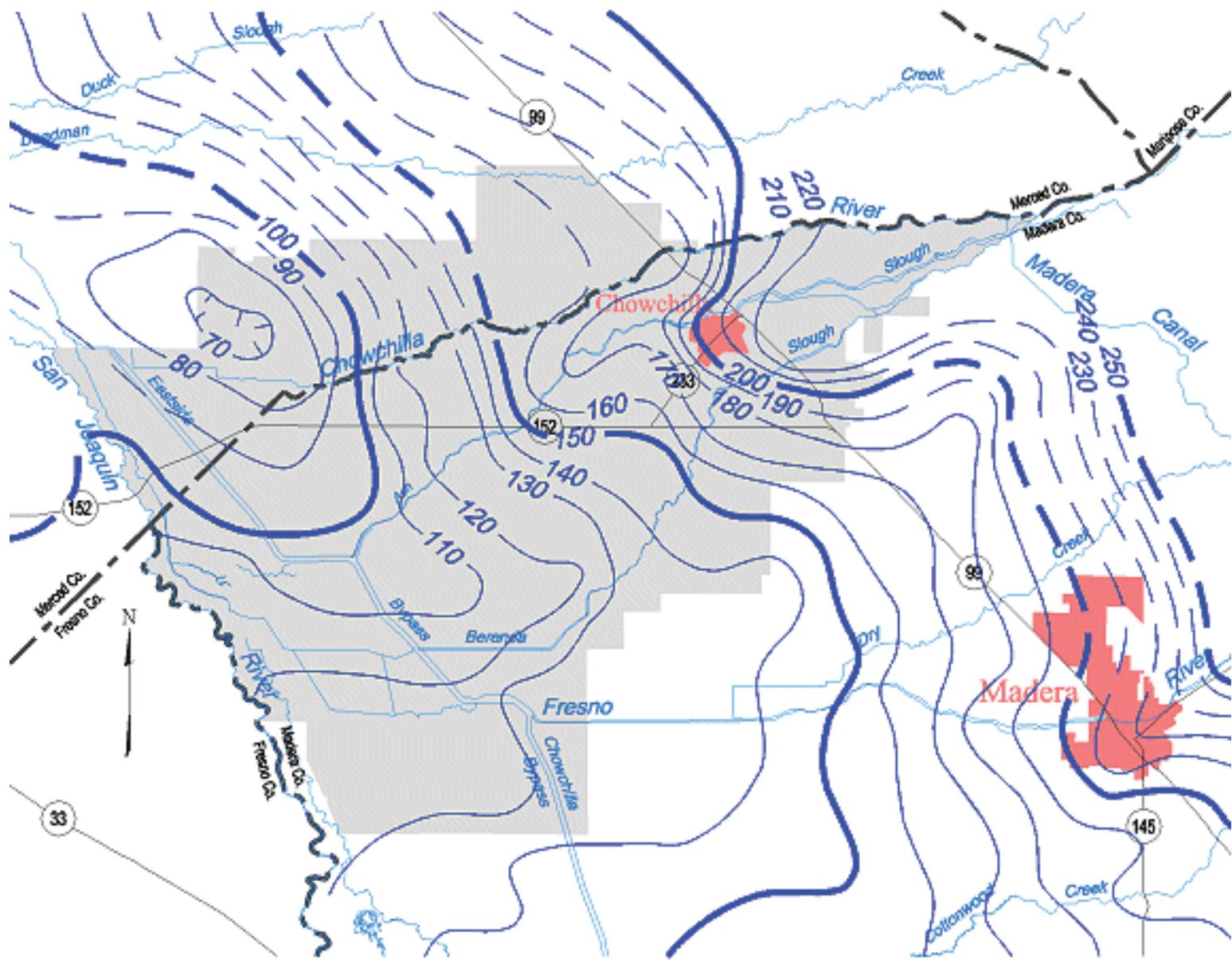


Chowchilla Groundwater Basin

Spring 1958, Lines of Equal Elevation of
Water in Wells, Unconfined Aquifer

Scale of Miles
2 0 2 4 6

Disclaimer: Base map created from current USGS 1:24,000 and 1:100,000 maps.
Some base map features may not have been present (i.e. roads, canals,
reservoirs) for the water year shown.



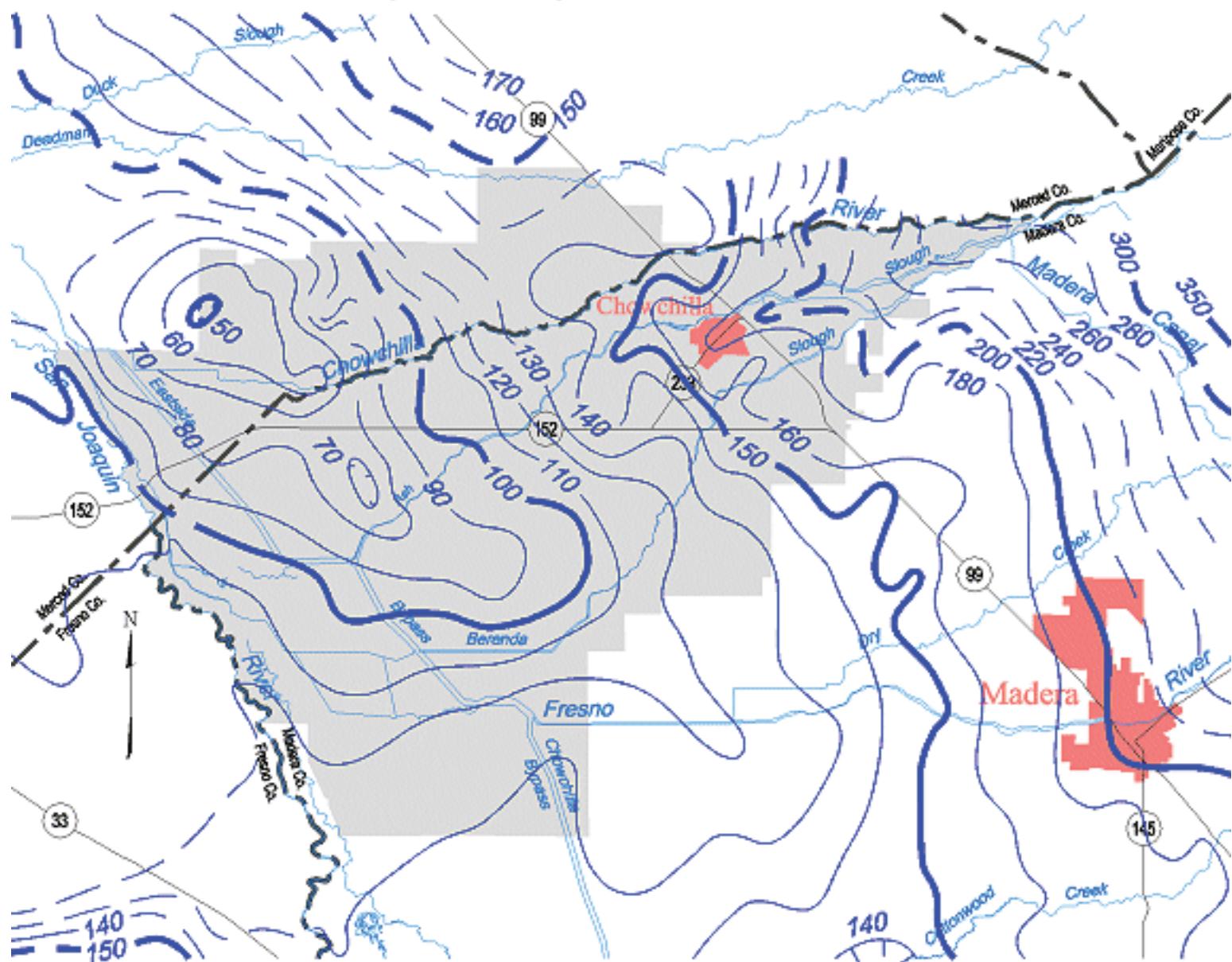
Contours are dashed where inferred. Contour interval is 10 feet.

Chowchilla Groundwater Basin

Spring 1962, Lines of Equal Elevation of
Water in Wells, Unconfined Aquifer

Scale of Miles
2 0 2 4 6

Disclaimer: Base map created from current USGS 1:24,000 and 1:100,000 maps.
Some base map features may not have been present (i.e. roads, canals,
reservoirs) for the water year shown.



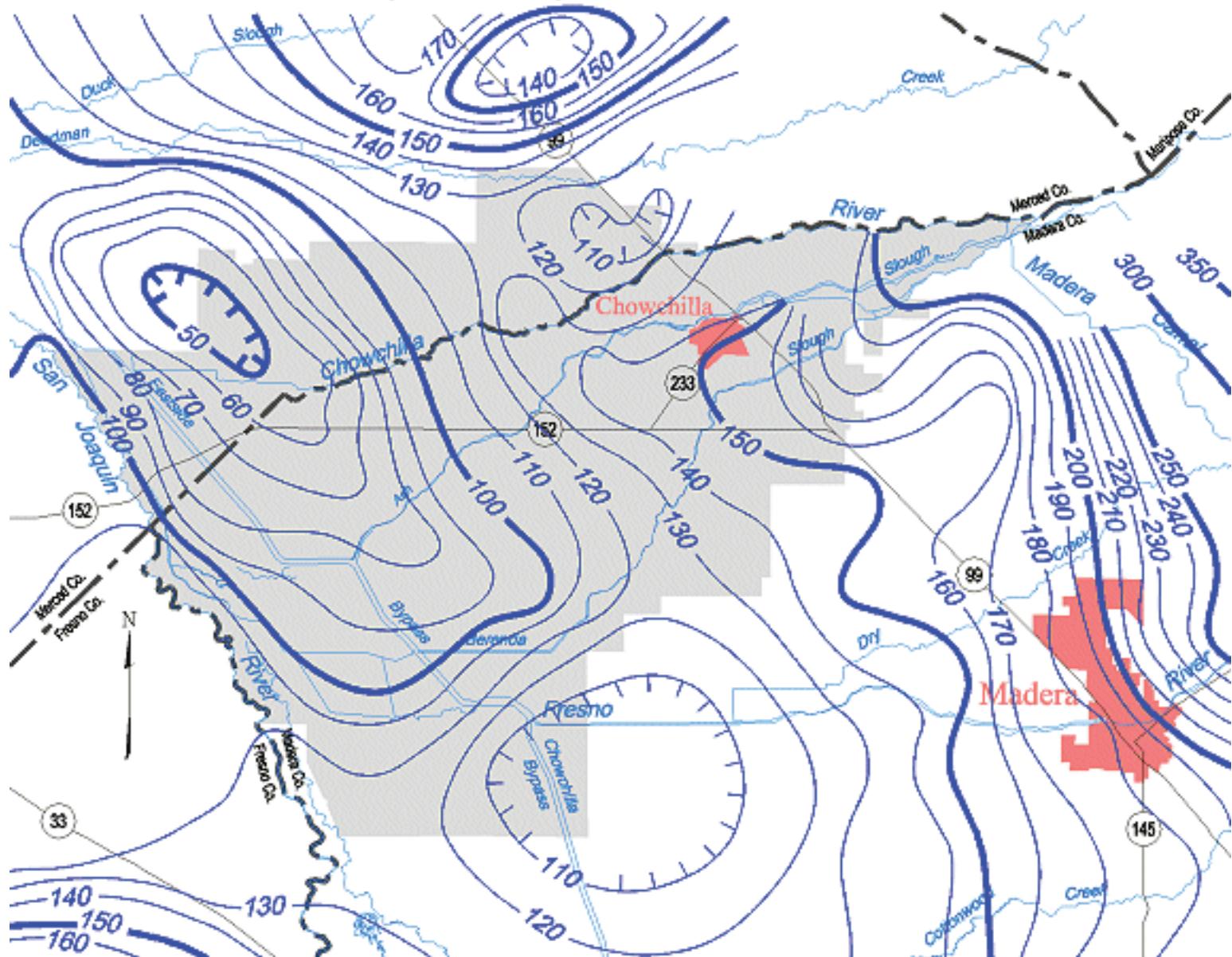
Contours are dashed where inferred. Contour interval is 10, 20 and 50 feet.

Chowchilla Groundwater Basin

Spring 1969, Lines of Equal Elevation of
Water in Wells, Unconfined Aquifer

Scale of Miles
2 0 2 4 6

Disclaimer: Base map created from current USGS 1:24,000 and 1:100,000 maps.
Some base map features may not have been present (i.e. roads, canals,
reservoirs) for the water year shown.



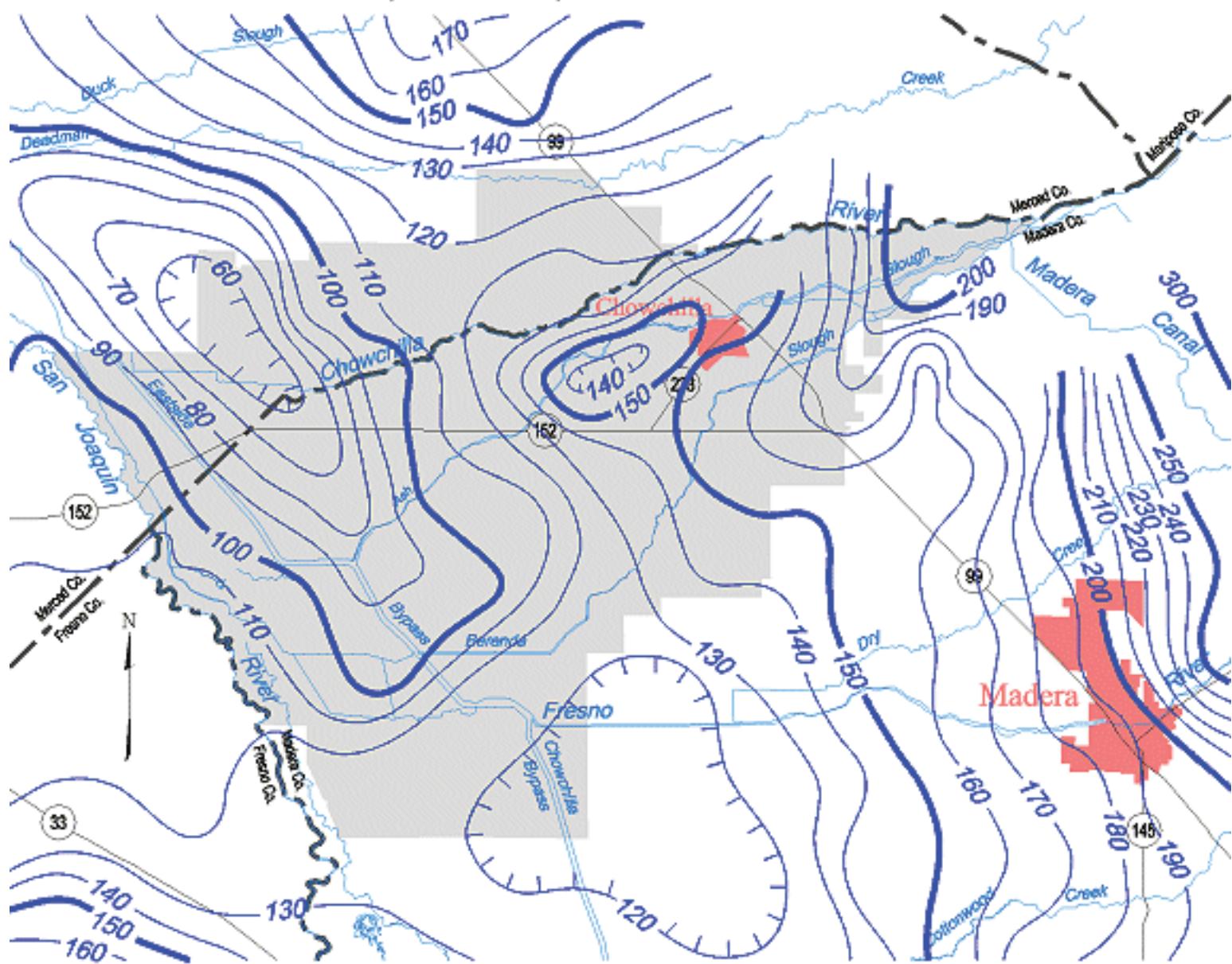
Contours are dashed where inferred. Contour interval is 10 and 50 feet.

Chowchilla Groundwater Basin

Spring 1970, Lines of Equal Elevation of
Water in Wells, Unconfined Aquifer

Scale of Miles
2 0 2 4 6

Disclaimer: Base map created from current USGS 1:24,000 and 1:100,000 maps.
Some base map features may not have been present (i.e. roads, canals,
reservoirs) for the water year shown.



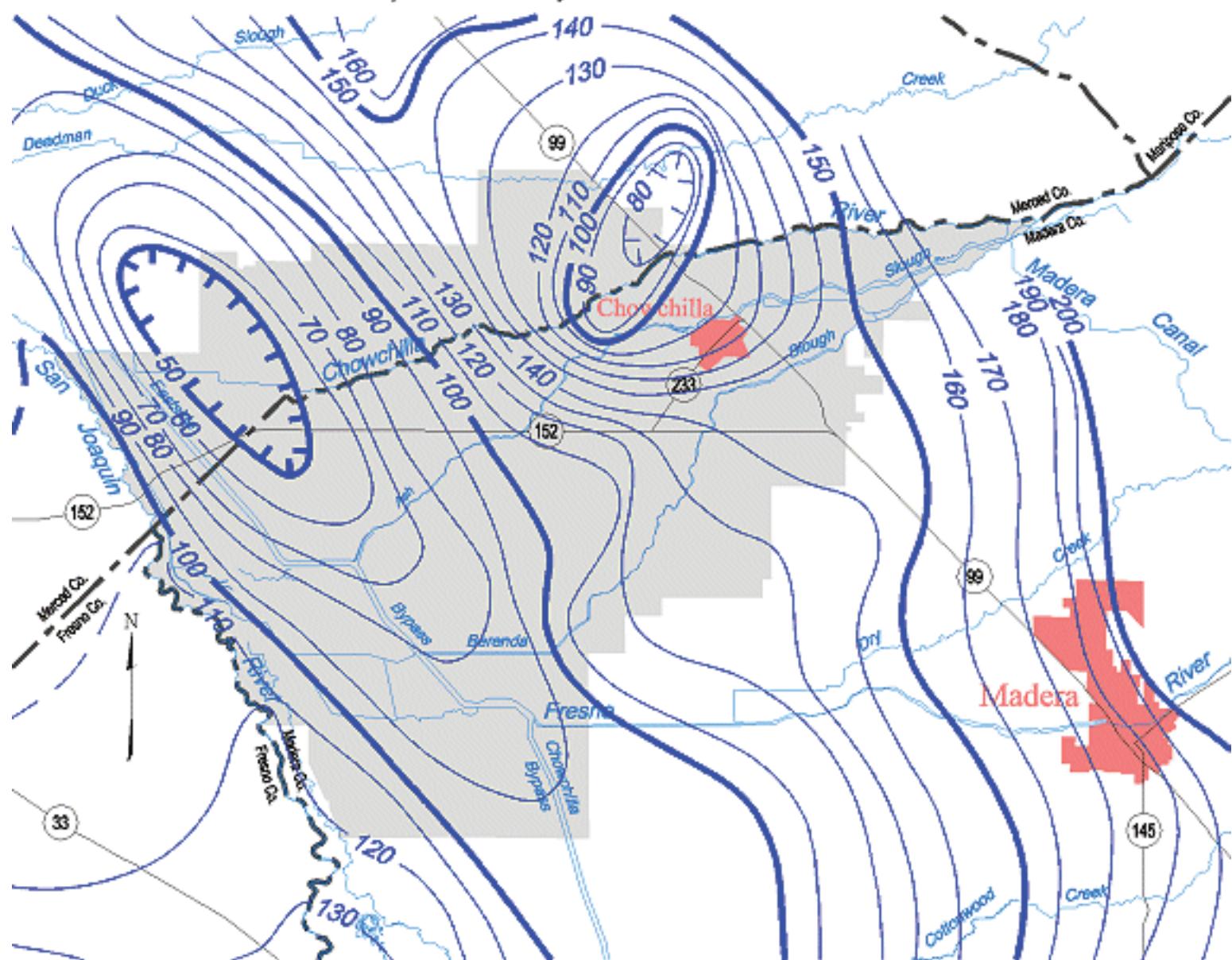
Contours are dashed where inferred. Contour interval is 10 and 50 feet.

Chowchilla Groundwater Basin

Spring 1976, Lines of Equal Elevation of
Water in Wells, Unconfined Aquifer

Scale of Miles
2 0 2 4 6

Disclaimer: Base map created from current USGS 1:24,000 and 1:100,000 maps.
Some base map features may not have been present (i.e. roads, canals,
reservoirs) for the water year shown.



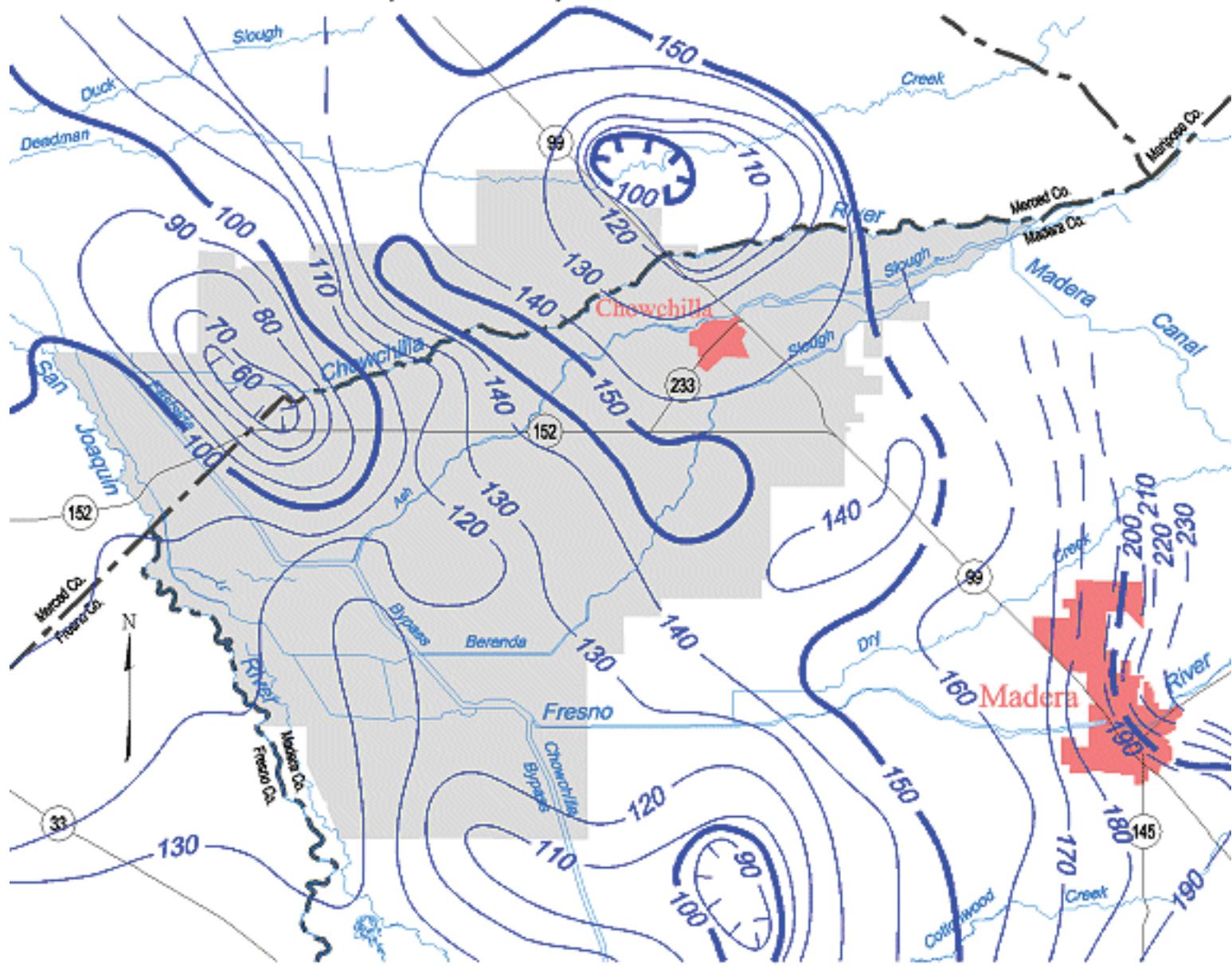
Contours are dashed where inferred. Contour interval is 10 feet.

Chowchilla Groundwater Basin

Spring 1984, Lines of Equal Elevation of
Water in Wells, Unconfined Aquifer

Scale of Miles
2 0 2 4 6

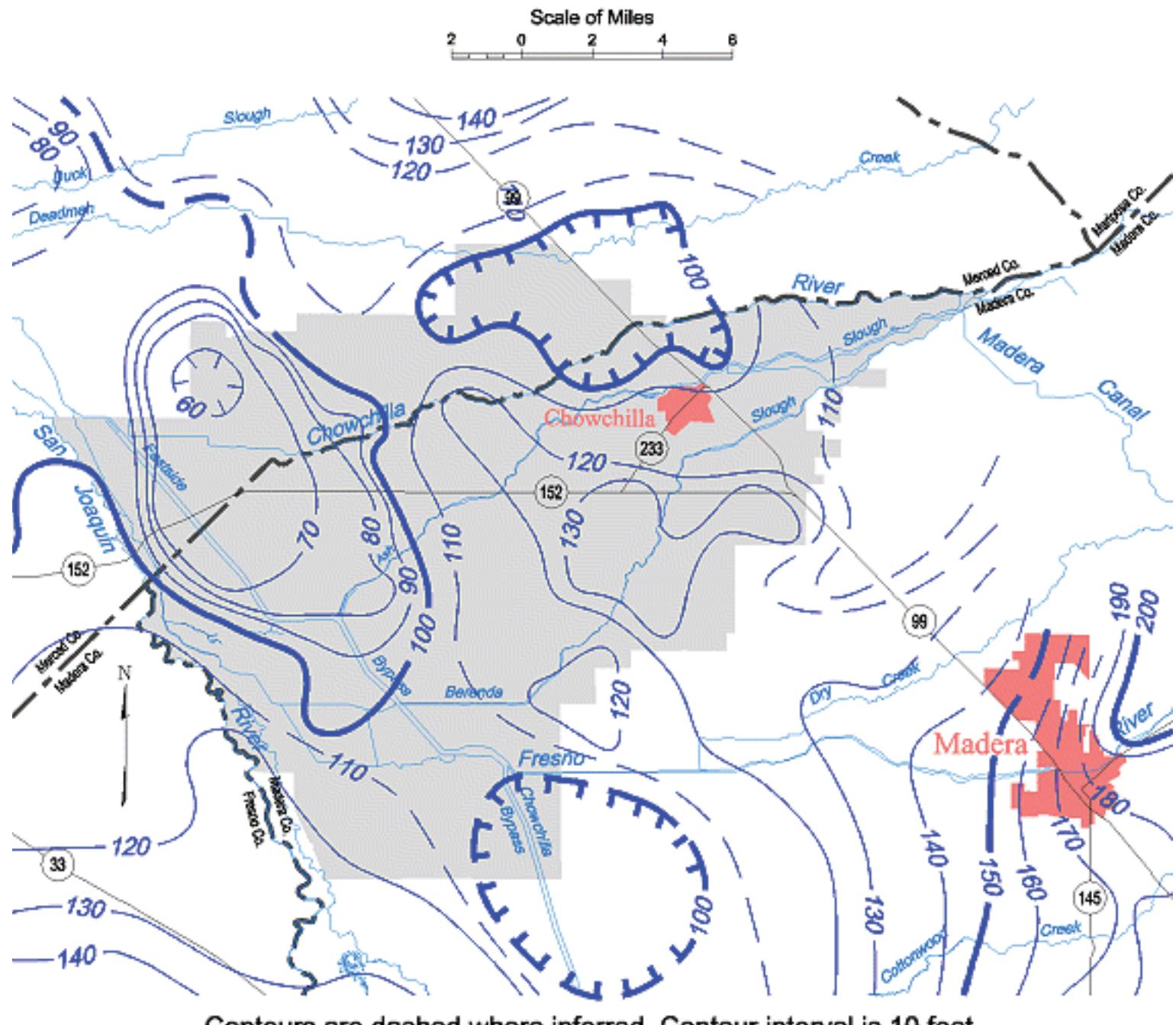
Disclaimer: Base map created from current USGS 1:24,000 and 1:100,000 maps.
Some base map features may not have been present (i.e. roads, canals,
reservoirs) for the water year shown.



Contours are dashed where inferred. Contour interval is 10 feet.

Chowchilla Groundwater Basin

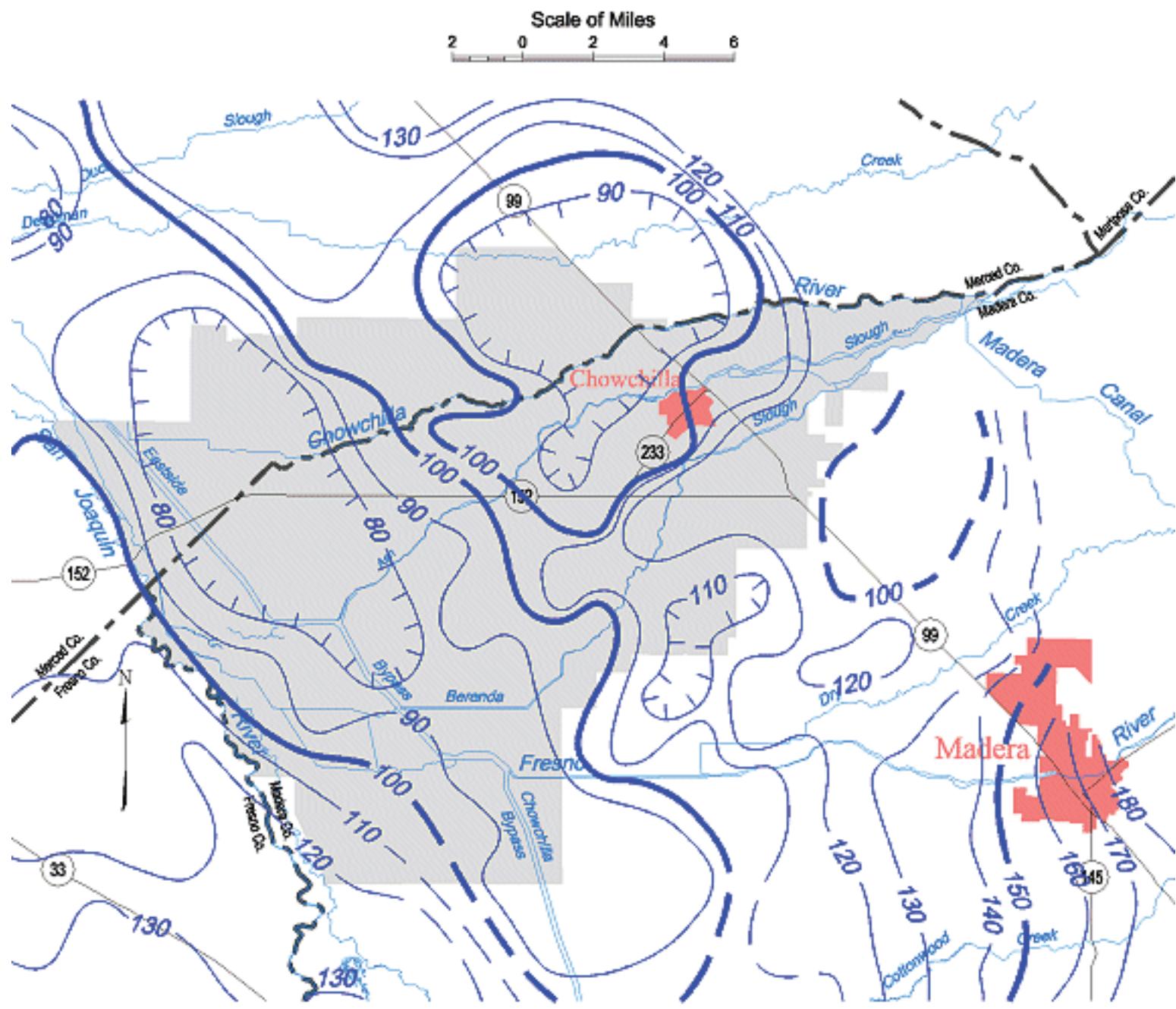
Spring 1989, Lines of Equal Elevation of Water in Wells, Unconfined Aquifer



Contours are dashed where inferred. Contour interval is 10 feet.

Chowchilla Groundwater Basin

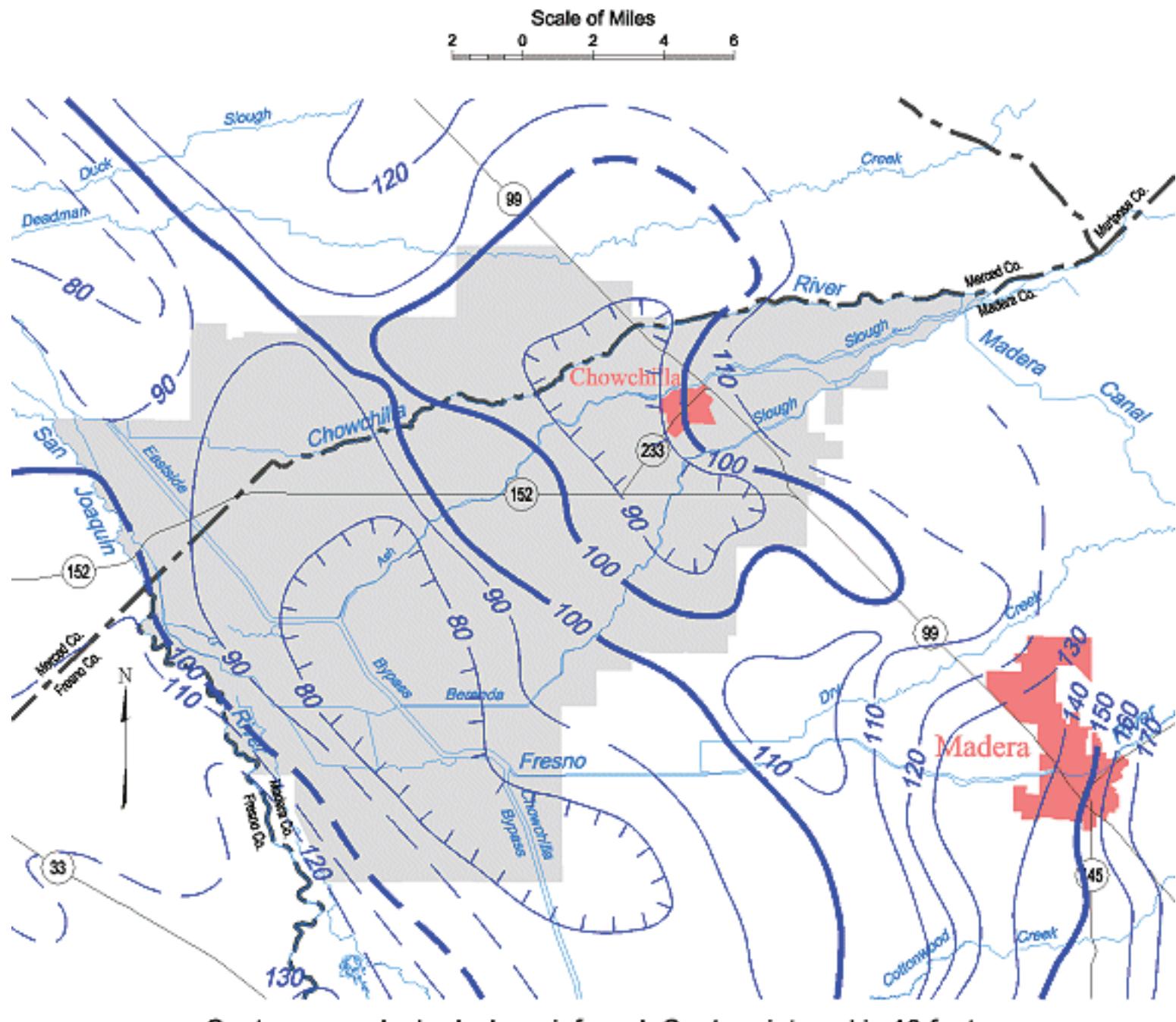
Spring 1990, Lines of Equal Elevation of Water in Wells, Unconfined Aquifer



Contours are dashed where inferred. Contour interval is 10 feet.

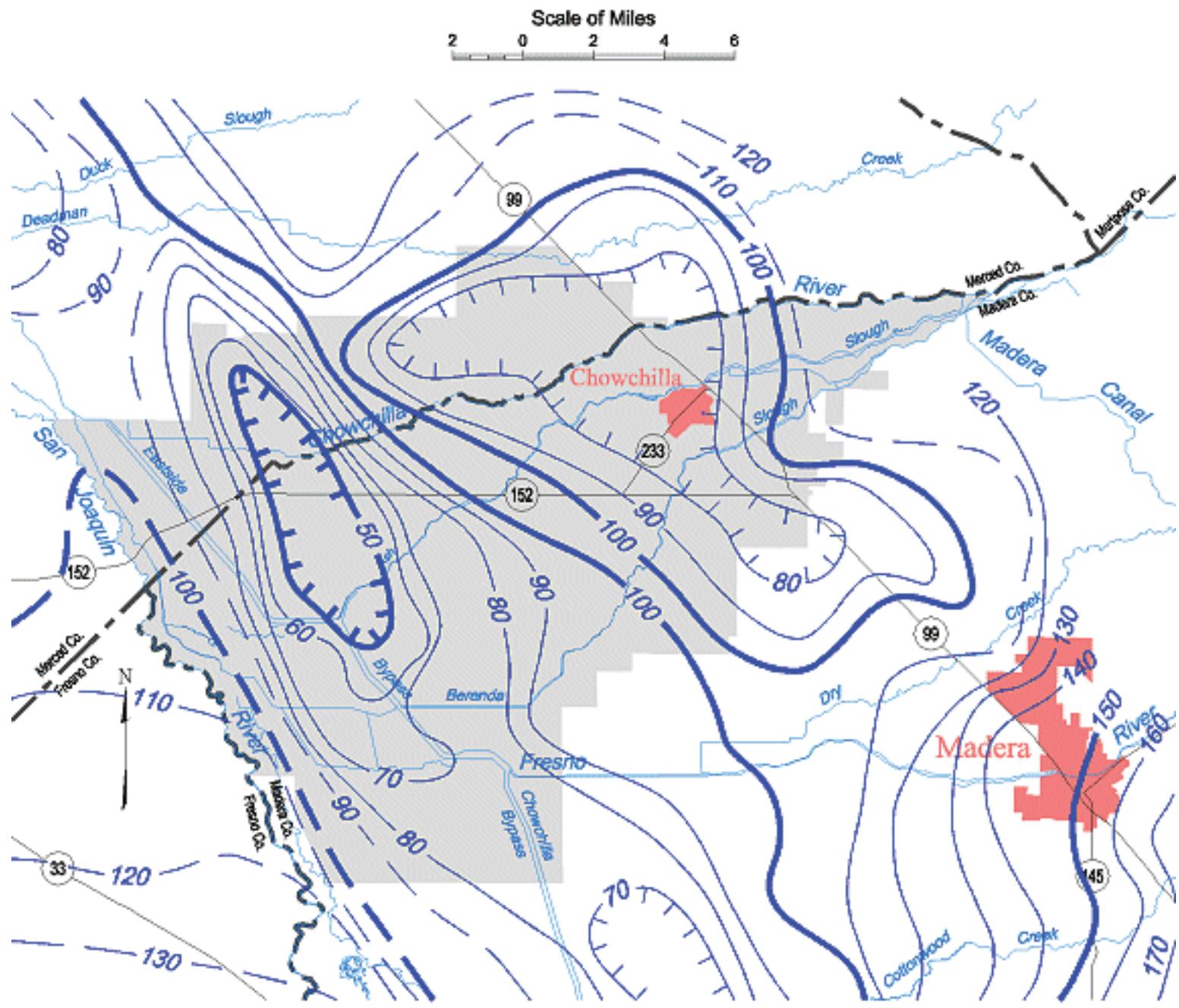
Chowchilla Groundwater Basin

Spring 1991, Lines of Equal Elevation of
Water in Wells, Unconfined Aquifer



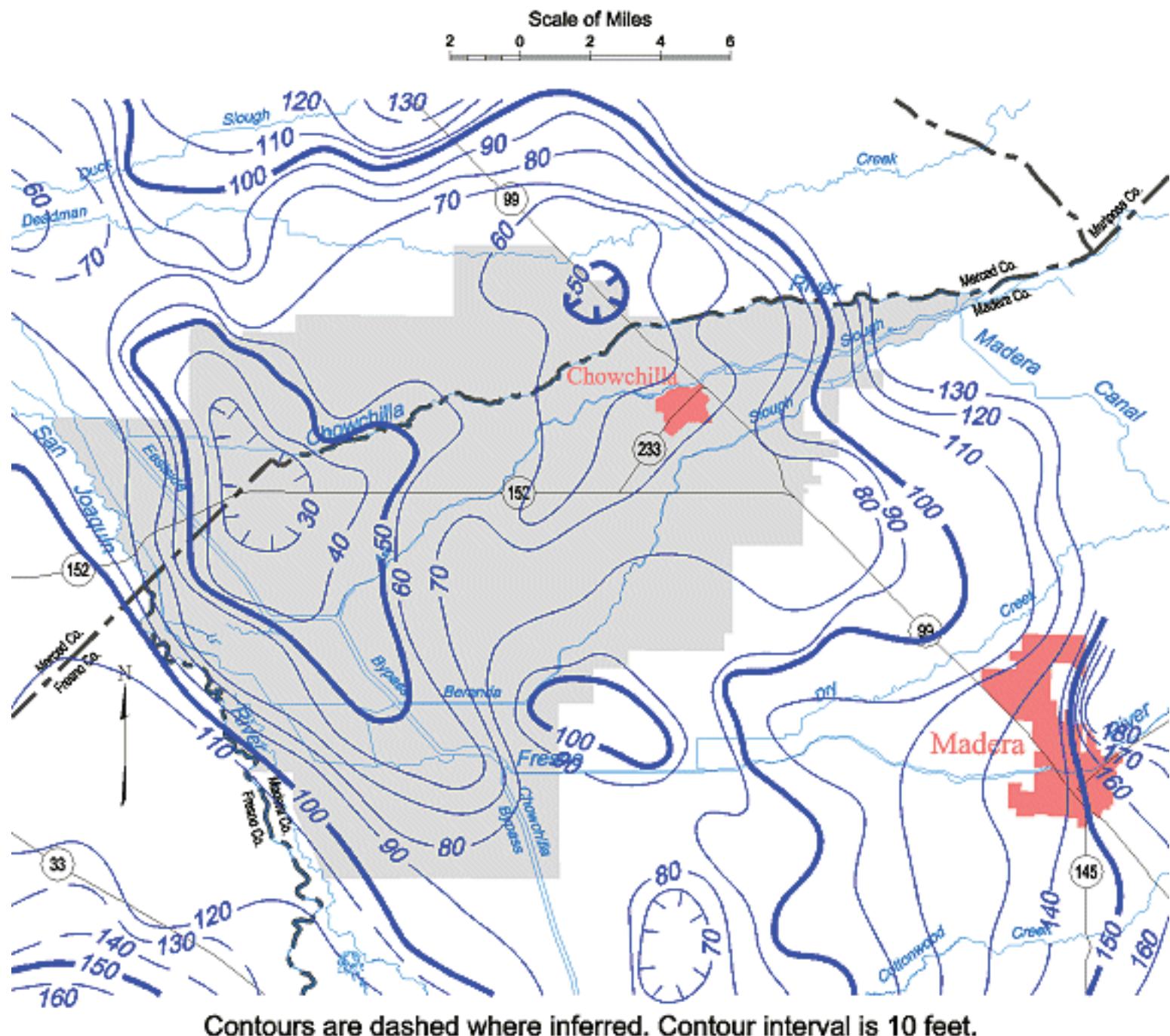
Chowchilla Groundwater Basin

Spring 1992, Lines of Equal Elevation of
Water in Wells, Unconfined Aquifer



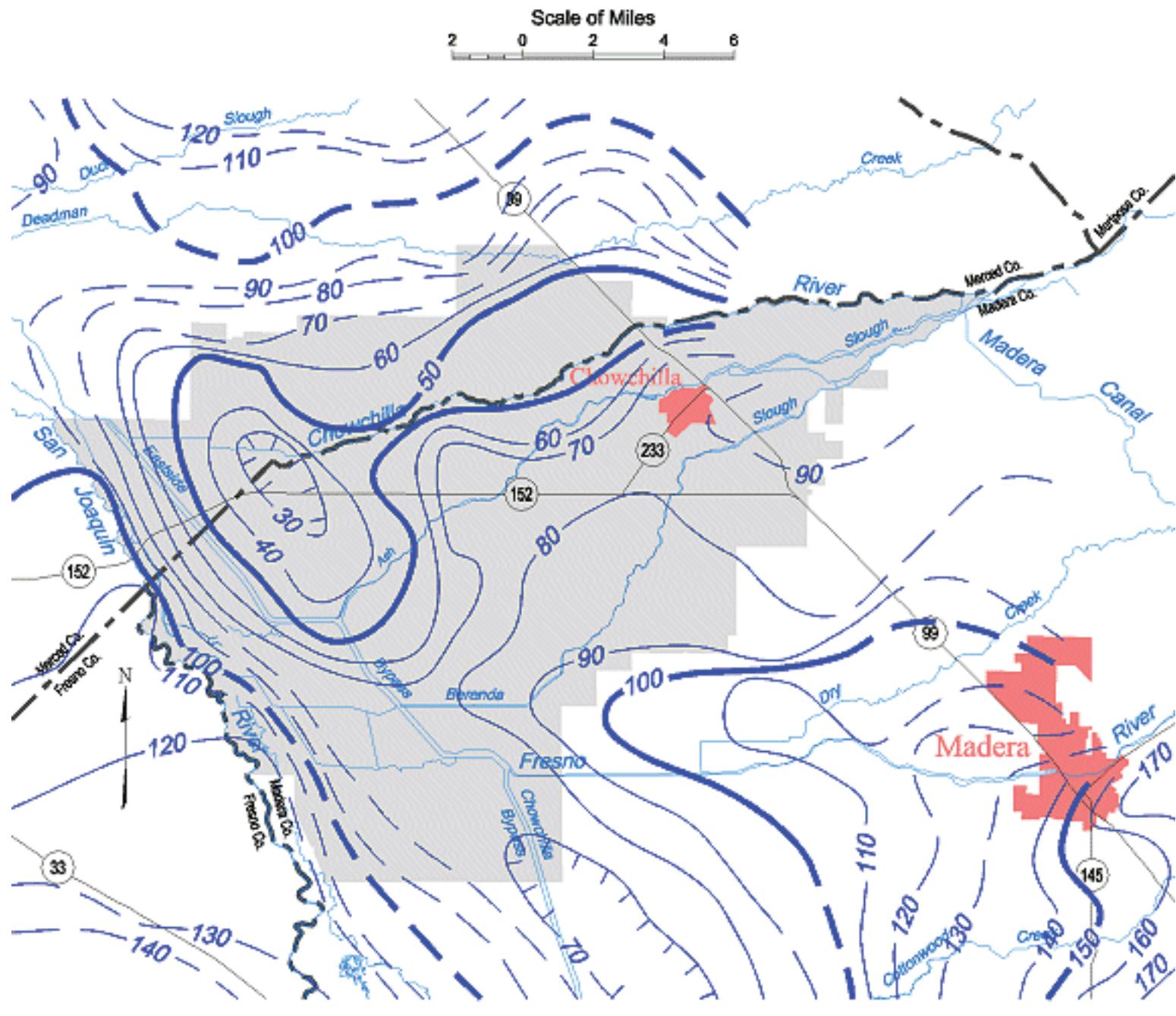
Chowchilla Groundwater Basin

Spring 1993, Lines of Equal Elevation of
Water in Wells, Unconfined Aquifer



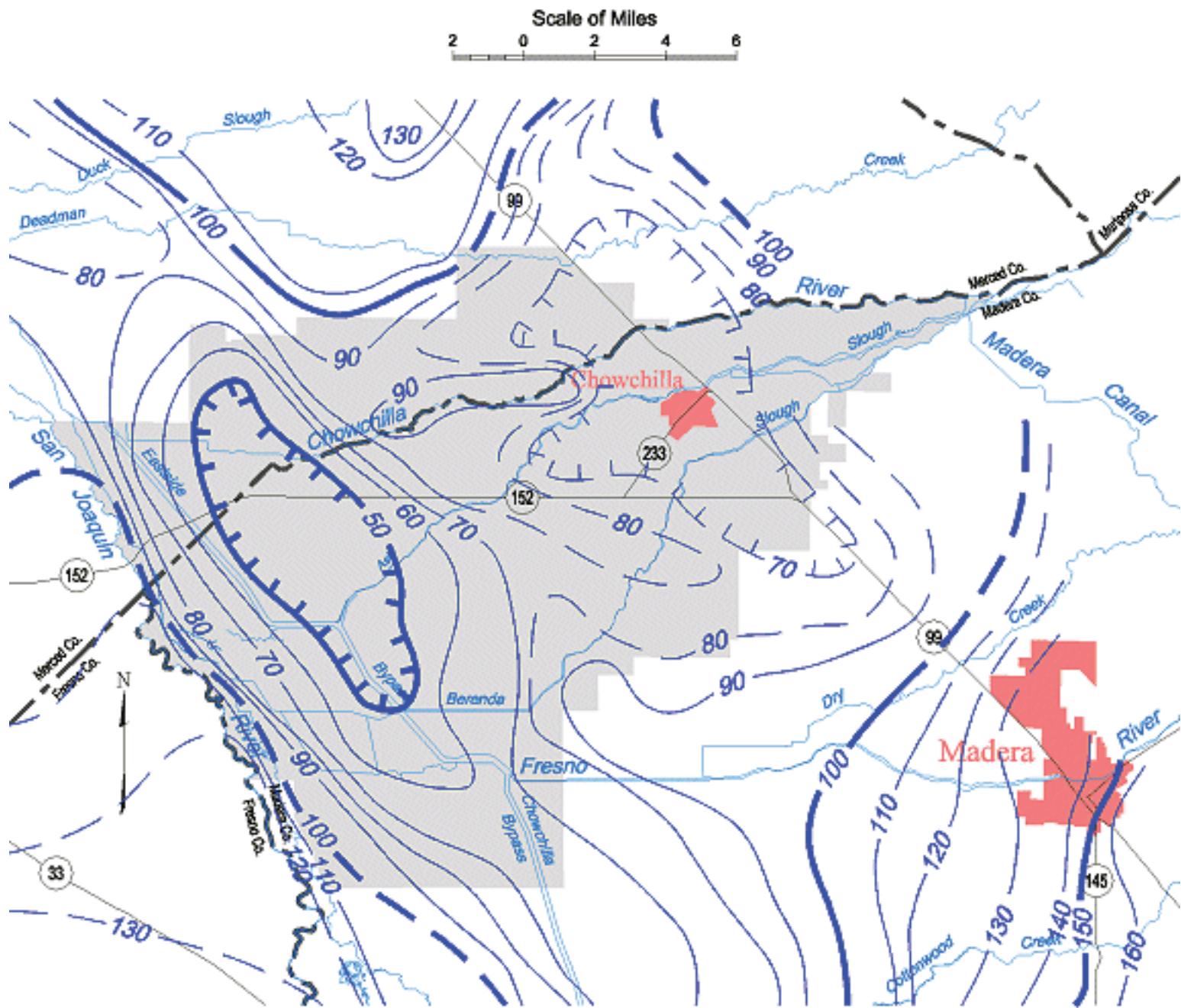
Chowchilla Groundwater Basin

Spring 1994, Lines of Equal Elevation of
Water in Wells, Unconfined Aquifer



Chowchilla Groundwater Basin

Spring 1995, Lines of Equal Elevation of
Water in Wells, Unconfined Aquifer

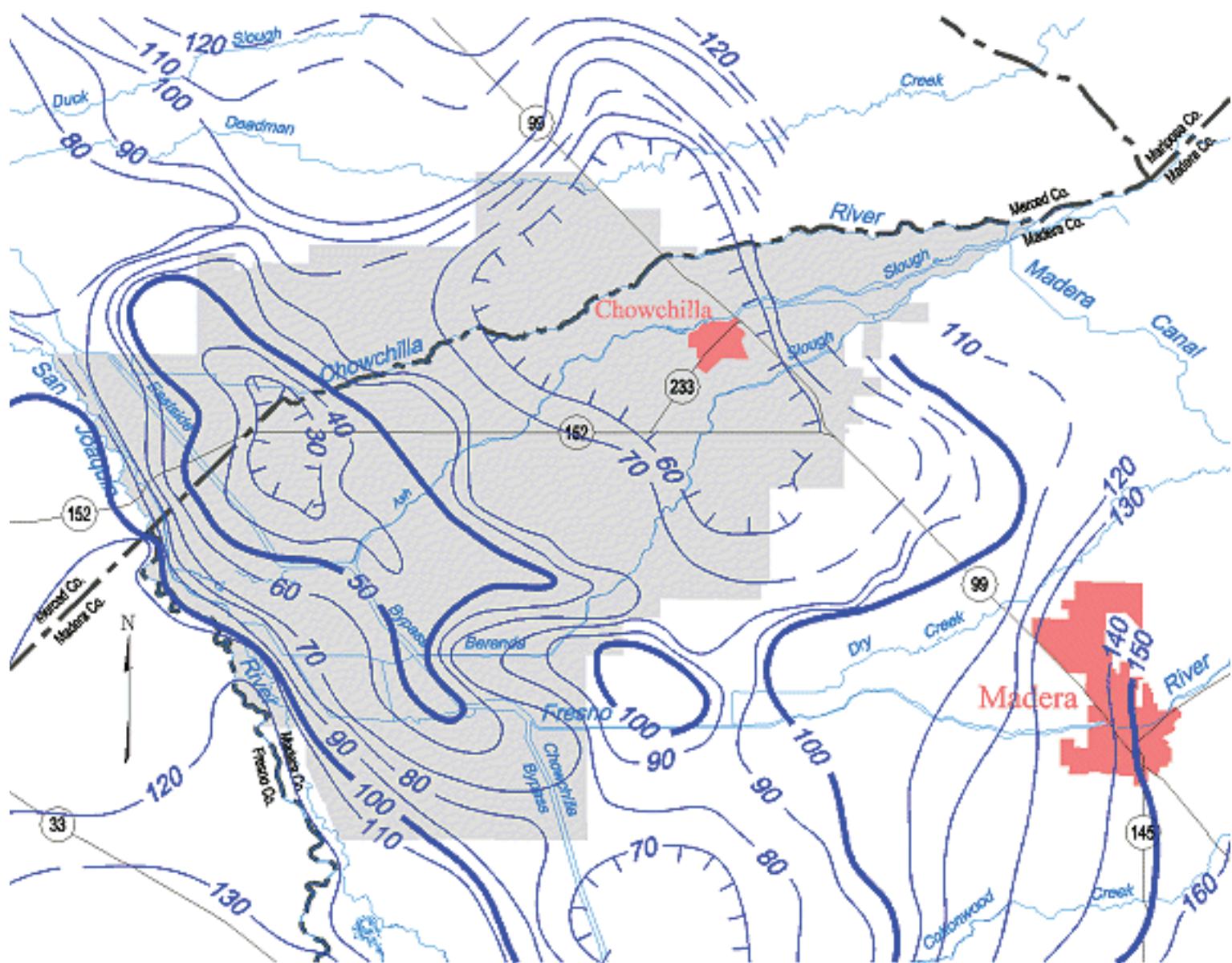


Contours are dashed where inferred. Contour interval is 10 feet.

Chowchilla Groundwater Basin

Spring 1996, Lines of Equal Elevation of
Water in Wells, Unconfined Aquifer

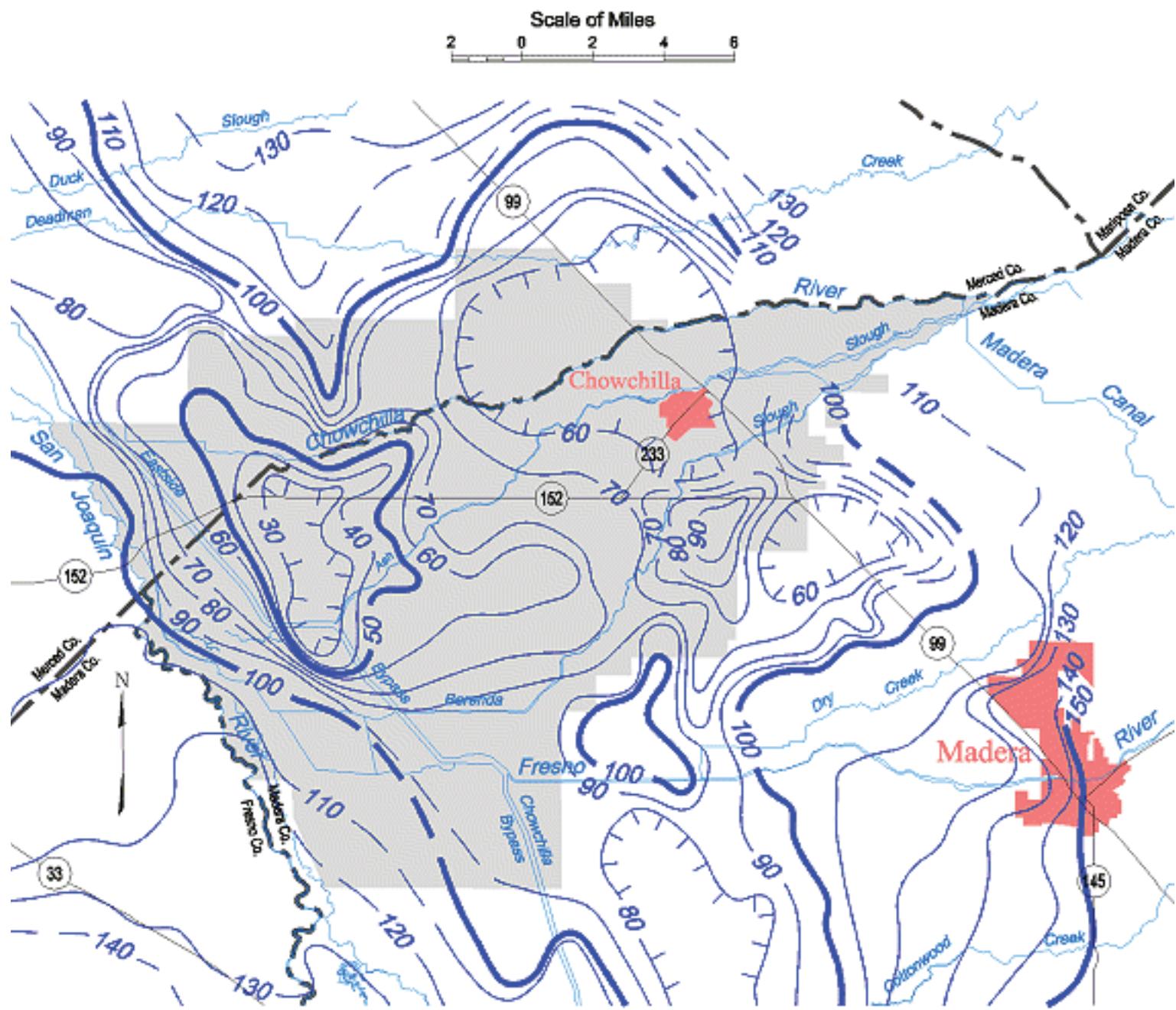
Scale of Miles
2 0 2 4 6



Contours are dashed where inferred. Contour interval is 10 feet.

Chowchilla Groundwater Basin

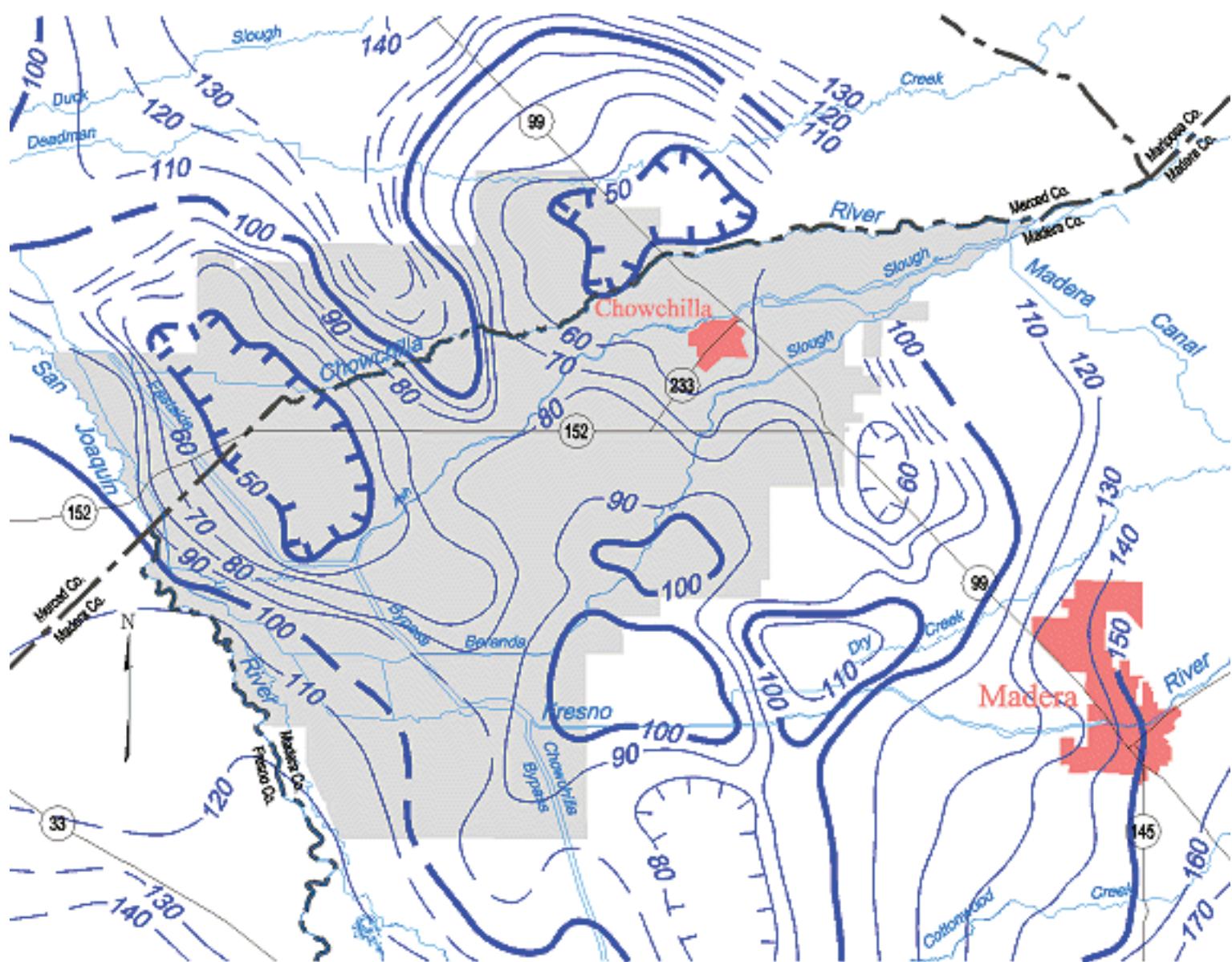
Spring 1997, Lines of Equal Elevation of
Water in Wells, Unconfined Aquifer



Chowchilla Groundwater Basin

Spring 1998, Lines of Equal Elevation of
Water in Wells, Unconfined Aquifer

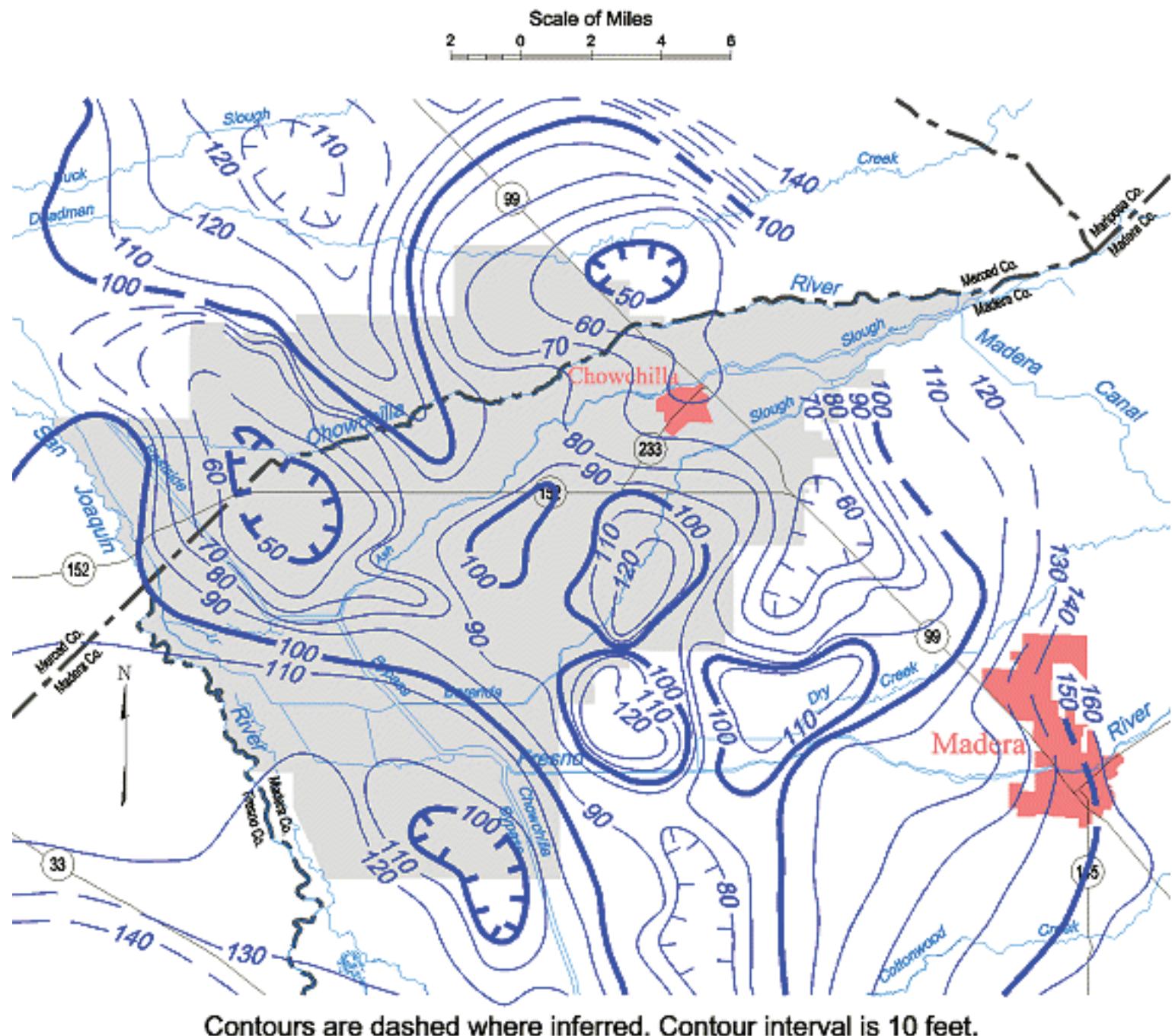
Scale of Miles
2 0 2 4 6



Contours are dashed where inferred. Contour interval is 10 feet.

Chowchilla Groundwater Basin

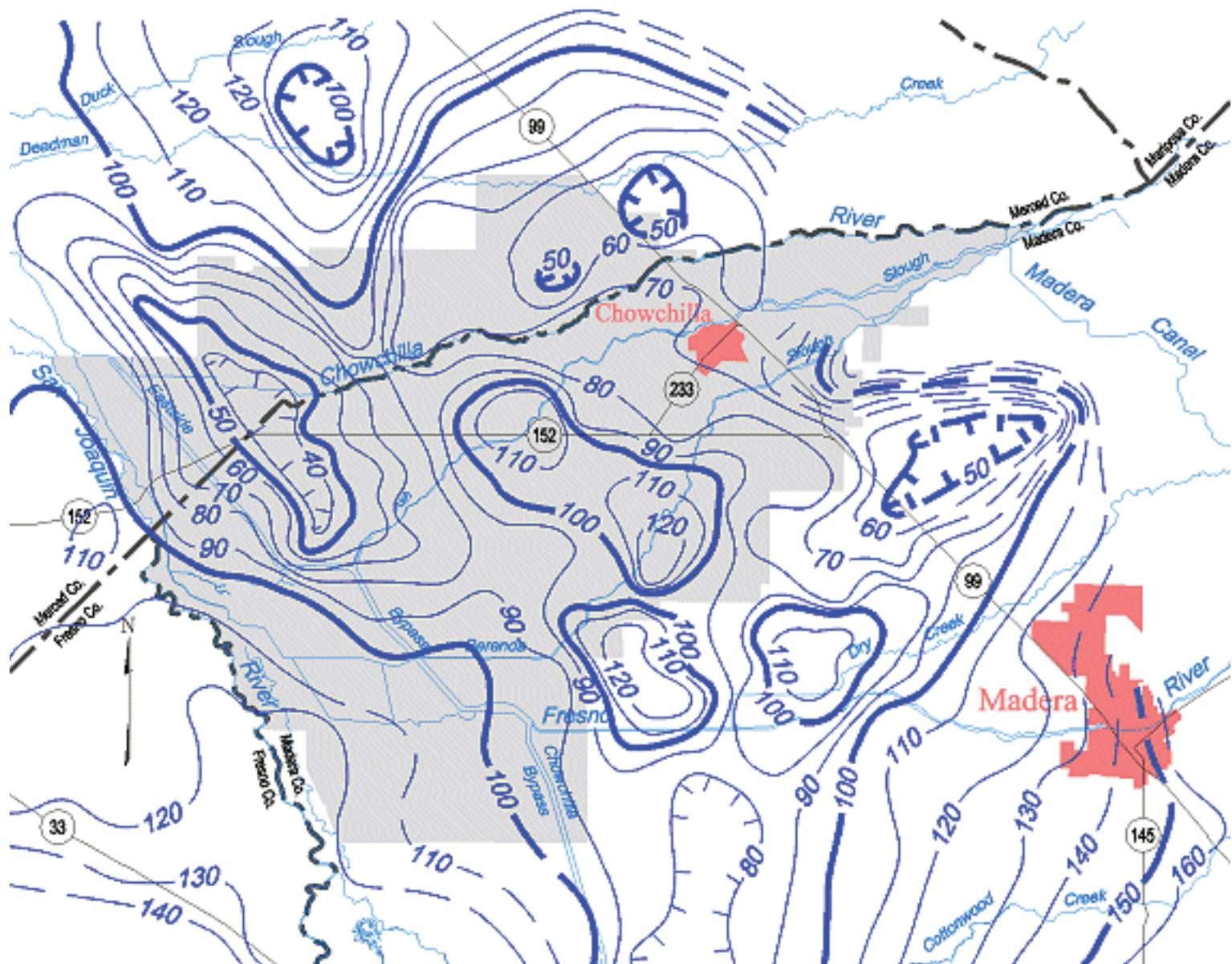
Spring 1999, Lines of Equal Elevation of
Water in Wells, Unconfined Aquifer



Chowchilla Groundwater Basin

Spring 2000, Lines of Equal Elevation of
Water in Wells, Unconfined Aquifer

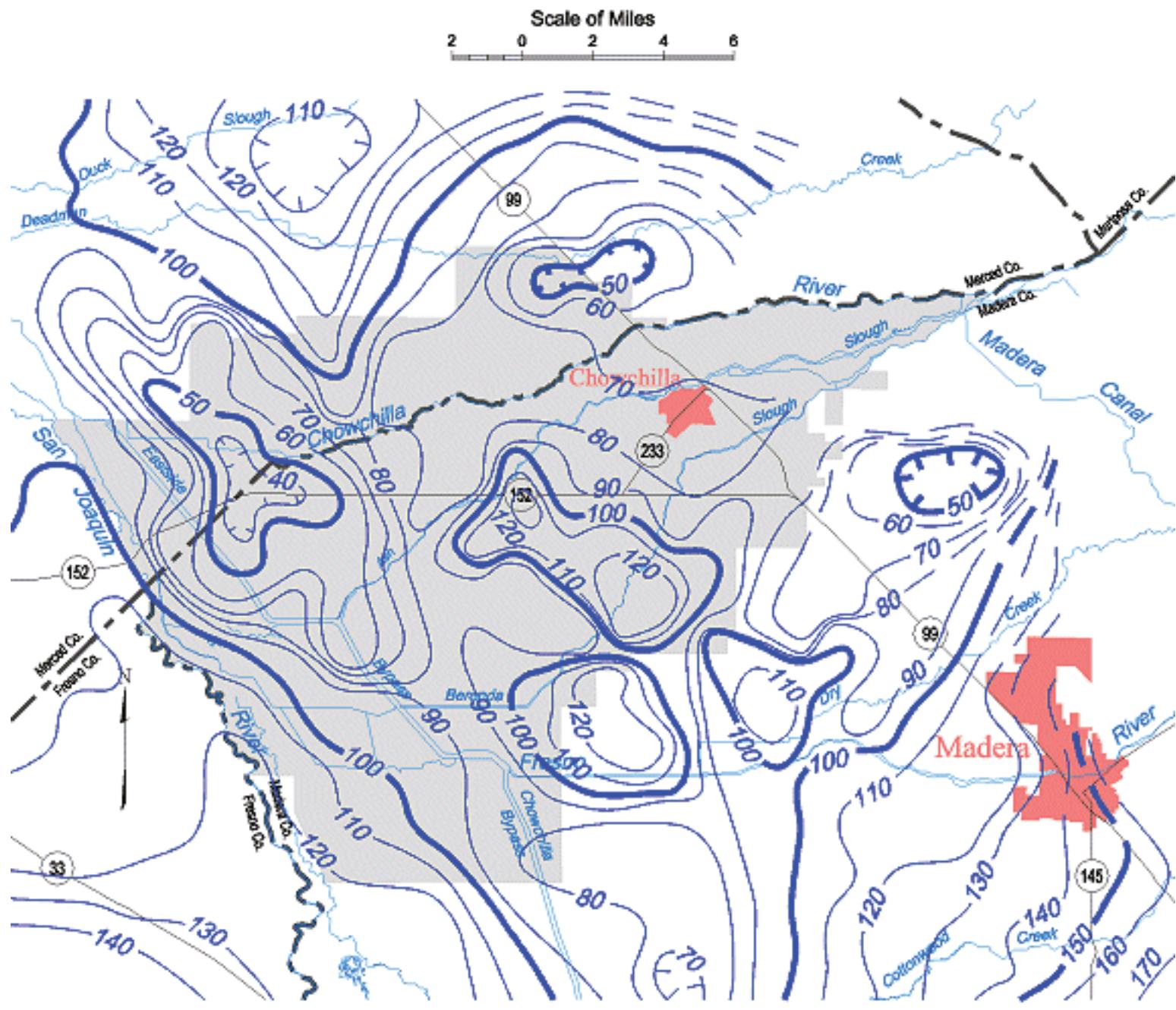
Scale of Miles
2 0 2 4 6



Contours are dashed where inferred. Contour interval is 10 feet.

Chowchilla Groundwater Basin

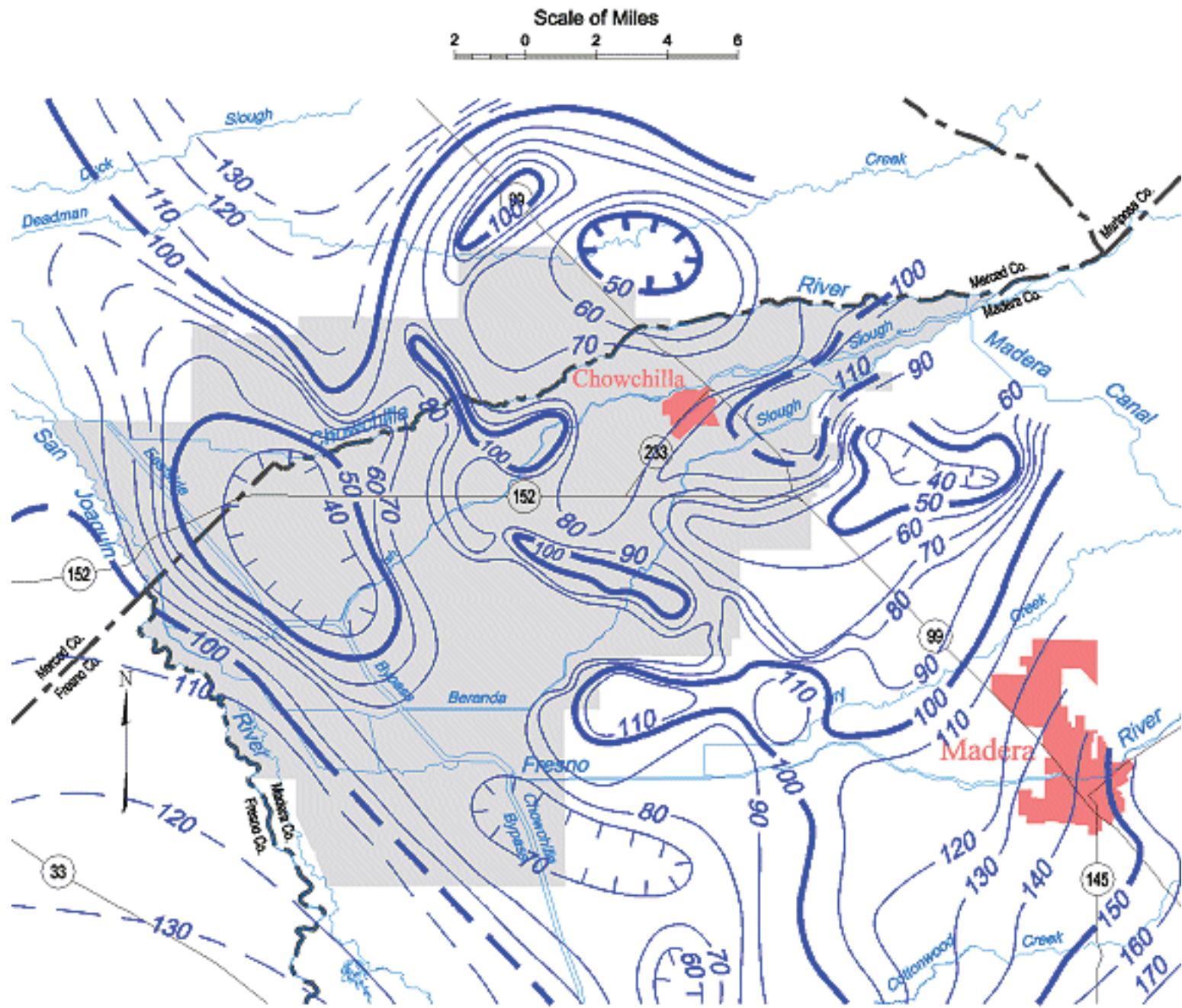
Spring 2001, Lines of Equal Elevation of
Water in Wells, Unconfined Aquifer



Contours are dashed where inferred. Contour interval is 10 feet.

Chowchilla Groundwater Basin

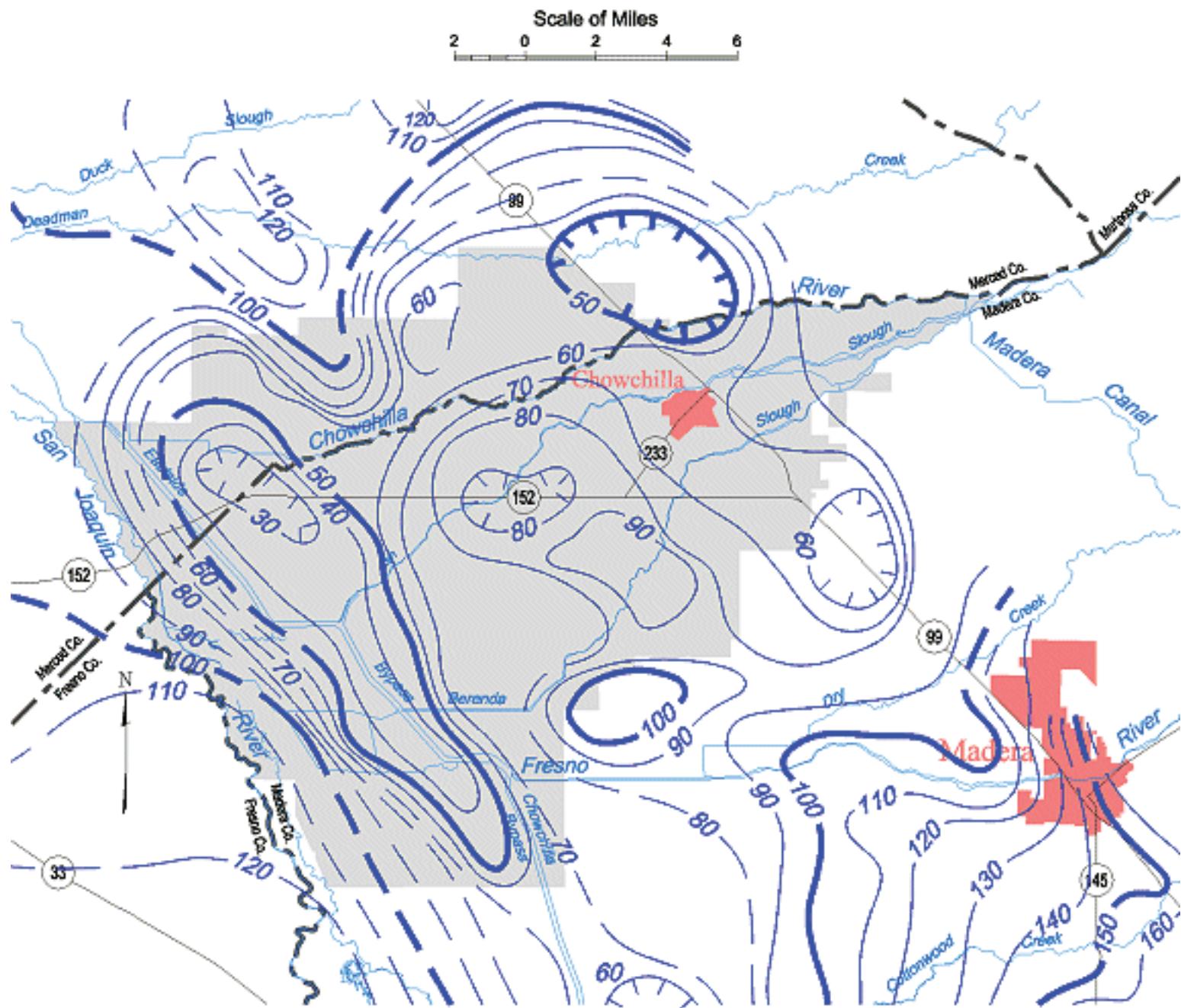
Spring 2002, Lines of Equal Elevation of Water in Wells, Unconfined Aquifer



Contours are dashed where inferred. Contour interval is 10 feet.

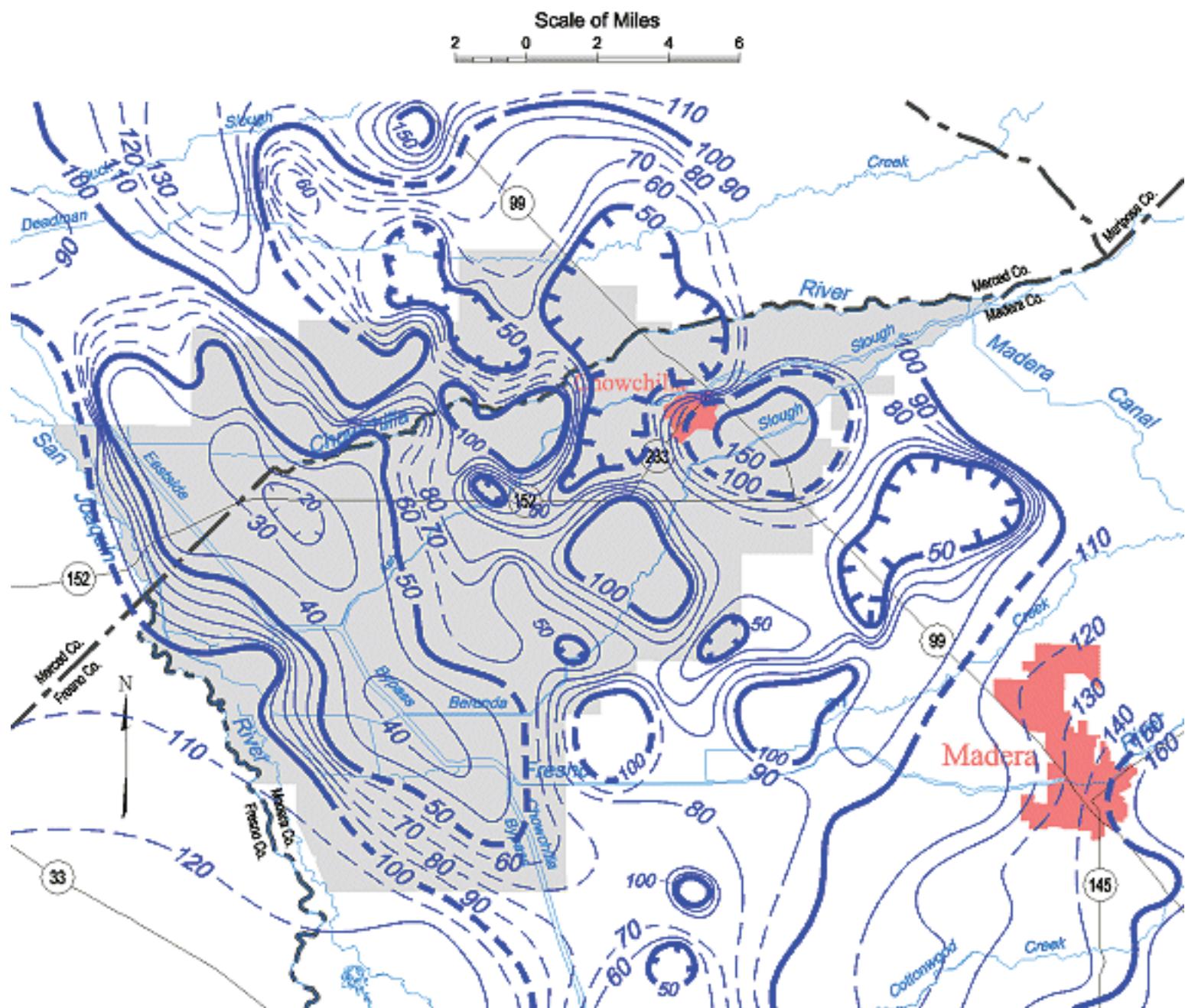
Chowchilla Groundwater Basin

Spring 2003, Lines of Equal Elevation of
Water in Wells, Unconfined Aquifer



Chowchilla Groundwater Basin

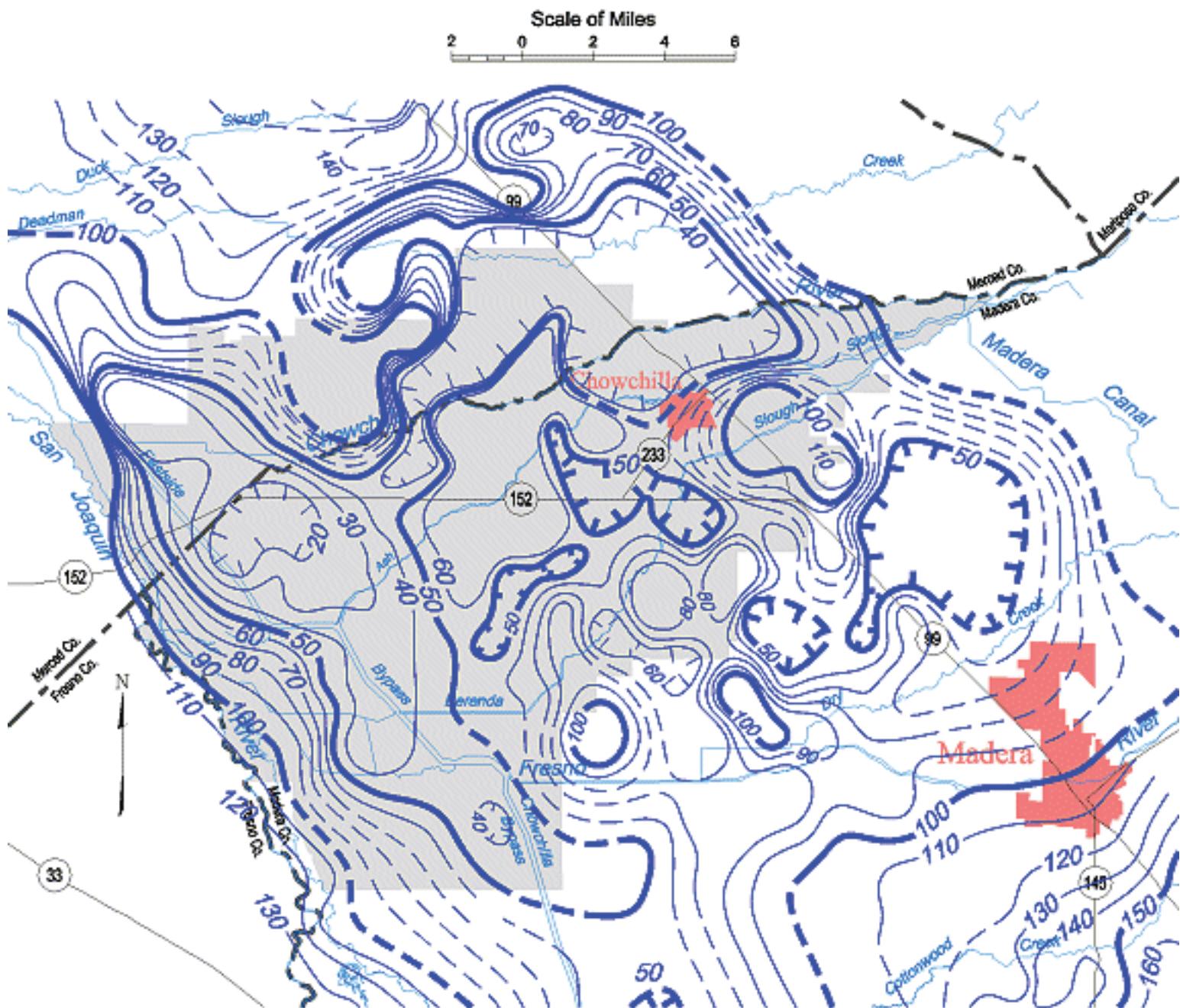
Spring 2004, Lines of Equal Elevation of
Water in Wells, Unconfined Aquifer



Contours are dashed where inferred. Contour interval is 10 and 50 feet.

