EDF
T0600101471-MW-6	0	EBZ	9/22/2018	UG/L	ND	0.5	37.8276736	-122.2573353	MONITORING	51.18	5	15	EDF
T0600101471-MW-6	0	EBZ	3/8/2019	UG/L	ND	0.5	37.8276736	-122.2573353	MONITORING	51.18	5	15	EDF
T0600101471-MW-7	0	EBZ	3/8/2019	UG/L	ND	0.5	37.8275205	-122.2569387	MONITORING	19.63	5	15	EDF
T0600101471-MW-7	0	EBZ	9/22/2018	UG/L	ND	0.5	37.8275205	-122.2569387	MONITORING	19.63	5	15	EDF
T0600101471-MW-9	0	EBZ	3/8/2019	UG/L	ND	0.5	37.82707464	-122.2571944	MONITORING	20.35	5	17	EDF
T0600101471-RW-1	0	EBZ	9/22/2018	UG/L	ND	0.5	37.82734854	-122.2570096	MONITORING	16.34	5	10	EDF
T0600101471-RW-1	0	EBZ	3/8/2019	UG/L	ND	0.5	37.82734854	-122.2570096	MONITORING	16.34	5	10	EDF
T0600101486-MW-1	0.13	EBZ	8/2/2018	UG/L	=	0.5	37.7989084	-122.269708	MONITORING		13.5	20	EDF
T0600101486-MW-1	0	EBZ	2/7/2019	UG/L	ND	0.5	37.7989084	-122.269708	MONITORING		13.5	20	EDF
T0600101486-MW-2	0	EBZ	8/2/2018	UG/L	ND	0.5	37.7990429	-122.2697764	MONITORING		15	18	EDF
T0600101486-MW-2	0	EBZ	2/7/2019	UG/L	ND	0.5	37.7990429	-122.2697764	MONITORING		15	18	EDF
T0600101486-MW-3	1.1	EBZ	8/2/2018	UG/L	=	0.5	37.7988233	-122.269913	MONITORING		15	18	EDF
T0600101486-MW-3	1	EBZ	2/7/2019	UG/L	=	1	37.7988233	-122.269913	MONITORING		15	18	EDF
T0600101486-MW-4	0	EBZ	8/2/2018	UG/L	ND	0.5	37.7987867	-122.2698278	MONITORING		15	18	EDF
T0600101486-MW-4	0	EBZ	2/7/2019	UG/L	ND	0.5	37.7987867	-122.2698278	MONITORING		15	18	EDF
T0600101486-MW-5	2.1	EBZ	8/2/2018	UG/L	=	0.5	37.7988955	-122.2699818	MONITORING		15	17	EDF
T0600101486-MW-5	0.61	EBZ	2/7/2019	UG/L	=	0.5	37.7988955	-122.2699818	MONITORING		15	17	EDF
T0600101486-MW-6	0	EBZ	2/7/2019	UG/L	ND	0.5	37.7987744	-122.2699443	MONITORING		15	17	EDF
T0600101486-MW-6	0	EBZ	8/2/2018	UG/L	ND	0.5	37.7987744	-122.2699443	MONITORING		15	17	EDF

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T0600101486-MW-7	0	EBZ	8/2/2018	UG/L	ND	0.5	37.7986802	-122.2700798	MONITORING		13	20	EDF
T0600101486-MW-7	0	EBZ	2/7/2019	UG/L	ND	0.5	37.7986802	-122.2700798	MONITORING		13	20	EDF
T0600101486-MW-8	0	EBZ	2/7/2019	UG/L	ND	0.5	37.7986226	-122.269939	MONITORING		11	18	EDF
T0600101486-MW-8	0	EBZ	8/2/2018	UG/L	ND	0.5	37.7986226	-122.269939	MONITORING		11	18	EDF
T0600101557-EW1	920	EBZ	3/19/2019	UG/L	=	100	37.87913187	-122.2949668	MONITORING				EDF
T0600101557-EW1	1200	EBZ	10/12/2018	UG/L	=	500	37.87913187	-122.2949668	MONITORING				EDF
T0600101557-MW1	0	EBZ	10/11/2018	UG/L	ND	2.5	37.87892068	-122.2947985	MONITORING				EDF
T0600101557-MW1	0	EBZ	3/18/2019	UG/L	ND	5	37.87892068	-122.2947985	MONITORING				EDF
T0600101557-MW2	0	EBZ	10/11/2018	UG/L	ND	0.5	37.87910275	-122.2951631	MONITORING				EDF
T0600101557-MW2	0	EBZ	3/19/2019	UG/L	ND	0.5	37.87910275	-122.2951631	MONITORING				EDF
T0600101557-MW3	290	EBZ	3/18/2019	UG/L	=	50	37.87888851	-122.2949971	MONITORING		11	5	EDF
T0600101557-MW4	1300	EBZ	3/19/2019	UG/L	=	120	37.87900416	-122.2950725	MONITORING		11	5	EDF
T0600101557-MW5	230	EBZ	3/19/2019	UG/L	=	25	37.87903528	-122.2948687	MONITORING		11	5	EDF
T0600101557-OW1	0	EBZ	3/19/2019	UG/L	ND	0.5	37.87904213	-122.294991	MONITORING				EDF
T0600101557-OW1	0	EBZ	10/11/2018	UG/L	ND	0.5	37.87904213	-122.294991	MONITORING				EDF
T0600101557-P1	1500	EBZ	10/11/2018	UG/L	=	120	37.87870709	-122.2950329	MONITORING				EDF
T0600101557-P1	870	EBZ	3/18/2019	UG/L	=	50	37.87870709	-122.2950329	MONITORING				EDF
T0600101557-TEW3	0	EBZ	3/18/2019	UG/L	ND	0.5	37.87890099	-122.2949464	MONITORING				EDF
T0600101557-TEW3	0	EBZ	10/11/2018	UG/L	ND	0.5	37.87890099	-122.2949464	MONITORING				EDF
T0600101557-TEW4	130	EBZ	3/18/2019	UG/L	=	100	37.87888555	-122.2950545	MONITORING				EDF
T0600101557-TEW4	0	EBZ	10/11/2018	UG/L	ND	25	37.87888555	-122.2950545	MONITORING				EDF
T0600101691-DP-1	2.5	EBZ	8/14/2018	UG/L	=	0.5	37.8102664	-122.2878392	MONITORING	22.2			EDF
T0600101691-MW-2	0	EBZ	8/14/2018	UG/L	ND	0.5	37.8101168	-122.2879223	MONITORING	21.9			EDF
T0600101691-MW-4	0	EBZ	8/14/2018	UG/L	ND	0.5	37.8103521	-122.2880726	MONITORING	19.4			EDF
T0600101691-MW-5R	1.1	EBZ	8/14/2018	UG/L	=	0.5	37.810237	-122.2878348	MONITORING	20.2			EDF
T0600101691-MW-6	0	EBZ	8/14/2018	UG/L	ND	0.5	37.810248	-122.2877296	MONITORING	19.6			EDF
T0600101691-MW-7	0	EBZ	8/14/2018	UG/L	ND	0.5	37.8103527	-122.2877752	MONITORING	19.5			EDF
T0600101710-MW-1	470	EBZ	3/4/2019	UG/L	=	2	37.6867947	-122.1141531	MONITORING				EDF
T0600101710-MW-1	3400	EBZ	9/19/2018	UG/L	=	20	37.6867947	-122.1141531	MONITORING				EDF
T0600101710-MW-1	4900	EBZ	12/10/2018	UG/L	=	50	37.6867947	-122.1141531	MONITORING				EDF
T0600101710-MW-10	0	EBZ	9/11/2018	UG/L	ND	0.5	37.6867531	-122.1144942	MONITORING				EDF
T0600101710-MW-10	0	EBZ	12/10/2018	UG/L	ND	0.5	37.6867531	-122.1144942	MONITORING				EDF
T0600101710-MW-10	0	EBZ	3/4/2019	UG/L	ND	0.5	37.6867531	-122.1144942	MONITORING				EDF
T0600101710-MW-2	4200	EBZ	9/19/2018	UG/L	=	20	37.6868696	-122.1141333	MONITORING				EDF
T0600101710-MW-3	0	EBZ	3/4/2019	UG/L	ND	0.5	37.6869353	-122.1141461	MONITORING				EDF
T0600101710-MW-3	0	EBZ	9/19/2018	UG/L	ND	0.5	37.6869353	-122.1141461	MONITORING				EDF
T0600101710-MW-3	0	EBZ	12/10/2018	UG/L	ND	0.5	37.6869353	-122.1141461	MONITORING				EDF
T0600101710-MW-4	0	EBZ	9/19/2018	UG/L	ND	0.5	37.6868791	-122.1139556	MONITORING				EDF

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T0600101710-MW-4	0	EBZ	12/10/2018	UG/L	ND	0.5	37.6868791	-122.1139556	MONITORING				EDF
T0600101710-MW-4	0	EBZ	3/4/2019	UG/L	ND	0.5	37.6868791	-122.1139556	MONITORING				EDF
T0600101710-MW-5	0	EBZ	12/10/2018	UG/L	ND	0.5	37.6870315	-122.1140452	MONITORING				EDF
T0600101710-MW-5	0	EBZ	3/4/2019	UG/L	ND	0.5	37.6870315	-122.1140452	MONITORING				EDF
T0600101710-MW-5	0	EBZ	9/19/2018	UG/L	ND	0.5	37.6870315	-122.1140452	MONITORING				EDF
T0600101710-MW-6	0	EBZ	9/11/2018	UG/L	ND	0.5	37.6869659	-122.1143654	MONITORING				EDF
T0600101710-MW-6	0	EBZ	12/10/2018	UG/L	ND	0.5	37.6869659	-122.1143654	MONITORING				EDF
T0600101710-MW-6	0	EBZ	3/4/2019	UG/L	ND	0.5	37.6869659	-122.1143654	MONITORING				EDF
T0600101710-MW-7	0	EBZ	9/11/2018	UG/L	ND	0.5	37.6868434	-122.1143667	MONITORING				EDF
T0600101710-MW-7	0	EBZ	3/4/2019	UG/L	ND	0.5	37.6868434	-122.1143667	MONITORING				EDF
T0600101710-MW-7	0	EBZ	12/10/2018	UG/L	ND	0.5	37.6868434	-122.1143667	MONITORING				EDF
T0600101710-MW-8	0	EBZ	12/10/2018	UG/L	ND	0.5	37.6866236	-122.1141484	MONITORING				EDF
T0600101710-MW-8	0	EBZ	9/11/2018	UG/L	ND	0.5	37.6866236	-122.1141484	MONITORING				EDF
T0600101710-MW-8	0	EBZ	3/4/2019	UG/L	ND	0.5	37.6866236	-122.1141484	MONITORING				EDF
T0600101710-MW-9	0	EBZ	12/10/2018	UG/L	ND	0.5	37.6866135	-122.1144938	MONITORING				EDF
T0600101710-MW-9	0	EBZ	3/4/2019	UG/L	ND	0.5	37.6866135	-122.1144938	MONITORING				EDF
T0600101710-MW-9	0	EBZ	9/11/2018	UG/L	ND	0.5	37.6866135	-122.1144938	MONITORING				EDF
T0600101803-EW-2	0	EBZ	3/7/2019	UG/L	ND	50	37.76830625	-122.2395411	MONITORING		5	20	EDF
T0600101803-EW-2	0	EBZ	3/7/2019	UG/L	ND	50	37.76857195	-122.2396759	MONITORING		5	20	EDF
T0600101803-EW-4	0	EBZ	3/7/2019	UG/L	ND	5	37.76830625	-122.2395411	MONITORING		5	20	EDF
T0600101803-EW-4	0	EBZ	3/7/2019	UG/L	ND	5	37.76848306	-122.2394718	MONITORING		5	20	EDF
T0600101803-EW-5	6.3	EBZ	3/7/2019	UG/L	=	1.2	37.76851792	-122.2395519	MONITORING		5	20	EDF
T0600101803-EW-5	6.3	EBZ	3/7/2019	UG/L	=	1.2	37.76848306	-122.2394718	MONITORING		5	20	EDF
T0600101803-MW-1	0	EBZ	3/7/2019	UG/L	ND	100	37.76844679	-122.2394221	MONITORING		20	15	EDF
T0600101803-MW-2	5.6	EBZ	3/7/2019	UG/L	=	2.5	37.76830808	-122.2396278	MONITORING		20	15	EDF
T0600101803-MW-3	0	EBZ	3/7/2019	UG/L	ND	0.5	37.76845466	-122.2400246	MONITORING		20	15	EDF
T0600101803-MW-4	45	EBZ	3/7/2019	UG/L	=	25	37.76856246	-122.2396104	MONITORING		18	10	EDF
T0600101803-OW-2	0	EBZ	3/7/2019	UG/L	ND	0.5	37.76851792	-122.2395519	MONITORING		5	15	EDF
T0600101803-OW-2	0	EBZ	3/7/2019	UG/L	ND	0.5	37.76857195	-122.2396759	MONITORING		5	15	EDF
T0600101848-MW-2	0	EBZ	8/21/2018	UG/L	ND	0.5	37.83323682	-122.2810973	MONITORING	19.85	5	15	EDF
T0600101848-MW-3	2.8	EBZ	8/21/2018	UG/L	=	0.5	37.83318558	-122.2811679	MONITORING	19.73	5	15	EDF
T0600101855-MW6	0	EBZ	1/15/2019	UG/L	ND	0.5	37.845888	-122.2848764	MONITORING				EDF
T0600101855-MW7	0	EBZ	1/15/2019	UG/L	ND	0.5	37.8457611	-122.2850966	MONITORING				EDF
T0600101855-MW8	44	EBZ	1/15/2019	UG/L	=	2.5	37.845782	-122.2849776	MONITORING				EDF
T0600101876-MW-10	7	EBZ	12/26/2018	UG/L	=	0.5	37.8178495	-122.2724635	MONITORING		6	15	EDF
T0600101876-MW-4	110	EBZ	12/26/2018	UG/L	=	13	37.8173512	-122.272065	MONITORING		5	15	EDF
T0600101876-MW-5	5300	EBZ	12/26/2018	UG/L	=	100	37.8172632	-122.2718889	MONITORING		3	10	EDF
T0600101876-MW-6	17	EBZ	12/26/2018	UG/L	=	0.5	37.8174645	-122.2720202	MONITORING		3	10	EDF

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T0600101876-MW-8	5.8	EBZ	12/26/2018	UG/L	=	0.5	37.817512	-122.2720252	MONITORING				EDF
T0600101876-V-1	0	EBZ	12/26/2018	UG/L	ND	0.5	37.8175195	-122.2719747	MONITORING				EDF
T0600101876-V-2	2500	EBZ	12/26/2018	UG/L	=	25	37.8174101	-122.2719565	MONITORING				EDF
T0600101925-EW-1	46	EBZ	8/21/2018	UG/L	=	0.5	37.84422822	-122.2910435	MONITORING	18.71	4	15	EDF
T0600101925-EW-1	27	EBZ	5/17/2019	UG/L	=	0.5	37.84422822	-122.2910435	MONITORING	18.71	4	15	EDF
T0600101925-EW-2	53	EBZ	5/17/2019	UG/L	=	0.5	37.84416319	-122.2907727	MONITORING	18.89	4	15	EDF
T0600101925-EW-2	230	EBZ	8/21/2018	UG/L	=	2	37.84416319	-122.2907727	MONITORING	18.89	4	15	EDF
T0600101925-EW-3	0	EBZ	8/21/2018	UG/L	ND	0.5	37.84397533	-122.2908994	MONITORING	18.88	4	15	EDF
T0600101925-EW-3	0	EBZ	5/17/2019	UG/L	ND	0.5	37.84397533	-122.2908994	MONITORING	18.88	4	15	EDF
T0600101925-EW-4	0	EBZ	8/21/2018	UG/L	ND	0.5	37.8439952	-122.2912892	MONITORING	18.46	4	15	EDF
T0600101925-EW-4	0	EBZ	5/17/2019	UG/L	ND	0.5	37.8439952	-122.2912892	MONITORING	18.46	4	15	EDF
T0600102079-MW-1	1800	EBZ	12/6/2018	UG/L	=	10	37.76589218	-122.1775768	MONITORING				EDF
T0600102079-MW-1	1500	EBZ	8/21/2018	UG/L	=	20	37.76589218	-122.1775768	MONITORING				EDF
T0600102079-MW-1	910	EBZ	3/7/2019	UG/L	=	50	37.76589218	-122.1775768	MONITORING				EDF
T0600102079-MW-11	0	EBZ	12/6/2018	UG/L	ND	1	37.7660864	-122.1782518	MONITORING				EDF
T0600102079-MW-11	0	EBZ	3/7/2019	UG/L	ND	1	37.7660864	-122.1782518	MONITORING				EDF
T0600102079-MW-12	430	EBZ	12/6/2018	UG/L	=	10	37.7656087	-122.1776204	MONITORING				EDF
T0600102079-MW-12	390	EBZ	8/21/2018	UG/L	=	5	37.7656087	-122.1776204	MONITORING				EDF
T0600102079-MW-12	270	EBZ	3/7/2019	UG/L	=	5	37.7656087	-122.1776204	MONITORING				EDF
T0600102079-MW-2	9	EBZ	12/6/2018	UG/L	=	1	37.76567098	-122.1776975	MONITORING				EDF
T0600102079-MW-3	170	EBZ	3/7/2019	UG/L	=	20	37.76582064	-122.1777966	MONITORING				EDF
T0600102079-MW-3	16	EBZ	8/21/2018	UG/L	=	5	37.76582064	-122.1777966	MONITORING				EDF
T0600102079-MW-3	6	EBZ	12/6/2018	UG/L	=	1	37.76582064	-122.1777966	MONITORING				EDF
T0600102079-MW-4	0	EBZ	8/21/2018	UG/L	ND	1	37.76601045	-122.1776369	MONITORING				EDF
T0600102079-MW-4	0.3	EBZ	12/6/2018	UG/L	=	1	37.76601045	-122.1776369	MONITORING				EDF
T0600102079-MW-4	0	EBZ	3/7/2019	UG/L	ND	1	37.76601045	-122.1776369	MONITORING				EDF
T0600102079-MW-5	0	EBZ	8/21/2018	UG/L	ND	1	37.76596655	-122.1777309	MONITORING				EDF
T0600102079-MW-5	0	EBZ	3/7/2019	UG/L	ND	1	37.76596655	-122.1777309	MONITORING				EDF
T0600102079-MW-5	0	EBZ	12/6/2018	UG/L	ND	1	37.76596655	-122.1777309	MONITORING				EDF
T0600102079-MW-6	0	EBZ	8/21/2018	UG/L	ND	5	37.76591928	-122.1778258	MONITORING				EDF
T0600102079-MW-6	1	EBZ	12/6/2018	UG/L	=	1	37.76591928	-122.1778258	MONITORING				EDF
T0600102079-MW-6	0	EBZ	3/7/2019	UG/L	ND	1	37.76591928	-122.1778258	MONITORING				EDF
T0600102079-MW-7	6	EBZ	12/6/2018	UG/L	=	1	37.76584432	-122.1775026	MONITORING				EDF
T0600102099-AMW-1	0	EBZ	11/30/2018	UG/L	ND	1.2	37.848599	-122.293809	MONITORING		9	15	EDF
T0600102099-AMW-2	0	EBZ	11/30/2018	UG/L	ND	5	37.848553	-122.293436	MONITORING		9	15	EDF
T0600102099-AMW-3	14	EBZ	11/30/2018	UG/L	=	0.5	37.848784	-122.292876	MONITORING		8	15	EDF
T0600102099-MW-3	2100	EBZ	11/30/2018	UG/L	=	500	37.848702	-122.292651	MONITORING		9	20	EDF
T0600102099-TMW-07	0	EBZ	8/17/2018	UG/L	ND	1.7	37.848406	-122.292408	MONITORING		22	3.5	EDF

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T0600102099-TMW-07	0	EBZ	11/30/2018	UG/L	ND	2.5	37.848406	-122.292408	MONITORING		22	3.5	EDF
T0600102099-TMW-08	290	EBZ	8/17/2018	UG/L	=	36	37.84847	-122.292779	MONITORING		19.5	2.5	EDF
T0600102099-TMW-08	0	EBZ	11/30/2018	UG/L	ND	120	37.84847	-122.292779	MONITORING		19.5	2.5	EDF
T0600102099-TMW-09	3700	EBZ	8/17/2018	UG/L	=	250	37.848485	-122.292761	MONITORING		6	6	EDF
T0600102099-TMW-09	3000	EBZ	11/30/2018	UG/L	=	500	37.848485	-122.292761	MONITORING		6	6	EDF
T0600102154-MW-1	470	EBZ	9/13/2018	UG/L	=	10	37.688318	-122.1047831	MONITORING				EDF
T0600102154-MW-2	73	EBZ	9/13/2018	UG/L	=	0.5	37.6883669	-122.1050325	MONITORING				EDF
T0600102154-MW-3	270	EBZ	9/13/2018	UG/L	=	2.5	37.6882846	-122.1050907	MONITORING				EDF
T0600102154-MW-6	0	EBZ	9/13/2018	UG/L	ND	0.5	37.6883724	-122.1058182	MONITORING				EDF
T0600102154-MW-7	0	EBZ	9/13/2018	UG/L	ND	0.5	37.6881964	-122.1058685	MONITORING				EDF
T0600102230-MW-2	0	EBZ	2/13/2019	UG/L	ND	1	37.8064274	-122.2941934	MONITORING	14.11			EDF
T0600102230-MW-2	0	EBZ	8/14/2018	UG/L	ND	1	37.8064274	-122.2941934	MONITORING	14.11			EDF
T0600102230-MW-3	0.7	EBZ	2/13/2019	UG/L	ND	1	37.8064264	-122.2943482	MONITORING	13.9			EDF
T0600102230-MW-3	3.6	EBZ	8/14/2018	UG/L	=	1	37.8064264	-122.2943482	MONITORING	13.9			EDF
T0600102230-MW-4	0	EBZ	2/13/2019	UG/L	ND	1	37.8063643	-122.294315	MONITORING	13.32			EDF
T0600102230-MW-4	0	EBZ	8/14/2018	UG/L	ND	1	37.8063643	-122.294315	MONITORING	13.32			EDF
T0600102230-MW-5	0	EBZ	2/13/2019	UG/L	ND	1	37.8066241	-122.2945192	MONITORING	19.35			EDF
T0600102230-MW-6	0	EBZ	2/13/2019	UG/L	ND	1	37.8064437	-122.2945903	MONITORING	14			EDF
T0600102230-MW-6	0	EBZ	8/14/2018	UG/L	ND	1	37.8064437	-122.2945903	MONITORING	14			EDF
T0600102230-MW-7	0	EBZ	8/14/2018	UG/L	ND	1	37.8065942	-122.2940226	MONITORING	14.02			EDF
T0600102230-MW-7	0	EBZ	2/13/2019	UG/L	ND	1	37.8065942	-122.2940226	MONITORING	14.02			EDF
T0600102230-MW-8	0	EBZ	8/14/2018	UG/L	ND	1	37.8062964	-122.2946995	MONITORING	19.79			EDF
T0600102230-MW-8	0	EBZ	2/13/2019	UG/L	ND	1	37.8062964	-122.2946995	MONITORING	19.79			EDF
T0600102246-MW-1	0	EBZ	11/15/2018	UG/L	ND	0.5	37.8096784	-122.2922863	MONITORING	18.28	8	10	EDF
T0600102246-MW-2	0	EBZ	11/15/2018	UG/L	ND	0.5	37.8098872	-122.2924233	MONITORING	18.24	8	10	EDF
T0600102246-MW-3	0	EBZ	11/15/2018	UG/L	ND	0.5	37.8097929	-122.2925101	MONITORING	18.28	8	10	EDF
T0600102256-EX-1	0	EBZ	8/22/2018	UG/L	ND	0.5	37.6769888	-122.1428659	MONITORING				EDF
T0600102256-EX-2	0	EBZ	1/8/2019	UG/L	ND	0.5	37.6769411	-122.142666	MONITORING				EDF
T0600102256-EX-3	0	EBZ	1/8/2019	UG/L	ND	0.5	37.6768243	-122.1428945	MONITORING				EDF
T0600102256-EX-4	0	EBZ	1/8/2019	UG/L	ND	0.5	37.677039	-122.1427316	MONITORING				EDF
T0600102256-EX-5	0	EBZ	1/8/2019	UG/L	ND	0.5	37.6769531	-122.1427891	MONITORING				EDF
T0600102256-EX-6	0	EBZ	1/8/2019	UG/L	ND	0.5	37.6769257	-122.1429185	MONITORING				EDF
T0600102256-EX-6	0	EBZ	8/22/2018	UG/L	ND	0.5	37.6769257	-122.1429185	MONITORING				EDF
T0600102256-EX-7	0	EBZ	1/8/2019	UG/L	ND	0.5	37.6768275	-122.1427607	MONITORING				EDF
T0600102256-MW-1	0	EBZ	1/8/2019	UG/L	ND	0.5	37.676902	-122.1427262	MONITORING				EDF
T0600102256-MW-2	0	EBZ	1/8/2019	UG/L	ND	0.5	37.6768106	-122.1427932	MONITORING				EDF
T0600102256-MW-3	0	EBZ	1/8/2019	UG/L	ND	0.5	37.6769427	-122.142943	MONITORING				EDF
T0600102256-MW-3	0	EBZ	8/22/2018	UG/L	ND	0.5	37.6769427	-122.142943	MONITORING				EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top of Screen (FT)	Screen Length (FT)	Source
T0600102256-MW-4	0	EBZ	8/22/2018	UG/L	ND	0.5	37.6770233	-122.1428754	MONITORING				EDF
T0600102256-MW-5A	4	EBZ	1/8/2019	UG/L	=	1	37.6767822	-122.1429748	MONITORING				EDF
T0600102256-MW-5B	0	EBZ	1/8/2019	UG/L	ND	0.5	37.6767875	-122.1429744	MONITORING				EDF
T0600102256-MW-6A	2.6	EBZ	1/8/2019	UG/L	=	0.5	37.6768537	-122.1430796	MONITORING				EDF
T0600102256-MW-6B	0	EBZ	1/8/2019	UG/L	ND	0.5	37.6768608	-122.1430798	MONITORING				EDF
T0600102256-MW-7A	0.35	EBZ	1/8/2019	UG/L	=	0.5	37.6768469	-122.1432815	MONITORING				EDF
T0600102274-MW-1	0	EBZ	11/15/2018	UG/L	ND	0.5	37.61826	-122.06388	MONITORING	30.14	11.5	20	EDF
T0600102274-MW-1	0	EBZ	5/15/2019	UG/L	ND	0.5	37.61826	-122.06388	MONITORING	30.14	11.5	20	EDF
T0600102274-MW-10	0	EBZ	11/15/2018	UG/L	ND	0.5	37.61839	-122.06406	MONITORING	19.08	20		EDF
T0600102274-MW-10	0	EBZ	5/15/2019	UG/L	ND	0.5	37.61839	-122.06406	MONITORING	19.08	20		EDF
T0600102274-MW-10	0	EBZ	8/21/2018	UG/L	ND	0.5	37.61839	-122.06406	MONITORING	19.08	20		EDF
T0600102274-MW-2	0	EBZ	11/15/2018	UG/L	ND	0.5	37.61855	-122.06392	MONITORING	22.32	15.5	15	EDF
T0600102274-MW-2	0	EBZ	5/15/2019	UG/L	ND	0.5	37.61855	-122.06392	MONITORING	22.32	15.5	15	EDF
T0600102274-MW-3	0	EBZ	5/15/2019	UG/L	ND	0.5	37.61888	-122.06396	MONITORING	23.78	16.5	15	EDF
T0600102274-MW-3	0	EBZ	11/15/2018	UG/L	ND	0.5	37.61888	-122.06396	MONITORING	23.78	16.5	15	EDF
T0600102274-MW-4	0	EBZ	11/15/2018	UG/L	ND	0.5	37.61899	-122.06416	MONITORING	23.45	10	15	EDF
T0600102274-MW-4	0	EBZ	5/15/2019	UG/L	ND	0.5	37.61899	-122.06416	MONITORING	23.45	10	15	EDF
T0600102274-MW-5	0	EBZ	5/15/2019	UG/L	ND	0.5	37.6188	-122.06438	MONITORING	28.15	11.5	20	EDF
T0600102274-MW-5	0	EBZ	11/15/2018	UG/L	ND	0.5	37.6188	-122.06438	MONITORING	28.15	11.5	20	EDF
T0600102274-MW-6	0	EBZ	5/15/2019	UG/L	ND	0.5	37.61847	-122.06429	MONITORING	28.73	11.5	20	EDF
T0600102274-MW-6	0	EBZ	11/15/2018	UG/L	ND	0.5	37.61847	-122.06429	MONITORING	28.73	11.5	20	EDF
T0600102274-MW-7	0	EBZ	11/15/2018	UG/L	ND	0.5	37.61811	-122.06427	MONITORING	23.82	11.5	15	EDF
T0600102274-MW-7	0	EBZ	5/15/2019	UG/L	ND	0.5	37.61811	-122.06427	MONITORING	23.82	11.5	15	EDF
T0600102274-MW-8	0	EBZ	5/15/2019	UG/L	ND	0.5	37.61894	-122.0641	MONITORING	19.97	20		EDF
T0600102274-MW-8	0	EBZ	11/15/2018	UG/L	ND	0.5	37.61894	-122.0641	MONITORING	19.97	20		EDF
T0600102274-MW-8	0	EBZ	8/21/2018	UG/L	ND	0.5	37.61894	-122.0641	MONITORING	19.97	20		EDF
T0600102274-MW-9	0	EBZ	8/21/2018	UG/L	ND	0.5	37.61869	-122.06415	MONITORING	19.4	20		EDF
T0600102274-MW-9	0	EBZ	11/15/2018	UG/L	ND	0.5	37.61869	-122.06415	MONITORING	19.4	20		EDF
T0600102274-MW-9	0	EBZ	5/15/2019	UG/L	ND	0.5	37.61869	-122.06415	MONITORING	19.4	20		EDF
T0600102279-MW-10A	660	EBZ	1/10/2019	UG/L	=	6	37.787777	-122.1948474	MONITORING	14.51			EDF
T0600102279-MW-10B	310	EBZ	1/10/2019	UG/L	=	3	37.7877881	-122.1948392	MONITORING	19.25			EDF
T0600102279-MW-10S	12	EBZ	1/10/2019	UG/L	=	0.3	37.7878032	-122.1948124	MONITORING	10.35			EDF
T0600102279-MW-11A	1200	EBZ	1/10/2019	UG/L	=	30	37.7875179	-122.1947515	MONITORING	15			EDF
T0600102279-MW-11B	910	EBZ	1/10/2019	UG/L	=	60	37.7875008	-122.1947635	MONITORING	20.19			EDF
T0600102279-MW-11S	0	EBZ	1/10/2019	UG/L	ND	0.3	37.7875186	-122.1947398	MONITORING	10.16			EDF
T0600102279-MW-12	960	EBZ	1/10/2019	UG/L	=	50	37.787791	-122.1948149	MONITORING	22.76			EDF
T0600102279-MW-1B	0	EBZ	1/10/2019	UG/L	ND	0.3	37.7877602	-122.194861	MONITORING	24.89			EDF
T0600102279-MW-2B	0	EBZ	1/10/2019	UG/L	ND	0.3	37.7875576	-122.1948223	MONITORING	24.87			EDF

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T0600102279-MW-3B	45	EBZ	1/10/2019	UG/L	=	3	37.7875574	-122.1946655	MONITORING	24.92			EDF
T0600102279-MW-4B	0	EBZ	1/10/2019	UG/L	ND	0.3	37.7877067	-122.1945995	MONITORING	24.8			EDF
T0600102279-MW-5	0	EBZ	1/10/2019	UG/L	ND	0.3	37.7877993	-122.1951072	MONITORING	25.3			EDF
T0600102279-MW-7	0	EBZ	1/10/2019	UG/L	ND	0.3	37.7874591	-122.1949929	MONITORING	23.94			EDF
T0600102279-MW-9A	0	EBZ	1/10/2019	UG/L	ND	15	37.7877426	-122.1949142	MONITORING	15.11			EDF
T0600102279-MW-9B	0	EBZ	1/10/2019	UG/L	ND	0.3	37.7877351	-122.1949255	MONITORING	20.15			EDF
T0600102279-PZ-2	1900	EBZ	1/10/2019	UG/L	=	50	37.7877729	-122.1948397	MONITORING	18.7			EDF
T0600102279-PZ-3	2.1	EBZ	1/10/2019	UG/L	=	0.5	37.7877684	-122.1948786	MONITORING	17.8			EDF
T0600173887-MW-5	1	EBZ	12/13/2018	UG/L	=	1	37.82827	-122.2744264	MONITORING	24.98			EDF
T0600173887-MW-7	4	EBZ	12/13/2018	UG/L	=	1	37.8278966	-122.2743868	MONITORING	24.95			EDF
T0600173887-MW-8	0	EBZ	12/13/2018	UG/L	ND	1	37.8279607	-122.2749512	MONITORING	24.95			EDF
T0600174667-EW-1	110	EBZ	9/27/2018	UG/L	=	2.5	37.7954681	-122.2557688	MONITORING				EDF
T0600174667-EW-2	10	EBZ	9/27/2018	UG/L	=	0.5	37.7955181	-122.2556138	MONITORING				EDF
T0600174667-MW-1	280	EBZ	9/27/2018	UG/L	=	10	37.7954787	-122.2558721	MONITORING				EDF
T0600174667-MW-2	5.6	EBZ	9/27/2018	UG/L	=	0.5	37.79547	-122.2555203	MONITORING				EDF
T0600174667-MW-3	43	EBZ	9/27/2018	UG/L	=	0.5	37.7954191	-122.2557866	MONITORING				EDF
T0600174667-MW-4	85	EBZ	9/27/2018	UG/L	=	10	37.795549	-122.2555556	MONITORING				EDF
T0600174667-MW-6	12	EBZ	9/27/2018	UG/L	=	0.5	37.7954532	-122.255829	MONITORING				EDF
T0600187562-MW-1	260	EBZ	5/7/2019	UG/L	=	2	37.7227846	-122.1568435	MONITORING		19	15	EDF
T0600187562-MW-1	590	EBZ	11/7/2018	UG/L	=	10	37.7227846	-122.1568435	MONITORING		19	15	EDF
T0600187562-MW-12	1.3	EBZ	5/7/2019	UG/L	=	1	37.7223155	-122.1570507	MONITORING				EDF
T0600187562-MW-12	5.2	EBZ	11/7/2018	UG/L	=	1.5	37.7223155	-122.1570507	MONITORING				EDF
T0600187562-MW-13	620	EBZ	5/7/2019	UG/L	=	4	37.7221021	-122.1571449	MONITORING				EDF
T0600187562-MW-13	390	EBZ	11/7/2018	UG/L	=	4	37.7221021	-122.1571449	MONITORING				EDF
T0600187562-MW-14	110	EBZ	11/7/2018	UG/L	=	4	37.7223981	-122.157435	MONITORING				EDF
T0600187562-MW-14	93	EBZ	5/7/2019	UG/L	=	1	37.7223981	-122.157435	MONITORING				EDF
T0600187562-MW-2	0	EBZ	11/7/2018	UG/L	ND	10	37.7226744	-122.1567929	MONITORING		19	15	EDF
T0600187562-MW-2	1.9	EBZ	5/7/2019	UG/L	=	1.5	37.7226744	-122.1567929	MONITORING		19	15	EDF
T0600187562-MW-3	480	EBZ	5/7/2019	UG/L	=	5	37.7225395	-122.156751	MONITORING		19	15	EDF
T0600187562-MW-3	300	EBZ	11/7/2018	UG/L	=	10	37.7225395	-122.156751	MONITORING		19	15	EDF
T0600187562-MW-4	370	EBZ	5/7/2019	UG/L	=	2.5	37.7223659	-122.1565512	MONITORING		19	15	EDF
T0600187562-MW-5	770	EBZ	11/7/2018	UG/L	=	10	37.7224013	-122.1564622	MONITORING		19	15	EDF
T0600187562-MW-5	280	EBZ	5/7/2019	UG/L	=	2.5	37.7224013	-122.1564622	MONITORING		19	15	EDF
T0600187562-MW-6	21	EBZ	5/7/2019	UG/L	=	1	37.7226639	-122.156435	MONITORING		19	15	EDF
T0600187562-MW-6	39	EBZ	11/7/2018	UG/L	=	2	37.7226639	-122.156435	MONITORING		19	15	EDF
T0600187562-MW-7	610	EBZ	11/7/2018	UG/L	=	5	37.7228168	-122.1563176	MONITORING		19	15	EDF
T0600187562-MW-7	410	EBZ	5/7/2019	UG/L	=	2.5	37.7228168	-122.1563176	MONITORING		19	15	EDF
T0600187562-MW-8	270	EBZ	5/7/2019	UG/L	=	2	37.7225655	-122.1566223	MONITORING		19	15	EDF

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T0600187562-MW-8	520	EBZ	11/7/2018	UG/L	=	5	37.7225655	-122.1566223	MONITORING		19	15	EDF
T0600187562-MW-9	410	EBZ	5/7/2019	UG/L	=	4	37.7228771	-122.1568893	MONITORING				EDF
T0600187562-MW-9	210	EBZ	11/7/2018	UG/L	=	4	37.7228771	-122.1568893	MONITORING				EDF
T0600191487-MW-1	0	EBZ	8/9/2018	UG/L	ND	0.5	37.7793902	-122.2408963	MONITORING	15.23	15	10	EDF
T0600191487-MW-2	0	EBZ	8/9/2018	UG/L	ND	0.5	37.7792014	-122.2405831	MONITORING	19.45	19	10	EDF
T0600191487-MW-3	0	EBZ	8/9/2018	UG/L	ND	0.5	37.7792255	-122.2413002	MONITORING	19.36	19	10	EDF
T0600191487-MW-4	33	EBZ	8/9/2018	UG/L	=	0.5	37.779271	-122.2409157	MONITORING	20			EDF
T0600191487-RW-1	460	EBZ	8/9/2018	UG/L	=	2.5	37.7793603	-122.2407208	MONITORING	13.13			EDF
T0600191487-RW-2	350	EBZ	8/9/2018	UG/L	=	2.5	37.7793601	-122.2407797	MONITORING	13.01			EDF
T0600194038-EW-1	0	EBZ	12/19/2018	UG/L	ND	1	37.85622427	-122.260501	MONITORING	24.65			EDF
T0600194038-EW-2	0	EBZ	12/19/2018	UG/L	ND	1	37.85634555	-122.260526	MONITORING	23.92			EDF
T0600194038-EW-3	0	EBZ	12/19/2018	UG/L	ND	1	37.85646948	-122.2605598	MONITORING	24.92			EDF
T0600194038-MW-10	0	EBZ	12/19/2018	UG/L	ND	1	37.85629706	-122.2598466	MONITORING	19.4			EDF
T0600194038-MW-4	0.3	EBZ	12/19/2018	UG/L	ND	1	37.85625235	-122.2601986	MONITORING	15.27			EDF
T0600194038-MW-5	0	EBZ	12/19/2018	UG/L	ND	1	37.85644941	-122.2605194	MONITORING	10.53			EDF
T0600194038-MW-6	0	EBZ	12/19/2018	UG/L	ND	1	37.8559393	-122.2602924	MONITORING	18.78			EDF
T0600194038-MW-7	3	EBZ	12/19/2018	UG/L	=	1	37.85623806	-122.2604732	MONITORING	18.58			EDF
T0600194038-MW-8	0	EBZ	12/19/2018	UG/L	ND	1	37.85654894	-122.2602659	MONITORING	18.5			EDF
T0600194038-MW-9	0	EBZ	12/19/2018	UG/L	ND	1	37.85663274	-122.2601743	MONITORING	19.5			EDF
T0601300018-BC-1	22	EBZ	3/26/2019	UG/L	=	0.5	37.9469494	-122.3304081	MONITORING		29	15	EDF
T0601300018-BC-1	53	EBZ	9/25/2018	UG/L	=	0.5	37.9469494	-122.3304081	MONITORING		29	15	EDF
T0601300018-BC-2	1400	EBZ	9/25/2018	UG/L	=	50	37.9470222	-122.3301524	MONITORING		30	16	EDF
T0601300018-BC-2	1500	EBZ	3/26/2019	UG/L	=	50	37.9470222	-122.3301524	MONITORING		30	16	EDF
T0601300018-BC-3	0.98	EBZ	9/25/2018	UG/L	=	0.5	37.9468254	-122.3303078	MONITORING		30	16	EDF
T0601300018-BC-3	31	EBZ	3/26/2019	UG/L	=	0.5	37.9468254	-122.3303078	MONITORING		30	16	EDF
T0601300018-BC-4	2.2	EBZ	3/25/2019	UG/L	=	0.5	37.9468804	-122.3301933	MONITORING		60	15	EDF
T0601300018-BC-4	0	EBZ	9/25/2018	UG/L	ND	0.5	37.9468804	-122.3301933	MONITORING		60	15	EDF
T0601300018-MW-1	19	EBZ	3/25/2019	UG/L	=	0.5	37.94692	-122.3300951	MONITORING		31	15	EDF
T0601300018-MW-1	0	EBZ	9/25/2018	UG/L	ND	0.5	37.94692	-122.3300951	MONITORING		31	15	EDF
T0601300018-MW-2	0	EBZ	3/26/2019	UG/L	ND	0.5	37.9471901	-122.3302338	MONITORING		29	20	EDF
T0601300018-MW-2	0	EBZ	9/25/2018	UG/L	ND	0.5	37.9471901	-122.3302338	MONITORING		29	20	EDF
T0601300018-MW-3	0	EBZ	9/25/2018	UG/L	ND	0.5	37.9471482	-122.3304995	MONITORING		30	20	EDF
T0601300018-MW-3	0.61	EBZ	3/25/2019	UG/L	=	0.5	37.9471482	-122.3304995	MONITORING		30	20	EDF
T0601300018-MW-4	1200	EBZ	9/25/2018	UG/L	=	10	37.9470304	-122.3304604	MONITORING		31	15	EDF
T0601300018-MW-4	1000	EBZ	3/26/2019	UG/L	=	10	37.9470304	-122.3304604	MONITORING		31	15	EDF
T0601300018-MW-5	0	EBZ	3/26/2019	UG/L	ND	0.5	37.947122	-122.3301095	MONITORING		20	20	EDF
T0601300018-MW-5	0	EBZ	9/25/2018	UG/L	ND	0.5	37.947122	-122.3301095	MONITORING		20	20	EDF
T0601300018-MW-6	0	EBZ	3/26/2019	UG/L	ND	0.5	37.9468688	-122.3300084	MONITORING		20	20	EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top of Screen (FT)	Screen Length (FT)	Source
T0601300018-MW-7	0	EBZ	3/26/2019	UG/L	ND	0.5	37.9467447	-122.3301973	MONITORING		20	20	EDF
T0601300018-MW-8	0	EBZ	3/26/2019	UG/L	ND	0.5	37.9471712	-122.3309861	MONITORING		20	20	EDF
T0601300018-MW-8	0.75	EBZ	9/25/2018	UG/L	=	0.5	37.9471712	-122.3309861	MONITORING		20	20	EDF
T0601300019-BC-1	4	EBZ	8/28/2018	UG/L	=	0.5	37.9380886	-122.3480436	MONITORING		5	10	EDF
T0601300019-BC-1	1.8	EBZ	2/25/2019	UG/L	=	0.5	37.9380886	-122.3480436	MONITORING		5	10	EDF
T0601300019-MW-2	0	EBZ	8/28/2018	UG/L	ND	0.5	37.9383401	-122.348031	MONITORING		5	10	EDF
T0601300019-MW-2	0	EBZ	2/25/2019	UG/L	ND	0.5	37.9383401	-122.348031	MONITORING		5	10	EDF
T0601300019-MW-3	0	EBZ	2/26/2019	UG/L	ND	0.5	37.9383336	-122.347729	MONITORING		5	10	EDF
T0601300019-MW-3	0	EBZ	8/28/2018	UG/L	ND	0.5	37.9383336	-122.347729	MONITORING		5	10	EDF
T0601300019-MW-4	110	EBZ	2/26/2019	UG/L	=	5	37.9381052	-122.3477081	MONITORING		5	10	EDF
T0601300019-MW-4	7.1	EBZ	8/28/2018	UG/L	=	0.5	37.9381052	-122.3477081	MONITORING		5	10	EDF
T0601300019-MW-5	1900	EBZ	8/28/2018	UG/L	=	25	37.9382254	-122.3480525	MONITORING		5	10	EDF
T0601300019-MW-5	2300	EBZ	2/26/2019	UG/L	=	100	37.9382254	-122.3480525	MONITORING		5	10	EDF
T0601300019-MW-6	0	EBZ	2/25/2019	UG/L	ND	0.5	37.938173	-122.3484841	MONITORING		5	10	EDF
T0601300019-MW-6	0	EBZ	8/28/2018	UG/L	ND	0.5	37.938173	-122.3484841	MONITORING		5	10	EDF
T0601300019-MW-7	1.2	EBZ	8/28/2018	UG/L	=	0.5	37.9379917	-122.3484899	MONITORING		5	10	EDF
T0601300019-MW-7	0	EBZ	2/25/2019	UG/L	ND	0.5	37.9379917	-122.3484899	MONITORING		5	10	EDF
T0601300019-VE-1	66	EBZ	8/28/2018	UG/L	=	1	37.9383056	-122.3480761	MONITORING				EDF
T0601300019-VE-1	430	EBZ	2/26/2019	UG/L	=	5	37.9383056	-122.3480761	MONITORING				EDF
T0601300019-VE-2	0.5	EBZ	8/28/2018	UG/L	=	0.5	37.9382025	-122.3480978	MONITORING				EDF
T0601300019-VE-2	0	EBZ	2/26/2019	UG/L	ND	0.5	37.9382025	-122.3480978	MONITORING				EDF
T0601300023-DW-6	0	EBZ	11/28/2018	UG/L	ND	1	37.91412631	-122.36545	MONITORING		3	7	EDF
T0601300023-DW-6	0	EBZ	2/6/2019	UG/L	ND	1	37.91412631	-122.36545	MONITORING		3	7	EDF
T0601300023-DW-6	0	EBZ	8/29/2018	UG/L	ND	1	37.91412631	-122.36545	MONITORING		3	7	EDF
T0601300023-DW-7	0	EBZ	8/29/2018	UG/L	ND	1	37.91406885	-122.365765	MONITORING		3	7	EDF
T0601300023-DW-7	0	EBZ	11/28/2018	UG/L	ND	1	37.91406885	-122.365765	MONITORING		3	7	EDF
T0601300023-DW-7	0	EBZ	2/6/2019	UG/L	ND	1	37.91406885	-122.365765	MONITORING		3	7	EDF
T0601300023-DW-8	0	EBZ	8/28/2018	UG/L	ND	1	37.91410106	-122.3662978	MONITORING		3	7	EDF
T0601300023-DW-8	0	EBZ	11/28/2018	UG/L	ND	1	37.91410106	-122.3662978	MONITORING		3	7	EDF
T0601300023-DW-8	0	EBZ	2/6/2019	UG/L	ND	1	37.91410106	-122.3662978	MONITORING		3	7	EDF
T0601300023-E-2	0	EBZ	11/27/2018	UG/L	ND	1	37.91265903	-122.3652287	MONITORING		6	2	EDF
T0601300023-E-2	0	EBZ	8/30/2018	UG/L	ND	1	37.91265903	-122.3652287	MONITORING		6	2	EDF
T0601300023-E-2	0	EBZ	2/6/2019	UG/L	ND	1	37.91265903	-122.3652287	MONITORING		6	2	EDF
T0601300023-E-7	0	EBZ	2/6/2019	UG/L	ND	1	37.9125866	-122.3652198	MONITORING		6	2	EDF
T0601300023-E-7	0	EBZ	11/27/2018	UG/L	ND	1	37.9125866	-122.3652198	MONITORING		6	2	EDF
T0601300023-E-7	0	EBZ	8/30/2018	UG/L	ND	1	37.9125866	-122.3652198	MONITORING		6	2	EDF
T0601300023-EW-2	0	EBZ	8/30/2018	UG/L	ND	1	37.91337222	-122.3684511	MONITORING		3	6	EDF
T0601300023-MW-1	0	EBZ	8/29/2018	UG/L	ND	1	37.91249309	-122.3674511	MONITORING		5	15	EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top of Screen (FT)	Screen Length (FT)	Source
T0601300023-MW-1	0	EBZ	2/12/2019	UG/L	ND	1	37.91249309	-122.3674511	MONITORING		5	15	EDF
T0601300023-MW-10L	0	EBZ	8/28/2018	UG/L	ND	1	37.91127998	-122.3659261	MONITORING		4.5	7.5	EDF
T0601300023-MW-10L	0	EBZ	2/7/2019	UG/L	ND	1	37.91127998	-122.3659261	MONITORING		4.5	7.5	EDF
T0601300023-MW-11L	0	EBZ	8/30/2018	UG/L	ND	1	37.91302812	-122.3678485	MONITORING		4.5	8	EDF
T0601300023-MW-11L	0	EBZ	2/7/2019	UG/L	ND	1	37.91302812	-122.3678485	MONITORING		4.5	8	EDF
T0601300023-MW-12L	0	EBZ	8/30/2018	UG/L	ND	20	37.91273061	-122.3667516	MONITORING		4.5	5	EDF
T0601300023-MW-12L	0	EBZ	11/28/2018	UG/L	ND	1	37.91273061	-122.3667516	MONITORING		4.5	5	EDF
T0601300023-MW-13L	0	EBZ	8/28/2018	UG/L	ND	1	37.91247256	-122.3670282	MONITORING		4.5	7.5	EDF
T0601300023-MW-13L	0	EBZ	2/7/2019	UG/L	ND	1	37.91247256	-122.3670282	MONITORING		4.5	7.5	EDF
T0601300023-MW-14L	0	EBZ	2/7/2019	UG/L	ND	1	37.91201547	-122.36628	MONITORING		4.5	8	EDF
T0601300023-MW-14L	0	EBZ	8/28/2018	UG/L	ND	1	37.91201547	-122.36628	MONITORING		4.5	8	EDF
T0601300023-MW-15R	0	EBZ	2/12/2019	UG/L	ND	1	37.91144743	-122.3665209	MONITORING		4	4	EDF
T0601300023-MW-15R	0	EBZ	8/29/2018	UG/L	ND	1	37.91144743	-122.3665209	MONITORING		4	4	EDF
T0601300023-MW-16L	0	EBZ	8/29/2018	UG/L	ND	1	37.91196422	-122.365499	MONITORING		3	10	EDF
T0601300023-MW-16L	0	EBZ	2/7/2019	UG/L	ND	1	37.91196422	-122.365499	MONITORING		3	10	EDF
T0601300023-MW-17AL	0	EBZ	8/29/2018	UG/L	ND	1	37.91241464	-122.3652232	MONITORING		3	12.5	EDF
T0601300023-MW-17AL	0	EBZ	2/6/2019	UG/L	ND	1	37.91241464	-122.3652232	MONITORING		3	12.5	EDF
T0601300023-MW-18L	0	EBZ	8/30/2018	UG/L	ND	1	37.9129135	-122.3655204	MONITORING		3	10	EDF
T0601300023-MW-18L	0	EBZ	2/6/2019	UG/L	ND	1	37.9129135	-122.3655204	MONITORING		3	10	EDF
T0601300023-MW-19L	0	EBZ	8/30/2018	UG/L	ND	1	37.91365855	-122.3656585	MONITORING		3	10	EDF
T0601300023-MW-19L	0	EBZ	2/6/2019	UG/L	ND	1	37.91365855	-122.3656585	MONITORING		3	10	EDF
T0601300023-MW-19L	0	EBZ	11/28/2018	UG/L	ND	1	37.91365855	-122.3656585	MONITORING		3	10	EDF
T0601300023-MW-1L	0	EBZ	8/29/2018	UG/L	ND	1	37.91396137	-122.3688233	MONITORING		4.5	8	EDF
T0601300023-MW-1L	0	EBZ	2/7/2019	UG/L	ND	1	37.91396137	-122.3688233	MONITORING		4.5	8	EDF
T0601300023-MW-1U	0	EBZ	2/7/2019	UG/L	ND	1	37.91269383	-122.3692086	MONITORING		4.5	7.5	EDF
T0601300023-MW-1U	0	EBZ	8/30/2018	UG/L	ND	1	37.91269383	-122.3692086	MONITORING		4.5	7.5	EDF
T0601300023-MW-2	0	EBZ	8/29/2018	UG/L	ND	1	37.91245695	-122.3665882	MONITORING		5	15	EDF
T0601300023-MW-2	0	EBZ	2/7/2019	UG/L	ND	1	37.91245695	-122.3665882	MONITORING		5	15	EDF
T0601300023-MW-20L	0	EBZ	8/30/2018	UG/L	ND	1	37.91390561	-122.3675069	MONITORING		3.5	6	EDF
T0601300023-MW-20L	0	EBZ	2/7/2019	UG/L	ND	1	37.91390561	-122.3675069	MONITORING		3.5	6	EDF
T0601300023-MW-21L	0	EBZ	2/12/2019	UG/L	ND	1	37.91347861	-122.3664333	MONITORING		3.5	6	EDF
T0601300023-MW-21L	0	EBZ	8/30/2018	UG/L	ND	1	37.91347861	-122.3664333	MONITORING		3.5	6	EDF
T0601300023-MW-22L	0	EBZ	2/6/2019	UG/L	ND	1	37.9127572	-122.3661939	MONITORING		3	10	EDF
T0601300023-MW-22L	0	EBZ	8/30/2018	UG/L	ND	1	37.9127572	-122.3661939	MONITORING		3	10	EDF
T0601300023-MW-23LD	0	EBZ	8/29/2018	UG/L	ND	1	37.91218984	-122.3666264	MONITORING		30	5.5	EDF
T0601300023-MW-23LD	0	EBZ	11/28/2018	UG/L	ND	1	37.91218984	-122.3666264	MONITORING		30	5.5	EDF
T0601300023-MW-23LD	0	EBZ	2/7/2019	UG/L	ND	1	37.91218984	-122.3666264	MONITORING		30	5.5	EDF
T0601300023-MW-23LS	0	EBZ	2/7/2019	UG/L	ND	1	37.91218981	-122.3666272	MONITORING		18	4.5	EDF

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T0601300023-MW-23LS	0	EBZ	8/29/2018	UG/L	ND	1	37.91218981	-122.3666272	MONITORING		18	4.5	EDF
T0601300023-MW-24D	0	EBZ	2/6/2019	UG/L	ND	1	37.9126112	-122.3654804	MONITORING		26	5	EDF
T0601300023-MW-24D	0	EBZ	11/28/2018	UG/L	ND	1	37.9126112	-122.3654804	MONITORING		26	5	EDF
T0601300023-MW-24D	0	EBZ	8/30/2018	UG/L	ND	1	37.9126112	-122.3654804	MONITORING		26	5	EDF
T0601300023-MW-25D	0	EBZ	2/7/2019	UG/L	ND	1	37.91196867	-122.3654887	MONITORING		30	3	EDF
T0601300023-MW-25D	0	EBZ	11/28/2018	UG/L	ND	1	37.91196867	-122.3654887	MONITORING		30	3	EDF
T0601300023-MW-25D	0	EBZ	8/29/2018	UG/L	ND	1	37.91196867	-122.3654887	MONITORING		30	3	EDF
T0601300023-MW-26L	0	EBZ	11/28/2018	UG/L	ND	1	37.91292756	-122.3667119	MONITORING		3	7	EDF
T0601300023-MW-26L	0	EBZ	8/30/2018	UG/L	ND	200	37.91292756	-122.3667119	MONITORING		3	7	EDF
T0601300023-MW-26L	0	EBZ	2/12/2019	UG/L	ND	1	37.91292756	-122.3667119	MONITORING		3	7	EDF
T0601300023-MW-27L	0	EBZ	11/28/2018	UG/L	ND	1	37.91345646	-122.3677006	MONITORING		3	10	EDF
T0601300023-MW-27L	0	EBZ	2/7/2019	UG/L	ND	1	37.91345646	-122.3677006	MONITORING		3	10	EDF
T0601300023-MW-27L	0	EBZ	8/30/2018	UG/L	ND	1	37.91345646	-122.3677006	MONITORING		3	10	EDF
T0601300023-MW-28L	0	EBZ	11/28/2018	UG/L	ND	1	37.91384278	-122.3678882	MONITORING		3	10	EDF
T0601300023-MW-28L	0	EBZ	2/12/2019	UG/L	ND	1	37.91384278	-122.3678882	MONITORING		3	10	EDF
T0601300023-MW-28L	0	EBZ	8/30/2018	UG/L	ND	1	37.91384278	-122.3678882	MONITORING		3	10	EDF
T0601300023-MW-29L	0	EBZ	8/29/2018	UG/L	ND	1	37.91266891	-122.3653699	MONITORING		4	4	EDF
T0601300023-MW-29L	0	EBZ	11/27/2018	UG/L	ND	1	37.91266891	-122.3653699	MONITORING		4	4	EDF
T0601300023-MW-2L	0	EBZ	8/29/2018	UG/L	ND	1	37.91405824	-122.3671219	MONITORING		4.5	9	EDF
T0601300023-MW-2L	0	EBZ	2/7/2019	UG/L	ND	1	37.91405824	-122.3671219	MONITORING		4.5	9	EDF
T0601300023-MW-3	0	EBZ	11/28/2018	UG/L	ND	1	37.91169268	-122.3666247	MONITORING		5	15	EDF
T0601300023-MW-3	0	EBZ	8/30/2018	UG/L	ND	1	37.91169268	-122.3666247	MONITORING		5	15	EDF
T0601300023-MW-3	0	EBZ	2/7/2019	UG/L	ND	1	37.91169268	-122.3666247	MONITORING		5	15	EDF
T0601300023-MW-3L	0	EBZ	2/7/2019	UG/L	ND	1	37.91404894	-122.3664546	MONITORING		5	9	EDF
T0601300023-MW-3L	0	EBZ	8/29/2018	UG/L	ND	1	37.91404894	-122.3664546	MONITORING		5	9	EDF
T0601300023-MW-4L	0	EBZ	8/29/2018	UG/L	ND	1	37.91406222	-122.3659742	MONITORING		4.5	9	EDF
T0601300023-MW-4L	0	EBZ	2/6/2019	UG/L	ND	1	37.91406222	-122.3659742	MONITORING		4.5	9	EDF
T0601300023-MW-5L	0	EBZ	11/28/2018	UG/L	ND	1	37.91382528	-122.3654588	MONITORING		4.5	7.5	EDF
T0601300023-MW-5L	0	EBZ	8/29/2018	UG/L	ND	1	37.91382528	-122.3654588	MONITORING		4.5	7.5	EDF
T0601300023-MW-5L	0	EBZ	2/7/2019	UG/L	ND	1	37.91382528	-122.3654588	MONITORING		4.5	7.5	EDF
T0601300023-MW-6L	0	EBZ	2/7/2019	UG/L	ND	1	37.91330425	-122.3653527	MONITORING		4.5	7.5	EDF
T0601300023-MW-6L	0	EBZ	8/29/2018	UG/L	ND	1	37.91330425	-122.3653527	MONITORING		4.5	7.5	EDF
T0601300023-MW-6U	0	EBZ	2/6/2019	UG/L	ND	1	37.91119263	-122.3724128	MONITORING		55	25	EDF
T0601300023-MW-7L	0	EBZ	2/6/2019	UG/L	ND	1	37.91261038	-122.3654922	MONITORING		4.5	7.5	EDF
T0601300023-MW-7L	0	EBZ	8/30/2018	UG/L	ND	1	37.91261038	-122.3654922	MONITORING		4.5	7.5	EDF
T0601300023-MW-7U	0	EBZ	2/6/2019	UG/L	ND	1	37.91168176	-122.3710708	MONITORING		55	25	EDF
T0601300023-MW-8L	0	EBZ	8/28/2018	UG/L	ND	1	37.91172847	-122.365293	MONITORING		4.5	7.5	EDF
T0601300023-MW-8L	0	EBZ	2/7/2019	UG/L	ND	1	37.91172847	-122.365293	MONITORING		4.5	7.5	EDF

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T0601300023-MW-8U	0	EBZ	2/6/2019	UG/L	ND	1	37.91061952	-122.3688848	MONITORING		110	25	EDF
T0601300023-MW-9L	0	EBZ	2/7/2019	UG/L	ND	1	37.9112147	-122.3651865	MONITORING		4.5	7.5	EDF
T0601300023-MW-9L	0	EBZ	8/28/2018	UG/L	ND	1	37.9112147	-122.3651865	MONITORING		4.5	7.5	EDF
T0601300036-MW-12	209	EBZ	11/29/2018	UG/L	=	10	37.9355813	-122.3260584	MONITORING		14	20	EDF
T0601300036-MW-14	0	EBZ	11/29/2018	UG/L	ND	1	37.9353162	-122.3257417	MONITORING		15	20	EDF
T0601300036-MW-15	0	EBZ	11/29/2018	UG/L	ND	1	37.9352665	-122.325385	MONITORING		15	20	EDF
T0601300036-MW-17	0	EBZ	11/29/2018	UG/L	ND	1	37.9349966	-122.3258487	MONITORING				EDF
T0601300036-MW-4	0	EBZ	11/29/2018	UG/L	ND	1	37.9357886	-122.3254881	MONITORING		5	30	EDF
T0601300036-MW-6	1980	EBZ	11/29/2018	UG/L	=	100	37.9356943	-122.3254221	MONITORING		10	25	EDF
T0601300036-MW-7	2100	EBZ	11/29/2018	UG/L	=	50	37.9355284	-122.3254741	MONITORING		7	28	EDF
T0601300499-MW-1A	0	EBZ	11/26/2018	UG/L	ND	0.5	37.9262339	-122.3196109	MONITORING	13.5			EDF
T0601300594-MW-1	20	EBZ	8/28/2018	UG/L	=	5	37.9395806	-122.3478661	MONITORING	16.8		10	EDF
T0601300594-MW-2	46	EBZ	8/28/2018	UG/L	=	5	37.9397392	-122.3478687	MONITORING	16.5		10	EDF
T0601300594-MW-3	43	EBZ	8/28/2018	UG/L	=	5	37.9398536	-122.347699	MONITORING	16.5		10	EDF
T0601300594-MW-4	0	EBZ	8/28/2018	UG/L	ND	0.5	37.939518	-122.3476659	MONITORING	16.6		10	EDF
T0601300594-MW-5	0	EBZ	8/29/2018	UG/L	ND	0.5	37.9395001	-122.3480165	MONITORING	16.9			EDF
T0601300594-MW-6	0	EBZ	8/29/2018	UG/L	ND	0.5	37.9391388	-122.3474307	MONITORING	16.7			EDF
T0601300712-AI-1	2500	EBZ	2/27/2019	UG/L	=	###	37.9253762	-122.3480707	MONITORING		9	10	EDF
T0601300712-MW-12	0	EBZ	2/25/2019	UG/L	ND	100	37.9250535	-122.3482496	MONITORING		23	7	EDF
T0601300712-MW-12A	0	EBZ	2/28/2019	UG/L	ND	###	37.9250534	-122.3482749	MONITORING		5	15	EDF
T0601300712-MW-13	1.7	EBZ	2/25/2019	UG/L	=	0.5	37.9248228	-122.3482965	MONITORING		26	7	EDF
T0601300712-MW-13A	1400	EBZ	2/28/2019	UG/L	=	170	37.9248229	-122.3483194	MONITORING		5	13.5	EDF
T0601300712-MW-14	0	EBZ	2/25/2019	UG/L	ND	0.5	37.9243793	-122.3485045	MONITORING		20	10	EDF
T0601300712-MW-15A	1500	EBZ	2/25/2019	UG/L	=	170	37.9254604	-122.3476701	MONITORING		4	15	EDF
T0601300712-MW-15B	1900	EBZ	2/25/2019	UG/L	=	170	37.9254609	-122.347669	MONITORING		23	5	EDF
T0601300712-MW-2	510	EBZ	2/28/2019	UG/L	=	50	37.9253852	-122.3478039	MONITORING				EDF
T0601300712-MW-3	0	EBZ	2/28/2019	UG/L	ND	25	37.9253406	-122.3479761	MONITORING				EDF
T0601300712-MW-4	1100	EBZ	2/28/2019	UG/L	=	25	37.9255789	-122.3480811	MONITORING				EDF
T0601300712-MW-9	210	EBZ	2/25/2019	UG/L	=	25	37.9247068	-122.3483326	MONITORING		20	10	EDF
T0601300712-OBS-1A	0	EBZ	2/27/2019	UG/L	ND	###	37.925352	-122.348098	MONITORING		4	14	EDF
T0601300712-OBS-1B	0	EBZ	2/28/2019	UG/L	ND	100	37.925351	-122.3480981	MONITORING		21	9	EDF
T0601300712-OBS-2B	580	EBZ	2/28/2019	UG/L	=	250	37.9253954	-122.3480434	MONITORING		21	9	EDF
T0601300717-MW-1	25	EBZ	11/20/2018	UG/L	=	1.7	37.944555	-122.347113	MONITORING				EDF
T0601300717-MW-1	57	EBZ	5/23/2019	UG/L	=	0.5	37.944555	-122.347113	MONITORING				EDF
T0601300717-MW-10	0	EBZ	11/20/2018	UG/L	ND	0.5	37.944317	-122.346868	MONITORING				EDF
T0601300717-MW-11	0	EBZ	11/20/2018	UG/L	ND	0.5	37.944759	-122.347315	MONITORING				EDF
T0601300717-MW-11	51	EBZ	5/23/2019	UG/L	=	0.5	37.944759	-122.347315	MONITORING				EDF
T0601300717-MW-12	0	EBZ	11/20/2018	UG/L	ND	0.5	37.944756	-122.346983	MONITORING				EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top of Screen (FT)	Screen Length (FT)	Source
T0601300717-MW-12	0	EBZ	5/23/2019	UG/L	ND	0.5	37.944756	-122.346983	MONITORING				EDF
T0601300717-MW-2	6.9	EBZ	11/20/2018	UG/L	=	2.5	37.944475	-122.34729	MONITORING				EDF
T0601300717-MW-2	16	EBZ	5/23/2019	UG/L	=	0.5	37.944475	-122.34729	MONITORING				EDF
T0601300717-MW-3	34	EBZ	11/21/2018	UG/L	=	5	37.944451	-122.346983	MONITORING				EDF
T0601300717-MW-3	28	EBZ	5/24/2019	UG/L	=	1	37.944451	-122.346983	MONITORING				EDF
T0601300717-MW-4	0	EBZ	11/20/2018	UG/L	ND	0.5	37.944493	-122.347187	MONITORING				EDF
T0601300717-MW-4	0	EBZ	5/23/2019	UG/L	ND	0.5	37.944493	-122.347187	MONITORING				EDF
T0601300717-MW-5	190	EBZ	5/24/2019	UG/L	=	2.5	37.944549	-122.346961	MONITORING				EDF
T0601300717-MW-5	71	EBZ	11/20/2018	UG/L	=	5	37.944549	-122.346961	MONITORING				EDF
T0601300717-MW-6	220	EBZ	5/23/2019	UG/L	=	2.5	37.944668	-122.347098	MONITORING				EDF
T0601300717-MW-6	4.4	EBZ	11/20/2018	UG/L	=	0.5	37.944668	-122.347098	MONITORING				EDF
T0601300717-MW-7	0	EBZ	11/20/2018	UG/L	ND	1.7	37.944615	-122.347303	MONITORING				EDF
T0601300717-MW-7	7.2	EBZ	5/23/2019	UG/L	=	1	37.944615	-122.347303	MONITORING				EDF
T0601300717-MW-8	0	EBZ	11/21/2018	UG/L	ND	5	37.944307	-122.347188	MONITORING				EDF
T0601300717-MW-8	89	EBZ	5/23/2019	UG/L	=	0.5	37.944307	-122.347188	MONITORING				EDF
T0601300717-MW-9	49	EBZ	5/24/2019	UG/L	=	0.5	37.9444	-122.346757	MONITORING				EDF
T0601300717-MW-9	250	EBZ	11/20/2018	UG/L	=	5	37.9444	-122.346757	MONITORING				EDF
T0601307808-MW-1	0	EBZ	8/14/2018	UG/L	ND	0.5	37.9257923	-122.3225249	MONITORING				EDF
T0601307808-MW-2	0	EBZ	8/14/2018	UG/L	ND	0.5	37.9256353	-122.3223946	MONITORING				EDF
T0601307808-MW-3	0	EBZ	8/13/2018	UG/L	ND	0.5	37.9256826	-122.3221548	MONITORING				EDF
T0601307808-MW-4	0	EBZ	8/13/2018	UG/L	ND	1.7	37.92538	-122.3223195	MONITORING				EDF
T0601307808-MW-5	0	EBZ	8/14/2018	UG/L	ND	10	37.9258423	-122.322459	MONITORING				EDF
T0601307808-MW-6	0	EBZ	8/13/2018	UG/L	ND	25	37.9257271	-122.3227198	MONITORING				EDF
T0601307808-MW-7	0	EBZ	8/13/2018	UG/L	ND	1	37.9256215	-122.3230036	MONITORING				EDF
T0601307808-MW-8	0	EBZ	8/13/2018	UG/L	ND	25	37.9253809	-122.322835	MONITORING				EDF
T0601307808-MW-9	0	EBZ	8/13/2018	UG/L	ND	0.5	37.9256226	-122.3232664	MONITORING		5	20	EDF
T0601359733-MW-1	0	EBZ	11/5/2018	UG/L	ND	0.5	37.9548788	-122.3471771	MONITORING	17.85	8	10	EDF
T0601359733-MW-1	0.125	EBZ	3/6/2019	UG/L	=	0.5	37.9548788	-122.3471771	MONITORING	17.85	8	10	EDF
T0601359733-MW-2	260	EBZ	3/6/2019	UG/L	=	5	37.9547212	-122.3470269	MONITORING	18.26	8	10	EDF
T0601359733-MW-2	0	EBZ	11/5/2018	UG/L	ND	0.5	37.9547212	-122.3470269	MONITORING	18.26	8	10	EDF
T0601359733-MW-3	91.2	EBZ	11/5/2018	UG/L	=	5	37.9547324	-122.3472005	MONITORING	17.95	8	10	EDF
T0601359733-MW-3	70.6	EBZ	3/6/2019	UG/L	=	5	37.9547324	-122.3472005	MONITORING	17.95	8	10	EDF
T0601359733-MW-3	125	EBZ	11/5/2018	UG/L	=	5	37.9547324	-122.3472005	MONITORING	17.95	8	10	EDF
T06019709731-MW-4	5.6	EBZ	12/17/2018	UG/L	=	0.5	37.8498193	-122.2863895	MONITORING	16.77			EDF
T06019709731-MW-5	0	EBZ	12/17/2018	UG/L	ND	0.5	37.8499131	-122.2862134	MONITORING	21.47			EDF
T06019709731-MW-6	0	EBZ	12/17/2018	UG/L	ND	20	37.8497109	-122.2863456	MONITORING	20.78			EDF
T06019709731-MW-7	41	EBZ	12/17/2018	UG/L	=	1	37.8498023	-122.2861456	MONITORING	21.1			EDF
T06019709731-MW-8	0	EBZ	12/17/2018	UG/L	ND	0.5	37.8495071	-122.2863877	MONITORING	15.29			EDF

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T06019709731-MW-9	0	EBZ	12/17/2018	UG/L	ND	0.5	37.8495073	-122.2660023	MONITORING	20.72			EDF
T06019744728-MW-1RA	0	EBZ	1/15/2019	UG/L	ND	1	37.7718672	-122.2385472	MONITORING	19.9			EDF
T06019744728-MW-1RB	0	EBZ	1/15/2019	UG/L	ND	20	37.7718806	-122.2385549	MONITORING	12.69			EDF
T06019744728-MW-2	0	EBZ	1/15/2019	UG/L	ND	1	37.7713799	-122.238605	MONITORING	15.57			EDF
T06019744728-MW-3	0	EBZ	1/15/2019	UG/L	ND	1	37.7717092	-122.2387636	MONITORING	17.7			EDF
T06019744728-MW-4	0	EBZ	1/15/2019	UG/L	ND	1	37.7717347	-122.2384042	MONITORING	20.1			EDF
T06019744728-MW-5	0.8	EBZ	1/15/2019	UG/L	ND	1	37.7718488	-122.2387653	MONITORING	17.68			EDF
T06019744728-MW-6	0	EBZ	1/15/2019	UG/L	ND	1	37.7719981	-122.2387418	MONITORING	20.05			EDF
T06019775776-MW-1	0	EBZ	9/18/2018	UG/L	ND	0.5	37.7441922	-122.2227483	MONITORING	8.44			EDF
T06019775776-MW-1	0	EBZ	2/15/2019	UG/L	ND	0.5	37.7441922	-122.2227483	MONITORING	8.44			EDF
T06019775776-MW-10	0	EBZ	9/18/2018	UG/L	ND	0.5	37.743851	-122.2226501	MONITORING	10.05	3	7	EDF
T06019775776-MW-10	0	EBZ	2/15/2019	UG/L	ND	0.5	37.743851	-122.2226501	MONITORING	10.05	3	7	EDF
T06019775776-MW-11	0	EBZ	9/18/2018	UG/L	ND	0.5	37.7435569	-122.2228055	MONITORING	9.68	3	7	EDF
T06019775776-MW-11	0	EBZ	2/15/2019	UG/L	ND	0.5	37.7435569	-122.2228055	MONITORING	9.68	3	7	EDF
T06019775776-MW-12	0	EBZ	9/18/2018	UG/L	ND	0.5	37.7436187	-122.2223794	MONITORING	9.94	3	7	EDF
T06019775776-MW-12	0	EBZ	2/15/2019	UG/L	ND	0.5	37.7436187	-122.2223794	MONITORING	9.94	3	7	EDF
T06019775776-MW-13	0	EBZ	9/18/2018	UG/L	ND	0.5	37.7433907	-122.2226614	MONITORING	9.51	3	7	EDF
T06019775776-MW-13	0	EBZ	2/15/2019	UG/L	ND	0.5	37.7433907	-122.2226614	MONITORING	9.51	3	7	EDF
T06019775776-MW-14	0	EBZ	2/15/2019	UG/L	ND	0.5	37.7434157	-122.2224257	MONITORING	10.03	3	7	EDF
T06019775776-MW-14	0	EBZ	9/18/2018	UG/L	ND	0.5	37.7434157	-122.2224257	MONITORING	10.03	3	7	EDF
T06019775776-MW-15	0	EBZ	9/18/2018	UG/L	ND	0.5	37.7434479	-122.2222172	MONITORING	10.01	3	7	EDF
T06019775776-MW-15	0	EBZ	2/15/2019	UG/L	ND	0.5	37.7434479	-122.2222172	MONITORING	10.01	3	7	EDF
T06019775776-MW-18	0	EBZ	9/18/2018	UG/L	ND	0.5	37.7435722	-122.2226223	MONITORING	9.95	3	7	EDF
T06019775776-MW-2	0	EBZ	9/18/2018	UG/L	ND	0.5	37.7438439	-122.222443	MONITORING	8.91			EDF
T06019775776-MW-2	0	EBZ	2/15/2019	UG/L	ND	0.5	37.7438439	-122.222443	MONITORING	8.91			EDF
T06019775776-MW-3	0	EBZ	9/18/2018	UG/L	ND	0.5	37.7432571	-122.2224306	MONITORING	12.09			EDF
T06019775776-MW-3	0	EBZ	2/15/2019	UG/L	ND	0.5	37.7432571	-122.2224306	MONITORING	12.09			EDF
T06019775776-MW-4	0	EBZ	2/15/2019	UG/L	ND	0.5	37.7441576	-122.2233341	MONITORING	9.99	3	7	EDF
T06019775776-MW-4	0	EBZ	9/18/2018	UG/L	ND	0.5	37.7441576	-122.2233341	MONITORING	9.99	3	7	EDF
T06019775776-MW-5	0	EBZ	9/18/2018	UG/L	ND	0.5	37.7442975	-122.2230839	MONITORING	9.65	3	7	EDF
T06019775776-MW-5	0	EBZ	2/15/2019	UG/L	ND	0.5	37.7442975	-122.2230839	MONITORING	9.65	3	7	EDF
T06019775776-MW-6	0	EBZ	2/15/2019	UG/L	ND	0.5	37.7440808	-122.2232712	MONITORING	10.71	3	7	EDF
T06019775776-MW-6	0	EBZ	9/18/2018	UG/L	ND	0.5	37.7440808	-122.2232712	MONITORING	10.71	3	7	EDF
T06019775776-MW-7	0	EBZ	2/15/2019	UG/L	ND	0.5	37.7441807	-122.223087	MONITORING	10.11	3	7	EDF
T06019775776-MW-7	0	EBZ	9/18/2018	UG/L	ND	0.5	37.7441807	-122.223087	MONITORING	10.11	3	7	EDF
T06019775776-MW-8	0	EBZ	2/15/2019	UG/L	ND	0.5	37.7436068	-122.2230507	MONITORING	9.85	3	7	EDF
T06019775776-MW-8	0	EBZ	9/18/2018	UG/L	ND	0.5	37.7436068	-122.2230507	MONITORING	9.85	3	7	EDF
T06019775776-MW-9	0	EBZ	9/18/2018	UG/L	ND	0.5	37.7438962	-122.2229559	MONITORING	9.94	3	7	EDF

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T06019775776-MW-9	0	EBZ	2/15/2019	UG/L	ND	0.5	37.7438962	-122.2229559	MONITORING	9.94	3	7	EDF
T06019775776-NPORDM\	0	EBZ	9/18/2018	UG/L	ND	0.5	37.7446435	-122.2232224	MONITORING	16.46			EDF
T06019775776-NPORDM\	0	EBZ	2/15/2019	UG/L	ND	0.5	37.7446435	-122.2232224	MONITORING	16.46			EDF
T06019775776-NPORDM\	0	EBZ	9/18/2018	UG/L	ND	0.5	37.7433972	-122.2227967	MONITORING	11.45			EDF
T06019775776-NPORDM\	0	EBZ	2/15/2019	UG/L	ND	0.5	37.7433972	-122.2227967	MONITORING	11.45			EDF
T06019788682-MW-1	24	EBZ	8/28/2018	UG/L	=	0.5	37.8291993	-122.2788355	MONITORING	22.7			EDF
T06019788682-MW-2	1.2	EBZ	8/28/2018	UG/L	=	0.5	37.8291503	-122.2788368	MONITORING	22.8			EDF
T06019788682-MW-3	0	EBZ	8/28/2018	UG/L	ND	0.5	37.8291396	-122.2788992	MONITORING	22.8			EDF
T06019788682-MW-4	3.2	EBZ	8/28/2018	UG/L	=	0.5	37.8290612	-122.27893	MONITORING	22.8			EDF
T0619716673-MW1	0	EBZ	10/10/2018	UG/L	ND	0.5	37.8880384	-122.2984473	MONITORING				EDF
T0619716673-MW1	0	EBZ	4/2/2019	UG/L	ND	0.5	37.8880384	-122.2984473	MONITORING				EDF
T0619716673-MW1A	0	EBZ	4/2/2019	UG/L	ND	0.5	37.8880594	-122.2984529	MONITORING				EDF
T0619716673-MW2	0	EBZ	4/2/2019	UG/L	ND	0.5	37.8879305	-122.2984079	MONITORING				EDF
T0619716673-MW2	0	EBZ	10/10/2018	UG/L	ND	0.5	37.8879305	-122.2984079	MONITORING				EDF
T0619716673-MW2A	4.5	EBZ	4/2/2019	UG/L	=	2	37.8879459	-122.2984154	MONITORING				EDF
T0619716673-MW3	750	EBZ	4/3/2019	UG/L	=	20	37.8878945	-122.298559	MONITORING				EDF
T0619716673-MW3	980	EBZ	10/10/2018	UG/L	=	25	37.8878945	-122.298559	MONITORING				EDF
T0619716673-MW3A	0	EBZ	10/10/2018	UG/L	ND	0.5	37.8879037	-122.2985623	MONITORING				EDF
T0619716673-MW3A	0	EBZ	4/3/2019	UG/L	ND	0.5	37.8879037	-122.2985623	MONITORING				EDF
T0619716673-MW4	0	EBZ	10/10/2018	UG/L	ND	2	37.8878851	-122.2986883	MONITORING				EDF
T0619716673-MW4	1.9	EBZ	4/2/2019	UG/L	=	0.5	37.8878851	-122.2986883	MONITORING				EDF
T0619716673-MW4A	0	EBZ	4/2/2019	UG/L	ND	0.5	37.8879015	-122.298688	MONITORING				EDF
T0619716673-MW5	6.3	EBZ	4/3/2019	UG/L	=	0.5	37.8879453	-122.2987089	MONITORING				EDF
T0619716673-MW5	17	EBZ	10/10/2018	UG/L	=	1	37.8879453	-122.2987089	MONITORING				EDF
T0619716673-MW5A	9.4	EBZ	4/3/2019	UG/L	=	0.5	37.8879494	-122.2986944	MONITORING				EDF
T0619716673-MW6	0	EBZ	10/10/2018	UG/L	ND	0.5	37.8879988	-122.2987277	MONITORING				EDF
T0619716673-MW6	0.72	EBZ	4/2/2019	UG/L	=	0.5	37.8879988	-122.2987277	MONITORING				EDF
T0619716673-MW6A	0	EBZ	4/2/2019	UG/L	ND	0.5	37.8879844	-122.2987304	MONITORING				EDF
T0619716673-MW7	8.4	EBZ	10/10/2018	UG/L	=	4	37.8878386	-122.2987881	MONITORING				EDF
T0619716673-MW7	0	EBZ	4/2/2019	UG/L	ND	0.5	37.8878386	-122.2987881	MONITORING				EDF
T0619716673-MW8	0	EBZ	4/2/2019	UG/L	ND	0.5	37.887992	-122.2991575	MONITORING				EDF
T0619716673-MW8	0	EBZ	10/10/2018	UG/L	ND	0.5	37.887992	-122.2991575	MONITORING				EDF
T0619716673-MW9	0	EBZ	4/2/2019	UG/L	ND	0.5	37.8879136	-122.2991332	MONITORING				EDF
T0619716673-MW9	0	EBZ	10/10/2018	UG/L	ND	0.5	37.8879136	-122.2991332	MONITORING				EDF
T0619748201-MW-101	200	EBZ	11/20/2018	UG/L	=	12	37.8479522	-122.2653964	MONITORING	20			EDF
T0619748201-MW-101	200	EBZ	11/20/2018	UG/L	=	5	37.8479522	-122.2653964	MONITORING	20			EDF
T0619748201-MW-102	0	EBZ	11/20/2018	UG/L	ND	0.5	37.8480592	-122.2653564	MONITORING	20			EDF
T0619748201-MW-103	120	EBZ	11/20/2018	UG/L	=	5	37.8479122	-122.2653311	MONITORING	20			EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top of Screen (FT)	Screen Length (FT)	Source
T0619748201-MW-103	180	EBZ	11/20/2018	UG/L	=	5	37.8479122	-122.2653311	MONITORING	20			EDF
T0619748201-MW-104	0	EBZ	11/20/2018	UG/L	ND	0.5	37.847894	-122.26551	MONITORING	20			EDF
T0619748201-MW-105	0	EBZ	11/20/2018	UG/L	ND	0.5	37.847826	-122.265374	MONITORING	20			EDF
T10000001026-SGI-MW-1	0	EBZ	9/4/2018	UG/L	ND	0.5	37.9546218	-122.3589921	MONITORING				EDF
T10000001026-SGI-MW-2	0	EBZ	9/4/2018	UG/L	ND	0.5	37.9546522	-122.3598575	MONITORING				EDF
T10000001026-SGI-MW-3	0	EBZ	9/4/2018	UG/L	ND	0.5	37.9538381	-122.3599158	MONITORING				EDF
T10000001026-SGI-MW-4	0	EBZ	9/4/2018	UG/L	ND	0.5	37.953127	-122.3599482	MONITORING				EDF
T10000001026-SGI-MW-7	0	EBZ	9/4/2018	UG/L	ND	0.5	37.9519895	-122.35913	MONITORING				EDF
T10000003428-MW-1	49	EBZ	2/12/2019	UG/L	=	10	37.7988535	-122.2728792	MONITORING	29.72			EDF
T10000003428-MW-1	230	EBZ	8/14/2018	UG/L	=	50	37.7988535	-122.2728792	MONITORING	29.72			EDF
T10000003428-MW-2	5.4	EBZ	8/14/2018	UG/L	=	5	37.7986993	-122.2727808	MONITORING	29.82			EDF
T10000003428-MW-2	9.5	EBZ	2/12/2019	UG/L	=	5	37.7986993	-122.2727808	MONITORING	29.82			EDF
T10000003428-MW-3	160	EBZ	2/12/2019	UG/L	=	25	37.7987534	-122.2729233	MONITORING	29.75			EDF
T10000003428-MW-3	520	EBZ	8/14/2018	UG/L	=	100	37.7987534	-122.2729233	MONITORING	29.75			EDF
T10000003428-MW-4	39	EBZ	2/12/2019	UG/L	=	10	37.7987909	-122.2733659	MONITORING	29.73			EDF
T10000003428-MW-4	0	EBZ	8/14/2018	UG/L	ND	25	37.7987909	-122.2733659	MONITORING	29.73			EDF
T10000004218-MW-1	0	EBZ	9/21/2018	UG/L	ND	1	37.793618	-122.2264971	MONITORING	19.78			EDF
T10000004218-MW-1	0	EBZ	12/18/2018	UG/L	ND	1	37.793618	-122.2264971	MONITORING	19.78			EDF
T10000004218-MW-2	0	EBZ	9/21/2018	UG/L	ND	1	37.7937056	-122.2265157	MONITORING	19.77			EDF
T10000004218-MW-2	0	EBZ	12/18/2018	UG/L	ND	1	37.7937056	-122.2265157	MONITORING	19.77			EDF
T10000004218-MW-3	5	EBZ	12/18/2018	UG/L	=	5	37.79359	-122.2263791	MONITORING	19.82			EDF
T10000004218-MW-3	5	EBZ	9/21/2018	UG/L	ND	5	37.79359	-122.2263791	MONITORING	19.82			EDF
T10000004218-MW-4	560	EBZ	9/21/2018	UG/L	=	10	37.7935854	-122.2265479	MONITORING	19.75			EDF
T10000004218-MW-4	710	EBZ	12/18/2018	UG/L	=	10	37.7935854	-122.2265479	MONITORING	19.75			EDF
T10000004218-MW-5	0	EBZ	9/21/2018	UG/L	ND	1	37.7933954	-122.2268937	MONITORING	19.95			EDF
T10000004218-MW-5	0	EBZ	12/18/2018	UG/L	ND	1	37.7933954	-122.2268937	MONITORING	19.95			EDF
T10000005974-MW-1	166	EBZ	8/30/2018	UG/L	=	2.5	37.77711382	-122.2764581	MONITORING	15.15	7	10	EDF
T10000005974-MW-2A	0	EBZ	8/30/2018	UG/L	ND	1	37.77693441	-122.276498	MONITORING	17.35	7	10	EDF
T10000005974-MW-3A	0	EBZ	8/30/2018	UG/L	ND	1	37.776943	-122.2762181	MONITORING	19.9	7	10	EDF
T10000006351-MW-3A	150	EBZ	9/13/2018	UG/L	=	5	37.61862109	-122.0348067	MONITORING				EDF
T10000006351-MW-3A	960	EBZ	12/20/2018	UG/L	=	10	37.61862109	-122.0348067	MONITORING				EDF
T10000006351-MW-3A	1300	EBZ	3/27/2019	UG/L	=	10	37.61862109	-122.0348067	MONITORING				EDF
T10000006351-MW-4A	6.7	EBZ	3/27/2019	UG/L	=	0.5	37.61853385	-122.034758	MONITORING				EDF
T10000006351-MW-4A	0.99	EBZ	9/13/2018	UG/L	=	0.5	37.61853385	-122.034758	MONITORING				EDF
T10000006351-MW-4A	1.3	EBZ	12/20/2018	UG/L	=	0.5	37.61853385	-122.034758	MONITORING				EDF
T10000006351-MW-5A	0	EBZ	12/20/2018	UG/L	ND	0.5	37.61879434	-122.0347194	MONITORING				EDF
T10000006351-MW-5A	0	EBZ	9/13/2018	UG/L	ND	0.5	37.61879434	-122.0347194	MONITORING				EDF
T10000006351-MW-5A	0	EBZ	3/27/2019	UG/L	ND	0.5	37.61879434	-122.0347194	MONITORING				EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top of Screen (FT)	Screen Length (FT)	Source
T10000006351-MW-6A	1500	EBZ	3/27/2019	UG/L	=	50	37.61868888	-122.0346068	MONITORING				EDF
T10000006351-MW-6A	1100	EBZ	11/13/2018	UG/L	=	10	37.61868888	-122.0346068	MONITORING				EDF
T10000006351-MW-6A	2500	EBZ	12/20/2018	UG/L	=	50	37.61868888	-122.0346068	MONITORING				EDF
T10000009401-MW-1	0	EBZ	12/3/2018	UG/L	ND	1	37.7610555	-122.2453043	MONITORING	14.75	5	10	EDF
T10000009401-MW-1	0	EBZ	2/15/2019	UG/L	ND	1	37.7610555	-122.2453043	MONITORING	14.75	5	10	EDF
T10000009401-MW-1	0	EBZ	8/24/2018	UG/L	ND	1	37.7610555	-122.2453043	MONITORING	14.75	5	10	EDF
T10000009401-MW-2	6	EBZ	8/24/2018	UG/L	=	5	37.7609755	-122.2453638	MONITORING	14.35	5	15	EDF
T10000009401-MW-2	3	EBZ	12/3/2018	UG/L	=	1	37.7609755	-122.2453638	MONITORING	14.35	5	15	EDF
T10000009401-MW-2	1	EBZ	2/15/2019	UG/L	ND	1	37.7609755	-122.2453638	MONITORING	14.35	5	15	EDF
T10000009401-MW-3	39	EBZ	8/24/2018	UG/L	=	1	37.7609586	-122.2452386	MONITORING	14.92	5	10	EDF
T10000009401-MW-3	8	EBZ	2/15/2019	UG/L	=	1	37.7609586	-122.2452386	MONITORING	14.92	5	10	EDF
T10000009401-MW-3	10	EBZ	12/3/2018	UG/L	=	1	37.7609586	-122.2452386	MONITORING	14.92	5	10	EDF
T10000009401-MW-4	0	EBZ	8/24/2018	UG/L	ND	1	37.7608746	-122.2453315	MONITORING	14.98	5	10	EDF
T10000009401-MW-4	0	EBZ	12/3/2018	UG/L	ND	1	37.7608746	-122.2453315	MONITORING	14.98	5	10	EDF
T10000009401-MW-4	0	EBZ	2/15/2019	UG/L	ND	1	37.7608746	-122.2453315	MONITORING	14.98	5	10	EDF
T10000009433-MW-7	0	EBZ	9/20/2018	UG/L	ND	1	37.8122075	-122.2798206	MONITORING				EDF
T10000009433-MW-7	0	EBZ	1/24/2019	UG/L	ND	1	37.8122075	-122.2798206	MONITORING				EDF
T10000009433-MW-8	67.9	EBZ	9/20/2018	UG/L	=	1	37.8124013	-122.2804083	MONITORING				EDF
T10000009433-MW-8	340	EBZ	1/24/2019	UG/L	=	20	37.8124013	-122.2804083	MONITORING				EDF
T10000009433-MW-9	0	EBZ	9/20/2018	UG/L	ND	1	37.812897	-122.2802245	MONITORING				EDF
T10000009433-MW-9	0	EBZ	1/24/2019	UG/L	ND	1	37.812897	-122.2802245	MONITORING				EDF
T10000009600-MW-1	0	EBZ	10/16/2018	UG/L	ND	1	37.8435637	-122.2750686	MONITORING	14.27	71.66		EDF
T10000009600-MW-1	0	EBZ	1/15/2019	UG/L	ND	1	37.8435637	-122.2750686	MONITORING	14.27	71.66		EDF
T10000009600-MW-1	0	EBZ	4/30/2019	UG/L	ND	1	37.8435637	-122.2750686	MONITORING	14.27	71.66		EDF
T10000009600-MW-2	0	EBZ	1/15/2019	UG/L	ND	1	37.8434478	-122.2751266	MONITORING	14.5	72.18		EDF
T10000009600-MW-2	0	EBZ	4/30/2019	UG/L	ND	1	37.8434478	-122.2751266	MONITORING	14.5	72.18		EDF
T10000009600-MW-2	0	EBZ	10/16/2018	UG/L	ND	1	37.8434478	-122.2751266	MONITORING	14.5	72.18		EDF
T10000009600-MW-3	0	EBZ	10/16/2018	UG/L	ND	1	37.843416	-122.2752136	MONITORING	14.53	72.32		EDF
T10000009600-MW-3	0	EBZ	1/15/2019	UG/L	ND	1	37.843416	-122.2752136	MONITORING	14.53	72.32		EDF
T10000009600-MW-3	0	EBZ	4/30/2019	UG/L	ND	1	37.843416	-122.2752136	MONITORING	14.53	72.32		EDF
T10000009600-MW-4	1	EBZ	10/16/2018	UG/L	=	1	37.8435206	-122.2752525	MONITORING	14.02	71.98		EDF
T10000009600-MW-4	1	EBZ	4/30/2019	UG/L	=	1	37.8435206	-122.2752525	MONITORING	14.02	71.98		EDF
T10000009600-MW-4	0	EBZ	1/15/2019	UG/L	ND	1	37.8435206	-122.2752525	MONITORING	14.02	71.98		EDF
T10000009600-MW-5	0	EBZ	4/30/2019	UG/L	ND	1	37.8435713	-122.2752522	MONITORING	14.9	71.84		EDF
T10000009600-MW-5	0	EBZ	10/16/2018	UG/L	ND	1	37.8435713	-122.2752522	MONITORING	14.9	71.84		EDF
T10000009600-MW-5	0	EBZ	1/15/2019	UG/L	ND	1	37.8435713	-122.2752522	MONITORING	14.9	71.84		EDF
T10000009600-MW-6	0	EBZ	1/15/2019	UG/L	ND	1	37.8436358	-122.275172	MONITORING	14.3	71.35		EDF
T10000009600-MW-6	0	EBZ	4/30/2019	UG/L	ND	1	37.8436358	-122.275172	MONITORING	14.3	71.35		EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top of Screen (FT)	Screen Length (FT)	Source
T10000009600-MW-6	0	EBZ	10/16/2018	UG/L	ND	1	37.8436358	-122.275172	MONITORING	14.3	71.35		EDF
T10000009940-MW-1	166	EBZ	8/30/2018	UG/L	=	2.5	37.77711382	-122.2764581	MONITORING	15.6	7	10	EDF
T10000009940-MW-1	279	EBZ	3/26/2019	UG/L	=	5	37.77711382	-122.2764581	MONITORING	15.6	7	10	EDF
T10000009940-MW-2A	0	EBZ	8/30/2018	UG/L	ND	1	37.77693441	-122.276498	MONITORING	17.28	7	10	EDF
T10000009940-MW-2A	0	EBZ	3/26/2019	UG/L	ND	1	37.77693441	-122.276498	MONITORING	17.28	7	10	EDF
T10000009940-MW-3A	0	EBZ	8/30/2018	UG/L	ND	1	37.776943	-122.2762181	MONITORING	16.88	7	10	EDF
T10000009940-MW-3A	0	EBZ	3/26/2019	UG/L	ND	1	37.776943	-122.2762181	MONITORING	16.88	7	10	EDF
T10000010738-EX-1	0	EBZ	9/25/2018	UG/L	ND	0.5	37.81153096	-122.268594	MONITORING				EDF
T10000010738-EX-1	0	EBZ	8/23/2018	UG/L	ND	0.5	37.81153096	-122.268594	MONITORING				EDF
T10000010738-EX-1	0	EBZ	8/27/2018	UG/L	ND	0.5	37.81153096	-122.268594	MONITORING				EDF
T10000010738-EX-2	0	EBZ	9/25/2018	UG/L	ND	0.5	37.81152387	-122.2685567	MONITORING				EDF
T10000010738-EX-2	0	EBZ	8/23/2018	UG/L	ND	0.5	37.81152387	-122.2685567	MONITORING				EDF
T10000010738-EX-2	0	EBZ	8/27/2018	UG/L	ND	0.5	37.81152387	-122.2685567	MONITORING				EDF
T10000010738-EX-3	0	EBZ	8/27/2018	UG/L	ND	0.5	37.81154357	-122.2684701	MONITORING				EDF
T10000010738-EX-3	0	EBZ	9/25/2018	UG/L	ND	0.5	37.81154357	-122.2684701	MONITORING				EDF
T10000010738-EX-3	0	EBZ	3/25/2019	UG/L	ND	0.5	37.81154357	-122.2684701	MONITORING				EDF
T10000010738-EX-3	0	EBZ	2/21/2019	UG/L	ND	0.5	37.81154357	-122.2684701	MONITORING				EDF
T10000010738-EX-3	0	EBZ	8/23/2018	UG/L	ND	0.5	37.81154357	-122.2684701	MONITORING				EDF
T10000010738-OB-2	0	EBZ	2/21/2019	UG/L	ND	0.5	37.81158983	-122.2684233	MONITORING				EDF
T10000010738-OB-2	0	EBZ	8/27/2018	UG/L	ND	0.5	37.81158983	-122.2684233	MONITORING				EDF
T10000010738-OB-2	0	EBZ	9/25/2018	UG/L	ND	0.5	37.81158983	-122.2684233	MONITORING				EDF
T10000010738-OB-2	0	EBZ	8/23/2018	UG/L	ND	0.5	37.81158983	-122.2684233	MONITORING				EDF
T10000010738-OB-2	0	EBZ	3/25/2019	UG/L	ND	0.5	37.81158983	-122.2684233	MONITORING				EDF
T10000010738-OB-4	0	EBZ	9/25/2018	UG/L	ND	0.5	37.81153553	-122.2683987	MONITORING				EDF
T10000010738-OB-4	0	EBZ	8/23/2018	UG/L	ND	0.5	37.81153553	-122.2683987	MONITORING				EDF
T10000010738-OB-4	0	EBZ	3/25/2019	UG/L	ND	0.5	37.81153553	-122.2683987	MONITORING				EDF
T10000010738-OB-4	0	EBZ	8/27/2018	UG/L	ND	0.5	37.81153553	-122.2683987	MONITORING				EDF
T10000010738-OB-4	0	EBZ	2/21/2019	UG/L	ND	0.5	37.81153553	-122.2683987	MONITORING				EDF
T10000011091-MW-1	0	EBZ	2/5/2019	UG/L	ND	1	37.8317301	-122.2537694	MONITORING	21.9	7	15	EDF
T10000011091-MW-1	0	EBZ	11/29/2018	UG/L	ND	1	37.8317301	-122.2537694	MONITORING	21.9	7	15	EDF
T10000011091-MW-1	0	EBZ	4/26/2019	UG/L	ND	1	37.8317301	-122.2537694	MONITORING	21.9	7	15	EDF
T10000011091-MW-2	0	EBZ	4/26/2019	UG/L	ND	1	37.8315767	-122.2537775	MONITORING	21.1	7	15	EDF
T10000011091-MW-2	0	EBZ	11/29/2018	UG/L	ND	1	37.8315767	-122.2537775	MONITORING	21.1	7	15	EDF
T10000011091-MW-2	0	EBZ	2/5/2019	UG/L	ND	1	37.8315767	-122.2537775	MONITORING	21.1	7	15	EDF
T10000011091-MW-3	0	EBZ	11/29/2018	UG/L	ND	1	37.8314016	-122.2540596	MONITORING	24.69	10	15	EDF
T10000011091-MW-3	0.2	EBZ	2/5/2019	UG/L	ND	1	37.8314016	-122.2540596	MONITORING	24.69	10	15	EDF
T10000011091-MW-3	0	EBZ	4/26/2019	UG/L	ND	1	37.8314016	-122.2540596	MONITORING	24.69	10	15	EDF
T10000011211-MW-1	0	EBZ	3/31/2019	UG/L	ND	0.5	37.645999	-122.128267	MONITORING	13.63	8	7	EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top of Screen (FT)	Screen Length (FT)	Source
T10000011211-MW-1	0	EBZ	8/8/2018	UG/L	ND	1	37.645999	-122.128267	MONITORING	13.63	8	7	EDF
T10000011211-MW-2	0	EBZ	8/8/2018	UG/L	ND	1	37.6461632	-122.1280873	MONITORING	14.17	6.5	7	EDF
T10000011211-MW-2	0	EBZ	3/31/2019	UG/L	ND	0.5	37.6461632	-122.1280873	MONITORING	14.17	6.5	7	EDF
T10000011211-MW-3	0	EBZ	4/1/2019	UG/L	ND	0.5	37.6457435	-122.1285581	MONITORING	14.59	5	5	EDF
T10000011211-MW-3	0	EBZ	8/8/2018	UG/L	ND	1	37.6457435	-122.1285581	MONITORING	14.59	5	5	EDF
T10000011211-MW-4	0	EBZ	8/8/2018	UG/L	ND	1	37.6461337	-122.1298916	MONITORING	14.56	10	5	EDF
T10000011211-MW-4	0	EBZ	3/31/2019	UG/L	ND	0.5	37.6461337	-122.1298916	MONITORING	14.56	10	5	EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top Screen (FT)	Screen Length (FT)	Source
0103041-001	0	BZME	2/26/2019	UG/L	<	UNK	37.7268594	-122.157248	MUNICIPAL		0	0	DHS
L10006224883-GW-1(A)	0	BZME	1/8/2019	UG/L	ND	0.5	37.87298088	-122.3233184	MONITORING	49.9			EDF
L10006224883-GW-2	0	BZME	1/8/2019	UG/L	ND	0.5	37.87011788	-122.3207845	MONITORING	49.07			EDF
L10006224883-GW-3	0	BZME	1/8/2019	UG/L	ND	0.5	37.87153234	-122.3151463	MONITORING	37.5			EDF
L10006224883-GW-4	0	BZME	1/8/2019	UG/L	ND	0.5	37.87387452	-122.3170825	MONITORING	45			EDF
L10006224883-GW-5	0	BZME	1/8/2019	UG/L	ND	0.5	37.87226085	-122.3185373	MONITORING	72			EDF
L10006224883-L-4	0	BZME	1/10/2019	UG/L	ND	0.5	37.87191501	-122.3167805	MONITORING				EDF
L10006224883-L-5	0	BZME	1/10/2019	UG/L	ND	0.5	37.87173259	-122.3177832	MONITORING				EDF
L10009353957-CW-9	0	BZME	8/15/2018	UG/L	ND	0.5	37.94450448	-122.3757654	MONITORING				EDF
L10009353957-CW-9	0	BZME	11/13/2018	UG/L	ND	0.5	37.94450448	-122.3757654	MONITORING				EDF
L10009353957-GW-31A	0	BZME	10/9/2018	UG/L	ND	0.5	37.95392553	-122.3741854	MONITORING		4.6	15.5	EDF
L10009353957-GW-38A	0	BZME	10/9/2018	UG/L	ND	0.5	37.95391483	-122.3756621	MONITORING		3.69	15	EDF
L10009353957-GW-38C	0	BZME	10/10/2018	UG/L	ND	0.5	37.95391455	-122.3756007	MONITORING		29.1	5	EDF
L10009353957-GW-61A-3	0.1	BZME	11/7/2018	UG/L	ND	0.5	37.946677	-122.365392	MONITORING		12	5	EDF
L10009353957-GW-61C-2	0	BZME	11/7/2018	UG/L	ND	0.5	37.94668249	-122.3654073	MONITORING		39.61	10	EDF
L10009353957-GW-63C	0	BZME	10/18/2018	UG/L	ND	0.5	37.95392247	-122.3786384	MONITORING		30.67	10	EDF
SL0002020084-MW-1	0	BZME	9/26/2018	UG/L	ND	10	37.7308224	-122.2105457	MONITORING	14.57			EDF
SL0002020084-MW-1	0	BZME	3/28/2019	UG/L	ND	10	37.7308224	-122.2105457	MONITORING	14.57			EDF
SL0002020084-MW-10	0	BZME	3/29/2019	UG/L	ND	10	37.7307169	-122.2107355	MONITORING	13.3			EDF
SL0002020084-MW-10	0	BZME	9/27/2018	UG/L	ND	1	37.7307169	-122.2107355	MONITORING	13.3			EDF
SL0002020084-MW-11	0	BZME	9/27/2018	UG/L	ND	1	37.7310491	-122.2110789	MONITORING	11.4			EDF
SL0002020084-MW-11	0	BZME	3/28/2019	UG/L	ND	10	37.7310491	-122.2110789	MONITORING	11.4			EDF
SL0002020084-MW-12	0	BZME	9/27/2018	UG/L	ND	1	37.7304608	-122.2103415	MONITORING	11.4			EDF
SL0002020084-MW-12	0	BZME	3/29/2019	UG/L	ND	10	37.7304608	-122.2103415	MONITORING	11.4			EDF
SL0002020084-MW-13	0	BZME	3/29/2019	UG/L	ND	10	37.7305592	-122.2104597	MONITORING	11.4			EDF
SL0002020084-MW-13	0	BZME	9/27/2018	UG/L	ND	1	37.7305592	-122.2104597	MONITORING	11.4			EDF
SL0002020084-MW-14	0	BZME	3/29/2019	UG/L	ND	10	37.7310147	-122.2109189	MONITORING	11.4			EDF
SL0002020084-MW-14	0	BZME	9/27/2018	UG/L	ND	10	37.7310147	-122.2109189	MONITORING	11.4			EDF
SL0002020084-MW-2	0	BZME	9/26/2018	UG/L	ND	5	37.7308485	-122.2104859	MONITORING	13.45			EDF
SL0002020084-MW-4	0	BZME	3/28/2019	UG/L	ND	10	37.7308308	-122.2103829	MONITORING	13.54			EDF
SL0002020084-MW-4	0	BZME	9/26/2018	UG/L	ND	1	37.7308308	-122.2103829	MONITORING	13.54			EDF
SL0002020084-MW-5	0	BZME	3/28/2019	UG/L	ND	10	37.7310045	-122.2106504	MONITORING	13.24			EDF
SL0002020084-MW-5	0	BZME	9/26/2018	UG/L	ND	1	37.7310045	-122.2106504	MONITORING	13.24			EDF
SL0002020084-MW-6	0	BZME	3/28/2019	UG/L	ND	1	37.730918	-122.2106794	MONITORING	14.03			EDF
SL0002020084-MW-6	0	BZME	9/26/2018	UG/L	ND	1	37.730918	-122.2106794	MONITORING	14.03			EDF
SL0002020084-MW-7	0	BZME	9/26/2018	UG/L	ND	1	37.7310244	-122.2107759	MONITORING	13.73			EDF
SL0002020084-MW-7	0	BZME	3/28/2019	UG/L	ND	10	37.7310244	-122.2107759	MONITORING	13.73			EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top Screen (FT)	Screen Length (FT)	Source
SL0002020084-MW-8	0	BZME	3/29/2019	UG/L	ND	10	37.7310337	-122.2104802	MONITORING	11.4			EDF
SL0002020084-MW-8	0	BZME	9/26/2018	UG/L	ND	10	37.7310337	-122.2104802	MONITORING	11.4			EDF
SL0002020084-MW-9	0	BZME	3/29/2019	UG/L	ND	10	37.7306903	-122.2100941	MONITORING	13.06			EDF
SL0002020084-MW-9	0	BZME	9/27/2018	UG/L	ND	1	37.7306903	-122.2100941	MONITORING	13.06			EDF
SL18244665-GW-10B	0	BZME	10/1/2018	UG/L	ND	0.5	37.9424069	-122.3747428	MONITORING		120.55	20	EDF
SL18244665-GW-10C	0	BZME	12/17/2018	UG/L	ND	0.5	37.94571257	-122.3722745	MONITORING		16.06	20	EDF
SL18244665-GW-10C	0	BZME	12/17/2018	UG/L	ND	2.5	37.94571257	-122.3722745	MONITORING		16.06	20	EDF
SL18244665-GW-11A	0	BZME	9/25/2018	UG/L	ND	0.5	37.9434276	-122.3739047	MONITORING		5.64	6.5	EDF
SL18244665-GW-11C	0	BZME	9/25/2018	UG/L	ND	1	37.94342714	-122.3739439	MONITORING		16.42	18.3	EDF
SL18244665-GW-12A	0	BZME	8/7/2018	UG/L	ND	2.5	37.9451492	-122.3717197	MONITORING		5.52	12	EDF
SL18244665-GW-12A	0	BZME	8/7/2018	UG/L	ND	0.5	37.9451492	-122.3717197	MONITORING		5.52	12	EDF
SL18244665-GW-13A	0	BZME	8/7/2018	UG/L	ND	2.5	37.94470454	-122.3721462	MONITORING		5.75	13	EDF
SL18244665-GW-15A	0	BZME	8/7/2018	UG/L	ND	2.5	37.94283711	-122.3734862	MONITORING		4.21	11	EDF
SL18244665-GW-15C	0	BZME	8/20/2018	UG/L	ND	100	37.94240823	-122.3736443	MONITORING		45.96	17	EDF
SL18244665-GW-19A	0	BZME	8/7/2018	UG/L	ND	2.5	37.94227532	-122.3722844	MONITORING		2.7	7.5	EDF
SL18244665-GW-19C	0	BZME	8/21/2018	UG/L	ND	0.5	37.94226543	-122.37187	MONITORING		43.54	19.5	EDF
SL18244665-GW-20A	0	BZME	8/13/2018	UG/L	ND	2.5	37.94224213	-122.3707597	MONITORING		4.64	9.5	EDF
SL18244665-GW-21C	0	BZME	8/21/2018	UG/L	ND	0.5	37.94422319	-122.3723033	MONITORING		48.61	19.3	EDF
SL18244665-GW-22C	0	BZME	8/23/2018	UG/L	ND	0.5	37.94274576	-122.3744984	MONITORING		43.97	20	EDF
SL18244665-GW-23C	0	BZME	8/23/2018	UG/L	ND	0.5	37.9422953	-122.3748326	MONITORING		43.07	20	EDF
SL18244665-GW-25C	0	BZME	9/26/2018	UG/L	ND	0.5	37.94153924	-122.3737241	MONITORING		54.51	20	EDF
SL18244665-GW-26C	0	BZME	8/23/2018	UG/L	ND	0.5	37.94218323	-122.3749231	MONITORING		65.1	10	EDF
SL18244665-GW-2C	0	BZME	10/3/2018	UG/L	ND	5	37.94224213	-122.3707597	MONITORING		31.66	4	EDF
SL18244665-GW-2C	0	BZME	10/29/2018	UG/L	ND	5	37.94224213	-122.3707597	MONITORING		31.66	4	EDF
SL18244665-GW-38C	0	BZME	10/3/2018	UG/L	ND	5	37.95391455	-122.3756007	MONITORING		29.1	5	EDF
SL18244665-GW-40C	0	BZME	8/28/2018	UG/L	ND	2.5	37.94562252	-122.3729223	MONITORING		31.84	15	EDF
SL18244665-GW-40C	0	BZME	8/28/2018	UG/L	ND	0.5	37.94562252	-122.3729223	MONITORING		31.84	15	EDF
SL18244665-GW-63C	0	BZME	10/3/2018	UG/L	ND	5	37.95392247	-122.3786384	MONITORING		30.67	10	EDF
SL18244665-GW-6B-2	0	BZME	9/26/2018	UG/L	ND	0.5	37.94493217	-122.3736841	MONITORING		108.99	20	EDF
SL18244665-GW-6C-1	0	BZME	8/28/2018	UG/L	ND	0.5	37.94450788	-122.3737154	MONITORING		23.29	20	EDF
SL18244665-GW-7A	0	BZME	8/8/2018	UG/L	ND	2.5	37.94410917	-122.3670541	MONITORING		8.79	18	EDF
SL18244665-GW-7A	0	BZME	8/8/2018	UG/L	ND	0.5	37.94410917	-122.3670541	MONITORING		8.79	18	EDF
SL18244665-GW-7B	0	BZME	9/19/2018	UG/L	ND	0.5	37.94393562	-122.3671182	MONITORING		121.01	16	EDF
SL18244665-GW-7B	0	BZME	9/19/2018	UG/L	ND	2.5	37.94393562	-122.3671182	MONITORING		121.01	16	EDF
SL18244665-GW-7C	0.1	BZME	8/20/2018	UG/L	ND	0.5	37.94404005	-122.3670343	MONITORING		33.71	20	EDF
SL18244665-GW-7C	0	BZME	8/20/2018	UG/L	ND	0.5	37.94404005	-122.3670343	MONITORING		33.71	20	EDF
SL18244665-GW-8A	0	BZME	8/13/2018	UG/L	ND	0.5	37.94248218	-122.3683813	MONITORING		7.39	19	EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top Screen (FT)	Screen Length (FT)	Source
SL18244665-GW-8A	0.1	BZME	8/13/2018	UG/L	ND	0.5	37.94248218	-122.3683813	MONITORING		7.39	19	EDF
SL18244665-GW-8C	0	BZME	8/20/2018	UG/L	ND	0.5	37.94244141	-122.3684697	MONITORING		43.25	20	EDF
SL18344764-MW-15A	0	BZME	8/6/2018	UG/L	ND	0.5	37.7427836	-122.1514643	MONITORING	25.87	16	10	EDF
SL18344764-MW-15B	0	BZME	8/6/2018	UG/L	ND	50	37.7427775	-122.1514593	MONITORING	48.93	39	10	EDF
SL20244862-AMW-11BR	0	BZME	8/16/2018	UG/L	ND	0.5	37.7658117	-122.2232405	MONITORING				EDF
SL20244862-AMW-11BR	0	BZME	1/30/2019	UG/L	ND	0.5	37.7658117	-122.2232405	MONITORING				EDF
SL20244862-AMW-13AR	0.99	BZME	8/17/2018	UG/L	=	0.5	37.7666675	-122.2235634	MONITORING		10	8	EDF
SL20244862-AMW-13AR	0	BZME	1/29/2019	UG/L	ND	0.5	37.7666675	-122.2235634	MONITORING		10	8	EDF
SL20244862-AMW-13B	0	BZME	1/29/2019	UG/L	ND	0.5	37.7666722	-122.2235346	MONITORING				EDF
SL20244862-AMW-13B	1.5	BZME	8/16/2018	UG/L	=	0.5	37.7666722	-122.2235346	MONITORING				EDF
SL20244862-AMW-14B	0	BZME	8/16/2018	UG/L	ND	10	37.7662006	-122.2237995	MONITORING		27	10	EDF
SL20244862-AMW-14B	0	BZME	1/28/2019	UG/L	ND	1	37.7662006	-122.2237995	MONITORING		27	10	EDF
SL20244862-AMW-17A	0	BZME	1/29/2019	UG/L	ND	0.5	37.766592	-122.2237993	MONITORING		10	8	EDF
SL20244862-AMW-17B	0	BZME	1/29/2019	UG/L	ND	0.5	37.7665997	-122.223806	MONITORING		26	10	EDF
SL20244862-AMW-17B	0	BZME	8/16/2018	UG/L	ND	0.5	37.7665997	-122.223806	MONITORING		26	10	EDF
SL20244862-AMW-18B	0	BZME	8/17/2018	UG/L	ND	0.5	37.7662123	-122.2238961	MONITORING				EDF
SL20244862-AMW-18B	0	BZME	1/28/2019	UG/L	ND	0.5	37.7662123	-122.2238961	MONITORING				EDF
SL20244862-AMW-1A	0	BZME	8/17/2018	UG/L	ND	0.5	37.766695	-122.224039	MONITORING				EDF
SL20244862-AMW-1A	0	BZME	1/30/2019	UG/L	ND	0.5	37.766695	-122.224039	MONITORING				EDF
SL20244862-AMW-1B	0	BZME	8/17/2018	UG/L	ND	0.5	37.7666866	-122.2240268	MONITORING				EDF
SL20244862-AMW-1B	0	BZME	1/30/2019	UG/L	ND	0.5	37.7666866	-122.2240268	MONITORING				EDF
SL20244862-AMW-1B	0	BZME	11/9/2018	UG/L	ND	0.5	37.7666866	-122.2240268	MONITORING				EDF
SL20244862-AMW-2B	0	BZME	8/17/2018	UG/L	ND	2.5	37.7665343	-122.2238173	MONITORING		27.95		EDF
SL20244862-AMW-2B	2.8	BZME	1/29/2019	UG/L	=	2.5	37.7665343	-122.2238173	MONITORING		27.95		EDF
SL20244862-AMW-3A	0	BZME	8/16/2018	UG/L	ND	0.5	37.7665503	-122.2244457	MONITORING		7.75		EDF
SL20244862-AMW-3B	0	BZME	11/9/2018	UG/L	ND	50	37.7665564	-122.2244535	MONITORING		21.75		EDF
SL20244862-AMW-3B	0	BZME	1/28/2019	UG/L	ND	100	37.7665564	-122.2244535	MONITORING		21.75		EDF
SL20244862-AMW-3B	0	BZME	8/17/2018	UG/L	ND	200	37.7665564	-122.2244535	MONITORING		21.75		EDF
SL20244862-AMW-4A	0	BZME	1/30/2019	UG/L	ND	0.5	37.7662836	-122.2241343	MONITORING		6.82		EDF
SL20244862-AMW-4B	4.2	BZME	1/28/2019	UG/L	=	0.5	37.7662928	-122.2241481	MONITORING		22.89		EDF
SL20244862-AMW-4B	1.6	BZME	8/17/2018	UG/L	=	0.5	37.7662928	-122.2241481	MONITORING		22.89		EDF
SL20244862-AMW-4B	3.1	BZME	11/9/2018	UG/L	=	0.5	37.7662928	-122.2241481	MONITORING		22.89		EDF
SL20244862-AMW-5AR	820	BZME	8/16/2018	UG/L	=	50	37.7660134	-122.2236205	MONITORING		10	8	EDF
SL20244862-AMW-5AR	0	BZME	1/30/2019	UG/L	ND	0.5	37.7660134	-122.2236205	MONITORING		10	8	EDF
SL20244862-AMW-5B	0	BZME	8/17/2018	UG/L	ND	0.5	37.766014	-122.2236072	MONITORING		23		EDF
SL20244862-AMW-5B	0	BZME	1/30/2019	UG/L	ND	0.5	37.766014	-122.2236072	MONITORING		23		EDF
SL20244862-AMW-7B	0	BZME	8/16/2018	UG/L	ND	0.5	37.7669555	-122.2238839	MONITORING		24		EDF