Chowchilla Groundwater Basin

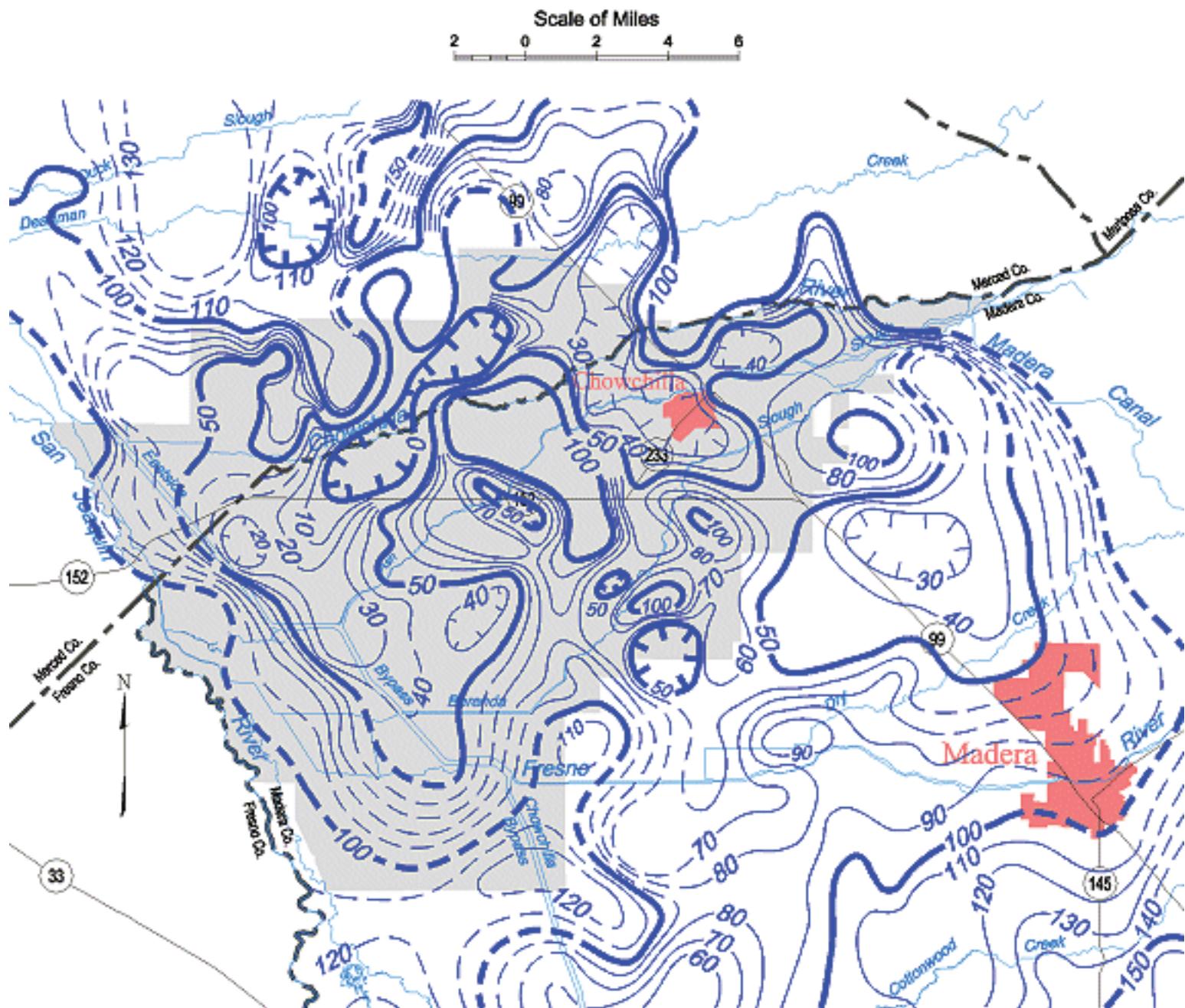
Spring 2005, Lines of Equal Elevation of
Water in Wells, Unconfined Aquifer



Contours are dashed where inferred. Contour interval is 10 feet.

Chowchilla Groundwater Basin

Spring 2006, Lines of Equal Elevation of
Water in Wells, Unconfined Aquifer

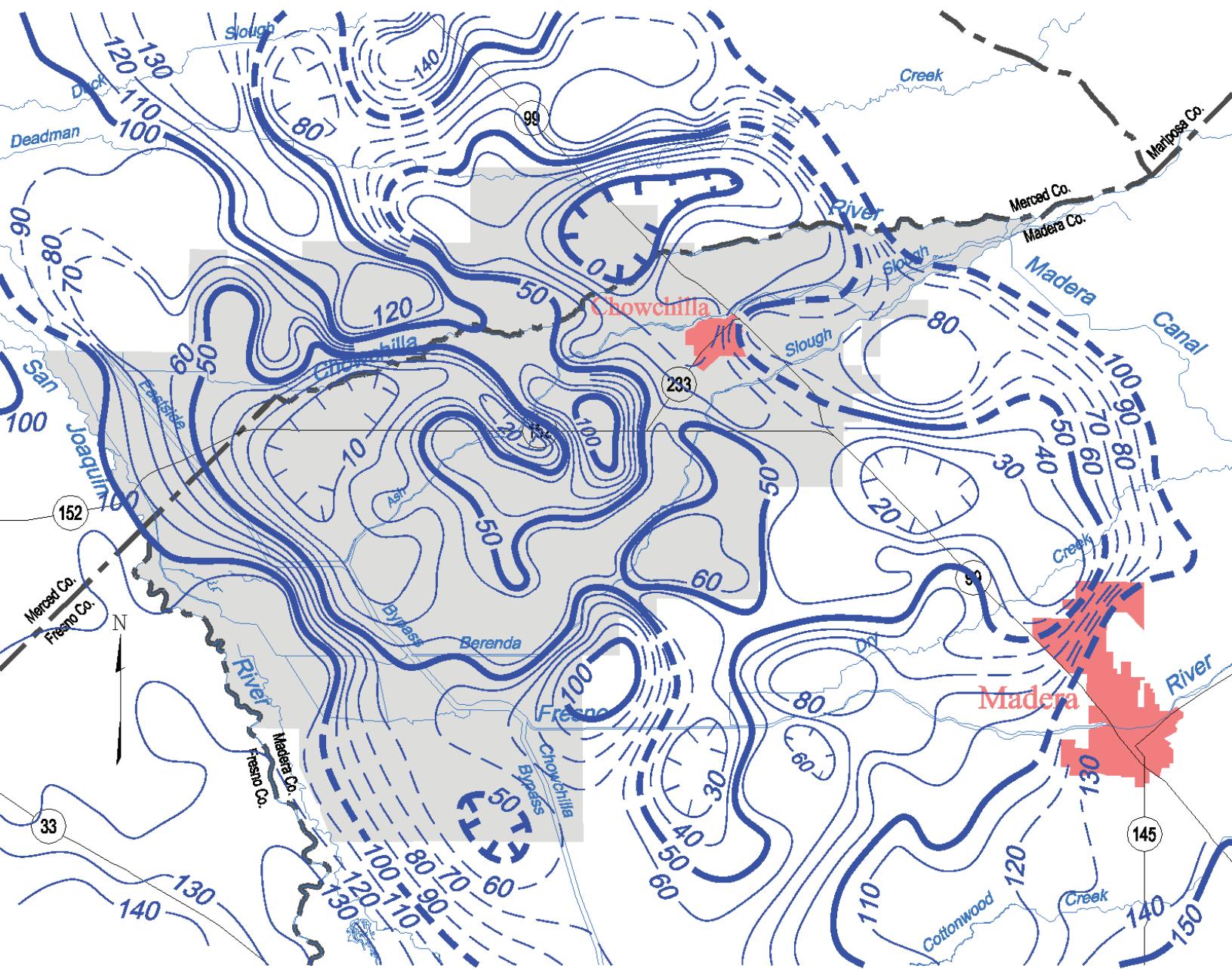


Contours are dashed where inferred. Contour interval is 10 and 20 feet.

Chowchilla Groundwater Basin

Spring 2007, Lines of Equal Elevation of
Water in Wells, Unconfined Aquifer

Scale of Miles
2 0 2 4 6

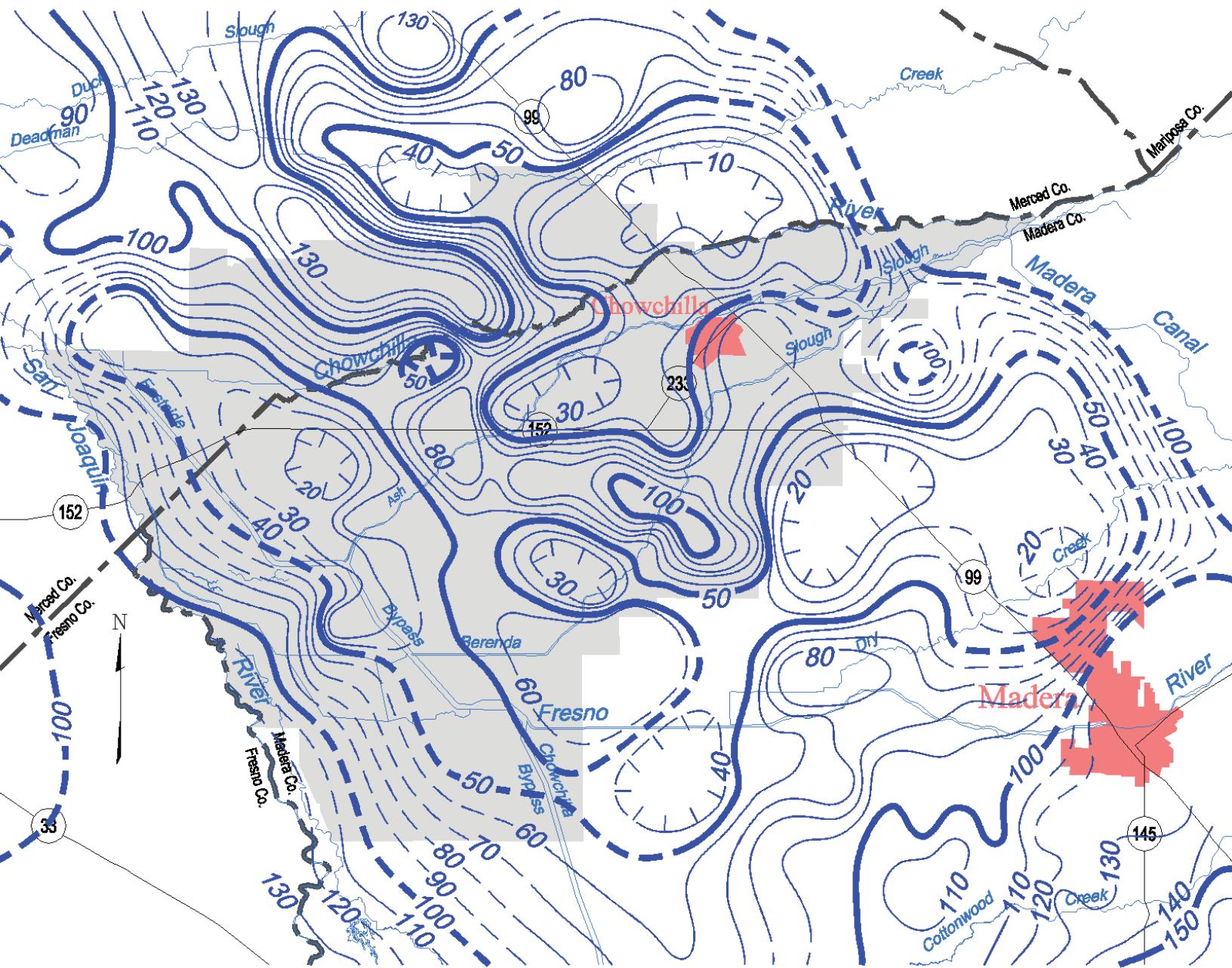


Contours are dashed where inferred. Contour interval is 10 feet.

Chowchilla Groundwater Basin

Spring 2008, Lines of Equal Elevation of
Water in Wells, Unconfined Aquifer

Scale of Miles
2 0 2 4 6

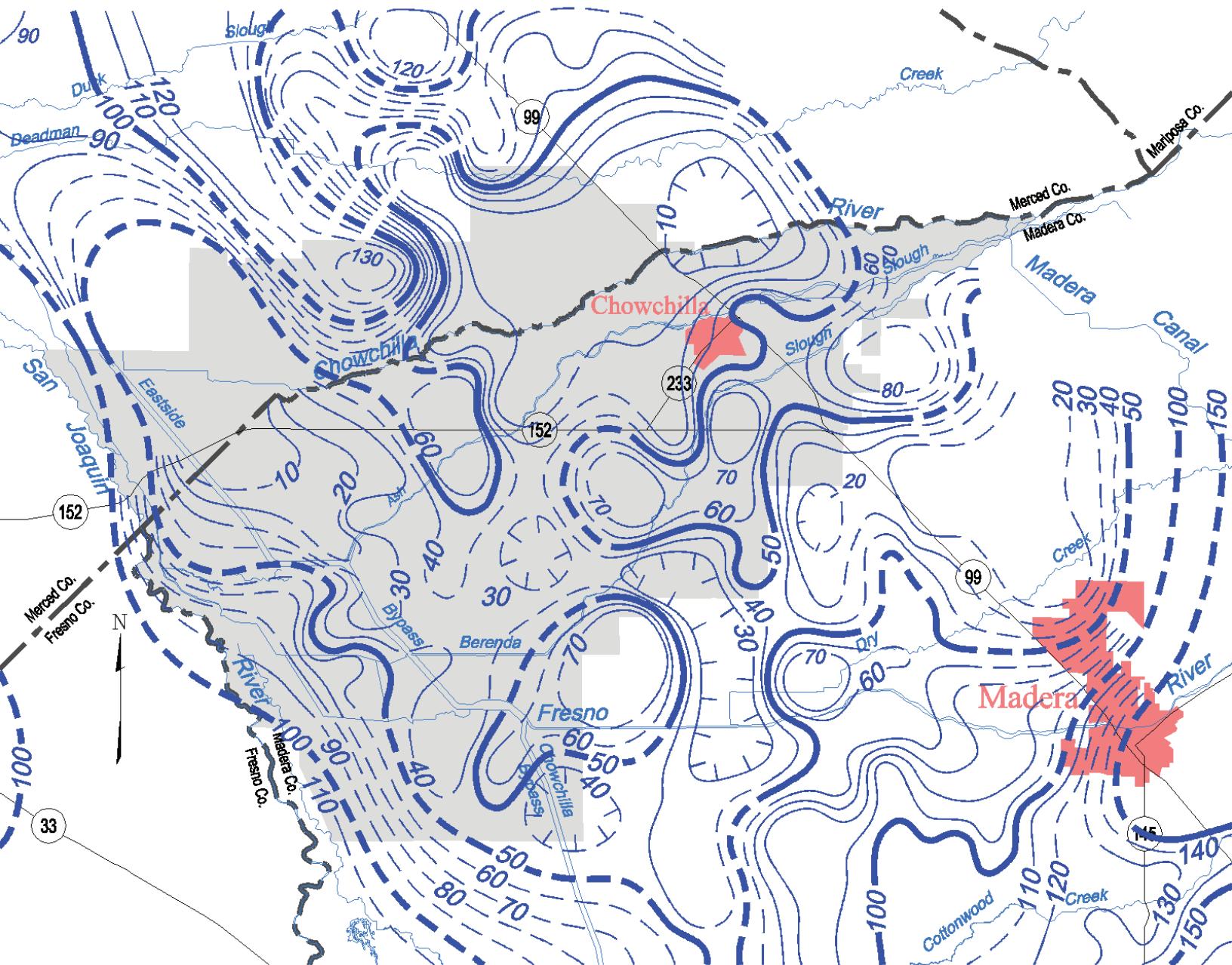


Contours are dashed where inferred. Contour interval is 10 feet.

Chowchilla Groundwater Basin

Spring 2009, Lines of Equal Elevation of
Water in Wells, Unconfined Aquifer

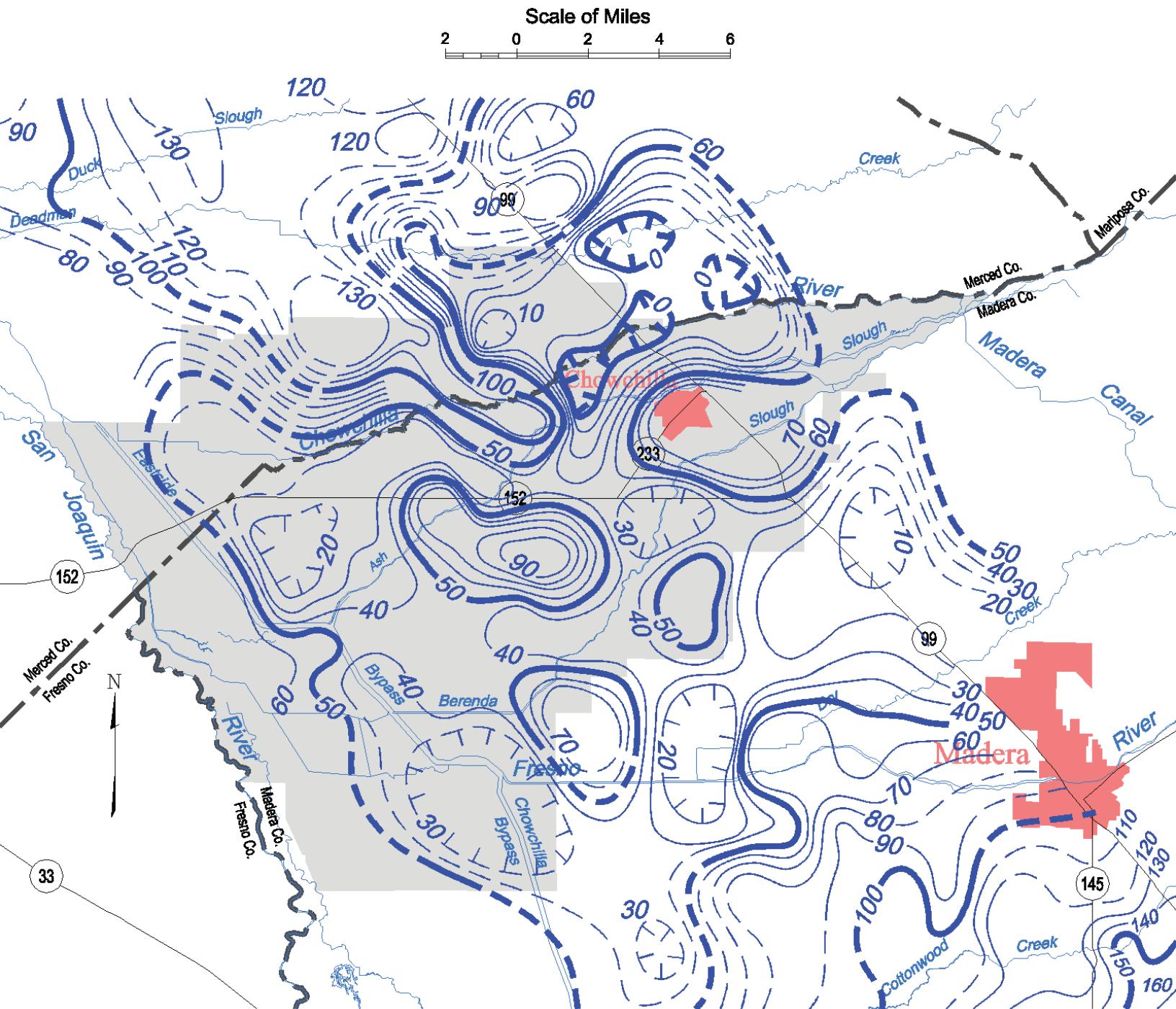
Scale of Miles
2 0 2 4 6



Contours are dashed where inferred. Contour interval is 10 feet.

Chowchilla Groundwater Basin

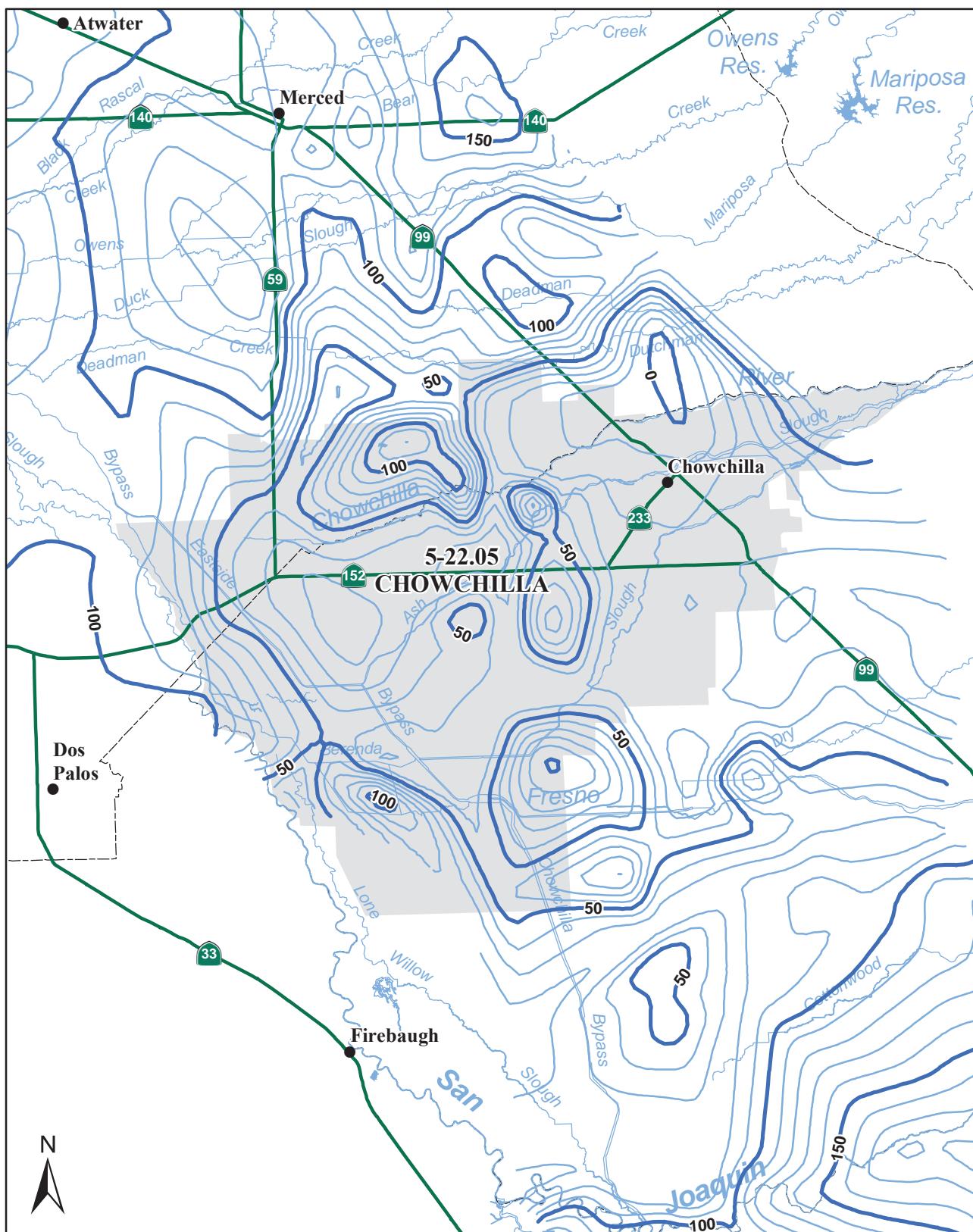
Spring 2010, Lines of Equal Elevation of
Water in Wells, Unconfined Aquifer



Chowchilla Groundwater Basin 5-22.05

Groundwater Elevation Contours - Spring 2011

San Joaquin River Hydrologic Region



Lines of equal elevation of groundwater in feet above mean sea level.

Groundwater contours are a generalized representation of static water levels interpreted from wells measured in Spring 2011.

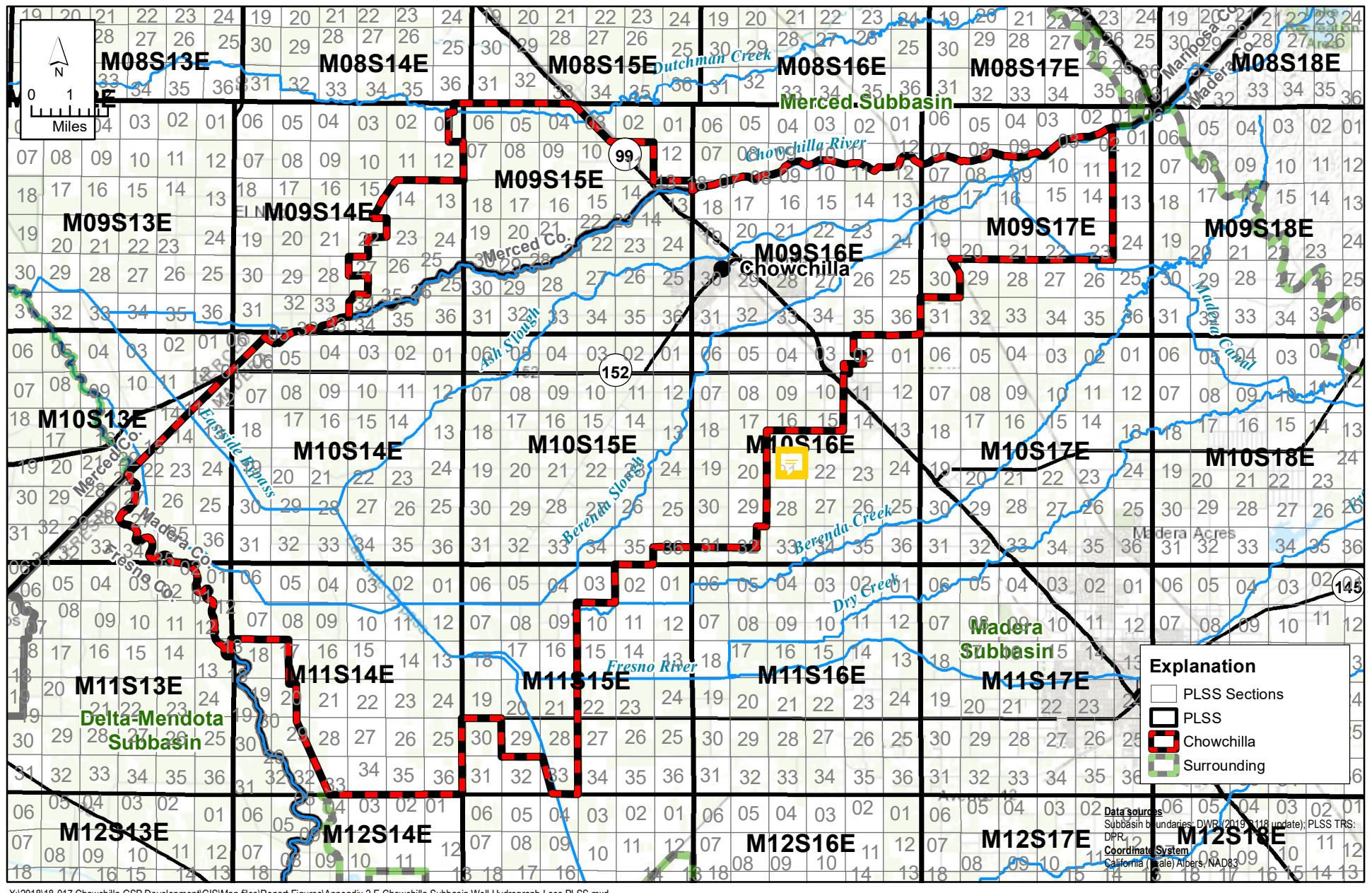
Water levels are interpreted to represent unconfined conditions.

0 5 10 Miles



South Central
Region Office
A2.E-35

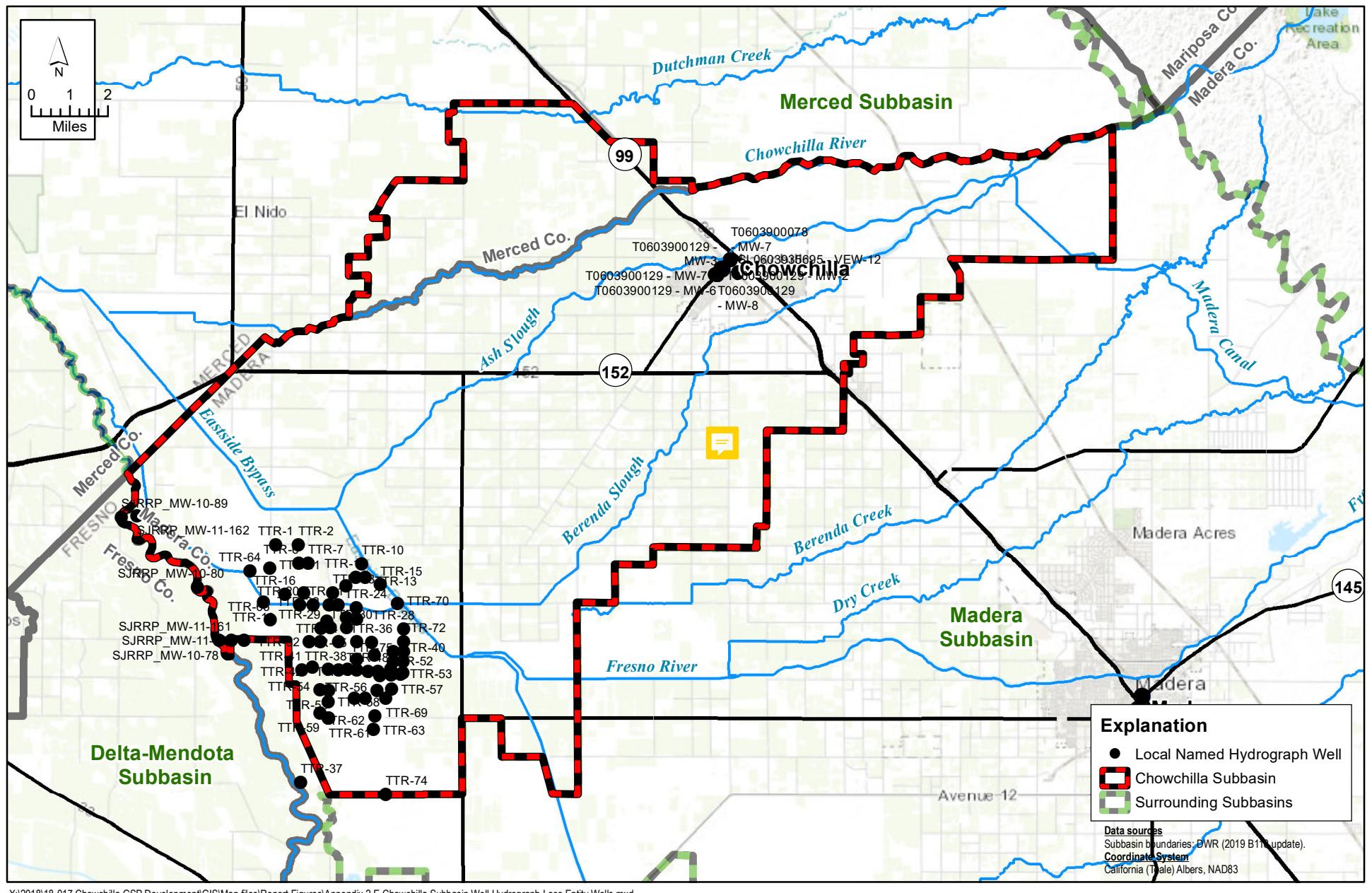
Groundwater Elevation Hydrographs



X:\2018\18-017 Chowchilla GSP Development\GIS\Map files\Report Figures\Appendix 2.E Chowchilla Subbasin Well Hydrograph Locs PLSS.mxd



APPENDIX 2.E Groundwater Elevation Hydrograph Location Map: Using PLSS for State Well Numbers

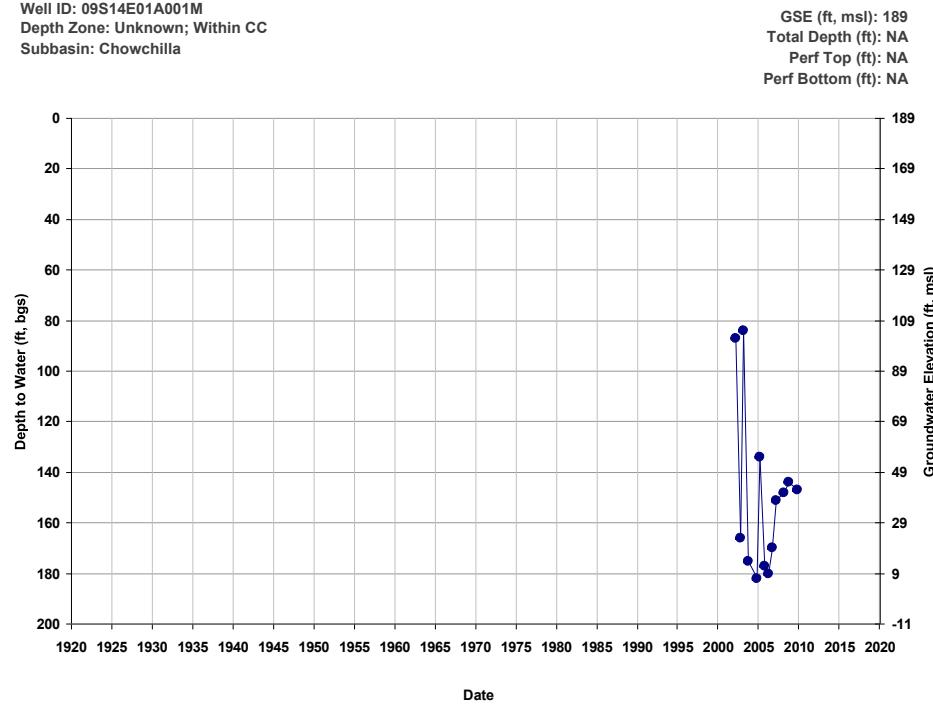


X:\2018\18-017 Chowchilla GSP Development\GIS\Map files\Report Figures\Appendix 2.E Chowchilla Subbasin Well Hydrograph Locs Entity Wells.mxd

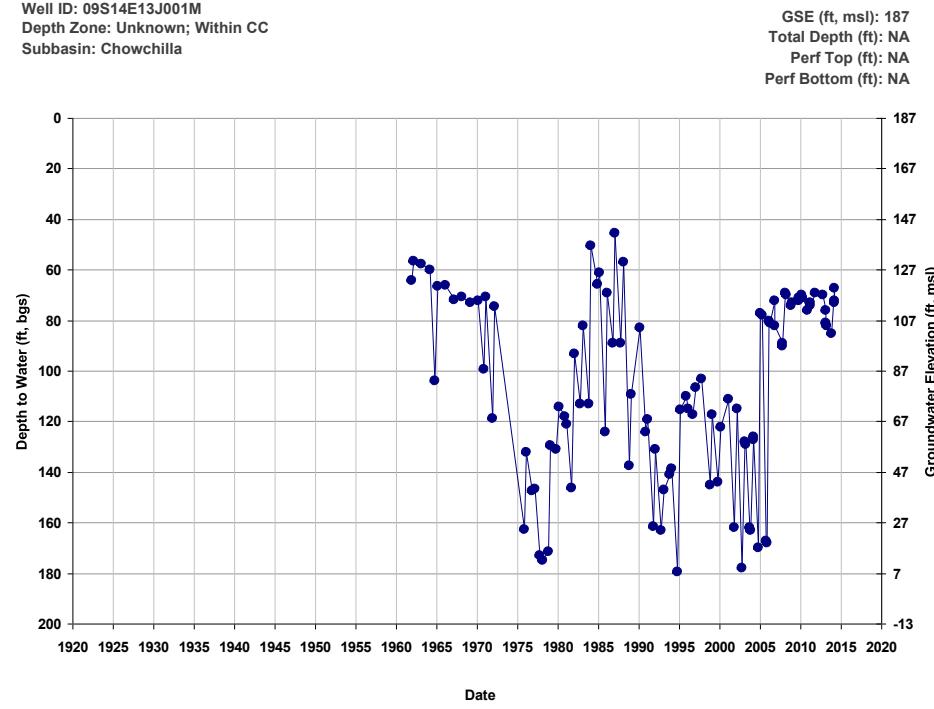


APPENDIX 2.E Groundwater Elevation Hydrograph Location Map: Local Named Well

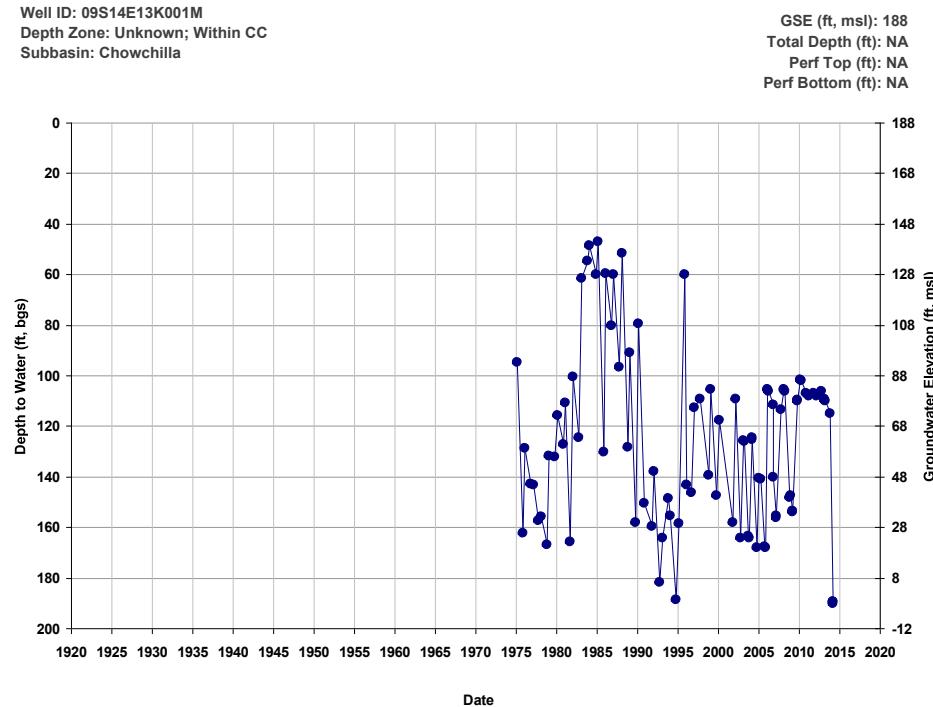
Well ID: 09S14E01A001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla



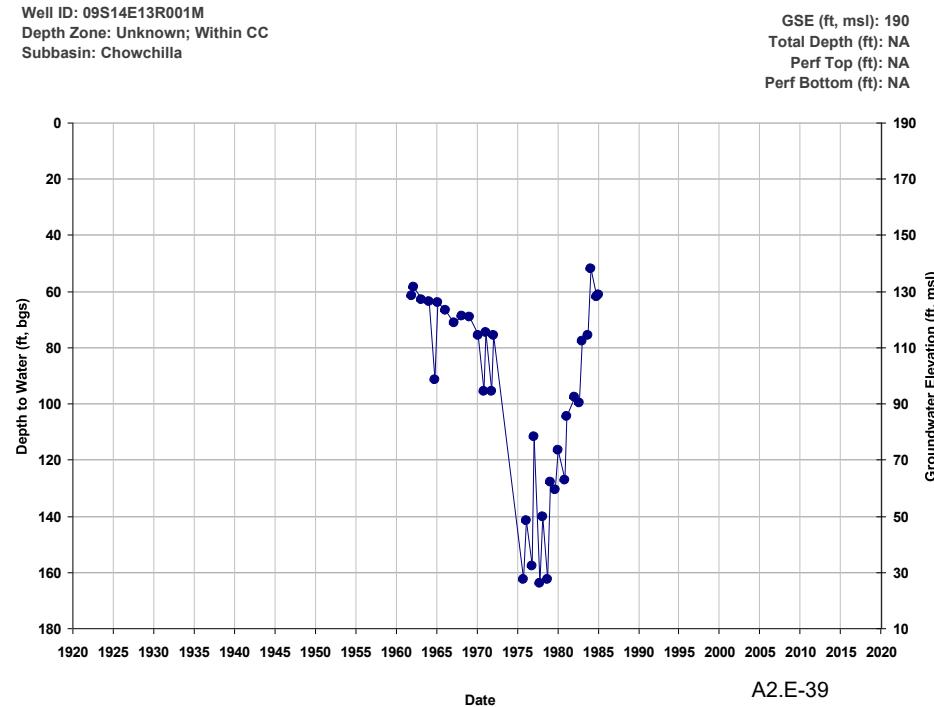
Well ID: 09S14E13J001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla



Well ID: 09S14E13K001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla



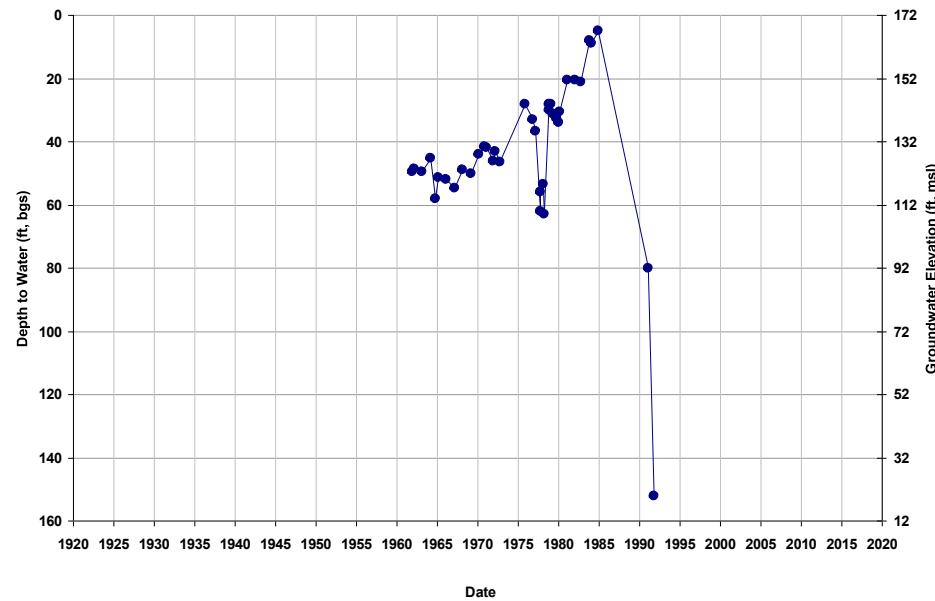
Well ID: 09S14E13R001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla



A2.E-39

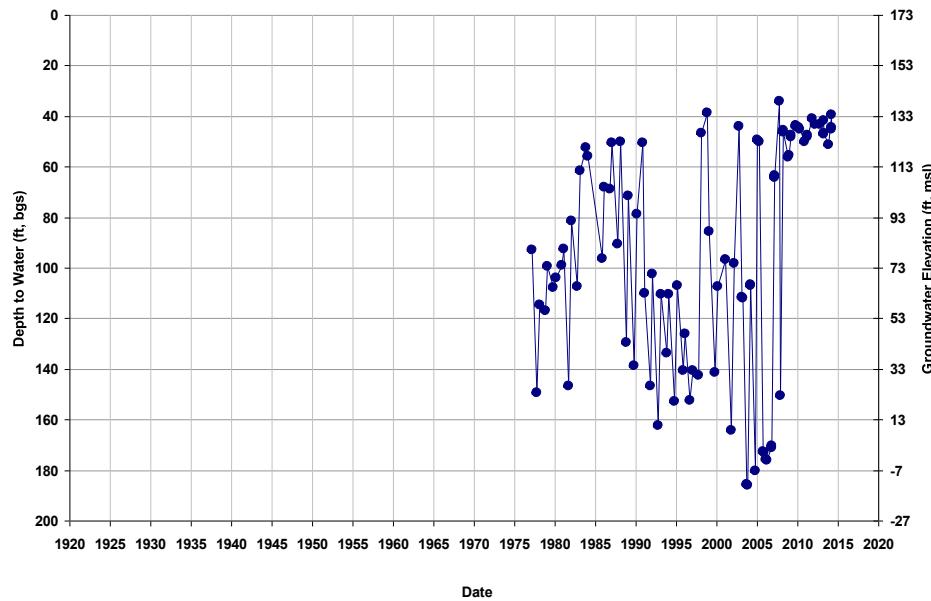
Well ID: 09S14E14E001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 172
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



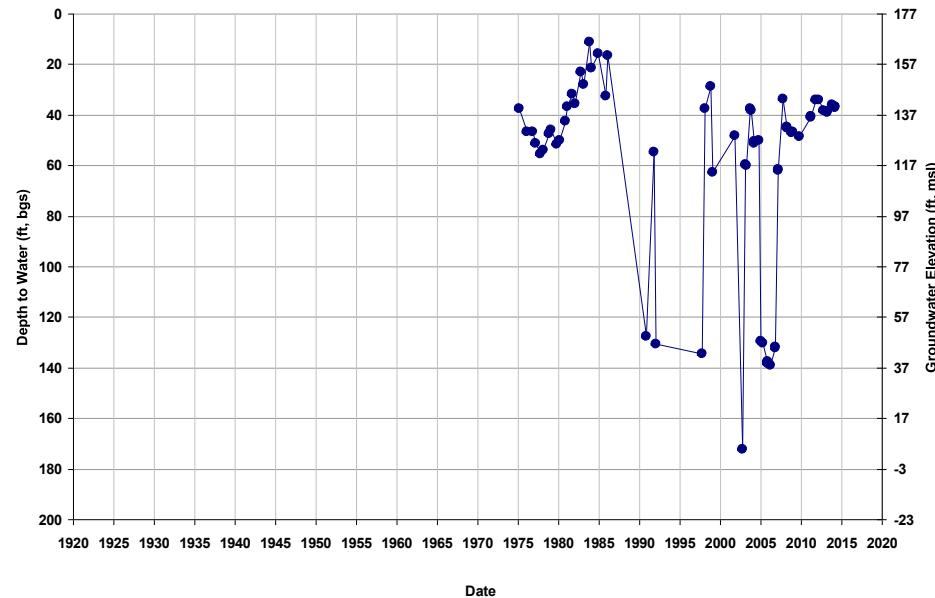
Well ID: 09S14E14K001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 173
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



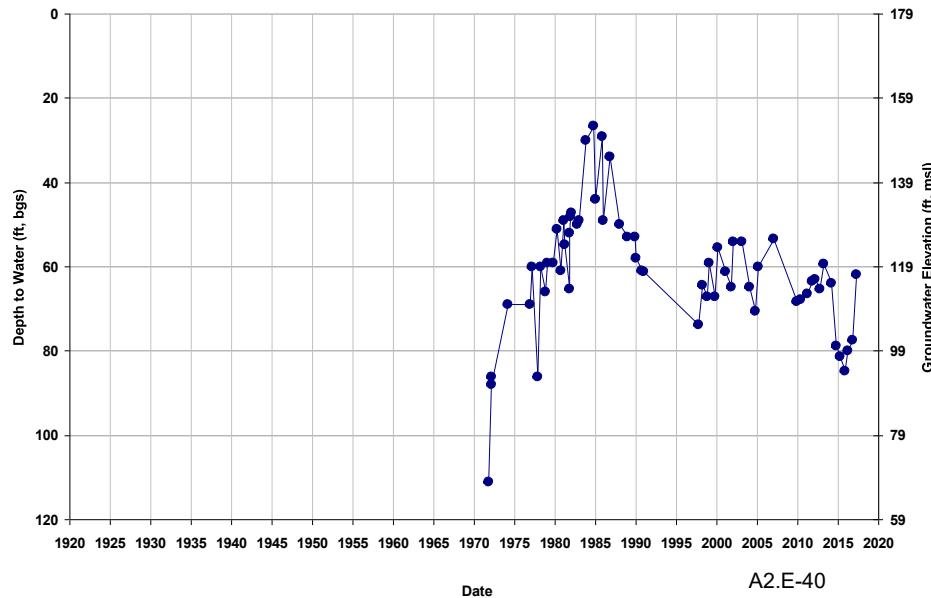
Well ID: 09S14E14L001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 177
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 09S14E14R001M
Depth Zone: Composite or Lower; Wi
Subbasin: Chowchilla

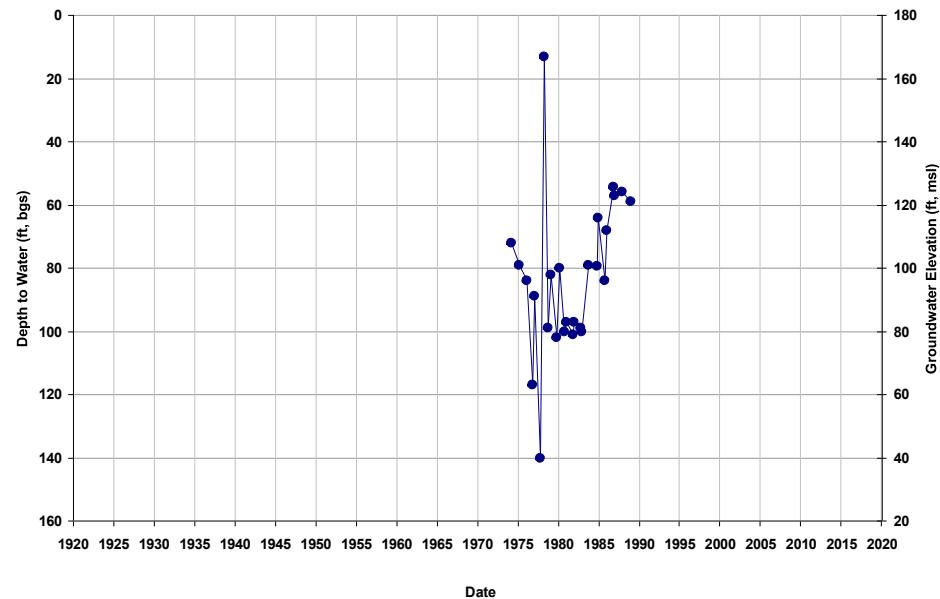
GSE (ft, msl): 179
Total Depth (ft): 560
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-40

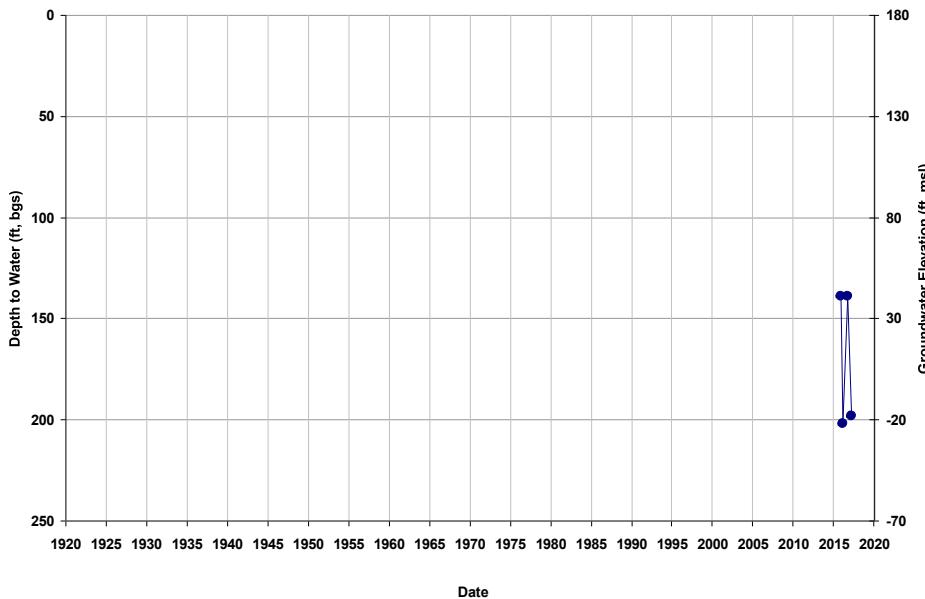
Well ID: 09S14E23A001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 180
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



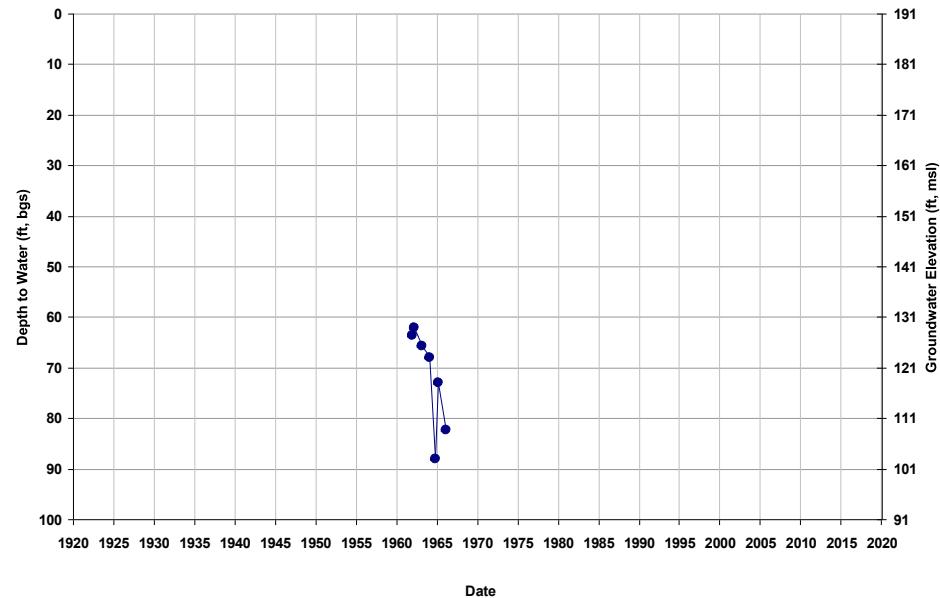
Well ID: 09S14E24H
Depth Zone: Lower; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 180
Total Depth (ft): 900
Perf Top (ft): 324
Perf Bottom (ft): 828



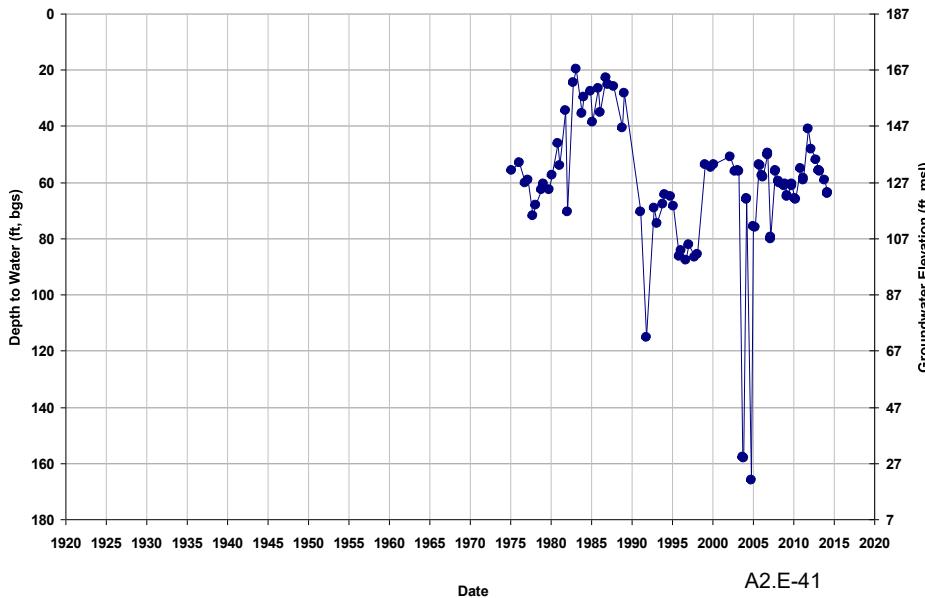
Well ID: 09S14E24R001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 191
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 09S14E25A001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

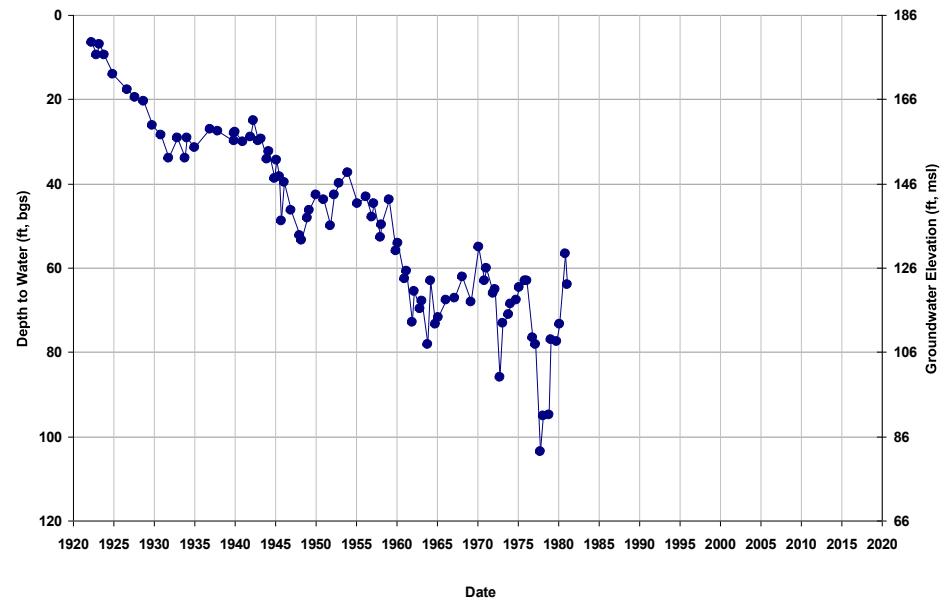
GSE (ft, msl): 187
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-41

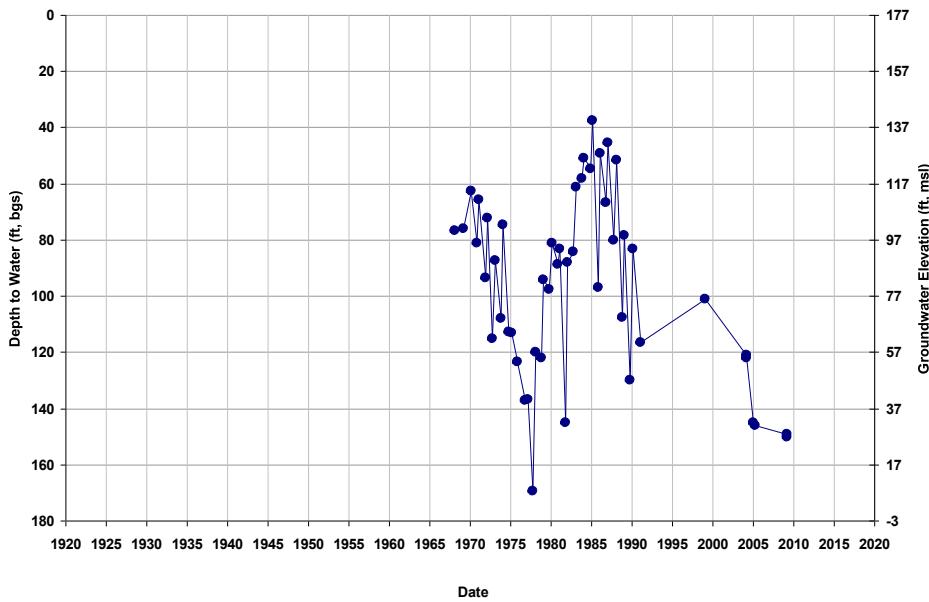
Well ID: 09S14E25R001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 186
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



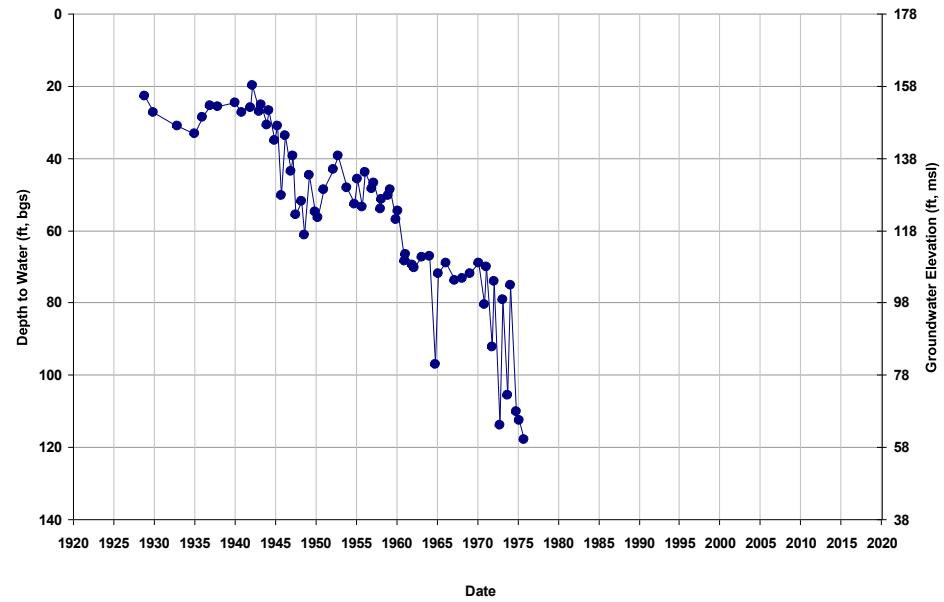
Well ID: 09S14E26J001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 177
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



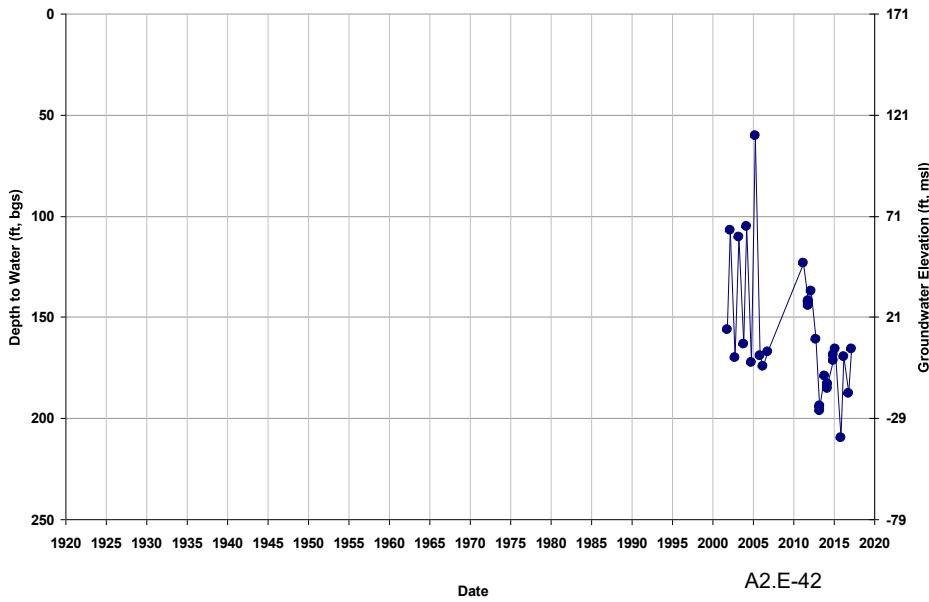
Well ID: 09S14E26R001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 178
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



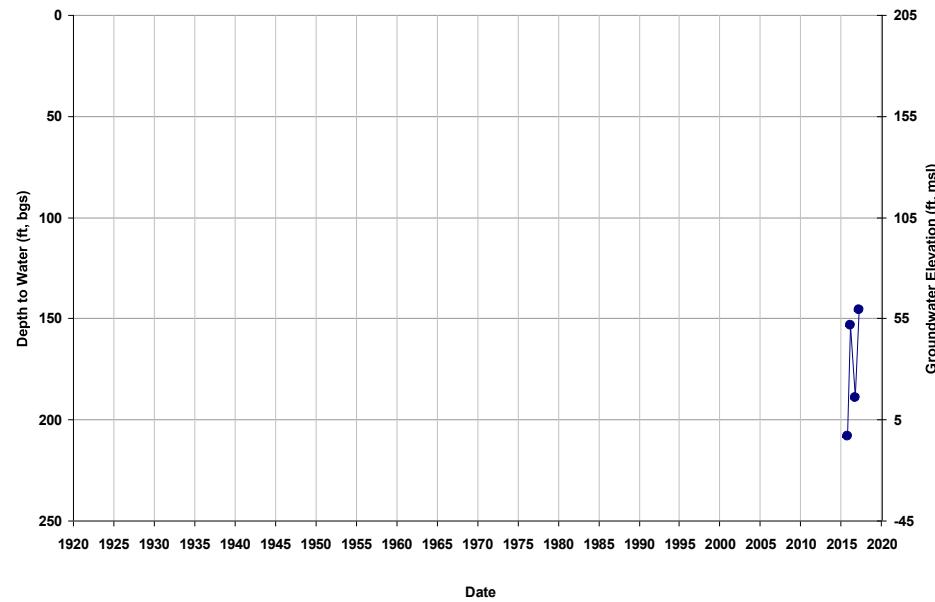
Well ID: 09S14E27R001M
Depth Zone: Lower; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 171
Total Depth (ft): 275
Perf Top (ft): 160
Perf Bottom (ft): 275



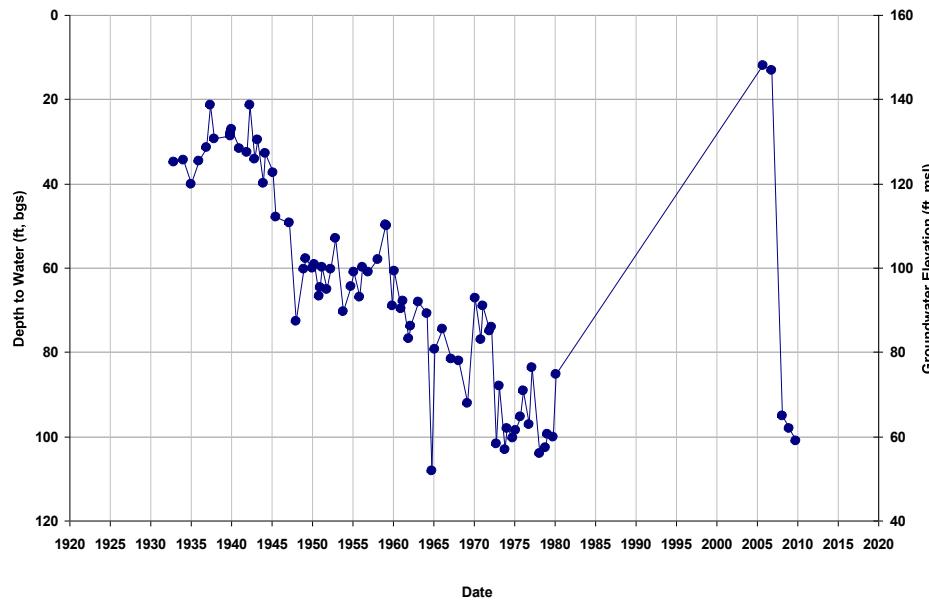
Well ID: 09S14E33L
Depth Zone: Lower; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 205
Total Depth (ft): 290
Perf Top (ft): 265
Perf Bottom (ft): 285



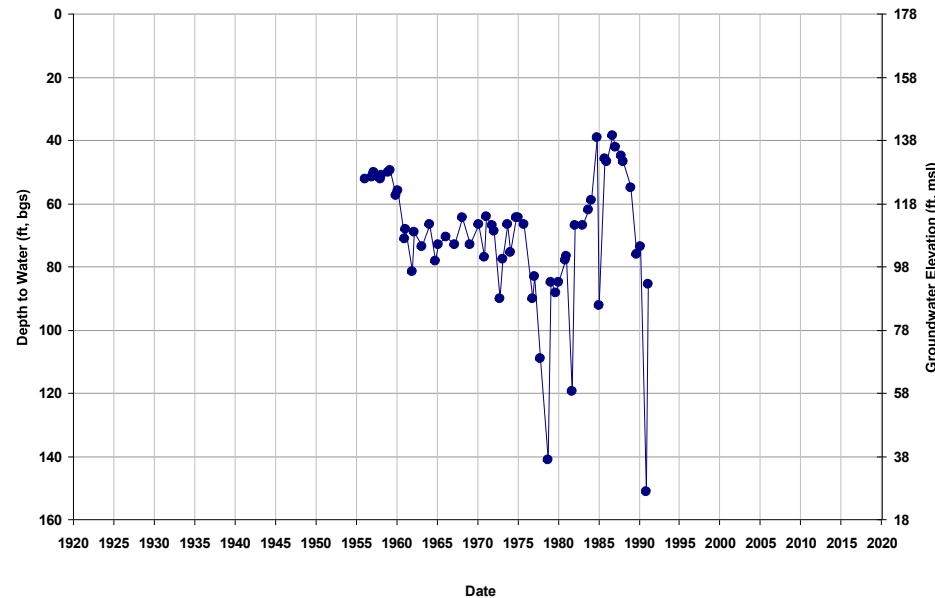
Well ID: 09S14E33R001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 159
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



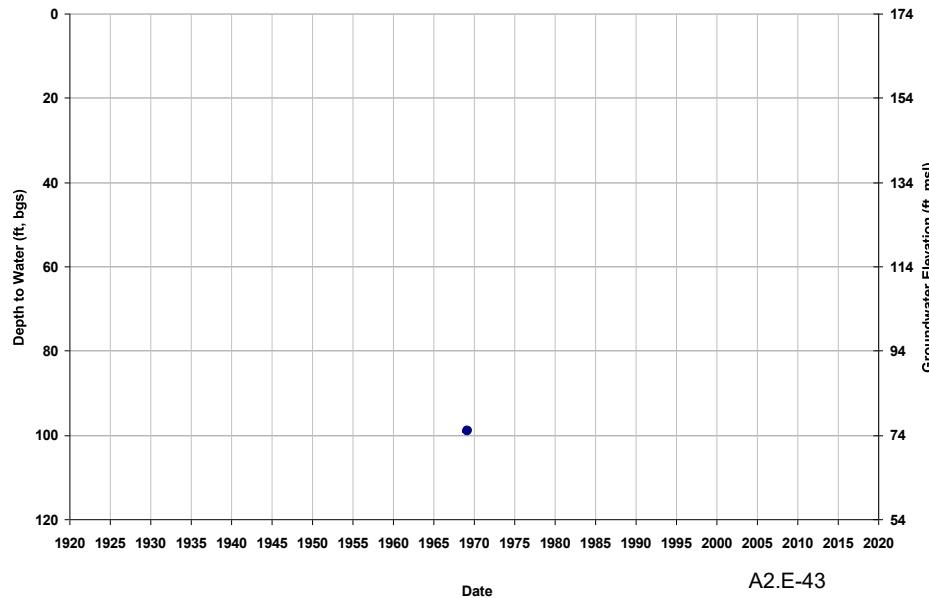
Well ID: 09S14E35J001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 177
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 09S14E35L001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

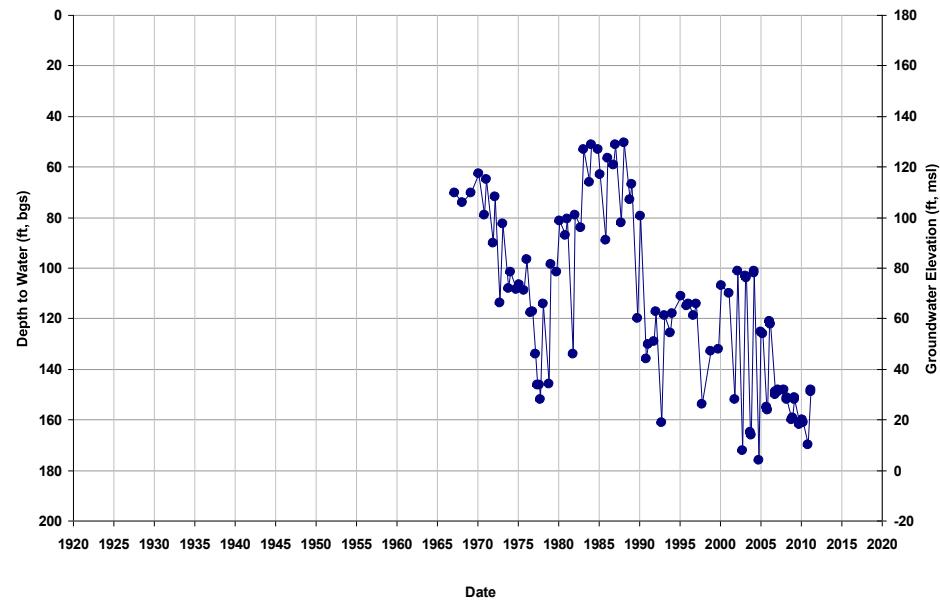
GSE (ft, msl): 174
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-43

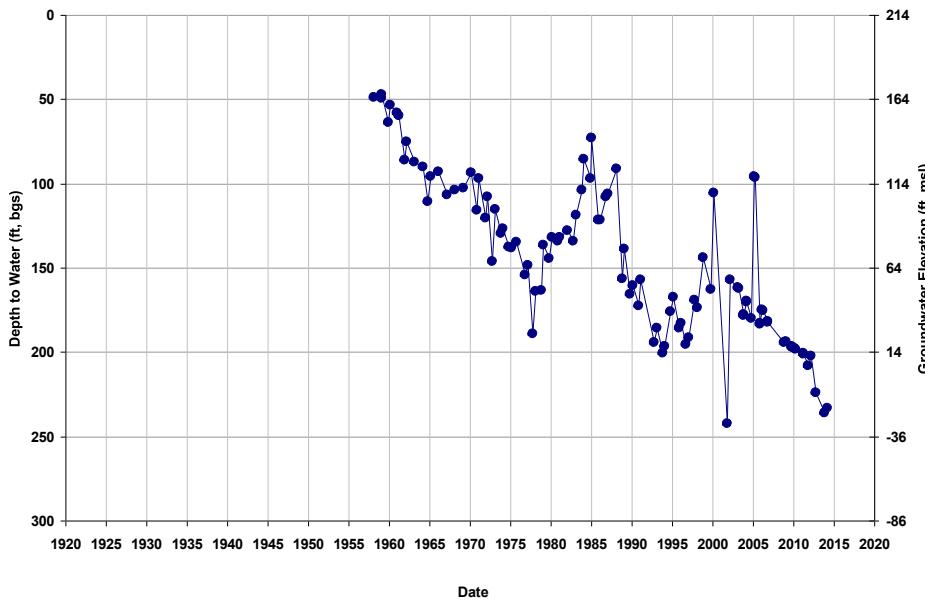
Well ID: 09S14E36C001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 180
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



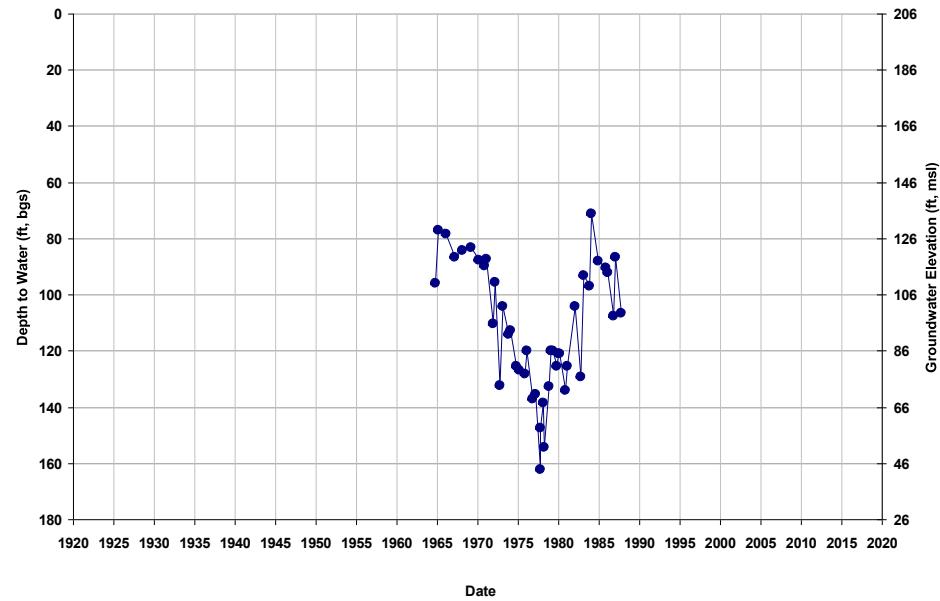
Well ID: 09S15E04R001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 214
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



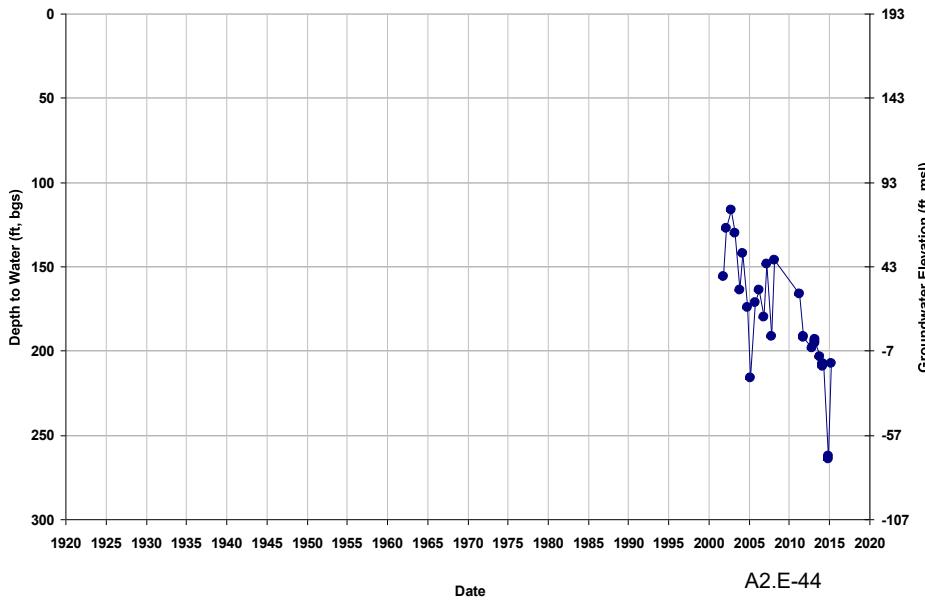
Well ID: 09S15E05A001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 206
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 09S15E06P001M
Depth Zone: Lower; Within CC
Subbasin: Chowchilla

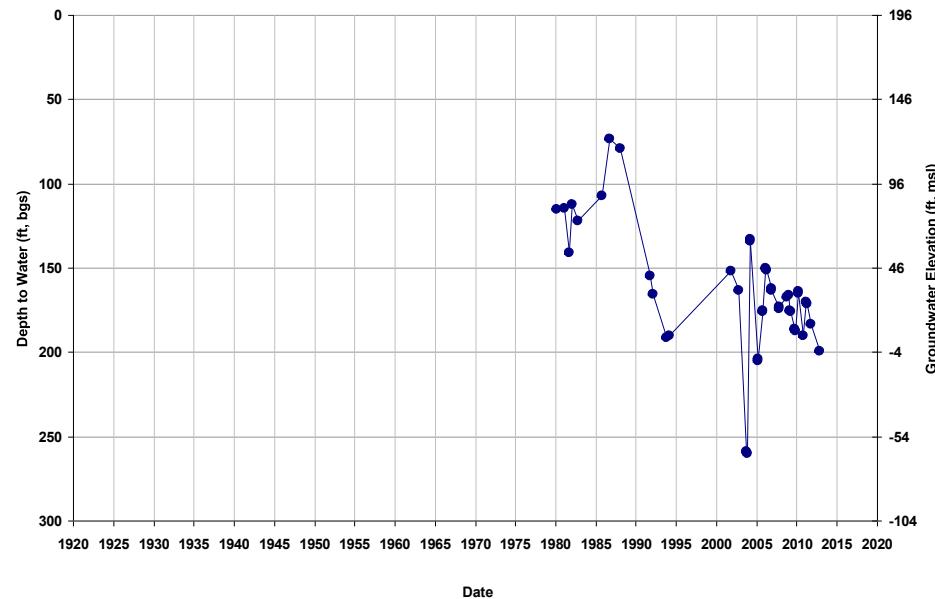
GSE (ft, msl): 193
Total Depth (ft): 780
Perf Top (ft): 230
Perf Bottom (ft): 775



A2.E-44

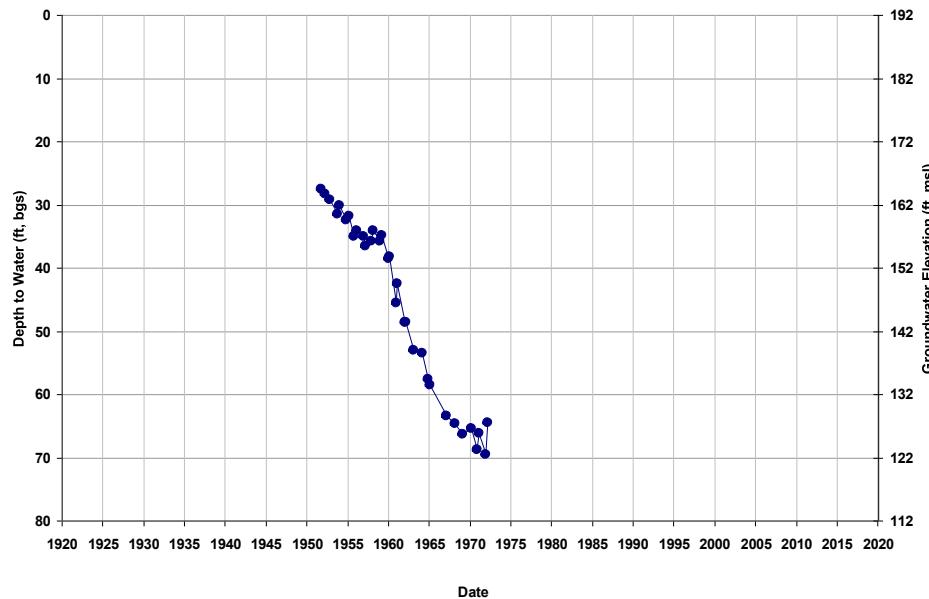
Well ID: 09S15E07H001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 196
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



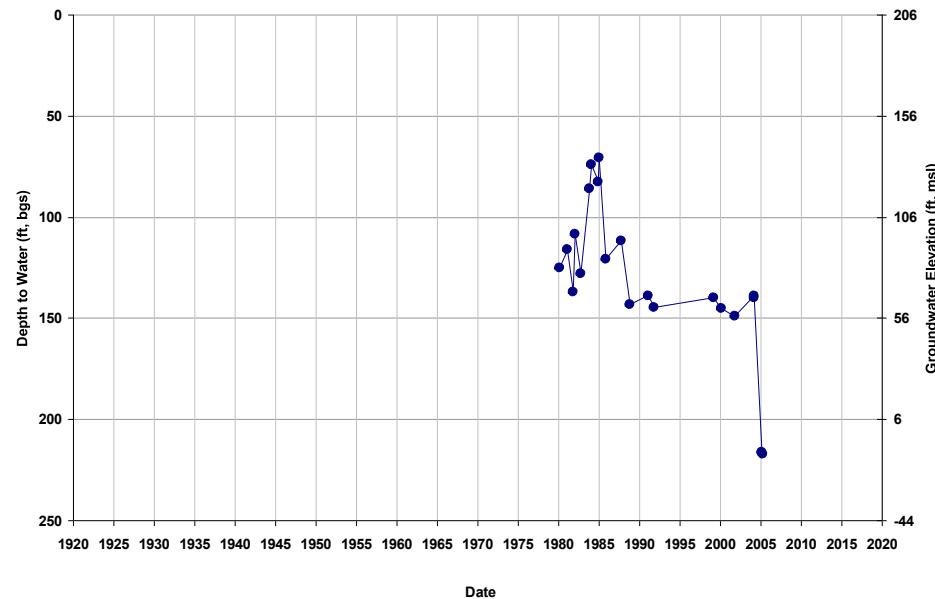
Well ID: 09S15E07L001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 192
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



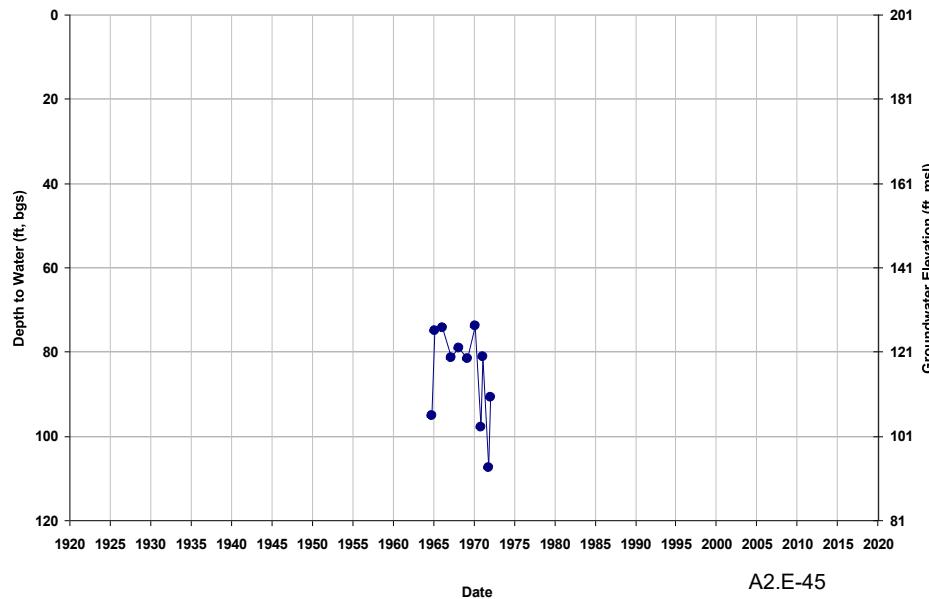
Well ID: 09S15E08A001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 206
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



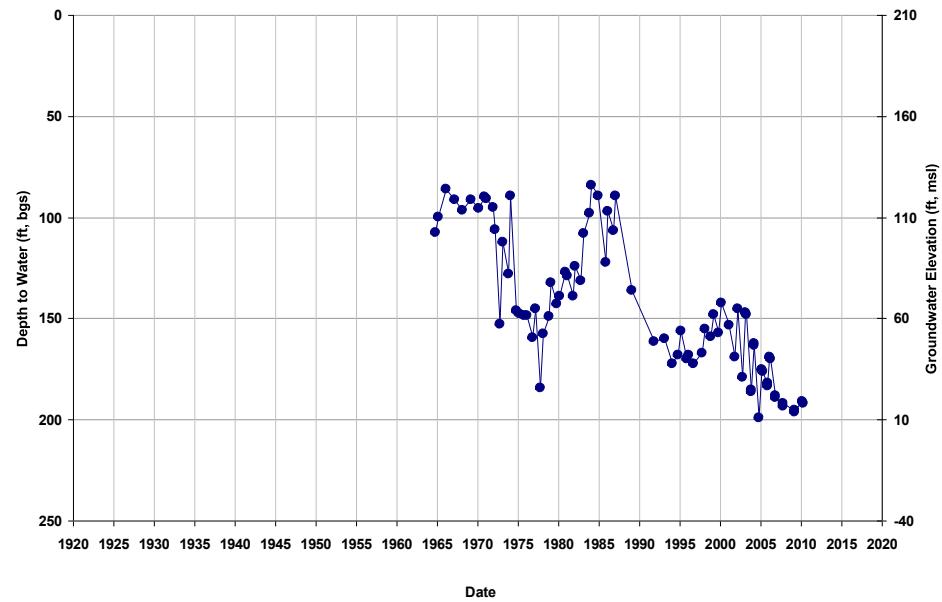
Well ID: 09S15E08C001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 201
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



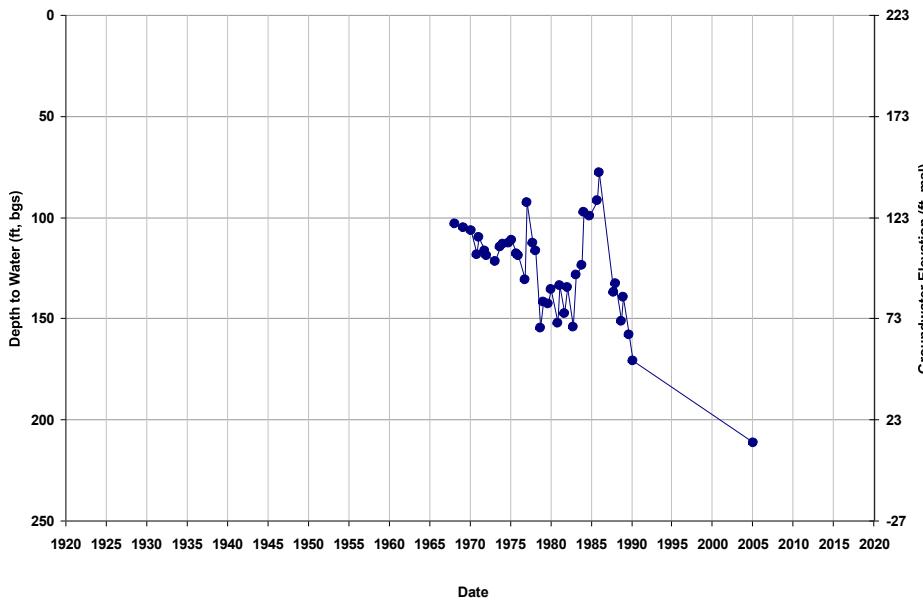
Well ID: 09S15E09P001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 210
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



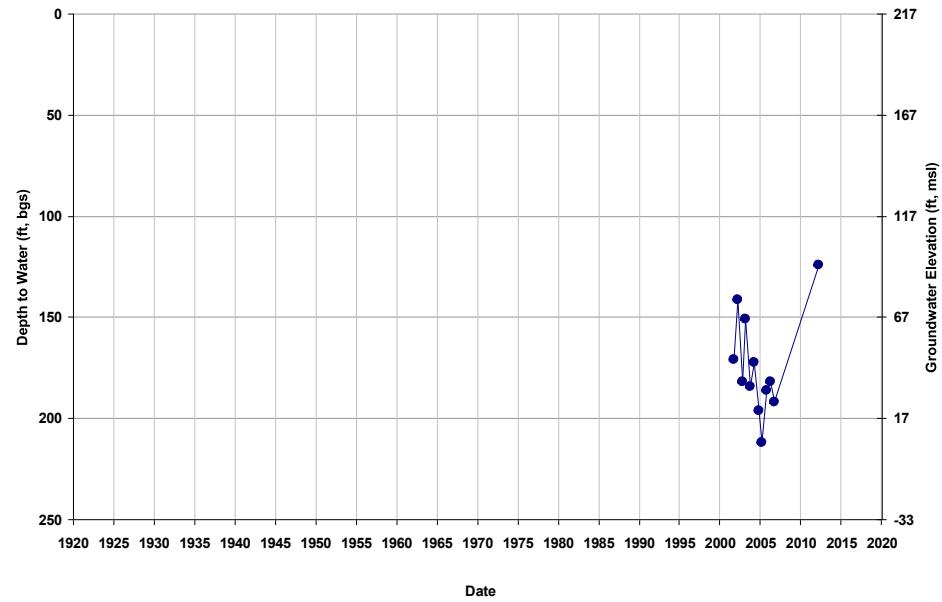
Well ID: 09S15E10A001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 223
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



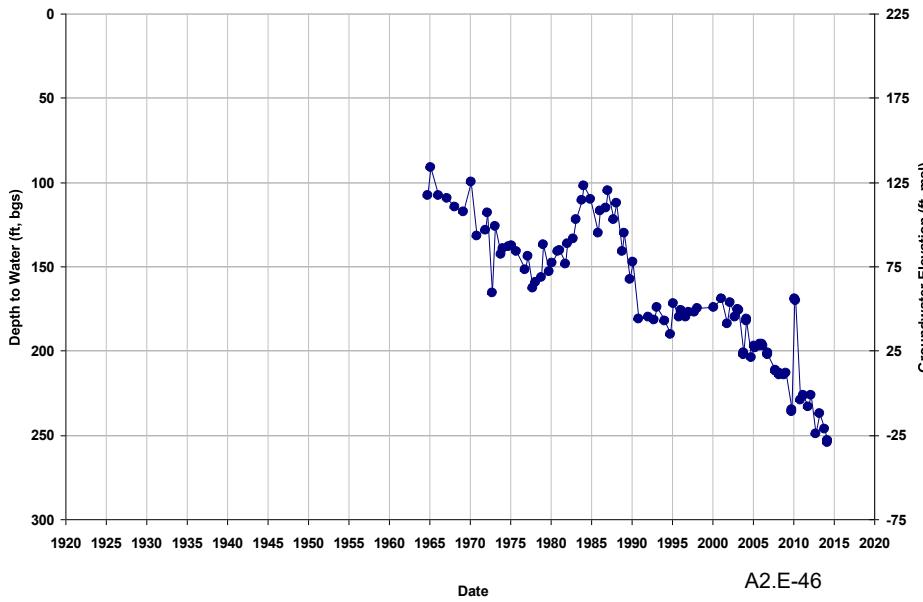
Well ID: 09S15E10P001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 217
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 09S15E11F001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

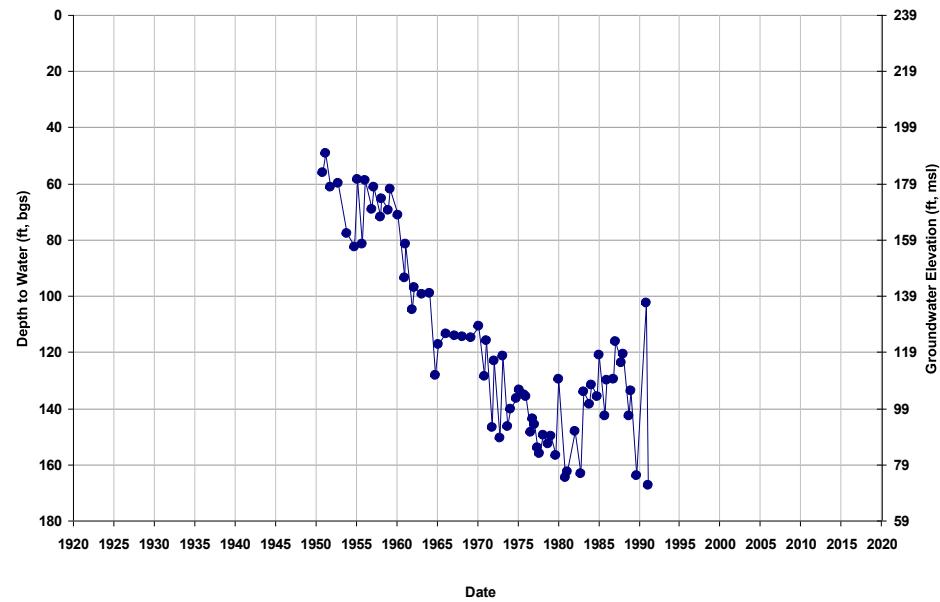
GSE (ft, msl): 225
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-46

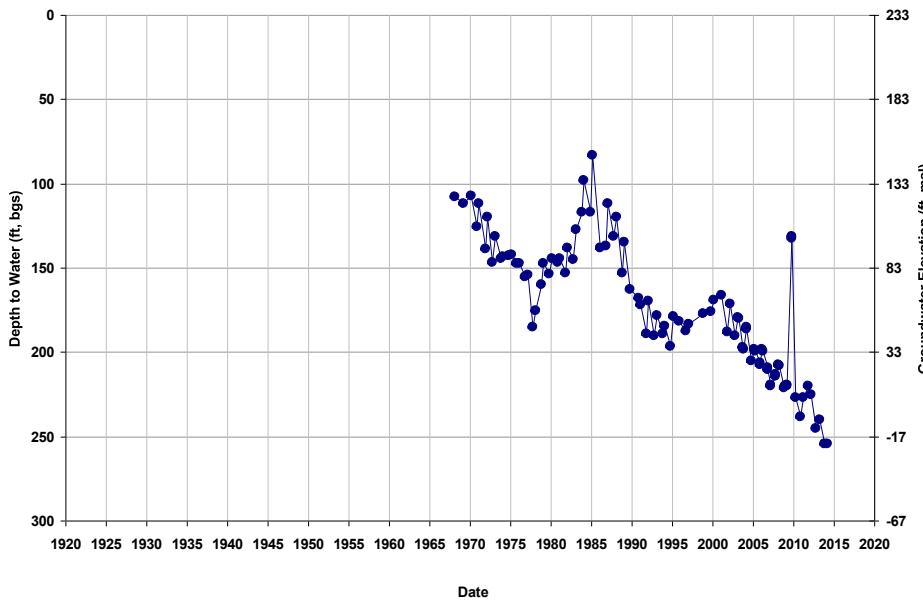
Well ID: 09S15E13A001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 239
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



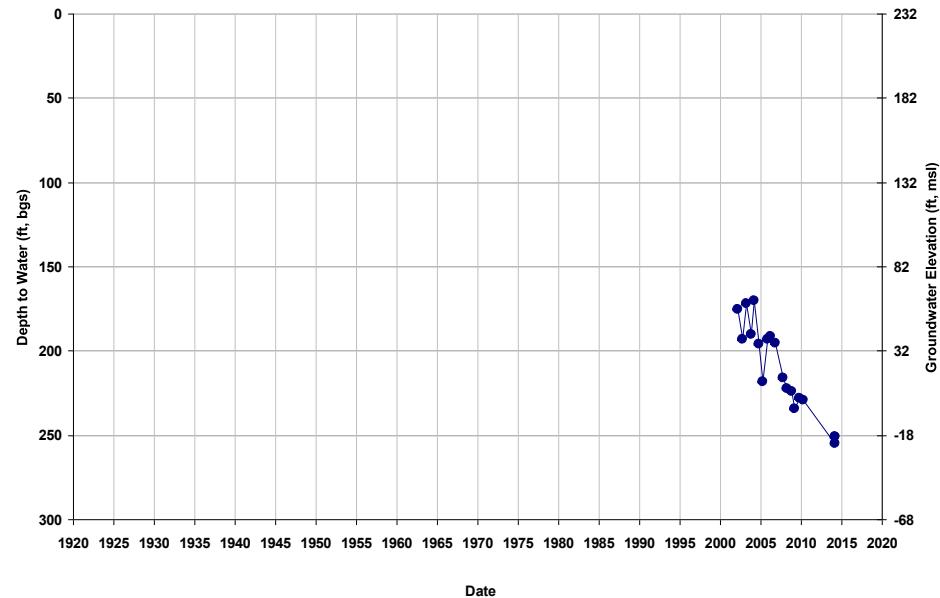
Well ID: 09S15E13E002M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 232
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



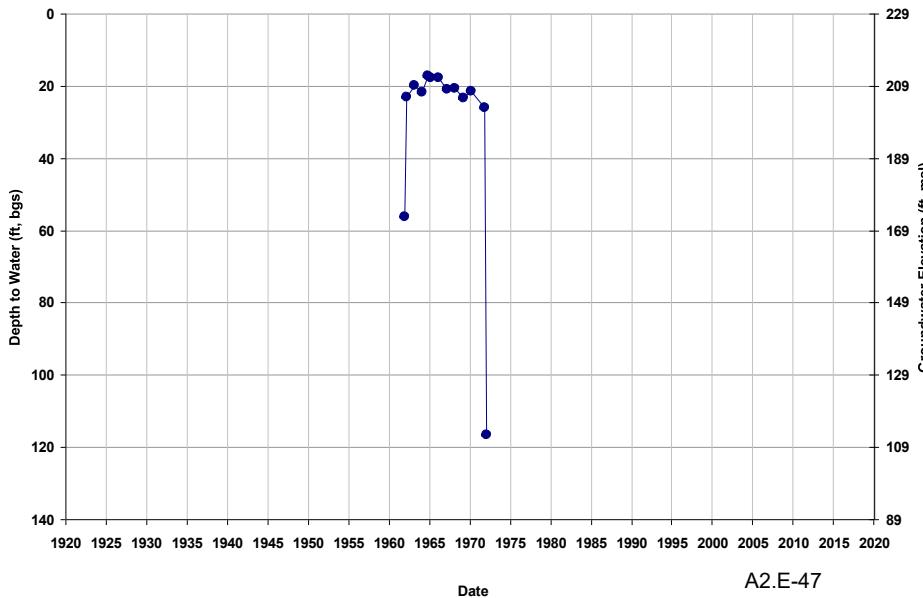
Well ID: 09S15E14A001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 232
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 09S15E14J001M
Depth Zone: Composite or Lower; Wi
Subbasin: Chowchilla

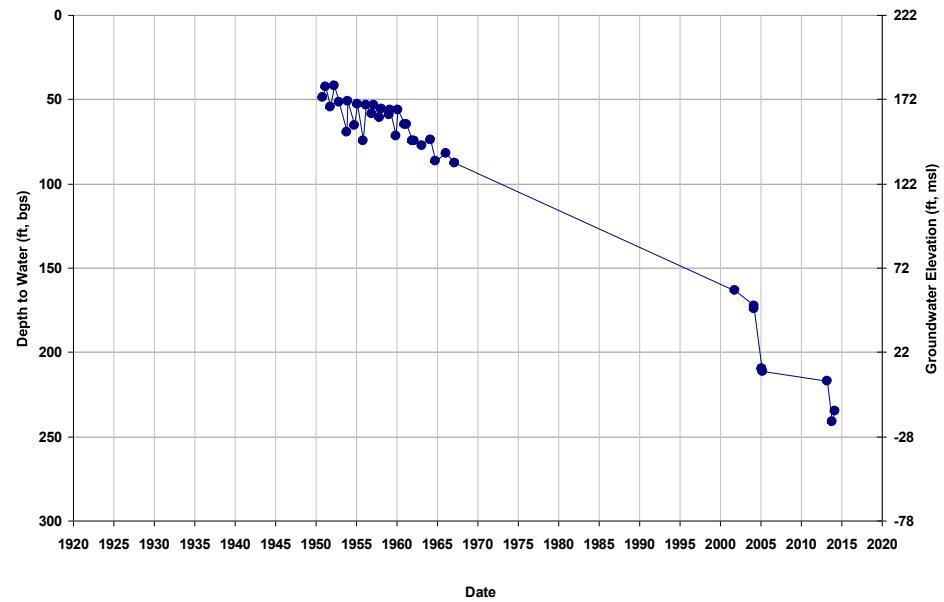
GSE (ft, msl): 229
Total Depth (ft): 419
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-47

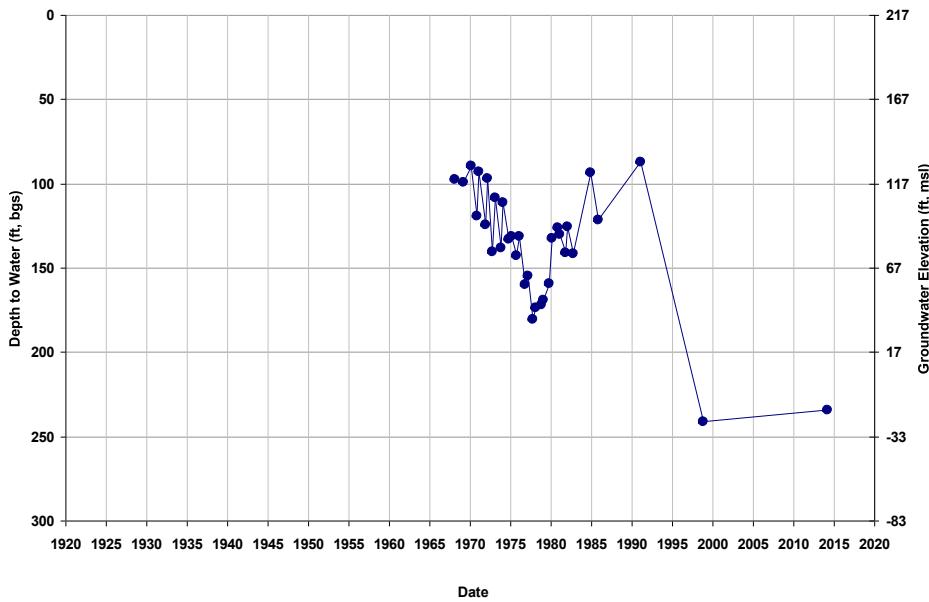
Well ID: 09S15E15P001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 222
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



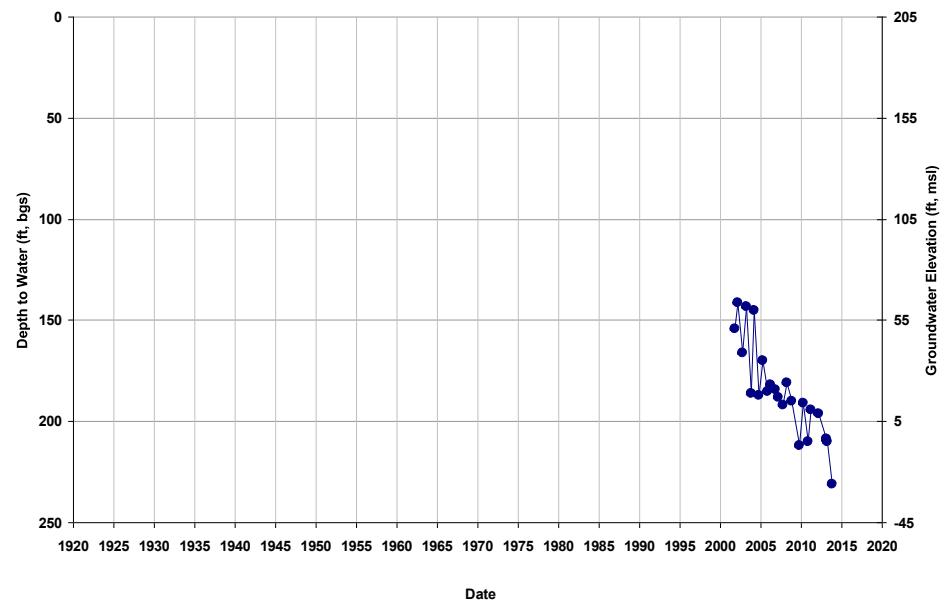
Well ID: 09S15E15P002M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 217
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



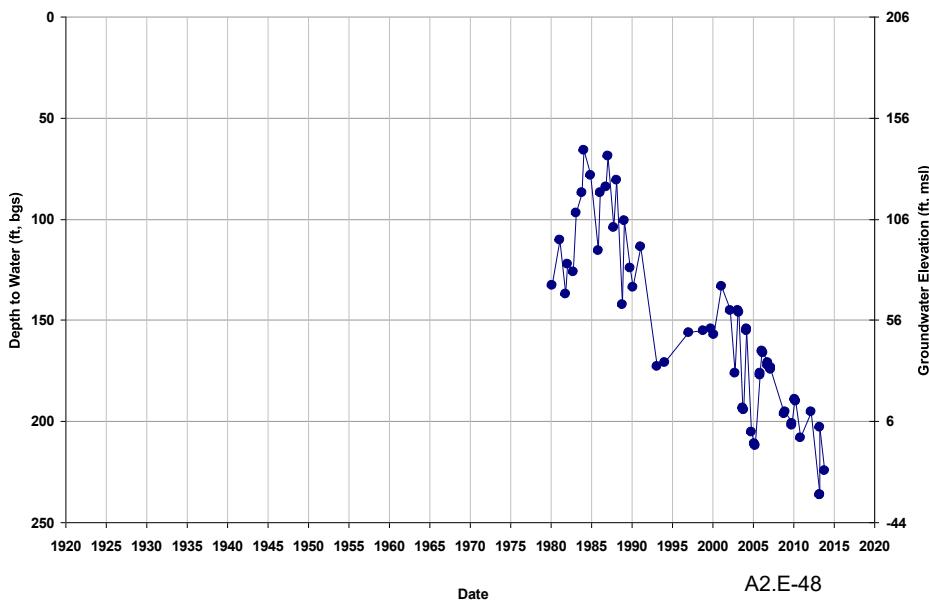
Well ID: 09S15E16E001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 205
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 09S15E17R001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

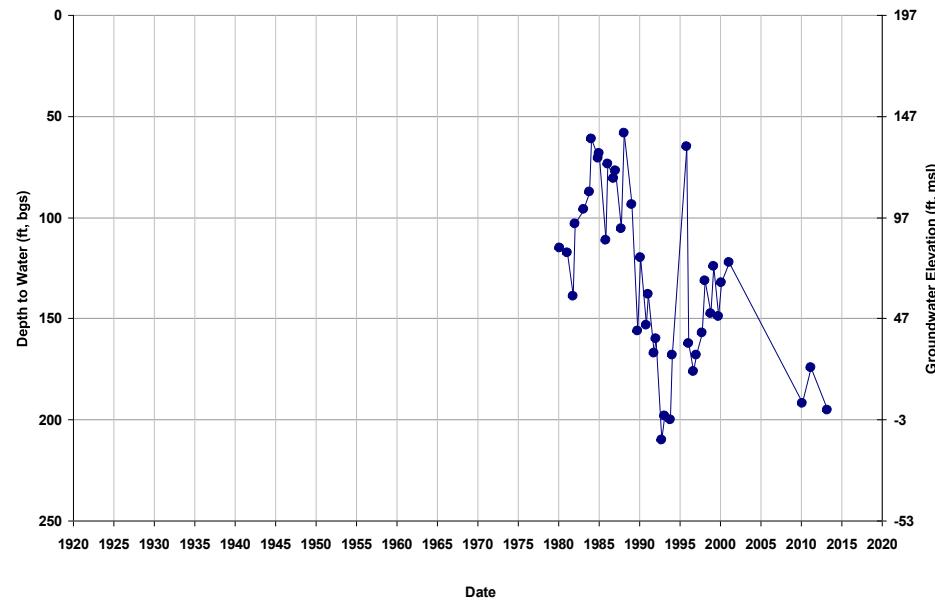
GSE (ft, msl): 206
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-48

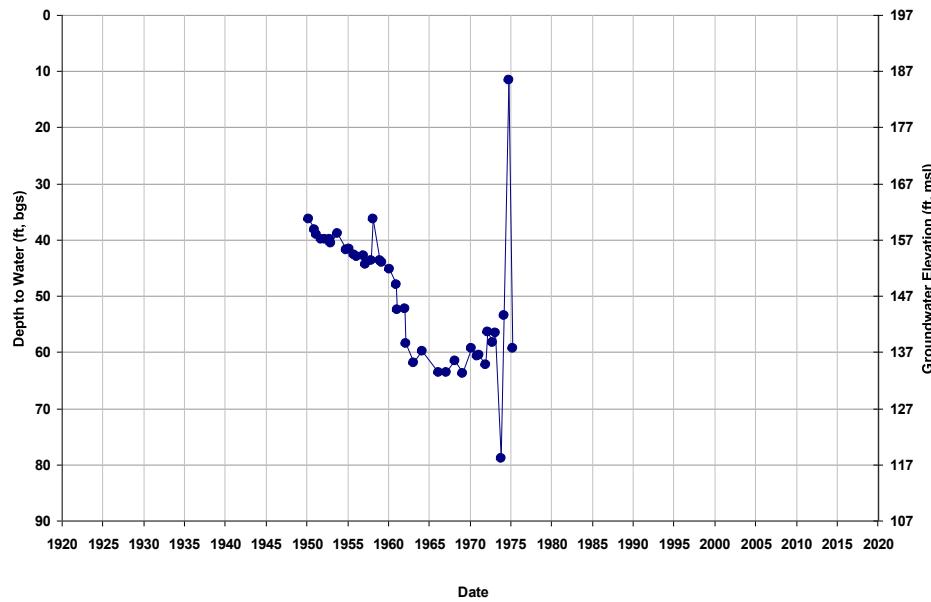
Well ID: 09S15E18J001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 197
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



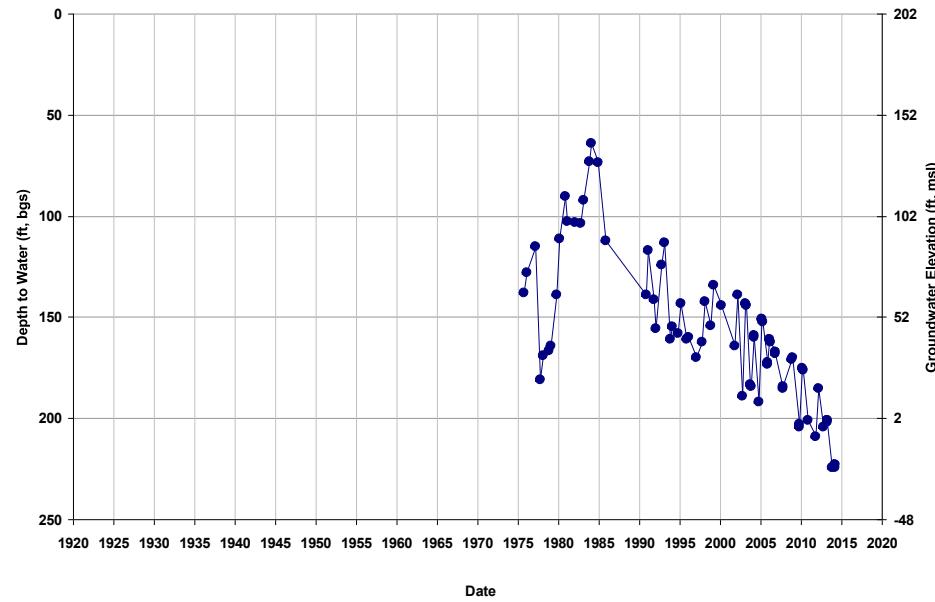
Well ID: 09S15E19A001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 197
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



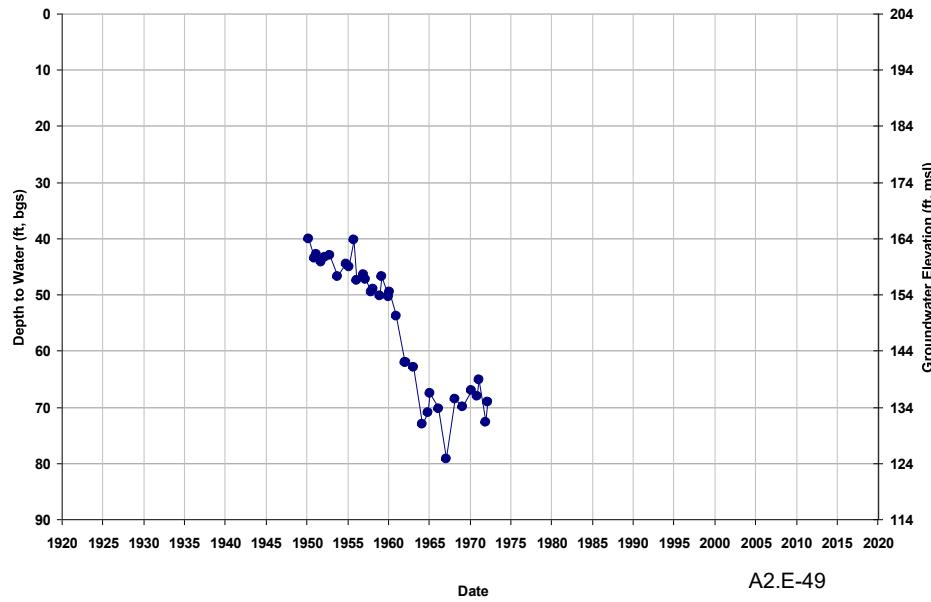
Well ID: 09S15E20C001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 202
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 09S15E20G001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

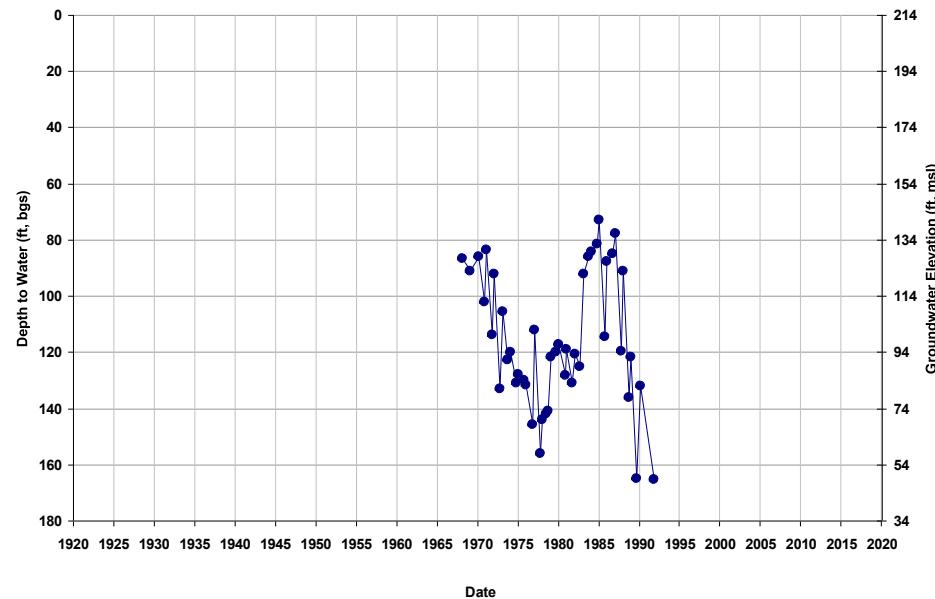
GSE (ft, msl): 204
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-49

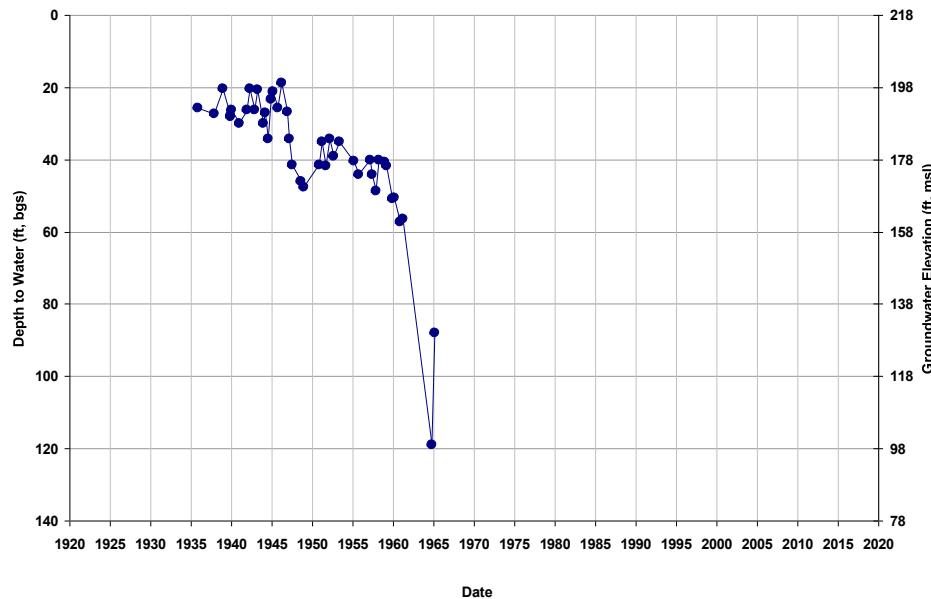
Well ID: 09S15E22N001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 214
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



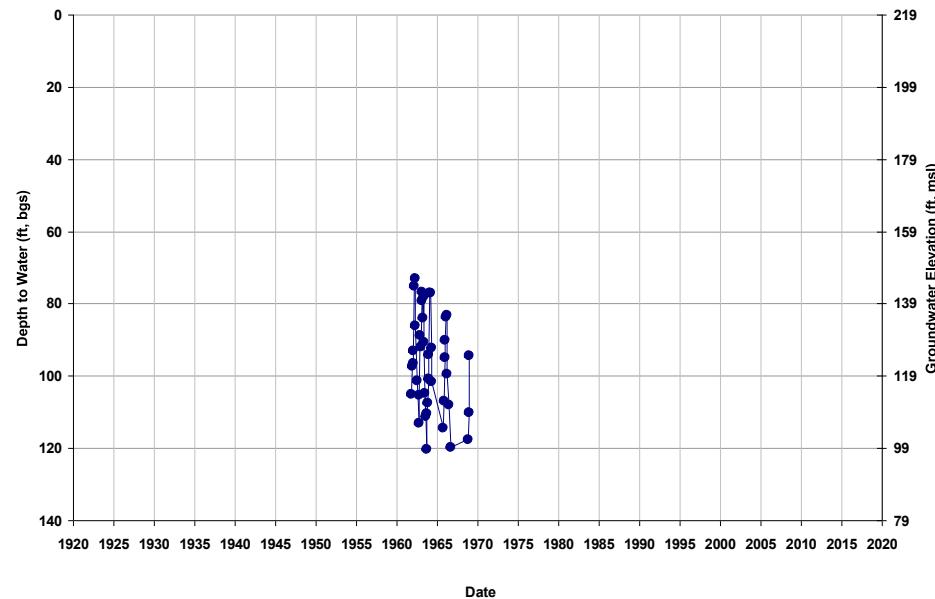
Well ID: 09S15E22R001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 218
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



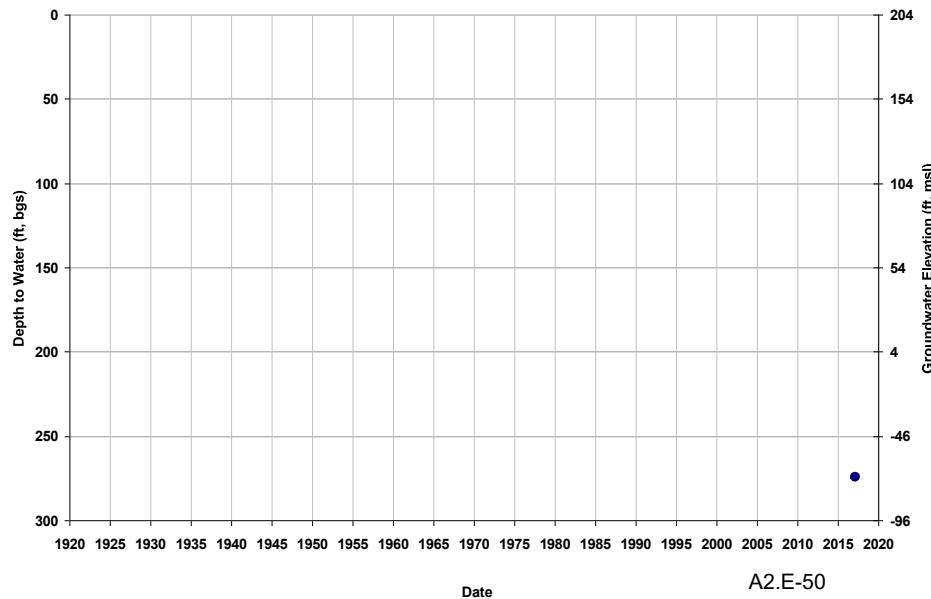
Well ID: 09S15E22R002M
Depth Zone: Composite or Lower; Wi
Subbasin: Chowchilla

GSE (ft, msl): 218
Total Depth (ft): 190
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 09S15E23J
Depth Zone: Composite or Lower; Wi
Subbasin: Chowchilla

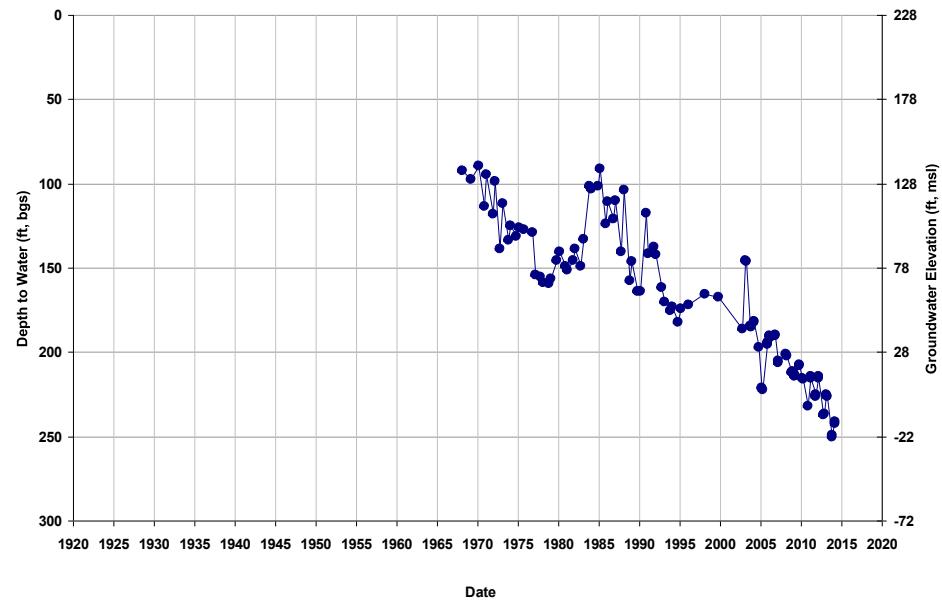
GSE (ft, msl): 204
Total Depth (ft): 291
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-50

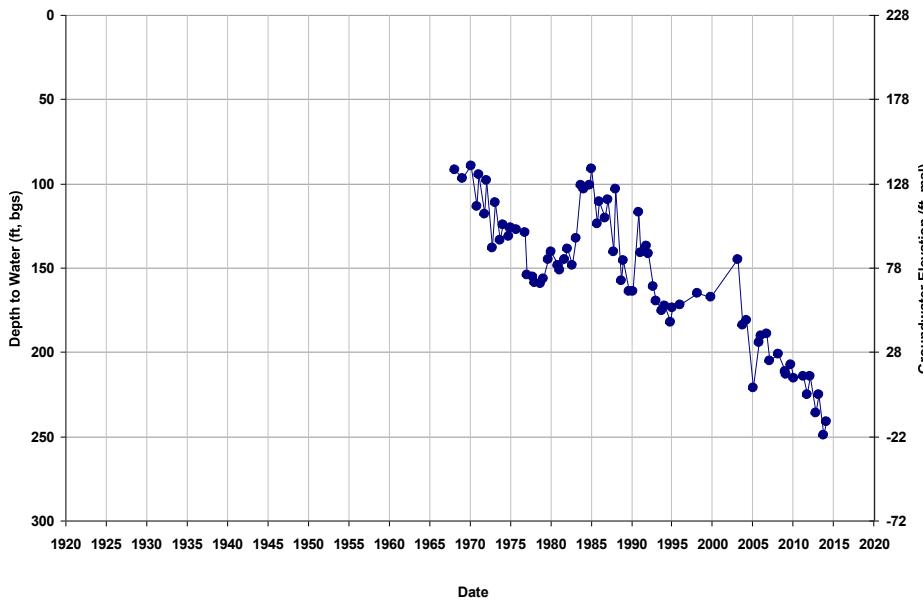
Well ID: 09S15E23J002M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 228
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



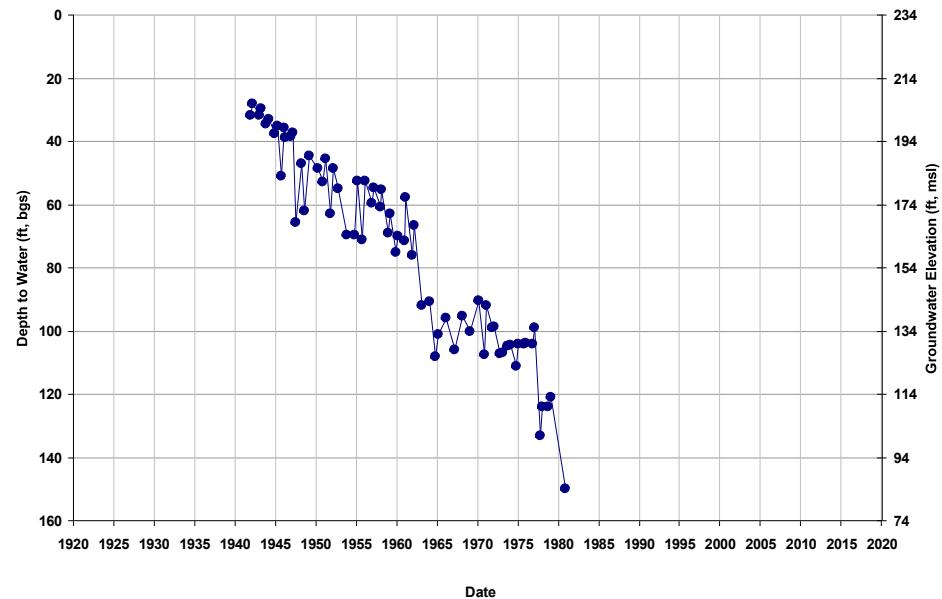
Well ID: 09S15E23J2
Depth Zone: Lower; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 228
Total Depth (ft): 291
Perf Top (ft): 290.5
Perf Bottom (ft): 291



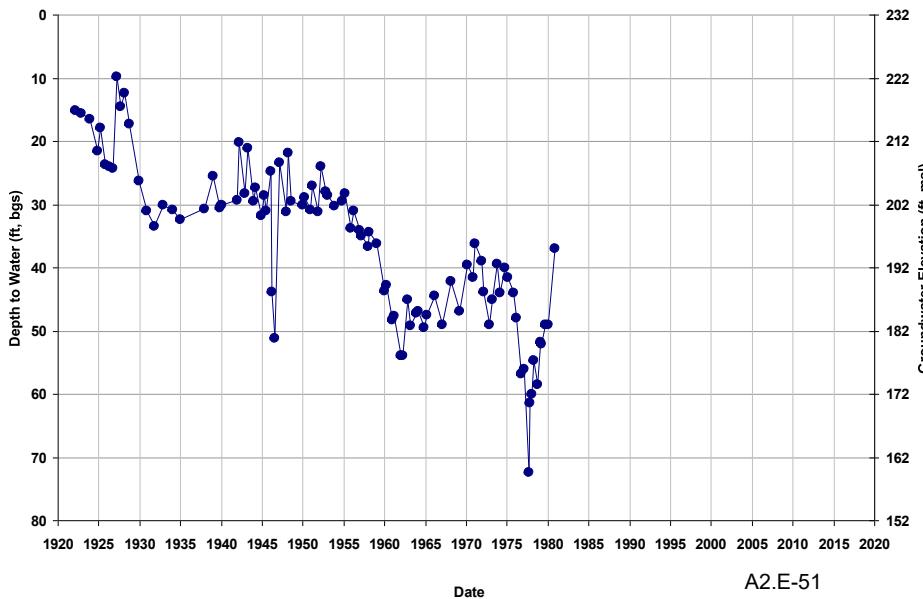
Well ID: 09S15E24E001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 234
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 09S15E25J002M
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

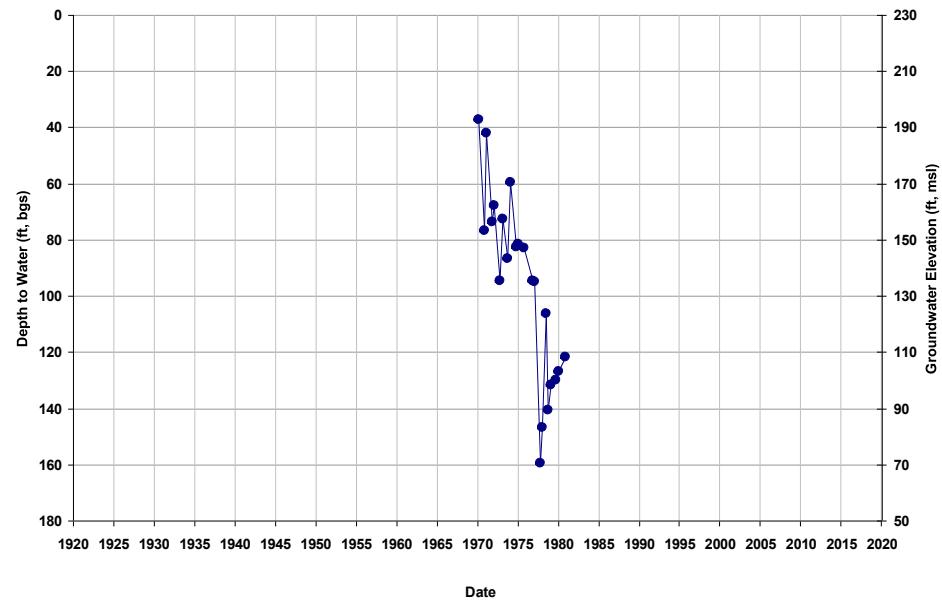
GSE (ft, msl): 232
Total Depth (ft): 79
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-51

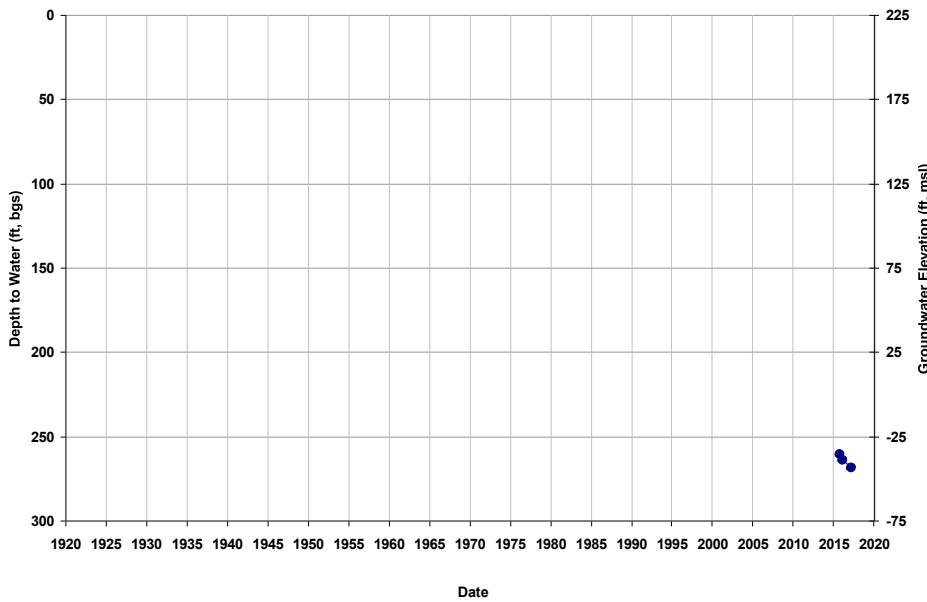
Well ID: 09S15E25L001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 229
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



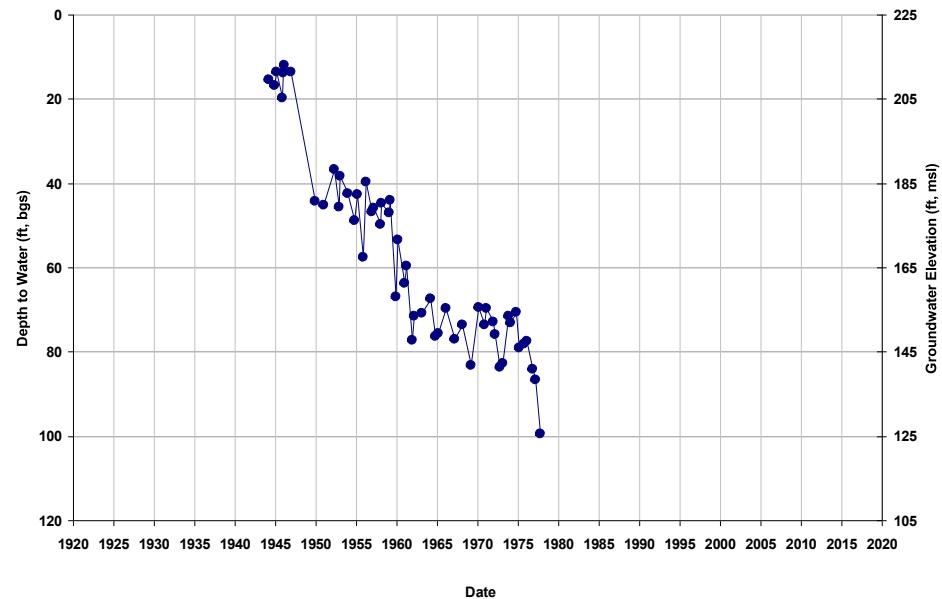
Well ID: 09S15E26A
Depth Zone: Lower; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 225
Total Depth (ft): 800
Perf Top (ft): 320
Perf Bottom (ft): 800



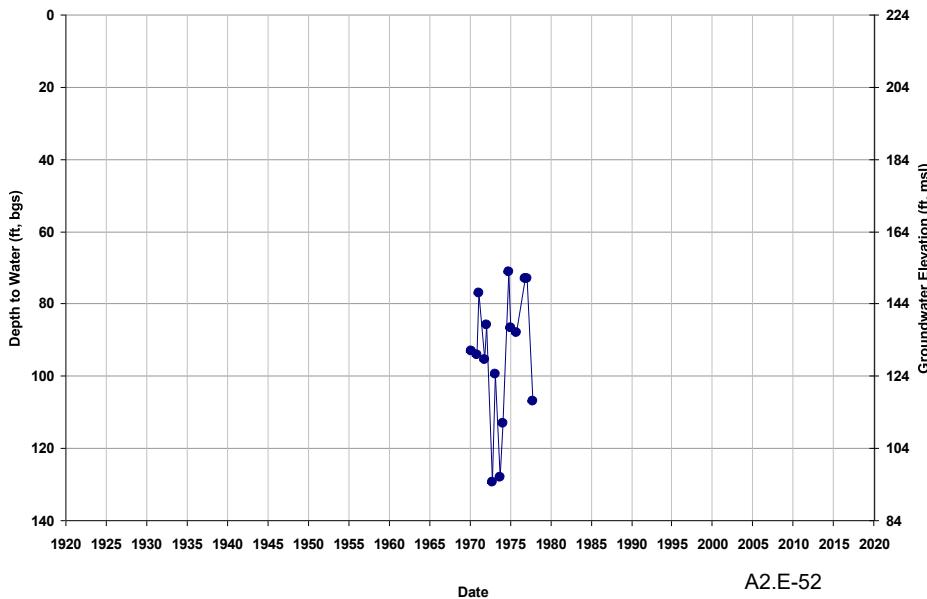
Well ID: 09S15E26J001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 225
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA

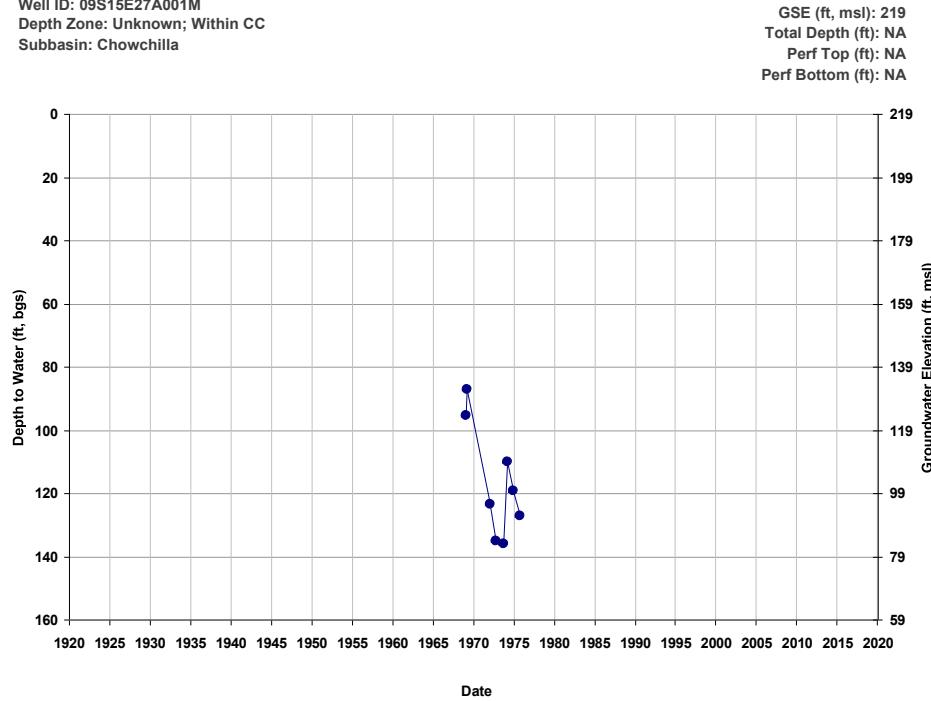


Well ID: 09S15E26K001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

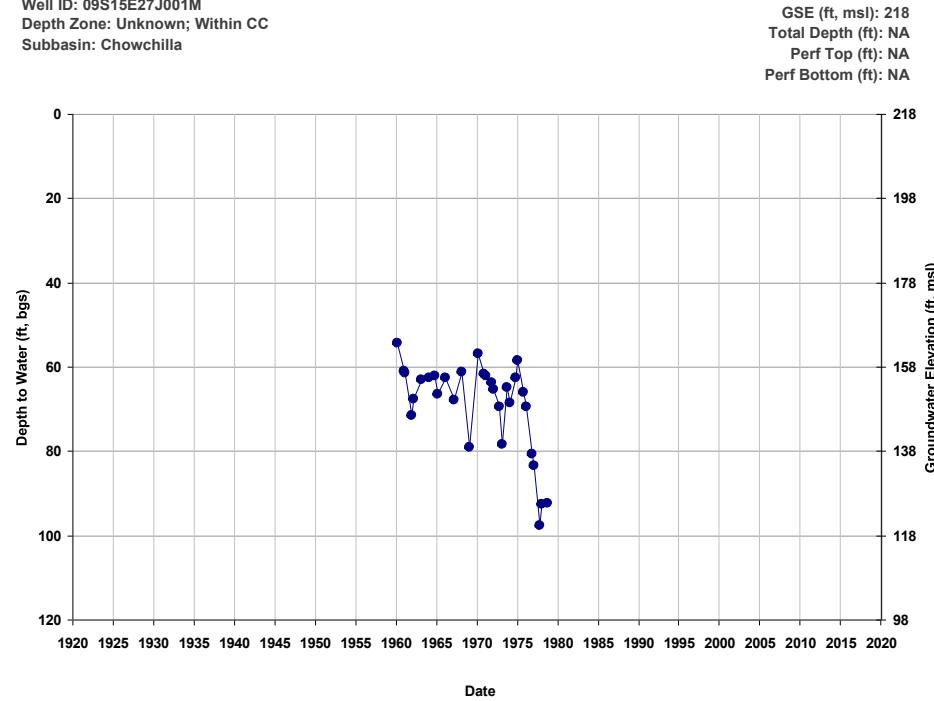
GSE (ft, msl): 224
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



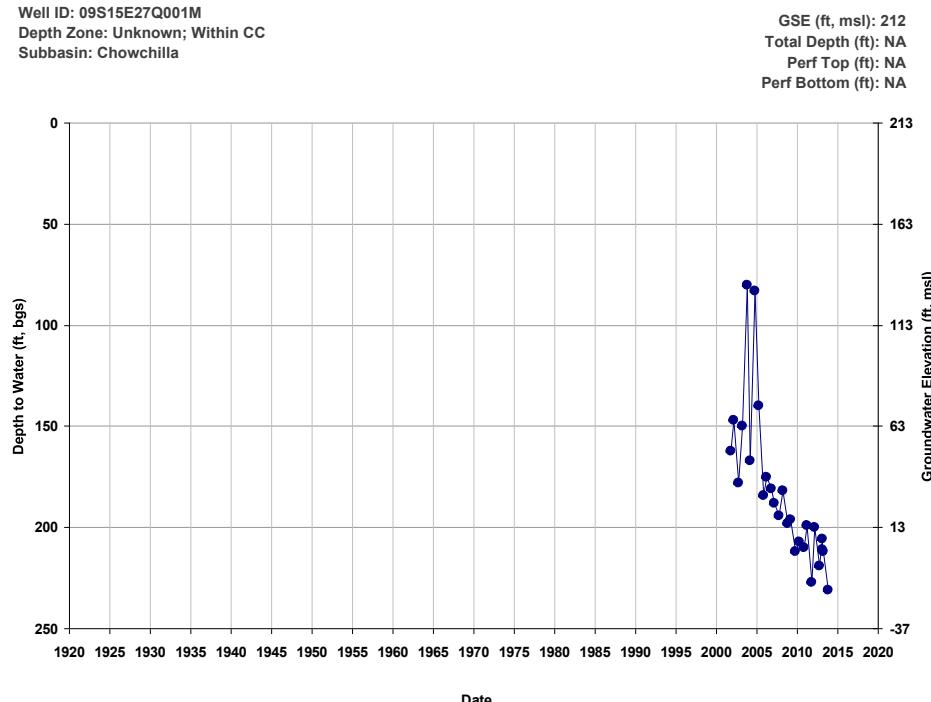
Well ID: 09S15E27A001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla



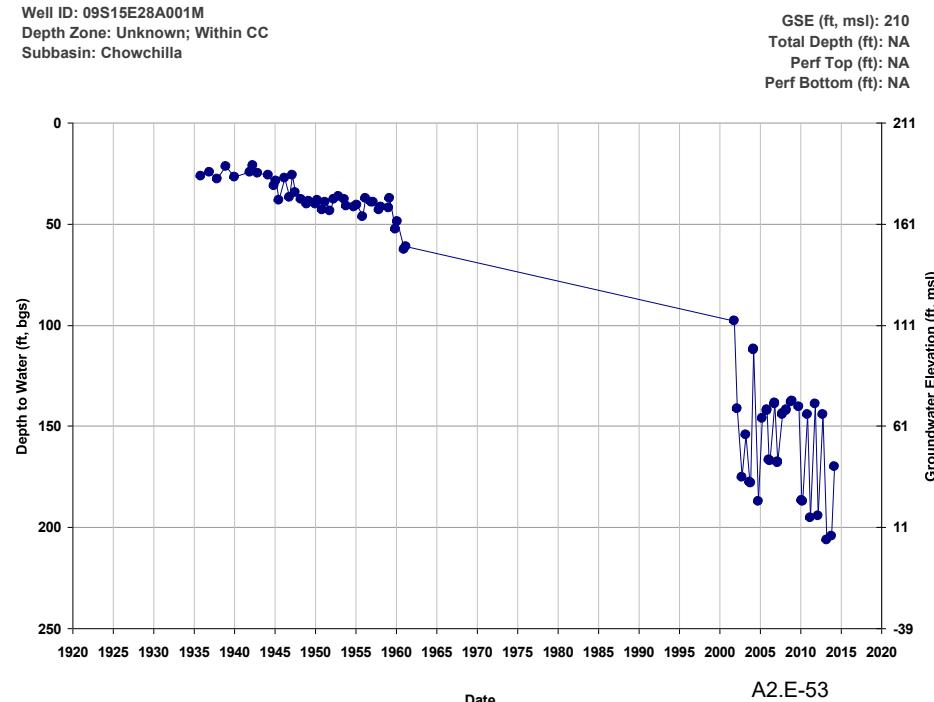
Well ID: 09S15E27J001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla



Well ID: 09S15E27Q001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

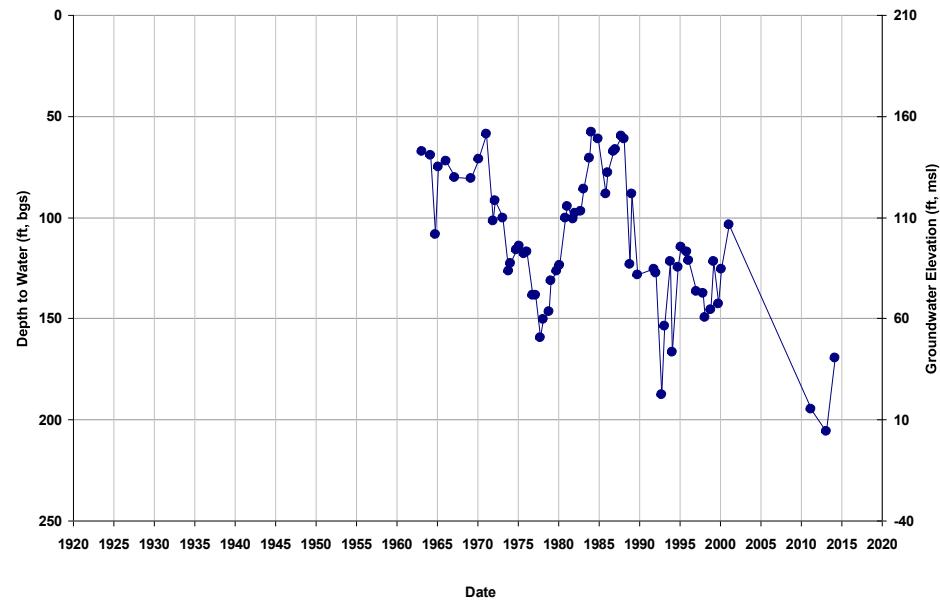


Well ID: 09S15E28A001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla



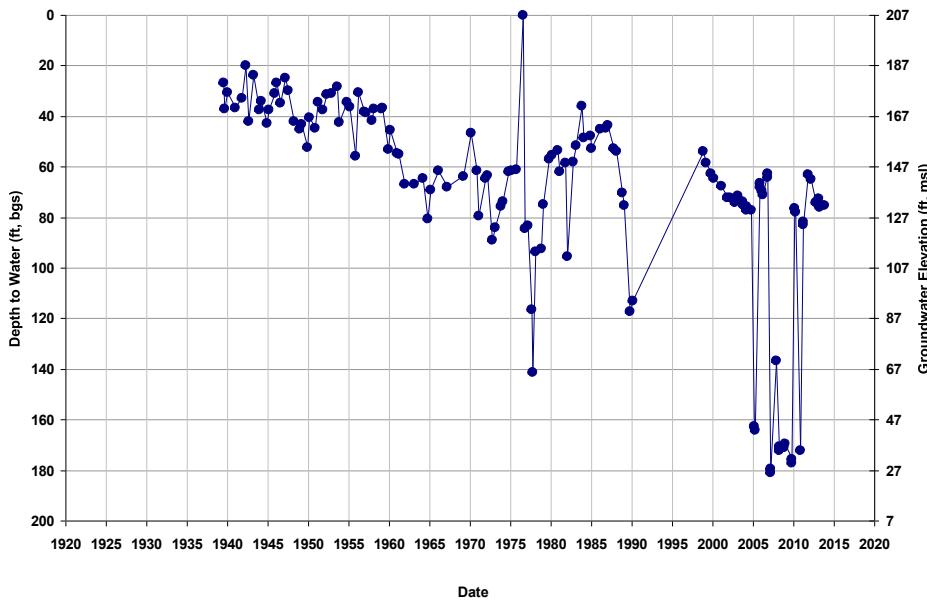
Well ID: 09S15E28A002M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 210
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



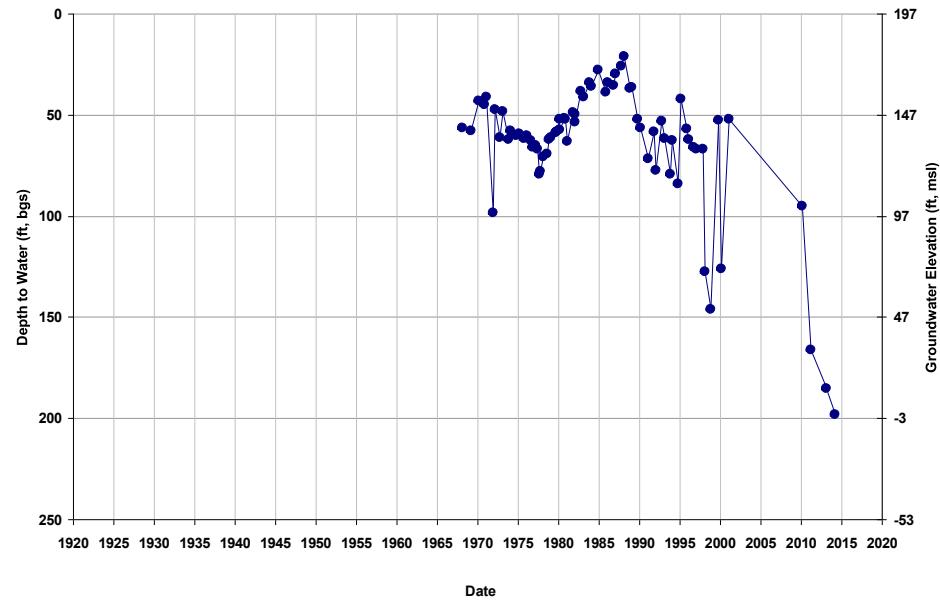
Well ID: 09S15E28R001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 207
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



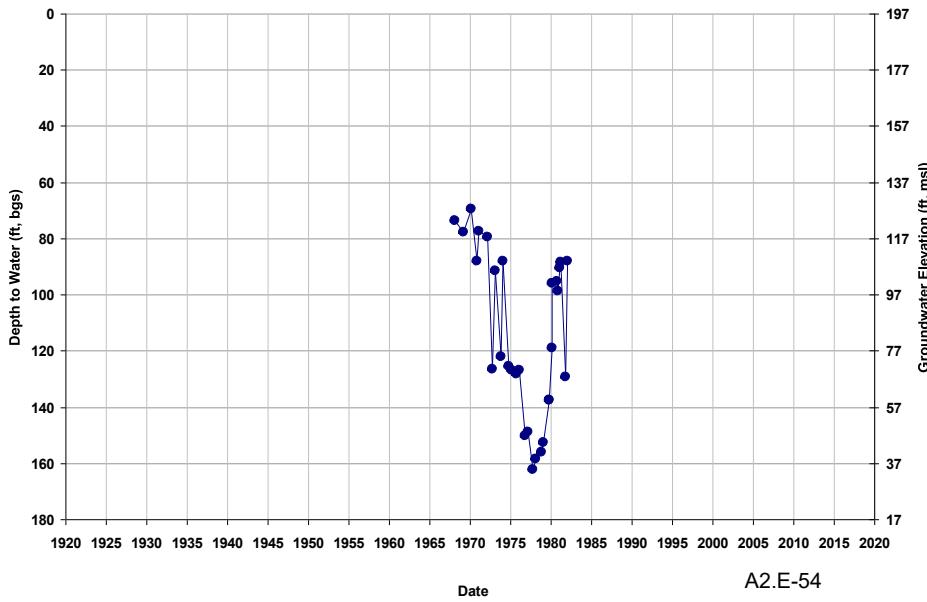
Well ID: 09S15E29D001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 197
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 09S15E29F001M
Depth Zone: Composite or Lower; Wi
Subbasin: Chowchilla

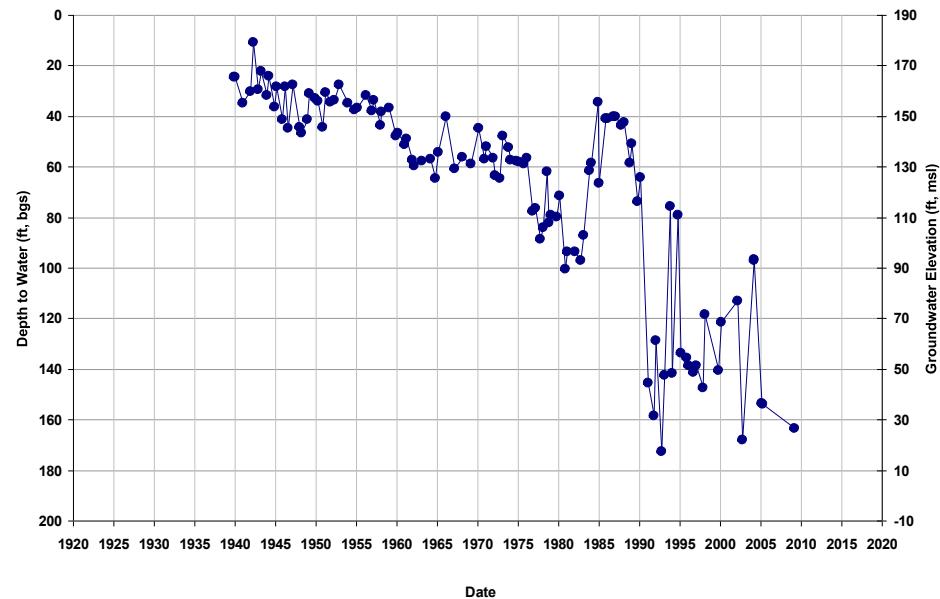
GSE (ft, msl): 197
Total Depth (ft): 342
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-54

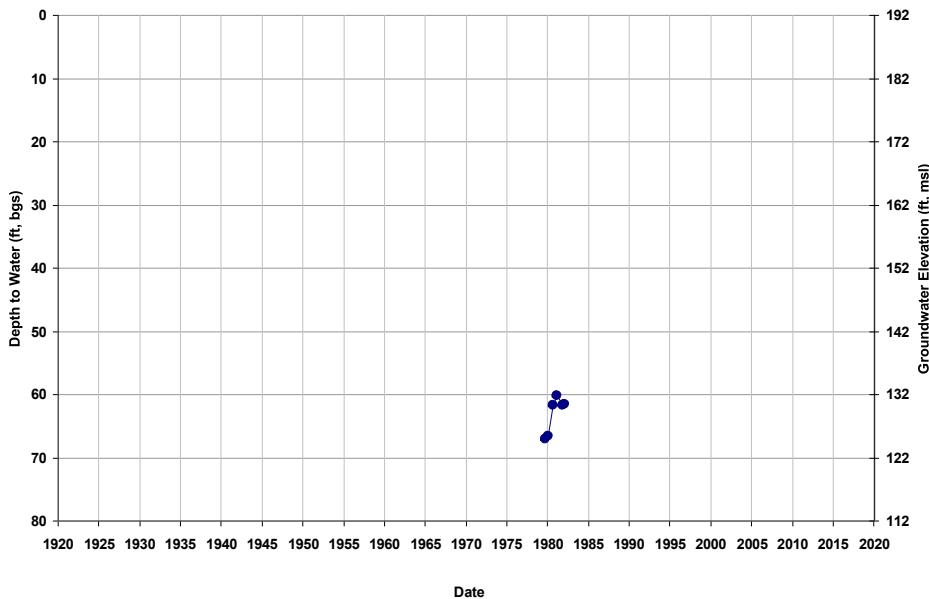
Well ID: 09S15E30G001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 189
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



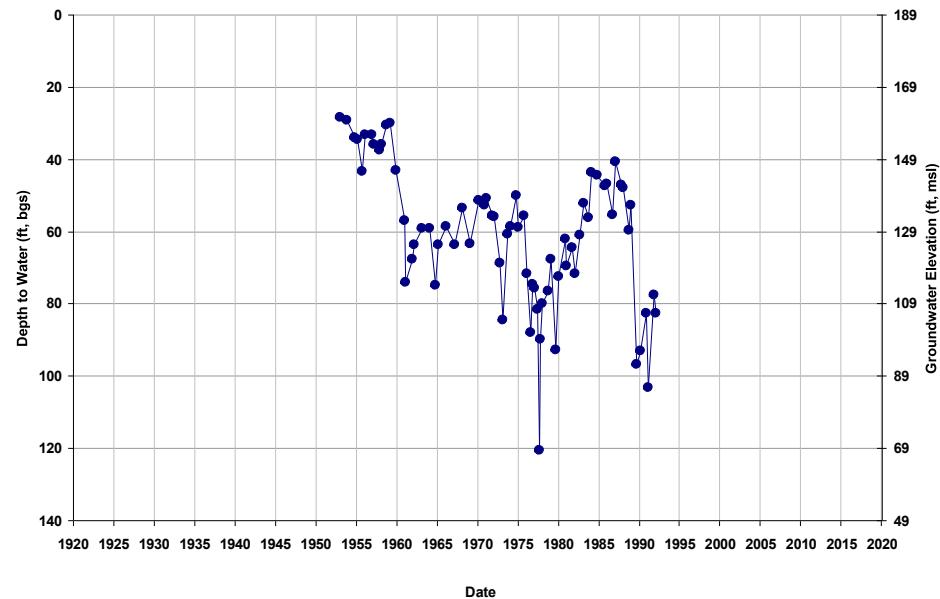
Well ID: 09S15E31H001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 192
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



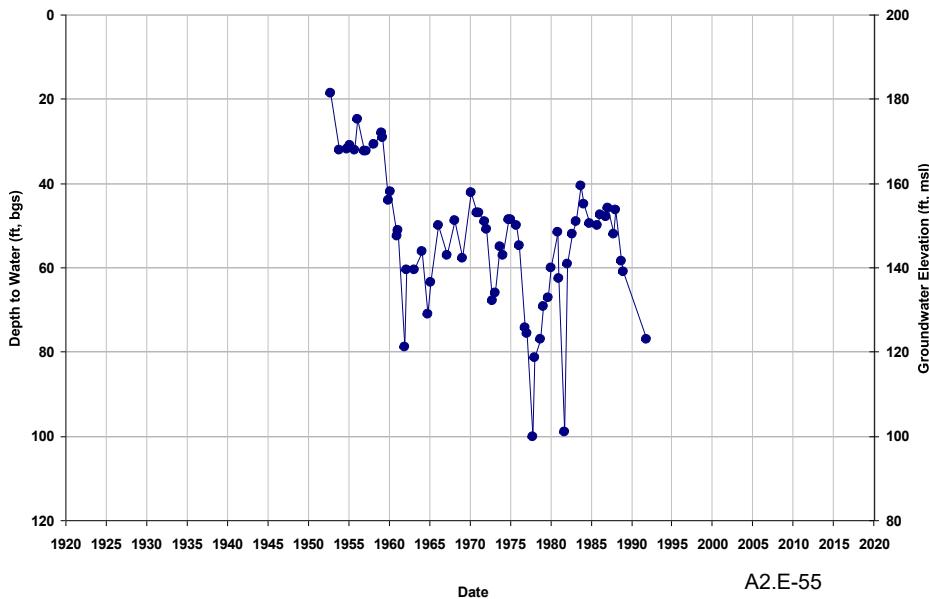
Well ID: 09S15E31J001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 189
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 09S15E32R001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

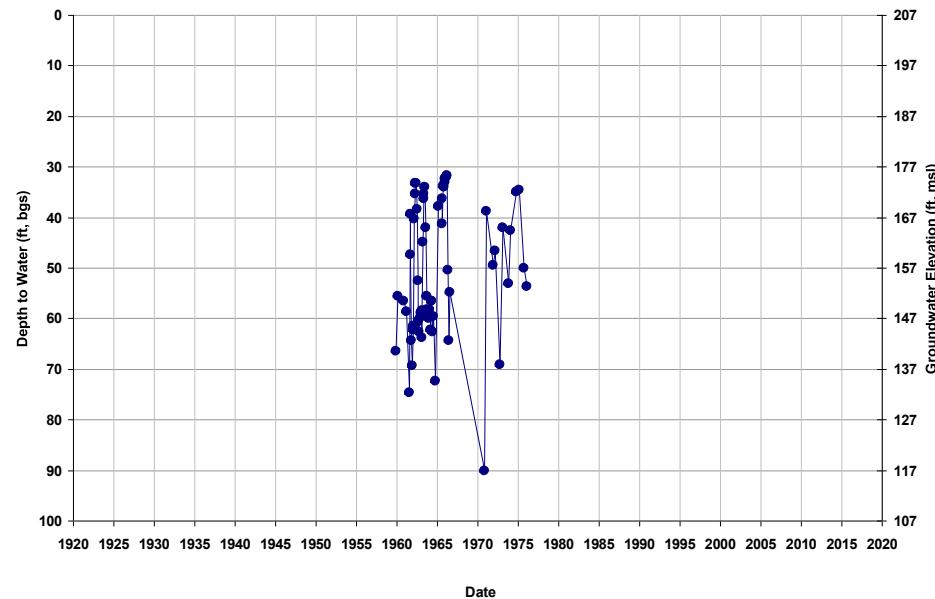
GSE (ft, msl): 200
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-55

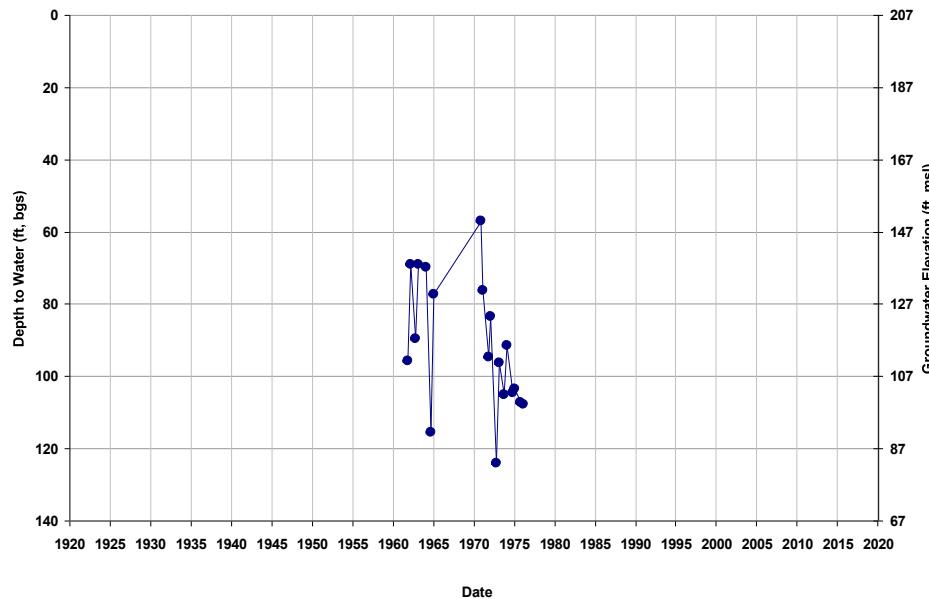
Well ID: 09S15E33B001M
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 207
Total Depth (ft): 110
Perf Top (ft): NA
Perf Bottom (ft): NA



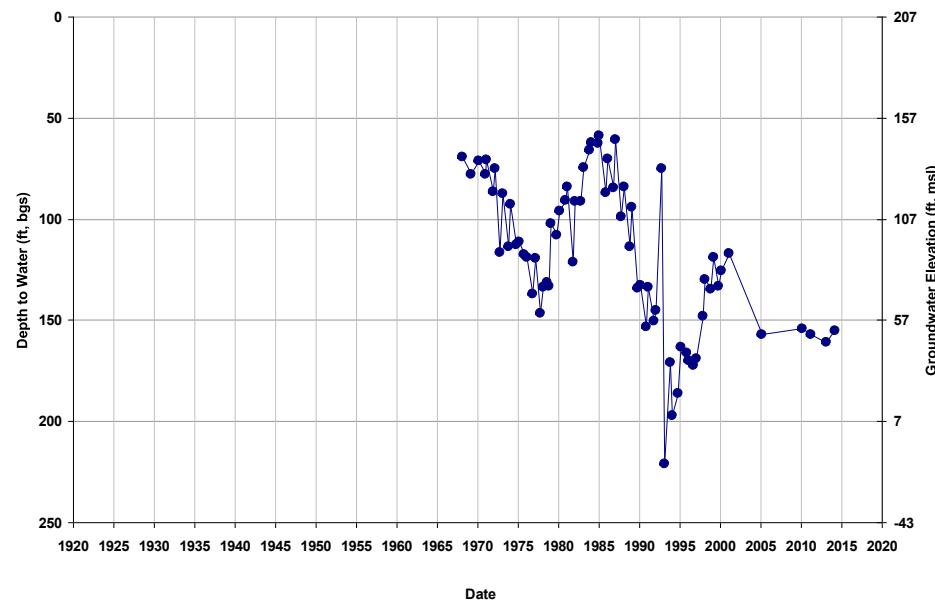
Well ID: 09S15E33B002M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 207
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



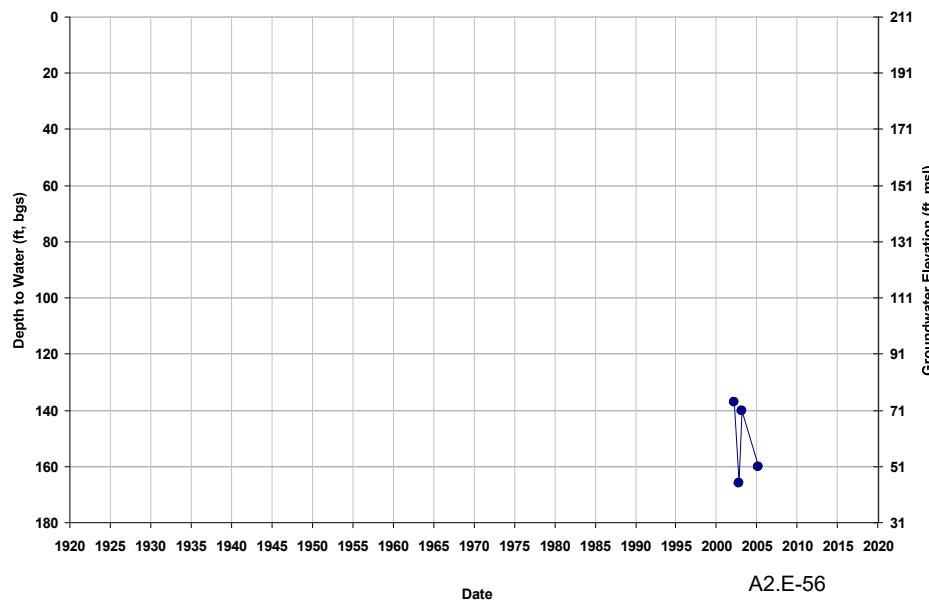
Well ID: 09S15E33J002M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 207
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 09S15E34J001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

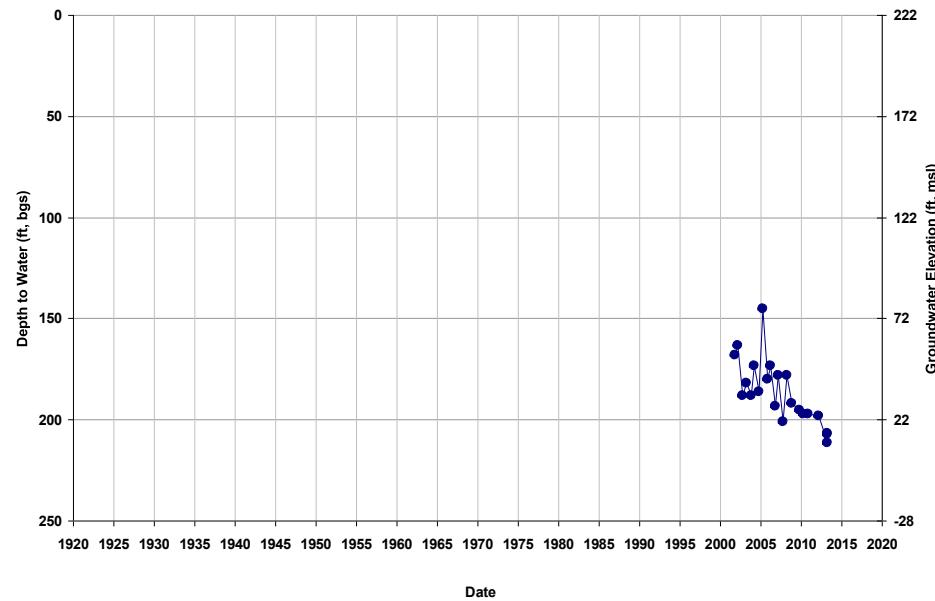
GSE (ft, msl): 211
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-56

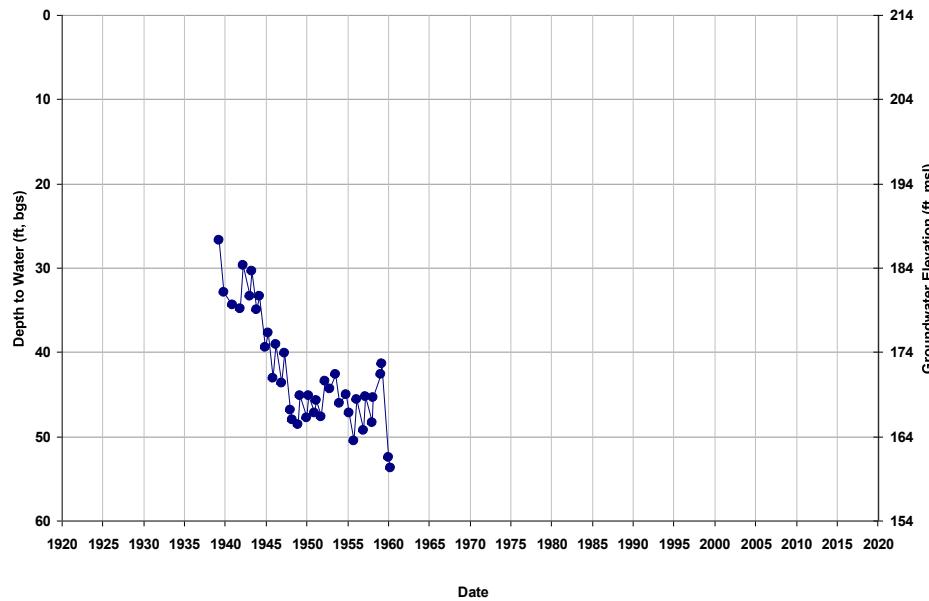
Well ID: 09S15E35C001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 222
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



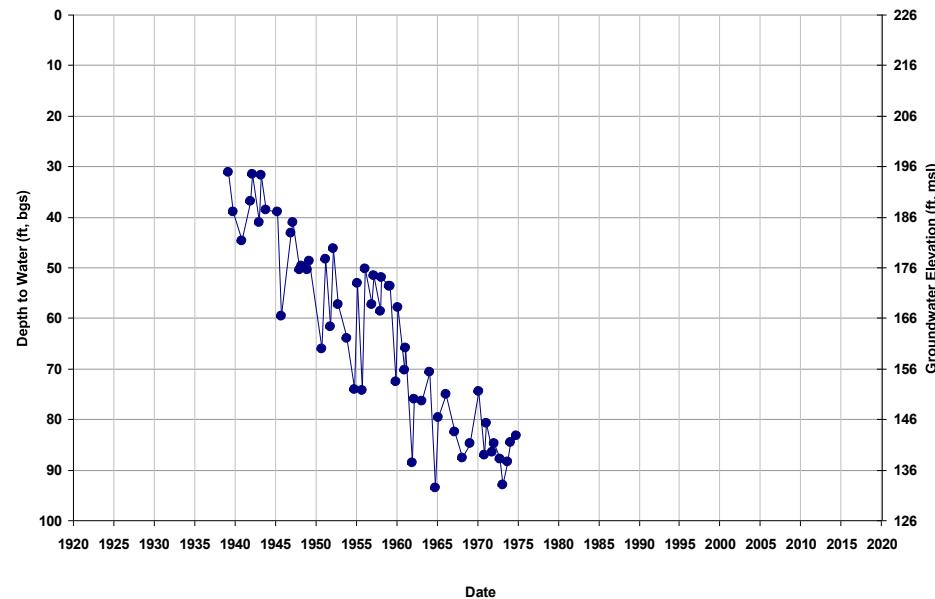
Well ID: 09S15E35M001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 213
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



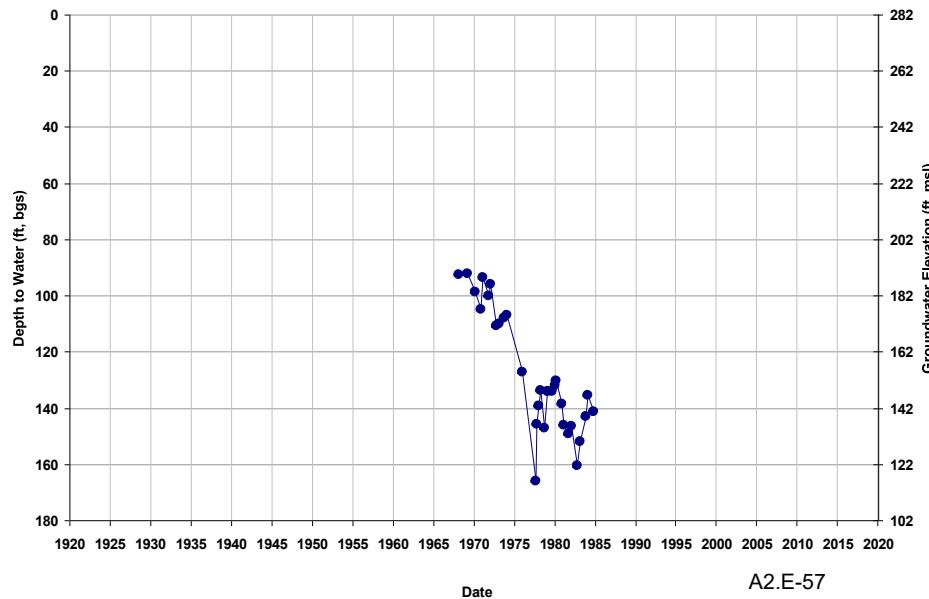
Well ID: 09S15E36L001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 225
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 09S16E14M001M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