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SL20244862-AMW-7B	0	BZME	1/28/2019	UG/L	ND	0.5	37.7669555	-122.2238839	MONITORING		24		EDF
SL20244862-AMW-9B	0	BZME	1/28/2019	UG/L	ND	2	37.7661133	-122.2233412	MONITORING		23.8		EDF
SL20244862-AMW-9B	0	BZME	8/17/2018	UG/L	ND	2	37.7661133	-122.2233412	MONITORING		23.8		EDF
SL20244862-APZ-1B	0	BZME	1/28/2019	UG/L	ND	0.5	37.7661732	-122.2237508	MONITORING				EDF
SL20244862-PZ-2	0	BZME	8/17/2018	UG/L	ND	0.5	37.7666071	-122.2237795	MONITORING				EDF
SL20244862-PZ-2	0	BZME	1/29/2019	UG/L	ND	0.5	37.7666071	-122.2237795	MONITORING				EDF
SL374211188-MW-10	0	BZME	10/31/2018	UG/L	ND	0.5	37.916958	-122.3669297	MONITORING	14.32			EDF
SL374211188-MW-10	0	BZME	8/6/2018	UG/L	ND	0.5	37.916958	-122.3669297	MONITORING	14.32			EDF
SL374211188-MW-10	0	BZME	1/17/2019	UG/L	ND	0.5	37.916958	-122.3669297	MONITORING	14.32			EDF
SL374211188-MW-11	0	BZME	11/1/2018	UG/L	ND	0.5	37.916676	-122.3668027	MONITORING	18.8			EDF
SL374211188-MW-11	0	BZME	1/17/2019	UG/L	ND	0.5	37.916676	-122.3668027	MONITORING	18.8			EDF
SL374211188-MW-11	0	BZME	8/7/2018	UG/L	ND	0.5	37.916676	-122.3668027	MONITORING	18.8			EDF
SL374211188-MW-12	0	BZME	8/7/2018	UG/L	ND	0.5	37.9166706	-122.3666519	MONITORING	14.21			EDF
SL374211188-MW-12	0	BZME	11/1/2018	UG/L	ND	0.5	37.9166706	-122.3666519	MONITORING	14.21			EDF
SL374211188-MW-12	0	BZME	1/17/2019	UG/L	ND	0.5	37.9166706	-122.3666519	MONITORING	14.21			EDF
SL374211188-MW-13	0	BZME	11/1/2018	UG/L	ND	0.5	37.916666	-122.3665121	MONITORING	9.88			EDF
SL374211188-MW-14	0	BZME	11/1/2018	UG/L	ND	0.5	37.91667	-122.3663603	MONITORING	10.5			EDF
SL374211188-MW-16	0	BZME	1/17/2019	UG/L	ND	0.5	37.9164683	-122.3660472	MONITORING	7.92			EDF
SL374211188-MW-16	0	BZME	11/1/2018	UG/L	ND	0.5	37.9164683	-122.3660472	MONITORING	7.92			EDF
SL374211188-MW-16	0	BZME	8/7/2018	UG/L	ND	0.5	37.9164683	-122.3660472	MONITORING	7.92			EDF
SL374211188-MW-18	0	BZME	10/31/2018	UG/L	ND	0.5	37.9161799	-122.365978	MONITORING	10.25			EDF
SL374211188-MW-18	0	BZME	1/17/2019	UG/L	ND	0.5	37.9161799	-122.365978	MONITORING	10.25			EDF
SL374211188-MW-18	0	BZME	8/7/2018	UG/L	ND	0.5	37.9161799	-122.365978	MONITORING	10.25			EDF
SL374211188-MW-20	0	BZME	8/7/2018	UG/L	ND	0.5	37.9166269	-122.3660268	MONITORING	11.9			EDF
SL374211188-MW-20	0	BZME	1/17/2019	UG/L	ND	0.5	37.9166269	-122.3660268	MONITORING	11.9			EDF
SL374211188-MW-20	0	BZME	11/1/2018	UG/L	ND	0.5	37.9166269	-122.3660268	MONITORING	11.9			EDF
SL374211188-MW-21	0	BZME	10/31/2018	UG/L	ND	0.5	37.9166656	-122.3658416	MONITORING	22.46			EDF
SL374211188-MW-21	0	BZME	1/17/2019	UG/L	ND	0.5	37.9166656	-122.3658416	MONITORING	22.46			EDF
SL374211188-MW-21	0	BZME	8/7/2018	UG/L	ND	0.5	37.9166656	-122.3658416	MONITORING	22.46			EDF
SL374211188-MW-22	0	BZME	11/1/2018	UG/L	ND	0.5	37.9154816	-122.3655665	MONITORING	7.63			EDF
SL374211188-MW-22	0	BZME	8/7/2018	UG/L	ND	0.5	37.9154816	-122.3655665	MONITORING	7.63			EDF
SL374211188-MW-22	0	BZME	1/17/2019	UG/L	ND	0.5	37.9154816	-122.3655665	MONITORING	7.63			EDF
SL374211188-MW-23	0	BZME	1/16/2019	UG/L	ND	0.5	37.9146628	-122.3654886	MONITORING	9.65			EDF
SL374211188-MW-23	0	BZME	10/31/2018	UG/L	ND	0.5	37.9146628	-122.3654886	MONITORING	9.65			EDF
SL374211188-MW-23	0	BZME	8/6/2018	UG/L	ND	0.5	37.9146628	-122.3654886	MONITORING	9.65			EDF
SL374211188-MW-24	0	BZME	1/17/2019	UG/L	ND	0.5	37.914886	-122.3657611	MONITORING	8.49	3.5	10	EDF
SL374211188-MW-24	0	BZME	8/7/2018	UG/L	ND	0.5	37.914886	-122.3657611	MONITORING	8.49	3.5	10	EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top Screen (FT)	Screen Length (FT)	Source
SL374211188-MW-24	0	BZME	11/1/2018	UG/L	ND	0.5	37.914886	-122.3657611	MONITORING	8.49	3.5	10	EDF
SL374211188-MW-25	0	BZME	10/31/2018	UG/L	ND	0.5	37.914611	-122.3657607	MONITORING	12.6	2.5	10	EDF
SL374211188-MW-25	0	BZME	1/17/2019	UG/L	ND	0.5	37.914611	-122.3657607	MONITORING	12.6	2.5	10	EDF
SL374211188-MW-25	0	BZME	8/6/2018	UG/L	ND	0.5	37.914611	-122.3657607	MONITORING	12.6	2.5	10	EDF
SL374211188-MW-26	0	BZME	1/17/2019	UG/L	ND	0.5	37.91443	-122.36574	MONITORING	12.2	3	10	EDF
SL374211188-MW-26	0	BZME	8/6/2018	UG/L	ND	0.5	37.91443	-122.36574	MONITORING	12.2	3	10	EDF
SL374211188-MW-26	0	BZME	10/31/2018	UG/L	ND	0.5	37.91443	-122.36574	MONITORING	12.2	3	10	EDF
SL374211188-MW-27	0	BZME	1/17/2019	UG/L	ND	0.5	37.9150943	-122.3655451	MONITORING	14.9	3	12	EDF
SL374211188-MW-27	0	BZME	11/1/2018	UG/L	ND	0.5	37.9150943	-122.3655451	MONITORING	14.9	3	12	EDF
SL374211188-MW-27	0	BZME	8/6/2018	UG/L	ND	0.5	37.9150943	-122.3655451	MONITORING	14.9	3	12	EDF
SL374211188-MW-28	0	BZME	1/17/2019	UG/L	ND	0.5	37.9168946	-122.3662628	MONITORING	14.9	3	12	EDF
SL374211188-MW-28	0	BZME	10/31/2018	UG/L	ND	0.5	37.9168946	-122.3662628	MONITORING	14.9	3	12	EDF
SL374211188-MW-28	0	BZME	8/6/2018	UG/L	ND	0.5	37.9168946	-122.3662628	MONITORING	14.9	3	12	EDF
SL374211188-MW-3	0	BZME	1/17/2019	UG/L	ND	0.5	37.91428	-122.3668806	MONITORING	9.01			EDF
SL374211188-MW-3	0	BZME	8/7/2018	UG/L	ND	0.5	37.91428	-122.3668806	MONITORING	9.01			EDF
SL374211188-MW-3	0	BZME	10/31/2018	UG/L	ND	0.5	37.91428	-122.3668806	MONITORING	9.01			EDF
SL374211188-MW-5	0	BZME	8/6/2018	UG/L	ND	0.5	37.917632	-122.3671446	MONITORING	8.6			EDF
SL374211188-MW-5	0	BZME	1/17/2019	UG/L	ND	0.5	37.917632	-122.3671446	MONITORING	8.6			EDF
SL374211188-MW-5	0	BZME	10/31/2018	UG/L	ND	0.5	37.917632	-122.3671446	MONITORING	8.6			EDF
SL374211188-MW-6	0	BZME	10/31/2018	UG/L	ND	0.5	37.9172709	-122.3709288	MONITORING	14.45			EDF
SL374211188-MW-7	0	BZME	10/31/2018	UG/L	ND	0.5	37.9145078	-122.367912	MONITORING	11.05			EDF
SL374211188-MW-8	0	BZME	8/7/2018	UG/L	ND	0.5	37.9161588	-122.366502	MONITORING	13.03			EDF
SL374211188-MW-8	0	BZME	1/17/2019	UG/L	ND	0.5	37.9161588	-122.366502	MONITORING	13.03			EDF
SL374211188-MW-8	0	BZME	10/31/2018	UG/L	ND	0.5	37.9161588	-122.366502	MONITORING	13.03			EDF
SL374211188-MW-9	0	BZME	10/31/2018	UG/L	ND	0.5	37.9158112	-122.3670172	MONITORING	14.65			EDF
SL374211188-RW-11	0	BZME	10/31/2018	UG/L	ND	0.5	37.9157873	-122.3664703	MONITORING	14.76	3	12	EDF
SL374211188-RW-13	0	BZME	8/6/2018	UG/L	ND	0.5	37.9154955	-122.3664953	MONITORING	12.58	3	12	EDF
SL374211188-RW-13	0	BZME	1/17/2019	UG/L	ND	0.5	37.9154955	-122.3664953	MONITORING	12.58	3	12	EDF
SL374211188-RW-13	0	BZME	10/31/2018	UG/L	ND	0.5	37.9154955	-122.3664953	MONITORING	12.58	3	12	EDF
SL374211188-RW-15	0	BZME	11/1/2018	UG/L	ND	0.5	37.914245	-122.3663342	MONITORING	6.2	2.5	5	EDF
SL374211188-RW-15	0	BZME	1/17/2019	UG/L	ND	0.5	37.914245	-122.3663342	MONITORING	6.2	2.5	5	EDF
SL374211188-RW-15	0	BZME	8/7/2018	UG/L	ND	0.5	37.914245	-122.3663342	MONITORING	6.2	2.5	5	EDF
SL374211188-RW-16	0	BZME	1/17/2019	UG/L	ND	0.5	37.9145961	-122.3661333	MONITORING	5.13	2.5	5	EDF
SL374211188-RW-17	0	BZME	1/17/2019	UG/L	ND	0.5	37.914242	-122.3666158	MONITORING	7.11	2.5	5	EDF
SL374211188-RW-17	0	BZME	8/7/2018	UG/L	ND	0.5	37.914242	-122.3666158	MONITORING	7.11	2.5	5	EDF
SL374211188-RW-17	0	BZME	11/1/2018	UG/L	ND	0.5	37.914242	-122.3666158	MONITORING	7.11	2.5	5	EDF
SL374211188-RW-18	0	BZME	10/31/2018	UG/L	ND	0.5	37.914851	-122.3673967	MONITORING	7.72	2.5	5	EDF

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SL374211188-RW-19	0	BZME	10/31/2018	UG/L	ND	0.5	37.9151865	-122.3664937	MONITORING	13.2	2.5	12.5	EDF
SL374211188-RW-2	0	BZME	11/1/2018	UG/L	ND	0.5	37.9154109	-122.3668299	MONITORING	8.05	3	5	EDF
SL374211188-RW-20	0	BZME	10/31/2018	UG/L	ND	0.5	37.9153646	-122.3673763	MONITORING	7.44	3	5	EDF
SL374211188-RW-21	0	BZME	8/6/2018	UG/L	ND	0.5	37.9141655	-122.3678046	MONITORING	8.3	3	5	EDF
SL374211188-RW-21	0	BZME	1/17/2019	UG/L	ND	0.5	37.9141655	-122.3678046	MONITORING	8.3	3	5	EDF
SL374211188-RW-21	0	BZME	10/31/2018	UG/L	ND	0.5	37.9141655	-122.3678046	MONITORING	8.3	3	5	EDF
SL374211188-RW-22	0	BZME	10/31/2018	UG/L	ND	0.5	37.9161735	-122.3671079	MONITORING	7.7	2.5	5	EDF
SL374211188-RW-23	0	BZME	10/31/2018	UG/L	ND	0.5	37.9141622	-122.3686021	MONITORING	8.07	2.5	5	EDF
SL374211188-RW-24	0	BZME	10/31/2018	UG/L	ND	0.5	37.9144164	-122.3693399	MONITORING	7.62	2.5	5	EDF
SL374211188-RW-3	0	BZME	1/17/2019	UG/L	ND	0.5	37.9157416	-122.3658083	MONITORING	6.94	3	5	EDF
SL374211188-RW-3	0	BZME	11/1/2018	UG/L	ND	0.5	37.9157416	-122.3658083	MONITORING	6.94	3	5	EDF
SL374211188-RW-3	0	BZME	8/7/2018	UG/L	ND	0.5	37.9157416	-122.3658083	MONITORING	6.94	3	5	EDF
SL374211188-RW-4	0	BZME	11/1/2018	UG/L	ND	0.5	37.9163577	-122.3673581	MONITORING	7.2	2	5	EDF
SL374211188-RW-4	0	BZME	8/6/2018	UG/L	ND	0.5	37.9163577	-122.3673581	MONITORING	7.2	2	5	EDF
SL374211188-RW-4	0	BZME	1/17/2019	UG/L	ND	0.5	37.9163577	-122.3673581	MONITORING	7.2	2	5	EDF
SL374211188-RW-5	0	BZME	8/7/2018	UG/L	ND	0.5	37.915164	-122.3658226	MONITORING	6.71	2	5	EDF
SL374211188-RW-5	0	BZME	11/1/2018	UG/L	ND	0.5	37.915164	-122.3658226	MONITORING	6.71	2	5	EDF
SL374211188-RW-5	0	BZME	1/17/2019	UG/L	ND	0.5	37.915164	-122.3658226	MONITORING	6.71	2	5	EDF
SL374211188-RW-6	0	BZME	8/6/2018	UG/L	ND	0.5	37.9144291	-122.3657396	MONITORING	6.35	2	5	EDF
SL374211188-RW-6	0	BZME	10/31/2018	UG/L	ND	0.5	37.9144291	-122.3657396	MONITORING	6.35	2	5	EDF
SL374211188-RW-6	0	BZME	1/17/2019	UG/L	ND	0.5	37.9144291	-122.3657396	MONITORING	6.35	2	5	EDF
SL374211188-RW-7	0	BZME	10/31/2018	UG/L	ND	0.5	37.9144123	-122.3663072	MONITORING	7.03	2	6	EDF
SL374211188-RW-9	0	BZME	1/17/2019	UG/L	ND	0.5	37.914245	-122.3658639	MONITORING	7.5	2	6	EDF
SL374211188-RW-9	0	BZME	8/7/2018	UG/L	ND	0.5	37.914245	-122.3658639	MONITORING	7.5	2	6	EDF
SL374211188-RW-9	0	BZME	10/31/2018	UG/L	ND	0.5	37.914245	-122.3658639	MONITORING	7.5	2	6	EDF
SL599992806-MW-4R	0	BZME	10/16/2018	UG/L	ND	0.5	37.7131936	-122.2025917	MONITORING		3	10	EDF
SL599992806-MW-5R	0	BZME	10/16/2018	UG/L	ND	0.5	37.7132446	-122.2024901	MONITORING		3	10	EDF
SL599992806-MW-8	0	BZME	10/16/2018	UG/L	ND	0.5	37.7131393	-122.2028435	MONITORING		7.46	15	EDF
SL599992806-MW-9	0	BZME	10/16/2018	UG/L	ND	0.5	37.713333	-122.2021752	MONITORING		5.29	15	EDF
SL599992806-PMW-1	0	BZME	10/16/2018	UG/L	ND	0.5	37.7132267	-122.2027584	MONITORING		4	6	EDF
SL599992806-PMW-2	0	BZME	10/16/2018	UG/L	ND	0.5	37.7132671	-122.2026146	MONITORING		3	6	EDF
SL599992806-PMW-3	0	BZME	10/16/2018	UG/L	ND	0.5	37.7133181	-122.2024112	MONITORING		3	6	EDF
SL599992806-PMW-4	0	BZME	10/16/2018	UG/L	ND	0.5	37.7132099	-122.2027535	MONITORING		10	2	EDF
SL599992806-PMW-5	0	BZME	10/16/2018	UG/L	ND	0.5	37.7133034	-122.2024159	MONITORING		10	2	EDF
SL600192789-LMW-1	0	BZME	3/6/2019	UG/L	ND	0.5	37.77155139	-122.2345601	MONITORING		18	5	EDF
SL600192789-LMW-10	1	BZME	3/6/2019	UG/L	=	0.5	37.77110222	-122.233291	MONITORING		17	5	EDF
SL600192789-LMW-10	0	BZME	10/29/2018	UG/L	ND	0.5	37.77110222	-122.233291	MONITORING		17	5	EDF

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SL600192789-LMW-11	0.56	BZME	3/6/2019	UG/L	=	0.5	37.77105135	-122.2331784	MONITORING		17.5	5	EDF
SL600192789-LMW-12	0	BZME	3/6/2019	UG/L	ND	0.5	37.77086832	-122.2329368	MONITORING		16	5	EDF
SL600192789-LMW-13	13	BZME	10/29/2018	UG/L	=	10	37.77124549	-122.2329247	MONITORING		16.5	5	EDF
SL600192789-LMW-13	0	BZME	3/6/2019	UG/L	ND	10	37.77124549	-122.2329247	MONITORING		16.5	5	EDF
SL600192789-LMW-14	0	BZME	3/6/2019	UG/L	ND	0.5	37.77179201	-122.2341865	MONITORING		18	5	EDF
SL600192789-LMW-15	0	BZME	3/6/2019	UG/L	ND	0.5	37.7716536	-122.2338146	MONITORING		18	5	EDF
SL600192789-LMW-16	9.1	BZME	10/29/2018	UG/L	=	5	37.77150321	-122.2334078	MONITORING		18	5	EDF
SL600192789-LMW-16	9	BZME	3/6/2019	UG/L	=	0.5	37.77150321	-122.2334078	MONITORING		18	5	EDF
SL600192789-LMW-17	0	BZME	3/6/2019	UG/L	ND	0.5	37.77153587	-122.2327465	MONITORING		18	5	EDF
SL600192789-LMW-18	0	BZME	3/6/2019	UG/L	ND	0.5	37.77194965	-122.2332729	MONITORING		13	5	EDF
SL600192789-LMW-19	0	BZME	3/6/2019	UG/L	ND	0.5	37.77105475	-122.2327216	MONITORING		11	5	EDF
SL600192789-LMW-2	0	BZME	3/6/2019	UG/L	ND	0.5	37.77146119	-122.2343294	MONITORING		17.5	5	EDF
SL600192789-LMW-3	0	BZME	3/6/2019	UG/L	ND	0.5	37.77141021	-122.2342518	MONITORING		17.5	5	EDF
SL600192789-LMW-4	0	BZME	3/6/2019	UG/L	ND	0.5	37.77136935	-122.2341051	MONITORING		17.5	5	EDF
SL600192789-LMW-5	15	BZME	3/6/2019	UG/L	=	10	37.77134557	-122.2339439	MONITORING		17.5	5	EDF
SL600192789-LMW-6	0	BZME	3/6/2019	UG/L	ND	0.5	37.77132132	-122.2337996	MONITORING		17	5	EDF
SL600192789-LMW-7	0	BZME	3/6/2019	UG/L	ND	10	37.77127497	-122.2336846	MONITORING		17.5	5	EDF
SL600192789-LMW-8	2.4	BZME	3/6/2019	UG/L	=	0.5	37.77122855	-122.233554	MONITORING		17	5	EDF
SL600192789-LMW-9	0	BZME	3/6/2019	UG/L	ND	0.5	37.77117615	-122.2334264	MONITORING		17	5	EDF
SLT2O07076-MW-17	0	BZME	10/26/2018	UG/L	ND	1	37.8390419	-122.2911715	MONITORING				EDF
SLT2O07076-MW-18	0	BZME	10/26/2018	UG/L	ND	1	37.8389902	-122.2914482	MONITORING				EDF
SLT2O07076-MW-19A	0	BZME	10/26/2018	UG/L	ND	1	37.8389341	-122.2917242	MONITORING				EDF
SLT2O07076-MWX-10A	0	BZME	10/26/2018	UG/L	ND	1	37.8391195	-122.2917202	MONITORING				EDF
SLT2O07076-MWX-3	0	BZME	10/26/2018	UG/L	ND	2	37.8390958	-122.2913732	MONITORING				EDF
SLT2O07076-MWX-6	0	BZME	10/26/2018	UG/L	ND	1	37.8388625	-122.2924265	MONITORING				EDF
SLT2O07076-MWX-8	0	BZME	10/26/2018	UG/L	ND	1	37.83899	-122.2917935	MONITORING				EDF
SLT2O07076-MWX-9	0	BZME	10/26/2018	UG/L	ND	1	37.8388923	-122.2922482	MONITORING				EDF
SLT2O235331-EX-1	0	BZME	3/28/2019	UG/L	ND	0.5	37.922585	-122.368065	MONITORING		5	7	EDF
SLT2O235331-EX-2	0	BZME	3/28/2019	UG/L	ND	0.5	37.92205	-122.368057	MONITORING		5	7	EDF
SLT2O235331-EX-3	0	BZME	3/26/2019	UG/L	ND	0.5	37.921385	-122.368059	MONITORING		5	7	EDF
SLT2O235331-EX-4	0	BZME	3/28/2019	UG/L	ND	0.5	37.920877	-122.36826	MONITORING		5	7	EDF
SLT2O235331-EX-5	0	BZME	3/28/2019	UG/L	ND	0.5	37.921231	-122.368761	MONITORING		5	7	EDF
SLT2O235331-EX-6	0	BZME	3/28/2019	UG/L	ND	0.5	37.921977	-122.370029	MONITORING		5	7	EDF
SLT2O235331-EX-7	0	BZME	3/28/2019	UG/L	ND	0.5	37.92166	-122.369511	MONITORING		5	7	EDF
SLT2O235331-MW-29	0	BZME	3/21/2019	UG/L	ND	0.5	37.9210477	-122.3687638	MONITORING				EDF
SLT2O235331-MW-30	0	BZME	3/21/2019	UG/L	ND	0.5	37.9217339	-122.3698291	MONITORING				EDF
SLT2O235331-MW-31	0	BZME	3/21/2019	UG/L	ND	0.5	37.922703	-122.3702785	MONITORING				EDF

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SLT2O235331-MW-32	0	BZME	3/22/2019	UG/L	ND	0.5	37.9243976	-122.3694939	MONITORING				EDF
SLT2O235331-MW-33	0	BZME	3/27/2019	UG/L	ND	0.5	37.9230177	-122.3692868	MONITORING				EDF
SLT2O235331-MW-34	0	BZME	3/22/2019	UG/L	ND	0.5	37.9238846	-122.3694716	MONITORING				EDF
SLT2O235331-MW-35	0	BZME	3/27/2019	UG/L	ND	1	37.9216703	-122.3679857	MONITORING				EDF
SLT2O235331-MW-39	0	BZME	3/22/2019	UG/L	ND	0.5	37.92284443	-122.3681824	MONITORING		3	10	EDF
SLT2O235331-MW-40	0	BZME	3/22/2019	UG/L	ND	0.5	37.92312302	-122.3682621	MONITORING		2	10	EDF
SLT2O235331-MW-41	0	BZME	3/26/2019	UG/L	ND	0.5	37.92312197	-122.3685082	MONITORING		2	10	EDF
SLT2O235331-OW-1	0	BZME	3/27/2019	UG/L	ND	0.5	37.9222141	-122.3689796	MONITORING				EDF
SLT2O235331-OW-12	0	BZME	3/27/2019	UG/L	ND	0.5	37.9225709	-122.3695204	MONITORING				EDF
SLT2O235331-OW-16R	0	BZME	3/27/2019	UG/L	ND	2.5	37.9227091	-122.3701448	MONITORING		3	5	EDF
SLT2O235331-OW-17	0	BZME	3/27/2019	UG/L	ND	0.5	37.9242575	-122.3702486	MONITORING				EDF
SLT2O235331-OW-18	1	BZME	3/27/2019	UG/L	=	0.5	37.9237161	-122.3700539	MONITORING				EDF
SLT2O235331-OW-19	0	BZME	3/22/2019	UG/L	ND	0.5	37.9250696	-122.3699802	MONITORING				EDF
SLT2O235331-OW-21	0	BZME	3/22/2019	UG/L	ND	1	37.9236958	-122.3689612	MONITORING				EDF
SLT2O235331-OW-23	0	BZME	3/22/2019	UG/L	ND	0.5	37.9236369	-122.3680458	MONITORING				EDF
SLT2O235331-OW-24	0	BZME	3/22/2019	UG/L	ND	2.5	37.9227526	-122.3680047	MONITORING				EDF
SLT2O235331-OW-8	0	BZME	3/27/2019	UG/L	ND	0.5	37.921862	-122.3680887	MONITORING				EDF
SLT2O235331-OW-9	0	BZME	3/27/2019	UG/L	ND	0.5	37.9216567	-122.3685854	MONITORING				EDF
T0600100023-MW-1	0	BZME	4/5/2019	UG/L	ND	5	37.6657543	-122.1110476	MONITORING	24.59	10	15	EDF
T0600100023-MW-1	0	BZME	10/17/2018	UG/L	ND	5	37.6657543	-122.1110476	MONITORING	24.59	10	15	EDF
T0600100023-MW-10	0	BZME	10/16/2018	UG/L	ND	0.5	37.665572	-122.1116717	MONITORING	22.89	10	15	EDF
T0600100023-MW-10	0	BZME	4/5/2019	UG/L	ND	0.5	37.665572	-122.1116717	MONITORING	22.89	10	15	EDF
T0600100023-MW-11	0	BZME	10/17/2018	UG/L	ND	0.5	37.6659563	-122.1115286	MONITORING	24.58	10	15	EDF
T0600100023-MW-11	0	BZME	4/5/2019	UG/L	ND	0.5	37.6659563	-122.1115286	MONITORING	24.58	10	15	EDF
T0600100023-MW-12	0	BZME	4/5/2019	UG/L	ND	1	37.6662062	-122.1110086	MONITORING	24.43	10	25	EDF
T0600100023-MW-12	0	BZME	10/16/2018	UG/L	ND	1	37.6662062	-122.1110086	MONITORING	24.43	10	25	EDF
T0600100023-MW-2	0	BZME	4/8/2019	UG/L	ND	2.5	37.6657543	-122.1111421	MONITORING	24.77	10	15	EDF
T0600100023-MW-2	0	BZME	10/17/2018	UG/L	ND	2.5	37.6657543	-122.1111421	MONITORING	24.77	10	15	EDF
T0600100023-MW-3	0	BZME	4/5/2019	UG/L	ND	0.5	37.6657741	-122.1109271	MONITORING	24.49	10	15	EDF
T0600100023-MW-3	0	BZME	10/16/2018	UG/L	ND	0.5	37.6657741	-122.1109271	MONITORING	24.49	10	15	EDF
T0600100023-MW-4	0	BZME	10/17/2018	UG/L	ND	0.5	37.6658586	-122.111072	MONITORING	24.76	10	15	EDF
T0600100023-MW-4	0	BZME	4/5/2019	UG/L	ND	0.5	37.6658586	-122.111072	MONITORING	24.76	10	15	EDF
T0600100023-MW-5	0	BZME	4/8/2019	UG/L	ND	5	37.6658838	-122.1113597	MONITORING	23.7	10	15	EDF
T0600100023-MW-5	0	BZME	10/17/2018	UG/L	ND	5	37.6658838	-122.1113597	MONITORING	23.7	10	15	EDF
T0600100023-MW-6	0	BZME	10/17/2018	UG/L	ND	10	37.6657995	-122.1113563	MONITORING	23.84	10	15	EDF
T0600100023-MW-6	0	BZME	4/8/2019	UG/L	ND	10	37.6657995	-122.1113563	MONITORING	23.84	10	15	EDF
T0600100023-MW-7	0	BZME	4/5/2019	UG/L	ND	0.5	37.6659687	-122.1109735	MONITORING	26.91	11.8	15	EDF

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T0600100023-MW-7	0	BZME	10/17/2018	UG/L	ND	0.5	37.6659687	-122.1109735	MONITORING	26.91	11.8	15	EDF
T0600100023-MW-8	0	BZME	4/5/2019	UG/L	ND	2.5	37.6659573	-122.1111887	MONITORING	21.1	10	15	EDF
T0600100023-MW-8	0	BZME	10/17/2018	UG/L	ND	2.5	37.6659573	-122.1111887	MONITORING	21.1	10	15	EDF
T0600100023-MW-9	0	BZME	4/5/2019	UG/L	ND	0.5	37.665776	-122.1116849	MONITORING	23.59	10	15	EDF
T0600100023-MW-9	0	BZME	10/16/2018	UG/L	ND	0.5	37.665776	-122.1116849	MONITORING	23.59	10	15	EDF
T0600100106-MW-1	0	BZME	2/26/2019	UG/L	ND	0.5	37.8505529	-122.2609217	MONITORING				EDF
T0600100106-MW-1	0	BZME	9/12/2018	UG/L	ND	0.5	37.8505529	-122.2609217	MONITORING				EDF
T0600100106-MW-1	0	BZME	11/16/2018	UG/L	ND	0.5	37.8505529	-122.2609217	MONITORING				EDF
T0600100106-MW-10	0	BZME	2/26/2019	UG/L	ND	0.5	37.8500349	-122.2612052	MONITORING				EDF
T0600100106-MW-10	0	BZME	11/16/2018	UG/L	ND	0.5	37.8500349	-122.2612052	MONITORING				EDF
T0600100106-MW-11	2	BZME	11/16/2018	UG/L	=	0.5	37.8500741	-122.2609207	MONITORING				EDF
T0600100106-MW-11	0	BZME	2/26/2019	UG/L	ND	0.5	37.8500741	-122.2609207	MONITORING				EDF
T0600100106-MW-2	0	BZME	9/12/2018	UG/L	ND	0.5	37.850265	-122.260703	MONITORING				EDF
T0600100106-MW-2	0	BZME	2/26/2019	UG/L	ND	0.5	37.850265	-122.260703	MONITORING				EDF
T0600100106-MW-2	0	BZME	11/16/2018	UG/L	ND	0.5	37.850265	-122.260703	MONITORING				EDF
T0600100106-MW-3	0	BZME	11/16/2018	UG/L	ND	0.5	37.8502241	-122.2613074	MONITORING				EDF
T0600100106-MW-3	0.94	BZME	2/26/2019	UG/L	=	0.5	37.8502241	-122.2613074	MONITORING				EDF
T0600100106-MW-3	0	BZME	9/12/2018	UG/L	ND	0.5	37.8502241	-122.2613074	MONITORING				EDF
T0600100106-MW-4	39	BZME	9/12/2018	UG/L	=	5	37.8503259	-122.260995	MONITORING				EDF
T0600100106-MW-4	36	BZME	11/16/2018	UG/L	=	5	37.8503259	-122.260995	MONITORING				EDF
T0600100106-MW-4	49	BZME	2/26/2019	UG/L	=	2.5	37.8503259	-122.260995	MONITORING				EDF
T0600100106-MW-5	0	BZME	2/26/2019	UG/L	ND	0.5	37.8500028	-122.2614933	MONITORING				EDF
T0600100106-MW-5	0	BZME	11/16/2018	UG/L	ND	0.5	37.8500028	-122.2614933	MONITORING				EDF
T0600100106-MW-6	0	BZME	11/16/2018	UG/L	ND	0.5	37.8504109	-122.2613251	MONITORING				EDF
T0600100106-MW-6	0	BZME	2/26/2019	UG/L	ND	0.5	37.8504109	-122.2613251	MONITORING				EDF
T0600100106-MW-7	0	BZME	2/26/2019	UG/L	ND	0.5	37.8504703	-122.2606564	MONITORING				EDF
T0600100106-MW-7	0	BZME	11/16/2018	UG/L	ND	0.5	37.8504703	-122.2606564	MONITORING				EDF
T0600100106-MW-7	0	BZME	9/12/2018	UG/L	ND	0.5	37.8504703	-122.2606564	MONITORING				EDF
T0600100106-MW-8	0	BZME	11/16/2018	UG/L	ND	0.5	37.850354	-122.2606778	MONITORING				EDF
T0600100106-MW-8	0	BZME	9/12/2018	UG/L	ND	0.5	37.850354	-122.2606778	MONITORING				EDF
T0600100106-MW-8	0	BZME	2/26/2019	UG/L	ND	0.5	37.850354	-122.2606778	MONITORING				EDF
T0600100106-MW-9	0	BZME	2/26/2019	UG/L	ND	0.5	37.8503606	-122.2607613	MONITORING				EDF
T0600100106-MW-9	0	BZME	11/16/2018	UG/L	ND	0.5	37.8503606	-122.2607613	MONITORING				EDF
T0600100106-MW-9	0	BZME	9/12/2018	UG/L	ND	0.5	37.8503606	-122.2607613	MONITORING				EDF
T0600100174-MW-1	0	BZME	3/8/2019	UG/L	ND	1	37.8534345	-122.2895074	MONITORING	28.57	9.5	29.5	EDF
T0600100174-MW-1	0	BZME	9/13/2018	UG/L	ND	1	37.8534345	-122.2895074	MONITORING	28.57	9.5	29.5	EDF
T0600100174-MW-1	0	BZME	11/2/2018	UG/L	ND	1	37.8534345	-122.2895074	MONITORING	28.57	9.5	29.5	EDF

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T0600100174-MW-2	0	BZME	3/8/2019	UG/L	ND	1	37.8532649	-122.2894574	MONITORING	29	9.5	29.5	EDF
T0600100174-MW-2	0	BZME	11/2/2018	UG/L	ND	1	37.8532649	-122.2894574	MONITORING	29	9.5	29.5	EDF
T0600100174-MW-2	0	BZME	9/13/2018	UG/L	ND	1	37.8532649	-122.2894574	MONITORING	29	9.5	29.5	EDF
T0600100174-MW-3	0	BZME	11/2/2018	UG/L	ND	1	37.8534552	-122.2889644	MONITORING	26.85	5.5	27.5	EDF
T0600100174-MW-3	0	BZME	9/13/2018	UG/L	ND	1	37.8534552	-122.2889644	MONITORING	26.85	5.5	27.5	EDF
T0600100174-MW-3	0	BZME	3/8/2019	UG/L	ND	1	37.8534552	-122.2889644	MONITORING	26.85	5.5	27.5	EDF
T0600100174-MW-4	0	BZME	3/8/2019	UG/L	ND	1	37.8527471	-122.2888423	MONITORING	23.74	13	23	EDF
T0600100174-MW-4	0	BZME	11/2/2018	UG/L	ND	1	37.8527471	-122.2888423	MONITORING	23.74	13	23	EDF
T0600100174-MW-5	0	BZME	3/8/2019	UG/L	ND	1	37.8529153	-122.2881249	MONITORING	22.62	7	22	EDF
T0600100174-MW-5	0	BZME	11/2/2018	UG/L	ND	1	37.8529153	-122.2881249	MONITORING	22.62	7	22	EDF
T0600100174-MW-6	0	BZME	3/8/2019	UG/L	ND	1	37.8535593	-122.2883264	MONITORING	20.12	10	20	EDF
T0600100174-MW-6	0	BZME	11/2/2018	UG/L	ND	1	37.8535593	-122.2883264	MONITORING	20.12	10	20	EDF
T0600100213-MW-11	0	BZME	1/16/2019	UG/L	ND	1	37.7908152	-122.204726	MONITORING		11	15	EDF
T0600100213-MW-11	0	BZME	8/1/2018	UG/L	ND	1	37.7908152	-122.204726	MONITORING		11	15	EDF
T0600100213-MW-12	0	BZME	1/16/2019	UG/L	ND	1	37.7907498	-122.2044765	MONITORING				EDF
T0600100213-MW-13	0	BZME	1/16/2019	UG/L	ND	1	37.7910638	-122.204166	MONITORING				EDF
T0600100213-MW-2	0	BZME	1/16/2019	UG/L	ND	250	37.7914376	-122.2047025	MONITORING				EDF
T0600100213-MW-2	174	BZME	8/1/2018	UG/L	=	250	37.7914376	-122.2047025	MONITORING				EDF
T0600100213-MW-3	0	BZME	1/16/2019	UG/L	ND	1	37.791623	-122.2049134	MONITORING				EDF
T0600100213-MW-4	0	BZME	1/16/2019	UG/L	ND	1	37.7917827	-122.2044747	MONITORING				EDF
T0600100213-MW-5	0	BZME	8/1/2018	UG/L	ND	1	37.7909404	-122.2047175	MONITORING				EDF
T0600100213-MW-6	0	BZME	1/16/2019	UG/L	ND	1	37.7916397	-122.2051005	MONITORING				EDF
T0600100213-MW-7	0	BZME	1/16/2019	UG/L	ND	1	37.7913625	-122.2043486	MONITORING				EDF
T0600100213-MW-8	18	BZME	1/16/2019	UG/L	=	1	37.7913583	-122.2049013	MONITORING				EDF
T0600100213-MW-8	21.5	BZME	8/1/2018	UG/L	=	1	37.7913583	-122.2049013	MONITORING				EDF
T0600100213-MW-9	0	BZME	8/1/2018	UG/L	ND	1	37.7915281	-122.2049867	MONITORING				EDF
T0600100213-MW-9	0	BZME	1/16/2019	UG/L	ND	1	37.7915281	-122.2049867	MONITORING				EDF
T0600100213-RW-1	0	BZME	1/16/2019	UG/L	ND	1	37.7914412	-122.2047068	MONITORING				EDF
T0600100213-RW-1	0.82	BZME	8/1/2018	UG/L	=	1	37.7914412	-122.2047068	MONITORING				EDF
T0600100217-MW-10	171	BZME	3/13/2019	UG/L	=	100	37.7749082	-122.2118646	MONITORING				EDF
T0600100217-MW-10	660	BZME	9/21/2018	UG/L	=	50	37.7749082	-122.2118646	MONITORING				EDF
T0600100217-MW-11	61.9	BZME	9/21/2018	UG/L	=	5	37.774949	-122.2119062	MONITORING				EDF
T0600100217-MW-11	59.5	BZME	3/13/2019	UG/L	=	1	37.774949	-122.2119062	MONITORING				EDF
T0600100217-MW-12	148	BZME	3/13/2019	UG/L	=	25	37.7749216	-122.2117638	MONITORING				EDF
T0600100217-MW-12	259	BZME	9/21/2018	UG/L	=	500	37.7749216	-122.2117638	MONITORING				EDF
T0600100217-MW-3	0	BZME	3/13/2019	UG/L	ND	1	37.7749967	-122.2117942	MONITORING				EDF
T0600100217-MW-4	0	BZME	3/13/2019	UG/L	ND	1	37.7750895	-122.2120129	MONITORING				EDF

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T0600100217-MW-5	356	BZME	9/21/2018	UG/L	=	50	37.7749003	-122.2118454	MONITORING				EDF
T0600100217-MW-5	95.9	BZME	3/13/2019	UG/L	=	50	37.7749003	-122.2118454	MONITORING				EDF
T0600100217-MW-6	0	BZME	3/13/2019	UG/L	ND	1	37.7751601	-122.2117221	MONITORING				EDF
T0600100217-MW-7	0	BZME	3/13/2019	UG/L	ND	1	37.7750187	-122.2116254	MONITORING				EDF
T0600100274-MW-1	0	BZME	1/23/2019	UG/L	ND	0.5	37.80314273	-122.2306376	MONITORING	24.27	12	13	EDF
T0600100274-MW-2	2.5	BZME	1/23/2019	UG/L	=	2.5	37.80323921	-122.2304715	MONITORING	35.99	16	20	EDF
T0600100274-MW-3	0	BZME	1/23/2019	UG/L	ND	0.5	37.80336379	-122.2304582	MONITORING	35.6	15.5	22.5	EDF
T0600100274-MW-4	2.5	BZME	1/23/2019	UG/L	=	1.2	37.80327411	-122.2305482	MONITORING	22.22	17	5	EDF
T0600100274-MW-5	0	BZME	1/23/2019	UG/L	ND	0.5	37.80320986	-122.2305313	MONITORING	22	17	5	EDF
T0600100274-MW-6	0	BZME	1/23/2019	UG/L	ND	0.5	37.80329222	-122.2304247	MONITORING	22.27	17	5	EDF
T0600100274-MW-7	37	BZME	1/23/2019	UG/L	=	5	37.80316406	-122.2305723	MONITORING	21.16	16.5	5.5	EDF
T0600100292-C-11	0	BZME	12/18/2018	UG/L	ND	1	37.88033219	-122.295955	MONITORING	19.69			EDF
T0600100292-C-18	0	BZME	12/18/2018	UG/L	ND	1	37.88009983	-122.2963381	MONITORING	19.75			EDF
T0600100292-C-19	0	BZME	12/18/2018	UG/L	ND	1	37.87996258	-122.2967761	MONITORING	19.81			EDF
T0600100292-C-20	0.3	BZME	12/18/2018	UG/L	ND	1	37.88007451	-122.2968113	MONITORING	19.17			EDF
T0600100292-C-21	0	BZME	12/18/2018	UG/L	ND	1	37.88012673	-122.2971264	MONITORING	18.25			EDF
T0600100292-C-5	4	BZME	12/18/2018	UG/L	ND	10	37.8801284	-122.2962548	MONITORING	23.92			EDF
T0600100292-C-6	0	BZME	12/18/2018	UG/L	ND	1	37.8800541	-122.2960915	MONITORING	23.61			EDF
T0600100292-C-7	0.8	BZME	12/18/2018	UG/L	ND	1	37.88037958	-122.2960091	MONITORING	24.66			EDF
T0600100292-C-8	0	BZME	12/18/2018	UG/L	ND	20	37.88010701	-122.2961539	MONITORING	18.6			EDF
T0600100292-C-9	2	BZME	12/18/2018	UG/L	=	1	37.88006447	-122.2959154	MONITORING	19.02			EDF
T0600100292-MW-2	0.3	BZME	12/18/2018	UG/L	ND	1	37.8802191	-122.2962691	MONITORING	26.72			EDF
T0600100292-MW-3	2	BZME	12/18/2018	UG/L	=	1	37.8802574	-122.2963088	MONITORING	27.49			EDF
T0600100313-MW-4	0	BZME	4/29/2019	UG/L	ND	1	37.81083091	-122.2608176	MONITORING	13.82			EDF
T0600100313-MW-4	0	BZME	11/20/2018	UG/L	ND	1	37.81083091	-122.2608176	MONITORING	13.82			EDF
T0600100313-MW-5	610	BZME	4/29/2019	UG/L	=	5	37.81079224	-122.2606943	MONITORING	11.09			EDF
T0600100313-MW-5	330	BZME	11/20/2018	UG/L	=	10	37.81079224	-122.2606943	MONITORING	11.09			EDF
T0600100313-MW-6	0	BZME	4/29/2019	UG/L	ND	1	37.81091354	-122.261041	MONITORING	7.99			EDF
T0600100313-MW-6	0	BZME	11/20/2018	UG/L	ND	1	37.81091354	-122.261041	MONITORING	7.99			EDF
T0600100313-MW-8	0	BZME	4/29/2019	UG/L	ND	1	37.81053227	-122.2607443	MONITORING	7.78			EDF
T0600100313-MW-8	0	BZME	11/20/2018	UG/L	ND	1	37.81053227	-122.2607443	MONITORING	7.78			EDF
T0600100328-MW-1	0	BZME	9/22/2018	UG/L	ND	1	37.8091174	-122.2469622	MONITORING	18.97			EDF
T0600100328-MW-1	0	BZME	2/27/2019	UG/L	ND	1	37.8091174	-122.2469622	MONITORING	18.97			EDF
T0600100328-MW-10	0	BZME	2/27/2019	UG/L	ND	1	37.8088985	-122.2478081	MONITORING	18.96			EDF
T0600100328-MW-10	0	BZME	9/22/2018	UG/L	ND	10	37.8088985	-122.2478081	MONITORING	18.96			EDF
T0600100328-MW-2A	0	BZME	9/22/2018	UG/L	ND	1	37.8092243	-122.2469455	MONITORING	16.57			EDF
T0600100328-MW-2A	0	BZME	2/27/2019	UG/L	ND	20	37.8092243	-122.2469455	MONITORING	16.57			EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top Screen (FT)	Screen Length (FT)	Source
T0600100328-MW-3A	0	BZME	2/27/2019	UG/L	ND	5	37.8091933	-122.2465672	MONITORING	17.83			EDF
T0600100328-MW-3A	0	BZME	9/22/2018	UG/L	ND	1	37.8091933	-122.2465672	MONITORING	17.83			EDF
T0600100328-MW-4A	0.4	BZME	9/22/2018	UG/L	ND	1	37.8092631	-122.2466188	MONITORING	18.35			EDF
T0600100328-MW-4A	7	BZME	2/27/2019	UG/L	ND	10	37.8092631	-122.2466188	MONITORING	18.35			EDF
T0600100328-MW-5	0	BZME	2/27/2019	UG/L	ND	1	37.8089761	-122.2468142	MONITORING	32.53			EDF
T0600100328-MW-5	0	BZME	9/22/2018	UG/L	ND	1	37.8089761	-122.2468142	MONITORING	32.53			EDF
T0600100328-MW-6	0	BZME	9/22/2018	UG/L	ND	10	37.8089395	-122.2475677	MONITORING	18.11			EDF
T0600100328-MW-6	0	BZME	2/27/2019	UG/L	ND	10	37.8089395	-122.2475677	MONITORING	18.11			EDF
T0600100328-MW-8	0	BZME	2/27/2019	UG/L	ND	5	37.809267	-122.2464508	MONITORING	24.79			EDF
T0600100328-MW-9	0	BZME	9/22/2018	UG/L	ND	1	37.8091898	-122.2470611	MONITORING	14.22			EDF
T0600100328-MW-9	0	BZME	2/27/2019	UG/L	ND	1	37.8091898	-122.2470611	MONITORING	14.22			EDF
T0600100330-C-1	60	BZME	3/15/2019	UG/L	=	20	37.76342039	-122.2266795	MONITORING	16.92			EDF
T0600100330-C-3	0	BZME	3/15/2019	UG/L	ND	1	37.76356994	-122.2269215	MONITORING	18.84			EDF
T0600100330-MW-10	0	BZME	3/15/2019	UG/L	ND	1	37.76325349	-122.2263664	MONITORING	8.91			EDF
T0600100330-MW-10	0	BZME	8/27/2018	UG/L	ND	1	37.76325349	-122.2263664	MONITORING	8.91			EDF
T0600100330-MW-4	0	BZME	3/15/2019	UG/L	ND	1	37.76325662	-122.2266829	MONITORING	12.81			EDF
T0600100330-MW-5	0.5	BZME	3/15/2019	UG/L	ND	1	37.76330726	-122.2268681	MONITORING	12.31			EDF
T0600100330-MW-5	0	BZME	8/27/2018	UG/L	ND	1	37.76330726	-122.2268681	MONITORING	12.31			EDF
T0600100330-MW-6	0	BZME	3/15/2019	UG/L	ND	1	37.763539	-122.2266053	MONITORING	13.53			EDF
T0600100330-MW-6	0.4	BZME	8/27/2018	UG/L	ND	1	37.763539	-122.2266053	MONITORING	13.53			EDF
T0600100330-MW-7	0.7	BZME	8/27/2018	UG/L	ND	1	37.76331791	-122.226471	MONITORING	5.75			EDF
T0600100330-MW-7	0	BZME	3/15/2019	UG/L	ND	1	37.76331791	-122.226471	MONITORING	5.75			EDF
T0600100330-MW-8	0	BZME	3/15/2019	UG/L	ND	1	37.76354224	-122.2263059	MONITORING	9.14			EDF
T0600100330-MW-9	0	BZME	3/15/2019	UG/L	ND	1	37.76341492	-122.2259949	MONITORING	8.55			EDF
T0600100333-MW-2	0.2	BZME	12/14/2018	UG/L	ND	1	37.77343265	-122.2226881	MONITORING	19.46	5	15	EDF
T0600100333-MW-3	0	BZME	12/14/2018	UG/L	ND	1	37.77362282	-122.2225179	MONITORING	17.95	5	15	EDF
T0600100333-MW-4	0	BZME	12/14/2018	UG/L	ND	1	37.77327809	-122.2225081	MONITORING	17.83	7	13	EDF
T0600100333-VH-1	0.4	BZME	12/14/2018	UG/L	ND	1	37.77354448	-122.2228541	MONITORING	28.96	10	20	EDF
T0600100339-C-1	0	BZME	9/21/2018	UG/L	ND	1	37.774896	-122.2122443	MONITORING	38.05			EDF
T0600100339-C-1	10	BZME	3/13/2019	UG/L	ND	10	37.774896	-122.2122443	MONITORING	38.05			EDF
T0600100339-C-10	0	BZME	3/13/2019	UG/L	ND	1	37.7746722	-122.2120301	MONITORING	29.8			EDF
T0600100339-C-10	0	BZME	9/21/2018	UG/L	ND	1	37.7746722	-122.2120301	MONITORING	29.8			EDF
T0600100339-C-11	0	BZME	9/21/2018	UG/L	ND	1	37.7729656	-122.2123831	MONITORING	19.6			EDF
T0600100339-C-11	0	BZME	3/13/2019	UG/L	ND	1	37.7729656	-122.2123831	MONITORING	19.6			EDF
T0600100339-C-13	0	BZME	3/13/2019	UG/L	ND	1	37.774808	-122.2124666	MONITORING	19			EDF
T0600100339-C-13	0	BZME	9/21/2018	UG/L	ND	1	37.774808	-122.2124666	MONITORING	19			EDF
T0600100339-C-2	4	BZME	9/21/2018	UG/L	ND	10	37.7745271	-122.2123036	MONITORING	36.3			EDF

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T0600100339-C-2	27	BZME	3/13/2019	UG/L	=	10	37.7745271	-122.2123036	MONITORING	36.3			EDF
T0600100339-C-3	0	BZME	9/21/2018	UG/L	ND	1	37.7745947	-122.2124889	MONITORING	39.15			EDF
T0600100339-C-3	0.2	BZME	3/13/2019	UG/L	ND	1	37.7745947	-122.2124889	MONITORING	39.15			EDF
T0600100339-C-4	10	BZME	9/21/2018	UG/L	=	1	37.7743799	-122.2123715	MONITORING	36.52			EDF
T0600100339-C-4	37	BZME	3/13/2019	UG/L	=	20	37.7743799	-122.2123715	MONITORING	36.52			EDF
T0600100339-C-6	0	BZME	3/13/2019	UG/L	ND	1	37.7741784	-122.2126486	MONITORING	53.65			EDF
T0600100339-C-6	0	BZME	9/21/2018	UG/L	ND	1	37.7741784	-122.2126486	MONITORING	53.65			EDF
T0600100339-C-7	0	BZME	3/13/2019	UG/L	ND	1	37.7739615	-122.212475	MONITORING	50.93			EDF
T0600100339-C-7	0	BZME	9/21/2018	UG/L	ND	1	37.7739615	-122.212475	MONITORING	50.93			EDF
T0600100339-C-8	0	BZME	3/13/2019	UG/L	ND	1	37.773852	-122.2129805	MONITORING	56.01			EDF
T0600100339-C-9	0	BZME	9/21/2018	UG/L	ND	1	37.773664	-122.2127039	MONITORING				EDF
T0600100375-MW-18	0	BZME	8/16/2018	UG/L	ND	1	37.7480236	-122.2103566	MONITORING				EDF
T0600100375-MW-19A	24	BZME	8/16/2018	UG/L	=	5	37.7479606	-122.210739	MONITORING				EDF
T0600100375-MW-19B	0	BZME	8/16/2018	UG/L	ND	2	37.7479745	-122.2107282	MONITORING				EDF
T0600100375-MW-19C	0	BZME	8/15/2018	UG/L	ND	0.5	37.7479866	-122.2107205	MONITORING				EDF
T0600100375-MW-20A	0	BZME	8/16/2018	UG/L	ND	4.2	37.7467485	-122.2095839	MONITORING				EDF
T0600100375-MW-20B	0	BZME	8/16/2018	UG/L	ND	5	37.7467349	-122.2095734	MONITORING				EDF
T0600100375-MW-20C	0	BZME	8/16/2018	UG/L	ND	0.5	37.7467207	-122.2095603	MONITORING				EDF
T0600100406-MW-13	0	BZME	10/19/2018	UG/L	ND	0.5	37.8204078	-122.2608841	MONITORING	39.5	25	15	EDF
T0600100406-MW-20	360	BZME	10/18/2018	UG/L	=	25	37.820715	-122.262152	MONITORING		10	10	EDF
T0600100406-MW-21	2000	BZME	10/18/2018	UG/L	=	100	37.820596	-122.262089	MONITORING		10	10	EDF
T0600100406-MW-23	17	BZME	10/19/2018	UG/L	=	10	37.820362	-122.261755	MONITORING		12	10	EDF
T0600100406-MW-24	520	BZME	10/19/2018	UG/L	=	25	37.820402	-122.261631	MONITORING		11	10	EDF
T0600100406-MW-25	0	BZME	10/19/2018	UG/L	ND	0.5	37.82036	-122.261317	MONITORING		19	10	EDF
T0600100406-MW-26	0	BZME	10/19/2018	UG/L	ND	0.5	37.820199	-122.261421	MONITORING		12	10	EDF
T0600100406-MW-27	0	BZME	10/19/2018	UG/L	ND	0.5	37.820013	-122.261538	MONITORING		21	10	EDF
T0600100466-MW1	0	BZME	3/28/2019	UG/L	ND	0.5	37.8479589	-122.2528098	MONITORING		10	20	EDF
T0600100466-MW2	0	BZME	3/28/2019	UG/L	ND	0.5	37.8472908	-122.2527886	MONITORING		8	20	EDF
T0600100466-MW3	2.7	BZME	3/28/2019	UG/L	=	0.5	37.8471009	-122.2523813	MONITORING		7	20	EDF
T0600100466-MW4	0	BZME	3/28/2019	UG/L	ND	0.5	37.8470643	-122.2525015	MONITORING		7	20	EDF
T0600100466-MW5	1.2	BZME	3/28/2019	UG/L	=	0.5	37.847245	-122.252902	MONITORING		9	20	EDF
T0600100466-MW6	0	BZME	3/28/2019	UG/L	ND	0.5	37.8471859	-122.2521899	MONITORING		9	20	EDF
T0600100472-EW-1	0	BZME	1/3/2019	UG/L	ND	0.5	37.6284142	-122.0553945	MONITORING				EDF
T0600100472-EW-1	0	BZME	4/16/2019	UG/L	ND	0.5	37.6284142	-122.0553945	MONITORING				EDF
T0600100472-EW-1	0	BZME	9/12/2018	UG/L	ND	0.5	37.6284142	-122.0553945	MONITORING				EDF
T0600100472-EW-2	0	BZME	1/3/2019	UG/L	ND	0.5	37.62855971	-122.0555902	MONITORING		5	10	EDF
T0600100472-EW-2	0	BZME	9/11/2018	UG/L	ND	0.5	37.62855971	-122.0555902	MONITORING		5	10	EDF

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T0600100472-EW-2	0	BZME	4/16/2019	UG/L	ND	0.5	37.62855971	-122.0555902	MONITORING		5	10	EDF
T0600100472-EW-3	0	BZME	1/3/2019	UG/L	ND	0.5	37.62858284	-122.0553087	MONITORING		5	10	EDF
T0600100472-EW-3	0	BZME	9/11/2018	UG/L	ND	0.5	37.62858284	-122.0553087	MONITORING		5	10	EDF
T0600100472-EW-3	0	BZME	4/16/2019	UG/L	ND	0.5	37.62858284	-122.0553087	MONITORING		5	10	EDF
T0600100472-EW-4	0	BZME	9/11/2018	UG/L	ND	0.5	37.62848493	-122.0553185	MONITORING		5	10	EDF
T0600100472-EW-4	0	BZME	1/3/2019	UG/L	ND	0.5	37.62848493	-122.0553185	MONITORING		5	10	EDF
T0600100472-EW-4	0	BZME	4/17/2019	UG/L	ND	0.5	37.62848493	-122.0553185	MONITORING		5	10	EDF
T0600100472-EW-5	0	BZME	9/11/2018	UG/L	ND	0.5	37.62852909	-122.0552461	MONITORING		5	10	EDF
T0600100472-EW-5	0	BZME	4/17/2019	UG/L	ND	0.5	37.62852909	-122.0552461	MONITORING		5	10	EDF
T0600100472-EW-5	0	BZME	1/3/2019	UG/L	ND	0.5	37.62852909	-122.0552461	MONITORING		5	10	EDF
T0600100472-EW-6	0	BZME	9/12/2018	UG/L	ND	0.5	37.62815311	-122.0554619	MONITORING		5	10	EDF
T0600100472-EW-6	0	BZME	4/17/2019	UG/L	ND	0.5	37.62815311	-122.0554619	MONITORING		5	10	EDF
T0600100472-EW-6	0	BZME	1/4/2019	UG/L	ND	0.5	37.62815311	-122.0554619	MONITORING		5	10	EDF
T0600100472-EW-7	0	BZME	4/17/2019	UG/L	ND	0.5	37.62825246	-122.0552671	MONITORING		5	10	EDF
T0600100472-EW-7	0	BZME	9/12/2018	UG/L	ND	0.5	37.62825246	-122.0552671	MONITORING		5	10	EDF
T0600100472-EW-7	0	BZME	1/4/2019	UG/L	ND	0.5	37.62825246	-122.0552671	MONITORING		5	10	EDF
T0600100472-MW-V	0	BZME	9/11/2018	UG/L	ND	0.5	37.6285227	-122.0556238	MONITORING				EDF
T0600100472-MW-V	0	BZME	4/16/2019	UG/L	ND	0.5	37.6285227	-122.0556238	MONITORING				EDF
T0600100472-MW-V	0	BZME	1/3/2019	UG/L	ND	0.5	37.6285227	-122.0556238	MONITORING				EDF
T0600100472-MW-W	0	BZME	4/16/2019	UG/L	ND	0.5	37.6284557	-122.0555571	MONITORING				EDF
T0600100472-MW-X	0	BZME	9/12/2018	UG/L	ND	0.5	37.6283936	-122.0554982	MONITORING				EDF
T0600100472-MW-X	0	BZME	1/4/2019	UG/L	ND	0.5	37.6283936	-122.0554982	MONITORING				EDF
T0600100472-MW-X	0	BZME	4/16/2019	UG/L	ND	0.5	37.6283936	-122.0554982	MONITORING				EDF
T0600100472-MW-Y	0	BZME	4/17/2019	UG/L	ND	0.5	37.6284395	-122.055306	MONITORING				EDF
T0600100472-MW-Y	0	BZME	1/4/2019	UG/L	ND	0.5	37.6284395	-122.055306	MONITORING				EDF
T0600100472-MW-Y	0	BZME	9/12/2018	UG/L	ND	0.5	37.6284395	-122.055306	MONITORING				EDF
T0600100472-MW-Z	0	BZME	4/16/2019	UG/L	ND	0.5	37.6286319	-122.055285	MONITORING				EDF
T0600100472-MW-Z	0	BZME	9/12/2018	UG/L	ND	0.5	37.6286319	-122.055285	MONITORING				EDF
T0600100472-MW-Z	0	BZME	1/4/2019	UG/L	ND	0.5	37.6286319	-122.055285	MONITORING				EDF
T0600100639-MW-10	11	BZME	8/28/2018	UG/L	=	2	37.7341395	-122.1641102	MONITORING				EDF
T0600100639-MW-10	4.4	BZME	2/19/2019	UG/L	=	2	37.7341395	-122.1641102	MONITORING				EDF
T0600100639-MW-11	0	BZME	8/28/2018	UG/L	ND	0.5	37.7345691	-122.1637794	MONITORING				EDF
T0600100639-MW-11	0	BZME	2/19/2019	UG/L	ND	0.5	37.7345691	-122.1637794	MONITORING				EDF
T0600100639-MW-12	1.5	BZME	8/28/2018	UG/L	=	1	37.734324	-122.1643835	MONITORING				EDF
T0600100639-MW-13	0	BZME	2/19/2019	UG/L	ND	0.5	37.7339287	-122.1645083	MONITORING				EDF
T0600100639-MW-13	0	BZME	8/28/2018	UG/L	ND	0.5	37.7339287	-122.1645083	MONITORING				EDF
T0600100639-MW-14	0	BZME	8/28/2018	UG/L	ND	0.5	37.7337964	-122.163878	MONITORING				EDF

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T0600100639-MW-14	0	BZME	2/19/2019	UG/L	ND	0.5	37.7337964	-122.163878	MONITORING				EDF
T0600100639-MW-15	41	BZME	2/19/2019	UG/L	=	10	37.7340395	-122.163138	MONITORING				EDF
T0600100639-MW-15	36	BZME	8/28/2018	UG/L	=	10	37.7340395	-122.163138	MONITORING				EDF
T0600100639-MW-1A	0	BZME	8/28/2018	UG/L	ND	1	37.7345762	-122.1641133	MONITORING				EDF
T0600100639-MW-1A	0	BZME	2/19/2019	UG/L	ND	0.5	37.7345762	-122.1641133	MONITORING				EDF
T0600100639-MW-2	1.1	BZME	8/28/2018	UG/L	=	1	37.7338816	-122.1632683	MONITORING				EDF
T0600100639-MW-2	0	BZME	2/19/2019	UG/L	ND	1	37.7338816	-122.1632683	MONITORING				EDF
T0600100639-MW-3	0	BZME	2/19/2019	UG/L	ND	0.5	37.733992	-122.1633283	MONITORING				EDF
T0600100639-MW-3	0	BZME	8/28/2018	UG/L	ND	0.5	37.733992	-122.1633283	MONITORING				EDF
T0600100639-MW-5	0.8	BZME	2/19/2019	UG/L	=	0.5	37.7339032	-122.16297	MONITORING				EDF
T0600100639-MW-8	0	BZME	2/19/2019	UG/L	ND	0.5	37.7339079	-122.1635598	MONITORING				EDF
T0600100639-MW-8	0	BZME	8/28/2018	UG/L	ND	0.5	37.7339079	-122.1635598	MONITORING				EDF
T0600100639-MW-9	0	BZME	8/28/2018	UG/L	ND	0.5	37.7342596	-122.1637102	MONITORING				EDF
T0600100639-MW-9	0	BZME	2/19/2019	UG/L	ND	0.5	37.7342596	-122.1637102	MONITORING				EDF
T0600100666-BC-01	2.9	BZME	8/21/2018	UG/L	=	2.5	37.8109485	-122.2742193	MONITORING			20	EDF
T0600100666-BC-03	0	BZME	8/21/2018	UG/L	ND	0.5	37.8108495	-122.2743629	MONITORING			20	EDF
T0600100666-ES-01	38	BZME	8/21/2018	UG/L	=	25	37.8109902	-122.2742747	MONITORING		11	20	EDF
T0600100666-ES-02	60	BZME	8/21/2018	UG/L	=	25	37.8108756	-122.2742517	MONITORING		11	20	EDF
T0600100666-ES-03	65	BZME	8/20/2018	UG/L	=	25	37.8107773	-122.2744085	MONITORING		14.5	20	EDF
T0600100666-ES-04	0	BZME	8/21/2018	UG/L	ND	1	37.8110522	-122.2741834	MONITORING		11	20	EDF
T0600100666-ES-05	110	BZME	8/21/2018	UG/L	=	25	37.8109154	-122.2743359	MONITORING		11	20	EDF
T0600100666-ES-06	0	BZME	8/20/2018	UG/L	ND	0.5	37.8107719	-122.2739456	MONITORING		14.5	20	EDF
T0600100666-ES-07	0	BZME	8/20/2018	UG/L	ND	0.5	37.8105923	-122.2745302	MONITORING		14.5	20	EDF
T0600100666-ES-08	0	BZME	8/22/2018	UG/L	ND	0.5	37.8109332	-122.2745281	MONITORING		14.5	20	EDF
T0600100666-ES-09	0	BZME	8/22/2018	UG/L	ND	0.5	37.8111665	-122.2743792	MONITORING		14.5	20	EDF
T0600100666-ES-11	0	BZME	8/20/2018	UG/L	ND	0.5	37.8111729	-122.2740538	MONITORING		14.4	20	EDF
T0600100667-MW-1	68	BZME	3/1/2019	UG/L	=	10	37.7680196	-122.1951227	MONITORING		18	17	EDF
T0600100667-MW-2	0	BZME	3/1/2019	UG/L	ND	0.5	37.7679831	-122.1952902	MONITORING		15	20	EDF
T0600100667-MW-4	5.1	BZME	3/1/2019	UG/L	=	0.5	37.7680616	-122.1950351	MONITORING		15.5	20	EDF
T0600100667-MW-5	5.5	BZME	3/1/2019	UG/L	=	1	37.7678994	-122.1952576	MONITORING		15	20	EDF
T0600100667-MW-6	7.2	BZME	3/1/2019	UG/L	=	0.5	37.7679434	-122.1953024	MONITORING		10	10	EDF
T0600100667-MW-8	0	BZME	3/1/2019	UG/L	ND	0.5	37.7679888	-122.1950462	MONITORING		5	15	EDF
T0600100667-MW-9	0	BZME	3/1/2019	UG/L	ND	0.5	37.7680506	-122.195179	MONITORING		5	15	EDF
T0600100939-IW-3	0	BZME	8/29/2018	UG/L	ND	0.5	37.7328033	-122.2012724	MONITORING		4	5	EDF
T0600100939-IW-4	0	BZME	8/28/2018	UG/L	ND	0.5	37.7325278	-122.2015582	MONITORING		5	5	EDF
T0600100939-IW-5	0	BZME	8/28/2018	UG/L	ND	0.5	37.7325485	-122.2014871	MONITORING		5	5	EDF
T0600100939-IW-6	0	BZME	8/29/2018	UG/L	ND	0.5	37.7325689	-122.2014142	MONITORING		5	5	EDF

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T0600100939-MW-10	0	BZME	8/29/2018	UG/L	ND	0.5	37.7323398	-122.2015743	MONITORING		2	10	EDF
T0600100939-MW-11	0	BZME	8/28/2018	UG/L	ND	0.5	37.7322421	-122.2019319	MONITORING		3	10	EDF
T0600100939-MW-13	0	BZME	8/27/2018	UG/L	ND	0.5	37.732761	-122.2013544	MONITORING		4	5	EDF
T0600100939-MW-14	0	BZME	8/28/2018	UG/L	ND	0.5	37.7326241	-122.201434	MONITORING		4	5	EDF
T0600100939-MW-3	0	BZME	8/29/2018	UG/L	ND	0.5	37.7325348	-122.2014612	MONITORING				EDF
T0600100939-MW-30	0	BZME	8/28/2018	UG/L	ND	0.5	37.7332384	-122.2017806	MONITORING		2	10	EDF
T0600100939-MW-31	0	BZME	8/28/2018	UG/L	ND	0.5	37.7330824	-122.2015645	MONITORING		2	10	EDF
T0600100939-MW-32	0	BZME	8/28/2018	UG/L	ND	0.5	37.7331272	-122.2009931	MONITORING		5	10	EDF
T0600100939-MW-33	0	BZME	8/28/2018	UG/L	ND	0.5	37.7326924	-122.2009461	MONITORING		4	15	EDF
T0600100939-MW-34	0	BZME	9/14/2018	UG/L	ND	0.5	37.7324507	-122.2011282	MONITORING		4	15	EDF
T0600100939-MW-4	0	BZME	8/28/2018	UG/L	ND	0.5	37.7325163	-122.2015892	MONITORING		5	13	EDF
T0600100939-MW-8	0	BZME	8/27/2018	UG/L	ND	0.5	37.7330044	-122.2012886	MONITORING		2	10	EDF
T0600100939-MW-9	0	BZME	8/28/2018	UG/L	ND	0.5	37.7326216	-122.2018663	MONITORING		3	10	EDF
T0600100980-MW-10	0	BZME	1/23/2019	UG/L	ND	0.5	37.7662329	-122.2432006	MONITORING	13.15	6.5	10	EDF
T0600100980-MW-10	0	BZME	8/8/2018	UG/L	ND	0.5	37.7662329	-122.2432006	MONITORING	13.15	6.5	10	EDF
T0600100980-MW-12	0	BZME	1/24/2019	UG/L	ND	0.5	37.7662626	-122.2427358	MONITORING	24.57	14	10	EDF
T0600100980-MW-12	0	BZME	8/8/2018	UG/L	ND	10	37.7662626	-122.2427358	MONITORING	24.57	14	10	EDF
T0600100980-MW-13	0	BZME	8/9/2018	UG/L	ND	0.5	37.7659687	-122.2429106	MONITORING	20.34	15	5	EDF
T0600100980-MW-13	0	BZME	1/24/2019	UG/L	ND	0.5	37.7659687	-122.2429106	MONITORING	20.34	15	5	EDF
T0600100980-MW-14	0	BZME	8/9/2018	UG/L	ND	25	37.7660164	-122.2428992	MONITORING	11.73	5	10	EDF
T0600100980-MW-14	0	BZME	1/24/2019	UG/L	ND	0.5	37.7660164	-122.2428992	MONITORING	11.73	5	10	EDF
T0600100980-MW-15	0	BZME	8/8/2018	UG/L	ND	0.5	37.7661389	-122.2427194	MONITORING	29.64	20	10	EDF
T0600100980-MW-15	0	BZME	1/23/2019	UG/L	ND	0.5	37.7661389	-122.2427194	MONITORING	29.64	20	10	EDF
T0600100980-MW-16	0	BZME	8/8/2018	UG/L	ND	0.5	37.7660495	-122.2427347	MONITORING	29.64	20	10	EDF
T0600100980-MW-16	0	BZME	1/23/2019	UG/L	ND	0.5	37.7660495	-122.2427347	MONITORING	29.64	20	10	EDF
T0600100980-MW-2R	24000	BZME	8/9/2018	UG/L	=	100	37.7661169	-122.2430355	MONITORING	25.13	5	20	EDF
T0600100980-MW-2R	7100	BZME	1/24/2019	UG/L	=	100	37.7661169	-122.2430355	MONITORING	25.13	5	20	EDF
T0600100980-MW-4R	0	BZME	1/23/2019	UG/L	ND	0.5	37.7660462	-122.2431537	MONITORING	25.2	5	20	EDF
T0600100980-MW-4R	0	BZME	8/8/2018	UG/L	ND	0.5	37.7660462	-122.2431537	MONITORING	25.2	5	20	EDF
T0600100980-MW-5R	390	BZME	1/24/2019	UG/L	=	50	37.7661174	-122.243104	MONITORING	23.84	5	20	EDF
T0600100980-MW-5R	860	BZME	8/9/2018	UG/L	=	50	37.7661174	-122.243104	MONITORING	23.84	5	20	EDF
T0600100980-MW-6R	0	BZME	1/23/2019	UG/L	ND	0.5	37.7661816	-122.243058	MONITORING	25.25	5	20	EDF
T0600100980-MW-6R	0	BZME	8/8/2018	UG/L	ND	0.5	37.7661816	-122.243058	MONITORING	25.25	5	20	EDF
T0600100980-MW-7R	3500	BZME	1/24/2019	UG/L	=	100	37.7661213	-122.2429605	MONITORING	25.29	5	20	EDF
T0600100980-MW-7R	4200	BZME	8/9/2018	UG/L	=	100	37.7661213	-122.2429605	MONITORING	25.29	5	20	EDF
T0600100980-MW-8	0.75	BZME	1/24/2019	UG/L	=	0.5	37.7658657	-122.2432462	MONITORING	14.09	5	9	EDF
T0600100980-MW-8	4.2	BZME	8/9/2018	UG/L	=	0.5	37.7658657	-122.2432462	MONITORING	14.09	5	9	EDF

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T0600100980-MW-9	0	BZME	1/23/2019	UG/L	ND	0.5	37.7663239	-122.2430444	MONITORING	14.88	5	15	EDF
T0600100980-MW-9	0	BZME	8/8/2018	UG/L	ND	0.5	37.7663239	-122.2430444	MONITORING	14.88	5	15	EDF
T0600101065-S-10	0	BZME	12/11/2018	UG/L	ND	0.5	37.7742054	-122.2114511	MONITORING		20	15	EDF
T0600101065-S-11	0	BZME	12/11/2018	UG/L	ND	0.5	37.7741079	-122.2115341	MONITORING		20	15	EDF
T0600101065-S-12	0	BZME	12/11/2018	UG/L	ND	0.5	37.7740247	-122.2116421	MONITORING		20	15	EDF
T0600101065-S-13	650	BZME	12/11/2018	UG/L	=	13	37.7742009	-122.2119237	MONITORING		4	15	EDF
T0600101065-S-14	4.2	BZME	12/11/2018	UG/L	=	0.5	37.7742694	-122.2120619	MONITORING		4	15	EDF
T0600101065-S-6	12	BZME	12/11/2018	UG/L	=	2.5	37.7743845	-122.2116358	MONITORING				EDF
T0600101065-S-7	360	BZME	12/11/2018	UG/L	=	50	37.7742309	-122.2117524	MONITORING				EDF
T0600101065-S-8	990	BZME	12/11/2018	UG/L	=	50	37.7743102	-122.2119856	MONITORING				EDF
T0600101065-S-9	14	BZME	12/11/2018	UG/L	=	0.5	37.7741661	-122.2118016	MONITORING				EDF
T0600101089-MW-2	0	BZME	3/19/2019	UG/L	ND	0.5	37.8983019	-122.3020521	MONITORING	11.5	5	6.5	EDF
T0600101089-MW-2	0	BZME	12/11/2018	UG/L	ND	0.5	37.8983019	-122.3020521	MONITORING	11.5	5	6.5	EDF
T0600101089-MW-3	0	BZME	3/19/2019	UG/L	ND	0.5	37.8982637	-122.3023194	MONITORING	12	5	7	EDF
T0600101089-MW-3	0	BZME	12/11/2018	UG/L	ND	0.5	37.8982637	-122.3023194	MONITORING	12	5	7	EDF
T0600101089-STMW-1	18	BZME	12/11/2018	UG/L	=	5	37.8980857	-122.3019234	MONITORING	14	4	10	EDF
T0600101089-STMW-1	8.3	BZME	3/19/2019	UG/L	=	5	37.8980857	-122.3019234	MONITORING	14	4	10	EDF
T0600101089-STMW-2	0.6	BZME	12/11/2018	UG/L	=	0.5	37.8981238	-122.3017442	MONITORING	14	4	10	EDF
T0600101089-STMW-2	0.8	BZME	3/19/2019	UG/L	=	0.5	37.8981238	-122.3017442	MONITORING	14	4	10	EDF
T0600101089-STMW-3	0	BZME	3/19/2019	UG/L	ND	0.5	37.8982476	-122.3017809	MONITORING	15	2.5	12.5	EDF
T0600101089-STMW-3	0	BZME	12/11/2018	UG/L	ND	0.5	37.8982476	-122.3017809	MONITORING	15	2.5	12.5	EDF
T0600101089-STMW-4	0	BZME	3/19/2019	UG/L	ND	0.5	37.8983316	-122.3019713	MONITORING	15	2	13	EDF
T0600101089-STMW-4	0	BZME	12/11/2018	UG/L	ND	0.5	37.8983316	-122.3019713	MONITORING	15	2	13	EDF
T0600101089-STMW-5	0	BZME	12/11/2018	UG/L	ND	0.5	37.8983733	-122.3023025	MONITORING	15	2	13	EDF
T0600101089-STMW-5	0	BZME	3/19/2019	UG/L	ND	0.5	37.8983733	-122.3023025	MONITORING	15	2	13	EDF
T0600101089-STMW-6	0.6	BZME	3/19/2019	UG/L	=	0.5	37.8979768	-122.3021331	MONITORING	15	5	10	EDF
T0600101089-STMW-6	1.8	BZME	12/11/2018	UG/L	=	0.5	37.8979768	-122.3021331	MONITORING	15	5	10	EDF
T0600101089-STMW-7	0	BZME	3/19/2019	UG/L	ND	1.7	37.897823	-122.3022898	MONITORING	15	5	10	EDF
T0600101089-STMW-7	0	BZME	12/11/2018	UG/L	ND	5	37.897823	-122.3022898	MONITORING	15	5	10	EDF
T0600101212-EW1A	0	BZME	8/21/2018	UG/L	ND	0.5	37.78226872	-122.2368731	MONITORING		8	22	EDF
T0600101212-EW1A	0.68	BZME	12/18/2018	UG/L	=	0.5	37.78226872	-122.2368731	MONITORING		8	22	EDF
T0600101212-MW1A	7.4	BZME	8/21/2018	UG/L	=	5	37.78233671	-122.2367626	MONITORING		5	15	EDF
T0600101212-MW1A	1.6	BZME	12/18/2018	UG/L	=	1	37.78233671	-122.2367626	MONITORING		5	15	EDF
T0600101212-MW2	17	BZME	8/21/2018	UG/L	=	5	37.78225768	-122.236958	MONITORING		4	15	EDF
T0600101212-MW2	5.8	BZME	12/18/2018	UG/L	=	5	37.78225768	-122.236958	MONITORING		4	15	EDF
T0600101212-MW3	6	BZME	8/21/2018	UG/L	=	5	37.78232004	-122.2368981	MONITORING		4	15	EDF
T0600101212-MW3	0	BZME	12/18/2018	UG/L	ND	5	37.78232004	-122.2368981	MONITORING		4	15	EDF

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T0600101212-MW4A	0	BZME	12/18/2018	UG/L	ND	0.5	37.78240448	-122.2369698	MONITORING		5	15	EDF
T0600101212-MW4A	0	BZME	8/21/2018	UG/L	ND	0.5	37.78240448	-122.2369698	MONITORING		5	15	EDF
T0600101212-MW5A	0	BZME	8/20/2018	UG/L	ND	0.5	37.78230469	-122.2370757	MONITORING		5	15	EDF
T0600101212-MW5A	0	BZME	12/18/2018	UG/L	ND	0.5	37.78230469	-122.2370757	MONITORING		5	15	EDF
T0600101212-MW6A	0	BZME	12/18/2018	UG/L	ND	2.5	37.78220744	-122.2368668	MONITORING		5	15	EDF
T0600101212-MW6A	0	BZME	8/21/2018	UG/L	ND	0.5	37.78220744	-122.2368668	MONITORING		5	15	EDF
T0600101212-MW7	0	BZME	12/18/2018	UG/L	ND	0.5	37.78277259	-122.237452	MONITORING		5	15	EDF
T0600101212-MW7	0	BZME	8/20/2018	UG/L	ND	0.5	37.78277259	-122.237452	MONITORING		5	15	EDF
T0600101212-MW8	5.3	BZME	8/20/2018	UG/L	=	0.5	37.78225504	-122.2372479	MONITORING		5	15	EDF
T0600101212-MW8	0	BZME	12/18/2018	UG/L	ND	1.2	37.78225504	-122.2372479	MONITORING		5	15	EDF
T0600101354-MW6B	8.8	BZME	8/23/2018	UG/L	=	4	37.811749	-122.2692353	MONITORING				EDF
T0600101354-MW6B	20	BZME	8/17/2018	UG/L	=	5	37.811749	-122.2692353	MONITORING				EDF
T0600101354-MW6E	0	BZME	8/23/2018	UG/L	ND	0.5	37.8114699	-122.2694622	MONITORING				EDF
T0600101354-MW6E	0	BZME	8/17/2018	UG/L	ND	0.5	37.8114699	-122.2694622	MONITORING				EDF
T0600101354-MW6F	0	BZME	8/23/2018	UG/L	ND	0.5	37.8115294	-122.2696738	MONITORING				EDF
T0600101354-MW6F	0	BZME	8/17/2018	UG/L	ND	0.5	37.8115294	-122.2696738	MONITORING				EDF
T0600101354-MW6G	0	BZME	8/23/2018	UG/L	ND	0.5	37.8118543	-122.2694954	MONITORING				EDF
T0600101354-MW6G	0	BZME	8/17/2018	UG/L	ND	0.5	37.8118543	-122.2694954	MONITORING				EDF
T0600101354-MW6H	25	BZME	8/23/2018	UG/L	=	5	37.8115921	-122.2692085	MONITORING				EDF
T0600101354-MW6H	25	BZME	8/20/2018	UG/L	=	5	37.8115921	-122.2692085	MONITORING				EDF
T0600101354-MW6KB	2.2	BZME	8/23/2018	UG/L	=	0.5	37.811753	-122.2693055	MONITORING				EDF
T0600101354-MW6KB	1.1	BZME	8/17/2018	UG/L	=	0.5	37.811753	-122.2693055	MONITORING				EDF
T0600101354-MW6LB	220	BZME	8/17/2018	UG/L	=	5	37.8117004	-122.2692792	MONITORING				EDF
T0600101354-MW6LB	98	BZME	8/23/2018	UG/L	=	5	37.8117004	-122.2692792	MONITORING				EDF
T0600101354-RW1	7.5	BZME	8/20/2018	UG/L	=	1	37.8115676	-122.2692665	MONITORING				EDF
T0600101354-RW1	1.7	BZME	8/23/2018	UG/L	=	0.5	37.8115676	-122.2692665	MONITORING				EDF
T0600101354-RW2	0	BZME	8/23/2018	UG/L	ND	0.5	37.81147	-122.269355	MONITORING				EDF
T0600101354-RW2	0	BZME	8/17/2018	UG/L	ND	0.5	37.81147	-122.269355	MONITORING				EDF
T0600101354-RW3A	1.1	BZME	8/17/2018	UG/L	=	0.5	37.8117034	-122.2694594	MONITORING				EDF
T0600101354-RW3A	0	BZME	8/23/2018	UG/L	ND	2	37.8117034	-122.2694594	MONITORING				EDF
T0600101462-MW-4	0	BZME	9/18/2018	UG/L	ND	0.5	37.62053679	-122.090061	MONITORING	24.6			EDF
T0600101462-MW-5	0	BZME	9/19/2018	UG/L	ND	0.5	37.62029539	-122.0899704	MONITORING	24.1			EDF
T0600101462-MW-6	0	BZME	9/18/2018	UG/L	ND	0.5	37.62041496	-122.090041	MONITORING	18			EDF
T0600101471-MW-1	52	BZME	3/8/2019	UG/L	=	0.5	37.82761092	-122.2571456	MONITORING	50	5	15	EDF
T0600101471-MW-1	0	BZME	9/22/2018	UG/L	ND	0.5	37.82761092	-122.2571456	MONITORING	50	5	15	EDF
T0600101471-MW-10	0	BZME	9/22/2018	UG/L	ND	0.5	37.82700741	-122.256785	MONITORING	21.68	6	16	EDF
T0600101471-MW-10	0	BZME	3/8/2019	UG/L	ND	0.5	37.82700741	-122.256785	MONITORING	21.68	6	16	EDF

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T0600101471-MW-11	0	BZME	3/8/2019	UG/L	ND	0.5	37.82710406	-122.2577798	MONITORING	19.11	5	14	EDF
T0600101471-MW-12	0	BZME	3/8/2019	UG/L	ND	0.5	37.82685099	-122.2572995	MONITORING	17.67	5	12.5	EDF
T0600101471-MW-12	0	BZME	9/22/2018	UG/L	ND	0.5	37.82685099	-122.2572995	MONITORING	17.67	5	12.5	EDF
T0600101471-MW-2	0	BZME	9/22/2018	UG/L	ND	0.5	37.82752306	-122.2573559	MONITORING	19.81	5	15	EDF
T0600101471-MW-2	0	BZME	3/8/2019	UG/L	ND	0.5	37.82752306	-122.2573559	MONITORING	19.81	5	15	EDF
T0600101471-MW-3	0	BZME	3/8/2019	UG/L	ND	0.5	37.82740618	-122.2571344	MONITORING	51.53	5	17.5	EDF
T0600101471-MW-3	0	BZME	9/22/2018	UG/L	ND	0.5	37.82740618	-122.2571344	MONITORING	51.53	5	17.5	EDF
T0600101471-MW-4	0	BZME	3/8/2019	UG/L	ND	0.5	37.82738425	-122.2570086	MONITORING	49.4	5	15	EDF
T0600101471-MW-4	0	BZME	9/22/2018	UG/L	ND	0.5	37.82738425	-122.2570086	MONITORING	49.4	5	15	EDF
T0600101471-MW-5	0	BZME	3/8/2019	UG/L	ND	0.5	37.82734417	-122.2570986	MONITORING	50.14	5	15	EDF
T0600101471-MW-5	1.1	BZME	9/22/2018	UG/L	=	0.5	37.82734417	-122.2570986	MONITORING	50.14	5	15	EDF
T0600101471-MW-6	0	BZME	3/8/2019	UG/L	ND	0.5	37.8276736	-122.2573353	MONITORING	51.18	5	15	EDF
T0600101471-MW-6	0	BZME	9/22/2018	UG/L	ND	0.5	37.8276736	-122.2573353	MONITORING	51.18	5	15	EDF
T0600101471-MW-7	0	BZME	9/22/2018	UG/L	ND	0.5	37.8275205	-122.2569387	MONITORING	19.63	5	15	EDF
T0600101471-MW-7	0	BZME	3/8/2019	UG/L	ND	0.5	37.8275205	-122.2569387	MONITORING	19.63	5	15	EDF
T0600101471-MW-9	0	BZME	3/8/2019	UG/L	ND	0.5	37.82707464	-122.2571944	MONITORING	20.35	5	17	EDF
T0600101471-RW-1	0	BZME	3/8/2019	UG/L	ND	0.5	37.82734854	-122.2570096	MONITORING	16.34	5	10	EDF
T0600101471-RW-1	0	BZME	9/22/2018	UG/L	ND	0.5	37.82734854	-122.2570096	MONITORING	16.34	5	10	EDF
T0600101486-MW-1	0	BZME	8/2/2018	UG/L	ND	0.5	37.7989084	-122.269708	MONITORING		13.5	20	EDF
T0600101486-MW-1	0	BZME	2/7/2019	UG/L	ND	0.5	37.7989084	-122.269708	MONITORING		13.5	20	EDF
T0600101486-MW-2	0	BZME	2/7/2019	UG/L	ND	0.5	37.7990429	-122.2697764	MONITORING		15	18	EDF
T0600101486-MW-2	0	BZME	8/2/2018	UG/L	ND	0.5	37.7990429	-122.2697764	MONITORING		15	18	EDF
T0600101486-MW-3	0.8	BZME	8/2/2018	UG/L	=	0.5	37.7988233	-122.269913	MONITORING		15	18	EDF
T0600101486-MW-3	0	BZME	2/7/2019	UG/L	ND	1	37.7988233	-122.269913	MONITORING		15	18	EDF
T0600101486-MW-4	0	BZME	8/2/2018	UG/L	ND	0.5	37.7987867	-122.2698278	MONITORING		15	18	EDF
T0600101486-MW-4	0	BZME	2/7/2019	UG/L	ND	0.5	37.7987867	-122.2698278	MONITORING		15	18	EDF
T0600101486-MW-5	7.2	BZME	8/2/2018	UG/L	=	0.5	37.7988955	-122.2699818	MONITORING		15	17	EDF
T0600101486-MW-5	2	BZME	2/7/2019	UG/L	=	0.5	37.7988955	-122.2699818	MONITORING		15	17	EDF
T0600101486-MW-6	0	BZME	8/2/2018	UG/L	ND	0.5	37.7987744	-122.2699443	MONITORING		15	17	EDF
T0600101486-MW-6	0	BZME	2/7/2019	UG/L	ND	0.5	37.7987744	-122.2699443	MONITORING		15	17	EDF
T0600101486-MW-7	0	BZME	2/7/2019	UG/L	ND	0.5	37.7986802	-122.2700798	MONITORING		13	20	EDF
T0600101486-MW-7	0	BZME	8/2/2018	UG/L	ND	0.5	37.7986802	-122.2700798	MONITORING		13	20	EDF
T0600101486-MW-8	0	BZME	8/2/2018	UG/L	ND	0.5	37.7986226	-122.269939	MONITORING		11	18	EDF
T0600101486-MW-8	0	BZME	2/7/2019	UG/L	ND	0.5	37.7986226	-122.269939	MONITORING		11	18	EDF
T0600101557-EW1	12000	BZME	10/12/2018	UG/L	=	500	37.87913187	-122.2949668	MONITORING				EDF
T0600101557-EW1	5700	BZME	3/19/2019	UG/L	=	100	37.87913187	-122.2949668	MONITORING				EDF
T0600101557-MW1	0	BZME	10/11/2018	UG/L	ND	2.5	37.87892068	-122.2947985	MONITORING				EDF

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T0600101557-MW1	0	BZME	3/18/2019	UG/L	ND	5	37.87892068	-122.2947985	MONITORING				EDF
T0600101557-MW2	0	BZME	3/19/2019	UG/L	ND	0.5	37.87910275	-122.2951631	MONITORING				EDF
T0600101557-MW2	0	BZME	10/11/2018	UG/L	ND	0.5	37.87910275	-122.2951631	MONITORING				EDF
T0600101557-MW3	1100	BZME	3/18/2019	UG/L	=	50	37.87888851	-122.2949971	MONITORING		11	5	EDF
T0600101557-MW4	2900	BZME	3/19/2019	UG/L	=	120	37.87900416	-122.2950725	MONITORING		11	5	EDF
T0600101557-MW5	950	BZME	3/19/2019	UG/L	=	25	37.87903528	-122.2948687	MONITORING		11	5	EDF
T0600101557-OW1	0	BZME	10/11/2018	UG/L	ND	0.5	37.87904213	-122.294991	MONITORING				EDF
T0600101557-OW1	0	BZME	3/19/2019	UG/L	ND	0.5	37.87904213	-122.294991	MONITORING				EDF
T0600101557-P1	640	BZME	10/11/2018	UG/L	=	120	37.87870709	-122.2950329	MONITORING				EDF
T0600101557-P1	630	BZME	3/18/2019	UG/L	=	50	37.87870709	-122.2950329	MONITORING				EDF
T0600101557-TEW3	0	BZME	3/18/2019	UG/L	ND	0.5	37.87890099	-122.2949464	MONITORING				EDF
T0600101557-TEW3	0	BZME	10/11/2018	UG/L	ND	0.5	37.87890099	-122.2949464	MONITORING				EDF
T0600101557-TEW4	0	BZME	3/18/2019	UG/L	ND	100	37.87888555	-122.2950545	MONITORING				EDF
T0600101557-TEW4	0	BZME	10/11/2018	UG/L	ND	25	37.87888555	-122.2950545	MONITORING				EDF
T0600101691-DP-1	6.4	BZME	8/14/2018	UG/L	=	0.5	37.8102664	-122.2878392	MONITORING	22.2			EDF
T0600101691-MW-2	0	BZME	8/14/2018	UG/L	ND	0.5	37.8101168	-122.2879223	MONITORING	21.9			EDF
T0600101691-MW-4	0	BZME	8/14/2018	UG/L	ND	0.5	37.8103521	-122.2880726	MONITORING	19.4			EDF
T0600101691-MW-5R	0	BZME	8/14/2018	UG/L	ND	0.5	37.810237	-122.2878348	MONITORING	20.2			EDF
T0600101691-MW-6	0	BZME	8/14/2018	UG/L	ND	0.5	37.810248	-122.2877296	MONITORING	19.6			EDF
T0600101691-MW-7	0	BZME	8/14/2018	UG/L	ND	0.5	37.8103527	-122.2877752	MONITORING	19.5			EDF
T0600101710-MW-1	130	BZME	3/4/2019	UG/L	=	2	37.6867947	-122.1141531	MONITORING				EDF
T0600101710-MW-1	1200	BZME	9/19/2018	UG/L	=	20	37.6867947	-122.1141531	MONITORING				EDF
T0600101710-MW-1	1400	BZME	12/10/2018	UG/L	=	50	37.6867947	-122.1141531	MONITORING				EDF
T0600101710-MW-10	0	BZME	9/11/2018	UG/L	ND	0.5	37.6867531	-122.1144942	MONITORING				EDF
T0600101710-MW-10	0	BZME	12/10/2018	UG/L	ND	0.5	37.6867531	-122.1144942	MONITORING				EDF
T0600101710-MW-10	0	BZME	3/4/2019	UG/L	ND	0.5	37.6867531	-122.1144942	MONITORING				EDF
T0600101710-MW-2	0	BZME	9/19/2018	UG/L	ND	20	37.6868696	-122.1141333	MONITORING				EDF
T0600101710-MW-3	0	BZME	3/4/2019	UG/L	ND	0.5	37.6869353	-122.1141461	MONITORING				EDF
T0600101710-MW-3	0	BZME	9/19/2018	UG/L	ND	0.5	37.6869353	-122.1141461	MONITORING				EDF
T0600101710-MW-3	0	BZME	12/10/2018	UG/L	ND	0.5	37.6869353	-122.1141461	MONITORING				EDF
T0600101710-MW-4	0	BZME	12/10/2018	UG/L	ND	0.5	37.6868791	-122.1139556	MONITORING				EDF
T0600101710-MW-4	0	BZME	3/4/2019	UG/L	ND	0.5	37.6868791	-122.1139556	MONITORING				EDF
T0600101710-MW-4	0	BZME	9/19/2018	UG/L	ND	0.5	37.6868791	-122.1139556	MONITORING				EDF
T0600101710-MW-5	0	BZME	9/19/2018	UG/L	ND	0.5	37.6870315	-122.1140452	MONITORING				EDF
T0600101710-MW-5	0	BZME	3/4/2019	UG/L	ND	0.5	37.6870315	-122.1140452	MONITORING				EDF
T0600101710-MW-5	0	BZME	12/10/2018	UG/L	ND	0.5	37.6870315	-122.1140452	MONITORING				EDF
T0600101710-MW-6	0	BZME	9/11/2018	UG/L	ND	0.5	37.6869659	-122.1143654	MONITORING				EDF

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T0600101710-MW-6	0	BZME	3/4/2019	UG/L	ND	0.5	37.6869659	-122.1143654	MONITORING				EDF
T0600101710-MW-6	0	BZME	12/10/2018	UG/L	ND	0.5	37.6869659	-122.1143654	MONITORING				EDF
T0600101710-MW-7	0	BZME	12/10/2018	UG/L	ND	0.5	37.6868434	-122.1143667	MONITORING				EDF
T0600101710-MW-7	0	BZME	3/4/2019	UG/L	ND	0.5	37.6868434	-122.1143667	MONITORING				EDF
T0600101710-MW-7	0	BZME	9/11/2018	UG/L	ND	0.5	37.6868434	-122.1143667	MONITORING				EDF
T0600101710-MW-8	0	BZME	12/10/2018	UG/L	ND	0.5	37.6866236	-122.1141484	MONITORING				EDF
T0600101710-MW-8	0	BZME	9/11/2018	UG/L	ND	0.5	37.6866236	-122.1141484	MONITORING				EDF
T0600101710-MW-8	0	BZME	3/4/2019	UG/L	ND	0.5	37.6866236	-122.1141484	MONITORING				EDF
T0600101710-MW-9	0	BZME	3/4/2019	UG/L	ND	0.5	37.6866135	-122.1144938	MONITORING				EDF
T0600101710-MW-9	0	BZME	9/11/2018	UG/L	ND	0.5	37.6866135	-122.1144938	MONITORING				EDF
T0600101710-MW-9	0	BZME	12/10/2018	UG/L	ND	0.5	37.6866135	-122.1144938	MONITORING				EDF
T0600101803-EW-2	0	BZME	3/7/2019	UG/L	ND	50	37.76830625	-122.2395411	MONITORING		5	20	EDF
T0600101803-EW-2	0	BZME	3/7/2019	UG/L	ND	50	37.76857195	-122.2396759	MONITORING		5	20	EDF
T0600101803-EW-4	0	BZME	3/7/2019	UG/L	ND	5	37.76830625	-122.2395411	MONITORING		5	20	EDF
T0600101803-EW-4	0	BZME	3/7/2019	UG/L	ND	5	37.76848306	-122.2394718	MONITORING		5	20	EDF
T0600101803-EW-5	1.6	BZME	3/7/2019	UG/L	=	1.2	37.76851792	-122.2395519	MONITORING		5	20	EDF
T0600101803-EW-5	1.6	BZME	3/7/2019	UG/L	=	1.2	37.76848306	-122.2394718	MONITORING		5	20	EDF
T0600101803-MW-1	0	BZME	3/7/2019	UG/L	ND	100	37.76844679	-122.2394221	MONITORING		20	15	EDF
T0600101803-MW-2	4.6	BZME	3/7/2019	UG/L	=	2.5	37.76830808	-122.2396278	MONITORING		20	15	EDF
T0600101803-MW-3	0	BZME	3/7/2019	UG/L	ND	0.5	37.76845466	-122.2400246	MONITORING		20	15	EDF
T0600101803-MW-4	0	BZME	3/7/2019	UG/L	ND	25	37.76856246	-122.2396104	MONITORING		18	10	EDF
T0600101803-OW-2	0	BZME	3/7/2019	UG/L	ND	0.5	37.76851792	-122.2395519	MONITORING		5	15	EDF
T0600101803-OW-2	0	BZME	3/7/2019	UG/L	ND	0.5	37.76857195	-122.2396759	MONITORING		5	15	EDF
T0600101848-MW-2	0	BZME	8/21/2018	UG/L	ND	0.5	37.83323682	-122.2810973	MONITORING	19.85	5	15	EDF
T0600101848-MW-3	0	BZME	8/21/2018	UG/L	ND	0.5	37.83318558	-122.2811679	MONITORING	19.73	5	15	EDF
T0600101855-MW6	0	BZME	1/15/2019	UG/L	ND	0.5	37.845888	-122.2848764	MONITORING				EDF
T0600101855-MW7	0	BZME	1/15/2019	UG/L	ND	0.5	37.8457611	-122.2850966	MONITORING				EDF
T0600101855-MW8	0	BZME	1/15/2019	UG/L	ND	2.5	37.845782	-122.2849776	MONITORING				EDF
T0600101876-MW-10	0	BZME	12/26/2018	UG/L	ND	0.5	37.8178495	-122.2724635	MONITORING		6	15	EDF
T0600101876-MW-4	24	BZME	12/26/2018	UG/L	=	13	37.8173512	-122.272065	MONITORING		5	15	EDF
T0600101876-MW-5	1500	BZME	12/26/2018	UG/L	=	100	37.8172632	-122.2718889	MONITORING		3	10	EDF
T0600101876-MW-6	2.8	BZME	12/26/2018	UG/L	=	0.5	37.8174645	-122.2720202	MONITORING		3	10	EDF
T0600101876-MW-8	0.91	BZME	12/26/2018	UG/L	=	0.5	37.817512	-122.2720252	MONITORING				EDF
T0600101876-V-1	0	BZME	12/26/2018	UG/L	ND	0.5	37.8175195	-122.2719747	MONITORING				EDF
T0600101876-V-2	54	BZME	12/26/2018	UG/L	=	25	37.8174101	-122.2719565	MONITORING				EDF
T0600101925-EW-1	1.1	BZME	5/17/2019	UG/L	=	0.5	37.84422822	-122.2910435	MONITORING	18.71	4	15	EDF
T0600101925-EW-1	1.3	BZME	8/21/2018	UG/L	=	0.5	37.84422822	-122.2910435	MONITORING	18.71	4	15	EDF

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T0600101925-EW-2	12	BZME	8/21/2018	UG/L	=	2	37.84416319	-122.2907727	MONITORING	18.89	4	15	EDF
T0600101925-EW-2	4.9	BZME	5/17/2019	UG/L	=	0.5	37.84416319	-122.2907727	MONITORING	18.89	4	15	EDF
T0600101925-EW-3	0	BZME	8/21/2018	UG/L	ND	0.5	37.84397533	-122.2908994	MONITORING	18.88	4	15	EDF
T0600101925-EW-3	0	BZME	5/17/2019	UG/L	ND	0.5	37.84397533	-122.2908994	MONITORING	18.88	4	15	EDF
T0600101925-EW-4	0	BZME	8/21/2018	UG/L	ND	0.5	37.8439952	-122.2912892	MONITORING	18.46	4	15	EDF
T0600101925-EW-4	0	BZME	5/17/2019	UG/L	ND	0.5	37.8439952	-122.2912892	MONITORING	18.46	4	15	EDF
T0600102079-MW-1	1800	BZME	3/7/2019	UG/L	=	50	37.76589218	-122.1775768	MONITORING				EDF
T0600102079-MW-1	5400	BZME	8/21/2018	UG/L	=	200	37.76589218	-122.1775768	MONITORING				EDF
T0600102079-MW-1	5400	BZME	12/6/2018	UG/L	=	10	37.76589218	-122.1775768	MONITORING				EDF
T0600102079-MW-11	0	BZME	12/6/2018	UG/L	ND	1	37.7660864	-122.1782518	MONITORING				EDF
T0600102079-MW-11	0	BZME	3/7/2019	UG/L	ND	1	37.7660864	-122.1782518	MONITORING				EDF
T0600102079-MW-12	11	BZME	3/7/2019	UG/L	=	5	37.7656087	-122.1776204	MONITORING				EDF
T0600102079-MW-12	21	BZME	12/6/2018	UG/L	=	1	37.7656087	-122.1776204	MONITORING				EDF
T0600102079-MW-12	18	BZME	8/21/2018	UG/L	=	5	37.7656087	-122.1776204	MONITORING				EDF
T0600102079-MW-2	2	BZME	12/6/2018	UG/L	=	1	37.76567098	-122.1776975	MONITORING				EDF
T0600102079-MW-3	9	BZME	8/21/2018	UG/L	=	5	37.76582064	-122.1777966	MONITORING				EDF
T0600102079-MW-3	45	BZME	3/7/2019	UG/L	=	20	37.76582064	-122.1777966	MONITORING				EDF
T0600102079-MW-3	9	BZME	12/6/2018	UG/L	=	1	37.76582064	-122.1777966	MONITORING				EDF
T0600102079-MW-4	0	BZME	8/21/2018	UG/L	ND	1	37.76601045	-122.1776369	MONITORING				EDF
T0600102079-MW-4	0.3	BZME	12/6/2018	UG/L	=	1	37.76601045	-122.1776369	MONITORING				EDF
T0600102079-MW-4	0	BZME	3/7/2019	UG/L	ND	1	37.76601045	-122.1776369	MONITORING				EDF
T0600102079-MW-5	0.3	BZME	12/6/2018	UG/L	=	1	37.76596655	-122.1777309	MONITORING				EDF
T0600102079-MW-5	0	BZME	8/21/2018	UG/L	ND	1	37.76596655	-122.1777309	MONITORING				EDF
T0600102079-MW-5	0	BZME	3/7/2019	UG/L	ND	1	37.76596655	-122.1777309	MONITORING				EDF
T0600102079-MW-6	3	BZME	8/21/2018	UG/L	ND	5	37.76591928	-122.1778258	MONITORING				EDF
T0600102079-MW-6	5	BZME	12/6/2018	UG/L	=	1	37.76591928	-122.1778258	MONITORING				EDF
T0600102079-MW-6	0	BZME	3/7/2019	UG/L	ND	1	37.76591928	-122.1778258	MONITORING				EDF
T0600102079-MW-7	12	BZME	12/6/2018	UG/L	=	1	37.76584432	-122.1775026	MONITORING				EDF
T0600102099-AMW-1	0	BZME	11/30/2018	UG/L	ND	1.2	37.848599	-122.293809	MONITORING		9	15	EDF
T0600102099-AMW-2	0	BZME	11/30/2018	UG/L	ND	5	37.848553	-122.293436	MONITORING		9	15	EDF
T0600102099-AMW-3	0	BZME	11/30/2018	UG/L	ND	0.5	37.848784	-122.292876	MONITORING		8	15	EDF
T0600102099-MW-3	15000	BZME	11/30/2018	UG/L	=	500	37.848702	-122.292651	MONITORING		9	20	EDF
T0600102099-TMW-07	0	BZME	11/30/2018	UG/L	ND	2.5	37.848406	-122.292408	MONITORING		22	3.5	EDF
T0600102099-TMW-07	0	BZME	8/17/2018	UG/L	ND	1.7	37.848406	-122.292408	MONITORING		22	3.5	EDF
T0600102099-TMW-08	0	BZME	11/30/2018	UG/L	ND	120	37.84847	-122.292779	MONITORING		19.5	2.5	EDF
T0600102099-TMW-08	570	BZME	8/17/2018	UG/L	=	36	37.84847	-122.292779	MONITORING		19.5	2.5	EDF
T0600102099-TMW-09	36000	BZME	8/17/2018	UG/L	=	250	37.848485	-122.292761	MONITORING		6	6	EDF

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T0600102099-TMW-09	31000	BZME	11/30/2018	UG/L	=	500	37.848485	-122.292761	MONITORING		6	6	EDF
T0600102154-MW-1	19	BZME	9/13/2018	UG/L	=	10	37.688318	-122.1047831	MONITORING				EDF
T0600102154-MW-2	1.8	BZME	9/13/2018	UG/L	=	0.5	37.6883669	-122.1050325	MONITORING				EDF
T0600102154-MW-3	1.7	BZME	9/13/2018	UG/L	=	2.5	37.6882846	-122.1050907	MONITORING				EDF
T0600102154-MW-6	0	BZME	9/13/2018	UG/L	ND	0.5	37.6883724	-122.1058182	MONITORING				EDF
T0600102154-MW-7	0	BZME	9/13/2018	UG/L	ND	0.5	37.6881964	-122.1058685	MONITORING				EDF
T0600102230-MW-2	0	BZME	2/13/2019	UG/L	ND	1	37.8064274	-122.2941934	MONITORING	14.11			EDF
T0600102230-MW-2	0	BZME	8/14/2018	UG/L	ND	1	37.8064274	-122.2941934	MONITORING	14.11			EDF
T0600102230-MW-3	0.6	BZME	2/13/2019	UG/L	ND	1	37.8064264	-122.2943482	MONITORING	13.9			EDF
T0600102230-MW-3	2.8	BZME	8/14/2018	UG/L	=	1	37.8064264	-122.2943482	MONITORING	13.9			EDF
T0600102230-MW-4	0	BZME	8/14/2018	UG/L	ND	1	37.8063643	-122.294315	MONITORING	13.32			EDF
T0600102230-MW-4	0	BZME	2/13/2019	UG/L	ND	1	37.8063643	-122.294315	MONITORING	13.32			EDF
T0600102230-MW-5	0	BZME	2/13/2019	UG/L	ND	1	37.8066241	-122.2945192	MONITORING	19.35			EDF
T0600102230-MW-6	0	BZME	8/14/2018	UG/L	ND	1	37.8064437	-122.2945903	MONITORING	14			EDF
T0600102230-MW-6	0	BZME	2/13/2019	UG/L	ND	1	37.8064437	-122.2945903	MONITORING	14			EDF
T0600102230-MW-7	0	BZME	8/14/2018	UG/L	ND	1	37.8065942	-122.2940226	MONITORING	14.02			EDF
T0600102230-MW-7	0	BZME	2/13/2019	UG/L	ND	1	37.8065942	-122.2940226	MONITORING	14.02			EDF
T0600102230-MW-8	0	BZME	8/14/2018	UG/L	ND	1	37.8062964	-122.2946995	MONITORING	19.79			EDF
T0600102230-MW-8	0	BZME	2/13/2019	UG/L	ND	1	37.8062964	-122.2946995	MONITORING	19.79			EDF
T0600102246-MW-1	0	BZME	11/15/2018	UG/L	ND	0.5	37.8096784	-122.2922863	MONITORING	18.28	8	10	EDF
T0600102246-MW-2	0	BZME	11/15/2018	UG/L	ND	0.5	37.8098872	-122.2924233	MONITORING	18.24	8	10	EDF
T0600102246-MW-3	0	BZME	11/15/2018	UG/L	ND	0.5	37.8097929	-122.2925101	MONITORING	18.28	8	10	EDF
T0600102256-EX-1	0	BZME	8/22/2018	UG/L	ND	0.5	37.6769888	-122.1428659	MONITORING				EDF
T0600102256-EX-2	0	BZME	1/8/2019	UG/L	ND	0.5	37.6769411	-122.142666	MONITORING				EDF
T0600102256-EX-3	0	BZME	1/8/2019	UG/L	ND	0.5	37.6768243	-122.1428945	MONITORING				EDF
T0600102256-EX-4	0	BZME	1/8/2019	UG/L	ND	0.5	37.677039	-122.1427316	MONITORING				EDF
T0600102256-EX-5	0	BZME	1/8/2019	UG/L	ND	0.5	37.6769531	-122.1427891	MONITORING				EDF
T0600102256-EX-6	0	BZME	1/8/2019	UG/L	ND	0.5	37.6769257	-122.1429185	MONITORING				EDF
T0600102256-EX-6	0	BZME	8/22/2018	UG/L	ND	0.5	37.6769257	-122.1429185	MONITORING				EDF
T0600102256-EX-7	0	BZME	1/8/2019	UG/L	ND	0.5	37.6768275	-122.1427607	MONITORING				EDF
T0600102256-MW-1	0	BZME	1/8/2019	UG/L	ND	0.5	37.676902	-122.1427262	MONITORING				EDF
T0600102256-MW-2	0	BZME	1/8/2019	UG/L	ND	0.5	37.6768106	-122.1427932	MONITORING				EDF
T0600102256-MW-3	0	BZME	8/22/2018	UG/L	ND	0.5	37.6769427	-122.142943	MONITORING				EDF
T0600102256-MW-3	0	BZME	1/8/2019	UG/L	ND	0.5	37.6769427	-122.142943	MONITORING				EDF
T0600102256-MW-4	0	BZME	8/22/2018	UG/L	ND	0.5	37.6770233	-122.1428754	MONITORING				EDF
T0600102256-MW-5A	0	BZME	1/8/2019	UG/L	ND	1	37.6767822	-122.1429748	MONITORING				EDF
T0600102256-MW-5B	0	BZME	1/8/2019	UG/L	ND	0.5	37.6767875	-122.1429744	MONITORING				EDF