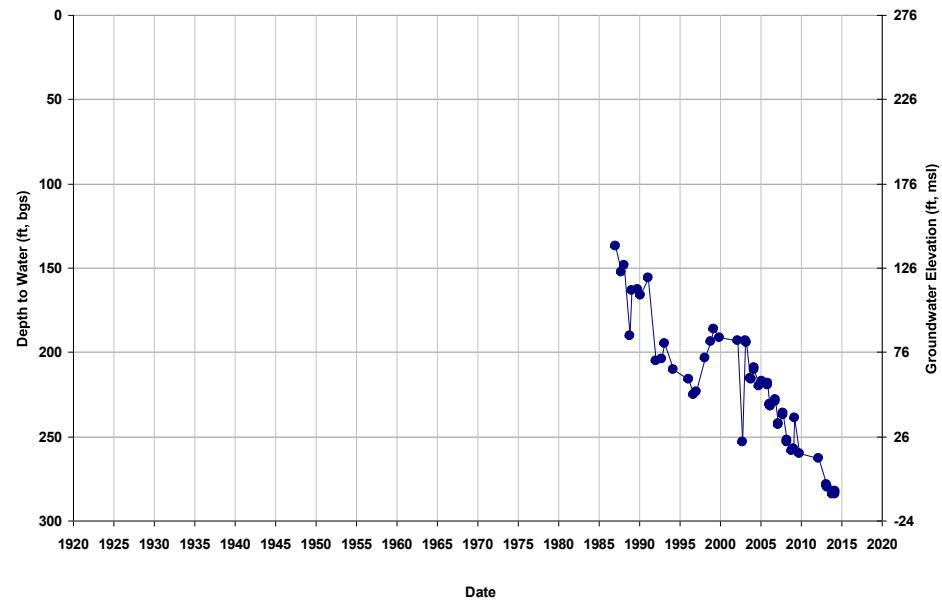
GSE (ft, msl): 282
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-57

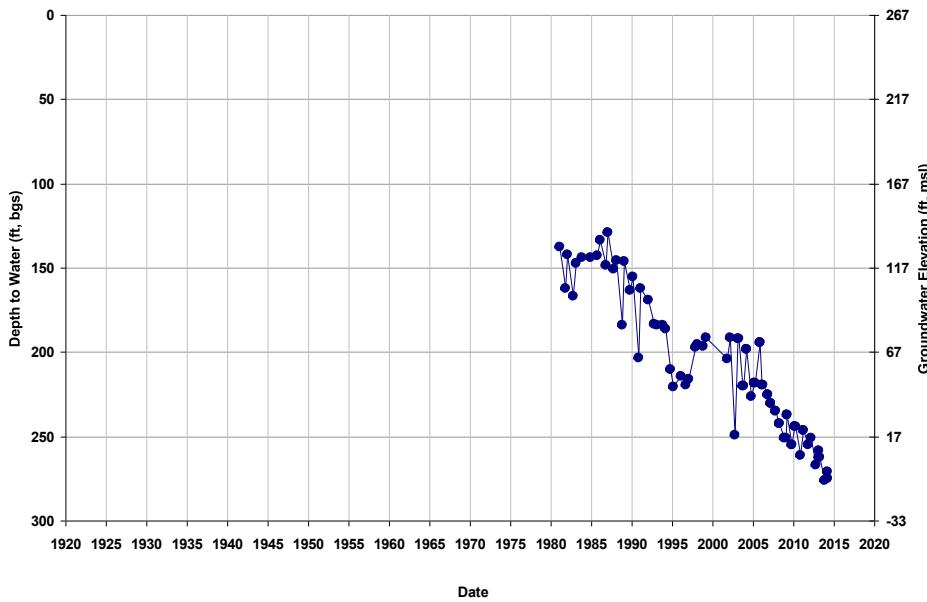
Well ID: 09S16E15B001M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

GSE (ft, msl): 276
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



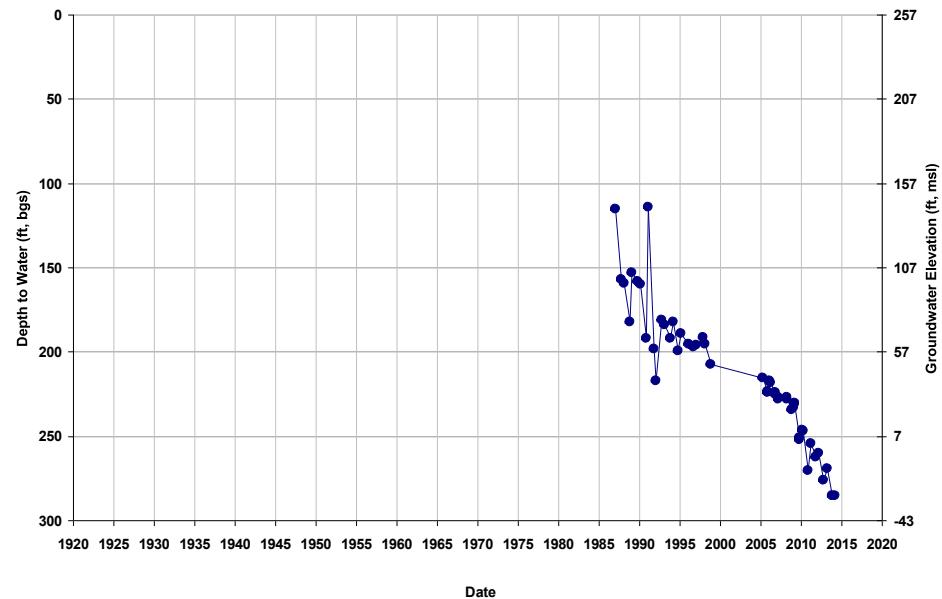
Well ID: 09S16E15Q001M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

GSE (ft, msl): 267
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



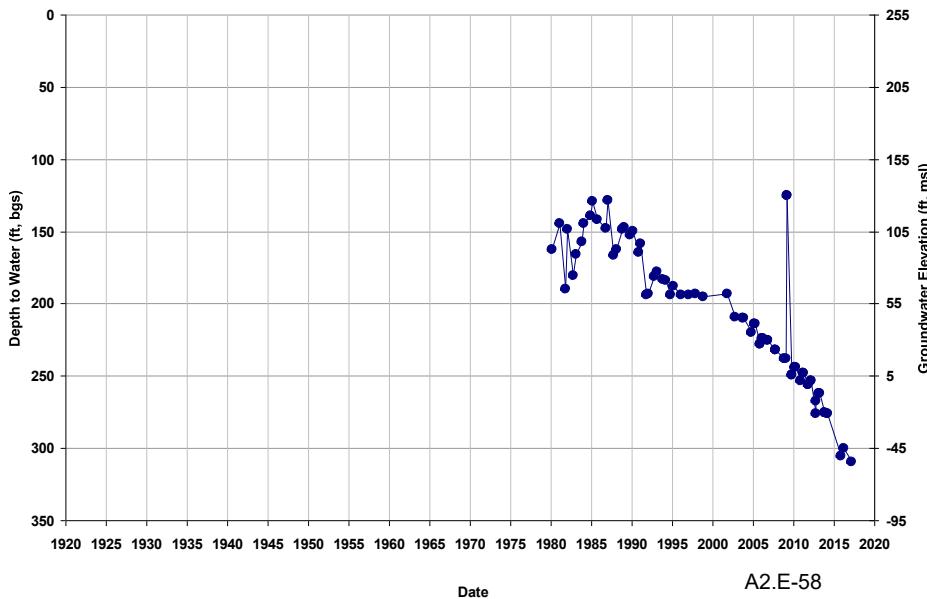
Well ID: 09S16E16D001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 257
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 09S16E16N001M
Depth Zone: Lower; Within CC
Subbasin: Chowchilla

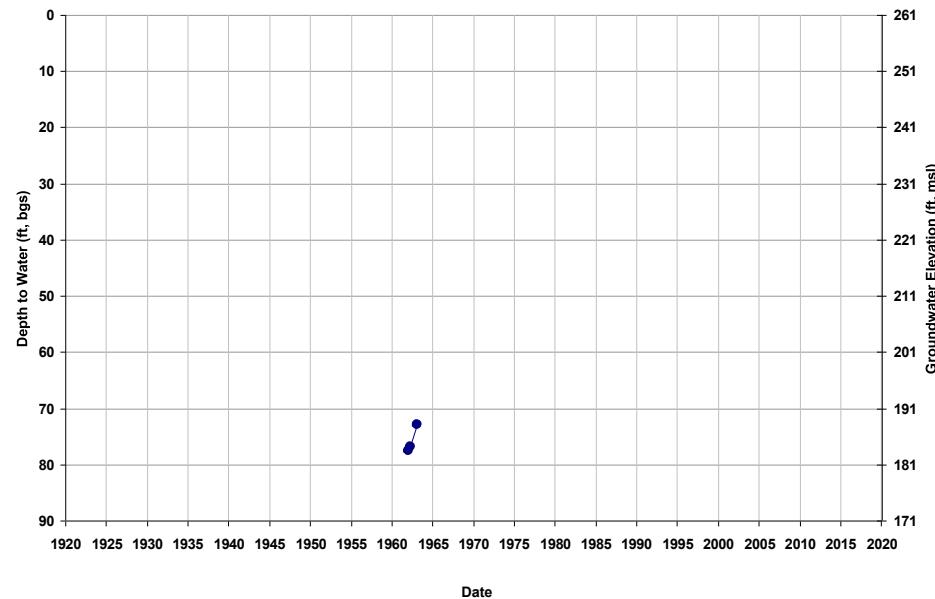
GSE (ft, msl): 255
Total Depth (ft): 466
Perf Top (ft): 218
Perf Bottom (ft): 464



A2.E-58

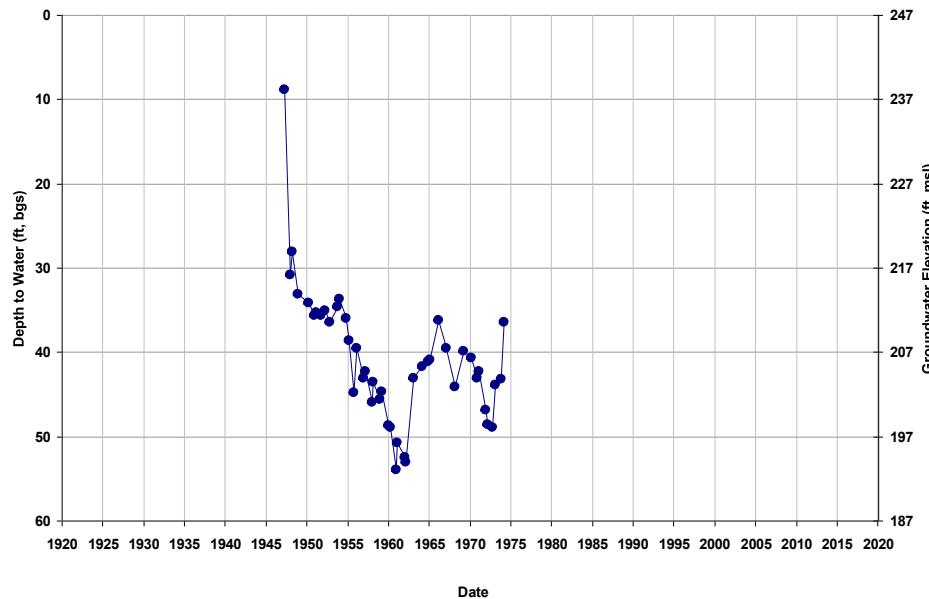
Well ID: 09S16E16Q001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 261
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



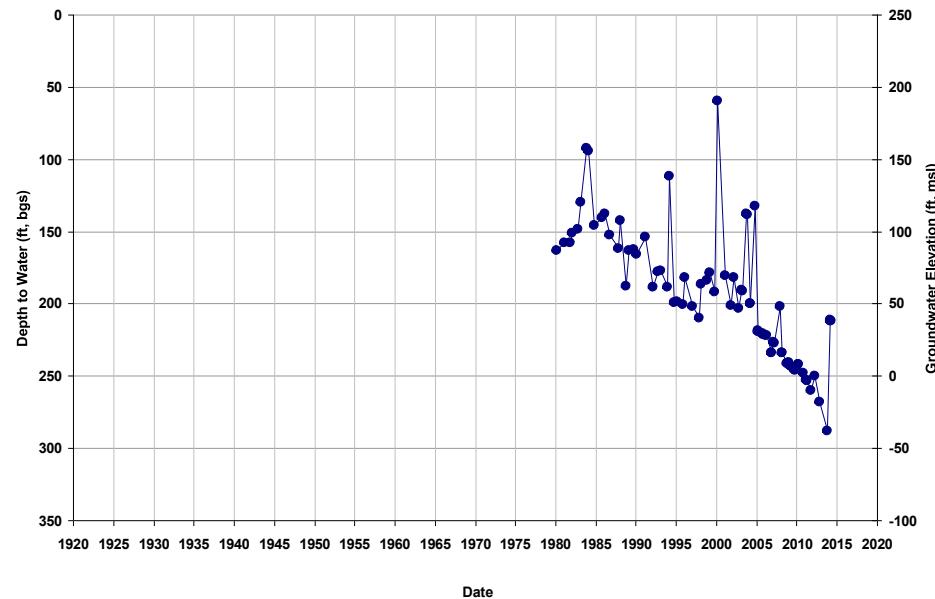
Well ID: 09S16E17D001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 247
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



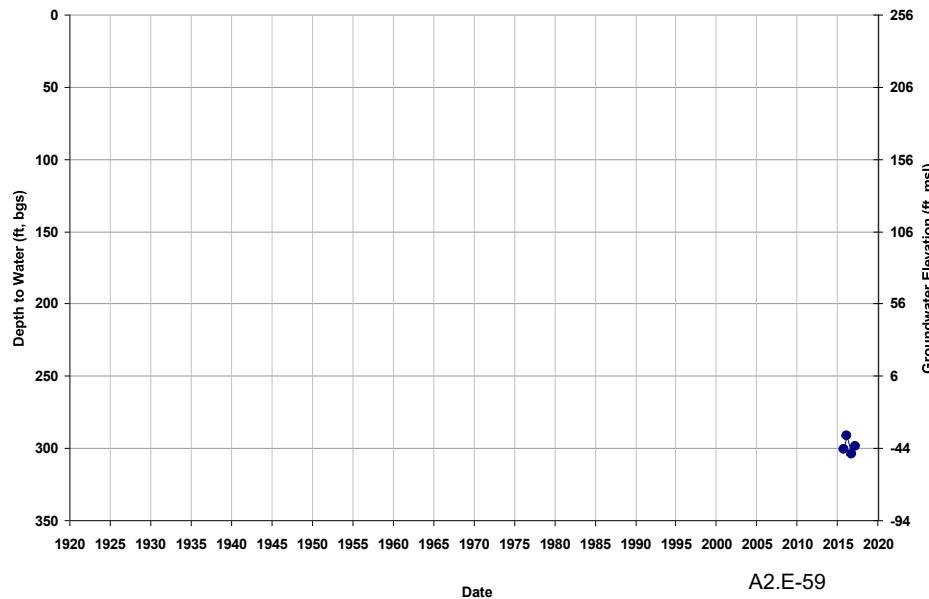
Well ID: 09S16E17F001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 249
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 09S16E18A
Depth Zone: Lower; Within CC
Subbasin: Chowchilla

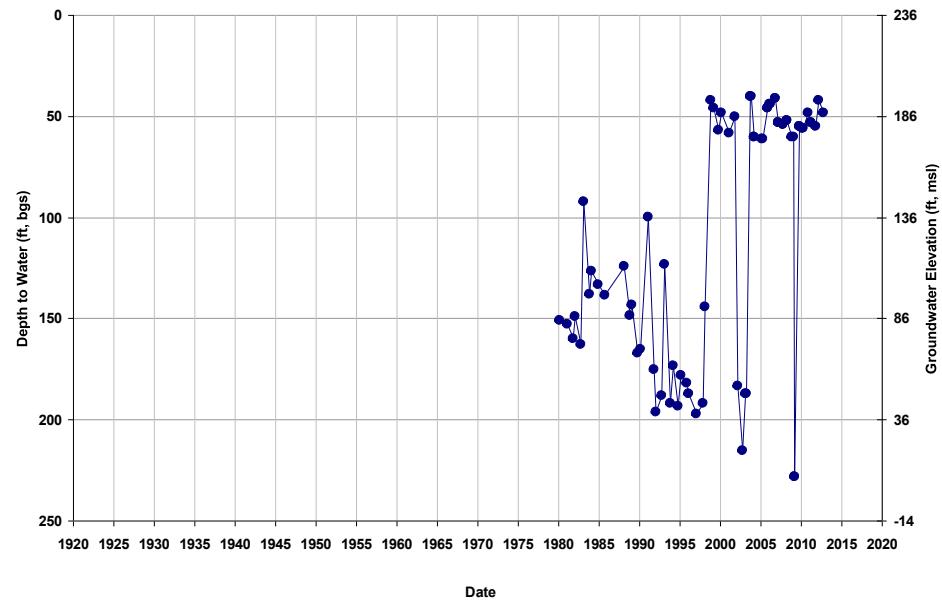
GSE (ft, msl): 256
Total Depth (ft): 800
Perf Top (ft): 320
Perf Bottom (ft): 762



A2.E-59

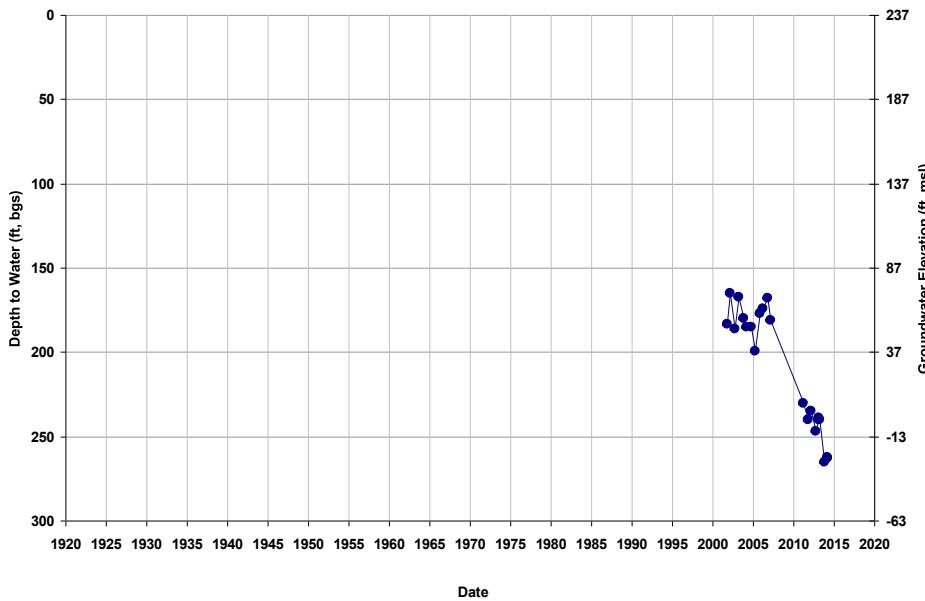
Well ID: 09S16E18M001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 236
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



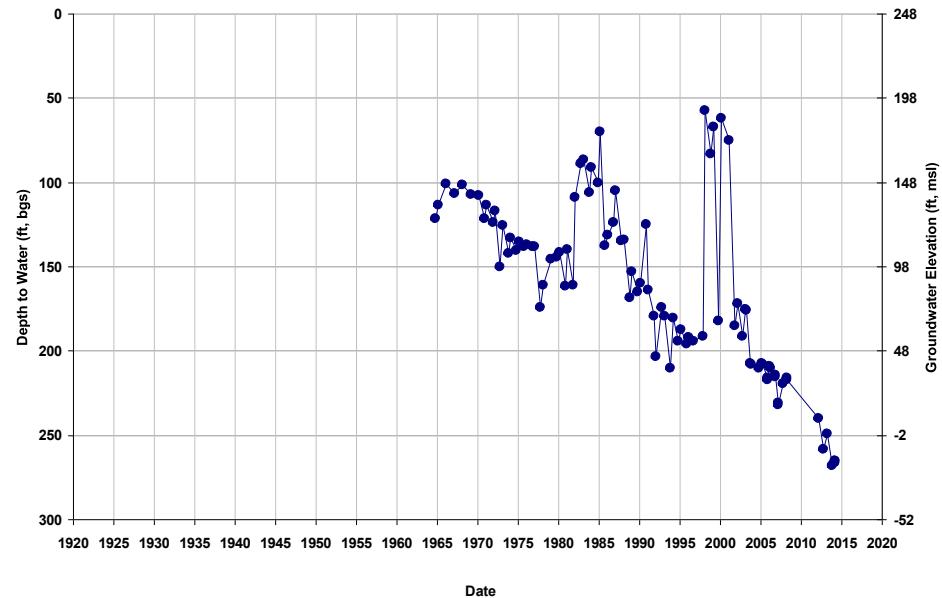
Well ID: 09S16E19D001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 237
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



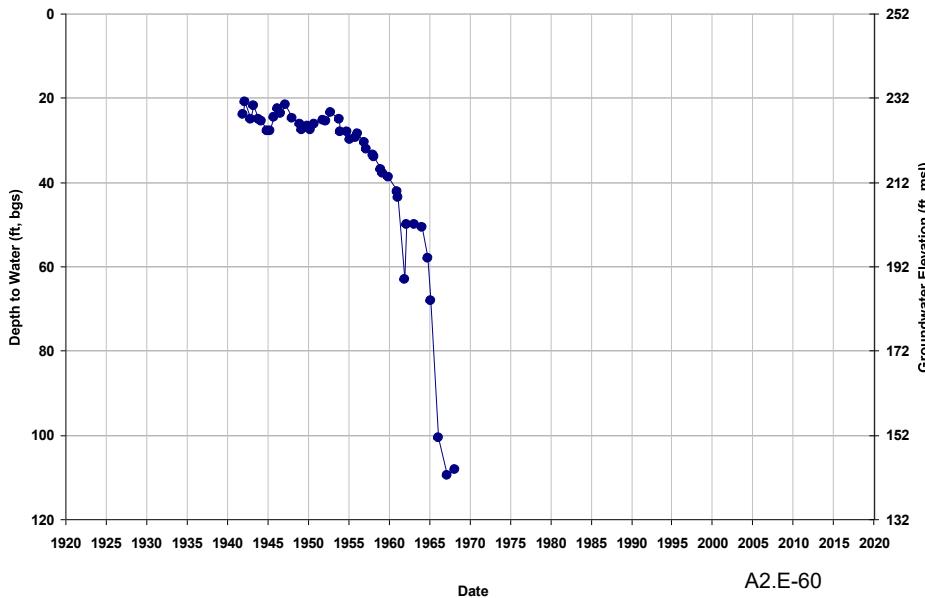
Well ID: 09S16E20E001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 248
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 09S16E20P001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

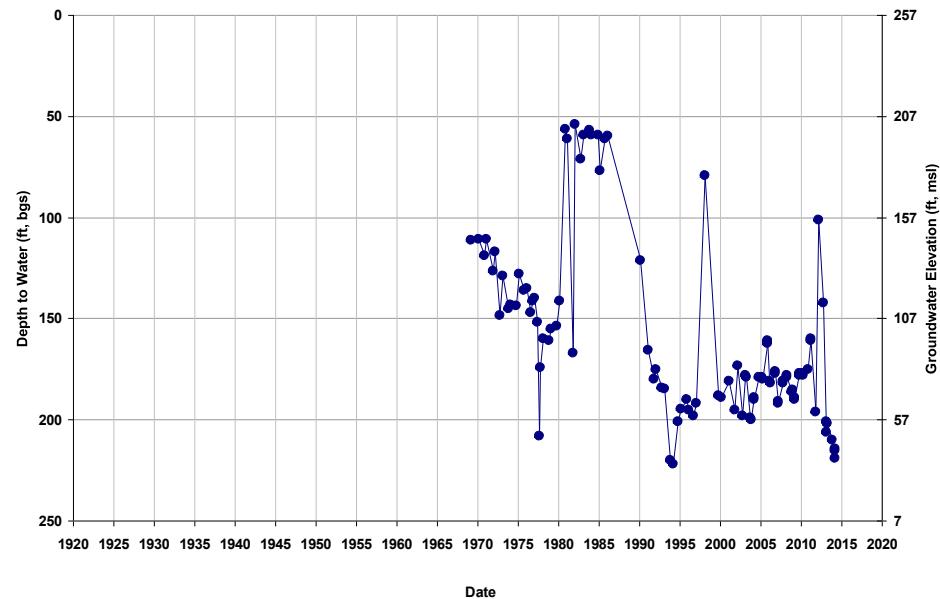
GSE (ft, msl): 252
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-60

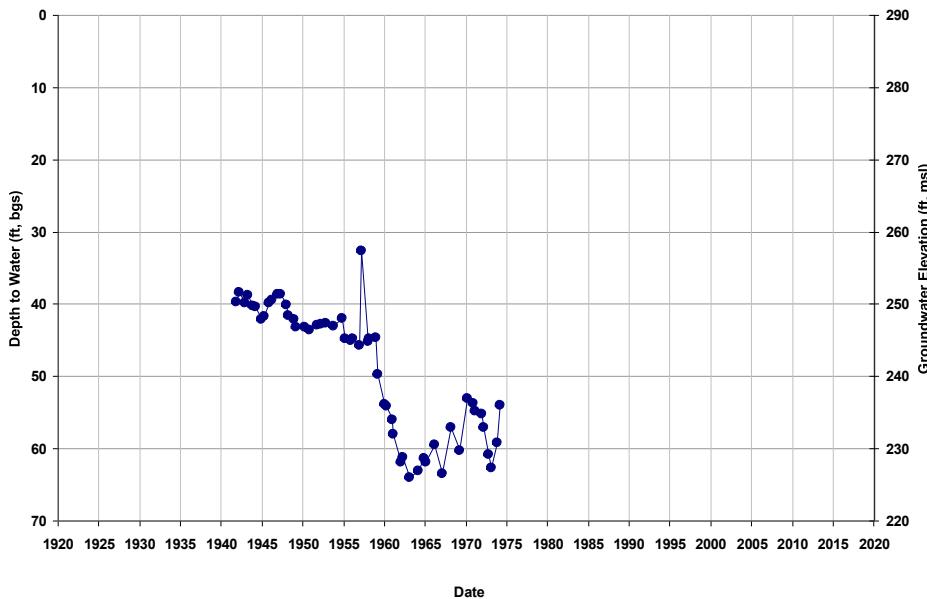
Well ID: 09S16E20P002M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 257
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



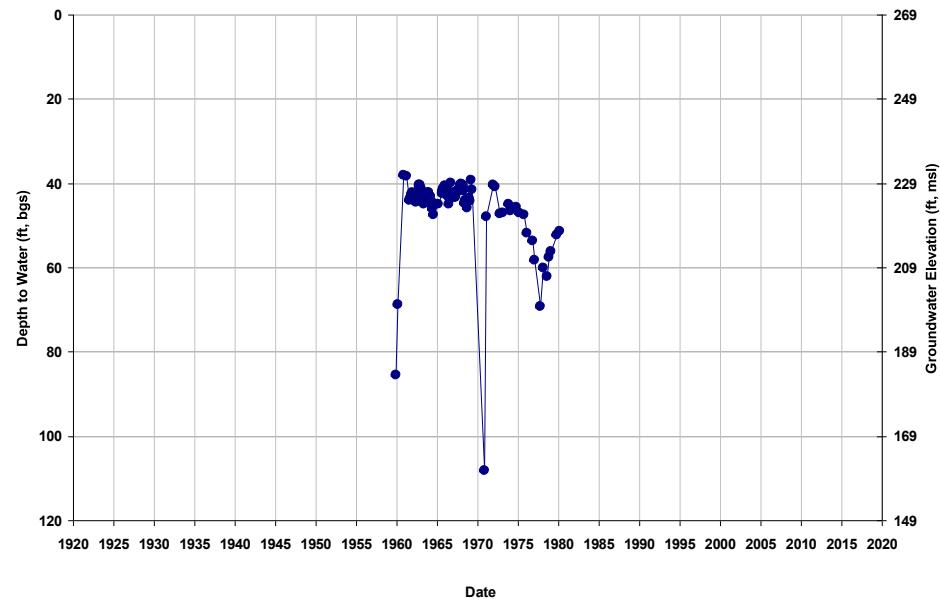
Well ID: 09S16E22H001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 290
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



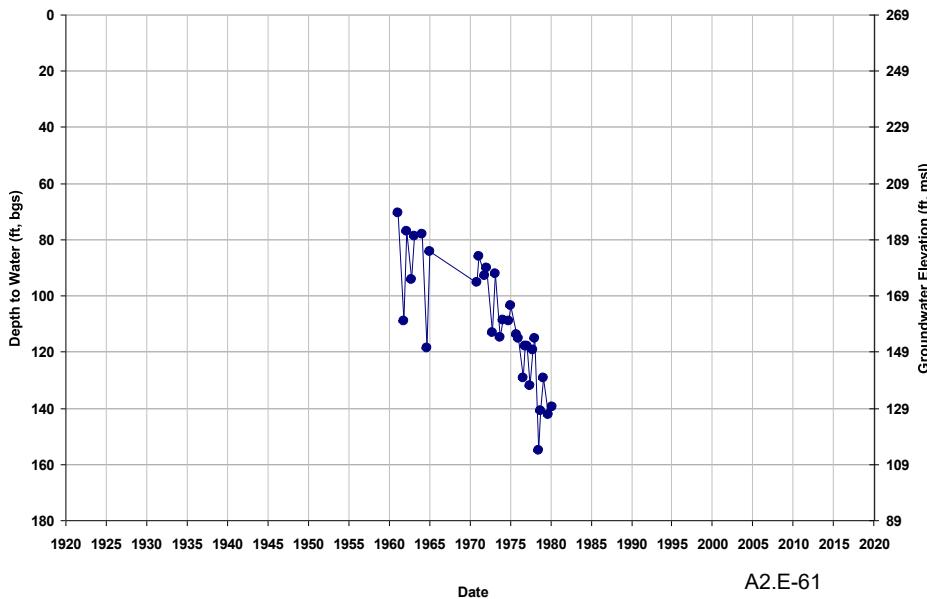
Well ID: 09S16E22R001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 269
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 09S16E22R002M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

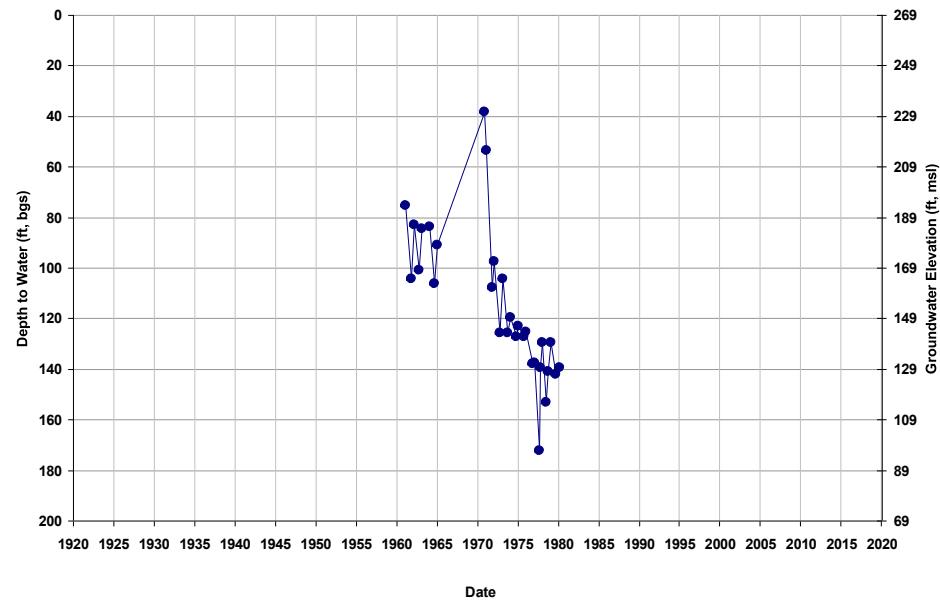
GSE (ft, msl): 269
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-61

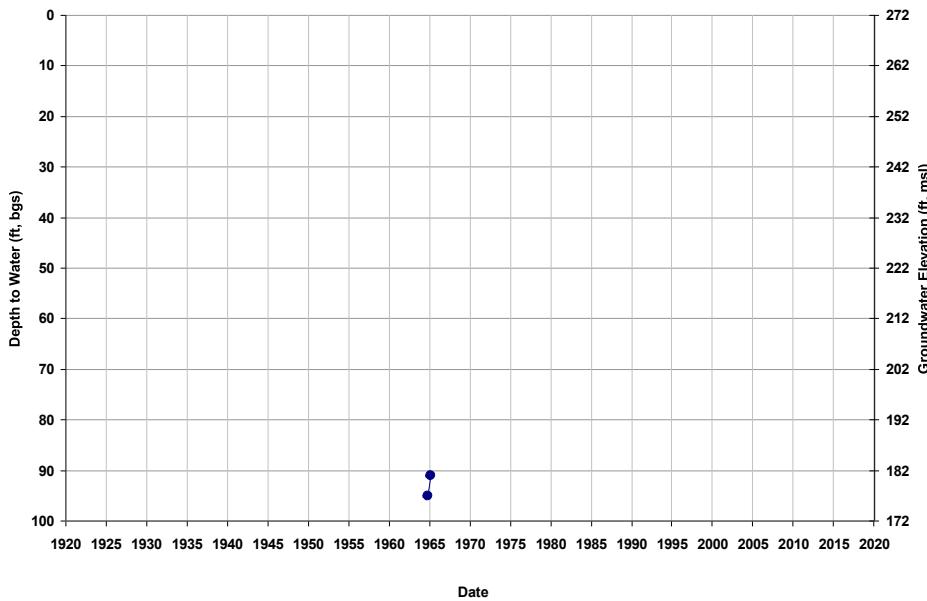
Well ID: 09S16E22R003M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 269
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



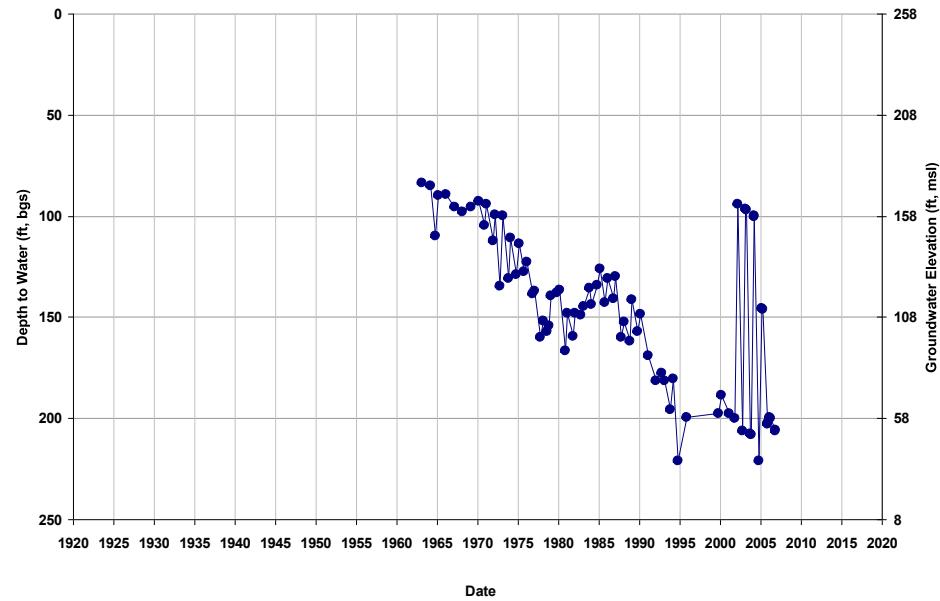
Well ID: 09S16E26E001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 272
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



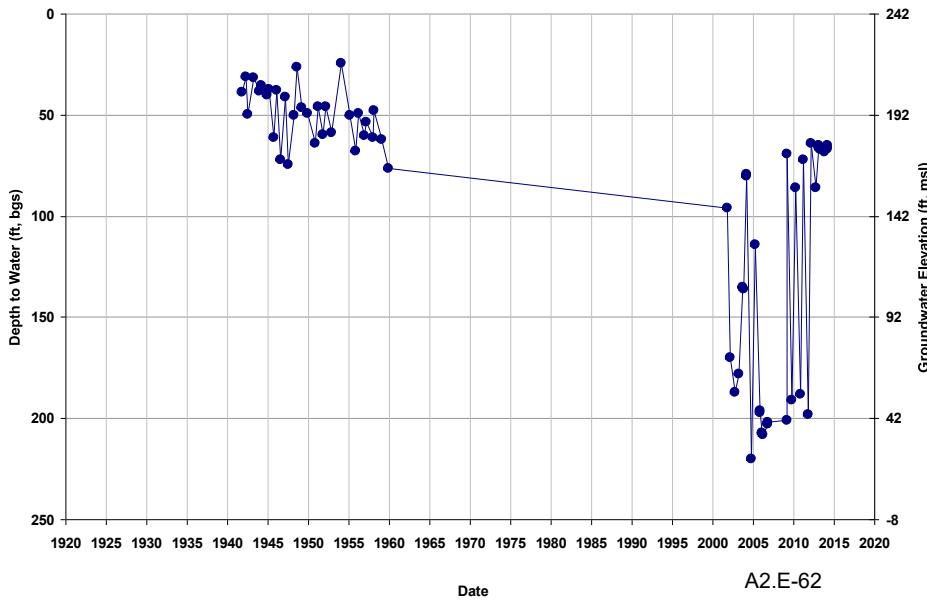
Well ID: 09S16E28A001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 258
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 09S16E29Q001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

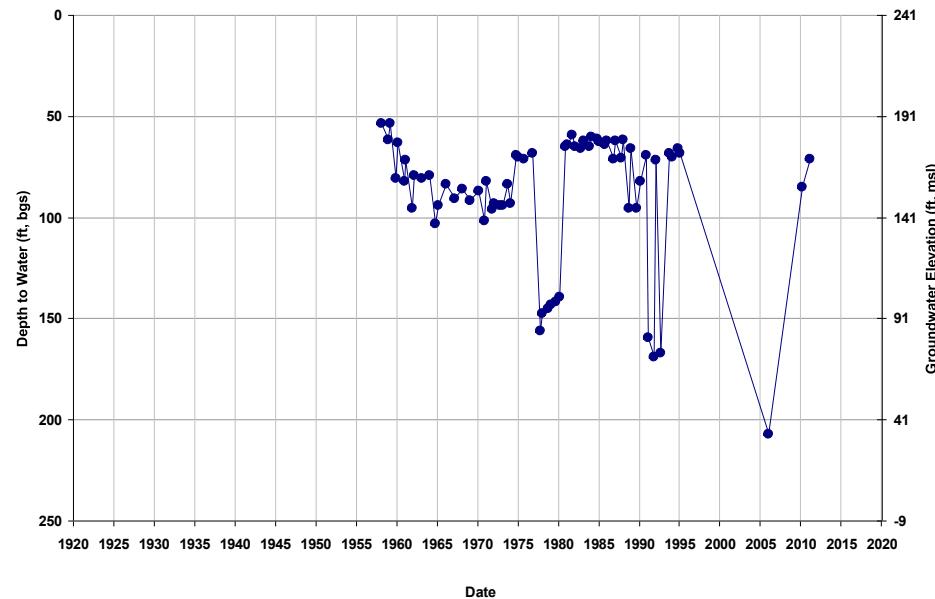
GSE (ft, msl): 242
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-62

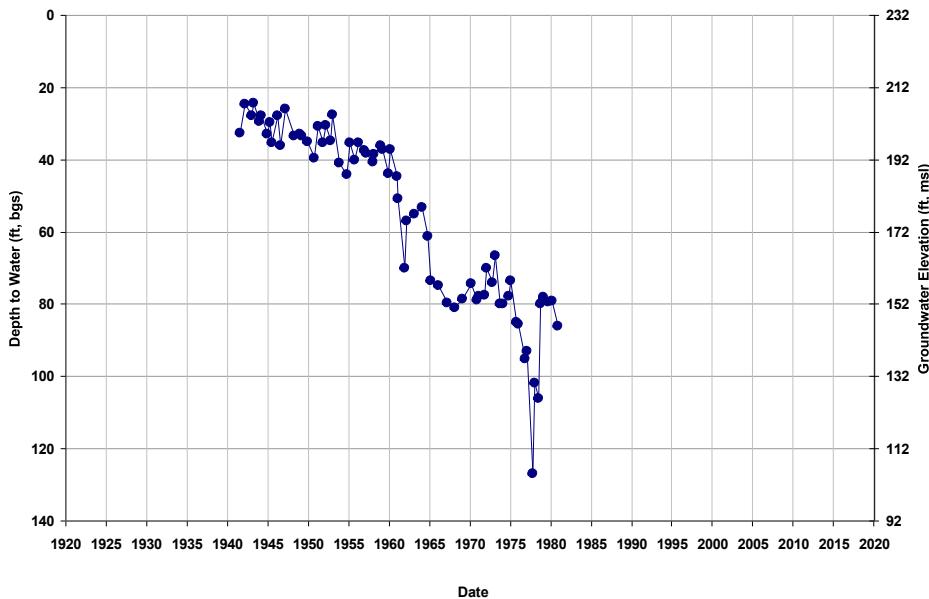
Well ID: 09S16E29Q002M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 241
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



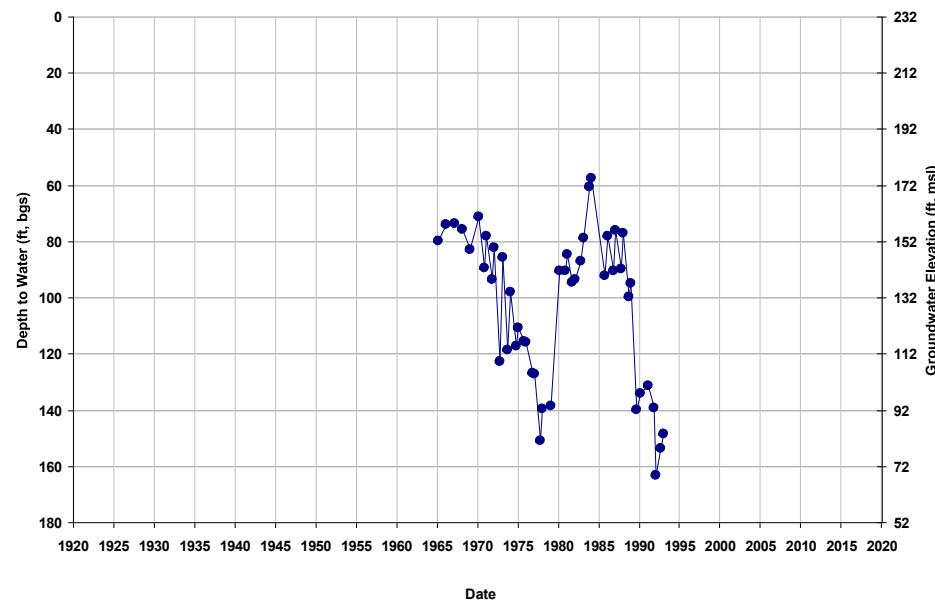
Well ID: 09S16E31L001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 232
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



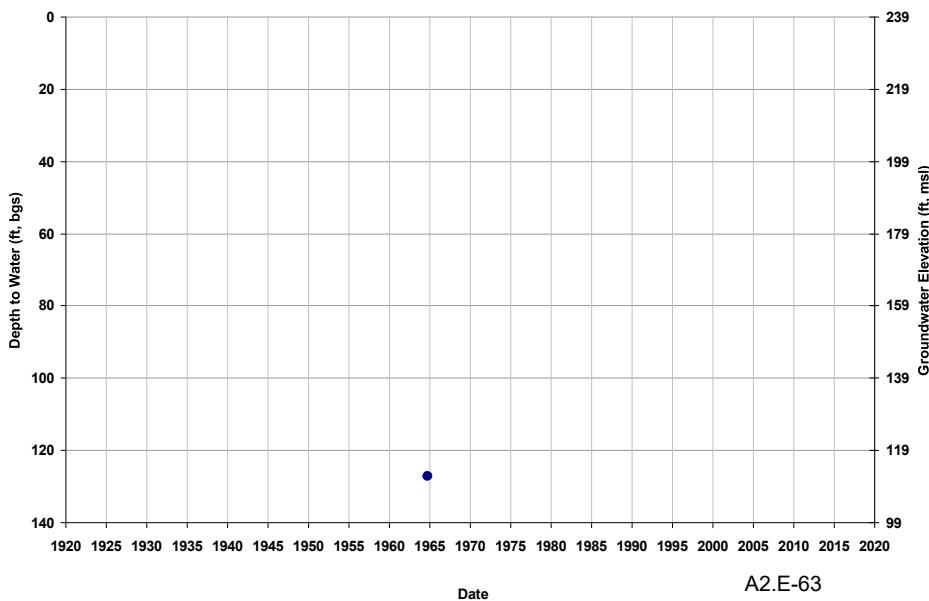
Well ID: 09S16E31P001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 232
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 09S16E32C001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

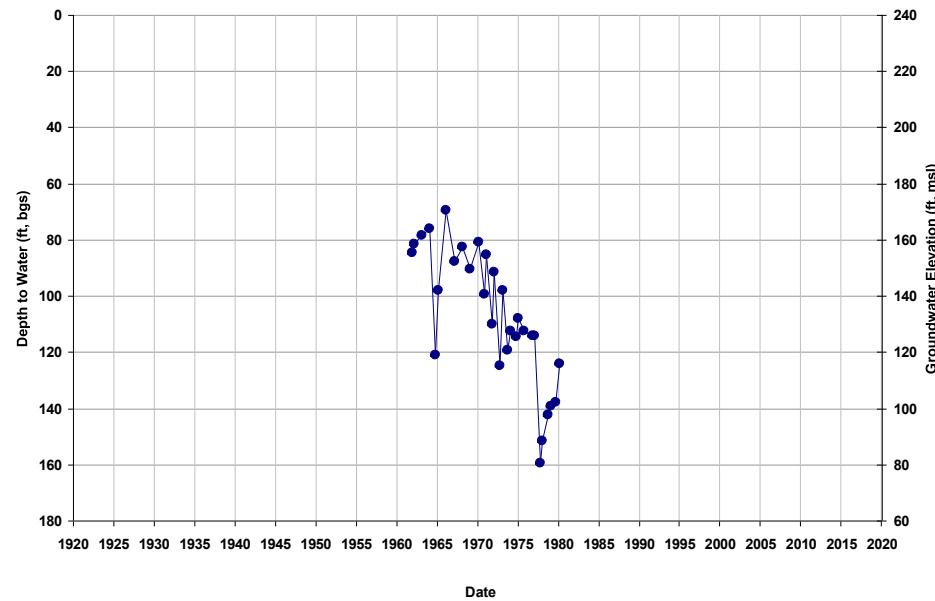
GSE (ft, msl): 239
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-63

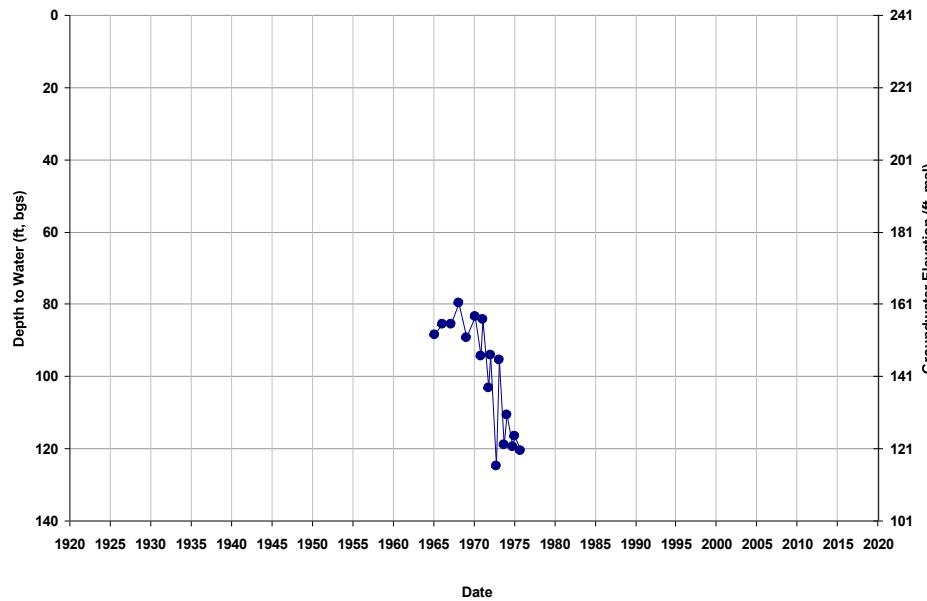
Well ID: 09S16E32F001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 240
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



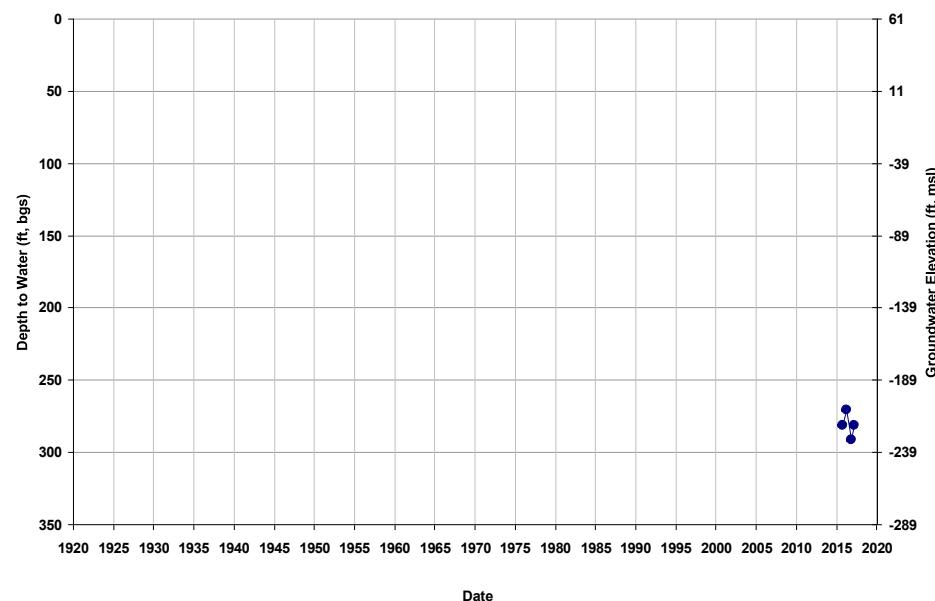
Well ID: 09S16E32L001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 241
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



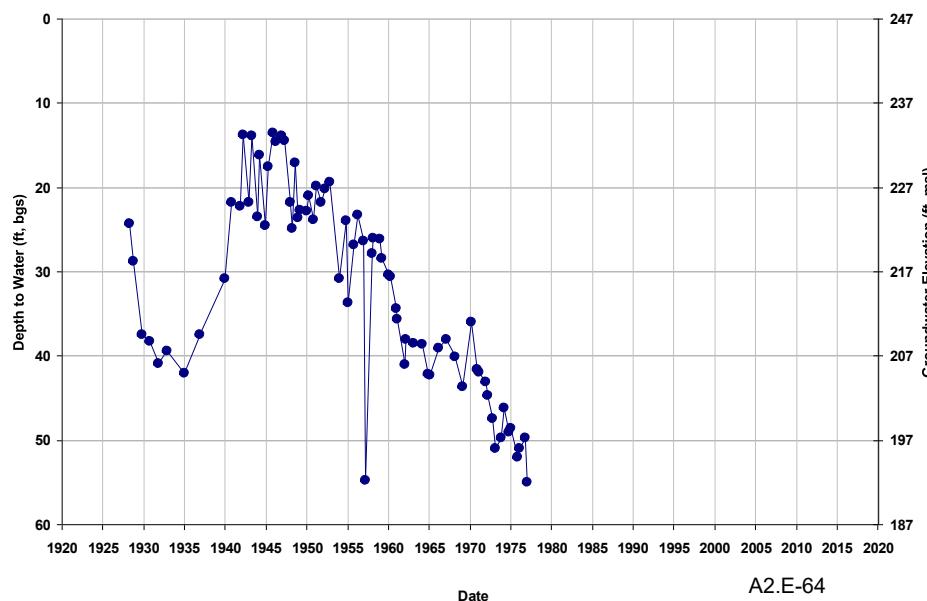
Well ID: 09S16E32Q
Depth Zone: Lower; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 61
Total Depth (ft): 400
Perf Top (ft): 200
Perf Bottom (ft): 400



Well ID: 09S16E33E001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

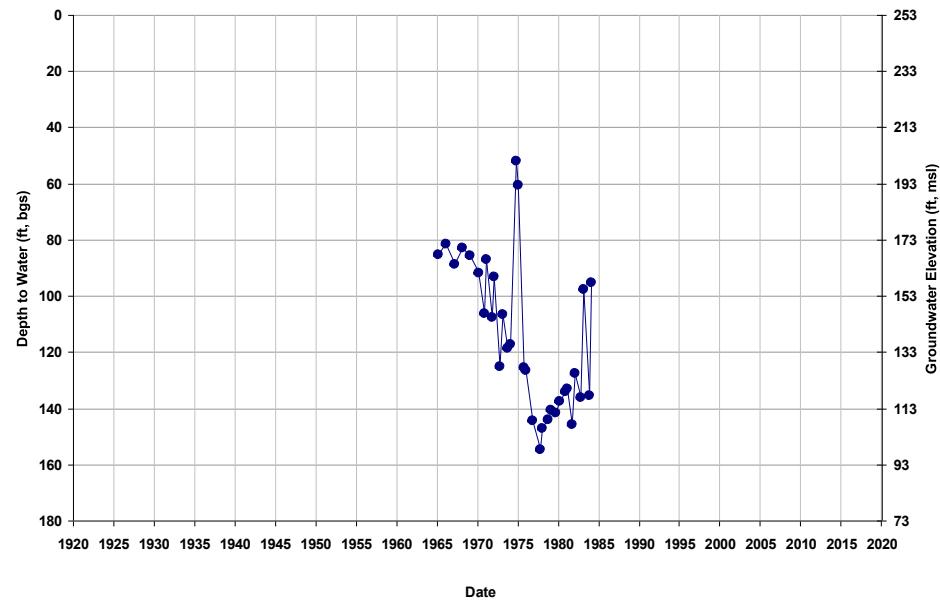
GSE (ft, msl): 246
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-64

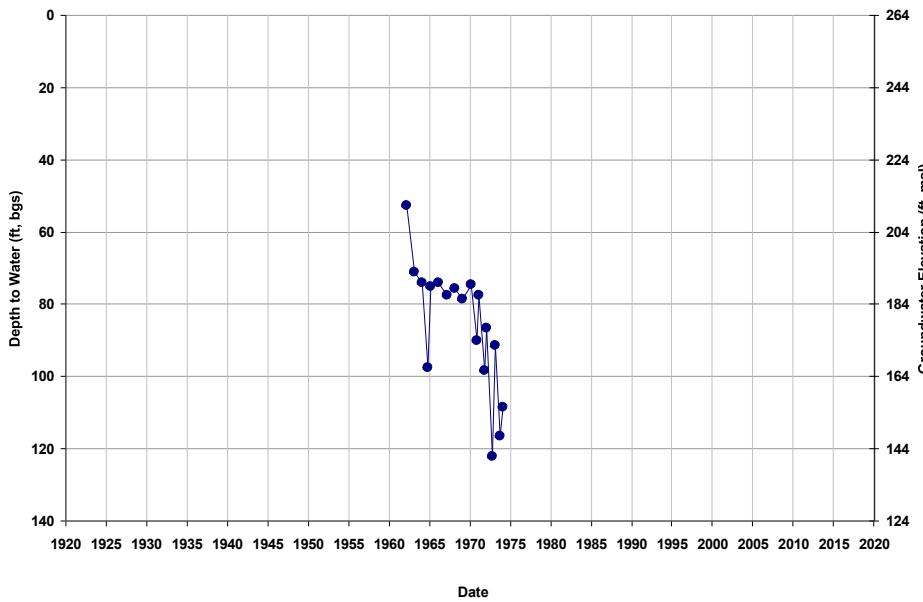
Well ID: 09S16E33F002M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 253
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



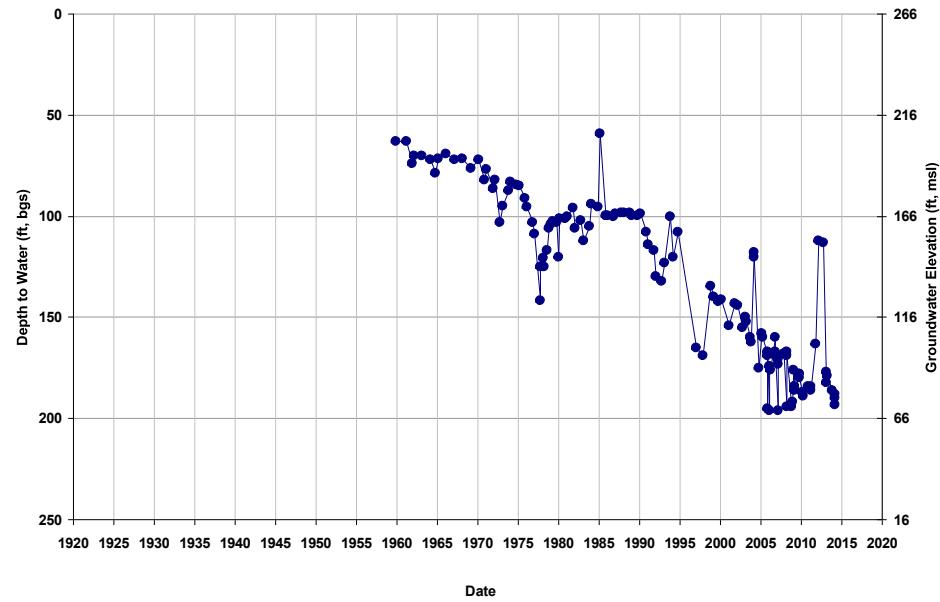
Well ID: 09S16E34A001M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

GSE (ft, msl): 264
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



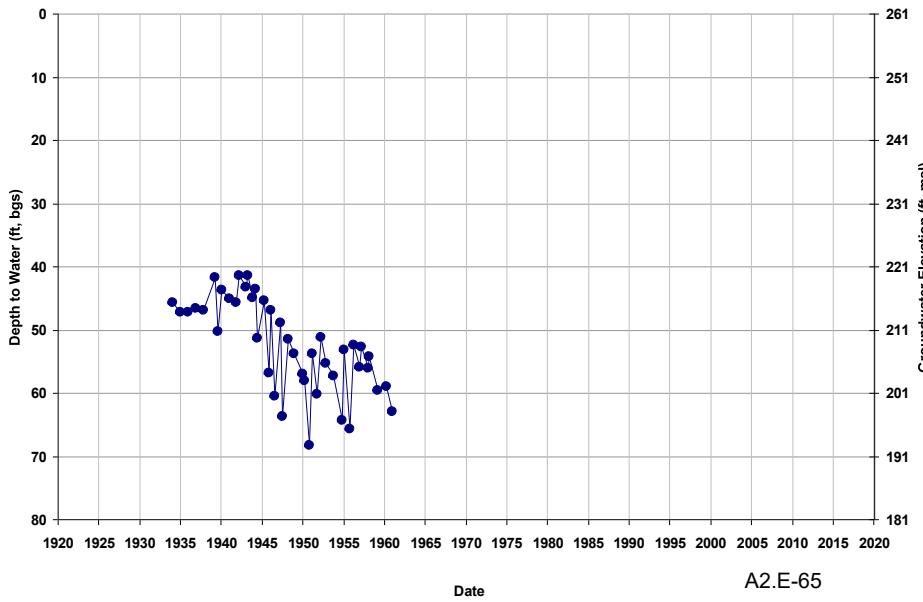
Well ID: 09S16E34J001M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

GSE (ft, msl): 266
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 09S16E34R001M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

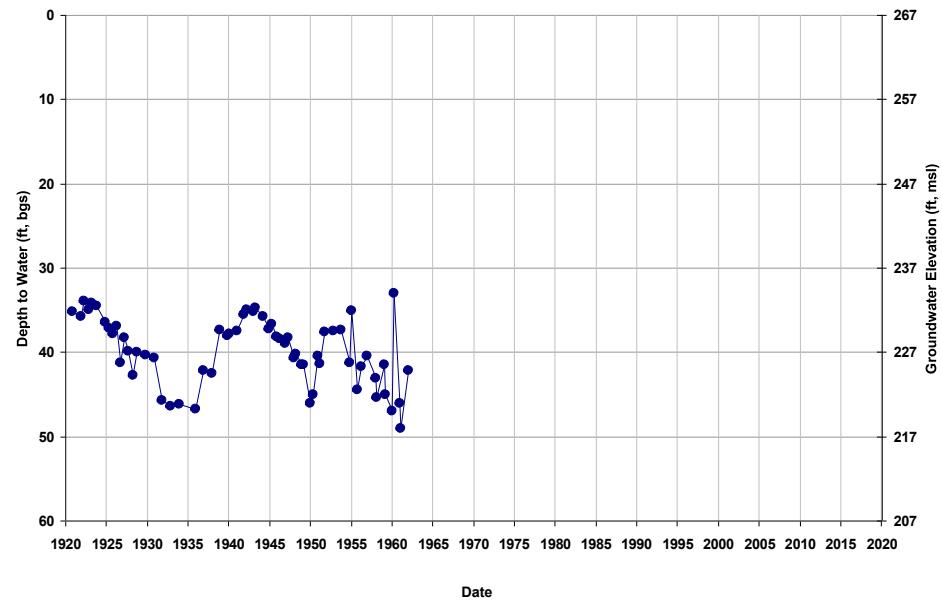
GSE (ft, msl): 261
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-65

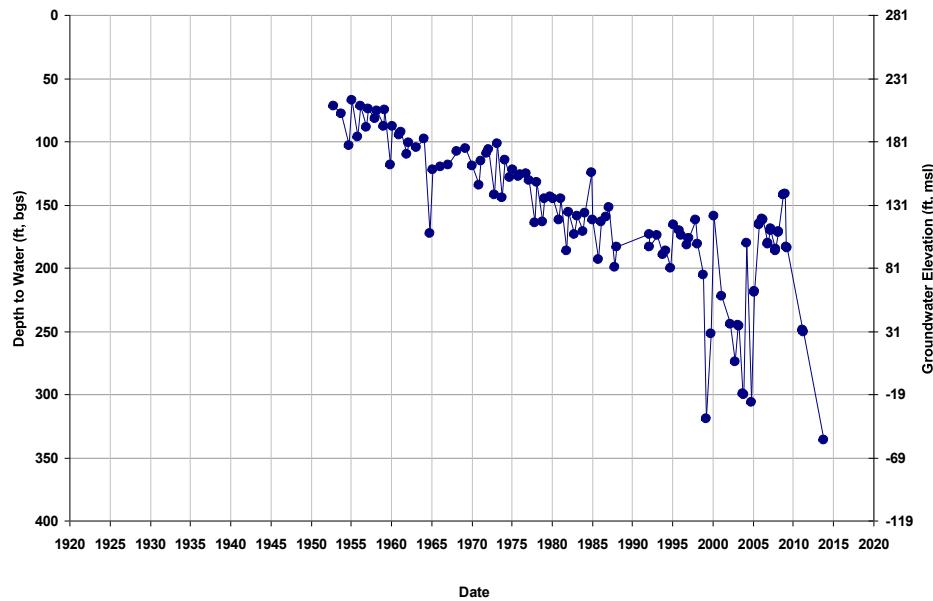
Well ID: 09S16E35D001M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

GSE (ft, msl): 267
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



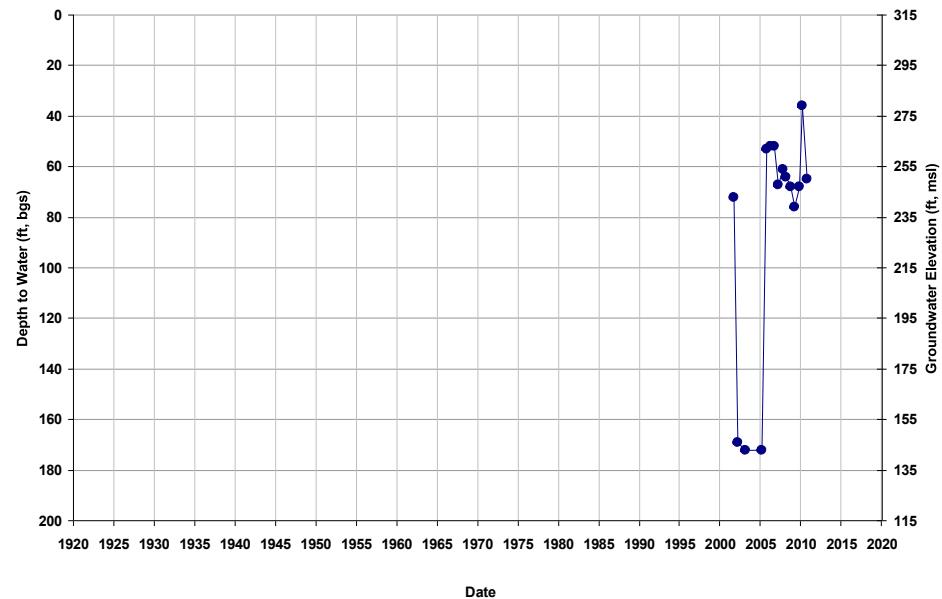
Well ID: 09S16E36J001M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

GSE (ft, msl): 281
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



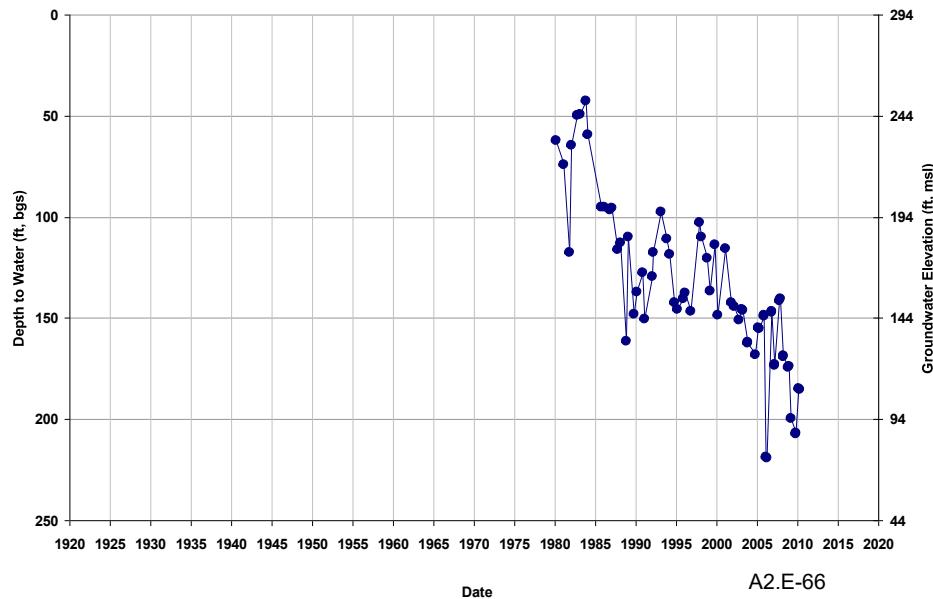
Well ID: 09S17E08F001M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

GSE (ft, msl): 315
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 09S17E17F001M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

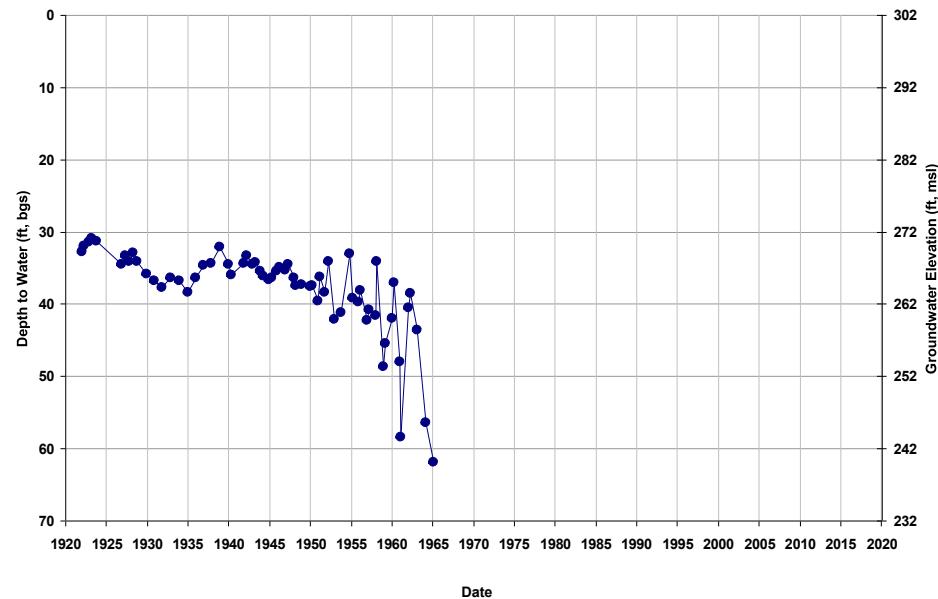
GSE (ft, msl): 294
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-66

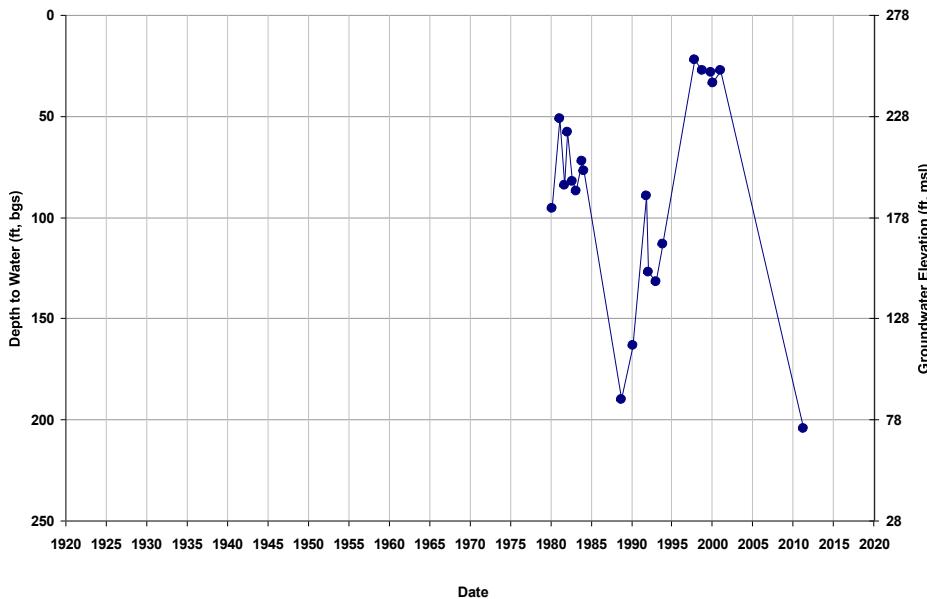
Well ID: 09S17E18D001M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

GSE (ft, msl): 302
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



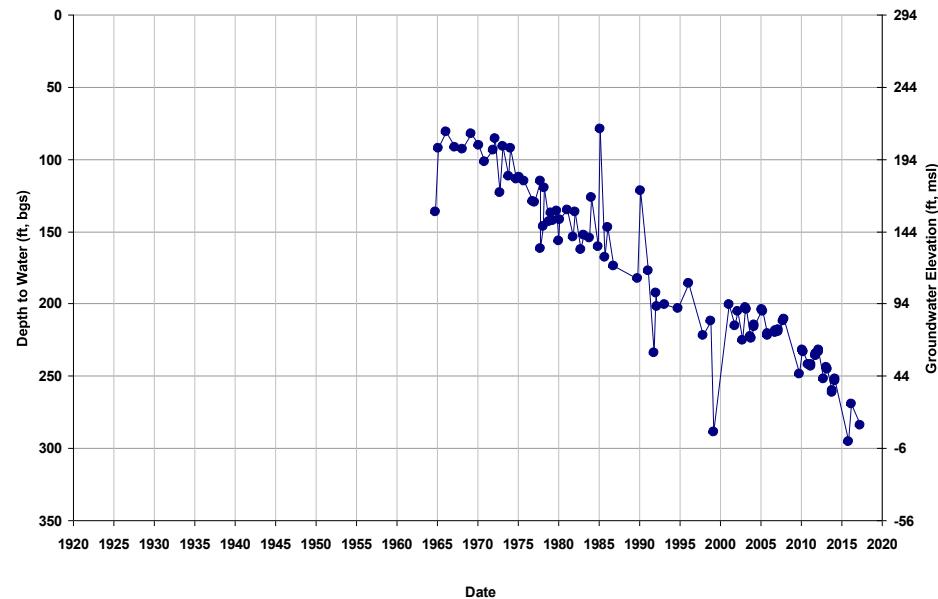
Well ID: 09S17E18N002M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

GSE (ft, msl): 278
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



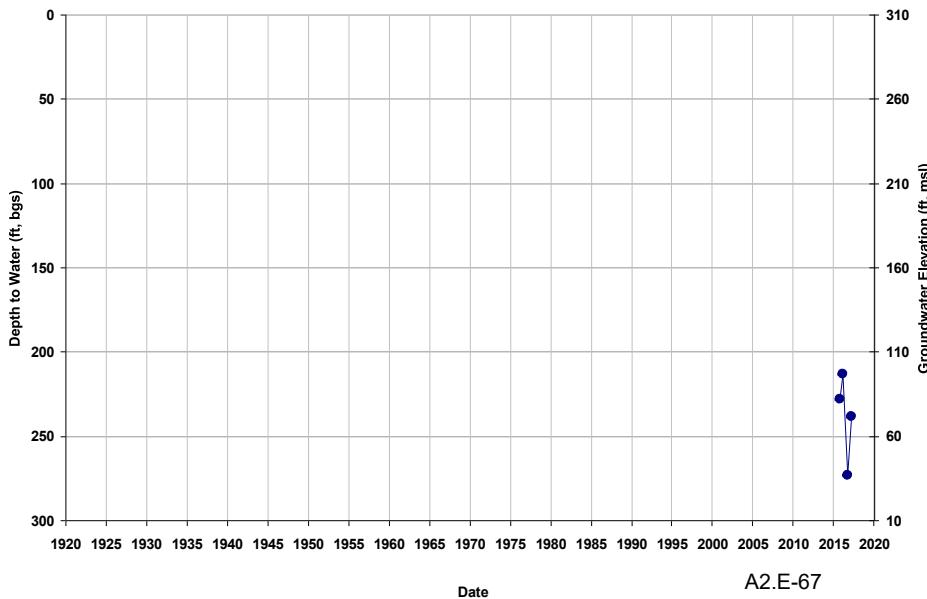
Well ID: 09S17E19L001M
Depth Zone: Lower; Outside CC
Subbasin: Chowchilla

GSE (ft, msl): 294
Total Depth (ft): 648
Perf Top (ft): 240
Perf Bottom (ft): 620



Well ID: 09S17E20C
Depth Zone: Lower; Outside CC
Subbasin: Chowchilla

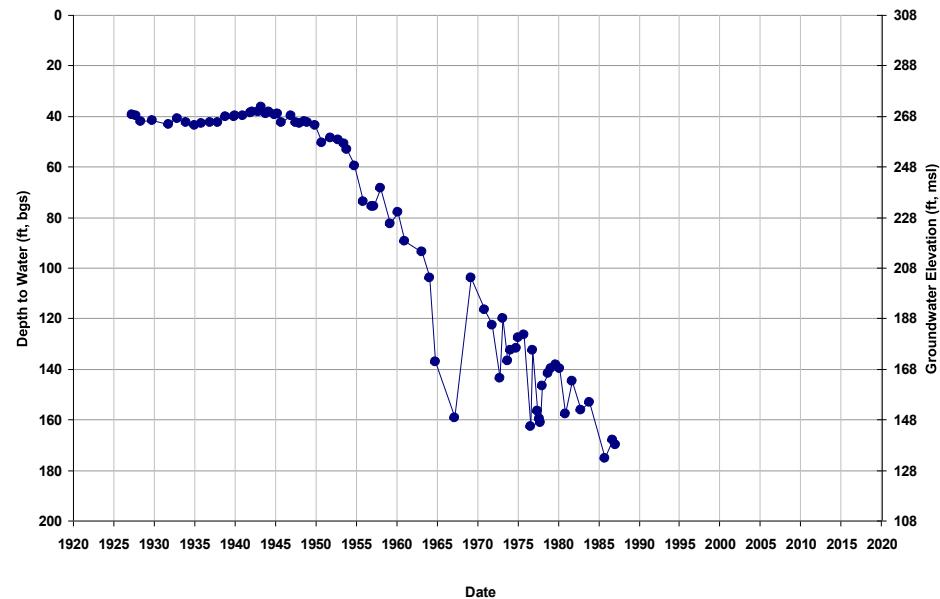
GSE (ft, msl): 310
Total Depth (ft): 720
Perf Top (ft): 200
Perf Bottom (ft): 720



A2.E-67

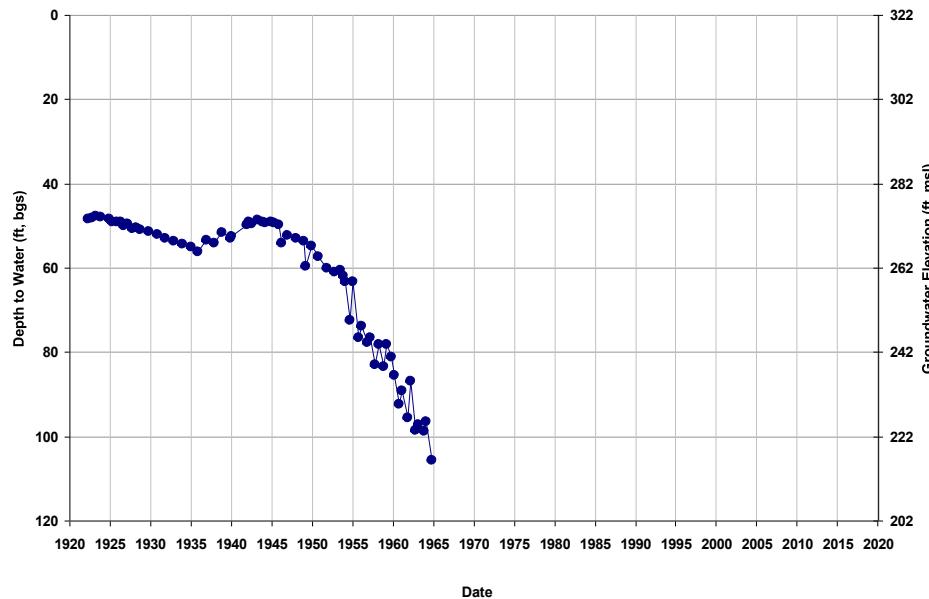
Well ID: 09S17E20L001M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

GSE (ft, msl): 308
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



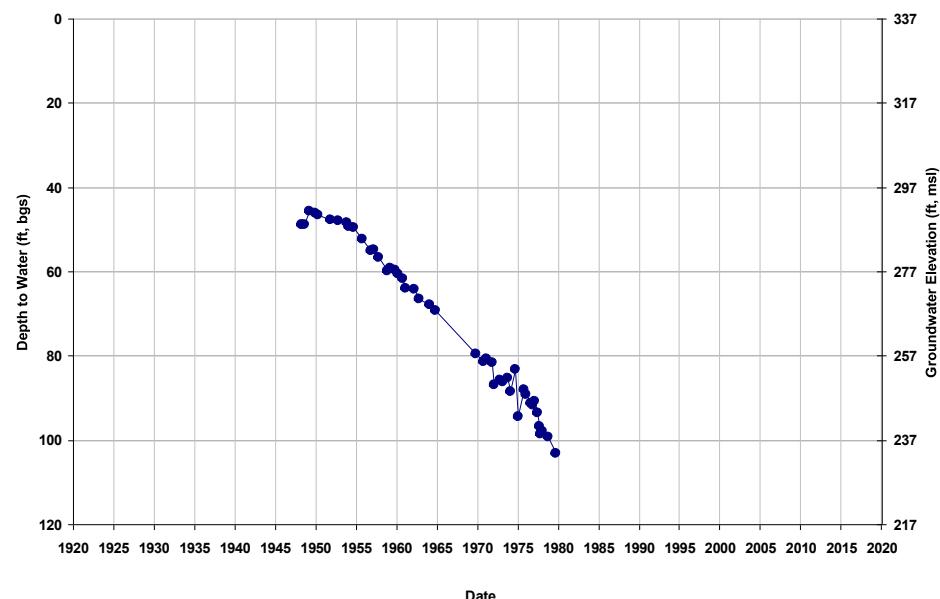
Well ID: 09S17E21L001M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

GSE (ft, msl): 322
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



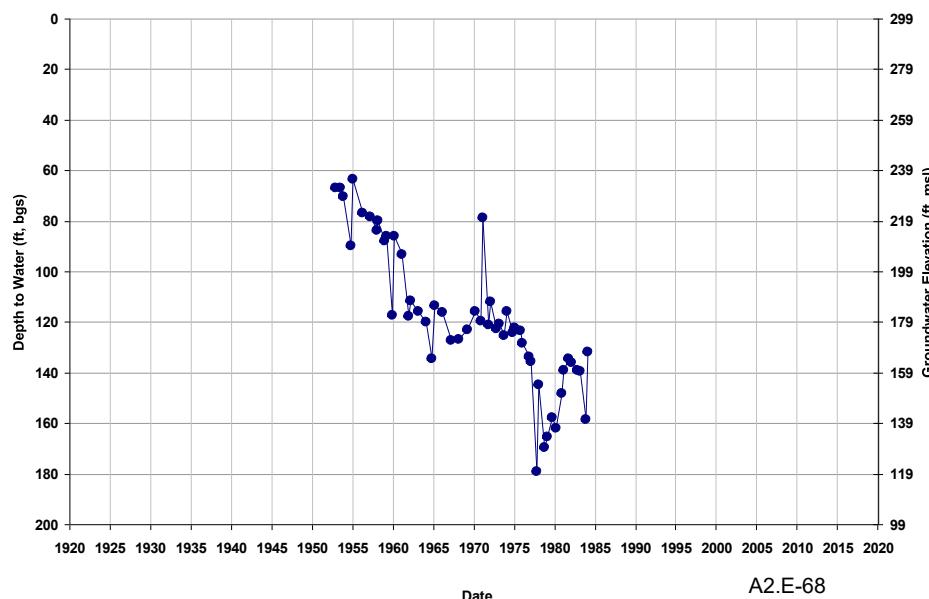
Well ID: 09S17E23F001M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

GSE (ft, msl): 337
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 09S17E30H001M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

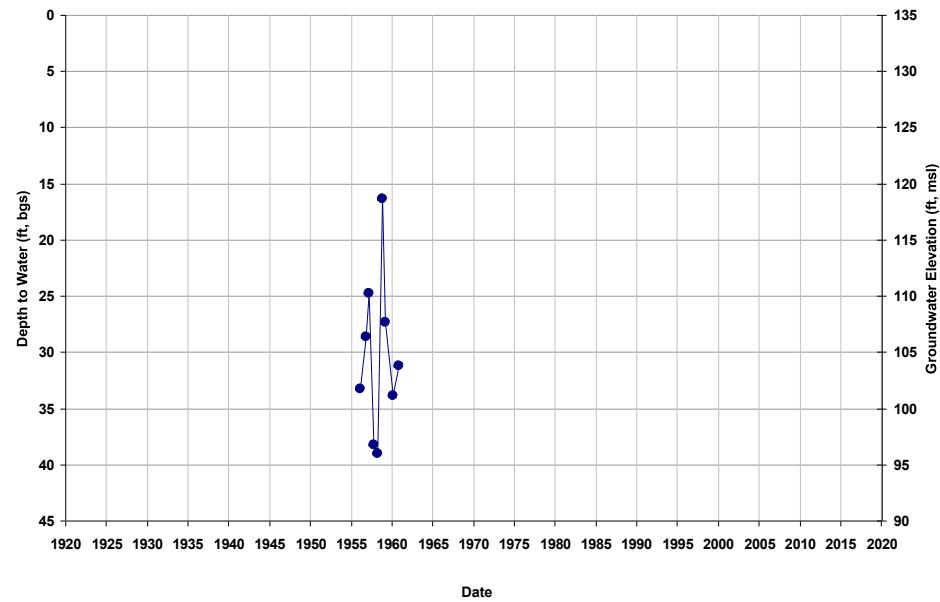
GSE (ft, msl): 299
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-68

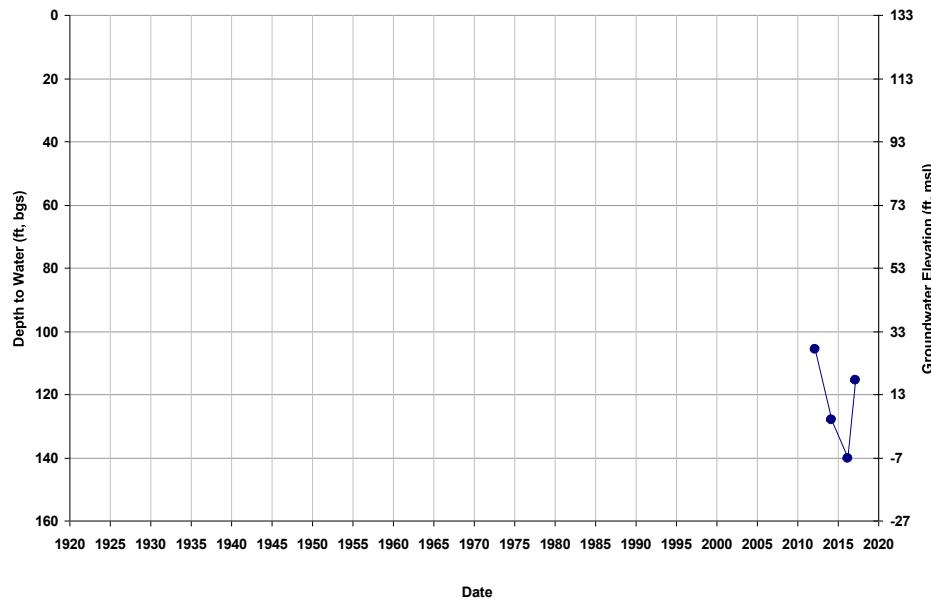
Well ID: 10S13E13A001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 134
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



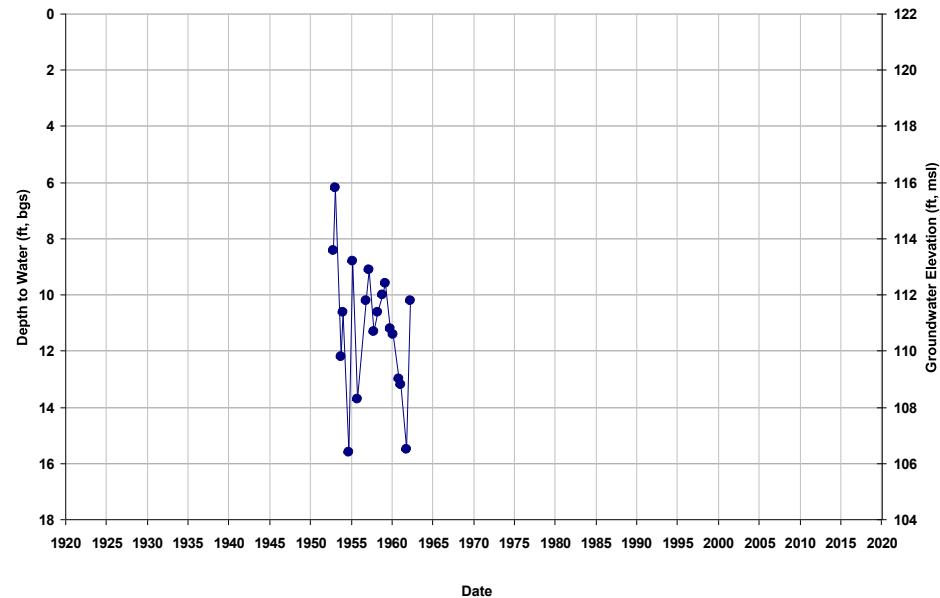
Well ID: 10S13E13J001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 132
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



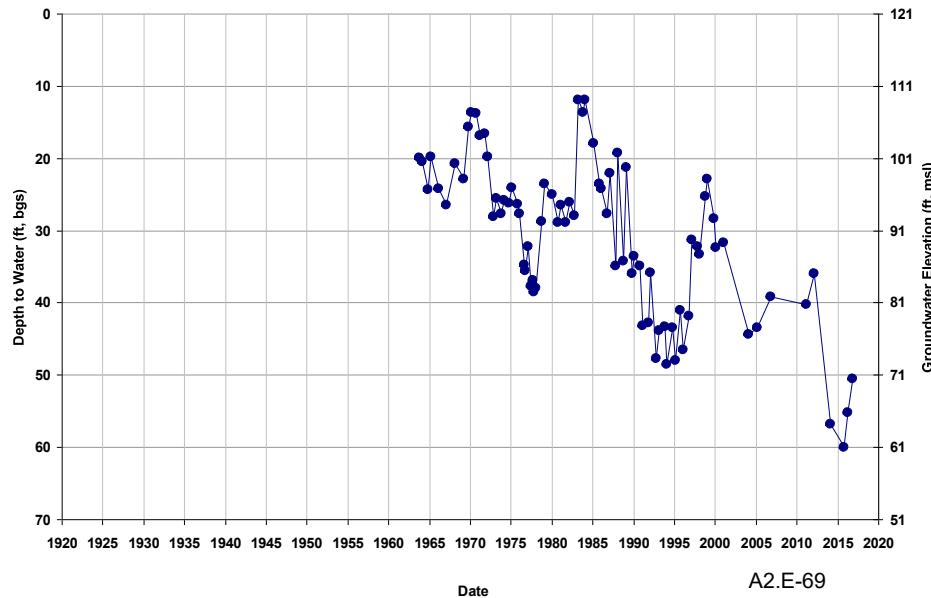
Well ID: 10S13E22Q002M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 122
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 10S13E22R001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

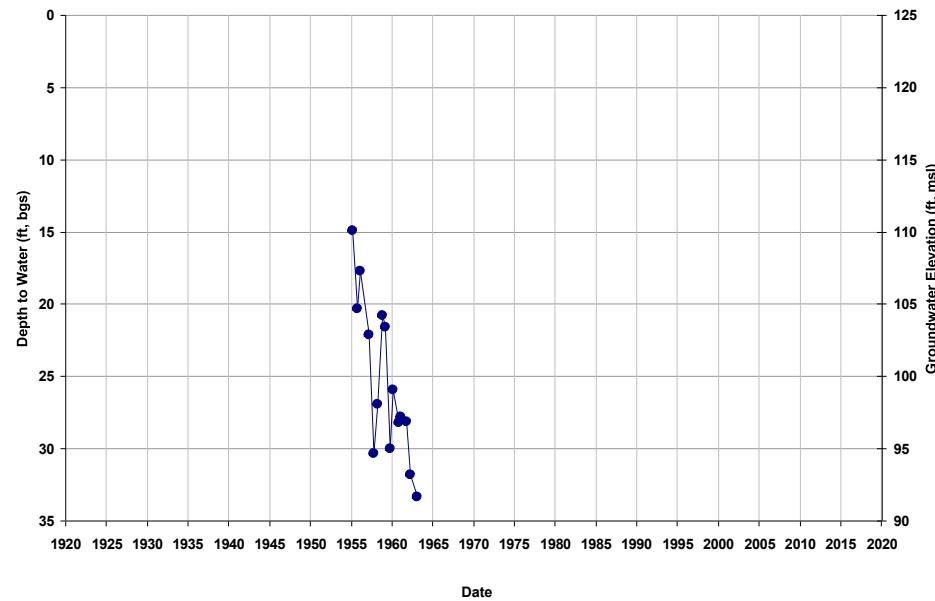
GSE (ft, msl): 121
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-69

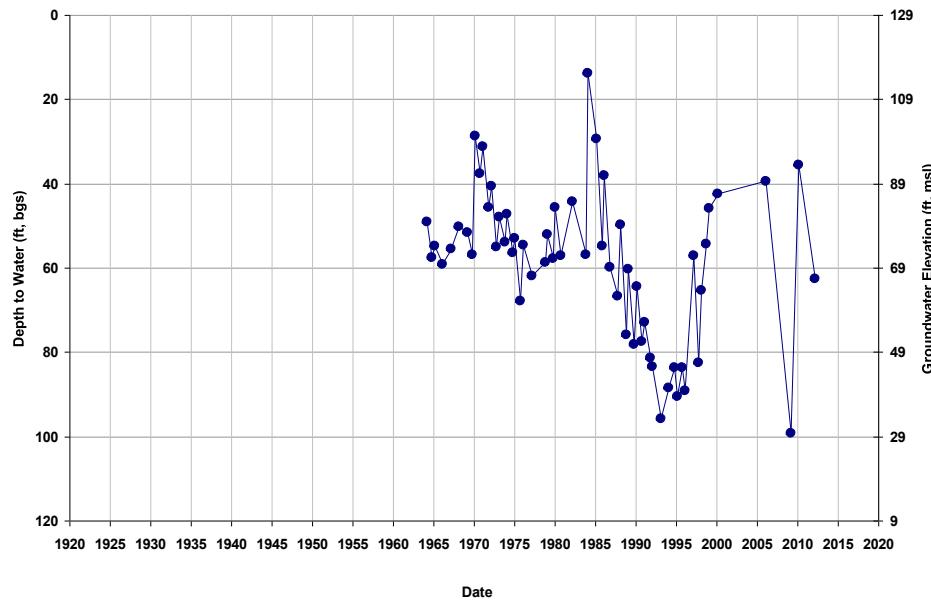
Well ID: 10S13E24E001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 125
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



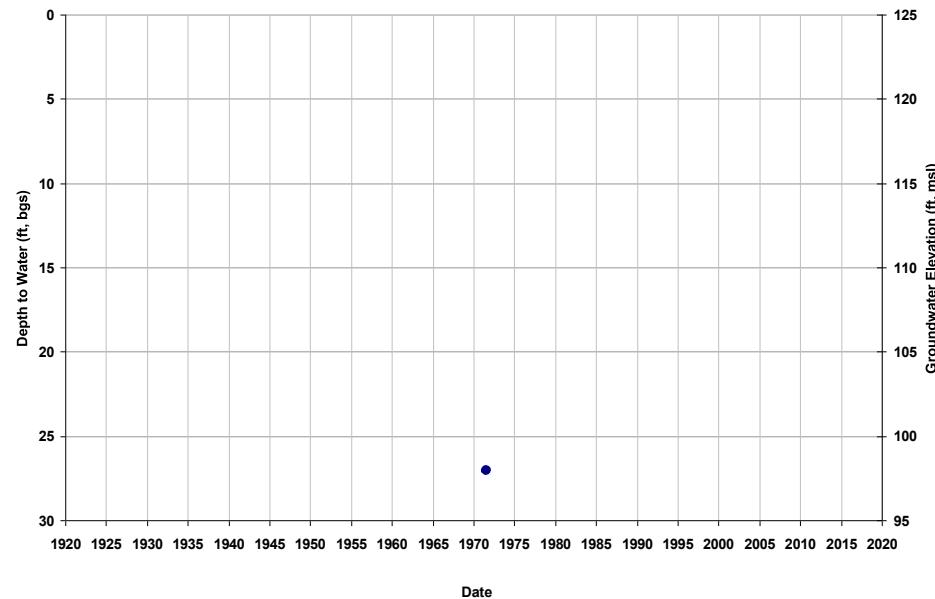
Well ID: 10S13E24L001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 129
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



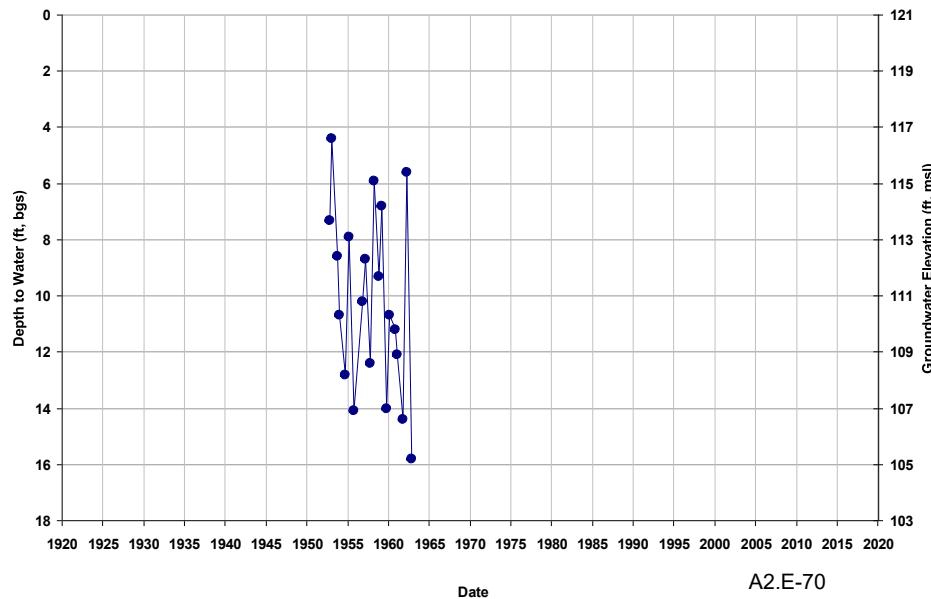
Well ID: 10S13E26J001M
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 125
Total Depth (ft): 175
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 10S13E27R001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

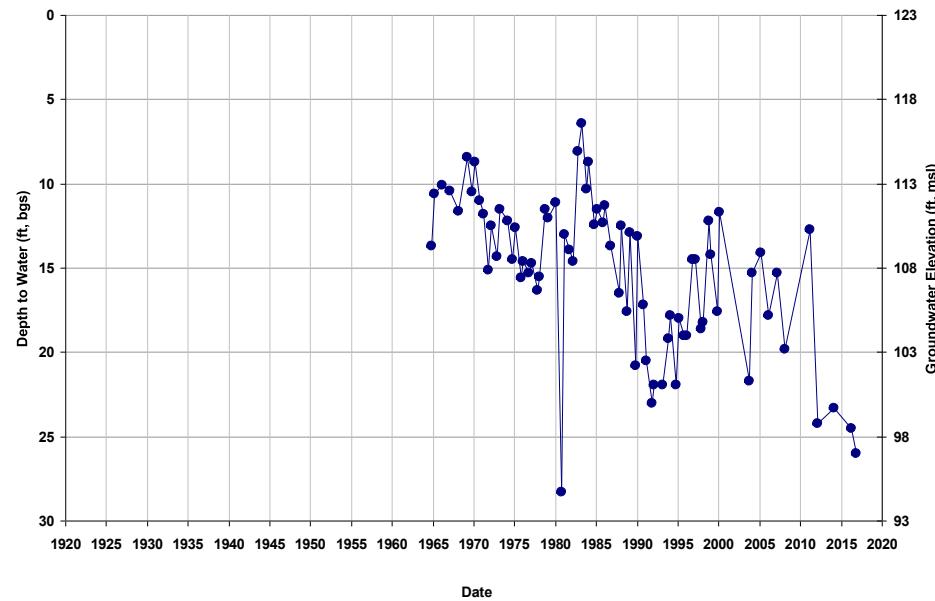
GSE (ft, msl): 121
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-70

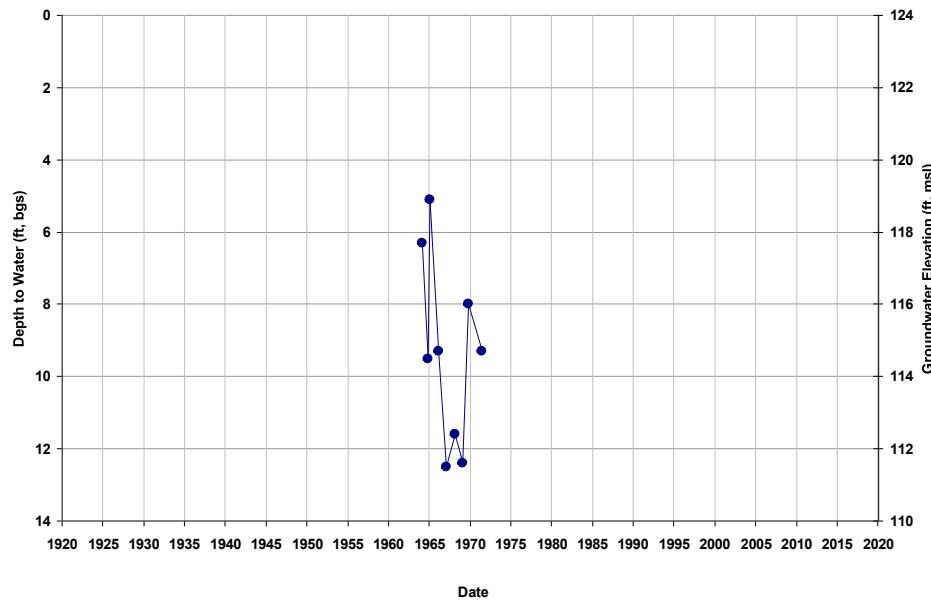
Well ID: 10S13E34G001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 123
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



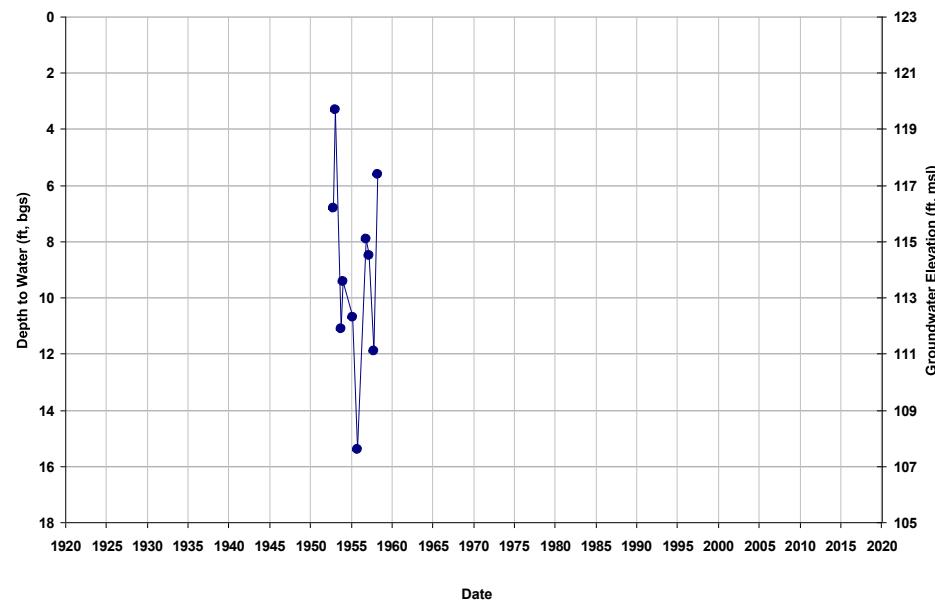
Well ID: 10S13E35G001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 124
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



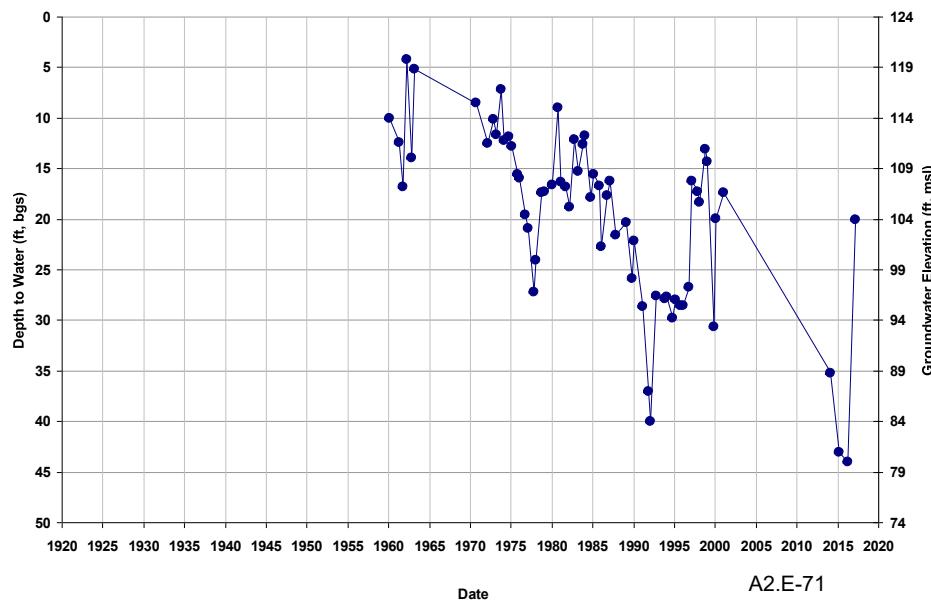
Well ID: 10S13E35H001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 123
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 10S13E35K001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

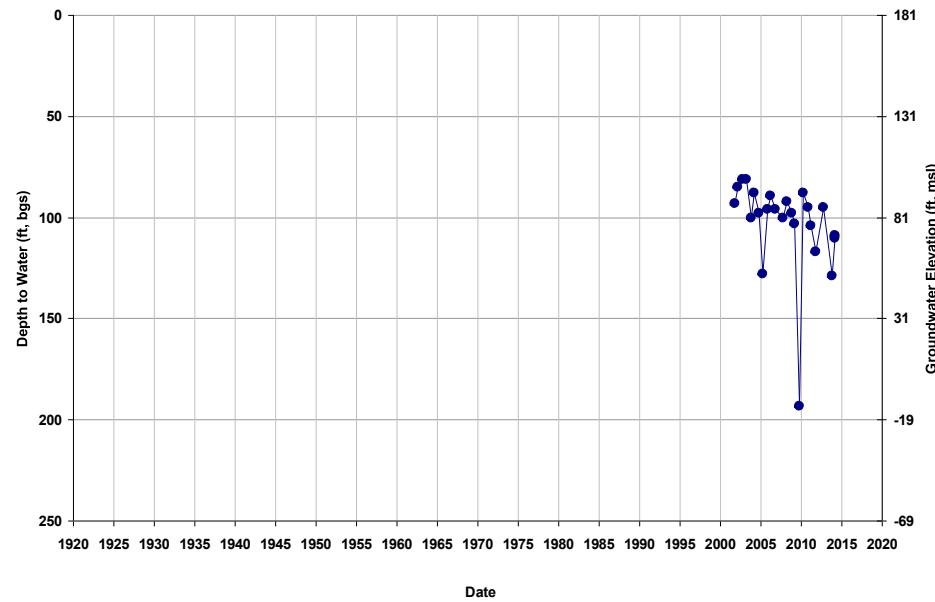
GSE (ft, msl): 124
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-71

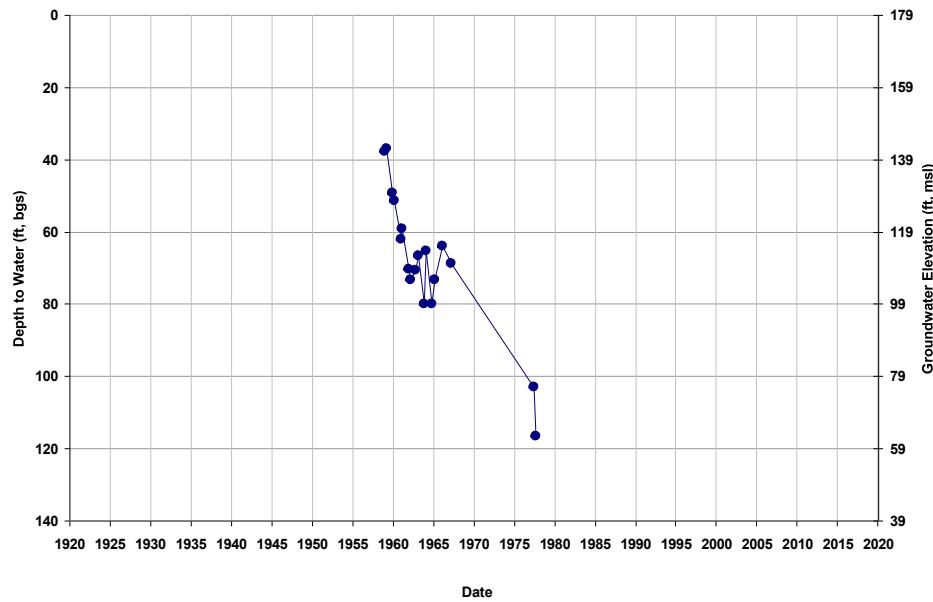
Well ID: 10S14E01A001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 181
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



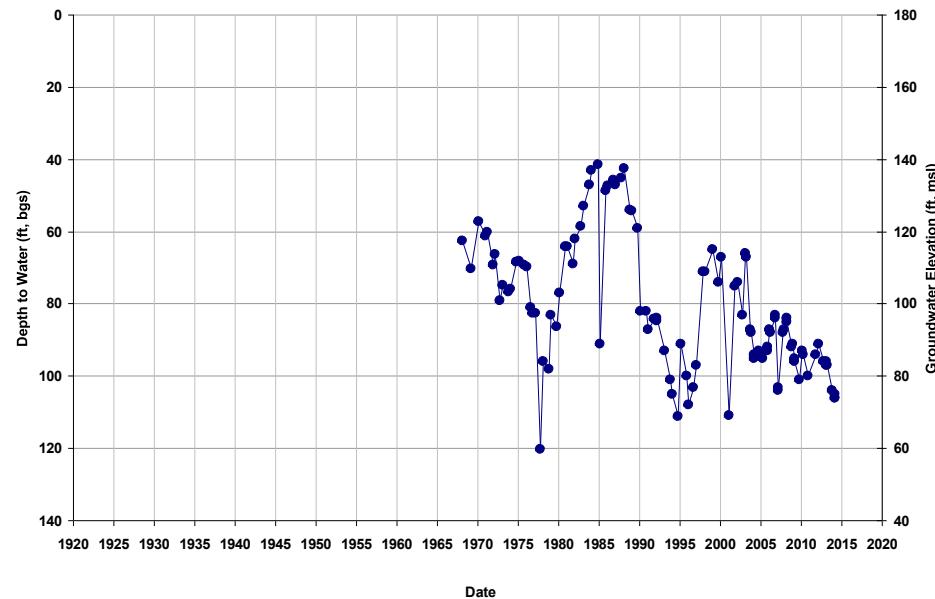
Well ID: 10S14E01R001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 179
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



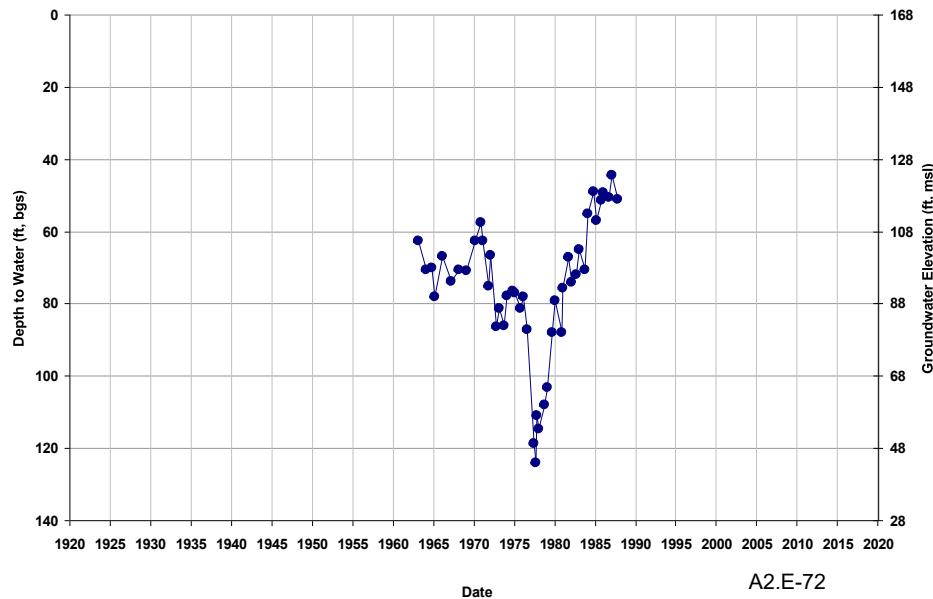
Well ID: 10S14E01R002M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 180
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 10S14E02L001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

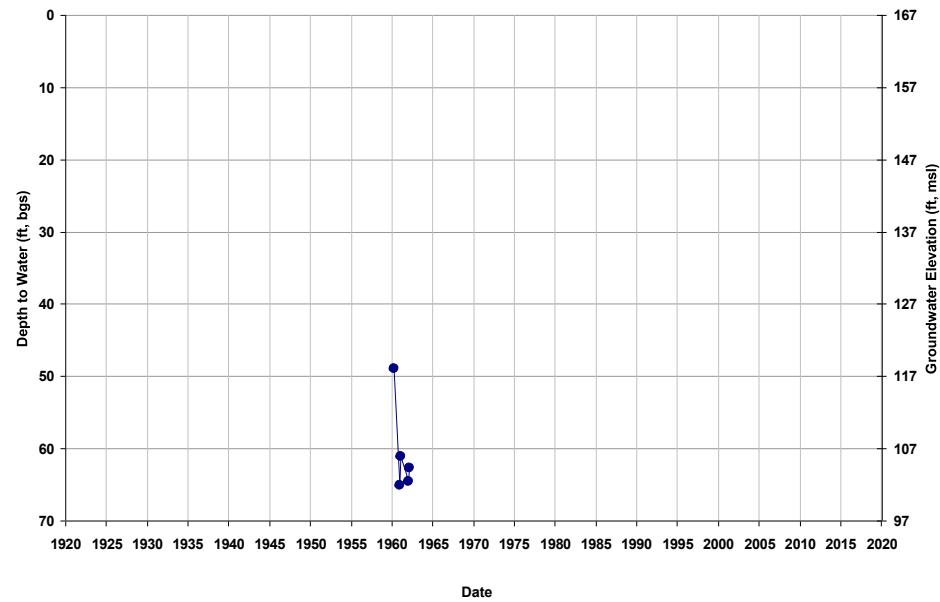
GSE (ft, msl): 168
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-72

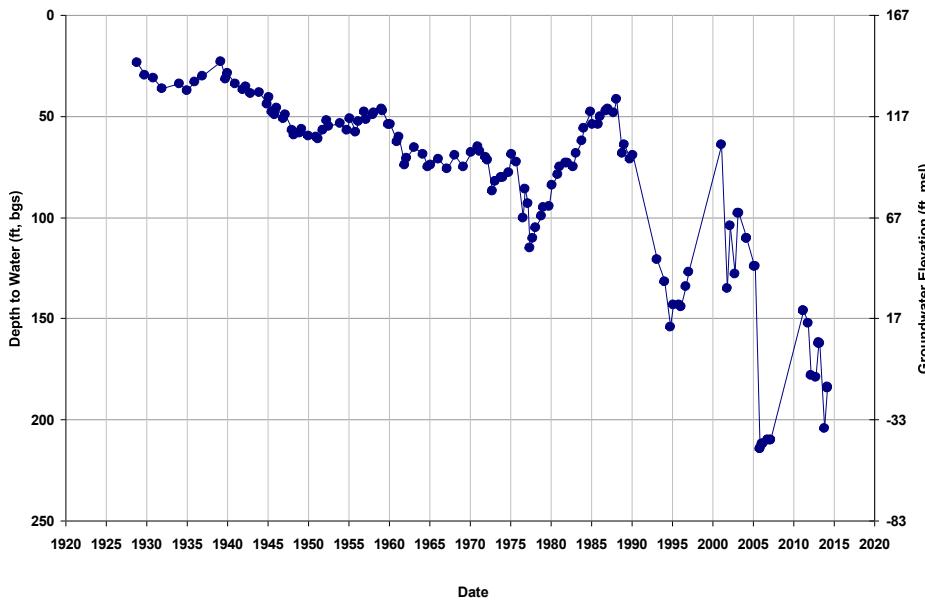
Well ID: 10S14E02Q001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 167
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



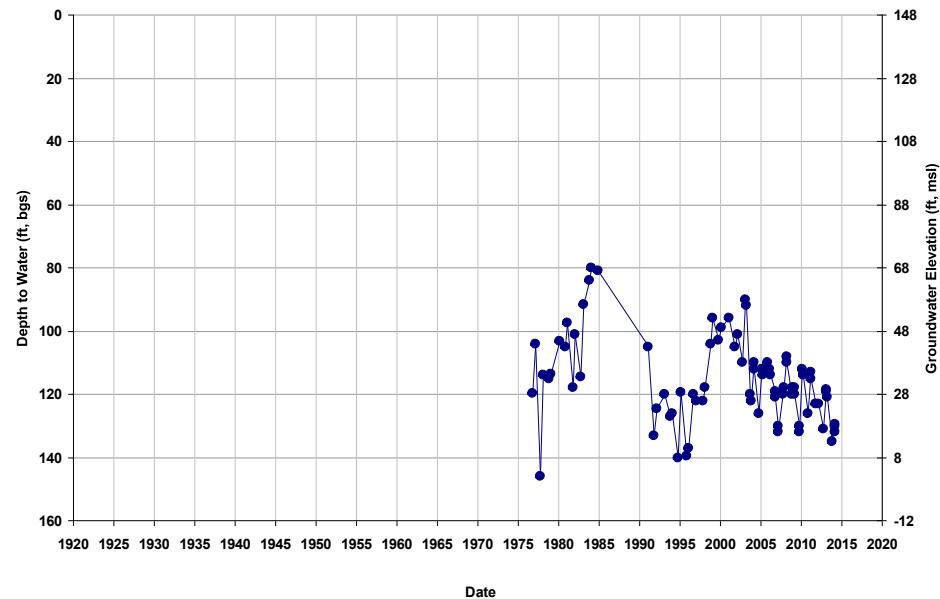
Well ID: 10S14E03A001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 167
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



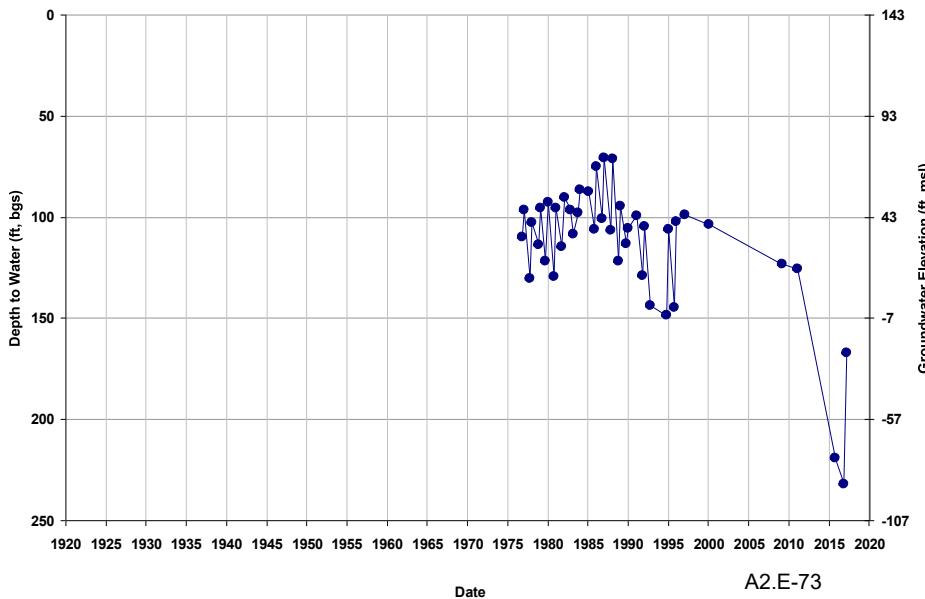
Well ID: 10S14E05C003M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 148
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 10S14E06R001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

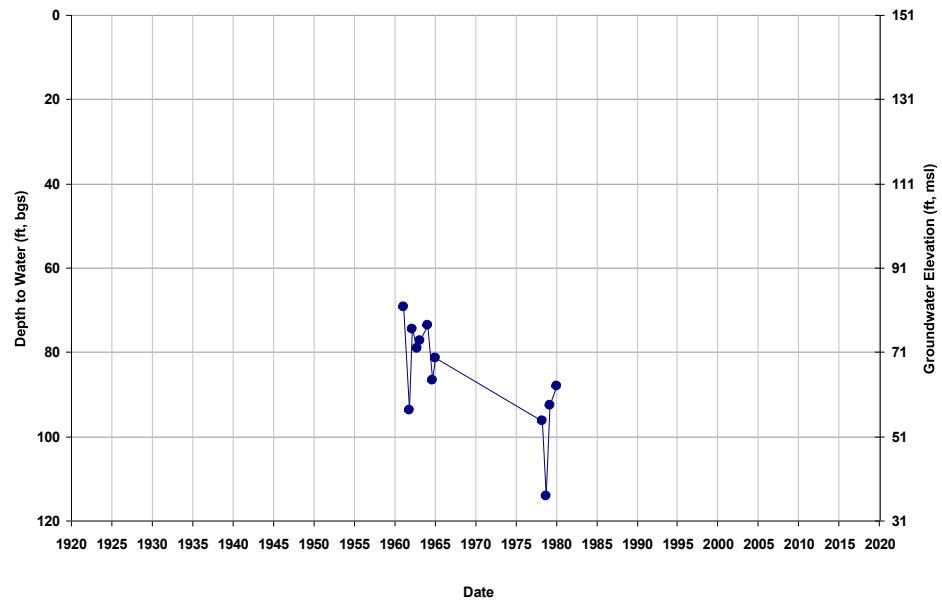
GSE (ft, msl): 143
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-73

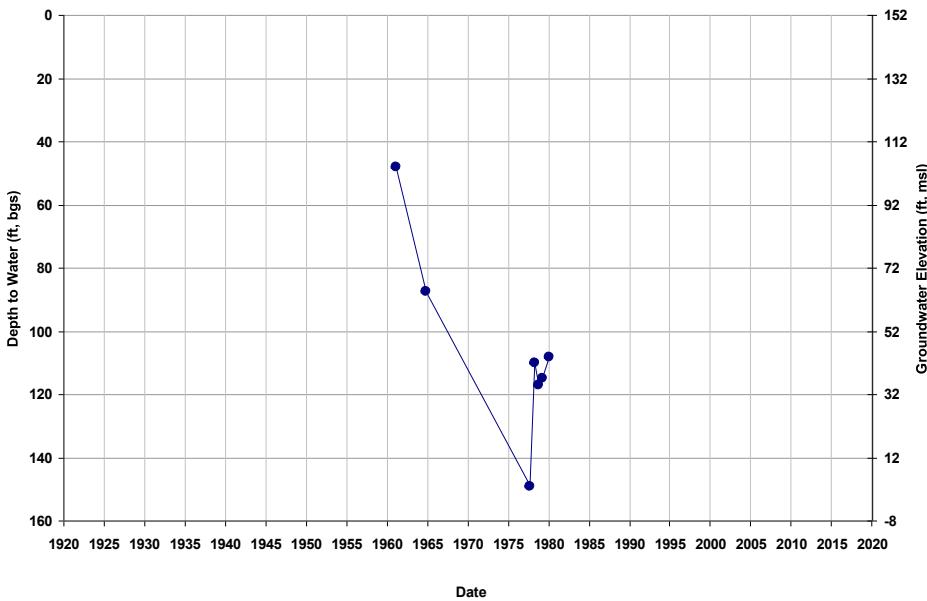
Well ID: 10S14E08B001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 151
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



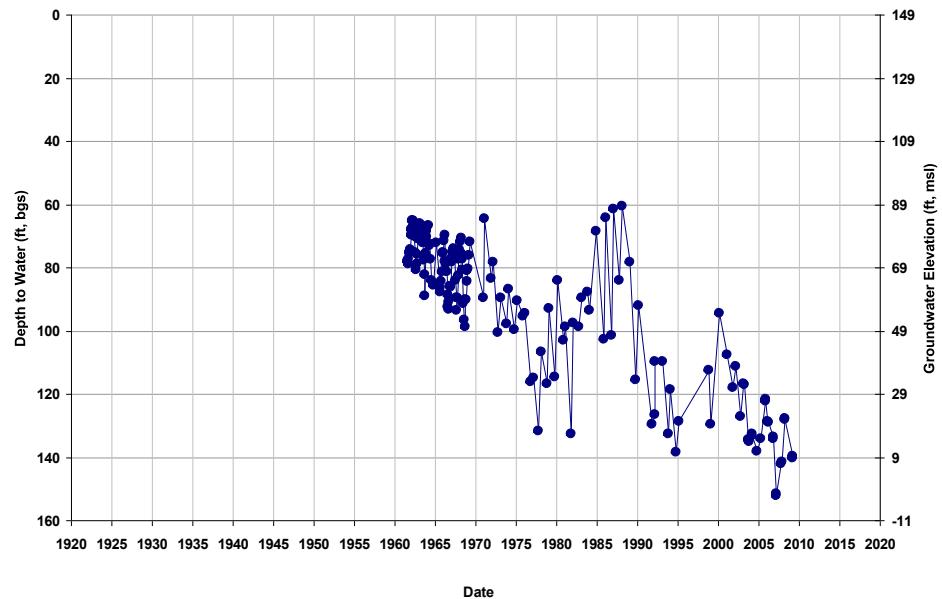
Well ID: 10S14E08B002M
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 152
Total Depth (ft): 137
Perf Top (ft): NA
Perf Bottom (ft): NA



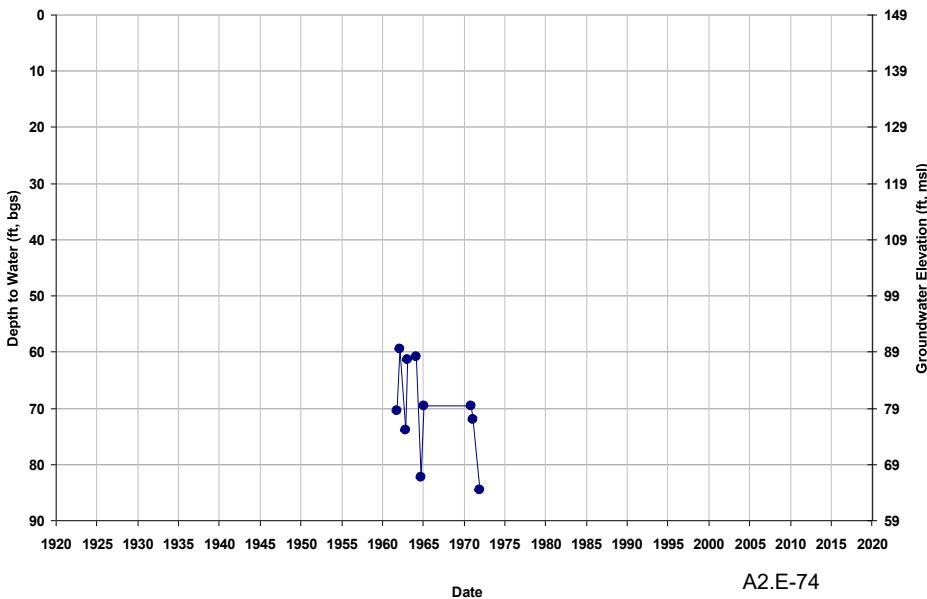
Well ID: 10S14E08B003M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 149
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 10S14E08B004M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

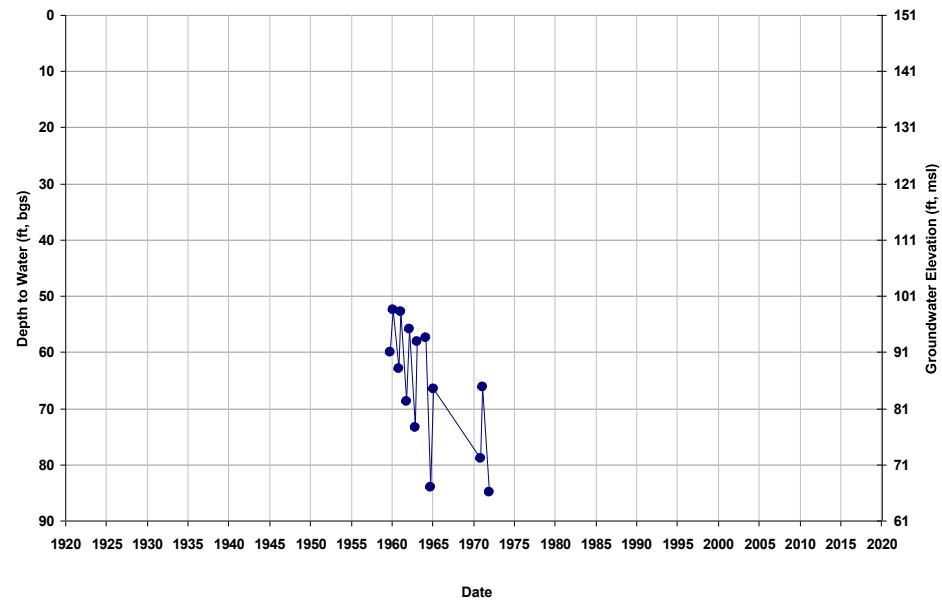
GSE (ft, msl): 149
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-74

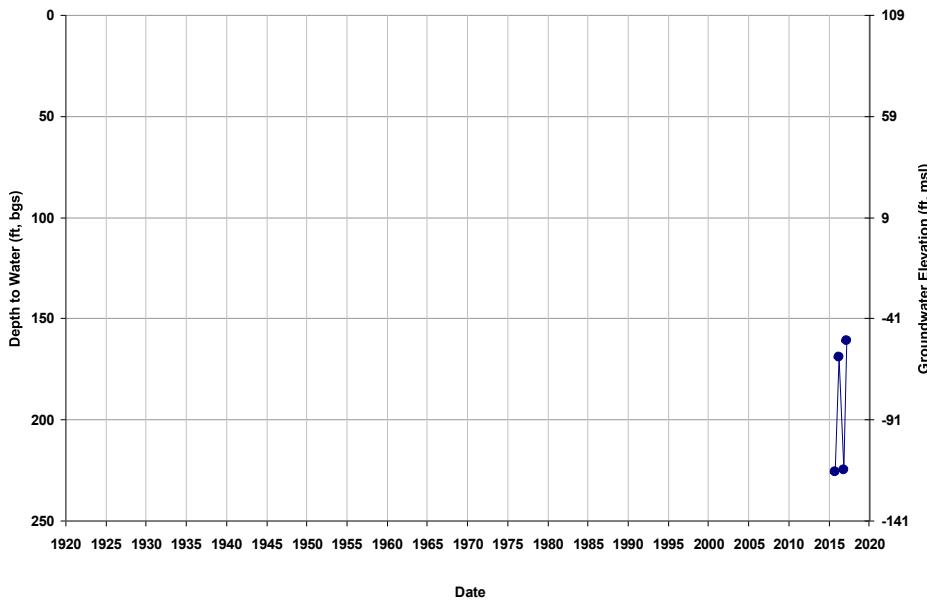
Well ID: 10S14E08B005M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 151
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



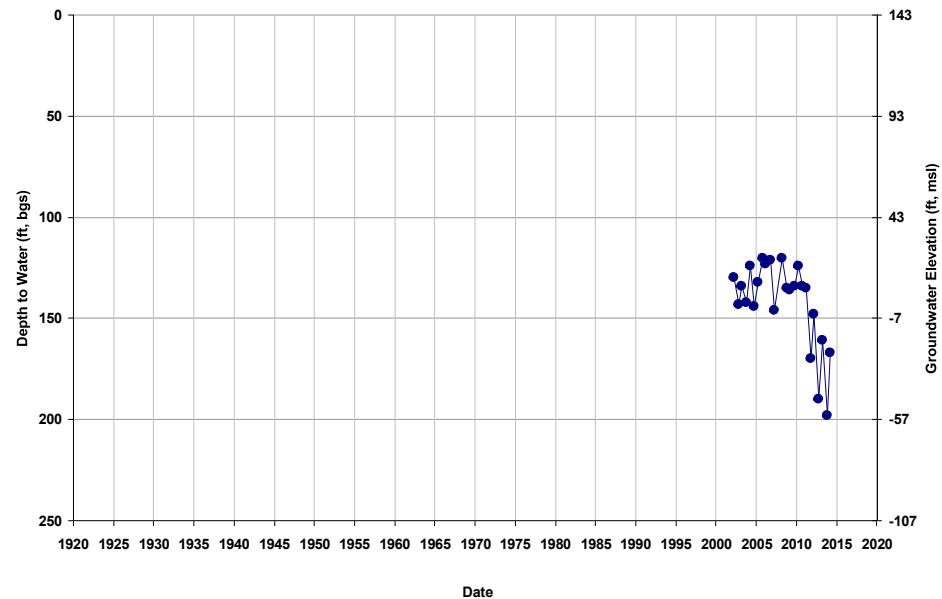
Well ID: 10S14E08D
Depth Zone: Composite; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 109
Total Depth (ft): 410
Perf Top (ft): 230
Perf Bottom (ft): 360



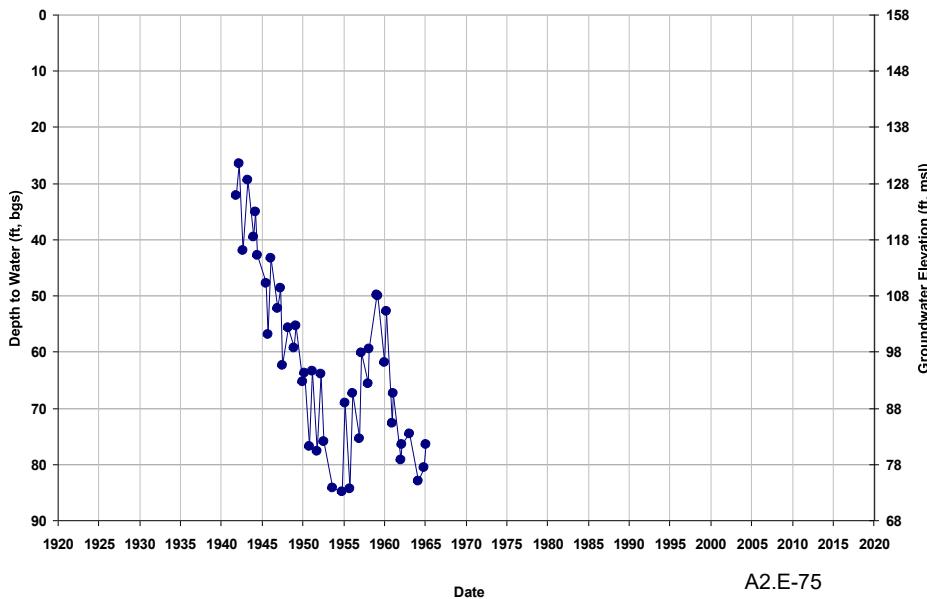
Well ID: 10S14E08N001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 142
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 10S14E09A002M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

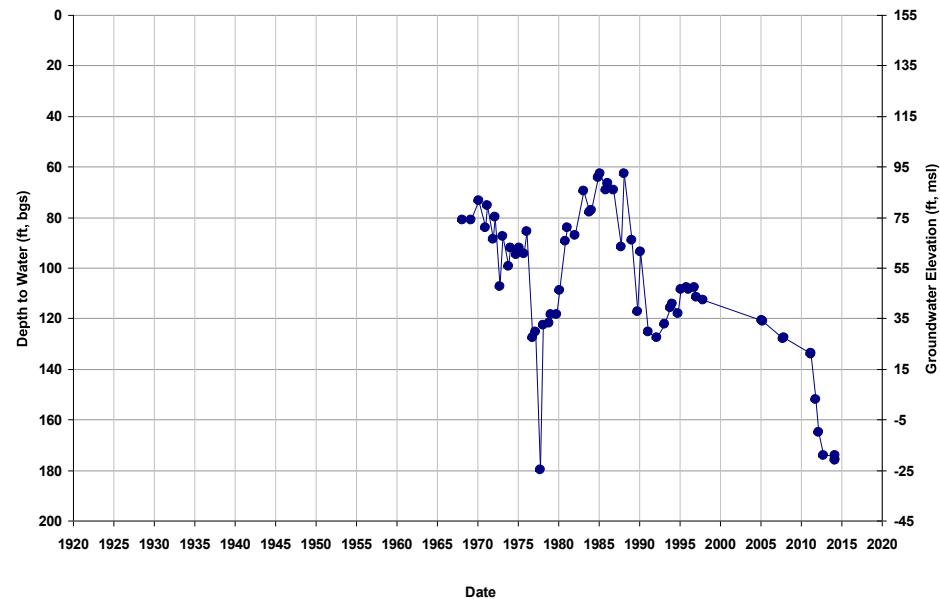
GSE (ft, msl): 157
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-75

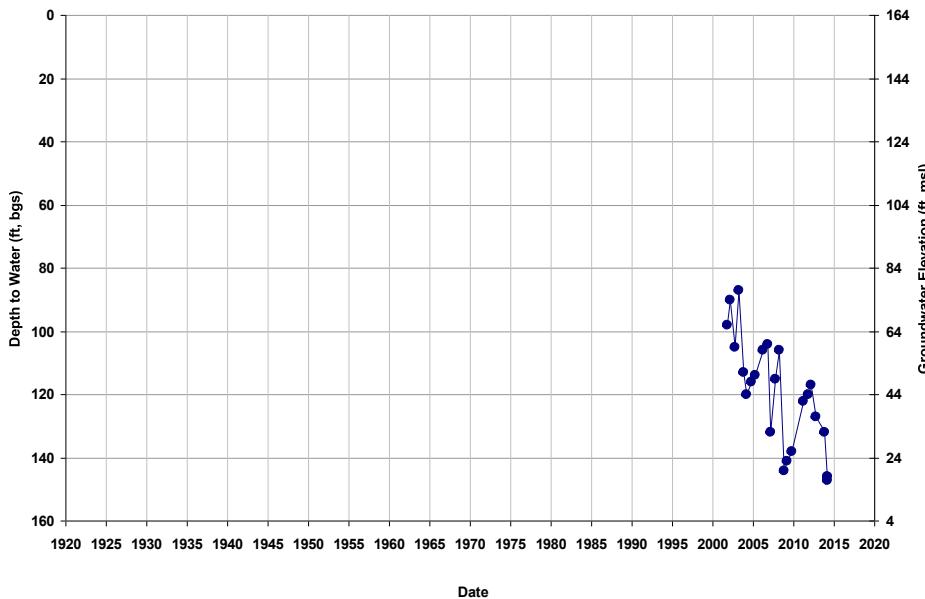
Well ID: 10S14E09A003M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 155
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



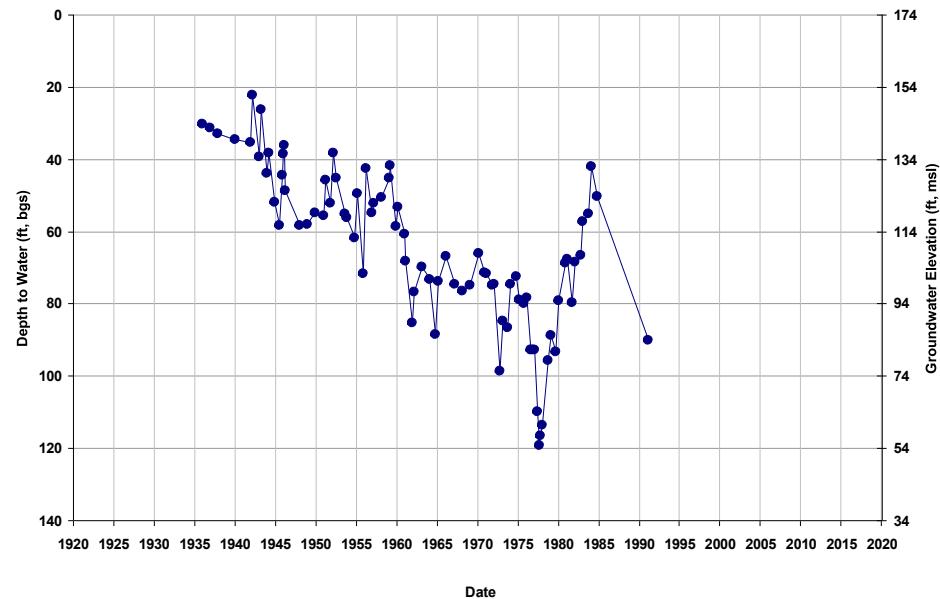
Well ID: 10S14E10H001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 164
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



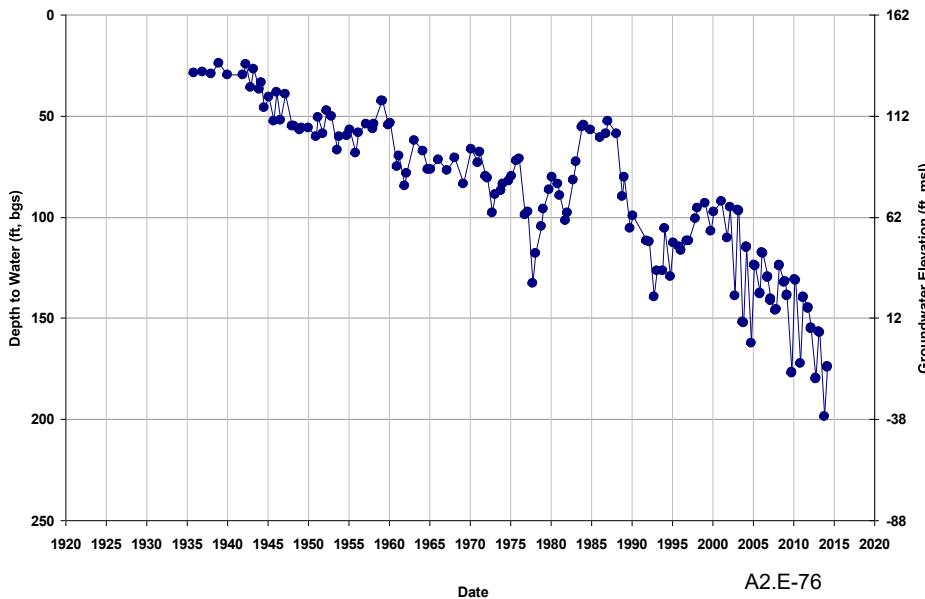
Well ID: 10S14E11R001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 173
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 10S14E15H001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

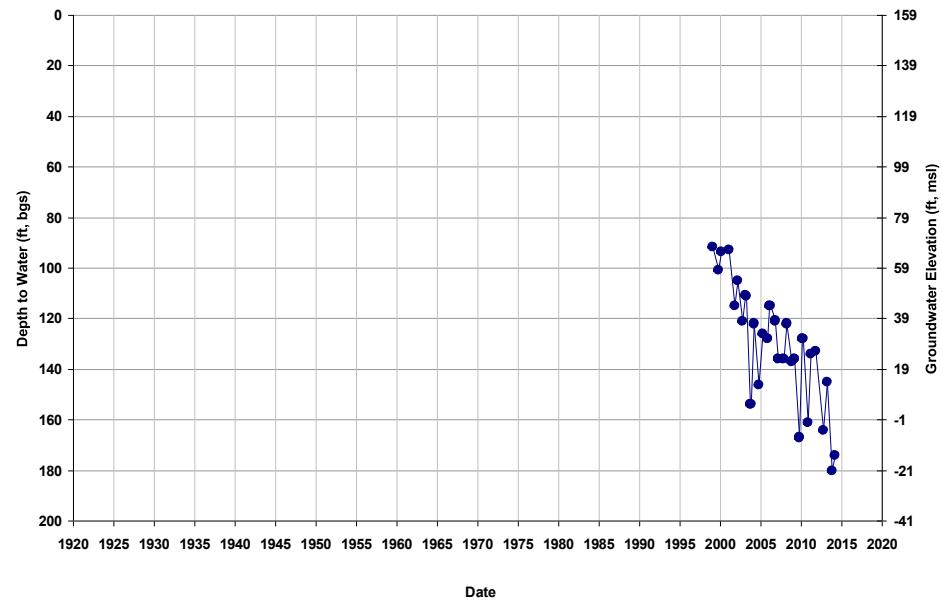
GSE (ft, msl): 162
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-76

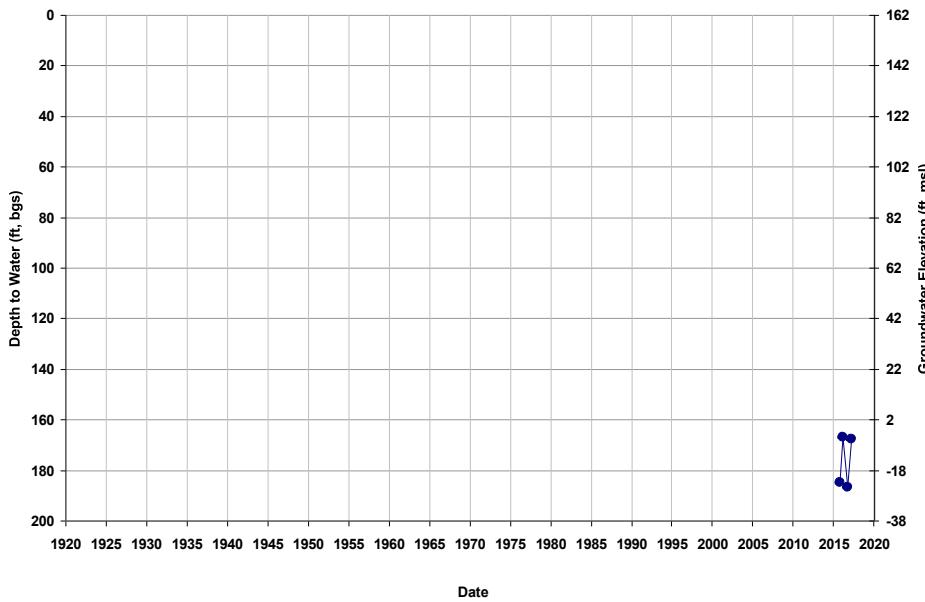
Well ID: 10S14E15J001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 159
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



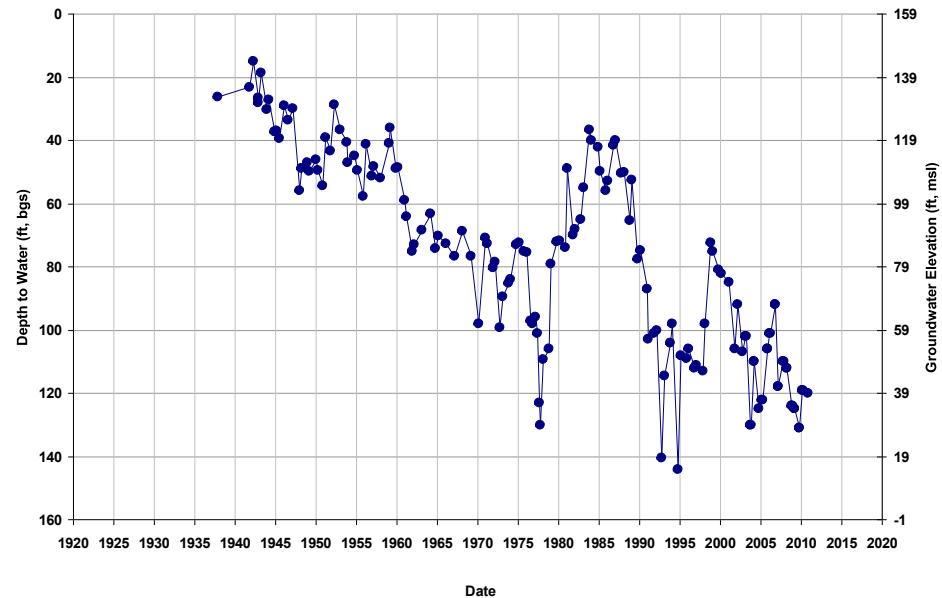
Well ID: 10S14E15J1
Depth Zone: Composite; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 162
Total Depth (ft): 330
Perf Top (ft): 135
Perf Bottom (ft): 288



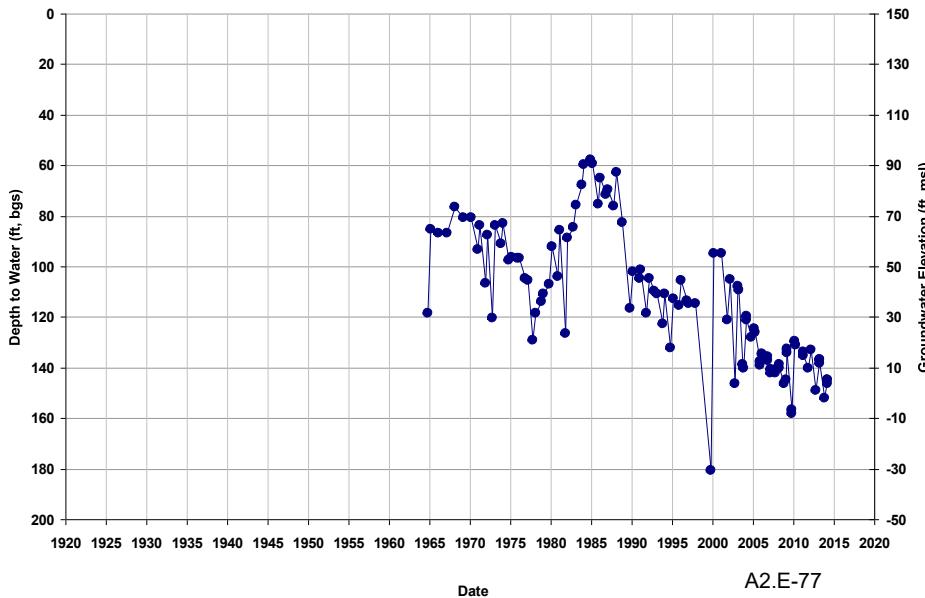
Well ID: 10S14E15R001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 159
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 10S14E16F002M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

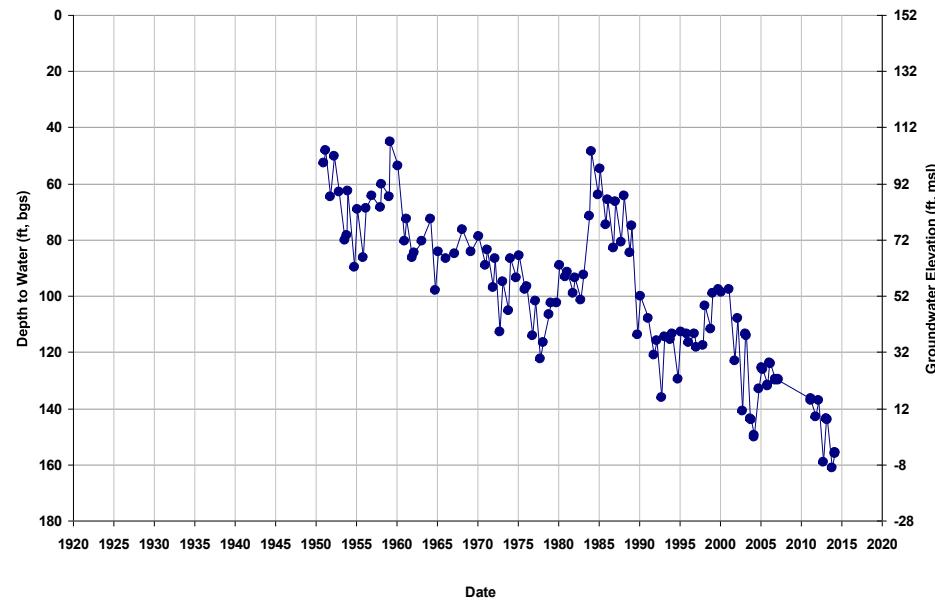
GSE (ft, msl): 150
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-77

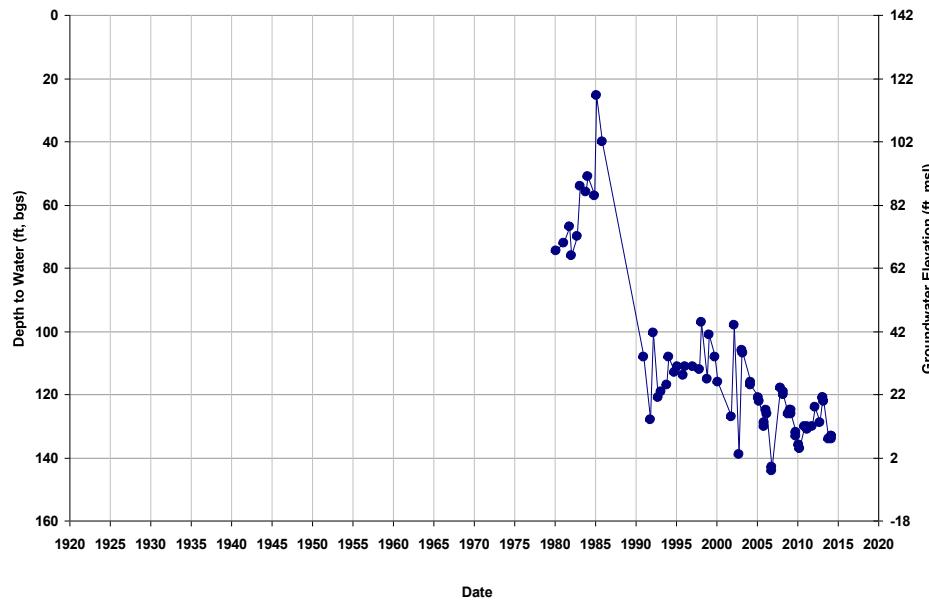
Well ID: 10S14E16H001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 152
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



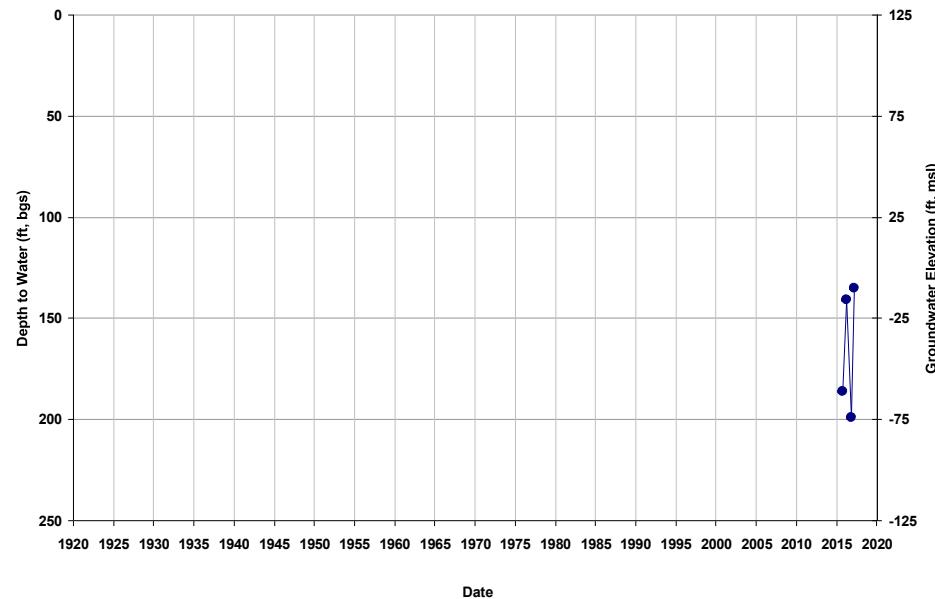
Well ID: 10S14E17J001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 142
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



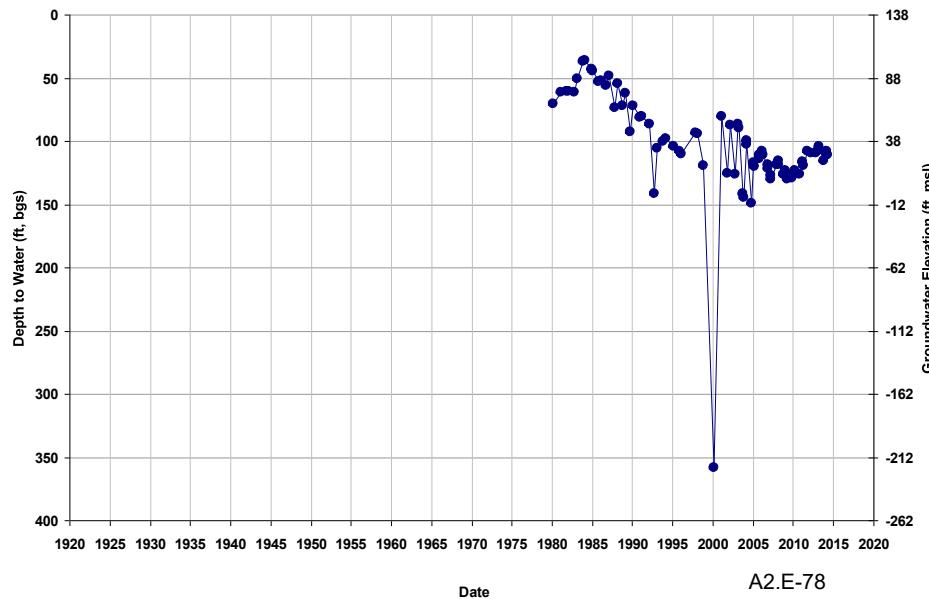
Well ID: 10S14E18D
Depth Zone: Lower; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 125
Total Depth (ft): 516
Perf Top (ft): 265
Perf Bottom (ft): 506



Well ID: 10S14E18K001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

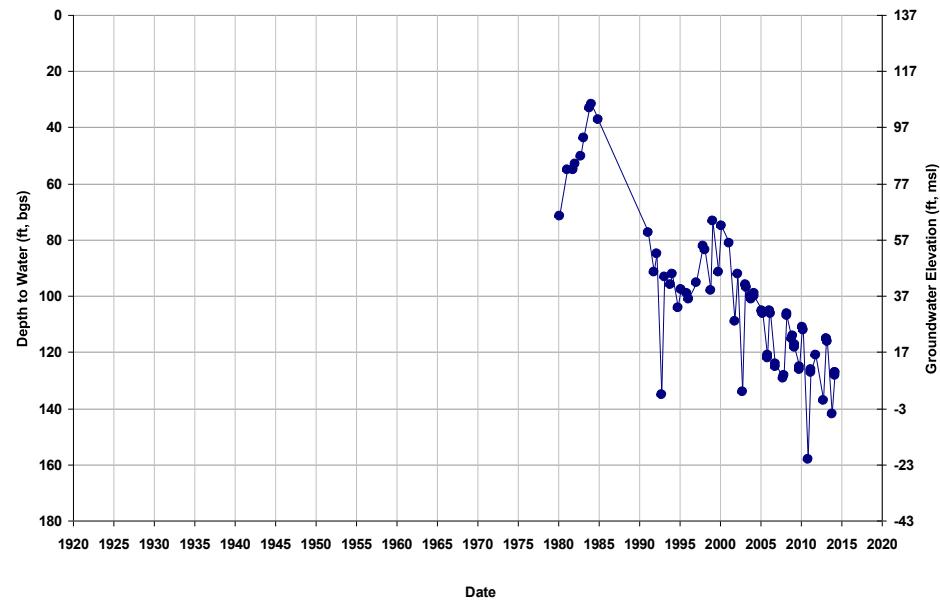
GSE (ft, msl): 138
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-78

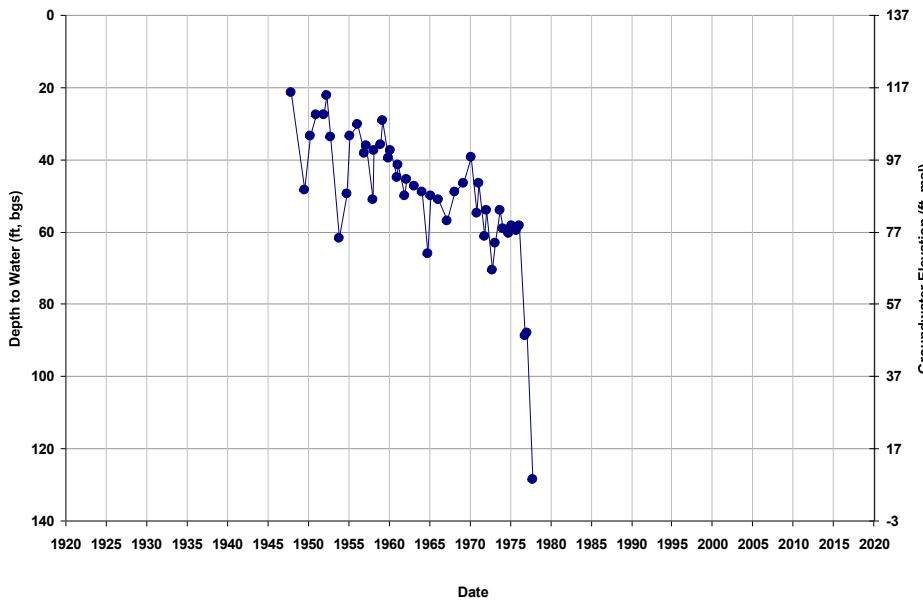
Well ID: 10S14E19A002M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 137
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



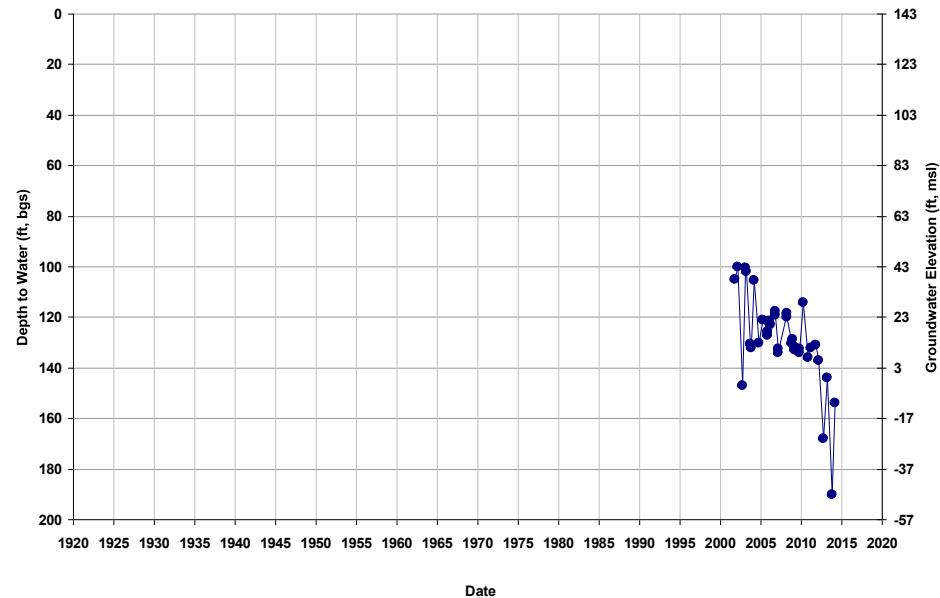
Well ID: 10S14E19R003M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 136
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



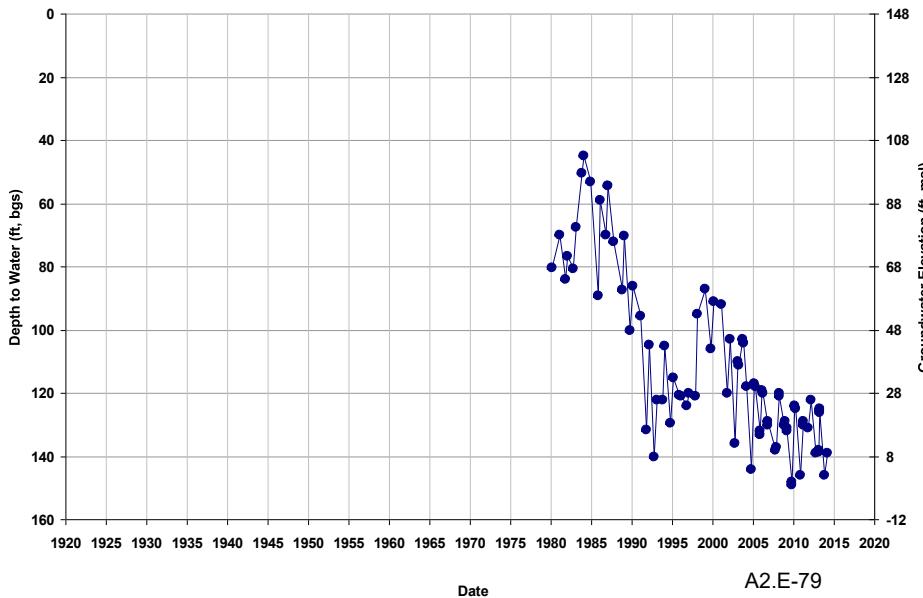
Well ID: 10S14E20H002M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 143
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 10S14E21C003M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

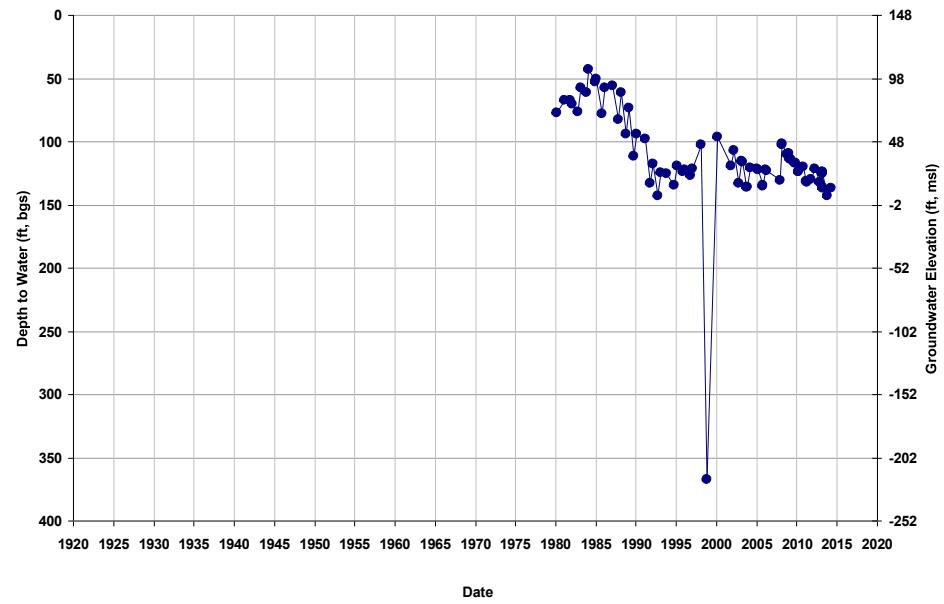
GSE (ft, msl): 147
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-79

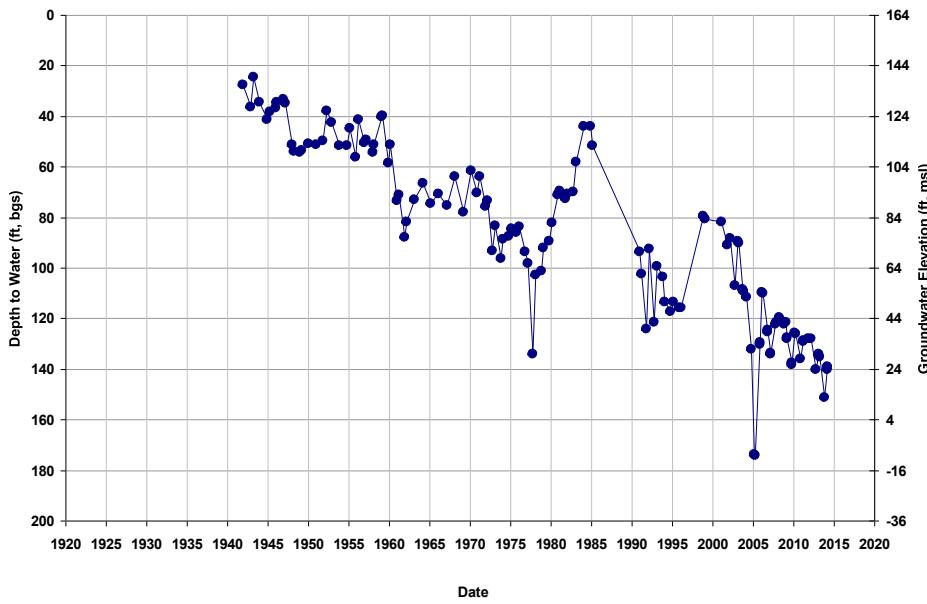
Well ID: 10S14E21G001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 148
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



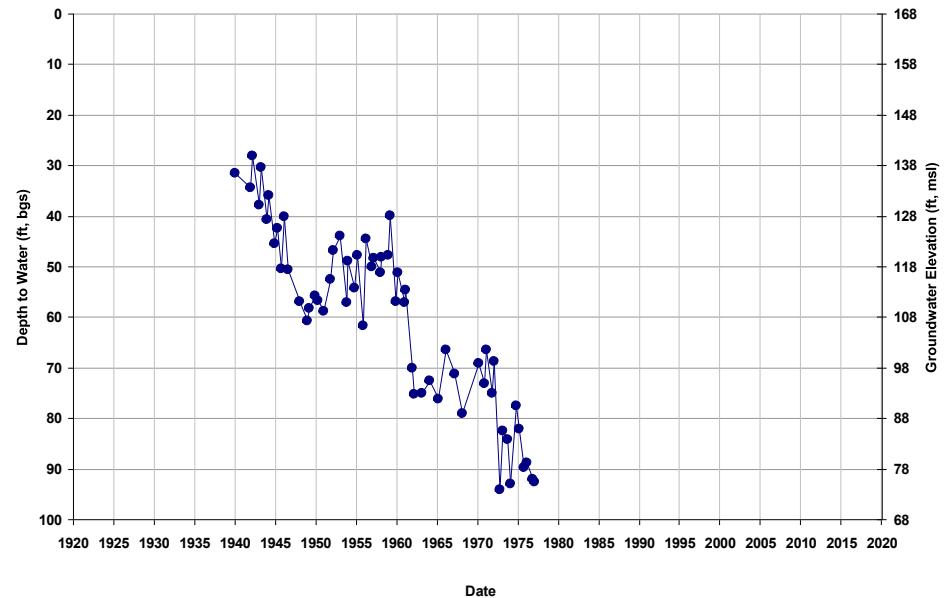
Well ID: 10S14E23A001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 164
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



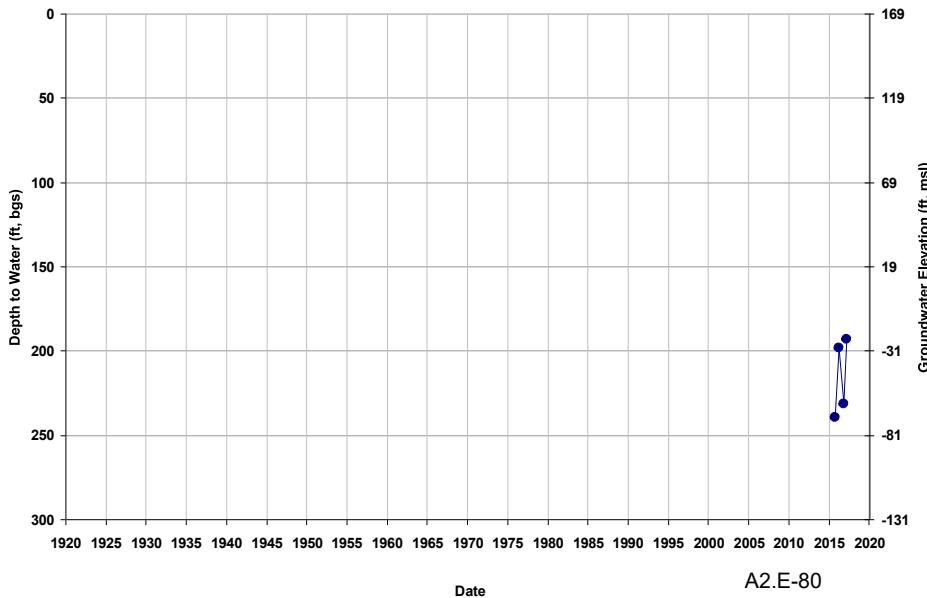
Well ID: 10S14E24C001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 168
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 10S14E24M
Depth Zone: Lower; Within CC
Subbasin: Chowchilla

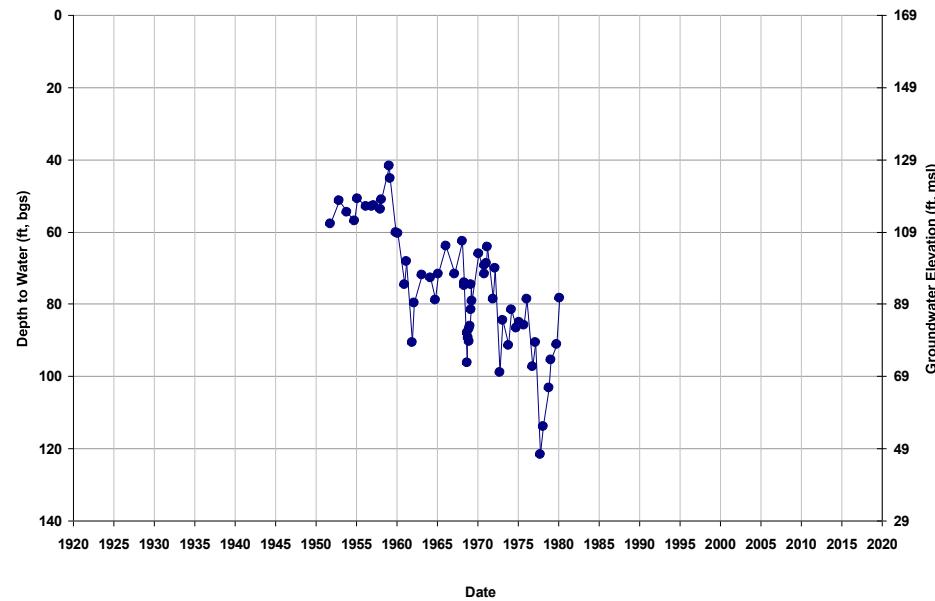
GSE (ft, msl): 169
Total Depth (ft): 696
Perf Top (ft): 255
Perf Bottom (ft): 636



A2.E-80

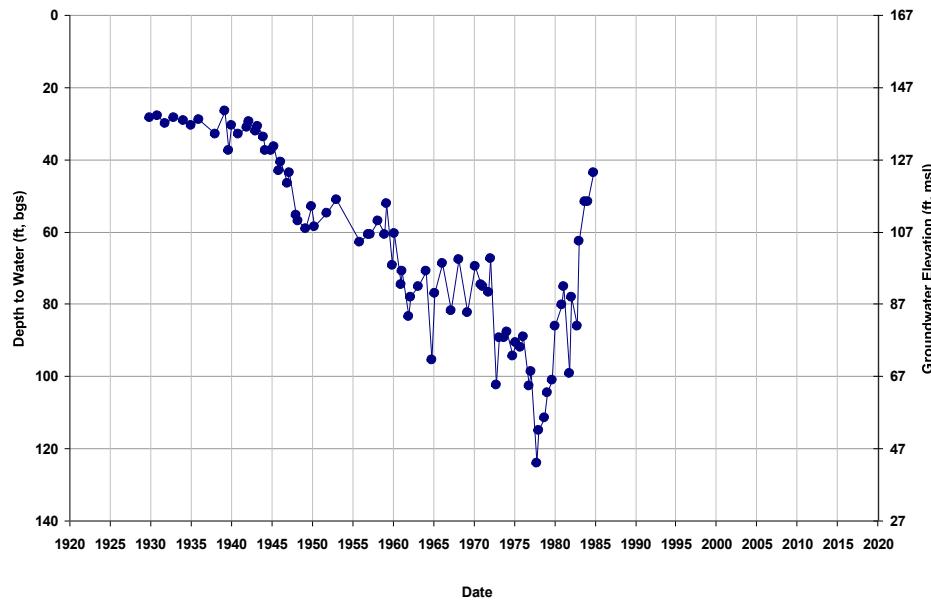
Well ID: 10S14E24R001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 169
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



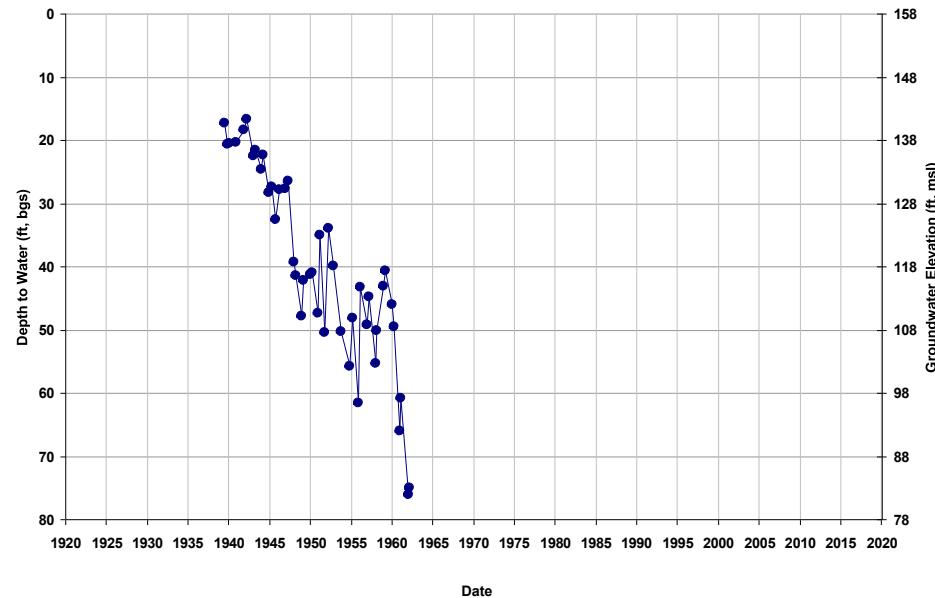
Well ID: 10S14E25K001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 167
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



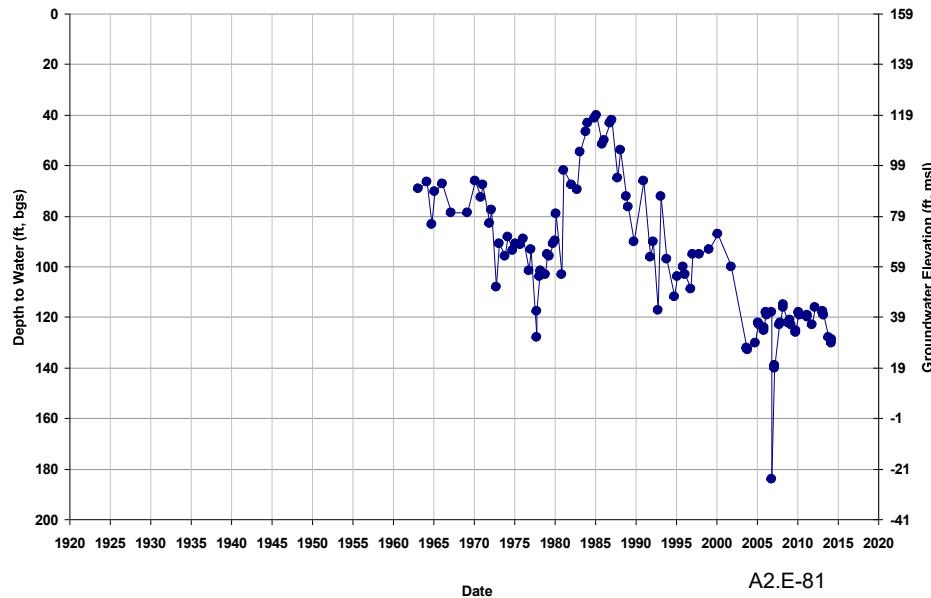
Well ID: 10S14E26C001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 158
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 10S14E26C002M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