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T0600102256-MW-6A	0	BZME	1/8/2019	UG/L	ND	0.5	37.6768537	-122.1430796	MONITORING				EDF
T0600102256-MW-6B	0	BZME	1/8/2019	UG/L	ND	0.5	37.6768608	-122.1430798	MONITORING				EDF
T0600102256-MW-7A	0	BZME	1/8/2019	UG/L	ND	0.5	37.6768469	-122.1432815	MONITORING				EDF
T0600102274-MW-1	0	BZME	5/15/2019	UG/L	ND	0.5	37.61826	-122.06388	MONITORING	30.14	11.5	20	EDF
T0600102274-MW-1	0	BZME	11/15/2018	UG/L	ND	0.5	37.61826	-122.06388	MONITORING	30.14	11.5	20	EDF
T0600102274-MW-10	0	BZME	5/15/2019	UG/L	ND	0.5	37.61839	-122.06406	MONITORING	19.08	20		EDF
T0600102274-MW-10	0	BZME	8/21/2018	UG/L	ND	0.5	37.61839	-122.06406	MONITORING	19.08	20		EDF
T0600102274-MW-10	0	BZME	11/15/2018	UG/L	ND	0.5	37.61839	-122.06406	MONITORING	19.08	20		EDF
T0600102274-MW-2	0	BZME	11/15/2018	UG/L	ND	0.5	37.61855	-122.06392	MONITORING	22.32	15.5	15	EDF
T0600102274-MW-2	0	BZME	5/15/2019	UG/L	ND	0.5	37.61855	-122.06392	MONITORING	22.32	15.5	15	EDF
T0600102274-MW-3	0	BZME	5/15/2019	UG/L	ND	0.5	37.61888	-122.06396	MONITORING	23.78	16.5	15	EDF
T0600102274-MW-3	0	BZME	11/15/2018	UG/L	ND	0.5	37.61888	-122.06396	MONITORING	23.78	16.5	15	EDF
T0600102274-MW-4	0	BZME	5/15/2019	UG/L	ND	0.5	37.61899	-122.06416	MONITORING	23.45	10	15	EDF
T0600102274-MW-4	0	BZME	11/15/2018	UG/L	ND	0.5	37.61899	-122.06416	MONITORING	23.45	10	15	EDF
T0600102274-MW-5	0	BZME	5/15/2019	UG/L	ND	0.5	37.6188	-122.06438	MONITORING	28.15	11.5	20	EDF
T0600102274-MW-5	0	BZME	11/15/2018	UG/L	ND	0.5	37.6188	-122.06438	MONITORING	28.15	11.5	20	EDF
T0600102274-MW-6	0	BZME	5/15/2019	UG/L	ND	0.5	37.61847	-122.06429	MONITORING	28.73	11.5	20	EDF
T0600102274-MW-6	0	BZME	11/15/2018	UG/L	ND	0.5	37.61847	-122.06429	MONITORING	28.73	11.5	20	EDF
T0600102274-MW-7	0	BZME	11/15/2018	UG/L	ND	0.5	37.61811	-122.06427	MONITORING	23.82	11.5	15	EDF
T0600102274-MW-7	0	BZME	5/15/2019	UG/L	ND	0.5	37.61811	-122.06427	MONITORING	23.82	11.5	15	EDF
T0600102274-MW-8	0	BZME	5/15/2019	UG/L	ND	0.5	37.61894	-122.0641	MONITORING	19.97	20		EDF
T0600102274-MW-8	0.37	BZME	8/21/2018	UG/L	=	0.5	37.61894	-122.0641	MONITORING	19.97	20		EDF
T0600102274-MW-8	0.35	BZME	11/15/2018	UG/L	=	0.5	37.61894	-122.0641	MONITORING	19.97	20		EDF
T0600102274-MW-9	0	BZME	5/15/2019	UG/L	ND	0.5	37.61869	-122.06415	MONITORING	19.4	20		EDF
T0600102274-MW-9	0	BZME	8/21/2018	UG/L	ND	0.5	37.61869	-122.06415	MONITORING	19.4	20		EDF
T0600102274-MW-9	0	BZME	11/15/2018	UG/L	ND	0.5	37.61869	-122.06415	MONITORING	19.4	20		EDF
T0600102279-MW-10A	190	BZME	1/10/2019	UG/L	=	6	37.787777	-122.1948474	MONITORING	14.51			EDF
T0600102279-MW-10B	57	BZME	1/10/2019	UG/L	=	3	37.7877881	-122.1948392	MONITORING	19.25			EDF
T0600102279-MW-10S	0	BZME	1/10/2019	UG/L	ND	0.3	37.7878032	-122.1948124	MONITORING	10.35			EDF
T0600102279-MW-11A	2800	BZME	1/10/2019	UG/L	=	30	37.7875179	-122.1947515	MONITORING	15			EDF
T0600102279-MW-11B	930	BZME	1/10/2019	UG/L	=	60	37.7875008	-122.1947635	MONITORING	20.19			EDF
T0600102279-MW-11S	0	BZME	1/10/2019	UG/L	ND	0.3	37.7875186	-122.1947398	MONITORING	10.16			EDF
T0600102279-MW-12	320	BZME	1/10/2019	UG/L	=	50	37.787791	-122.1948149	MONITORING	22.76			EDF
T0600102279-MW-1B	0	BZME	1/10/2019	UG/L	ND	0.3	37.7877602	-122.194861	MONITORING	24.89			EDF
T0600102279-MW-2B	0	BZME	1/10/2019	UG/L	ND	0.3	37.7875576	-122.1948223	MONITORING	24.87			EDF
T0600102279-MW-3B	47	BZME	1/10/2019	UG/L	=	3	37.7875574	-122.1946655	MONITORING	24.92			EDF
T0600102279-MW-4B	0	BZME	1/10/2019	UG/L	ND	0.3	37.7877067	-122.1945995	MONITORING	24.8			EDF

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T0600102279-MW-5	0	BZME	1/10/2019	UG/L	ND	0.3	37.7877993	-122.1951072	MONITORING	25.3			EDF
T0600102279-MW-7	0	BZME	1/10/2019	UG/L	ND	0.3	37.7874591	-122.1949929	MONITORING	23.94			EDF
T0600102279-MW-9A	0	BZME	1/10/2019	UG/L	ND	15	37.7877426	-122.1949142	MONITORING	15.11			EDF
T0600102279-MW-9B	0	BZME	1/10/2019	UG/L	ND	0.3	37.7877351	-122.1949255	MONITORING	20.15			EDF
T0600102279-PZ-2	910	BZME	1/10/2019	UG/L	=	50	37.7877729	-122.1948397	MONITORING	18.7			EDF
T0600102279-PZ-3	4.2	BZME	1/10/2019	UG/L	=	0.5	37.7877684	-122.1948786	MONITORING	17.8			EDF
T0600173887-MW-5	0.6	BZME	12/13/2018	UG/L	=	1	37.82827	-122.2744264	MONITORING	24.98			EDF
T0600173887-MW-7	0.7	BZME	12/13/2018	UG/L	=	1	37.8278966	-122.2743868	MONITORING	24.95			EDF
T0600173887-MW-8	0	BZME	12/13/2018	UG/L	ND	1	37.8279607	-122.2749512	MONITORING	24.95			EDF
T0600174667-EW-1	2.9	BZME	9/27/2018	UG/L	=	0.5	37.7954681	-122.2557688	MONITORING				EDF
T0600174667-EW-2	11	BZME	9/27/2018	UG/L	=	0.5	37.7955181	-122.2556138	MONITORING				EDF
T0600174667-MW-1	12	BZME	9/27/2018	UG/L	=	10	37.7954787	-122.2558721	MONITORING				EDF
T0600174667-MW-2	2.5	BZME	9/27/2018	UG/L	=	0.5	37.79547	-122.2555203	MONITORING				EDF
T0600174667-MW-3	23	BZME	9/27/2018	UG/L	=	0.5	37.7954191	-122.2557866	MONITORING				EDF
T0600174667-MW-4	11	BZME	9/27/2018	UG/L	=	0.5	37.795549	-122.2555556	MONITORING				EDF
T0600174667-MW-6	16	BZME	9/27/2018	UG/L	=	0.5	37.7954532	-122.255829	MONITORING				EDF
T0600187562-MW-1	0	BZME	11/7/2018	UG/L	ND	10	37.7227846	-122.1568435	MONITORING		19	15	EDF
T0600187562-MW-1	2.7	BZME	5/7/2019	UG/L	=	2	37.7227846	-122.1568435	MONITORING		19	15	EDF
T0600187562-MW-12	0	BZME	5/7/2019	UG/L	ND	1	37.7223155	-122.1570507	MONITORING				EDF
T0600187562-MW-12	0	BZME	11/7/2018	UG/L	ND	1.5	37.7223155	-122.1570507	MONITORING				EDF
T0600187562-MW-13	0	BZME	11/7/2018	UG/L	ND	4	37.7221021	-122.1571449	MONITORING				EDF
T0600187562-MW-13	0	BZME	5/7/2019	UG/L	ND	4	37.7221021	-122.1571449	MONITORING				EDF
T0600187562-MW-14	1.1	BZME	5/7/2019	UG/L	=	1	37.7223981	-122.157435	MONITORING				EDF
T0600187562-MW-14	0	BZME	11/7/2018	UG/L	ND	4	37.7223981	-122.157435	MONITORING				EDF
T0600187562-MW-2	0	BZME	11/7/2018	UG/L	ND	10	37.7226744	-122.1567929	MONITORING		19	15	EDF
T0600187562-MW-2	3.1	BZME	5/7/2019	UG/L	=	1.5	37.7226744	-122.1567929	MONITORING		19	15	EDF
T0600187562-MW-3	53	BZME	5/7/2019	UG/L	=	5	37.7225395	-122.156751	MONITORING		19	15	EDF
T0600187562-MW-3	42	BZME	11/7/2018	UG/L	=	10	37.7225395	-122.156751	MONITORING		19	15	EDF
T0600187562-MW-4	0	BZME	5/7/2019	UG/L	ND	2.5	37.7223659	-122.1565512	MONITORING		19	15	EDF
T0600187562-MW-5	0	BZME	5/7/2019	UG/L	ND	2.5	37.7224013	-122.1564622	MONITORING		19	15	EDF
T0600187562-MW-5	0	BZME	11/7/2018	UG/L	ND	10	37.7224013	-122.1564622	MONITORING		19	15	EDF
T0600187562-MW-6	0	BZME	11/7/2018	UG/L	ND	2	37.7226639	-122.156435	MONITORING		19	15	EDF
T0600187562-MW-6	1.9	BZME	5/7/2019	UG/L	=	1	37.7226639	-122.156435	MONITORING		19	15	EDF
T0600187562-MW-7	3.3	BZME	5/7/2019	UG/L	=	2.5	37.7228168	-122.1563176	MONITORING		19	15	EDF
T0600187562-MW-7	0	BZME	11/7/2018	UG/L	ND	5	37.7228168	-122.1563176	MONITORING		19	15	EDF
T0600187562-MW-8	13	BZME	11/7/2018	UG/L	=	5	37.7225655	-122.1566223	MONITORING		19	15	EDF
T0600187562-MW-8	5.7	BZME	5/7/2019	UG/L	=	2	37.7225655	-122.1566223	MONITORING		19	15	EDF

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T0600187562-MW-9	0	BZME	5/7/2019	UG/L	ND	4	37.7228771	-122.1568893	MONITORING				EDF
T0600187562-MW-9	0	BZME	11/7/2018	UG/L	ND	4	37.7228771	-122.1568893	MONITORING				EDF
T0600191487-MW-1	0	BZME	8/9/2018	UG/L	ND	0.5	37.7793902	-122.2408963	MONITORING	15.23	15	10	EDF
T0600191487-MW-2	0	BZME	8/9/2018	UG/L	ND	0.5	37.7792014	-122.2405831	MONITORING	19.45	19	10	EDF
T0600191487-MW-3	0	BZME	8/9/2018	UG/L	ND	0.5	37.7792255	-122.2413002	MONITORING	19.36	19	10	EDF
T0600191487-MW-4	0.81	BZME	8/9/2018	UG/L	=	0.5	37.779271	-122.2409157	MONITORING	20			EDF
T0600191487-RW-1	40	BZME	8/9/2018	UG/L	=	0.5	37.7793603	-122.2407208	MONITORING	13.13			EDF
T0600191487-RW-2	16	BZME	8/9/2018	UG/L	=	0.5	37.7793601	-122.2407797	MONITORING	13.01			EDF
T0600194038-EW-1	0	BZME	12/19/2018	UG/L	ND	1	37.85622427	-122.260501	MONITORING	24.65			EDF
T0600194038-EW-2	0	BZME	12/19/2018	UG/L	ND	1	37.85634555	-122.260526	MONITORING	23.92			EDF
T0600194038-EW-3	0	BZME	12/19/2018	UG/L	ND	1	37.85646948	-122.2605598	MONITORING	24.92			EDF
T0600194038-MW-10	0	BZME	12/19/2018	UG/L	ND	1	37.85629706	-122.2598466	MONITORING	19.4			EDF
T0600194038-MW-4	0	BZME	12/19/2018	UG/L	ND	1	37.85625235	-122.2601986	MONITORING	15.27			EDF
T0600194038-MW-5	0	BZME	12/19/2018	UG/L	ND	1	37.85644941	-122.2605194	MONITORING	10.53			EDF
T0600194038-MW-6	0	BZME	12/19/2018	UG/L	ND	1	37.8559393	-122.2602924	MONITORING	18.78			EDF
T0600194038-MW-7	2	BZME	12/19/2018	UG/L	=	1	37.85623806	-122.2604732	MONITORING	18.58			EDF
T0600194038-MW-8	0	BZME	12/19/2018	UG/L	ND	1	37.85654894	-122.2602659	MONITORING	18.5			EDF
T0600194038-MW-9	0	BZME	12/19/2018	UG/L	ND	1	37.85663274	-122.2601743	MONITORING	19.5			EDF
T0601300018-BC-1	3.2	BZME	9/25/2018	UG/L	=	0.5	37.9469494	-122.3304081	MONITORING		29	15	EDF
T0601300018-BC-1	1.3	BZME	3/26/2019	UG/L	=	0.5	37.9469494	-122.3304081	MONITORING		29	15	EDF
T0601300018-BC-2	180	BZME	9/25/2018	UG/L	=	50	37.9470222	-122.3301524	MONITORING		30	16	EDF
T0601300018-BC-2	190	BZME	3/26/2019	UG/L	=	50	37.9470222	-122.3301524	MONITORING		30	16	EDF
T0601300018-BC-3	2.2	BZME	9/25/2018	UG/L	=	0.5	37.9468254	-122.3303078	MONITORING		30	16	EDF
T0601300018-BC-3	1.8	BZME	3/26/2019	UG/L	=	0.5	37.9468254	-122.3303078	MONITORING		30	16	EDF
T0601300018-BC-4	0	BZME	9/25/2018	UG/L	ND	0.5	37.9468804	-122.3301933	MONITORING		60	15	EDF
T0601300018-BC-4	4.8	BZME	3/25/2019	UG/L	=	0.5	37.9468804	-122.3301933	MONITORING		60	15	EDF
T0601300018-MW-1	0	BZME	9/25/2018	UG/L	ND	0.5	37.94692	-122.3300951	MONITORING		31	15	EDF
T0601300018-MW-1	2.8	BZME	3/25/2019	UG/L	=	0.5	37.94692	-122.3300951	MONITORING		31	15	EDF
T0601300018-MW-2	0	BZME	3/26/2019	UG/L	ND	0.5	37.9471901	-122.3302338	MONITORING		29	20	EDF
T0601300018-MW-2	0	BZME	9/25/2018	UG/L	ND	0.5	37.9471901	-122.3302338	MONITORING		29	20	EDF
T0601300018-MW-3	0	BZME	9/25/2018	UG/L	ND	0.5	37.9471482	-122.3304995	MONITORING		30	20	EDF
T0601300018-MW-3	0	BZME	3/25/2019	UG/L	ND	0.5	37.9471482	-122.3304995	MONITORING		30	20	EDF
T0601300018-MW-4	350	BZME	3/26/2019	UG/L	=	10	37.9470304	-122.3304604	MONITORING		31	15	EDF
T0601300018-MW-4	460	BZME	9/25/2018	UG/L	=	10	37.9470304	-122.3304604	MONITORING		31	15	EDF
T0601300018-MW-5	0	BZME	3/26/2019	UG/L	ND	0.5	37.947122	-122.3301095	MONITORING		20	20	EDF
T0601300018-MW-5	0	BZME	9/25/2018	UG/L	ND	0.5	37.947122	-122.3301095	MONITORING		20	20	EDF
T0601300018-MW-6	0	BZME	3/26/2019	UG/L	ND	0.5	37.9468688	-122.3300084	MONITORING		20	20	EDF

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T0601300018-MW-7	0	BZME	3/26/2019	UG/L	ND	0.5	37.9467447	-122.3301973	MONITORING		20	20	EDF
T0601300018-MW-8	0	BZME	3/26/2019	UG/L	ND	0.5	37.9471712	-122.3309861	MONITORING		20	20	EDF
T0601300018-MW-8	2.6	BZME	9/25/2018	UG/L	=	0.5	37.9471712	-122.3309861	MONITORING		20	20	EDF
T0601300019-BC-1	2.2	BZME	2/25/2019	UG/L	=	0.5	37.9380886	-122.3480436	MONITORING		5	10	EDF
T0601300019-BC-1	5.7	BZME	8/28/2018	UG/L	=	0.5	37.9380886	-122.3480436	MONITORING		5	10	EDF
T0601300019-MW-2	0	BZME	2/25/2019	UG/L	ND	0.5	37.9383401	-122.348031	MONITORING		5	10	EDF
T0601300019-MW-2	0	BZME	8/28/2018	UG/L	ND	0.5	37.9383401	-122.348031	MONITORING		5	10	EDF
T0601300019-MW-3	0	BZME	8/28/2018	UG/L	ND	0.5	37.9383336	-122.347729	MONITORING		5	10	EDF
T0601300019-MW-3	0	BZME	2/26/2019	UG/L	ND	0.5	37.9383336	-122.347729	MONITORING		5	10	EDF
T0601300019-MW-4	0.83	BZME	2/26/2019	UG/L	=	0.5	37.9381052	-122.3477081	MONITORING		5	10	EDF
T0601300019-MW-4	0.67	BZME	8/28/2018	UG/L	=	0.5	37.9381052	-122.3477081	MONITORING		5	10	EDF
T0601300019-MW-5	25	BZME	8/28/2018	UG/L	=	2.5	37.9382254	-122.3480525	MONITORING		5	10	EDF
T0601300019-MW-5	24	BZME	2/26/2019	UG/L	=	13	37.9382254	-122.3480525	MONITORING		5	10	EDF
T0601300019-MW-6	0	BZME	8/28/2018	UG/L	ND	0.5	37.938173	-122.3484841	MONITORING		5	10	EDF
T0601300019-MW-6	0	BZME	2/25/2019	UG/L	ND	0.5	37.938173	-122.3484841	MONITORING		5	10	EDF
T0601300019-MW-7	0	BZME	2/25/2019	UG/L	ND	0.5	37.9379917	-122.3484899	MONITORING		5	10	EDF
T0601300019-MW-7	0.66	BZME	8/28/2018	UG/L	=	0.5	37.9379917	-122.3484899	MONITORING		5	10	EDF
T0601300019-VE-1	5.1	BZME	8/28/2018	UG/L	=	0.5	37.9383056	-122.3480761	MONITORING				EDF
T0601300019-VE-1	6.6	BZME	2/26/2019	UG/L	=	0.5	37.9383056	-122.3480761	MONITORING				EDF
T0601300019-VE-2	0	BZME	2/26/2019	UG/L	ND	0.5	37.9382025	-122.3480978	MONITORING				EDF
T0601300019-VE-2	0	BZME	8/28/2018	UG/L	ND	0.5	37.9382025	-122.3480978	MONITORING				EDF
T0601300023-DW-6	0	BZME	11/28/2018	UG/L	ND	1	37.91412631	-122.36545	MONITORING		3	7	EDF
T0601300023-DW-6	0	BZME	8/29/2018	UG/L	ND	1	37.91412631	-122.36545	MONITORING		3	7	EDF
T0601300023-DW-6	0	BZME	2/6/2019	UG/L	ND	1	37.91412631	-122.36545	MONITORING		3	7	EDF
T0601300023-DW-7	0	BZME	8/29/2018	UG/L	ND	1	37.91406885	-122.365765	MONITORING		3	7	EDF
T0601300023-DW-7	0	BZME	2/6/2019	UG/L	ND	1	37.91406885	-122.365765	MONITORING		3	7	EDF
T0601300023-DW-7	0	BZME	11/28/2018	UG/L	ND	1	37.91406885	-122.365765	MONITORING		3	7	EDF
T0601300023-DW-8	0	BZME	2/6/2019	UG/L	ND	1	37.91410106	-122.3662978	MONITORING		3	7	EDF
T0601300023-DW-8	0	BZME	8/28/2018	UG/L	ND	1	37.91410106	-122.3662978	MONITORING		3	7	EDF
T0601300023-DW-8	0	BZME	11/28/2018	UG/L	ND	1	37.91410106	-122.3662978	MONITORING		3	7	EDF
T0601300023-E-2	0	BZME	8/30/2018	UG/L	ND	1	37.91265903	-122.3652287	MONITORING		6	2	EDF
T0601300023-E-2	0	BZME	11/27/2018	UG/L	ND	1	37.91265903	-122.3652287	MONITORING		6	2	EDF
T0601300023-E-2	0	BZME	2/6/2019	UG/L	ND	1	37.91265903	-122.3652287	MONITORING		6	2	EDF
T0601300023-E-7	0	BZME	11/27/2018	UG/L	ND	1	37.9125866	-122.3652198	MONITORING		6	2	EDF
T0601300023-E-7	0	BZME	8/30/2018	UG/L	ND	1	37.9125866	-122.3652198	MONITORING		6	2	EDF
T0601300023-E-7	0	BZME	2/6/2019	UG/L	ND	1	37.9125866	-122.3652198	MONITORING		6	2	EDF
T0601300023-EW-2	0	BZME	8/30/2018	UG/L	ND	1	37.91337222	-122.3684511	MONITORING		3	6	EDF

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T0601300023-MW-1	0	BZME	8/29/2018	UG/L	ND	1	37.91249309	-122.3674511	MONITORING		5	15	EDF
T0601300023-MW-1	0	BZME	2/12/2019	UG/L	ND	1	37.91249309	-122.3674511	MONITORING		5	15	EDF
T0601300023-MW-10L	0	BZME	8/28/2018	UG/L	ND	1	37.91127998	-122.3659261	MONITORING		4.5	7.5	EDF
T0601300023-MW-10L	0	BZME	2/7/2019	UG/L	ND	1	37.91127998	-122.3659261	MONITORING		4.5	7.5	EDF
T0601300023-MW-11L	0	BZME	8/30/2018	UG/L	ND	1	37.91302812	-122.3678485	MONITORING		4.5	8	EDF
T0601300023-MW-11L	0	BZME	2/7/2019	UG/L	ND	1	37.91302812	-122.3678485	MONITORING		4.5	8	EDF
T0601300023-MW-12L	0	BZME	8/30/2018	UG/L	ND	20	37.91273061	-122.3667516	MONITORING		4.5	5	EDF
T0601300023-MW-12L	0	BZME	11/28/2018	UG/L	ND	1	37.91273061	-122.3667516	MONITORING		4.5	5	EDF
T0601300023-MW-13L	0	BZME	8/28/2018	UG/L	ND	1	37.91247256	-122.3670282	MONITORING		4.5	7.5	EDF
T0601300023-MW-13L	0	BZME	2/7/2019	UG/L	ND	1	37.91247256	-122.3670282	MONITORING		4.5	7.5	EDF
T0601300023-MW-14L	0	BZME	2/7/2019	UG/L	ND	1	37.91201547	-122.36628	MONITORING		4.5	8	EDF
T0601300023-MW-14L	0	BZME	8/28/2018	UG/L	ND	1	37.91201547	-122.36628	MONITORING		4.5	8	EDF
T0601300023-MW-15R	0	BZME	2/12/2019	UG/L	ND	1	37.91144743	-122.3665209	MONITORING		4	4	EDF
T0601300023-MW-15R	0	BZME	8/29/2018	UG/L	ND	1	37.91144743	-122.3665209	MONITORING		4	4	EDF
T0601300023-MW-16L	0	BZME	2/7/2019	UG/L	ND	1	37.91196422	-122.365499	MONITORING		3	10	EDF
T0601300023-MW-16L	0	BZME	8/29/2018	UG/L	ND	1	37.91196422	-122.365499	MONITORING		3	10	EDF
T0601300023-MW-17AL	0	BZME	2/6/2019	UG/L	ND	1	37.91241464	-122.3652232	MONITORING		3	12.5	EDF
T0601300023-MW-17AL	0	BZME	8/29/2018	UG/L	ND	1	37.91241464	-122.3652232	MONITORING		3	12.5	EDF
T0601300023-MW-18L	0	BZME	8/30/2018	UG/L	ND	1	37.9129135	-122.3655204	MONITORING		3	10	EDF
T0601300023-MW-18L	0	BZME	2/6/2019	UG/L	ND	1	37.9129135	-122.3655204	MONITORING		3	10	EDF
T0601300023-MW-19L	0	BZME	8/30/2018	UG/L	ND	1	37.91365855	-122.3656585	MONITORING		3	10	EDF
T0601300023-MW-19L	0	BZME	2/6/2019	UG/L	ND	1	37.91365855	-122.3656585	MONITORING		3	10	EDF
T0601300023-MW-19L	0	BZME	11/28/2018	UG/L	ND	1	37.91365855	-122.3656585	MONITORING		3	10	EDF
T0601300023-MW-1L	0	BZME	2/7/2019	UG/L	ND	1	37.91396137	-122.3688233	MONITORING		4.5	8	EDF
T0601300023-MW-1L	0	BZME	8/29/2018	UG/L	ND	1	37.91396137	-122.3688233	MONITORING		4.5	8	EDF
T0601300023-MW-1U	0	BZME	8/30/2018	UG/L	ND	1	37.91269383	-122.3692086	MONITORING		4.5	7.5	EDF
T0601300023-MW-1U	0	BZME	2/7/2019	UG/L	ND	1	37.91269383	-122.3692086	MONITORING		4.5	7.5	EDF
T0601300023-MW-2	0	BZME	8/29/2018	UG/L	ND	1	37.91245695	-122.3665882	MONITORING		5	15	EDF
T0601300023-MW-2	0	BZME	2/7/2019	UG/L	ND	1	37.91245695	-122.3665882	MONITORING		5	15	EDF
T0601300023-MW-20L	0	BZME	8/30/2018	UG/L	ND	1	37.91390561	-122.3675069	MONITORING		3.5	6	EDF
T0601300023-MW-20L	0	BZME	2/7/2019	UG/L	ND	1	37.91390561	-122.3675069	MONITORING		3.5	6	EDF
T0601300023-MW-21L	0	BZME	8/30/2018	UG/L	ND	1	37.91347861	-122.3664333	MONITORING		3.5	6	EDF
T0601300023-MW-21L	0	BZME	2/12/2019	UG/L	ND	1	37.91347861	-122.3664333	MONITORING		3.5	6	EDF
T0601300023-MW-22L	0	BZME	2/6/2019	UG/L	ND	1	37.9127572	-122.3661939	MONITORING		3	10	EDF
T0601300023-MW-22L	0	BZME	8/30/2018	UG/L	ND	1	37.9127572	-122.3661939	MONITORING		3	10	EDF
T0601300023-MW-23LD	0	BZME	2/7/2019	UG/L	ND	1	37.91218984	-122.3666264	MONITORING		30	5.5	EDF
T0601300023-MW-23LD	0	BZME	8/29/2018	UG/L	ND	1	37.91218984	-122.3666264	MONITORING		30	5.5	EDF

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T0601300023-MW-23LD	0	BZME	11/28/2018	UG/L	ND	1	37.91218984	-122.3666264	MONITORING		30	5.5	EDF
T0601300023-MW-23LS	0	BZME	8/29/2018	UG/L	ND	1	37.91218981	-122.3666272	MONITORING		18	4.5	EDF
T0601300023-MW-23LS	0	BZME	2/7/2019	UG/L	ND	1	37.91218981	-122.3666272	MONITORING		18	4.5	EDF
T0601300023-MW-24D	0	BZME	2/6/2019	UG/L	ND	1	37.9126112	-122.3654804	MONITORING		26	5	EDF
T0601300023-MW-24D	0	BZME	8/30/2018	UG/L	ND	1	37.9126112	-122.3654804	MONITORING		26	5	EDF
T0601300023-MW-24D	0	BZME	11/28/2018	UG/L	ND	1	37.9126112	-122.3654804	MONITORING		26	5	EDF
T0601300023-MW-25D	0	BZME	11/28/2018	UG/L	ND	1	37.91196867	-122.3654887	MONITORING		30	3	EDF
T0601300023-MW-25D	0	BZME	8/29/2018	UG/L	ND	1	37.91196867	-122.3654887	MONITORING		30	3	EDF
T0601300023-MW-25D	0	BZME	2/7/2019	UG/L	ND	1	37.91196867	-122.3654887	MONITORING		30	3	EDF
T0601300023-MW-26L	0	BZME	8/30/2018	UG/L	ND	200	37.91292756	-122.3667119	MONITORING		3	7	EDF
T0601300023-MW-26L	0	BZME	2/12/2019	UG/L	ND	1	37.91292756	-122.3667119	MONITORING		3	7	EDF
T0601300023-MW-26L	0	BZME	11/28/2018	UG/L	ND	1	37.91292756	-122.3667119	MONITORING		3	7	EDF
T0601300023-MW-27L	0	BZME	8/30/2018	UG/L	ND	1	37.91345646	-122.3677006	MONITORING		3	10	EDF
T0601300023-MW-27L	0	BZME	2/7/2019	UG/L	ND	1	37.91345646	-122.3677006	MONITORING		3	10	EDF
T0601300023-MW-27L	0	BZME	11/28/2018	UG/L	ND	1	37.91345646	-122.3677006	MONITORING		3	10	EDF
T0601300023-MW-28L	0	BZME	2/12/2019	UG/L	ND	1	37.91384278	-122.3678882	MONITORING		3	10	EDF
T0601300023-MW-28L	0	BZME	8/30/2018	UG/L	ND	1	37.91384278	-122.3678882	MONITORING		3	10	EDF
T0601300023-MW-28L	0	BZME	11/28/2018	UG/L	ND	1	37.91384278	-122.3678882	MONITORING		3	10	EDF
T0601300023-MW-29L	0	BZME	11/27/2018	UG/L	ND	1	37.91266891	-122.3653699	MONITORING		4	4	EDF
T0601300023-MW-29L	0	BZME	8/29/2018	UG/L	ND	1	37.91266891	-122.3653699	MONITORING		4	4	EDF
T0601300023-MW-2L	0	BZME	8/29/2018	UG/L	ND	1	37.91405824	-122.3671219	MONITORING		4.5	9	EDF
T0601300023-MW-2L	0	BZME	2/7/2019	UG/L	ND	1	37.91405824	-122.3671219	MONITORING		4.5	9	EDF
T0601300023-MW-3	0	BZME	8/30/2018	UG/L	ND	1	37.91169268	-122.3666247	MONITORING		5	15	EDF
T0601300023-MW-3	0	BZME	11/28/2018	UG/L	ND	1	37.91169268	-122.3666247	MONITORING		5	15	EDF
T0601300023-MW-3	0	BZME	2/7/2019	UG/L	ND	1	37.91169268	-122.3666247	MONITORING		5	15	EDF
T0601300023-MW-3L	0	BZME	8/29/2018	UG/L	ND	1	37.91404894	-122.3664546	MONITORING		5	9	EDF
T0601300023-MW-3L	0	BZME	2/7/2019	UG/L	ND	1	37.91404894	-122.3664546	MONITORING		5	9	EDF
T0601300023-MW-4L	0	BZME	2/6/2019	UG/L	ND	1	37.91406222	-122.3659742	MONITORING		4.5	9	EDF
T0601300023-MW-4L	0	BZME	8/29/2018	UG/L	ND	1	37.91406222	-122.3659742	MONITORING		4.5	9	EDF
T0601300023-MW-5L	0	BZME	2/7/2019	UG/L	ND	1	37.91382528	-122.3654588	MONITORING		4.5	7.5	EDF
T0601300023-MW-5L	0	BZME	8/29/2018	UG/L	ND	1	37.91382528	-122.3654588	MONITORING		4.5	7.5	EDF
T0601300023-MW-5L	0	BZME	11/28/2018	UG/L	ND	1	37.91382528	-122.3654588	MONITORING		4.5	7.5	EDF
T0601300023-MW-6L	0	BZME	8/29/2018	UG/L	ND	1	37.91330425	-122.3653527	MONITORING		4.5	7.5	EDF
T0601300023-MW-6L	0	BZME	2/7/2019	UG/L	ND	1	37.91330425	-122.3653527	MONITORING		4.5	7.5	EDF
T0601300023-MW-6U	0	BZME	2/6/2019	UG/L	ND	1	37.91119263	-122.3724128	MONITORING		55	25	EDF
T0601300023-MW-7L	0	BZME	8/30/2018	UG/L	ND	1	37.91261038	-122.3654922	MONITORING		4.5	7.5	EDF
T0601300023-MW-7L	0	BZME	2/6/2019	UG/L	ND	1	37.91261038	-122.3654922	MONITORING		4.5	7.5	EDF

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T0601300023-MW-7U	0	BZME	2/6/2019	UG/L	ND	1	37.91168176	-122.3710708	MONITORING		55	25	EDF
T0601300023-MW-8L	0	BZME	8/28/2018	UG/L	ND	1	37.91172847	-122.365293	MONITORING		4.5	7.5	EDF
T0601300023-MW-8L	0	BZME	2/7/2019	UG/L	ND	1	37.91172847	-122.365293	MONITORING		4.5	7.5	EDF
T0601300023-MW-8U	0	BZME	2/6/2019	UG/L	ND	1	37.91061952	-122.3688848	MONITORING		110	25	EDF
T0601300023-MW-9L	0	BZME	2/7/2019	UG/L	ND	1	37.9112147	-122.3651865	MONITORING		4.5	7.5	EDF
T0601300023-MW-9L	0	BZME	8/28/2018	UG/L	ND	1	37.9112147	-122.3651865	MONITORING		4.5	7.5	EDF
T0601300036-MW-12	19.2	BZME	11/29/2018	UG/L	=	10	37.9355813	-122.3260584	MONITORING		14	20	EDF
T0601300036-MW-14	1.99	BZME	11/29/2018	UG/L	=	1	37.9353162	-122.3257417	MONITORING		15	20	EDF
T0601300036-MW-15	3.1	BZME	11/29/2018	UG/L	=	1	37.9352665	-122.325385	MONITORING		15	20	EDF
T0601300036-MW-17	0	BZME	11/29/2018	UG/L	ND	1	37.9349966	-122.3258487	MONITORING				EDF
T0601300036-MW-4	0	BZME	11/29/2018	UG/L	ND	1	37.9357886	-122.3254881	MONITORING		5	30	EDF
T0601300036-MW-6	219	BZME	11/29/2018	UG/L	=	100	37.9356943	-122.3254221	MONITORING		10	25	EDF
T0601300036-MW-7	1280	BZME	11/29/2018	UG/L	=	50	37.9355284	-122.3254741	MONITORING		7	28	EDF
T0601300499-MW-1A	3.6	BZME	11/26/2018	UG/L	=	0.5	37.9262339	-122.3196109	MONITORING	13.5			EDF
T0601300594-MW-1	14	BZME	8/28/2018	UG/L	=	5	37.9395806	-122.3478661	MONITORING	16.8		10	EDF
T0601300594-MW-2	27	BZME	8/28/2018	UG/L	=	5	37.9397392	-122.3478687	MONITORING	16.5		10	EDF
T0601300594-MW-3	35	BZME	8/28/2018	UG/L	=	5	37.9398536	-122.347699	MONITORING	16.5		10	EDF
T0601300594-MW-4	7	BZME	8/28/2018	UG/L	=	0.5	37.939518	-122.3476659	MONITORING	16.6		10	EDF
T0601300594-MW-5	7.2	BZME	8/29/2018	UG/L	=	0.5	37.9395001	-122.3480165	MONITORING	16.9			EDF
T0601300594-MW-6	0	BZME	8/29/2018	UG/L	ND	0.5	37.9391388	-122.3474307	MONITORING	16.7			EDF
T0601300712-AI-1	0	BZME	2/27/2019	UG/L	ND	1000	37.9253762	-122.3480707	MONITORING		9	10	EDF
T0601300712-MW-12	0	BZME	2/25/2019	UG/L	ND	100	37.9250535	-122.3482496	MONITORING		23	7	EDF
T0601300712-MW-12A	5300	BZME	2/28/2019	UG/L	=	2500	37.9250534	-122.3482749	MONITORING		5	15	EDF
T0601300712-MW-13	5.1	BZME	2/25/2019	UG/L	=	0.5	37.9248228	-122.3482965	MONITORING		26	7	EDF
T0601300712-MW-13A	6600	BZME	2/28/2019	UG/L	=	170	37.9248229	-122.3483194	MONITORING		5	13.5	EDF
T0601300712-MW-14	0	BZME	2/25/2019	UG/L	ND	0.5	37.9243793	-122.3485045	MONITORING		20	10	EDF
T0601300712-MW-15A	190	BZME	2/25/2019	UG/L	=	170	37.9254604	-122.3476701	MONITORING		4	15	EDF
T0601300712-MW-15B	310	BZME	2/25/2019	UG/L	=	170	37.9254609	-122.347669	MONITORING		23	5	EDF
T0601300712-MW-2	52	BZME	2/28/2019	UG/L	=	50	37.9253852	-122.3478039	MONITORING				EDF
T0601300712-MW-3	0	BZME	2/28/2019	UG/L	ND	25	37.9253406	-122.3479761	MONITORING				EDF
T0601300712-MW-4	27	BZME	2/28/2019	UG/L	=	25	37.9255789	-122.3480811	MONITORING				EDF
T0601300712-MW-9	630	BZME	2/25/2019	UG/L	=	25	37.9247068	-122.3483326	MONITORING		20	10	EDF
T0601300712-OBS-1A	0	BZME	2/27/2019	UG/L	ND	1000	37.925352	-122.348098	MONITORING		4	14	EDF
T0601300712-OBS-1B	0	BZME	2/28/2019	UG/L	ND	100	37.925351	-122.3480981	MONITORING		21	9	EDF
T0601300712-OBS-2B	0	BZME	2/28/2019	UG/L	ND	250	37.9253954	-122.3480434	MONITORING		21	9	EDF
T0601300717-MW-1	4.5	BZME	5/23/2019	UG/L	=	0.5	37.944555	-122.347113	MONITORING				EDF
T0601300717-MW-1	0	BZME	11/20/2018	UG/L	ND	1.7	37.944555	-122.347113	MONITORING				EDF

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T0601300717-MW-10	0	BZME	11/20/2018	UG/L	ND	0.5	37.944317	-122.346868	MONITORING				EDF
T0601300717-MW-11	37	BZME	11/20/2018	UG/L	=	0.5	37.944759	-122.347315	MONITORING				EDF
T0601300717-MW-11	3.1	BZME	5/23/2019	UG/L	=	0.5	37.944759	-122.347315	MONITORING				EDF
T0601300717-MW-12	1.8	BZME	11/20/2018	UG/L	=	0.5	37.944756	-122.346983	MONITORING				EDF
T0601300717-MW-12	0	BZME	5/23/2019	UG/L	ND	0.5	37.944756	-122.346983	MONITORING				EDF
T0601300717-MW-2	2.4	BZME	5/23/2019	UG/L	=	0.5	37.944475	-122.34729	MONITORING				EDF
T0601300717-MW-2	13	BZME	11/20/2018	UG/L	=	2.5	37.944475	-122.34729	MONITORING				EDF
T0601300717-MW-3	3.2	BZME	5/24/2019	UG/L	=	0.5	37.944451	-122.346983	MONITORING				EDF
T0601300717-MW-3	18	BZME	11/21/2018	UG/L	=	5	37.944451	-122.346983	MONITORING				EDF
T0601300717-MW-4	1.7	BZME	11/20/2018	UG/L	=	0.5	37.944493	-122.347187	MONITORING				EDF
T0601300717-MW-4	0	BZME	5/23/2019	UG/L	ND	0.5	37.944493	-122.347187	MONITORING				EDF
T0601300717-MW-5	4.3	BZME	5/24/2019	UG/L	=	0.5	37.944549	-122.346961	MONITORING				EDF
T0601300717-MW-5	0	BZME	11/20/2018	UG/L	ND	5	37.944549	-122.346961	MONITORING				EDF
T0601300717-MW-6	15	BZME	11/20/2018	UG/L	=	0.5	37.944668	-122.347098	MONITORING				EDF
T0601300717-MW-6	2.4	BZME	5/23/2019	UG/L	=	0.5	37.944668	-122.347098	MONITORING				EDF
T0601300717-MW-7	5.6	BZME	11/20/2018	UG/L	=	1.7	37.944615	-122.347303	MONITORING				EDF
T0601300717-MW-7	4.9	BZME	5/23/2019	UG/L	=	1	37.944615	-122.347303	MONITORING				EDF
T0601300717-MW-8	18	BZME	11/21/2018	UG/L	=	5	37.944307	-122.347188	MONITORING				EDF
T0601300717-MW-8	4.2	BZME	5/23/2019	UG/L	=	0.5	37.944307	-122.347188	MONITORING				EDF
T0601300717-MW-9	1.7	BZME	5/24/2019	UG/L	=	0.5	37.9444	-122.346757	MONITORING				EDF
T0601300717-MW-9	70	BZME	11/20/2018	UG/L	=	5	37.9444	-122.346757	MONITORING				EDF
T0601307808-MW-1	0	BZME	8/14/2018	UG/L	ND	0.5	37.9257923	-122.3225249	MONITORING				EDF
T0601307808-MW-2	0	BZME	8/14/2018	UG/L	ND	0.5	37.9256353	-122.3223946	MONITORING				EDF
T0601307808-MW-3	0	BZME	8/13/2018	UG/L	ND	0.5	37.9256826	-122.3221548	MONITORING				EDF
T0601307808-MW-4	0	BZME	8/13/2018	UG/L	ND	1.7	37.92538	-122.3223195	MONITORING				EDF
T0601307808-MW-5	0	BZME	8/14/2018	UG/L	ND	10	37.9258423	-122.322459	MONITORING				EDF
T0601307808-MW-6	0	BZME	8/13/2018	UG/L	ND	25	37.9257271	-122.3227198	MONITORING				EDF
T0601307808-MW-7	0	BZME	8/13/2018	UG/L	ND	1	37.9256215	-122.3230036	MONITORING				EDF
T0601307808-MW-8	0	BZME	8/13/2018	UG/L	ND	25	37.9253809	-122.322835	MONITORING				EDF
T0601307808-MW-9	0	BZME	8/13/2018	UG/L	ND	0.5	37.9256226	-122.3232664	MONITORING		5	20	EDF
T0601359733-MW-1	0	BZME	3/6/2019	UG/L	ND	0.5	37.9548788	-122.3471771	MONITORING	17.85	8	10	EDF
T0601359733-MW-1	0	BZME	11/5/2018	UG/L	ND	0.5	37.9548788	-122.3471771	MONITORING	17.85	8	10	EDF
T0601359733-MW-2	439	BZME	11/5/2018	UG/L	=	5	37.9547212	-122.3470269	MONITORING	18.26	8	10	EDF
T0601359733-MW-2	72.6	BZME	3/6/2019	UG/L	=	5	37.9547212	-122.3470269	MONITORING	18.26	8	10	EDF
T0601359733-MW-3	71.3	BZME	11/5/2018	UG/L	=	5	37.9547324	-122.3472005	MONITORING	17.95	8	10	EDF
T0601359733-MW-3	90.5	BZME	11/5/2018	UG/L	=	0.5	37.9547324	-122.3472005	MONITORING	17.95	8	10	EDF
T0601359733-MW-3	40.3	BZME	3/6/2019	UG/L	=	5	37.9547324	-122.3472005	MONITORING	17.95	8	10	EDF

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T06019709731-MW-4	2.2	BZME	12/17/2018	UG/L	=	0.5	37.8498193	-122.2863895	MONITORING	16.77			EDF
T06019709731-MW-5	0	BZME	12/17/2018	UG/L	ND	0.5	37.8499131	-122.2862134	MONITORING	21.47			EDF
T06019709731-MW-6	0	BZME	12/17/2018	UG/L	ND	20	37.8497109	-122.2863456	MONITORING	20.78			EDF
T06019709731-MW-7	1.6	BZME	12/17/2018	UG/L	=	1	37.8498023	-122.2861456	MONITORING	21.1			EDF
T06019709731-MW-8	0	BZME	12/17/2018	UG/L	ND	0.5	37.8495071	-122.2863877	MONITORING	15.29			EDF
T06019709731-MW-9	0	BZME	12/17/2018	UG/L	ND	0.5	37.8495073	-122.2660023	MONITORING	20.72			EDF
T06019744728-MW-1RA	0	BZME	1/15/2019	UG/L	ND	1	37.7718672	-122.2385472	MONITORING	19.9			EDF
T06019744728-MW-1RB	0	BZME	1/15/2019	UG/L	ND	20	37.7718806	-122.2385549	MONITORING	12.69			EDF
T06019744728-MW-2	0	BZME	1/15/2019	UG/L	ND	1	37.7713799	-122.238605	MONITORING	15.57			EDF
T06019744728-MW-3	0	BZME	1/15/2019	UG/L	ND	1	37.7717092	-122.2387636	MONITORING	17.7			EDF
T06019744728-MW-4	0	BZME	1/15/2019	UG/L	ND	1	37.7717347	-122.2384042	MONITORING	20.1			EDF
T06019744728-MW-5	7	BZME	1/15/2019	UG/L	=	1	37.7718488	-122.2387653	MONITORING	17.68			EDF
T06019744728-MW-6	0	BZME	1/15/2019	UG/L	ND	1	37.7719981	-122.2387418	MONITORING	20.05			EDF
T06019775776-MW-1	0	BZME	9/18/2018	UG/L	ND	0.5	37.7441922	-122.2227483	MONITORING	8.44			EDF
T06019775776-MW-1	0	BZME	2/15/2019	UG/L	ND	0.5	37.7441922	-122.2227483	MONITORING	8.44			EDF
T06019775776-MW-10	0	BZME	2/15/2019	UG/L	ND	0.5	37.743851	-122.2226501	MONITORING	10.05	3	7	EDF
T06019775776-MW-10	0	BZME	9/18/2018	UG/L	ND	0.5	37.743851	-122.2226501	MONITORING	10.05	3	7	EDF
T06019775776-MW-11	0	BZME	9/18/2018	UG/L	ND	0.5	37.7435569	-122.2228055	MONITORING	9.68	3	7	EDF
T06019775776-MW-11	0	BZME	2/15/2019	UG/L	ND	0.5	37.7435569	-122.2228055	MONITORING	9.68	3	7	EDF
T06019775776-MW-12	0	BZME	9/18/2018	UG/L	ND	0.5	37.7436187	-122.2223794	MONITORING	9.94	3	7	EDF
T06019775776-MW-12	0	BZME	2/15/2019	UG/L	ND	0.5	37.7436187	-122.2223794	MONITORING	9.94	3	7	EDF
T06019775776-MW-13	0	BZME	9/18/2018	UG/L	ND	0.5	37.7433907	-122.2226614	MONITORING	9.51	3	7	EDF
T06019775776-MW-13	0	BZME	2/15/2019	UG/L	ND	0.5	37.7433907	-122.2226614	MONITORING	9.51	3	7	EDF
T06019775776-MW-14	0	BZME	2/15/2019	UG/L	ND	0.5	37.7434157	-122.2224257	MONITORING	10.03	3	7	EDF
T06019775776-MW-14	0	BZME	9/18/2018	UG/L	ND	0.5	37.7434157	-122.2224257	MONITORING	10.03	3	7	EDF
T06019775776-MW-15	0	BZME	9/18/2018	UG/L	ND	0.5	37.7434479	-122.2222172	MONITORING	10.01	3	7	EDF
T06019775776-MW-15	0	BZME	2/15/2019	UG/L	ND	0.5	37.7434479	-122.2222172	MONITORING	10.01	3	7	EDF
T06019775776-MW-18	0	BZME	9/18/2018	UG/L	ND	0.5	37.7435722	-122.2226223	MONITORING	9.95	3	7	EDF
T06019775776-MW-2	0	BZME	2/15/2019	UG/L	ND	0.5	37.7438439	-122.222443	MONITORING	8.91			EDF
T06019775776-MW-2	0	BZME	9/18/2018	UG/L	ND	0.5	37.7438439	-122.222443	MONITORING	8.91			EDF
T06019775776-MW-3	0	BZME	9/18/2018	UG/L	ND	0.5	37.7432571	-122.2224306	MONITORING	12.09			EDF
T06019775776-MW-3	0	BZME	2/15/2019	UG/L	ND	0.5	37.7432571	-122.2224306	MONITORING	12.09			EDF
T06019775776-MW-4	0	BZME	2/15/2019	UG/L	ND	0.5	37.7441576	-122.2233341	MONITORING	9.99	3	7	EDF
T06019775776-MW-4	0	BZME	9/18/2018	UG/L	ND	0.5	37.7441576	-122.2233341	MONITORING	9.99	3	7	EDF
T06019775776-MW-5	0	BZME	2/15/2019	UG/L	ND	0.5	37.7442975	-122.2230839	MONITORING	9.65	3	7	EDF
T06019775776-MW-5	0	BZME	9/18/2018	UG/L	ND	0.5	37.7442975	-122.2230839	MONITORING	9.65	3	7	EDF
T06019775776-MW-6	0	BZME	2/15/2019	UG/L	ND	0.5	37.7440808	-122.2232712	MONITORING	10.71	3	7	EDF

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T06019775776-MW-6	0	BZME	9/18/2018	UG/L	ND	0.5	37.7440808	-122.2232712	MONITORING	10.71	3	7	EDF
T06019775776-MW-7	0	BZME	2/15/2019	UG/L	ND	0.5	37.7441807	-122.223087	MONITORING	10.11	3	7	EDF
T06019775776-MW-7	0	BZME	9/18/2018	UG/L	ND	0.5	37.7441807	-122.223087	MONITORING	10.11	3	7	EDF
T06019775776-MW-8	0	BZME	9/18/2018	UG/L	ND	0.5	37.7436068	-122.2230507	MONITORING	9.85	3	7	EDF
T06019775776-MW-8	0	BZME	2/15/2019	UG/L	ND	0.5	37.7436068	-122.2230507	MONITORING	9.85	3	7	EDF
T06019775776-MW-9	0	BZME	2/15/2019	UG/L	ND	0.5	37.7438962	-122.2229559	MONITORING	9.94	3	7	EDF
T06019775776-MW-9	0	BZME	9/18/2018	UG/L	ND	0.5	37.7438962	-122.2229559	MONITORING	9.94	3	7	EDF
T06019775776-NPORDMW	0	BZME	2/15/2019	UG/L	ND	0.5	37.7446435	-122.2232224	MONITORING	16.46			EDF
T06019775776-NPORDMW	0	BZME	9/18/2018	UG/L	ND	0.5	37.7446435	-122.2232224	MONITORING	16.46			EDF
T06019775776-NPORDMW	0	BZME	2/15/2019	UG/L	ND	0.5	37.7433972	-122.2227967	MONITORING	11.45			EDF
T06019775776-NPORDMW	0	BZME	9/18/2018	UG/L	ND	0.5	37.7433972	-122.2227967	MONITORING	11.45			EDF
T06019788682-MW-1	1.6	BZME	8/28/2018	UG/L	=	0.5	37.8291993	-122.2788355	MONITORING	22.7			EDF
T06019788682-MW-2	3.3	BZME	8/28/2018	UG/L	=	0.5	37.8291503	-122.2788368	MONITORING	22.8			EDF
T06019788682-MW-3	0	BZME	8/28/2018	UG/L	ND	0.5	37.8291396	-122.2788992	MONITORING	22.8			EDF
T06019788682-MW-4	1.4	BZME	8/28/2018	UG/L	=	0.5	37.8290612	-122.27893	MONITORING	22.8			EDF
T0619716673-MW1	0	BZME	4/2/2019	UG/L	ND	0.5	37.8880384	-122.2984473	MONITORING				EDF
T0619716673-MW1	0	BZME	10/10/2018	UG/L	ND	0.5	37.8880384	-122.2984473	MONITORING				EDF
T0619716673-MW1A	0	BZME	4/2/2019	UG/L	ND	0.5	37.8880594	-122.2984529	MONITORING				EDF
T0619716673-MW2	0	BZME	4/2/2019	UG/L	ND	0.5	37.8879305	-122.2984079	MONITORING				EDF
T0619716673-MW2	0	BZME	10/10/2018	UG/L	ND	0.5	37.8879305	-122.2984079	MONITORING				EDF
T0619716673-MW2A	0	BZME	4/2/2019	UG/L	ND	2	37.8879459	-122.2984154	MONITORING				EDF
T0619716673-MW3	54	BZME	4/3/2019	UG/L	=	20	37.8878945	-122.298559	MONITORING				EDF
T0619716673-MW3	110	BZME	10/10/2018	UG/L	=	10	37.8878945	-122.298559	MONITORING				EDF
T0619716673-MW3A	0	BZME	4/3/2019	UG/L	ND	0.5	37.8879037	-122.2985623	MONITORING				EDF
T0619716673-MW3A	0	BZME	10/10/2018	UG/L	ND	0.5	37.8879037	-122.2985623	MONITORING				EDF
T0619716673-MW4	5.8	BZME	10/10/2018	UG/L	=	2	37.8878851	-122.2986883	MONITORING				EDF
T0619716673-MW4	1.5	BZME	4/2/2019	UG/L	=	0.5	37.8878851	-122.2986883	MONITORING				EDF
T0619716673-MW4A	0	BZME	4/2/2019	UG/L	ND	0.5	37.8879015	-122.298688	MONITORING				EDF
T0619716673-MW5	4.5	BZME	10/10/2018	UG/L	=	1	37.8879453	-122.2987089	MONITORING				EDF
T0619716673-MW5	0	BZME	4/3/2019	UG/L	ND	0.5	37.8879453	-122.2987089	MONITORING				EDF
T0619716673-MW5A	0.86	BZME	4/3/2019	UG/L	=	0.5	37.8879494	-122.2986944	MONITORING				EDF
T0619716673-MW6	0	BZME	10/10/2018	UG/L	ND	0.5	37.8879988	-122.2987277	MONITORING				EDF
T0619716673-MW6	0	BZME	4/2/2019	UG/L	ND	0.5	37.8879988	-122.2987277	MONITORING				EDF
T0619716673-MW6A	0	BZME	4/2/2019	UG/L	ND	0.5	37.8879844	-122.2987304	MONITORING				EDF
T0619716673-MW7	6	BZME	10/10/2018	UG/L	=	4	37.8878386	-122.2987881	MONITORING				EDF
T0619716673-MW7	0	BZME	4/2/2019	UG/L	ND	0.5	37.8878386	-122.2987881	MONITORING				EDF
T0619716673-MW8	0	BZME	10/10/2018	UG/L	ND	0.5	37.887992	-122.2991575	MONITORING				EDF

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T0619716673-MW8	0	BZME	4/2/2019	UG/L	ND	0.5	37.887992	-122.2991575	MONITORING				EDF
T0619716673-MW9	0	BZME	4/2/2019	UG/L	ND	0.5	37.8879136	-122.2991332	MONITORING				EDF
T0619716673-MW9	0	BZME	10/10/2018	UG/L	ND	0.5	37.8879136	-122.2991332	MONITORING				EDF
T0619748201-MW-101	0	BZME	11/20/2018	UG/L	ND	12	37.8479522	-122.2653964	MONITORING	20			EDF
T0619748201-MW-101	13	BZME	11/20/2018	UG/L	=	5	37.8479522	-122.2653964	MONITORING	20			EDF
T0619748201-MW-102	0	BZME	11/20/2018	UG/L	ND	0.5	37.8480592	-122.2653564	MONITORING	20			EDF
T0619748201-MW-103	0	BZME	11/20/2018	UG/L	ND	5	37.8479122	-122.2653311	MONITORING	20			EDF
T0619748201-MW-103	9	BZME	11/20/2018	UG/L	=	5	37.8479122	-122.2653311	MONITORING	20			EDF
T0619748201-MW-104	0	BZME	11/20/2018	UG/L	ND	0.5	37.847894	-122.26551	MONITORING	20			EDF
T0619748201-MW-105	0	BZME	11/20/2018	UG/L	ND	0.5	37.847826	-122.265374	MONITORING	20			EDF
T10000001026-SGI-MW-1	0	BZME	9/4/2018	UG/L	ND	0.5	37.9546218	-122.3589921	MONITORING				EDF
T10000001026-SGI-MW-2	0	BZME	9/4/2018	UG/L	ND	0.5	37.9546522	-122.3598575	MONITORING				EDF
T10000001026-SGI-MW-3	0	BZME	9/4/2018	UG/L	ND	0.5	37.9538381	-122.3599158	MONITORING				EDF
T10000001026-SGI-MW-4	0	BZME	9/4/2018	UG/L	ND	0.5	37.953127	-122.3599482	MONITORING				EDF
T10000001026-SGI-MW-7	0	BZME	9/4/2018	UG/L	ND	0.5	37.9519895	-122.35913	MONITORING				EDF
T10000003428-MW-1	460	BZME	2/12/2019	UG/L	=	10	37.7988535	-122.2728792	MONITORING	29.72			EDF
T10000003428-MW-1	2300	BZME	8/14/2018	UG/L	=	50	37.7988535	-122.2728792	MONITORING	29.72			EDF
T10000003428-MW-2	160	BZME	2/12/2019	UG/L	=	5	37.7986993	-122.2727808	MONITORING	29.82			EDF
T10000003428-MW-2	210	BZME	8/14/2018	UG/L	=	5	37.7986993	-122.2727808	MONITORING	29.82			EDF
T10000003428-MW-3	3500	BZME	8/14/2018	UG/L	=	100	37.7987534	-122.2729233	MONITORING	29.75			EDF
T10000003428-MW-3	1400	BZME	2/12/2019	UG/L	=	25	37.7987534	-122.2729233	MONITORING	29.75			EDF
T10000003428-MW-4	230	BZME	8/14/2018	UG/L	=	25	37.7987909	-122.2733659	MONITORING	29.73			EDF
T10000003428-MW-4	35	BZME	2/12/2019	UG/L	=	25	37.7987909	-122.2733659	MONITORING	29.73			EDF
T10000004218-MW-1	0	BZME	12/18/2018	UG/L	ND	1	37.793618	-122.2264971	MONITORING	19.78			EDF
T10000004218-MW-1	0	BZME	9/21/2018	UG/L	ND	1	37.793618	-122.2264971	MONITORING	19.78			EDF
T10000004218-MW-2	0	BZME	9/21/2018	UG/L	ND	1	37.7937056	-122.2265157	MONITORING	19.77			EDF
T10000004218-MW-2	0	BZME	12/18/2018	UG/L	ND	1	37.7937056	-122.2265157	MONITORING	19.77			EDF
T10000004218-MW-3	1	BZME	12/18/2018	UG/L	ND	5	37.79359	-122.2263791	MONITORING	19.82			EDF
T10000004218-MW-3	0	BZME	9/21/2018	UG/L	ND	5	37.79359	-122.2263791	MONITORING	19.82			EDF
T10000004218-MW-4	280	BZME	9/21/2018	UG/L	=	10	37.7935854	-122.2265479	MONITORING	19.75			EDF
T10000004218-MW-4	310	BZME	12/18/2018	UG/L	=	10	37.7935854	-122.2265479	MONITORING	19.75			EDF
T10000004218-MW-5	0	BZME	9/21/2018	UG/L	ND	1	37.7933954	-122.2268937	MONITORING	19.95			EDF
T10000004218-MW-5	0	BZME	12/18/2018	UG/L	ND	1	37.7933954	-122.2268937	MONITORING	19.95			EDF
T10000005974-MW-1	1.2	BZME	8/30/2018	UG/L	=	1	37.77711382	-122.2764581	MONITORING	15.15	7	10	EDF
T10000005974-MW-2A	0	BZME	8/30/2018	UG/L	ND	1	37.77693441	-122.276498	MONITORING	17.35	7	10	EDF
T10000005974-MW-3A	0	BZME	8/30/2018	UG/L	ND	1	37.776943	-122.2762181	MONITORING	19.9	7	10	EDF
T10000006351-MW-3A	860	BZME	3/27/2019	UG/L	=	10	37.61862109	-122.0348067	MONITORING				EDF

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T10000006351-MW-3A	260	BZME	12/20/2018	UG/L	=	10	37.61862109	-122.0348067	MONITORING				EDF
T10000006351-MW-3A	66	BZME	9/13/2018	UG/L	=	5	37.61862109	-122.0348067	MONITORING				EDF
T10000006351-MW-4A	1.9	BZME	3/27/2019	UG/L	=	0.5	37.61853385	-122.034758	MONITORING				EDF
T10000006351-MW-4A	2.6	BZME	12/20/2018	UG/L	=	0.5	37.61853385	-122.034758	MONITORING				EDF
T10000006351-MW-4A	0	BZME	9/13/2018	UG/L	ND	0.5	37.61853385	-122.034758	MONITORING				EDF
T10000006351-MW-5A	0	BZME	9/13/2018	UG/L	ND	0.5	37.61879434	-122.0347194	MONITORING				EDF
T10000006351-MW-5A	0	BZME	12/20/2018	UG/L	ND	0.5	37.61879434	-122.0347194	MONITORING				EDF
T10000006351-MW-5A	0	BZME	3/27/2019	UG/L	ND	0.5	37.61879434	-122.0347194	MONITORING				EDF
T10000006351-MW-6A	9800	BZME	12/20/2018	UG/L	=	50	37.61868888	-122.0346068	MONITORING				EDF
T10000006351-MW-6A	6300	BZME	3/27/2019	UG/L	=	50	37.61868888	-122.0346068	MONITORING				EDF
T10000006351-MW-6A	6000	BZME	11/13/2018	UG/L	=	100	37.61868888	-122.0346068	MONITORING				EDF
T10000009401-MW-1	0	BZME	2/15/2019	UG/L	ND	1	37.7610555	-122.2453043	MONITORING	14.75	5	10	EDF
T10000009401-MW-1	0	BZME	12/3/2018	UG/L	ND	1	37.7610555	-122.2453043	MONITORING	14.75	5	10	EDF
T10000009401-MW-1	0	BZME	8/24/2018	UG/L	ND	1	37.7610555	-122.2453043	MONITORING	14.75	5	10	EDF
T10000009401-MW-2	2	BZME	12/3/2018	UG/L	=	1	37.7609755	-122.2453638	MONITORING	14.35	5	15	EDF
T10000009401-MW-2	3	BZME	8/24/2018	UG/L	ND	5	37.7609755	-122.2453638	MONITORING	14.35	5	15	EDF
T10000009401-MW-2	0.7	BZME	2/15/2019	UG/L	ND	1	37.7609755	-122.2453638	MONITORING	14.35	5	15	EDF
T10000009401-MW-3	0.4	BZME	2/15/2019	UG/L	ND	1	37.7609586	-122.2452386	MONITORING	14.92	5	10	EDF
T10000009401-MW-3	0.3	BZME	12/3/2018	UG/L	ND	1	37.7609586	-122.2452386	MONITORING	14.92	5	10	EDF
T10000009401-MW-3	0.6	BZME	8/24/2018	UG/L	ND	1	37.7609586	-122.2452386	MONITORING	14.92	5	10	EDF
T10000009401-MW-4	0	BZME	8/24/2018	UG/L	ND	1	37.7608746	-122.2453315	MONITORING	14.98	5	10	EDF
T10000009401-MW-4	0	BZME	2/15/2019	UG/L	ND	1	37.7608746	-122.2453315	MONITORING	14.98	5	10	EDF
T10000009401-MW-4	0	BZME	12/3/2018	UG/L	ND	1	37.7608746	-122.2453315	MONITORING	14.98	5	10	EDF
T10000009433-MW-7	0	BZME	9/20/2018	UG/L	ND	1	37.8122075	-122.2798206	MONITORING				EDF
T10000009433-MW-7	0	BZME	1/24/2019	UG/L	ND	1	37.8122075	-122.2798206	MONITORING				EDF
T10000009433-MW-8	35.4	BZME	9/20/2018	UG/L	=	1	37.8124013	-122.2804083	MONITORING				EDF
T10000009433-MW-8	105	BZME	1/24/2019	UG/L	=	1	37.8124013	-122.2804083	MONITORING				EDF
T10000009433-MW-9	0	BZME	9/20/2018	UG/L	ND	1	37.812897	-122.2802245	MONITORING				EDF
T10000009433-MW-9	0	BZME	1/24/2019	UG/L	ND	1	37.812897	-122.2802245	MONITORING				EDF
T10000009600-MW-1	0	BZME	4/30/2019	UG/L	ND	1	37.8435637	-122.2750686	MONITORING	14.27	71.66		EDF
T10000009600-MW-1	0	BZME	10/16/2018	UG/L	ND	1	37.8435637	-122.2750686	MONITORING	14.27	71.66		EDF
T10000009600-MW-1	0	BZME	1/15/2019	UG/L	ND	1	37.8435637	-122.2750686	MONITORING	14.27	71.66		EDF
T10000009600-MW-2	0	BZME	10/16/2018	UG/L	ND	1	37.8434478	-122.2751266	MONITORING	14.5	72.18		EDF
T10000009600-MW-2	0	BZME	4/30/2019	UG/L	ND	1	37.8434478	-122.2751266	MONITORING	14.5	72.18		EDF
T10000009600-MW-2	0	BZME	1/15/2019	UG/L	ND	1	37.8434478	-122.2751266	MONITORING	14.5	72.18		EDF
T10000009600-MW-3	0	BZME	4/30/2019	UG/L	ND	1	37.843416	-122.2752136	MONITORING	14.53	72.32		EDF
T10000009600-MW-3	0	BZME	10/16/2018	UG/L	ND	1	37.843416	-122.2752136	MONITORING	14.53	72.32		EDF

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T10000009600-MW-3	0	BZME	1/15/2019	UG/L	ND	1	37.843416	-122.2752136	MONITORING	14.53	72.32		EDF
T10000009600-MW-4	0	BZME	10/16/2018	UG/L	ND	1	37.8435206	-122.2752525	MONITORING	14.02	71.98		EDF
T10000009600-MW-4	0	BZME	4/30/2019	UG/L	ND	1	37.8435206	-122.2752525	MONITORING	14.02	71.98		EDF
T10000009600-MW-4	0	BZME	1/15/2019	UG/L	ND	1	37.8435206	-122.2752525	MONITORING	14.02	71.98		EDF
T10000009600-MW-5	0	BZME	4/30/2019	UG/L	ND	1	37.8435713	-122.2752522	MONITORING	14.9	71.84		EDF
T10000009600-MW-5	0	BZME	10/16/2018	UG/L	ND	1	37.8435713	-122.2752522	MONITORING	14.9	71.84		EDF
T10000009600-MW-5	0	BZME	1/15/2019	UG/L	ND	1	37.8435713	-122.2752522	MONITORING	14.9	71.84		EDF
T10000009600-MW-6	0	BZME	4/30/2019	UG/L	ND	1	37.8436358	-122.275172	MONITORING	14.3	71.35		EDF
T10000009600-MW-6	0	BZME	10/16/2018	UG/L	ND	1	37.8436358	-122.275172	MONITORING	14.3	71.35		EDF
T10000009600-MW-6	0	BZME	1/15/2019	UG/L	ND	1	37.8436358	-122.275172	MONITORING	14.3	71.35		EDF
T10000009940-MW-1	141	BZME	3/26/2019	UG/L	=	5	37.77711382	-122.2764581	MONITORING	15.6	7	10	EDF
T10000009940-MW-1	1.2	BZME	8/30/2018	UG/L	=	1	37.77711382	-122.2764581	MONITORING	15.6	7	10	EDF
T10000009940-MW-2A	0	BZME	3/26/2019	UG/L	ND	1	37.77693441	-122.276498	MONITORING	17.28	7	10	EDF
T10000009940-MW-2A	0	BZME	8/30/2018	UG/L	ND	1	37.77693441	-122.276498	MONITORING	17.28	7	10	EDF
T10000009940-MW-3A	0	BZME	8/30/2018	UG/L	ND	1	37.776943	-122.2762181	MONITORING	16.88	7	10	EDF
T10000009940-MW-3A	0	BZME	3/26/2019	UG/L	ND	1	37.776943	-122.2762181	MONITORING	16.88	7	10	EDF
T10000010738-EX-1	0	BZME	8/27/2018	UG/L	ND	0.5	37.81153096	-122.268594	MONITORING				EDF
T10000010738-EX-1	0	BZME	8/23/2018	UG/L	ND	0.5	37.81153096	-122.268594	MONITORING				EDF
T10000010738-EX-1	0	BZME	9/25/2018	UG/L	ND	0.5	37.81153096	-122.268594	MONITORING				EDF
T10000010738-EX-2	0	BZME	9/25/2018	UG/L	ND	0.5	37.81152387	-122.2685567	MONITORING				EDF
T10000010738-EX-2	0	BZME	8/23/2018	UG/L	ND	0.5	37.81152387	-122.2685567	MONITORING				EDF
T10000010738-EX-2	0	BZME	8/27/2018	UG/L	ND	0.5	37.81152387	-122.2685567	MONITORING				EDF
T10000010738-EX-3	0	BZME	3/25/2019	UG/L	ND	0.5	37.81154357	-122.2684701	MONITORING				EDF
T10000010738-EX-3	0	BZME	8/27/2018	UG/L	ND	0.5	37.81154357	-122.2684701	MONITORING				EDF
T10000010738-EX-3	0	BZME	9/25/2018	UG/L	ND	0.5	37.81154357	-122.2684701	MONITORING				EDF
T10000010738-EX-3	0	BZME	2/21/2019	UG/L	ND	0.5	37.81154357	-122.2684701	MONITORING				EDF
T10000010738-EX-3	0	BZME	8/23/2018	UG/L	ND	0.5	37.81154357	-122.2684701	MONITORING				EDF
T10000010738-OB-2	0	BZME	9/25/2018	UG/L	ND	0.5	37.81158983	-122.2684233	MONITORING				EDF
T10000010738-OB-2	0	BZME	2/21/2019	UG/L	ND	0.5	37.81158983	-122.2684233	MONITORING				EDF
T10000010738-OB-2	0	BZME	8/27/2018	UG/L	ND	0.5	37.81158983	-122.2684233	MONITORING				EDF
T10000010738-OB-2	0	BZME	8/23/2018	UG/L	ND	0.5	37.81158983	-122.2684233	MONITORING				EDF
T10000010738-OB-2	0	BZME	3/25/2019	UG/L	ND	0.5	37.81158983	-122.2684233	MONITORING				EDF
T10000010738-OB-4	0	BZME	8/23/2018	UG/L	ND	0.5	37.81153553	-122.2683987	MONITORING				EDF
T10000010738-OB-4	0	BZME	9/25/2018	UG/L	ND	0.5	37.81153553	-122.2683987	MONITORING				EDF
T10000010738-OB-4	0	BZME	8/27/2018	UG/L	ND	0.5	37.81153553	-122.2683987	MONITORING				EDF
T10000010738-OB-4	0	BZME	2/21/2019	UG/L	ND	0.5	37.81153553	-122.2683987	MONITORING				EDF
T10000010738-OB-4	0	BZME	3/25/2019	UG/L	ND	0.5	37.81153553	-122.2683987	MONITORING				EDF

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T10000011091-MW-1	0	BZME	11/29/2018	UG/L	ND	1	37.8317301	-122.2537694	MONITORING	21.9	7	15	EDF
T10000011091-MW-1	0	BZME	4/26/2019	UG/L	ND	1	37.8317301	-122.2537694	MONITORING	21.9	7	15	EDF
T10000011091-MW-1	0	BZME	2/5/2019	UG/L	ND	1	37.8317301	-122.2537694	MONITORING	21.9	7	15	EDF
T10000011091-MW-2	0	BZME	2/5/2019	UG/L	ND	1	37.8315767	-122.2537775	MONITORING	21.1	7	15	EDF
T10000011091-MW-2	0	BZME	4/26/2019	UG/L	ND	1	37.8315767	-122.2537775	MONITORING	21.1	7	15	EDF
T10000011091-MW-2	0	BZME	11/29/2018	UG/L	ND	1	37.8315767	-122.2537775	MONITORING	21.1	7	15	EDF
T10000011091-MW-3	0	BZME	4/26/2019	UG/L	ND	1	37.8314016	-122.2540596	MONITORING	24.69	10	15	EDF
T10000011091-MW-3	0	BZME	2/5/2019	UG/L	ND	1	37.8314016	-122.2540596	MONITORING	24.69	10	15	EDF
T10000011091-MW-3	0	BZME	11/29/2018	UG/L	ND	1	37.8314016	-122.2540596	MONITORING	24.69	10	15	EDF
T10000011211-MW-1	0	BZME	3/31/2019	UG/L	ND	0.5	37.645999	-122.128267	MONITORING	13.63	8	7	EDF
T10000011211-MW-1	0	BZME	8/8/2018	UG/L	ND	1	37.645999	-122.128267	MONITORING	13.63	8	7	EDF
T10000011211-MW-2	0	BZME	8/8/2018	UG/L	ND	1	37.6461632	-122.1280873	MONITORING	14.17	6.5	7	EDF
T10000011211-MW-2	0	BZME	3/31/2019	UG/L	ND	0.5	37.6461632	-122.1280873	MONITORING	14.17	6.5	7	EDF
T10000011211-MW-3	0	BZME	8/8/2018	UG/L	ND	1	37.6457435	-122.1285581	MONITORING	14.59	5	5	EDF
T10000011211-MW-3	0	BZME	4/1/2019	UG/L	ND	0.5	37.6457435	-122.1285581	MONITORING	14.59	5	5	EDF
T10000011211-MW-4	0	BZME	3/31/2019	UG/L	ND	0.5	37.6461337	-122.1298916	MONITORING	14.56	10	5	EDF
T10000011211-MW-4	0	BZME	8/8/2018	UG/L	ND	1	37.6461337	-122.1298916	MONITORING	14.56	10	5	EDF

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XYLENE

Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top Screen (FT)	Screen Length (FT)	Source
0103041-001	0	XYLENES	2/26/2019	UG/L	<	UNK	37.7268594	-122.157248	MUNICIPAL		0	0	DHS
L10006224883-GW-1(A)	0	XYLENES	1/8/2019	UG/L	ND	0.5	37.87298088	-122.3233184	MONITORING	49.9			EDF
L10006224883-GW-2	0	XYLENES	1/8/2019	UG/L	ND	0.5	37.87011788	-122.3207845	MONITORING	49.07			EDF
L10006224883-GW-3	0	XYLENES	1/8/2019	UG/L	ND	0.5	37.87153234	-122.3151463	MONITORING	37.5			EDF
L10006224883-GW-4	0	XYLENES	1/8/2019	UG/L	ND	0.5	37.87387452	-122.3170825	MONITORING	45			EDF
L10006224883-GW-5	0	XYLENES	1/8/2019	UG/L	ND	0.5	37.87226085	-122.3185373	MONITORING	72			EDF
L10006224883-L-4	0	XYLENES	1/10/2019	UG/L	ND	0.5	37.87191501	-122.3167805	MONITORING				EDF
L10006224883-L-5	0	XYLENES	1/10/2019	UG/L	ND	0.5	37.87173259	-122.3177832	MONITORING				EDF
L10009353957-CW-9	0	XYLENES	8/15/2018	UG/L	ND	0.5	37.94450448	-122.3757654	MONITORING				EDF
L10009353957-CW-9	0	XYLENES	11/13/2018	UG/L	ND	0.5	37.94450448	-122.3757654	MONITORING				EDF
L10009353957-GW-31A	0	XYLENES	10/9/2018	UG/L	ND	0.5	37.95392553	-122.3741854	MONITORING		4.6	15.5	EDF
L10009353957-GW-38A	0	XYLENES	10/9/2018	UG/L	ND	0.5	37.95391483	-122.3756621	MONITORING		3.69	15	EDF
L10009353957-GW-38C	0	XYLENES	10/10/2018	UG/L	ND	0.5	37.95391455	-122.3756007	MONITORING		29.1	5	EDF
L10009353957-GW-61A-3	0	XYLENES	11/7/2018	UG/L	ND	0.5	37.946677	-122.365392	MONITORING		12	5	EDF
L10009353957-GW-61C-2	0	XYLENES	11/7/2018	UG/L	ND	0.5	37.94668249	-122.3654073	MONITORING		39.61	10	EDF
L10009353957-GW-63C	0	XYLENES	10/18/2018	UG/L	ND	0.5	37.95392247	-122.3786384	MONITORING		30.67	10	EDF
SL0002020084-MW-1	0	XYLENES	9/26/2018	UG/L	ND	50	37.7308224	-122.2105457	MONITORING	14.57			EDF
SL0002020084-MW-1	0	XYLENES	3/28/2019	UG/L	ND	50	37.7308224	-122.2105457	MONITORING	14.57			EDF
SL0002020084-MW-10	0	XYLENES	3/29/2019	UG/L	ND	50	37.7307169	-122.2107355	MONITORING	13.3			EDF
SL0002020084-MW-10	0	XYLENES	9/27/2018	UG/L	ND	5	37.7307169	-122.2107355	MONITORING	13.3			EDF
SL0002020084-MW-11	0	XYLENES	9/27/2018	UG/L	ND	5	37.7310491	-122.2110789	MONITORING	11.4			EDF
SL0002020084-MW-11	0	XYLENES	3/28/2019	UG/L	ND	50	37.7310491	-122.2110789	MONITORING	11.4			EDF
SL0002020084-MW-12	0	XYLENES	3/29/2019	UG/L	ND	50	37.7304608	-122.2103415	MONITORING	11.4			EDF
SL0002020084-MW-12	0	XYLENES	9/27/2018	UG/L	ND	5	37.7304608	-122.2103415	MONITORING	11.4			EDF
SL0002020084-MW-13	0	XYLENES	3/29/2019	UG/L	ND	50	37.7305592	-122.2104597	MONITORING	11.4			EDF
SL0002020084-MW-13	0	XYLENES	9/27/2018	UG/L	ND	5	37.7305592	-122.2104597	MONITORING	11.4			EDF
SL0002020084-MW-14	0	XYLENES	3/29/2019	UG/L	ND	50	37.7310147	-122.2109189	MONITORING	11.4			EDF
SL0002020084-MW-14	0	XYLENES	9/27/2018	UG/L	ND	50	37.7310147	-122.2109189	MONITORING	11.4			EDF
SL0002020084-MW-2	9	XYLENES	9/26/2018	UG/L	ND	25	37.7308485	-122.2104859	MONITORING	13.45			EDF
SL0002020084-MW-4	0	XYLENES	9/26/2018	UG/L	ND	5	37.7308308	-122.2103829	MONITORING	13.54			EDF
SL0002020084-MW-4	0	XYLENES	3/28/2019	UG/L	ND	50	37.7308308	-122.2103829	MONITORING	13.54			EDF
SL0002020084-MW-5	0	XYLENES	9/26/2018	UG/L	ND	5	37.7310045	-122.2106504	MONITORING	13.24			EDF
SL0002020084-MW-5	0	XYLENES	3/28/2019	UG/L	ND	50	37.7310045	-122.2106504	MONITORING	13.24			EDF
SL0002020084-MW-6	0	XYLENES	3/28/2019	UG/L	ND	5	37.730918	-122.2106794	MONITORING	14.03			EDF
SL0002020084-MW-6	0	XYLENES	9/26/2018	UG/L	ND	5	37.730918	-122.2106794	MONITORING	14.03			EDF
SL0002020084-MW-7	0	XYLENES	3/28/2019	UG/L	ND	50	37.7310244	-122.2107759	MONITORING	13.73			EDF
SL0002020084-MW-7	0	XYLENES	9/26/2018	UG/L	ND	5	37.7310244	-122.2107759	MONITORING	13.73			EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top Screen (FT)	Screen Length (FT)	Source
SL0002020084-MW-8	0	XYLENES	3/29/2019	UG/L	ND	50	37.7310337	-122.2104802	MONITORING	11.4			EDF
SL0002020084-MW-8	0	XYLENES	9/26/2018	UG/L	ND	50	37.7310337	-122.2104802	MONITORING	11.4			EDF
SL0002020084-MW-9	0	XYLENES	9/27/2018	UG/L	ND	5	37.7306903	-122.2100941	MONITORING	13.06			EDF
SL0002020084-MW-9	0	XYLENES	3/29/2019	UG/L	ND	50	37.7306903	-122.2100941	MONITORING	13.06			EDF
SL18244665-GW-10B	0	XYLENES	10/1/2018	UG/L	ND	0.5	37.9424069	-122.3747428	MONITORING		120.55	20	EDF
SL18244665-GW-10C	0	XYLENES	12/17/2018	UG/L	ND	0.5	37.94571257	-122.3722745	MONITORING		16.06	20	EDF
SL18244665-GW-10C	0	XYLENES	12/17/2018	UG/L	ND	2.5	37.94571257	-122.3722745	MONITORING		16.06	20	EDF
SL18244665-GW-11A	0	XYLENES	9/25/2018	UG/L	ND	0.5	37.9434276	-122.3739047	MONITORING		5.64	6.5	EDF
SL18244665-GW-11C	0	XYLENES	9/25/2018	UG/L	ND	1	37.94342714	-122.3739439	MONITORING		16.42	18.3	EDF
SL18244665-GW-12A	0	XYLENES	8/7/2018	UG/L	ND	2.5	37.9451492	-122.3717197	MONITORING		5.52	12	EDF
SL18244665-GW-12A	0	XYLENES	8/7/2018	UG/L	ND	0.5	37.9451492	-122.3717197	MONITORING		5.52	12	EDF
SL18244665-GW-13A	0	XYLENES	8/7/2018	UG/L	ND	2.5	37.94470454	-122.3721462	MONITORING		5.75	13	EDF
SL18244665-GW-15A	0	XYLENES	8/7/2018	UG/L	ND	2.5	37.94283711	-122.3734862	MONITORING		4.21	11	EDF
SL18244665-GW-15C	0	XYLENES	8/20/2018	UG/L	ND	100	37.94240823	-122.3736443	MONITORING		45.96	17	EDF
SL18244665-GW-19A	0	XYLENES	8/7/2018	UG/L	ND	2.5	37.94227532	-122.3722844	MONITORING		2.7	7.5	EDF
SL18244665-GW-19C	0	XYLENES	8/21/2018	UG/L	ND	0.5	37.94226543	-122.37187	MONITORING		43.54	19.5	EDF
SL18244665-GW-20A	0	XYLENES	8/13/2018	UG/L	ND	2.5	37.94224213	-122.3707597	MONITORING		4.64	9.5	EDF
SL18244665-GW-21C	0	XYLENES	8/21/2018	UG/L	ND	0.5	37.94422319	-122.3723033	MONITORING		48.61	19.3	EDF
SL18244665-GW-22C	0	XYLENES	8/23/2018	UG/L	ND	0.5	37.94274576	-122.3744984	MONITORING		43.97	20	EDF
SL18244665-GW-23C	0	XYLENES	8/23/2018	UG/L	ND	0.5	37.9422953	-122.3748326	MONITORING		43.07	20	EDF
SL18244665-GW-25C	0	XYLENES	9/26/2018	UG/L	ND	0.5	37.94153924	-122.3737241	MONITORING		54.51	20	EDF
SL18244665-GW-26C	0	XYLENES	8/23/2018	UG/L	ND	0.5	37.94218323	-122.3749231	MONITORING		65.1	10	EDF
SL18244665-GW-40C	0	XYLENES	8/28/2018	UG/L	ND	2.5	37.94562252	-122.3729223	MONITORING		31.84	15	EDF
SL18244665-GW-40C	0	XYLENES	8/28/2018	UG/L	ND	0.5	37.94562252	-122.3729223	MONITORING		31.84	15	EDF
SL18244665-GW-6B-2	0	XYLENES	9/26/2018	UG/L	ND	0.5	37.94493217	-122.3736841	MONITORING		108.99	20	EDF
SL18244665-GW-6C-1	0	XYLENES	8/28/2018	UG/L	ND	0.5	37.94450788	-122.3737154	MONITORING		23.29	20	EDF
SL18244665-GW-7A	0	XYLENES	8/8/2018	UG/L	ND	0.5	37.94410917	-122.3670541	MONITORING		8.79	18	EDF
SL18244665-GW-7A	0	XYLENES	8/8/2018	UG/L	ND	2.5	37.94410917	-122.3670541	MONITORING		8.79	18	EDF
SL18244665-GW-7B	0	XYLENES	9/19/2018	UG/L	ND	0.5	37.94393562	-122.3671182	MONITORING		121.01	16	EDF
SL18244665-GW-7B	0	XYLENES	9/19/2018	UG/L	ND	2.5	37.94393562	-122.3671182	MONITORING		121.01	16	EDF
SL18244665-GW-7C	0	XYLENES	8/20/2018	UG/L	ND	0.5	37.94404005	-122.3670343	MONITORING		33.71	20	EDF
SL18244665-GW-8A	0	XYLENES	8/13/2018	UG/L	ND	0.5	37.94248218	-122.3683813	MONITORING		7.39	19	EDF
SL18244665-GW-8C	0	XYLENES	8/20/2018	UG/L	ND	0.5	37.94244141	-122.3684697	MONITORING		43.25	20	EDF
SL18344764-MW-15A	0	XYLENES	8/6/2018	UG/L	ND	0.5	37.7427836	-122.1514643	MONITORING	25.87	16	10	EDF
SL18344764-MW-15B	0	XYLENES	8/6/2018	UG/L	ND	50	37.7427775	-122.1514593	MONITORING	48.93	39	10	EDF
SL20244862-AMW-11BR	0	XYLENES	1/30/2019	UG/L	ND	0.5	37.7658117	-122.2232405	MONITORING				EDF
SL20244862-AMW-11BR	0	XYLENES	8/16/2018	UG/L	ND	0.5	37.7658117	-122.2232405	MONITORING				EDF

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SL20244862-AMW-13AR	0.53	XYLENES	8/17/2018	UG/L	=	0.5	37.7666675	-122.2235634	MONITORING		10	8	EDF
SL20244862-AMW-13AR	0	XYLENES	1/29/2019	UG/L	ND	0.5	37.7666675	-122.2235634	MONITORING		10	8	EDF
SL20244862-AMW-13B	0	XYLENES	1/29/2019	UG/L	ND	0.5	37.7666722	-122.2235346	MONITORING				EDF
SL20244862-AMW-13B	0.67	XYLENES	8/16/2018	UG/L	=	0.5	37.7666722	-122.2235346	MONITORING				EDF
SL20244862-AMW-14B	0	XYLENES	8/16/2018	UG/L	ND	10	37.7662006	-122.2237995	MONITORING		27	10	EDF
SL20244862-AMW-14B	0	XYLENES	1/28/2019	UG/L	ND	1	37.7662006	-122.2237995	MONITORING		27	10	EDF
SL20244862-AMW-17A	0	XYLENES	1/29/2019	UG/L	ND	0.5	37.766592	-122.2237993	MONITORING		10	8	EDF
SL20244862-AMW-17B	0	XYLENES	8/16/2018	UG/L	ND	0.5	37.7665997	-122.223806	MONITORING		26	10	EDF
SL20244862-AMW-17B	0	XYLENES	1/29/2019	UG/L	ND	0.5	37.7665997	-122.223806	MONITORING		26	10	EDF
SL20244862-AMW-18B	0	XYLENES	1/28/2019	UG/L	ND	0.5	37.7662123	-122.2238961	MONITORING				EDF
SL20244862-AMW-18B	0	XYLENES	8/17/2018	UG/L	ND	0.5	37.7662123	-122.2238961	MONITORING				EDF
SL20244862-AMW-1A	0	XYLENES	8/17/2018	UG/L	ND	0.5	37.766695	-122.224039	MONITORING				EDF
SL20244862-AMW-1A	0	XYLENES	1/30/2019	UG/L	ND	0.5	37.766695	-122.224039	MONITORING				EDF
SL20244862-AMW-1B	0	XYLENES	1/30/2019	UG/L	ND	0.5	37.7666866	-122.2240268	MONITORING				EDF
SL20244862-AMW-1B	0	XYLENES	8/17/2018	UG/L	ND	0.5	37.7666866	-122.2240268	MONITORING				EDF
SL20244862-AMW-1B	0	XYLENES	11/9/2018	UG/L	ND	0.5	37.7666866	-122.2240268	MONITORING				EDF
SL20244862-AMW-2B	0	XYLENES	8/17/2018	UG/L	ND	2.5	37.7665343	-122.2238173	MONITORING		27.95		EDF
SL20244862-AMW-2B	0	XYLENES	1/29/2019	UG/L	ND	2.5	37.7665343	-122.2238173	MONITORING		27.95		EDF
SL20244862-AMW-3A	0	XYLENES	8/16/2018	UG/L	ND	0.5	37.7665503	-122.2244457	MONITORING		7.75		EDF
SL20244862-AMW-3B	0	XYLENES	8/17/2018	UG/L	ND	200	37.7665564	-122.2244535	MONITORING		21.75		EDF
SL20244862-AMW-3B	0	XYLENES	1/28/2019	UG/L	ND	100	37.7665564	-122.2244535	MONITORING		21.75		EDF
SL20244862-AMW-3B	0	XYLENES	11/9/2018	UG/L	ND	50	37.7665564	-122.2244535	MONITORING		21.75		EDF
SL20244862-AMW-4A	0	XYLENES	1/30/2019	UG/L	ND	0.5	37.7662836	-122.2241343	MONITORING		6.82		EDF
SL20244862-AMW-4B	0.98	XYLENES	8/17/2018	UG/L	=	0.5	37.7662928	-122.2241481	MONITORING		22.89		EDF
SL20244862-AMW-4B	1.7	XYLENES	11/9/2018	UG/L	=	0.5	37.7662928	-122.2241481	MONITORING		22.89		EDF
SL20244862-AMW-4B	2.4	XYLENES	1/28/2019	UG/L	=	0.5	37.7662928	-122.2241481	MONITORING		22.89		EDF
SL20244862-AMW-5AR	2500	XYLENES	8/16/2018	UG/L	=	50	37.7660134	-122.2236205	MONITORING		10	8	EDF
SL20244862-AMW-5AR	0.56	XYLENES	1/30/2019	UG/L	=	0.5	37.7660134	-122.2236205	MONITORING		10	8	EDF
SL20244862-AMW-5B	0	XYLENES	8/17/2018	UG/L	ND	0.5	37.766014	-122.2236072	MONITORING		23		EDF
SL20244862-AMW-5B	0	XYLENES	1/30/2019	UG/L	ND	0.5	37.766014	-122.2236072	MONITORING		23		EDF
SL20244862-AMW-7B	0	XYLENES	8/16/2018	UG/L	ND	0.5	37.7669555	-122.2238839	MONITORING		24		EDF
SL20244862-AMW-7B	0	XYLENES	1/28/2019	UG/L	ND	0.5	37.7669555	-122.2238839	MONITORING		24		EDF
SL20244862-AMW-9B	0	XYLENES	8/17/2018	UG/L	ND	2	37.7661133	-122.2233412	MONITORING		23.8		EDF
SL20244862-AMW-9B	0	XYLENES	1/28/2019	UG/L	ND	2	37.7661133	-122.2233412	MONITORING		23.8		EDF
SL20244862-APZ-1B	0	XYLENES	1/28/2019	UG/L	ND	0.5	37.7661732	-122.2237508	MONITORING				EDF
SL20244862-PZ-2	0	XYLENES	1/29/2019	UG/L	ND	0.5	37.7666071	-122.2237795	MONITORING				EDF
SL20244862-PZ-2	0	XYLENES	8/17/2018	UG/L	ND	0.5	37.7666071	-122.2237795	MONITORING				EDF

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SL374211188-MW-10	0	XYLENES	10/31/2018	UG/L	ND	1	37.916958	-122.3669297	MONITORING	14.32			EDF
SL374211188-MW-10	0	XYLENES	1/17/2019	UG/L	ND	1	37.916958	-122.3669297	MONITORING	14.32			EDF
SL374211188-MW-10	0	XYLENES	8/6/2018	UG/L	ND	1	37.916958	-122.3669297	MONITORING	14.32			EDF
SL374211188-MW-11	0	XYLENES	11/1/2018	UG/L	ND	1	37.916676	-122.3668027	MONITORING	18.8			EDF
SL374211188-MW-11	0	XYLENES	1/17/2019	UG/L	ND	1	37.916676	-122.3668027	MONITORING	18.8			EDF
SL374211188-MW-11	0	XYLENES	8/7/2018	UG/L	ND	1	37.916676	-122.3668027	MONITORING	18.8			EDF
SL374211188-MW-12	0	XYLENES	8/7/2018	UG/L	ND	1	37.9166706	-122.3666519	MONITORING	14.21			EDF
SL374211188-MW-12	0	XYLENES	1/17/2019	UG/L	ND	1	37.9166706	-122.3666519	MONITORING	14.21			EDF
SL374211188-MW-12	0	XYLENES	11/1/2018	UG/L	ND	1	37.9166706	-122.3666519	MONITORING	14.21			EDF
SL374211188-MW-13	0	XYLENES	11/1/2018	UG/L	ND	1	37.916666	-122.3665121	MONITORING	9.88			EDF
SL374211188-MW-14	0	XYLENES	11/1/2018	UG/L	ND	1	37.91667	-122.3663603	MONITORING	10.5			EDF
SL374211188-MW-16	0	XYLENES	11/1/2018	UG/L	ND	1	37.9164683	-122.3660472	MONITORING	7.92			EDF
SL374211188-MW-16	0	XYLENES	8/7/2018	UG/L	ND	1	37.9164683	-122.3660472	MONITORING	7.92			EDF
SL374211188-MW-16	0	XYLENES	1/17/2019	UG/L	ND	1	37.9164683	-122.3660472	MONITORING	7.92			EDF
SL374211188-MW-18	0	XYLENES	10/31/2018	UG/L	ND	1	37.9161799	-122.365978	MONITORING	10.25			EDF
SL374211188-MW-18	0	XYLENES	8/7/2018	UG/L	ND	1	37.9161799	-122.365978	MONITORING	10.25			EDF
SL374211188-MW-18	0	XYLENES	1/17/2019	UG/L	ND	1	37.9161799	-122.365978	MONITORING	10.25			EDF
SL374211188-MW-20	0	XYLENES	11/1/2018	UG/L	ND	1	37.9166269	-122.3660268	MONITORING	11.9			EDF
SL374211188-MW-20	0	XYLENES	1/17/2019	UG/L	ND	1	37.9166269	-122.3660268	MONITORING	11.9			EDF
SL374211188-MW-20	0	XYLENES	8/7/2018	UG/L	ND	1	37.9166269	-122.3660268	MONITORING	11.9			EDF
SL374211188-MW-21	0	XYLENES	8/7/2018	UG/L	ND	1	37.9166656	-122.3658416	MONITORING	22.46			EDF
SL374211188-MW-21	0	XYLENES	10/31/2018	UG/L	ND	1	37.9166656	-122.3658416	MONITORING	22.46			EDF
SL374211188-MW-21	0	XYLENES	1/17/2019	UG/L	ND	1	37.9166656	-122.3658416	MONITORING	22.46			EDF
SL374211188-MW-22	0	XYLENES	8/7/2018	UG/L	ND	1	37.9154816	-122.3655665	MONITORING	7.63			EDF
SL374211188-MW-22	0	XYLENES	1/17/2019	UG/L	ND	1	37.9154816	-122.3655665	MONITORING	7.63			EDF
SL374211188-MW-22	0	XYLENES	11/1/2018	UG/L	ND	1	37.9154816	-122.3655665	MONITORING	7.63			EDF
SL374211188-MW-23	0	XYLENES	10/31/2018	UG/L	ND	1	37.9146628	-122.3654886	MONITORING	9.65			EDF
SL374211188-MW-23	0	XYLENES	1/16/2019	UG/L	ND	1	37.9146628	-122.3654886	MONITORING	9.65			EDF
SL374211188-MW-23	0	XYLENES	8/6/2018	UG/L	ND	1	37.9146628	-122.3654886	MONITORING	9.65			EDF
SL374211188-MW-24	0	XYLENES	1/17/2019	UG/L	ND	1	37.914886	-122.3657611	MONITORING	8.49	3.5	10	EDF
SL374211188-MW-24	0	XYLENES	11/1/2018	UG/L	ND	1	37.914886	-122.3657611	MONITORING	8.49	3.5	10	EDF
SL374211188-MW-24	0	XYLENES	8/7/2018	UG/L	ND	1	37.914886	-122.3657611	MONITORING	8.49	3.5	10	EDF
SL374211188-MW-25	0	XYLENES	1/17/2019	UG/L	ND	1	37.914611	-122.3657607	MONITORING	12.6	2.5	10	EDF
SL374211188-MW-25	0	XYLENES	8/6/2018	UG/L	ND	1	37.914611	-122.3657607	MONITORING	12.6	2.5	10	EDF
SL374211188-MW-25	0	XYLENES	10/31/2018	UG/L	ND	1	37.914611	-122.3657607	MONITORING	12.6	2.5	10	EDF
SL374211188-MW-26	0	XYLENES	10/31/2018	UG/L	ND	1	37.91443	-122.36574	MONITORING	12.2	3	10	EDF
SL374211188-MW-26	0	XYLENES	1/17/2019	UG/L	ND	1	37.91443	-122.36574	MONITORING	12.2	3	10	EDF

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SL374211188-MW-26	0	XYLENES	8/6/2018	UG/L	ND	1	37.91443	-122.36574	MONITORING	12.2	3	10	EDF
SL374211188-MW-27	0	XYLENES	11/1/2018	UG/L	ND	1	37.9150943	-122.3655451	MONITORING	14.9	3	12	EDF
SL374211188-MW-27	0	XYLENES	1/17/2019	UG/L	ND	1	37.9150943	-122.3655451	MONITORING	14.9	3	12	EDF
SL374211188-MW-27	0	XYLENES	8/6/2018	UG/L	ND	1	37.9150943	-122.3655451	MONITORING	14.9	3	12	EDF
SL374211188-MW-28	0	XYLENES	1/17/2019	UG/L	ND	1	37.9168946	-122.3662628	MONITORING	14.9	3	12	EDF
SL374211188-MW-28	0	XYLENES	8/6/2018	UG/L	ND	1	37.9168946	-122.3662628	MONITORING	14.9	3	12	EDF
SL374211188-MW-28	0	XYLENES	10/31/2018	UG/L	ND	1	37.9168946	-122.3662628	MONITORING	14.9	3	12	EDF
SL374211188-MW-3	0	XYLENES	1/17/2019	UG/L	ND	1	37.91428	-122.3668806	MONITORING	9.01			EDF
SL374211188-MW-3	3.9	XYLENES	8/7/2018	UG/L	=	1	37.91428	-122.3668806	MONITORING	9.01			EDF
SL374211188-MW-3	1.8	XYLENES	10/31/2018	UG/L	=	1	37.91428	-122.3668806	MONITORING	9.01			EDF
SL374211188-MW-5	0	XYLENES	10/31/2018	UG/L	ND	1	37.917632	-122.3671446	MONITORING	8.6			EDF
SL374211188-MW-5	0	XYLENES	8/6/2018	UG/L	ND	1	37.917632	-122.3671446	MONITORING	8.6			EDF
SL374211188-MW-5	0	XYLENES	1/17/2019	UG/L	ND	1	37.917632	-122.3671446	MONITORING	8.6			EDF
SL374211188-MW-6	0	XYLENES	10/31/2018	UG/L	ND	1	37.9172709	-122.3709288	MONITORING	14.45			EDF
SL374211188-MW-7	0	XYLENES	10/31/2018	UG/L	ND	1	37.9145078	-122.367912	MONITORING	11.05			EDF
SL374211188-MW-8	0	XYLENES	10/31/2018	UG/L	ND	1	37.9161588	-122.366502	MONITORING	13.03			EDF
SL374211188-MW-8	0	XYLENES	1/17/2019	UG/L	ND	1	37.9161588	-122.366502	MONITORING	13.03			EDF
SL374211188-MW-8	1.5	XYLENES	8/7/2018	UG/L	=	1	37.9161588	-122.366502	MONITORING	13.03			EDF
SL374211188-MW-9	0	XYLENES	10/31/2018	UG/L	ND	1	37.9158112	-122.3670172	MONITORING	14.65			EDF
SL374211188-RW-11	0	XYLENES	10/31/2018	UG/L	ND	1	37.9157873	-122.3664703	MONITORING	14.76	3	12	EDF
SL374211188-RW-13	0	XYLENES	1/17/2019	UG/L	ND	1	37.9154955	-122.3664953	MONITORING	12.58	3	12	EDF
SL374211188-RW-13	0	XYLENES	8/6/2018	UG/L	ND	1	37.9154955	-122.3664953	MONITORING	12.58	3	12	EDF
SL374211188-RW-13	0	XYLENES	10/31/2018	UG/L	ND	1	37.9154955	-122.3664953	MONITORING	12.58	3	12	EDF
SL374211188-RW-15	0	XYLENES	8/7/2018	UG/L	ND	1	37.914245	-122.3663342	MONITORING	6.2	2.5	5	EDF
SL374211188-RW-15	0	XYLENES	1/17/2019	UG/L	ND	1	37.914245	-122.3663342	MONITORING	6.2	2.5	5	EDF
SL374211188-RW-15	0	XYLENES	11/1/2018	UG/L	ND	1	37.914245	-122.3663342	MONITORING	6.2	2.5	5	EDF
SL374211188-RW-16	0	XYLENES	1/17/2019	UG/L	ND	1	37.9145961	-122.3661333	MONITORING	5.13	2.5	5	EDF
SL374211188-RW-17	0	XYLENES	1/17/2019	UG/L	ND	1	37.914242	-122.3666158	MONITORING	7.11	2.5	5	EDF
SL374211188-RW-17	0	XYLENES	8/7/2018	UG/L	ND	1	37.914242	-122.3666158	MONITORING	7.11	2.5	5	EDF
SL374211188-RW-17	0	XYLENES	11/1/2018	UG/L	ND	1	37.914242	-122.3666158	MONITORING	7.11	2.5	5	EDF
SL374211188-RW-18	0	XYLENES	10/31/2018	UG/L	ND	1	37.914851	-122.3673967	MONITORING	7.72	2.5	5	EDF
SL374211188-RW-19	0	XYLENES	10/31/2018	UG/L	ND	1	37.9151865	-122.3664937	MONITORING	13.2	2.5	12.5	EDF
SL374211188-RW-2	0	XYLENES	11/1/2018	UG/L	ND	1	37.9154109	-122.3668299	MONITORING	8.05	3	5	EDF
SL374211188-RW-20	0	XYLENES	10/31/2018	UG/L	ND	1	37.9153646	-122.3673763	MONITORING	7.44	3	5	EDF
SL374211188-RW-21	0	XYLENES	10/31/2018	UG/L	ND	1	37.9141655	-122.3678046	MONITORING	8.3	3	5	EDF
SL374211188-RW-21	0	XYLENES	8/6/2018	UG/L	ND	1	37.9141655	-122.3678046	MONITORING	8.3	3	5	EDF
SL374211188-RW-21	0	XYLENES	1/17/2019	UG/L	ND	1	37.9141655	-122.3678046	MONITORING	8.3	3	5	EDF

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SL374211188-RW-22	0	XYLENES	10/31/2018	UG/L	ND	1	37.9161735	-122.3671079	MONITORING	7.7	2.5	5	EDF
SL374211188-RW-23	0	XYLENES	10/31/2018	UG/L	ND	1	37.9141622	-122.3686021	MONITORING	8.07	2.5	5	EDF
SL374211188-RW-24	0	XYLENES	10/31/2018	UG/L	ND	1	37.9144164	-122.3693399	MONITORING	7.62	2.5	5	EDF
SL374211188-RW-3	0	XYLENES	1/17/2019	UG/L	ND	1	37.9157416	-122.3658083	MONITORING	6.94	3	5	EDF
SL374211188-RW-3	0	XYLENES	8/7/2018	UG/L	ND	1	37.9157416	-122.3658083	MONITORING	6.94	3	5	EDF
SL374211188-RW-3	0	XYLENES	11/1/2018	UG/L	ND	1	37.9157416	-122.3658083	MONITORING	6.94	3	5	EDF
SL374211188-RW-4	0	XYLENES	8/6/2018	UG/L	ND	1	37.9163577	-122.3673581	MONITORING	7.2	2	5	EDF
SL374211188-RW-4	0	XYLENES	1/17/2019	UG/L	ND	1	37.9163577	-122.3673581	MONITORING	7.2	2	5	EDF
SL374211188-RW-4	0	XYLENES	11/1/2018	UG/L	ND	1	37.9163577	-122.3673581	MONITORING	7.2	2	5	EDF
SL374211188-RW-5	0	XYLENES	11/1/2018	UG/L	ND	1	37.915164	-122.3658226	MONITORING	6.71	2	5	EDF
SL374211188-RW-5	0	XYLENES	1/17/2019	UG/L	ND	1	37.915164	-122.3658226	MONITORING	6.71	2	5	EDF
SL374211188-RW-5	0	XYLENES	8/7/2018	UG/L	ND	1	37.915164	-122.3658226	MONITORING	6.71	2	5	EDF
SL374211188-RW-6	0	XYLENES	8/6/2018	UG/L	ND	1	37.9144291	-122.3657396	MONITORING	6.35	2	5	EDF
SL374211188-RW-6	0	XYLENES	10/31/2018	UG/L	ND	1	37.9144291	-122.3657396	MONITORING	6.35	2	5	EDF
SL374211188-RW-6	0	XYLENES	1/17/2019	UG/L	ND	1	37.9144291	-122.3657396	MONITORING	6.35	2	5	EDF
SL374211188-RW-7	0	XYLENES	10/31/2018	UG/L	ND	1	37.9144123	-122.3663072	MONITORING	7.03	2	6	EDF
SL374211188-RW-9	0	XYLENES	10/31/2018	UG/L	ND	1	37.914245	-122.3658639	MONITORING	7.5	2	6	EDF
SL374211188-RW-9	0	XYLENES	8/7/2018	UG/L	ND	1	37.914245	-122.3658639	MONITORING	7.5	2	6	EDF
SL374211188-RW-9	0	XYLENES	1/17/2019	UG/L	ND	1	37.914245	-122.3658639	MONITORING	7.5	2	6	EDF
SL599992806-MW-4R	0	XYLENES	10/16/2018	UG/L	ND	0.5	37.7131936	-122.2025917	MONITORING		3	10	EDF
SL599992806-MW-5R	0	XYLENES	10/16/2018	UG/L	ND	0.5	37.7132446	-122.2024901	MONITORING		3	10	EDF
SL599992806-MW-8	0	XYLENES	10/16/2018	UG/L	ND	0.5	37.7131393	-122.2028435	MONITORING		7.46	15	EDF
SL599992806-MW-9	0	XYLENES	10/16/2018	UG/L	ND	0.5	37.713333	-122.2021752	MONITORING		5.29	15	EDF
SL599992806-PMW-1	0	XYLENES	10/16/2018	UG/L	ND	0.5	37.7132267	-122.2027584	MONITORING		4	6	EDF
SL599992806-PMW-2	0	XYLENES	10/16/2018	UG/L	ND	0.5	37.7132671	-122.2026146	MONITORING		3	6	EDF
SL599992806-PMW-3	0	XYLENES	10/16/2018	UG/L	ND	0.5	37.7133181	-122.2024112	MONITORING		3	6	EDF
SL599992806-PMW-4	0	XYLENES	10/16/2018	UG/L	ND	0.5	37.7132099	-122.2027535	MONITORING		10	2	EDF
SL599992806-PMW-5	0	XYLENES	10/16/2018	UG/L	ND	0.5	37.7133034	-122.2024159	MONITORING		10	2	EDF
SL600192789-LMW-1	0	XYLENES	3/6/2019	UG/L	ND	0.5	37.77155139	-122.2345601	MONITORING		18	5	EDF
SL600192789-LMW-10	0.77	XYLENES	3/6/2019	UG/L	=	0.5	37.77110222	-122.233291	MONITORING		17	5	EDF
SL600192789-LMW-10	0	XYLENES	10/29/2018	UG/L	ND	0.5	37.77110222	-122.233291	MONITORING		17	5	EDF
SL600192789-LMW-11	0	XYLENES	3/6/2019	UG/L	ND	0.5	37.77105135	-122.2331784	MONITORING		17.5	5	EDF
SL600192789-LMW-12	0	XYLENES	3/6/2019	UG/L	ND	0.5	37.77086832	-122.2329368	MONITORING		16	5	EDF
SL600192789-LMW-13	0	XYLENES	3/6/2019	UG/L	ND	10	37.77124549	-122.2329247	MONITORING		16.5	5	EDF
SL600192789-LMW-13	17	XYLENES	10/29/2018	UG/L	=	10	37.77124549	-122.2329247	MONITORING		16.5	5	EDF
SL600192789-LMW-14	0	XYLENES	3/6/2019	UG/L	ND	0.5	37.77179201	-122.2341865	MONITORING		18	5	EDF
SL600192789-LMW-15	0	XYLENES	3/6/2019	UG/L	ND	0.5	37.7716536	-122.2338146	MONITORING		18	5	EDF

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SL600192789-LMW-16	5.4	XYLENES	10/29/2018	UG/L	=	5	37.77150321	-122.2334078	MONITORING		18	5	EDF
SL600192789-LMW-16	6.5	XYLENES	3/6/2019	UG/L	=	0.5	37.77150321	-122.2334078	MONITORING		18	5	EDF
SL600192789-LMW-17	0	XYLENES	3/6/2019	UG/L	ND	0.5	37.77153587	-122.2327465	MONITORING		18	5	EDF
SL600192789-LMW-18	0	XYLENES	3/6/2019	UG/L	ND	0.5	37.77194965	-122.2332729	MONITORING		13	5	EDF
SL600192789-LMW-19	0	XYLENES	3/6/2019	UG/L	ND	0.5	37.77105475	-122.2327216	MONITORING		11	5	EDF
SL600192789-LMW-2	0	XYLENES	3/6/2019	UG/L	ND	0.5	37.77146119	-122.2343294	MONITORING		17.5	5	EDF
SL600192789-LMW-3	0	XYLENES	3/6/2019	UG/L	ND	0.5	37.77141021	-122.2342518	MONITORING		17.5	5	EDF
SL600192789-LMW-4	0	XYLENES	3/6/2019	UG/L	ND	0.5	37.77136935	-122.2341051	MONITORING		17.5	5	EDF
SL600192789-LMW-5	13	XYLENES	3/6/2019	UG/L	=	10	37.77134557	-122.2339439	MONITORING		17.5	5	EDF
SL600192789-LMW-6	0	XYLENES	3/6/2019	UG/L	ND	0.5	37.77132132	-122.2337996	MONITORING		17	5	EDF
SL600192789-LMW-7	13	XYLENES	3/6/2019	UG/L	=	10	37.77127497	-122.2336846	MONITORING		17.5	5	EDF
SL600192789-LMW-8	2.4	XYLENES	3/6/2019	UG/L	=	0.5	37.77122855	-122.233554	MONITORING		17	5	EDF
SL600192789-LMW-9	0	XYLENES	3/6/2019	UG/L	ND	0.5	37.77117615	-122.2334264	MONITORING		17	5	EDF
T0600100023-MW-1	0	XYLENES	4/5/2019	UG/L	ND	5	37.6657543	-122.1110476	MONITORING	24.59	10	15	EDF
T0600100023-MW-1	0	XYLENES	10/17/2018	UG/L	ND	5	37.6657543	-122.1110476	MONITORING	24.59	10	15	EDF
T0600100023-MW-10	0	XYLENES	10/16/2018	UG/L	ND	0.5	37.665572	-122.1116717	MONITORING	22.89	10	15	EDF
T0600100023-MW-10	0	XYLENES	4/5/2019	UG/L	ND	0.5	37.665572	-122.1116717	MONITORING	22.89	10	15	EDF
T0600100023-MW-11	0	XYLENES	10/17/2018	UG/L	ND	0.5	37.6659563	-122.1115286	MONITORING	24.58	10	15	EDF
T0600100023-MW-11	0	XYLENES	4/5/2019	UG/L	ND	0.5	37.6659563	-122.1115286	MONITORING	24.58	10	15	EDF
T0600100023-MW-12	1.1	XYLENES	4/5/2019	UG/L	=	1	37.6662062	-122.1110086	MONITORING	24.43	10	25	EDF
T0600100023-MW-12	0	XYLENES	10/16/2018	UG/L	ND	1	37.6662062	-122.1110086	MONITORING	24.43	10	25	EDF
T0600100023-MW-2	2.6	XYLENES	10/17/2018	UG/L	=	2.5	37.6657543	-122.1111421	MONITORING	24.77	10	15	EDF
T0600100023-MW-2	5.7	XYLENES	4/8/2019	UG/L	=	2.5	37.6657543	-122.1111421	MONITORING	24.77	10	15	EDF
T0600100023-MW-3	0	XYLENES	10/16/2018	UG/L	ND	0.5	37.6657741	-122.1109271	MONITORING	24.49	10	15	EDF
T0600100023-MW-3	0	XYLENES	4/5/2019	UG/L	ND	0.5	37.6657741	-122.1109271	MONITORING	24.49	10	15	EDF
T0600100023-MW-4	0	XYLENES	4/5/2019	UG/L	ND	0.5	37.6658586	-122.111072	MONITORING	24.76	10	15	EDF
T0600100023-MW-4	0	XYLENES	10/17/2018	UG/L	ND	0.5	37.6658586	-122.111072	MONITORING	24.76	10	15	EDF
T0600100023-MW-5	0	XYLENES	10/17/2018	UG/L	ND	5	37.6658838	-122.1113597	MONITORING	23.7	10	15	EDF
T0600100023-MW-5	0	XYLENES	4/8/2019	UG/L	ND	5	37.6658838	-122.1113597	MONITORING	23.7	10	15	EDF
T0600100023-MW-6	0	XYLENES	10/17/2018	UG/L	ND	10	37.6657995	-122.1113563	MONITORING	23.84	10	15	EDF
T0600100023-MW-6	0	XYLENES	4/8/2019	UG/L	ND	10	37.6657995	-122.1113563	MONITORING	23.84	10	15	EDF
T0600100023-MW-7	0	XYLENES	10/17/2018	UG/L	ND	0.5	37.6659687	-122.1109735	MONITORING	26.91	11.8	15	EDF
T0600100023-MW-7	0	XYLENES	4/5/2019	UG/L	ND	0.5	37.6659687	-122.1109735	MONITORING	26.91	11.8	15	EDF
T0600100023-MW-8	0	XYLENES	4/5/2019	UG/L	ND	2.5	37.6659573	-122.1111887	MONITORING	21.1	10	15	EDF
T0600100023-MW-8	0	XYLENES	10/17/2018	UG/L	ND	2.5	37.6659573	-122.1111887	MONITORING	21.1	10	15	EDF
T0600100023-MW-9	0	XYLENES	4/5/2019	UG/L	ND	0.5	37.665776	-122.1116849	MONITORING	23.59	10	15	EDF
T0600100023-MW-9	0	XYLENES	10/16/2018	UG/L	ND	0.5	37.665776	-122.1116849	MONITORING	23.59	10	15	EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top Screen (FT)	Screen Length (FT)	Source
T0600100106-MW-1	0	XYLENES	11/16/2018	UG/L	ND	1	37.8505529	-122.2609217	MONITORING				EDF
T0600100106-MW-1	0	XYLENES	2/26/2019	UG/L	ND	1	37.8505529	-122.2609217	MONITORING				EDF
T0600100106-MW-1	0	XYLENES	9/12/2018	UG/L	ND	1	37.8505529	-122.2609217	MONITORING				EDF
T0600100106-MW-10	4.5	XYLENES	2/26/2019	UG/L	=	1	37.8500349	-122.2612052	MONITORING				EDF
T0600100106-MW-10	2.7	XYLENES	11/16/2018	UG/L	=	1	37.8500349	-122.2612052	MONITORING				EDF
T0600100106-MW-11	4.5	XYLENES	11/16/2018	UG/L	=	1	37.8500741	-122.2609207	MONITORING				EDF
T0600100106-MW-11	2.8	XYLENES	2/26/2019	UG/L	=	1	37.8500741	-122.2609207	MONITORING				EDF
T0600100106-MW-2	0	XYLENES	11/16/2018	UG/L	ND	1	37.850265	-122.260703	MONITORING				EDF
T0600100106-MW-2	0	XYLENES	9/12/2018	UG/L	ND	1	37.850265	-122.260703	MONITORING				EDF
T0600100106-MW-2	0	XYLENES	2/26/2019	UG/L	ND	1	37.850265	-122.260703	MONITORING				EDF
T0600100106-MW-3	7.9	XYLENES	2/26/2019	UG/L	=	1	37.8502241	-122.2613074	MONITORING				EDF
T0600100106-MW-3	0	XYLENES	9/12/2018	UG/L	ND	1	37.8502241	-122.2613074	MONITORING				EDF
T0600100106-MW-3	0	XYLENES	11/16/2018	UG/L	ND	1	37.8502241	-122.2613074	MONITORING				EDF
T0600100106-MW-4	64	XYLENES	9/12/2018	UG/L	=	10	37.8503259	-122.260995	MONITORING				EDF
T0600100106-MW-4	170	XYLENES	2/26/2019	UG/L	=	5	37.8503259	-122.260995	MONITORING				EDF
T0600100106-MW-4	49	XYLENES	11/16/2018	UG/L	=	10	37.8503259	-122.260995	MONITORING				EDF
T0600100106-MW-5	0	XYLENES	2/26/2019	UG/L	ND	1	37.8500028	-122.2614933	MONITORING				EDF
T0600100106-MW-5	0	XYLENES	11/16/2018	UG/L	ND	1	37.8500028	-122.2614933	MONITORING				EDF
T0600100106-MW-6	0	XYLENES	2/26/2019	UG/L	ND	1	37.8504109	-122.2613251	MONITORING				EDF
T0600100106-MW-6	0	XYLENES	11/16/2018	UG/L	ND	1	37.8504109	-122.2613251	MONITORING				EDF
T0600100106-MW-7	0	XYLENES	11/16/2018	UG/L	ND	1	37.8504703	-122.2606564	MONITORING				EDF
T0600100106-MW-7	0	XYLENES	9/12/2018	UG/L	ND	1	37.8504703	-122.2606564	MONITORING				EDF
T0600100106-MW-7	0	XYLENES	2/26/2019	UG/L	ND	1	37.8504703	-122.2606564	MONITORING				EDF
T0600100106-MW-8	0	XYLENES	9/12/2018	UG/L	ND	1	37.850354	-122.2606778	MONITORING				EDF
T0600100106-MW-8	0	XYLENES	2/26/2019	UG/L	ND	1	37.850354	-122.2606778	MONITORING				EDF
T0600100106-MW-8	0	XYLENES	11/16/2018	UG/L	ND	1	37.850354	-122.2606778	MONITORING				EDF
T0600100106-MW-9	0	XYLENES	11/16/2018	UG/L	ND	1	37.8503606	-122.2607613	MONITORING				EDF
T0600100106-MW-9	0	XYLENES	9/12/2018	UG/L	ND	1	37.8503606	-122.2607613	MONITORING				EDF
T0600100106-MW-9	0	XYLENES	2/26/2019	UG/L	ND	1	37.8503606	-122.2607613	MONITORING				EDF
T0600100174-MW-1	0	XYLENES	3/8/2019	UG/L	ND	3	37.8534345	-122.2895074	MONITORING	28.57	9.5	29.5	EDF
T0600100174-MW-1	0	XYLENES	9/13/2018	UG/L	ND	3	37.8534345	-122.2895074	MONITORING	28.57	9.5	29.5	EDF
T0600100174-MW-1	0	XYLENES	11/2/2018	UG/L	ND	3	37.8534345	-122.2895074	MONITORING	28.57	9.5	29.5	EDF
T0600100174-MW-2	0	XYLENES	9/13/2018	UG/L	ND	3	37.8532649	-122.2894574	MONITORING	29	9.5	29.5	EDF
T0600100174-MW-2	0	XYLENES	11/2/2018	UG/L	ND	3	37.8532649	-122.2894574	MONITORING	29	9.5	29.5	EDF
T0600100174-MW-2	0	XYLENES	3/8/2019	UG/L	ND	3	37.8532649	-122.2894574	MONITORING	29	9.5	29.5	EDF
T0600100174-MW-3	0	XYLENES	3/8/2019	UG/L	ND	3	37.8534552	-122.2889644	MONITORING	26.85	5.5	27.5	EDF
T0600100174-MW-3	0	XYLENES	9/13/2018	UG/L	ND	3	37.8534552	-122.2889644	MONITORING	26.85	5.5	27.5	EDF

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T0600100174-MW-3	0	XYLENES	11/2/2018	UG/L	ND	3	37.8534552	-122.2889644	MONITORING	26.85	5.5	27.5	EDF
T0600100174-MW-4	0	XYLENES	11/2/2018	UG/L	ND	3	37.8527471	-122.2888423	MONITORING	23.74	13	23	EDF
T0600100174-MW-4	0	XYLENES	3/8/2019	UG/L	ND	3	37.8527471	-122.2888423	MONITORING	23.74	13	23	EDF
T0600100174-MW-5	0	XYLENES	11/2/2018	UG/L	ND	3	37.8529153	-122.2881249	MONITORING	22.62	7	22	EDF
T0600100174-MW-5	0	XYLENES	3/8/2019	UG/L	ND	3	37.8529153	-122.2881249	MONITORING	22.62	7	22	EDF
T0600100174-MW-6	0	XYLENES	11/2/2018	UG/L	ND	3	37.8535593	-122.2883264	MONITORING	20.12	10	20	EDF
T0600100174-MW-6	0	XYLENES	3/8/2019	UG/L	ND	3	37.8535593	-122.2883264	MONITORING	20.12	10	20	EDF
T0600100213-MW-11	0	XYLENES	1/16/2019	UG/L	ND	3	37.7908152	-122.204726	MONITORING		11	15	EDF
T0600100213-MW-11	0	XYLENES	8/1/2018	UG/L	ND	3	37.7908152	-122.204726	MONITORING		11	15	EDF
T0600100213-MW-12	0	XYLENES	1/16/2019	UG/L	ND	3	37.7907498	-122.2044765	MONITORING				EDF
T0600100213-MW-13	0	XYLENES	1/16/2019	UG/L	ND	3	37.7910638	-122.204166	MONITORING				EDF
T0600100213-MW-2	0	XYLENES	8/1/2018	UG/L	ND	750	37.7914376	-122.2047025	MONITORING				EDF
T0600100213-MW-2	0	XYLENES	1/16/2019	UG/L	ND	750	37.7914376	-122.2047025	MONITORING				EDF
T0600100213-MW-3	0	XYLENES	1/16/2019	UG/L	ND	3	37.791623	-122.2049134	MONITORING				EDF
T0600100213-MW-4	0	XYLENES	1/16/2019	UG/L	ND	3	37.7917827	-122.2044747	MONITORING				EDF
T0600100213-MW-5	0	XYLENES	8/1/2018	UG/L	ND	3	37.7909404	-122.2047175	MONITORING				EDF
T0600100213-MW-6	0	XYLENES	1/16/2019	UG/L	ND	3	37.7916397	-122.2051005	MONITORING				EDF
T0600100213-MW-7	0	XYLENES	1/16/2019	UG/L	ND	3	37.7913625	-122.2043486	MONITORING				EDF
T0600100213-MW-8	405	XYLENES	8/1/2018	UG/L	=	3	37.7913583	-122.2049013	MONITORING				EDF
T0600100213-MW-8	182	XYLENES	1/16/2019	UG/L	=	3	37.7913583	-122.2049013	MONITORING				EDF
T0600100213-MW-9	2.72	XYLENES	8/1/2018	UG/L	=	3	37.7915281	-122.2049867	MONITORING				EDF
T0600100213-MW-9	1.4	XYLENES	1/16/2019	UG/L	=	3	37.7915281	-122.2049867	MONITORING				EDF
T0600100213-RW-1	0	XYLENES	1/16/2019	UG/L	ND	3	37.7914412	-122.2047068	MONITORING				EDF
T0600100213-RW-1	1.67	XYLENES	8/1/2018	UG/L	=	3	37.7914412	-122.2047068	MONITORING				EDF
T0600100217-MW-10	2280	XYLENES	3/13/2019	UG/L	=	300	37.7749082	-122.2118646	MONITORING				EDF
T0600100217-MW-10	4800	XYLENES	9/21/2018	UG/L	=	150	37.7749082	-122.2118646	MONITORING				EDF
T0600100217-MW-11	120	XYLENES	9/21/2018	UG/L	=	15	37.774949	-122.2119062	MONITORING				EDF
T0600100217-MW-11	79.5	XYLENES	3/13/2019	UG/L	=	3	37.774949	-122.2119062	MONITORING				EDF
T0600100217-MW-12	1110	XYLENES	9/21/2018	UG/L	=	1500	37.7749216	-122.2117638	MONITORING				EDF
T0600100217-MW-12	1050	XYLENES	3/13/2019	UG/L	=	75	37.7749216	-122.2117638	MONITORING				EDF
T0600100217-MW-3	0	XYLENES	3/13/2019	UG/L	ND	3	37.7749967	-122.2117942	MONITORING				EDF
T0600100217-MW-4	0	XYLENES	3/13/2019	UG/L	ND	3	37.7750895	-122.2120129	MONITORING				EDF
T0600100217-MW-5	297	XYLENES	3/13/2019	UG/L	=	150	37.7749003	-122.2118454	MONITORING				EDF
T0600100217-MW-5	593	XYLENES	9/21/2018	UG/L	=	150	37.7749003	-122.2118454	MONITORING				EDF
T0600100217-MW-6	0	XYLENES	3/13/2019	UG/L	ND	3	37.7751601	-122.2117221	MONITORING				EDF
T0600100217-MW-7	0	XYLENES	3/13/2019	UG/L	ND	3	37.7750187	-122.2116254	MONITORING				EDF
T0600100274-MW-1	0	XYLENES	1/23/2019	UG/L	ND	0.5	37.80314273	-122.2306376	MONITORING	24.27	12	13	EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top Screen (FT)	Screen Length (FT)	Source
T0600100274-MW-2	2.7	XYLENES	1/23/2019	UG/L	=	2.5	37.80323921	-122.2304715	MONITORING	35.99	16	20	EDF
T0600100274-MW-3	0	XYLENES	1/23/2019	UG/L	ND	0.5	37.80336379	-122.2304582	MONITORING	35.6	15.5	22.5	EDF
T0600100274-MW-4	1.9	XYLENES	1/23/2019	UG/L	=	1.2	37.80327411	-122.2305482	MONITORING	22.22	17	5	EDF
T0600100274-MW-5	0	XYLENES	1/23/2019	UG/L	ND	0.5	37.80320986	-122.2305313	MONITORING	22	17	5	EDF
T0600100274-MW-6	0	XYLENES	1/23/2019	UG/L	=	0.5	37.80329222	-122.2304247	MONITORING	22.27	17	5	EDF
T0600100274-MW-7	84	XYLENES	1/23/2019	UG/L	=	5	37.80316406	-122.2305723	MONITORING	21.16	16.5	5.5	EDF
T0600100292-C-11	0	XYLENES	12/18/2018	UG/L	ND	5	37.88033219	-122.295955	MONITORING	19.69			EDF
T0600100292-C-18	0	XYLENES	12/18/2018	UG/L	ND	5	37.88009983	-122.2963381	MONITORING	19.75			EDF
T0600100292-C-19	0	XYLENES	12/18/2018	UG/L	ND	5	37.87996258	-122.2967761	MONITORING	19.81			EDF
T0600100292-C-20	0	XYLENES	12/18/2018	UG/L	ND	5	37.88007451	-122.2968113	MONITORING	19.17			EDF
T0600100292-C-21	0	XYLENES	12/18/2018	UG/L	ND	5	37.88012673	-122.2971264	MONITORING	18.25			EDF
T0600100292-C-5	7	XYLENES	12/18/2018	UG/L	ND	50	37.8801284	-122.2962548	MONITORING	23.92			EDF
T0600100292-C-6	0	XYLENES	12/18/2018	UG/L	ND	5	37.8800541	-122.2960915	MONITORING	23.61			EDF
T0600100292-C-7	0.7	XYLENES	12/18/2018	UG/L	ND	5	37.88037958	-122.2960091	MONITORING	24.66			EDF
T0600100292-C-8	0	XYLENES	12/18/2018	UG/L	ND	100	37.88010701	-122.2961539	MONITORING	18.6			EDF
T0600100292-C-9	4	XYLENES	12/18/2018	UG/L	ND	5	37.88006447	-122.2959154	MONITORING	19.02			EDF
T0600100292-MW-2	3	XYLENES	12/18/2018	UG/L	ND	5	37.8802191	-122.2962691	MONITORING	26.72			EDF
T0600100292-MW-3	2	XYLENES	12/18/2018	UG/L	ND	5	37.8802574	-122.2963088	MONITORING	27.49			EDF
T0600100313-MW-4	0	XYLENES	4/29/2019	UG/L	ND	5	37.81083091	-122.2608176	MONITORING	13.82			EDF
T0600100313-MW-4	0	XYLENES	11/20/2018	UG/L	ND	5	37.81083091	-122.2608176	MONITORING	13.82			EDF
T0600100313-MW-5	2000	XYLENES	11/20/2018	UG/L	=	50	37.81079224	-122.2606943	MONITORING	11.09			EDF
T0600100313-MW-5	2200	XYLENES	4/29/2019	UG/L	=	25	37.81079224	-122.2606943	MONITORING	11.09			EDF
T0600100313-MW-6	0	XYLENES	11/20/2018	UG/L	ND	5	37.81091354	-122.261041	MONITORING	7.99			EDF
T0600100313-MW-6	0	XYLENES	4/29/2019	UG/L	ND	5	37.81091354	-122.261041	MONITORING	7.99			EDF
T0600100313-MW-8	0	XYLENES	11/20/2018	UG/L	ND	5	37.81053227	-122.2607443	MONITORING	7.78			EDF
T0600100313-MW-8	0	XYLENES	4/29/2019	UG/L	ND	5	37.81053227	-122.2607443	MONITORING	7.78			EDF
T0600100328-MW-1	0	XYLENES	2/27/2019	UG/L	ND	5	37.8091174	-122.2469622	MONITORING	18.97			EDF
T0600100328-MW-1	0	XYLENES	9/22/2018	UG/L	ND	5	37.8091174	-122.2469622	MONITORING	18.97			EDF
T0600100328-MW-10	0	XYLENES	9/22/2018	UG/L	ND	50	37.8088985	-122.2478081	MONITORING	18.96			EDF
T0600100328-MW-10	0	XYLENES	2/27/2019	UG/L	ND	5	37.8088985	-122.2478081	MONITORING	18.96			EDF
T0600100328-MW-2A	0	XYLENES	9/22/2018	UG/L	ND	5	37.8092243	-122.2469455	MONITORING	16.57			EDF
T0600100328-MW-2A	0	XYLENES	2/27/2019	UG/L	ND	100	37.8092243	-122.2469455	MONITORING	16.57			EDF
T0600100328-MW-3A	0	XYLENES	2/27/2019	UG/L	ND	25	37.8091933	-122.2465672	MONITORING	17.83			EDF
T0600100328-MW-3A	0	XYLENES	9/22/2018	UG/L	ND	5	37.8091933	-122.2465672	MONITORING	17.83			EDF
T0600100328-MW-4A	4	XYLENES	9/22/2018	UG/L	ND	5	37.8092631	-122.2466188	MONITORING	18.35			EDF
T0600100328-MW-4A	9	XYLENES	2/27/2019	UG/L	ND	50	37.8092631	-122.2466188	MONITORING	18.35			EDF
T0600100328-MW-5	0	XYLENES	9/22/2018	UG/L	ND	5	37.8089761	-122.2468142	MONITORING	32.53			EDF

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T0600100328-MW-5	0	XYLENES	2/27/2019	UG/L	ND	5	37.8089761	-122.2468142	MONITORING	32.53			EDF
T0600100328-MW-6	0	XYLENES	2/27/2019	UG/L	ND	50	37.8089395	-122.2475677	MONITORING	18.11			EDF
T0600100328-MW-6	0	XYLENES	9/22/2018	UG/L	ND	50	37.8089395	-122.2475677	MONITORING	18.11			EDF
T0600100328-MW-8	0	XYLENES	2/27/2019	UG/L	ND	25	37.809267	-122.2464508	MONITORING	24.79			EDF
T0600100328-MW-9	0	XYLENES	9/22/2018	UG/L	ND	5	37.8091898	-122.2470611	MONITORING	14.22			EDF
T0600100328-MW-9	0	XYLENES	2/27/2019	UG/L	ND	5	37.8091898	-122.2470611	MONITORING	14.22			EDF
T0600100330-C-1	160	XYLENES	3/15/2019	UG/L	=	100	37.76342039	-122.2266795	MONITORING	16.92			EDF
T0600100330-C-3	0	XYLENES	3/15/2019	UG/L	ND	5	37.76356994	-122.2269215	MONITORING	18.84			EDF
T0600100330-MW-10	0	XYLENES	3/15/2019	UG/L	ND	5	37.76325349	-122.2263664	MONITORING	8.91			EDF
T0600100330-MW-10	0	XYLENES	8/27/2018	UG/L	ND	5	37.76325349	-122.2263664	MONITORING	8.91			EDF
T0600100330-MW-4	0	XYLENES	3/15/2019	UG/L	ND	5	37.76325662	-122.2266829	MONITORING	12.81			EDF
T0600100330-MW-5	0	XYLENES	8/27/2018	UG/L	ND	5	37.76330726	-122.2268681	MONITORING	12.31			EDF
T0600100330-MW-5	0	XYLENES	3/15/2019	UG/L	ND	5	37.76330726	-122.2268681	MONITORING	12.31			EDF
T0600100330-MW-6	0	XYLENES	8/27/2018	UG/L	ND	5	37.763539	-122.2266053	MONITORING	13.53			EDF
T0600100330-MW-6	0	XYLENES	3/15/2019	UG/L	ND	5	37.763539	-122.2266053	MONITORING	13.53			EDF
T0600100330-MW-7	4	XYLENES	8/27/2018	UG/L	ND	5	37.76331791	-122.226471	MONITORING	5.75			EDF
T0600100330-MW-7	0	XYLENES	3/15/2019	UG/L	ND	5	37.76331791	-122.226471	MONITORING	5.75			EDF
T0600100330-MW-8	0	XYLENES	3/15/2019	UG/L	ND	5	37.76354224	-122.2263059	MONITORING	9.14			EDF
T0600100330-MW-9	0	XYLENES	3/15/2019	UG/L	ND	5	37.76341492	-122.2259949	MONITORING	8.55			EDF
T0600100333-MW-2	0	XYLENES	12/14/2018	UG/L	ND	5	37.77343265	-122.2226881	MONITORING	19.46	5	15	EDF
T0600100333-MW-3	0	XYLENES	12/14/2018	UG/L	ND	5	37.77362282	-122.2225179	MONITORING	17.95	5	15	EDF
T0600100333-MW-4	0	XYLENES	12/14/2018	UG/L	ND	5	37.77327809	-122.2225081	MONITORING	17.83	7	13	EDF
T0600100333-VH-1	0.6	XYLENES	12/14/2018	UG/L	ND	5	37.77354448	-122.2228541	MONITORING	28.96	10	20	EDF
T0600100339-C-1	0	XYLENES	3/13/2019	UG/L	ND	50	37.774896	-122.2122443	MONITORING	38.05			EDF
T0600100339-C-1	0	XYLENES	9/21/2018	UG/L	ND	5	37.774896	-122.2122443	MONITORING	38.05			EDF
T0600100339-C-10	0	XYLENES	3/13/2019	UG/L	ND	5	37.7746722	-122.2120301	MONITORING	29.8			EDF
T0600100339-C-10	0	XYLENES	9/21/2018	UG/L	ND	5	37.7746722	-122.2120301	MONITORING	29.8			EDF
T0600100339-C-11	0	XYLENES	9/21/2018	UG/L	ND	5	37.7729656	-122.2123831	MONITORING	19.6			EDF
T0600100339-C-11	0	XYLENES	3/13/2019	UG/L	ND	5	37.7729656	-122.2123831	MONITORING	19.6			EDF
T0600100339-C-13	0	XYLENES	3/13/2019	UG/L	ND	5	37.774808	-122.2124666	MONITORING	19			EDF
T0600100339-C-13	0	XYLENES	9/21/2018	UG/L	ND	5	37.774808	-122.2124666	MONITORING	19			EDF
T0600100339-C-2	100	XYLENES	3/13/2019	UG/L	=	50	37.7745271	-122.2123036	MONITORING	36.3			EDF
T0600100339-C-2	8	XYLENES	9/21/2018	UG/L	ND	50	37.7745271	-122.2123036	MONITORING	36.3			EDF
T0600100339-C-3	0	XYLENES	9/21/2018	UG/L	ND	5	37.7745947	-122.2124889	MONITORING	39.15			EDF
T0600100339-C-3	0	XYLENES	3/13/2019	UG/L	ND	5	37.7745947	-122.2124889	MONITORING	39.15			EDF
T0600100339-C-4	24	XYLENES	9/21/2018	UG/L	=	5	37.7743799	-122.2123715	MONITORING	36.52			EDF
T0600100339-C-4	47	XYLENES	3/13/2019	UG/L	ND	100	37.7743799	-122.2123715	MONITORING	36.52			EDF

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T0600100339-C-6	0	XYLENES	9/21/2018	UG/L	ND	5	37.7741784	-122.2126486	MONITORING	53.65			EDF
T0600100339-C-6	0	XYLENES	3/13/2019	UG/L	ND	5	37.7741784	-122.2126486	MONITORING	53.65			EDF
T0600100339-C-7	0	XYLENES	9/21/2018	UG/L	ND	5	37.7739615	-122.212475	MONITORING	50.93			EDF
T0600100339-C-7	0	XYLENES	3/13/2019	UG/L	ND	5	37.7739615	-122.212475	MONITORING	50.93			EDF
T0600100339-C-8	0	XYLENES	3/13/2019	UG/L	ND	5	37.773852	-122.2129805	MONITORING	56.01			EDF
T0600100339-C-9	0	XYLENES	9/21/2018	UG/L	ND	5	37.773664	-122.2127039	MONITORING				EDF
T0600100406-MW-13	2.4	XYLENES	10/19/2018	UG/L	=	0.5	37.8204078	-122.2608841	MONITORING	39.5	25	15	EDF
T0600100406-MW-20	1400	XYLENES	10/18/2018	UG/L	=	25	37.820715	-122.262152	MONITORING		10	10	EDF
T0600100406-MW-21	2200	XYLENES	10/18/2018	UG/L	=	100	37.820596	-122.262089	MONITORING		10	10	EDF
T0600100406-MW-23	28	XYLENES	10/19/2018	UG/L	=	10	37.820362	-122.261755	MONITORING		12	10	EDF
T0600100406-MW-24	5200	XYLENES	10/19/2018	UG/L	=	25	37.820402	-122.261631	MONITORING		11	10	EDF
T0600100406-MW-25	0.67	XYLENES	10/19/2018	UG/L	=	0.5	37.82036	-122.261317	MONITORING		19	10	EDF
T0600100406-MW-26	0	XYLENES	10/19/2018	UG/L	ND	0.5	37.820199	-122.261421	MONITORING		12	10	EDF
T0600100406-MW-27	0	XYLENES	10/19/2018	UG/L	ND	0.5	37.820013	-122.261538	MONITORING		21	10	EDF
T0600100466-MW1	0	XYLENES	3/28/2019	UG/L	ND	0.5	37.8479589	-122.2528098	MONITORING		10	20	EDF
T0600100466-MW2	0.73	XYLENES	3/28/2019	UG/L	=	0.5	37.8472908	-122.2527886	MONITORING		8	20	EDF
T0600100466-MW2	0.67	XYLENES	3/28/2019	UG/L	=	0.5	37.8472908	-122.2527886	MONITORING		8	20	EDF
T0600100466-MW3	7.2	XYLENES	3/28/2019	UG/L	=	0.5	37.8471009	-122.2523813	MONITORING		7	20	EDF
T0600100466-MW4	0	XYLENES	3/28/2019	UG/L	ND	0.5	37.8470643	-122.2525015	MONITORING		7	20	EDF
T0600100466-MW5	3.7	XYLENES	3/28/2019	UG/L	=	0.5	37.847245	-122.252902	MONITORING		9	20	EDF
T0600100466-MW6	0	XYLENES	3/28/2019	UG/L	ND	0.5	37.8471859	-122.2521899	MONITORING		9	20	EDF
T0600100472-EW-1	0	XYLENES	1/3/2019	UG/L	ND	1	37.6284142	-122.0553945	MONITORING				EDF
T0600100472-EW-1	0	XYLENES	9/12/2018	UG/L	ND	1	37.6284142	-122.0553945	MONITORING				EDF
T0600100472-EW-1	0	XYLENES	4/16/2019	UG/L	ND	1	37.6284142	-122.0553945	MONITORING				EDF
T0600100472-EW-2	0	XYLENES	1/3/2019	UG/L	ND	1	37.62855971	-122.0555902	MONITORING		5	10	EDF
T0600100472-EW-2	0	XYLENES	4/16/2019	UG/L	ND	1	37.62855971	-122.0555902	MONITORING		5	10	EDF
T0600100472-EW-2	0	XYLENES	9/11/2018	UG/L	ND	1	37.62855971	-122.0555902	MONITORING		5	10	EDF
T0600100472-EW-3	0	XYLENES	1/3/2019	UG/L	ND	1	37.62858284	-122.0553087	MONITORING		5	10	EDF
T0600100472-EW-3	0	XYLENES	4/16/2019	UG/L	ND	1	37.62858284	-122.0553087	MONITORING		5	10	EDF
T0600100472-EW-3	0	XYLENES	9/11/2018	UG/L	ND	1	37.62858284	-122.0553087	MONITORING		5	10	EDF
T0600100472-EW-4	0	XYLENES	9/11/2018	UG/L	ND	1	37.62848493	-122.0553185	MONITORING		5	10	EDF
T0600100472-EW-4	0	XYLENES	4/17/2019	UG/L	ND	1	37.62848493	-122.0553185	MONITORING		5	10	EDF
T0600100472-EW-4	0	XYLENES	1/3/2019	UG/L	ND	1	37.62848493	-122.0553185	MONITORING		5	10	EDF
T0600100472-EW-5	0	XYLENES	9/11/2018	UG/L	ND	1	37.62852909	-122.0552461	MONITORING		5	10	EDF
T0600100472-EW-5	0	XYLENES	4/17/2019	UG/L	ND	1	37.62852909	-122.0552461	MONITORING		5	10	EDF
T0600100472-EW-5	0	XYLENES	1/3/2019	UG/L	ND	1	37.62852909	-122.0552461	MONITORING		5	10	EDF
T0600100472-EW-6	0	XYLENES	9/12/2018	UG/L	ND	1	37.62815311	-122.0554619	MONITORING		5	10	EDF

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T0600100472-EW-6	0	XYLENES	4/17/2019	UG/L	ND	1	37.62815311	-122.0554619	MONITORING		5	10	EDF
T0600100472-EW-6	0	XYLENES	1/4/2019	UG/L	ND	1	37.62815311	-122.0554619	MONITORING		5	10	EDF
T0600100472-EW-7	0	XYLENES	4/17/2019	UG/L	ND	1	37.62825246	-122.0552671	MONITORING		5	10	EDF
T0600100472-EW-7	0	XYLENES	9/12/2018	UG/L	ND	1	37.62825246	-122.0552671	MONITORING		5	10	EDF
T0600100472-EW-7	0	XYLENES	1/4/2019	UG/L	ND	1	37.62825246	-122.0552671	MONITORING		5	10	EDF
T0600100472-MW-V	0	XYLENES	1/3/2019	UG/L	ND	1	37.6285227	-122.0556238	MONITORING				EDF
T0600100472-MW-V	0	XYLENES	9/11/2018	UG/L	ND	1	37.6285227	-122.0556238	MONITORING				EDF
T0600100472-MW-V	0	XYLENES	4/16/2019	UG/L	ND	1	37.6285227	-122.0556238	MONITORING				EDF
T0600100472-MW-W	0	XYLENES	4/16/2019	UG/L	ND	1	37.6284557	-122.0555571	MONITORING				EDF
T0600100472-MW-X	0	XYLENES	4/16/2019	UG/L	ND	1	37.6283936	-122.0554982	MONITORING				EDF
T0600100472-MW-X	0	XYLENES	9/12/2018	UG/L	ND	1	37.6283936	-122.0554982	MONITORING				EDF
T0600100472-MW-X	0	XYLENES	1/4/2019	UG/L	ND	1	37.6283936	-122.0554982	MONITORING				EDF
T0600100472-MW-Y	0	XYLENES	4/17/2019	UG/L	ND	1	37.6284395	-122.055306	MONITORING				EDF
T0600100472-MW-Y	0	XYLENES	1/4/2019	UG/L	ND	1	37.6284395	-122.055306	MONITORING				EDF
T0600100472-MW-Y	0	XYLENES	9/12/2018	UG/L	ND	1	37.6284395	-122.055306	MONITORING				EDF
T0600100472-MW-Z	2.8	XYLENES	1/4/2019	UG/L	=	1	37.6286319	-122.055285	MONITORING				EDF
T0600100472-MW-Z	0	XYLENES	4/16/2019	UG/L	ND	1	37.6286319	-122.055285	MONITORING				EDF
T0600100472-MW-Z	0	XYLENES	9/12/2018	UG/L	ND	1	37.6286319	-122.055285	MONITORING				EDF
T0600100666-BC-01	0	XYLENES	8/21/2018	UG/L	ND	2.5	37.8109485	-122.2742193	MONITORING			20	EDF
T0600100666-BC-03	0	XYLENES	8/21/2018	UG/L	ND	0.5	37.8108495	-122.2743629	MONITORING			20	EDF
T0600100666-ES-01	63	XYLENES	8/21/2018	UG/L	=	25	37.8109902	-122.2742747	MONITORING		11	20	EDF
T0600100666-ES-02	32	XYLENES	8/21/2018	UG/L	=	25	37.8108756	-122.2742517	MONITORING		11	20	EDF
T0600100666-ES-03	130	XYLENES	8/20/2018	UG/L	=	25	37.8107773	-122.2744085	MONITORING		14.5	20	EDF
T0600100666-ES-04	0	XYLENES	8/21/2018	UG/L	ND	1	37.8110522	-122.2741834	MONITORING		11	20	EDF
T0600100666-ES-05	150	XYLENES	8/21/2018	UG/L	=	25	37.8109154	-122.2743359	MONITORING		11	20	EDF
T0600100666-ES-06	0	XYLENES	8/20/2018	UG/L	ND	0.5	37.8107719	-122.2739456	MONITORING		14.5	20	EDF
T0600100666-ES-07	0	XYLENES	8/20/2018	UG/L	ND	0.5	37.8105923	-122.2745302	MONITORING		14.5	20	EDF
T0600100666-ES-08	0	XYLENES	8/22/2018	UG/L	ND	0.5	37.8109332	-122.2745281	MONITORING		14.5	20	EDF
T0600100666-ES-09	0	XYLENES	8/22/2018	UG/L	ND	0.5	37.8111665	-122.2743792	MONITORING		14.5	20	EDF
T0600100666-ES-11	0	XYLENES	8/20/2018	UG/L	ND	0.5	37.8111729	-122.2740538	MONITORING		14.4	20	EDF
T0600100939-IW-3	0	XYLENES	8/29/2018	UG/L	ND	1	37.7328033	-122.2012724	MONITORING		4	5	EDF
T0600100939-IW-4	0	XYLENES	8/28/2018	UG/L	ND	1	37.7325278	-122.2015582	MONITORING		5	5	EDF
T0600100939-IW-5	0	XYLENES	8/28/2018	UG/L	ND	1	37.7325485	-122.2014871	MONITORING		5	5	EDF
T0600100939-IW-6	0	XYLENES	8/29/2018	UG/L	ND	1	37.7325689	-122.2014142	MONITORING		5	5	EDF
T0600100939-MW-10	0	XYLENES	8/29/2018	UG/L	ND	1	37.7323398	-122.2015743	MONITORING		2	10	EDF
T0600100939-MW-11	0	XYLENES	8/28/2018	UG/L	ND	1	37.7322421	-122.2019319	MONITORING		3	10	EDF
T0600100939-MW-13	0	XYLENES	8/27/2018	UG/L	ND	1	37.732761	-122.2013544	MONITORING		4	5	EDF

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T0600100939-MW-14	0	XYLENES	8/28/2018	UG/L	ND	1	37.7326241	-122.201434	MONITORING		4	5	EDF
T0600100939-MW-3	0	XYLENES	8/29/2018	UG/L	ND	1	37.7325348	-122.2014612	MONITORING				EDF
T0600100939-MW-30	0	XYLENES	8/28/2018	UG/L	ND	1	37.7332384	-122.2017806	MONITORING		2	10	EDF
T0600100939-MW-31	0	XYLENES	8/28/2018	UG/L	ND	1	37.7330824	-122.2015645	MONITORING		2	10	EDF
T0600100939-MW-32	0	XYLENES	8/28/2018	UG/L	ND	1	37.7331272	-122.2009931	MONITORING		5	10	EDF
T0600100939-MW-33	0	XYLENES	8/28/2018	UG/L	ND	1	37.7326924	-122.2009461	MONITORING		4	15	EDF
T0600100939-MW-34	0	XYLENES	9/14/2018	UG/L	ND	0.5	37.7324507	-122.2011282	MONITORING		4	15	EDF
T0600100939-MW-4	0	XYLENES	8/28/2018	UG/L	ND	1	37.7325163	-122.2015892	MONITORING		5	13	EDF
T0600100939-MW-8	0	XYLENES	8/27/2018	UG/L	ND	1	37.7330044	-122.2012886	MONITORING		2	10	EDF
T0600100939-MW-9	0	XYLENES	8/28/2018	UG/L	ND	1	37.7326216	-122.2018663	MONITORING		3	10	EDF
T0600100980-MW-10	0	XYLENES	1/23/2019	UG/L	ND	0.5	37.7662329	-122.2432006	MONITORING	13.15	6.5	10	EDF
T0600100980-MW-10	0	XYLENES	8/8/2018	UG/L	ND	0.5	37.7662329	-122.2432006	MONITORING	13.15	6.5	10	EDF
T0600100980-MW-12	0	XYLENES	1/24/2019	UG/L	ND	0.5	37.7662626	-122.2427358	MONITORING	24.57	14	10	EDF
T0600100980-MW-12	17	XYLENES	8/8/2018	UG/L	=	10	37.7662626	-122.2427358	MONITORING	24.57	14	10	EDF
T0600100980-MW-13	1.2	XYLENES	8/9/2018	UG/L	=	0.5	37.7659687	-122.2429106	MONITORING	20.34	15	5	EDF
T0600100980-MW-13	0	XYLENES	1/24/2019	UG/L	ND	0.5	37.7659687	-122.2429106	MONITORING	20.34	15	5	EDF
T0600100980-MW-14	0	XYLENES	8/9/2018	UG/L	ND	25	37.7660164	-122.2428992	MONITORING	11.73	5	10	EDF
T0600100980-MW-14	0	XYLENES	1/24/2019	UG/L	ND	0.5	37.7660164	-122.2428992	MONITORING	11.73	5	10	EDF
T0600100980-MW-15	0.54	XYLENES	1/23/2019	UG/L	=	0.5	37.7661389	-122.2427194	MONITORING	29.64	20	10	EDF
T0600100980-MW-15	0	XYLENES	8/8/2018	UG/L	ND	0.5	37.7661389	-122.2427194	MONITORING	29.64	20	10	EDF
T0600100980-MW-16	0	XYLENES	1/23/2019	UG/L	ND	0.5	37.7660495	-122.2427347	MONITORING	29.64	20	10	EDF
T0600100980-MW-16	0	XYLENES	8/8/2018	UG/L	ND	0.5	37.7660495	-122.2427347	MONITORING	29.64	20	10	EDF
T0600100980-MW-2R	7800	XYLENES	1/24/2019	UG/L	=	100	37.7661169	-122.2430355	MONITORING	25.13	5	20	EDF
T0600100980-MW-2R	20000	XYLENES	8/9/2018	UG/L	=	100	37.7661169	-122.2430355	MONITORING	25.13	5	20	EDF
T0600100980-MW-4R	0	XYLENES	8/8/2018	UG/L	ND	0.5	37.7660462	-122.2431537	MONITORING	25.2	5	20	EDF
T0600100980-MW-4R	0	XYLENES	1/23/2019	UG/L	ND	0.5	37.7660462	-122.2431537	MONITORING	25.2	5	20	EDF
T0600100980-MW-5R	6200	XYLENES	1/24/2019	UG/L	=	50	37.7661174	-122.243104	MONITORING	23.84	5	20	EDF
T0600100980-MW-5R	12000	XYLENES	8/9/2018	UG/L	=	50	37.7661174	-122.243104	MONITORING	23.84	5	20	EDF
T0600100980-MW-6R	0	XYLENES	8/8/2018	UG/L	ND	0.5	37.7661816	-122.243058	MONITORING	25.25	5	20	EDF
T0600100980-MW-6R	0	XYLENES	1/23/2019	UG/L	ND	0.5	37.7661816	-122.243058	MONITORING	25.25	5	20	EDF
T0600100980-MW-7R	16000	XYLENES	1/24/2019	UG/L	=	100	37.7661213	-122.2429605	MONITORING	25.29	5	20	EDF
T0600100980-MW-7R	18000	XYLENES	8/9/2018	UG/L	=	100	37.7661213	-122.2429605	MONITORING	25.29	5	20	EDF
T0600100980-MW-8	10	XYLENES	8/9/2018	UG/L	=	0.5	37.7658657	-122.2432462	MONITORING	14.09	5	9	EDF
T0600100980-MW-8	1.9	XYLENES	1/24/2019	UG/L	=	0.5	37.7658657	-122.2432462	MONITORING	14.09	5	9	EDF
T0600100980-MW-9	0	XYLENES	8/8/2018	UG/L	ND	0.5	37.7663239	-122.2430444	MONITORING	14.88	5	15	EDF
T0600100980-MW-9	0	XYLENES	1/23/2019	UG/L	ND	0.5	37.7663239	-122.2430444	MONITORING	14.88	5	15	EDF
T0600101065-S-10	0	XYLENES	12/11/2018	UG/L	ND	1	37.7742054	-122.2114511	MONITORING		20	15	EDF

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T0600101065-S-11	0	XYLENES	12/11/2018	UG/L	ND	1	37.7741079	-122.2115341	MONITORING		20	15	EDF
T0600101065-S-12	0	XYLENES	12/11/2018	UG/L	ND	1	37.7740247	-122.2116421	MONITORING		20	15	EDF
T0600101065-S-13	6100	XYLENES	12/11/2018	UG/L	=	200	37.7742009	-122.2119237	MONITORING		4	15	EDF
T0600101065-S-14	53	XYLENES	12/11/2018	UG/L	=	1	37.7742694	-122.2120619	MONITORING		4	15	EDF
T0600101065-S-6	13	XYLENES	12/11/2018	UG/L	=	5	37.7743845	-122.2116358	MONITORING				EDF
T0600101065-S-7	880	XYLENES	12/11/2018	UG/L	=	100	37.7742309	-122.2117524	MONITORING				EDF
T0600101065-S-8	3500	XYLENES	12/11/2018	UG/L	=	100	37.7743102	-122.2119856	MONITORING				EDF
T0600101065-S-9	33	XYLENES	12/11/2018	UG/L	=	1	37.7741661	-122.2118016	MONITORING				EDF
T0600101212-EW1A	0.56	XYLENES	8/21/2018	UG/L	=	0.5	37.78226872	-122.2368731	MONITORING		8	22	EDF
T0600101212-EW1A	0.81	XYLENES	12/18/2018	UG/L	=	0.5	37.78226872	-122.2368731	MONITORING		8	22	EDF
T0600101212-MW1A	1.5	XYLENES	12/18/2018	UG/L	=	1	37.78233671	-122.2367626	MONITORING		5	15	EDF
T0600101212-MW1A	0	XYLENES	8/21/2018	UG/L	ND	5	37.78233671	-122.2367626	MONITORING		5	15	EDF
T0600101212-MW2	5.7	XYLENES	12/18/2018	UG/L	=	5	37.78225768	-122.236958	MONITORING		4	15	EDF
T0600101212-MW2	9.5	XYLENES	8/21/2018	UG/L	=	5	37.78225768	-122.236958	MONITORING		4	15	EDF
T0600101212-MW3	0	XYLENES	12/18/2018	UG/L	ND	5	37.78232004	-122.2368981	MONITORING		4	15	EDF
T0600101212-MW3	0	XYLENES	8/21/2018	UG/L	ND	5	37.78232004	-122.2368981	MONITORING		4	15	EDF
T0600101212-MW4A	0	XYLENES	12/18/2018	UG/L	ND	0.5	37.78240448	-122.2369698	MONITORING		5	15	EDF
T0600101212-MW4A	0	XYLENES	8/21/2018	UG/L	ND	0.5	37.78240448	-122.2369698	MONITORING		5	15	EDF
T0600101212-MW5A	0.56	XYLENES	12/18/2018	UG/L	=	0.5	37.78230469	-122.2370757	MONITORING		5	15	EDF
T0600101212-MW5A	0.52	XYLENES	8/20/2018	UG/L	=	0.5	37.78230469	-122.2370757	MONITORING		5	15	EDF
T0600101212-MW6A	0	XYLENES	12/18/2018	UG/L	ND	2.5	37.78220744	-122.2368668	MONITORING		5	15	EDF
T0600101212-MW6A	0	XYLENES	8/21/2018	UG/L	ND	0.5	37.78220744	-122.2368668	MONITORING		5	15	EDF
T0600101212-MW7	0	XYLENES	12/18/2018	UG/L	ND	0.5	37.78277259	-122.237452	MONITORING		5	15	EDF
T0600101212-MW7	0	XYLENES	8/20/2018	UG/L	ND	0.5	37.78277259	-122.237452	MONITORING		5	15	EDF
T0600101212-MW8	16	XYLENES	8/20/2018	UG/L	=	0.5	37.78225504	-122.2372479	MONITORING		5	15	EDF
T0600101212-MW8	0	XYLENES	12/18/2018	UG/L	ND	1.2	37.78225504	-122.2372479	MONITORING		5	15	EDF
T0600101354-MW6B	27	XYLENES	8/17/2018	UG/L	=	5	37.811749	-122.2692353	MONITORING				EDF
T0600101354-MW6B	15	XYLENES	8/23/2018	UG/L	=	4	37.811749	-122.2692353	MONITORING				EDF
T0600101354-MW6E	0	XYLENES	8/17/2018	UG/L	ND	0.5	37.8114699	-122.2694622	MONITORING				EDF
T0600101354-MW6E	0	XYLENES	8/23/2018	UG/L	ND	0.5	37.8114699	-122.2694622	MONITORING				EDF
T0600101354-MW6F	0	XYLENES	8/23/2018	UG/L	ND	0.5	37.8115294	-122.2696738	MONITORING				EDF
T0600101354-MW6F	0	XYLENES	8/17/2018	UG/L	ND	0.5	37.8115294	-122.2696738	MONITORING				EDF
T0600101354-MW6G	0	XYLENES	8/17/2018	UG/L	ND	0.5	37.8118543	-122.2694954	MONITORING				EDF
T0600101354-MW6G	0	XYLENES	8/23/2018	UG/L	ND	0.5	37.8118543	-122.2694954	MONITORING				EDF
T0600101354-MW6H	35	XYLENES	8/23/2018	UG/L	=	5	37.8115921	-122.2692085	MONITORING				EDF
T0600101354-MW6H	66	XYLENES	8/20/2018	UG/L	=	5	37.8115921	-122.2692085	MONITORING				EDF
T0600101354-MW6KB	0.85	XYLENES	8/17/2018	UG/L	=	0.5	37.811753	-122.2693055	MONITORING				EDF

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T0600101354-MW6KB	5.4	XYLENES	8/23/2018	UG/L	=	0.5	37.811753	-122.2693055	MONITORING				EDF
T0600101354-MW6LB	640	XYLENES	8/17/2018	UG/L	=	5	37.8117004	-122.2692792	MONITORING				EDF
T0600101354-MW6LB	240	XYLENES	8/23/2018	UG/L	=	5	37.8117004	-122.2692792	MONITORING				EDF
T0600101354-RW1	5.9	XYLENES	8/20/2018	UG/L	=	1	37.8115676	-122.2692665	MONITORING				EDF
T0600101354-RW1	2.1	XYLENES	8/23/2018	UG/L	=	0.5	37.8115676	-122.2692665	MONITORING				EDF
T0600101354-RW2	0	XYLENES	8/23/2018	UG/L	ND	0.5	37.81147	-122.269355	MONITORING				EDF
T0600101354-RW2	0	XYLENES	8/17/2018	UG/L	ND	0.5	37.81147	-122.269355	MONITORING				EDF
T0600101354-RW3A	0	XYLENES	8/17/2018	UG/L	ND	0.5	37.8117034	-122.2694594	MONITORING				EDF
T0600101354-RW3A	0	XYLENES	8/23/2018	UG/L	ND	2	37.8117034	-122.2694594	MONITORING				EDF
T0600101462-MW-4	0	XYLENES	9/18/2018	UG/L	ND	1	37.62053679	-122.090061	MONITORING	24.6			EDF
T0600101462-MW-5	0	XYLENES	9/19/2018	UG/L	ND	1	37.62029539	-122.0899704	MONITORING	24.1			EDF
T0600101462-MW-6	0	XYLENES	9/18/2018	UG/L	ND	1	37.62041496	-122.090041	MONITORING	18			EDF
T0600101471-MW-1	0	XYLENES	9/22/2018	UG/L	ND	1	37.82761092	-122.2571456	MONITORING	50	5	15	EDF
T0600101471-MW-1	180	XYLENES	3/8/2019	UG/L	=	20	37.82761092	-122.2571456	MONITORING	50	5	15	EDF
T0600101471-MW-10	0	XYLENES	9/22/2018	UG/L	ND	1	37.82700741	-122.256785	MONITORING	21.68	6	16	EDF
T0600101471-MW-10	0	XYLENES	3/8/2019	UG/L	ND	1	37.82700741	-122.256785	MONITORING	21.68	6	16	EDF
T0600101471-MW-11	0	XYLENES	3/8/2019	UG/L	ND	1	37.82710406	-122.2577798	MONITORING	19.11	5	14	EDF
T0600101471-MW-12	0	XYLENES	9/22/2018	UG/L	ND	1	37.82685099	-122.2572995	MONITORING	17.67	5	12.5	EDF
T0600101471-MW-12	0	XYLENES	3/8/2019	UG/L	ND	1	37.82685099	-122.2572995	MONITORING	17.67	5	12.5	EDF
T0600101471-MW-2	0	XYLENES	3/8/2019	UG/L	ND	1	37.82752306	-122.2573559	MONITORING	19.81	5	15	EDF
T0600101471-MW-2	0	XYLENES	9/22/2018	UG/L	ND	1	37.82752306	-122.2573559	MONITORING	19.81	5	15	EDF
T0600101471-MW-3	0	XYLENES	3/8/2019	UG/L	ND	1	37.82740618	-122.2571344	MONITORING	51.53	5	17.5	EDF
T0600101471-MW-3	0	XYLENES	9/22/2018	UG/L	ND	1	37.82740618	-122.2571344	MONITORING	51.53	5	17.5	EDF
T0600101471-MW-4	0	XYLENES	3/8/2019	UG/L	ND	1	37.82738425	-122.2570086	MONITORING	49.4	5	15	EDF
T0600101471-MW-4	0	XYLENES	9/22/2018	UG/L	ND	1	37.82738425	-122.2570086	MONITORING	49.4	5	15	EDF
T0600101471-MW-5	0	XYLENES	9/22/2018	UG/L	ND	1	37.82734417	-122.2570986	MONITORING	50.14	5	15	EDF
T0600101471-MW-5	0	XYLENES	3/8/2019	UG/L	ND	1	37.82734417	-122.2570986	MONITORING	50.14	5	15	EDF
T0600101471-MW-6	0	XYLENES	3/8/2019	UG/L	ND	1	37.8276736	-122.2573353	MONITORING	51.18	5	15	EDF
T0600101471-MW-6	0	XYLENES	9/22/2018	UG/L	ND	1	37.8276736	-122.2573353	MONITORING	51.18	5	15	EDF
T0600101471-MW-7	0	XYLENES	3/8/2019	UG/L	ND	1	37.8275205	-122.2569387	MONITORING	19.63	5	15	EDF
T0600101471-MW-7	0	XYLENES	9/22/2018	UG/L	ND	1	37.8275205	-122.2569387	MONITORING	19.63	5	15	EDF
T0600101471-MW-9	0	XYLENES	3/8/2019	UG/L	ND	1	37.82707464	-122.2571944	MONITORING	20.35	5	17	EDF
T0600101471-RW-1	0	XYLENES	9/22/2018	UG/L	ND	1	37.82734854	-122.2570096	MONITORING	16.34	5	10	EDF
T0600101471-RW-1	0	XYLENES	3/8/2019	UG/L	ND	1	37.82734854	-122.2570096	MONITORING	16.34	5	10	EDF
T0600101486-MW-1	0	XYLENES	8/2/2018	UG/L	ND	1	37.7989084	-122.269708	MONITORING		13.5	20	EDF
T0600101486-MW-1	0	XYLENES	2/7/2019	UG/L	ND	1	37.7989084	-122.269708	MONITORING		13.5	20	EDF
T0600101486-MW-2	0	XYLENES	8/2/2018	UG/L	ND	1	37.7990429	-122.2697764	MONITORING		15	18	EDF

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T0600101486-MW-2	0	XYLENES	2/7/2019	UG/L	ND	1	37.7990429	-122.2697764	MONITORING		15	18	EDF
T0600101486-MW-3	1.6	XYLENES	8/2/2018	UG/L	=	1	37.7988233	-122.269913	MONITORING		15	18	EDF
T0600101486-MW-3	0	XYLENES	2/7/2019	UG/L	ND	2	37.7988233	-122.269913	MONITORING		15	18	EDF
T0600101486-MW-4	0	XYLENES	8/2/2018	UG/L	ND	1	37.7987867	-122.2698278	MONITORING		15	18	EDF
T0600101486-MW-4	0	XYLENES	2/7/2019	UG/L	ND	1	37.7987867	-122.2698278	MONITORING		15	18	EDF
T0600101486-MW-5	15	XYLENES	8/2/2018	UG/L	=	1	37.7988955	-122.2699818	MONITORING		15	17	EDF
T0600101486-MW-5	3.6	XYLENES	2/7/2019	UG/L	=	1	37.7988955	-122.2699818	MONITORING		15	17	EDF
T0600101486-MW-6	0	XYLENES	8/2/2018	UG/L	ND	1	37.7987744	-122.2699443	MONITORING		15	17	EDF
T0600101486-MW-6	0	XYLENES	2/7/2019	UG/L	ND	1	37.7987744	-122.2699443	MONITORING		15	17	EDF
T0600101486-MW-7	0	XYLENES	8/2/2018	UG/L	ND	1	37.7986802	-122.2700798	MONITORING		13	20	EDF
T0600101486-MW-7	0	XYLENES	2/7/2019	UG/L	ND	1	37.7986802	-122.2700798	MONITORING		13	20	EDF
T0600101486-MW-8	0	XYLENES	2/7/2019	UG/L	ND	1	37.7986226	-122.269939	MONITORING		11	18	EDF
T0600101486-MW-8	0	XYLENES	8/2/2018	UG/L	ND	1	37.7986226	-122.269939	MONITORING		11	18	EDF
T0600101557-EW1	4900	XYLENES	3/19/2019	UG/L	=	100	37.87913187	-122.2949668	MONITORING				EDF
T0600101557-EW1	6600	XYLENES	10/12/2018	UG/L	=	500	37.87913187	-122.2949668	MONITORING				EDF
T0600101557-MW1	0	XYLENES	10/11/2018	UG/L	ND	2.5	37.87892068	-122.2947985	MONITORING				EDF
T0600101557-MW1	0	XYLENES	3/18/2019	UG/L	ND	5	37.87892068	-122.2947985	MONITORING				EDF
T0600101557-MW2	0	XYLENES	10/11/2018	UG/L	ND	0.5	37.87910275	-122.2951631	MONITORING				EDF
T0600101557-MW2	0	XYLENES	3/19/2019	UG/L	ND	0.5	37.87910275	-122.2951631	MONITORING				EDF
T0600101557-MW3	3400	XYLENES	3/18/2019	UG/L	=	50	37.87888851	-122.2949971	MONITORING		11	5	EDF
T0600101557-MW4	9000	XYLENES	3/19/2019	UG/L	=	120	37.87900416	-122.2950725	MONITORING		11	5	EDF
T0600101557-MW5	4700	XYLENES	3/19/2019	UG/L	=	25	37.87903528	-122.2948687	MONITORING		11	5	EDF
T0600101557-OW1	0	XYLENES	10/11/2018	UG/L	ND	0.5	37.87904213	-122.294991	MONITORING				EDF
T0600101557-OW1	0.9	XYLENES	3/19/2019	UG/L	=	0.5	37.87904213	-122.294991	MONITORING				EDF
T0600101557-P1	1800	XYLENES	3/18/2019	UG/L	=	50	37.87870709	-122.2950329	MONITORING				EDF
T0600101557-P1	2400	XYLENES	10/11/2018	UG/L	=	120	37.87870709	-122.2950329	MONITORING				EDF
T0600101557-TEW3	0	XYLENES	3/18/2019	UG/L	=	0.5	37.87890099	-122.2949464	MONITORING				EDF
T0600101557-TEW3	0	XYLENES	10/11/2018	UG/L	ND	0.5	37.87890099	-122.2949464	MONITORING				EDF
T0600101557-TEW4	0	XYLENES	10/11/2018	UG/L	ND	25	37.87888555	-122.2950545	MONITORING				EDF
T0600101557-TEW4	0	XYLENES	3/18/2019	UG/L	=	100	37.87888555	-122.2950545	MONITORING				EDF
T0600101691-DP-1	2	XYLENES	8/14/2018	UG/L	=	0.5	37.8102664	-122.2878392	MONITORING	22.2			EDF
T0600101691-MW-2	0	XYLENES	8/14/2018	UG/L	ND	0.5	37.8101168	-122.2879223	MONITORING	21.9			EDF
T0600101691-MW-4	0	XYLENES	8/14/2018	UG/L	ND	0.5	37.8103521	-122.2880726	MONITORING	19.4			EDF
T0600101691-MW-5R	5.5	XYLENES	8/14/2018	UG/L	=	0.5	37.810237	-122.2878348	MONITORING	20.2			EDF
T0600101691-MW-6	0	XYLENES	8/14/2018	UG/L	ND	0.5	37.810248	-122.2877296	MONITORING	19.6			EDF
T0600101691-MW-7	0	XYLENES	8/14/2018	UG/L	ND	0.5	37.8103527	-122.2877752	MONITORING	19.5			EDF
T0600101803-EW-2	0	XYLENES	3/7/2019	UG/L	ND	50	37.76830625	-122.2395411	MONITORING		5	20	EDF

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T0600101803-EW-2	0	XYLENES	3/7/2019	UG/L	ND	50	37.76857195	-122.2396759	MONITORING		5	20	EDF
T0600101803-EW-4	0	XYLENES	3/7/2019	UG/L	ND	5	37.76830625	-122.2395411	MONITORING		5	20	EDF
T0600101803-EW-4	0	XYLENES	3/7/2019	UG/L	ND	5	37.76848306	-122.2394718	MONITORING		5	20	EDF
T0600101803-EW-5	3.2	XYLENES	3/7/2019	UG/L	=	1.2	37.76848306	-122.2394718	MONITORING		5	20	EDF
T0600101803-EW-5	3.2	XYLENES	3/7/2019	UG/L	=	1.2	37.76851792	-122.2395519	MONITORING		5	20	EDF
T0600101803-MW-1	180	XYLENES	3/7/2019	UG/L	=	100	37.76844679	-122.2394221	MONITORING		20	15	EDF
T0600101803-MW-2	3.7	XYLENES	3/7/2019	UG/L	=	2.5	37.76830808	-122.2396278	MONITORING		20	15	EDF
T0600101803-MW-3	0	XYLENES	3/7/2019	UG/L	ND	0.5	37.76845466	-122.2400246	MONITORING		20	15	EDF
T0600101803-MW-4	84	XYLENES	3/7/2019	UG/L	=	25	37.76856246	-122.2396104	MONITORING		18	10	EDF
T0600101803-OW-2	0	XYLENES	3/7/2019	UG/L	ND	0.5	37.76851792	-122.2395519	MONITORING		5	15	EDF
T0600101803-OW-2	0	XYLENES	3/7/2019	UG/L	ND	0.5	37.76857195	-122.2396759	MONITORING		5	15	EDF
T0600101855-MW6	0	XYLENES	1/15/2019	UG/L	ND	0.5	37.845888	-122.2848764	MONITORING				EDF
T0600101855-MW7	0	XYLENES	1/15/2019	UG/L	ND	0.5	37.8457611	-122.2850966	MONITORING				EDF
T0600101855-MW8	8.3	XYLENES	1/15/2019	UG/L	=	2.5	37.845782	-122.2849776	MONITORING				EDF
T0600101876-MW-10	1.3	XYLENES	12/26/2018	UG/L	=	1	37.8178495	-122.2724635	MONITORING		6	15	EDF
T0600101876-MW-4	44	XYLENES	12/26/2018	UG/L	=	25	37.8173512	-122.272065	MONITORING		5	15	EDF
T0600101876-MW-5	21000	XYLENES	12/26/2018	UG/L	=	200	37.8172632	-122.2718889	MONITORING		3	10	EDF
T0600101876-MW-6	85	XYLENES	12/26/2018	UG/L	=	1	37.8174645	-122.2720202	MONITORING		3	10	EDF
T0600101876-MW-8	140	XYLENES	12/26/2018	UG/L	=	5	37.817512	-122.2720252	MONITORING				EDF
T0600101876-V-1	0	XYLENES	12/26/2018	UG/L	ND	1	37.8175195	-122.2719747	MONITORING				EDF
T0600101876-V-2	1200	XYLENES	12/26/2018	UG/L	=	50	37.8174101	-122.2719565	MONITORING				EDF
T0600102079-MW-1	3800	XYLENES	3/7/2019	UG/L	=	250	37.76589218	-122.1775768	MONITORING				EDF
T0600102079-MW-1	7500	XYLENES	12/6/2018	UG/L	=	50	37.76589218	-122.1775768	MONITORING				EDF
T0600102079-MW-1	6800	XYLENES	8/21/2018	UG/L	=	100	37.76589218	-122.1775768	MONITORING				EDF
T0600102079-MW-11	0	XYLENES	12/6/2018	UG/L	ND	5	37.7660864	-122.1782518	MONITORING				EDF
T0600102079-MW-11	0	XYLENES	3/7/2019	UG/L	ND	5	37.7660864	-122.1782518	MONITORING				EDF
T0600102079-MW-12	240	XYLENES	8/21/2018	UG/L	=	25	37.7656087	-122.1776204	MONITORING				EDF
T0600102079-MW-12	270	XYLENES	12/6/2018	UG/L	=	5	37.7656087	-122.1776204	MONITORING				EDF
T0600102079-MW-12	110	XYLENES	3/7/2019	UG/L	=	25	37.7656087	-122.1776204	MONITORING				EDF
T0600102079-MW-2	3	XYLENES	12/6/2018	UG/L	=	5	37.76567098	-122.1776975	MONITORING				EDF
T0600102079-MW-3	10	XYLENES	12/6/2018	UG/L	=	5	37.76582064	-122.1777966	MONITORING				EDF
T0600102079-MW-3	52	XYLENES	3/7/2019	UG/L	ND	100	37.76582064	-122.1777966	MONITORING				EDF
T0600102079-MW-3	9	XYLENES	8/21/2018	UG/L	ND	25	37.76582064	-122.1777966	MONITORING				EDF
T0600102079-MW-4	2	XYLENES	12/6/2018	UG/L	=	5	37.76601045	-122.1776369	MONITORING				EDF
T0600102079-MW-4	0	XYLENES	8/21/2018	UG/L	ND	5	37.76601045	-122.1776369	MONITORING				EDF
T0600102079-MW-4	0	XYLENES	3/7/2019	UG/L	ND	5	37.76601045	-122.1776369	MONITORING				EDF
T0600102079-MW-5	0	XYLENES	8/21/2018	UG/L	ND	5	37.76596655	-122.1777309	MONITORING				EDF

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T0600102079-MW-5	0	XYLENES	3/7/2019	UG/L	ND	5	37.76596655	-122.1777309	MONITORING				EDF
T0600102079-MW-5	0	XYLENES	12/6/2018	UG/L	ND	5	37.76596655	-122.1777309	MONITORING				EDF
T0600102079-MW-6	4	XYLENES	8/21/2018	UG/L	ND	25	37.76591928	-122.1778258	MONITORING				EDF
T0600102079-MW-6	6	XYLENES	12/6/2018	UG/L	=	5	37.76591928	-122.1778258	MONITORING				EDF
T0600102079-MW-6	0	XYLENES	3/7/2019	UG/L	ND	5	37.76591928	-122.1778258	MONITORING				EDF
T0600102079-MW-7	18	XYLENES	12/6/2018	UG/L	=	5	37.76584432	-122.1775026	MONITORING				EDF
T0600102099-AMW-1	0	XYLENES	11/30/2018	UG/L	ND	1.2	37.848599	-122.293809	MONITORING		9	15	EDF
T0600102099-AMW-2	0	XYLENES	11/30/2018	UG/L	ND	5	37.848553	-122.293436	MONITORING		9	15	EDF
T0600102099-AMW-3	23	XYLENES	11/30/2018	UG/L	=	0.5	37.848784	-122.292876	MONITORING		8	15	EDF
T0600102099-MW-3	12000	XYLENES	11/30/2018	UG/L	=	500	37.848702	-122.292651	MONITORING		9	20	EDF
T0600102099-TMW-07	0	XYLENES	11/30/2018	UG/L	ND	2.5	37.848406	-122.292408	MONITORING		22	3.5	EDF
T0600102099-TMW-08	0	XYLENES	11/30/2018	UG/L	ND	120	37.84847	-122.292779	MONITORING		19.5	2.5	EDF
T0600102099-TMW-09	19000	XYLENES	11/30/2018	UG/L	=	500	37.848485	-122.292761	MONITORING		6	6	EDF
T0600102154-MW-1	160	XYLENES	9/13/2018	UG/L	=	20	37.688318	-122.1047831	MONITORING				EDF
T0600102154-MW-2	3.6	XYLENES	9/13/2018	UG/L	=	1	37.6883669	-122.1050325	MONITORING				EDF
T0600102154-MW-3	90	XYLENES	9/13/2018	UG/L	=	5	37.6882846	-122.1050907	MONITORING				EDF
T0600102154-MW-6	0	XYLENES	9/13/2018	UG/L	ND	1	37.6883724	-122.1058182	MONITORING				EDF
T0600102154-MW-7	0	XYLENES	9/13/2018	UG/L	ND	1	37.6881964	-122.1058685	MONITORING				EDF
T0600102230-MW-2	0	XYLENES	8/14/2018	UG/L	ND	1	37.8064274	-122.2941934	MONITORING	14.11			EDF
T0600102230-MW-2	0	XYLENES	2/13/2019	UG/L	ND	1	37.8064274	-122.2941934	MONITORING	14.11			EDF
T0600102230-MW-3	27	XYLENES	8/14/2018	UG/L	=	1	37.8064264	-122.2943482	MONITORING	13.9			EDF
T0600102230-MW-3	0.5	XYLENES	2/13/2019	UG/L	ND	1	37.8064264	-122.2943482	MONITORING	13.9			EDF
T0600102230-MW-4	0	XYLENES	2/13/2019	UG/L	ND	1	37.8063643	-122.294315	MONITORING	13.32			EDF
T0600102230-MW-4	2.1	XYLENES	8/14/2018	UG/L	=	1	37.8063643	-122.294315	MONITORING	13.32			EDF
T0600102230-MW-5	0	XYLENES	2/13/2019	UG/L	ND	1	37.8066241	-122.2945192	MONITORING	19.35			EDF
T0600102230-MW-6	0	XYLENES	2/13/2019	UG/L	ND	1	37.8064437	-122.2945903	MONITORING	14			EDF
T0600102230-MW-6	0	XYLENES	8/14/2018	UG/L	ND	1	37.8064437	-122.2945903	MONITORING	14			EDF
T0600102230-MW-7	0	XYLENES	8/14/2018	UG/L	ND	1	37.8065942	-122.2940226	MONITORING	14.02			EDF
T0600102230-MW-7	0	XYLENES	2/13/2019	UG/L	ND	1	37.8065942	-122.2940226	MONITORING	14.02			EDF
T0600102230-MW-8	0	XYLENES	2/13/2019	UG/L	ND	1	37.8062964	-122.2946995	MONITORING	19.79			EDF
T0600102230-MW-8	0	XYLENES	8/14/2018	UG/L	ND	1	37.8062964	-122.2946995	MONITORING	19.79			EDF
T0600102246-MW-1	0	XYLENES	11/15/2018	UG/L	ND	0.5	37.8096784	-122.2922863	MONITORING	18.28	8	10	EDF
T0600102246-MW-2	0	XYLENES	11/15/2018	UG/L	ND	0.5	37.8098872	-122.2924233	MONITORING	18.24	8	10	EDF
T0600102246-MW-3	0	XYLENES	11/15/2018	UG/L	ND	0.5	37.8097929	-122.2925101	MONITORING	18.28	8	10	EDF
T0600102274-MW-1	0	XYLENES	11/15/2018	UG/L	ND	0.5	37.61826	-122.06388	MONITORING	30.14	11.5	20	EDF
T0600102274-MW-1	0	XYLENES	5/15/2019	UG/L	ND	0.5	37.61826	-122.06388	MONITORING	30.14	11.5	20	EDF
T0600102274-MW-10	0	XYLENES	8/21/2018	UG/L	ND	0.5	37.61839	-122.06406	MONITORING	19.08	20		EDF

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T0600102274-MW-10	0	XYLENES	11/15/2018	UG/L	ND	0.5	37.61839	-122.06406	MONITORING	19.08	20		EDF
T0600102274-MW-10	0	XYLENES	5/15/2019	UG/L	ND	0.5	37.61839	-122.06406	MONITORING	19.08	20		EDF
T0600102274-MW-2	0	XYLENES	11/15/2018	UG/L	ND	0.5	37.61855	-122.06392	MONITORING	22.32	15.5	15	EDF
T0600102274-MW-2	0	XYLENES	5/15/2019	UG/L	ND	0.5	37.61855	-122.06392	MONITORING	22.32	15.5	15	EDF
T0600102274-MW-3	0	XYLENES	11/15/2018	UG/L	ND	0.5	37.61888	-122.06396	MONITORING	23.78	16.5	15	EDF
T0600102274-MW-3	0	XYLENES	5/15/2019	UG/L	ND	0.5	37.61888	-122.06396	MONITORING	23.78	16.5	15	EDF
T0600102274-MW-4	0	XYLENES	11/15/2018	UG/L	ND	0.5	37.61899	-122.06416	MONITORING	23.45	10	15	EDF
T0600102274-MW-4	0	XYLENES	5/15/2019	UG/L	ND	0.5	37.61899	-122.06416	MONITORING	23.45	10	15	EDF
T0600102274-MW-5	0	XYLENES	11/15/2018	UG/L	ND	0.5	37.6188	-122.06438	MONITORING	28.15	11.5	20	EDF
T0600102274-MW-5	0	XYLENES	5/15/2019	UG/L	ND	0.5	37.6188	-122.06438	MONITORING	28.15	11.5	20	EDF
T0600102274-MW-6	0	XYLENES	5/15/2019	UG/L	ND	0.5	37.61847	-122.06429	MONITORING	28.73	11.5	20	EDF
T0600102274-MW-6	0	XYLENES	11/15/2018	UG/L	ND	0.5	37.61847	-122.06429	MONITORING	28.73	11.5	20	EDF
T0600102274-MW-7	0	XYLENES	5/15/2019	UG/L	ND	0.5	37.61811	-122.06427	MONITORING	23.82	11.5	15	EDF
T0600102274-MW-7	0	XYLENES	11/15/2018	UG/L	ND	0.5	37.61811	-122.06427	MONITORING	23.82	11.5	15	EDF
T0600102274-MW-8	0	XYLENES	8/21/2018	UG/L	ND	0.5	37.61894	-122.0641	MONITORING	19.97	20		EDF
T0600102274-MW-8	0	XYLENES	5/15/2019	UG/L	ND	0.5	37.61894	-122.0641	MONITORING	19.97	20		EDF
T0600102274-MW-8	0.41	XYLENES	11/15/2018	UG/L	=	0.5	37.61894	-122.0641	MONITORING	19.97	20		EDF
T0600102274-MW-9	0.39	XYLENES	11/15/2018	UG/L	=	0.5	37.61869	-122.06415	MONITORING	19.4	20		EDF
T0600102274-MW-9	0	XYLENES	5/15/2019	UG/L	ND	0.5	37.61869	-122.06415	MONITORING	19.4	20		EDF
T0600102274-MW-9	0.28	XYLENES	8/21/2018	UG/L	=	0.5	37.61869	-122.06415	MONITORING	19.4	20		EDF
T0600102279-MW-10A	920	XYLENES	1/10/2019	UG/L	=	12	37.787777	-122.1948474	MONITORING	14.51			EDF
T0600102279-MW-10B	490	XYLENES	1/10/2019	UG/L	=	6	37.7877881	-122.1948392	MONITORING	19.25			EDF
T0600102279-MW-10S	0	XYLENES	1/10/2019	UG/L	ND	0.6	37.7878032	-122.1948124	MONITORING	10.35			EDF
T0600102279-MW-11A	7100	XYLENES	1/10/2019	UG/L	=	60	37.7875179	-122.1947515	MONITORING	15			EDF
T0600102279-MW-11B	1500	XYLENES	1/10/2019	UG/L	=	120	37.7875008	-122.1947635	MONITORING	20.19			EDF
T0600102279-MW-11S	0	XYLENES	1/10/2019	UG/L	ND	0.6	37.7875186	-122.1947398	MONITORING	10.16			EDF
T0600102279-MW-12	520	XYLENES	1/10/2019	UG/L	=	100	37.787791	-122.1948149	MONITORING	22.76			EDF
T0600102279-MW-1B	0	XYLENES	1/10/2019	UG/L	ND	0.6	37.7877602	-122.194861	MONITORING	24.89			EDF
T0600102279-MW-2B	0	XYLENES	1/10/2019	UG/L	ND	0.6	37.7875576	-122.1948223	MONITORING	24.87			EDF
T0600102279-MW-3B	140	XYLENES	1/10/2019	UG/L	=	6	37.7875574	-122.1946655	MONITORING	24.92			EDF
T0600102279-MW-4B	0	XYLENES	1/10/2019	UG/L	ND	0.6	37.7877067	-122.1945995	MONITORING	24.8			EDF
T0600102279-MW-5	0	XYLENES	1/10/2019	UG/L	ND	0.6	37.7877993	-122.1951072	MONITORING	25.3			EDF
T0600102279-MW-7	0	XYLENES	1/10/2019	UG/L	ND	0.6	37.7874591	-122.1949929	MONITORING	23.94			EDF
T0600102279-MW-9A	0	XYLENES	1/10/2019	UG/L	ND	30	37.7877426	-122.1949142	MONITORING	15.11			EDF
T0600102279-MW-9B	0	XYLENES	1/10/2019	UG/L	ND	0.6	37.7877351	-122.1949255	MONITORING	20.15			EDF
T0600102279-PZ-2	2800	XYLENES	1/10/2019	UG/L	=	100	37.7877729	-122.1948397	MONITORING	18.7			EDF
T0600102279-PZ-3	3.3	XYLENES	1/10/2019	UG/L	=	1	37.7877684	-122.1948786	MONITORING	17.8			EDF

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T0600173887-MW-5	0.9	XYLENES	12/13/2018	UG/L	=	5	37.82827	-122.2744264	MONITORING	24.98			EDF
T0600173887-MW-7	1	XYLENES	12/13/2018	UG/L	=	5	37.8278966	-122.2743868	MONITORING	24.95			EDF
T0600173887-MW-8	0	XYLENES	12/13/2018	UG/L	ND	5	37.8279607	-122.2749512	MONITORING	24.95			EDF
T0600174667-EW-1	86	XYLENES	9/27/2018	UG/L	=	0.5	37.7954681	-122.2557688	MONITORING				EDF
T0600174667-EW-2	73	XYLENES	9/27/2018	UG/L	=	0.5	37.7955181	-122.2556138	MONITORING				EDF
T0600174667-MW-1	550	XYLENES	9/27/2018	UG/L	=	10	37.7954787	-122.2558721	MONITORING				EDF
T0600174667-MW-2	12	XYLENES	9/27/2018	UG/L	=	0.5	37.79547	-122.2555203	MONITORING				EDF
T0600174667-MW-3	120	XYLENES	9/27/2018	UG/L	=	0.5	37.7954191	-122.2557866	MONITORING				EDF
T0600174667-MW-4	49	XYLENES	9/27/2018	UG/L	=	0.5	37.795549	-122.2555556	MONITORING				EDF
T0600174667-MW-6	16	XYLENES	9/27/2018	UG/L	=	0.5	37.7954532	-122.255829	MONITORING				EDF
T0600194038-EW-1	0	XYLENES	12/19/2018	UG/L	ND	5	37.85622427	-122.260501	MONITORING	24.65			EDF
T0600194038-EW-2	0	XYLENES	12/19/2018	UG/L	ND	5	37.85634555	-122.260526	MONITORING	23.92			EDF
T0600194038-EW-3	0	XYLENES	12/19/2018	UG/L	ND	5	37.85646948	-122.2605598	MONITORING	24.92			EDF
T0600194038-MW-10	0	XYLENES	12/19/2018	UG/L	ND	5	37.85629706	-122.2598466	MONITORING	19.4			EDF
T0600194038-MW-4	0.9	XYLENES	12/19/2018	UG/L	ND	5	37.85625235	-122.2601986	MONITORING	15.27			EDF
T0600194038-MW-5	0	XYLENES	12/19/2018	UG/L	ND	5	37.85644941	-122.2605194	MONITORING	10.53			EDF
T0600194038-MW-6	0	XYLENES	12/19/2018	UG/L	ND	5	37.8559393	-122.2602924	MONITORING	18.78			EDF
T0600194038-MW-7	3	XYLENES	12/19/2018	UG/L	ND	5	37.85623806	-122.2604732	MONITORING	18.58			EDF
T0600194038-MW-8	0	XYLENES	12/19/2018	UG/L	ND	5	37.85654894	-122.2602659	MONITORING	18.5			EDF
T0600194038-MW-9	0	XYLENES	12/19/2018	UG/L	ND	5	37.85663274	-122.2601743	MONITORING	19.5			EDF
T0601300018-BC-1	15	XYLENES	9/25/2018	UG/L	=	1	37.9469494	-122.3304081	MONITORING		29	15	EDF
T0601300018-BC-1	11	XYLENES	3/26/2019	UG/L	=	1	37.9469494	-122.3304081	MONITORING		29	15	EDF
T0601300018-BC-2	1300	XYLENES	9/25/2018	UG/L	=	100	37.9470222	-122.3301524	MONITORING		30	16	EDF
T0601300018-BC-2	1400	XYLENES	3/26/2019	UG/L	=	100	37.9470222	-122.3301524	MONITORING		30	16	EDF
T0601300018-BC-3	12	XYLENES	3/26/2019	UG/L	=	1	37.9468254	-122.3303078	MONITORING		30	16	EDF
T0601300018-BC-3	4.1	XYLENES	9/25/2018	UG/L	=	1	37.9468254	-122.3303078	MONITORING		30	16	EDF
T0601300018-BC-4	0	XYLENES	9/25/2018	UG/L	ND	1	37.9468804	-122.3301933	MONITORING		60	15	EDF
T0601300018-BC-4	3	XYLENES	3/25/2019	UG/L	=	1	37.9468804	-122.3301933	MONITORING		60	15	EDF
T0601300018-MW-1	7.7	XYLENES	3/25/2019	UG/L	=	1	37.94692	-122.3300951	MONITORING		31	15	EDF
T0601300018-MW-1	0	XYLENES	9/25/2018	UG/L	ND	1	37.94692	-122.3300951	MONITORING		31	15	EDF
T0601300018-MW-2	0	XYLENES	3/26/2019	UG/L	ND	1	37.9471901	-122.3302338	MONITORING		29	20	EDF
T0601300018-MW-2	0	XYLENES	9/25/2018	UG/L	ND	1	37.9471901	-122.3302338	MONITORING		29	20	EDF
T0601300018-MW-3	0	XYLENES	3/25/2019	UG/L	ND	1	37.9471482	-122.3304995	MONITORING		30	20	EDF
T0601300018-MW-3	0	XYLENES	9/25/2018	UG/L	ND	1	37.9471482	-122.3304995	MONITORING		30	20	EDF
T0601300018-MW-4	1800	XYLENES	3/26/2019	UG/L	=	20	37.9470304	-122.3304604	MONITORING		31	15	EDF
T0601300018-MW-4	1600	XYLENES	9/25/2018	UG/L	=	20	37.9470304	-122.3304604	MONITORING		31	15	EDF
T0601300018-MW-5	0	XYLENES	9/25/2018	UG/L	ND	1	37.947122	-122.3301095	MONITORING		20	20	EDF

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T0601300018-MW-5	0	XYLENES	3/26/2019	UG/L	ND	1	37.947122	-122.3301095	MONITORING		20	20	EDF
T0601300018-MW-6	0	XYLENES	3/26/2019	UG/L	ND	1	37.9468688	-122.3300084	MONITORING		20	20	EDF
T0601300018-MW-7	0	XYLENES	3/26/2019	UG/L	ND	1	37.9467447	-122.3301973	MONITORING		20	20	EDF
T0601300018-MW-8	0	XYLENES	3/26/2019	UG/L	ND	1	37.9471712	-122.3309861	MONITORING		20	20	EDF
T0601300018-MW-8	3	XYLENES	9/25/2018	UG/L	=	1	37.9471712	-122.3309861	MONITORING		20	20	EDF
T0601300019-BC-1	7.2	XYLENES	2/25/2019	UG/L	=	1	37.9380886	-122.3480436	MONITORING		5	10	EDF
T0601300019-BC-1	19	XYLENES	8/28/2018	UG/L	=	1	37.9380886	-122.3480436	MONITORING		5	10	EDF
T0601300019-MW-2	0	XYLENES	2/25/2019	UG/L	ND	1	37.9383401	-122.348031	MONITORING		5	10	EDF
T0601300019-MW-2	0	XYLENES	8/28/2018	UG/L	ND	1	37.9383401	-122.348031	MONITORING		5	10	EDF
T0601300019-MW-3	0	XYLENES	2/26/2019	UG/L	ND	1	37.9383336	-122.347729	MONITORING		5	10	EDF
T0601300019-MW-3	0	XYLENES	8/28/2018	UG/L	ND	1	37.9383336	-122.347729	MONITORING		5	10	EDF
T0601300019-MW-4	32	XYLENES	2/26/2019	UG/L	=	1	37.9381052	-122.3477081	MONITORING		5	10	EDF
T0601300019-MW-4	4	XYLENES	8/28/2018	UG/L	=	1	37.9381052	-122.3477081	MONITORING		5	10	EDF
T0601300019-MW-5	280	XYLENES	8/28/2018	UG/L	=	5	37.9382254	-122.3480525	MONITORING		5	10	EDF
T0601300019-MW-5	550	XYLENES	2/26/2019	UG/L	=	25	37.9382254	-122.3480525	MONITORING		5	10	EDF
T0601300019-MW-6	0	XYLENES	8/28/2018	UG/L	ND	1	37.938173	-122.3484841	MONITORING		5	10	EDF
T0601300019-MW-6	0	XYLENES	2/25/2019	UG/L	ND	1	37.938173	-122.3484841	MONITORING		5	10	EDF
T0601300019-MW-7	1	XYLENES	8/28/2018	UG/L	=	1	37.9379917	-122.3484899	MONITORING		5	10	EDF
T0601300019-MW-7	0	XYLENES	2/25/2019	UG/L	ND	1	37.9379917	-122.3484899	MONITORING		5	10	EDF
T0601300019-VE-1	35	XYLENES	2/26/2019	UG/L	=	1	37.9383056	-122.3480761	MONITORING				EDF
T0601300019-VE-1	18	XYLENES	8/28/2018	UG/L	=	1	37.9383056	-122.3480761	MONITORING				EDF
T0601300019-VE-2	0	XYLENES	8/28/2018	UG/L	ND	1	37.9382025	-122.3480978	MONITORING				EDF
T0601300019-VE-2	0	XYLENES	2/26/2019	UG/L	ND	1	37.9382025	-122.3480978	MONITORING				EDF
T0601300023-DW-6	0	XYLENES	2/6/2019	UG/L	ND	3	37.91412631	-122.36545	MONITORING		3	7	EDF
T0601300023-DW-6	0	XYLENES	11/28/2018	UG/L	ND	3	37.91412631	-122.36545	MONITORING		3	7	EDF
T0601300023-DW-6	0	XYLENES	8/29/2018	UG/L	ND	3	37.91412631	-122.36545	MONITORING		3	7	EDF
T0601300023-DW-7	0	XYLENES	2/6/2019	UG/L	ND	3	37.91406885	-122.365765	MONITORING		3	7	EDF
T0601300023-DW-7	0	XYLENES	11/28/2018	UG/L	ND	3	37.91406885	-122.365765	MONITORING		3	7	EDF
T0601300023-DW-7	0	XYLENES	8/29/2018	UG/L	ND	3	37.91406885	-122.365765	MONITORING		3	7	EDF
T0601300023-DW-8	0	XYLENES	11/28/2018	UG/L	ND	3	37.91410106	-122.3662978	MONITORING		3	7	EDF
T0601300023-DW-8	0	XYLENES	8/28/2018	UG/L	ND	3	37.91410106	-122.3662978	MONITORING		3	7	EDF
T0601300023-DW-8	0	XYLENES	2/6/2019	UG/L	ND	3	37.91410106	-122.3662978	MONITORING		3	7	EDF
T0601300023-E-2	0	XYLENES	11/27/2018	UG/L	ND	3	37.91265903	-122.3652287	MONITORING		6	2	EDF
T0601300023-E-2	0	XYLENES	2/6/2019	UG/L	ND	3	37.91265903	-122.3652287	MONITORING		6	2	EDF
T0601300023-E-2	0	XYLENES	8/30/2018	UG/L	ND	3	37.91265903	-122.3652287	MONITORING		6	2	EDF
T0601300023-E-7	0	XYLENES	2/6/2019	UG/L	ND	3	37.9125866	-122.3652198	MONITORING		6	2	EDF
T0601300023-E-7	0	XYLENES	8/30/2018	UG/L	ND	3	37.9125866	-122.3652198	MONITORING		6	2	EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top Screen (FT)	Screen Length (FT)	Source
T0601300023-E-7	0	XYLENES	11/27/2018	UG/L	ND	3	37.9125866	-122.3652198	MONITORING		6	2	EDF
T0601300023-EW-2	0	XYLENES	8/30/2018	UG/L	ND	3	37.91337222	-122.3684511	MONITORING		3	6	EDF
T0601300023-MW-1	0	XYLENES	8/29/2018	UG/L	ND	3	37.91249309	-122.3674511	MONITORING		5	15	EDF
T0601300023-MW-1	0	XYLENES	2/12/2019	UG/L	ND	3	37.91249309	-122.3674511	MONITORING		5	15	EDF
T0601300023-MW-10L	0	XYLENES	2/7/2019	UG/L	ND	3	37.91127998	-122.3659261	MONITORING		4.5	7.5	EDF
T0601300023-MW-10L	0	XYLENES	8/28/2018	UG/L	ND	3	37.91127998	-122.3659261	MONITORING		4.5	7.5	EDF
T0601300023-MW-11L	0	XYLENES	8/30/2018	UG/L	ND	3	37.91302812	-122.3678485	MONITORING		4.5	8	EDF
T0601300023-MW-11L	0	XYLENES	2/7/2019	UG/L	ND	3	37.91302812	-122.3678485	MONITORING		4.5	8	EDF
T0601300023-MW-12L	0	XYLENES	11/28/2018	UG/L	ND	3	37.91273061	-122.3667516	MONITORING		4.5	5	EDF
T0601300023-MW-12L	0	XYLENES	8/30/2018	UG/L	ND	60	37.91273061	-122.3667516	MONITORING		4.5	5	EDF
T0601300023-MW-13L	0	XYLENES	8/28/2018	UG/L	ND	3	37.91247256	-122.3670282	MONITORING		4.5	7.5	EDF
T0601300023-MW-13L	0	XYLENES	2/7/2019	UG/L	ND	3	37.91247256	-122.3670282	MONITORING		4.5	7.5	EDF
T0601300023-MW-14L	0	XYLENES	2/7/2019	UG/L	ND	3	37.91201547	-122.36628	MONITORING		4.5	8	EDF
T0601300023-MW-14L	0	XYLENES	8/28/2018	UG/L	ND	3	37.91201547	-122.36628	MONITORING		4.5	8	EDF
T0601300023-MW-15R	0	XYLENES	8/29/2018	UG/L	ND	3	37.91144743	-122.3665209	MONITORING		4	4	EDF
T0601300023-MW-15R	0	XYLENES	2/12/2019	UG/L	ND	3	37.91144743	-122.3665209	MONITORING		4	4	EDF
T0601300023-MW-16L	0	XYLENES	2/7/2019	UG/L	ND	3	37.91196422	-122.365499	MONITORING		3	10	EDF
T0601300023-MW-16L	0	XYLENES	8/29/2018	UG/L	ND	3	37.91196422	-122.365499	MONITORING		3	10	EDF
T0601300023-MW-17AL	0	XYLENES	2/6/2019	UG/L	ND	3	37.91241464	-122.3652232	MONITORING		3	12.5	EDF
T0601300023-MW-17AL	0	XYLENES	8/29/2018	UG/L	ND	3	37.91241464	-122.3652232	MONITORING		3	12.5	EDF
T0601300023-MW-18L	0	XYLENES	8/30/2018	UG/L	ND	3	37.9129135	-122.3655204	MONITORING		3	10	EDF
T0601300023-MW-18L	0	XYLENES	2/6/2019	UG/L	ND	3	37.9129135	-122.3655204	MONITORING		3	10	EDF
T0601300023-MW-19L	0	XYLENES	8/30/2018	UG/L	ND	3	37.91365855	-122.3656585	MONITORING		3	10	EDF
T0601300023-MW-19L	0	XYLENES	11/28/2018	UG/L	ND	3	37.91365855	-122.3656585	MONITORING		3	10	EDF
T0601300023-MW-19L	0	XYLENES	2/6/2019	UG/L	ND	3	37.91365855	-122.3656585	MONITORING		3	10	EDF
T0601300023-MW-1L	0	XYLENES	2/7/2019	UG/L	ND	3	37.91396137	-122.3688233	MONITORING		4.5	8	EDF
T0601300023-MW-1L	0	XYLENES	8/29/2018	UG/L	ND	3	37.91396137	-122.3688233	MONITORING		4.5	8	EDF
T0601300023-MW-1U	0	XYLENES	8/30/2018	UG/L	ND	3	37.91269383	-122.3692086	MONITORING		4.5	7.5	EDF
T0601300023-MW-1U	0	XYLENES	2/7/2019	UG/L	ND	3	37.91269383	-122.3692086	MONITORING		4.5	7.5	EDF
T0601300023-MW-2	0	XYLENES	8/29/2018	UG/L	ND	3	37.91245695	-122.3665882	MONITORING		5	15	EDF
T0601300023-MW-2	0	XYLENES	2/7/2019	UG/L	ND	3	37.91245695	-122.3665882	MONITORING		5	15	EDF
T0601300023-MW-20L	0	XYLENES	2/7/2019	UG/L	ND	3	37.91390561	-122.3675069	MONITORING		3.5	6	EDF
T0601300023-MW-20L	0	XYLENES	8/30/2018	UG/L	ND	3	37.91390561	-122.3675069	MONITORING		3.5	6	EDF
T0601300023-MW-21L	0	XYLENES	2/12/2019	UG/L	ND	3	37.91347861	-122.3664333	MONITORING		3.5	6	EDF
T0601300023-MW-21L	0	XYLENES	8/30/2018	UG/L	ND	3	37.91347861	-122.3664333	MONITORING		3.5	6	EDF
T0601300023-MW-22L	0	XYLENES	2/6/2019	UG/L	ND	3	37.9127572	-122.3661939	MONITORING		3	10	EDF
T0601300023-MW-22L	0	XYLENES	8/30/2018	UG/L	ND	3	37.9127572	-122.3661939	MONITORING		3	10	EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top Screen (FT)	Screen Length (FT)	Source
T0601300023-MW-23LD	0	XYLENES	11/28/2018	UG/L	ND	3	37.91218984	-122.3666264	MONITORING		30	5.5	EDF
T0601300023-MW-23LD	0	XYLENES	8/29/2018	UG/L	ND	3	37.91218984	-122.3666264	MONITORING		30	5.5	EDF
T0601300023-MW-23LD	0	XYLENES	2/7/2019	UG/L	ND	3	37.91218984	-122.3666264	MONITORING		30	5.5	EDF
T0601300023-MW-23LS	0	XYLENES	8/29/2018	UG/L	ND	3	37.91218981	-122.3666272	MONITORING		18	4.5	EDF
T0601300023-MW-23LS	0	XYLENES	2/7/2019	UG/L	ND	3	37.91218981	-122.3666272	MONITORING		18	4.5	EDF
T0601300023-MW-24D	0	XYLENES	8/30/2018	UG/L	ND	3	37.9126112	-122.3654804	MONITORING		26	5	EDF
T0601300023-MW-24D	0	XYLENES	2/6/2019	UG/L	ND	3	37.9126112	-122.3654804	MONITORING		26	5	EDF
T0601300023-MW-24D	0	XYLENES	11/28/2018	UG/L	ND	3	37.9126112	-122.3654804	MONITORING		26	5	EDF
T0601300023-MW-25D	0	XYLENES	11/28/2018	UG/L	ND	3	37.91196867	-122.3654887	MONITORING		30	3	EDF
T0601300023-MW-25D	0	XYLENES	2/7/2019	UG/L	ND	3	37.91196867	-122.3654887	MONITORING		30	3	EDF
T0601300023-MW-25D	0	XYLENES	8/29/2018	UG/L	ND	3	37.91196867	-122.3654887	MONITORING		30	3	EDF
T0601300023-MW-26L	0	XYLENES	11/28/2018	UG/L	ND	3	37.91292756	-122.3667119	MONITORING		3	7	EDF
T0601300023-MW-26L	0	XYLENES	8/30/2018	UG/L	ND	600	37.91292756	-122.3667119	MONITORING		3	7	EDF
T0601300023-MW-26L	0	XYLENES	2/12/2019	UG/L	ND	3	37.91292756	-122.3667119	MONITORING		3	7	EDF
T0601300023-MW-27L	0	XYLENES	11/28/2018	UG/L	ND	3	37.91345646	-122.3677006	MONITORING		3	10	EDF
T0601300023-MW-27L	0	XYLENES	8/30/2018	UG/L	ND	3	37.91345646	-122.3677006	MONITORING		3	10	EDF
T0601300023-MW-27L	0	XYLENES	2/7/2019	UG/L	ND	3	37.91345646	-122.3677006	MONITORING		3	10	EDF
T0601300023-MW-28L	0	XYLENES	11/28/2018	UG/L	ND	3	37.91384278	-122.3678882	MONITORING		3	10	EDF
T0601300023-MW-28L	0	XYLENES	8/30/2018	UG/L	ND	3	37.91384278	-122.3678882	MONITORING		3	10	EDF
T0601300023-MW-28L	0	XYLENES	2/12/2019	UG/L	ND	3	37.91384278	-122.3678882	MONITORING		3	10	EDF
T0601300023-MW-29L	0	XYLENES	11/27/2018	UG/L	ND	3	37.91266891	-122.3653699	MONITORING		4	4	EDF
T0601300023-MW-29L	0	XYLENES	8/29/2018	UG/L	ND	3	37.91266891	-122.3653699	MONITORING		4	4	EDF
T0601300023-MW-2L	0	XYLENES	8/29/2018	UG/L	ND	3	37.91405824	-122.3671219	MONITORING		4.5	9	EDF
T0601300023-MW-2L	0	XYLENES	2/7/2019	UG/L	ND	3	37.91405824	-122.3671219	MONITORING		4.5	9	EDF
T0601300023-MW-3	0	XYLENES	8/30/2018	UG/L	ND	3	37.91169268	-122.3666247	MONITORING		5	15	EDF
T0601300023-MW-3	0	XYLENES	2/7/2019	UG/L	ND	3	37.91169268	-122.3666247	MONITORING		5	15	EDF
T0601300023-MW-3	0	XYLENES	11/28/2018	UG/L	ND	3	37.91169268	-122.3666247	MONITORING		5	15	EDF
T0601300023-MW-3L	0	XYLENES	2/7/2019	UG/L	ND	3	37.91404894	-122.3664546	MONITORING		5	9	EDF
T0601300023-MW-3L	0	XYLENES	8/29/2018	UG/L	ND	3	37.91404894	-122.3664546	MONITORING		5	9	EDF
T0601300023-MW-4L	0	XYLENES	2/6/2019	UG/L	ND	3	37.91406222	-122.3659742	MONITORING		4.5	9	EDF
T0601300023-MW-4L	0	XYLENES	8/29/2018	UG/L	ND	3	37.91406222	-122.3659742	MONITORING		4.5	9	EDF
T0601300023-MW-5L	0	XYLENES	11/28/2018	UG/L	ND	3	37.91382528	-122.3654588	MONITORING		4.5	7.5	EDF
T0601300023-MW-5L	0	XYLENES	8/29/2018	UG/L	ND	3	37.91382528	-122.3654588	MONITORING		4.5	7.5	EDF
T0601300023-MW-5L	0	XYLENES	2/7/2019	UG/L	ND	3	37.91382528	-122.3654588	MONITORING		4.5	7.5	EDF
T0601300023-MW-6L	0	XYLENES	2/7/2019	UG/L	ND	3	37.91330425	-122.3653527	MONITORING		4.5	7.5	EDF
T0601300023-MW-6L	0	XYLENES	8/29/2018	UG/L	ND	3	37.91330425	-122.3653527	MONITORING		4.5	7.5	EDF
T0601300023-MW-6U	0	XYLENES	2/6/2019	UG/L	ND	3	37.91119263	-122.3724128	MONITORING		55	25	EDF

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T0601300023-MW-7L	0	XYLENES	8/30/2018	UG/L	ND	3	37.91261038	-122.3654922	MONITORING		4.5	7.5	EDF
T0601300023-MW-7L	0	XYLENES	2/6/2019	UG/L	ND	3	37.91261038	-122.3654922	MONITORING		4.5	7.5	EDF
T0601300023-MW-7U	0	XYLENES	2/6/2019	UG/L	ND	3	37.91168176	-122.3710708	MONITORING		55	25	EDF
T0601300023-MW-8L	0	XYLENES	8/28/2018	UG/L	ND	3	37.91172847	-122.365293	MONITORING		4.5	7.5	EDF
T0601300023-MW-8L	0	XYLENES	2/7/2019	UG/L	ND	3	37.91172847	-122.365293	MONITORING		4.5	7.5	EDF
T0601300023-MW-8U	0	XYLENES	2/6/2019	UG/L	ND	3	37.91061952	-122.3688848	MONITORING		110	25	EDF
T0601300023-MW-9L	0	XYLENES	8/28/2018	UG/L	ND	3	37.9112147	-122.3651865	MONITORING		4.5	7.5	EDF
T0601300023-MW-9L	0	XYLENES	2/7/2019	UG/L	ND	3	37.9112147	-122.3651865	MONITORING		4.5	7.5	EDF
T0601300036-MW-12	152	XYLENES	11/29/2018	UG/L	=	30	37.9355813	-122.3260584	MONITORING		14	20	EDF
T0601300036-MW-14	0	XYLENES	11/29/2018	UG/L	ND	3	37.9353162	-122.3257417	MONITORING		15	20	EDF
T0601300036-MW-15	0	XYLENES	11/29/2018	UG/L	ND	3	37.9352665	-122.325385	MONITORING		15	20	EDF
T0601300036-MW-17	0	XYLENES	11/29/2018	UG/L	ND	3	37.9349966	-122.3258487	MONITORING				EDF
T0601300036-MW-4	0	XYLENES	11/29/2018	UG/L	ND	3	37.9357886	-122.3254881	MONITORING		5	30	EDF
T0601300036-MW-6	3320	XYLENES	11/29/2018	UG/L	=	300	37.9356943	-122.3254221	MONITORING		10	25	EDF
T0601300036-MW-7	7070	XYLENES	11/29/2018	UG/L	=	150	37.9355284	-122.3254741	MONITORING		7	28	EDF
T0601300499-MW-1A	0	XYLENES	11/26/2018	UG/L	ND	0.5	37.9262339	-122.3196109	MONITORING	13.5			EDF
T0601300594-MW-1	16	XYLENES	8/28/2018	UG/L	=	5	37.9395806	-122.3478661	MONITORING	16.8		10	EDF
T0601300594-MW-2	45	XYLENES	8/28/2018	UG/L	=	5	37.9397392	-122.3478687	MONITORING	16.5		10	EDF
T0601300594-MW-3	38	XYLENES	8/28/2018	UG/L	=	5	37.9398536	-122.347699	MONITORING	16.5		10	EDF
T0601300594-MW-4	0	XYLENES	8/28/2018	UG/L	ND	0.5	37.939518	-122.3476659	MONITORING	16.6		10	EDF
T0601300594-MW-5	3.4	XYLENES	8/29/2018	UG/L	=	0.5	37.9395001	-122.3480165	MONITORING	16.9			EDF
T0601300594-MW-6	0	XYLENES	8/29/2018	UG/L	ND	0.5	37.9391388	-122.3474307	MONITORING	16.7			EDF
T0601300712-AI-1	2300	XYLENES	2/27/2019	UG/L	=	1000	37.9253762	-122.3480707	MONITORING		9	10	EDF
T0601300712-MW-12	0	XYLENES	2/25/2019	UG/L	ND	100	37.9250535	-122.3482496	MONITORING		23	7	EDF
T0601300712-MW-12A	11000	XYLENES	2/28/2019	UG/L	=	2500	37.9250534	-122.3482749	MONITORING		5	15	EDF
T0601300712-MW-13	8.2	XYLENES	2/25/2019	UG/L	=	0.5	37.9248228	-122.3482965	MONITORING		26	7	EDF
T0601300712-MW-13A	5000	XYLENES	2/28/2019	UG/L	=	170	37.9248229	-122.3483194	MONITORING		5	13.5	EDF
T0601300712-MW-14	0	XYLENES	2/25/2019	UG/L	ND	0.5	37.9243793	-122.3485045	MONITORING		20	10	EDF
T0601300712-MW-15A	730	XYLENES	2/25/2019	UG/L	=	170	37.9254604	-122.3476701	MONITORING		4	15	EDF
T0601300712-MW-15B	4700	XYLENES	2/25/2019	UG/L	=	170	37.9254609	-122.347669	MONITORING		23	5	EDF
T0601300712-MW-2	230	XYLENES	2/28/2019	UG/L	=	50	37.9253852	-122.3478039	MONITORING				EDF
T0601300712-MW-3	0	XYLENES	2/28/2019	UG/L	ND	25	37.9253406	-122.3479761	MONITORING				EDF
T0601300712-MW-4	170	XYLENES	2/28/2019	UG/L	=	25	37.9255789	-122.3480811	MONITORING				EDF
T0601300712-MW-9	1000	XYLENES	2/25/2019	UG/L	=	25	37.9247068	-122.3483326	MONITORING		20	10	EDF
T0601300712-OBS-1A	0	XYLENES	2/27/2019	UG/L	=	1000	37.925352	-122.348098	MONITORING		4	14	EDF
T0601300712-OBS-1B	0	XYLENES	2/28/2019	UG/L	=	100	37.925351	-122.3480981	MONITORING		21	9	EDF
T0601300712-OBS-2B	340	XYLENES	2/28/2019	UG/L	=	250	37.9253954	-122.3480434	MONITORING		21	9	EDF

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T0601300717-MW-1	3.7	XYLENES	5/23/2019	UG/L	=	0.5	37.944555	-122.347113	MONITORING				EDF
T0601300717-MW-1	6.2	XYLENES	11/20/2018	UG/L	=	1.7	37.944555	-122.347113	MONITORING				EDF
T0601300717-MW-10	0	XYLENES	11/20/2018	UG/L	ND	0.5	37.944317	-122.346868	MONITORING				EDF
T0601300717-MW-11	0	XYLENES	11/20/2018	UG/L	ND	0.5	37.944759	-122.347315	MONITORING				EDF
T0601300717-MW-11	3.1	XYLENES	5/23/2019	UG/L	=	0.5	37.944759	-122.347315	MONITORING				EDF
T0601300717-MW-12	0	XYLENES	5/23/2019	UG/L	ND	0.5	37.944756	-122.346983	MONITORING				EDF
T0601300717-MW-12	0	XYLENES	11/20/2018	UG/L	ND	0.5	37.944756	-122.346983	MONITORING				EDF
T0601300717-MW-2	0	XYLENES	11/20/2018	UG/L	ND	2.5	37.944475	-122.34729	MONITORING				EDF
T0601300717-MW-2	3.8	XYLENES	5/23/2019	UG/L	=	0.5	37.944475	-122.34729	MONITORING				EDF
T0601300717-MW-3	13	XYLENES	5/24/2019	UG/L	=	0.5	37.944451	-122.346983	MONITORING				EDF
T0601300717-MW-3	140	XYLENES	11/21/2018	UG/L	=	5	37.944451	-122.346983	MONITORING				EDF
T0601300717-MW-4	0	XYLENES	11/20/2018	UG/L	ND	0.5	37.944493	-122.347187	MONITORING				EDF
T0601300717-MW-4	0	XYLENES	5/23/2019	UG/L	ND	0.5	37.944493	-122.347187	MONITORING				EDF
T0601300717-MW-5	600	XYLENES	5/24/2019	UG/L	=	2.5	37.944549	-122.346961	MONITORING				EDF
T0601300717-MW-5	25	XYLENES	11/20/2018	UG/L	=	5	37.944549	-122.346961	MONITORING				EDF
T0601300717-MW-6	3.9	XYLENES	5/23/2019	UG/L	=	0.5	37.944668	-122.347098	MONITORING				EDF
T0601300717-MW-6	0	XYLENES	11/20/2018	UG/L	ND	0.5	37.944668	-122.347098	MONITORING				EDF
T0601300717-MW-7	5.2	XYLENES	5/23/2019	UG/L	=	1	37.944615	-122.347303	MONITORING				EDF
T0601300717-MW-7	0	XYLENES	11/20/2018	UG/L	ND	1.7	37.944615	-122.347303	MONITORING				EDF
T0601300717-MW-8	0	XYLENES	11/21/2018	UG/L	ND	5	37.944307	-122.347188	MONITORING				EDF
T0601300717-MW-8	12	XYLENES	5/23/2019	UG/L	=	0.5	37.944307	-122.347188	MONITORING				EDF
T0601300717-MW-9	4	XYLENES	5/24/2019	UG/L	=	0.5	37.9444	-122.346757	MONITORING				EDF
T0601300717-MW-9	38	XYLENES	11/20/2018	UG/L	=	5	37.9444	-122.346757	MONITORING				EDF
T0601307808-MW-1	0	XYLENES	8/14/2018	UG/L	ND	0.5	37.9257923	-122.3225249	MONITORING				EDF
T0601307808-MW-2	0	XYLENES	8/14/2018	UG/L	ND	0.5	37.9256353	-122.3223946	MONITORING				EDF
T0601307808-MW-3	0	XYLENES	8/13/2018	UG/L	ND	0.5	37.9256826	-122.3221548	MONITORING				EDF
T0601307808-MW-4	0	XYLENES	8/13/2018	UG/L	ND	1.7	37.92538	-122.3223195	MONITORING				EDF
T0601307808-MW-5	0	XYLENES	8/14/2018	UG/L	ND	10	37.9258423	-122.322459	MONITORING				EDF
T0601307808-MW-6	0	XYLENES	8/13/2018	UG/L	ND	25	37.9257271	-122.3227198	MONITORING				EDF
T0601307808-MW-7	0	XYLENES	8/13/2018	UG/L	ND	1	37.9256215	-122.3230036	MONITORING				EDF
T0601307808-MW-8	0	XYLENES	8/13/2018	UG/L	ND	25	37.9253809	-122.322835	MONITORING				EDF
T0601307808-MW-9	0	XYLENES	8/13/2018	UG/L	ND	0.5	37.9256226	-122.3232664	MONITORING		5	20	EDF
T0601359733-MW-1	0	XYLENES	3/6/2019	UG/L	ND	1.5	37.9548788	-122.3471771	MONITORING	17.85	8	10	EDF
T0601359733-MW-1	0	XYLENES	11/5/2018	UG/L	ND	1.5	37.9548788	-122.3471771	MONITORING	17.85	8	10	EDF
T0601359733-MW-2	123	XYLENES	3/6/2019	UG/L	=	15	37.9547212	-122.3470269	MONITORING	18.26	8	10	EDF
T0601359733-MW-2	1440	XYLENES	11/5/2018	UG/L	=	15	37.9547212	-122.3470269	MONITORING	18.26	8	10	EDF
T0601359733-MW-3	97.2	XYLENES	11/5/2018	UG/L	=	15	37.9547324	-122.3472005	MONITORING	17.95	8	10	EDF

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T0601359733-MW-3	128	XYLENES	11/5/2018	UG/L	=	1.5	37.9547324	-122.3472005	MONITORING	17.95	8	10	EDF
T0601359733-MW-3	70.7	XYLENES	3/6/2019	UG/L	=	15	37.9547324	-122.3472005	MONITORING	17.95	8	10	EDF
T06019709731-MW-4	6.5	XYLENES	12/17/2018	UG/L	=	0.5	37.8498193	-122.2863895	MONITORING	16.77			EDF
T06019709731-MW-5	0	XYLENES	12/17/2018	UG/L	ND	0.5	37.8499131	-122.2862134	MONITORING	21.47			EDF
T06019709731-MW-6	0	XYLENES	12/17/2018	UG/L	ND	20	37.8497109	-122.2863456	MONITORING	20.78			EDF
T06019709731-MW-7	15	XYLENES	12/17/2018	UG/L	=	1	37.8498023	-122.2861456	MONITORING	21.1			EDF
T06019709731-MW-8	0	XYLENES	12/17/2018	UG/L	ND	0.5	37.8495071	-122.2863877	MONITORING	15.29			EDF
T06019709731-MW-9	0	XYLENES	12/17/2018	UG/L	ND	0.5	37.8495073	-122.2660023	MONITORING	20.72			EDF
T06019744728-MW-1RA	0	XYLENES	1/15/2019	UG/L	ND	5	37.7718672	-122.2385472	MONITORING	19.9			EDF
T06019744728-MW-1RB	0	XYLENES	1/15/2019	UG/L	ND	100	37.7718806	-122.2385549	MONITORING	12.69			EDF
T06019744728-MW-2	0	XYLENES	1/15/2019	UG/L	ND	5	37.7713799	-122.238605	MONITORING	15.57			EDF
T06019744728-MW-3	0	XYLENES	1/15/2019	UG/L	ND	5	37.7717092	-122.2387636	MONITORING	17.7			EDF
T06019744728-MW-4	0	XYLENES	1/15/2019	UG/L	ND	5	37.7717347	-122.2384042	MONITORING	20.1			EDF
T06019744728-MW-5	14	XYLENES	1/15/2019	UG/L	=	5	37.7718488	-122.2387653	MONITORING	17.68			EDF
T06019744728-MW-6	0	XYLENES	1/15/2019	UG/L	ND	5	37.7719981	-122.2387418	MONITORING	20.05			EDF
T06019775776-MW-1	0	XYLENES	9/18/2018	UG/L	ND	1.5	37.7441922	-122.2227483	MONITORING	8.44			EDF
T06019775776-MW-1	0	XYLENES	2/15/2019	UG/L	ND	1.5	37.7441922	-122.2227483	MONITORING	8.44			EDF
T06019775776-MW-10	0	XYLENES	2/15/2019	UG/L	ND	1.5	37.743851	-122.2226501	MONITORING	10.05	3	7	EDF
T06019775776-MW-10	0	XYLENES	9/18/2018	UG/L	ND	1.5	37.743851	-122.2226501	MONITORING	10.05	3	7	EDF
T06019775776-MW-11	0	XYLENES	9/18/2018	UG/L	ND	1.5	37.7435569	-122.2228055	MONITORING	9.68	3	7	EDF
T06019775776-MW-11	0	XYLENES	2/15/2019	UG/L	ND	1.5	37.7435569	-122.2228055	MONITORING	9.68	3	7	EDF
T06019775776-MW-12	0	XYLENES	9/18/2018	UG/L	ND	1.5	37.7436187	-122.2223794	MONITORING	9.94	3	7	EDF
T06019775776-MW-12	0	XYLENES	2/15/2019	UG/L	ND	1.5	37.7436187	-122.2223794	MONITORING	9.94	3	7	EDF
T06019775776-MW-13	0	XYLENES	2/15/2019	UG/L	ND	1.5	37.7433907	-122.2226614	MONITORING	9.51	3	7	EDF
T06019775776-MW-13	0	XYLENES	9/18/2018	UG/L	ND	1.5	37.7433907	-122.2226614	MONITORING	9.51	3	7	EDF
T06019775776-MW-14	0	XYLENES	9/18/2018	UG/L	ND	1.5	37.7434157	-122.2224257	MONITORING	10.03	3	7	EDF
T06019775776-MW-14	0	XYLENES	2/15/2019	UG/L	ND	1.5	37.7434157	-122.2224257	MONITORING	10.03	3	7	EDF
T06019775776-MW-15	0	XYLENES	2/15/2019	UG/L	ND	1.5	37.7434479	-122.2222172	MONITORING	10.01	3	7	EDF
T06019775776-MW-15	0	XYLENES	9/18/2018	UG/L	ND	1.5	37.7434479	-122.2222172	MONITORING	10.01	3	7	EDF
T06019775776-MW-18	2.49	XYLENES	9/18/2018	UG/L	=	1.5	37.7435722	-122.2226223	MONITORING	9.95	3	7	EDF
T06019775776-MW-2	0	XYLENES	9/18/2018	UG/L	ND	1.5	37.7438439	-122.222443	MONITORING	8.91			EDF
T06019775776-MW-2	0	XYLENES	2/15/2019	UG/L	ND	1.5	37.7438439	-122.222443	MONITORING	8.91			EDF
T06019775776-MW-3	0	XYLENES	9/18/2018	UG/L	ND	1.5	37.7432571	-122.2224306	MONITORING	12.09			EDF
T06019775776-MW-3	0	XYLENES	2/15/2019	UG/L	ND	1.5	37.7432571	-122.2224306	MONITORING	12.09			EDF
T06019775776-MW-4	0	XYLENES	9/18/2018	UG/L	ND	1.5	37.7441576	-122.2233341	MONITORING	9.99	3	7	EDF
T06019775776-MW-4	0	XYLENES	2/15/2019	UG/L	ND	1.5	37.7441576	-122.2233341	MONITORING	9.99	3	7	EDF
T06019775776-MW-5	0	XYLENES	2/15/2019	UG/L	ND	1.5	37.7442975	-122.2230839	MONITORING	9.65	3	7	EDF

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T06019775776-MW-5	0	XYLENES	9/18/2018	UG/L	ND	1.5	37.7442975	-122.2230839	MONITORING	9.65	3	7	EDF
T06019775776-MW-6	0	XYLENES	9/18/2018	UG/L	ND	1.5	37.7440808	-122.2232712	MONITORING	10.71	3	7	EDF
T06019775776-MW-6	0	XYLENES	2/15/2019	UG/L	ND	1.5	37.7440808	-122.2232712	MONITORING	10.71	3	7	EDF
T06019775776-MW-7	0	XYLENES	9/18/2018	UG/L	ND	1.5	37.7441807	-122.223087	MONITORING	10.11	3	7	EDF
T06019775776-MW-7	0	XYLENES	2/15/2019	UG/L	ND	1.5	37.7441807	-122.223087	MONITORING	10.11	3	7	EDF
T06019775776-MW-8	0	XYLENES	9/18/2018	UG/L	ND	1.5	37.7436068	-122.2230507	MONITORING	9.85	3	7	EDF
T06019775776-MW-8	0	XYLENES	2/15/2019	UG/L	ND	1.5	37.7436068	-122.2230507	MONITORING	9.85	3	7	EDF
T06019775776-MW-9	0	XYLENES	2/15/2019	UG/L	ND	1.5	37.7438962	-122.2229559	MONITORING	9.94	3	7	EDF
T06019775776-MW-9	0	XYLENES	9/18/2018	UG/L	ND	1.5	37.7438962	-122.2229559	MONITORING	9.94	3	7	EDF
T06019775776-NPORDMW-	0	XYLENES	9/18/2018	UG/L	ND	1.5	37.7446435	-122.2232224	MONITORING	16.46			EDF
T06019775776-NPORDMW-	0	XYLENES	2/15/2019	UG/L	ND	1.5	37.7446435	-122.2232224	MONITORING	16.46			EDF
T06019775776-NPORDMW-	0	XYLENES	2/15/2019	UG/L	ND	1.5	37.7433972	-122.2227967	MONITORING	11.45			EDF
T06019775776-NPORDMW-	0	XYLENES	9/18/2018	UG/L	ND	1.5	37.7433972	-122.2227967	MONITORING	11.45			EDF
T0619716673-MW1	0	XYLENES	10/10/2018	UG/L	ND	0.5	37.8880384	-122.2984473	MONITORING				EDF
T0619716673-MW1	0	XYLENES	4/2/2019	UG/L	ND	0.5	37.8880384	-122.2984473	MONITORING				EDF
T0619716673-MW1A	0	XYLENES	4/2/2019	UG/L	ND	0.5	37.8880594	-122.2984529	MONITORING				EDF
T0619716673-MW2	0	XYLENES	4/2/2019	UG/L	ND	0.5	37.8879305	-122.2984079	MONITORING				EDF
T0619716673-MW2	0	XYLENES	10/10/2018	UG/L	ND	0.5	37.8879305	-122.2984079	MONITORING				EDF
T0619716673-MW2A	0	XYLENES	4/2/2019	UG/L	ND	2	37.8879459	-122.2984154	MONITORING				EDF
T0619716673-MW3	99	XYLENES	10/10/2018	UG/L	=	10	37.8878945	-122.298559	MONITORING				EDF
T0619716673-MW3	68	XYLENES	4/3/2019	UG/L	=	20	37.8878945	-122.298559	MONITORING				EDF
T0619716673-MW3A	0	XYLENES	10/10/2018	UG/L	ND	0.5	37.8879037	-122.2985623	MONITORING				EDF
T0619716673-MW3A	0	XYLENES	4/3/2019	UG/L	ND	0.5	37.8879037	-122.2985623	MONITORING				EDF
T0619716673-MW4	1.4	XYLENES	4/2/2019	UG/L	=	0.5	37.8878851	-122.2986883	MONITORING				EDF
T0619716673-MW4	4.2	XYLENES	10/10/2018	UG/L	=	2	37.8878851	-122.2986883	MONITORING				EDF
T0619716673-MW4A	0	XYLENES	4/2/2019	UG/L	ND	0.5	37.8879015	-122.298688	MONITORING				EDF
T0619716673-MW5	9.3	XYLENES	10/10/2018	UG/L	=	1	37.8879453	-122.2987089	MONITORING				EDF
T0619716673-MW5	1.4	XYLENES	4/3/2019	UG/L	=	0.5	37.8879453	-122.2987089	MONITORING				EDF
T0619716673-MW5A	3.3	XYLENES	4/3/2019	UG/L	=	0.5	37.8879494	-122.2986944	MONITORING				EDF
T0619716673-MW6	0	XYLENES	4/2/2019	UG/L	ND	0.5	37.8879988	-122.2987277	MONITORING				EDF
T0619716673-MW6	0	XYLENES	10/10/2018	UG/L	ND	0.5	37.8879988	-122.2987277	MONITORING				EDF
T0619716673-MW6A	0	XYLENES	4/2/2019	UG/L	ND	0.5	37.8879844	-122.2987304	MONITORING				EDF
T0619716673-MW7	7.5	XYLENES	10/10/2018	UG/L	=	4	37.8878386	-122.2987881	MONITORING				EDF
T0619716673-MW7	0	XYLENES	4/2/2019	UG/L	ND	0.5	37.8878386	-122.2987881	MONITORING				EDF
T0619716673-MW8	0	XYLENES	10/10/2018	UG/L	ND	0.5	37.887992	-122.2991575	MONITORING				EDF
T0619716673-MW8	0	XYLENES	4/2/2019	UG/L	ND	0.5	37.887992	-122.2991575	MONITORING				EDF
T0619716673-MW9	0	XYLENES	4/2/2019	UG/L	ND	0.5	37.8879136	-122.2991332	MONITORING				EDF