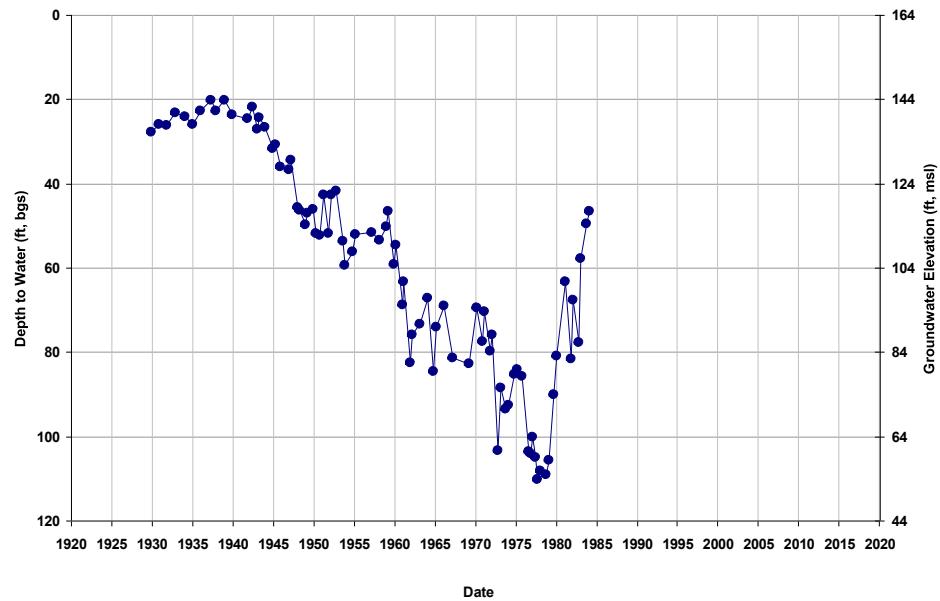
GSE (ft, msl): 158
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-81

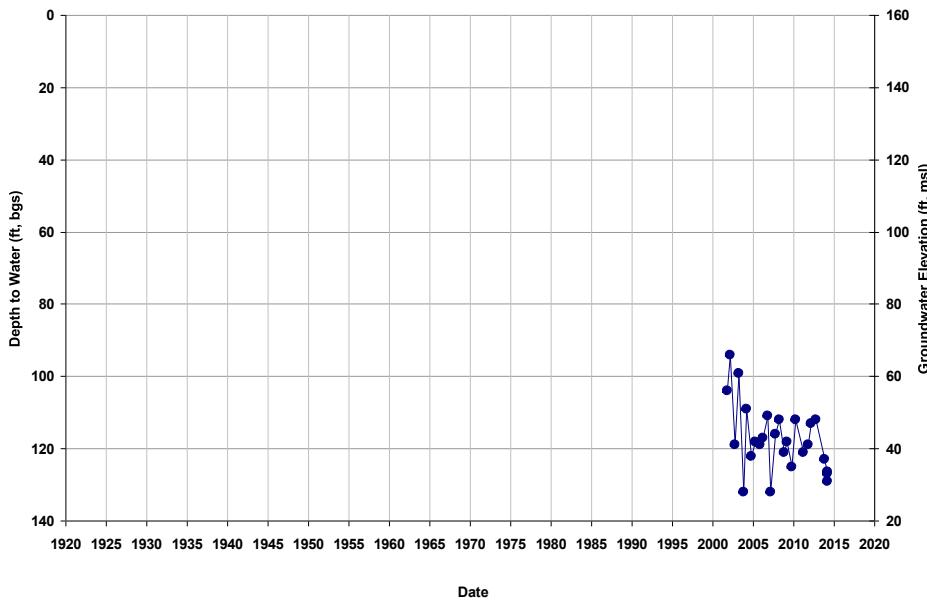
Well ID: 10S14E26H001M
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 163
Total Depth (ft): 145
Perf Top (ft): NA
Perf Bottom (ft): NA



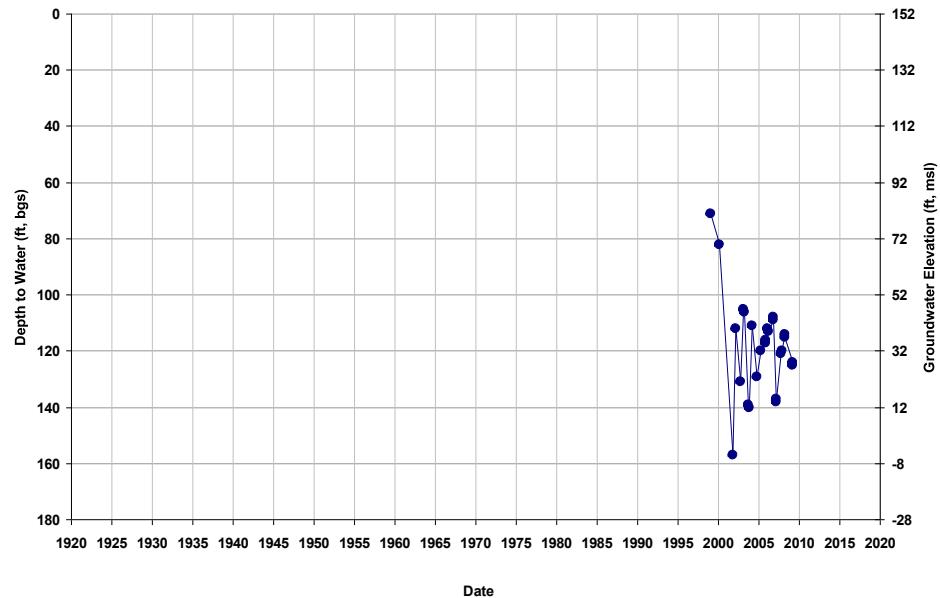
Well ID: 10S14E26R001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 160
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



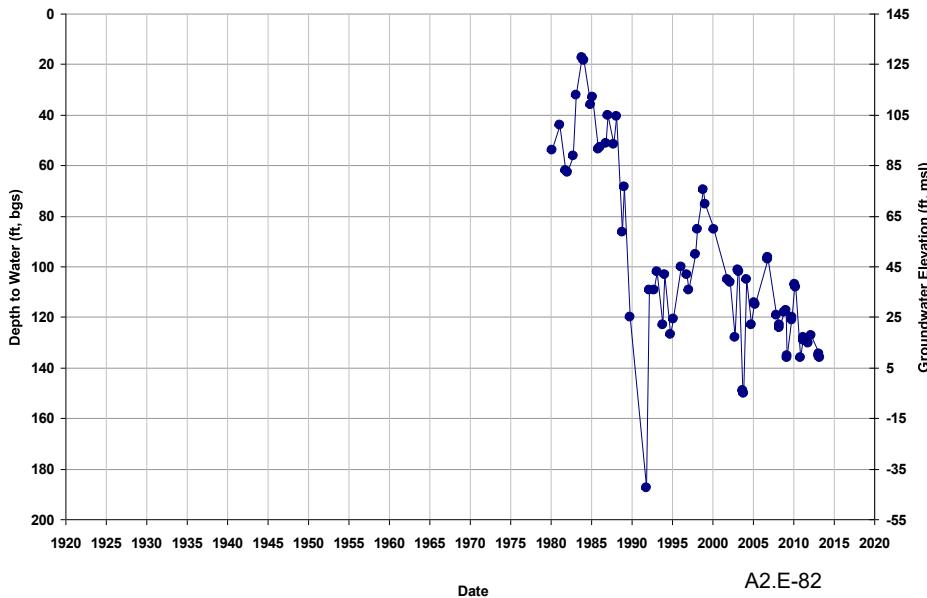
Well ID: 10S14E27H001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 152
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 10S14E28B001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

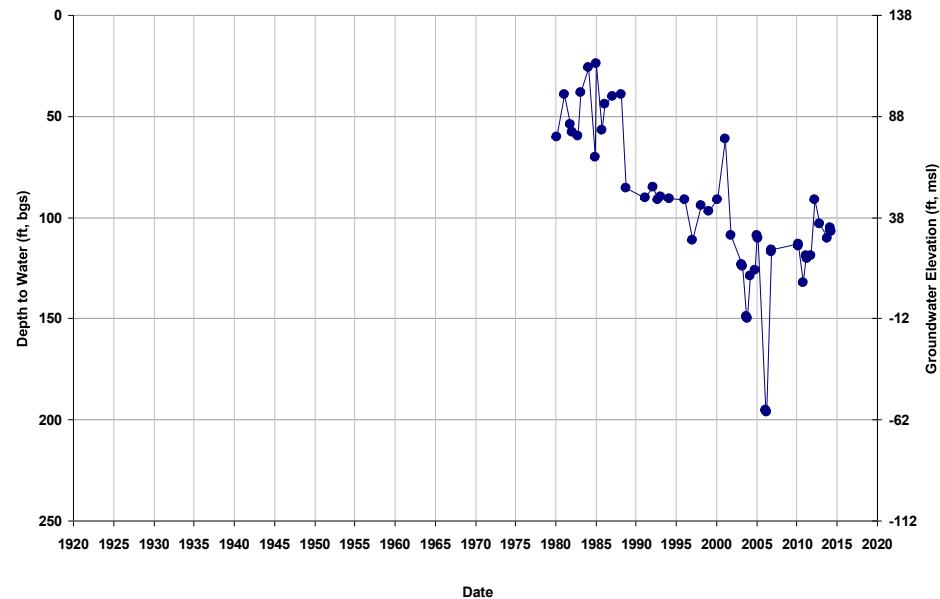
GSE (ft, msl): 145
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-82

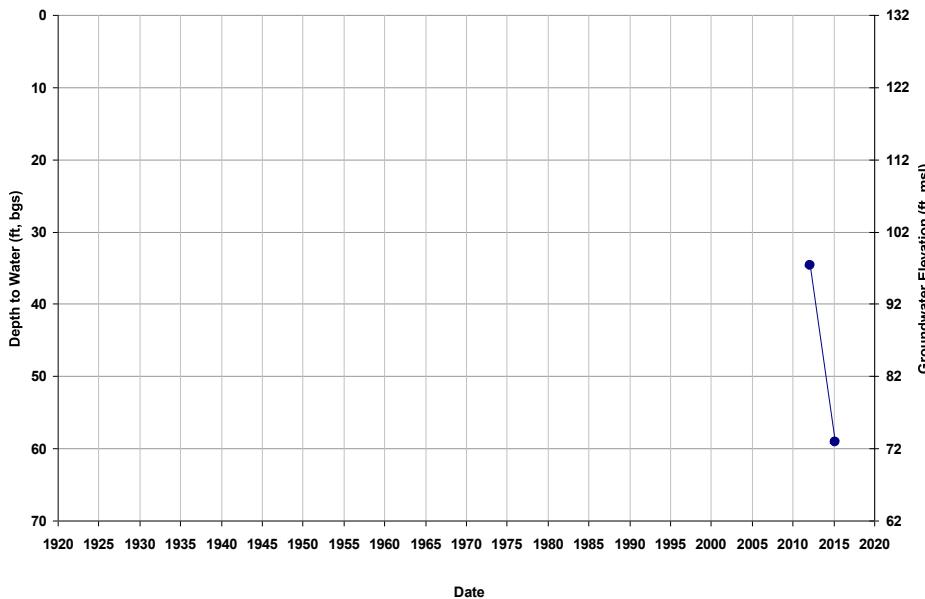
Well ID: 10S14E29C002M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 138
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



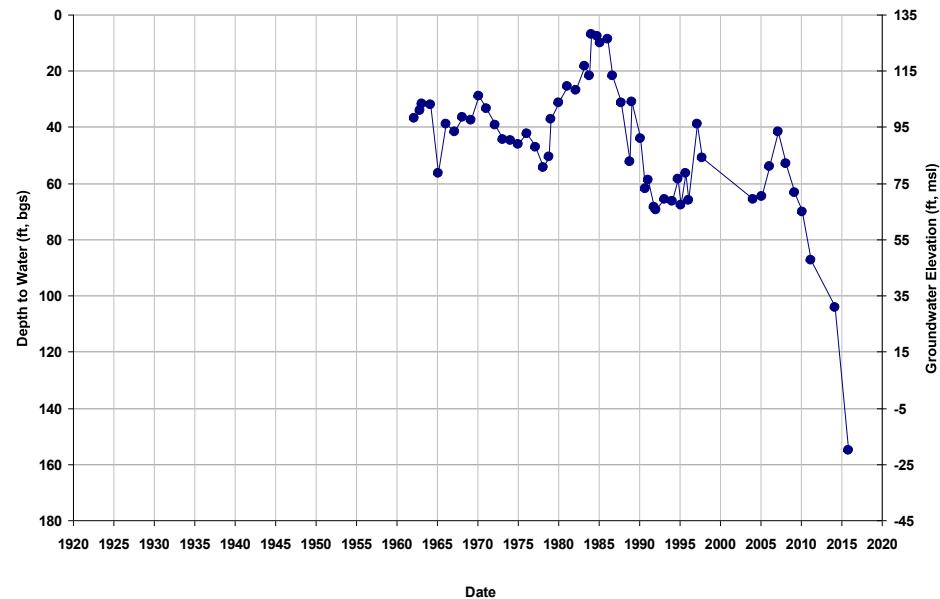
Well ID: 10S14E31H001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 132
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



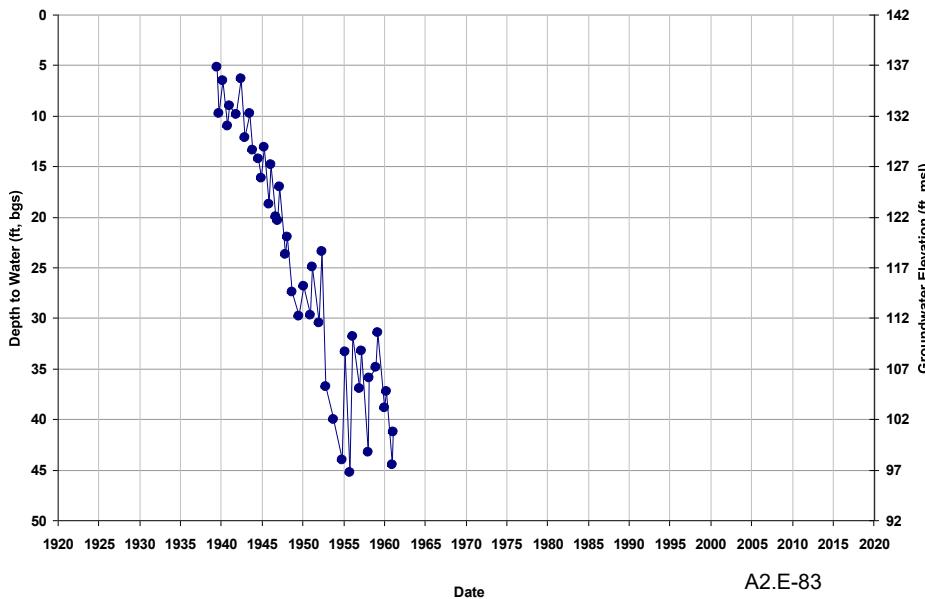
Well ID: 10S14E32Q001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 134
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 10S14E33J001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

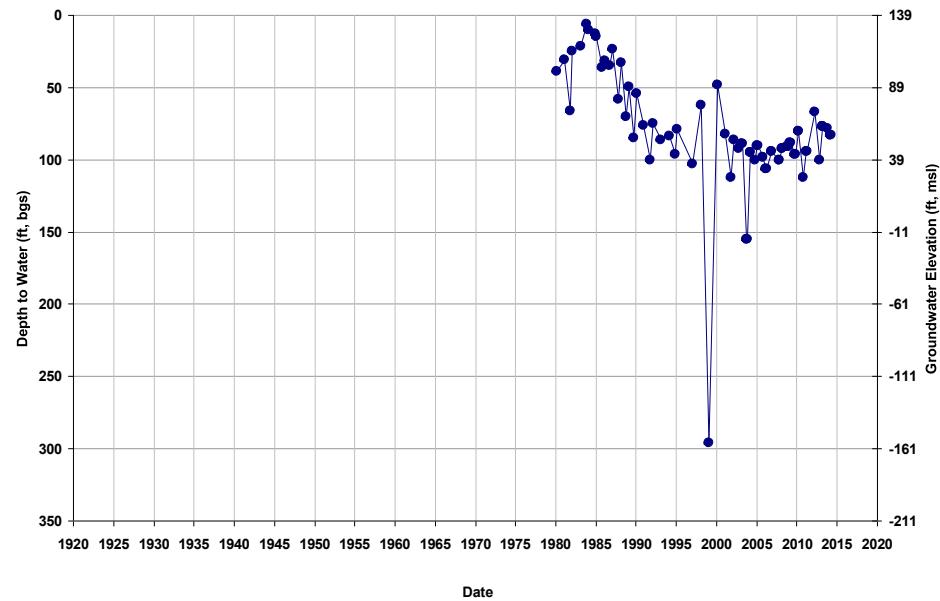
GSE (ft, msl): 142
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-83

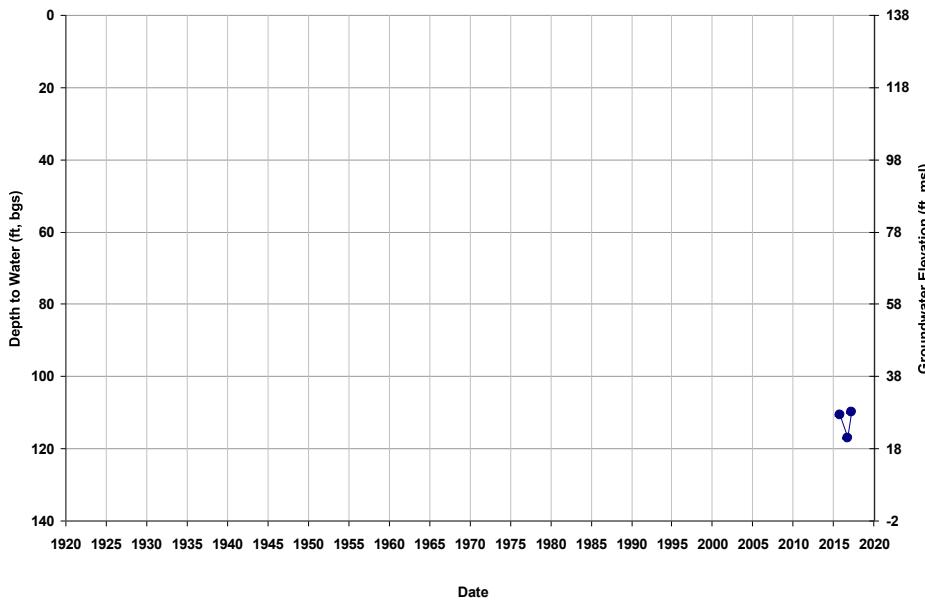
Well ID: 10S14E33L002M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 139
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



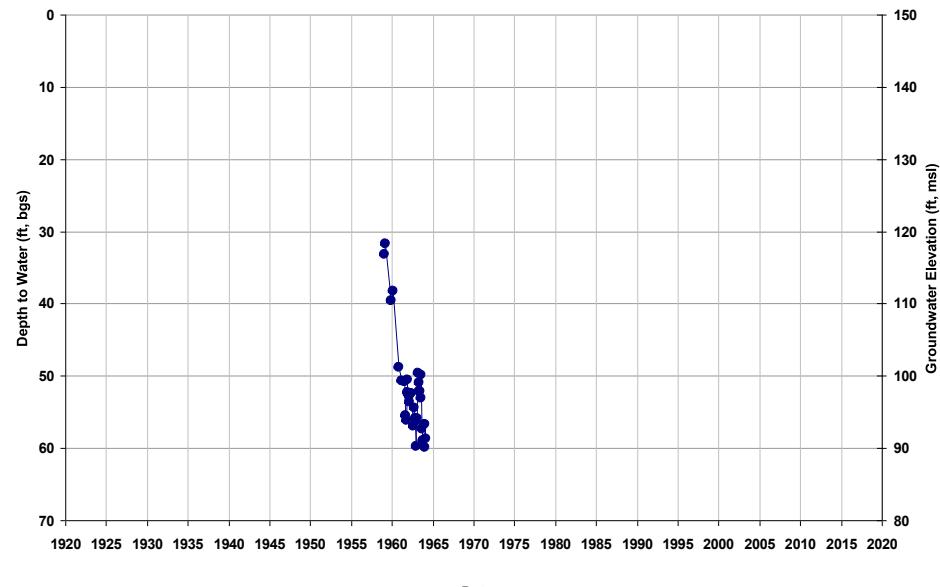
Well ID: 10S14E33M001M
Depth Zone: Lower; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 138
Total Depth (ft): 800
Perf Top (ft): 290
Perf Bottom (ft): 400



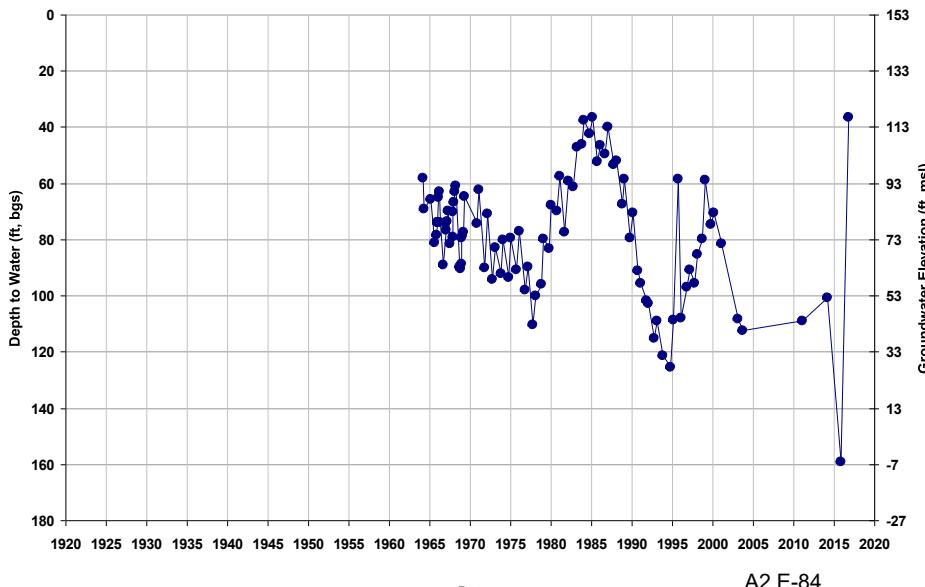
Well ID: 10S14E34H001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 150
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 10S14E35F001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

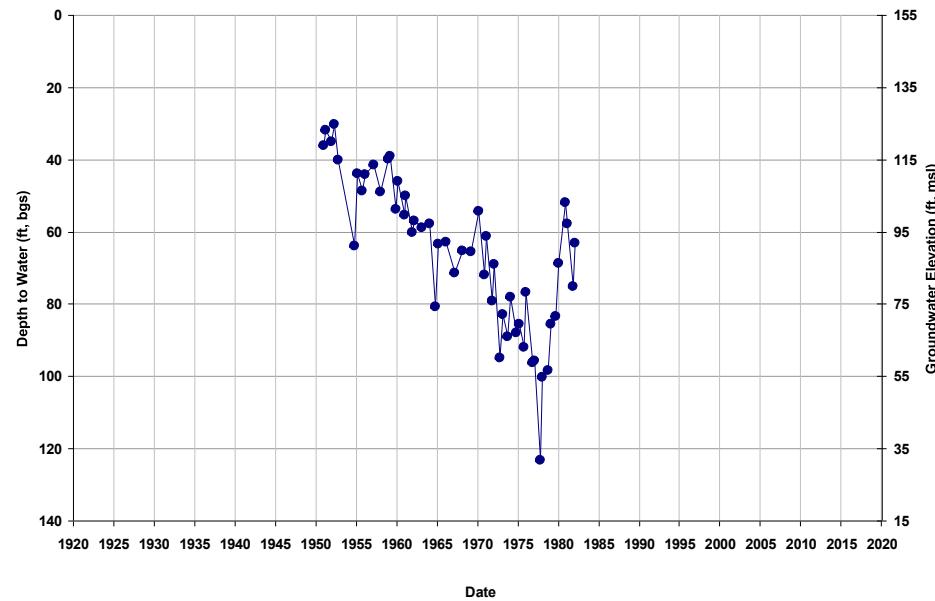
GSE (ft, msl): 153
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-84

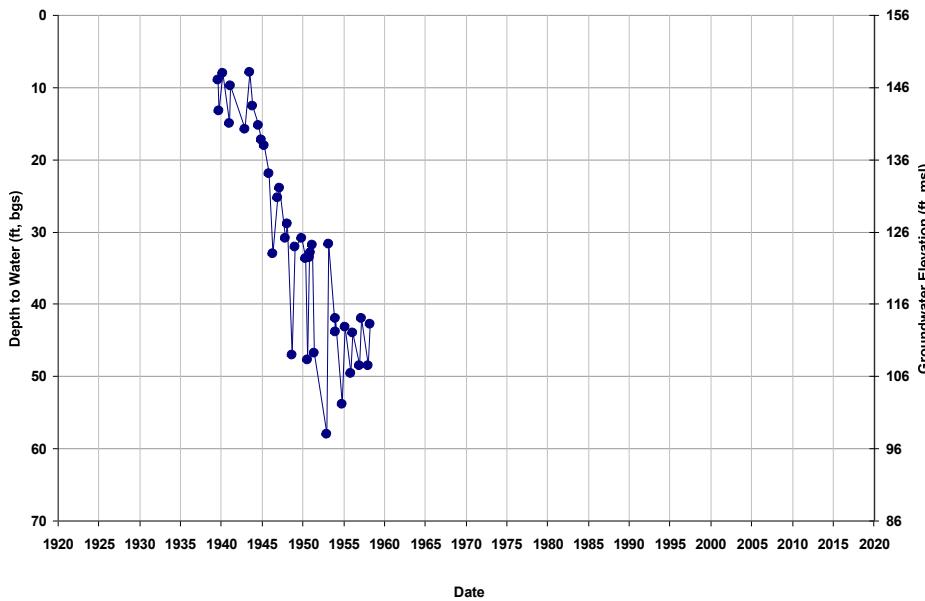
Well ID: 10S14E35K001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 155
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



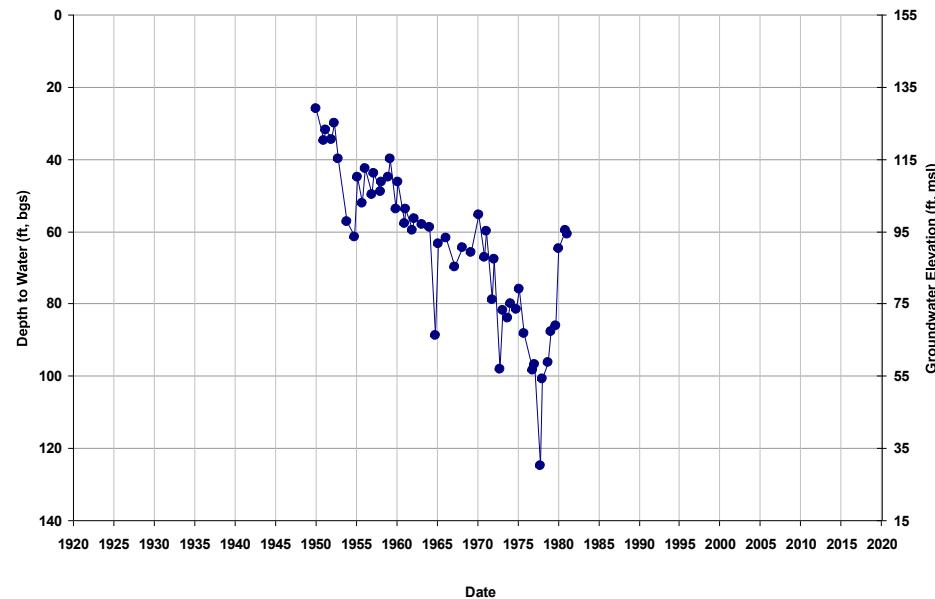
Well ID: 10S14E35K002M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 155
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



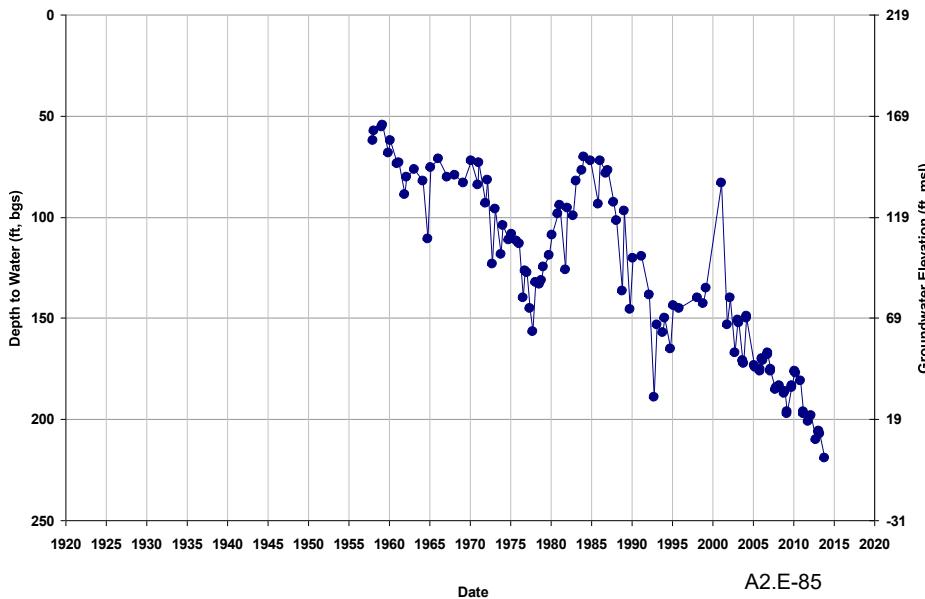
Well ID: 10S14E35L001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 155
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 10S15E01E001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

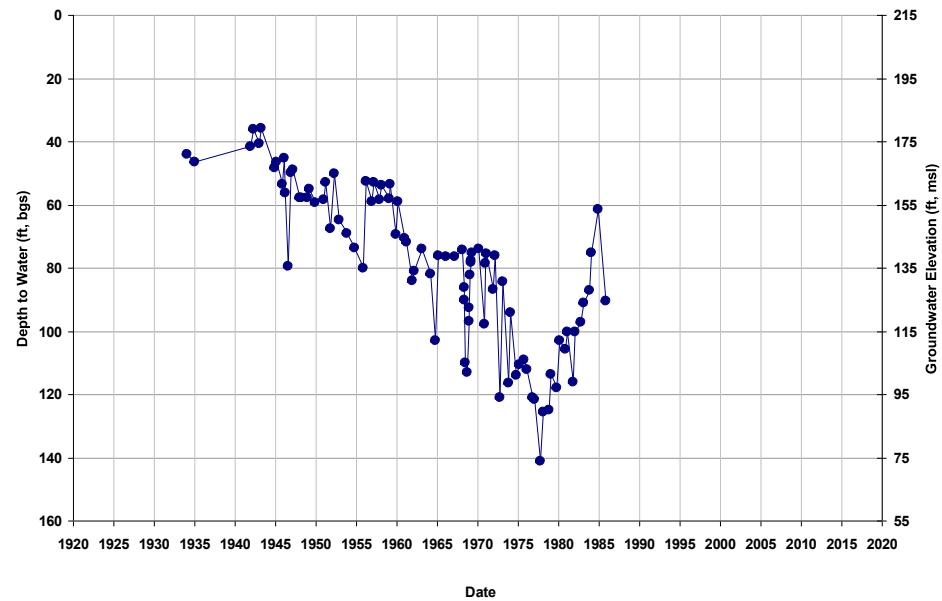
GSE (ft, msl): 218
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-85

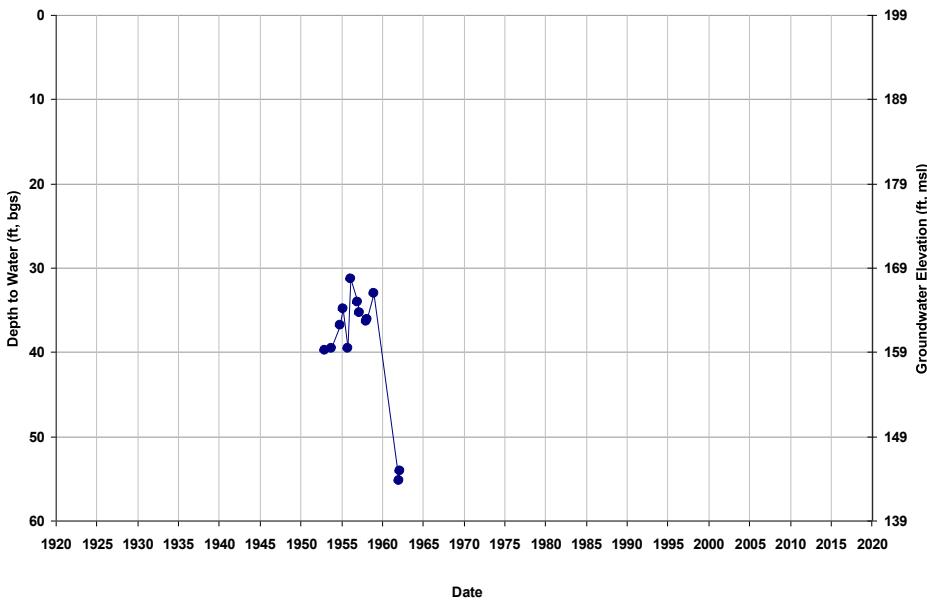
Well ID: 10S15E02Q001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 214
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



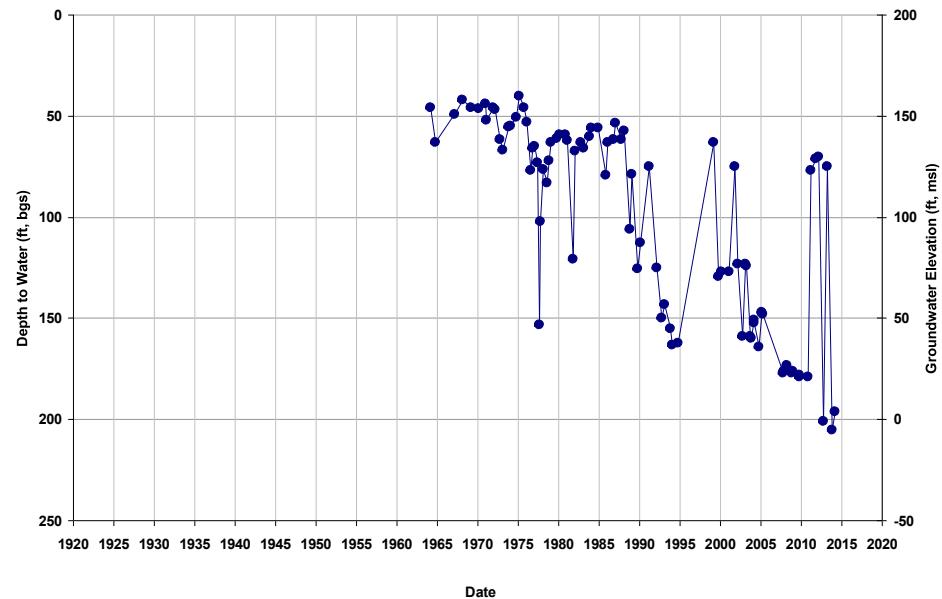
Well ID: 10S15E03E001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 199
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



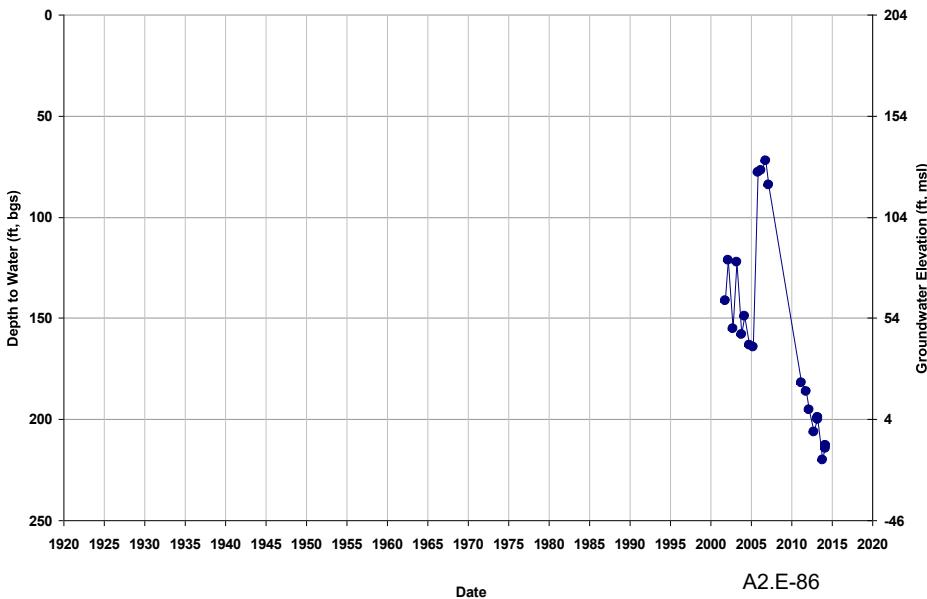
Well ID: 10S15E03E002M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 200
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 10S15E03L001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

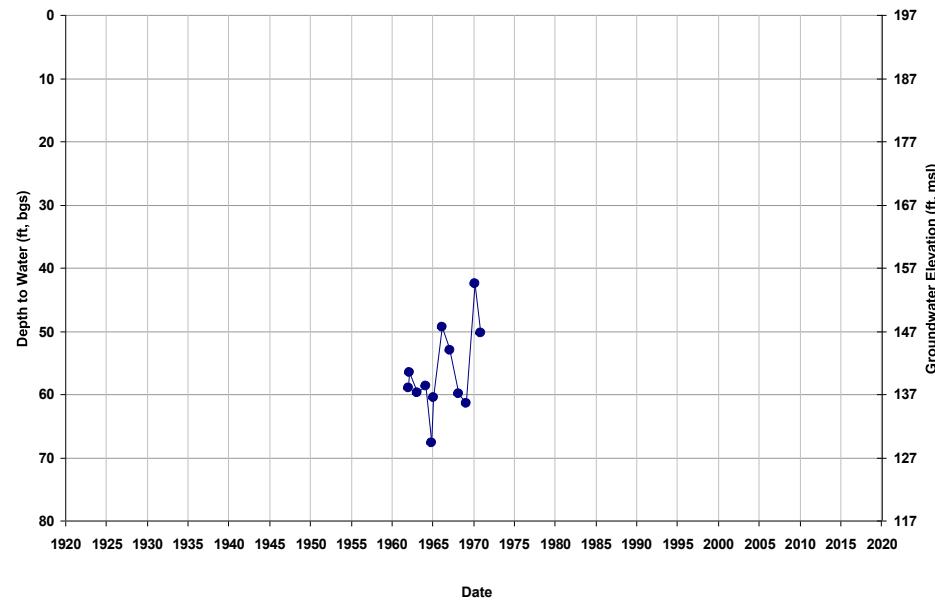
GSE (ft, msl): 204
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-86

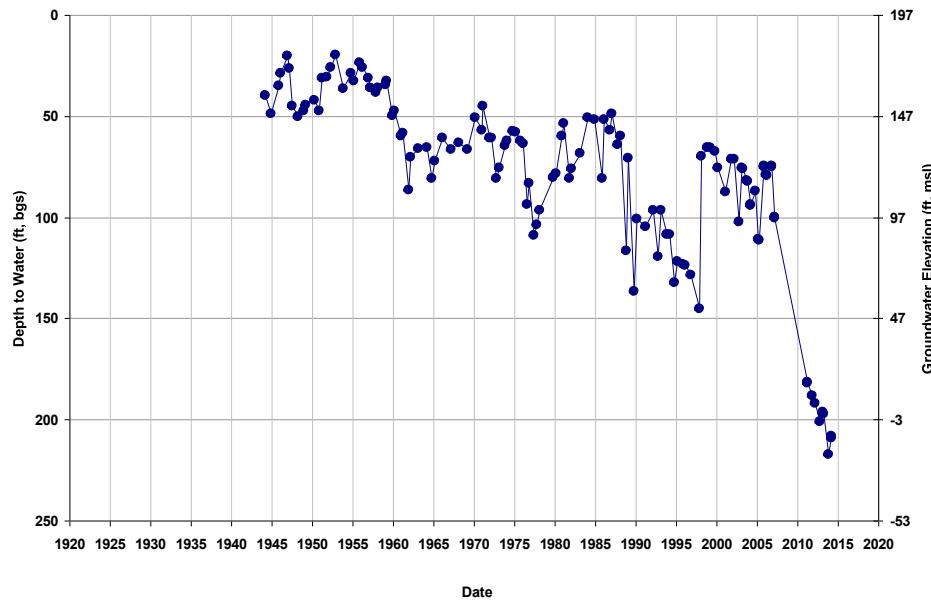
Well ID: 10S15E04K001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 197
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



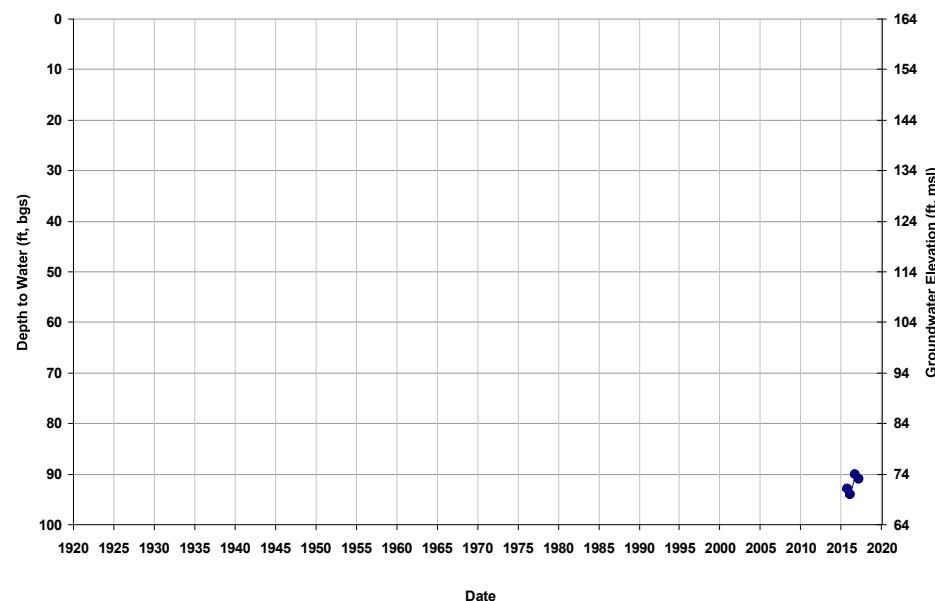
Well ID: 10S15E05B001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 197
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 10S15E05J-1
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 164
Total Depth (ft): 97
Perf Top (ft): 82
Perf Bottom (ft): 97



Well ID: 10S15E05J-2
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

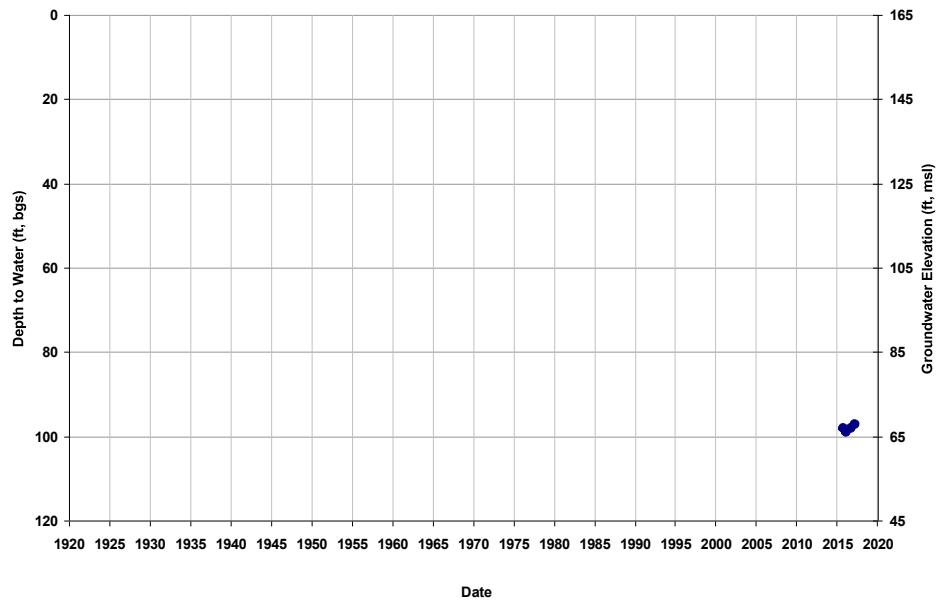
GSE (ft, msl): 165
Total Depth (ft): 104
Perf Top (ft): 84
Perf Bottom (ft): 104



A2.E-87

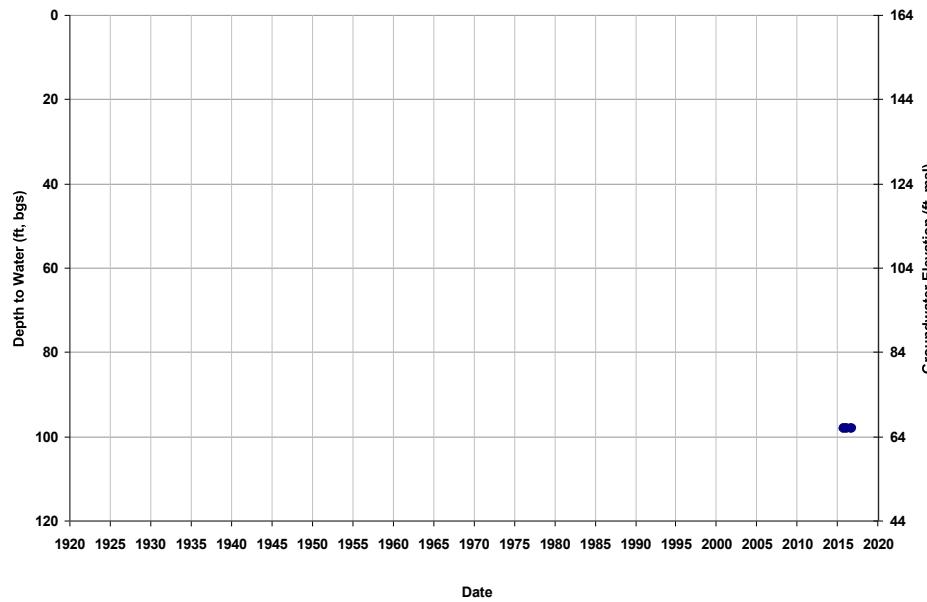
Well ID: 10S15E05K
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 165
Total Depth (ft): 105
Perf Top (ft): 85
Perf Bottom (ft): 105



Well ID: 10S15E05Q
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 164
Total Depth (ft): 100
Perf Top (ft): 80
Perf Bottom (ft): 100



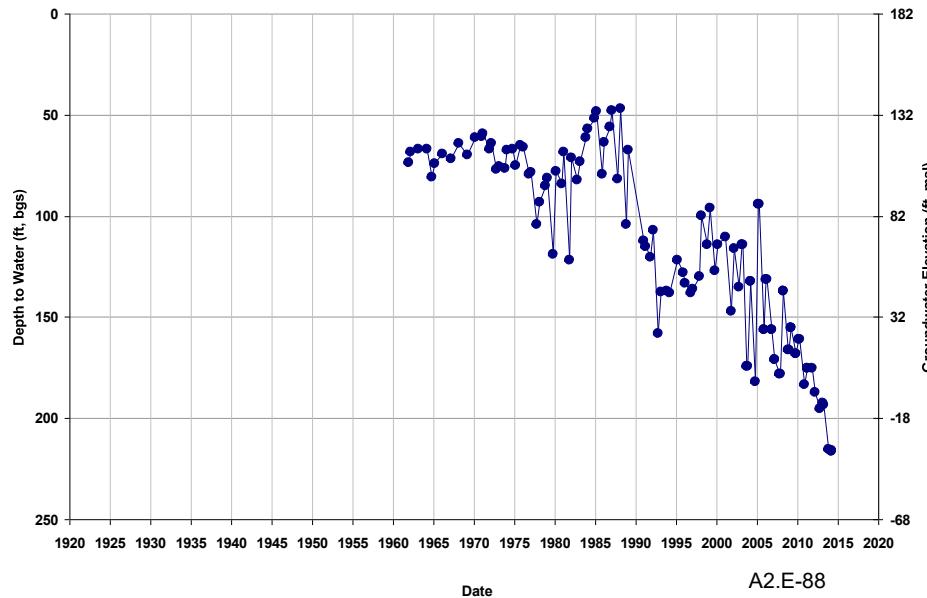
Well ID: 10S15E05R
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 159
Total Depth (ft): 100
Perf Top (ft): 80
Perf Bottom (ft): 100



Well ID: 10S15E06L001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

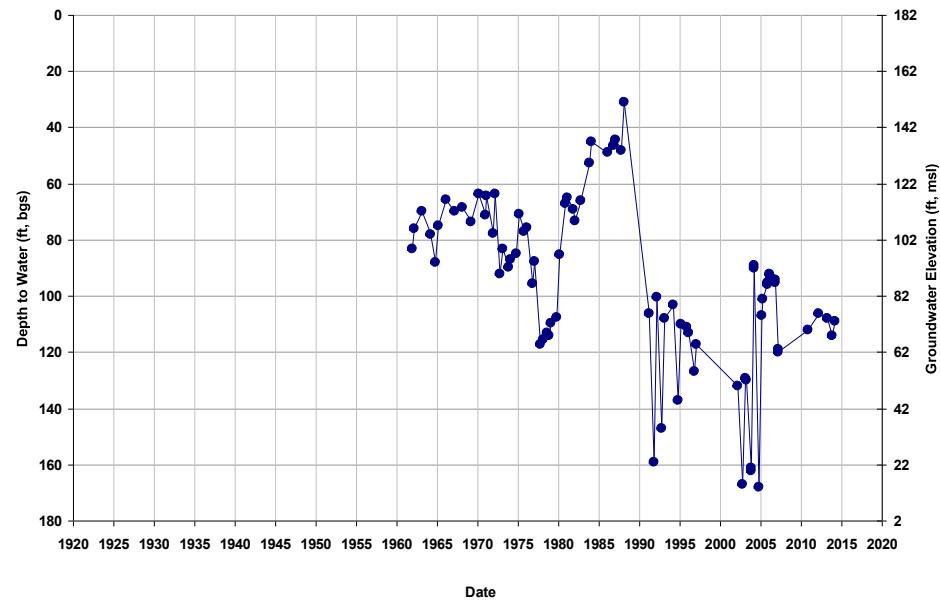
GSE (ft, msl): 182
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-88

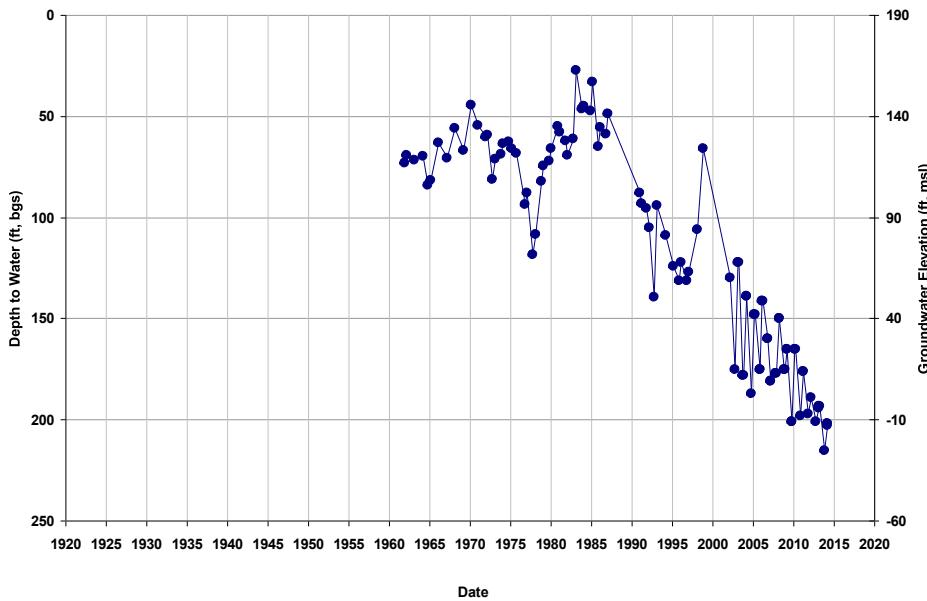
Well ID: 10S15E07Q001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 182
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



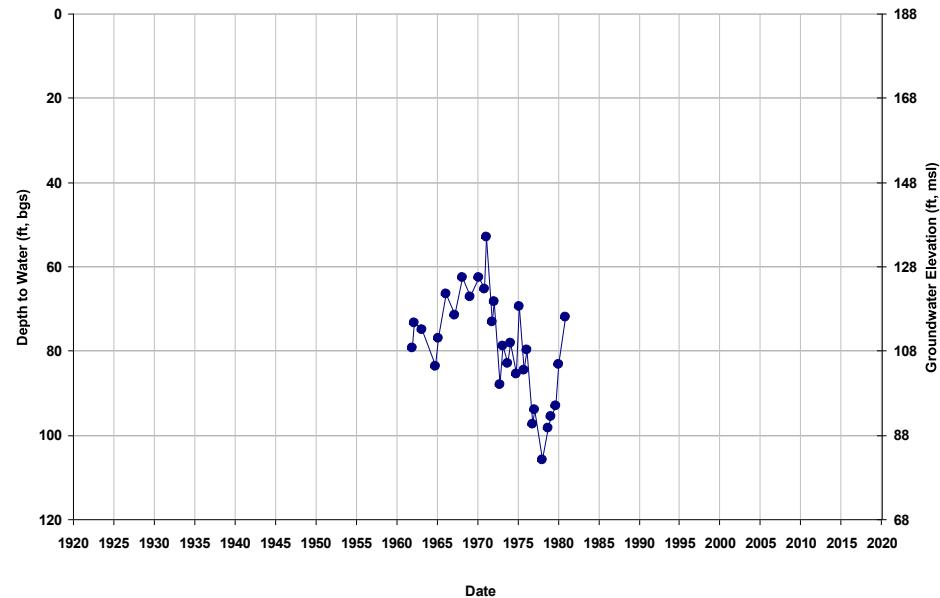
Well ID: 10S15E08C001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 190
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



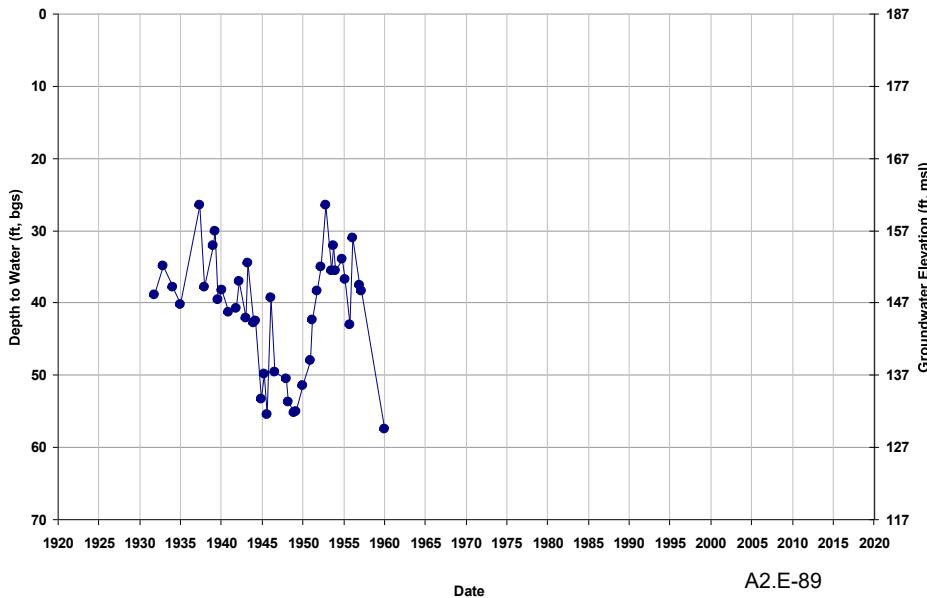
Well ID: 10S15E08K002M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 188
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 10S15E08L001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

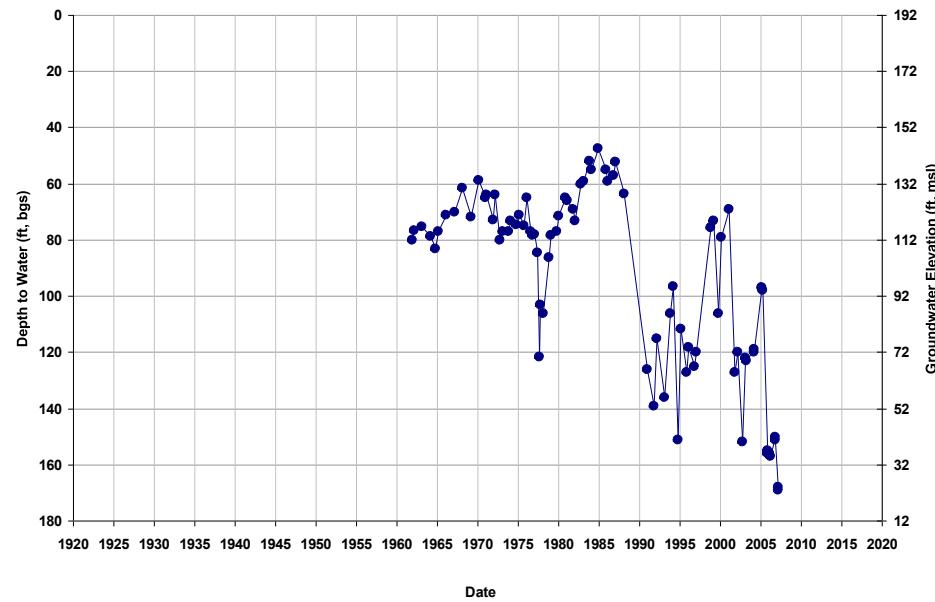
GSE (ft, msl): 186
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-89

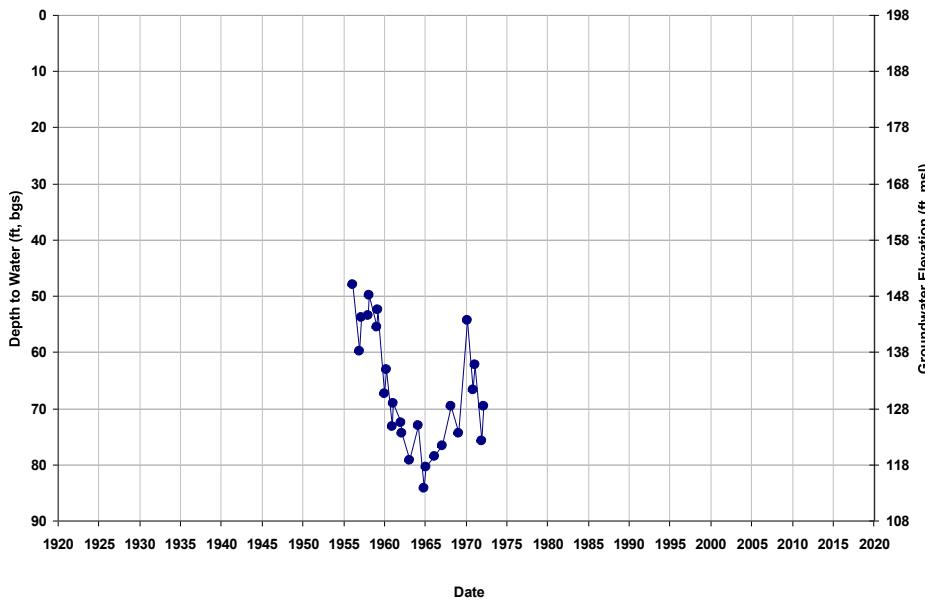
Well ID: 10S15E09M001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 192
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



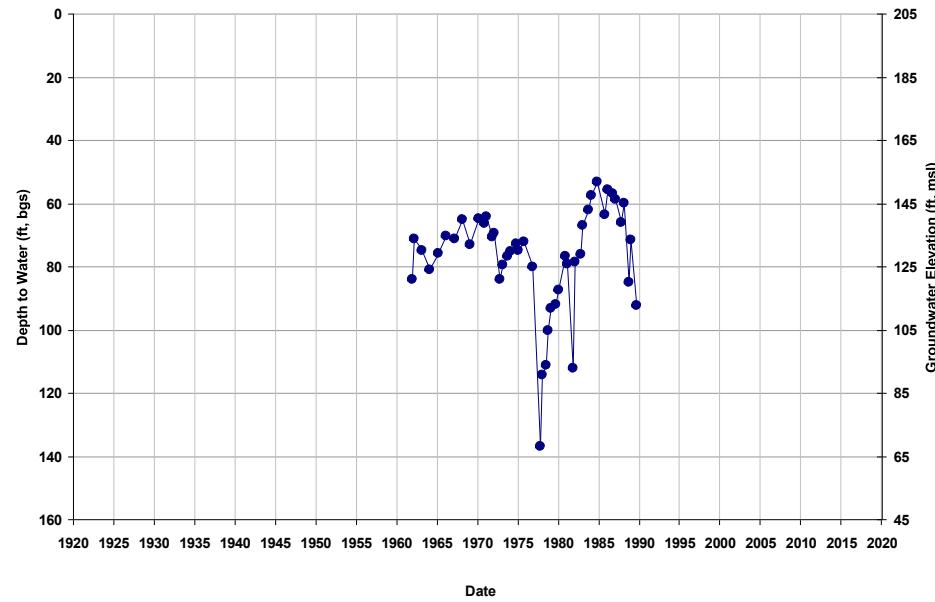
Well ID: 10S15E09R003M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 197
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



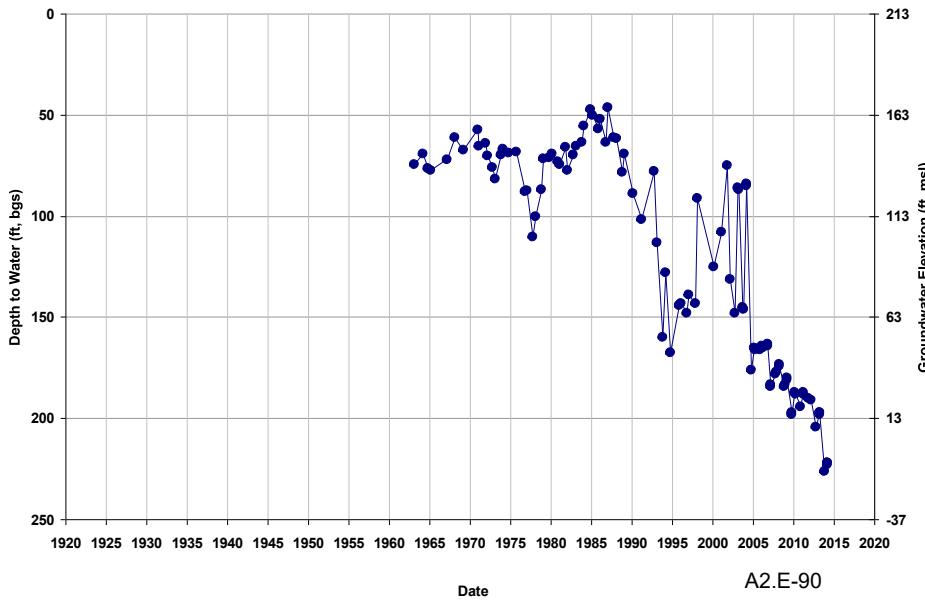
Well ID: 10S15E10K001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 205
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



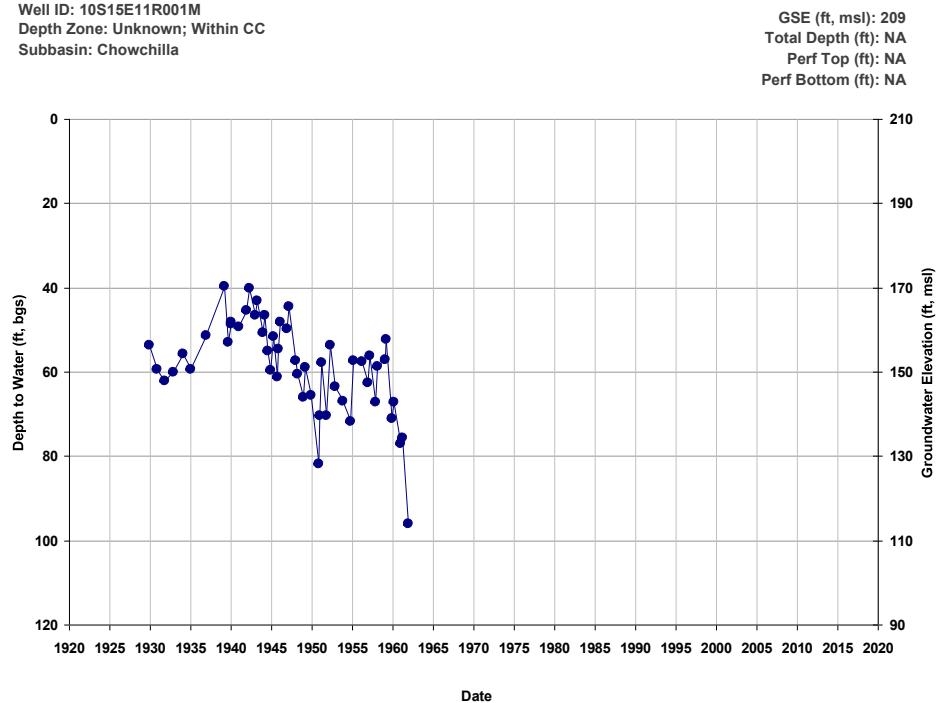
Well ID: 10S15E11H001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 213
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA

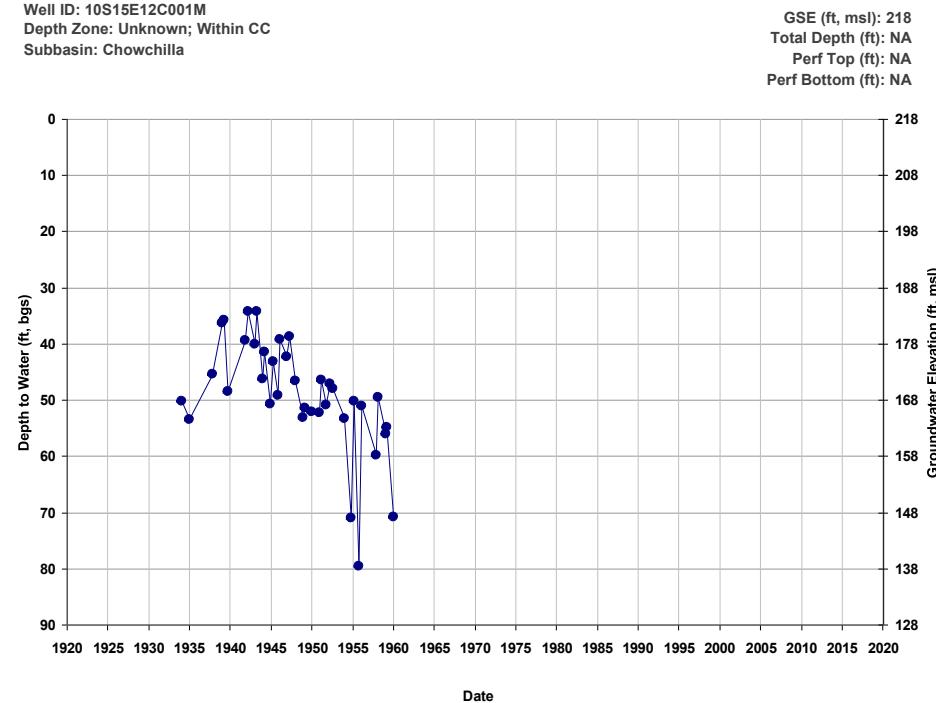


A2.E-90

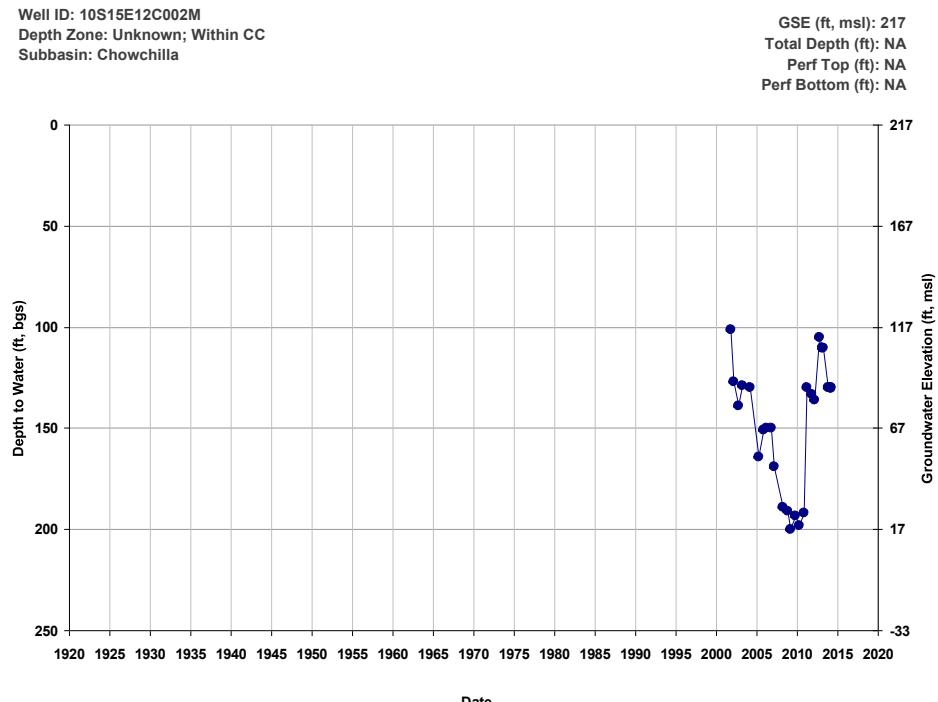
Well ID: 10S15E11R001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla



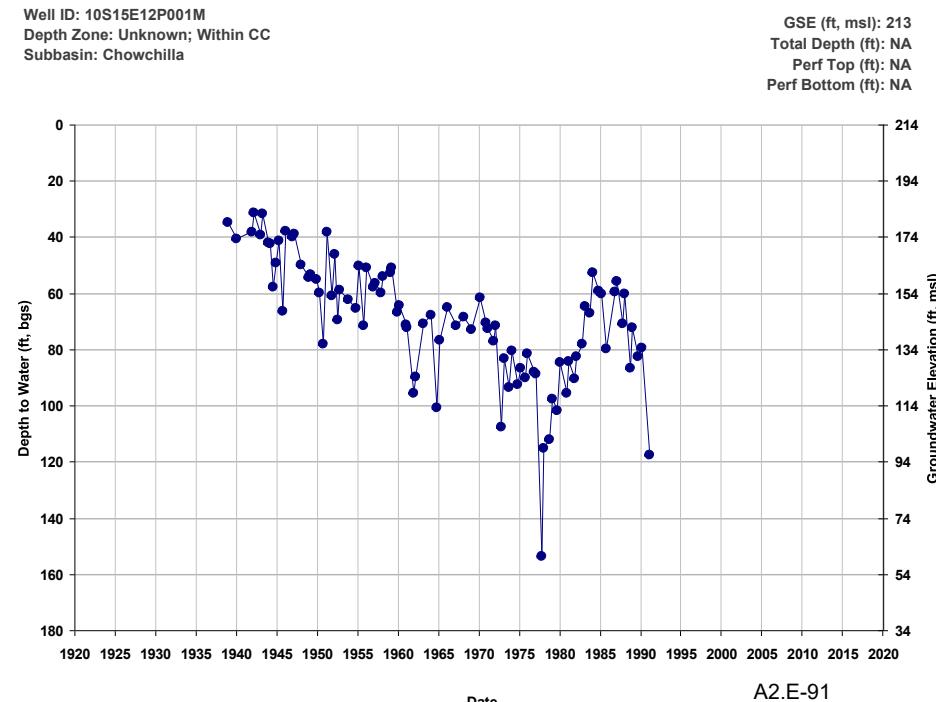
Well ID: 10S15E12C001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla



Well ID: 10S15E12C002M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

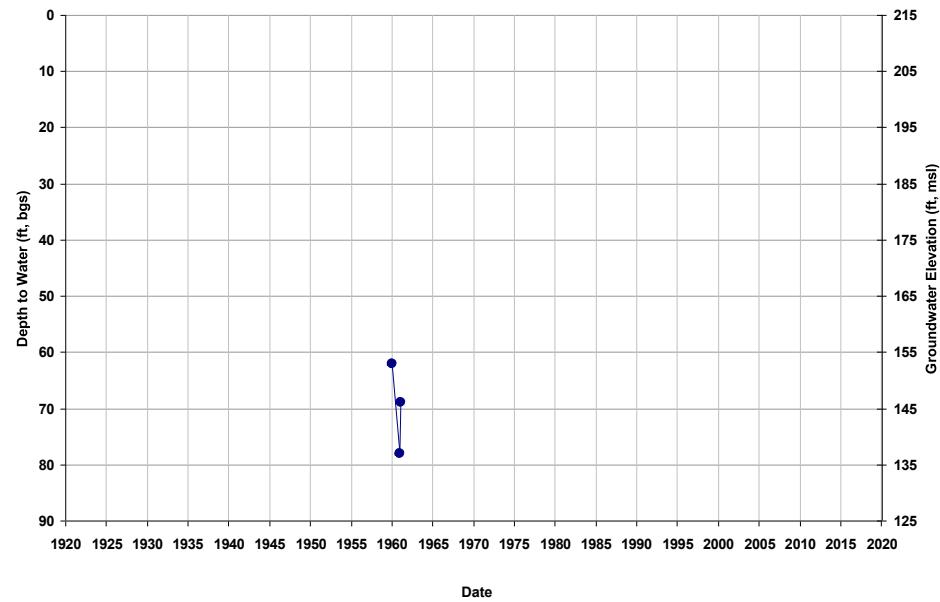


Well ID: 10S15E12P001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla



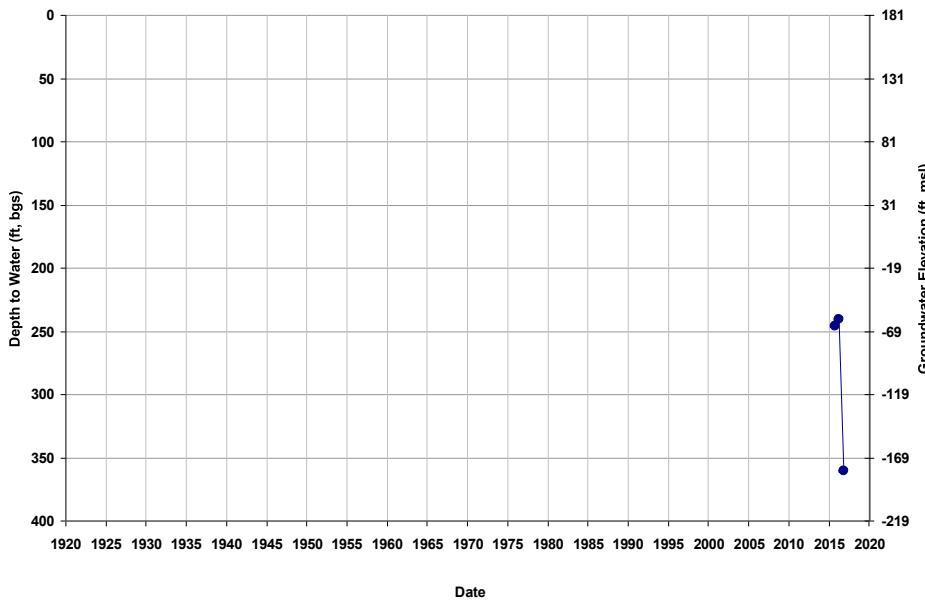
Well ID: 10S15E13A001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 215
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



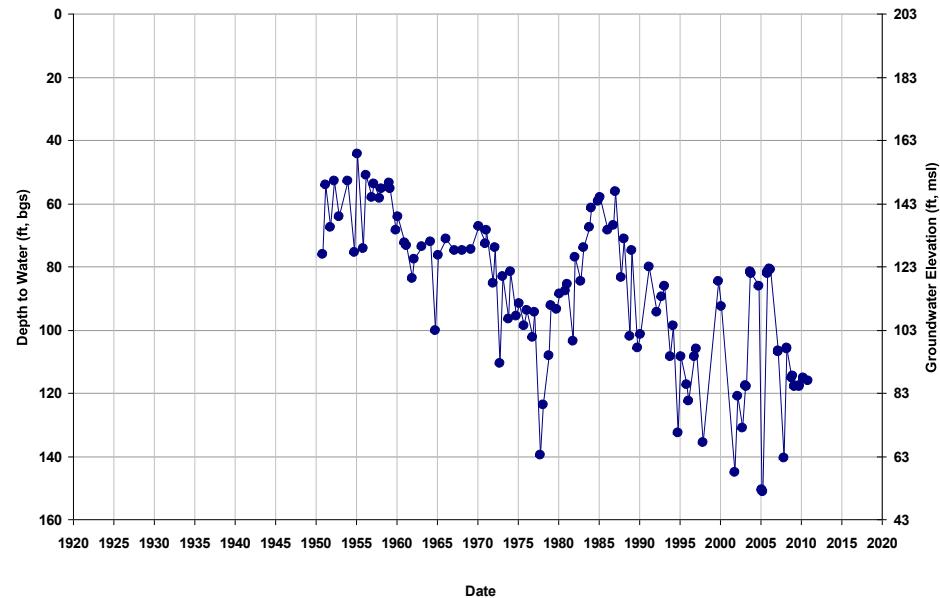
Well ID: 10S15E13F
Depth Zone: Lower; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 180
Total Depth (ft): 390
Perf Top (ft): 150
Perf Bottom (ft): 390



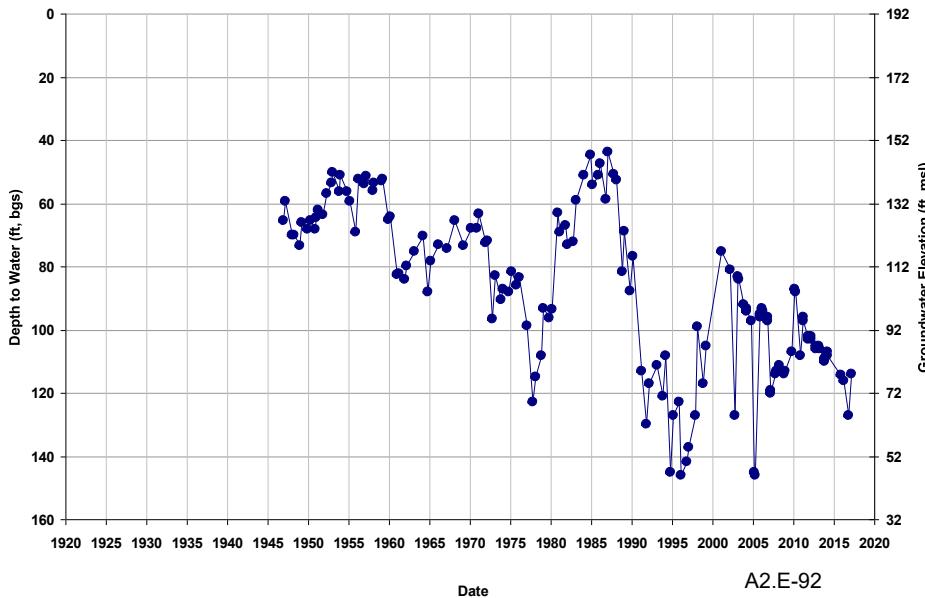
Well ID: 10S15E14D001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 203
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 10S15E16R002M
Depth Zone: Lower; Within CC
Subbasin: Chowchilla

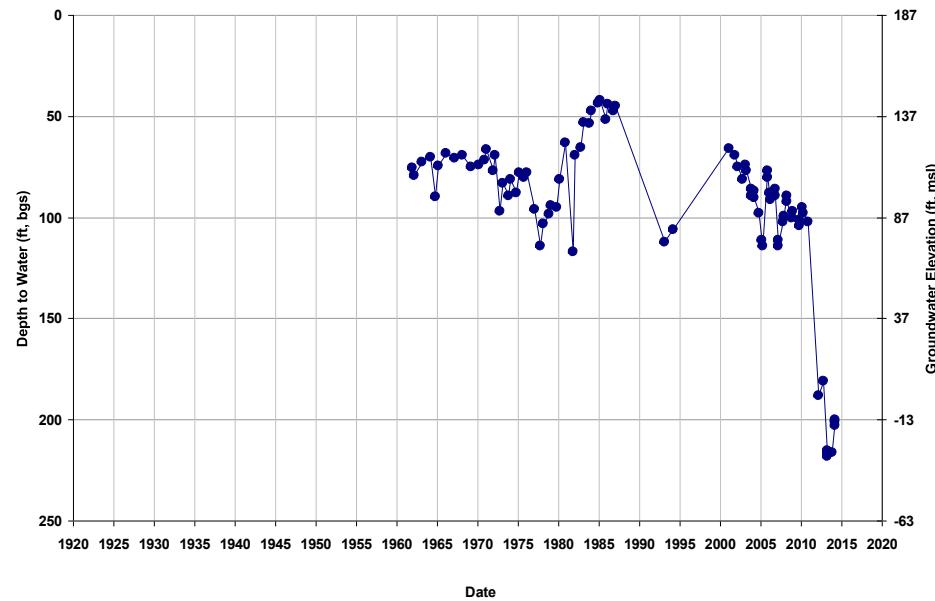
GSE (ft, msl): 192
Total Depth (ft): 529
Perf Top (ft): 187
Perf Bottom (ft): 529



A2.E-92

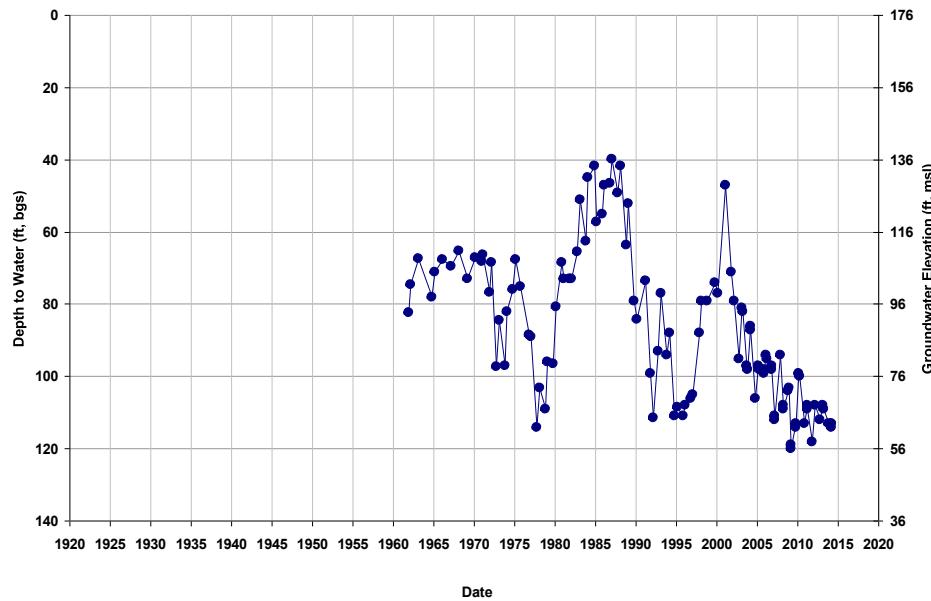
Well ID: 10S15E17G001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 187
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



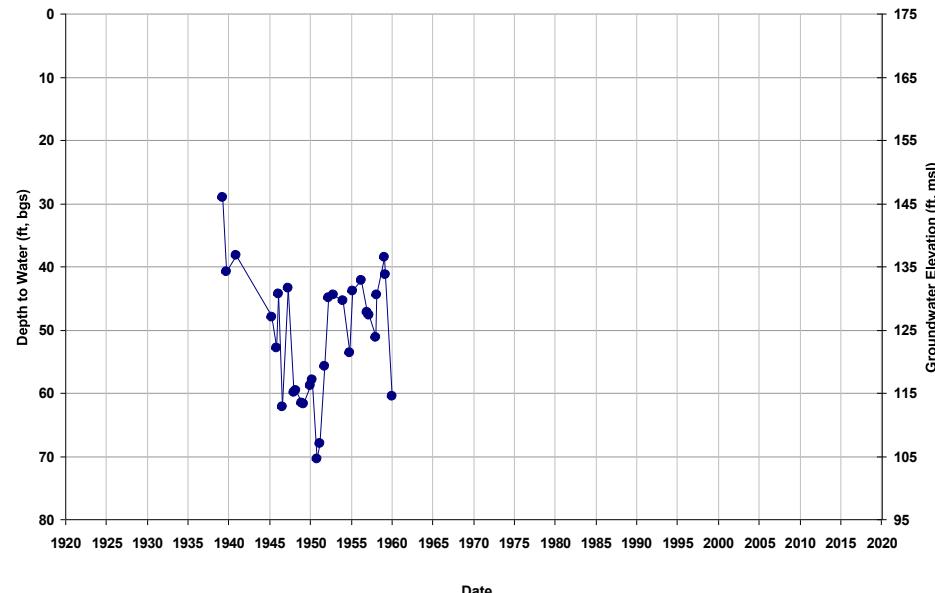
Well ID: 10S15E18L001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 176
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



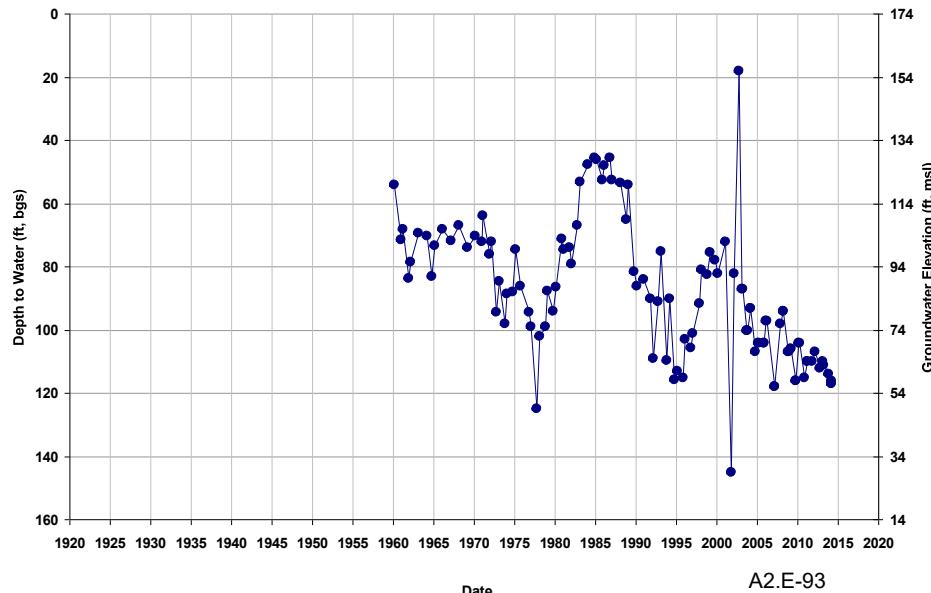
Well ID: 10S15E18M001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 175
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



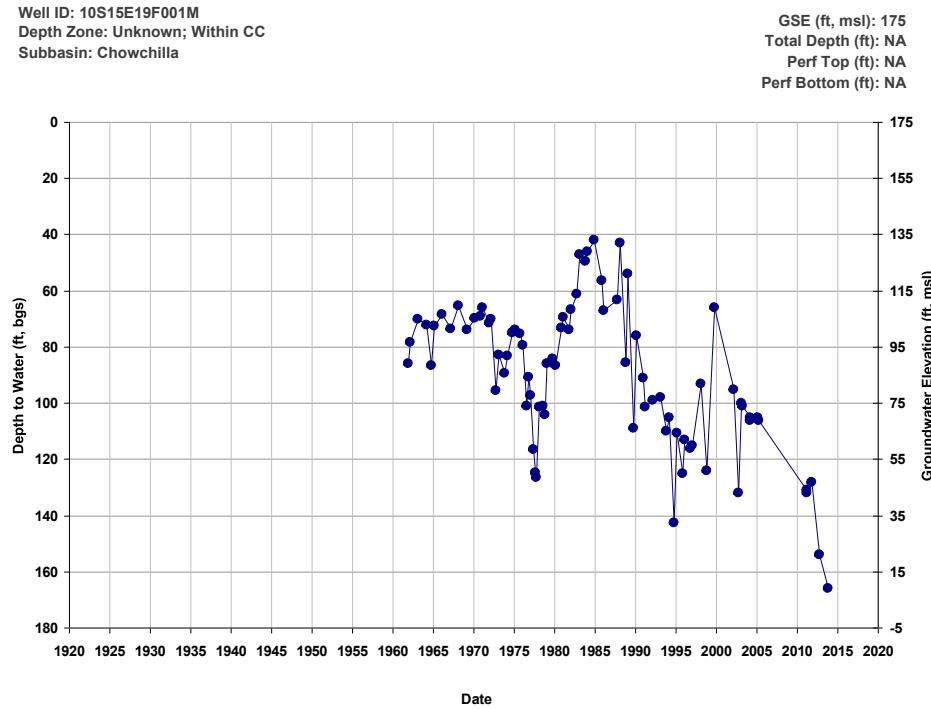
Well ID: 10S15E18M002M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 174
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA

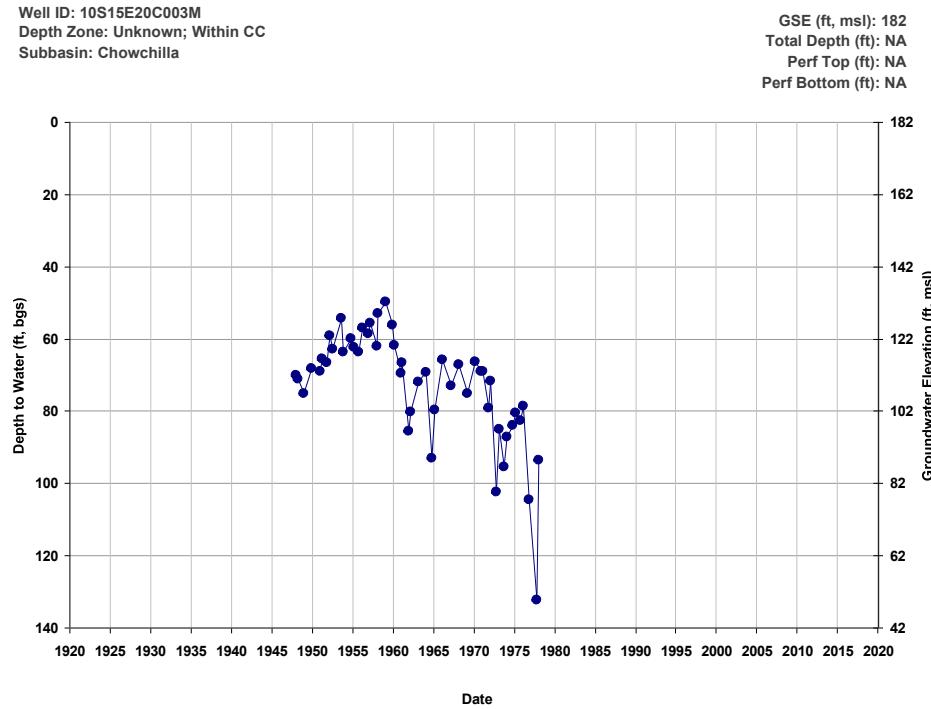


A2.E-93

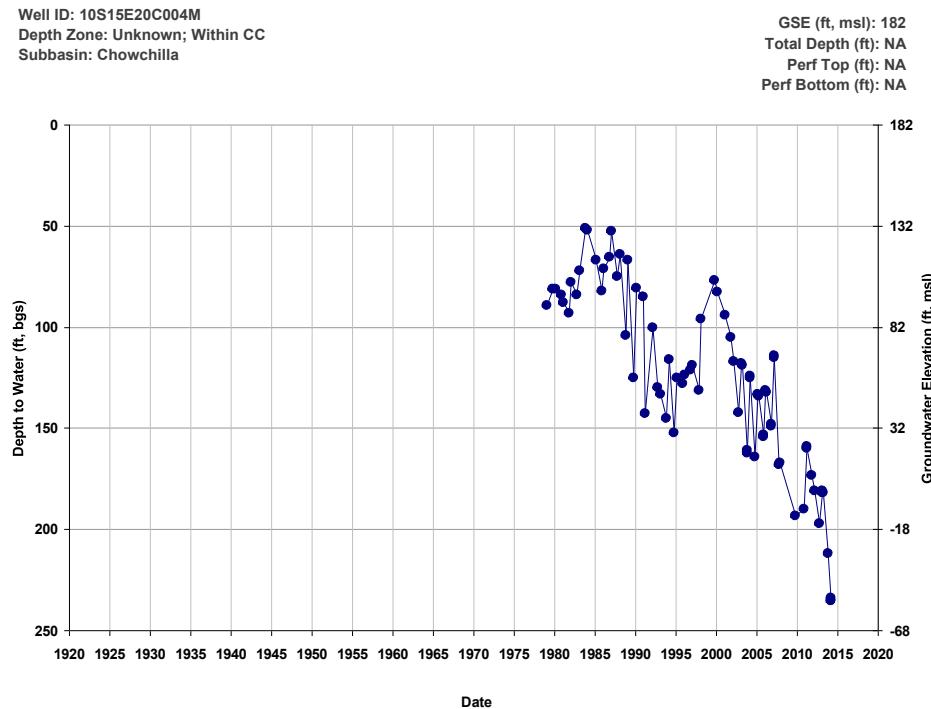
Well ID: 10S15E19F001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla



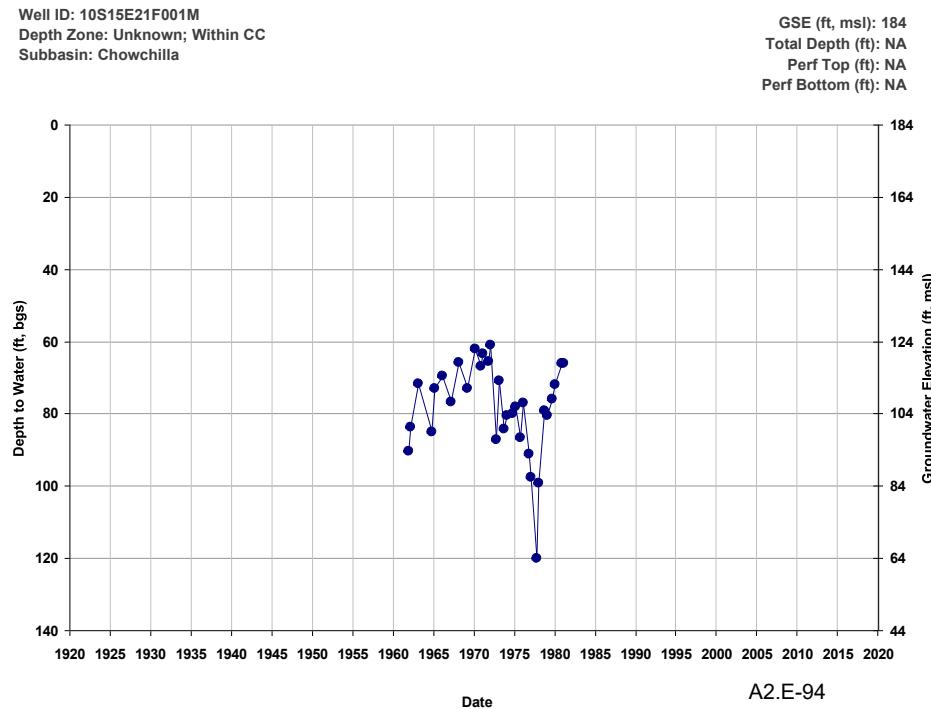
Well ID: 10S15E20C003M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla



Well ID: 10S15E20C004M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

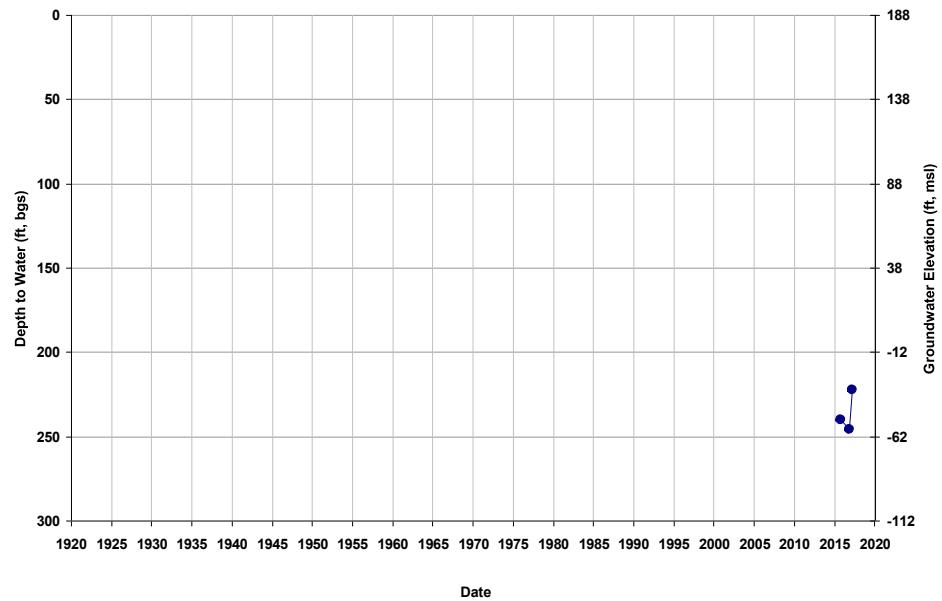


Well ID: 10S15E21F001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla



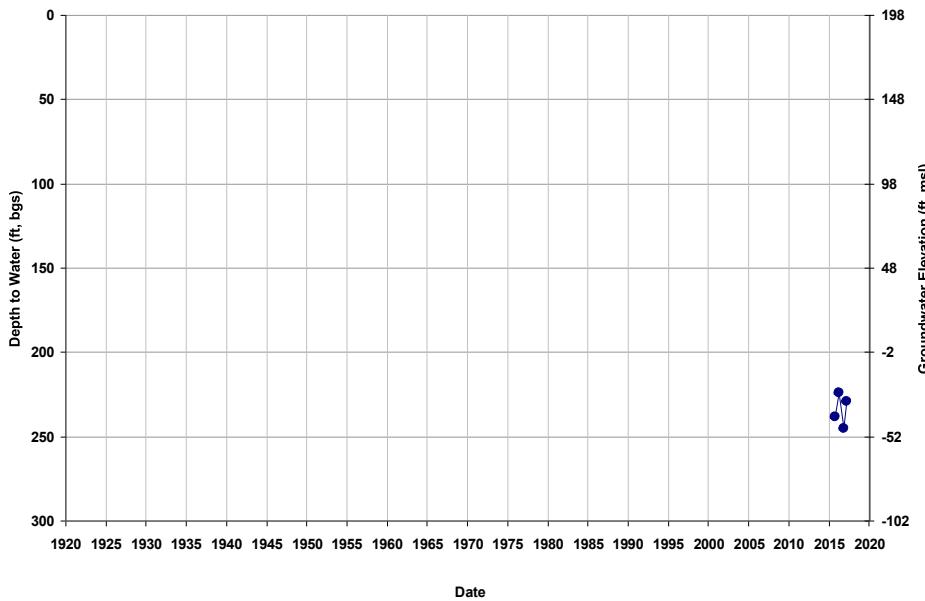
Well ID: 10S15E21R001M
Depth Zone: Lower; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 188
Total Depth (ft): 600
Perf Top (ft): 280
Perf Bottom (ft): 600



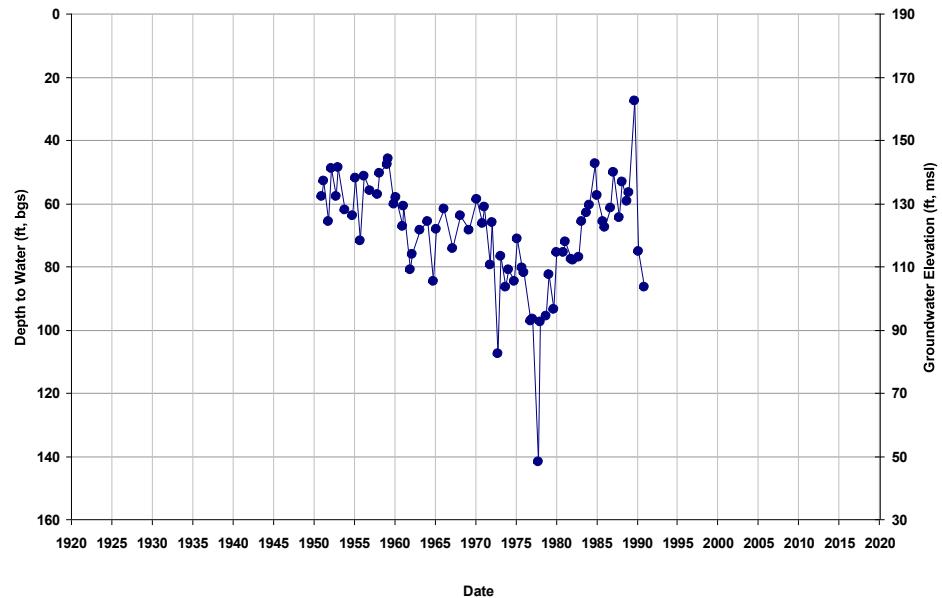
Well ID: 10S15E22D
Depth Zone: Lower; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 198
Total Depth (ft): 800
Perf Top (ft): 360
Perf Bottom (ft): 800



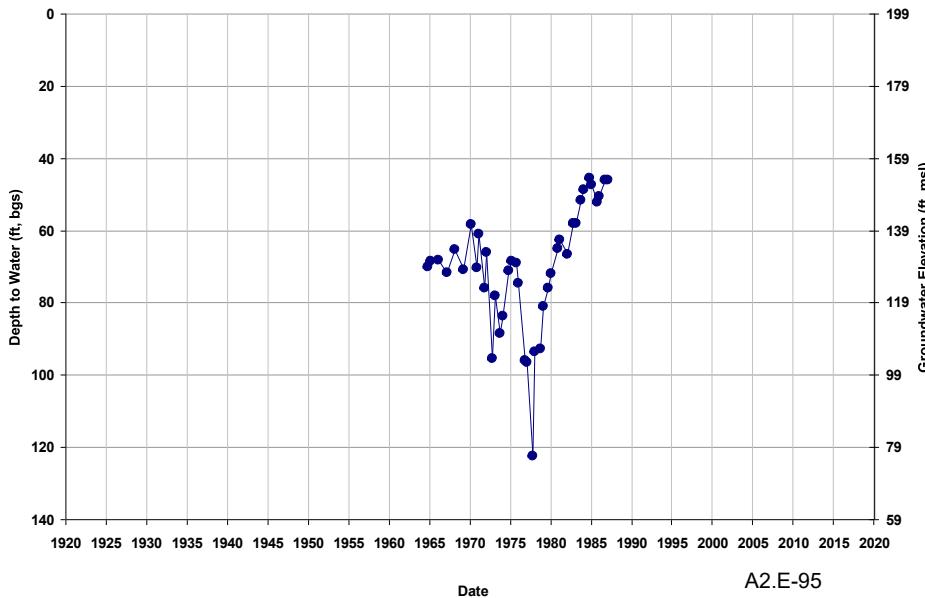
Well ID: 10S15E22K001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 190
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 10S15E23C001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

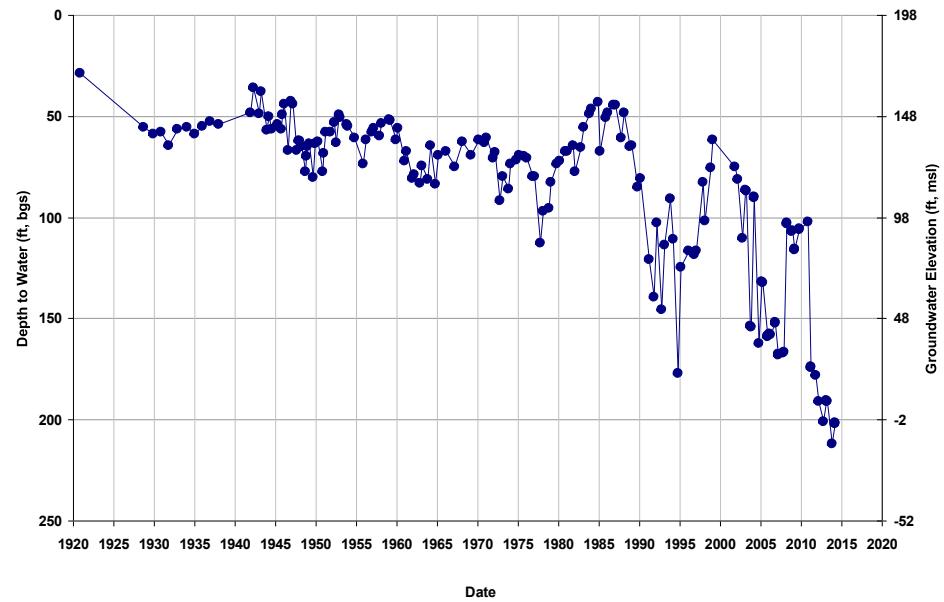
GSE (ft, msl): 199
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-95

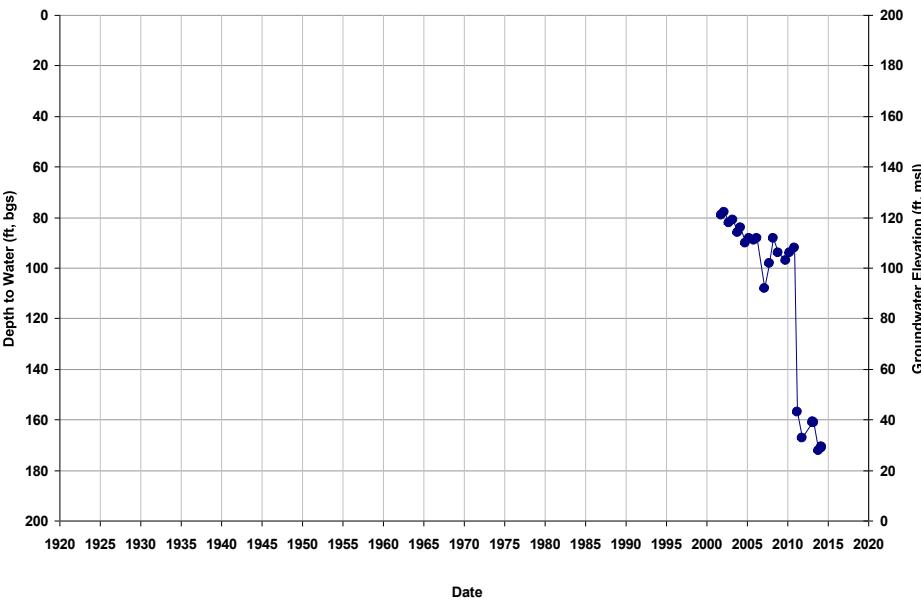
Well ID: 10S15E23K001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 197
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



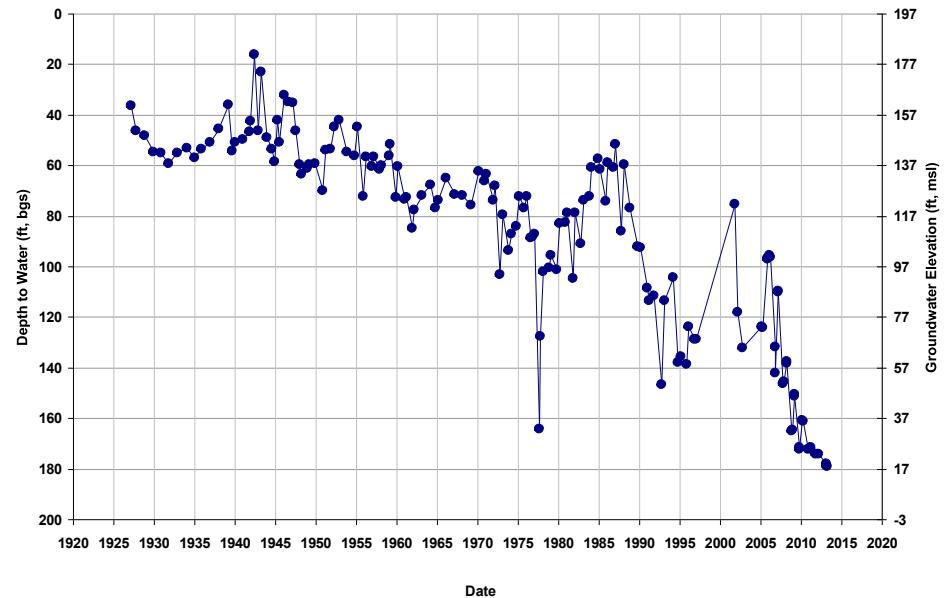
Well ID: 10S15E25A001M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

GSE (ft, msl): 200
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



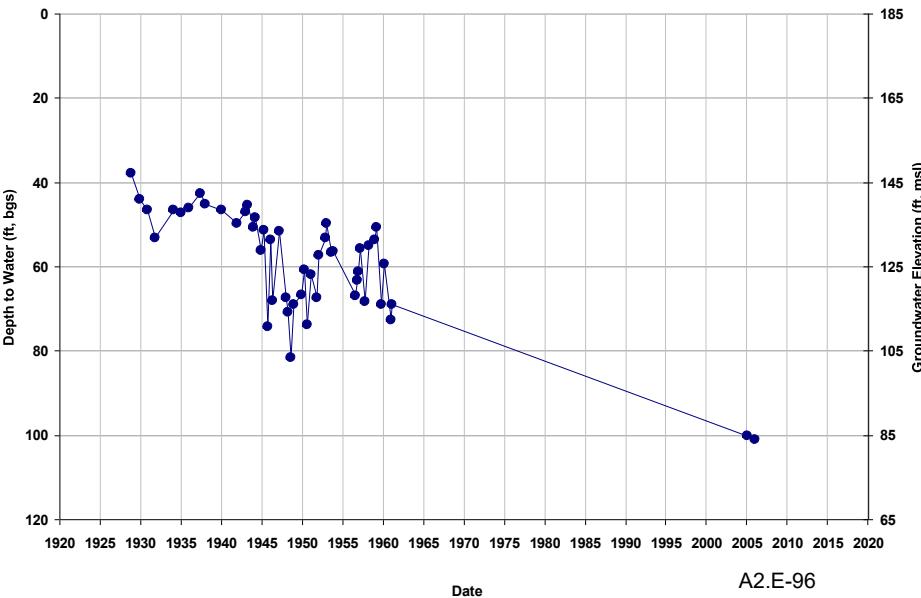
Well ID: 10S15E26A001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 197
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 10S15E27D001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

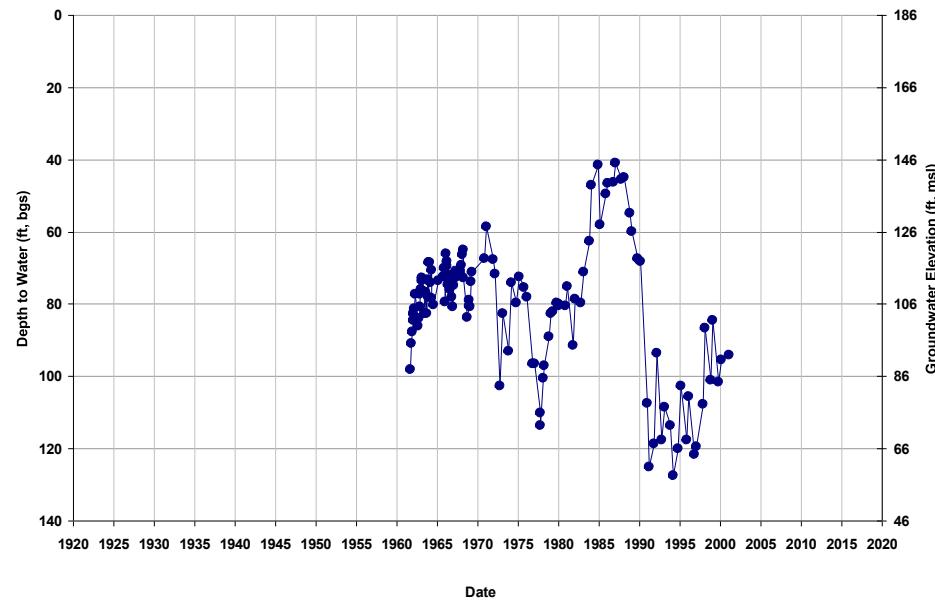
GSE (ft, msl): 185
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-96

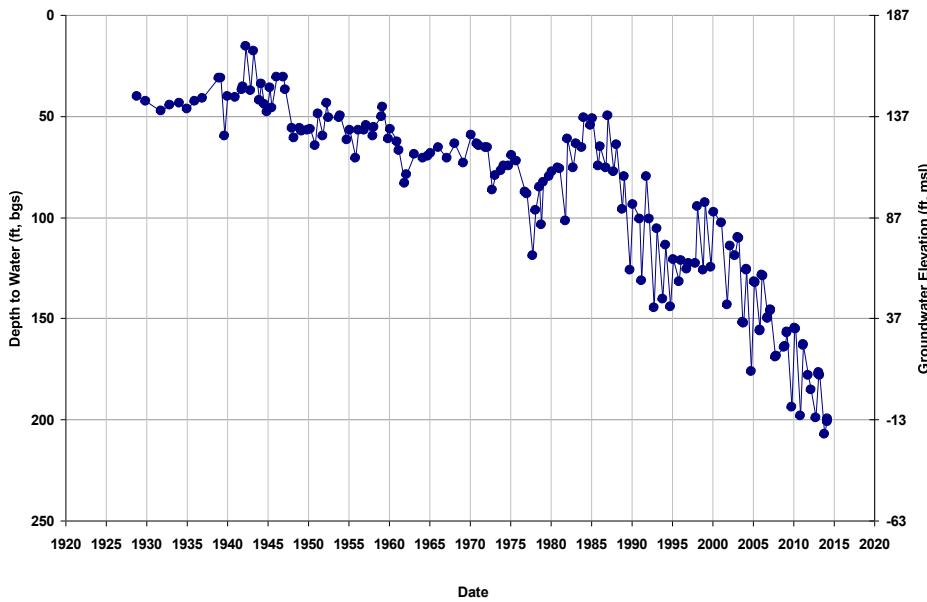
Well ID: 10S15E27D003M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 186
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



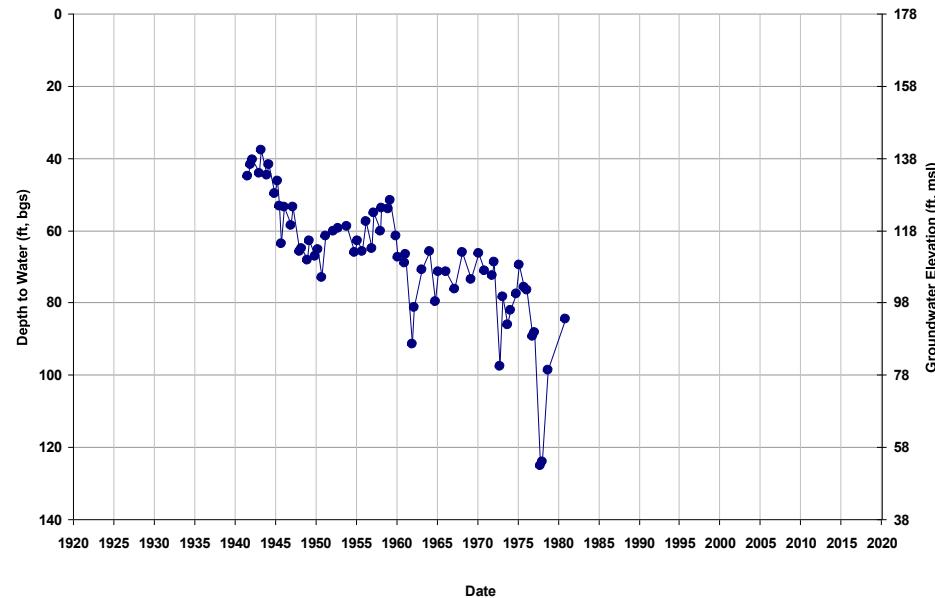
Well ID: 10S15E27R001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 187
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



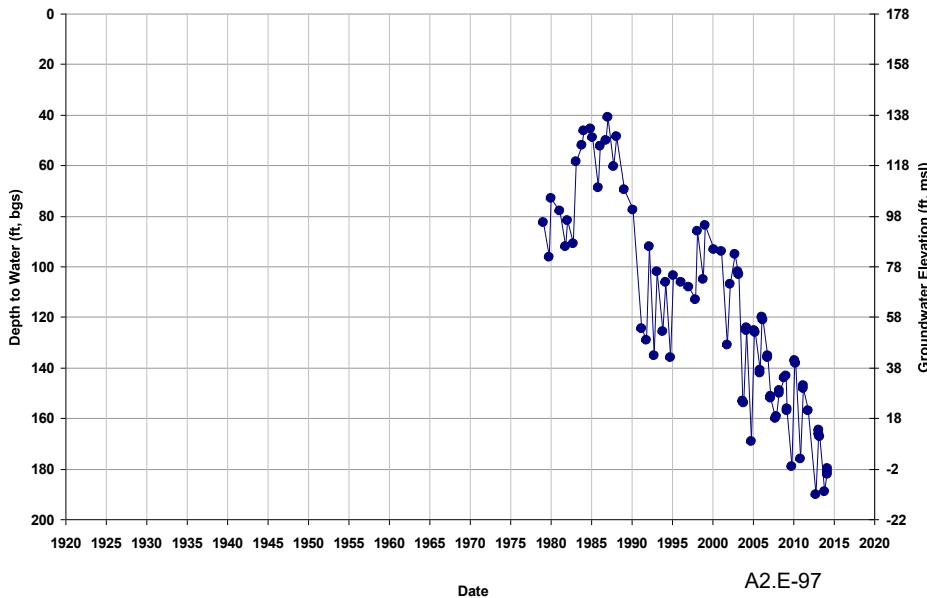
Well ID: 10S15E29A001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 178
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 10S15E29A002M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

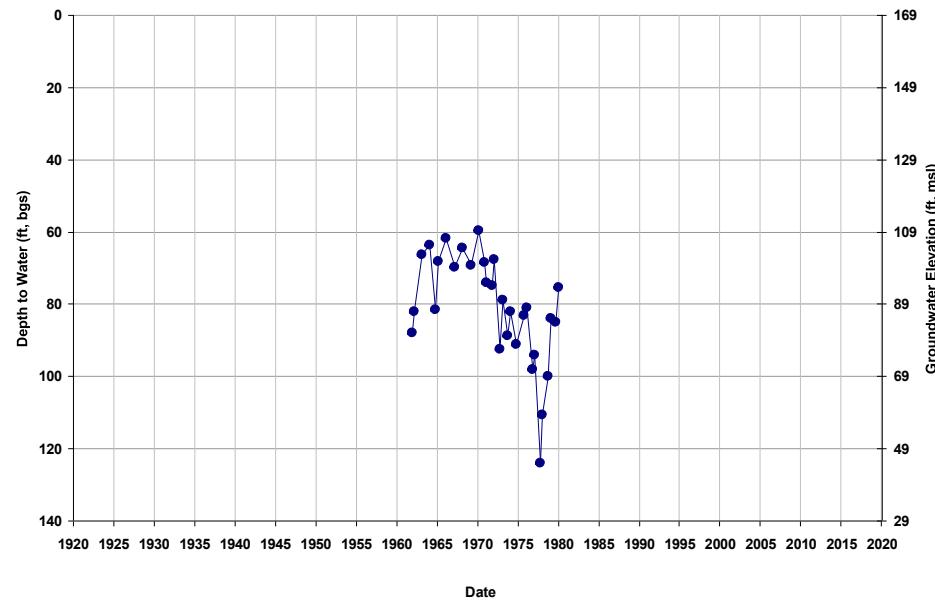
GSE (ft, msl): 178
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-97

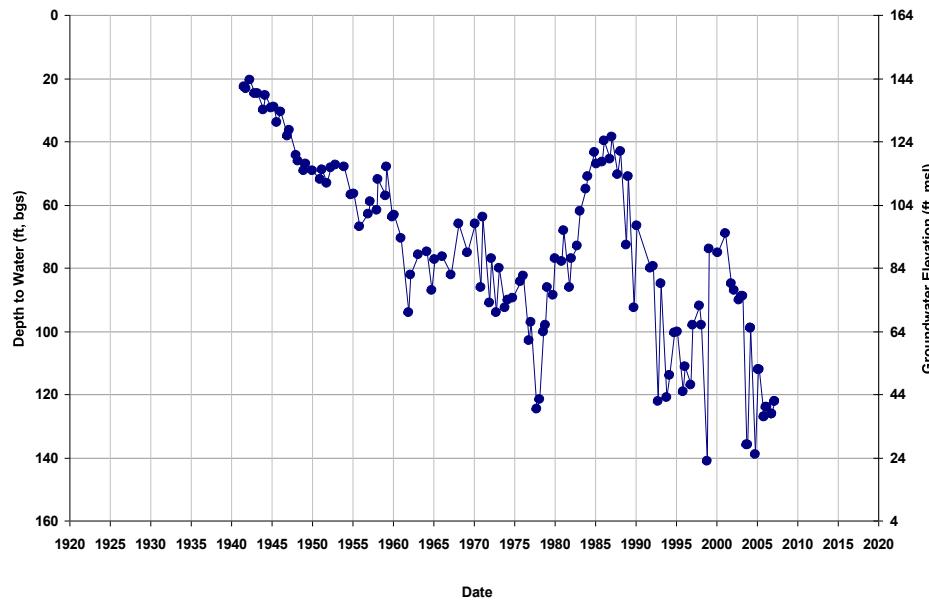
Well ID: 10S15E30J001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 169
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



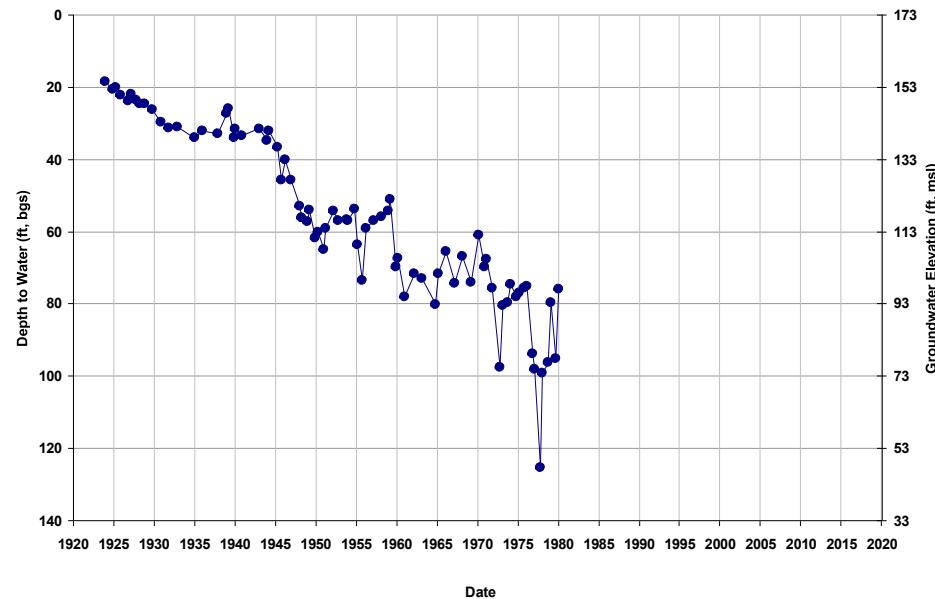
Well ID: 10S15E31C001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 164
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



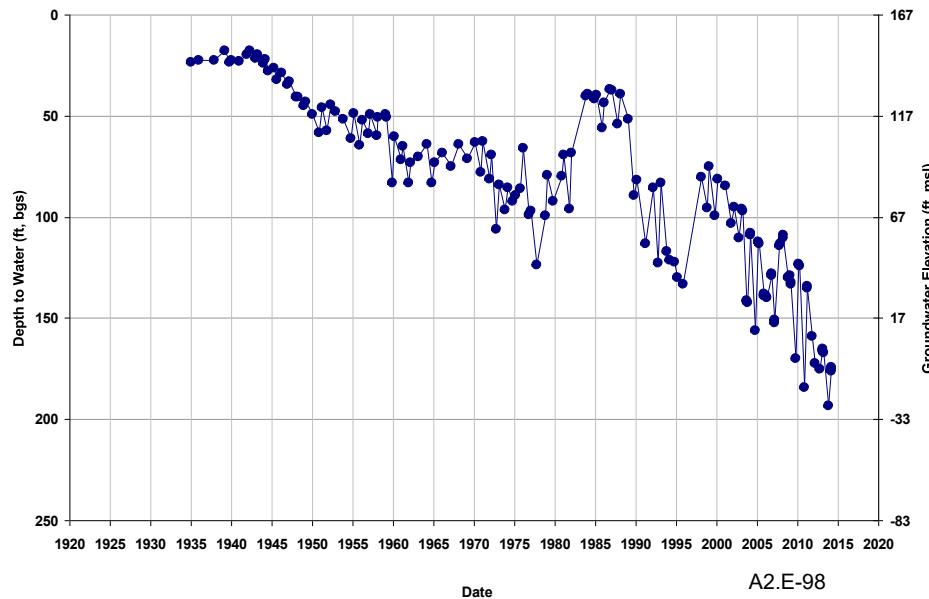
Well ID: 10S15E32A001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 172
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



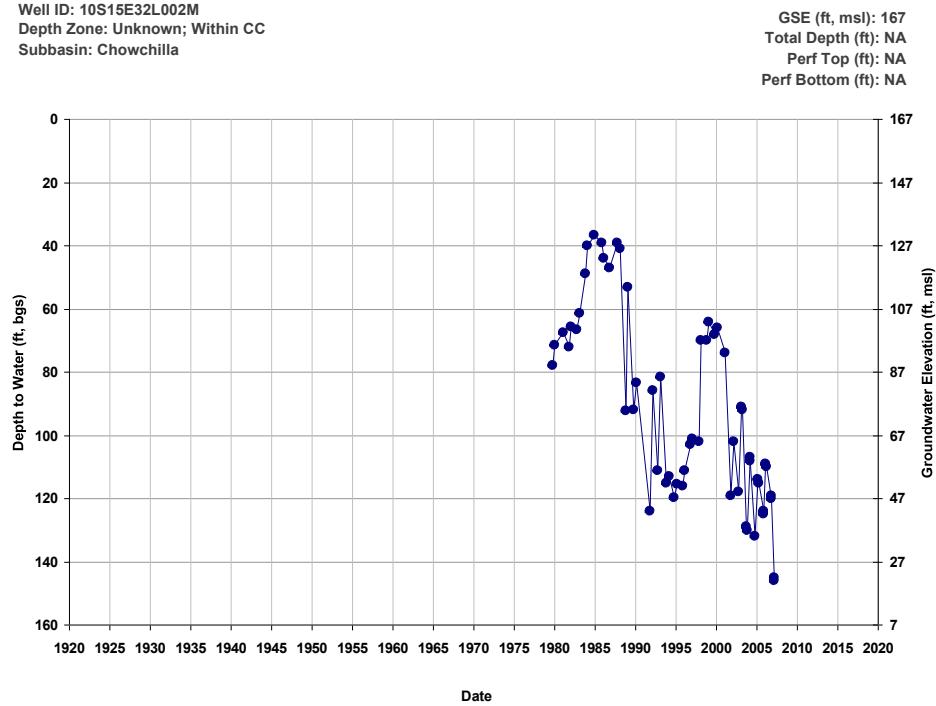
Well ID: 10S15E32L001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 166
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA

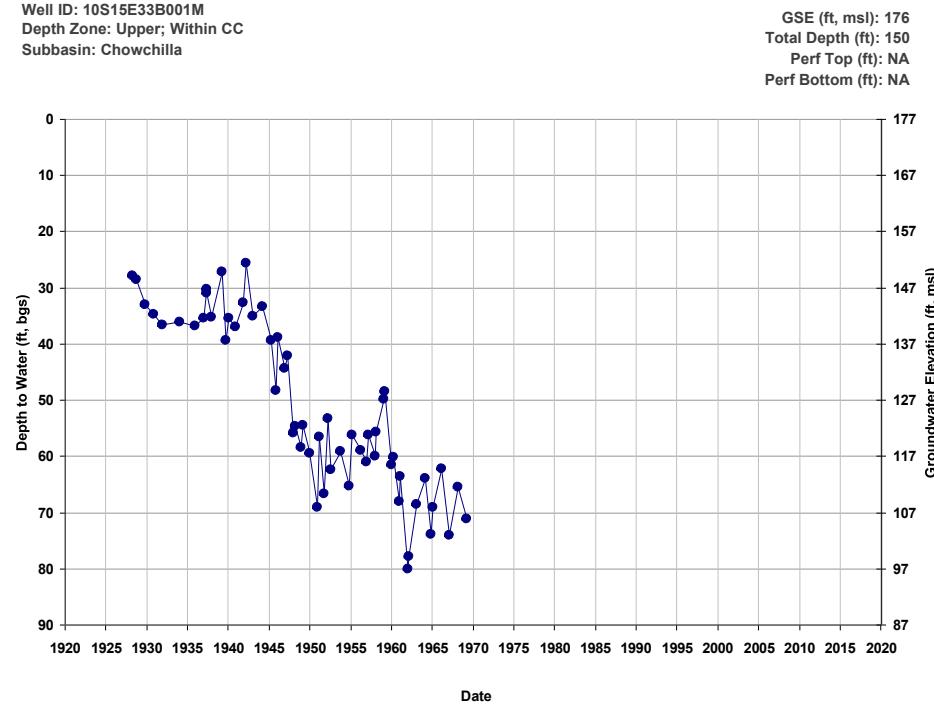


A2.E-98

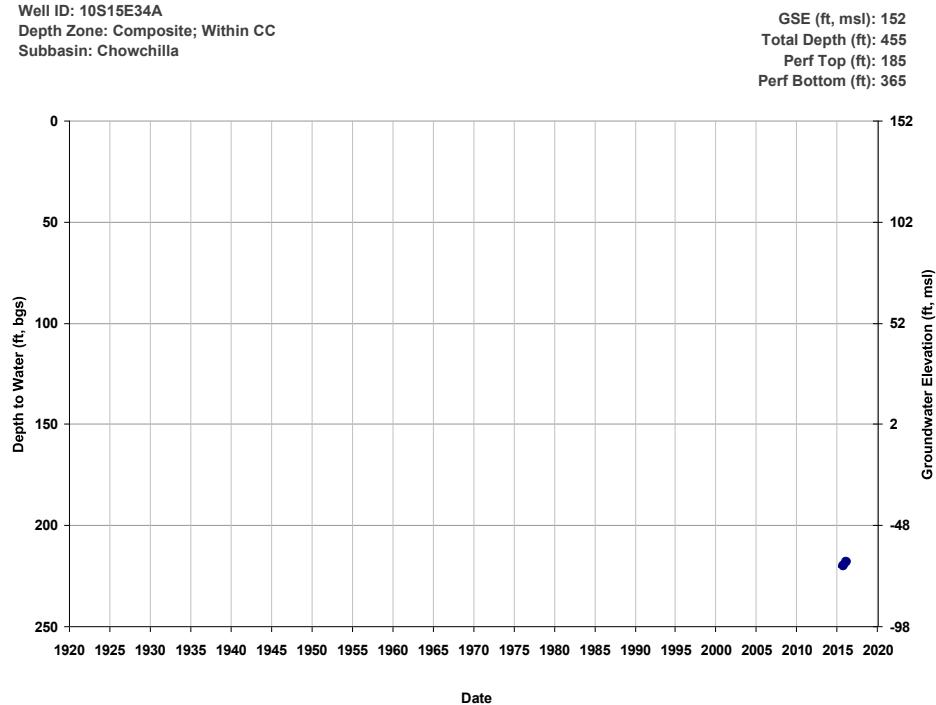
Well ID: 10S15E32L002M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla



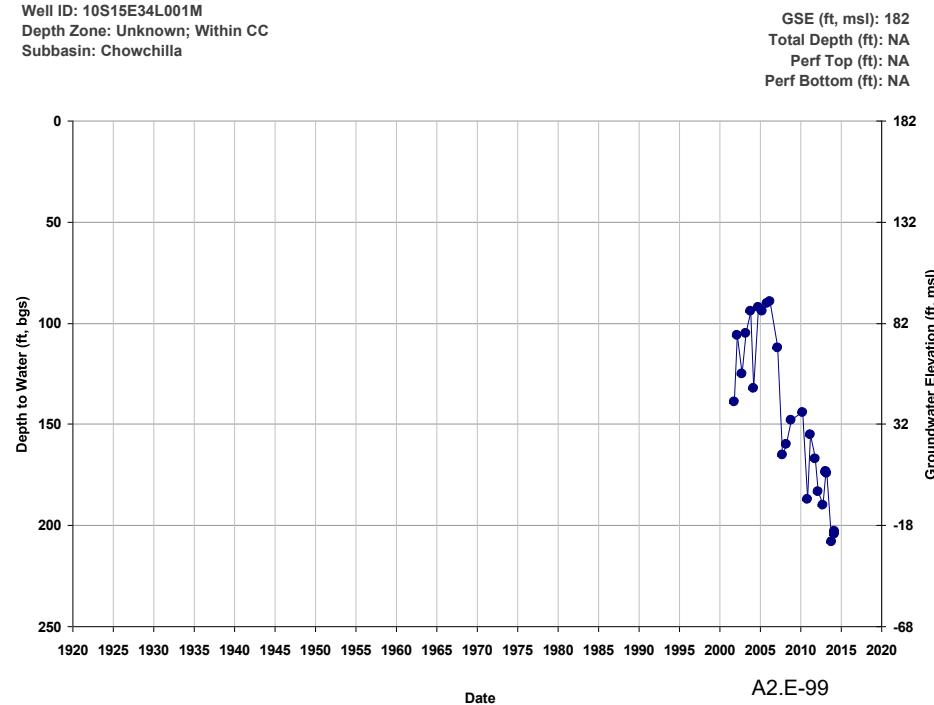
Well ID: 10S15E33B001M
Depth Zone: Upper; Within CC
Subbasin: Chowchilla



Well ID: 10S15E34A
Depth Zone: Composite; Within CC
Subbasin: Chowchilla

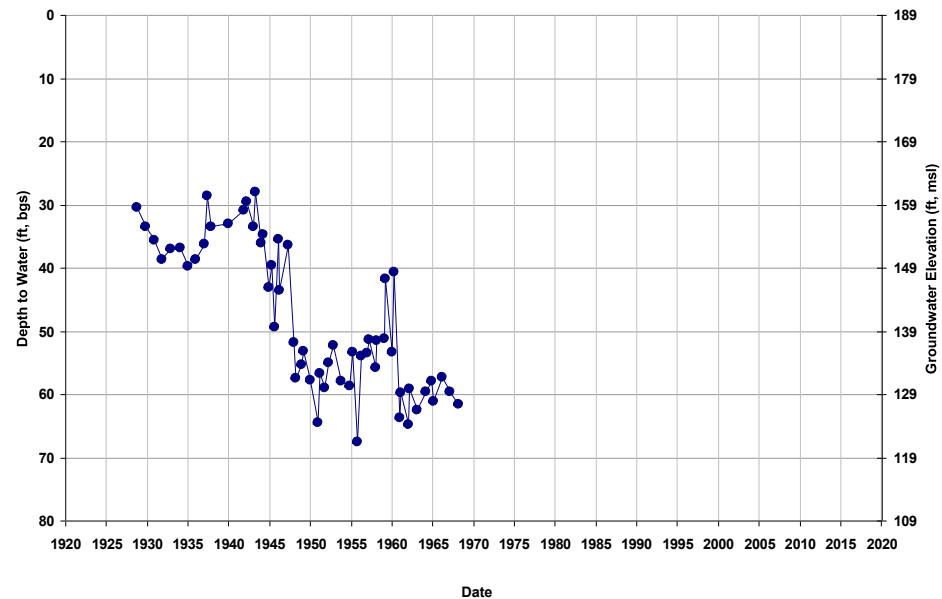


Well ID: 10S15E34L001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla



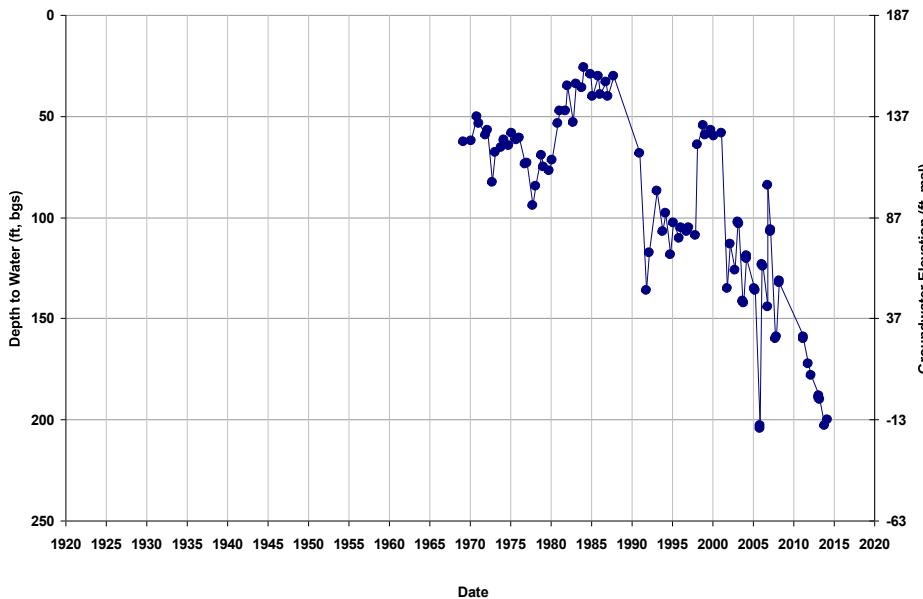
Well ID: 10S15E35A001M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

GSE (ft, msl): 188
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



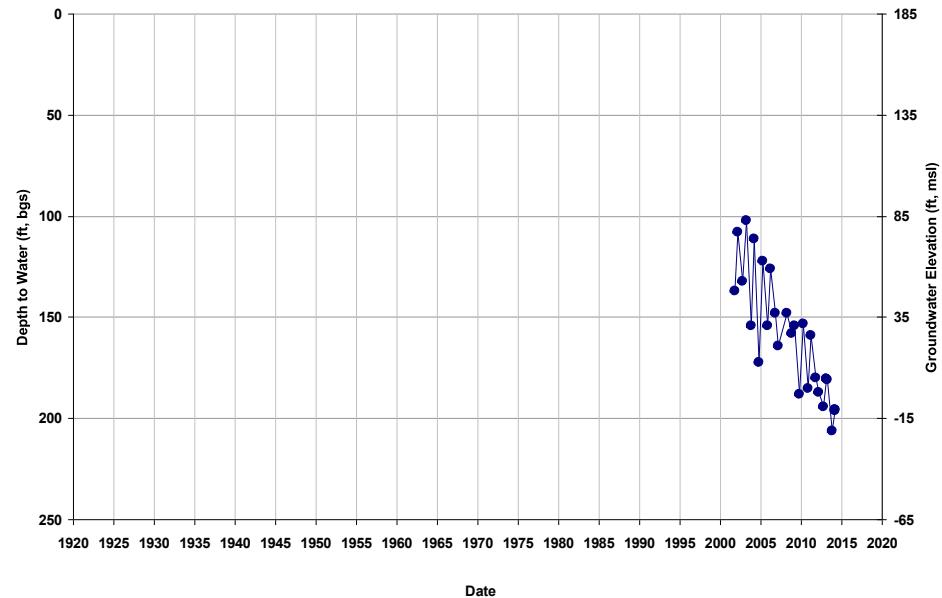
Well ID: 10S15E35A002M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

GSE (ft, msl): 187
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



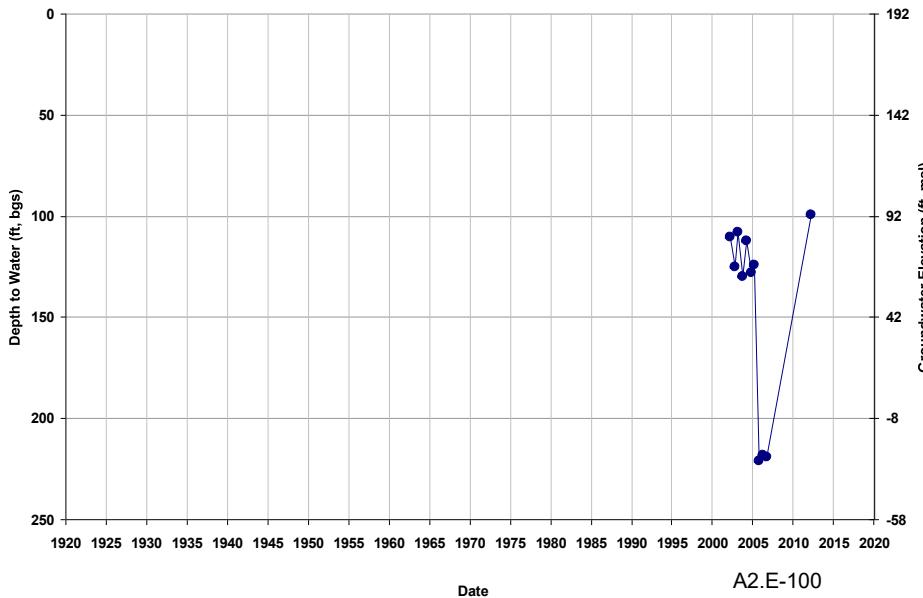
Well ID: 10S15E35J001M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

GSE (ft, msl): 185
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 10S15E36A001M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

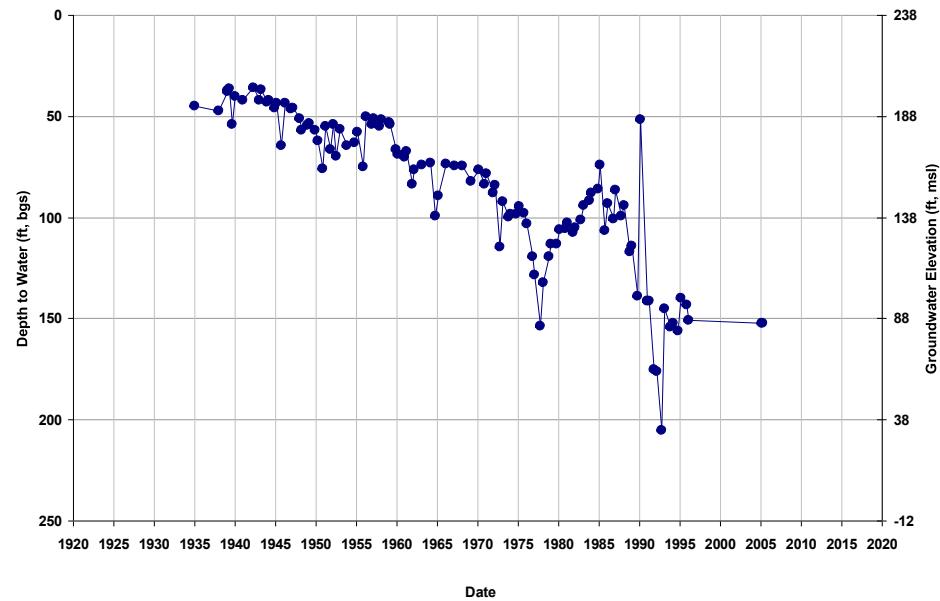
GSE (ft, msl): 192
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-100

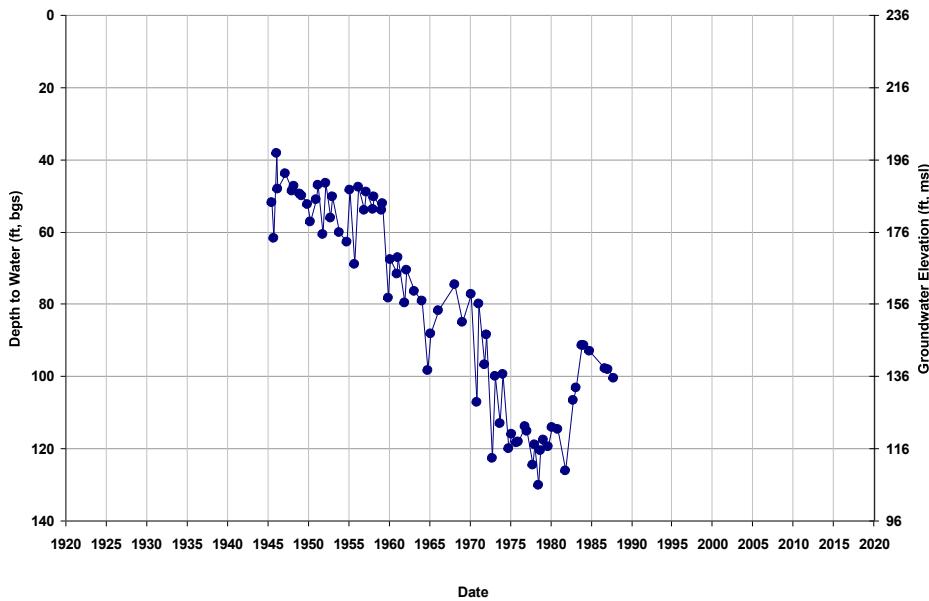
Well ID: 10S16E04N001M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

GSE (ft, msl): 238
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



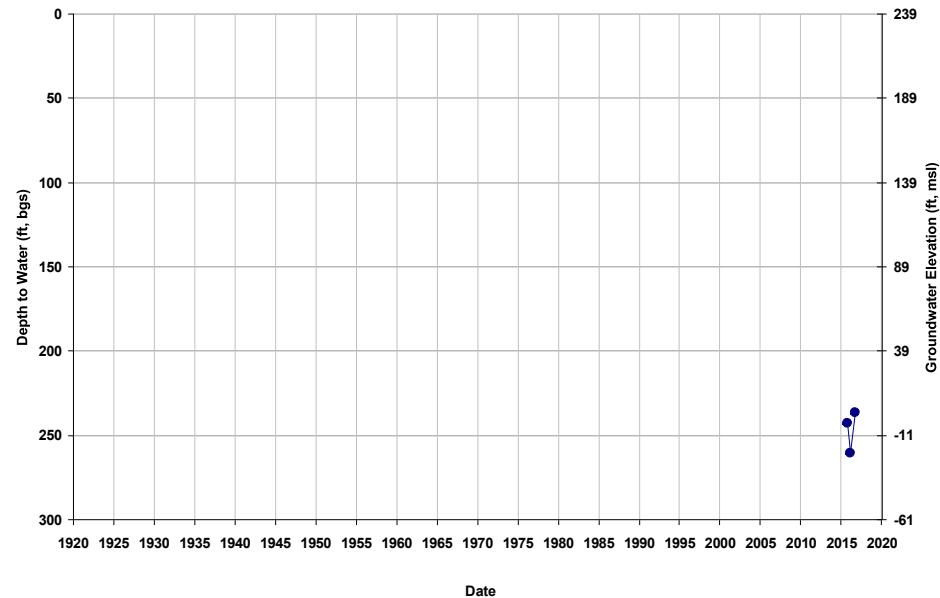
Well ID: 10S16E05C001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 236
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



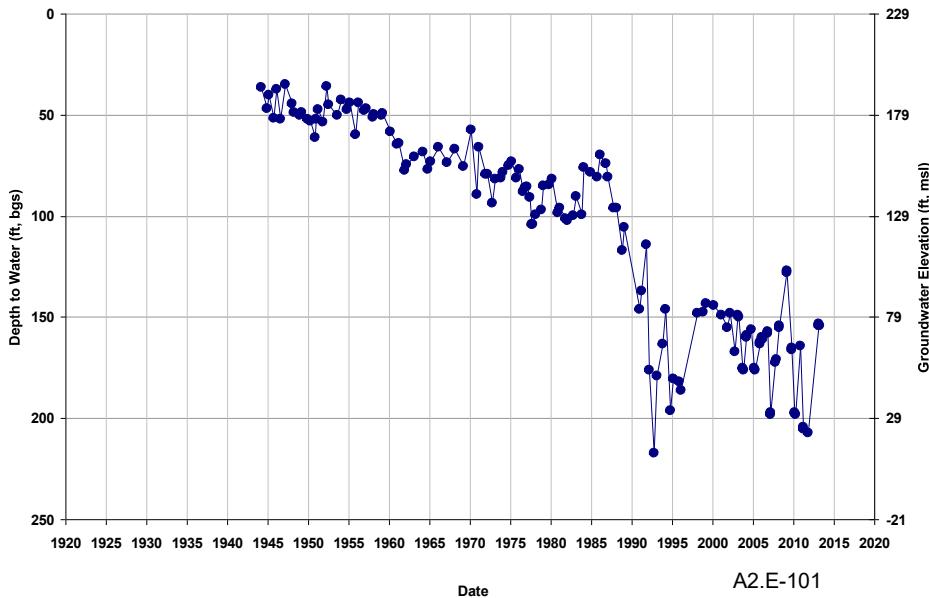
Well ID: 10S16E05M
Depth Zone: Lower; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 239
Total Depth (ft): 440
Perf Top (ft): 240
Perf Bottom (ft): 440



Well ID: 10S16E06R001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

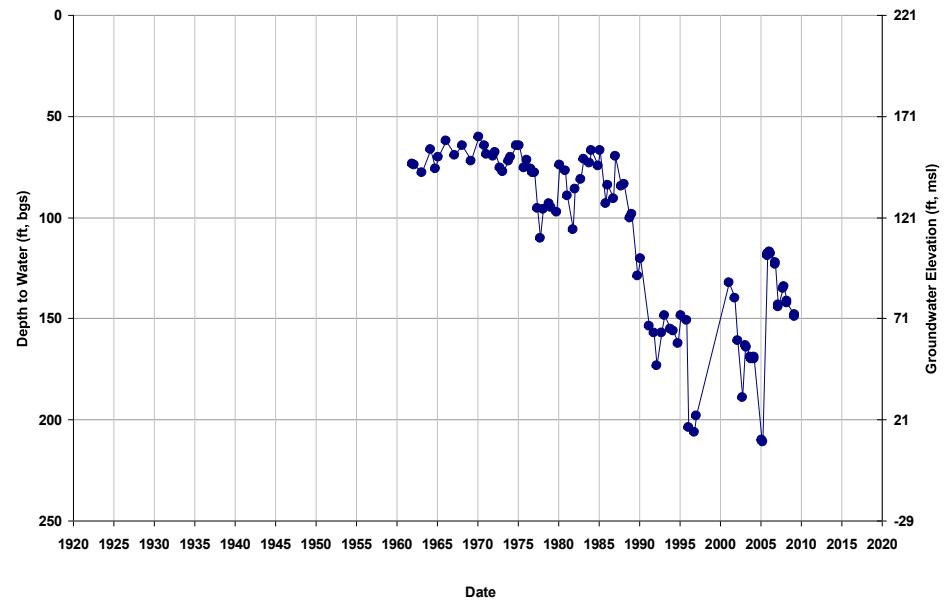
GSE (ft, msl): 229
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-101

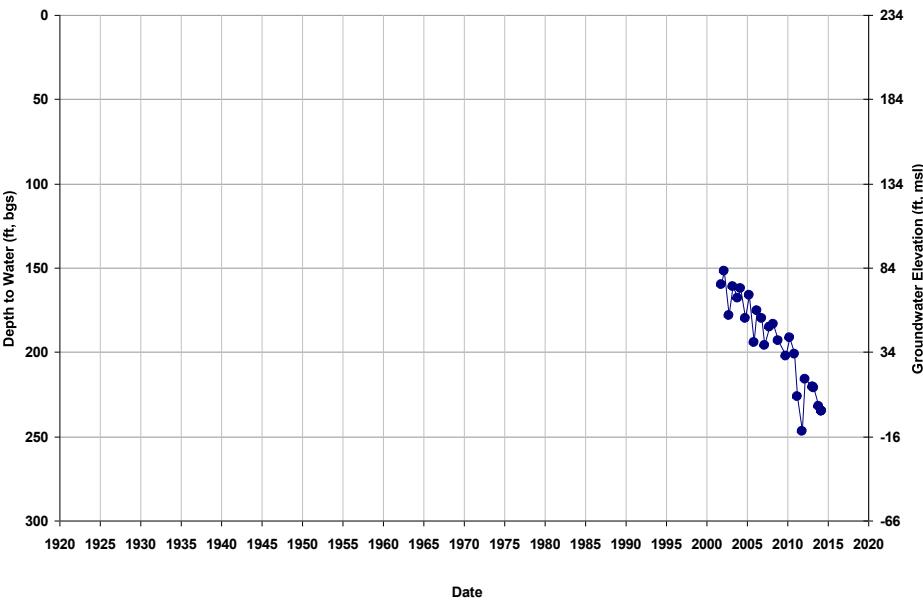
Well ID: 10S16E07K001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 221
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



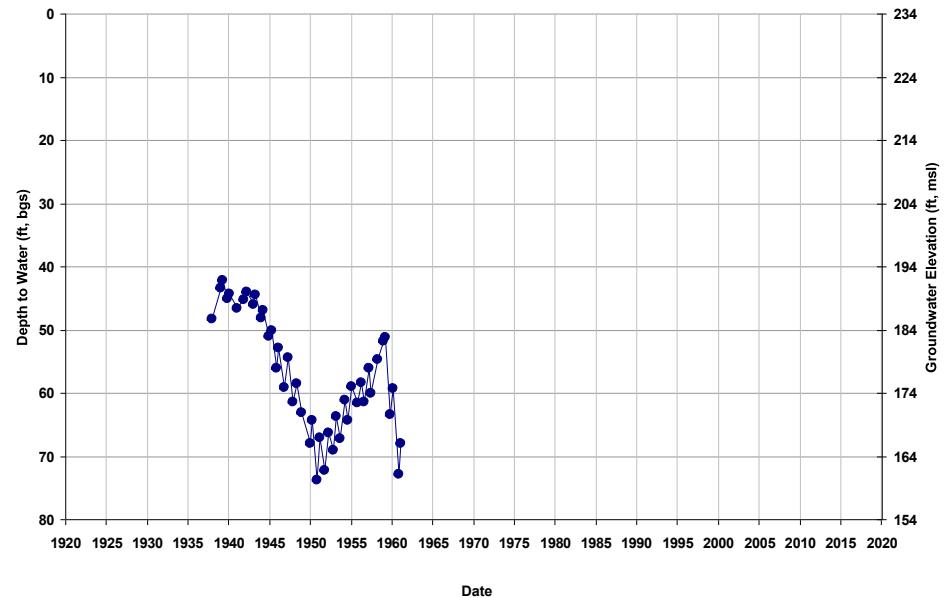
Well ID: 10S16E09E001M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

GSE (ft, msl): 234
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



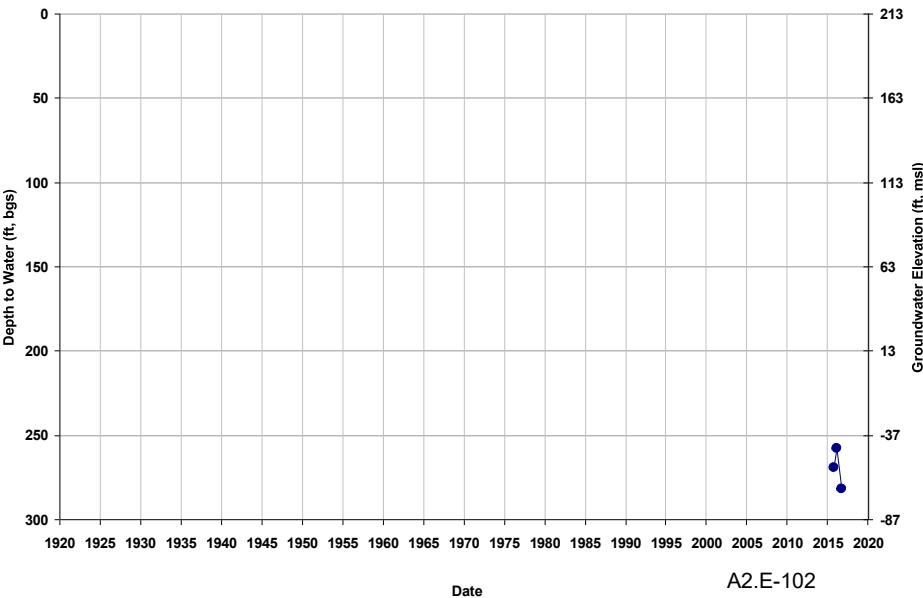
Well ID: 10S16E09E002M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

GSE (ft, msl): 233
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 10S16E09M
Depth Zone: Lower; Outside CC
Subbasin: Chowchilla

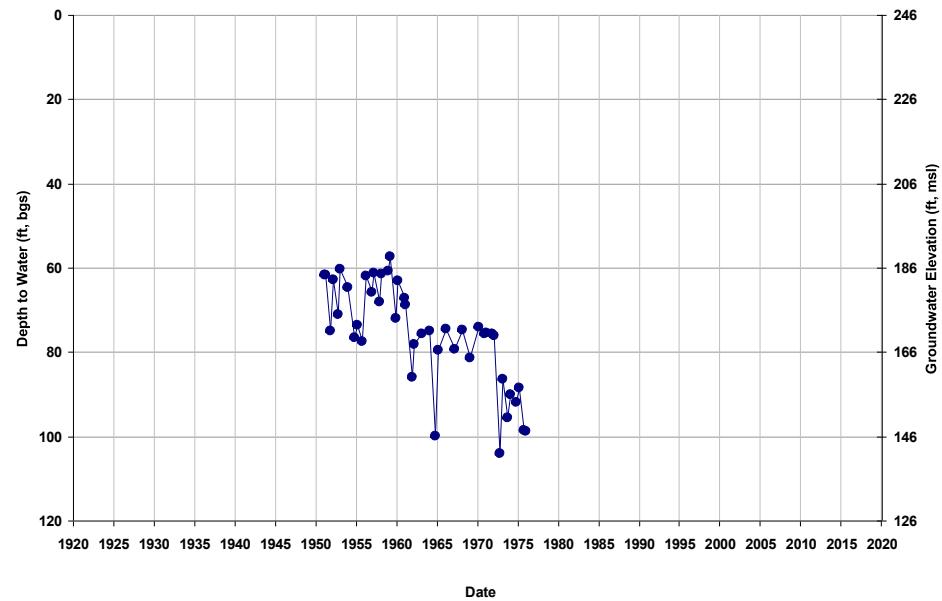
GSE (ft, msl): 213
Total Depth (ft): 955
Perf Top (ft): 290
Perf Bottom (ft): 935



A2.E-102

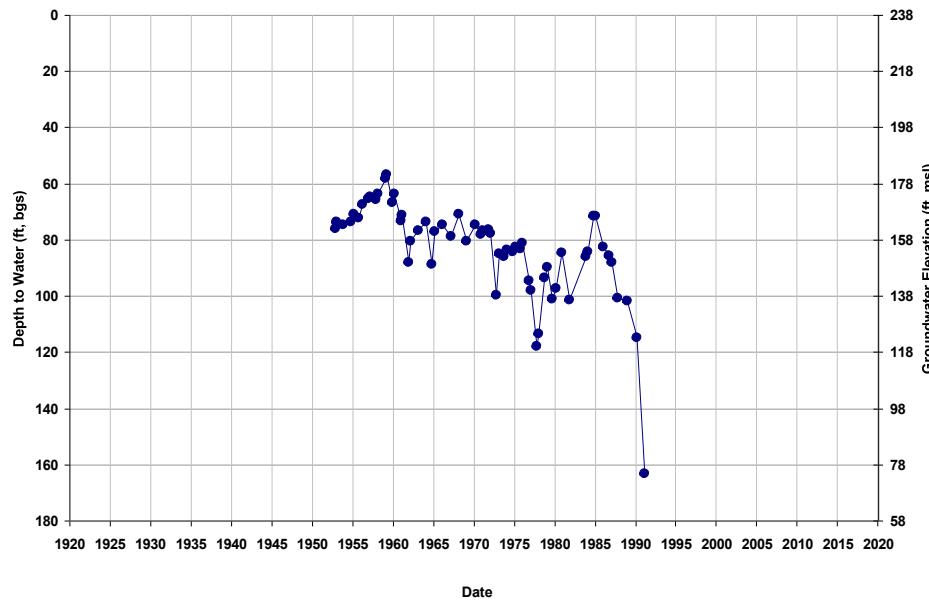
Well ID: 10S16E10C001M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

GSE (ft, msl): 246
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



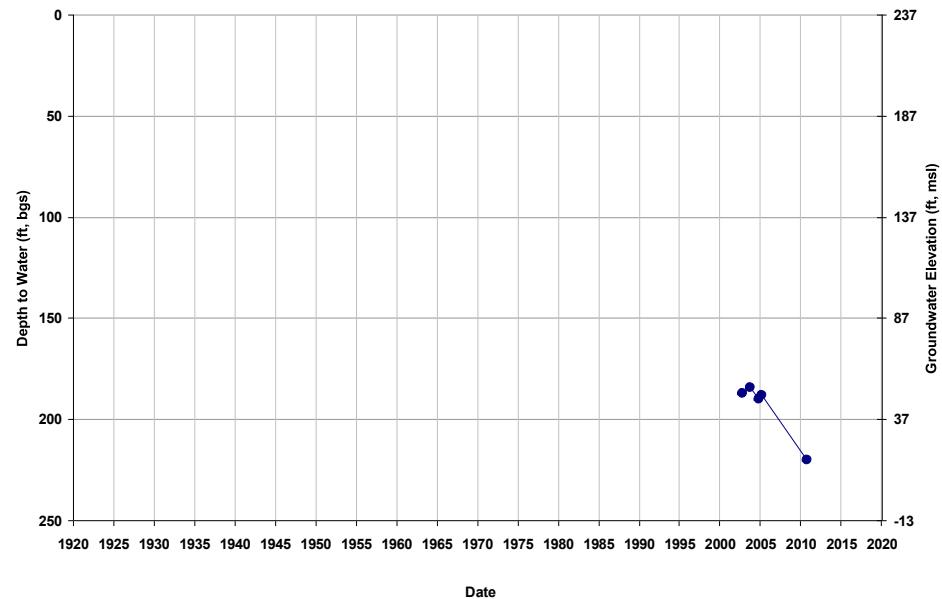
Well ID: 10S16E10N001M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

GSE (ft, msl): 238
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



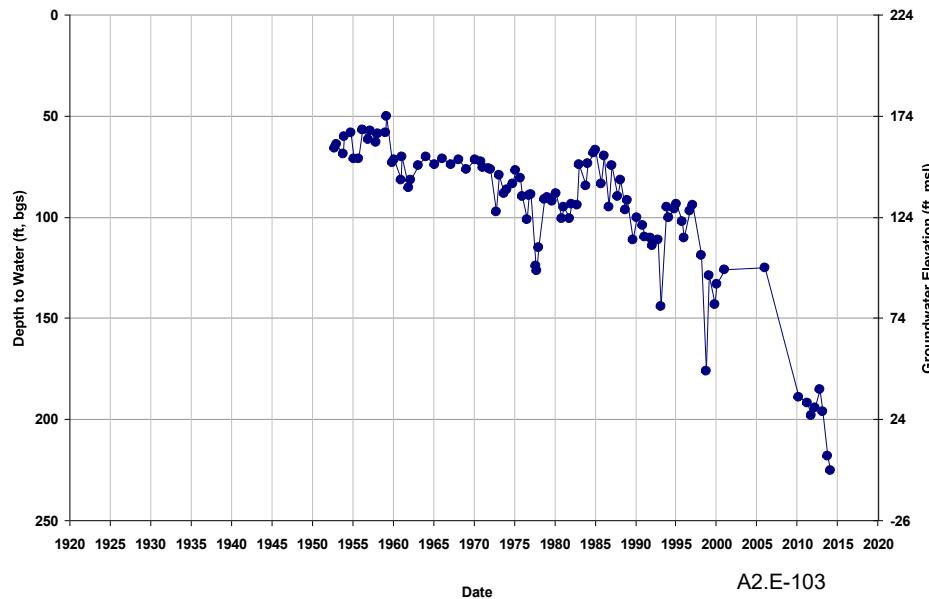
Well ID: 10S16E15F001M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

GSE (ft, msl): 237
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 10S16E17C001M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

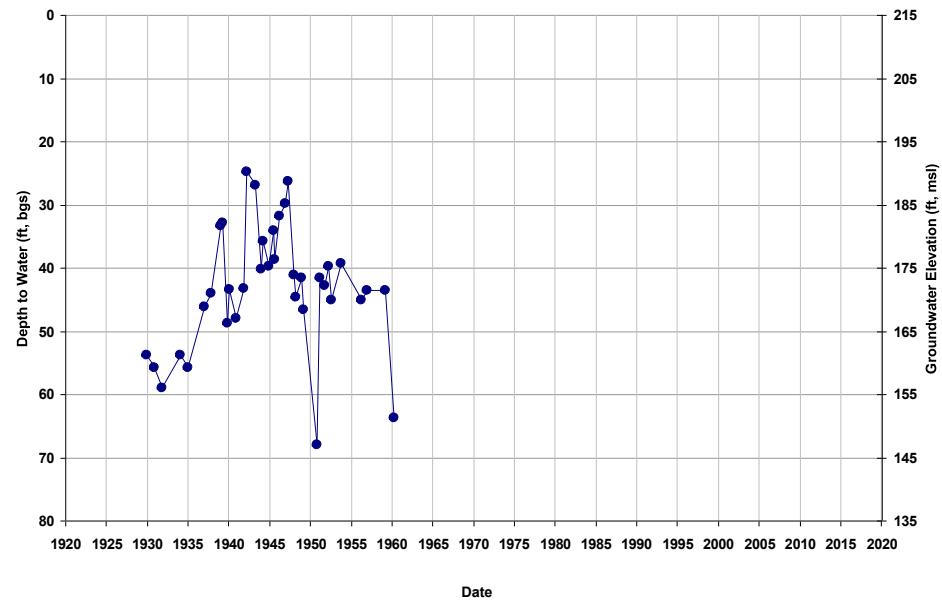
GSE (ft, msl): 224
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-103

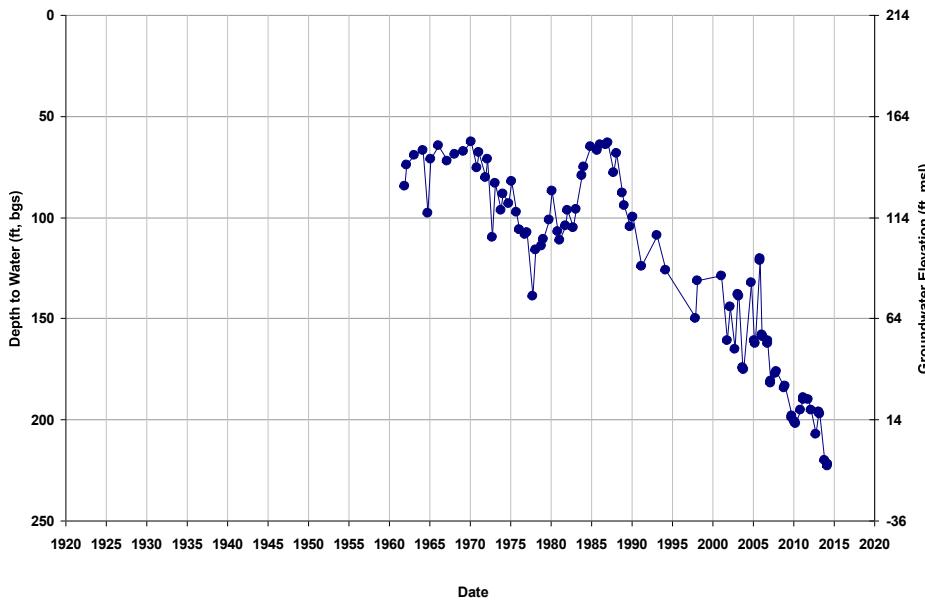
Well ID: 10S16E18D001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 214
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



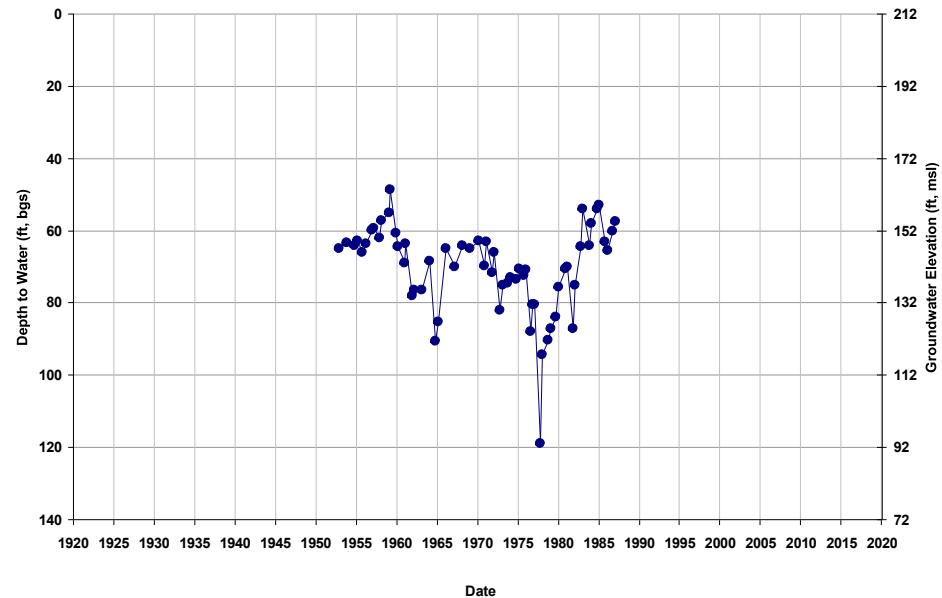
Well ID: 10S16E18D002M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 214
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



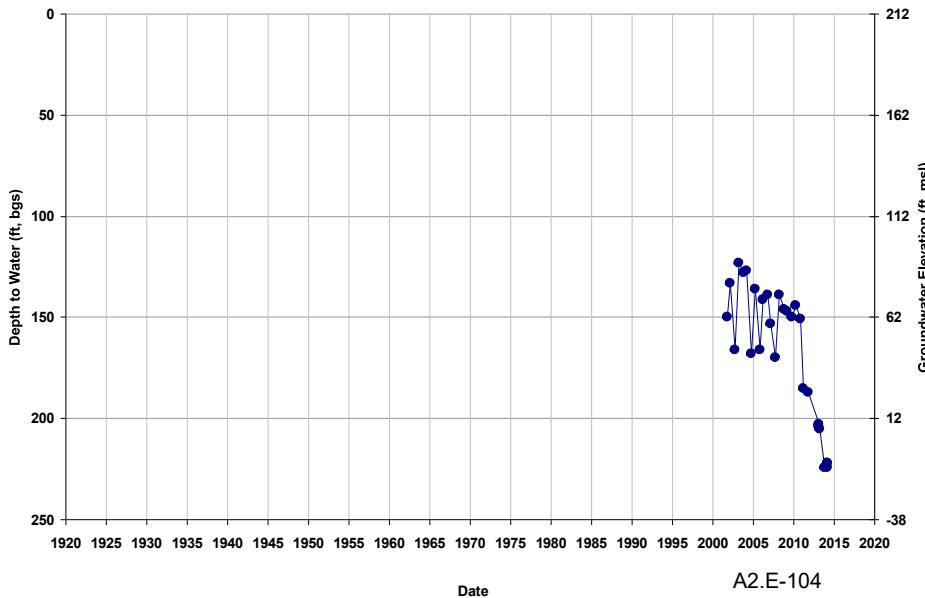
Well ID: 10S16E19A001M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

GSE (ft, msl): 212
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



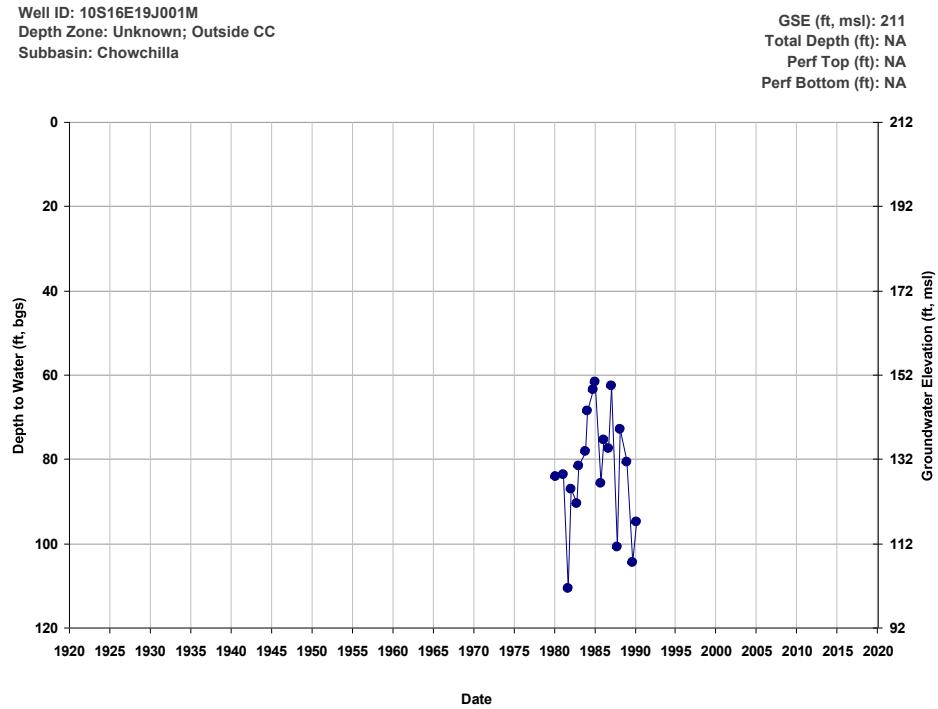
Well ID: 10S16E19A002M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

GSE (ft, msl): 212
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA

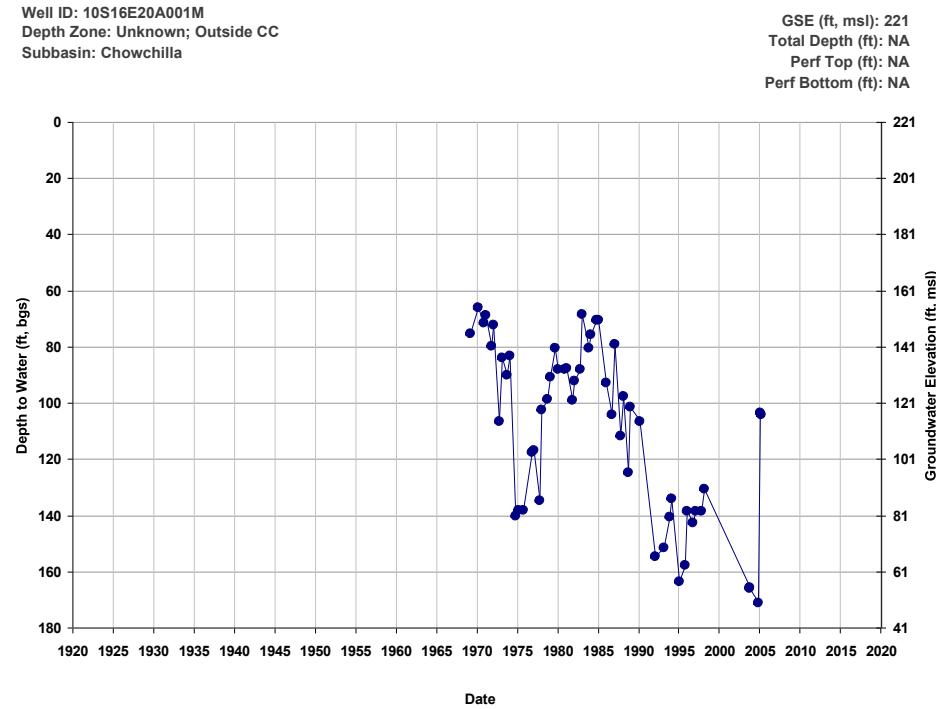


A2.E-104

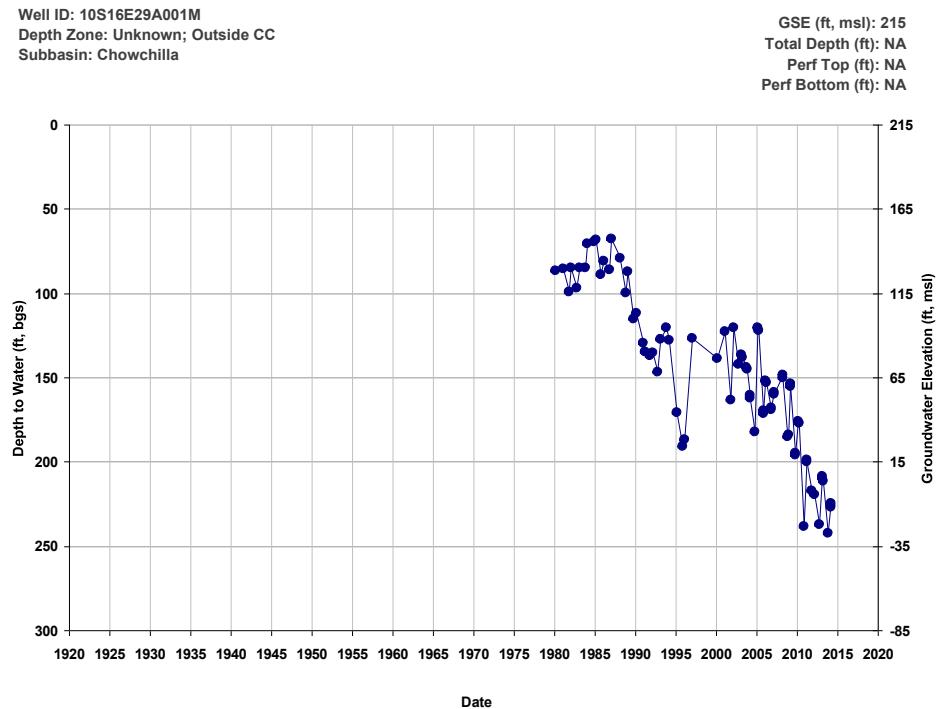
Well ID: 10S16E19J001M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla