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T0619716673-MW9	0	XYLENES	10/10/2018	UG/L	ND	0.5	37.8879136	-122.2991332	MONITORING				EDF
T0619748201-MW-101	98	XYLENES	11/20/2018	UG/L	=	12	37.8479522	-122.2653964	MONITORING	20			EDF
T0619748201-MW-101	110	XYLENES	11/20/2018	UG/L	=	5	37.8479522	-122.2653964	MONITORING	20			EDF
T0619748201-MW-102	0	XYLENES	11/20/2018	UG/L	ND	0.5	37.8480592	-122.2653564	MONITORING	20			EDF
T0619748201-MW-103	81	XYLENES	11/20/2018	UG/L	=	5	37.8479122	-122.2653311	MONITORING	20			EDF
T0619748201-MW-103	55	XYLENES	11/20/2018	UG/L	=	5	37.8479122	-122.2653311	MONITORING	20			EDF
T0619748201-MW-104	0	XYLENES	11/20/2018	UG/L	ND	0.5	37.847894	-122.26551	MONITORING	20			EDF
T0619748201-MW-105	0	XYLENES	11/20/2018	UG/L	ND	0.5	37.847826	-122.265374	MONITORING	20			EDF
T10000003428-MW-1	280	XYLENES	2/12/2019	UG/L	=	10	37.7988535	-122.2728792	MONITORING	29.72			EDF
T10000003428-MW-1	1400	XYLENES	8/14/2018	UG/L	=	50	37.7988535	-122.2728792	MONITORING	29.72			EDF
T10000003428-MW-2	120	XYLENES	2/12/2019	UG/L	=	5	37.7986993	-122.2727808	MONITORING	29.82			EDF
T10000003428-MW-2	150	XYLENES	8/14/2018	UG/L	=	5	37.7986993	-122.2727808	MONITORING	29.82			EDF
T10000003428-MW-3	1200	XYLENES	2/12/2019	UG/L	=	25	37.7987534	-122.2729233	MONITORING	29.75			EDF
T10000003428-MW-3	3600	XYLENES	8/14/2018	UG/L	=	100	37.7987534	-122.2729233	MONITORING	29.75			EDF
T10000003428-MW-4	120	XYLENES	8/14/2018	UG/L	=	25	37.7987909	-122.2733659	MONITORING	29.73			EDF
T10000003428-MW-4	39	XYLENES	2/12/2019	UG/L	=	25	37.7987909	-122.2733659	MONITORING	29.73			EDF
T10000004218-MW-1	0	XYLENES	12/18/2018	UG/L	ND	5	37.793618	-122.2264971	MONITORING	19.78			EDF
T10000004218-MW-1	0	XYLENES	9/21/2018	UG/L	ND	5	37.793618	-122.2264971	MONITORING	19.78			EDF
T10000004218-MW-2	0	XYLENES	9/21/2018	UG/L	ND	5	37.7937056	-122.2265157	MONITORING	19.77			EDF
T10000004218-MW-2	0	XYLENES	12/18/2018	UG/L	ND	5	37.7937056	-122.2265157	MONITORING	19.77			EDF
T10000004218-MW-3	3	XYLENES	12/18/2018	UG/L	ND	25	37.79359	-122.2263791	MONITORING	19.82			EDF
T10000004218-MW-3	11	XYLENES	9/21/2018	UG/L	ND	25	37.79359	-122.2263791	MONITORING	19.82			EDF
T10000004218-MW-4	950	XYLENES	9/21/2018	UG/L	=	50	37.7935854	-122.2265479	MONITORING	19.75			EDF
T10000004218-MW-4	1300	XYLENES	12/18/2018	UG/L	=	50	37.7935854	-122.2265479	MONITORING	19.75			EDF
T10000004218-MW-5	0	XYLENES	12/18/2018	UG/L	ND	5	37.7933954	-122.2268937	MONITORING	19.95			EDF
T10000004218-MW-5	0	XYLENES	9/21/2018	UG/L	ND	5	37.7933954	-122.2268937	MONITORING	19.95			EDF
T10000005974-MW-1	101	XYLENES	8/30/2018	UG/L	=	3	37.77711382	-122.2764581	MONITORING	15.15	7	10	EDF
T10000005974-MW-2A	0	XYLENES	8/30/2018	UG/L	ND	3	37.77693441	-122.276498	MONITORING	17.35	7	10	EDF
T10000005974-MW-3A	0	XYLENES	8/30/2018	UG/L	ND	3	37.776943	-122.2762181	MONITORING	19.9	7	10	EDF
T10000006351-MW-3A	2100	XYLENES	3/27/2019	UG/L	=	20	37.61862109	-122.0348067	MONITORING				EDF
T10000006351-MW-3A	230	XYLENES	9/13/2018	UG/L	=	10	37.61862109	-122.0348067	MONITORING				EDF
T10000006351-MW-3A	940	XYLENES	12/20/2018	UG/L	=	20	37.61862109	-122.0348067	MONITORING				EDF
T10000006351-MW-4A	15	XYLENES	3/27/2019	UG/L	=	1	37.61853385	-122.034758	MONITORING				EDF
T10000006351-MW-4A	2.6	XYLENES	9/13/2018	UG/L	=	1	37.61853385	-122.034758	MONITORING				EDF
T10000006351-MW-4A	4.7	XYLENES	12/20/2018	UG/L	=	1	37.61853385	-122.034758	MONITORING				EDF
T10000006351-MW-5A	0	XYLENES	3/27/2019	UG/L	ND	1	37.61879434	-122.0347194	MONITORING				EDF
T10000006351-MW-5A	0	XYLENES	12/20/2018	UG/L	ND	1	37.61879434	-122.0347194	MONITORING				EDF

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Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top Screen (FT)	Screen Length (FT)	Source
T10000006351-MW-5A	0	XYLENES	9/13/2018	UG/L	ND	1	37.61879434	-122.0347194	MONITORING				EDF
T10000006351-MW-6A	6300	XYLENES	3/27/2019	UG/L	=	100	37.61868888	-122.0346068	MONITORING				EDF
T10000006351-MW-6A	8200	XYLENES	11/13/2018	UG/L	=	200	37.61868888	-122.0346068	MONITORING				EDF
T10000006351-MW-6A	12000	XYLENES	12/20/2018	UG/L	=	100	37.61868888	-122.0346068	MONITORING				EDF
T10000009401-MW-1	0	XYLENES	8/24/2018	UG/L	ND	5	37.7610555	-122.2453043	MONITORING	14.75	5	10	EDF
T10000009401-MW-2	3	XYLENES	8/24/2018	UG/L	ND	25	37.7609755	-122.2453638	MONITORING	14.35	5	15	EDF
T10000009401-MW-3	4	XYLENES	8/24/2018	UG/L	ND	5	37.7609586	-122.2452386	MONITORING	14.92	5	10	EDF
T10000009401-MW-4	0	XYLENES	8/24/2018	UG/L	ND	5	37.7608746	-122.2453315	MONITORING	14.98	5	10	EDF
T10000009433-MW-7	0	XYLENES	9/20/2018	UG/L	ND	3	37.8122075	-122.2798206	MONITORING				EDF
T10000009433-MW-7	0	XYLENES	1/24/2019	UG/L	ND	3	37.8122075	-122.2798206	MONITORING				EDF
T10000009433-MW-8	355	XYLENES	9/20/2018	UG/L	=	3	37.8124013	-122.2804083	MONITORING				EDF
T10000009433-MW-8	554	XYLENES	1/24/2019	UG/L	=	60	37.8124013	-122.2804083	MONITORING				EDF
T10000009433-MW-9	0	XYLENES	1/24/2019	UG/L	ND	3	37.812897	-122.2802245	MONITORING				EDF
T10000009433-MW-9	0	XYLENES	9/20/2018	UG/L	ND	3	37.812897	-122.2802245	MONITORING				EDF
T10000009600-MW-1	0	XYLENES	4/30/2019	UG/L	ND	5	37.8435637	-122.2750686	MONITORING	14.27	71.66		EDF
T10000009600-MW-1	0	XYLENES	1/15/2019	UG/L	ND	5	37.8435637	-122.2750686	MONITORING	14.27	71.66		EDF
T10000009600-MW-1	0	XYLENES	10/16/2018	UG/L	ND	5	37.8435637	-122.2750686	MONITORING	14.27	71.66		EDF
T10000009600-MW-2	0	XYLENES	10/16/2018	UG/L	ND	5	37.8434478	-122.2751266	MONITORING	14.5	72.18		EDF
T10000009600-MW-2	0	XYLENES	1/15/2019	UG/L	ND	5	37.8434478	-122.2751266	MONITORING	14.5	72.18		EDF
T10000009600-MW-2	0	XYLENES	4/30/2019	UG/L	ND	5	37.8434478	-122.2751266	MONITORING	14.5	72.18		EDF
T10000009600-MW-3	0	XYLENES	10/16/2018	UG/L	ND	5	37.843416	-122.2752136	MONITORING	14.53	72.32		EDF
T10000009600-MW-3	0	XYLENES	4/30/2019	UG/L	ND	5	37.843416	-122.2752136	MONITORING	14.53	72.32		EDF
T10000009600-MW-3	0	XYLENES	1/15/2019	UG/L	ND	5	37.843416	-122.2752136	MONITORING	14.53	72.32		EDF
T10000009600-MW-4	0	XYLENES	10/16/2018	UG/L	ND	5	37.8435206	-122.2752525	MONITORING	14.02	71.98		EDF
T10000009600-MW-4	0	XYLENES	4/30/2019	UG/L	ND	5	37.8435206	-122.2752525	MONITORING	14.02	71.98		EDF
T10000009600-MW-4	0	XYLENES	1/15/2019	UG/L	ND	5	37.8435206	-122.2752525	MONITORING	14.02	71.98		EDF
T10000009600-MW-5	0	XYLENES	4/30/2019	UG/L	ND	5	37.8435713	-122.2752522	MONITORING	14.9	71.84		EDF
T10000009600-MW-5	0	XYLENES	1/15/2019	UG/L	ND	5	37.8435713	-122.2752522	MONITORING	14.9	71.84		EDF
T10000009600-MW-5	0	XYLENES	10/16/2018	UG/L	ND	5	37.8435713	-122.2752522	MONITORING	14.9	71.84		EDF
T10000009600-MW-6	0	XYLENES	10/16/2018	UG/L	ND	5	37.8436358	-122.275172	MONITORING	14.3	71.35		EDF
T10000009600-MW-6	0	XYLENES	4/30/2019	UG/L	ND	5	37.8436358	-122.275172	MONITORING	14.3	71.35		EDF
T10000009600-MW-6	0	XYLENES	1/15/2019	UG/L	ND	5	37.8436358	-122.275172	MONITORING	14.3	71.35		EDF
T10000009940-MW-1	492	XYLENES	3/26/2019	UG/L	=	15	37.77711382	-122.2764581	MONITORING	15.6	7	10	EDF
T10000009940-MW-1	101	XYLENES	8/30/2018	UG/L	=	3	37.77711382	-122.2764581	MONITORING	15.6	7	10	EDF
T10000009940-MW-2A	0	XYLENES	3/26/2019	UG/L	ND	3	37.77693441	-122.276498	MONITORING	17.28	7	10	EDF
T10000009940-MW-2A	0	XYLENES	8/30/2018	UG/L	ND	3	37.77693441	-122.276498	MONITORING	17.28	7	10	EDF
T10000009940-MW-3A	0	XYLENES	3/26/2019	UG/L	ND	3	37.776943	-122.2762181	MONITORING	16.88	7	10	EDF

Santa Clara Valley - East Bay Plain
XYLENE

Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top Screen (FT)	Screen Length (FT)	Source
T10000009940-MW-3A	0	XYLENES	8/30/2018	UG/L	ND	3	37.776943	-122.2762181	MONITORING	16.88	7	10	EDF
T10000011091-MW-1	0	XYLENES	2/5/2019	UG/L	ND	5	37.8317301	-122.2537694	MONITORING	21.9	7	15	EDF
T10000011091-MW-1	0	XYLENES	4/26/2019	UG/L	ND	5	37.8317301	-122.2537694	MONITORING	21.9	7	15	EDF
T10000011091-MW-2	0	XYLENES	11/29/2018	UG/L	ND	5	37.8315767	-122.2537775	MONITORING	21.1	7	15	EDF
T10000011091-MW-2	0	XYLENES	4/26/2019	UG/L	ND	5	37.8315767	-122.2537775	MONITORING	21.1	7	15	EDF
T10000011091-MW-2	0	XYLENES	2/5/2019	UG/L	ND	5	37.8315767	-122.2537775	MONITORING	21.1	7	15	EDF
T10000011091-MW-3	0	XYLENES	11/29/2018	UG/L	ND	5	37.8314016	-122.2540596	MONITORING	24.69	10	15	EDF
T10000011091-MW-3	0	XYLENES	4/26/2019	UG/L	ND	5	37.8314016	-122.2540596	MONITORING	24.69	10	15	EDF
T10000011091-MW-3	0	XYLENES	2/5/2019	UG/L	ND	5	37.8314016	-122.2540596	MONITORING	24.69	10	15	EDF
T10000011211-MW-1	0	XYLENES	8/8/2018	UG/L	ND	3	37.645999	-122.128267	MONITORING	13.63	8	7	EDF
T10000011211-MW-2	0	XYLENES	8/8/2018	UG/L	ND	3	37.6461632	-122.1280873	MONITORING	14.17	6.5	7	EDF
T10000011211-MW-3	0	XYLENES	8/8/2018	UG/L	ND	3	37.6457435	-122.1285581	MONITORING	14.59	5	5	EDF
T10000011211-MW-4	0	XYLENES	8/8/2018	UG/L	ND	3	37.6461337	-122.1298916	MONITORING	14.56	10	5	EDF

Santa Clara Valley - East Bay Plain
GASOLINE

Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top of Screen (FT)	Screen Length (FT)	Source
SLT2O235331-EX-1	0	GASOLINE	3/28/2019	UG/L	ND	50	37.922585	-122.368065	MONITORING		5	7	EDF
SLT2O235331-EX-2	0	GASOLINE	3/28/2019	UG/L	ND	50	37.92205	-122.368057	MONITORING		5	7	EDF
SLT2O235331-EX-3	0	GASOLINE	3/26/2019	UG/L	ND	50	37.921385	-122.368059	MONITORING		5	7	EDF
SLT2O235331-EX-4	0	GASOLINE	3/28/2019	UG/L	ND	50	37.920877	-122.36826	MONITORING		5	7	EDF
SLT2O235331-EX-5	0	GASOLINE	3/28/2019	UG/L	ND	50	37.921231	-122.368761	MONITORING		5	7	EDF
SLT2O235331-EX-6	0	GASOLINE	3/28/2019	UG/L	ND	50	37.921977	-122.370029	MONITORING		5	7	EDF
SLT2O235331-EX-7	0	GASOLINE	3/28/2019	UG/L	ND	50	37.92166	-122.369511	MONITORING		5	7	EDF
SLT2O235331-MW-29	0	GASOLINE	3/21/2019	UG/L	ND	50	37.9210477	-122.3687638	MONITORING				EDF
SLT2O235331-MW-30	0	GASOLINE	3/21/2019	UG/L	ND	50	37.9217339	-122.3698291	MONITORING				EDF
SLT2O235331-MW-31	660	GASOLINE	3/21/2019	UG/L	=	50	37.922703	-122.3702785	MONITORING				EDF
SLT2O235331-MW-32	0	GASOLINE	3/22/2019	UG/L	ND	50	37.9243976	-122.3694939	MONITORING				EDF
SLT2O235331-MW-33	0	GASOLINE	3/27/2019	UG/L	ND	50	37.9230177	-122.3692868	MONITORING				EDF
SLT2O235331-MW-34	0	GASOLINE	3/22/2019	UG/L	ND	50	37.9238846	-122.3694716	MONITORING				EDF
SLT2O235331-MW-35	0	GASOLINE	3/27/2019	UG/L	ND	50	37.9216703	-122.3679857	MONITORING				EDF
SLT2O235331-MW-39	69	GASOLINE	3/22/2019	UG/L	=	50	37.92284443	-122.3681824	MONITORING		3	10	EDF
SLT2O235331-MW-40	210	GASOLINE	3/22/2019	UG/L	=	50	37.92312302	-122.3682621	MONITORING		2	10	EDF
SLT2O235331-MW-41	610	GASOLINE	3/26/2019	UG/L	=	50	37.92312197	-122.3685082	MONITORING		2	10	EDF
SLT2O235331-OW-1	0	GASOLINE	3/27/2019	UG/L	ND	50	37.9222141	-122.3689796	MONITORING				EDF
SLT2O235331-OW-12	0	GASOLINE	3/27/2019	UG/L	ND	50	37.9225709	-122.3695204	MONITORING				EDF
SLT2O235331-OW-16R	0	GASOLINE	3/27/2019	UG/L	ND	250	37.9227091	-122.3701448	MONITORING		3	5	EDF
SLT2O235331-OW-17	0	GASOLINE	3/27/2019	UG/L	ND	50	37.9242575	-122.3702486	MONITORING				EDF
SLT2O235331-OW-18	910	GASOLINE	3/27/2019	UG/L	=	50	37.9237161	-122.3700539	MONITORING				EDF
SLT2O235331-OW-19	0	GASOLINE	3/22/2019	UG/L	ND	50	37.9250696	-122.3699802	MONITORING				EDF
SLT2O235331-OW-21	0	GASOLINE	3/22/2019	UG/L	ND	50	37.9236958	-122.3689612	MONITORING				EDF
SLT2O235331-OW-23	0	GASOLINE	3/22/2019	UG/L	ND	50	37.9236369	-122.3680458	MONITORING				EDF
SLT2O235331-OW-24	0	GASOLINE	3/22/2019	UG/L	ND	250	37.9227526	-122.3680047	MONITORING				EDF
SLT2O235331-OW-8	0	GASOLINE	3/27/2019	UG/L	ND	50	37.921862	-122.3680887	MONITORING				EDF
SLT2O235331-OW-9	0	GASOLINE	3/27/2019	UG/L	ND	50	37.9216567	-122.3685854	MONITORING				EDF
T0600100375-MW-18	0	GASOLINE	8/16/2018	UG/L	ND	100	37.7480236	-122.2103566	MONITORING				EDF
T0600100375-MW-19A	1800	GASOLINE	8/16/2018	UG/L	=	500	37.7479606	-122.210739	MONITORING				EDF
T0600100375-MW-19B	0	GASOLINE	8/16/2018	UG/L	ND	200	37.7479745	-122.2107282	MONITORING				EDF
T0600100375-MW-19C	0	GASOLINE	8/15/2018	UG/L	ND	50	37.7479866	-122.2107205	MONITORING				EDF

Santa Clara Valley - East Bay Plain
GASOLINE

Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top of Screen (FT)	Screen Length (FT)	Source
T0600100375-MW-20A	580	GASOLINE	8/16/2018	UG/L	=	420	37.7467485	-122.2095839	MONITORING				EDF
T0600100375-MW-20B	0	GASOLINE	8/16/2018	UG/L	ND	500	37.7467349	-122.2095734	MONITORING				EDF
T0600100375-MW-20C	57	GASOLINE	8/16/2018	UG/L	=	50	37.7467207	-122.2095603	MONITORING				EDF
T0600100472-EW-1	0	GASOLINE	9/12/2018	UG/L	ND	50	37.6284142	-122.0553945	MONITORING				EDF
T0600100472-EW-1	66	GASOLINE	1/3/2019	UG/L	=	50	37.6284142	-122.0553945	MONITORING				EDF
T0600100472-EW-1	130	GASOLINE	4/16/2019	UG/L	=	50	37.6284142	-122.0553945	MONITORING				EDF
T0600100472-EW-2	0	GASOLINE	1/3/2019	UG/L	ND	50	37.62855971	-122.0555902	MONITORING		5	10	EDF
T0600100472-EW-2	0	GASOLINE	4/16/2019	UG/L	ND	50	37.62855971	-122.0555902	MONITORING		5	10	EDF
T0600100472-EW-2	0	GASOLINE	9/11/2018	UG/L	ND	50	37.62855971	-122.0555902	MONITORING		5	10	EDF
T0600100472-EW-3	280	GASOLINE	9/11/2018	UG/L	=	50	37.62858284	-122.0553087	MONITORING		5	10	EDF
T0600100472-EW-3	270	GASOLINE	1/3/2019	UG/L	=	50	37.62858284	-122.0553087	MONITORING		5	10	EDF
T0600100472-EW-3	600	GASOLINE	4/16/2019	UG/L	=	50	37.62858284	-122.0553087	MONITORING		5	10	EDF
T0600100472-EW-4	0	GASOLINE	4/17/2019	UG/L	ND	50	37.62848493	-122.0553185	MONITORING		5	10	EDF
T0600100472-EW-4	0	GASOLINE	9/11/2018	UG/L	ND	50	37.62848493	-122.0553185	MONITORING		5	10	EDF
T0600100472-EW-4	0	GASOLINE	1/3/2019	UG/L	ND	50	37.62848493	-122.0553185	MONITORING		5	10	EDF
T0600100472-EW-5	0	GASOLINE	1/3/2019	UG/L	ND	50	37.62852909	-122.0552461	MONITORING		5	10	EDF
T0600100472-EW-5	0	GASOLINE	4/17/2019	UG/L	ND	50	37.62852909	-122.0552461	MONITORING		5	10	EDF
T0600100472-EW-5	0	GASOLINE	9/11/2018	UG/L	ND	50	37.62852909	-122.0552461	MONITORING		5	10	EDF
T0600100472-EW-6	51	GASOLINE	1/4/2019	UG/L	=	50	37.62815311	-122.0554619	MONITORING		5	10	EDF
T0600100472-EW-6	140	GASOLINE	9/12/2018	UG/L	=	50	37.62815311	-122.0554619	MONITORING		5	10	EDF
T0600100472-EW-6	0	GASOLINE	4/17/2019	UG/L	ND	50	37.62815311	-122.0554619	MONITORING		5	10	EDF
T0600100472-EW-7	0	GASOLINE	9/12/2018	UG/L	ND	50	37.62825246	-122.0552671	MONITORING		5	10	EDF
T0600100472-EW-7	0	GASOLINE	1/4/2019	UG/L	ND	50	37.62825246	-122.0552671	MONITORING		5	10	EDF
T0600100472-EW-7	0	GASOLINE	4/17/2019	UG/L	ND	50	37.62825246	-122.0552671	MONITORING		5	10	EDF
T0600100472-MW-V	0	GASOLINE	1/3/2019	UG/L	ND	50	37.6285227	-122.0556238	MONITORING				EDF
T0600100472-MW-V	0	GASOLINE	4/16/2019	UG/L	ND	50	37.6285227	-122.0556238	MONITORING				EDF
T0600100472-MW-V	0	GASOLINE	9/11/2018	UG/L	ND	50	37.6285227	-122.0556238	MONITORING				EDF
T0600100472-MW-W	0	GASOLINE	4/16/2019	UG/L	ND	50	37.6284557	-122.0555571	MONITORING				EDF
T0600100472-MW-X	0	GASOLINE	1/4/2019	UG/L	ND	50	37.6283936	-122.0554982	MONITORING				EDF
T0600100472-MW-X	0	GASOLINE	4/16/2019	UG/L	ND	50	37.6283936	-122.0554982	MONITORING				EDF
T0600100472-MW-X	0	GASOLINE	9/12/2018	UG/L	ND	50	37.6283936	-122.0554982	MONITORING				EDF
T0600100472-MW-Y	0	GASOLINE	9/12/2018	UG/L	ND	50	37.6284395	-122.055306	MONITORING				EDF

Santa Clara Valley - East Bay Plain
GASOLINE

Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top of Screen (FT)	Screen Length (FT)	Source
T0600100472-MW-Y	0	GASOLINE	1/4/2019	UG/L	ND	50	37.6284395	-122.055306	MONITORING				EDF
T0600100472-MW-Y	0	GASOLINE	4/17/2019	UG/L	ND	50	37.6284395	-122.055306	MONITORING				EDF
T0600100472-MW-Z	57	GASOLINE	1/4/2019	UG/L	=	50	37.6286319	-122.055285	MONITORING				EDF
T0600100472-MW-Z	240	GASOLINE	4/16/2019	UG/L	=	50	37.6286319	-122.055285	MONITORING				EDF
T0600100472-MW-Z	0	GASOLINE	9/12/2018	UG/L	ND	50	37.6286319	-122.055285	MONITORING				EDF
T0600101089-MW-2	0	GASOLINE	12/11/2018	UG/L	ND	50	37.8983019	-122.3020521	MONITORING	11.5	5	6.5	EDF
T0600101089-MW-2	0	GASOLINE	3/19/2019	UG/L	ND	50	37.8983019	-122.3020521	MONITORING	11.5	5	6.5	EDF
T0600101089-MW-3	270	GASOLINE	12/11/2018	UG/L	=	250	37.8982637	-122.3023194	MONITORING	12	5	7	EDF
T0600101089-MW-3	110	GASOLINE	3/19/2019	UG/L	=	50	37.8982637	-122.3023194	MONITORING	12	5	7	EDF
T0600101089-STMW-1	13000	GASOLINE	3/19/2019	UG/L	=	250	37.8980857	-122.3019234	MONITORING	14	4	10	EDF
T0600101089-STMW-1	35000	GASOLINE	12/11/2018	UG/L	=	250	37.8980857	-122.3019234	MONITORING	14	4	10	EDF
T0600101089-STMW-2	5600	GASOLINE	3/19/2019	UG/L	=	250	37.8981238	-122.3017442	MONITORING	14	4	10	EDF
T0600101089-STMW-2	2600	GASOLINE	12/11/2018	UG/L	=	50	37.8981238	-122.3017442	MONITORING	14	4	10	EDF
T0600101089-STMW-3	0	GASOLINE	12/11/2018	UG/L	ND	50	37.8982476	-122.3017809	MONITORING	15	2.5	12.5	EDF
T0600101089-STMW-3	0	GASOLINE	3/19/2019	UG/L	ND	50	37.8982476	-122.3017809	MONITORING	15	2.5	12.5	EDF
T0600101089-STMW-4	0	GASOLINE	3/19/2019	UG/L	ND	50	37.8983316	-122.3019713	MONITORING	15	2	13	EDF
T0600101089-STMW-4	0	GASOLINE	12/11/2018	UG/L	ND	50	37.8983316	-122.3019713	MONITORING	15	2	13	EDF
T0600101089-STMW-5	0	GASOLINE	3/19/2019	UG/L	ND	50	37.8983733	-122.3023025	MONITORING	15	2	13	EDF
T0600101089-STMW-5	0	GASOLINE	12/11/2018	UG/L	ND	50	37.8983733	-122.3023025	MONITORING	15	2	13	EDF
T0600101089-STMW-6	3300	GASOLINE	12/11/2018	UG/L	=	50	37.8979768	-122.3021331	MONITORING	15	5	10	EDF
T0600101089-STMW-6	2100	GASOLINE	3/19/2019	UG/L	=	50	37.8979768	-122.3021331	MONITORING	15	5	10	EDF
T0600101089-STMW-7	730	GASOLINE	3/19/2019	UG/L	=	50	37.897823	-122.3022898	MONITORING	15	5	10	EDF
T0600101089-STMW-7	560	GASOLINE	12/11/2018	UG/L	=	50	37.897823	-122.3022898	MONITORING	15	5	10	EDF
T0600101848-MW-2	0	GASOLINE	8/21/2018	UG/L	ND	50	37.83323682	-122.2810973	MONITORING	19.85	5	15	EDF
T0600101848-MW-3	380	GASOLINE	8/21/2018	UG/L	=	50	37.83318558	-122.2811679	MONITORING	19.73	5	15	EDF
T0600101925-EW-1	790	GASOLINE	5/17/2019	UG/L	=	50	37.84422822	-122.2910435	MONITORING	18.71	4	15	EDF
T0600101925-EW-1	740	GASOLINE	8/21/2018	UG/L	=	50	37.84422822	-122.2910435	MONITORING	18.71	4	15	EDF
T0600101925-EW-2	2300	GASOLINE	8/21/2018	UG/L	=	50	37.84416319	-122.2907727	MONITORING	18.89	4	15	EDF
T0600101925-EW-2	860	GASOLINE	5/17/2019	UG/L	=	50	37.84416319	-122.2907727	MONITORING	18.89	4	15	EDF
T0600101925-EW-3	0	GASOLINE	5/17/2019	UG/L	ND	50	37.84397533	-122.2908994	MONITORING	18.88	4	15	EDF
T0600101925-EW-3	0	GASOLINE	8/21/2018	UG/L	ND	50	37.84397533	-122.2908994	MONITORING	18.88	4	15	EDF
T0600101925-EW-4	0	GASOLINE	5/17/2019	UG/L	ND	50	37.8439952	-122.2912892	MONITORING	18.46	4	15	EDF

Santa Clara Valley - East Bay Plain
GASOLINE

Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top of Screen (FT)	Screen Length (FT)	Source
T0600101925-EW-4	0	GASOLINE	8/21/2018	UG/L	ND	50	37.8439952	-122.2912892	MONITORING	18.46	4	15	EDF
T0600102099-AMW-1	0	GASOLINE	11/30/2018	UG/L	ND	50	37.848599	-122.293809	MONITORING		9	15	EDF
T0600102099-AMW-2	0	GASOLINE	11/30/2018	UG/L	ND	50	37.848553	-122.293436	MONITORING		9	15	EDF
T0600102099-AMW-3	720	GASOLINE	11/30/2018	UG/L	=	50	37.848784	-122.292876	MONITORING		8	15	EDF
T0600102099-MW-3	130000	GASOLINE	11/30/2018	UG/L	=	12000	37.848702	-122.292651	MONITORING		9	20	EDF
T0600102099-TMW-07	0	GASOLINE	11/30/2018	UG/L	ND	50	37.848406	-122.292408	MONITORING		22	3.5	EDF
T0600102099-TMW-07	490	GASOLINE	8/17/2018	UG/L	=	50	37.848406	-122.292408	MONITORING		22	3.5	EDF
T0600102099-TMW-08	16000	GASOLINE	8/17/2018	UG/L	=	360	37.84847	-122.292779	MONITORING		19.5	2.5	EDF
T0600102099-TMW-08	1500	GASOLINE	11/30/2018	UG/L	=	50	37.84847	-122.292779	MONITORING		19.5	2.5	EDF
T0600102099-TMW-09	200000	GASOLINE	8/17/2018	UG/L	=	5000	37.848485	-122.292761	MONITORING		6	6	EDF
T0600102099-TMW-09	190000	GASOLINE	11/30/2018	UG/L	=	25000	37.848485	-122.292761	MONITORING		6	6	EDF
T10000006351-MW-3A	4600	GASOLINE	9/13/2018	UG/L	=	1000	37.61862109	-122.0348067	MONITORING				EDF
T10000006351-MW-3A	24000	GASOLINE	3/27/2019	UG/L	=	1000	37.61862109	-122.0348067	MONITORING				EDF
T10000006351-MW-3A	13000	GASOLINE	12/20/2018	UG/L	=	500	37.61862109	-122.0348067	MONITORING				EDF
T10000006351-MW-4A	0	GASOLINE	9/13/2018	UG/L	ND	50	37.61853385	-122.034758	MONITORING				EDF
T10000006351-MW-4A	220	GASOLINE	3/27/2019	UG/L	=	50	37.61853385	-122.034758	MONITORING				EDF
T10000006351-MW-4A	73	GASOLINE	12/20/2018	UG/L	=	50	37.61853385	-122.034758	MONITORING				EDF
T10000006351-MW-5A	0	GASOLINE	3/27/2019	UG/L	ND	50	37.61879434	-122.0347194	MONITORING				EDF
T10000006351-MW-5A	0	GASOLINE	12/20/2018	UG/L	ND	50	37.61879434	-122.0347194	MONITORING				EDF
T10000006351-MW-5A	0	GASOLINE	9/13/2018	UG/L	ND	50	37.61879434	-122.0347194	MONITORING				EDF
T10000006351-MW-6A	62000	GASOLINE	12/20/2018	UG/L	=	2500	37.61868888	-122.0346068	MONITORING				EDF
T10000006351-MW-6A	54000	GASOLINE	3/27/2019	UG/L	=	5000	37.61868888	-122.0346068	MONITORING				EDF
T10000006351-MW-6A	8200	GASOLINE	11/13/2018	UG/L	=	2000	37.61868888	-122.0346068	MONITORING				EDF
T10000010738-EX-1	180	GASOLINE	8/23/2018	UG/L	=	50	37.81153096	-122.268594	MONITORING				EDF
T10000010738-EX-1	94	GASOLINE	8/27/2018	UG/L	=	50	37.81153096	-122.268594	MONITORING				EDF
T10000010738-EX-1	62	GASOLINE	9/25/2018	UG/L	=	50	37.81153096	-122.268594	MONITORING				EDF
T10000010738-EX-2	150	GASOLINE	8/23/2018	UG/L	=	50	37.81152387	-122.2685567	MONITORING				EDF
T10000010738-EX-2	150	GASOLINE	8/27/2018	UG/L	=	50	37.81152387	-122.2685567	MONITORING				EDF
T10000010738-EX-2	0	GASOLINE	9/25/2018	UG/L	ND	50	37.81152387	-122.2685567	MONITORING				EDF
T10000010738-EX-3	55	GASOLINE	8/27/2018	UG/L	=	50	37.81154357	-122.2684701	MONITORING				EDF
T10000010738-EX-3	0	GASOLINE	9/25/2018	UG/L	ND	50	37.81154357	-122.2684701	MONITORING				EDF
T10000010738-EX-3	66	GASOLINE	3/25/2019	UG/L	=	50	37.81154357	-122.2684701	MONITORING				EDF

Santa Clara Valley - East Bay Plain
GASOLINE

Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top of Screen (FT)	Screen Length (FT)	Source
T10000010738-EX-3	0	GASOLINE	2/21/2019	UG/L	ND	50	37.81154357	-122.2684701	MONITORING				EDF
T10000010738-EX-3	79	GASOLINE	8/23/2018	UG/L	=	50	37.81154357	-122.2684701	MONITORING				EDF
T10000010738-OB-2	0	GASOLINE	9/25/2018	UG/L	ND	50	37.81158983	-122.2684233	MONITORING				EDF
T10000010738-OB-2	0	GASOLINE	3/25/2019	UG/L	ND	50	37.81158983	-122.2684233	MONITORING				EDF
T10000010738-OB-2	0	GASOLINE	2/21/2019	UG/L	ND	50	37.81158983	-122.2684233	MONITORING				EDF
T10000010738-OB-2	0	GASOLINE	8/27/2018	UG/L	ND	50	37.81158983	-122.2684233	MONITORING				EDF
T10000010738-OB-2	0	GASOLINE	8/23/2018	UG/L	ND	50	37.81158983	-122.2684233	MONITORING				EDF
T10000010738-OB-4	0	GASOLINE	8/23/2018	UG/L	ND	50	37.81153553	-122.2683987	MONITORING				EDF
T10000010738-OB-4	0	GASOLINE	3/25/2019	UG/L	ND	50	37.81153553	-122.2683987	MONITORING				EDF
T10000010738-OB-4	0	GASOLINE	9/25/2018	UG/L	ND	50	37.81153553	-122.2683987	MONITORING				EDF
T10000010738-OB-4	0	GASOLINE	2/21/2019	UG/L	ND	50	37.81153553	-122.2683987	MONITORING				EDF
T10000010738-OB-4	0	GASOLINE	8/27/2018	UG/L	ND	50	37.81153553	-122.2683987	MONITORING				EDF

Santa Clara Valley - East Bay Plain
TPH

Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top Screen (FT)	Screen Length (FT)	Source
T10000004218-MW-3	0	PHC	9/21/2018	UG/L	ND	120	37.79359	-122.2263791	MONITORING	19.82			EDF
SL0002020084-MW-4	88	PHC	3/28/2019	UG/L	ND	230	37.7308308	-122.2103829	MONITORING	13.54			EDF
T10000004218-MW-1	0	PHC	12/18/2018	UG/L	ND	190	37.793618	-122.2264971	MONITORING	19.78			EDF
SL0002020084-MW-1	0	PHC	9/26/2018	UG/L	ND	230	37.7308224	-122.2105457	MONITORING	14.57			EDF
SL0002020084-MW-2	520	PHC	9/26/2018	UG/L	=	230	37.7308485	-122.2104859	MONITORING	13.45			EDF
T10000009600-MW-1	0	PHC	4/30/2019	UG/L	ND	200	37.8435637	-122.2750686	MONITORING	14.27	71.66		EDF
SL0002020084-MW-9	0	PHC	9/27/2018	UG/L	ND	230	37.7306903	-122.2100941	MONITORING	13.06			EDF
T10000004218-MW-4	1300	PHC	9/21/2018	UG/L	=	120	37.7935854	-122.2265479	MONITORING	19.75			EDF
SL0002020084-MW-5	0	PHC	9/26/2018	UG/L	ND	240	37.7310045	-122.2106504	MONITORING	13.24			EDF
T10000009600-MW-6	0	PHC	10/16/2018	UG/L	ND	190	37.8436358	-122.275172	MONITORING	14.3	71.35		EDF
SL0002020084-MW-13	0	PHC	3/29/2019	UG/L	ND	240	37.7305592	-122.2104597	MONITORING	11.4			EDF
T10000004218-MW-5	0	PHC	9/21/2018	UG/L	ND	120	37.7933954	-122.2268937	MONITORING	19.95			EDF
T10000009600-MW-1	0	PHC	1/15/2019	UG/L	ND	200	37.8435637	-122.2750686	MONITORING	14.27	71.66		EDF
SL0002020084-MW-10	0	PHC	3/29/2019	UG/L	ND	250	37.7307169	-122.2107355	MONITORING	13.3			EDF
T10000009600-MW-5	0	PHC	4/30/2019	UG/L	ND	210	37.8435713	-122.2752522	MONITORING	14.9	71.84		EDF
T10000004218-MW-4	430	PHC	12/18/2018	UG/L	=	390	37.7935854	-122.2265479	MONITORING	19.75			EDF
T10000009600-MW-3	0	PHC	4/30/2019	UG/L	ND	200	37.843416	-122.2752136	MONITORING	14.53	72.32		EDF
SL0002020084-MW-12	0	PHC	9/27/2018	UG/L	ND	230	37.7304608	-122.2103415	MONITORING	11.4			EDF
T10000009600-MW-6	0	PHC	1/15/2019	UG/L	ND	200	37.8436358	-122.275172	MONITORING	14.3	71.35		EDF
T10000004218-MW-3	0	PHC	12/18/2018	UG/L	ND	190	37.79359	-122.2263791	MONITORING	19.82			EDF
T10000009600-MW-2	0	PHC	1/15/2019	UG/L	ND	200	37.8434478	-122.2751266	MONITORING	14.5	72.18		EDF
SL0002020084-MW-12	0	PHC	3/29/2019	UG/L	ND	250	37.7304608	-122.2103415	MONITORING	11.4			EDF
SL0002020084-MW-6	0	PHC	3/28/2019	UG/L	ND	230	37.730918	-122.2106794	MONITORING	14.03			EDF
SL0002020084-MW-7	0	PHC	3/28/2019	UG/L	ND	230	37.7310244	-122.2107759	MONITORING	13.73			EDF
T10000004218-MW-5	0	PHC	12/18/2018	UG/L	ND	190	37.7933954	-122.2268937	MONITORING	19.95			EDF
SL0002020084-MW-10	0	PHC	9/27/2018	UG/L	ND	230	37.7307169	-122.2107355	MONITORING	13.3			EDF
SL0002020084-MW-5	0	PHC	3/28/2019	UG/L	ND	230	37.7310045	-122.2106504	MONITORING	13.24			EDF
SL0002020084-MW-11	520	PHC	3/28/2019	UG/L	=	240	37.7310491	-122.2110789	MONITORING	11.4			EDF
T10000009600-MW-2	0	PHC	4/30/2019	UG/L	ND	200	37.8434478	-122.2751266	MONITORING	14.5	72.18		EDF
T10000009600-MW-6	0	PHC	4/30/2019	UG/L	ND	200	37.8436358	-122.275172	MONITORING	14.3	71.35		EDF
SL0002020084-MW-1	210	PHC	3/28/2019	UG/L	ND	230	37.7308224	-122.2105457	MONITORING	14.57			EDF
T10000004218-MW-2	0	PHC	9/21/2018	UG/L	ND	120	37.7937056	-122.2265157	MONITORING	19.77			EDF
SL0002020084-MW-9	0	PHC	3/29/2019	UG/L	ND	250	37.7306903	-122.2100941	MONITORING	13.06			EDF
SL0002020084-MW-14	0	PHC	9/27/2018	UG/L	ND	240	37.7310147	-122.2109189	MONITORING	11.4			EDF
T10000009600-MW-5	0	PHC	1/15/2019	UG/L	ND	200	37.8435713	-122.2752522	MONITORING	14.9	71.84		EDF
T10000009600-MW-5	0	PHC	10/16/2018	UG/L	ND	190	37.8435713	-122.2752522	MONITORING	14.9	71.84		EDF
T10000009600-MW-3	0	PHC	10/16/2018	UG/L	ND	190	37.843416	-122.2752136	MONITORING	14.53	72.32		EDF

Santa Clara Valley - East Bay Plain

TPH

Well ID	Results	Chemical	Date	Units	Qualifier	RL	Latitude	Longitude	Well Type	Well Depth (FT)	Top Screen (FT)	Screen Length (FT)	Source
T10000009600-MW-4	0	PHC	10/16/2018	UG/L	ND	200	37.8435206	-122.2752525	MONITORING	14.02	71.98		EDF
SL0002020084-MW-7	0	PHC	9/26/2018	UG/L	ND	230	37.7310244	-122.2107759	MONITORING	13.73			EDF
T10000009600-MW-3	0	PHC	1/15/2019	UG/L	ND	200	37.843416	-122.2752136	MONITORING	14.53	72.32		EDF
SL0002020084-MW-4	0	PHC	9/26/2018	UG/L	ND	240	37.7308308	-122.2103829	MONITORING	13.54			EDF
SL0002020084-MW-13	0	PHC	9/27/2018	UG/L	ND	240	37.7305592	-122.2104597	MONITORING	11.4			EDF
SL0002020084-MW-6	0	PHC	9/26/2018	UG/L	ND	240	37.730918	-122.2106794	MONITORING	14.03			EDF
T10000009600-MW-1	0	PHC	10/16/2018	UG/L	ND	200	37.8435637	-122.2750686	MONITORING	14.27	71.66		EDF
SL0002020084-MW-14	0	PHC	3/29/2019	UG/L	ND	250	37.7310147	-122.2109189	MONITORING	11.4			EDF
SL0002020084-MW-11	350	PHC	9/27/2018	UG/L	=	240	37.7310491	-122.2110789	MONITORING	11.4			EDF
T10000009600-MW-2	0	PHC	10/16/2018	UG/L	ND	190	37.8434478	-122.2751266	MONITORING	14.5	72.18		EDF
T10000009600-MW-4	0	PHC	4/30/2019	UG/L	ND	200	37.8435206	-122.2752525	MONITORING	14.02	71.98		EDF
T10000009600-MW-4	0	PHC	1/15/2019	UG/L	ND	200	37.8435206	-122.2752525	MONITORING	14.02	71.98		EDF
T10000004218-MW-1	0	PHC	9/21/2018	UG/L	ND	120	37.793618	-122.2264971	MONITORING	19.78			EDF
SL0002020084-MW-8	0	PHC	3/29/2019	UG/L	ND	250	37.7310337	-122.2104802	MONITORING	11.4			EDF
SL0002020084-MW-8	0	PHC	9/26/2018	UG/L	ND	240	37.7310337	-122.2104802	MONITORING	11.4			EDF
T10000004218-MW-2	0	PHC	12/18/2018	UG/L	ND	190	37.7937056	-122.2265157	MONITORING	19.77			EDF

APPENDIX H

Section H-1

East Bay Watershed Surface Water – Groundwater Interaction Studies

Appendix H – Surface Water – Groundwater Interaction Studies

While creeks on the east side of the Diablo Range (e.g., in the Tri-Valley and Sunol Valley) are typically intermittent, many perennial creeks exist in the EB Plain subbasin and in uplands to the east. Late summer and fall flows in these creeks are sustained by groundwater influx from fractured bedrock in the East Bay Hills. Very low flow of less than 1 to 2 cubic feet per second (cfs) are observed in several creeks by fall, which is enough to maintain perennial flow and persistent pools in many of the East Bay Plain subbasin creeks.

While lower order streams in upland areas are typically free-flowing, the larger streams, including San Lorenzo Creek and San Leandro Creek, are controlled by dams and diversions, and are channelized or in culverts in downstream reaches. Several smaller streams that are not controlled by dams are also channelized, culverted and underground, have weirs, or storm drains or other non-natural inputs or diversions.

Recent studies of surface water-groundwater interaction

CSU East Bay students and faculty have completed M.S. theses and other studies on several creeks in the East Bay Hills, and one study on two creeks within the EB Plain subbasin is ongoing. Brief summaries of these studies are outlined below, with emphasis on topics related to surface water-groundwater interaction along the study reaches. Typically, hydrograph separation can be accomplished using stable isotopes of H_2O and other geochemical tracers (TDS, chloride, temperature), and dissolved radon applied as an indicator of groundwater discharge to streams when it is found above the detection limit of approximately 15 pCi/L.

Studies were recently initiated on Codornices Creek in Berkeley (reach between 3rd St and 10th St) and on San Lorenzo Creek in Hayward/Castro Valley (reach from just above confluence with Carlos Bee Creek to Hazel Ave. in Hayward) with the goal of characterizing surface water-groundwater interaction using isotopic and geochemical tracers. Previous studies outside of the subbasin in the East Bay Hills, include Upper Redwood Creek in Redwood Regional Park, Wildcat Creek in Tilden Park, Cull Creek above Cull Canyon, and San Lorenzo Creek above Don Castro reservoir. Pool and riffle morphology dominates along these reaches; streams are generally incised; and stream gage data are somewhat limited.

Redwood Creek main findings: http://www.worldcat.org/oclc/1004966377

This research combined tracer studies ($\delta^{18}O$, TDS and temperature) with hydrometric and GIS analysis to develop a conceptual model of the surface and subsurface hydrologic regimes for future stream restoration. Stream flow and precipitation data were manually collected to provide basic hydrometric data for this previously ungaged watershed during the water year 2010/11. Precipitation of 43.5 inches was well above the annual average of 27.48 inches and exhibited substantial variation in $\delta^{18}O$ signals, from -2.15 to -18.36 ‰, with a volume-weighted mean of -9.69 ‰ (SD 4.04, amplitude 8.3 ‰). Stream flow $\delta^{18}O$, with a discharge-weighted mean of -6.80 ‰ (SD 0.64, amplitude 1.84 ‰) was considerably damped compared to precipitation input, indicating significant influx of pre-event water that has resided in the subsurface for some time. $\delta^{18}O$ tracer estimates on the event and annual scale indicated 60% to

77% groundwater contribution. TDS estimates of groundwater inflow contribution displayed comparable agreement while temperature estimates differed significantly. Tracer mixing plots, however, illustrate tracer affinity to differing reservoirs of groundwater and the utility of multiple tracers to quantify variably-aged water masses in the subsurface. $\delta^{18}O$ tracer analysis suggests a large volume of groundwater contribution to annual stream flow with a relatively short mean residence time (MRT) while temperature analysis indicates smaller groundwater volume contributing to annual stream flow with a longer MRT. Temperature analysis on the reach scale suggests that substantial groundwater inflow exerts more control on damping stream temperature than canopy cover. This study reveals that this steeply sloped watershed has sufficient groundwater resources to maintain perennial flow in upper reaches due to high fracture density, porous geology and forest cover. Multi-tracer analysis adds dimensionality to this conceptual model, characterizing groundwater contributions of new water (< 1 mo.) at 20 to 30 percent, intermediate aged water (1 mo to 1 yr) at 60 to 70 percent and deeper, and older water (>1 yr to 60 yr) at two to five percent.

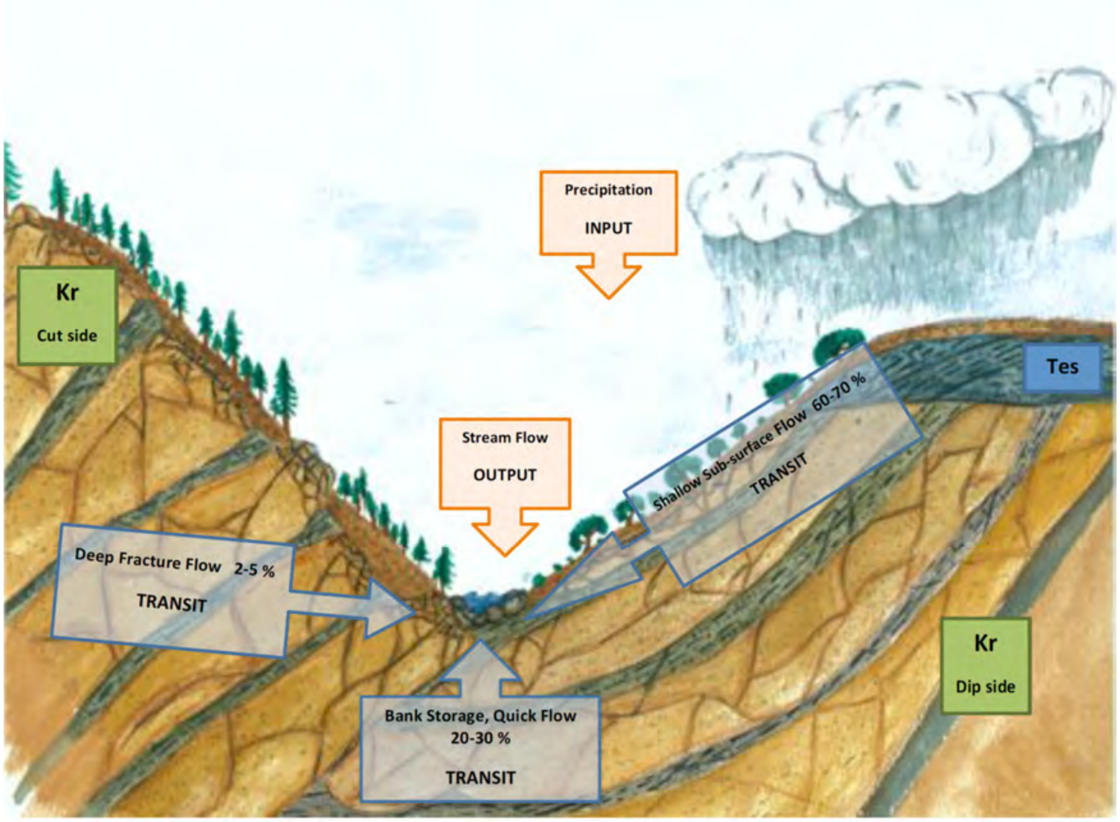


Figure H-1. Conceptual model of surface water-groundwater interaction in the Upper Redwood Creek catchment.

Upper Wildcat Creek main findings:

This study combines several isotopic tracers with water budget data to examine sources of water in the stream and the transit time distribution for the watershed. Water budget data are from CDEC, CIMIS and CalETa; stream flow was calculated from measured stage, yielding changes in cumulative groundwater storage in the range of +18 in to – 16 in.

^{222}Rn activities in stream water were analyzed to identify locations of groundwater input to the stream. The upper reaches of this small watershed, where outcrops appear in the stream bed are the primary locations of groundwater influx. Three end member mixing analysis using stable isotopes of water and chloride reveal that isotopically light, low Cl^- irrigation water, applied to the golf course, contributes 24% of stream flow generation during baseflow and 32% during a precipitation event. The seasonal variation in the isotopic signatures of precipitation events was used to calculate a mean residence time for water in the upper watershed of 1.2 years. The apparent age of stream water at baseflow was determined by tritium decay, revealing a binary age distribution, i.e., stream flow is likely sustained primarily by groundwater in a shallow flow system within Quaternary sediments in which the residence time is approximately 1 yr, and secondarily by a deeper flow system that resides in fractured basalts on the order of a decade. Grande et al. (submitted to Hydrological Processes).

Sources and transport of nutrients (nitrate and phosphate):
http://www.worldcat.org/oclc/1005082266 and Grande et al. (2019).

The main concern regarding nutrients is the observed increased frequency and duration of toxic cyanobacterial blooms in receiving bodies such as Lake Anza and Lake Temescal. Although nitrate was found to have a golf course fertilizer source to Wildcat Creek at Tilden Park, concentrations are relatively low, and phosphate at concentrations greater than 0.05 mg/L (as P), the level considered protective of aquatic ecosystems, is the likely cause of algal blooms. Water quality and isotopic testing carried out at Lake Temescal and contributing creeks revealed even higher soluble reactive phosphate concentrations, greater than 0.5 mg/L (as P). Analysis of Lake Temescal bottom sediment shows that historical deposition and re-suspension of phosphate will continue to be a problem. Records of fertilizer application, and analysis of $\delta^{18}O$ of phosphate, indicate that phosphate has a natural, lithologic source, as host sediments of the Coast Range (likely Great Valley Complex) have relatively high phosphate content. Phosphate is transported via particulate matter, and transport of phosphate to streams and lakes is accelerated by turbid runoff from developed and urbanized areas.

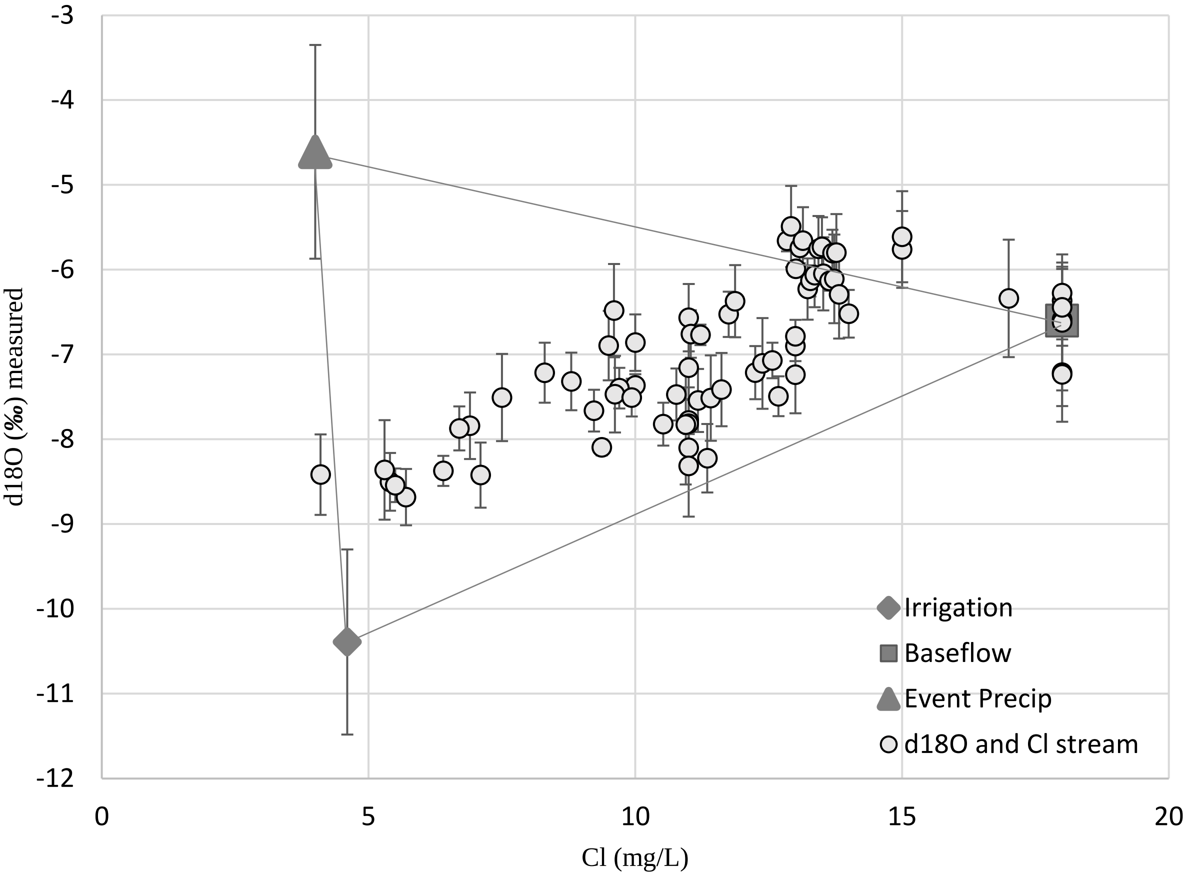


Figure H-2. Graphical representation of end members and samples taken for hydrograph separation during an event on Wildcat Creek from February 28th to March 6th, 2018. Error bars of end members represent standard deviation of the mean of measurements for the 3 end members.

Cull Creek main findings: The focus of this study was examination of groundwater inflow to Cull Creek in relation to geomorphologic features. Some high Radon activities during a baseflow survey in August 2017 indicated localized groundwater inflow, which correlated spatially with bedrock outcrops in the streambed, and with the location of a confluence with a dry tributary. Analysis of the very large runoff events of February 2017 revealed a ‘flashy’ stream with a short lag time to peak stream flow during precipitation events. Still, stream hydrograph separation indicated damping of the precipitation/overland flow signature in the stream and significant groundwater inflow during these events. Baseflow analyses of δ^{18}O and δD have mean values of -6.11, -38.07, within the range expected for mean, volume-weighted precipitation.

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Figure H-3. Aerial view of study area (along Cull Canyon Rd above the USGS gage), including radon survey point locations with dissolved radon activity, well location, and automated ISCO sampler location (37.77483, -122.06824).

Preliminary findings Codornices Creek and San Lorenzo Creek: Research is ongoing on a restored stream reach with LID features along Codornices Creek between 3rd St and 10th St on the Berkeley-Albany boundary. One LID feature, a set of bioswales at 6th St in Berkeley, is being studied in detail to examine changes in water quality during transit through the bioswale. Radon analysis shows a gradual gain from groundwater influx along the study reach. Interestingly, while the other creeks where stable isotopes were monitored during baseflow (Upper Redwood Creek, Cull Creek, Wildcat Creek above Tilden golf course, San Lorenzo Creek in Hayward) have stable isotope signatures close to or within the range of mean, integrated precipitation, indicating recharge of local water, Codornices Creek at baseflow has lighter values, indicating a significant component of imported, EBMUD water supporting streamflow during the dry season (Figure H-4).

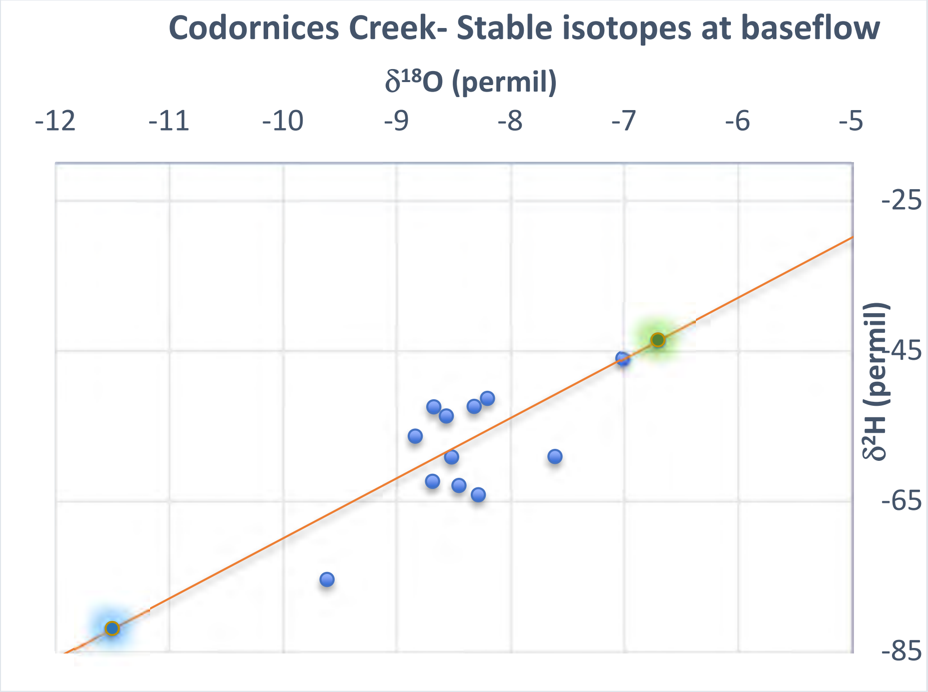


Figure H-4. Preliminary results from Codornices Creek at baseflow (October, 2019). Creek samples are a mixture of local precipitation (approximate range shown in green cloud) and imported water (approximate range shown in blue cloud).

Sampling is also underway at a few locations on Upper San Lorenzo Creek (e.g., at the 580 overpass), and more extensively, along Lower San Lorenzo Creek between the Japanese Gardens and Hazel Ave (Figure H-5). During a survey of careful streamflow measurements in February 2019, discharge was found to increase from 18.3 cfs to 20.4 cfs along a 2000 ft reach on Upper San Lorenzo Creek above Don Castro reservoir. Radon measurements confirmed that the reach was gaining due to groundwater influx. Stable isotope measurements at baseflow on San Lorenzo Creek average -6.2 and -47.3 for $\delta^{18}O$ and δD, within the range expected for locally-derived meteoric water.

Summary

Taken together, the studies document flashy stream behavior, with a major component of streamflow generation from groundwater, even during runoff events. Watershed transit time distribution analysis shows that the largest component of groundwater influx is from the shallow alluvium, with a small but important component from deeper sources hosted by fractured bedrock. Streamflow generation at baseflow is from locally-derived meteoric water that has resided in the subsurface for about 1 year on average, with exceptions as noted above.

In general, water quality in the studied streams is good, with dissolved oxygen concentrations in excess of 5 mg/L. However, interaction with host sediments and urban runoff result in relatively high TDS in all creeks in the East Bay. Excess phosphate is the typical cause of algal blooms, and although its ultimate source is likely geogenic, accelerated transport of sediment (and associated particulate phosphate) is due to turbid urban runoff and lack of riparian vegetation along reaches where creeks are in culverts or engineered channels.

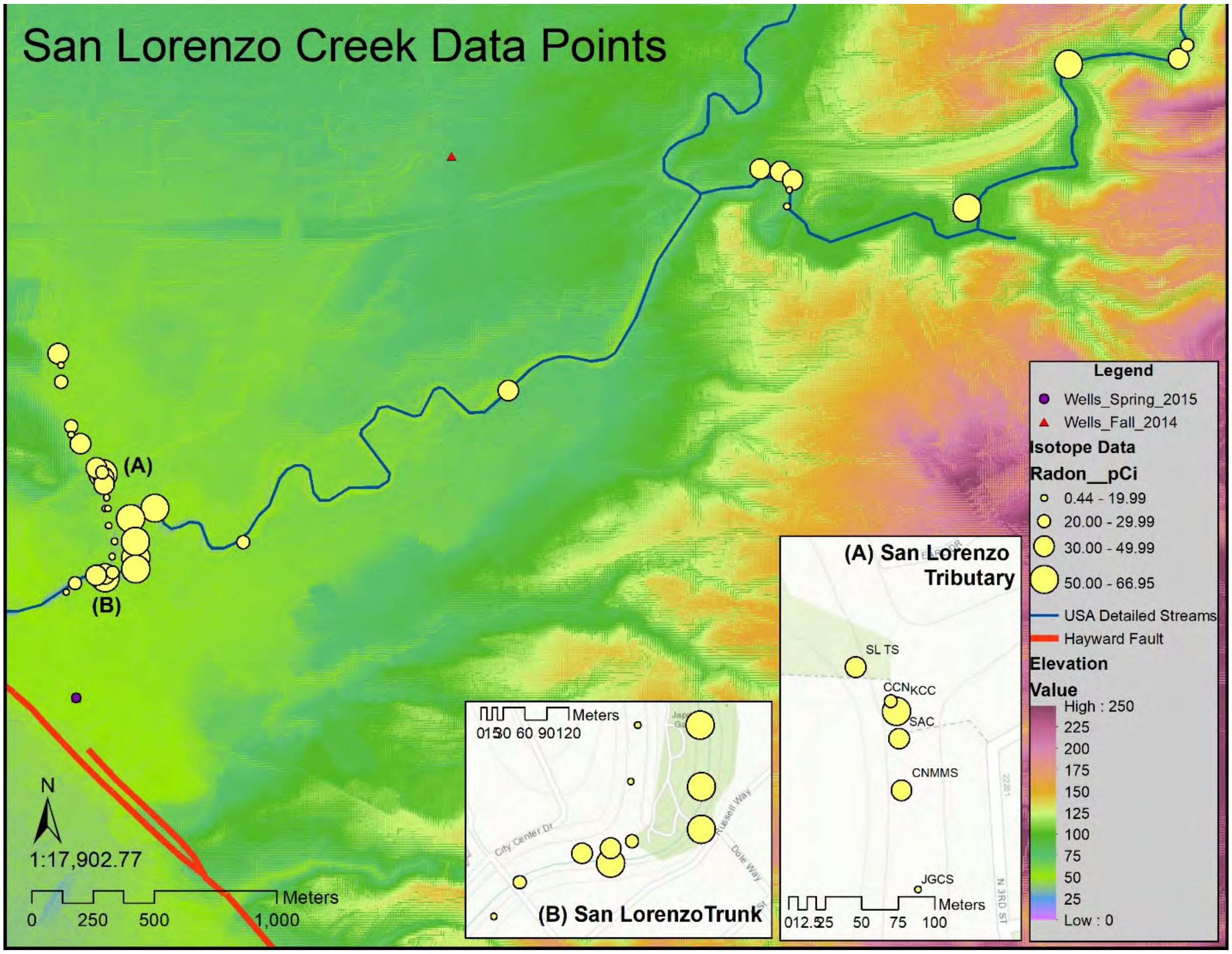
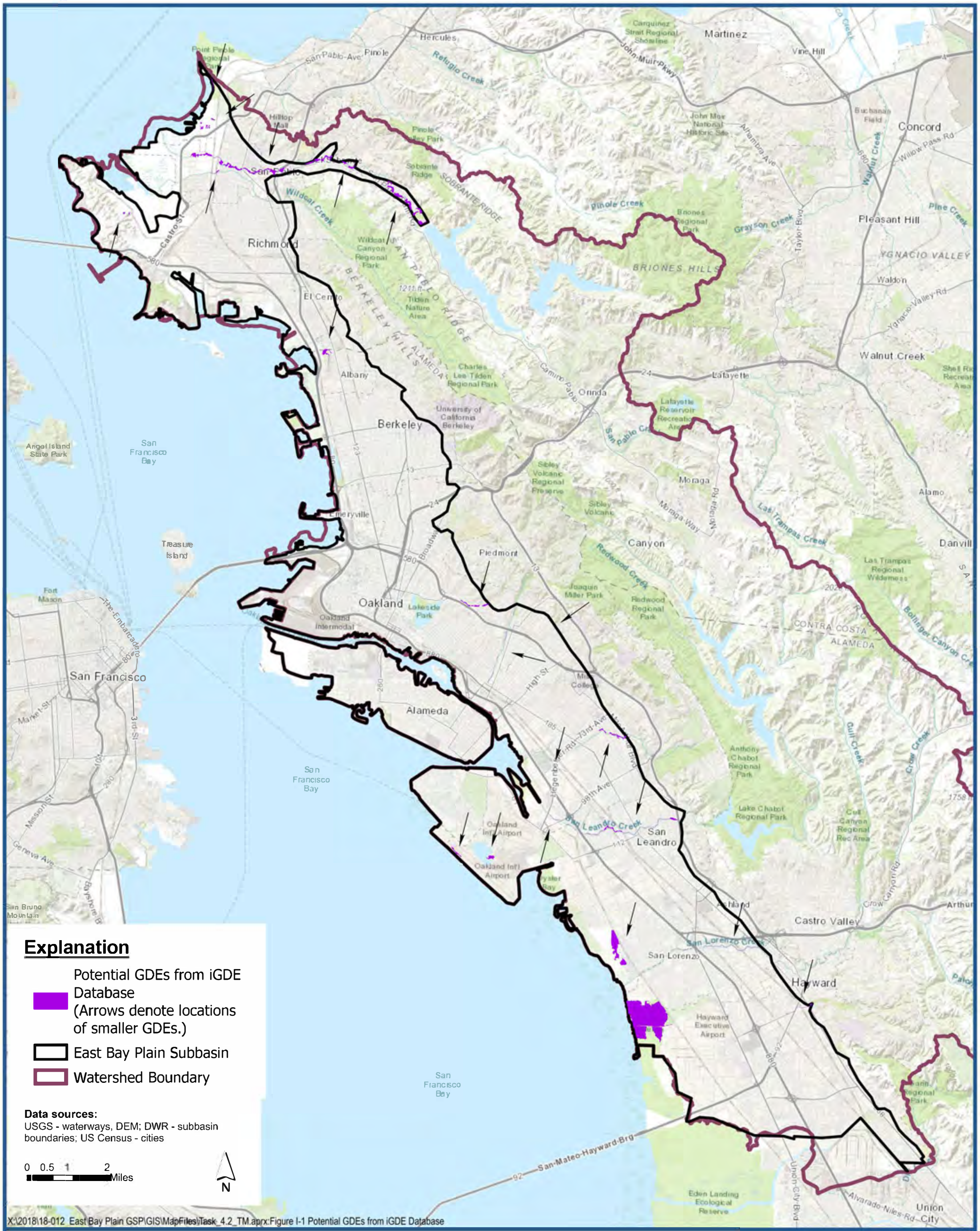


Figure H-5. Baseflow sampling locations on San Lorenzo Creek. Symbol size is proportional to radon activity, an indicator of groundwater influx.

APPENDIX I

Section I-1

Groundwater Dependent Ecosystem KMZ Files



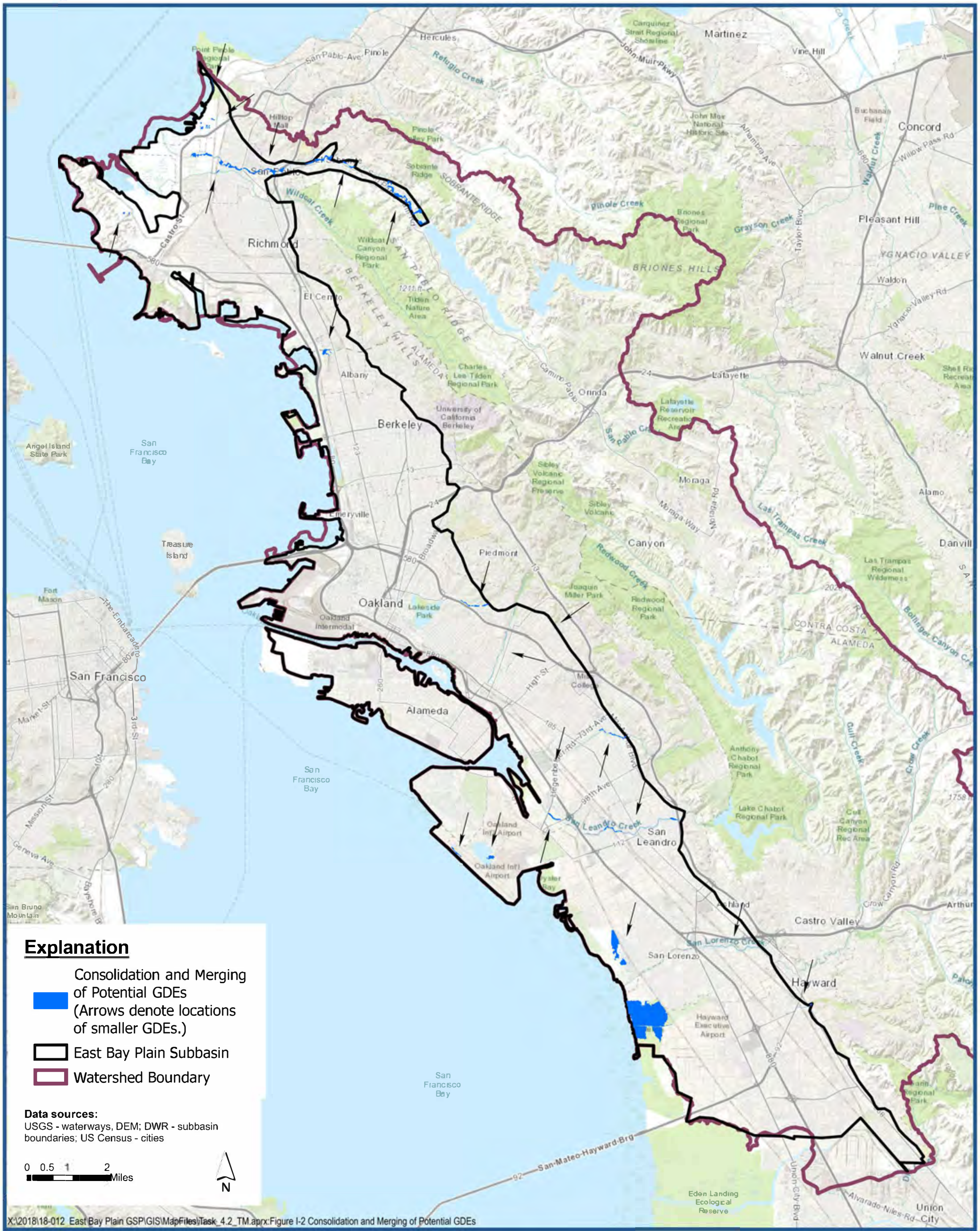
X:\2018\18-012_East Bay Plain GSP\GIS\MapFiles\Task_4.2_TM.aprx:Figure I-1 Potential GDEs from iGDE Database

Luhdorff & Scalmanini
Consulting Engineers

Map of Potential Groundwater Dependent Ecosystems (GDEs) from iGDE Database [KMZI]

Groundwater Sustainability Plan
EBMUD/East Bay Plain Subbasin

Figure I-1



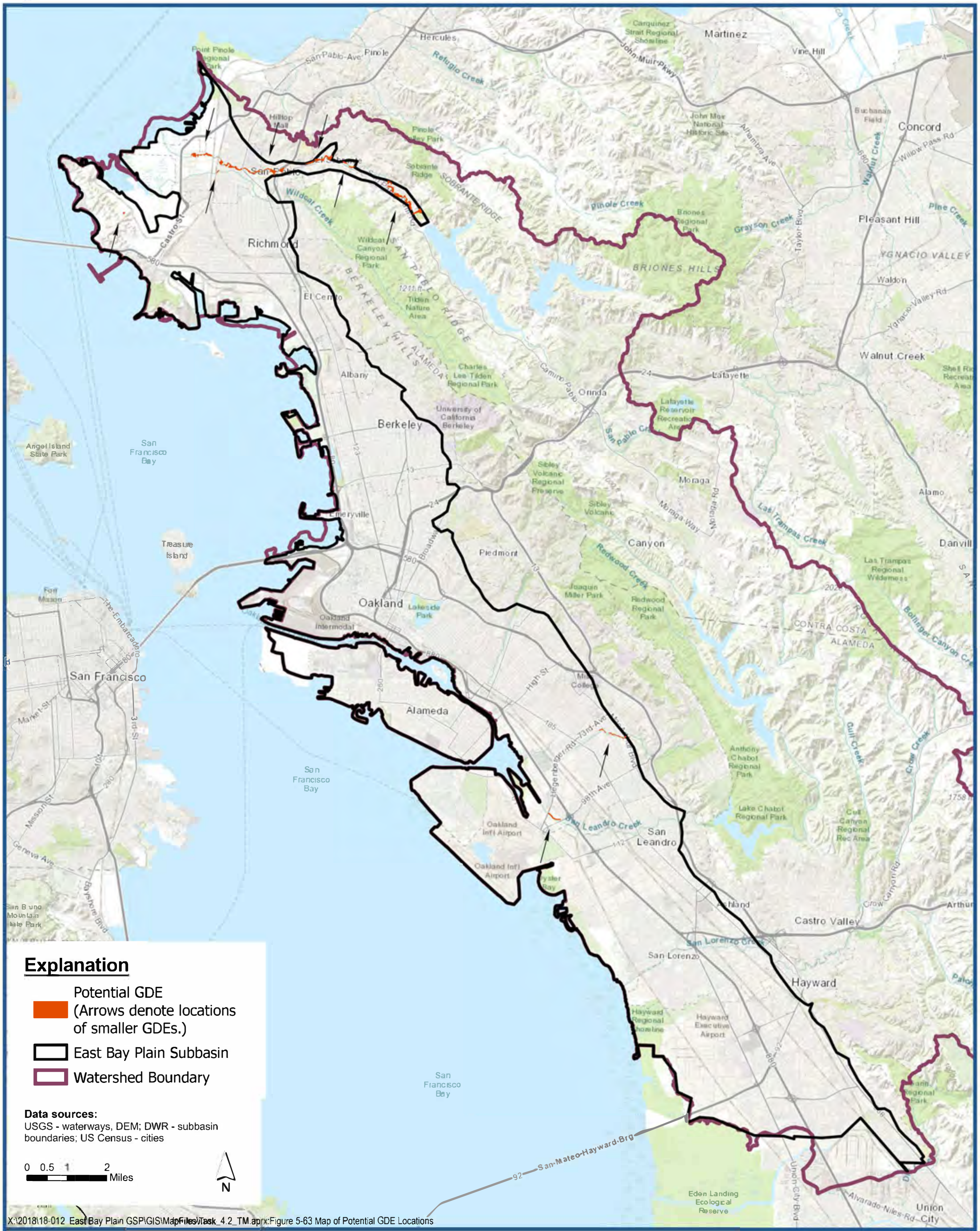
X:\2018\18-012_East Bay Plain GSP\GIS\MapFiles\Task_4.2_TM.aprx:Figure I-2 Consolidation and Merging of Potential GDEs

Luhdorff & Scalmanini
Consulting Engineers

Consolidation and Merging of Potential Groundwater Dependent Ecosystems (GDEs) [KMZ2]

Groundwater Sustainability Plan
EBMUD/East Bay Plain Subbasin

Figure I-2



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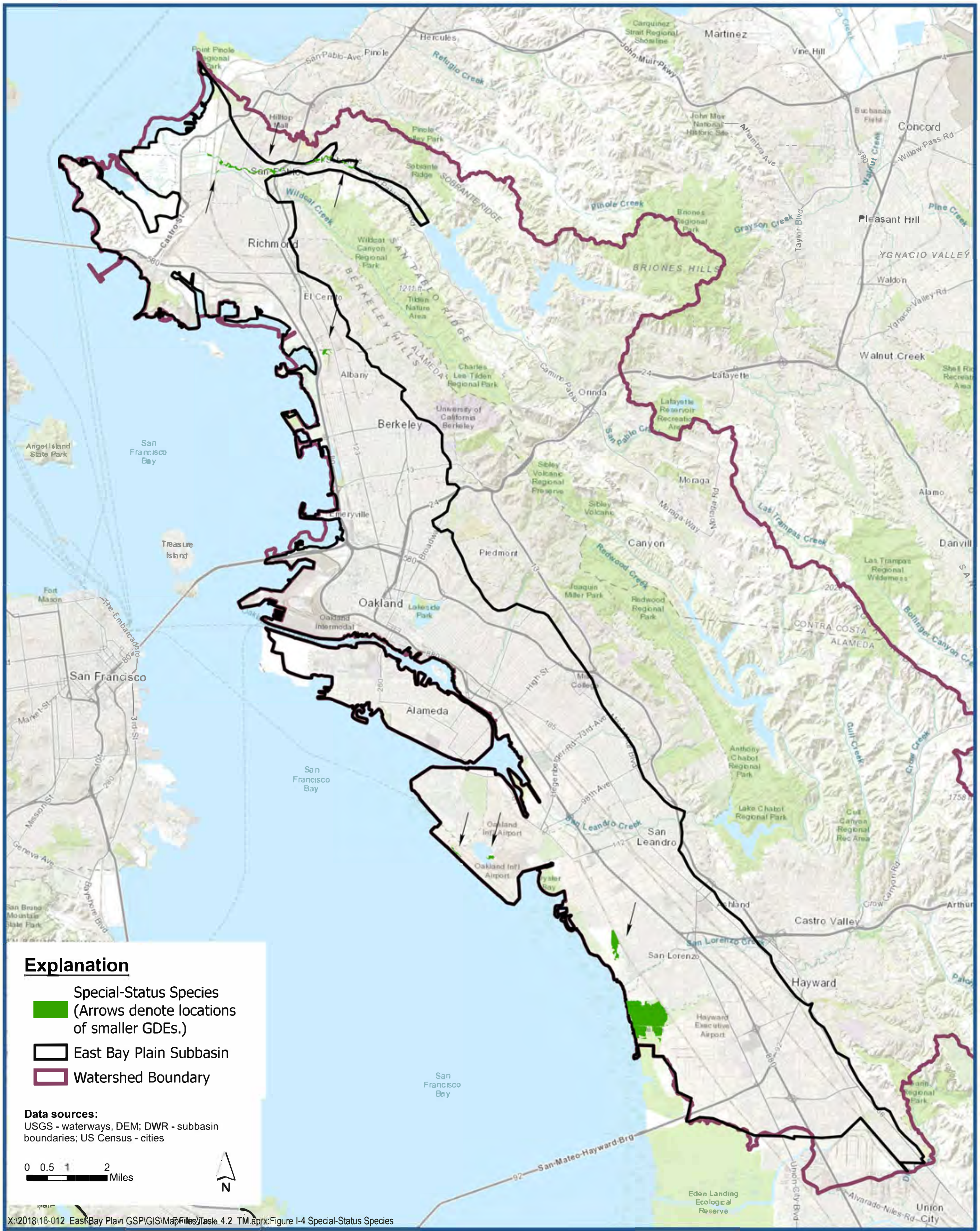
Consulting Engineers

Map of Potential Groundwater Dependent Ecosystems (GDEs) Identified [KMZ3]

Figure I-3

Groundwater Sustainability Plan
EBMUD/East Bay Plain Subbasin



Explanation

🟩 Special-Status Species (Arrows denote locations of smaller GDEs.)

□ East Bay Plain Subbasin

□ Watershed Boundary

Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

X:\2018\18-012 East Bay Plain GSP\GIS\MapFiles\Task_4.2_TM.aprx:Figure I-4 Special-Status Species

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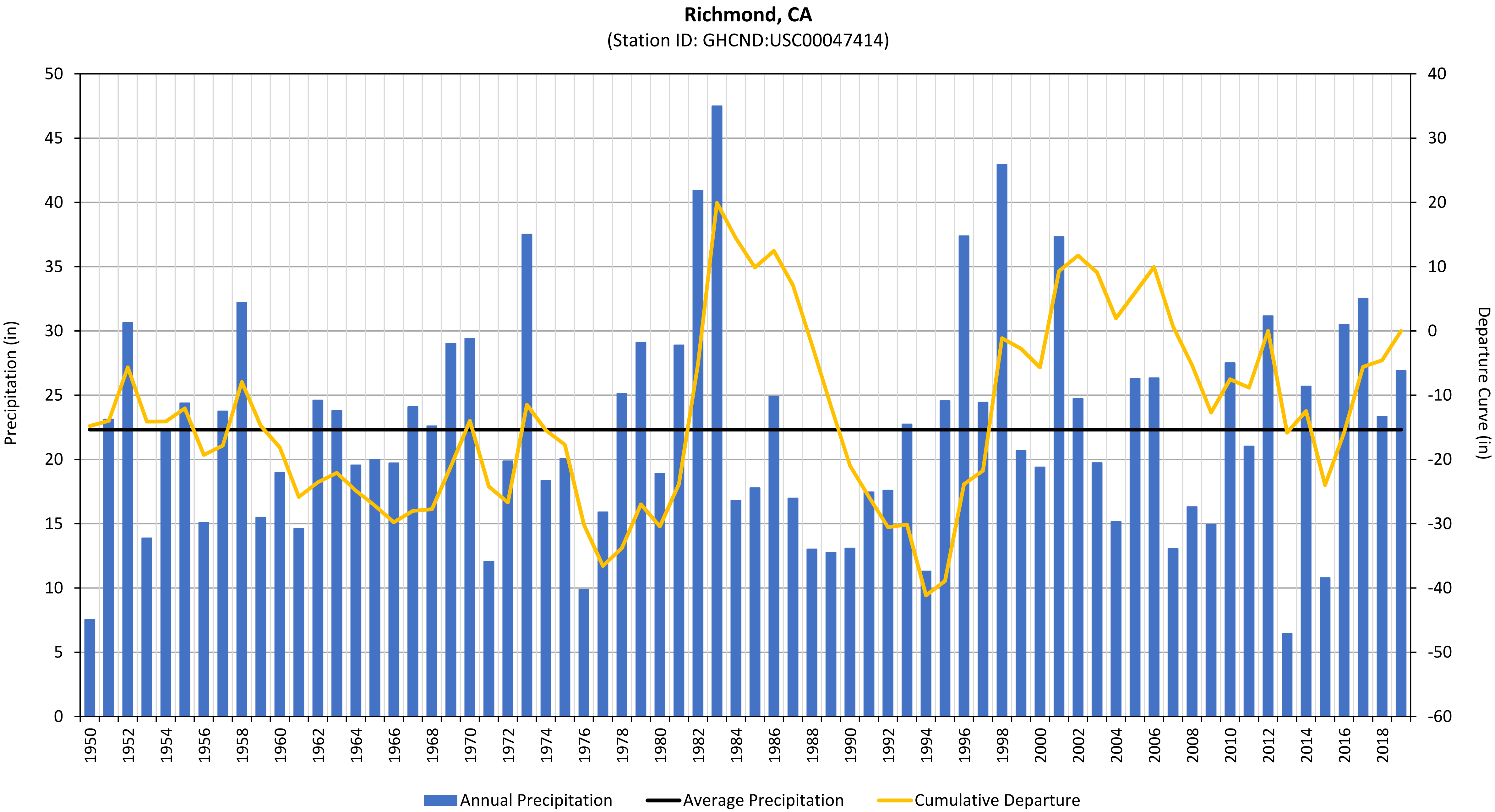
Map of Special-Status Species [KMZ4]

Groundwater Sustainability Plan
EBMUD/East Bay Plain Subbasin

Figure I-4

APPENDIX J

Figures J-1 to J-4



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Departure Curve (in)
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25
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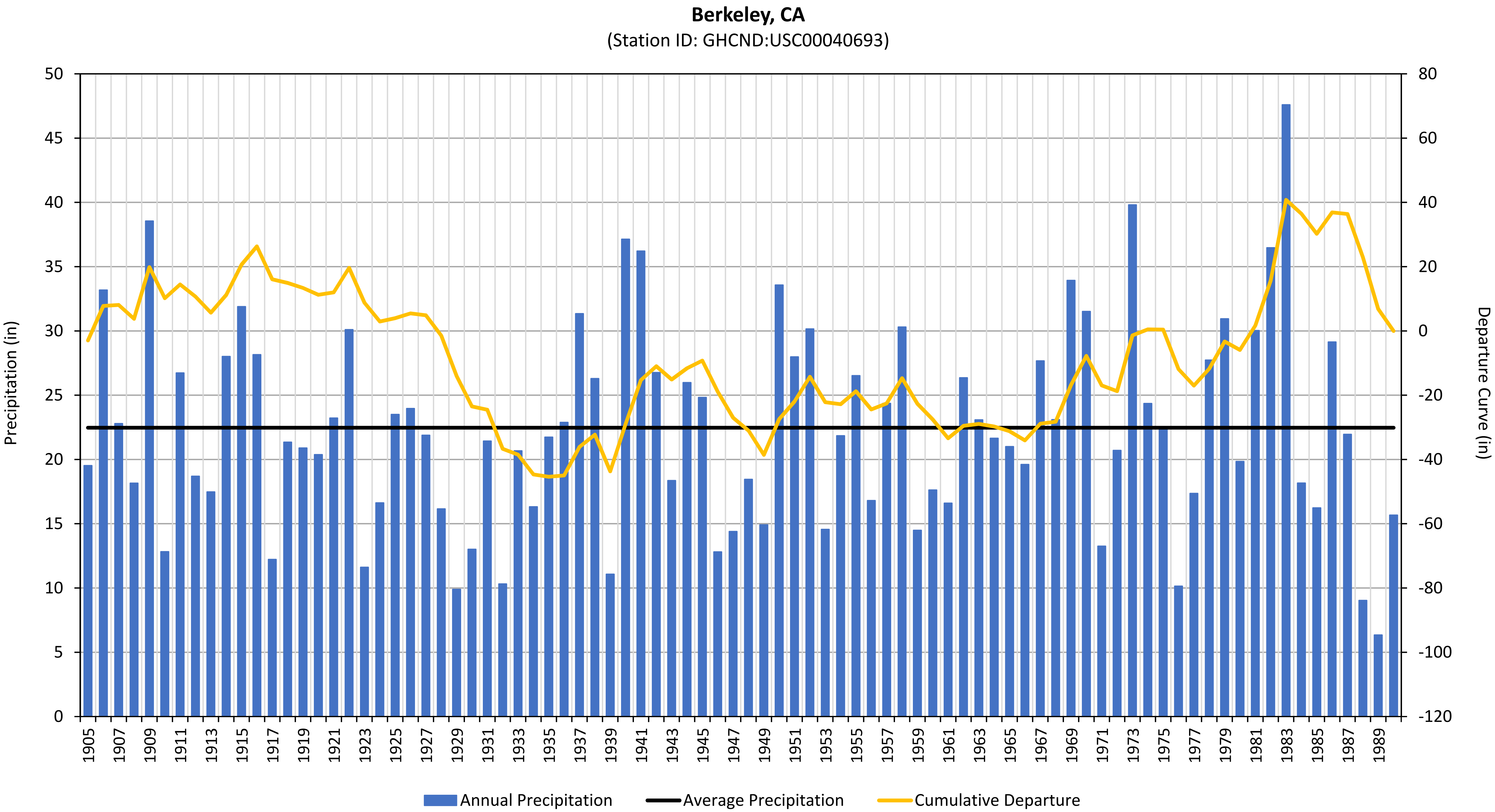

Berkeley, CA
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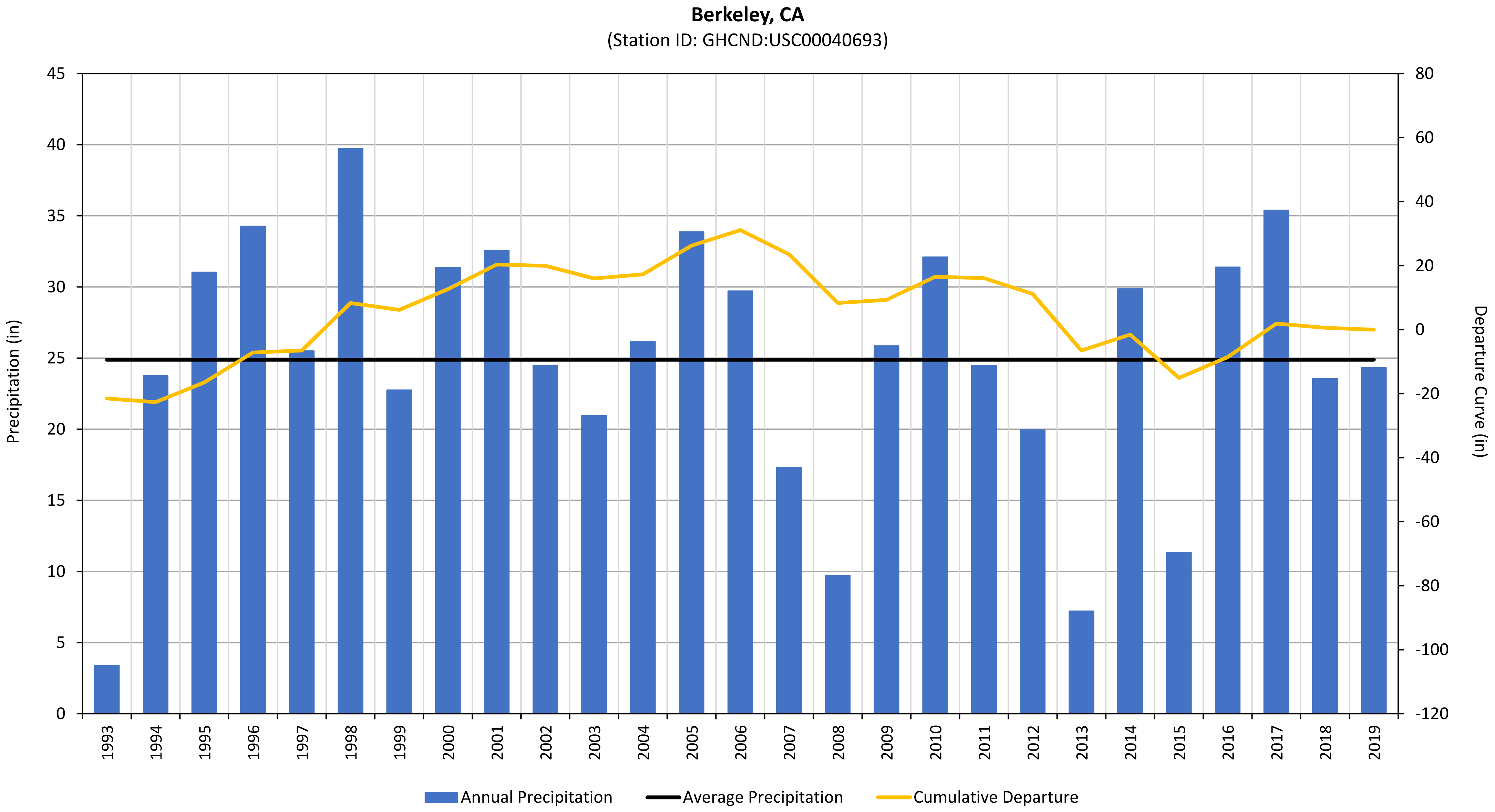
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Departure Curve (in)
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Annual Precipitation
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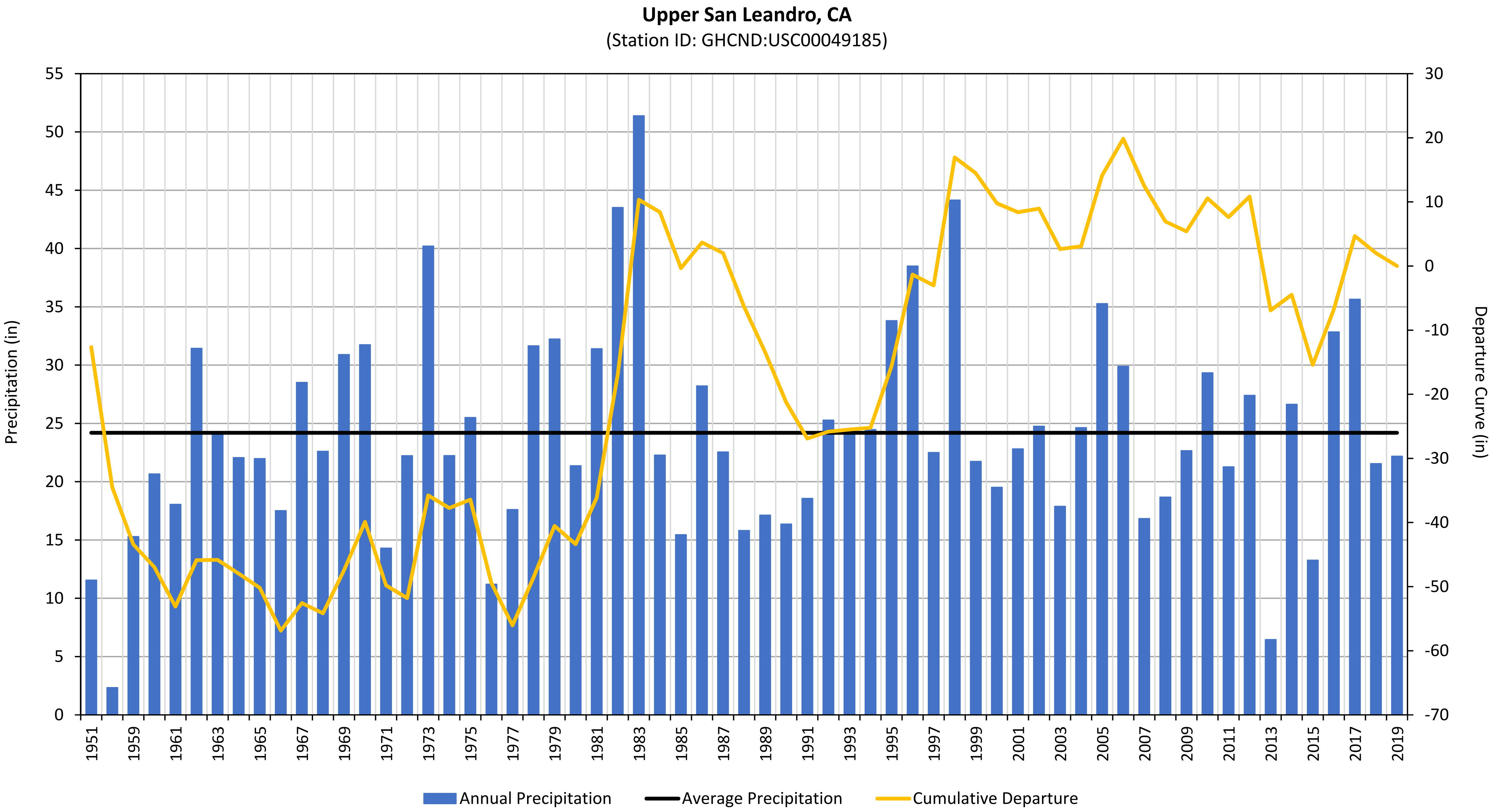
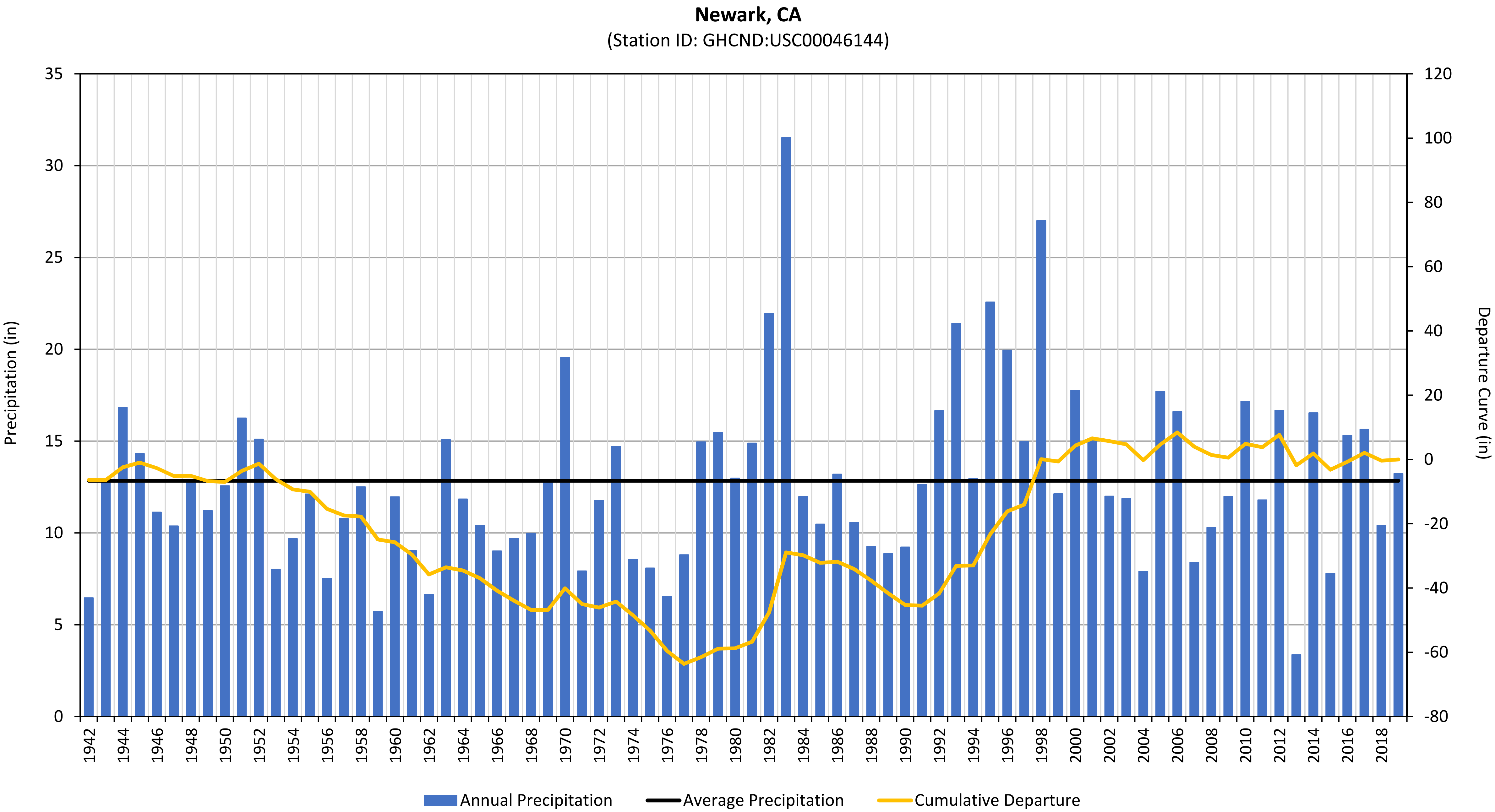
Cumulative Departure



Upper San Leandro, CA

(Station ID: GHCND:USC00049185)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(Station ID: GHCND:USC00046144)
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Departure Curve (in)
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Annual Precipitation
Average Precipitation
Cumulative Departure

APPENDIX K

Section K-1

LSCE (2003) Figures 4 and 1B

Figure A-3

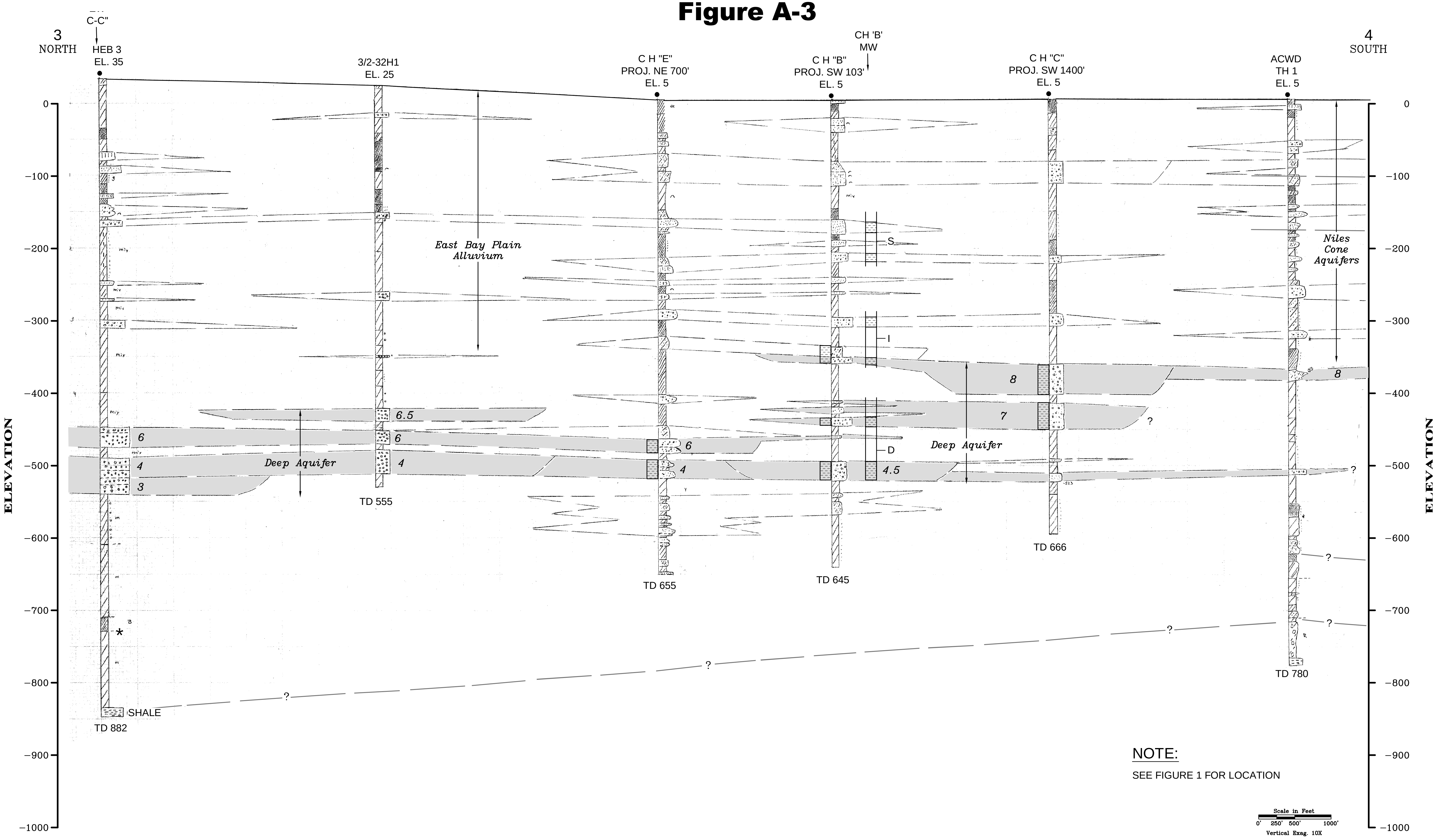

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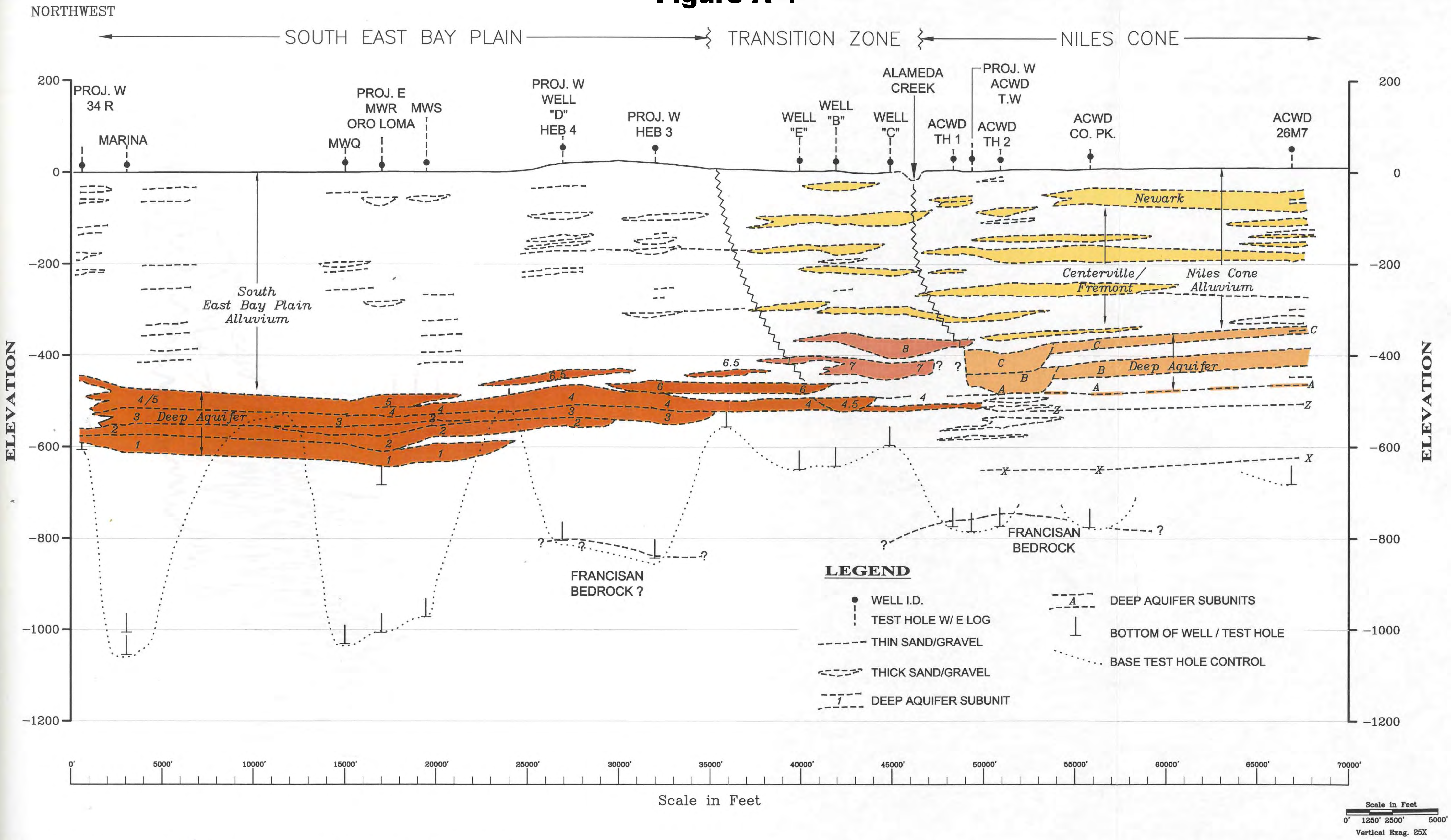
Figure 4
Geologic Cross Section North-South 3-4
East Bay Plain

Figure A-4



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LUHDORFF & SCALMANINI
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Figure 18
Generalized Geologic Cross Section of SEBP-NCGWB
East Bay Plain

Section K-2

Table A-1 from Appendix A to Exhibit 1 of City of Hayward
March 31, 2017 Comments on ACWD Alternatives

Table A-1. Comparison of Predicted vs. Actual Drawdowns at Observation Wells for LSCE Pumping Tests

		Well C Test					Well E Test					
Observation Well	Screen Interval	Distance from Pumping Well (feet)	Predicted Drawdown (feet)	Actual Drawdown (feet)	Difference (Actual - Predicted) (feet)	Percent Difference (Actual - Predicted)	Distance from Pumping Well (feet)	Predicted Drawdown (feet)	Actual Drawdown (feet)	Difference (Actual - Predicted) (feet)	Percent Difference (Actual - Predicted)	Comments
Well D	500-585	17,900	9.9	2	-7.9	-80	13,400	8.1	9	0.9	11	Well D in same aquifer as Well E (East Bay Plain); Well D has weak connection to Well C aquifer
Well B - MWD	440-450; 505-525	3,000	23.3	24	0.7	3	2,400	16.4	9	-7.4	-45	Well B in same aquifer as Well C (Niles Cone); Well B has limited connection to Well E aquifer
Well C	370-410; 422-456	-	-	-	-	-	5,050	12.9	NA	NA	NA	
Well E	470-490; 500-525	5,050	19.3	8	-11.3	-59	-	-	-	-	-	Well E in East Bay Plain Aquifer and shows limited connection to Well C (Niles Cone)
Farmhouse	500-530	30,600	6.2	<1	> -5.2	> -85	26,100	4.8	3.5	-1.3	-27	Farmhouse in same aquifer as Well E (East Bay Plain); Farmhouse shows no connection to Well C aquifer
Bayside OW3	525-565; 575-595; 625-655	29,900	6.3	<1	> -5.3	> -84	24,800	5.1	3.75	-1.4	-26	OW-3 in same aquifer as Well E (East Bay Plain); OW-3 shows no connection to Well C aquifer
Well S/MW-7	510-630	27,000	7.0	<1	> -6.0	> -86	22,000	5.6	4.4	-1.2	-21	MW-7 in same aquifer as Well E (East Bay Plain); MW-7 shows no connection to Well C aquifer
Mt. Eden	431-550	8,800	15.3	3	-12.3	-80	4,600	13.5	14	0.5	4	Mt. Eden Well in same aquifer as Well E (East Bay Plain); Mt. Eden Well shows very limited connection to Well C aquifer
10E4/Tidewater	400-440	4,550	20.1	19.0	-1.1	-5	9,450	9.7	5.4	-4.3	-44	10E4 Well in same aquifer as Well C (Niles Cone); 10E4 Well shows very limited connection to Well E aquifer
12C1/Whipple	410-487	14,250	11.6	15.0	3.4	29	19,050	6.3	4.4	-1.9	-30	12C1 Well in same aquifer as Well C (Niles Cone); 12C1 Well shows very limited connection to Well E aquifer
13P5	400-420	17,050	10.3	6.2	-4.1	-40	22,300	5.6	2.2	-3.4	-61	13P5 Well in same aquifer as Well C (Niles Cone); 13P5 Well shows very limited connection to Well E aquifer
25D1	486-516	21,500	8.6	6.8	-1.8	-21	26,450	4.8	3.8	-1.0	-21	25D1 Well in same aquifer as Well C (Niles Cone); 25D1 Well shows very limited connection to Well E aquifer
15L5/Contempo	430-470	10,950	13.5	13.5	0.0	0	15,450	7.3	3.8	-3.5	-48	15L5 Well in same aquifer as Well C (Niles Cone); 15L5 Well shows very limited connection to Well E aquifer
14D3/Lake Chad	400-450	10,500	13.8	14.0	0.2	1	15,500	7.3	3.7	-3.6	-49	14D3 Well in same aquifer as Well C (Niles Cone); 14D3 Well shows very limited connection to Well E aquifer

Notes: 1) Predicted drawdowns assume no hydraulic discontinuities across transition zone between Niles Cone and Southeast Bay Plain Groundwater basins.
2) Actual drawdowns that are significantly less than predicted for an observation well across the basin boundary from the pumping well indicates likely hydraulic discontinuity at the basin boundary.
3) Predicted drawdowns based on T = 100,000 gpd/ft; S = 0.0001; Pumping rate for Well C Test = 3,300 gpm; Pumping rate for Well E Test = 2,200 gpm; time of pumping = 14 days

STAKEHOLDER COMMENTS AND RESPONSES (NOVEMBER 18, 2020 TAC MEETING)

Comment #	Comment By	Comment Date	Subtask, TM Section	Comments	Responses	Action Taken/Date Completed
1	Erin Smith City of Alameda	11/18/20	NA	How much was the Prop 68 grant award?	$680,000	NA
2	Preston Jordan	11/18/20	4.4.3	Comment regarding the Cross-Section B-B' shown by Figure 4-14: Delineation of "Thin Sandstone Beds?" in the "Alluvial Plain Facies" is contradictory.	The Well Completion Reports (WCRs) used to generate Cross-Section B-B' were reviewed, and the description "Thin Sandstone Beds?" was modified to read "Thin Gravel Layers".	1/12/21
3	Preston Jordan	11/18/20	4.4.3	Identification of some sediments as "Bedrock"; contradictory labels show "gravel/cobbles/rock"	Review of the specific WCRs related to this comment indicate the actual lithologic description for these intervals is "Rock". WCR descriptions listed as "Rock" were included in the broader grouping of "Gravel/Cobbles/Rock". Based on assessment of the entire lithologic description on the WCRs and the regional hydrogeology, the description of "Rock" in these instances was interpreted to mean bedrock.	1/12/21
4	Margo Schueler	11/18/20	4.4.3	Are the drilling logs representing single logs or composites? Is the reason for drilling part of what might be part of the contradictions in terms - were they drilled for water well installation? Monitoring wells for contamination? High-rise building foundation support design?	There are a variety of geologic and geophysical logs available from borings/wells drilled for various purposes. We focused on deeper logs for cross-section work. Many of these wells were drilled for groundwater production purposes (municipal, industrial, irrigation, domestic). However, several logs were available for deep monitoring wells and deep borings. Geophysical logs were compiled and utilized where available.	NA
5	Preston Jordan	11/18/20	5.5	Is the amount of intermediate aquifer groundwater level decline in the 1950s/1960s (Figures 5-24 to 5-26) associated with any ground subsidence at that time given extent of Bay Mud in the area? I wonder if the Bay Muds are separated.	Historically, there has been no evidence of subsidence of any significance in the EBP Subbasin. This is also the case in Niles Cone Subbasin. The historical very low water levels do not appear to have caused subsidence. An 8-week continuous pumping test of the Deep Aquifer (at 1,400 gpm) conducted by EBMUD in 2010 generated approximately 23 ft of drawdown in the Deep Aquifer at a USGS extensometer location in San Lorenzo. The extensometer recorded 0.015 ft (0.18 inches) of elastic compaction (i.e., the compaction was reversed following cessation of pumping) at the end of the 8-week pumping period (Section 5 of TM 4.2 and Figure 5-60).	NA
6	Preston Jordan	11/18/20	6.2	Is sewer pipe outflow (referred to as I and I) considered?	Yes, LSCE accounted for leakage (Influent Infiltration) from sewer systems as part of the closure term for the water balance.	NA

7	Preston Jordan	11/18/20	NA; refers to diagram in Power Point	In reference to water balance diagram presented during the TAC meeting: Why was sewer I&I not shown on the water budget component diagram?	The sewer I&I is likely a relatively small percentage of the total flow, and is included with the surface water discharge term. This will be further clarified in the Subtask 4.2 TM text.	NA
8	Erin Smith Preston Jordan	11/18/20	6.2	Wouldn't the missing piece of the water balance be exfiltration? I&I goes in the sewer pipe and is conveyed to treatment plant. Perhaps this outflow was considered and found negligible so not shown on the slide. Should EBMUD's WWTP have an idea of the amount of GW that is in sewer pipes? Maybe so small that it isn't included – is this addressed in the report? Seems like we're missing an outflow component. Dissent Decree should have data. That information should exist; and Kristen with EBMUD should have it.	Generally, exfiltration is a term limited to sewer pipes flows that refers to leakage of wastewater out of the sanitary sewer system, which is explicitly covered in the water balance under sewer pipe leaks. I & I is also a term used for sanitary sewer systems that refers to infiltration/inflow into the sewer system (e.g., groundwater flowing into the sewer pipes), which is covered indirectly as the residual of the water balance. While the term "exfiltration" is generally not used in groundwater basin water balances, the term infiltration has a different meaning for groundwater basin water balances vs. sewer system water balances. Groundwater Water Balance - infiltration adds water to the groundwater system. Sewer System Water Balance –infiltration takes water out of the groundwater system and adds it to the sewer system. See responses to Comments 6 and 7 for how sewer exfiltration and I & I is addressed in the overall groundwater basin water balance.	NA
9	Preston Jordan Margo Schueler	11/18/20	6.4.1	Does the precipitation recharge component estimate consider increasing impermeable hard cover of urban development? Margo's question: What about changes due to increased hardscape and increased green infrastructure.	Land use is accounted for in water budget calculations, including pervious vs. impervious areas. Given the time frame of the historical water balance period (1990 to 2015), changes in percent pervious vs. impervious were likely minimal. However, significant changes in the future, were they to occur, can be incorporated in future revisions made to the groundwater model.	NA
10	Preston Jordan	11/18/20	NA; refers to diagram and discussion of Power Point	Regarding the water balance diagram presented to the TAC, sewers leak into the groundwater basin and can remove groundwater from the basin, while changes in land cover and surface-subsurface interaction are pertinent to both the calibration of the groundwater model and analyzing future scenarios. Based on this information, wouldn't EBMUD know whether groundwater is outflowing to the bay?	Noted; see responses to Comments 6, 7, and 8 related to similar comments.	NA

11	Erin Smith	11/18/20	NA	You may also be interested in the City of Alameda's The Response of the Shallow Groundwater Layer and Contaminants to Sea Level Rise. https://alameda.legistar.com/LegislationDetail.aspx?ID=4687610&GUID=0105A1A5-63A1-4188-BD4F-6F8C12BADE7F	Thank you for providing the Shallow Groundwater report, we will review it and incorporate into GSP as appropriate.	Pending
12	Preston Jordan	11/18/20	NA; refers to slides in Power Point	What is the nature of the HFB? Is the HFB a low transmissivity zone, a no flow boundary, or something else?	The Horizontal Flow Barrier package in MODFLOW acts as a “wall” creating a partial resistance to horizontal flow between model grid cells. The magnitude of horizontal flow through the HFB varies depending on the assigned conductance of the HFB (i.e., resistance to flow is a function of hydraulic conductivity and thickness), and the hydraulic gradient across the HFB. The HFB conductance can be calibrated to regional aquifer test data. Given the short distance between Hayward Wells E and B, it was noted that HFB works well for this situation because it is “installed” between grid cells.	NA
13	Preston Jordan	11/18/20	NA; refers to slides in Power Point	After group discussion of the MODFLOW HFB package, Preston noted the HFB was a nice feature available in MODFLOW.	Comment noted.	NA
14	Preston Jordan	11/18/20	NA; refers to slides in Power Point	What kind of averaging will be used for horizontal vs. vertical scaling of conductivity? Example, geometric, horizontal, harmonic? Seems like you could use boring logs to calculate the hydraulic conductivity using a harmonic mean for vertical and a geometric mean for shallow. You shouldn’t use arithmetic mean for everything.	Additional evaluation has been conducted as part of the modeling subtask (4.4) to address this comment, including assessment of harmonic mean of assigned vertical hydraulic conductivity (Kv) for the sequences of 5-ft intervals in each aquifer zone to estimate vertical K. The LSCE team is preparing a supplementary document that presents the approach for calculation of Kv from the boring log data and results of this evaluation, including maps depicting classes of ranges of Kv for each aquifer zone. The results are generally useful as a qualitative tool to identify regional variation in sediment characteristics and bracket the range of Kv values used for calibration and sensitivity analyses.	Pending
15	Preston Jordan	11/18/20	NA; refers to slides in Power Point	If it is not too difficult, it might be interesting to try different approaches to assigning initial conductivities and run the calibration (i.e., a sensitivity approach). Might not be too difficult given simply applying different averaging types to the 5-foot intervals and assigning the results to the grid cells.	Different approaches have been evaluated for classes of textures and associated estimates of hydraulic conductivity. Because of the variable quality, the boring log data are mainly useful for a qualitative mapping of the distribution of sediment textures and to help inform a range of hydraulic conductivity values for subareas for calibration and sensitivity analyses. Initial hydraulic conductivities in portions of the model domain are also based on	Pending

STAKEHOLDER COMMENTS AND RESPONSES (NOVEMBER 18, 2020 TAC MEETING)

					the previous models. More discussion will be provided in the upcoming TAC meeting on the model development/calibration Subtask 4.4.	
16	Margo Schueler	11/18/20	6.4.2 and 6.4.5	What are the dates of data used for pipeline leak inflows and irrigation inflows? Are both sources reducing quickly in EBMUD service areas, and if so, what are the future projections?	Consultants used the published Urban Water Management Plans, EBMUD's recycled water master plan, and EBMUD's water demand study. Studies conducted by John Muir (reference in Subtask 4.2 TM) in the mid-1990s included evaluation of pipe leaks. In addition, water system audit data from 2017 for EBMUD and City of Hayward were reviewed. Both the groundwater model and GSP will be updated every five years, and updated information and data for pipeline leaks and irrigation flows will be included with each update.	NA
17	Preston Jordan	11/18/20	6.4.5	What are the data sources for the pipe leaks?	Study in the 1990s by Muir and a 2017 Pipe Audit by EBMUD and City of Hayward.	NA
18	Jo Farmer	11/18/20	NA	Will there be a specific rendering of the data that clearly locates where surface water/storm water detention ponds would work particularly well?	Regional soil permeability mapping is provided in the existing TMs. More specific local information would be needed to help us model specific projects.	NA

APPENDIX 2.A.A AND 2.A.B SUPPLEMENT | DECEMBER 8, 2021

SUPPLEMENT FOR SUBTASK 4.1 DATA COMPILATION AND DATA GAPS ANALYSIS AND SUBTASK 4.2 HYDROGEOLOGY CONCEPTUAL MODEL FOR EAST BAY PLAIN SUBBASIN

PREPARED FOR

EAST BAY MUNICIPAL UTILITY DISTRICT

CITY OF HAYWARD

PREPARED BY

LSCE
TEAM

LIST OF TABLES

LIST OF ATTACHMENTS

1. INTRODUCTION

This supplement to GSP Appendix 2.A.b (Hydrogeologic Conceptual Model; HCM) was prepared as part of the overall response to public and stakeholder comments received on the September 2021 Public Review Draft East Bay Plain (EBP) Groundwater Sustainability Plan (GSP). This supplement focuses on two items related to the previously published HCM Technical Memorandum (TM) that was included as GSP Appendix 2.A.b: groundwater quality data and groundwater dependent ecosystems (GDEs).

2. APPENDIX 2.A.A GROUNDWATER QUALITY DATA

A comment received from Alameda County Water District (ACWD) noted that groundwater quality data listed in Appendix C-2 of the Subtask 4.1 Data Compilation and Data Gaps Analysis TM did not include Niles Cone Subbasin wells subsequently included on maps in Appendix F of the Subtask 4.2 HCM TM. Tables with groundwater quality data for wells located in Niles Cone Subbasin in the general transition zone area (shown in Subtask 4.2 HCM Appendix F maps) are provided in **Table 1** at the end of this supplement.

3. APPENDIX 2.A.B GROUNDWATER DEPENDENT ECOSYSTEMS

Refinements and updates to the GDE discussion provided in the Subtask 4.2 HCM TM were made based on comments received on the Public Review Draft GSP. The refinements and updates are provided below.

Section 5.7.1, Methodology of GDE Analysis, text on page 65 of Appendix 2.A.b, Hydrogeologic Conceptual Model, is revised as follows:

As a preliminary step to addressing ecological conditions of GDEs, Step 1.2 of the TNC guidance, GDE polygons were assessed for the presence of special-status species occurrence records. The term special-status species refers to plant and wildlife species that are considered sufficiently rare that they require special consideration and/or protection and should be, or currently are, listed as rare, threatened, or endangered by the federal and/or state governments. Such species are legally protected under the federal and/or state Endangered Species Acts or other regulations or are species that are considered sufficiently rare by the regulatory and scientific community to qualify for protection. While many common species (e.g., birds, raccoons, treefrogs) may utilize or be completely reliant upon GDEs, GDEs that support special-status species are likely to have a higher ecological value and pose higher risk of adverse impacts caused by groundwater conditions. Therefore, these GDEs would be prioritized for biological monitoring. Using occurrence data from the California Natural Diversity Database (CNDDB) Rarefind 5 dataset (CDFW, 2019a), aquatic or otherwise wetland or riparian-reliant special-status species were identified where occurrence records overlapped mapped GDEs. Additional sources of special-status species occurrences, including publicly available reports and literature, were also reviewed.

In addition to assessing occurrence records for special-status species, U.S. Fish and Wildlife Service (USFWS) critical habitat maps were reviewed for overlap with potential GDEs. The USFWS can designate critical habitat for species that have been listed as threatened or endangered. *Critical habitat* is defined in Federal Endangered Species Act (FESA) Section 3(5)(A) as those lands (or waters) within a listed species' current range that contain the physical or biological features that are considered essential to its conservation.

Section 5.7.2, Results of Potential GDE Analysis, text on page 67 of Appendix 2.A.b, Hydrogeologic Conceptual Model, is revised as follows:

Alteration of groundwater levels can impact the extent and quality of groundwater dependent riparian and instream habitats for wildlife and plant species by reducing access to groundwater for vegetation and altering temperature and flow regimes necessary for spawning or rearing habitat for native fish. Reduction in riparian vegetation may also negatively affect species, such as California red-legged frog (*Rana draytonii*), that rely on riparian canopy, root systems, and understory vegetation for cover or shading.

Table 2 lists wetland/riparian habitats with occurrence records overlapping mapped GDEs, and replaces Table 5-4 in the Subtask 4.2 HCM TM. These GDE locations and the associated data from CNDDB occurrence records can be found in **Attachment 1** (**KMZ 3)**. Records for steelhead (*Onchorhynchus mykiss*), western pond turtle (Emys marmorata), California red-legged frog, and San Pablo song sparrow (*Melospiza melodia samuelis*) were associated with verified GDEs. An occurrence record for western leatherwood (*Dirca occidentalis*) also intersects with GDEs identified along San Pablo Creek. However, the location for this record is vague and field verification was a recommendation noted in the CNDDB record (Occurrence Number 93).

Table 2. Special-Status Species within Mapped GDE Polygons

Common Name	Scientific Name	Status[1] (Federal/ State/Other)	Habitat Requirements	GDE locations
Birds				
San Pablo Song Sparrow	*Melospiza melodia samuelis*	-/SSC/BCC	Found in the brackish marshes vegetated with pickleweed and gumplant along San Pablo Bay.	Brackish marshes and salt marshes at San Pablo Creek and Wildcat Creek
Alameda song sparrow	*Melospiza melodia pusillula*	-/SSC/BCC	Found in the brackish marshes vegetated with pickleweed along the southern portion of the San Francisco Bay.	San Lorenzo Creek*
California Ridgway's rail	*Rallus obsoletus*	FE/SE/-	Ranges along the Pacific Coast within Monterey and San Luis Obispo Counties. Found in the tidal mudflats and sloughs of the San Francisco Bay-Delta.	Salt marsh north of Sulphur Creek* San Lorenzo Shoreline marshes* Bay Shore in Richmond*
Fish				

Common Name	Scientific Name	Status[1] (Federal/ State/Other)	Habitat Requirements	GDE locations
Steelhead (Central California Coast DPS)	*Onchorhynchus mykiss*	FT/-/-	Spawns and rears in coastal streams between the Russian River and Aptos Creek, as well as drainages tributary to San Francisco Bay, where gravelly substrate and shaded riparian habitat occurs.	San Pablo Creek Wildcat Creek San Leandro Creek San Lorenzo Creek*
Longfin smelt	*Spirinchus thaleichthys*	FC/ST/-	Juvenile and subadults predominately inhabit brackish water areas of the estuary and nearshore coastal waters. Adults return to spawn in the freshwater regions of the lower Sacramento River, near or downstream of Rio Vista, and the lower San Joaquin River downstream of Medford Island.	Occurrence records in South San Francisco Bay (may overlap GDEs mapped along bay edge)*
Mammals				
Pallid bat	*Antrozous pallidus*	-/SSC/WBWG: High	A wide variety of habitats is occupied, including grasslands, shrublands, woodlands, and forests from sea level up through mixed conifer forests. The species is most common in open, dry habitats with rocky areas for roosting. Roosts in buildings, caves, tree hollows, crevices, mines, and bridges. Sensitive to human disturbance.	Mixed riparian habitat along Cerrito Creek*

Common Name	Scientific Name	Status[1] (Federal/ State/Other)	Habitat Requirements	GDE locations
Hoary bat	*Lasiurus cinereus*	-/*/WBWG: Medium	Solitary rooster in tree foliage. Habitats include woodlands, forests, and riparian habitats with dense foliage. Winters along the coast and in Southern California. During migration can be found throughout California.	Mixed riparian habitat along Cerrito Creek*
Salt marsh harvest mouse	*Reithrodontomys raviventris*	FT/SSC/-	Inhabit pickleweed habitat and other salt marsh vegetation within the greater San Francisco Bay region.	Salt marsh north of Sulphur Creek* San Lorenzo diked wetland*
Salt marsh wandering shrew	*Sorex vagrans halicoetes*	--/SSC/--	Salt marsh habitat 6-8 feet above sea level, with abundant pickleweed and driftwood.	Johnson and Hayward Landings* Oakland Airport*
Amphibians				
California red-legged frog	*Rana draytonii*	FT/SSC/-	Breeds in fresh emergent and seasonal wetlands, and slow-moving streams. Requires 11–20 weeks of permanent water for larval development. Aestivation habitat includes oak woodlands and grasslands. Species will travel more than 1 mile from breeding habitat to access aestivation habitat.	San Pablo Creek
Reptiles				
Western pond turtle	*Emys marmorata*	--/SSC/--	Found in slow-moving rivers, streams, lakes, ponds, wetlands, reservoirs, and brackish estuarine waters with deep pools and rocks, logs, and other exposed surfaces for basking.	San Pablo Creek
Plants				

Common Name	Scientific Name	Status[1] (Federal/ State/Other)	Habitat Requirements	GDE locations
Western leatherwood	*Dirca occidentalis*	-/-/CRPR 1B.1	Broadleafed upland forest, Closed-cone coniferous forest, Chaparral, Cismontane woodland, North Coast coniferous forest, Riparian forest, Riparian woodland	Kennedy Grove Regional Park, located along San Pablo Creek

NOTES:

1 Description of status codes:

ESU = Evolutionarily Significant Unit, DPS = Distinct Population Segment

* These occurrence records were associated with GDE features that were flagged for further review

Federal Listings	**State Listings**	**Other**
FE = Listed as endangered under the FESA FT = Listed as threatened under the FESA FC = Candidate for listing under the FESA BCC = Bird of Conservation Concern (USFWS)	SE = Listed as endangered under the CESA ST= Listed as threatened under the CESA SSC = Species of Special Concern (CDFW) CE = Candidate Endangered (CDFW) FP = Fully Protected (CDFW)	BCC = USFWS Birds of Conservation Concern WBWG = Western Bay Working Group California Rare Plant Rank (CRPR) (e.g., 1B.1)

There are multiple watersheds that support small runs of the federally threatened Central California Coast (CCC) steelhead (Leidy et. al., 2005; Leidy, 2007). These watersheds include San Pablo Creek, Wildcat Creek, San Leandro Creek, and San Lorenzo Creek. At present, only small, intermittent steelhead runs are found in these systems.

Wildcat Creek likely supports a small number of steelhead in the lowermost reaches of the creek, including where GDEs were identified. However, passage barriers within the lower watershed, including flood control channels and a culvert at San Pablo Ave limits the presence of steelhead to all but the lowermost reaches of the creek. Additionally, these reaches are unlikely to support the prolonged residence of fish given the absence of suitable spawning and rearing habitat. Similarly, San Pablo Creek, San Leandro Creek, and San Lorenzo Creek may support a small number of steelhead within the EBP Subbasin boundary. Importantly, within each of these watersheds the historical stocking of rainbow trout for sport fishing within reservoirs upstream of the GDE area has occurred. As such, any *O. mykiss* (i.e., either rainbow trout or steelhead) found within the lower reaches of the creeks may be either of protected natural stock or of hatchery origin. For example, within San Leandro Creek, *O. mykiss* redds are recorded consistently downstream of Chabot Dam. While some of the redds may be formed by spawning steelhead, rainbow trout are also known to spill over Chabot Dam and thus may spawn within the lower watershed. The same phenomenon may occur to varying degrees within San Pablo and San Lorenzo Creeks.

Only one CNDDB occurrence record for California red-legged frog is present within the EBP Subbasin boundary. This record is located approximately 0.2 miles downstream of the San Pablo dam in spillway pools surrounded by oak woodland (Occurrence Number 1113). As such, California red-legged frog could occur within GDE areas identified along San Pablo Creek. California red-legged frogs use a variety of habitat types, including aquatic, riparian, and upland habitats (USFWS, 2010). They are a largely aquatic frog found at ponds and slow-moving streams that provide permanent or semi-permanent water. This species often uses vegetated shorelines or creek banks for cover and open water sites for reproduction. In the breeding season they require pools with adequate emergent vegetation on which to lay their eggs (USFWS, 2006).

Several historical records for San Pablo song sparrow (or Samuels song sparrow) exist along brackish and salt marsh portions of San Pablo Creek and Wildcat Creek. This subspecies of song sparrow is confined to tidal and muted tidal salt marshes fringing San Pablo Bay in the northern reaches of the San Francisco Bay estuary (Grinnell and Miller, 1944; Shuford and Gardali, 2008).

Special-status species with occurrence records overlapping GDEs requiring further investigation include Alameda song sparrow (*Melospiza melodia pusillula*), California Ridgway's rail (*Rallus obsoletus obsoletus*), Longfin smelt (*Spirinchus thaleichthys*), salt marsh harvest mouse (*Reithrodontomys raviventris*), salt marsh wandering shrew (*Sorex vagrans halicoetes*), hoary bat (*Lasiurus cinereus*). As previously noted, the location of the occurrence record for western leatherwood may intersect with GDEs along San Pablo creek but likely requires field verification and more precise location data. Habitat requirements for each species, included in Table 2, may be indicative of habitat present within potential GDEs and can be taken into account when further assessments are conducted. Several records for foothill yellow-legged frog (*Rana boylii*) intersected GDEs, but are not included here as all populations associated with these records are presumed to be no longer present.

Critical habitat for species associated with riparian or other aquatic habitats was not found to overlap with the EBP Subbasin boundary, with one exception. Critical habitat for the Central California Coast Distinct Population Segment (DPS) of steelhead occurs at the tidal portion of San Pablo Creek and San Lorenzo Creek. This critical habitat designation does not extend into non-tidal portions of these creeks and does not overlap with any mapped GDEs.

Section 5.7.3, Summary and Conclusions of Potential GDE Analysis, text on page 69 of Appendix 2.A.b, Hydrogeologic Conceptual Model, is revised as follows:

An estimated 147 acres of potential GDEs have been documented within the EBP Subbasin. The KMZ 2 database in **Attachment 1** provides geographic locations for each distinct GDE, as well as potential GDEs that require further review and features that were included in the original iGDE database but excluded as GDEs. The potential GDEs are primarily composed of riparian corridors with the majority being concentrated around San Pablo Creek.

This analysis did not include field investigations. While imagery analysis was sufficient to determine general habitat classifications, individual plant species were often not discernable in imagery. As a result, a detailed comparison of individual species rooting depths to groundwater depths could not be conducted for all features included in the iGDE dataset. Field investigations for the 537 acres of features flagged as needing additional data are recommended to better assess vegetation communities and hydrologic inputs.

Step 1.2 of the TNC guidance recommends characterizing the ecological value of GDE units to assist with GDE prioritization. The ecological value of a GDE is higher for those that possess more natural or near-natural conditions or include species or habitats that have legal protection (Serov et al., 2012). Eleven special-status aquatic or otherwise riparian-dependent special-status species were documented as overlapping GDE polygons. Of these species, CCC steelhead, California red-legged frog, and San Pablo song sparrow were documented as occurring within confirmed GDE polygons. All three are known to occur within the vicinity of the lower reaches of San Pablo Creek. Several other special-status species records intersected with GDE features that require further field review. Any future field investigations of potential GDEs should consider habitat requirements and suitability for these species.

4. SUMMARY

This supplement provides additional information and/or refinements to Appendices 2.A.a and 2.A.b of the EBP Subbasin GSP. The supplemental information relates to groundwater quality data and groundwater dependent ecosystems. The information in this supplement should be considered when reviewing the two appendices during GSP review.

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Table 1. Summary of Niles Cone Subbasin Groundwater Quality Data

Well ID	Subbasin	Well Use	Total Depth	Perf. Top	Perf. Bottom	Depth Zone	Dataset	ALL CONSTITUENTS				Total Dissolved Solids (TDS)				Chloride (Cl)				Nitrate (NO3-N)				Arsenic (As)				Manganese (Mn)			
								First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count
0104010-001	Niles Cone	Municipal	-	0	80	Shallow	DDW	1991	2010	19	43	1991	2004	0	2	1991	2004	0	2	1991	2010	0	13	1991	2004	0	4	1991	2004	0	2
0105014-002	Niles Cone	Municipal	-	-	-	Unknown	DDW	2001	2001	0	1	-	-	-	-	-	-	-	-	2001	2001	0	1	-	-	-	-	-	-	-	-
0110001-006	Niles Cone	Municipal	-	-	-	Unknown	DDW	1986	1991	5	25	1986	1991	0	2	1986	1991	0	2	1986	1991	0	2	1991	1991	0	1	1986	1991	0	2
0110001-008	Niles Cone	Municipal	-	122	171	Shallow	DDW	1986	2018	32	552	1986	2018	0	39	1986	2018	0	40	1986	2018	0	40	1986	2018	0	38	1986	2018	0	38
0110001-009	Niles Cone	Municipal	-	0	98	Shallow	DDW	1986	2018	32	365	1986	2018	0	25	1986	2018	0	25	1986	2018	0	28	1987	2018	0	25	1986	2018	0	26
0110001-010	Niles Cone	Municipal	-	0	80	Shallow	DDW	1986	2018	32	547	1986	2018	0	36	1986	2018	0	37	1986	2018	0	40	1992	2018	0	37	1986	2018	0	38
0110001-011	Niles Cone	Municipal	-	70	119	Shallow	DDW	1986	2018	32	420	1986	2018	0	28	1986	2018	0	28	1986	2018	0	35	2000	2018	0	29	1986	2018	0	29
0110001-013	Niles Cone	Municipal	-	0	80	Shallow	DDW	1995	2018	23	554	1995	2018	0	37	1995	2018	0	37	1995	2018	0	44	1995	2018	0	38	1995	2018	0	38
0110001-014	Niles Cone	Municipal	-	0	80	Shallow	DDW	1991	2018	27	516	1991	2018	0	35	1991	2018	0	35	1991	2018	0	38	1991	2018	0	36	1991	2018	0	36
0110001-016	Niles Cone	Municipal	-	150	325	Shallow-Intermediate	DDW	1986	2012	26	99	1986	2012	0	7	1986	2012	0	8	1986	2012	0	8	1987	2012	0	6	1986	2012	0	7
0110001-018	Niles Cone	Municipal	-	-	-	Unknown	DDW	1986	1992	6	36	1986	1991	0	2	1986	1992	0	3	1986	1992	0	3	1991	1992	0	2	1986	1992	0	3
0110001-019	Niles Cone	Municipal	-	68	131	Shallow	DDW	1987	2018	31	483	1987	2018	0	35	1987	2018	0	35	1987	2018	0	33	1987	2018	0	32	1987	2018	0	33
0110001-020	Niles Cone	Municipal	-	75	138	Shallow	DDW	1986	2018	32	542	1986	2018	0	35	1986	2018	0	37	1986	2018	0	40	1986	2018	0	38	1986	2018	0	38
0110001-021	Niles Cone	Municipal	-	80	143	Shallow	DDW	1986	2018	32	426	1986	2018	0	29	1986	2018	0	30	1986	2018	0	32	1991	2018	0	26	1986	2018	0	29
0110001-022	Niles Cone	Municipal	-	73	136	Shallow	DDW	1986	2018	32	470	1986	2018	0	33	1986	2018	0	33	1986	2018	0	32	1991	2018	0	32	1986	2018	0	33
0110001-023	Niles Cone	Municipal	-	57	120	Shallow	DDW	1986	2018	32	385	1986	2018	0	26	1986	2018	0	27	1986	2018	0	27	1992	2018	0	26	1986	2018	0	27
0110001-024	Niles Cone	Municipal	-	60	123	Shallow	DDW	1986	2018	32	528	1986	2018	0	37	1986	2018	0	38	1986	2018	0	38	1991	2018	0	34	1986	2018	0	36
0110001-025	Niles Cone	Municipal	-	54	117	Shallow	DDW	1986	2018	32	490	1986	2018	0	33	1986	2017	0	33	1986	2018	0	36	1992	2018	0	32	1986	2018	0	34
0110001-035	Niles Cone	Municipal	-	0	77	Shallow	DDW	1987	2012	25	54	1987	2012	0	4	1987	2012	0	4	1987	2012	0	4	1987	2012	0	4	1987	2012	0	4
0110001-036	Niles Cone	Municipal	-	100	149	Shallow	DDW	1995	2018	23	459	1995	2018	0	31	1995	2018	0	31	1995	2018	0	33	1995	2018	0	31	1995	2018	0	31
0110001-037	Niles Cone	Municipal	-	120	169	Shallow	DDW	2001	2018	17	354	2001	2018	0	23	2001	2018	0	23	2001	2018	0	29	2001	2018	0	25	2001	2018	0	26

Well ID	Subbasin	Well Use	Total Depth	Perf. Top	Perf. Bottom	Depth Zone	Dataset	ALL CONSTITUENTS				Total Dissolved Solids (TDS)				Chloride (Cl)				Nitrate (NO3-N)				Arsenic (As)				Manganese (Mn)			
								First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count
0110001-044	Niles Cone	Municipal	-	120	183	Shallow	DDW	1998	2018	20	403	2001	2018	0	26	2001	2018	0	26	2000	2018	0	31	2001	2018	0	28	2001	2018	0	28
0110001-049	Niles Cone	Municipal	-	-	-	Unknown	DDW	2009	2018	9	137	2010	2018	0	9	2010	2018	0	9	2009	2018	0	11	2010	2018	0	9	2010	2018	0	9
0110001-050	Niles Cone	Municipal	-	-	-	Unknown	DDW	2009	2018	9	163	2010	2018	0	11	2010	2018	0	11	2009	2018	0	14	2010	2018	0	11	2010	2018	0	11
0110006-004	Niles Cone	Municipal	-	-	-	Unknown	DDW	1999	2008	9	26	1999	2006	0	2	1999	2006	0	2	1999	2006	0	2	1999	2006	0	2	1999	2006	0	2
0110006-005	Niles Cone	Municipal	-	-	-	Unknown	DDW	1999	2008	9	40	1999	2006	0	3	1999	2006	0	3	1999	2006	0	3	1999	2006	0	3	1999	2006	0	3
0110017-001	Niles Cone	Municipal	-	-	-	Unknown	DDW	1998	2008	10	19	1998	1998	0	1	1998	1998	0	1	1998	2008	0	7	1998	1998	0	1	1998	1998	0	1
03S/02W-31M01	Niles Cone	Unknown				Unknown	DWR	1986	1988	2	21	1986	1986	0	2	1986	1988	0	3	-	-	-	-	-	-	-	-	-	-	-	-
04S/01W-07P02	Niles Cone	Unknown				Unknown	DWR	1967	1971	4	5	-	-	-	-	1967	1971	0	2	-	-	-	-	-	-	-	-	-	-	-	-
04S/01W-07R01	Niles Cone	Unknown				Unknown	DWR	1967	1967	0	3	-	-	-	-	1967	1967	0	1	1967	1967	0	1	-	-	-	-	-	-	-	-
04S/01W-07R05	Niles Cone	Unknown				Unknown	DWR	1967	1977	10	20	1971	1971	0	1	1967	1977	0	5	1967	1971	0	2	-	-	-	-	-	-	-	-
04S/01W-17K01	Niles Cone	Unknown				Unknown	DWR	1977	1983	6	21	1977	1977	0	1	1977	1983	0	4	1977	1977	0	1	-	-	-	-	-	-	-	-
04S/01W-17M06	Niles Cone	Unknown	460			Deep	USGS	2002	2018	16	27	2002	2018	0	4	2002	2018	0	3	2002	2002	0	2	2002	2002	0	1	2002	2002	0	1
04S/01W-17M07	Niles Cone	Unknown	260			Intermediate	USGS	2002	2018	16	27	2002	2018	0	4	2002	2018	0	3	2002	2002	0	2	2002	2002	0	1	2002	2002	0	1
04S/01W-17M08	Niles Cone	Unknown	125			Shallow	USGS	2002	2018	16	29	2002	2018	0	4	2002	2018	0	3	2002	2002	0	2	2002	2002	0	1	2002	2002	0	1
04S/01W-18C02	Niles Cone	Unknown				Unknown	DWR	1967	1971	4	7	-	-	-	-	1967	1971	0	2	-	-	-	-	-	-	-	-	-	-	-	-
04S/01W-18G01	Niles Cone	Unknown				Unknown	DWR	1967	1967	0	2	-	-	-	-	1967	1967	0	1	-	-	-	-	-	-	-	-	-	-	-	-
04S/01W-18H03	Niles Cone	Unknown				Unknown	DWR	1967	1976	9	16	1970	1970	0	1	1967	1976	0	4	1970	1970	0	1	-	-	-	-	-	-	-	-
04S/01W-18M07	Niles Cone	Unknown				Unknown	DWR	1967	1967	0	4	-	-	-	-	1967	1967	0	1	-	-	-	-	-	-	-	-	-	-	-	-
04S/01W-19J07	Niles Cone	Unknown				Unknown	DWR	1971	1971	0	3	-	-	-	-	1971	1971	0	1	-	-	-	-	-	-	-	-	-	-	-	-
04S/01W-20A02	Niles Cone	Unknown				Unknown	DWR	1983	1987	4	13	-	-	-	-	1983	1987	0	3	-	-	-	-	-	-	-	-	-	-	-	-
04S/01W-20D02	Niles Cone	Unknown				Unknown	DWR	1967	1967	0	2	-	-	-	-	1967	1967	0	1	-	-	-	-	-	-	-	-	-	-	-	-
04S/01W-20E01	Niles Cone	Unknown				Unknown	DWR	1967	1967	0	2	-	-	-	-	1967	1967	0	1	-	-	-	-	-	-	-	-	-	-	-	-

Well ID	Subbasin	Well Use	Total Depth	Perf. Top	Perf. Bottom	Depth Zone	Dataset	ALL CONSTITUENTS				Total Dissolved Solids (TDS)				Chloride (Cl)				Nitrate (NO3-N)				Arsenic (As)				Manganese (Mn)			
								First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count
04S/01W-20R02	Niles Cone	Unknown	150			Shallow	USGS	1974	1979	5	1579	1974	1979	0	225	1975	1979	0	222	1974	1979	0	216	1976	1979	0	4	-	-	-	-
04S/01W-21D01	Niles Cone	Unknown				Unknown	DWR	1957	1957	0	8	1957	1957	0	1	1957	1957	0	1	1957	1957	0	1	-	-	-	-	-	-	-	-
04S/01W-21F01	Niles Cone	Unknown	120			Shallow	USGS	1974	1979	5	1026	1974	1979	0	143	1975	1979	0	143	1974	1979	0	144	1976	1978	0	3	-	-	-	-
04S/01W-21F02	Niles Cone	Unknown				Unknown	DWR	1960	1989	29	313	1960	1988	0	37	1960	1989	0	45	1960	1978	0	32	-	-	-	-	-	-	-	-
04S/01W-21J01	Niles Cone	Unknown				Unknown	DWR	1949	1951	2	21	1950	1951	0	2	1949	1951	0	4	1950	1951	0	2	-	-	-	-	-	-	-	-
04S/01W-21J02	Niles Cone	Unknown				Unknown	DWR	1958	1958	0	2	-	-	-	-	1958	1958	0	1	-	-	-	-	-	-	-	-	-	-	-	-
04S/01W-21K02	Niles Cone	Unknown				Unknown	DWR	1950	1950	0	2	-	-	-	-	1950	1950	0	1	-	-	-	-	-	-	-	-	-	-	-	-
04S/01W-21K03	Niles Cone	Unknown				Unknown	DWR	1958	1968	10	14	-	-	-	-	1958	1968	0	7	-	-	-	-	-	-	-	-	-	-	-	-
04S/01W-21L01	Niles Cone	Unknown				Unknown	DWR	1951	1951	0	2	1951	1951	0	1	1951	1951	0	1	-	-	-	-	-	-	-	-	-	-	-	-
04S/01W-21L02	Niles Cone	Unknown				Unknown	DWR	1951	1951	0	2	1951	1951	0	1	1951	1951	0	1	-	-	-	-	-	-	-	-	-	-	-	-
04S/01W-21M01	Niles Cone	Unknown				Unknown	DWR	1951	1963	12	382	1951	1963	0	24	1951	1963	0	52	1951	1963	0	52	-	-	-	-	-	-	-	-
04S/01W-21P01	Niles Cone	Unknown				Unknown	DWR	1950	1960	10	262	1950	1960	0	10	1950	1960	0	37	1953	1960	0	36	-	-	-	-	-	-	-	-
04S/01W-21P02	Niles Cone	Unknown				Unknown	DWR	1951	1964	13	10	1951	1964	0	2	1951	1964	0	2	1964	1964	0	1	-	-	-	-	-	-	-	-
04S/01W-21P04	Niles Cone	Unknown				Unknown	DWR	1958	1958	0	2	-	-	-	-	1958	1958	0	1	-	-	-	-	-	-	-	-	-	-	-	-
04S/01W-21P06	Niles Cone	Unknown	200			Shallow	USGS	1963	2018	55	1055	1963	2018	0	144	1963	2018	0	156	1963	1978	0	140	1976	1977	0	2	-	-	-	-
04S/01W-21P07	Niles Cone	Municipal				Shallow	DWR	1963	2018	55	16	1963	2018	0	5	1963	2018	0	5	1963	1963	0	1	-	-	-	-	-	-	-	-
04S/01W-21P08	Niles Cone		200			Shallow	USGS	2007	2018	11	11	2015	2018	0	3	2015	2018	0	3	2007	2007	0	1	-	-	-	-	-	-	-	-
04S/01W-21Q01	Niles Cone	Unknown				Shallow	DWR	1958	1989	31	40	1974	1985	0	2	1958	1989	0	9	1974	1974	0	1	-	-	-	-	-	-	-	-
04S/01W-21Q02	Niles Cone	Unknown				Shallow	DWR	1958	1958	0	2	-	-	-	-	1958	1958	0	1	-	-	-	-	-	-	-	-	-	-	-	-
04S/01W-21R01	Niles Cone	Unknown				Unknown	DWR	1958	1961	3	4	-	-	-	-	1958	1961	0	2	-	-	-	-	-	-	-	-	-	-	-	-
04S/01W-21R02	Niles Cone	Unknown				Deep	DWR	1951	1988	37	107	1951	1984	0	6	1951	1988	0	24	1959	1972	0	7	-	-	-	-	-	-	-	-
04S/01W-21R03	Niles Cone	Unknown				Unknown	DWR	1958	1958	0	2	-	-	-	-	1958	1958	0	1	-	-	-	-	-	-	-	-	-	-	-	-

Well ID	Subbasin	Well Use	Total Depth	Perf. Top	Perf. Bottom	Depth Zone	Dataset	ALL CONSTITUENTS				Total Dissolved Solids (TDS)				Chloride (Cl)				Nitrate (NO3-N)				Arsenic (As)				Manganese (Mn)			
								First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count
04S/01W-21R04	Niles Cone	Unknown				Unknown	DWR	1965	1968	3	8	-	-	-	-	1965	1968	0	4	-	-	-	-	-	-	-	-	-	-	-	-
04S/01W-21R06	Niles Cone	Unknown				Unknown	DWR	1958	1962	4	4	-	-	-	-	1958	1962	0	2	-	-	-	-	-	-	-	-	-	-	-	-
04S/01W-22M02	Niles Cone	Unknown				Unknown	DWR	1967	1967	0	4	-	-	-	-	1967	1967	0	1	-	-	-	-	-	-	-	-	-	-	-	-
04S/01W-27B04	Niles Cone	Unknown				Unknown	DWR	1971	1971	0	9	1971	1971	0	1	1971	1971	0	1	1971	1971	0	1	1971	1971	0	1	-	-	-	-
04S/01W-27F01	Niles Cone	Unknown				Unknown	DWR	1971	1971	0	9	1971	1971	0	1	1971	1971	0	1	1971	1971	0	1	1971	1971	0	1	-	-	-	-
04S/01W-27K01	Niles Cone	Unknown				Unknown	DWR	1971	1973	2	12	1971	1971	0	1	1971	1973	0	2	1971	1971	0	1	1971	1971	0	1	-	-	-	-
04S/01W-27P01	Niles Cone	Unknown	153			Shallow	USGS	1970	2018	48	43	1970	2018	0	5	1970	2018	0	10	1970	2007	0	2	-	-	-	-	-	-	-	-
04S/01W-27P02	Niles Cone	Unknown				Unknown	DWR	1977	2018	41	28	1977	2018	0	2	1977	2018	0	6	1977	1977	0	1	-	-	-	-	-	-	-	-
04S/01W-28B02	Niles Cone	Unknown				Unknown	DWR	1967	1967	0	4	-	-	-	-	1967	1967	0	1	-	-	-	-	-	-	-	-	-	-	-	-
04S/01W-28C01	Niles Cone	Municipal	194			Shallow	DWR	1970	2018	48	48	1973	2018	0	6	1970	2018	0	13	1973	1973	0	1	-	-	-	-	-	-	-	-
04S/01W-28C14	Niles Cone	Unknown	465			Deep	USGS	1967	2007	40	55	1972	1983	0	2	1967	1989	0	11	1972	2007	0	2	-	-	-	-	-	-	-	-
04S/01W-28C15	Niles Cone	Municipal	311			Intermediate	DWR	1974	2015	41	33	1974	2015	0	4	1974	2015	0	8	1974	1974	0	1	-	-	-	-	-	-	-	-
04S/01W-28C19	Niles Cone	Municipal	190			Shallow	USGS	2007	2018	11	9	2015	2018	0	2	2015	2018	0	2	2007	2007	0	1	-	-	-	-	-	-	-	-
04S/01W-28C21	Niles Cone		320			Intermediate	USGS	2007	2018	11	7	2018	2018	0	1	2018	2018	0	1	2007	2007	0	1	-	-	-	-	-	-	-	-
04S/01W-28D04	Niles Cone	Unknown				Deep	DWR	1967	1988	21	37	1978	1978	0	1	1967	1988	0	9	1978	1978	0	1	-	-	-	-	-	-	-	-
04S/01W-28D09	Niles Cone	Unknown	175			Shallow	USGS	1967	1979	12	1082	1974	1979	0	152	1967	1979	0	152	1974	1979	0	146	1976	1979	0	1	-	-	-	-
04S/01W-28F05	Niles Cone	Unknown				Deep	DWR	1967	1988	21	38	1978	1978	0	1	1967	1988	0	9	1978	1978	0	1	-	-	-	-	-	-	-	-
04S/01W-28L01	Niles Cone	Unknown				Unknown	DWR	1967	1967	0	3	-	-	-	-	1967	1967	0	1	1967	1967	0	1	-	-	-	-	-	-	-	-
04S/01W-29J08	Niles Cone	Unknown				Shallow	DWR	1967	1974	7	7	-	-	-	-	1967	1974	0	2	-	-	-	-	-	-	-	-	-	-	-	-
04S/01W-29L12	Niles Cone	Unknown				Deep	DWR	1967	1989	22	28	1981	1981	0	1	1967	1989	0	6	-	-	-	-	1974	1974	0	1	1974	1974	0	1
04S/01W-29M06	Niles Cone	Unknown				Unknown	DWR	1980	1984	4	15	1980	1980	0	1	1980	1984	0	3	-	-	-	-	-	-	-	-	-	-	-	-
04S/01W-30E03	Niles Cone	Unknown				Deep	DWR	1967	2018	51	22	1971	2018	0	2	1967	2018	0	6	1971	1971	0	1	1971	1971	0	1	-	-	-	-

Well ID	Subbasin	Well Use	Total Depth	Perf. Top	Perf. Bottom	Depth Zone	Dataset	ALL CONSTITUENTS				Total Dissolved Solids (TDS)				Chloride (Cl)				Nitrate (NO3-N)				Arsenic (As)				Manganese (Mn)			
								First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count
04S/01W-30L06	Niles Cone	Unknown				Deep	DWR	1982	1982	0	4	-	-	-	-	1982	1982	0	1	-	-	-	-	-	-	-	-	-	-	-	-
04S/01W-30N03	Niles Cone	Unknown				Unknown	DWR	1967	1967	0	2	-	-	-	-	1967	1967	0	1	-	-	-	-	-	-	-	-	-	-	-	-
04S/01W-31A02	Niles Cone	Unknown				Unknown	DWR	1967	1967	0	2	-	-	-	-	1967	1967	0	1	-	-	-	-	-	-	-	-	-	-	-	-
04S/01W-31B03	Niles Cone	Unknown				Unknown	DWR	1967	2018	51	13	2018	2018	0	1	1967	2018	0	5	-	-	-	-	-	-	-	-	-	-	-	-
04S/01W-31N01	Niles Cone		248			Intermediate	USGS	2007	2018	11	49	2007	2018	0	5	2007	2018	0	4	2007	2017	0	2	2007	2017	0	2	2007	2017	0	2
04S/01W-33A01	Niles Cone	Unknown				Unknown	DWR	1967	1967	0	4	-	-	-	-	1967	1967	0	1	-	-	-	-	-	-	-	-	-	-	-	-
04S/01W-33A02	Niles Cone	Unknown				Unknown	DWR	1970	1987	17	45	1970	1985	0	3	1970	1987	0	9	1970	1974	0	2	-	-	-	-	-	-	-	-
04S/01W-33C01	Niles Cone	Unknown				Unknown	DWR	1971	1975	4	9	-	-	-	-	1971	1975	0	3	-	-	-	-	-	-	-	-	-	-	-	-
04S/01W-33E01	Niles Cone	Unknown				Unknown	DWR	1967	1967	0	2	-	-	-	-	1967	1967	0	1	-	-	-	-	-	-	-	-	-	-	-	-
04S/01W-34Q04	Niles Cone	Unknown				Unknown	DWR	1967	1977	10	18	1973	1973	0	1	1967	1977	0	4	1973	1973	0	1	-	-	-	-	-	-	-	-
04S/01W-34R02	Niles Cone	Unknown				Unknown	DWR	1967	1975	8	18	1975	1975	0	1	1967	1975	0	4	1975	1975	0	1	-	-	-	-	-	-	-	-
04S/01W-35J07	Niles Cone	Unknown				Unknown	DWR	1980	1982	2	11	1980	1980	0	1	1980	1982	0	2	-	-	-	-	-	-	-	-	-	-	-	-
04S/01W-35P03	Niles Cone	Unknown				Intermediate	DWR	1967	1976	9	20	1972	1972	0	1	1967	1976	0	5	1972	1972	0	1	-	-	-	-	-	-	-	-
04S/02W-02H01	Niles Cone	Unknown	472			Deep	USGS	2002	2002	0	22	2002	2002	0	2	2002	2002	0	1	2002	2002	0	2	2002	2002	0	1	2002	2002	0	1
04S/02W-03L01	Niles Cone	Unknown	452			Deep	USGS	2002	2002	0	25	2002	2002	0	2	2002	2002	0	1	2002	2002	0	3	2002	2002	0	1	2002	2002	0	1
04S/02W-03R01	Niles Cone	Unknown				Unknown	DWR	1967	1974	7	15	1972	1972	0	1	1967	1974	0	3	1972	1972	0	1	-	-	-	-	-	-	-	-
04S/02W-04F01	Niles Cone	Unknown		172	222	Shallow-Intermediate	City of Hayward	1991	2002	11	15	1991	1991	0	1	1991	1991	0	1	-	-	-	-	-	-	-	-	1991	1991	0	1
04S/02W-04F02	Niles Cone	Unknown		302	372	Intermediate	City of Hayward	1991	2002	11	15	1991	1991	0	1	1991	1991	0	1	-	-	-	-	-	-	-	-	1991	1991	0	1
04S/02W-04F03	Niles Cone	Unknown	550	440	525	Deep	USGS	1991	2002	11	50	1991	2002	0	4	1991	2002	0	3	2002	2002	0	2	2002	2002	0	2	1991	2002	0	3
04S/02W-04F03	Niles Cone	Unknown	550			Deep	USGS	1991	2002	11	50	1991	2002	0	4	1991	2002	0	3	2002	2002	0	2	2002	2002	0	2	1991	2002	0	3
04S/02W-04F06	Niles Cone	Unknown	534	358	524	Intermediate-Deep	USGS	1992	2011	19	45	1992	2011	0	6	1992	2011	0	7	-	-	-	-	1992	1992	0	1	1992	2006	0	5
04S/02W-04F06	Niles Cone	Unknown	534			Deep	USGS	1992	2011	19	45	1992	2011	0	6	1992	2011	0	7	-	-	-	-	1992	1992	0	1	1992	2006	0	5

								ALL CONSTITUENTS				Total Dissolved Solids (TDS)				Chloride (Cl)				Nitrate (NO3-N)				Arsenic (As)				Manganese (Mn)			
Well ID	Subbasin	Well Use	Total Depth	Perf. Top	Perf. Bottom	Depth Zone	Dataset	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count
04S/02W-04R01	Niles Cone	Unknown	466	370	456	Intermediate-Deep	USGS	1996	2018	22	73	1996	2018	0	12	1996	2018	0	11	2002	2002	0	2	1996	2002	0	3	1996	2006	0	7
04S/02W-04R01	Niles Cone	Unknown	466			Deep	USGS	1996	2018	22	73	1996	2018	0	12	1996	2018	0	11	2002	2002	0	2	1996	2002	0	3	1996	2006	0	7
04S/02W-09Q02	Niles Cone	Unknown				Unknown	DWR	1967	1967	0	8	-	-	-	-	1967	1967	0	2	-	-	-	-	-	-	-	-	-	-	-	-
04S/02W-10C01	Niles Cone	Unknown				Unknown	DWR	1967	1975	8	19	1975	1975	0	1	1967	1975	0	5	1975	1975	0	1	-	-	-	-	-	-	-	-
04S/02W-10E04	Niles Cone	Unknown	440	400	440	Deep	USGS	2002	2018	16	31	2002	2018	0	6	2002	2018	0	5	2002	2002	0	2	2002	2002	0	1	2002	2002	0	1
04S/02W-10H01	Niles Cone	Unknown				Unknown	DWR	1980	1983	3	11	1980	1980	0	1	1980	1983	0	2	-	-	-	-	-	-	-	-	-	-	-	-
04S/02W-10M01	Niles Cone	Unknown				Unknown	DWR	1967	1967	0	2	-	-	-	-	1967	1967	0	1	-	-	-	-	-	-	-	-	-	-	-	-
04S/02W-10N06	Niles Cone	Unknown				Unknown	DWR	1967	1967	0	4	-	-	-	-	1967	1967	0	1	-	-	-	-	-	-	-	-	-	-	-	-
04S/02W-10Q02	Niles Cone	Unknown				Unknown	DWR	1967	1967	0	4	-	-	-	-	1967	1967	0	1	-	-	-	-	-	-	-	-	-	-	-	-
04S/02W-10Q03	Niles Cone	Unknown				Unknown	DWR	1967	1967	0	2	-	-	-	-	1967	1967	0	1	-	-	-	-	-	-	-	-	-	-	-	-
04S/02W-11A02	Niles Cone	Unknown				Unknown	DWR	1967	1967	0	3	-	-	-	-	1967	1967	0	1	1967	1967	0	1	-	-	-	-	-	-	-	-
04S/02W-11G01	Niles Cone	Unknown				Unknown	DWR	1967	1967	0	3	-	-	-	-	1967	1967	0	1	1967	1967	0	1	-	-	-	-	-	-	-	-
04S/02W-11Q01	Niles Cone	Unknown				Unknown	DWR	1967	1967	0	4	-	-	-	-	1967	1967	0	1	-	-	-	-	-	-	-	-	-	-	-	-
04S/02W-11Q10	Niles Cone	Unknown				Unknown	DWR	1971	1987	16	36	1981	1981	0	1	1971	1987	0	9	-	-	-	-	-	-	-	-	-	-	-	-
04S/02W-11Q12	Niles Cone	Unknown				Unknown	DWR	1967	1967	0	3	-	-	-	-	1967	1967	0	1	1967	1967	0	1	-	-	-	-	-	-	-	-
04S/02W-11R12	Niles Cone	Unknown				Unknown	DWR	1967	1967	0	3	-	-	-	-	1967	1967	0	1	1967	1967	0	1	-	-	-	-	-	-	-	-
04S/02W-12C01	Niles Cone	Unknown	512	410	487	Deep	USGS	1967	2018	51	70	1974	2018	0	5	1967	2018	0	13	1974	2002	0	3	2002	2002	0	1	2002	2002	0	1
04S/02W-12K08	Niles Cone	Unknown	510	470	510	Deep	USGS	2002	2018	16	27	2002	2018	0	4	2002	2018	0	3	2002	2002	0	3	2002	2002	0	1	2002	2002	0	1
04S/02W-12K09	Niles Cone	Unknown	310	300	310	Intermediate	USGS	2002	2018	16	6	2015	2018	0	2	2015	2018	0	2	-	-	-	-	-	-	-	-	-	-	-	-
04S/02W-12K10	Niles Cone	Unknown	240	210	240	Intermediate	USGS	2002	2018	16	28	2002	2018	0	4	2002	2018	0	3	2002	2002	0	3	2002	2002	0	1	2002	2002	0	1
04S/02W-12K11	Niles Cone	Unknown	150	110	150	Shallow	USGS	2002	2018	16	6	2015	2018	0	2	2015	2018	0	2	-	-	-	-	-	-	-	-	-	-	-	-
04S/02W-12N04	Niles Cone	Unknown				Unknown	DWR	1967	1967	0	3	-	-	-	-	1967	1967	0	1	1967	1967	0	1	-	-	-	-	-	-	-	-

Well ID	Subbasin	Well Use	Total Depth	Perf. Top	Perf. Bottom	Depth Zone	Dataset	ALL CONSTITUENTS				Total Dissolved Solids (TDS)				Chloride (Cl)				Nitrate (NO3-N)				Arsenic (As)				Manganese (Mn)			
								First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count
04S/02W-13C02	Niles Cone	Unknown				Unknown	DWR	1967	1967	0	2	-	-	-	-	1967	1967	0	1	-	-	-	-	-	-	-	-	-	-	-	-
04S/02W-13P04	Niles Cone	Unknown	145			Shallow	USGS	2002	2018	16	30	2002	2018	0	5	2002	2018	0	4	2002	2002	0	3	2002	2002	0	1	2002	2002	0	1
04S/02W-13P05	Niles Cone	Unknown	420			Deep	USGS	2002	2018	16	31	2002	2018	0	5	2002	2018	0	4	2002	2002	0	2	2002	2002	0	1	2002	2002	0	1
04S/02W-13P06	Niles Cone	Unknown	360			Intermediate	USGS	2002	2018	16	31	2002	2018	0	5	2002	2018	0	4	2002	2002	0	2	2002	2002	0	1	2002	2002	0	1
04S/02W-13P07	Niles Cone	Unknown	280			Intermediate	USGS	2002	2018	16	29	2002	2018	0	5	2002	2018	0	4	2002	2002	0	2	2002	2002	0	1	2002	2002	0	1
04S/02W-14D03	Niles Cone	Unknown	450	400	450	Deep	USGS	2002	2018	16	33	2003	2018	0	6	2003	2018	0	5	2003	2003	0	2	2003	2003	0	1	2003	2003	0	1
04S/02W-14D04	Niles Cone	Unknown	540	490	540	Deep	USGS	2002	2018	16	30	2002	2018	0	6	2002	2018	0	5	2002	2002	0	1	2002	2002	0	1	2002	2002	0	1
04S/02W-14D05	Niles Cone	Unknown	280	260	280	Intermediate	USGS	2002	2018	16	10	2015	2018	0	4	2015	2018	0	4	-	-	-	-	-	-	-	-	-	-	-	-
04S/02W-14D06	Niles Cone	Unknown	220	180	220	Shallow-Intermediate	USGS	2002	2018	16	10	2015	2018	0	4	2015	2018	0	4	-	-	-	-	-	-	-	-	-	-	-	-
04S/02W-14D07	Niles Cone	Unknown	110	70	110	Shallow	USGS	2002	2018	16	10	2015	2018	0	4	2015	2018	0	4	-	-	-	-	-	-	-	-	-	-	-	-
04S/02W-14E01	Niles Cone	Unknown				Unknown	DWR	1967	1967	0	4	-	-	-	-	1967	1967	0	1	-	-	-	-	-	-	-	-	-	-	-	-
04S/02W-14J01	Niles Cone	Unknown				Unknown	DWR	1967	1967	0	4	-	-	-	-	1967	1967	0	1	-	-	-	-	-	-	-	-	-	-	-	-
04S/02W-14P02	Niles Cone	Unknown				Unknown	DWR	1971	1971	0	9	1971	1971	0	1	1971	1971	0	1	1971	1971	0	1	1971	1971	0	1	-	-	-	-
04S/02W-15C01	Niles Cone	Unknown				Unknown	DWR	1967	1972	5	6	-	-	-	-	1967	1972	0	2	-	-	-	-	-	-	-	-	-	-	-	-
04S/02W-15C05	Niles Cone	Unknown				Unknown	DWR	1974	1978	4	14	1974	1974	0	1	1974	1978	0	3	1974	1974	0	1	-	-	-	-	-	-	-	-
04S/02W-15F03	Niles Cone	Unknown				Unknown	DWR	1970	1988	18	25	1980	1980	0	1	1970	1988	0	6	-	-	-	-	-	-	-	-	-	-	-	-
04S/02W-15L04	Niles Cone	Unknown				Unknown	DWR	1967	1967	0	4	-	-	-	-	1967	1967	0	1	-	-	-	-	-	-	-	-	-	-	-	-
04S/02W-15L05	Niles Cone		470	430	470	Deep	USGS	2002	2018	16	49	2002	2018	0	8	2002	2018	0	6	2007	2007	0	1	2002	2007	0	2	2002	2007	0	2
04S/02W-15L06	Niles Cone		200			Shallow	USGS	2007	2018	11	31	2007	2018	0	6	2007	2018	0	5	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1
04S/02W-15L07	Niles Cone		100			Shallow	USGS	2007	2018	11	32	2007	2018	0	6	2007	2018	0	5	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1
04S/02W-15N02	Niles Cone	Unknown				Unknown	DWR	1970	1970	0	2	-	-	-	-	1970	1970	0	1	-	-	-	-	-	-	-	-	-	-	-	-
04S/02W-21B03	Niles Cone	Unknown				Unknown	DWR	1968	1968	0	8	1968	1968	0	1	1968	1968	0	1	1968	1968	0	1	-	-	-	-	-	-	-	-

Well ID	Subbasin	Well Use	Total Depth	Perf. Top	Perf. Bottom	Depth Zone	Dataset	ALL CONSTITUENTS				Total Dissolved Solids (TDS)				Chloride (Cl)				Nitrate (NO3-N)				Arsenic (As)				Manganese (Mn)			
								First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count
04S/02W-22G02	Niles Cone	Unknown				Unknown	DWR	1968	1968	0	8	1968	1968	0	1	1968	1968	0	1	1968	1968	0	1	-	-	-	-	-	-	-	-
04S/02W-22P02	Niles Cone	Unknown				Intermediate	DWR	1967	1982	15	27	1980	1980	0	1	1967	1982	0	7	-	-	-	-	-	-	-	-	-	-	-	-
04S/02W-23F02	Niles Cone	Unknown				Shallow-Intermediate	DWR	1967	1979	12	25	1973	1973	0	1	1967	1979	0	6	1973	1973	0	1	-	-	-	-	-	-	-	-
04S/02W-24D04	Niles Cone	Unknown				Deep	DWR	1967	1989	22	34	1978	1978	0	1	1967	1989	0	8	1978	1978	0	1	-	-	-	-	-	-	-	-
04S/02W-24F02	Niles Cone	Unknown				Unknown	DWR	1974	1974	0	8	1974	1974	0	1	1974	1974	0	1	1974	1974	0	1	-	-	-	-	-	-	-	-
04S/02W-24F06	Niles Cone	Unknown				Unknown	DWR	1967	1971	4	7	-	-	-	-	1967	1971	0	2	-	-	-	-	-	-	-	-	-	-	-	-
04S/02W-24L06	Niles Cone	Unknown				Intermediate	DWR	1967	1988	21	46	1972	1982	0	2	1967	1988	0	11	1972	1972	0	1	-	-	-	-	-	-	-	-
04S/02W-26A01	Niles Cone	Unknown				Unknown	DWR	1967	1976	9	14	-	-	-	-	1967	1976	0	5	-	-	-	-	-	-	-	-	-	-	-	-
04S/02W-26E02	Niles Cone	Unknown				Unknown	DWR	1968	1968	0	8	1968	1968	0	1	1968	1968	0	1	1968	1968	0	1	-	-	-	-	-	-	-	-
04S/02W-27L01	Niles Cone	Unknown				Shallow-Intermediate	DWR	1967	1983	16	31	1981	1981	0	1	1967	1983	0	9	-	-	-	-	-	-	-	-	-	-	-	-
04S/02W-34E01	Niles Cone	Unknown				Unknown	DWR	1968	1968	0	8	1968	1968	0	1	1968	1968	0	1	1968	1968	0	1	-	-	-	-	-	-	-	-
04S/02W-34G01	Niles Cone	Unknown				Unknown	DWR	1968	1968	0	8	1968	1968	0	1	1968	1968	0	1	1968	1968	0	1	-	-	-	-	-	-	-	-
04S/02W-35F01	Niles Cone	Unknown				Unknown	DWR	1967	1970	3	4	-	-	-	-	1967	1970	0	2	-	-	-	-	-	-	-	-	-	-	-	-
04S/03W-13B02	Niles Cone	Unknown				Unknown	DWR	1971	1971	0	1	-	-	-	-	-	-	-	-	-	-	-	-	1971	1971	0	1	-	-	-	-
05S/01W-01R01	Niles Cone	Unknown				Unknown	DWR	1971	1971	0	9	1971	1971	0	1	1971	1971	0	1	1971	1971	0	1	1971	1971	0	1	-	-	-	-
05S/01W-04D01	Niles Cone	Unknown				Unknown	DWR	1967	1977	10	19	1975	1975	0	1	1967	1977	0	5	1975	1975	0	1	-	-	-	-	-	-	-	-
05S/01W-05F01	Niles Cone	Unknown				Unknown	DWR	1970	1970	0	2	-	-	-	-	1970	1970	0	1	-	-	-	-	-	-	-	-	-	-	-	-
05S/01W-05H03	Niles Cone		490	450	480	Deep	USGS	2007	2018	11	27	2007	2018	0	5	2007	2018	0	4	-	-	-	-	2007	2007	0	1	2007	2007	0	1
05S/01W-05H04	Niles Cone		340	330	340	Intermediate	USGS	2007	2018	11	27	2007	2018	0	5	2007	2018	0	4	-	-	-	-	2007	2007	0	1	2007	2007	0	1
05S/01W-05H05	Niles Cone		260	230	260	Intermediate	USGS	2007	2018	11	28	2007	2018	0	5	2007	2018	0	4	-	-	-	-	2007	2007	0	1	2007	2007	0	1
05S/01W-05H06	Niles Cone		80	50	80	Shallow	USGS	2007	2018	11	30	2007	2018	0	5	2007	2018	0	4	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1
05S/01W-06G01	Niles Cone	Unknown				Unknown	DWR	1967	1967	0	4	-	-	-	-	1967	1967	0	1	-	-	-	-	-	-	-	-	-	-	-	-

								ALL CONSTITUENTS				Total Dissolved Solids (TDS)				Chloride (Cl)				Nitrate (NO3-N)				Arsenic (As)				Manganese (Mn)			
Well ID	Subbasin	Well Use	Total Depth	Perf. Top	Perf. Bottom	Depth Zone	Dataset	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count
05S/01W-08A03	Niles Cone	Unknown				Unknown	DWR	1967	1979	12	20	1979	1979	0	1	1967	1979	0	5	-	-	-	-	-	-	-	-	-	-	-	-
05S/01W-08P01	Niles Cone	Unknown				Intermediate	DWR	1974	1981	7	13	1974	1974	0	1	1974	1981	0	2	1974	1974	0	1	-	-	-	-	-	-	-	-
05S/01W-09J01	Niles Cone	Unknown				Unknown	DWR	1970	1982	12	26	1978	1978	0	1	1970	1982	0	7	1978	1978	0	1	-	-	-	-	-	-	-	-
05S/01W-09K01	Niles Cone	Unknown				Unknown	DWR	1967	1972	5	12	1972	1972	0	1	1967	1972	0	2	1972	1972	0	1	-	-	-	-	-	-	-	-
05S/01W-09M01	Niles Cone	Unknown				Unknown	DWR	1967	1967	0	4	-	-	-	-	1967	1967	0	1	-	-	-	-	-	-	-	-	-	-	-	-
05S/01W-15C01	Niles Cone	Unknown				Unknown	DWR	1967	1967	0	2	-	-	-	-	1967	1967	0	1	-	-	-	-	-	-	-	-	-	-	-	-
05S/01W-16R01	Niles Cone	Unknown				Unknown	DWR	1961	1964	3	4	-	-	-	-	1961	1964	0	4	-	-	-	-	-	-	-	-	-	-	-	-
05S/01W-17A01	Niles Cone	Unknown				Unknown	DWR	1967	1989	22	57	1970	1983	0	3	1967	1989	0	12	1970	1971	0	2	1971	1971	0	1	-	-	-	-
05S/01W-22A01	Niles Cone	Unknown				Unknown	DWR	1961	1982	21	173	-	-	-	-	1961	1982	0	99	-	-	-	-	-	-	-	-	-	-	-	-
05S/02W-01N01	Niles Cone	Unknown				Unknown	DWR	1967	1981	14	31	1971	1971	0	1	1967	1981	0	7	1971	1971	0	1	1971	1971	0	1	-	-	-	-
05S/02W-02L01	Niles Cone	Unknown				Unknown	DWR	1968	1968	0	8	1968	1968	0	1	1968	1968	0	1	1968	1968	0	1	-	-	-	-	-	-	-	-
05S/02W-12C01	Niles Cone	Unknown				Unknown	DWR	1968	1968	0	8	1968	1968	0	1	1968	1968	0	1	1968	1968	0	1	-	-	-	-	-	-	-	-
05S/02W-12D01	Niles Cone	Unknown				Unknown	DWR	1968	1970	2	16	1968	1970	0	2	1968	1970	0	2	1968	1970	0	2	-	-	-	-	-	-	-	-
05S/02W-14E03	Niles Cone	Unknown				Unknown	DWR	1971	1988	17	36	1979	1979	0	1	1971	1988	0	9	-	-	-	-	-	-	-	-	-	-	-	-
L10001617019-WW-1R	Niles Cone	Monitoring				Unknown	Geotracker	2005	2016	11	18	2008	2008	0	1	2008	2008	0	1	2005	2012	0	16	2006	2016	0	3	2008	2008	0	1
L10001617019-WW-2R	Niles Cone	Monitoring				Unknown	Geotracker	2005	2016	11	19	2008	2008	0	1	2008	2008	0	1	2005	2012	0	18	2006	2016	0	4	2008	2008	0	1
L10001617019-WW-9	Niles Cone	Monitoring				Unknown	Geotracker	2005	2016	11	18	2008	2008	0	1	2008	2008	0	1	2005	2012	0	16	2006	2016	0	3	2008	2008	0	1
L10005679640-W-203	Niles Cone	Monitoring				Unknown	Geotracker	2007	2018	11	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2007	2018	0	7
L10005679640-W-402	Niles Cone	Monitoring				Unknown	Geotracker	2008	2018	10	25	-	-	-	-	-	-	-	-	-	-	-	-	2009	2018	0	8	2008	2018	0	9
SF-34	Niles Cone	Municipal	153	60	153	Shallow	USGS	2007	2007	0	4	-	-	-	-	-	-	-	-	2007	2007	0	1	-	-	-	-	-	-	-	-
SF-35	Niles Cone	Municipal	248	216	240	Intermediate	USGS	2007	2017	10	31	2007	2017	0	2	2007	2017	0	2	2007	2017	0	2	2007	2017	0	2	2007	2017	0	2
SF-36	Niles Cone	Municipal	190	100	180	Shallow	USGS	2007	2007	0	4	-	-	-	-	-	-	-	-	2007	2007	0	1	-	-	-	-	-	-	-	-

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								First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count
SF-37	Niles Cone	Municipal	200	80	177	Shallow	USGS	2007	2007	0	4	-	-	-	-	-	-	-	-	2007	2007	0	1	-	-	-	-	-	-	-	-
SFM-D1	Niles Cone	Municipal	480	450	480	Deep	USGS	2007	2007	0	16	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1
SFM-D2	Niles Cone	Municipal	340	330	340	Intermediate	USGS	2007	2007	0	16	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1
SFM-D3	Niles Cone	Municipal	260	230	260	Intermediate	USGS	2007	2007	0	16	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1
SFM-D4	Niles Cone	Municipal	80	50	80	Shallow	USGS	2007	2007	0	16	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1
SFM-E1	Niles Cone	Municipal	470	430	470	Deep	USGS	2007	2007	0	16	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1
SFM-E2	Niles Cone	Municipal	200	180	200	Shallow	USGS	2007	2007	0	16	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1
SFM-E3	Niles Cone	Municipal	100	50	100	Shallow	USGS	2007	2007	0	16	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1	2007	2007	0	1
SFU-09	Niles Cone	Municipal	320	220	300	Intermediate	USGS	2007	2007	0	4	-	-	-	-	-	-	-	-	2007	2007	0	1	-	-	-	-	-	-	-	-
SFU-10	Niles Cone	Municipal	465	189	455	Shallow-Intermediate-Deep	USGS	2007	2007	0	4	-	-	-	-	-	-	-	-	2007	2007	0	1	-	-	-	-	-	-	-	-
SL0600103806-HP-01	Niles Cone	Monitoring				Unknown	Geotracker	2015	2015	0	2	-	-	-	-	-	-	-	-	-	-	-	-	2015	2015	0	2	-	-	-	-
SL0600103806-MW-3	Niles Cone	Monitoring				Unknown	Geotracker	2011	2017	6	11	-	-	-	-	-	-	-	-	-	-	-	-	2011	2017	0	11	-	-	-	-
SL0600103806-MW-4	Niles Cone	Monitoring				Unknown	Geotracker	2011	2017	6	11	-	-	-	-	-	-	-	-	-	-	-	-	2011	2017	0	11	-	-	-	-
SL0600103806-MW-5	Niles Cone	Monitoring				Unknown	Geotracker	2011	2017	6	11	-	-	-	-	-	-	-	-	-	-	-	-	2011	2017	0	11	-	-	-	-
SL0600103806-MW-6	Niles Cone	Monitoring				Unknown	Geotracker	2011	2016	5	10	-	-	-	-	-	-	-	-	-	-	-	-	2011	2016	0	10	-	-	-	-
SL0600103806-MW-7	Niles Cone	Monitoring				Unknown	Geotracker	2011	2017	6	11	-	-	-	-	-	-	-	-	-	-	-	-	2011	2017	0	11	-	-	-	-
SL0600103806-SW-2	Niles Cone	Monitoring				Unknown	Geotracker	2015	2015	0	4	-	-	-	-	-	-	-	-	-	-	-	-	2015	2015	0	4	-	-	-	-
SL0600106796-MW-13A	Niles Cone	Monitoring				Unknown	Geotracker	2016	2016	0	16	2016	2016	0	1	2016	2016	0	1	2016	2016	0	1	-	-	-	-	2016	2016	0	2
SL0600106796-MW-20R	Niles Cone	Monitoring				Unknown	Geotracker	2016	2016	0	16	2016	2016	0	1	2016	2016	0	1	2016	2016	0	1	-	-	-	-	2016	2016	0	2
SL0600106796-MW-22A	Niles Cone	Monitoring				Unknown	Geotracker	2016	2016	0	16	2016	2016	0	1	2016	2016	0	1	2016	2016	0	1	-	-	-	-	2016	2016	0	2
SL0600106796-MW-23A	Niles Cone	Monitoring				Unknown	Geotracker	2016	2016	0	16	2016	2016	0	1	2016	2016	0	1	2016	2016	0	1	-	-	-	-	2016	2016	0	2

Well ID	Subbasin	Well Use	Total Depth	Perf. Top	Perf. Bottom	Depth Zone	Dataset	ALL CONSTITUENTS				Total Dissolved Solids (TDS)				Chloride (Cl)				Nitrate (NO3-N)				Arsenic (As)				Manganese (Mn)			
								First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count
SL0600106796-MW-24A	Niles Cone	Monitoring				Unknown	Geotracker	2016	2016	0	16	2016	2016	0	1	2016	2016	0	1	2016	2016	0	1	-	-	-	-	2016	2016	0	2
SL0600125180-MW-3	Niles Cone	Monitoring	51.92			Shallow	Geotracker	2010	2010	0	1	-	-	-	-	-	-	-	-	2010	2010	0	1	-	-	-	-	-	-	-	-
SL0600125180-MW-7	Niles Cone	Monitoring	60.89			Shallow	Geotracker	2010	2010	0	1	-	-	-	-	-	-	-	-	2010	2010	0	1	-	-	-	-	-	-	-	-
SL0600135858-MW-14	Niles Cone	Monitoring		53	68	Shallow	Geotracker	2005	2006	1	2	-	-	-	-	-	-	-	-	2005	2006	0	2	-	-	-	-	-	-	-	-
SL0600157734-MW-1	Niles Cone	Monitoring				Unknown	Geotracker	2007	2009	2	40	-	-	-	-	-	-	-	-	2007	2009	0	8	-	-	-	-	2007	2009	0	16
SL0600157734-MW-2	Niles Cone	Monitoring				Unknown	Geotracker	2007	2009	2	39	-	-	-	-	-	-	-	-	2007	2009	0	8	-	-	-	-	2007	2009	0	15
SL0600157734-MW-3	Niles Cone	Monitoring				Unknown	Geotracker	2007	2009	2	39	-	-	-	-	-	-	-	-	2007	2009	0	8	-	-	-	-	2007	2009	0	15
SL0600157734-MW-4	Niles Cone	Monitoring				Unknown	Geotracker	2007	2009	2	39	-	-	-	-	-	-	-	-	2007	2009	0	8	-	-	-	-	2007	2009	0	15
SL0600157734-MW-5	Niles Cone	Monitoring				Unknown	Geotracker	2007	2009	2	39	-	-	-	-	-	-	-	-	2007	2009	0	8	-	-	-	-	2007	2009	0	15
SL0600178588-EW0100	Niles Cone	Monitoring				Unknown	Geotracker	2013	2017	4	26	-	-	-	-	2013	2017	0	4	2013	2017	0	4	2017	2017	0	1	2013	2017	0	4
SL0600178588-UPNCMW0100	Niles Cone	Monitoring				Unknown	Geotracker	2011	2017	6	51	2015	2015	0	1	2011	2017	0	8	2011	2017	0	8	-	-	-	-	2011	2017	0	7
SL0600178588-UPNCMW0101	Niles Cone	Monitoring				Unknown	Geotracker	2011	2017	6	50	-	-	-	-	2011	2017	0	9	2011	2017	0	9	-	-	-	-	2011	2017	0	9
SL0600178588-UPNCMW0102	Niles Cone	Monitoring				Unknown	Geotracker	2011	2017	6	64	2015	2015	0	1	2011	2017	0	11	2011	2017	0	11	-	-	-	-	2011	2017	0	10
SL0600178588-UPNCMW0103	Niles Cone	Monitoring				Unknown	Geotracker	2011	2016	5	30	-	-	-	-	2011	2016	0	5	2011	2016	0	5	-	-	-	-	2011	2016	0	5
SL0600178588-UPNCMW0104	Niles Cone	Monitoring				Unknown	Geotracker	2011	2017	6	43	-	-	-	-	2011	2017	0	7	2011	2017	0	7	-	-	-	-	2011	2017	0	7
SL0600178588-UPNCMW0106	Niles Cone	Monitoring				Unknown	Geotracker	2011	2017	6	50	-	-	-	-	2011	2017	0	9	2011	2017	0	9	-	-	-	-	2011	2017	0	9

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								First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count
SL0600178588-UPNCMW0107	Niles Cone	Monitoring				Unknown	Geotracker	2011	2017	6	50	-	-	-	-	2011	2017	0	9	2011	2017	0	9	-	-	-	-	2011	2017	0	9
SL0600178588-UPNCMW0108	Niles Cone	Monitoring				Unknown	Geotracker	2011	2017	6	61	-	-	-	-	2011	2017	0	11	2011	2017	0	11	-	-	-	-	2011	2017	0	11
SL0600178588-UPNCMW0109	Niles Cone	Monitoring				Unknown	Geotracker	2015	2017	2	36	-	-	-	-	2015	2017	0	6	2015	2017	0	6	-	-	-	-	2015	2017	0	6
SL0600178588-UPNCMW0110	Niles Cone	Monitoring				Unknown	Geotracker	2012	2017	5	55	-	-	-	-	2012	2017	0	10	2012	2017	0	10	-	-	-	-	2012	2017	0	10
SL0600188924-MWF3	Niles Cone	Monitoring	34.15	35	55	Shallow	Geotracker	2009	2009	0	13	-	-	-	-	-	-	-	-	2009	2009	0	3	-	-	-	-	2009	2009	0	6
SL18229627-RZ-2B	Niles Cone	Monitoring				Unknown	Geotracker	2010	2010	0	6	-	-	-	-	2010	2010	0	1	2010	2010	0	1	-	-	-	-	2010	2010	0	1
SL18229627-RZ-2C	Niles Cone	Monitoring				Unknown	Geotracker	2010	2010	0	6	-	-	-	-	2010	2010	0	1	2010	2010	0	1	-	-	-	-	2010	2010	0	1
SL18229627-TEMP-10SE	Niles Cone	Monitoring				Unknown	Geotracker	2010	2010	0	6	-	-	-	-	2010	2010	0	1	2010	2010	0	1	-	-	-	-	2010	2010	0	1
SL18229627-TEMP-10SW	Niles Cone	Monitoring				Unknown	Geotracker	2010	2010	0	6	-	-	-	-	2010	2010	0	1	2010	2010	0	1	-	-	-	-	2010	2010	0	1
SL18229627-TEMP-20S	Niles Cone	Monitoring				Unknown	Geotracker	2010	2010	0	6	-	-	-	-	2010	2010	0	1	2010	2010	0	1	-	-	-	-	2010	2010	0	1
SL18229627-TEMP-5NW	Niles Cone	Monitoring				Unknown	Geotracker	2010	2010	0	6	-	-	-	-	2010	2010	0	1	2010	2010	0	1	-	-	-	-	2010	2010	0	1
SL18290711-EI-1	Niles Cone	Monitoring		76	96	Shallow	Geotracker	2013	2018	5	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SL18290711-EI-2	Niles Cone	Monitoring		74.2	94.2	Shallow	Geotracker	2013	2017	4	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SL18290711-ES-10	Niles Cone	Monitoring		45.3	55.3	Shallow	Geotracker	2012	2018	6	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SL18290711-ES-11	Niles Cone	Monitoring		47.3	57.3	Shallow	Geotracker	2012	2018	6	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SL18290711-ES-12	Niles Cone	Monitoring		43.8	53.8	Shallow	Geotracker	2013	2016	3	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SL18290711-ES-13	Niles Cone	Monitoring		45.1	55.1	Shallow	Geotracker	2013	2016	3	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SL18290711-ES-15	Niles Cone	Monitoring		47.2	57.2	Shallow	Geotracker	2013	2016	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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SL18290711-ES-9	Niles Cone	Monitoring		46.3	56.3	Shallow	Geotracker	2012	2018	6	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SL18290711-IW-11	Niles Cone	Monitoring		72	102	Shallow	Geotracker	2018	2018	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SL18290711-IW-12	Niles Cone	Monitoring		74	104	Shallow	Geotracker	2013	2015	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SL18290711-IW-7	Niles Cone	Monitoring		90.5	100.5	Shallow	Geotracker	2013	2018	5	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SL18290711-IW-8	Niles Cone	Monitoring		76	96	Shallow	Geotracker	2018	2018	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SL18290711-OW-18	Niles Cone	Monitoring		58	73	Shallow	Geotracker	2018	2018	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SL18290711-OW-24	Niles Cone	Monitoring		42	52	Shallow	Geotracker	2018	2018	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SL20225843-D-2	Niles Cone	Monitoring	61	51	61	Shallow	Geotracker	2006	2008	2	27	2006	2008	0	3	-	-	-	-	2006	2008	0	3	2006	2008	0	3	2006	2008	0	3
SL20227845-NW-1	Niles Cone	Monitoring	72	59	69	Shallow	Geotracker	2007	2007	0	1	2007	2007	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SL20240858-DW-1	Niles Cone	Monitoring		101	110	Shallow	Geotracker	2016	2018	2	4	2017	2017	0	1	-	-	-	-	-	-	-	-	2016	2018	0	3	-	-	-	-
SL20240858-DW-11	Niles Cone	Monitoring		55.5	69.5	Shallow	Geotracker	2009	2018	9	8	2017	2017	0	1	-	-	-	-	-	-	-	-	2009	2018	0	7	-	-	-	-
SL20240858-DW-2	Niles Cone	Monitoring		52	70	Shallow	Geotracker	2016	2018	2	2	-	-	-	-	-	-	-	-	-	-	-	-	2016	2018	0	2	-	-	-	-
SL20240858-DW-3	Niles Cone	Monitoring		58	73	Shallow	Geotracker	2016	2018	2	6	2017	2017	0	1	-	-	-	-	-	-	-	-	2016	2018	0	5	-	-	-	-
SL20240858-DW-4	Niles Cone	Monitoring		45	60	Shallow	Geotracker	2009	2018	9	6	-	-	-	-	-	-	-	-	-	-	-	-	2009	2018	0	6	-	-	-	-
SL20240858-DW-8	Niles Cone	Monitoring		51	71	Shallow	Geotracker	2016	2018	2	5	-	-	-	-	-	-	-	-	-	-	-	-	2016	2018	0	5	-	-	-	-
SL20253871-OP-10	Niles Cone	Monitoring				Unknown	Geotracker	2016	2018	2	13	-	-	-	-	-	-	-	-	2016	2018	0	3	-	-	-	-	2016	2018	0	5
SL20253871-OP-2	Niles Cone	Monitoring				Unknown	Geotracker	2016	2018	2	13	-	-	-	-	-	-	-	-	2016	2018	0	3	-	-	-	-	2016	2018	0	5
SL20268886-E-126	Niles Cone	Monitoring	100.2	55	85	Shallow	Geotracker	2005	2012	7	18	2012	2012	0	5	2012	2012	0	5	2012	2012	0	3	-	-	-	-	-	-	-	-
SL20268886-GW-62	Niles Cone	Monitoring				Unknown	Geotracker	2006	2006	0	10	-	-	-	-	2006	2006	0	1	-	-	-	-	2006	2006	0	1	-	-	-	-
SL20268886-GW-63	Niles Cone	Monitoring				Unknown	Geotracker	2006	2006	0	10	-	-	-	-	2006	2006	0	1	-	-	-	-	2006	2006	0	1	-	-	-	-
SL20268886-GW-65	Niles Cone	Monitoring				Unknown	Geotracker	2006	2006	0	10	-	-	-	-	2006	2006	0	1	-	-	-	-	2006	2006	0	1	-	-	-	-
SL20268886-GW-66	Niles Cone	Monitoring				Unknown	Geotracker	2006	2006	0	10	-	-	-	-	2006	2006	0	1	-	-	-	-	2006	2006	0	1	-	-	-	-

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								First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count
SL20268886-GW-68	Niles Cone	Monitoring				Unknown	Geotracker	2006	2006	0	10	-	-	-	-	2006	2006	0	1	-	-	-	-	2006	2006	0	1	-	-	-	-
SL20268886-GW-70	Niles Cone	Monitoring				Unknown	Geotracker	2006	2006	0	20	-	-	-	-	2006	2006	0	2	-	-	-	-	2006	2006	0	2	-	-	-	-
SL20268886-GW-74	Niles Cone	Monitoring				Unknown	Geotracker	2006	2006	0	10	-	-	-	-	2006	2006	0	1	-	-	-	-	2006	2006	0	1	-	-	-	-
SL20268886-MW-NEW1	Niles Cone	Monitoring		49	59	Shallow	Geotracker	2005	2005	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SL20268886-MW-NEW10	Niles Cone	Monitoring	85.45			Shallow	Geotracker	2012	2012	0	4	2012	2012	0	1	2012	2012	0	1	2012	2012	0	1	-	-	-	-	-	-	-	-
SL20268886-MW-NEW11	Niles Cone	Monitoring	68.55			Shallow	Geotracker	2013	2013	0	4	2013	2013	0	1	2013	2013	0	1	2013	2013	0	1	-	-	-	-	-	-	-	-
SL20268886-MW-NEW12	Niles Cone	Monitoring	63.45			Shallow	Geotracker	2013	2013	0	4	2013	2013	0	1	2013	2013	0	1	2013	2013	0	1	-	-	-	-	-	-	-	-
SL20268886-MW-NEW13	Niles Cone	Monitoring	84.76			Shallow	Geotracker	2013	2013	0	4	2013	2013	0	1	2013	2013	0	1	2013	2013	0	1	-	-	-	-	-	-	-	-
SL20268886-MW-NEW14	Niles Cone	Monitoring	59.75			Shallow	Geotracker	2013	2013	0	5	2013	2013	0	2	2013	2013	0	1	2013	2013	0	1	-	-	-	-	-	-	-	-
SL20268886-MW-NEW15	Niles Cone	Monitoring	60.2			Shallow	Geotracker	2015	2015	0	9	2015	2015	0	1	2015	2015	0	1	2015	2015	0	1	-	-	-	-	2015	2015	0	1
SL20268886-MW-NEW16	Niles Cone	Monitoring	50.7			Shallow	Geotracker	2015	2015	0	9	2015	2015	0	1	2015	2015	0	1	2015	2015	0	1	-	-	-	-	2015	2015	0	1
SL20268886-MW-NEW19	Niles Cone	Monitoring	51.8			Shallow	Geotracker	2015	2015	0	9	2015	2015	0	1	2015	2015	0	1	2015	2015	0	1	-	-	-	-	2015	2015	0	1
SL20268886-MW-NEW1R	Niles Cone	Monitoring	57.4	47.3	57.3	Shallow	Geotracker	2012	2018	6	51	2012	2018	0	10	2012	2018	0	9	2012	2018	0	9	2013	2013	0	1	2013	2013	0	2
SL20268886-MW-NEW2	Niles Cone	Monitoring		47.5	57.5	Shallow	Geotracker	2005	2008	3	8	2006	2008	0	3	-	-	-	-	2008	2008	0	1	-	-	-	-	-	-	-	-
SL20268886-MW-NEW3	Niles Cone	Monitoring	52.3	42.5	52.5	Shallow	Geotracker	2005	2012	7	5	2012	2012	0	1	2012	2012	0	1	2012	2012	0	1	-	-	-	-	-	-	-	-
SL20268886-MW-NEW4	Niles Cone	Monitoring	50.85	42.5	52.5	Shallow	Geotracker	2005	2012	7	5	2012	2012	0	1	2012	2012	0	1	2012	2012	0	1	-	-	-	-	-	-	-	-
SL20268886-MW-NEW5	Niles Cone	Monitoring	60.5	50	60	Shallow	Geotracker	2005	2018	13	51	2006	2018	0	14	2010	2018	0	10	2008	2018	0	12	-	-	-	-	-	-	-	-
SL20268886-MW-NEW6	Niles Cone	Monitoring	62	50	60	Shallow	Geotracker	2005	2012	7	5	2012	2012	0	1	2012	2012	0	1	2012	2012	0	1	-	-	-	-	-	-	-	-
SL20268886-MW-NEW7	Niles Cone	Monitoring	60.92	50	60	Shallow	Geotracker	2005	2018	13	69	2006	2018	0	15	2010	2018	0	11	2008	2018	0	14	2013	2013	0	1	2013	2015	0	2
SL20268886-MW-NEW9	Niles Cone	Monitoring	52.15			Shallow	Geotracker	2012	2013	1	13	2012	2012	0	1	2012	2012	0	1	2012	2013	0	2	2013	2013	0	1	2013	2013	0	1
T0600100063-MW-4	Niles Cone	Monitoring				Unknown	Geotracker	2007	2007	0	2	-	-	-	-	-	-	-	-	2007	2007	0	1	-	-	-	-	-	-	-	-
T0600100211-ES-3	Niles Cone	Monitoring				Unknown	Geotracker	2011	2011	0	1	2011	2011	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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								First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count
T0600100211-UMW-3	Niles Cone	Monitoring		50	70	Shallow	Geotracker	2011	2011	0	1	2011	2011	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600100218-MW-10	Niles Cone	Monitoring				Unknown	Geotracker	2008	2009	1	6	-	-	-	-	-	-	-	-	2008	2009	0	3	-	-	-	-	2008	2009	0	3
T0600100218-MW-11	Niles Cone	Monitoring				Unknown	Geotracker	2008	2009	1	13	-	-	-	-	-	-	-	-	2008	2009	0	6	-	-	-	-	2008	2009	0	6
T0600100218-MW-12	Niles Cone	Monitoring				Unknown	Geotracker	2008	2010	2	16	-	-	-	-	-	-	-	-	2008	2010	0	7	-	-	-	-	2008	2010	0	7
T0600100218-MW-3A	Niles Cone	Monitoring				Unknown	Geotracker	2008	2010	2	23	-	-	-	-	-	-	-	-	2008	2010	0	8	-	-	-	-	2008	2010	0	8
T0600100218-MW-4	Niles Cone	Monitoring				Unknown	Geotracker	2008	2009	1	9	-	-	-	-	-	-	-	-	2008	2009	0	4	-	-	-	-	2008	2009	0	4
T0600100218-MW-5	Niles Cone	Monitoring				Unknown	Geotracker	2008	2009	1	9	-	-	-	-	-	-	-	-	2008	2009	0	4	-	-	-	-	2008	2009	0	4
T0600100218-MW-6	Niles Cone	Monitoring				Unknown	Geotracker	2008	2009	1	9	-	-	-	-	-	-	-	-	2008	2009	0	4	-	-	-	-	2008	2009	0	4
T0600100218-MW-7	Niles Cone	Monitoring				Unknown	Geotracker	2008	2009	1	13	-	-	-	-	-	-	-	-	2008	2009	0	6	-	-	-	-	2008	2009	0	6
T0600100218-MW-8A	Niles Cone	Monitoring				Unknown	Geotracker	2008	2010	2	23	-	-	-	-	-	-	-	-	2008	2010	0	8	-	-	-	-	2008	2010	0	8
T0600100218-MW-9	Niles Cone	Monitoring				Unknown	Geotracker	2008	2009	1	6	-	-	-	-	-	-	-	-	2008	2009	0	3	-	-	-	-	2008	2009	0	3
T0600100421-MW-22	Niles Cone	Monitoring	63.75			Shallow	Geotracker	2018	2018	0	2	-	-	-	-	-	-	-	-	2018	2018	0	1	-	-	-	-	-	-	-	-
T0600100780-MW-11	Niles Cone	Monitoring	62.45			Shallow	Geotracker	2003	2005	2	8	-	-	-	-	-	-	-	-	2003	2005	0	4	-	-	-	-	-	-	-	-
T0600100780-MW-12	Niles Cone	Monitoring	60.55			Shallow	Geotracker	2003	2003	0	6	-	-	-	-	-	-	-	-	2003	2003	0	3	-	-	-	-	-	-	-	-
T0600100780-MW-13	Niles Cone	Monitoring	59.66			Shallow	Geotracker	2003	2005	2	8	-	-	-	-	-	-	-	-	2003	2005	0	4	-	-	-	-	-	-	-	-
T0600100780-MW-14	Niles Cone	Monitoring	58.3			Shallow	Geotracker	2005	2005	0	2	-	-	-	-	-	-	-	-	2005	2005	0	1	-	-	-	-	-	-	-	-
T0600100780-MW-15	Niles Cone	Monitoring	59.07			Shallow	Geotracker	2005	2005	0	2	-	-	-	-	-	-	-	-	2005	2005	0	1	-	-	-	-	-	-	-	-
T0600100780-MW-2	Niles Cone	Monitoring	55.11			Shallow	Geotracker	2003	2003	0	6	-	-	-	-	-	-	-	-	2003	2003	0	3	-	-	-	-	-	-	-	-
T0600100780-MW-21	Niles Cone	Monitoring	58.85			Shallow	Geotracker	2005	2005	0	1	-	-	-	-	-	-	-	-	2005	2005	0	1	-	-	-	-	-	-	-	-
T0600100780-MW-3	Niles Cone	Monitoring	50.12			Shallow	Geotracker	2003	2005	2	8	-	-	-	-	-	-	-	-	2003	2005	0	4	-	-	-	-	-	-	-	-
T0600100918-MW-1	Niles Cone	Monitoring				Unknown	Geotracker	2007	2007	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600100918-MW-9	Niles Cone	Monitoring				Unknown	Geotracker	2007	2007	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

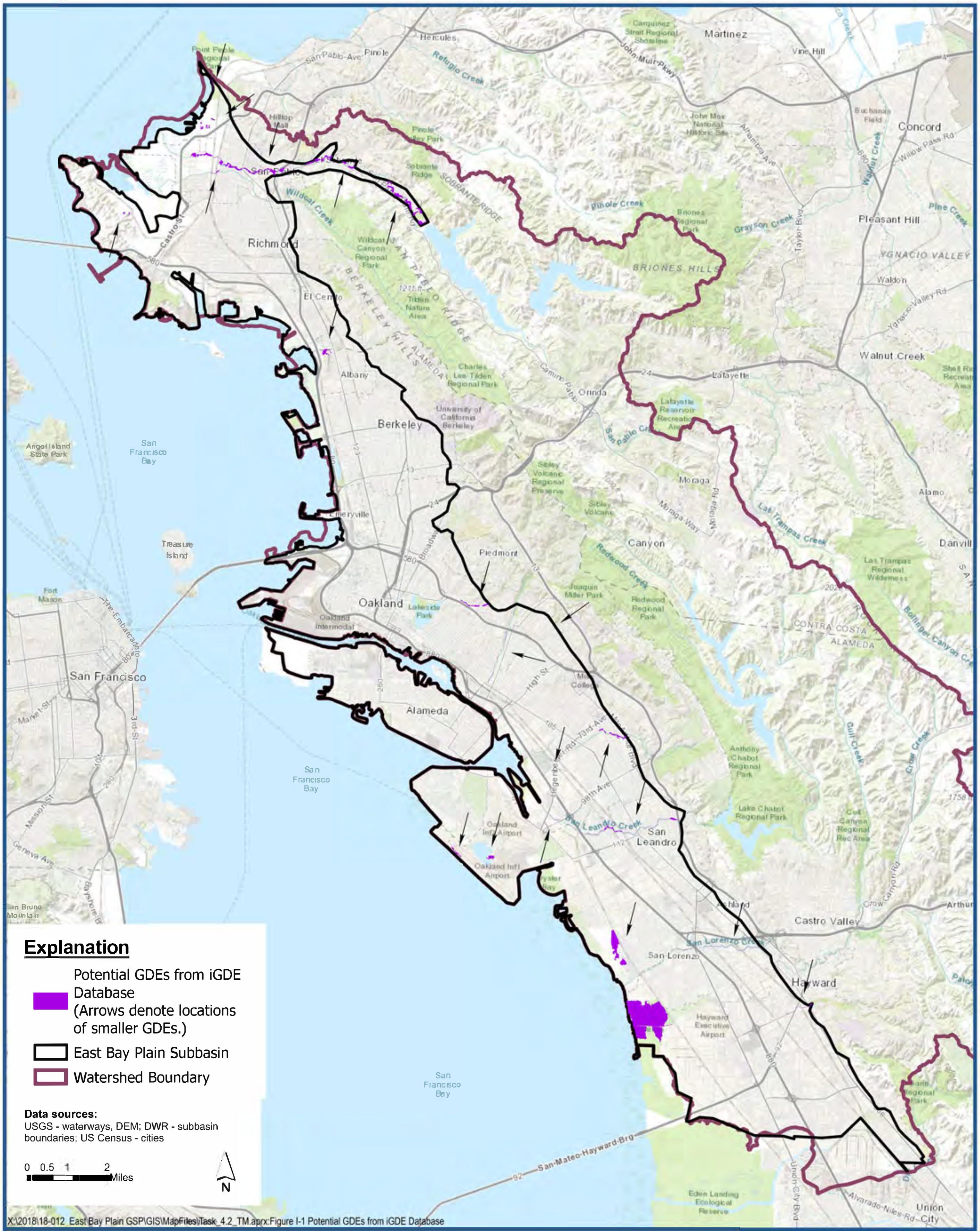
Well ID	Subbasin	Well Use	Total Depth	Perf. Top	Perf. Bottom	Depth Zone	Dataset	ALL CONSTITUENTS				Total Dissolved Solids (TDS)				Chloride (Cl)				Nitrate (NO3-N)				Arsenic (As)				Manganese (Mn)			
								First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count
T0600101118-MW-12	Niles Cone	Monitoring				Unknown	Geotracker	2008	2008	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101118-MW-4	Niles Cone	Monitoring				Unknown	Geotracker	2008	2008	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101118-MW-9	Niles Cone	Monitoring				Unknown	Geotracker	2008	2008	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101346-MW-8	Niles Cone	Monitoring	54.23			Shallow	Geotracker	2010	2010	0	1	-	-	-	-	-	-	-	-	2010	2010	0	1	-	-	-	-	-	-	-	-
T0600101346-MW-9	Niles Cone	Monitoring	59.48			Shallow	Geotracker	2010	2010	0	1	-	-	-	-	-	-	-	-	2010	2010	0	1	-	-	-	-	-	-	-	-
T0600101478-MW-3	Niles Cone	Monitoring	48.7	45	95	Shallow	Geotracker	2010	2010	0	9	-	-	-	-	-	-	-	-	-	-	-	-	2010	2010	0	1	2010	2010	0	1
T0600101482-EX-3	Niles Cone	Monitoring				Unknown	Geotracker	2018	2018	0	3	2018	2018	0	1	-	-	-	-	2018	2018	0	1	-	-	-	-	-	-	-	-
T0600101482-MW-10	Niles Cone	Monitoring				Unknown	Geotracker	2010	2010	0	15	-	-	-	-	2010	2010	0	2	2010	2010	0	3	2010	2010	0	2	2010	2010	0	2
T0600101482-MW-11	Niles Cone	Monitoring				Unknown	Geotracker	2010	2010	0	14	-	-	-	-	2010	2010	0	2	2010	2010	0	3	2010	2010	0	2	2010	2010	0	2
T0600101482-MW-23	Niles Cone	Monitoring				Unknown	Geotracker	2018	2018	0	3	2018	2018	0	1	-	-	-	-	2018	2018	0	1	-	-	-	-	-	-	-	-
T0600101482-MW-3	Niles Cone	Monitoring				Unknown	Geotracker	2010	2018	8	18	2018	2018	0	1	2010	2010	0	2	2010	2018	0	4	2010	2010	0	2	2010	2010	0	2
T0600101483-MW-17	Niles Cone	Monitoring				Unknown	Geotracker	2010	2011	1	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101483-MW-3	Niles Cone	Monitoring				Unknown	Geotracker	2010	2012	2	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101483-MW-4	Niles Cone	Monitoring				Unknown	Geotracker	2010	2016	6	57	2015	2016	0	5	2010	2010	0	1	2010	2016	0	7	2010	2015	0	2	2010	2016	0	11
T0600101483-MW-6	Niles Cone	Monitoring				Unknown	Geotracker	2010	2012	2	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101483-RW-1	Niles Cone	Monitoring				Unknown	Geotracker	2011	2016	5	28	2016	2016	0	2	-	-	-	-	2016	2016	0	2	-	-	-	-	2016	2016	0	4
T0600101483-RW-2	Niles Cone	Monitoring				Unknown	Geotracker	2015	2016	1	41	2015	2016	0	6	-	-	-	-	2015	2016	0	7	-	-	-	-	2015	2016	0	12
T0600101484-MW-21	Niles Cone	Monitoring				Unknown	Geotracker	2001	2004	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600101672-MW-1	Niles Cone	Monitoring				Unknown	Geotracker	2003	2006	3	3	-	-	-	-	-	-	-	-	2003	2003	0	1	-	-	-	-	-	-	-	-
T0600101672-MW-2	Niles Cone	Monitoring				Unknown	Geotracker	2003	2006	3	3	-	-	-	-	-	-	-	-	2003	2003	0	1	-	-	-	-	-	-	-	-
T0600101672-MW-3	Niles Cone	Monitoring				Unknown	Geotracker	2003	2006	3	5	-	-	-	-	-	-	-	-	2003	2003	0	1	-	-	-	-	-	-	-	-
T0600101672-MW-4	Niles Cone	Monitoring				Unknown	Geotracker	2003	2006	3	3	-	-	-	-	-	-	-	-	2003	2003	0	1	-	-	-	-	-	-	-	-

Well ID	Subbasin	Well Use	Total Depth	Perf. Top	Perf. Bottom	Depth Zone	Dataset	ALL CONSTITUENTS				Total Dissolved Solids (TDS)				Chloride (Cl)				Nitrate (NO3-N)				Arsenic (As)				Manganese (Mn)			
								First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count
T0600101672-MW-5	Niles Cone	Monitoring				Unknown	Geotracker	2003	2006	3	5	-	-	-	-	-	-	-	-	2003	2003	0	1	-	-	-	-	-	-	-	-
T0600101972-MW-1B	Niles Cone	Monitoring		51.52	60.52	Shallow	Geotracker	2005	2018	13	63	-	-	-	-	-	-	-	-	-	-	-	-	2005	2018	0	63	-	-	-	-
T0600102073-EW-1	Niles Cone	Monitoring				Unknown	Geotracker	2011	2016	5	6	-	-	-	-	-	-	-	-	2016	2016	0	1	-	-	-	-	2016	2016	0	2
T0600102073-EW-2	Niles Cone	Monitoring				Unknown	Geotracker	2011	2016	5	4	-	-	-	-	-	-	-	-	2016	2016	0	1	-	-	-	-	2016	2016	0	1
T0600102073-EW-5	Niles Cone	Monitoring				Unknown	Geotracker	2010	2016	6	22	-	-	-	-	-	-	-	-	2016	2016	0	2	2010	2012	0	6	2016	2016	0	2
T0600102073-EW-7	Niles Cone	Monitoring				Unknown	Geotracker	2011	2011	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600102073-EW-8	Niles Cone	Monitoring				Unknown	Geotracker	2011	2011	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600102073-MW-10	Niles Cone	Monitoring				Unknown	Geotracker	2010	2011	1	3	-	-	-	-	-	-	-	-	-	-	-	-	2010	2010	0	1	-	-	-	-
T0600102073-MW-12	Niles Cone	Monitoring				Unknown	Geotracker	2011	2011	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600102073-MW-14	Niles Cone	Monitoring	53.81			Shallow	Geotracker	2010	2010	0	1	-	-	-	-	-	-	-	-	-	-	-	-	2010	2010	0	1	-	-	-	-
T0600102073-MW-15	Niles Cone	Monitoring	53.6			Shallow	Geotracker	2010	2010	0	1	-	-	-	-	-	-	-	-	-	-	-	-	2010	2010	0	1	-	-	-	-
T0600102073-MW-17	Niles Cone	Monitoring				Unknown	Geotracker	2011	2011	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600102073-MW-18	Niles Cone	Monitoring	56.95			Shallow	Geotracker	2010	2010	0	1	-	-	-	-	-	-	-	-	-	-	-	-	2010	2010	0	1	-	-	-	-
T0600102073-MW-2	Niles Cone	Monitoring				Unknown	Geotracker	2011	2011	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600102073-MW-23	Niles Cone	Monitoring		50	60	Shallow	Geotracker	2010	2010	0	1	-	-	-	-	-	-	-	-	-	-	-	-	2010	2010	0	1	-	-	-	-
T0600102073-MW-26	Niles Cone	Monitoring	57.92	50	60	Shallow	Geotracker	2010	2010	0	1	-	-	-	-	-	-	-	-	-	-	-	-	2010	2010	0	1	-	-	-	-
T0600102073-MW-28	Niles Cone	Monitoring	104.25	50	110	Shallow	Geotracker	2010	2010	0	1	-	-	-	-	-	-	-	-	-	-	-	-	2010	2010	0	1	-	-	-	-
T0600102073-MW-4	Niles Cone	Monitoring				Unknown	Geotracker	2011	2016	5	4	-	-	-	-	-	-	-	-	2016	2016	0	1	-	-	-	-	2016	2016	0	1
T0600102073-MW-7	Niles Cone	Monitoring				Unknown	Geotracker	2011	2011	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600102073-P-10	Niles Cone	Monitoring				Unknown	Geotracker	2011	2012	1	16	-	-	-	-	-	-	-	-	-	-	-	-	2011	2012	0	5	-	-	-	-
T0600102073-P-12	Niles Cone	Monitoring				Unknown	Geotracker	2011	2012	1	7	-	-	-	-	-	-	-	-	-	-	-	-	2011	2012	0	2	-	-	-	-
T0600102073-P-4	Niles Cone	Monitoring				Unknown	Geotracker	2011	2016	5	6	-	-	-	-	-	-	-	-	2016	2016	0	2	-	-	-	-	2016	2016	0	2

Well ID	Subbasin	Well Use	Total Depth	Perf. Top	Perf. Bottom	Depth Zone	Dataset	ALL CONSTITUENTS				Total Dissolved Solids (TDS)				Chloride (Cl)				Nitrate (NO3-N)				Arsenic (As)				Manganese (Mn)			
								First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count	First Msmt.	Last Msmt.	Per. of Record	Msmt. Count
T0600102073-P-6	Niles Cone	Monitoring				Unknown	Geotracker	2011	2012	1	7	-	-	-	-	-	-	-	-	-	-	-	-	2011	2012	0	2	-	-	-	-
T0600102073-P-7	Niles Cone	Monitoring				Unknown	Geotracker	2010	2012	2	18	-	-	-	-	-	-	-	-	-	-	-	-	2010	2012	0	6	-	-	-	-
T0600102073-P-9	Niles Cone	Monitoring				Unknown	Geotracker	2011	2016	5	11	-	-	-	-	-	-	-	-	2016	2016	0	1	2011	2012	0	2	2016	2016	0	1
T0600141337-MW-10	Niles Cone	Monitoring				Unknown	Geotracker	2012	2015	3	8	2012	2012	0	1	2012	2012	0	1	2012	2015	0	2	-	-	-	-	2012	2015	0	2
T0600141337-MW-11	Niles Cone	Monitoring				Unknown	Geotracker	2015	2015	0	3	-	-	-	-	-	-	-	-	2015	2015	0	1	-	-	-	-	2015	2015	0	1
T0600141337-MW-12	Niles Cone	Monitoring				Unknown	Geotracker	2015	2015	0	3	-	-	-	-	-	-	-	-	2015	2015	0	1	-	-	-	-	2015	2015	0	1
T0600141337-MW-13	Niles Cone	Monitoring				Unknown	Geotracker	2015	2015	0	3	-	-	-	-	-	-	-	-	2015	2015	0	1	-	-	-	-	2015	2015	0	1
T0600141337-MW-2R	Niles Cone	Monitoring				Unknown	Geotracker	2012	2015	3	8	2012	2012	0	1	2012	2012	0	1	2012	2015	0	2	-	-	-	-	2012	2015	0	2
T0600141337-MW-4	Niles Cone	Monitoring				Unknown	Geotracker	2012	2015	3	8	2012	2012	0	1	2012	2012	0	1	2012	2015	0	2	-	-	-	-	2012	2015	0	2
T0600141337-MW-5R	Niles Cone	Monitoring				Unknown	Geotracker	2012	2015	3	8	2012	2012	0	1	2012	2012	0	1	2012	2015	0	2	-	-	-	-	2012	2015	0	2
T0600141337-MW-6	Niles Cone	Monitoring				Unknown	Geotracker	2012	2015	3	8	2012	2012	0	1	2012	2012	0	1	2012	2015	0	2	-	-	-	-	2012	2015	0	2
T0600141337-MW-7	Niles Cone	Monitoring				Unknown	Geotracker	2012	2015	3	8	2012	2012	0	1	2012	2012	0	1	2012	2015	0	2	-	-	-	-	2012	2015	0	2
T0600141337-MW-8	Niles Cone	Monitoring				Unknown	Geotracker	2012	2012	0	5	2012	2012	0	1	2012	2012	0	1	2012	2012	0	1	-	-	-	-	2012	2012	0	1
T0600141337-MW-9	Niles Cone	Monitoring				Unknown	Geotracker	2012	2015	3	8	2012	2012	0	1	2012	2012	0	1	2012	2015	0	2	-	-	-	-	2012	2015	0	2
T0600180012-MW-01	Niles Cone	Monitoring				Unknown	Geotracker	2002	2003	1	4	2002	2003	0	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600180012-MW-02	Niles Cone	Monitoring				Unknown	Geotracker	2002	2003	1	4	2002	2003	0	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600180012-MW-03	Niles Cone	Monitoring				Unknown	Geotracker	2002	2003	1	5	2002	2003	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T0600191477-MW-12	Niles Cone	Monitoring		71.5	76.5	Shallow	Geotracker	2005	2006	1	2	-	-	-	-	-	-	-	-	-	-	-	-	2005	2006	0	2	-	-	-	-
T0601300156-MW-2R	Niles Cone	Monitoring				Unknown	Geotracker	2008	2009	1	11	-	-	-	-	-	-	-	-	2008	2009	0	8	-	-	-	-	2008	2009	0	4
T0601300156-MW-3R	Niles Cone	Monitoring				Unknown	Geotracker	2008	2009	1	11	-	-	-	-	-	-	-	-	2008	2009	0	8	-	-	-	-	2008	2009	0	4

Attachment 1

Groundwater Dependent Ecosystem KMZ Files



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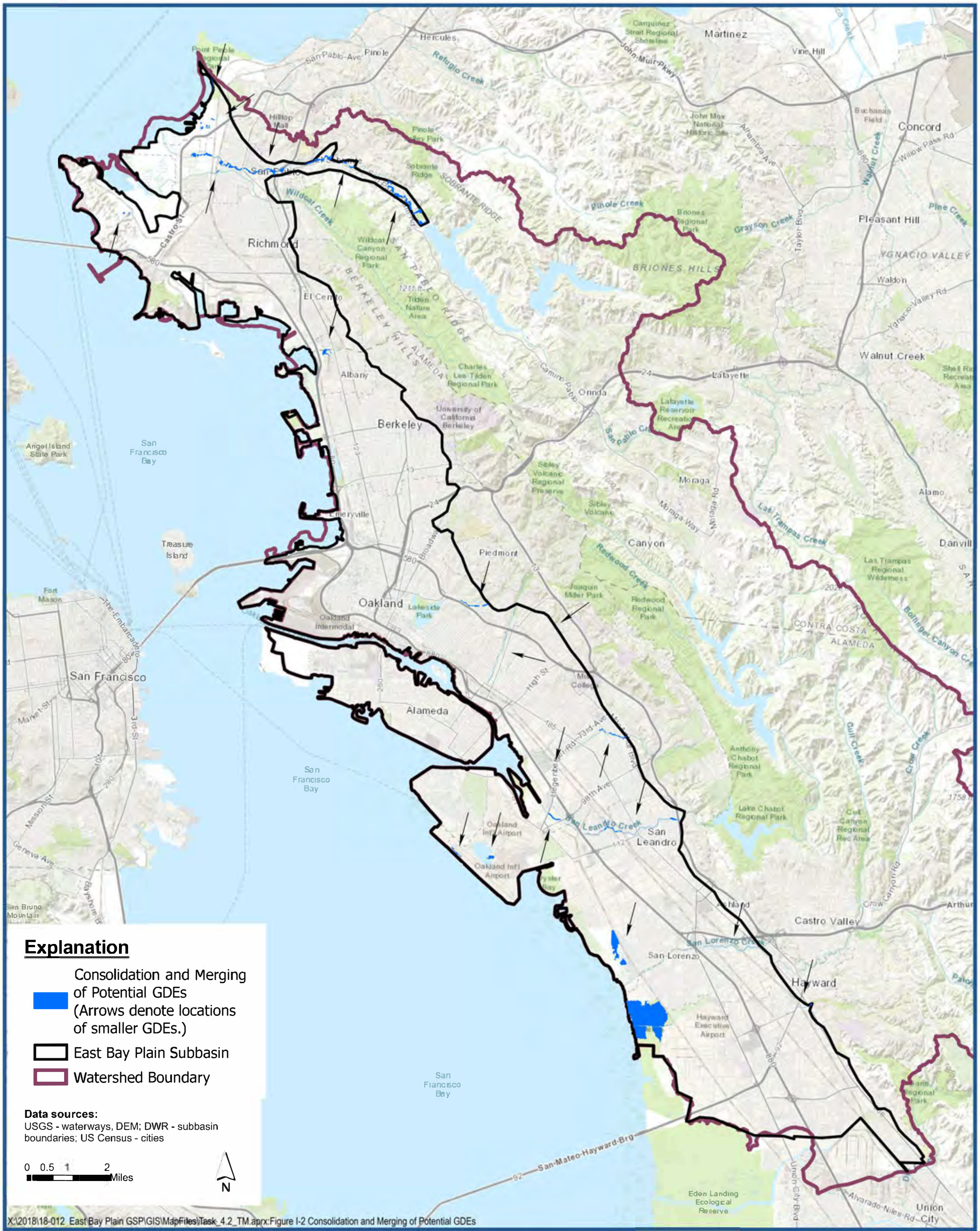
Consulting Engineers

Map of Potential Groundwater Dependent Ecosystems (GDEs) from iGDE Database [KMZI]

Groundwater Sustainability Plan
EBMUD/East Bay Plain Subbasin

Figure I-1



X:\2018\18-012_East Bay Plain GSP\GIS\MapFiles\Task_4.2_TM.aprx:Figure I-2 Consolidation and Merging of Potential GDEs

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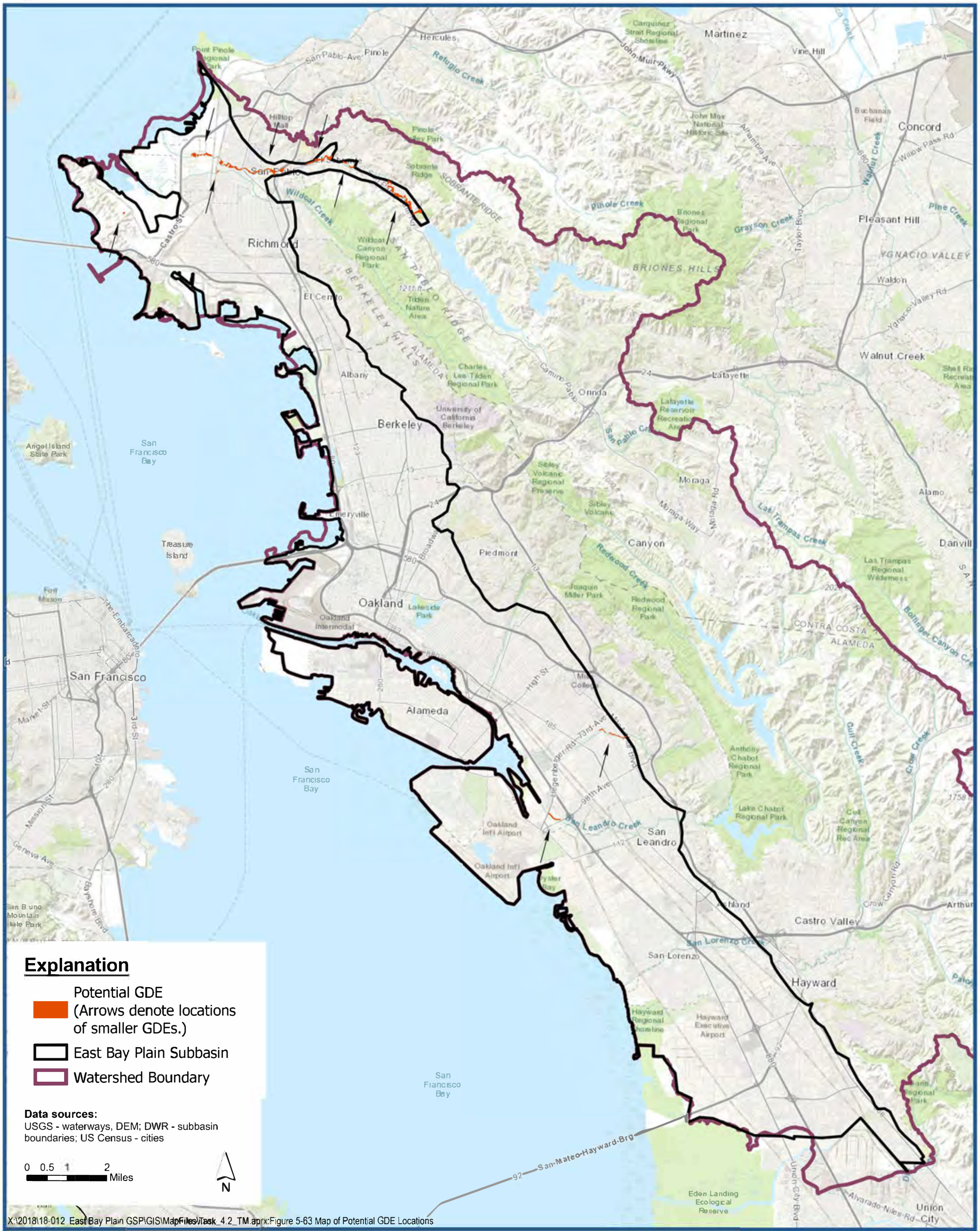
Consulting Engineers

Consolidation and Merging of Potential Groundwater Dependent Ecosystems (GDEs) [KMZ2]

Groundwater Sustainability Plan
EBMUD/East Bay Plain Subbasin

Figure I-2



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

X:\2018\18-012 East Bay Plain GSP\GIS\MapFiles\Task_4.2_TM.aprx:Figure 5-63 Map of Potential GDE Locations

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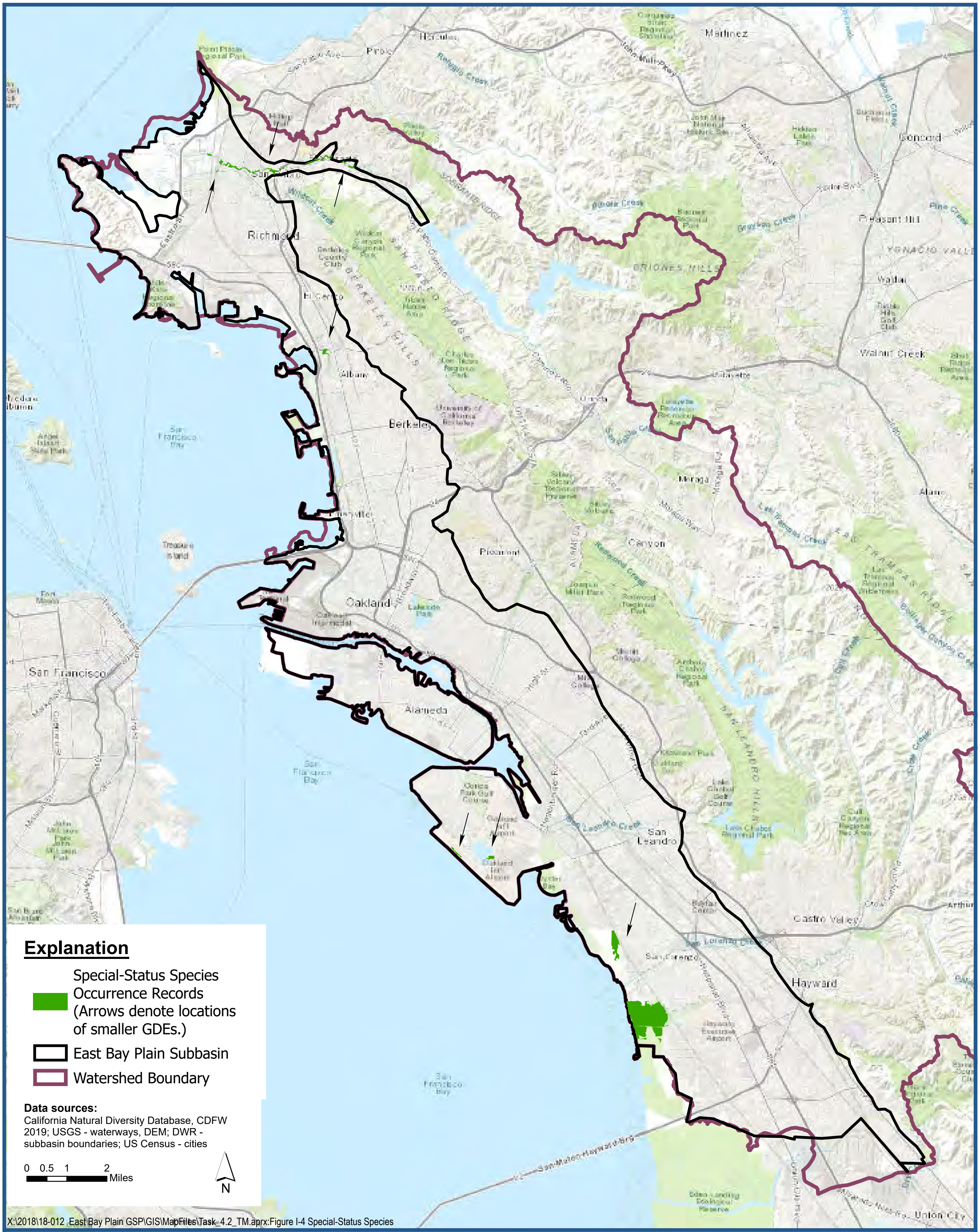
Map of Potential Groundwater Dependent Ecosystems (GDEs) Identified [KMZ3]

Groundwater Sustainability Plan
EBMUD/East Bay Plain Subbasin

Figure I-3



Explanation

🟩 Special-Status Species Occurrence Records (Arrows denote locations of smaller GDEs.)

▭ East Bay Plain Subbasin

▭ Watershed Boundary

Data sources:
California Natural Diversity Database, CDFW 2019; USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

0 0.5 1 2 Miles

N

X:\2018\18-012_East Bay Plain GSP\GIS\MapFiles\Task_4.2_TM.aprx:Figure I-4 Special-Status Species

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Map of Special-Status Species Occurrences within Potential GDEs

Groundwater Sustainability Plan
EBMUD/East Bay Plain Subbasin

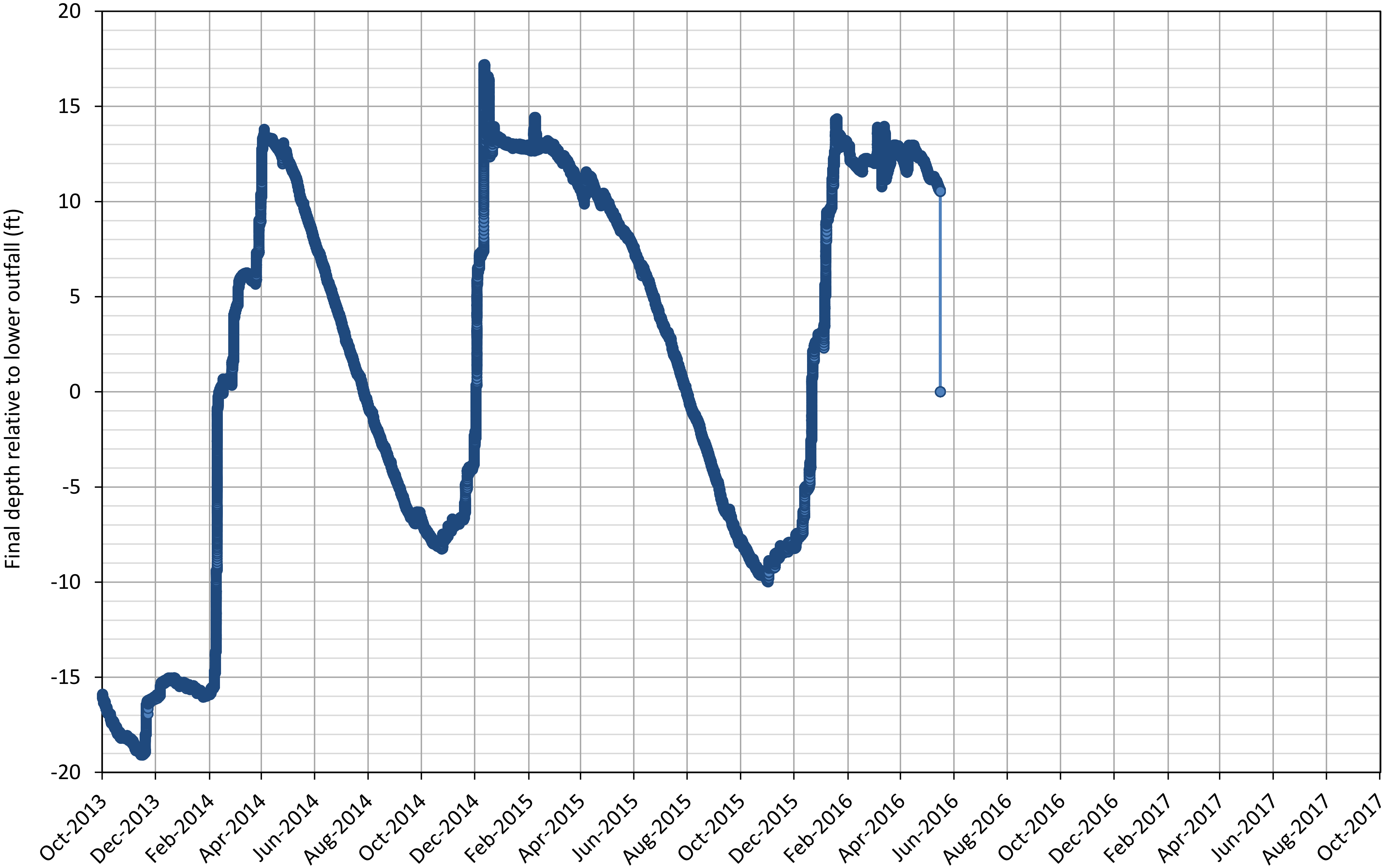
Figure I-4

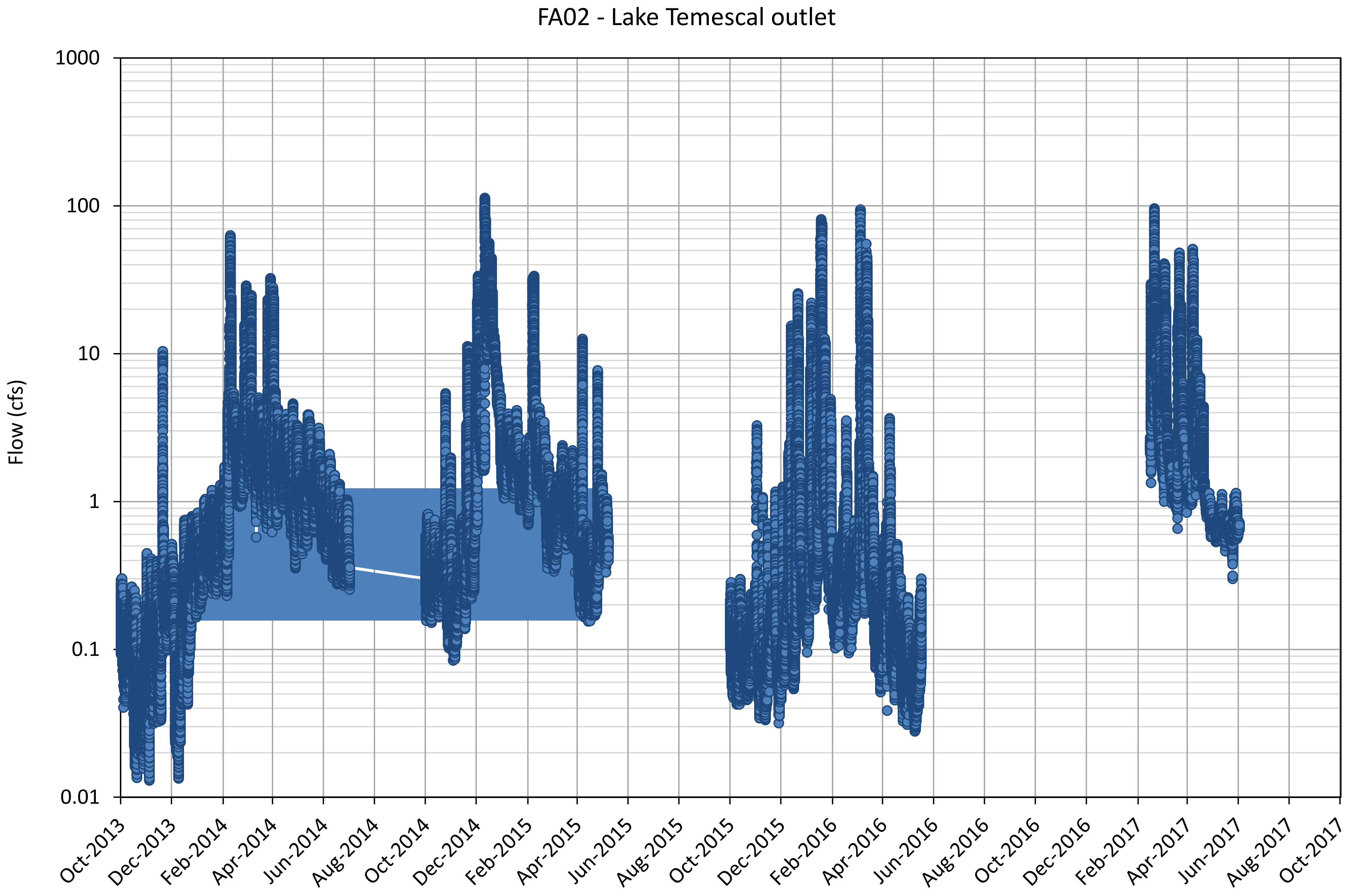
APPENDIX 2. PLAN AREA AND BASIN SETTING

2.A. Technical Memoranda and Data

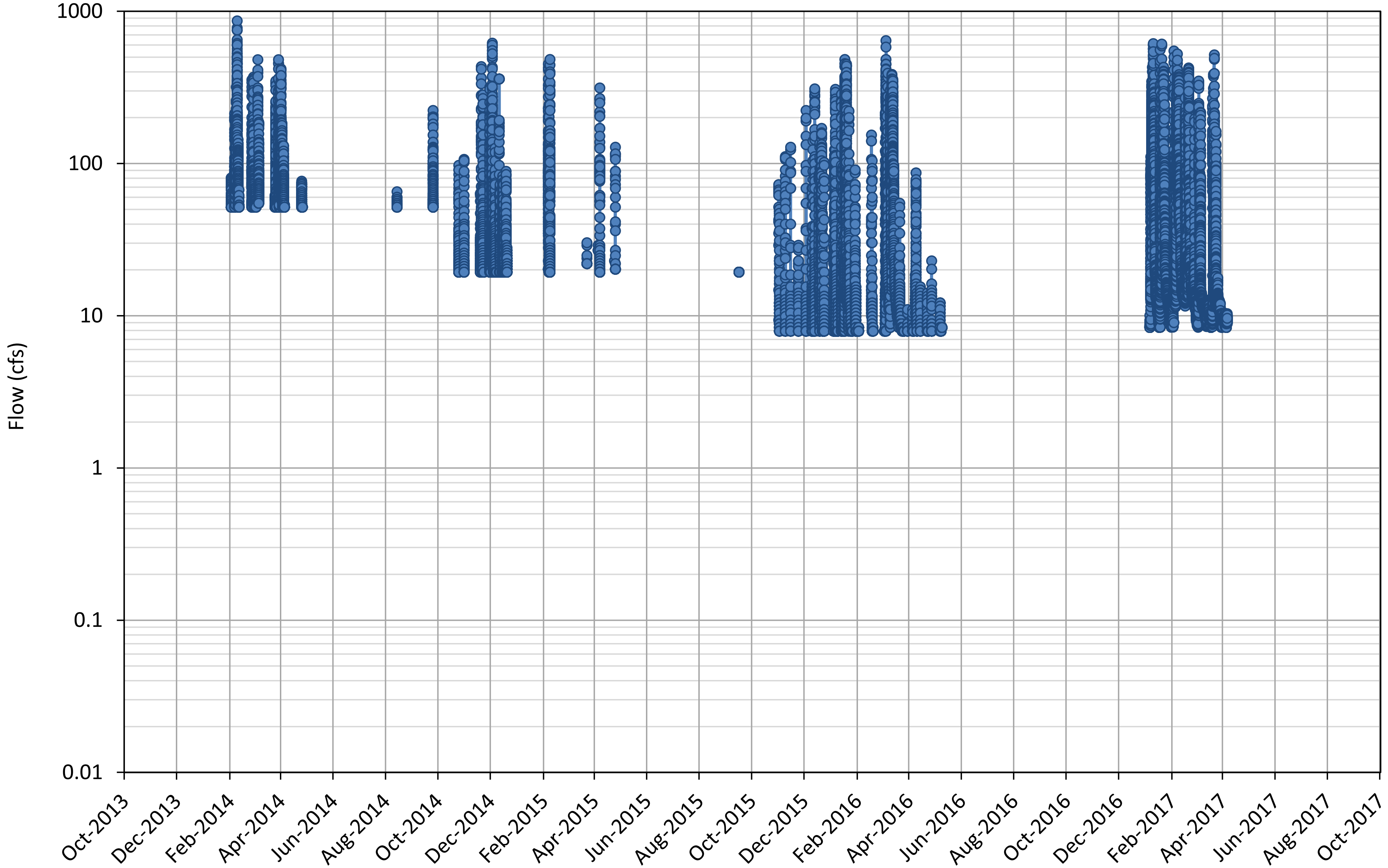
2.A.c. ACPWA Streamflow Data and EBMUD Reservoir Releases

CCC01 - Claremont Country Club Old Quarry Site

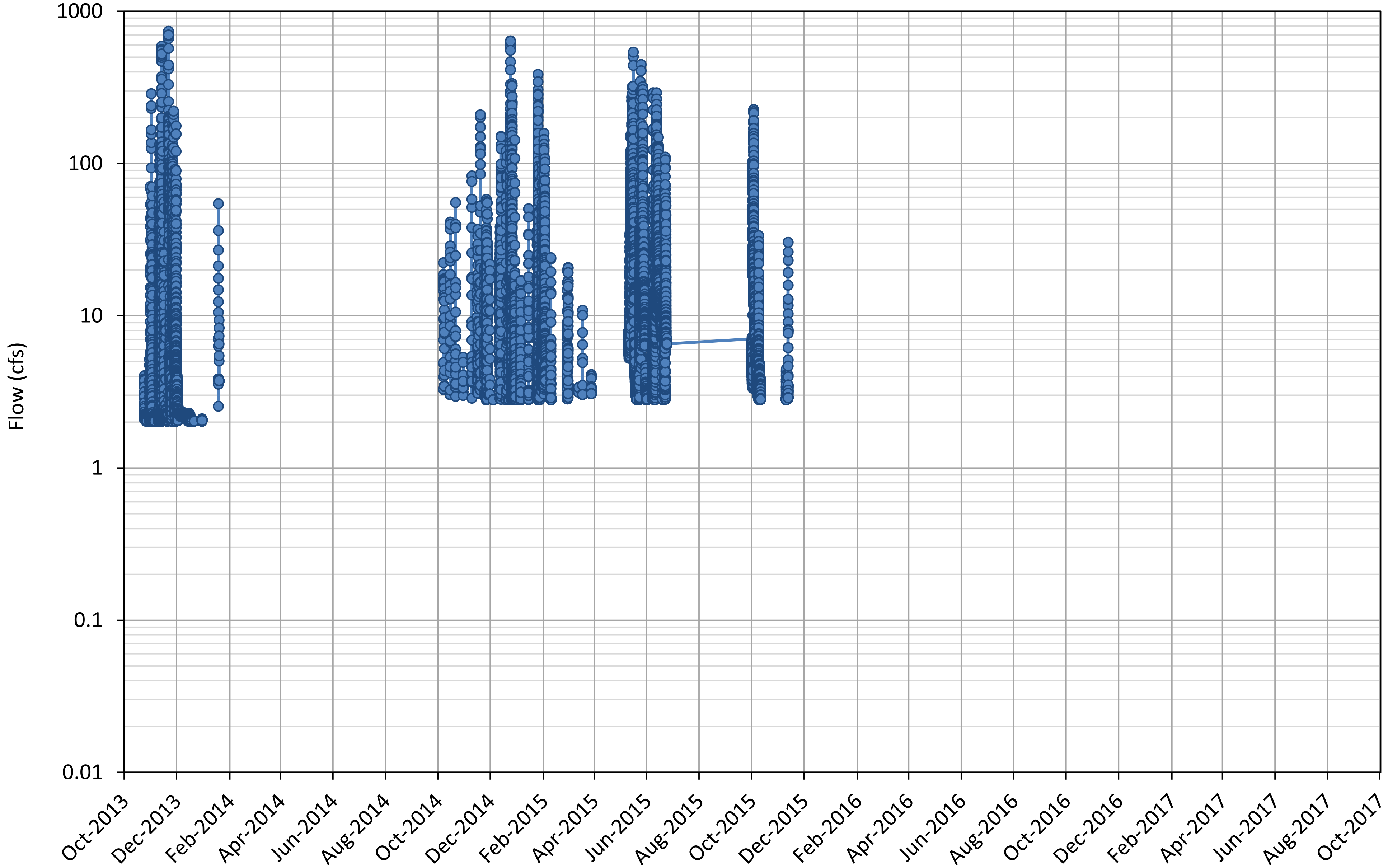



FA02 - Lake Temescal outlet
Flow (cfs)
1000
100
10
1
0.1
0.01
Oct-2013
Dec-2013
Feb-2014
Apr-2014
Jun-2014
Aug-2014
Oct-2014
Dec-2014
Feb-2015
Apr-2015
Jun-2015
Aug-2015
Oct-2015
Dec-2015
Feb-2016
Apr-2016
Jun-2016
Aug-2016
Oct-2016
Dec-2016
Feb-2017
Apr-2017
Jun-2017
Aug-2017
Oct-2017

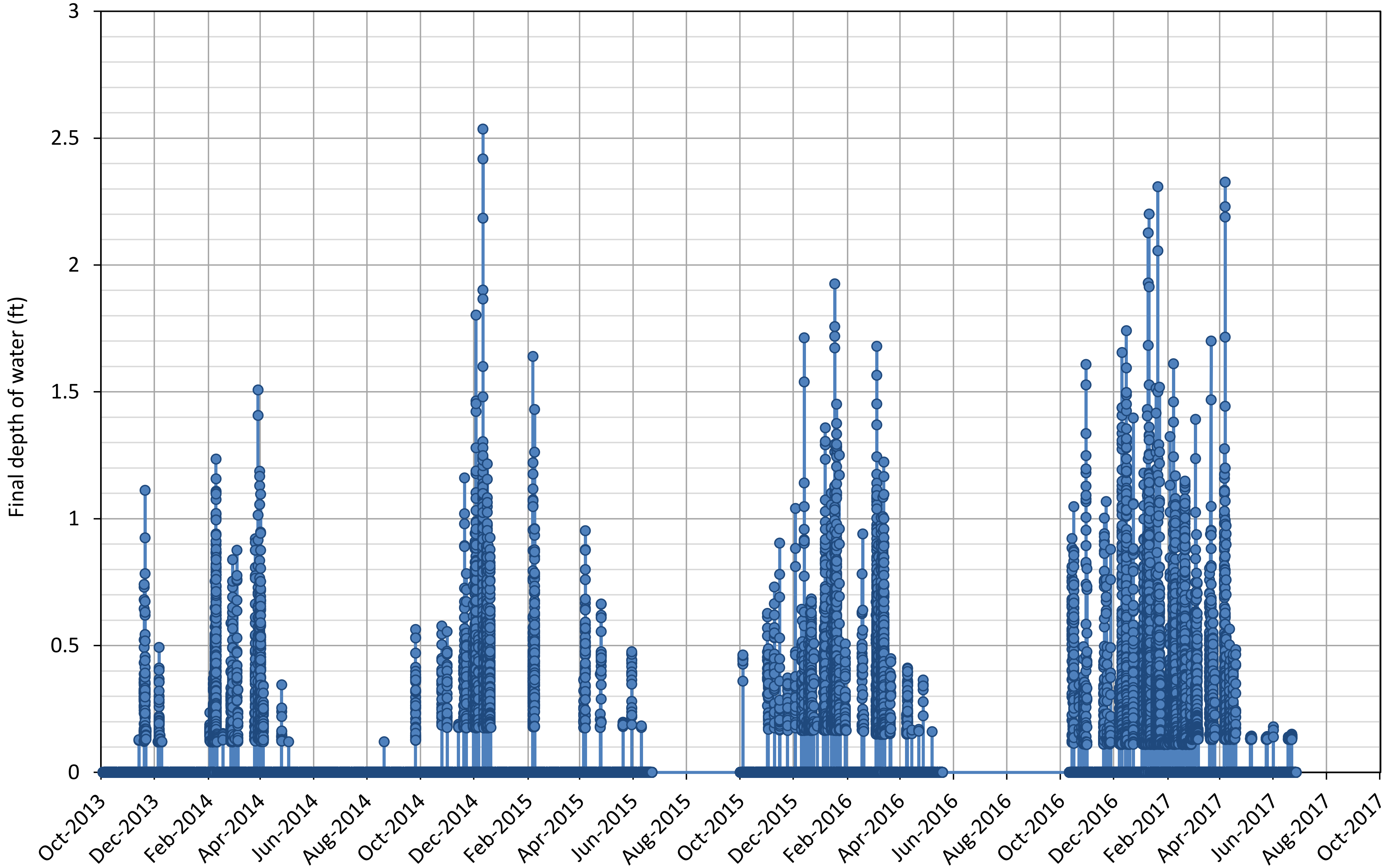
FA03 - Lower Temescal Creek at Temescal Crek Park



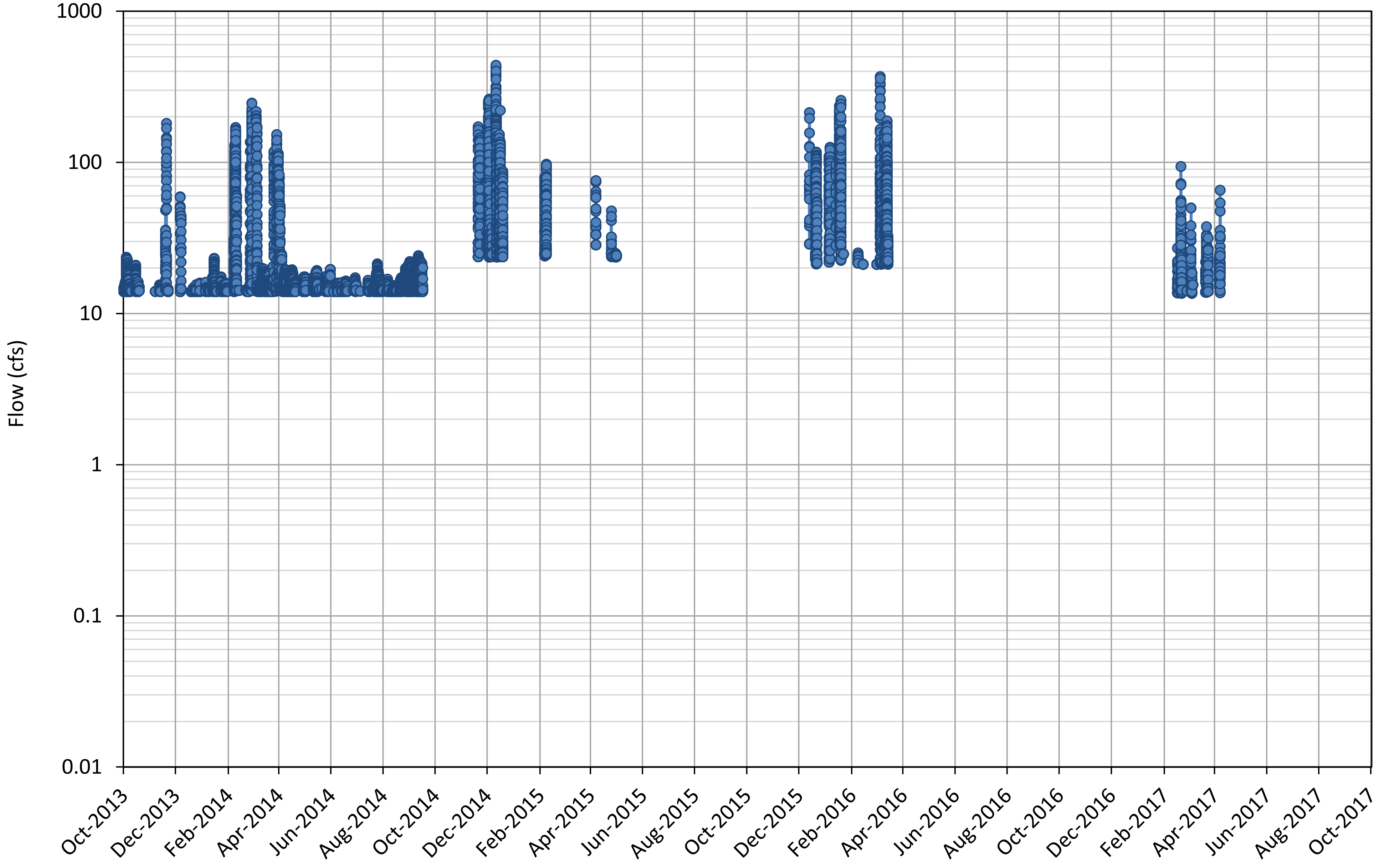
FB01 - Upstream of 27th St. near Valdez St.



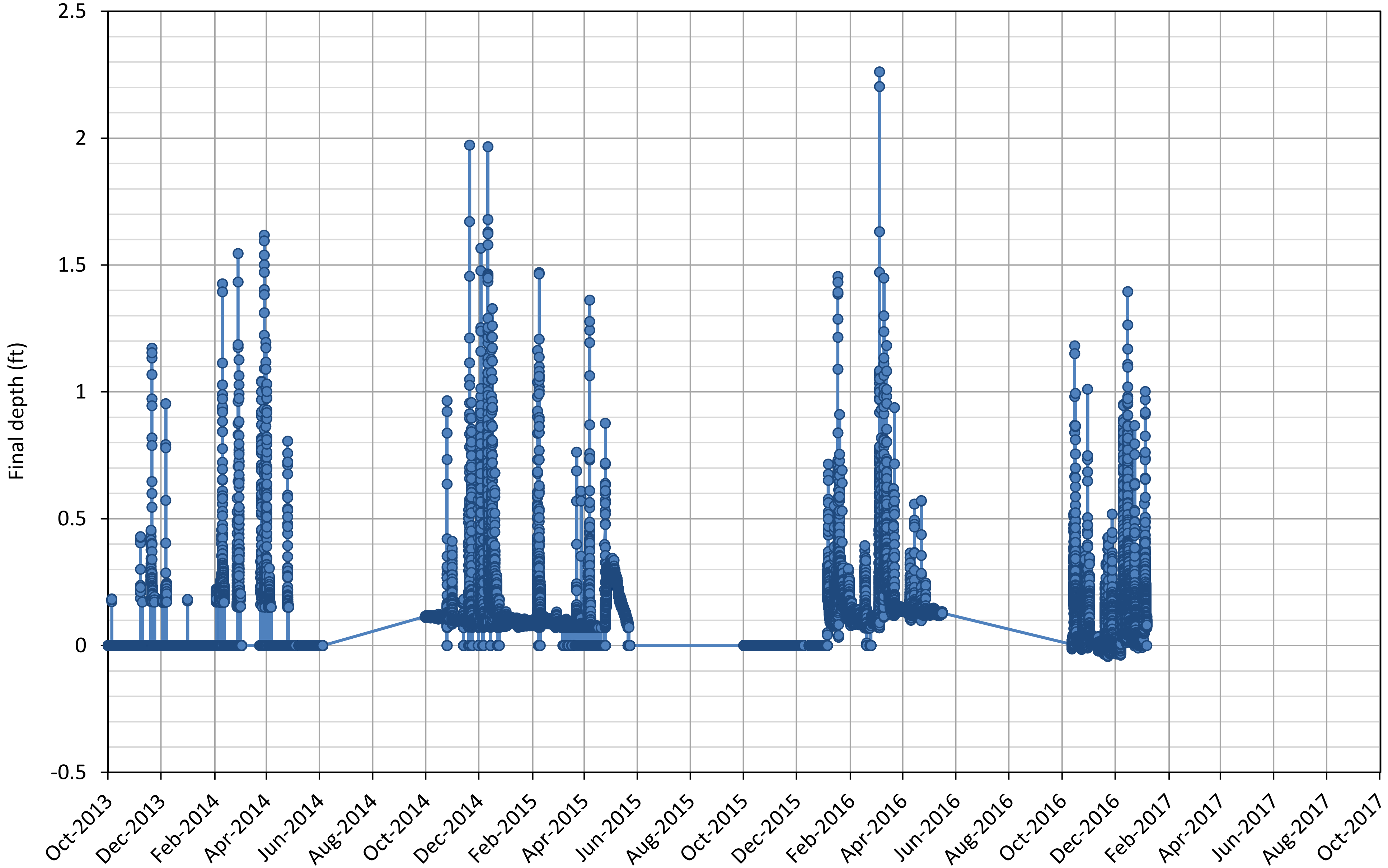
FC01 - Grand Avenue at Weldon Ave.



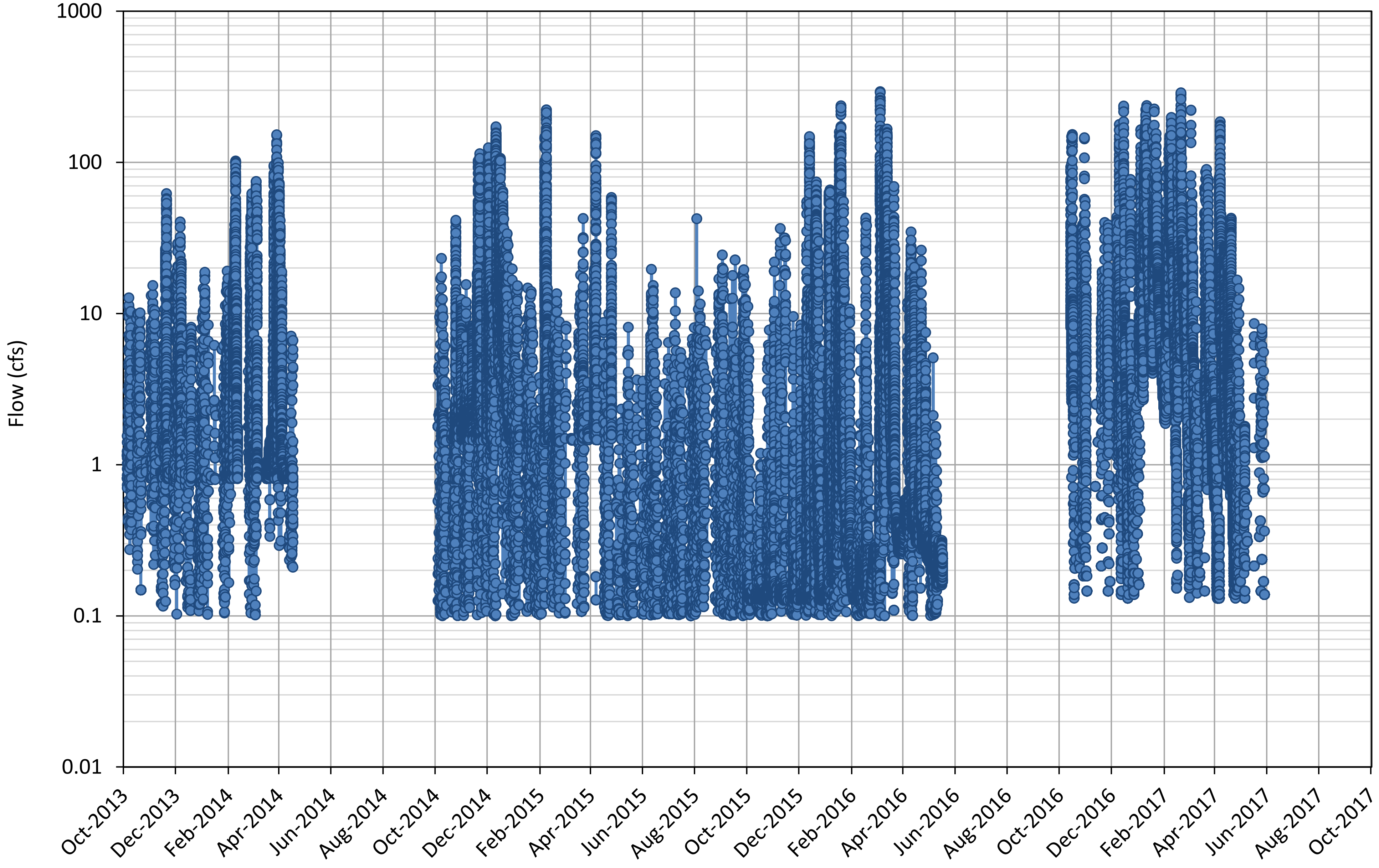
FE01/02 - Logan at culvert outfall downstream of Logan Street



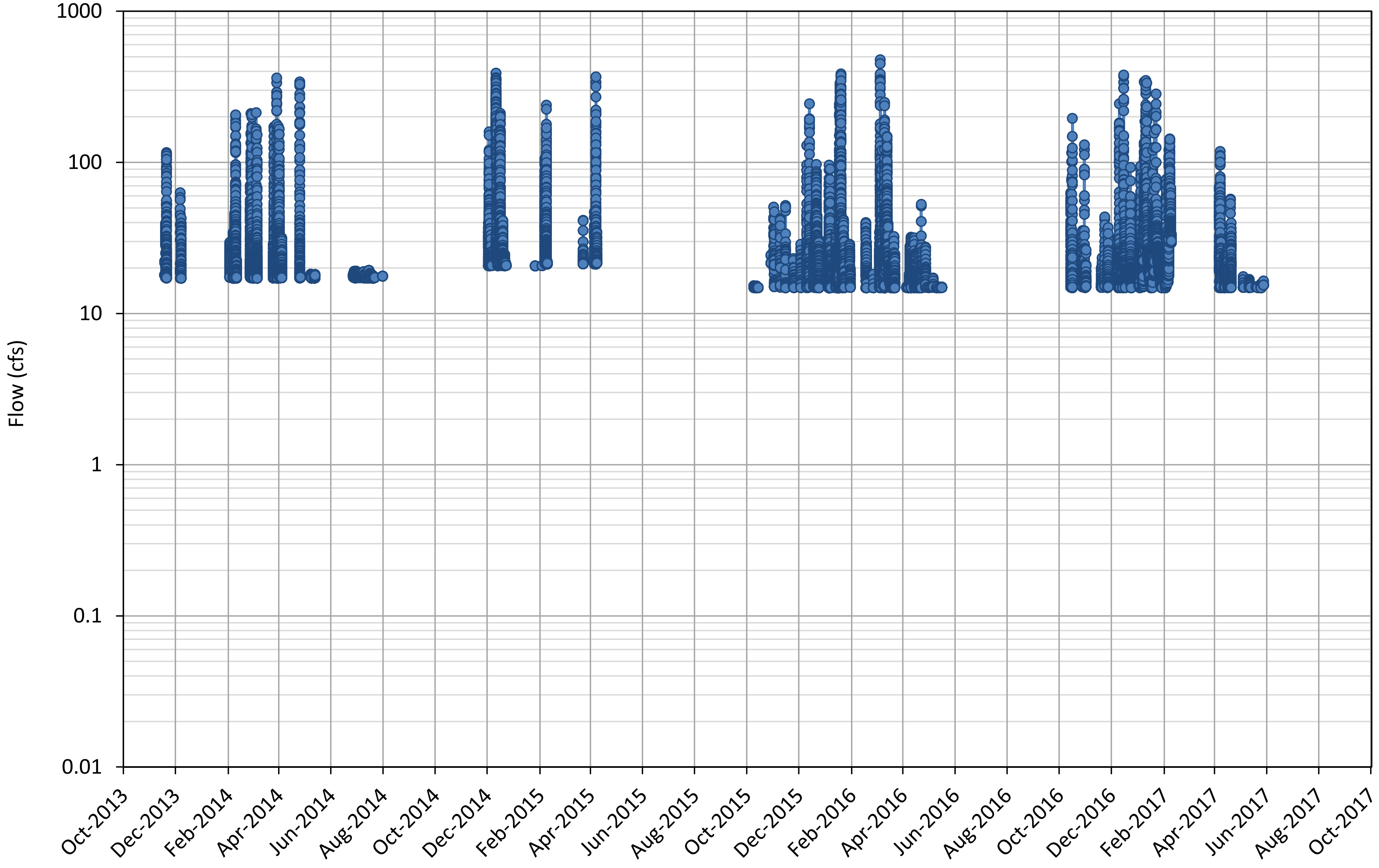
FJ01 - Altamont St. at Sunnymere



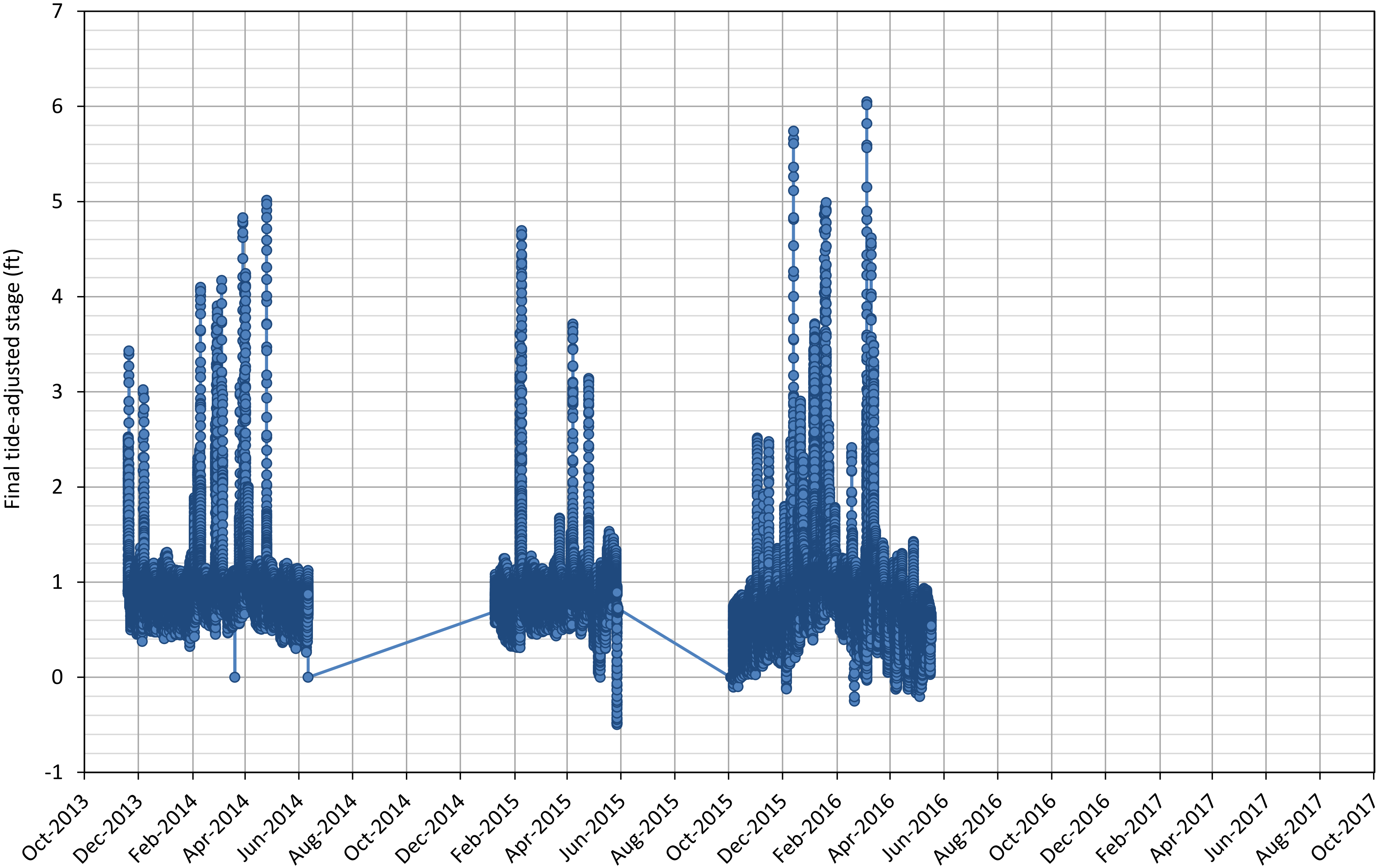
FJ02 - 66th at Acts Christian Academy parking lot crossing of Line J, downstream of Eastlawn St.

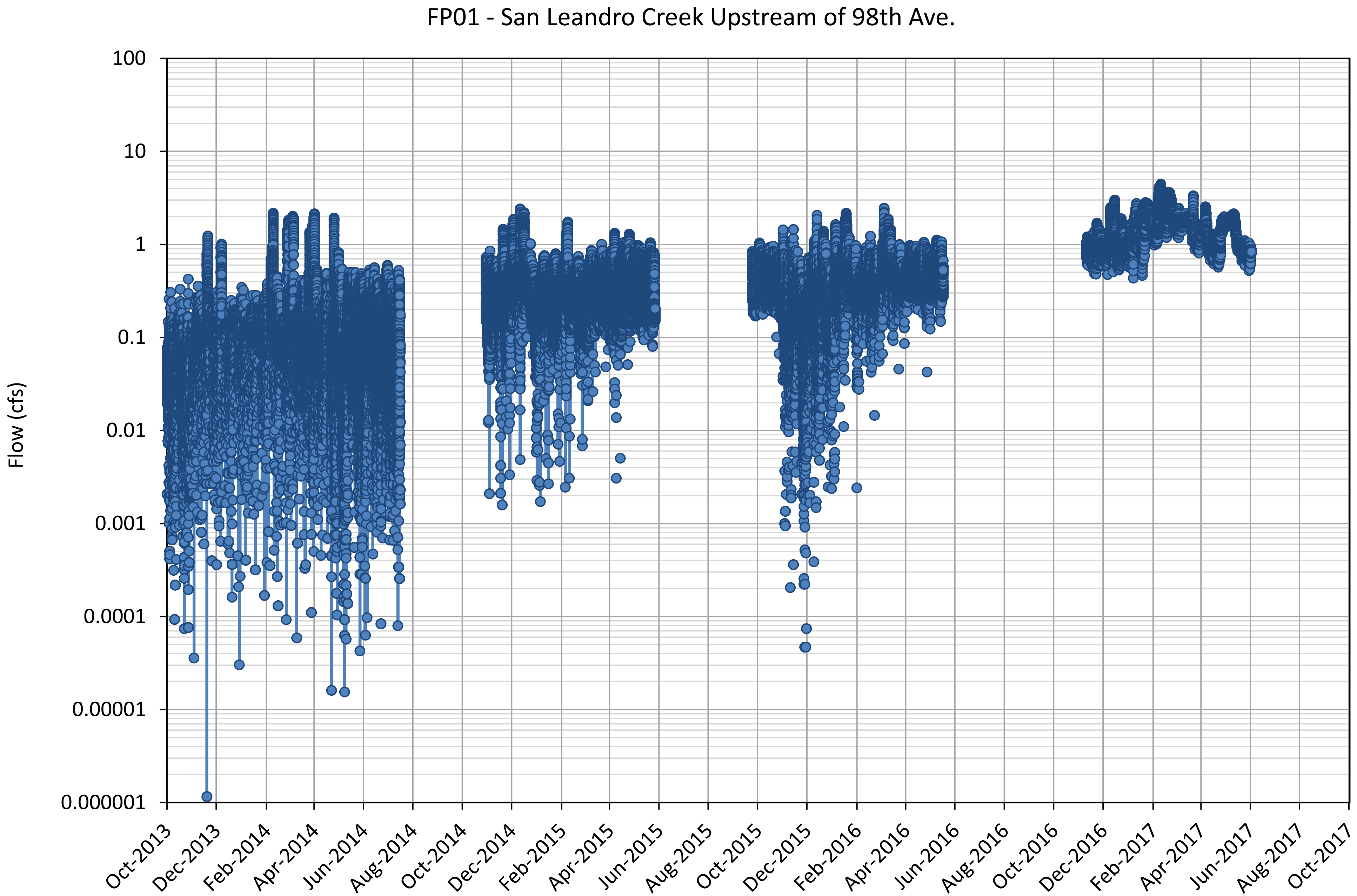


FK01 - Hegenberger St. at Rudsdale

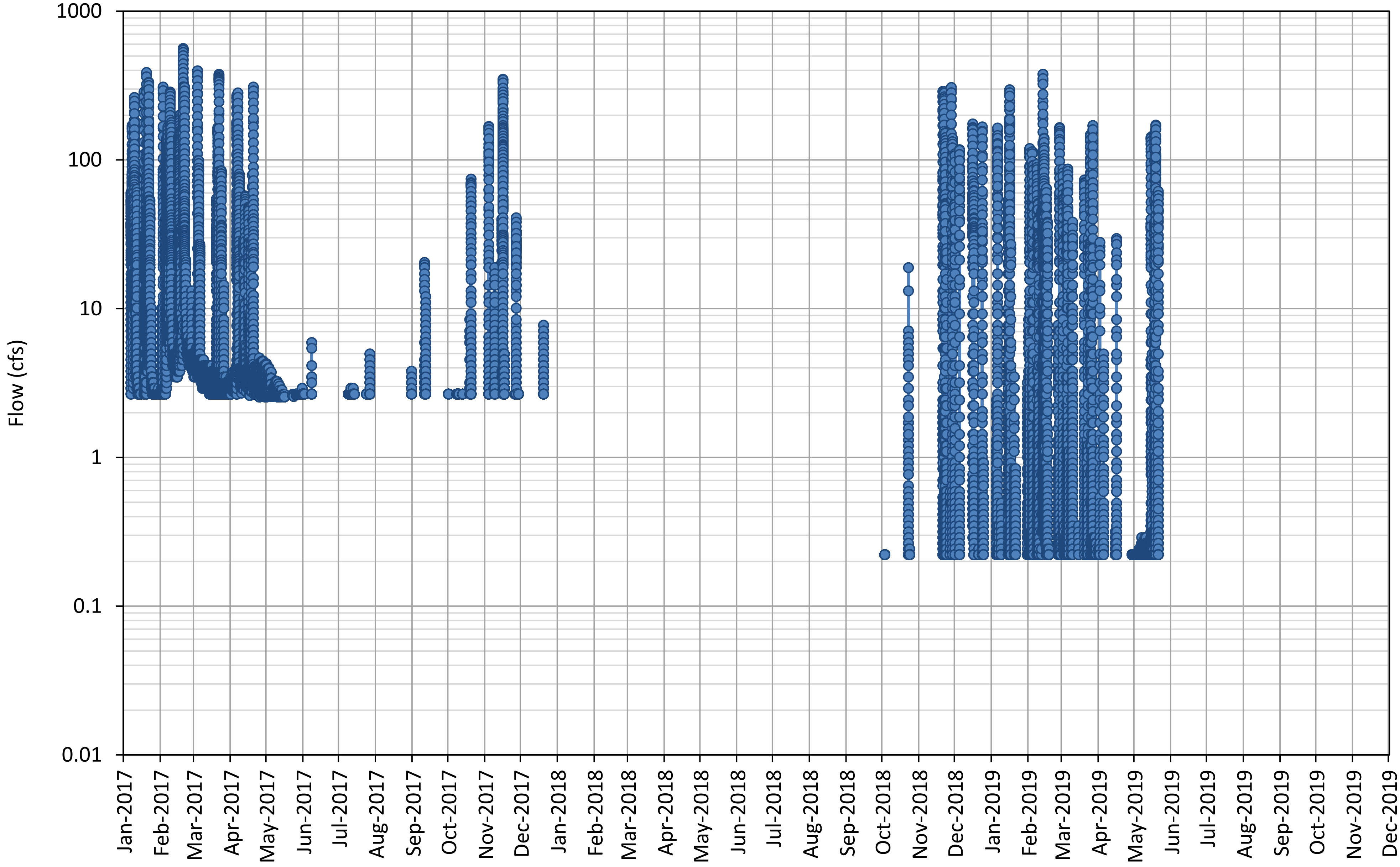


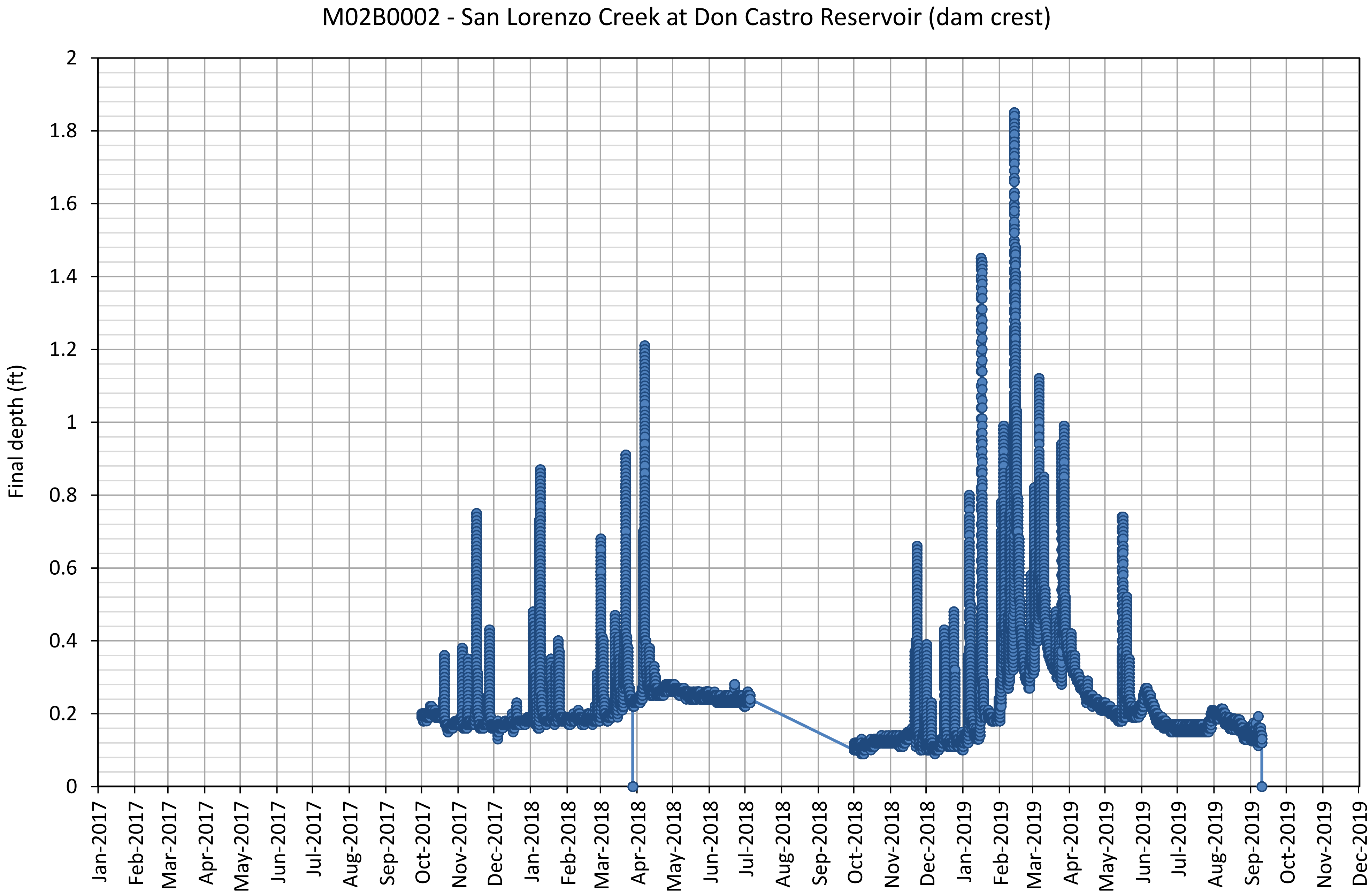
FM02 - Line M at San Leandro St.



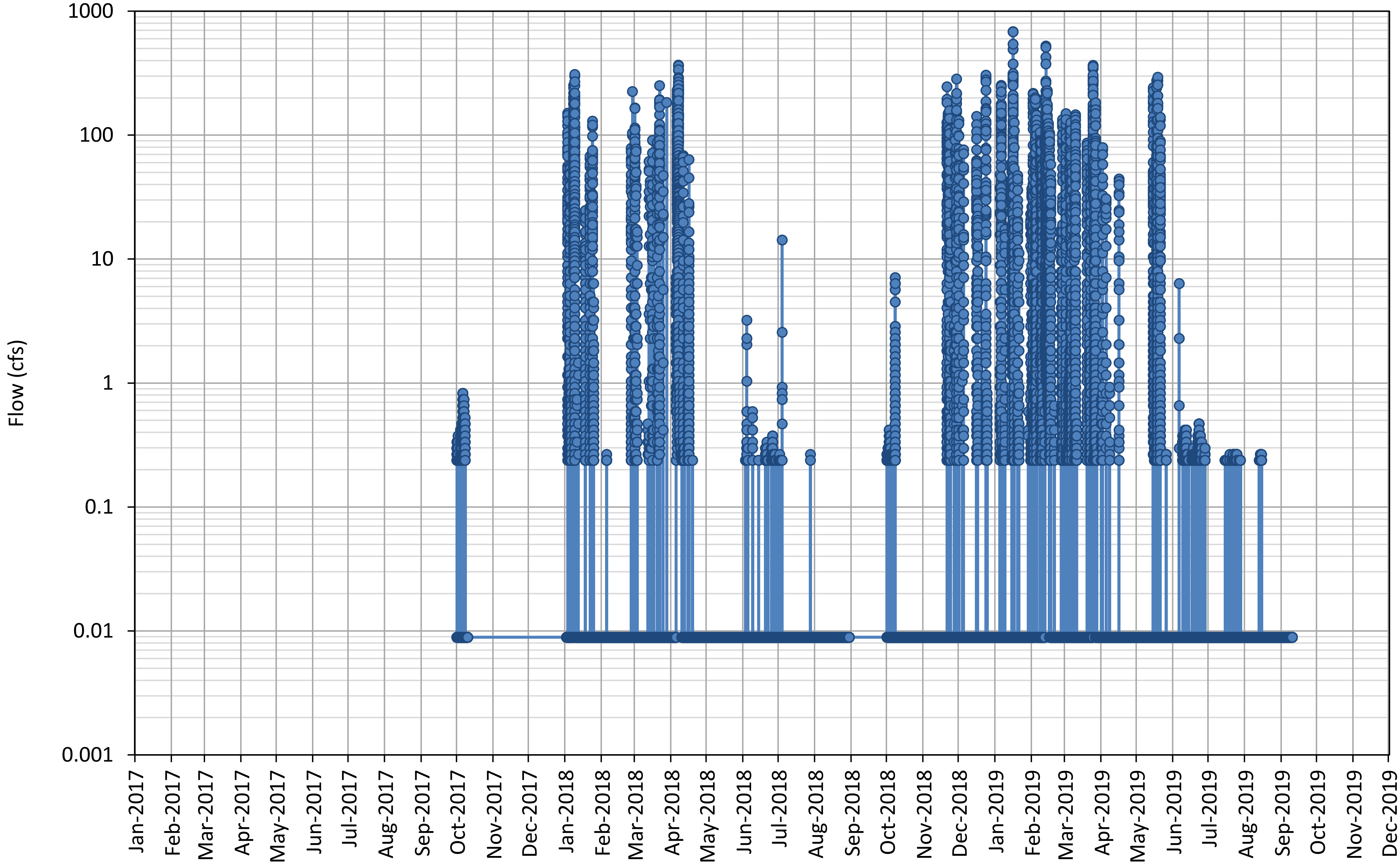

FP01 - San Leandro Creek Upstream of 98th Ave.
Flow (cfs)
100
10
1
0.1
0.01
0.001
0.0001
0.00001
0.000001
Oct-2013
Dec-2013
Feb-2014
Apr-2014
Jun-2014
Aug-2014
Oct-2014
Dec-2014
Feb-2015
Apr-2015
Jun-2015
Aug-2015
Oct-2015
Dec-2015
Feb-2016
Apr-2016
Jun-2016
Aug-2016
Oct-2016
Dec-2016
Feb-2017
Apr-2017
Jun-2017
Aug-2017
Oct-2017

M02A0001 - Estudillo Canal at Manor Bvld.

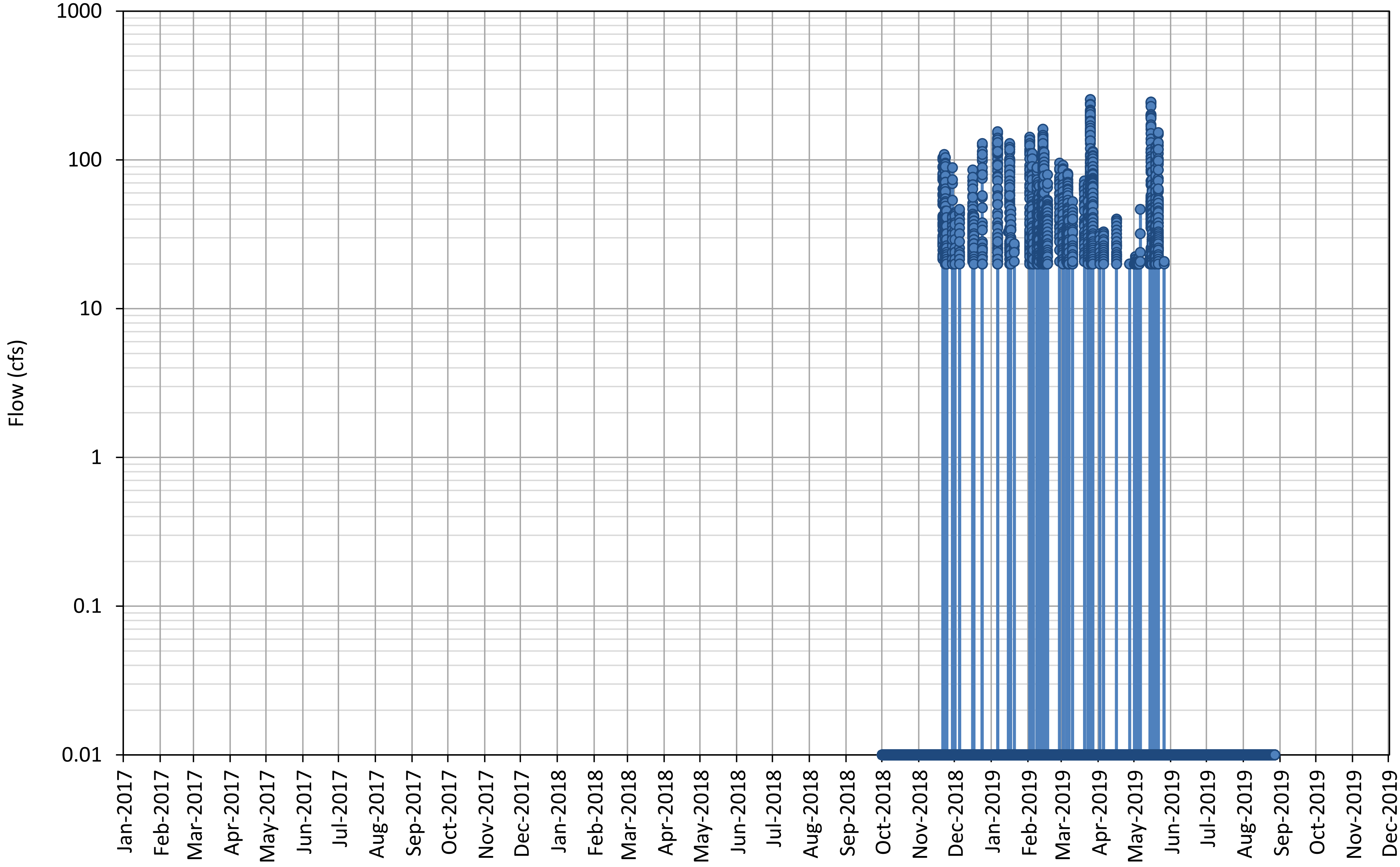


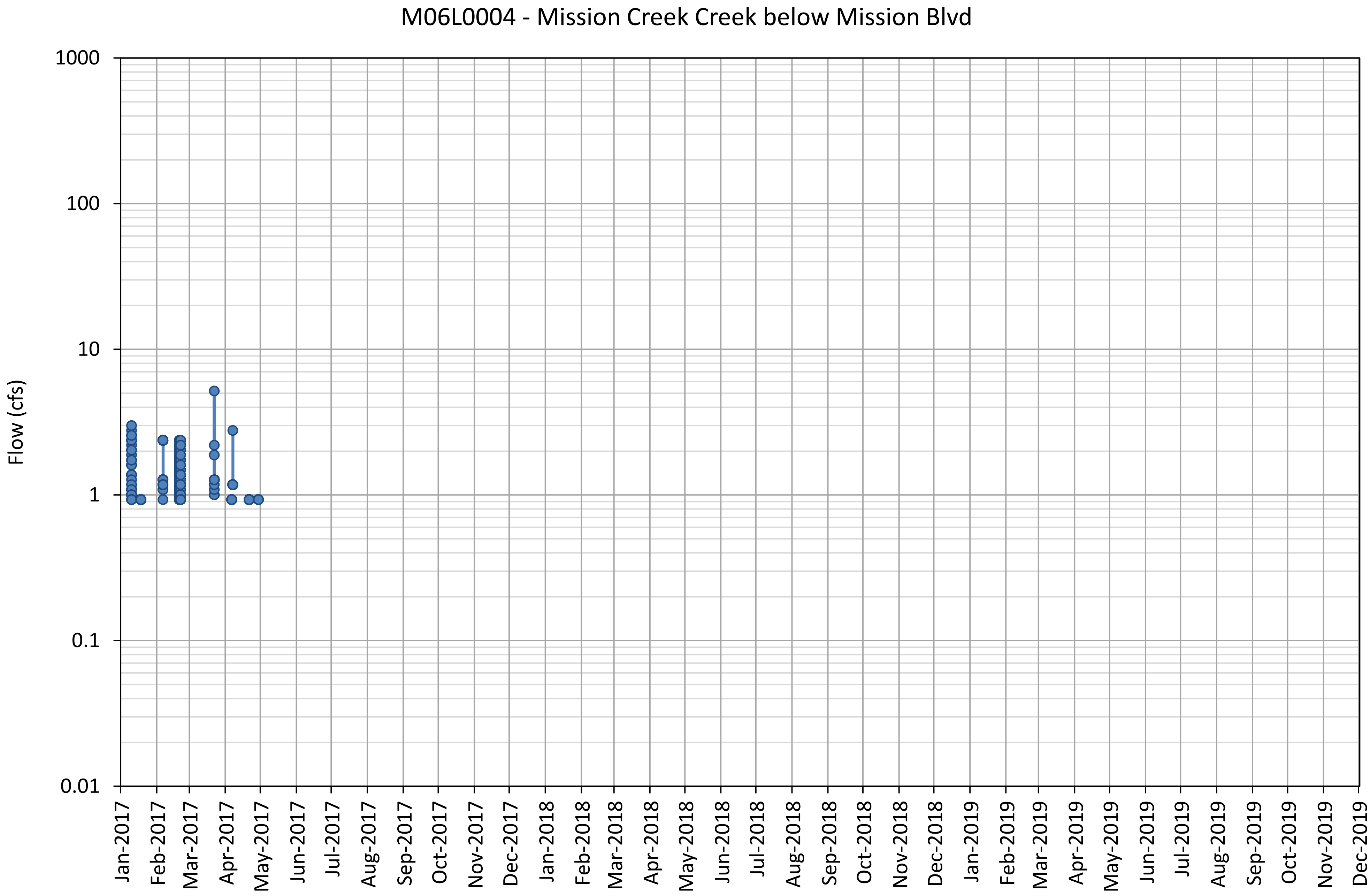

M02B0002 - San Lorenzo Creek at Don Castro Reservoir (dam crest)
Final depth (ft)
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
Jan-2017
Feb-2017
Mar-2017
Apr-2017
May-2017
Jun-2017
Jul-2017
Aug-2017
Sep-2017
Oct-2017
Nov-2017
Dec-2017
Jan-2018
Feb-2018
Mar-2018
Apr-2018
May-2018
Jun-2018
Jul-2018
Aug-2018
Sep-2018
Oct-2018
Nov-2018
Dec-2018
Jan-2019
Feb-2019
Mar-2019
Apr-2019
May-2019
Jun-2019
Jul-2019
Aug-2019
Sep-2019
Oct-2019
Nov-2019
Dec-2019

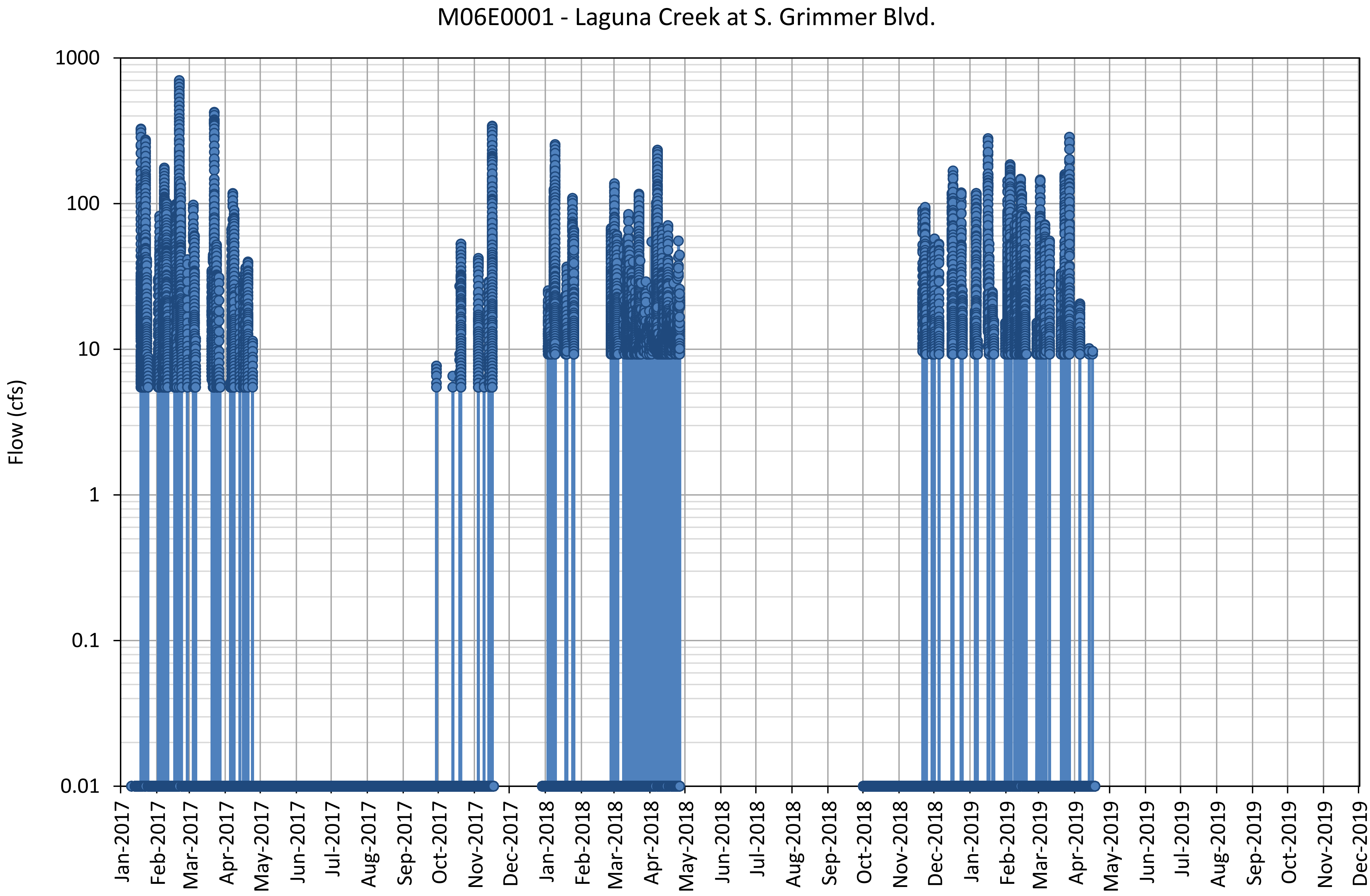
M02G0002 - Chabot Creek at Norbridge



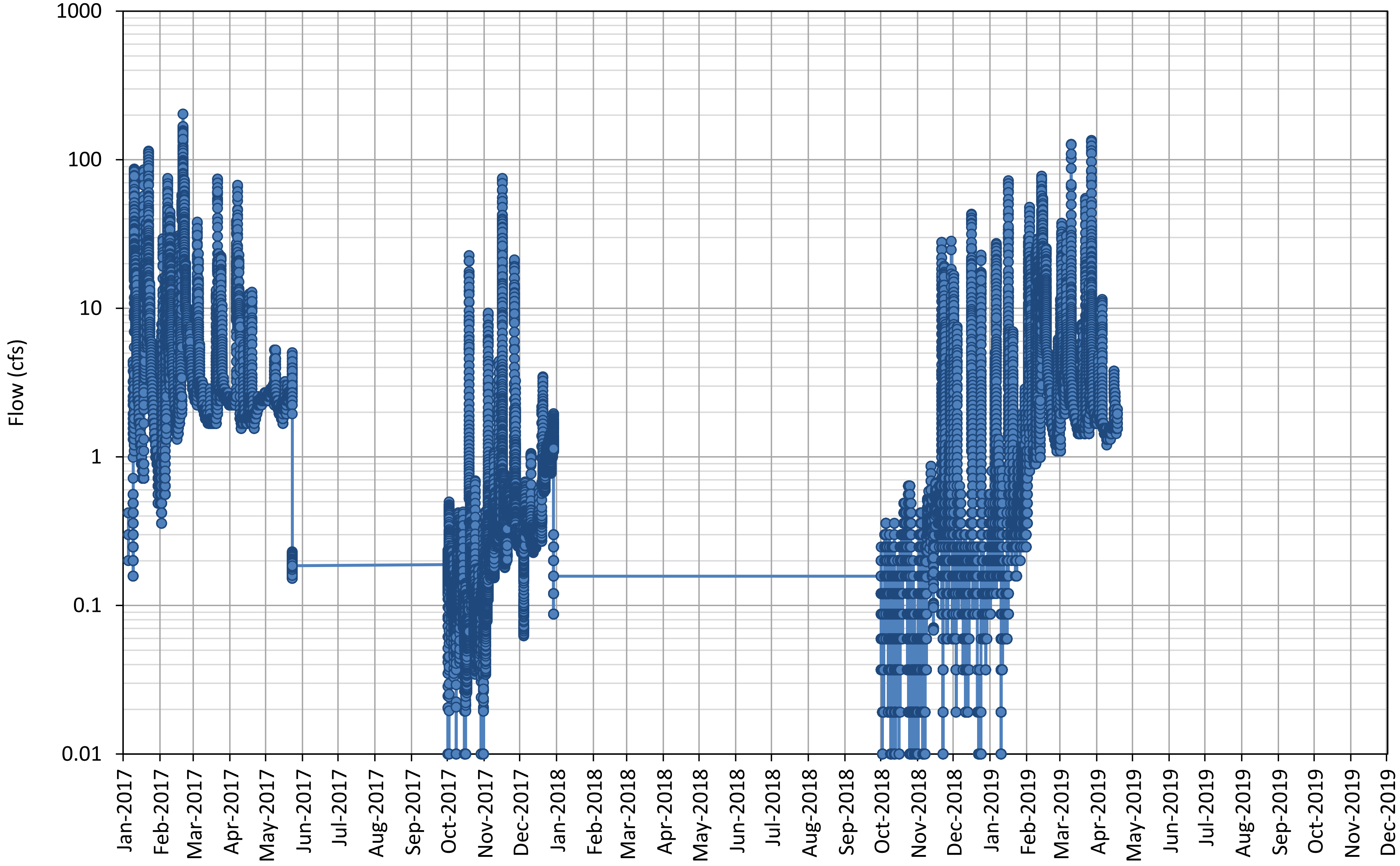
M03B0001 - Ward Creek at Folsom and Thackery



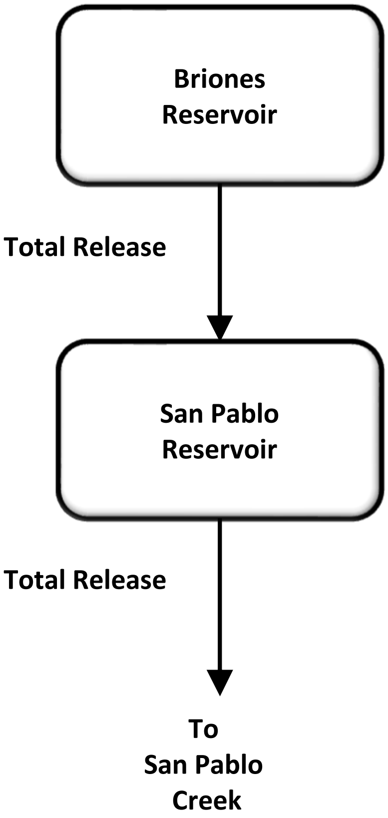
M06L0004 - Mission Creek Creek below Mission Blvd
Flow (cfs)
1000
100
10
1
0.1
0.01
Jan-2017
Feb-2017
Mar-2017
Apr-2017
May-2017
Jun-2017
Jul-2017
Aug-2017
Sep-2017
Oct-2017
Nov-2017
Dec-2017
Jan-2018
Feb-2018
Mar-2018
Apr-2018
May-2018
Jun-2018
Jul-2018
Aug-2018
Sep-2018
Oct-2018
Nov-2018
Dec-2018
Jan-2019
Feb-2019
Mar-2019
Apr-2019
May-2019
Jun-2019
Jul-2019
Aug-2019
Sep-2019
Oct-2019
Nov-2019
Dec-2019

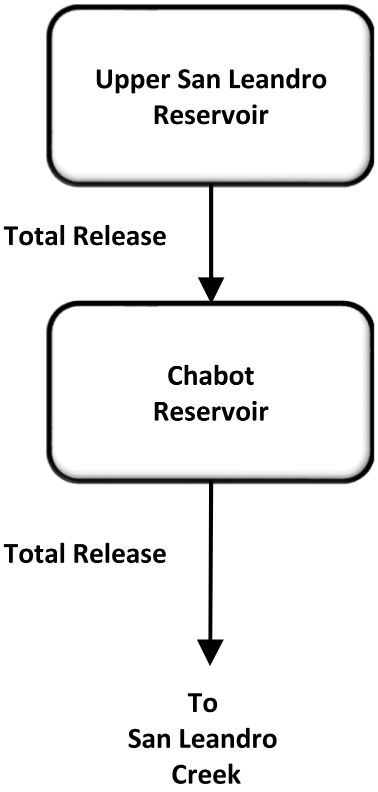

M06E0001 - Laguna Creek at S. Grimmer Blvd.
Flow (cfs)
1000
100
10
1
0.1
0.01
Jan-2017
Feb-2017
Mar-2017
Apr-2017
May-2017
Jun-2017
Jul-2017
Aug-2017
Sep-2017
Oct-2017
Nov-2017
Dec-2017
Jan-2018
Feb-2018
Mar-2018
Apr-2018
May-2018
Jun-2018
Jul-2018
Aug-2018
Sep-2018
Oct-2018
Nov-2018
Dec-2018
Jan-2019
Feb-2019
Mar-2019
Apr-2019
May-2019
Jun-2019
Jul-2019
Aug-2019
Sep-2019
Oct-2019
Nov-2019
Dec-2019

M06L0003 - Mission Creek Creek below Driscoll Road



Total Release = Release + Spill





		Station	Values						
Year	Month	Briones Reservoir Total Release_AF	Briones Reservoir Elevation_Ft	Chabot Reservoir Total Release_AF	Chabot Reservoir Elevation_Ft	San Pablo Reservoir Total Release_AF	San Pablo Reservoir Elevation_Ft	USL Reservoir Total Release_AF	USL Reservoir Elevation_Ft
1992	Jun	0	565	0	219	0	301	0	445
1992	Jul	0	565	0	219	0	301	0	444
1992	Aug	0	564	0	218	0	298	0	440
1992	Sep	0	564	0	218	0	295	0	437
1992	Oct	0	563	0	217	0	293	0	434
1992	Nov	0	563	0	217	0	294	0	432
1992	Dec	0	563	0	218	0	297	0	435
1993	Jan	0	247	2,255	97	4,769	133	2,485	195
1993	Feb	0	331	1,247	131	0	178	186	264
1993	Mar	0	360	691	142	0	193	710	288
1993	Apr	0	569	0	226	0	307	0	456
1993	May	0	569	0	225	0	307	0	455
1993	Jun	0	568	0	225	0	307	0	453
1993	Jul	0	189	0	75	0	101	0	150
1993	Aug	0	189	0	74	0	100	0	148
1993	Sep	0	189	0	74	0	99	0	147
1993	Oct	0	189	0	74	0	99	0	147
1993	Nov	0	189	0	74	0	98	0	146
1993	Dec	0	189	0	74	0	99	0	147
1994	Jan	0	189	0	74	0	99	0	147
1994	Feb	0	189	0	74	0	101	0	147
1994	Mar	0	189	0	74	0	102	0	149
1994	Apr	0	189	0	74	0	103	0	149
1994	May	0	188	0	74	0	103	0	149
1994	Jun	0	188	0	74	0	103	0	148
1994	Jul	0	188	0	74	0	101	0	147
1994	Aug	0	187	0	74	0	100	0	146
1994	Sep	0	186	0	73	0	99	0	145
1994	Oct	0	186	0	73	0	99	0	144
1994	Nov	0	187	0	73	0	100	0	144
1994	Dec	0	188	0	74	0	100	0	144
1995	Jan	0	190	48	74	3,735	102	0	147
1995	Feb	0	190	940	75	3,350	103	0	150
1995	Mar	0	191	3,699	75	7,144	104	2,392	152
1995	Apr	0	192	1,287	75	0	103	950	152
1995	May	0	192	0	75	0	104	0	152
1995	Jun	0	192	0	75	0	103	0	151
1995	Jul	0	191	0	75	0	102	0	150
1995	Aug	0	191	0	75	0	101	0	148
1995	Sep	0	191	0	75	0	100	0	147
1995	Oct	0	190	0	75	0	99	0	145
1995	Nov	0	190	0	75	0	99	0	145
1995	Dec	0	190	0	75	0	99	0	145
1996	Jan	0	191	286	75	0	101	0	146
1996	Feb	0	191	2,150	75	2,928	103	0	150
1996	Mar	718	192	2,283	75	3,475	103	837	152
1996	Apr	0	192	0	75	0	103	0	152
1996	May	0	192	0	75	0	103	0	152
1996	Jun	0	192	0	75	0	102	0	151
1996	Jul	0	192	0	75	0	101	0	150
1996	Aug	0	191	0	75	0	99	0	149
1996	Sep	0	191	0	75	0	98	0	148
1996	Oct	0	191	0	75	0	97	0	147

1996	Nov	0	190	2,642	75	0	97	2,533	146
1996	Dec	0	191	2,216	75	0	99	1,275	148
1997	Jan	0	190	10,358	76	6,952	102	8,783	152
1997	Feb	0	186	5,113	75	1,573	102	3,566	151
1997	Mar	0	183	0	75	0	102	0	151
1997	Apr	0	182	0	75	0	101	0	150
1997	May	0	184	0	75	0	100	0	150
1997	Jun	0	186	0	74	0	100	0	151
1997	Jul	0	188	0	74	0	99	0	151
1997	Aug	0	190	0	74	0	99	0	151
1997	Sep	0	191	0	74	0	99	0	151
1997	Oct	0	191	0	74	0	99	0	149
1997	Nov	0	190	613	74	0	99	799	149
1997	Dec	0	191	83	74	0	100	97	149
1998	Jan	0	191	5,974	75	4,056	102	5,123	151
1998	Feb	3,648	192	22,631	76	13,831	105	15,552	154
1998	Mar	704	192	7,531	76	6,167	103	5,121	152
1998	Apr	311	192	789	75	115	104	0	152
1998	May	0	192	0	75	0	104	0	152
1998	Jun	0	192	0	75	0	104	0	152
1998	Jul	0	191	0	75	0	103	0	151
1998	Aug	0	191	0	75	0	102	0	150
1998	Sep	0	191	0	74	0	101	0	150
1998	Oct	0	191	0	74	0	101	0	149
1998	Nov	0	190	325	74	0	100	0	148
1998	Dec	0	189	167	74	0	100	0	148
1999	Jan	0	189	0	74	0	100	0	148
1999	Feb	0	189	4,923	75	0	102	3,745	151
1999	Mar	0	189	3,247	75	0	103	3,059	152
1999	Apr	0	190	0	76	0	104	0	152
1999	May	0	190	0	76	0	103	0	152
1999	Jun	0	189	0	75	0	103	0	151
1999	Jul	0	188	0	75	0	102	0	151
1999	Aug	0	188	0	75	0	100	0	150
1999	Sep	0	188	0	75	0	99	0	149
1999	Oct	0	188	938	74	0	98	0	148
1999	Nov	0	188	117	73	0	98	0	148
1999	Dec	0	188	0	73	0	97	0	147
2000	Jan	0	188	0	74	0	97	0	147
2000	Feb	0	189	4,046	75	0	100	3,076	151
2000	Mar	0	189	5,135	75	0	103	4,385	152
2000	Apr	0	189	0	75	0	103	0	152
2000	May	0	190	0	75	0	103	0	151
2000	Jun	0	191	0	75	0	102	0	151
2000	Jul	0	191	0	75	0	101	0	150
2000	Aug	0	191	0	75	0	100	0	149
2000	Sep	0	191	0	74	0	99	0	148
2000	Oct	0	191	655	74	0	98	0	147
2000	Nov	0	190	0	74	0	98	0	147
2000	Dec	0	190	0	74	0	98	0	147
2001	Jan	0	190	0	74	0	99	0	147
2001	Feb	0	191	0	74	0	101	0	148
2001	Mar	0	191	0	74	0	103	0	150
2001	Apr	0	191	0	74	0	102	0	151
2001	May	0	191	0	74	0	102	0	151
2001	Jun	0	192	0	74	0	101	0	150
2001	Jul	0	191	0	74	0	100	0	149
2001	Aug	0	191	0	73	0	100	0	147

2001	Sep	0	191	0	73	0	99	0	146
2001	Oct	0	191	0	73	0	99	0	145
2001	Nov	0	191	0	73	0	99	0	145
2001	Dec	0	191	0	73	0	100	0	147
2002	Jan	0	191	0	74	694	101	0	149
2002	Feb	0	191	0	74	0	102	0	148
2002	Mar	0	191	0	75	0	103	0	149
2002	Apr	0	191	0	75	0	103	0	151
2002	May	0	191	0	75	0	103	0	151
2002	Jun	0	191	0	75	0	102	0	150
2002	Jul	0	190	0	74	0	101	0	149
2002	Aug	0	190	0	74	0	100	0	148
2002	Sep	0	189	0	74	0	100	0	147
2002	Oct	0	188	0	74	0	99	0	145
2002	Nov	0	188	0	74	0	98	0	145
2002	Dec	0	190	664	74	0	99	0	147
2003	Jan	0	191	377	74	0	101	0	150
2003	Feb	0	190	0	74	0	101	0	150
2003	Mar	0	191	0	74	0	102	0	150
2003	Apr	0	191	0	74	0	103	0	151
2003	May	0	192	0	75	0	104	0	152
2003	Jun	0	191	0	74	0	103	0	151
2003	Jul	0	190	0	74	0	102	0	150
2003	Aug	0	190	0	74	0	102	0	148
2003	Sep	0	189	0	74	0	101	0	147
2003	Oct	0	188	0	74	0	100	0	146
2003	Nov	0	188	0	74	0	100	0	145
2003	Dec	0	190	0	74	0	100	0	145
2004	Jan	0	191	0	74	0	101	0	147
2004	Feb	0	191	0	74	702	103	0	149
2004	Mar	0	191	0	75	1,666	104	0	152
2004	Apr	0	191	0	75	0	103	0	152
2004	May	0	191	0	75	0	102	0	151
2004	Jun	0	191	0	75	0	101	0	150
2004	Jul	0	190	0	75	0	100	0	148
2004	Aug	0	190	0	74	0	99	0	147
2004	Sep	0	189	0	74	0	98	0	145
2004	Oct	0	189	0	74	0	97	0	143
2004	Nov	0	189	0	74	0	97	0	145
2004	Dec	0	190	0	74	0	96	0	147
2005	Jan	0	191	881	74	311	97	0	150
2005	Feb	0	191	0	74	0	97	0	149
2005	Mar	0	191	986	75	1,214	98	0	151
2005	Apr	0	192	639	75	2,281	98	0	153
2005	May	0	192	1,020	75	1,198	98	649	153
2005	Jun	0	191	0	75	0	97	0	152
2005	Jul	0	190	0	75	0	96	0	151
2005	Aug	0	190	0	75	0	95	0	150
2005	Sep	0	189	0	74	0	95	0	149
2005	Oct	0	188	0	74	0	94	0	148
2005	Nov	0	187	417	74	0	95	0	148
2005	Dec	0	188	1,829	74	1,932	97	1,690	149
2006	Jan	0	189	9,429	76	8,579	99	6,541	151
2006	Feb	0	189	2,846	75	422	98	1,426	151
2006	Mar	46	191	5,699	75	6,839	100	4,980	152
2006	Apr	1,726	192	10,568	76	8,378	99	7,958	153
2006	May	0	192	409	75	516	98	151	153
2006	Jun	0	191	0	75	0	97	0	153

2006	Jul	0	189	0	75	0	96	0	152
2006	Aug	0	189	0	75	0	95	0	151
2006	Sep	0	187	0	75	0	95	0	150
2006	Oct	0	185	327	74	0	95	0	149
2006	Nov	0	186	226	74	0	96	0	148
2006	Dec	0	188	0	74	0	97	0	147
2007	Jan	0	189	0	74	0	96	0	146
2007	Feb	0	191	0	74	0	96	0	146
2007	Mar	0	191	0	74	0	97	0	148
2007	Apr	0	191	0	74	0	97	0	149
2007	May	0	191	0	74	0	98	0	150
2007	Jun	0	190	0	74	0	97	0	149
2007	Jul	0	188	0	74	0	96	0	148
2007	Aug	0	188	0	74	0	96	0	147
2007	Sep	0	187	0	73	0	95	0	146
2007	Oct	0	187	0	73	0	95	0	145
2007	Nov	0	188	0	73	0	95	0	144
2007	Dec	0	189	0	73	0	94	0	144
2008	Jan	0	190	0	74	0	96	0	146
2008	Feb	0	189	0	74	0	98	0	148
2008	Mar	0	190	0	74	0	99	0	149
2008	Apr	0	190	0	74	0	98	0	149
2008	May	0	190	0	74	0	97	0	148
2008	Jun	0	190	0	74	0	97	0	148
2008	Jul	0	190	0	74	0	98	0	150
2008	Aug	0	188	0	74	0	97	0	149
2008	Sep	0	186	0	73	0	96	0	147
2008	Oct	0	186	0	73	0	95	0	147
2008	Nov	0	188	0	73	0	95	0	147
2008	Dec	0	189	0	73	0	95	0	147
2009	Jan	0	190	0	73	0	95	0	147
2009	Feb	0	190	0	73	0	97	0	148
2009	Mar	0	191	0	74	0	99	0	150
2009	Apr	0	192	0	74	0	99	0	151
2009	May	0	192	0	74	0	100	0	151
2009	Jun	0	191	0	74	0	100	0	150
2009	Jul	0	191	0	73	0	99	0	149
2009	Aug	0	190	0	73	0	99	0	148
2009	Sep	0	190	0	73	0	98	0	147
2009	Oct	0	188	0	73	0	97	0	147
2009	Nov	0	187	0	73	0	97	0	146
2009	Dec	0	188	0	73	0	97	0	146
2010	Jan	0	189	0	73	0	98	0	147
2010	Feb	0	190	0	74	99	100	0	149
2010	Mar	0	191	0	74	0	101	0	150
2010	Apr	0	192	0	75	0	103	0	151
2010	May	0	192	0	75	0	104	0	152
2010	Jun	0	191	0	75	0	104	0	152
2010	Jul	0	190	0	74	0	103	0	151
2010	Aug	0	190	0	74	0	102	0	151
2010	Sep	0	189	0	74	0	101	0	150
2010	Oct	0	189	0	74	0	100	0	150
2010	Nov	0	189	760	74	0	100	774	150
2010	Dec	0	190	3,126	74	2,218	101	2,263	150
2011	Jan	0	191	2,337	74	4,612	101	2,340	150
2011	Feb	0	190	0	75	1,424	102	0	150
2011	Mar	0	190	6,353	75	6,087	104	5,286	152
2011	Apr	0	192	3,614	75	3,519	103	3,092	152

2011	May	0	192	0	75	0	103	0	152
2011	Jun	0	191	0	75	0	104	0	153
2011	Jul	0	191	0	75	0	104	0	152
2011	Aug	0	190	0	74	0	103	0	151
2011	Sep	0	190	0	74	0	103	0	151
2011	Oct	0	189	0	74	0	102	0	150
2011	Nov	0	188	1,291	74	706	102	914	150
2011	Dec	0	188	2,773	74	1,537	102	2,114	149
2012	Jan	0	188	125	73	125	102	0	149
2012	Feb	0	189	0	73	0	103	0	149
2012	Mar	0	191	0	73	1,549	104	0	151
2012	Apr	0	192	0	74	1,676	104	688	153
2012	May	0	192	0	75	0	104	30	153
2012	Jun	0	191	1,408	74	0	103	0	152
2012	Jul	0	191	129	73	0	102	0	151
2012	Aug	0	190	0	72	0	101	0	150
2012	Sep	0	190	0	72	0	100	0	149
2012	Oct	0	189	0	72	0	98	0	149
2012	Nov	0	190	0	72	0	98	0	149
2012	Dec	0	191	2,997	74	0	99	4,044	150
2013	Jan	0	190	3,347	74	0	101	2,440	150
2013	Feb	0	189	0	74	0	101	0	150
2013	Mar	0	187	0	74	0	101	0	149
2013	Apr	0	188	0	74	0	101	0	149
2013	May	0	188	0	74	0	100	0	149
2013	Jun	0	187	0	74	0	99	0	149
2013	Jul	0	186	0	73	0	97	0	149
2013	Aug	0	184	0	73	0	96	0	149
2013	Sep	0	183	0	73	0	95	0	149
2013	Oct	0	182	0	73	0	94	0	149
2013	Nov	0	182	0	73	0	94	0	149
2013	Dec	0	183	0	73	0	95	0	149
2014	Jan	0	184	0	73	0	95	0	149
2014	Feb	0	186	0	73	0	97	0	149
2014	Mar	0	188	0	73	0	98	0	149
2014	Apr	0	190	0	73	0	101	0	149
2014	May	0	189	0	73	0	103	0	148
2014	Jun	0	186	0	73	0	104	0	149
2014	Jul	0	183	0	73	0	104	0	150
2014	Aug	0	182	0	72	0	102	0	149
2014	Sep	0	182	0	73	0	102	0	148
2014	Oct	0	182	0	72	0	100	0	148
2014	Nov	0	183	0	72	0	99	0	146
2014	Dec	0	186	0	72	0	99	0	147
2015	Jan	0	188	0	73	0	99	0	147
2015	Feb	0	190	0	73	0	99	0	146
2015	Mar	0	190	0	73	0	98	0	145
2015	Apr	0	191	0	73	0	97	0	145
2015	May	0	191	0	73	0	97	0	146
2015	Jun	0	191	0	72	0	97	0	148
2015	Jul	0	190	0	72	0	97	0	149
2015	Aug	0	189	0	72	0	95	0	150
2015	Sep	0	188	0	72	0	95	0	151
2015	Oct	0	188	0	72	0	97	0	149
2015	Nov	0	189	0	72	0	98	0	148
2015	Dec	0	191	0	72	0	99	0	148
2016	Jan	0	191	0	72	0	99	0	148
2016	Feb	0	191	0	73	0	100	0	149

2016	Mar	0	192	0	74	0	100	0	151
2016	Apr	0	191	0	74	0	101	0	152
2016	May	0	191	0	74	0	102	0	152
2016	Jun	0	190	0	74	0	102	0	152
2016	Jul	0	189	0	74	0	103	0	152
2016	Aug	0	188	0	74	0	103	0	152
2016	Sep	0	189	0	73	0	103	0	152
2016	Oct	0	191	0	73	0	104	0	152
2016	Nov	0	191	0	73	0	103	0	151
2016	Dec	0	191	0	74	0	103	0	150
2017	Jan	1,546	192	5,223	75	6,417	104	4,106	153
2017	Feb	0	192	17,787	76	7,121	105	12,495	154
2017	Mar	0	190	5,963	76	4,812	103	4,516	153
2017	Apr	0	190	2,343	76	555	103	1,931	151
2017	May	0	190	2,192	76	0	103	1,579	149
2017	Jun	0	190	0	76	0	103	0	148
2017	Jul	10	190	0	75	8	103	0	147
2017	Aug	0	188	0	75	0	103	0	146
2017	Sep	0	186	0	75	0	103	0	147
2017	Oct	0	186	125	75	0	103	0	147
2017	Nov	0	186	298	75	968	103	139	147
2017	Dec	0	187	182	75	317	103	0	147
2018	Jan	0	189	0	75	0	103	0	148
2018	Feb	0	189	0	75	0	102	0	148
2018	Mar	0	190	0	75	0	103	0	149
2018	Apr	0	191	0	75	0	104	0	150
2018	May	0	190	0	75	0	104	0	150
2018	Jun	0	190	0	75	0	103	0	150
2018	Jul	0	189	0	75	0	102	0	150
2018	Aug	0	188	0	75	0	101	0	150
2018	Sep	0	187	0	75	0	100	0	150
2018	Oct	0	186	0	74	0	100	0	149
2018	Nov	0	185	0	74	0	100	0	148
2018	Dec	0	185	0	74	0	100	0	147
2019	Jan	0	185	0	75	0	101	0	147
2019	Feb	0	185	1,277	75	1,679	103	453	150
2019	Mar	0	187	4,443	75	3,477	104	3,704	152
2019	Apr	0	190	982	75	22	104	740	152
2019	May	0	190	6	75	0	103	0	152
2019	Jun	0	190	0	75	0	103	0	153
2019	Jul	0	190	0	75	0	102	0	153
2019	Aug	0	190	0	74	0	101	0	152
2019	Sep	0	189	263	74	0	100	301	152
2019	Oct	0	187	781	74	0	99	1,230	152
2019	Nov	0	187	267	74	0	99	532	151
2019	Dec	0	189	0	74	8	100	0	151
2020	Jan	0	190	0	75	0	101	0	150
2020	Feb	0	190	0	75	0	101	0	150
2020	Mar	0	190	0	75	0	101	0	150
2020	Apr	0	190	0	75	0	102	0	151
2020	May	0	190	0	74	0	102	0	151
2020	Jun	0	189	0	74	0	101	0	151
2020	Jul	0	192	0	75	0	102	0	153

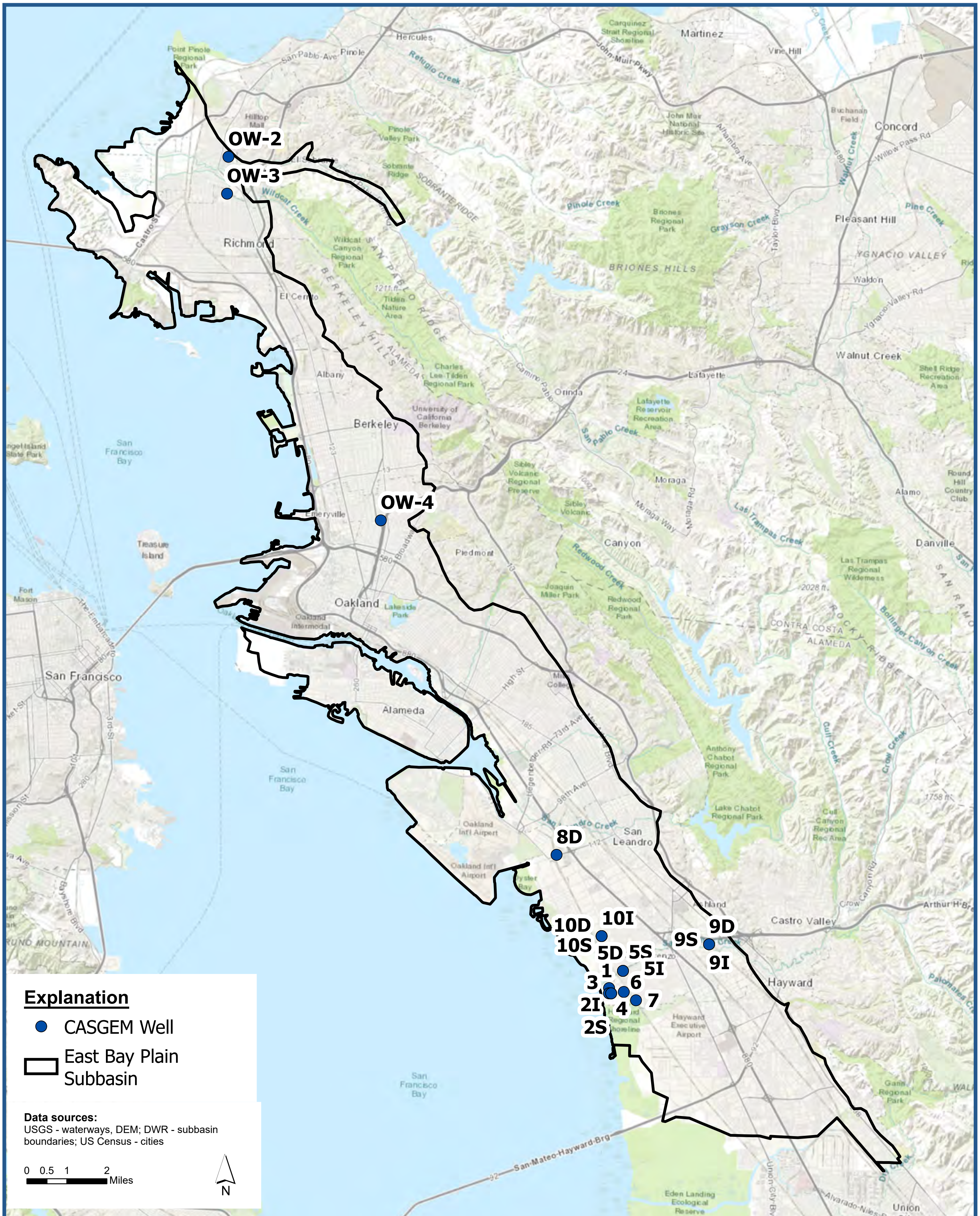
APPENDIX 2. PLAN AREA AND BASIN SETTING

2.A. Technical Memoranda and Data

2.A.d. Existing Groundwater Monitoring Network Information

Table 1. Summary of EBP Subbasin CASGEM Wells

Well Name	SWN	Well Depth	Top of Screen	Bottom of Screen	Aquifer Zone	Date of First Measurement	Date of Last Measurement	Measurement Count
OW-2	1N/4W-6B	400	135	395	Shallow/Intermediate	12/9/2015	11/6/2020	11
OW-3	1N/4W-7B	240	120	230	Shallow/Intermediate	12/9/2015	11/6/2020	11
OW-4	1S/4W-23B	125	28	120	Shallow	12/9/2015	11/6/2020	11
1	3S/3W-14K8	650	520	640	Deep	1/28/2016	1/19/2021	19
2S	3S/3W-14K11	60	40	60	Shallow	4/1/2011	1/19/2021	30
2I	3S/3W-14K10	200	160	190	Intermediate	4/1/2011	1/19/2021	31
3	3S/3W-14K7	660	520	650	Deep	4/1/2011	1/19/2021	32
4	3S/3W-14K12	650	520	650	Deep	4/1/2011	1/19/2021	31
5S	3S/3W-13D9	210	200	210	Intermediate	4/1/2011	1/19/2021	33
5I	3S/3W-13D8	325	315	325	Intermediate	4/1/2011	1/19/2021	33
5D	3S/3W-13	640	500	630	Deep	5/22/2014	1/19/2021	27
6	3S/3W-13	655	480	650	Deep	10/1/2011	1/19/2021	29
7	3S/3W-24	640	510	630	Deep	4/11/2016	1/19/2021	18
8D	2S/3W-34F1	490	420	480	Deep	4/1/2012	1/19/2021	28
9S	3S/2W-8E3	120	110	120	Shallow	5/22/2014	1/19/2021	27
9I	3S/2W-8E2	210	200	210	Intermediate	5/22/2014	1/19/2021	27
9D	3S/2W-8E1	335	325	335	Intermediate	4/1/2011	1/19/2021	31
10S	3S/3W-11F3	120	100	120	Shallow	4/1/2012	1/19/2021	28
10I	3S/3W-11F2	360	340	360	Intermediate	4/1/2011	1/19/2021	28
10D	3S/3W-11F1	610	590	610	Deep	10/1/2011	1/19/2021	31



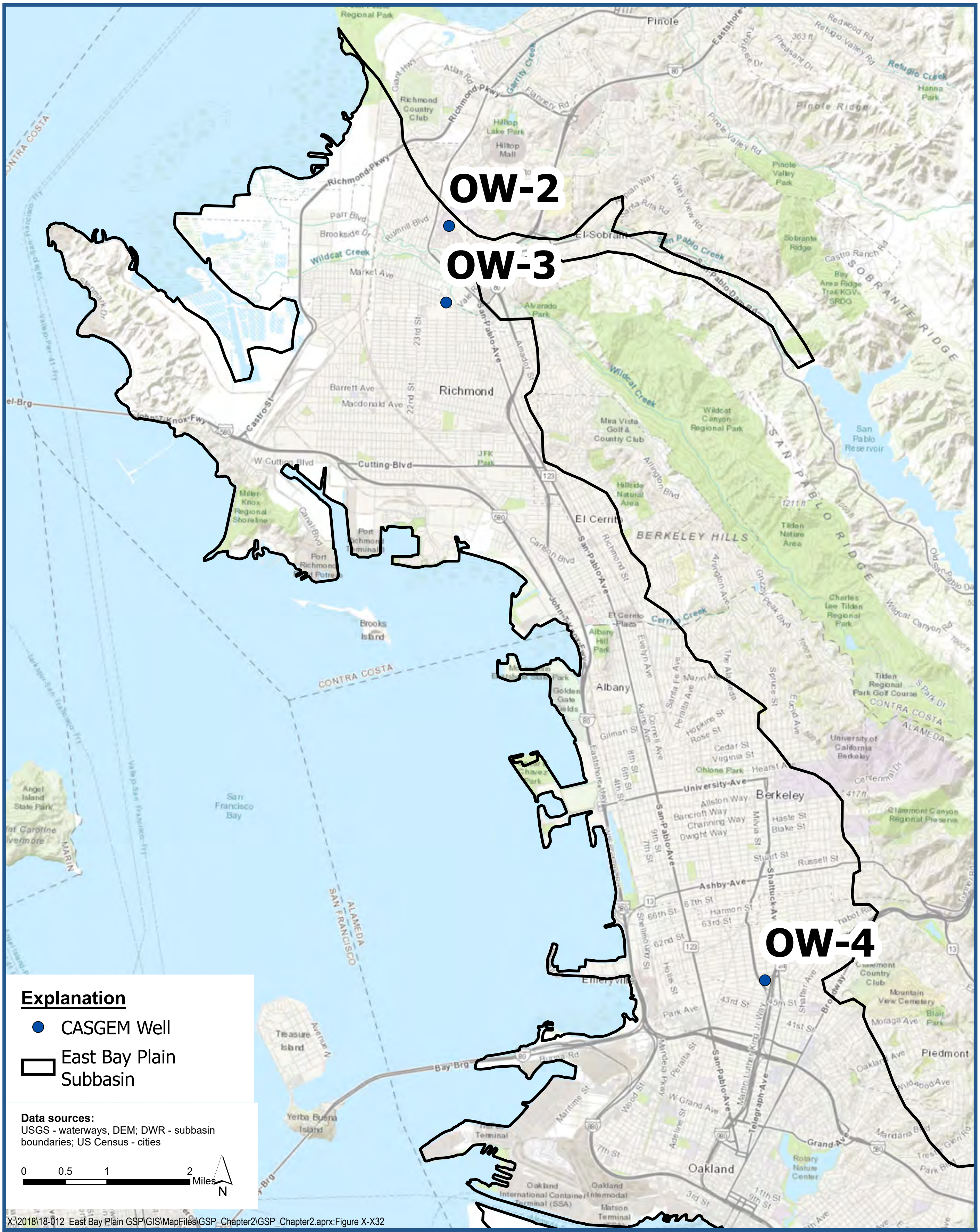
X:\2018\18-012_East Bay Plain GSP\GIS\MapFiles\GSP_Chapter2\GSP_Chapter2.aprx:Figure X-X3

LSCE TEAM

Location Map for EBP Subbasin CASGEM Wells

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 2Ad-1



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

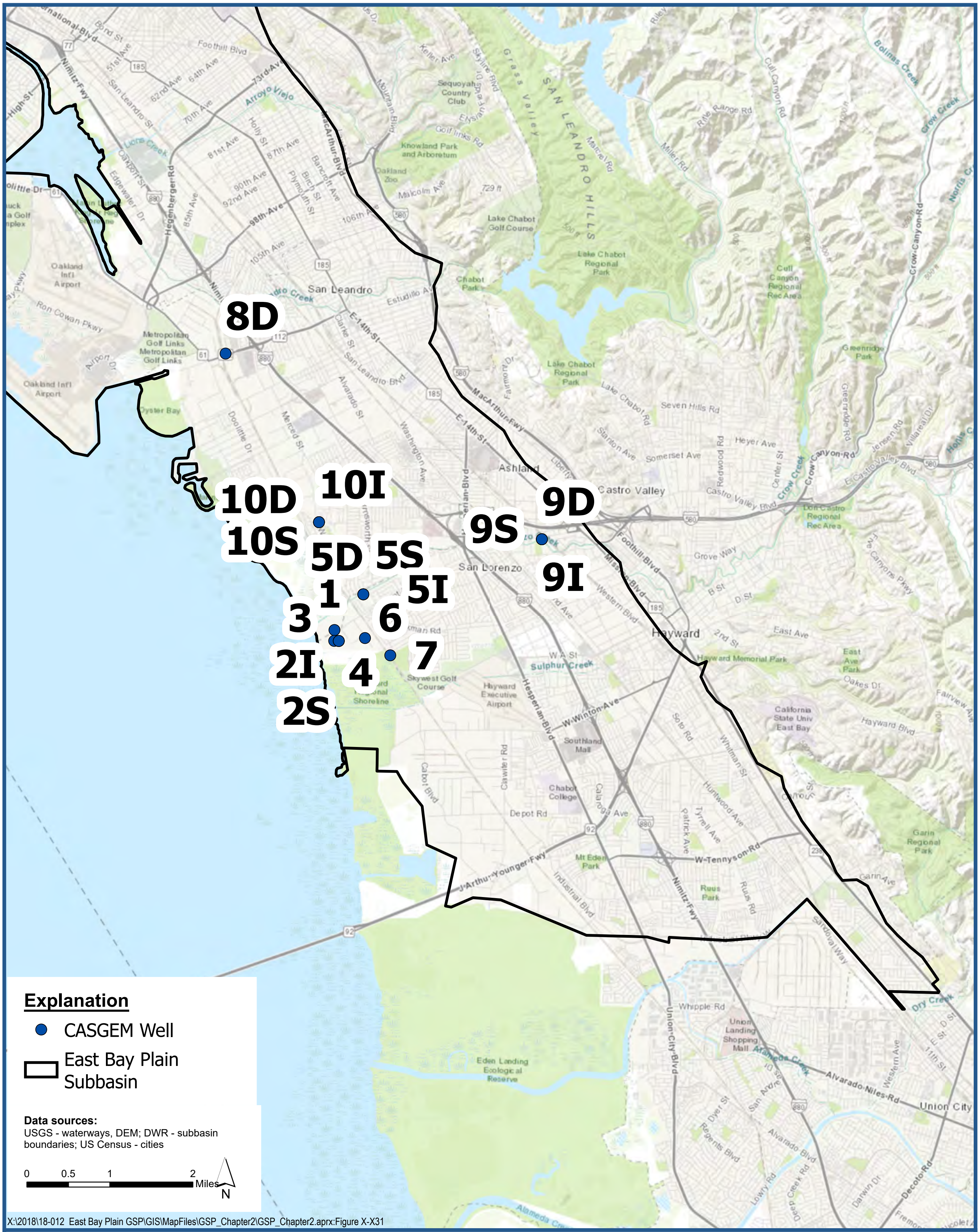
X:\2018\18-012 East Bay Plain GSP\GIS\MapFiles\GSP_Chapter2\GSP_Chapter2.aprx:Figure X-X32

Luhdorff & Scalmanini
Consulting Engineers

Location Map for EBP Subbasin CASGEM Wells (North)

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 2Ad-2



Data sources:
USGS - waterways, DEM; DWR - subbasin boundaries; US Census - cities

X:\2018\18-012 East Bay Plain GSP\GIS\MapFiles\GSP_Chapter2\GSP_Chapter2.aprx:Figure X-X31

Luhdorff & Scalmanini
Consulting Engineers

Location Map for EBP Subbasin CASGEM Wells (South)

East Bay Plain Subbasin
Groundwater Sustainability Plan

Figure 2Ad-3

APPENDIX 2. PLAN AREA AND BASIN SETTING

2.A. Technical Memoranda and Data

2.A.e. Summary of General Plans

LSCE TEAM

TECHNICAL MEMORANDUM

DATE: September 16, 2021

TO: Project File; Job Number 18-1-012, Subtask 5.1

FROM: Peter Leffler

SUBJECT: Appendix 2.A.e, Summary of General Plans for EBP Subbasin GSP

A groundwater sustainability plan (GSP) is being prepared for the East Bay Plain (EBP) Subbasin. Chapter 2, Section 2.1.3 of the GSP discusses general plans (GPs) and their potential relationship to GSP implementation. A large number of county and city GPs are applicable to areas within the EBP Subbasin, and this technical memorandum (TM) summarizes the most relevant aspects of these GPs for implementation of the GSP. This TM is intended to serve as an appendix for GSP Chapter 2, which provides a brief summary of the following GP review.

ALAMEDA COUNTY GENERAL PLAN

The Alameda County GP covers the unincorporated areas of Alameda County and has various elements adopted between 1956 and 2015. It includes several documents, including three Area Plans that contain land use and circulation elements, along with area-specific goals, policies, and actions for circulation, open space, conservation, safety, and noise. The Alameda County GP also includes several countywide elements (date of most recent update identified in parentheses): Housing (May 2015); Conservation (January 1976); Open Space (May 1973); Safety (January 2013); Noise (January 1976); Environmental Justice (set to begin development in 2020); Ashland & Cherryland Community Health & Wellness (December 2015); Community Climate Action Plan (February 2014); Scenic Route (May 1966); and Parks and Recreation (June 1956).

One of the three Area Plans, the Eden Area Plan (last updated March 2010), falls within the EBP Subbasin. The Eden Area includes the communities of Ashland, Cherryland, Hayward Acres, San Lorenzo, and Fairview. The Eden Area Plan notes that the Eden Area is substantially built out and states that although individual sites may be either vacant or abandoned, most parcels currently have some form of development in place. Overall land use in the Eden Area is 68% residential, 7% commercial, 5% industrial, 1% mixed use, 2% park, 16% public, and 1% vacant (40 acres). The vacant land use includes both empty lots and vacant buildings. Any future redevelopment is to reflect the land use regulations in the Area Plan. Goals, policies, and actions are based on the principles of livability and smart growth.

General Plan Implementation Effects on Water Demands and Sustainability

Implementing the goals and policies of this GP is not expected to affect groundwater development. The area’s future growth is expected to be limited and the majority of the water supply is provided by imported surface water.

GSP Implementation Effects on General Plan Water Supply Assumptions

GSP implementation will require that the EBP Subbasin be operated within its sustainable yield by 2042 and beyond; however, the overall water supply is derived almost exclusively from imported water supplies. Thus, implementing the GSP is not expected to affect the water supply assumptions of the Alameda County GP.

CONTRA COSTA COUNTY GENERAL PLAN

The Contra Costa County GP 2005–2020 was published in 2005. The GP notes that its role is to act as a "charter" for development, and that the GP is the foundation for land use decisions and is generally implemented via zoning ordinances. Land use approvals must be consistent with the GP. The Contra Costa County GP includes the seven mandated elements (land use, circulation, housing, conservation, open space, safety, and noise) and two optional elements (public facilities and services, and growth management).

Based on review of the GP land use map, the two primary unincorporated areas within the EBP Subbasin that are covered by the Contra Costa County GP are North Richmond and portions of El Sobrante along San Pablo Creek. Information from the GP regarding these areas is briefly summarized below.

The Contra Costa County GP includes the following specific policies for the North Richmond area: setback requirements for new structures along San Pablo and Wildcat Creeks and the San Francisco Bay shoreline; health risk assessments and buffers for applications involving substantial amounts of hazardous materials; special geotechnical studies to address seismic and geological hazards; and encouragement for commercial nurseries to remain in the area. The GP notes that the Board of Supervisors adopted a redevelopment plan for the North Richmond area in 1987, and that the City of Richmond and Contra Costa County were to undertake a rezoning study of the area to bring zoning into conformance with their respective GPs. Urban agriculture (e.g., home gardens, community gardens, urban farms) is encouraged in the North Richmond area within certain guidelines and best management practices (BMPs) provided in (or to be developed as part of) the GP.

The GP includes the following specific policies for the El Sobrante area: maintain creeks running through the community, including San Pablo Creek, flowing along their natural paths; upgrade the community drainage system to eliminate flooding and overflow problems and eliminate open drainage ditches; focus the addition of housing units in the urban core and restrict sprawl development in surrounding hillside areas; and retain the Open Space designation for lands outside the service area capability of East Bay Municipal Utility District (EBMUD) and West Contra Costa Sanitary District.

General Plan Implementation Effects on Water Demands and Sustainability

Goals and policies implemented under the Contra Costa County GP are not expected to affect groundwater development, because the area's future growth is expected to be limited and most of the water supply is provided by imported surface water.

GSP Implementation Effects on General Plan Water Supply Assumptions

GSP implementation will require that the EBP Subbasin be operated within its sustainable yield by 2042 and beyond; however, the overall water supply is derived almost exclusively from imported water supplies. Thus, implementing the GSP is not expected to affect the water supply assumptions of the Contra Costa County GP.

CITY OF SAN PABLO GENERAL PLAN

The City of San Pablo GP was adopted in 2011 and covers the period through 2030. The land use section provides the current distributions and amounts of various land uses as of 2011. Low-density residential is the largest land use type, occupying 34% of the city's land area, with medium- and high-density residential occupying another 13% of the land area for a total of 47% for residential land use within the San Pablo city limits. Roads and other rights-of-way occupy 23% of the city's land area, commercial/office space occupies 9%, industrial land use is 2%, public/institutional land use is 14%, and another 2% of city land is occupied by parks and open space. Vacant land composes 3% of the total land area in the city of San Pablo.

Land use policies include LU-I-1, to amend the zoning ordinance to promote transit-oriented development at appropriate locations. The GP emphasizes medium- to high-density development along transportation corridors for future growth. New development would occur primarily in mixed-use areas. Buildout conditions in terms of population are expected to allow for a population increase of about 8.5% over the current (2010) population of 32,200. Most new residential developments are anticipated to occur along major roads such as San Pablo Avenue and 23rd Street. Of the 990 planned additional housing units, only 50 would be low-density residential (eight units per acre), 210 would be high-density residential (30 units per acre), and the rest would be mixed use (14–60 units per acre).

Water Supply and Conservation Policies include PSCU-I-34, to update zoning standards to minimize stormwater runoff rates/volumes and maximize recharge of local groundwater aquifers. The policy also requires new developments to include features that reduce impermeable surface area and increase infiltration (e.g., permeable paving, stormwater detention/retention basins to facilitate infiltration). Implementing Policy C-I-33 amends the zoning ordinance to establish "green" parking design standards that include the use of pervious paving to improve groundwater recharge.

General Plan Implementation Effects on Water Demands and Sustainability

Implementing the current City of San Pablo GP is not expected to affect sustainability under the GSP.

GSP Implementation Effects on General Plan Water Supply Assumptions

GSP implementation will require that the EBP Subbasin be operated within its sustainable yield by 2042, and thus, is consistent with the goals and policies of the San Pablo GP.

CITY OF RICHMOND GENERAL PLAN

The City of Richmond GP 2030 was adopted in 2010. Land use is 24% residential, 5% commercial, 22% industrial and port, 31% parks and open space, and 18% other. The GP does not appear to provide the percentage of the city's land area that is vacant and undeveloped.

The Community Facilities and Infrastructure Element notes that Goal CF1 (Facilities that Serve a Diverse Range of Community Needs) and Action CF1.D (Storm Water Drainage) are to use BMPs for stormwater drainage and evaluate the system's ability to accommodate sea level rise, reduce runoff into creeks and San Francisco Bay, and promote groundwater recharge through the use of pervious materials, retention basins, bio-swales, and other methods. Goal CF3 (Green and Sustainable Standards and Practices) and Policy CF3.2 (Green Infrastructure and Landscape) promote ecologically sensitive approaches for landscaping, stormwater drainage and filtration, groundwater recharge, and flood control. Goal CF3/Action CF3.b (Green Streets Program) expands the Green Streets Program to use sustainable approaches to stormwater drainage, groundwater recharge, and landscaping by incorporating green streets standards/guidelines in all streetscape improvement projects.

General Plan Implementation Effects on Water Demands and Sustainability

Implementing the current City of Richmond GP is not expected to affect sustainability under the GSP.

GSP Implementation Effects on General Plan Water Supply Assumptions

GSP implementation will require that the EBP Subbasin be operated within its sustainable yield by 2042, and thus, is consistent with the goals and policies of the City of Richmond GP.

CITY OF EL CERRITO GENERAL PLAN

The City of El Cerrito GP was adopted in 1999 and amended in 2014 for development projections to 2040. El Cerrito encompasses 2,390 acres within its city limits. The city's population peaked in the early 1960s at approximately 25,400, and although some development has continued, the estimated 1998 population was 23,600. This population decline was attributed to limited land availability, demolition of some housing to allow for Bay Area Rapid Transit (BART) development, and a declining average household size.

The GP notes that El Cerrito is largely built out. Future residential development will essentially be limited to redevelopment (intensification and improvements on existing parcels). Future growth will likely be limited to small infill opportunities and reuse of existing sites, most of which will be along the San Pablo Avenue corridor. The 1999 GP assumed that most growth would take place within the San Pablo Avenue corridor and would include 189,350 square feet of additional retail space, 166,750 square feet of additional office space, and 775 new housing units. The 2014 amendment notes that the San Pablo Avenue Specific Plan would result in a new development of 1,706 new dwelling units and 243,112 square feet of new commercial space by 2040, with the only development outside the specific plan area being 90 new housing units, representing a combination of accessory units and infill of vacant lots. Residential dwelling unit densities in the San Pablo Avenue Specific Plan range up to 70 units per acre.

Approximately 50% of the total land area within the El Cerrito city limits is currently used for residential land uses, with the vast majority of this residential area (more than 90%) occupied by single-family homes.

A total of 5% of the land is used for commercial land uses, another 5% for institutional land uses, and 16% for recreational/open space. As of 1998, 5% (124 acres) was vacant land, down slightly from 159 acres in 1975. The GP projected that there would be no vacant land by 2020.

The City of El Cerrito GP states that storm runoff drains into waterways that are relatively steep, average 6 feet in width, and are incised into bedrock. Recent improvements have significantly increased drainage capacity, and the City of El Cerrito has adopted management guidelines in accordance with National Pollutant Discharge Elimination System (NPDES) requirements. The Primary Action Strategies include a Green Infrastructure Initiative, which promotes creek assessment for areas of improvement and restoration. It recommends restoring riparian vegetation to help protect against flooding and improving water quality by filtering runoff. The GP recommends adoption of a creek ordinance with provisions for setbacks of buildings and paved areas, avoidance of culverting, waterway restoration, and watershed management.

Policy LU6.1 (Natural Features) is to preserve or restore natural terrain, drainage, and vegetation on and near development sites, including by opening up buried creeks where possible.

General Plan Implementation Effects on Water Demands and Sustainability

Implementing the current City of El Cerrito GP is not expected to affect sustainability under the GSP.

GSP Implementation Effects on General Plan Water Supply Assumptions

GSP implementation will require that the EBP Subbasin be operated within its sustainable yield by 2042, and thus, is consistent with the goals and policies of the City of El Cerrito GP.

CITY OF ALBANY GENERAL PLAN

The City of Albany 2035 GP was adopted in 2016. The city of Albany is bordered by Codornices Creek on the south and Cerrito Creek on the north and is dominated by Albany Hill, which reaches an elevation exceeding 300 feet above mean sea level. The Albany shoreline includes a landfilled peninsula that extends more than 0.5 mile into the Bay. Albany has a land area of 1.8 square miles and a population of 18,539 as of 2010. The city's population grew rapidly from 1910 to 1950 (reaching 17,590), declined during the 1950s and 1960s (for a population of 14,674 in 1970), and has grown modestly since 1970. Some of the recent growth from 2000 to 2010 resulted from the reconstruction of University Village student family housing and some is attributable to an increase in average household size.

Albany is a mature city; half its housing stock was built before 1950 and consists largely of detached single-family homes, whereas housing units built after 1950 have been primarily apartments and condominiums (including the reconstructed University Village family housing complex, which constitutes 15% of the total housing stock). Vacant land (undeveloped parcels not used for park/conservation purposes) comprises only 21 acres, or 1.8% of the city's land area. Action LU-5.A (Albany Hill Vacant Parcel) is to work with the owners of the largest undeveloped parcel to cluster development to conserve the majority as open space. Policy LU-1.8 (Transit-Oriented Development) encourages land use to support the use of transit, including additional mixed-use development along the San Pablo and Solano Avenue corridors.

Large portions of Albany's creeks were modified, buried, or rerouted as development occurred. Steps are being taken to restore and enhance them today, and streambed alterations on private property are regulated by federal and state laws and by Albany's creek protection ordinance. Cerritos Creek has been diverted into underground pipes and concrete/earthen channels in Albany, whereas Codornices Creek is mostly unaltered and open through most of the city. Village Creek flows in underground culverts except where it surfaces in the University Village area. Overall, there are about 3.6 miles of daylighted creek channels in Albany as of the date of the GP. Creek water quality is affected by nonpoint-source pollution that results in high water temperatures, trash, and sedimentation, and may also include urban runoff containing pesticides, fertilizer, oil and grease, animal waste, household chemicals, and other pollutants. An NPDES program permit includes special requirements for new development projects that add or replace more than 10,000 square feet of impervious surface area, requiring site design source control and stormwater treatment along with no net increase in runoff flow or volume. Codornices Creek supports a native steelhead population. A zoning ordinance includes a Watercourse Overlay District that covers areas within 75 feet of the centerlines of Codornices and Cerrito Creeks, which regulates land uses including a prohibition on structures within 20 feet from the top of bank.

Policy LU-5.3 (Albany's Creeks) maintains a Creek Conservation Zone along Cerrito Creek (2-square-mile watershed), Codornices Creek (1.1-square-mile watershed), and Village Creek to protect existing riparian habitat and restrict development as necessary to conserve creek environments. Areas within 100 feet of the centerlines of Codornices, Cerrito, and Village Creeks are subject to Creek Conservation Area requirements to minimize disruption of riparian vegetation and effects related to flooding and erosion. Focus areas for future development and redevelopment include the San Pablo Avenue Corridor (the primary area for continued redevelopment to a more pedestrian-oriented "retail boulevard"), Solano Avenue Corridor, Albany Hill (an 11-acre undeveloped parcel), Eastshore Highway/Cleveland Avenue, Albany Waterfront (potential future development of Golden Gate Fields), and University Village. Policies CON-1.7 (Creek Restoration), CON-1.8 (Creek Access), CON-1.9 (Riparian Corridors), CON-1.A (Codornices and Cerrito Creek Restoration Initiatives), CON-1.B (Watercourse Combining District), and others serve to daylight portions of creeks that run underground, improve public access to creeks, protect riparian vegetation and creek wildlife, and implement special development regulations within 100 feet of the three major creeks. There are also various policies for stormwater control (CON-4.1) and management (CON-4.B) to help improve water quality in Albany's creeks and shoreline. Policy CON-6.10 (Reclaimed Water) supports the use of reclaimed water on a citywide basis for landscaping and irrigation.

General Plan Implementation Effects on Water Demands and Sustainability

Implementing the current City of Albany GP is not expected to affect sustainability under the GSP.

GSP Implementation Effects on General Plan Water Supply Assumptions

GSP implementation will require that the EBP Subbasin be operated within its sustainable yield by 2042, and thus, is consistent with the goals and policies of the City of Albany GP.

CITY OF BERKELEY GENERAL PLAN

The City of Berkeley GP was completed in 2001 and includes seven main goals, including Goal 3 (Protect local and regional environmental quality) and Goal 7 (Maintain infrastructure), and is available online at https://www.cityofberkeley.info/Planning_and_Development/Home/General_Plan__A_Guide_for_Publi c_Decision-Making.aspx. Part of Goal 3 is to restore creeks and encourage daylighting of creeks that are currently in culverts and not visible.

Berkeley's overall land use distribution is 48% residential, 24% streets, 9% institutional (the University of California, Berkeley, as well as schools, churches, hospitals, and public facilities), 7% commercial, 4% manufacturing, 6% open space, and 2% vacant. By 1950, most parcels were developed, and the remaining parcels were scattered and limited in their potential use by their small size, location, or topography, and/or by adjacent development. The general distribution of land uses has not changed significantly in the last 40 years (1960 to 2000). The Land Use Element of the City of Berkeley GP notes that only 2% of the land within the city limits is vacant, and most of that land was recently purchased by East Bay Regional Park District for Eastshore Park.

During the 30-year period from 1970 to 2000, Berkeley experienced no growth in its population or housing supply; the city's population dropped from about 116,500 to 102,750, while housing units increased slightly from 46,160 to 46,875. Residential areas occupy about 48% of Berkeley's total land area. The GP notes that although vacant land for new housing development is extremely limited, the major transportation corridors and Downtown area have a number of underutilized parcels, representing opportunities for additional housing and other types of redevelopment. Industrial areas are located almost exclusively in West Berkeley and occupy about 4% of the city's total land area. Policy LU-23 (Transit-Oriented Development) encourages and maintains zoning that allows greater commercial and residential density in above-average transit service areas such as Downtown.

The Housing Element notes that housing supply expansion under Policy H-12 (Transit-Oriented New Construction) is to encourage construction of new medium- and high-density housing on major transit corridors and near transit stations, with consideration to adjust zoning to allow for greater residential density along certain transit corridors and in the Downtown, Ashby, and North Berkeley BART station areas.

The Environmental Management Element includes a discussion of Berkeley's Green Building Initiative for new construction and major remodel projects. The city has five principal creeks (Derby, Potter, Strawberry, Schoolhouse, and Codornices) that drain from the Berkeley Hills to San Francisco Bay. The GP notes that in their natural conditions, the streams "contributed to groundwater reserves." Most of the creeks in the flatland areas are now contained within underground drain culverts, except for Codornices Creek. In recent years, there has been a movement to daylight these underground creeks, including a 200-foot stretch of Strawberry Creek in Strawberry Creek Park and a portion of Codornices Creek between Eighth and Ninth Streets. In 1989, the City of Berkeley enacted Ordinance No. 5961 (Preservation and Restoration of Natural Watercourses) to regulate future culverting and construction in open creeks, encourage restoration of natural waterways, prohibit obstruction of and interference with watercourses, and require setbacks for new construction.

Objectives in the Environmental Management Element include conserving water, improving water quality, and facilitating creek restoration.

General Plan Implementation Effects on Water Demands and Sustainability

Implementing the current City of Berkeley GP is not expected to affect sustainability under the GSP.

GSP Implementation Effects on General Plan Water Supply Assumptions

GSP implementation will require that the EBP Subbasin be operated within its sustainable yield by 2042, and thus, is consistent with the goals and policies of the Berkeley GP.

CITY OF EMERYVILLE GENERAL PLAN

The City of Emeryville GP, adopted in 2009 and amended through 2019, includes a planning horizon through 2030. The city of Emeryville occupies only 1.2 square miles and includes a peninsula extending into San Francisco Bay that was constructed in the 1960s. Emeryville was initially developed in the late 1800s and early 1900s with industrial and rail terminal development and included other early-1900s developments such as a horse racing track and the Shellmound Park amusement center. Initial residential development was limited to the eastern edge bordering Oakland.

In the 1970s, Emeryville began to convert some of its industrial developments to residential and multistory office building development, with development of parks and a marina. Additional conversion of industrial space to residential development occurred in the 1980s, resulting in a city population of nearly 5,000. Large-scale redevelopment projects to create retail and office space occurred through 2005. The existing population at the time of GP development (2008) was 9,727, with a projected increase to 16,600 at buildout in 2030, involving an estimated increase in housing units from 5,988 to 9,800.

The GP notes that Emeryville has undergone an extensive land use transformation since 1990. Whereas former land use was related primarily to manufacturing and distribution, the city is now characterized by increasing office, retail, high-density residential, and mixed-use development land uses. The city is almost entirely built out, with little to no vacant land. Current land use as of 2008 was 36% commercial, 14% industrial, 21% housing, 7% public use, 7% parks and open space, 7% mixed uses, and 4% (20 acres) vacant. Growth has resulted from redevelopment of existing land uses and rehabilitation of older buildings. Overall, redevelopment has been and will continue to be the primary driver for growth in Emeryville. Land use policies are oriented toward redevelopment and include Policy LU-P-6 to increase park and open space areas.

The city of Emeryville is located within the EBP Subbasin and the water table lies just several feet below the ground surface. The main creek in Emeryville is Temescal Creek, a channelized creek that runs underground in portions of the city. The City of Emeryville GP notes that creek flows are partially regulated by upstream releases from the Lake Temescal Reservoir. The GP proposes to establish a greenway along the course of Temescal Creek that includes some surface water features; however, the main channel will remain primarily underground for flood control purposes.

Stormwater management in Emeryville includes working to reduce impervious surfaces and filter stormwater runoff before entering San Francisco Bay. The City of Emeryville participates in the NPDES permit program, which requires new developments to incorporate stormwater treatment systems and BMPs (e.g., rain gardens, bioretention areas, biofiltration swales, living roof systems).

General Plan Implementation Effects on Water Demands and Sustainability

Implementing the current City of Emeryville GP is not expected to affect sustainability under the GSP.

GSP Implementation Effects on General Plan Water Supply Assumptions

GSP implementation will require that the EBP Subbasin be operated within its sustainable yield by 2042, and thus, is consistent with the goals and policies of the City of Emeryville GP.

CITY OF ALAMEDA GENERAL PLAN

The City of Alameda GP was adopted in 2021 and includes a planning horizon through 2040. The history of land use in Alameda includes restrictions associated with two measures passed in 1973 and 1991 (collectively known as Measure A) that effectively stopped development of multifamily housing from 1973 to 2013. The Naval Air Station on the western third of Alameda Island closed in 1993 and a redevelopment plan was adopted for new mixed-use development with more than 300 acres of open space, parks, and conservation areas. The City of Alameda adopted a state-mandated density bonus ordinance in 2009 that allows a project to exceed Measure A's residential density limits if the project meets certain requirements. Ultimately, in 2013, construction began on the first multifamily homes built in Alameda in more than 40 years.

Alameda plans to meet its state-required regional housing need for 10,000–12,000 new housing units over the next 20 years (2020–2040) primarily with new development on the former Naval Air Station lands and along the northern waterfront. Other housing opportunities include accessory units and additional units on existing residential properties and along commercial corridors and shopping centers. Alameda's existing neighborhoods and commercial districts are expected to look very similar in 2040 to the way they look today and looked in 2000, because most of the new housing in these areas will be backyard accessory buildings and units added within existing buildings.

A primary issue in the City of Alameda GP related to groundwater is the interrelationship between shallow groundwater levels and sea level rise. The GP bases its policies on an expectation of sea level rise. For example, Policies HS-22 (New Development), LU-30 (Waterfront Design), and CC-20 (Land Development) require that all new developments be designed for projected sea level rise and groundwater level rise. Policy CC-23 (Rising Groundwater) also provides for various actions (Infrastructure and Access, Building Codes, and Annual Review) to prepare for the potential impacts of rising groundwater levels related to sea level rise. In addition, Policy HS-24 (Groundwater Management) requires the enforcement of stringent groundwater management programs to prevent subsidence.

Policies CC-24 (Water Retention) and CC-32 (Lagoons) promote development and maintenance of areas to retain water to minimize flooding and serve as wildlife habitat. Policies CC-33 (Green Infrastructure) and HS-25 (Green Infrastructure) are intended to protect San Francisco Bay by using green infrastructure to improve stormwater runoff quality, improve flood management, and increase groundwater recharge. The policies recommend reducing stormwater runoff through use of pervious materials, retention basins, and bioswales, and plan for continued compliance with NPDES permit requirements to improve water quality.

General Plan Implementation Effects on Water Demands and Sustainability

Implementing the current City of Alameda GP is not expected to affect sustainability under the GSP.

GSP Implementation Effects on General Plan Water Supply Assumptions

GSP implementation will require that the EBP Subbasin be operated within its sustainable yield by 2042, and thus, is consistent with the goals and policies of the City of Alameda GP.

CITY OF OAKLAND GENERAL PLAN

The City of Oakland is in the process of developing a new and updated GP. The major elements of the current GP were adopted between 1996 and 1998, with a planning horizon through 2020, and a new housing element was adopted in 2014 that included planned actions through 2023. The City of Oakland GP covers substantial areas both within and outside the formal EBP Subbasin boundaries.

The GP states that Oakland is a mature and significantly built-out city. Out of the total land area in the GP of 35,927 acres, approximately 28% (9,955 acres) was occupied by open space as of 1996. Open space at that time included parkland; wetlands along the San Francisco Bay/Oakland Estuary; large institutional holdings (e.g., University of California, U.S. Navy); and various other parcels (e.g., Leona Quarry, Mandela Parkway median), large private properties, and small scattered vacant lots. Of the 9,955 acres of land classified in the GP as open space, about 5,600 acres were parks, airport operations, and campus/military land uses; 1,485 acres were private/vacant tracts/lots in hillside areas; 1,150 acres were assigned to golf courses, cemeteries, and schools; 574 acres were considered urban infill lots and land adjoining vacant buildings; and the remaining acreage was distributed among various other land uses. These data indicate that up to 574 acres (less than 2% of the GP area) of vacant land may occur within the EBP Subbasin.

The GP notes that many of Oakland’s neighborhoods appear to be completely built out, and the vast majority of the city’s open space (including vacant land) is located in hillside areas. It also states that the approximately 500 acres of vacant land in flatland areas are well suited for development, but that some could become community gardens or plazas. The GP suggests that 130 acres of schoolyards and 300 acres of parking lots currently consisting only of asphalt could be “greened.”

There are also several objectives, policies, and actions related to stormwater, water quality, and groundwater recharge. These include Objective CO-5 (Water Quality), to minimize the adverse effects of urbanization on groundwater, creeks, lakes, and nearshore waters. Water quality issues result primarily from nonpoint sources such as runoff from paved areas and lawns, which can discharge various pollutants such as oil, grease, paints, pesticides, detergent, animal waste, various chemicals, and debris into creeks, lakes, and San Francisco Bay. Improvements can be made by requiring erosion control, increasing enforcement of dumping/waste disposal laws, upgrading old sewer and storm drain systems, requiring stormwater detention/treatment, and educating the public. A countywide clean water program was in the process of being implemented at the time of the GP development.

Policy CO-5.1 (Protection of Groundwater Recharge) encourages groundwater recharge by protecting large open space areas, maintaining creek setbacks, limiting impervious surfaces, and retaining natural drainage patterns in new development areas. This policy notes that Oakland overlies a permeable aquifer, the quantity and quality of which have been affected by urbanization. The water table has been lowered in some places by overpumping and reductions in the groundwater recharge area. The GP states that this has resulted in subsidence but does not provide specific documentation or evidence for this statement. The policy promotes groundwater recharge through proper management of development in areas of good recharge, including creeks, sandy soils, and large open spaces, and considers the possibility of limiting impervious surfaces in areas of new development.

Stormwater-related measures include Action CO-5.1.1 (Consideration of Impervious Surface Limits), to study the feasibility of adding impervious surface limits in single-family residential zoning districts, and Action CO-5.1.2 (Stormwater Dispersion Methods), to consider adopting stormwater dispersion provisions for development projects with high-percolation-rate soils, which may include runoff-absorbing rock drains and dry wells on certain sites. Policy CO-5.2 (Improvements to Groundwater Quality) supports efforts to minimize the use of toxic herbicides and fertilizers, enforce anti-litter laws, clean up toxic contaminated sites, and convert properties with septic tanks to sanitary sewer systems.

Policy CO-5.3 (Control of Urban Runoff) and Action CO-5.3.1 (Pre-Treatment of Runoff) call for the use of a broad range of strategies to reduce water pollution associated with stormwater runoff. Among these strategies are enforcing Oakland’s stormwater management ordinance and sedimentation and erosion ordinance (to help control runoff from construction sites, address illicit discharges and littering, inspect properties, and penalize violators). Another strategy is to study the feasibility of enacting stormwater retention and pretreatment/filtration system requirements for certain developments.

General Plan Implementation Effects on Water Demands and Sustainability

Implementing the current City of Oakland GP is not expected to affect sustainability under the GSP.

GSP Implementation Effects on General Plan Water Supply Assumptions

GSP implementation will require that the EBP Subbasin be operated within its sustainable yield by 2042, and thus, is consistent with the goals and policies of the City of Oakland GP.

CITY OF SAN LEANDRO GENERAL PLAN

The City of San Leandro GP was adopted in 2016 with a planning horizon through 2035. The GP notes that San Leandro was considered built out by the early 1960s, although it continues to change and evolve, with obsolete land uses being replaced by more productive land uses. The overall goal of the GP is to retain successful parts of the city and redevelop areas where land is underutilized (Focus Areas). Between 2015 and 2035, the San Leandro GP envisions an average of 275 new homes per year and 12,000 new jobs, much greater rates than occurred from 1995 to 2015. Because most of the city is built out, new housing is planned primarily in transit-oriented development areas in the Downtown, Bay Fair BART station, and East 14th Street corridor areas. Much of this new development is envisioned to consist of apartments, condominiums, and townhomes, some of which may occur in mixed-use buildings. The GP includes a new goal for housing opportunities and several policies to encourage development of mixed residential unit types emphasizing infill development and transit corridor areas.

Land use in San Leandro as of 2015 was 47% residential, 19% industrial, 14% parks and open space, 8% commercial, 7% public/institutional, 4% transportation and utilities, and 1% vacant. Alameda County tax assessor records in 2015 showed a total of 159 vacant parcels out of a total of 24,949 parcels, which equates to 97 acres of vacant land in the city. Vacant land is concentrated in industrial areas (including one 25-acre parcel) and along major arterials, with smaller vacant areas in the San Leandro Hills. Most future growth will occur on underutilized sites, which include current land uses such as staging/storage, warehousing, salvage yards, truck parking, used car dealerships, gas stations, large parking lots, vacant storefronts, and drive-through businesses originally developed in the 1940s and 1950s.

The Sean Leandro GP promotes green infrastructure with the following policies and actions:

- Policy EH-4.11 (Green Infrastructure) promotes the increased use of green infrastructure as a means of improving stormwater quality by incorporating low impact development drainage design, reduction of impervious surfaces, and use of vegetation, soils, and natural processes to manage water.
- Action EH-4.11A (Green Infrastructure Plan) calls for development and implementation of a Green Infrastructure Plan, including a mechanism to prioritize and map areas for planned and potential projects, projects for impervious surface reductions, process for tracking and mapping completed projects, design guidelines and details for green infrastructure projects, implementation program, and evaluation of funding options.
- Action EH-4.11.B (Green Infrastructure Capital Projects) calls for the annual review of planned capital projects to identify opportunities to incorporate green infrastructure.
- Action EG-4.11.C (Green Infrastructure Outreach) calls for outreach and education to gain support for green infrastructure plans and demonstrate the benefits of such plans, including water quality improvement, flood control, and greenhouse gas reduction.

General Plan Implementation Effects on Water Demands and Sustainability

Implementing proposed land use developments and water-related goals/policies under the City of San Leandro GP is expected to result in neutral effects, or possibly even to reduce water demands and contribute to sustainability under the GSP.

GSP Implementation Effects on General Plan Water Supply Assumptions

GSP implementation will require that the EBP Subbasin be operated within its sustainable yield by 2042, and thus, is consistent with the goals and policies of the City of San Leandro GP, which include collaboration with EBMUD and projects and management actions that are included in the GSP.

CITY OF HAYWARD GENERAL PLAN

The City of Hayward GP was adopted in 2014 with a planning horizon through 2040. The majority of the city, which is described as primarily urban and built out, was developed by the 1970s and is characterized by single-use neighborhoods and centers, low-density housing, strip commercial centers, and auto-oriented street networks. A new era of land use planning began in the 1990s to incorporate principles of “smart growth,” which include preservation of open space, infill development and redevelopment, compact mixed-use neighborhoods, pedestrian/bicycle-friendly streets, and transit-oriented developments. These smart-growth principles are being used to plan for future population growth.

Existing land use within the Hayward city limits as of 2013 included 52% Bay and Baylands, 5% open space, 17% rural and residential, 3% commercial, 7% industrial, 7% public facilities/utilities, 5% parks and recreation and institutional, and 3.6% vacant (1,396 acres). Vacant land is defined as land not actively used for any purpose, and includes land not improved with buildings or site facilities; however, the City of Hayward GP notes that some sites containing substantial buildings are presently vacant. The GP notes that future development will be limited to small infill development sites and redevelopment of underutilized properties.

Goal LU-1 promotes local growth patterns and sustainable development by directing growth toward infill development sites and redevelopment of underutilized sites, high-density transit-oriented areas, and mixed-use neighborhoods, while maintaining urban limit lines and protecting Hayward's shoreline and hillsides as open space and recreational resources. Priority growth areas include the Downtown City Center, Cannery Transit neighborhood, Mission Boulevard mixed-use corridor, and the South Hayward BART station corridor/neighborhood.

Land Use Policy LU-1.8 (Green Building and Landscaping Requirements) requires implementation of green building and landscaping requirements for private- and public-sector development. Policy NR-6.6 (Stormwater Management) promotes techniques to minimize surface runoff and impervious surfaces in public/private developments through conservation, on-site filtration, and water recycling. Policy NR-6.1 (Surface Watercourse Restoration) promotes improvements to and restoration of surface water features to their natural condition to the extent possible.

The GP notes that groundwater resources are vitally important to community health and ecosystem preservation:

- Goal NR-6 (Hydrology, Water Quality, and Conservation) provides for improved overall water quality by protecting surface water and groundwater sources.
- Policy NR-6.2 (Saltwater Intrusion Prevention) states that the City of Hayward will prohibit groundwater withdrawals in industrial and commercial areas near the San Francisco Bay shoreline that could result in seawater intrusion into freshwater aquifers.
- Policy NR-6.6 (Stormwater Management) promotes minimization of surface water runoff and impervious surfaces, including use of low impact development techniques to best manage stormwater through conservation, on-site filtration, and water recycling.
- Policy PRS-5.5 (Public Improvement Design) states that streets, parks, and plazas will be designed for retention and infiltration of stormwater.
- Policy NR-6.11 (Reclaimed Water Usage) promotes increasing the use of reclaimed water.

The GP notes that that Hayward's water supply is 95% from its water supply agreement with the San Francisco Public Utilities Commission and 5% from EBMUD. Among several water supply infrastructure goals/policies are PFS-3.6 (Exercise and Protect Water Rights), which includes exercising and protecting groundwater rights in perpetuity; PFS-3.11 (Water Supply during Emergencies), which includes the maintenance of emergency wells for short-duration use that meet primary drinking water standards; and PFS-3.16 (Recycled Water), to increase the use of recycled water where appropriate and encourage expansion of recycled water infrastructure. Policy PFS-5.4 (Green Stormwater Infrastructure) encourages green infrastructure design and low impact development techniques for stormwater facilities.

General Plan Implementation Effects on Water Demands and Sustainability

Implementing proposed land use developments and water-related goals and policies under the City of Hayward GP is expected to result in neutral effects, or possibly even to reduce water demands and contribute to sustainability under the GSP.

GSP Implementation Effects on General Plan Water Supply Assumptions

GSP implementation will require that the EBP Subbasin be operated within its sustainable yield by 2042, and thus, is consistent with the goals and policies of the City of Hayward GP.

SUMMARY OF GENERAL PLANS AND LAND USE PROJECTIONS

Several GPs and land use planning documents are relevant to the EBP Subbasin, most of which are described in this appendix. In general, these planning documents note that their respective areas have been built out for some time, and that future land use changes will focus primarily on redevelopment of key areas, such as transportation corridors and downtown areas. Many GPs emphasize protecting creeks and restoring creeks (including daylighting underground portions) whenever possible, which could increase groundwater/surface water interaction in the future.

Essentially all the GPs relevant to the EBP Subbasin emphasize using green infrastructure for future development and redevelopment, including pervious pavement and other storm runoff reduction measures such as stormwater retention and percolation basins. These green infrastructure measures will tend to increase groundwater recharge compared to current conditions, which is likely to offset potential reductions in groundwater recharge from the development of vacant parcels and may even result in an overall net increase in groundwater recharge.

Nonetheless, Chapter 4 of this GSP includes a scenario developed to evaluate the potential effects on the EBP Subbasin of a worst-case scenario involving an overall increase in impervious area and associated reduction in groundwater recharge.

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APPENDIX 2. PLAN AREA AND BASIN SETTING

2.A. Technical Memoranda and Data

2.A.f. Surface Water System Water Budget

Appendix 2.A.f. Surface Water System Water Budget

The two sources of surface water coming into EBP Subbasin are imported surface water for municipal supply from EBMUD (Mokelumne River watershed) and Hayard via SFPUC (Toulumne River watershed) and direct surface water inflow along various streams from the East Bay Hills watershed. Significant uncertainty exists in quantifying both sources: imported surface water supply uncertainty relates to the portion of the total supply that is used within the EBP Subbasin watershed, and streamflow is uncertain due to a general lack of stream gauges or limited period of record associated with available stream gauge data. However, the best available data were used to develop the surface water system water budget presented in **Table 2.A.f-1**. The portion of these surface water supplies estimated to be contributing groundwater recharge to the EBP Subbasin are described in Chapter 2 of the GSP.

Imported surface water supplies were based on data provided in the Muir (1994) recharge study, EBMUD (2020) water demand study, Hayward UWMP (2021), and 2017 water audit reports for EBMUD and Hayward. Historical imported surface water estimates were based on the Muir estimates for 1993 and 2017 water audit reports. Current estimates of imported water supply were based on 2017 water audit reports. Future estimates of imported water supply were based on averages from 2020 to 2050 for EBMUD (2050 Water Demand Study) and 2025 estimates for Hayward (2020 UWMP). It was estimated that approximately 50% of delivered imported surface water supplies occur within the EBP Subbasin for both EBMUD and Hayward. These imported surface water estimates entering the EBP Subbasin are provided in **Table 2.A.f-1**, along with the amounts estimated to recharge the groundwater system. The remaining portion of imported surface water is assumed to exit the EBP Subbasin via evapotranspiration and sewer plant discharges.

Estimates of streamflow inflow and outflow to/from EBP Subbasin were derived from the groundwater model. Streamflow inputs to the groundwater model were based on available stream gauge data and releases from EBMUD reservoirs. The primary streams for which estimates are provided include San Pablo, Wildcat, San Leandro, and San Lorenzo Creeks. The model quantifies streamflow entering the eastern Subbasin boundary and exiting to the Bay towards the west, along with streamflow infiltration (recharge to the groundwater basin) and groundwater discharge to streams. These estimates are provided in **Table 2.A.f-1**.

Table 2.A.f-1 Inflow Components for Historical, Current, and Projected Surface Water Balances

Inflows	Final Historical Transient Average[a] Annual (AFY)	Final Current Transient Average[b] Annual (AFY)	Projected Future Baseline[c] (AFY)	Project Future Scenario with Projects[d] (AFY)
EBMUD Imported Surface Water	105,000	91,500	110,000	110,000
Hayward/SFPUC Imported Surface Water	7,700	7,800	10,000	10,000
Total Imported Surface Water Inflow	112,700	99,300	120,000	120,000
Imported Surface Water Outflow – Leaking Pipes	7,350	7,350	7,350	7,350
Imported Surface Water Outflow – Irrigation Recharge	1,825[e]	1,825[e]	1,750[f]	1,750[f]
EBMUD Imported Surface Water Outflow – ET and Sewer Discharge to Bay	103,125[e]	90,125[e]	110,900[f]	110,900[f]
Total Imported Surface Water Outflow	112,700	99,300	120,000	120,000
EBMUD Streamflow Total	1,707,999	1,450,595	1,802,305	1,802,305
Hayward Streamflow Total	1,231,215	1,139,100	1,267,773	1,267,773
Total Streamflow Inflow	2,939,214	2,589,705	3,070,078	3,070,078
Stream Recharge	2,473	2,544	2,419	2,420
Stream Discharge	2,968	3,086	3,615	3,615
Total Streamflow Outflow	2,939,709	2,590,247	3,071,274	3,071,273
Total Surface Water Inflow	**3,051,914**	**2,689,005**	**3,190,078**	**3,190,078**
Total Surface Water Outflow	**3,052,409**	**2,689,547**	**3,191,274**	**3,191,273**

[a] Derived from calibrated groundwater model presented in **Appendix 6.E**; based on transient (1991-2015) groundwater model run; represents final estimate of historical (1991-2015) water budget.

[b] Derived from calibrated groundwater model presented in **Appendix 6.E**; based on the transient (2016-2021 conditions) groundwater model run; represents final estimate of current water budget.

[c] Derived from calibrated groundwater model presented in **Appendix 6.E**; base on the transient (2022-2071) groundwater model run; represents projected future water budget baseline without GSA projects.

[d] Derived from calibrated groundwater model presented in **Appendix 6.E**; base on the transient (2022-2071) groundwater model run; represents projected future water budget baseline with GSA projects.

[e] Total irrigation recharge attributed to imported surface water is 2,350 AFY minus 400 AFY irrigation recharge sourced from groundwater pumping and 125 AFY of irrigation recharge sourced from recycled water.

[f] Total irrigation recharge attributed to imported surface water is 2,350 AFY minus 400 AFY irrigation recharge sourced from groundwater pumping and 200 AFY of irrigation recharge sourced from recycled water.

APPENDIX 2. PLAN AREA AND BASIN SETTING

2.B. Notice and Communication

2.B.a. East Bay Plain Subbasin Stakeholders Communication and Engagement Plan

East Bay Plain Subbasin
Sustainable Groundwater Management

STAKEHOLDER COMMUNICATION & ENGAGEMENT PLAN

April 2018

EAST BAY
MUNICIPAL UTILITY DISTRICT

HAYWARD

Table of Contents

1. Introduction

The Sustainable Groundwater Management Act (SGMA) requires local agencies to form groundwater sustainability agencies by June 30, 2017 and prepare groundwater sustainability plans (GSPs) by January 31, 2022 for medium priority basins. During the GSP preparation process, GSP regulations require public outreach and engagement with basin stakeholders. The purpose of this stakeholder communication and engagement plan (C&E plan) is to outline the process for ensuring public and stakeholders' involvement in the development of the single GSP for the East Bay Plain Subbasin, a medium priority basin which extends across portions of Contra Costa County and Alameda County.

East Bay Plain Subbasin (Basin No. 2-009.04) is bound by the Hayward Fault zone in the east and the San Francisco Bay in the north and the west. In the south, it is located adjacent to the Nile Cones Subbasin (Basin No. 2-009.01). Figure 1 indicates the portions of the East Bay Plain Subbasin covered by EBMUD and the City of Hayward as the Groundwater Sustainability Agency (GSA) in their respective areas. On November 6, 2017, EBMUD and the City of Hayward filed a notification of intent to collaboratively develop a single Groundwater Sustainability Plan (GSP) for the entire Subbasin. EBMUD and the City of Hayward will jointly implement stakeholder communication and engagement activities for the Subbasin and both are referenced in this document as GSAs.

SGMA requires public notifications and hearings, as well as active stakeholder communication and engagement in GSP development. EBMUD and the City of Hayward's websites (www.ebmud.com/sgma and www.hayward-ca.gov/sgma) are available for GSAs' current SGMA compliance information, documents, and useful links. Stakeholders can also sign up for the GSAs' SGMA email lists. This C&E plan outlines a roadmap to meet these requirements and more importantly to create common understanding and transparency throughout the GSP preparation and approval process. The GSAs will use this plan to engage with and gather input from various stakeholders to support the development of a single GSP for the East Bay Plain Subbasin.

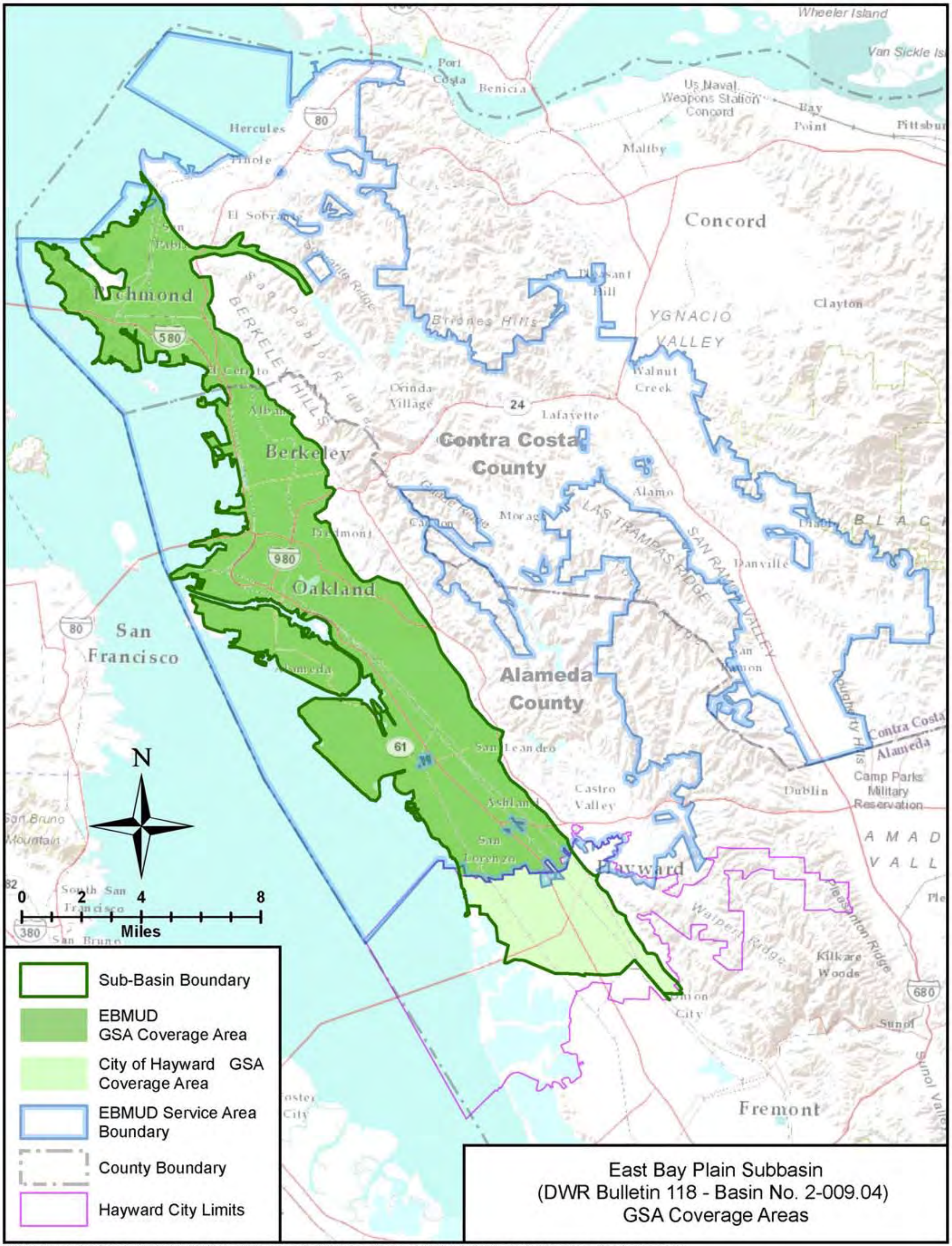

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Figure 1. GSA Coverage Area

2. Objectives

In compliance with GSP Regulations (Section 354.10), the objectives of this plan are:

1. To explain the GSAs' decision-making process
2. To identify opportunities for public engagement and discuss how public input and response will be used
3. To describe how the GSAs encourage the active involvement of diverse social, cultural, and economic elements of the population within the basin
4. To outline the methods the GSAs shall follow to inform the public about progress implementing the Plan, including the status of projects and actions

3. Stakeholder Communication and Engagement Goal

Our goal is to involve stakeholders and the public throughout the GSP development process to ensure stakeholders' concerns, issues and aspirations are consistently understood and considered in the GSAs' decision-making process.

4. Commitment to the Public and Stakeholders

EBMUD and the City of Hayward are working together to develop a single GSP for the entire East Bay Plain Subbasin. We commit to safeguard our local groundwater resources through sustainable management and to preserve this invaluable water supply source for future generations. We commit to work with stakeholders to ensure that their concerns and inputs are considered in the GSP development.

5. Our Stakeholders

The East Bay Plain Subbasin spans over two counties and several cities with industrial zones, urban areas, transportation corridors, and natural landscape. It covers a wide range of stakeholder interests – general public, land use authorities, private users, urban users, business interests, public agencies, water service providers, and environmental interests.

California Water Code (CWC) §10723.4 requires GSAs to establish and maintain a list of persons interested in receiving notices regarding plan preparation, meeting announcements, and availability of draft plans, maps, and other relevant documents. Any person may request, in writing, to be placed on the list of interested persons. Appendix C includes a tabulated list of stakeholders identified at this time. The stakeholder list will be periodically updated as needed.

6. GSAs Decision-Making Process

Hayward and EBMUD have been approved as the exclusive GSAs for the entire East Bay Plain Subbasin within their respective boundaries. On July 31, 2017 the GSAs entered into a Memorandum of Understanding for coordination and cooperation in planning and implementing SGMA compliance activities for the East Bay Plain Subbasin. On November 6, 2017, EBMUD and the City of Hayward filed a notification of intent to develop a single GSP for the entire Subbasin. The following flow chart shows the East Bay Plain Subbasin GSAs' Joint Decision-Making Process to develop the GSP for the East Bay Plain Subbasin.

As SGMA intended, the GSP development is a locally driven process with stakeholder active participation. Once the draft GSP is submitted for approval, DWR will have authorities to review and approve, approve with modification or reject it entirely. Stakeholders and the public will be given a 90-day window to review and comment on the submitted draft GSP during the DWR's approval process. Upon completion of DWR's review, EBMUD and the City of Hayward will be responsible for finalizing the GSP or modifying it to meet DWR's requirements.

EBMUD GSA

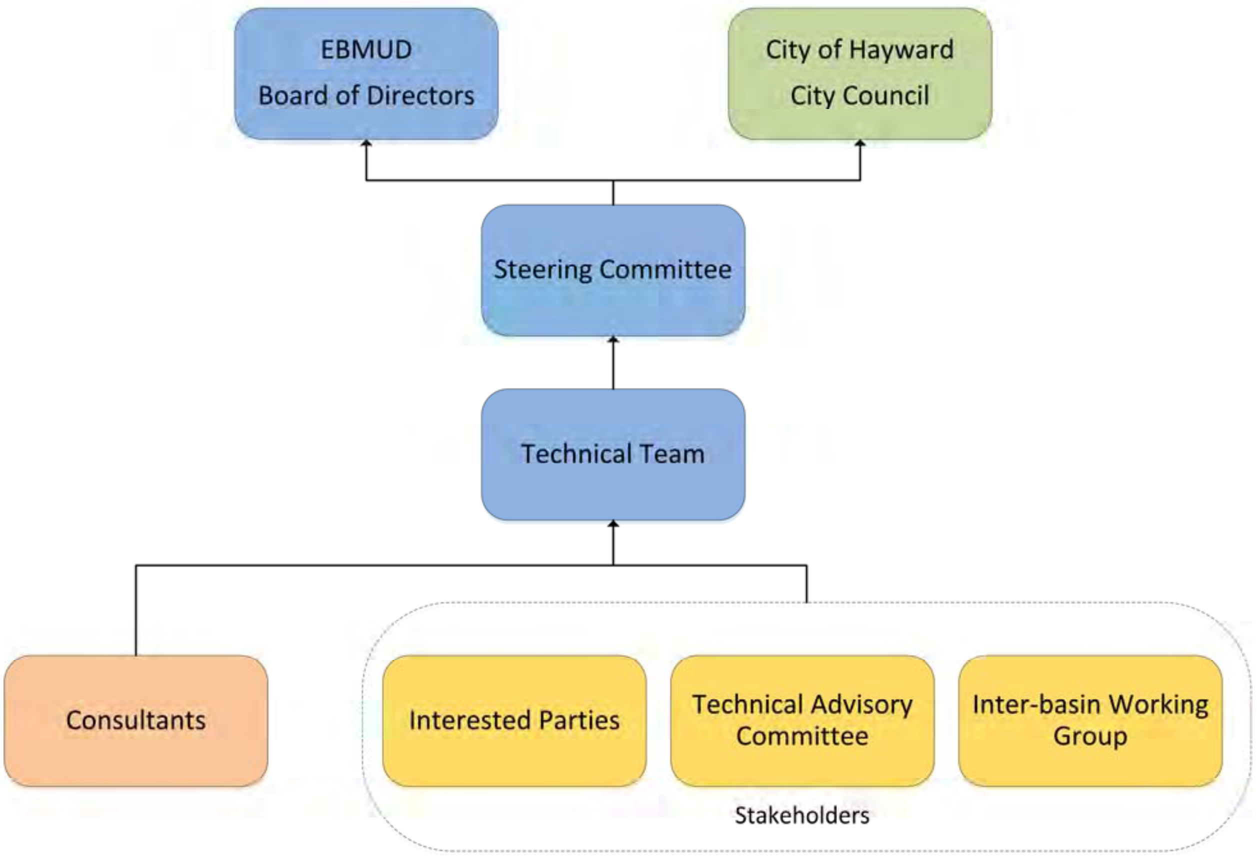
EBMUD is a publicly-owned utility formed under the Municipal Utility District Act (MUD Act) passed by the California Legislature in 1921. The MUD Act, as codified by the Public Utilities Code of the State of California, authorizes the formation and governance of the District. EBMUD has a seven-member Board of Directors publicly elected from wards within the EBMUD service area. The Board is committed to developing policy through an open, public process. The Board of Directors meets twice a month on the second and fourth

Tuesday and at other times as needed. EBMUD Board of Directors will be the governing body of the EBMUD GSA and it will hold ultimate decision-making authority.

Hayward GSA

The City of Hayward is a charter city, governed by a Mayor and six-member City Council, elected at large and representing the entire City. Hayward is committed to community engagement and transparency in decision making. The City Council meets the first, third and fourth Tuesdays of each month at 7 p.m. and will be the governing authority of the Hayward GSA.

East Bay Plain Subbasin GSA'S Joint Decision Making Process



GSAs' Governing Bodies

The GSAs' governing bodies are the **Board of Directors** for EBMUD, and the **Mayor and City Council** for the City of Hayward. These bodies will have ultimate decision-making authority and can override the Steering Committee's recommendations. Stakeholders will have an option to appear before these bodies if they find that their concerns and/or issues were not sufficiently addressed.

Steering Committee

The Steering Committee will be composed of senior staff from the two GSAs who will oversee and guide the Technical Team in developing the GSP. It will also be responsible for briefing the governing bodies of GSAs and seeking approvals.

Technical Team

The Technical Team, consisting of staff from EBMUD and the City of Hayward, is responsible for developing the GSP, overseeing consultants and managing the entire GSP development and associated projects. The Technical Team will actively engage with all stakeholders. It will be also keep the Steering Committee updated and make recommendations at key decision points.

Consultants

A team of consultants will conduct technical studies and investigations, including groundwater modeling, and draft the GSP documents. The Technical Team will oversee the consultant work and manage the GSP development project.

Public/Interested Parties

This category will cover most of the stakeholders. Members of the public and interested parties from the Subbasin area can participate in public meetings and hearings, and communicate with GSA staff to provide input, obtain information, and review and comment on GSP documents. The Technical Team will take public input into consideration in developing the GSP.

Technical Advisory Committee (TAC)

The TAC will be comprised of individuals who have relevant technical backgrounds related to groundwater or water supply management, including groundwater users, regulators, environmental specialists and researchers. The role of the TAC team is to review technical work products, comment and offer recommendations.

GSAs will seek out individuals with technical expertise to serve on the TAC. TAC members will analyze groundwater sustainability plan components including modeling studies and make recommendations to the GSP Technical Team in its effort to achieve groundwater sustainability in the East Bay Plain Subbasin. Each member will be chosen for their experience as well as the diversity of their perspective. GSAs' Technical Team will consider these comments and recommendations in the decision-making process.

TAC Formation Process:

- Interested applicants will be asked to complete a brief statement of interest and qualifications. (See Attachment B)
- Technical Team will review statements and recommend individuals with relevant expertise and experience. Efforts will be made to ensure a broad range of environmental, science, academic, technical and other fields, as well as diversity in perspectives.
- Steering Committee will make final decisions on TAC members.
- TAC members will be asked to participate in orientation session to review the mission, objectives, ground rules and decision-making process.

Inter-basin Working Group (IWG)

The IWG will be comprised of representatives from neighboring basins/subbasins and regional groundwater interests. The IWG will receive GSP development updates, information and data sharing, SGMA compliance coordination and opportunities to provide input.

7. How can members of the public and stakeholders get involved in the sustainable groundwater management process?

The sustainable groundwater management process includes the groundwater sustainability plan (GSP) development for the East Bay Plain Subbasin and implementing the GSP. Public and stakeholder participation is vital to the development of a GSP. A first step is to review the content on the websites (www.ebmud.com/sgma and www.hayward-ca.gov/sgma) and sign up for the GSAs' SGMA email lists. Stakeholder meetings are scheduled on a regular basis to provide information to the public and opportunities to ask questions and make suggestions. These will be posted on the websites and announced via email.

The GSP Development Process for the East Bay Subbasin (Figure 2) shows key tasks and their relationship in developing the GSP. The key tasks of GSP development will include conducting technical studies, especially groundwater modeling, defining the subbasin's characteristics, accounting for current and planned groundwater uses, considering groundwater dependent ecosystems (GDEs), incorporating land use planning and developing sustainable management criteria. As shown on the Figure 2, technical and policy decision making will be interconnected.

Appendix A includes a preliminary schedule showing completed milestones and planned stakeholder C&E activities. As shown on the schedule, stakeholder meetings will be held at regular intervals, and the TAC will meet more frequently. In addition, Technical Team staff will be available throughout the process to communicate and engage with stakeholders and the public.

Members of the public and stakeholders can be involved in GSP development by providing input throughout the process of completing these tasks. Periodic updates and materials will be posted on the SGMA web pages and presented at the meetings for stakeholder review and comment throughout the process.

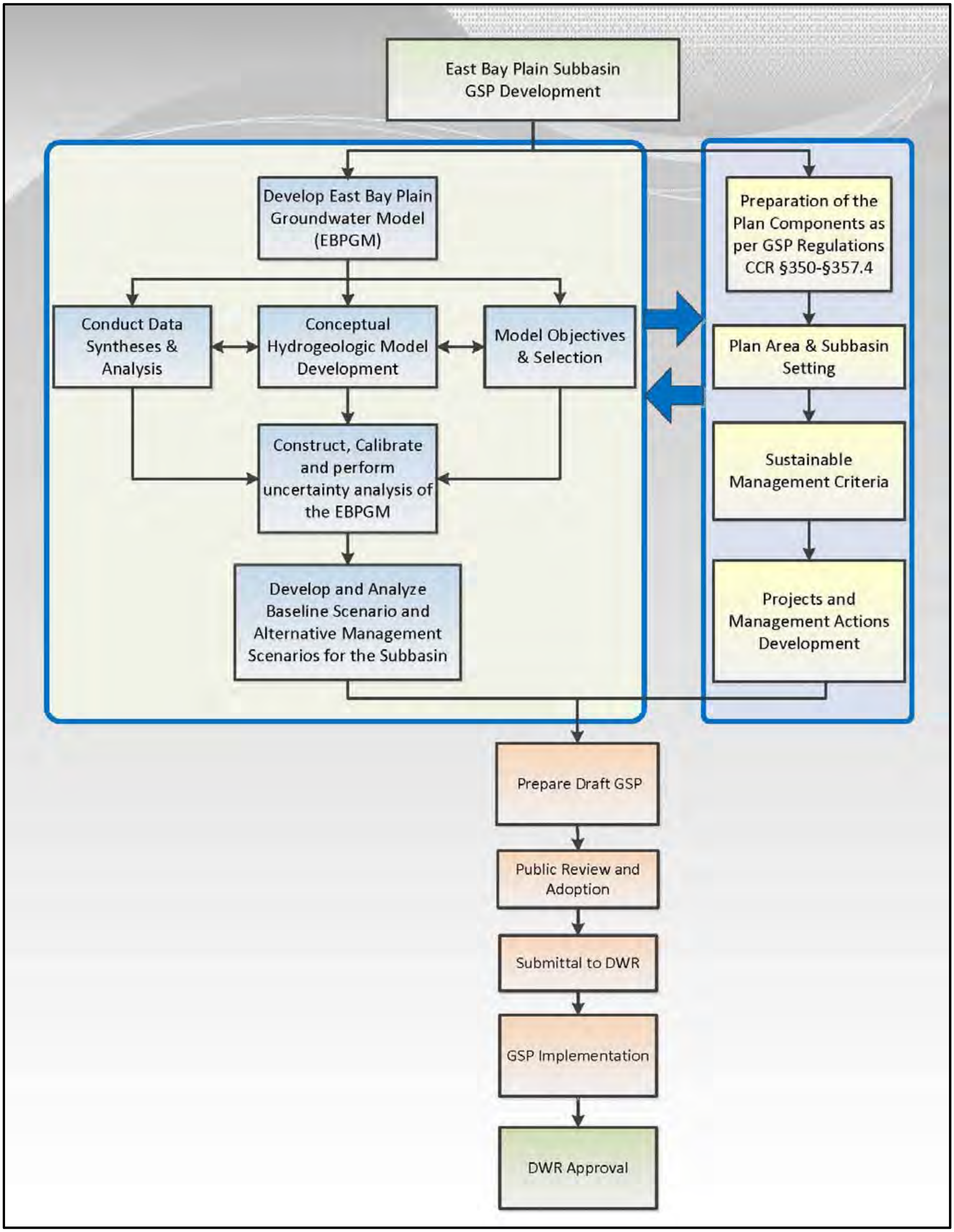


Figure 2. GSP Development Process

8. Desired Outcomes

What are we trying to accomplish?

We aim to make opportunities available for stakeholders to provide input during development of a GSP, and ensure the GSP accounts for and considers stakeholder input appropriately.

How will we know if we are successful?

We will be successful when various stakeholders have opportunities to provide their input, ask questions, receive up-to-date information, and comment on draft documents.

What are the challenges or barriers?

One of the challenges is making a complete list of stakeholders and being able to effectively communicate with them. We will make every effort to reach stakeholders and expand the list.

What are the opportunities for communication and engagement?

Available communication and engagement opportunities for stakeholders and the public include public hearings, communicating through EBMUD and the City of Hayward's SGMA webpages, updates via social media platforms, periodic public stakeholder meetings, correspondence, phone calls, emails, individual meetings, updates and newsletters.

What is the timeframe?

GSP development will take place starting in spring 2018 and progress through summer 2021. During that period, stakeholder communication and engagement will be a continuous process including the public review period for GSP approval.

When will public input be relevant?

During GSP development, public input will be most relevant when we are framing the scope of studies, setting sustainability criteria, developing management actions, identifying groundwater dependent ecosystems, collecting existing and planned groundwater use information and during public review of the draft GSP prior to the California Department of Water Resources' (DWR) approval.

How will public input be used?

GSP Regulations (Section 355.4) require that GSA's consider the interests of the beneficial uses and users of groundwater in the basin. In addition, we will consider the effects on land use and property interests from the GSP. Public input is essential in understanding and considering these interests and effects.

During the GSP review and approval process, DWR will take into account public comments when determining whether or not interests within the basin have been considered in the development and implementation of the GSP (Section 353.8).

9. Communication and Engagement Venues

Stakeholder communication and engagement will take place Subbasin-wide and for GSA area-specific stakeholders. Each GSA area may include a set of stakeholders with specific interests relevant only to a particular GSA or management area. Each GSA will decide required levels of communication for its own GSA area and engage with these stakeholders in its GSA area and management areas as appropriate. For Subbasin-wide interests and issues, EBMUD and Hayward will jointly communicate with all stakeholders.

Stakeholder communication and engagement will be conducted through multiple venues including newspaper advertisements, public hearings, individual and group meetings, interactive webpages, social media posts, telephone, and email communication. Following are the description of these venues:

SGMA Web Portal

Dedicated SGMA webpages for each GSA are actively updated and accessible at www.ebmud.com/sgma and https://www.hayward-ca.gov/content/sustainable-groundwater-management. The webpages are designed to provide background information, maps, documents, status updates, useful links, contact information and a means of communicating between GSAs and the public.

Social Media Platforms

EBMUD uses Twitter, Nextdoor and as of March 2018, Facebook social media platforms to disseminate information to the public. Hayward utilizes Twitter, Facebook and electronic newsletters as communication vehicles. Both GSAs will use existing social media platforms, as well as potential new platforms as they become available, to update followers on SGMA compliance activities as appropriate.

Public Hearings

Notices of public hearings are published in local newspapers informing the public on meeting information, subject, and how to provide comments prior to decision-making.

Individual Meetings

Upon request, GSA staff are available to meet with interested parties to discuss the SGMA compliance activities or receive input.

Stakeholder Outreach Meetings

Currently, stakeholder outreach meetings are held twice annually in the first and third quarters of calendar years. Meeting invitations are sent out to individuals and entities on the stakeholder mailing list, and information is also posted on the websites and social media platforms. These meetings will cover a broad range of agenda items including GSP development updates, technical studies, environmental topics, and any stakeholder interests. If necessary, follow-up meetings could be scheduled to focus particular topics.

Technical Advisory Committee Meetings

The Technical Advisory Committee is a working group which will review technical work products and meet more frequently. The meetings may be conducted through web conferencing as well as in-person meetings.

Inter-basin Working Group (IWG) Meetings

Members of IWG can participate in regularly scheduled stakeholders meetings as well as individual meetings with GSAs as necessary. In addition, IWG meetings will be held at regular intervals to provide updates and coordinate with members.

EBMUD Board of Directors Meeting

The EBMUD Board of Directors generally meets on the second and fourth Tuesday of the month. The Board's meeting agenda is published in advance and includes a public comment item where members of public can provide comments on EBMUD's business.

City of Hayward City Council Meeting

The City Council meets the first, third and fourth Tuesdays of each month at 7 p.m. in Council Chambers, 2nd Floor of 777 B Street, Hayward, CA 94541. The City Council meeting agenda includes a public comment period when members of the public can provide comments on matters related to the City.

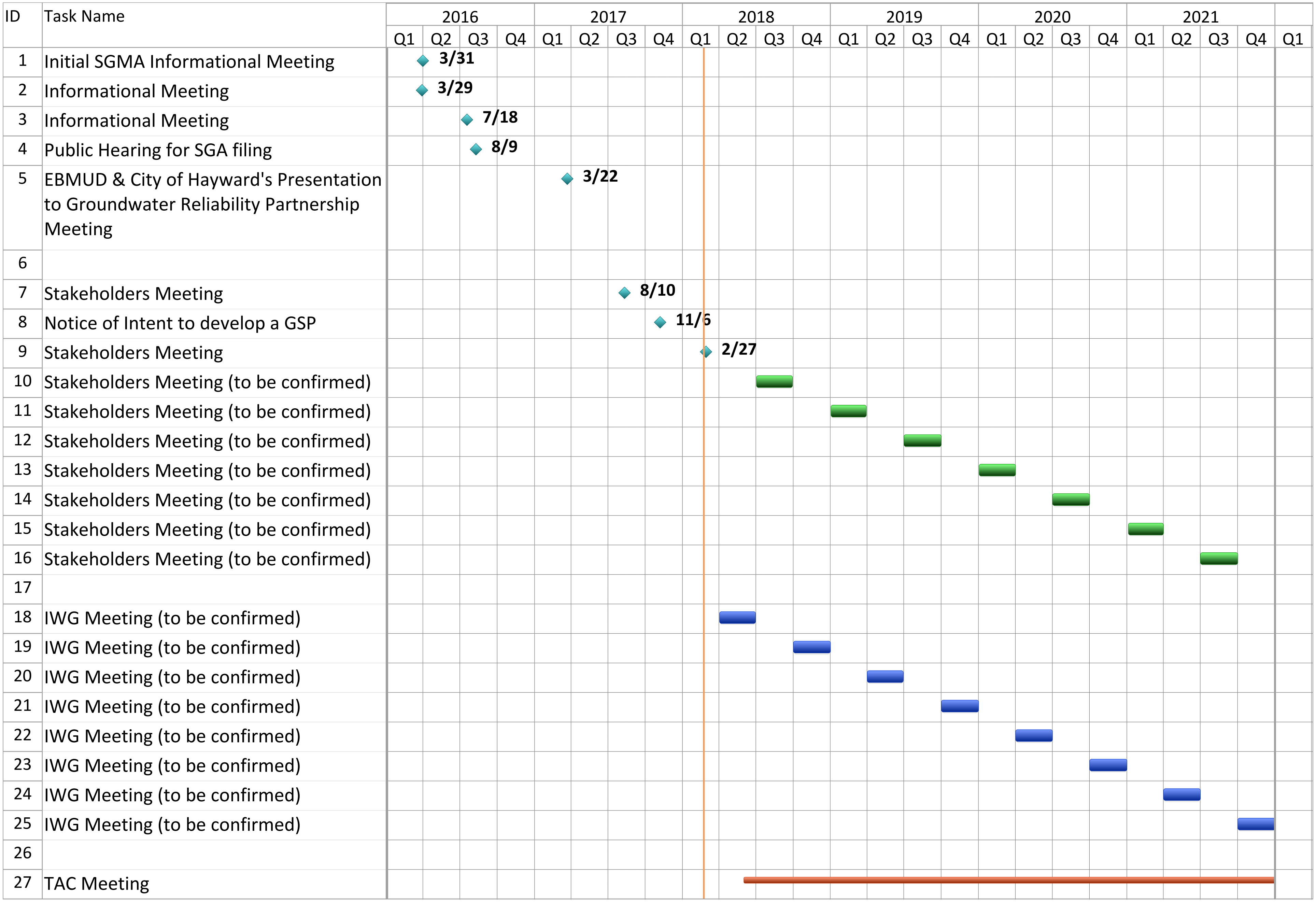
10. Summary

Stakeholder communication and outreach activities are essential in GSP development. Only through effective communication and outreach, we will be able to ensure those stakeholders' concerns, issues and aspirations are consistently understood and considered in the GSAs' decision-making process.

Moreover, the stakeholder C&E process will be ongoing, starting with GSP development and through implementation of the approved GSP for the East Bay Plain Subbasin. As in GSP development, periodic reviews and adjustments of the C&E process may be necessary. The ultimate goal is to develop and implement a robust stakeholder C&E process so we may achieve sustainability in managing our valuable local groundwater resource for future generations.

Appendix A: Preliminary Schedule

Preliminary East Bay Plain Subbasin Stakeholder Communication & Outreach Plan Implementation



ID	Task Name
1	Initial SGMA Informational Meeting
2	Informational Meeting
3	Informational Meeting
4	Public Hearing for SGA filing
5	EBMUD & City of Hayward's Presentation to Groundwater Reliability Partnership Meeting
6	
7	Stakeholders Meeting
8	Notice of Intent to develop a GSP
9	Stakeholders Meeting
10	Stakeholders Meeting (to be confirmed)
11	Stakeholders Meeting (to be confirmed)
12	Stakeholders Meeting (to be confirmed)
13	Stakeholders Meeting (to be confirmed)
14	Stakeholders Meeting (to be confirmed)
15	Stakeholders Meeting (to be confirmed)
16	Stakeholders Meeting (to be confirmed)
17	
18	IWG Meeting (to be confirmed)
19	IWG Meeting (to be confirmed)
20	IWG Meeting (to be confirmed)
21	IWG Meeting (to be confirmed)
22	IWG Meeting (to be confirmed)
23	IWG Meeting (to be confirmed)
24	IWG Meeting (to be confirmed)
25	IWG Meeting (to be confirmed)
26	
27	TAC Meeting

Note: Individual meeting date will be finalized prior to each meeting.

Appendix B: TAC Statement of Interest and Qualifications

East Bay Plain Subbasin Groundwater Sustainability Plan (GSP) Development

APPLICATION FOR APPOINTMENT TO THE GSP Technical Advisory Committee (TAC)
Applications will be accepted from stakeholders of the East Bay Plain Groundwater Basin boundary.
A boundary map is available at: www.ebmud.com/sgma
Application Deadline is 4:00 PM Pacific Time on (to be determined)

NAME____DATE _______________________

RESIDENCE ADDRESS____________________________CITY____________ ZIP___________

DAYTIME PHONE________________EMAIL____________________________

EMPLOYER___________________________ OCCUPATION __________________________

When are you available to attend committee meetings?

Weekday Mornings		Weekday Afternoons		Weekday Evenings

GROUNDWATER SUSTAINABILITY PLAN TECHNICAL ADVISORY COMMITTEE PURPOSE

The Groundwater Sustainability Plan (GSP) Technical Advisory Committee will be responsible for reviewing the scope of work, draft products and materials prepared by consultants, analyzing them and providing recommendations to the GSP Technical Team to develop a technically sound GSP. The East Bay Plain Subbasin Stakeholder Communication and Engagement Plan (C&E Plan) outlines further details. The draft C&E Plan is available at http:/www.ebmud.com/sgma.

The members of the TAC will be selected to represent GSP-related subject areas, including but not limited to environmental, technical, and land use planning fields. GSP TAC members will work collaboratively with EBMUD and the City of Hayward staff.

Participation in the TAC is a volunteer activity and participants' time for the TAC activities will not be compensated by the GSAs. The TAC will meet on a more frequent interval than the stakeholder meetings depending upon need for reviews. Participants must be available to attend regular TAC meetings, review the materials, and provide recommendations, in accordance with deadlines, from July 2018 through January 2022. Specific time commitments to complete the work will vary throughout the process.

Personal information on this form will become a matter of public record subject to disclosure under the California Public Records Act (California Government Code section 6250 et. seq.).

Supplemental Questionnaire

(Attach additional sheets as needed, please do not exceed 4 additional pages total)

1. Describe why you are interested in participating in the Groundwater Sustainability Plan Technical Advisory Committee?

2. Describe your qualifications and any experience you feel would help in your service on the Groundwater Sustainability Plan Technical Advisory Committee. (You may attach extra pages.)

3. Is there any additional information you would like to add?

I certify the information submitted is true, accurate, and complete.

____
Applicant’s Signature

Application Deadline is 4:00 PM Pacific Time on (to be determined)

Signed applications may be submitted electronically (via email) or hard copy to:

EBMUD
Attn: Ken Minn
375 11th Street MS 407
Oakland, CA 94607
Kenneth.minn@ebmud.com

Appendix C: Stakeholders List

Inbasin Stakeholder Engagement Chart for GSP Development

Updated
4/5/2018

Category of Interest	Examples of Stakeholder Groups	Engagement purpose	GSA Area	Name		Email	Organization	Notes
General Public	• Citizens groups • Community leader • Consultants	Inform to improve public awareness of sustainable groundwater management	EBMUD	Chung	Christy	christy_chung@berkeley.edu	Public	
			EBMUD	Gilbert	Chris	chris@gilbertbiz.com	Public	
			EBMUD	Johnson	Nick	johnsonn@exponent.com	Exponent	
			EBMUD	Jordan	Preston	pdjordan@lbl.gov	Lawrence Berkeley Lab	
			EBMUD	Newcomer	Michelle	mnewcomer@lbl.gov	Lawrence Berkeley Lab	
			EBMUD	Nico	Peter	psnico@lbl.gov	Lawrence Berkeley Lab	
			EBMUD	Scarpa	Maggie	mscarpa@mail.csuchico.edu	Public	
			EBMUD	Schueler	Margo	schueler890@comcast.net	Public	
			EBMUD	Suplick	Stuart	ssuplick@gmail.com	Public	
			EBMUD	Swift	Linda	dismoreswift@att.net	Public	
			EBMUD	Tang	Jennifer	jennifertang@lbl.gov	Lawrence Berkeley Lab	
			EBMUD	Vanderslice	Gary	gary@lytlewater.com	Lytle Water Solutions LLC	
			EBMUD	Woodbum	Erica	erwoodburn@lbl.gov	Lawrence Berkeley Lab	
			EBMUD	Yep	Ray	RayYep1@gmail.com	Public	
			BOTH	McKinney	Kelye	kmckinney@westyost.com	West Yost	
			EBMUD	Bombard	Michael	michael.bombard@GHD.com	GHD	
			BOTH	Barnes	Nancy	nancy.barnes@stantec.com	Stantec	
Land Use	• Municipalities (City, County planning depts.) • Regional land use agencies	Consult and involve to ensure land use policies are supporting GSPs	Hayward	Ackerman	Hank	hank@acpwa.org	Alameda County Public Works	
			Hayward	Ameri	Alex	Alex.Ameri@hayward-ca.gov	City of Hayward	
			Hayward	Attiogbe	Kwablah	kwablah@acpwa.org	Alameda County Public Works	
			EBMUD	Barros	Sally	sbarros@sanleandro.org	City of San Leandro	
			EBMUD	Bond	Jeff	jbond@albanyca.org	City of Albany	
			EBMUD	Burroughs	Timothy	tburroughs@cityofberkeley.info	City of Berkeley	
			EBMUD	Buttress	Michelle	mbuttress@cityofberkeley.info	City of Berkeley	
			EBMUD	Clough	Andres	aclough@emeryville.org	City of Emeryville	
			EBMUD	Cooke	Keith	kcooke@sanleandro.org	City of San Leandro	
			EBMUD	Desai	Miroo	mdesai@emeryville.org	City of Emeryville	
			EBMUD	Drogos	Donna	donna.drogos@acgov.org	County of Alameda	
			EBMUD	Gilchrist	William	wgilchrist@oaklandnet.com	City of Oakland	
			EBMUD	Harrington	Phil	pharrington@CityofBerkeley.info	City of Berkeley	
			EBMUD	Hernandez	Ryan	ryan.hernandez@dcd.cccounty.us	Contra Costa County Water Agency	
			EBMUD	Hitchen	Jon	johnhitchen@outlook.com	City of Berkeley Public Works	
			EBMUD	Humphrey	Nancy	nhumphrey@emeryville.org	City of Emeryville	
			EBMUD	Hurley	Mark	mhurley@albanyca.gov	City of Albany	
			EBMUD	Jackson	Kevin	kjakcson@piedmont.ca.gov	City of Piedmont	
			EBMUD	Kavanaugh-Lynch	Margaret	mkavanaugh-lynch@ci.el-cerrito.ca.us	City of El Cerrito	
			EBMUD	Lee	Jan	Jan.Lee@hayward-ca.gov	City of Hayward	
			EBMUD	Levin	Brooke	blevin@oakland.net	City of Oakland	
			EBMUD	Mitchell	Richard	Richard_Mitchell@ci.richmond.ca.us	City of Richmond	
			EBMUD	Mogensen	Andrew	amogensen@sanleandro.org	City of San Leandro	
			EBMUD	Mosher	Marilyn	marilyn.mosher@hayward-ca.gov	City of Hayward	
			EBMUD	Nakahara	Chester	cnakahara@ci.piedmont.ca.us	City of Piedmont	
			EBMUD	Ortiz	Yveteh	yortiz@ci.el-cerrito.ca.us	City of El Cerrito	
			EBMUD	Pollart	Debbie	dpollart@sanleandro.org	City of San Leandro	
			EBMUD	Rodriguez	Michele	micheler@sanpabloca.gov	City of San Pablo	

Inbasin Stakeholder Engagement Chart for GSP Development

Updated
4/5/2018

Category of Interest	Examples of Stakeholder Groups	Engagement purpose	GSA Area	Name		Email	Organization	Notes
Land Use	• Municipalities (City, County • Regional land use agencies	Consult and involve to ensure land use policies are supporting GSPs	EBMUD	Ruark	Tom	p-wdirector@unioncity.org	City of Union City	
			EBMUD	Samkian	Karineh	KarinehS@sanpabloca.gov	City of San Pablo	
			EBMUD	Smith	Erin	ESmith@alamedaca.gov	City of Alameda	
			EBMUD	Smith	Dale	dsmith4@oaklandnet.com	City of Oakland	
			EBMUD	Smith	Ryan	ryan_smith@ci.richmond.ca.us	City of Richmond	
			EBMUD	Stamps	Jamar	jamar.stamps@dcd.cccounty.us	Contra Costa County Conservation and Development	
			EBMUD	Tai	Allen	atai@alamedaca.gov	City of Alameda	
			EBMUD	Tom	Caroline	caroline.tom@pw.cccounty.us	Contra Costa County Public Works	
			EBMUD	Varnagen	Liz	greenhagen@mac.com	City of Berkeley	
			EBMUD	Woldesenbet	Daniel	Daniel.Woldesenbet@acgov.org	County of Alameda	
			EBMUD	Yeager	Christy	cyeager@piedmont.ca.gov	City of Piedmont	
			Hayward	Yoo	James	jamesy@acpwa.org	Alameda County Public Works	
Private users	• Private pumpers • Domestic users • Schools and colleges • Hospitals	Inform and involve to avoid negative impact to these users	Hayward	Blevins	Walter	wblevins@clpccd.org	Chabot College	
			EBMUD	DeLoa	Seve	seved@cfcsoakland.org	St. Joseph's Cemetery	
			EBMUD	Freightman	Ralph	rfreightman@myrichmondcc.org	Richmond Country Club	
			Hayward	Giammona	Daniel	Giad@haywardrec.org	Hayward Area Park and Recreation District	
			EBMUD	Ingram	Gary	gingram@playmetro.com	Metropolitan Golf Course	
			EBMUD	Kerrigan	Aaron	akerrigan@slusd.us	San Leandro Unified School Disrict	
			EBMUD	Moe	Henry	maintenance@salesian.com	Salesian Highschool	
			EBMUD	Mueller	Bryan	bryan.mueller@carriageservices.com	Rolling Hills Memorial Park	
			EBMUD	Pyle	Ray	rpyle@4cd.edu	Contra Costa College	
			Hayward	Rivera	Randy	randy.rivera@chapelofthechimes.com	Chapel of the Chimes	
			EBMUD	Robason	Mike	mrobason@playmetro.com	Metropolitan Golf Course	
			EBMUD	Trudel	Henry	htrudel@mail.cho.org	Childrens Hospital Oakland	
			EBMUD	Winkenbach	Mike	mike@coricapark.com	Chuck Corica Golf Course	
			EBMUD	Winkler	Barry	bwinkler@mail.cho.org	Childrens Hospital Oakland	
			Hayward	Zabel	Karineh	Zabk@haywardrec.org	Hayward Area Park and Recreation District	
Urban/ Agriculture users	• Water agencies • Irrigation districts • Municipal water companies • Resource conservation districts • Farmers/Farm Bureaus	Collaborate to ensure sustainable management of groundwater	BOTH	Chen	Eileen	eileen.chen@acwd.com	Alameda County Water District	
			BOTH	de la Piedra	Vanessa	vdelapiedra@valleywater.org	Santa Clara Valley Water District	
			BOTH	Ice	Charles	cice@smcgov.org	County of San Mateo	
			BOTH	Inn	Steven	Steven.Inn@acwd.com	Alameda County Water District	
			BOTH	Katen	Matt	Mkaten@zone7water.com	Zone 7 Water Agency	
			EBMUD	Minn	Ken	ken.minn@ebmud.com	EBMUD	
			BOTH	Myers	Michelle	Michelle.Myers@acwd.com	Alameda County Water District	
			EBMUD	Sykes	Richard	richard.sykes@ebmud.com	EBMUD	
			EBMUD	Tognolini	Mike	michael.tognolini@ebmud.com	EBMUD	
			EBMUD	Towey	Alice	alice.towey@ebmud.com	EBMUD	
			EBMUD	Underwood	Amy	amy@ebmud.com	EBMUD	
			EBMUD	Warner	Jason	jwarner@oroloma.org	OroLoma Sanitary District	

Inbasin Stakeholder Engagement Chart for GSP Development

Updated
4/5/2018

Category of Interest	Examples of Stakeholder Groups	Engagement purpose	GSA Area	Name		Email	Organization	Notes
Industrial users	• Commercial and industrial self-supplier • Local trade association or group	Inform and involve to avoid negative impact to these users	EBMUD	Chan	Chris	cchan@portoakland.com	Port of Oakland	
			EBMUD	Nguyen	Liem	lnguyen@portofoakland.com	Port of Oakland	
			EBMUD	Sinkoff	Richard	rsinkoff@portoakland.com	Port of Oakland	
Environmental and Ecosystem	• Federal and State agencies • Wetland managers • Environmental groups	Inform and involve to sustain a vital ecosystem	BOTH	Albert	Heinrich	heinrich.albert@outlook.com	Sierra Club	
			BOTH	Clary	Jennifer	jclary@cleanwater.org	Clean Water Action	
			BOTH	Diermayer	Sonia	sodier@mindspring.com	Sierra Club	
			BOTH	Karpowicz	Alyx	alyx.karpowicz@waterboards.ca.gov	SF Regional Water Quality Board	
			BOTH	McInerney	Maya	maya.mcinerney@waterboard.ca.gov	SF Regional Water Quality Board	
			BOTH	Whitley	Bob	bwhitley@westyost.com	East Bay Leadership Council Water Task Force	
Economic Development	• Chambers of commerce • Business groups/associations • Elected officials (Board of Supv.,City Council) • State Assembly members • State Senators	Inform and involve to support a stable economy	EBMUD	Abelson	Janet	jabelson@ci.el-cerrito.ca.us	City of El Cerrito	
			EBMUD	Anderson	Candace	supervisor_anderson@bos.cccounty.us	Board of Supervisors Contra Costa County	
			EBMUD	Arreguin	Jesse	mayor@cityofberkeley.info	City of Berkeley	
			EBMUD	Burgis	Diane	supervisor_burgis@bos.cccounty.us	Board of Supervisors Contra Costa County	
			EBMUD	Butt	Tom	tom.butt@intres.com	City of Richmond	
			EBMUD	Carson	Keith	keith.carson@acgov.org	Board of Supervisors Contra Costa County	
			EBMUD	Chan	Wilma	wilma.chan@acgov.org	Board of Supervisors Contra Costa County	
			EBMUD	Donahue	Scott	sdonahue@emeryville.org	City of Emeryville	
			EBMUD	Gioia	John	supervisor_gioia@bos.cccounty.us	Board of Supervisors Contra Costa County	
			EBMUD	Glover	Federal	supervisor_glover@bos.cccounty.us	Board of Supervisors Contra Costa County	
			BOTH	Haggerty	Scott	scott.haggerty@acgov.org	Board of Supervisors Alameda County	
			EBMUD	Herrera Spencer	Trish	tspencer@alamedaca.gov	City of Alameda	
			EBMUD	Martinez	Eduardo	richcityservant@gmail.com	City of Richmond	
			EBMUD	McBain	Robert	rmcbain@piedmont.ca.gov	City of Piedmont	
			EBMUD	McQuaid	Peggy	pmcquaid@albanyca.org	City of Albany	
			BOTH	Miley	Nathan	nathan.miley@acgov.org	Board of Supervisors Alameda County	
			EBMUD	Mitchoff	Karen	supervisor_mitchoff@bos.cccounty.us	Board of Supervisors Contra Costa County	
			EBMUD	Russo Cutter	Pauline	pcutter@sanleandro.org	City of San Leandro	
			EBMUD	Schaaf	Libby	officeofthemayor@oaklandnet.com	City of Oakland	
			EBMUD	Valdez	Cecelia	CeciliaV@sanpabloca.gov	City of San Pablo	
			BOTH	Valle	Richard	richard.valle@acgov.org	Board of Supervisors Alameda County	
Human right to water	• Disadvantaged Communities • Small community systems • Environmental Justice Groups	Inform and involve to provide a safe and secure groundwater supplies to DACs	BOTH	Ghoghaie	Nahal	nahal@ejcw.org	Environmental Justice Coalition for Water	

Inbasin Stakeholder Engagement Chart for GSP Development

Updated
4/5/2018

Category of Interest	Examples of Stakeholder Groups	Engagement purpose	GSA Area	Name		Email	Organization	Notes
Tribes	• Tribal Government	Inform, involve and consult with tribal government (See Engagement with Tribal Governments Guidance Document)	EBMUD	-	-	info@homelandforlytton.com	Lytton Band of Pomo Indians	No groundwater used
Federal lands	• Military bases/Department of Defense • Forest service • National Park Services	Inform, involve and collaborate to ensure basin sustainability	EBMUD	Alameda Naval Air Station		info@alamedanavalairmuseum.org	Alameda Naval Air Station	
			EBMUD	Monetta	John	jmonetta@oaklandnet.com	Oakland Army Base	
Integrated Water Management	• Regional water management groups (IRWM regions) • Flood agencies • Recycled water coalition	Inform, involve and collaborate to improve regional sustainability	BOTH	Arnold	Brad	barnold@water.ca.gov	CA Department of Water Resources	
			BOTH	Brewster	Bill	bbrew@water.ca.gov	CA Department of Water Resources	
			BOTH	Carr	Adrianne	acarr@bawsca.org	Bay Area Water Supply & Conservation Agency	
			BOTH	Francis	Tom	tfrancis@bawsca.org	Bay Area Water Supply & Conservation Agency	
			BOTH	Wells	Paul	paul.wells@water.ca.gov	CA Department of Water Resources	

APPENDIX 2. PLAN AREA AND BASIN SETTING

2.B. Notice and Communication

2.B.b. East Bay Plain Subbasin Interested Parties List

EBP Subbasin Interested Parties for GSP Development

Updated
9/16/2021

Category of Interest	Examples of Stakeholder Groups	Engagement purpose	GSA Area	Name		TAC Y/N	Email	Organization	Notes
General Public	• Citizens groups • Community leader • Consultants	Inform to improve public awareness of sustainable groundwater management	BOTH	Barnes	Nancy		nancy.barnes@stantec.com	Stantec	
				Benito	Pascual		pascual@hydrometricswri.com	Hyrdrometrics	
			EBMUD	Bombard	Michael		michael.bombard@GHD.com	GHD	
				Brennan	Richard		rbrennan@gmail.com	Public	
			EBMUD	Chung	Christy		christy_chung@berkeley.edu	Public	
			EBMUD	DelGadillo	Brenda	Y	bdelgadillo2@horizon.csueastbay.edu bdelgadillo@lbl.gov	Lawrence Berkeley Lab	
			EBMUD	Gilbert	Chris		chris@gilbertbiz.com	Public	
				Halula	Theresa		theresa_halula@yahoo.com	public	
				Heppner	Chris		cheppner@ekiconsult.com	EKI	
			EBMUD	John/Farmer	Joe	Y	jo@grolutions.us	Public	
			EBMUD	Johnson	Nick		johnsonn@exponent.com	Exponent	
			EBMUD	Jordan	Preston	Y	pdjordan@lbl.gov	Lawrence Berkeley Lab	
				Lawlor	Joseph		cjhjoe@gmail.com	Public	
				Leever	Bill		bleever@brwncald.com	Brown & Caldwell	
			BOTH	McKinney	Kelye		kmckinney@westyost.com	West Yost	
			EBMUD	Newcomer	Michelle	Y	mnewcomer@lbl.gov	Lawrence Berkeley Lab	
			EBMUD	Nico	Peter	Y	psnico@lbl.gov	Lawrence Berkeley Lab	
			EBMUD	Scarpa	Maggie		mscarpa@mail.csuchico.edu	Public	
			EBMUD	Schueler	Margo	Y	schueler890@comcast.net	Berkeley Citizens Commission	
			EBMUD	Suplick	Stuart		ssuplick@gmail.com	Public	
			EBMUD	Swift	Linda		dismoreswift@att.net	Public	
				Tan	Melanie		melanietan@kennedyjenks.com	Kennedy Jenks	
				Tana	Cameron		ctana@elmontgomery.com	Montgomery & Associates	
			EBMUD	Tang	Jennifer		jennifertang@lbl.gov	Lawrence Berkeley Lab	
				Taraszki	Michael		michael.taraszki@woodplc.com	Wood	
			EBMUD	Vanderslice	Gary		gary@lytlewater.com	Lytle Water Solutions LLC	
				Williamson	Mark		mwilliamson@geiconsultants.com	GEI	
			EBMUD	Woodbum	Erica	Y	erwoodburn@lbl.gov	Lawrence Berkeley Lab	
			EBMUD	Yep	Ray		RayYep1@gmail.com	Public	
Land Use	• Municipalities (City, County planning depts.) • Regional land use agencies	Consult and involve to ensure land use policies are supporting GSPs	Hayward	Ackerman	Hank		hank@acpwa.org	Alameda County Public Works	
				Akagi	Daniel		dakagi@cityofberkeley.info	City of Berkeley	
			Hayward	Ameri	Alex		Alex.Ameri@hayward-ca.gov	City of Hayward	
			EBMUD	Bermucez	Yader		yader_bermudez@ci.richmond.ca.us	City of Richmond	
			EBMUD	Bond	Jeff		jbond@albanyca.org	City of Albany	
			EBMUD	Burroughs	Timothy		tburroughs@cityofberkeley.info	City of Berkeley	
			EBMUD	Buttress	Michelle		mbuttress@cityofberkeley.info	City of Berkeley	
			EBMUD	Cooke	Keith		kcooke@sanleandro.org	City of San Leandro	
			EBMUD	Desai	Miroo		mdesai@emeryville.org	City of Emeryville	
			EBMUD	Gilchrist	William		wgilchrist@oaklandnet.com	City of Oakland	
				Gonzales	Daniel		dgonzales@piedmont.ca.gov	City of Piedmont	
			EBMUD	Harrington	Phil		pharrington@CityofBerkeley.info	City of Berkeley	
			EBMUD	Hernandez	Ryan		ryan.hernandez@dcd.cccounty.us	Contra Costa County Water Agency	
			EBMUD	Hitchen	Jon		johnhitchen@outlook.com	City of Berkeley Public Works	
			EBMUD	Hurley	Mark		mhurley@albanyca.gov	City of Albany	
			EBMUD	Jackson	Kevin		kjakcson@piedmont.ca.gov	City of Piedmont	
				Jenson	Justin		jjenson@sanleandro.org	City of San Leandro	
				Kaufman	Maurice		mkaufman@emeryville.org	City of Emeryville	
			EBMUD	Kinstrey	Samantha		skinstrey@cityofberkeley.info	City of Berkeley	
			EBMUD	Levin	Brooke		blevin@oakland.net	City of Oakland	
			EBMUD	Mitchell	Jason		jwmitchell@oaklandca.gov	City of Oakland	
			EBMUD	Mitchell	Richard		Richard_Mitchell@ci.richmond.ca.us	City of Richmond	
			EBMUD	Mogensen	Andrew		amogensen@sanleandro.org	City of San Leandro	
				Mok	Hoi Fei		hfmok@sanleandro.org	City of San Leandro	
				Moss	Sean		smoss@ci.el-cerrito.ca.us	City of El Cerrito	
			EBMUD	Munoz	Cheryl	Y	cheryl.munoz@hayward-ca.gov	City of Hayward	
			EBMUD	Ortiz	Yveteh		yortiz@ci.el-cerrito.ca.us	City of El Cerrito	

EBP Subbasin Interested Parties for GSP Development

Updated

9/16/2021

Category of Interest	Examples of Stakeholder Groups	Engagement purpose	GSA Area	Name		TAC Y/N	Email	Organization	Notes
			EBMUD	Pollart	Debbie		dpollart@sanleandro.org	City of San Leandro	
			EBMUD	Rodriguez	Michele		micheler@sanpabloca.gov	City of San Pablo	
			EBMUD	Samkian	Karineh	**Y**	KarinehS@sanpabloca.gov	City of San Pablo	
			EBMUD	Smith	Erin	**Y**	ESmith@alamedaca.gov	City of Alameda	
			EBMUD	Smith	Dale		dsmith4@oaklandnet.com	City of Oakland	
			EBMUD	Smith	Ryan	**Y**	ryan_smith@ci.richmond.ca.us	City of Richmond	
			EBMUD	Stamps	Jamar	**Y**	jamar.stamps@dcd.cccounty.us	Contra Costa County Conservation and Development	
			EBMUD	Tai	Allen		atai@alamedaca.gov	City of Alameda	
			EBMUD	Tom	Caroline		caroline.tom@pw.cccounty.us	Contra Costa County Public Works	
			EBMUD	Varnagen	Liz		greenhagen@mac.com	City of Berkeley	
			Hayward	Yoo	James	**Y**	jamesy@acpwa.org	Alameda County Public Works	
Private Users	• Private Pumpers • Domestic Users • Schools & College • Hospitals	Inform and involve to avoid negative impact to these users	Hayward	Blevins	Walter		wblevins@clpccd.org	Chabot College	
			EBMUD	DeLoa	Seve		seved@cfcsoakland.org	St. Joseph's Cemetery	
			EBMUD	Freightman	Ralph		rfreightman@myrichmondcc.org	Richmond Country Club	
			Hayward	Giammona	Daniel		Giad@haywardrec.org	Hayward Area Park and Recreation District	
				Gurdak	Jason		jgurdak@sfsu.edu	San Francisco State	
			EBMUD	Ingram	Gary		gingram@playmetro.com	Metropolitan Golf Course	
				Lopez_Narvaez	Ilse		ilopeznarvaez@ucdavis.edu	UC Davis	
			EBMUD	Moe	Henry		maintenance@salesian.com	Salesian Highschool	
			EBMUD	Mueller	Bryan		bryan.mueller@carriageservices.com	Rolling Hills Memorial Park	
				Peterson	Chris		petc@haywardrec.org	Hayward Area Park and Recreation District	
			Hayward	Rivera	Randy		randy.rivera@chapelofthechimes.com	Chapel of the Chimes	
			EBMUD	Robason	Mike		mrobason@playmetro.com	Metropolitan Golf Course	
			EBMUD	Souza	Mike		msouza@myrichmondcc.org	Richmond Country Club	
			EBMUD	Winkenbach	Mike		mike@coricapark.com	Chuck Corica Golf Course	
			Hayward	Zabel	Karineh		Zabk@haywardrec.org	Hayward Area Park and Recreation District	
				Zildic	Ines		izildzic@4cd.edu	Contra Costa Community College District	
					Fernando		fernandoc@cfcsoakland.org	Holy Sepulchre Cemetary & Funeral Center	
Urban/ Agriculture users	• Water agencies • Irrigation districts • Municipal water companies • Resource conservation districts • Farmers/Farm Bureaus	Collaborate to ensure sustainable management of groundwater	BOTH	Chen	Eileen		eileen.chen@acwd.com	Alameda County Water District	
			BOTH	de la Piedra	Vanessa		vdelapiedra@valleywater.org	Santa Clara Valley Water District	
				Hidas	Laura		laura.hidas@acwd.com	Alameda County Water District	
			BOTH	Hu	Linda	**Y**	linda.hu@ebmud.com	EBMUD	
			BOTH	Ice	Charles		cice@smcgov.org	County of San Mateo	
			BOTH	Mahoney	Carol		cmahoney@zone7water.com	Zone 7 Water Agency	
			EBMUD	Ledesma	Brad	**Y**	Bradley.ledesma@ebmud.com	EBMUD	
			BOTH	Myers	Michelle		Michelle.Myers@acwd.com	Alameda County Water District	
			EBMUD	Su	Grace	**Y**	Grace.su@ebmud.com	EBMUD	
			EBMUD	Tognolini	Mike		michael.tognolini@ebmud.com	EBMUD	
			EBMUD	Underwood	Amy		amy@ebmud.com	EBMUD	
			EBMUD	Warner	Jason		jwarner@oroloma.org	OroLoma Sanitary District	
Industrial Users	Commercial and industrial self-supplier Local trade association or group	Inform and involve to avoid negative impact to these users	EBMUD	Novack	Jan		jnovak@portoakland.com	Port of Oakland	
				Dunne	Maureen		maureen.dunn@chevron.com	Chevron	
				Kristy	McKenney		kmckenney@portoakland.com	Port of Oakland	
			EBMUD	Nguyen	Liem		lnguyen@portofoakland.com	Port of Oakland	
			EBMUD	Sinkoff	Richard		rsinkoff@portoakland.com	Port of Oakland	
Environmental and Ecosystem	• Federal and State agencies • Wetland managers • Environmental groups	Inform and involve to sustain a vital ecosystem	BOTH	Albert	Heinrich		heinrich.albert@outlook.com	Sierra Club	
				Cheng	Nicole		nicole@climateplan.org	Climate Plan	
			BOTH	Clary	Jennifer		jclary@cleanwater.org	Clean Water Action	
			BOTH	Diermayer	Sonia		sodier@mindspring.com	Sierra Club	
				Karachewski	John		john.karachewski@dtsc.ca.gov	CA Dept of Toxic Substance Control	
			BOTH	Karpowicz	Alyx	**Y**	alyx.karpowicz@waterboards.ca.gov	SF Regional Water Quality Board	
				Maxfield	Jessica		jessica.maxfield@wildlife.ca.gov	California Dept. of Fish & Wildlife	
			BOTH	McInerney	Maya		maya.mcinerney@waterboards.ca.gov	SF Regional Water Quality Board	
			BOTH	Rohde	Melissa		tncgroundwater@gmail.com	The Nature Conservancy	
			BOTH	Seapy	Brianna		groundwater@wildlife.ca.gov	California Dept. of Fish & Wildlife	
				Whitley	Bob		bwhitley@westyost.com	East Bay Leadership Council Water Task Force	

EBP Subbasin Interested Parties for GSP Development

Updated

9/16/2021

Category of Interest	Examples of Stakeholder Groups	Engagement purpose	GSA Area	Name		TAC Y/N	Email	Organization	Notes
Economic Development	• Chambers of commerce • Business groups/associations • Elected officials (Board of Supv.,City Council) • State Assembly members • State Senators	Inform and involve to support a stable economy	EBMUD	Abelson	Janet		jabelson@ci.el-cerrito.ca.us	City of El Cerrito	
			EBMUD	Arreguin	Jesse		mayor@cityofberkeley.info	City of Berkeley	
			EBMUD	Butt	Tom		tom.butt@intres.com	City of Richmond	
			EBMUD	Carson	Keith		keith.carson@acgov.org	Board of Supervisors Contra Costa County	
			EBMUD	Chan	Wilma		wilma.chan@acgov.org	Board of Supervisors Contra Costa County	
			EBMUD	Donahue	Scott		sdonahue@emeryville.org	City of Emeryville	
			EBMUD	Gioia	John		supervisor_gioia@bos.cccounty.us	Board of Supervisors Contra Costa County	
			BOTH	Haggerty	Scott		scott.haggerty@acgov.org	Board of Supervisors Alameda County	
			EBMUD	Herrera Spencer	Trish		tspencer@alamedaca.gov	City of Alameda	
			EBMUD	King	Teddy		tking@piedmont.ca.gov	City of Piedmont	
			EBMUD	Martinez	Eduardo	**Y**	richcityservant@gmail.com	City of Richmond	
			EBMUD	McQuaid	Peggy		pmcquaid@albanyca.org	City of Albany	
			EBMUD	Mok	Hoi-Fei		sustainablesl@sanleandro.org	City of San Leandro	
			EBMUD	Morehouse	Hayes		hmorehouse@sanleandro.org	City of San Leandro	
			EBMUD	Roe	Dilan		dilan.roe@acgov.org	Board of Supervisors Contra Costa County	
			EBMUD	Russo Cutter	Pauline		pcutter@sanleandro.org	City of San Leandro	
			EBMUD	Schaaf	Libby		officeofthemayor@oaklandnet.com	City of Oakland	
			BOTH	Valle	Richard		richard.valle@acgov.org	Board of Supervisors Alameda County	
Human right to water	• Disadvantaged Communities • Small community systems • Environmental Justice Groups	Inform and involve to provide a safe and secure groundwater supplies to DACs	BOTH	Ghoghaie	Nahal		nahal@ejcw.org	Environmental Justice Coalition for Water	
Tribes	• Tribal Government	Inform, involve and consult with tribal government (See Engagement with Tribal Governments Guidance Document)	EBMUD	-	-		info@homelandforlytton.com	Lytton Band of Pomo Indians	No groundwater used
Federal lands	• Military bases/Department of Defense • Forest service • National Park Services • Bureau of Land Management	Inform, involve and collaborate to ensure basin sustainability	EBMUD	Alameda Naval Air Station			info@alamedanavalairmuseum.org	Alameda Naval Air Station	
			EBMUD	Monetta	John		jmonetta@oaklandnet.com	Oakland Army Base	
Integrated Water Management	• Regional water management groups (IRWM regions) • Flood agencies • Recycled water coalition	Inform, involve and collaborate to improve regional sustainability	BOTH	Brewster	Bill		bbrew@water.ca.gov	CA Department of Water Resources	
			BOTH	Francis	Tom		tfrancis@bawsca.org	Bay Area Water Supply & Conservation Agency	
			BOTH	Janes	Katy		margaret.janes@water.ca.gov	CA Department of Water Resources	
			BOTH	Lin	Hong		hong.lin@water.ca.gov	CA Department of Water Resources	
			BOTH	Sneed	Michelle		micsneed@usgs.gov	USGS	
			BOTH	Wells	Paul		paul.wells@water.ca.gov	CA Department of Water Resources	

APPENDIX 2. PLAN AREA AND BASIN SETTING

2.B. Notice and Communication

2.B.c. East Bay Plain Subbasin Engagement Chart

Appendix 2.B.c SGMA Meeting Dates

	Meeting/Event	Meeting/Event Date	Topics Presented	Location	Audience (interests represented)	Number of Participants	Additional comments
General SGMA Meetings							
1	SGMA Implementation Information Session	1/11/2016	Overview of SGMA implementation	EBMUD	ACWD, Alameda County Public Works, City of Hayward, DWR, City of Oakland, City of San Pablo, City of Alameda, City of Richmond, Contra Costa County Water Agency	17	Meeting held prior to GSA formation
2	SGMA Implementation Information Session	3/29/2016	Review responsibilties of GSAs and discuss process to form GSAs and coordination agreements	EBMUD	ACWD, City of Hayward, DWR, and EBMUD	6	Meeting held prior to GSA formation
3	SGMA Implementation Information Session	7/18/2016	Discuss process to form GSAs and coordination agreements	EBMUD	Not available	Not available	Meeting held prior to GSA formation
4	General Stakeholders Meeting	8/10/2017	Provide SGMA compliance update, share EBMUD's planned SGMA compliance activities, gather input frrom the stakeholders	City of Richmond	County of Alameda, BAWSCA, Berkeley PW Comm, City of Berkeley, UC Berkeley, CA DWR, Contra Costa County, EBMUD, City of Hayward, Lawrence Berkeley Lab, City of Richmond	18	EBMUD SGMA webpage was demonstrated during the meeting. Stakeholder support was requested for EBMUD's Prop 1 grant application for GSP development.
5	General Stakeholders Meeting	2/27/2018	Provide SGMA activities update, discuss plans for public engagement & communication, receive input frrom stakeholders	City of Hayward	ACPWA, SF Sierra Club, City of Hayward, CA DWR, City of San Leandro, Chabot-Los Positas CC, GHD, City of Berkeley, BAWSCA, Port of Oakland, City of Albany, ACWD, UC Berkeley, Clean Water Action, City of Emeryville, EBMUD, St Joseph Cemetary, Co of Alameda	26	
6	General Stakeholders Meeting	3/14/2019	Provide SGMA compliance update, inform planned activities, gather input from stakeholders	EBMUD	City of Hayward, Alameda Co Water, Port of Oakland, Lawrence Berkeley Lab, City of El Cerrito, City of San Pablo, Berkeley PW Comm, City of Alameda, Montgomery & Assoc, EBMUD, GEI, ACPWA, City of San Leandro, LDNL, City of Oakland, DWR, Sierra Club, Chabot College, Contra Costa County, ACWD, City of Berkeley	30	
7	General Stakeholders Meeting	2/17/2021	Provide an overview of completed work, outline upcoming activities, present an updted project schedule, gather input from stakeholders	Virtual	HARD, LSE, Dept. Water Resources, City of Berkeley, Valley Water, Alameda County Water, Port of Oakland, Contra Costa County, CDFW, City of Hayward, City of El Cerrito, EBMUD, ESA, M&A Assoc., City of Piedmont, City of Albany, Kennedy Jenks, City of Richmond, Salesian, Catholic Funeral & Cemetary Svcs.	56	
8	General Stakeholders Meeting	6/22/2021	Discuss the status of the GSP development, key SGMA definitions that will be used to define the sustainable management criteria, the future groundwater scenario, and potential management actions	Virtual	LSCE, Gilead, CSU EastBay, City o Berkley, BAWSCA, DWR, Alameda County Water, City of Piedmont, Alameda County, Port of Oakland, HARD, City of San Leandro, City of Hayward, CDFW, EBMUD, Valley Water, City of Oakland, Nature Conservancy, ESA, CivicSpark, City of Emeryville, Chevron	49	

9	General Stakeholders Meeting	8/16/2021	Discuss the sustainable management criteria evaluation for each of the six sustainability indicators, the future scenario, and the proposed implementation activities and estimated costs.	Virtual	LSCE, City of Berkeley, DWR, Sierra Club, Cleanwater, Lawrence Berkeley Lab, Valley Water, CDFS, CalEPA, EBMUD, Alameda County, City of San Pablo, City of Hayward, GeoSyntec, City of Piedmont, Chevron, Alameda County Water, ESI, City of El Cerrito	38	
10	General Stakeholders Meeting	10/20/2021	Receive public input and comments on the draft GSP	Virtual	LSCE, DWR, CDFW, WoodPLC, ACWD, CSU East Bay, City of Richmond, City o San Pablo, City of Berkeley, Lawrence Berkeley Lab, ESA, HARD, City of Hayward, Contra Costa County, City of Oakland, GeoSyntec, SWRCB	30	
Technical Advisory Committee Meetings							
11	Technical Advisory Committee (TAC) Meeting	4/24/2019	Activate TAC, initiate TAC charter development, provide GSP development updates	EBMUD	City of Richmond, LSCE, Sierra Club East Bay, Lawrence Berkeley Lab, EBMUD, SWRCB, ACPWA, Contra Costa County	10	
12	Groundwater Modeling 101 Workshop/TAC meeting	10/2/2019	Adopt TAC charter, provide a status update, discuss upcoming activities	EBMUD	DWR, EBMUD, Lawrence Berkeley Lab, SF Bay RWQCB, LSCE, City of Hayward, City of Richmond, City of El Cerrito, City of San Pablo, Berkeley PW Comm, City of Alameda, USGS, Contra Costa County, ACPWA	15	
13	Technical Advisory Committee (TAC) Meeting	5/4/2020	Provide overview of completed TMs, address TAC members' comments, outline next steps	Virtual	City of Berkeley, LSCE, CA Dept. Water Resources, CSU East Bay, City of Hayward, Lawrence Berkeley Lab, EBMUD, GeoSyntec, Alameda County, SWRQCB, Contra Costa County, Alameda County Public Works, City of San Pablo	20	
14	Technical Advisory Committee (TAC) Meeting	11/18/2020	Provide overview of completed Hydrogeologic Conceptual Model (HCM) TM, update on groundwater model development, address TAC members' comments, outline next steps	Virtual	LSCE, GeoSyntec, City of Hayward, SWRQCB, CSU East Bay, EBMUD, City of Richmond, Alameda County, City of San Pablo, DWR, City of Berkely, Lawrence Berkeley Lab, USGS	20	
15	Technical Advisory Committee (TAC) Meeting	1/27/2021	Share updaed HCM TM, provide an update on the groundwater model & calibration/validation, discuss potential project scenarios	Virtual	DWR, CSU East Bay, City of Hayward, City of Richmond, Lawrence Berkeley Lab, EBMUD, Alameda County, GeoSyntec, Contra Costa County, City of Berkeley, EKI	23	
16	Technical Advisory Committee (TAC) Meeting	7/14/2021	Discuss the results of the future groundwater scenario and to discuss the draft sustainable management criteria evaluation.	Virtual	City of Berkeley, LSCE, CA Dept. Water Resources, CSU East Bay, City of Hayward, EBMUD, Lawrence Berkeley Lab, GeoSyntec, Alameda County, SWRCB, EKI	22	
Interbasin Working Group Meetings							
17	Interbasin Working Group Meeting (IWG) - ACWD/Hayward/EBMUD	4/10/2019	Discuss modeling data needs, update IWG meeting arrangements, discuss topics of common interests among three parties	Hayward	ACWD, City of Hayward, EBMUD	8	Organized by ACWD

18	Interbasin Working Group Meeting (IWG) - ACWD/Hayward/EBMUD	3/9/2020	Provide status updates, coordinate groundwater management activities, discuss upcoming activities	Conf Call	ACWD, City of Hayward, EBMUD	6	Organized by ACWD
19	Interbasin Working Group Meeting (IWG) - ACWD/Hayward/EBMUD	6/10/2020	Provide status updates, coordinate groundwater management activities, discuss upcoming activities	Virtual	ACWD, City of Hayward, EBMUD	7	Organized by EBMUD
20	Interbasin Working Group Meeting (IWG) - ACWD/Hayward/EBMUD	10/19/2020	Provide status updates, coordinate groundwater management activities, discuss upcoming activities	Virtual	ACWD, City of Hayward, EBMUD	7	Organized by Hayward
21	Interbasin Working Group Meeting (IWG) - ACWD/Hayward/EBMUD	2/8/2021	Provide status updates, coordinate groundwater management activities, discuss upcoming activities	Virtual	ACWD, City of Hayward, EBMUD	7	Organized by ACWD
22	Interbasin Working Group Meeting (IWG) - ACWD/Hayward/EBMUD	7/6/2021	Provide status updates, coordinate groundwater management activities, discuss upcoming activities	Virtual	ACWD, City of Hayward, EBMUD	12	Organized by EBMUD
23	Interbasin Working Group Meeting (IWG) - ACWD/Hayward/EBMUD/Valley Water	8/24/2021	Discuss the Niles Cone Model Upgrade Project	Virtual	ACWD, City of Hayward, County of San Mateo, Dept. of Water Resources, EBMUD, Valley Water	21	Organized by ACWD
24	Interbasin Working Group Meeting (IWG) - ACWD/Hayward/EBMUD	9/30/2021	Provide status updates, coordinate groundwater management activities, discuss upcoming activities	Virtual	ACWD, City of Hayward, EBMUD	7	Organized by ACWD
25	Interbasin Working Group Meeting (IWG) - ACWD/Hayward/EBMUD	10/26/2021	Follow up discussion on the Niles Cone Model Upgrade Project	Virtual	ACWD, City of Hayward, Dept. of Water Resources, EBMUD	16	Organized by ACWD

APPENDIX 2. PLAN AREA AND BASIN SETTING

2.B. Notice and Communication

2.B.d. East Bay Plain Subbasin Stakeholder Input Matrix

Appendix 2.B.d. East Bay Plain Subbasin Stakeholder Input Matrix

Type of Beneficial User	Interests of Beneficial User	How Interests were taken into Consideration in GSP Development
Municipal	Supplemental water supply for extreme drought and emergency situations	Evaluated future scenario with short-term groundwater pumping for drought and emergency situations. Assessed capacity of Subbasin to provide additional groundwater supply within sustainable yield.
Large Parcel Irrigation	Ability to use groundwater instead of EBMUD/Hayward water supplies for irrigation of large parcels such as parks, golf courses, schools/colleges (for landscaping and athletic fields), and cemeteries.	Existing pumping was incorporated in the historical and future scenarios evaluated for the GSP. A potential future project involving increased irrigation of large parcels with groundwater was noted but not yet evaluated pending collection of additional data during the GSP implementation period.
Residential Irrigation – Domestic Wells	Ability to use groundwater instead of (or due to dry year restrictions related to) EBMUD/Hayward water supplies for irrigation of residential landscaping.	Existing pumping was incorporated in the historical and future scenarios evaluated for the GSP. Future work during GSP implementation includes outreach to improve understanding of current domestic irrigation pumping and future needs.
Industrial	Ability to use groundwater instead of (or due to dry year restrictions related to) EBMUD/Hayward water supplies for industrial uses.	Existing pumping was incorporated in the historical and future scenarios evaluated for the GSP. Future work during GSP implementation includes outreach to improve understanding of current industrial pumping and future needs.
Environmental	Preserving and protecting groundwater that may support environmental uses (e.g., groundwater dependent ecosystems). =	The GSP includes a detailed initial study of GDEs in the Subbasin, while noting additional field work is needed to further classify GDEs. Stakeholder input from CDFW, NGOs, and others was used to update the initial GDE analysis, particularly with regard to habitat for wildlife (e.g., fish). An initial estimate of sustainable yield was developed to bracket the potential range for increased use of groundwater from the Subbasin.