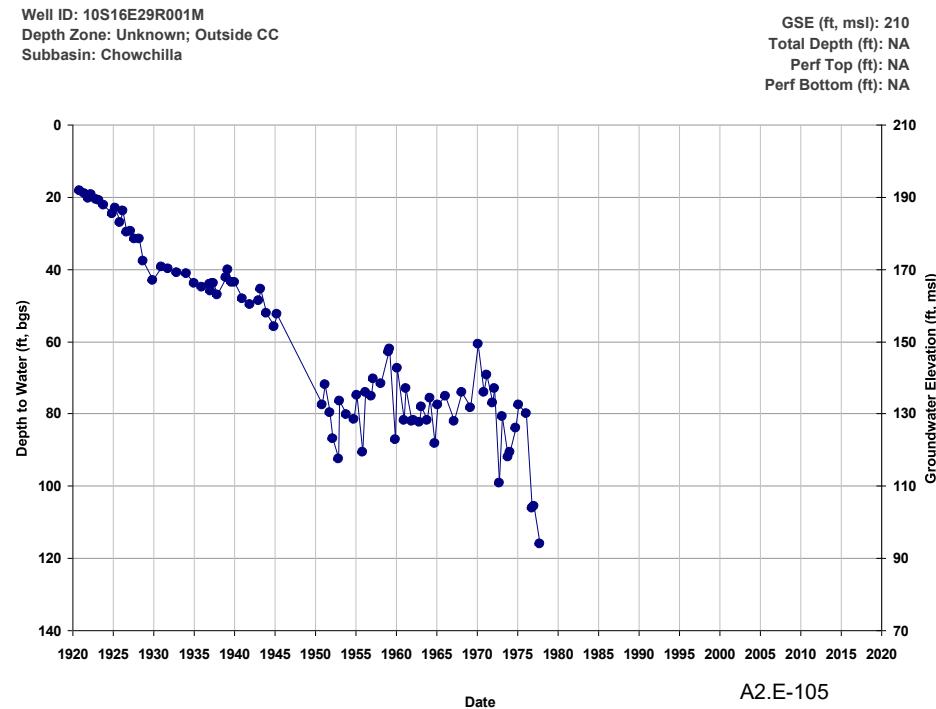
Well ID: 10S16E20A001M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla



Well ID: 10S16E29A001M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla



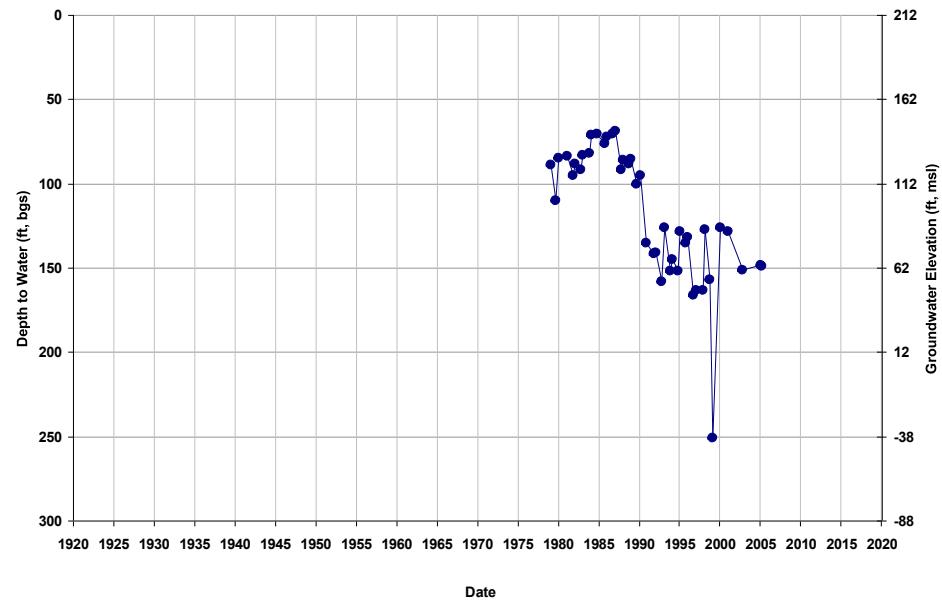
Well ID: 10S16E29R001M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla



A2.E-105

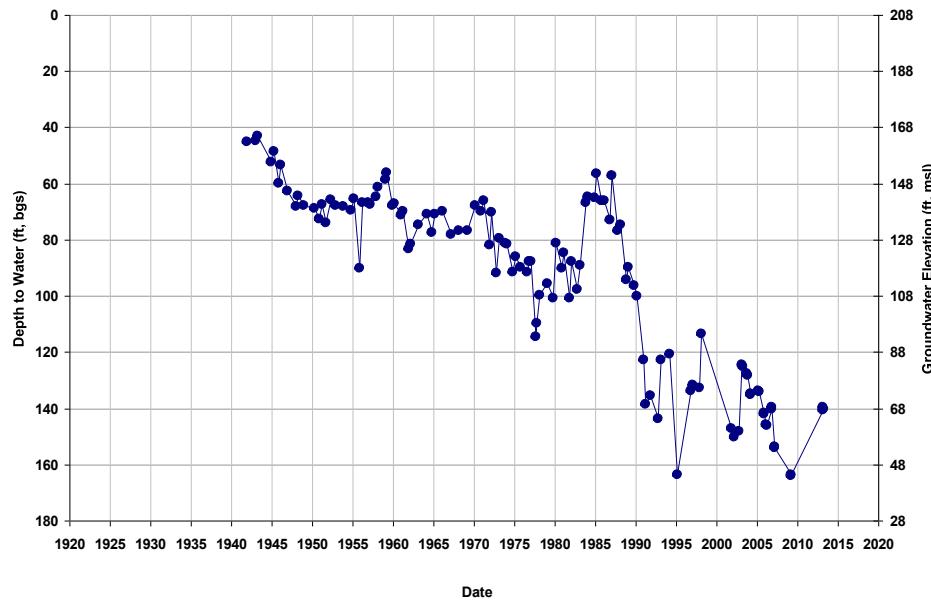
Well ID: 10S16E29R002M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

GSE (ft, msl): 211
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



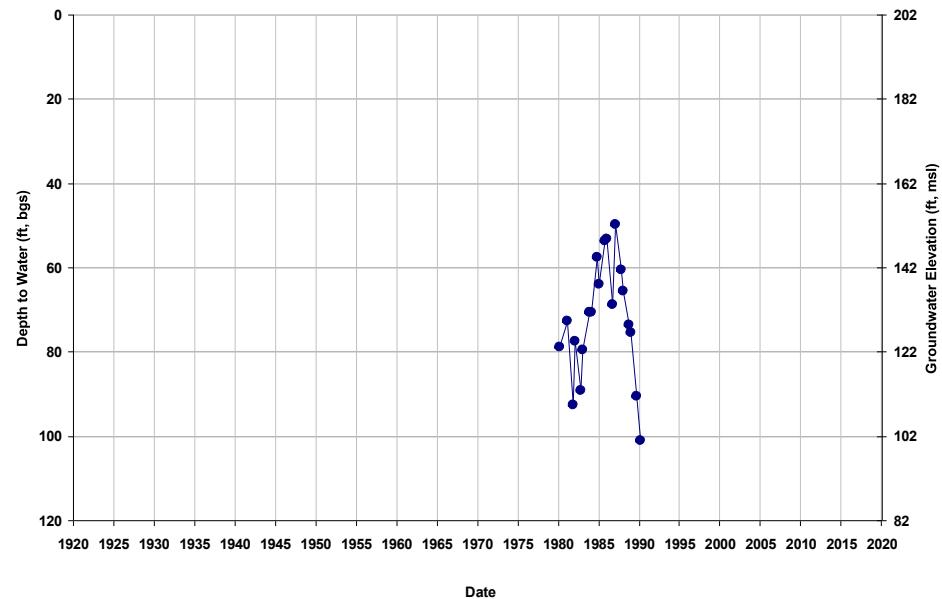
Well ID: 10S16E30A001M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

GSE (ft, msl): 208
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



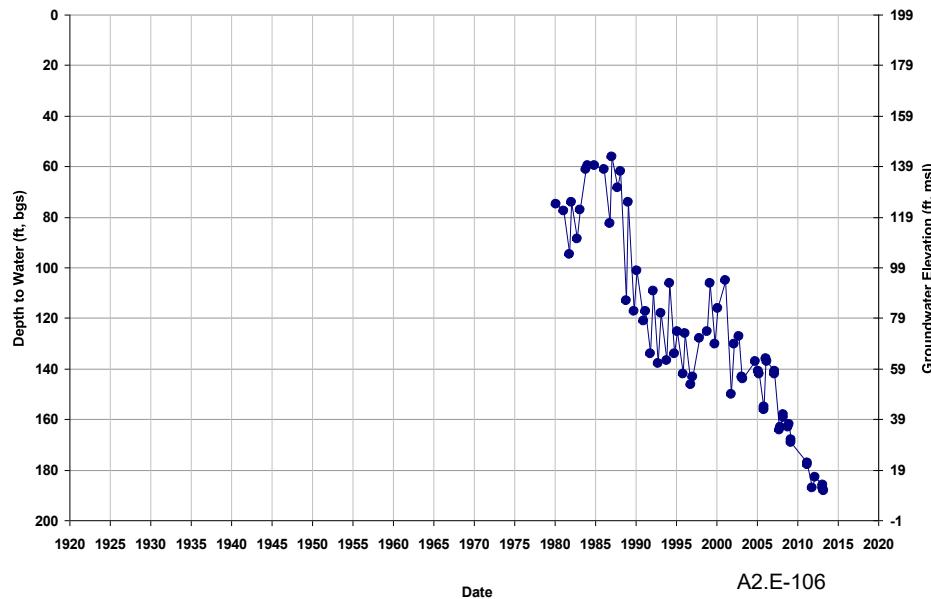
Well ID: 10S16E30D001M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

GSE (ft, msl): 202
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



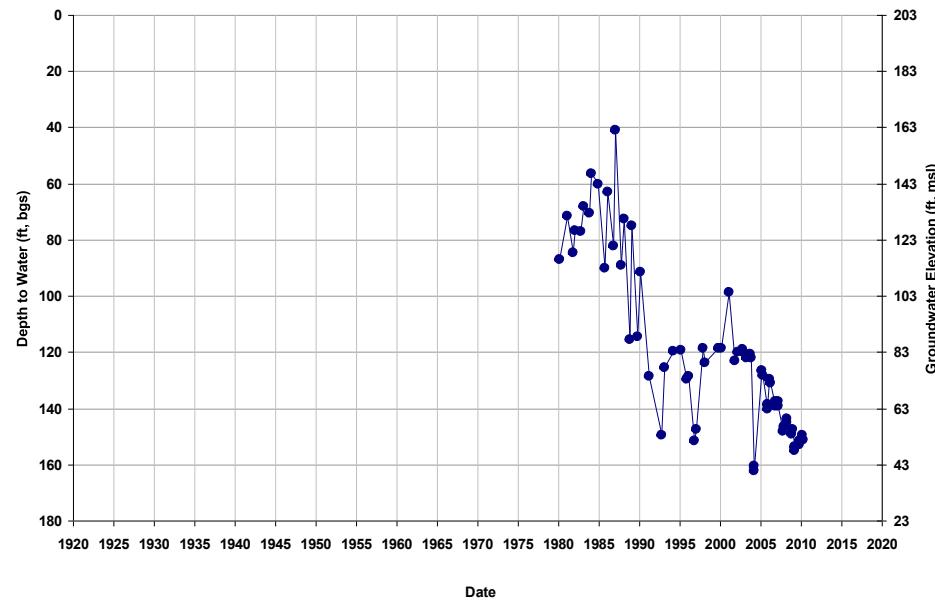
Well ID: 10S16E31J001M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

GSE (ft, msl): 198
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



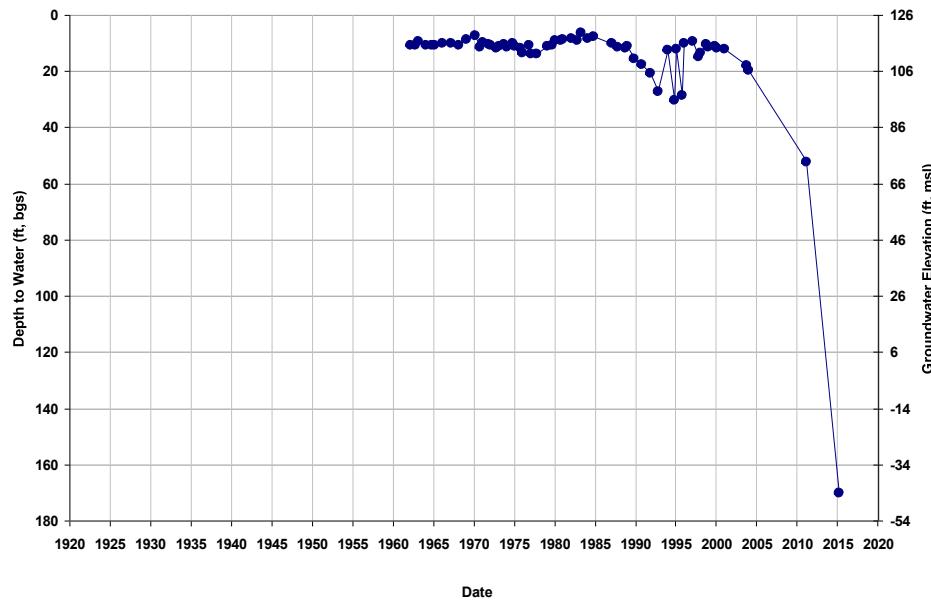
Well ID: 10S16E32D002M
Depth Zone: Unknown; Outside CC
Subbasin: Chowchilla

GSE (ft, msl): 203
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



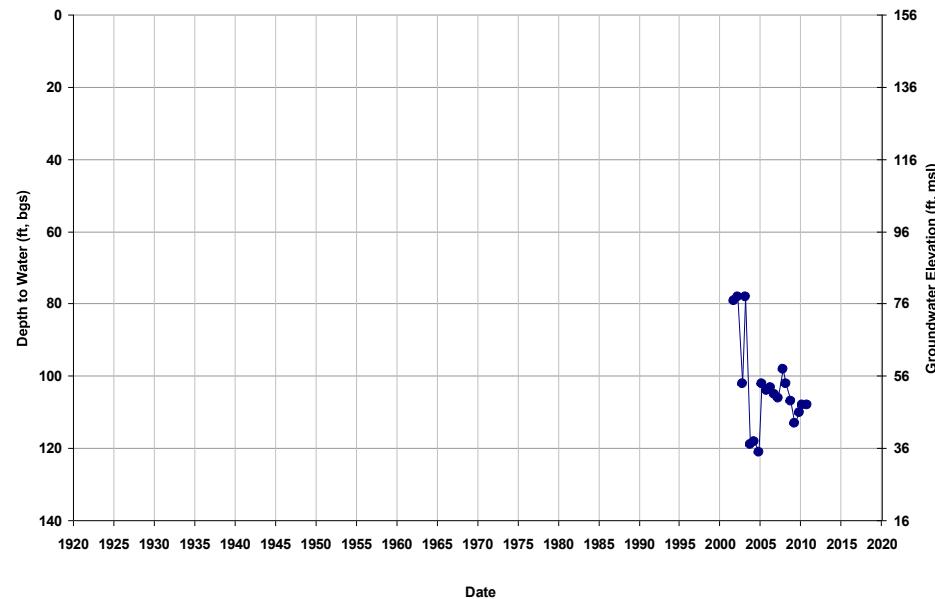
Well ID: 11S13E01Q001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 126
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



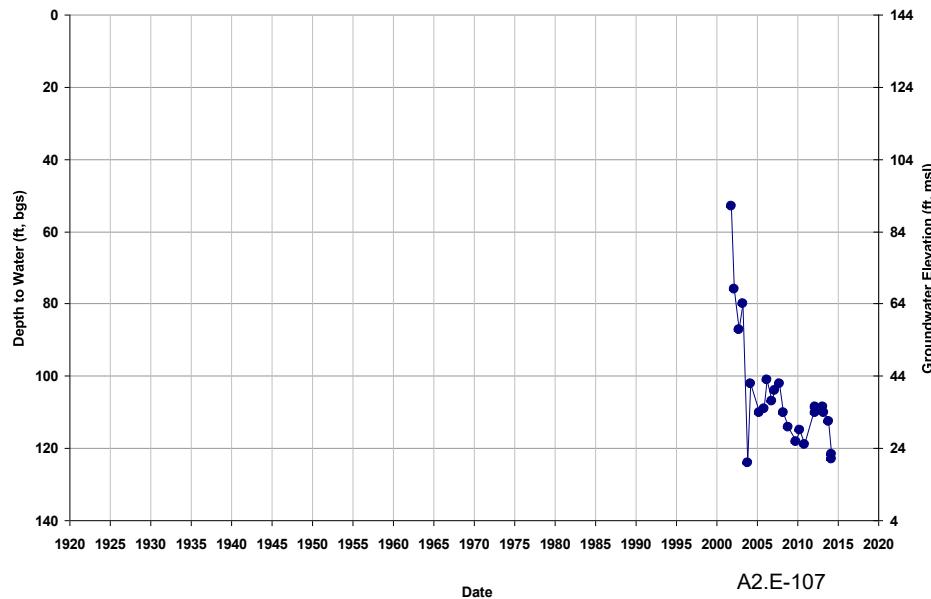
Well ID: 11S14E01R001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 156
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 11S14E03G001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

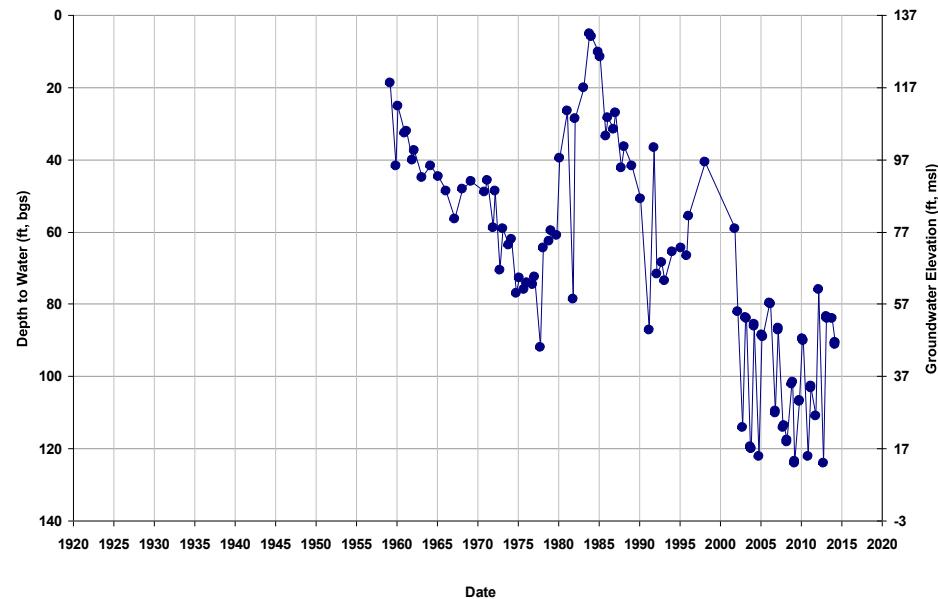
GSE (ft, msl): 144
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-107

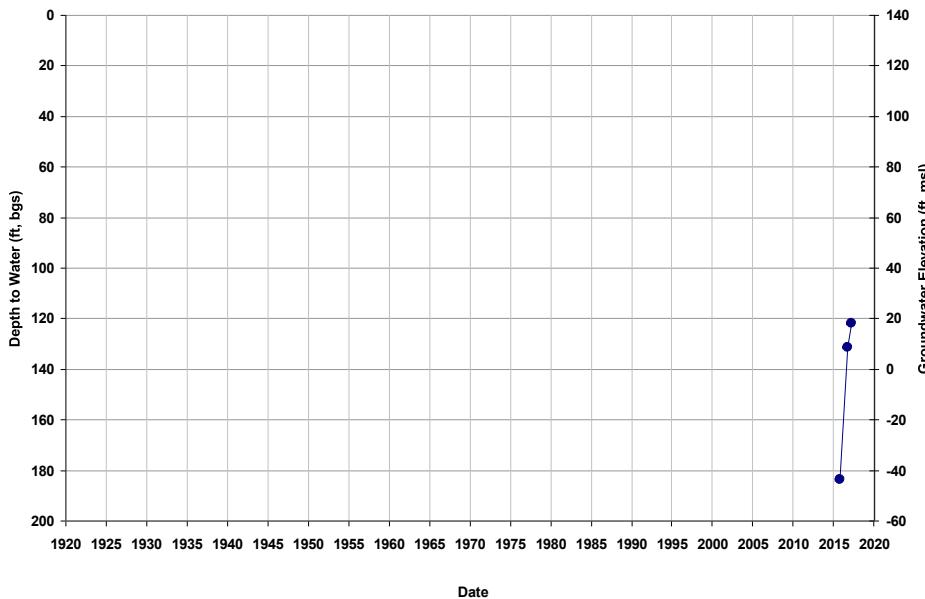
Well ID: 11S14E04C001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 137
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



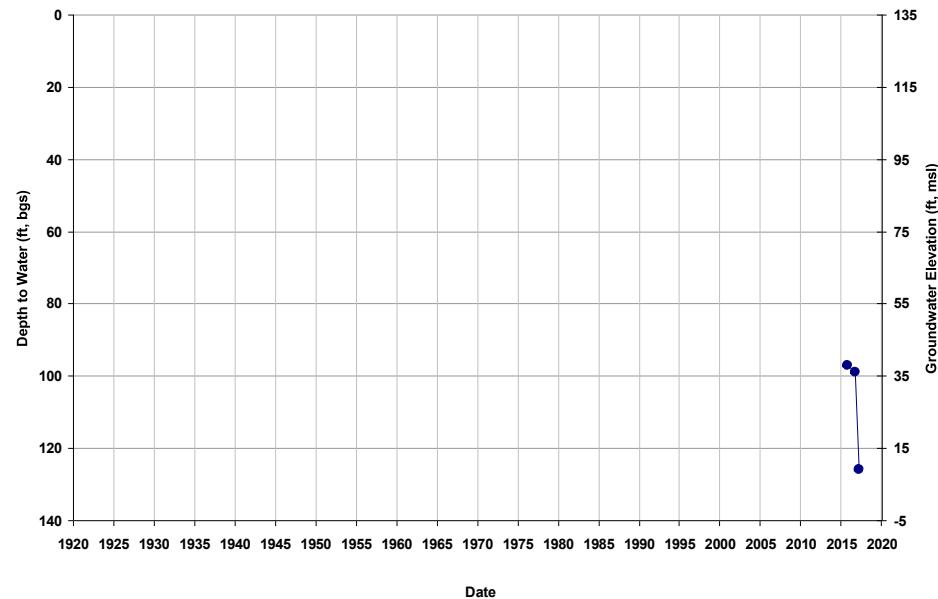
Well ID: 11S14E04J001M
Depth Zone: Composite or Lower; Wi
Subbasin: Chowchilla

GSE (ft, msl): 140
Total Depth (ft): 900
Perf Top (ft): NA
Perf Bottom (ft): NA



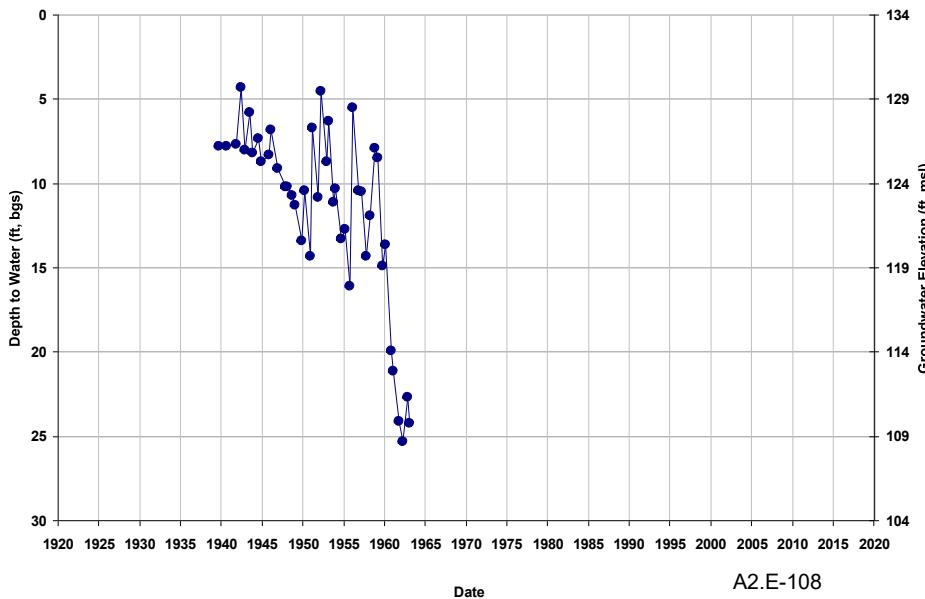
Well ID: 11S14E05J001M
Depth Zone: Lower; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 135
Total Depth (ft): 500
Perf Top (ft): 300
Perf Bottom (ft): 500



Well ID: 11S14E05P001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

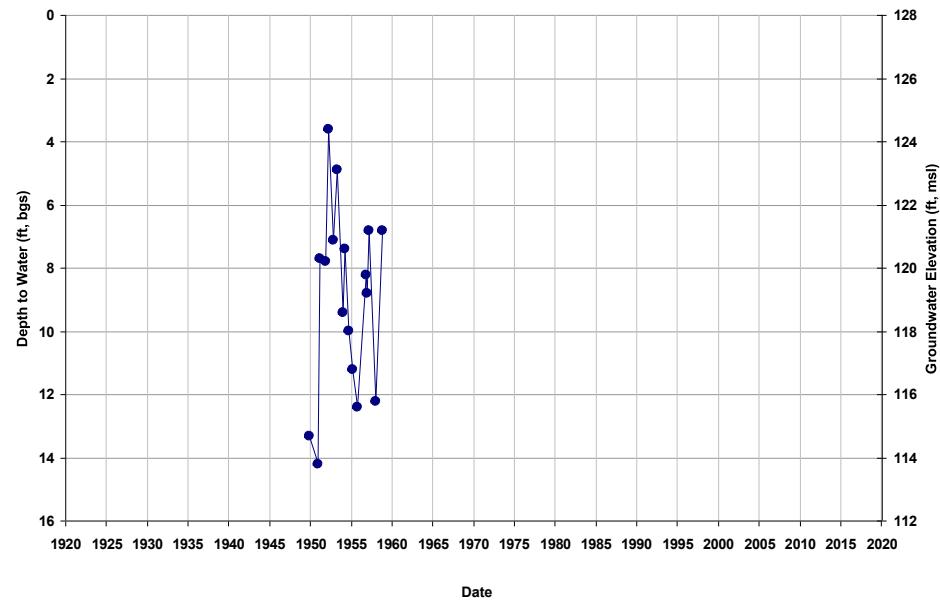
GSE (ft, msl): 134
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-108

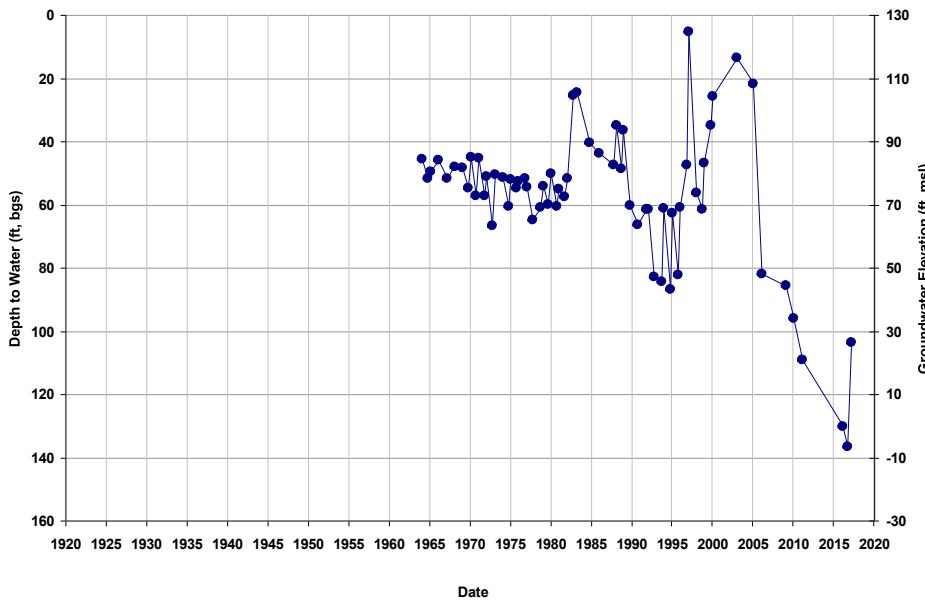
Well ID: 11S14E06M001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 128
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



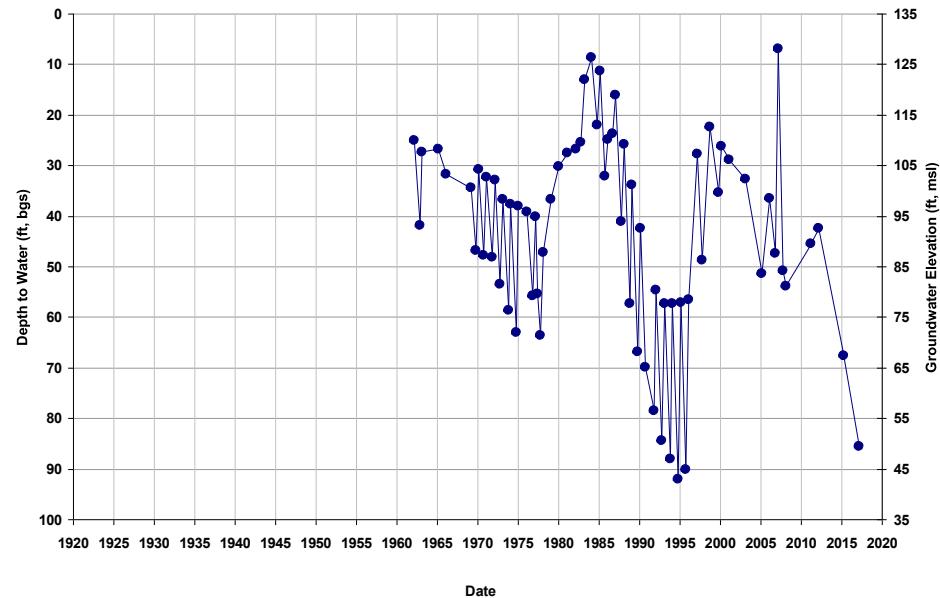
Well ID: 11S14E07N001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 129
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



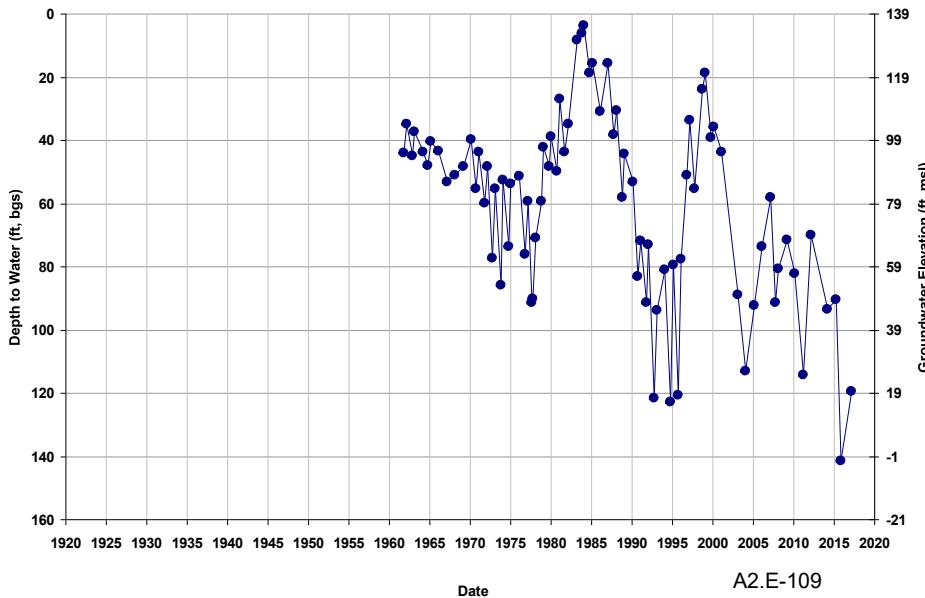
Well ID: 11S14E08R001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 134
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 11S14E09A003M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

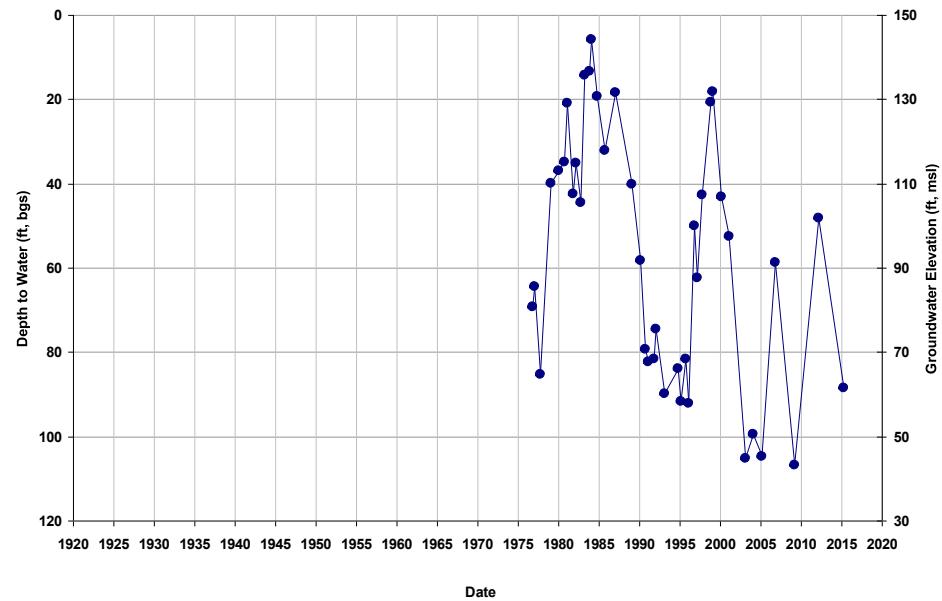
GSE (ft, msl): 138
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-109

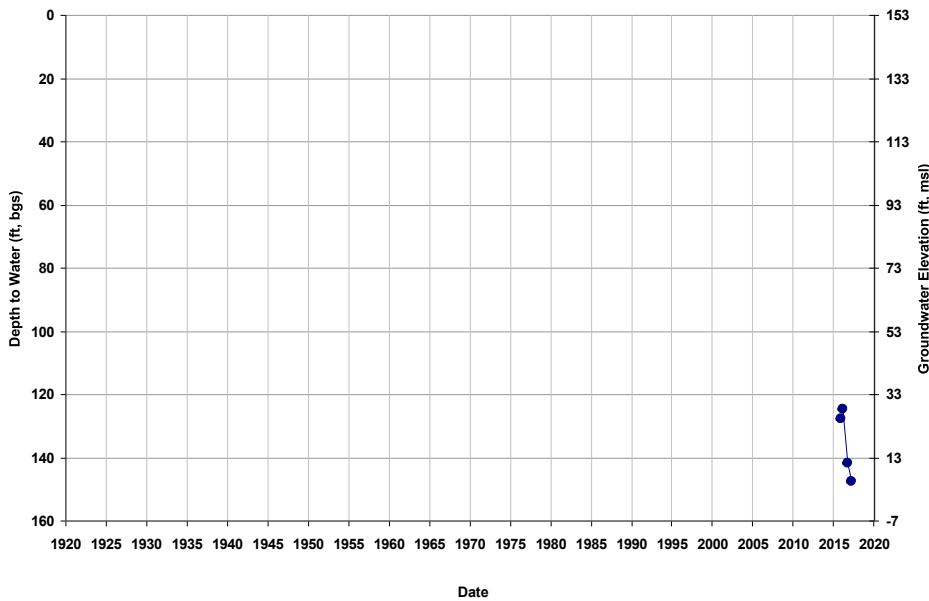
Well ID: 11S14E12E001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 150
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



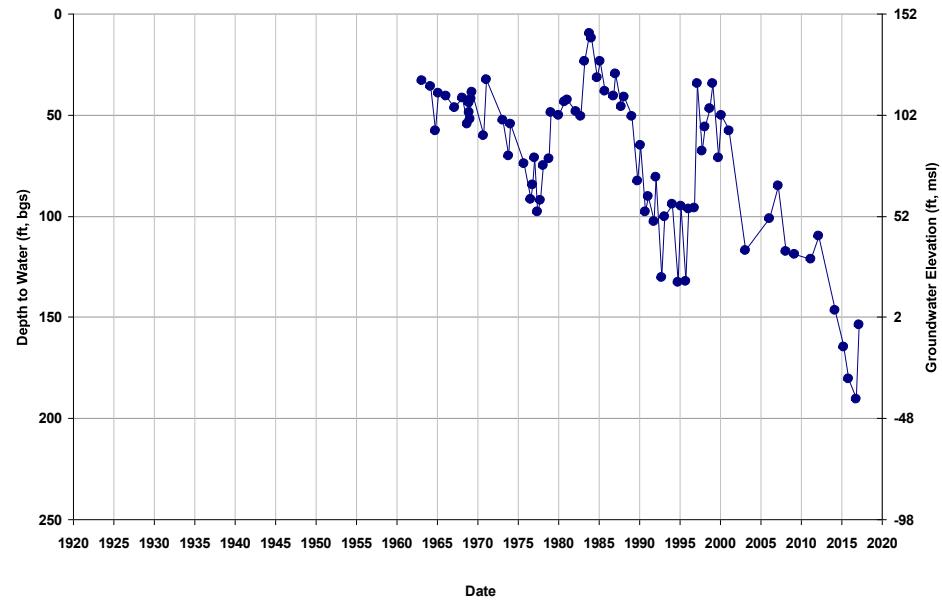
Well ID: 11S14E12H1
Depth Zone: Composite or Lower; Wi
Subbasin: Chowchilla

GSE (ft, msl): 153
Total Depth (ft): 420
Perf Top (ft): NA
Perf Bottom (ft): NA



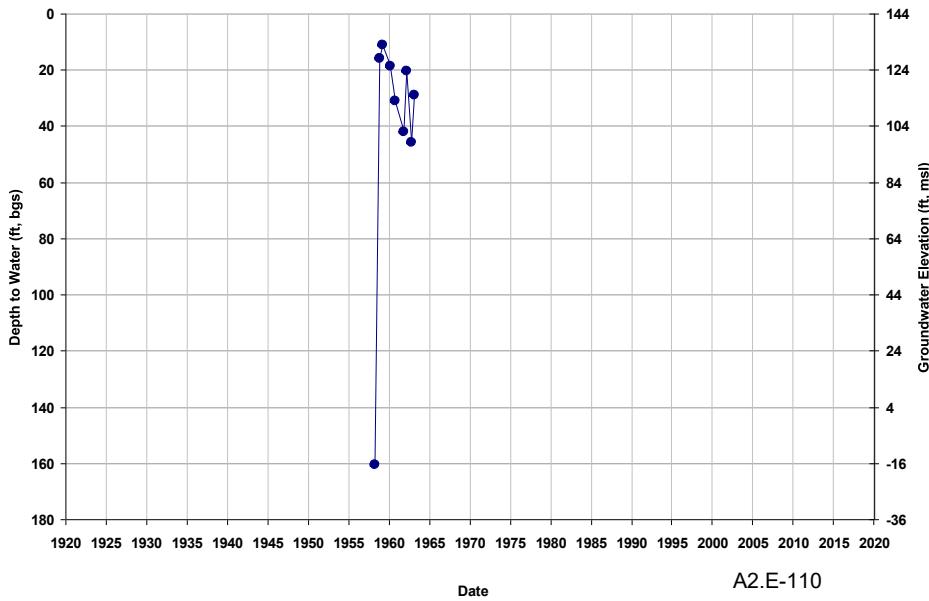
Well ID: 11S14E13R001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 152
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 11S14E14Q001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

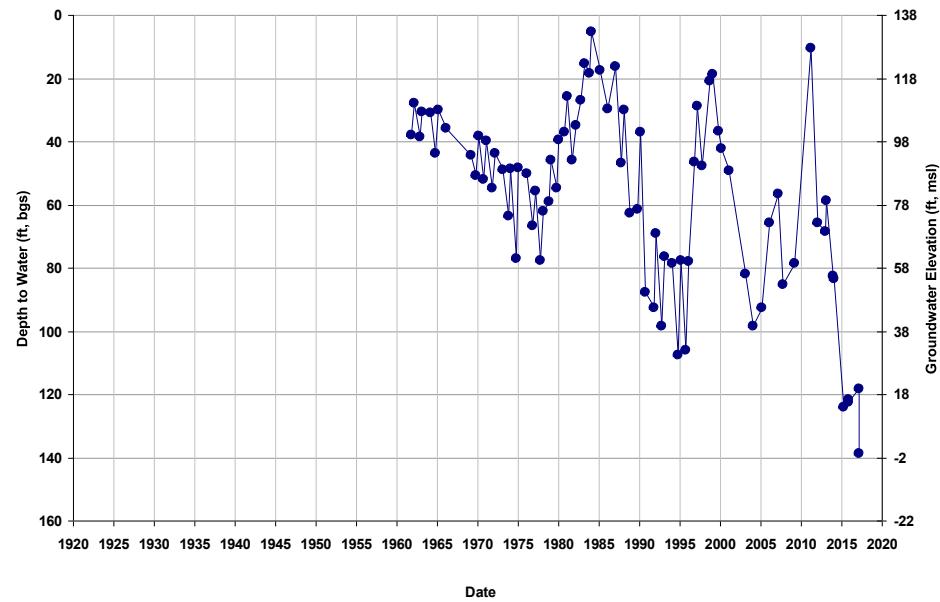
GSE (ft, msl): 144
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-110

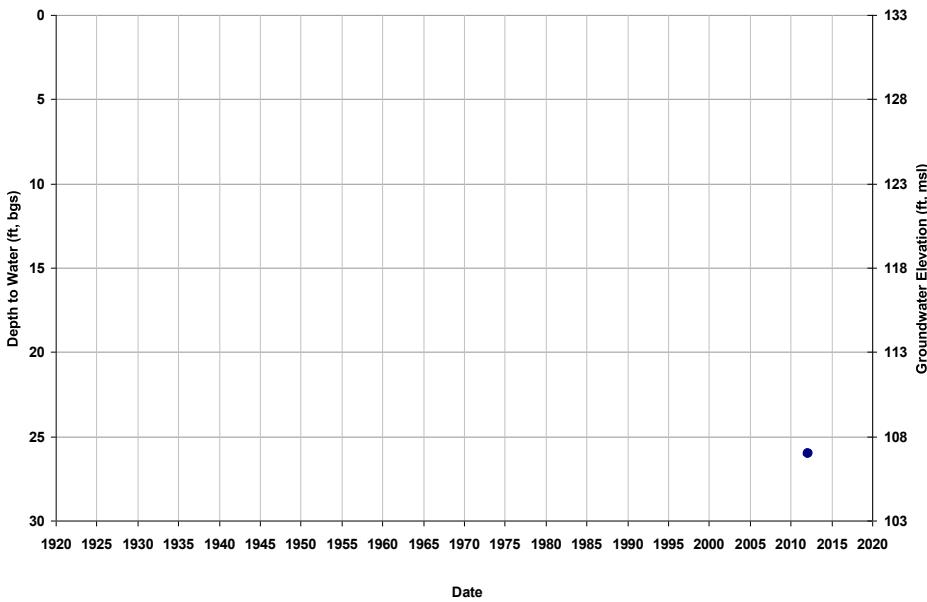
Well ID: 11S14E16A001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 138
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



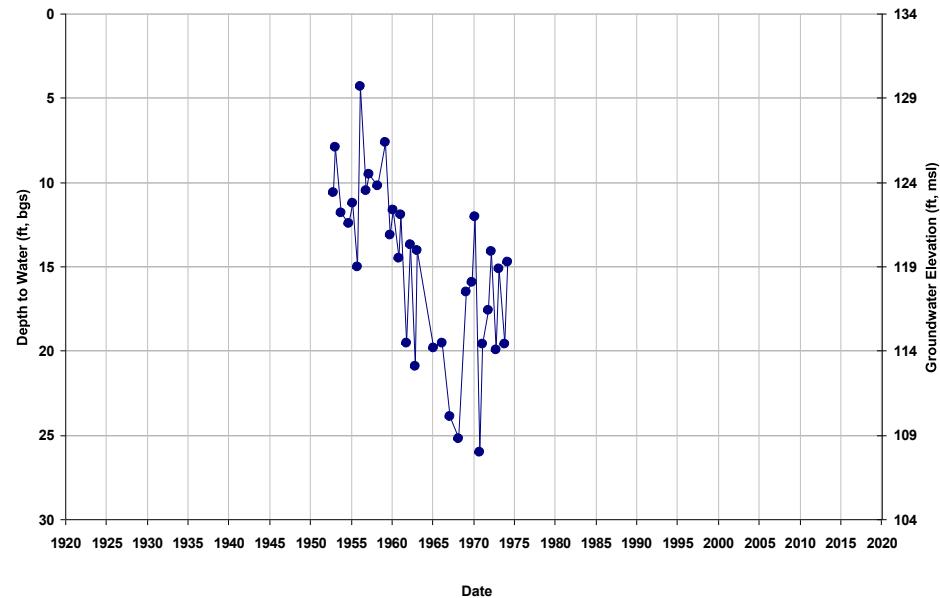
Well ID: 11S14E17J001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 132
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



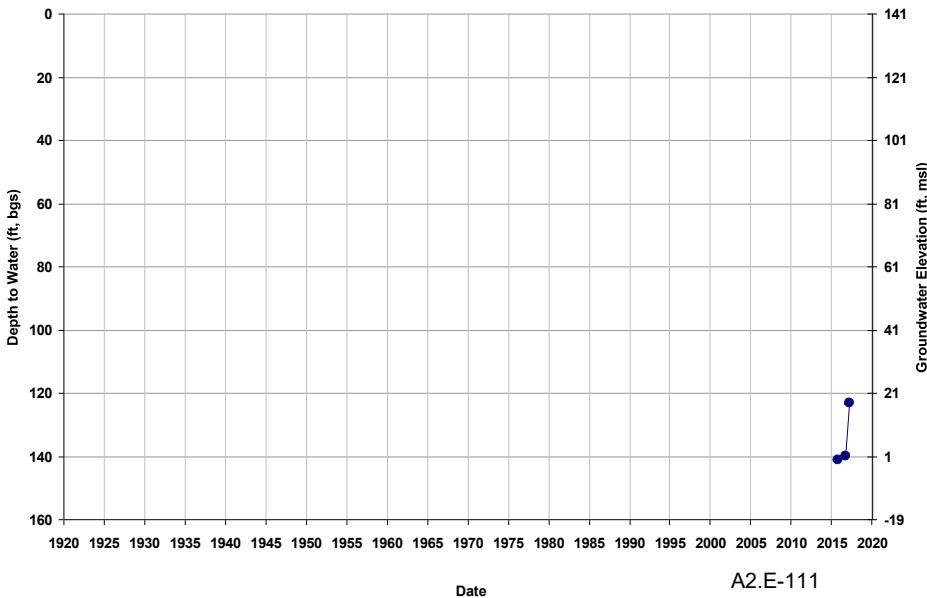
Well ID: 11S14E21N001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 134
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 11S14E22F001M
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

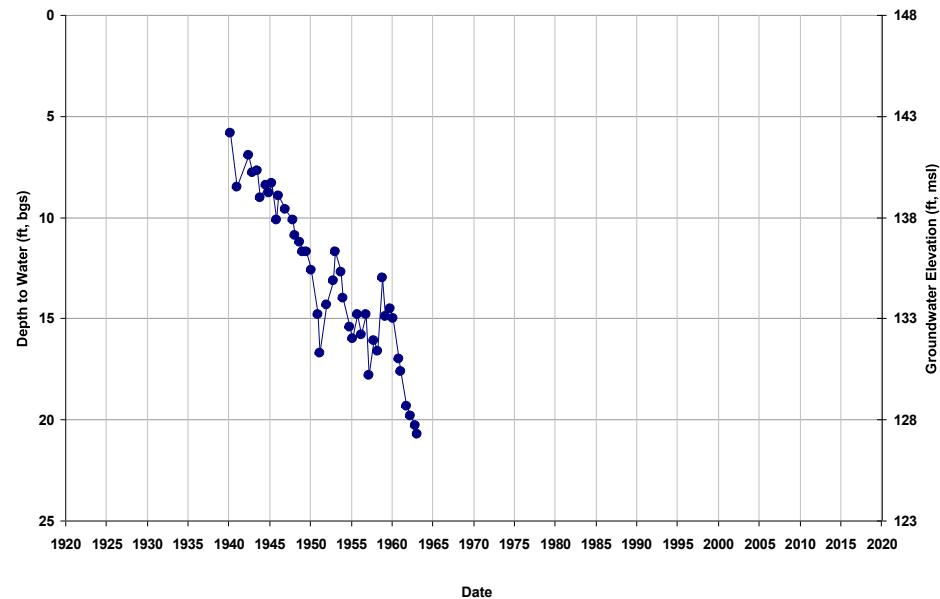
GSE (ft, msl): 141
Total Depth (ft): 840
Perf Top (ft): 190
Perf Bottom (ft): 260



A2.E-111

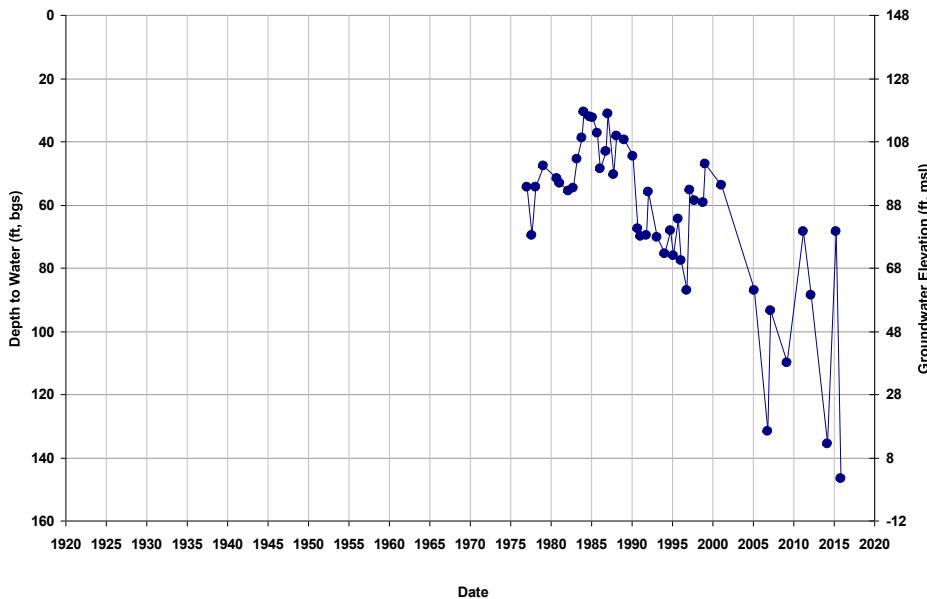
Well ID: 11S14E25L001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 147
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



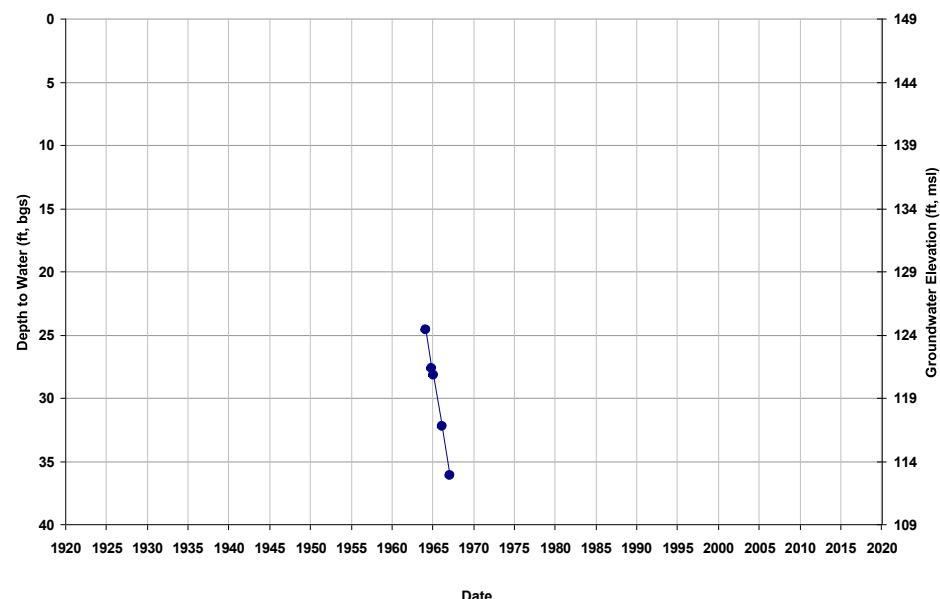
Well ID: 11S14E25L002M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 148
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



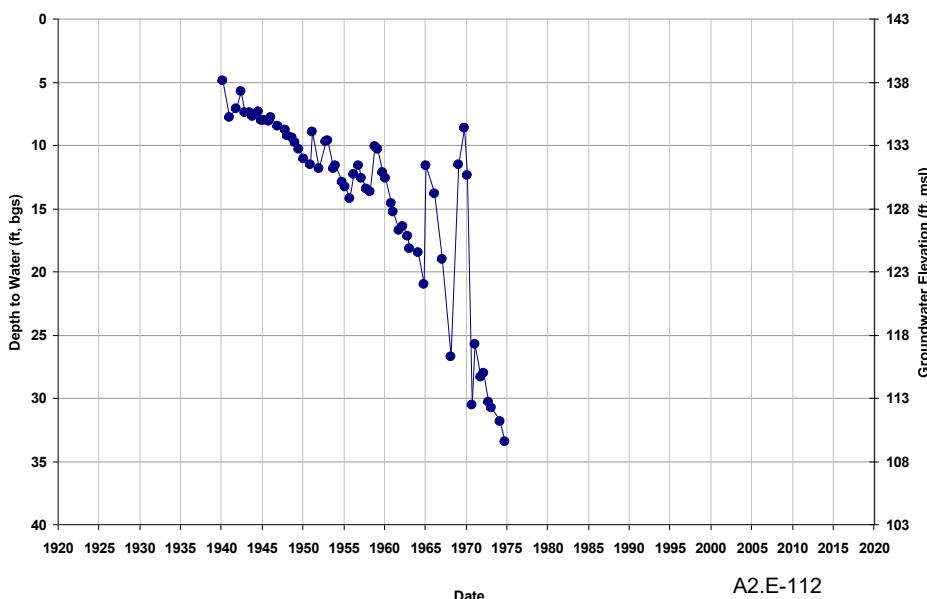
Well ID: 11S14E25R001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 149
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 11S14E26L001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

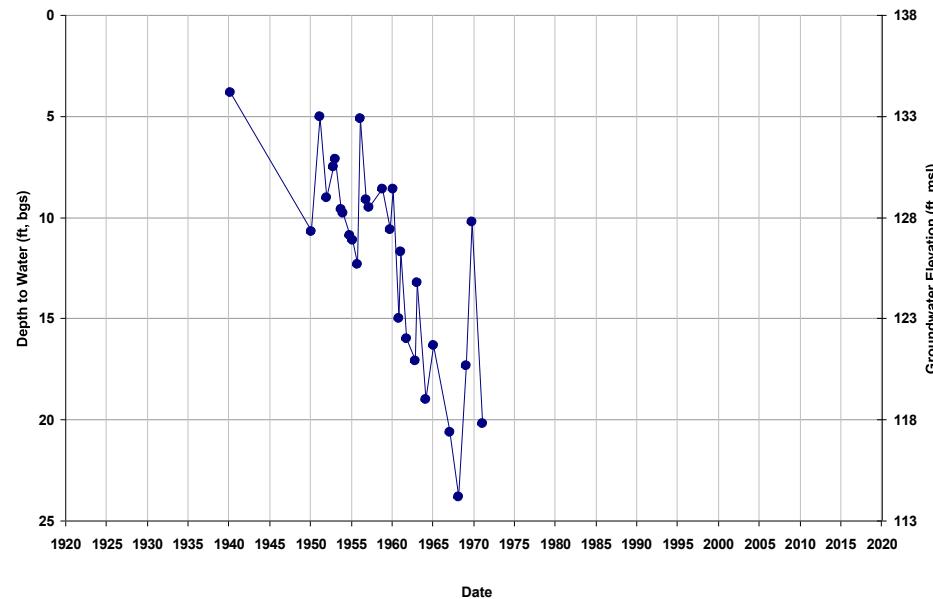
GSE (ft, msl): 143
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-112

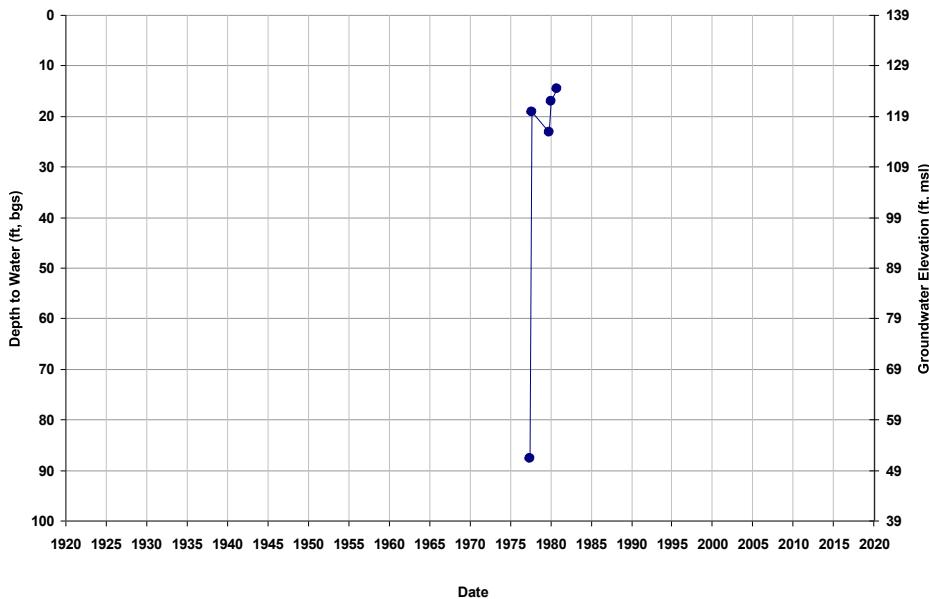
Well ID: 11S14E27F001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 138
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



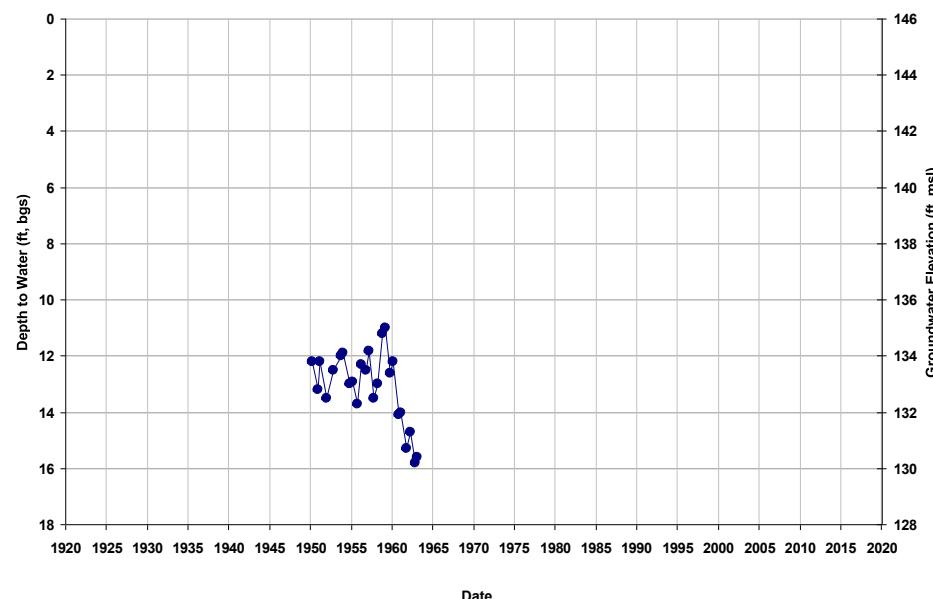
Well ID: 11S14E33P001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 139
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



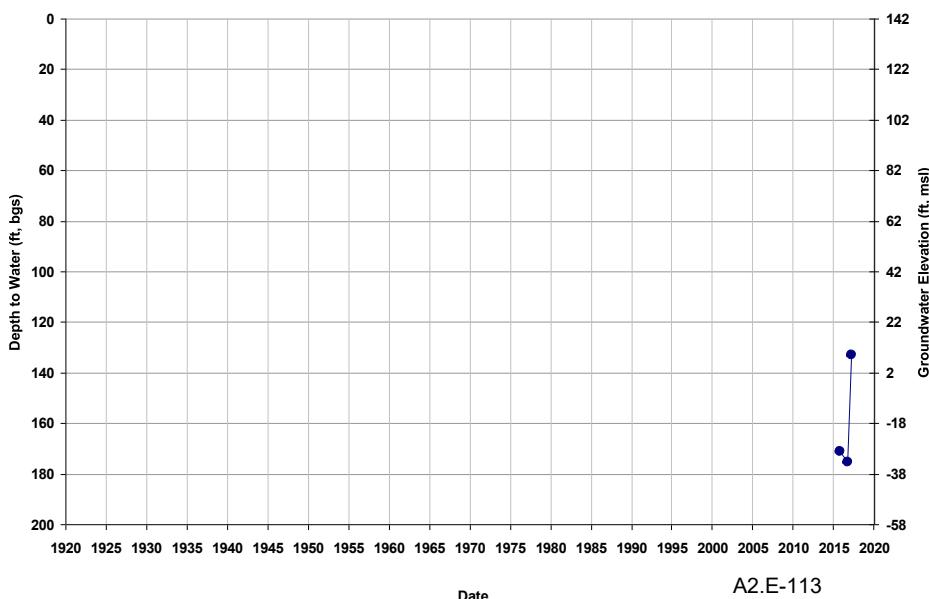
Well ID: 11S14E35Q001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 146
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 11S15E01F
Depth Zone: Composite; Within CC
Subbasin: Chowchilla

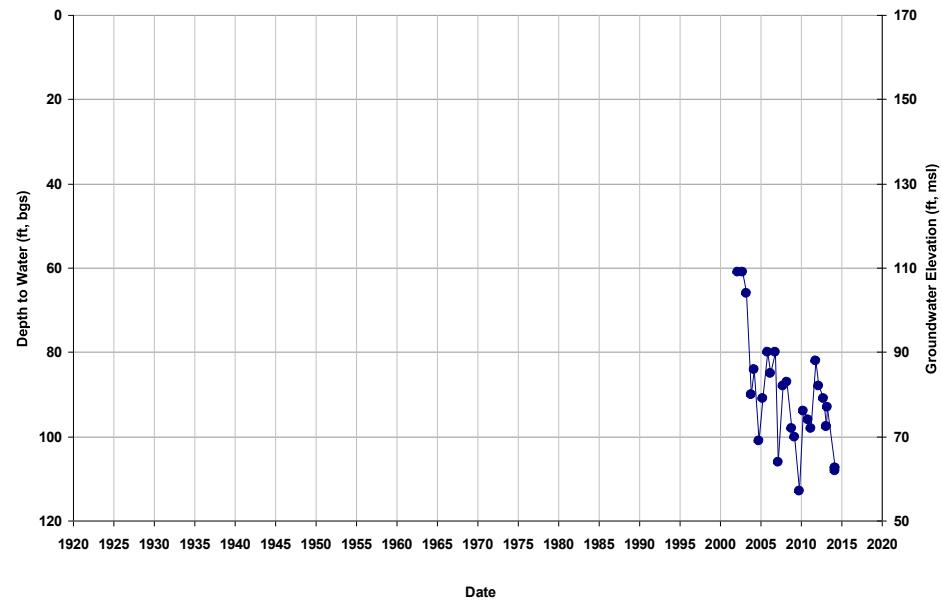
GSE (ft, msl): 142
Total Depth (ft): 480
Perf Top (ft): 160
Perf Bottom (ft): 475



A2.E-113

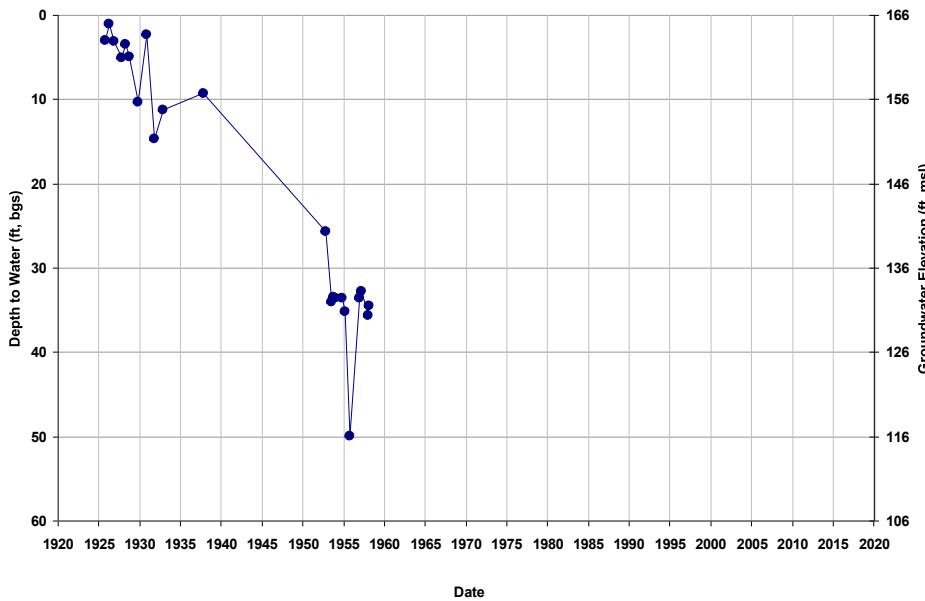
Well ID: 11S15E04H001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 170
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 11S15E04P001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 165
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



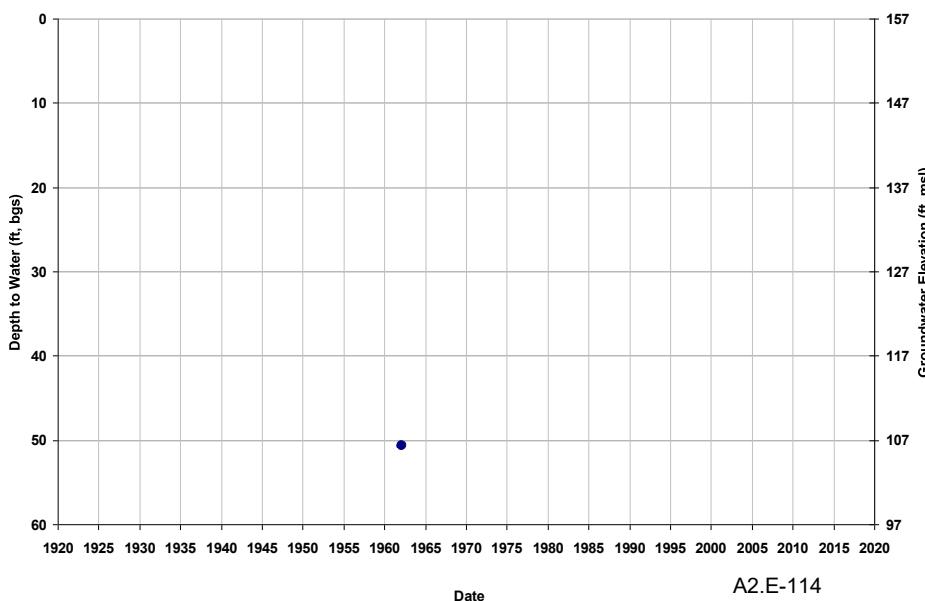
Well ID: 11S15E06L
Depth Zone: Composite; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 151
Total Depth (ft): 390
Perf Top (ft): 120
Perf Bottom (ft): 390



Well ID: 11S15E07K001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

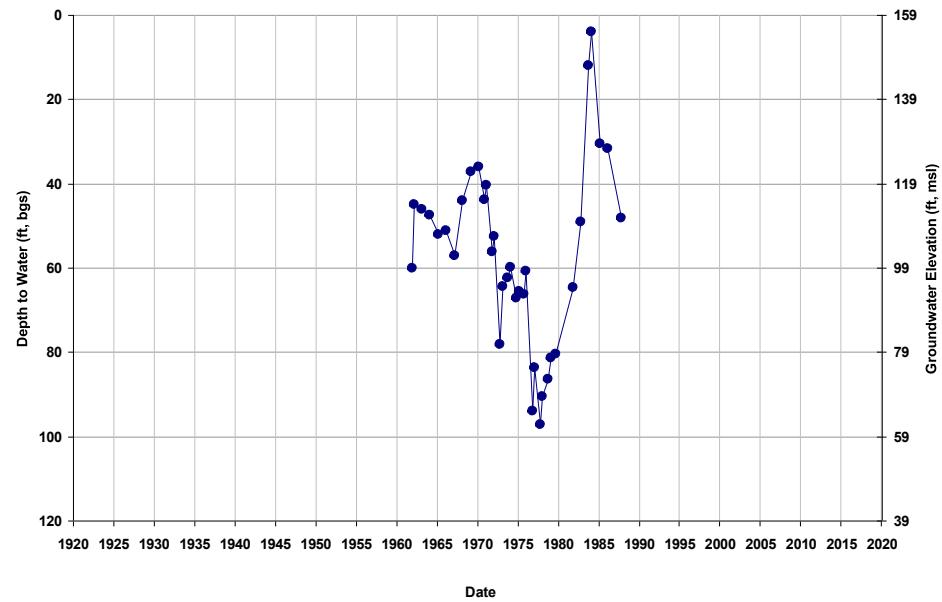
GSE (ft, msl): 156
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-114

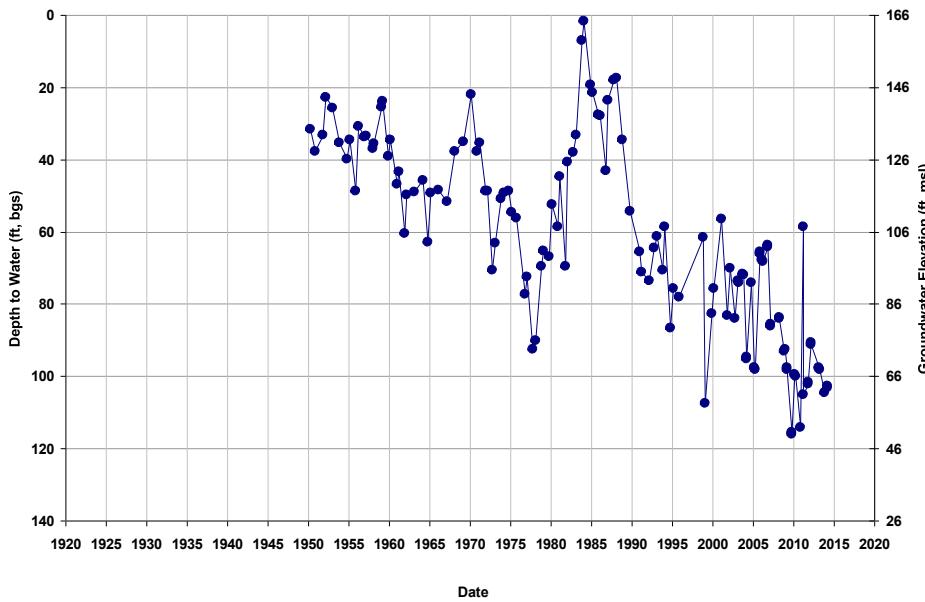
Well ID: 11S15E07R001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 159
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



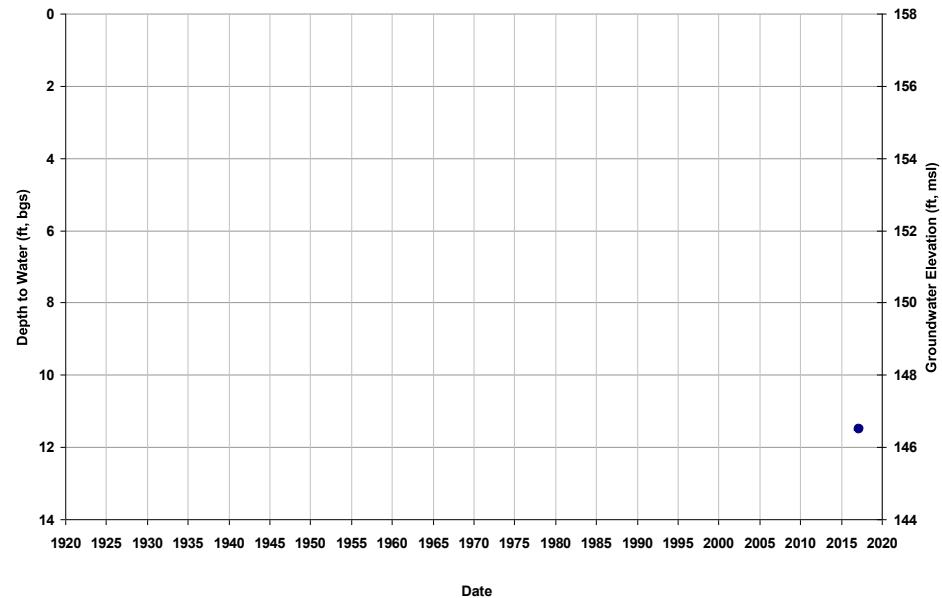
Well ID: 11S15E09C001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 166
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



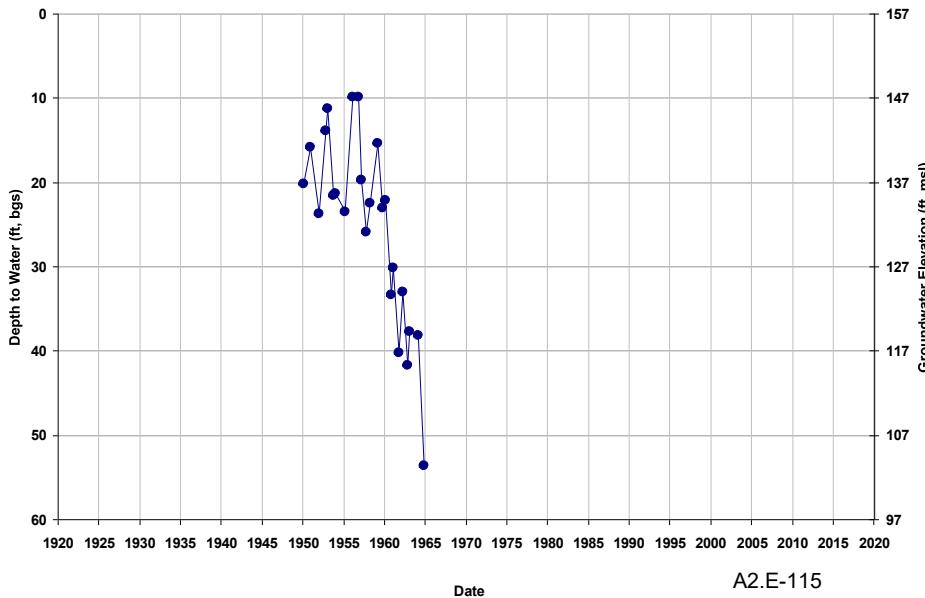
Well ID: 11S15E17P001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 158
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 11S15E18H001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

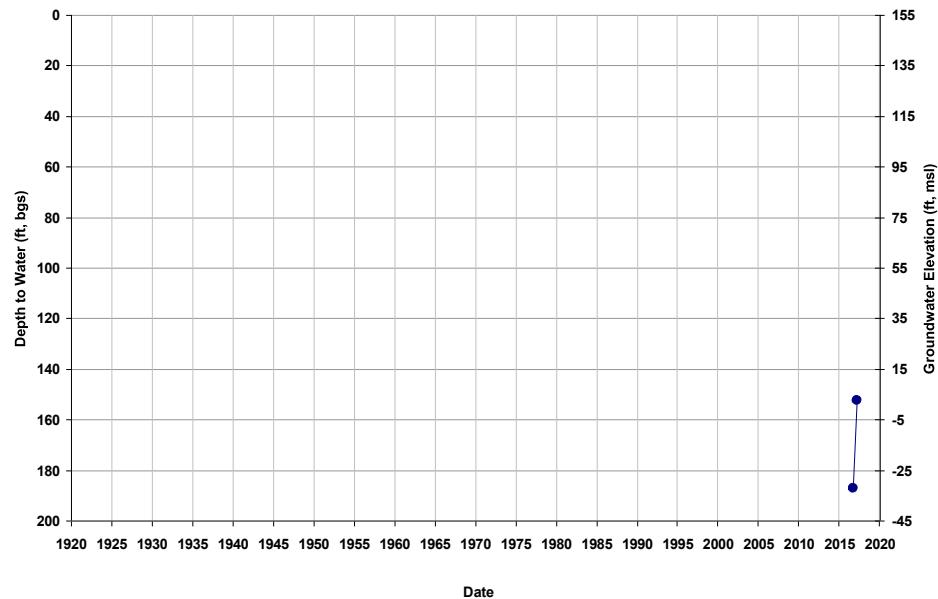
GSE (ft, msl): 157
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-115

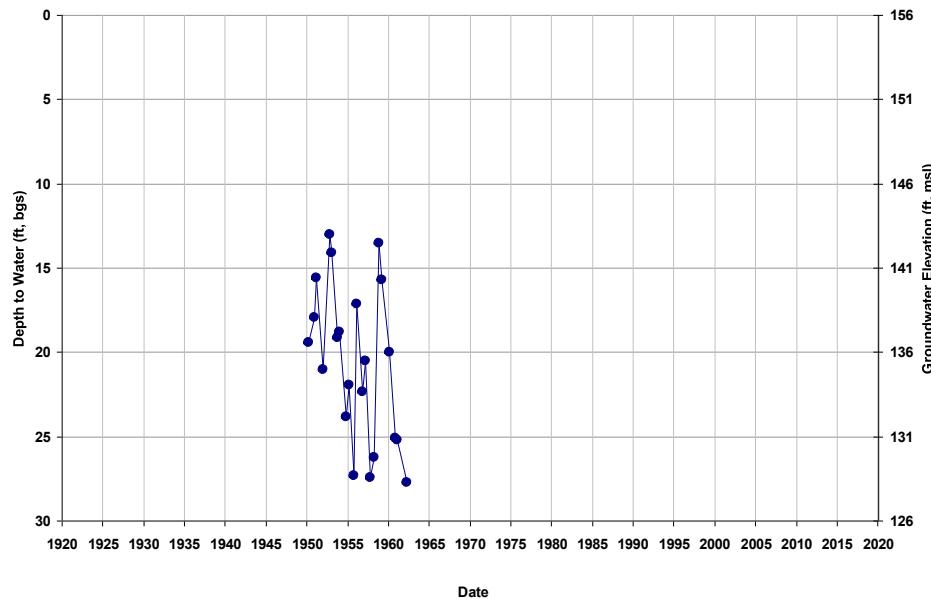
Well ID: 11S15E18P001M
Depth Zone: Composite; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 155
Total Depth (ft): 700
Perf Top (ft): 265
Perf Bottom (ft): 696



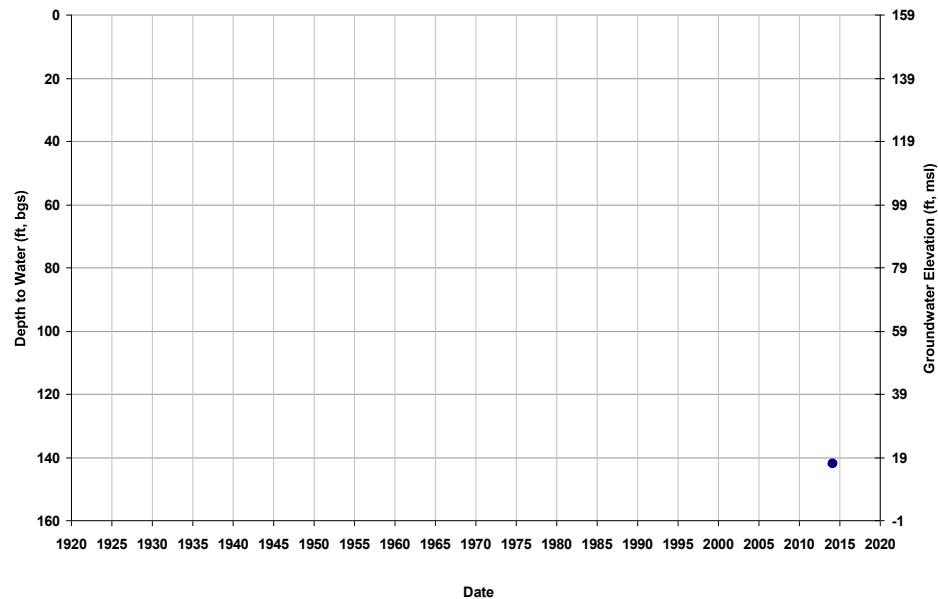
Well ID: 11S15E19H001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 156
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



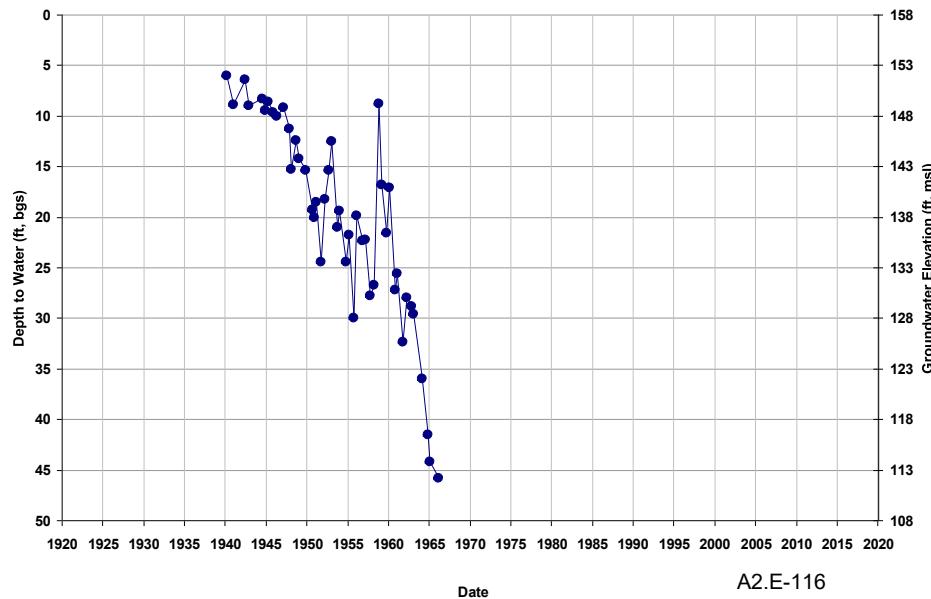
Well ID: 11S15E20Q001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 159
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 11S15E29G001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

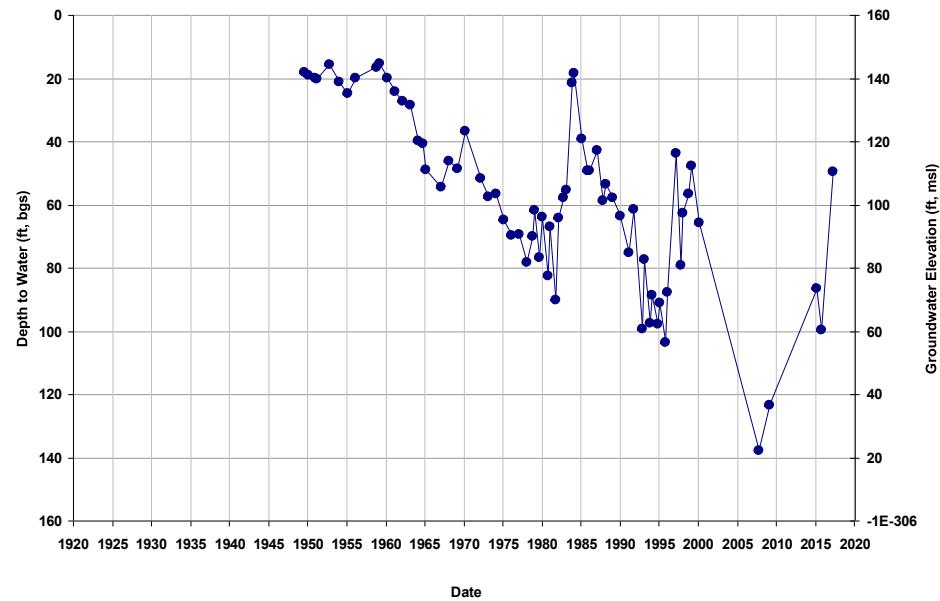
GSE (ft, msl): 158
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-116

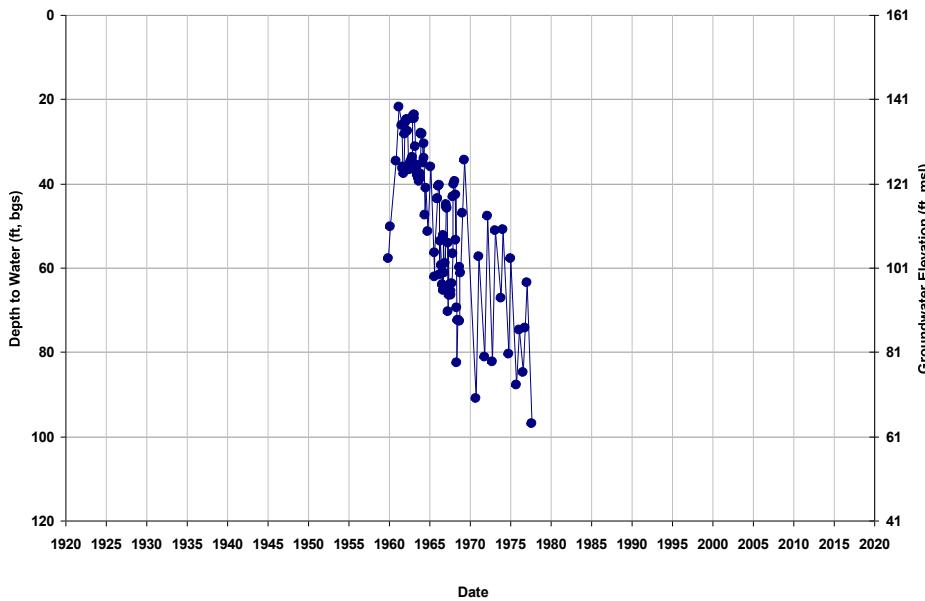
Well ID: 11S15E29H001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 159
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



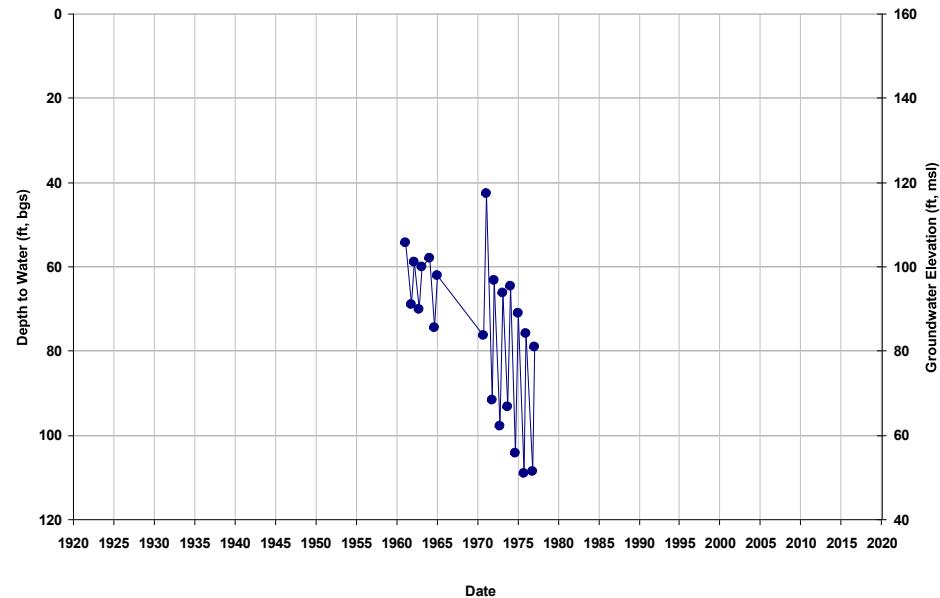
Well ID: 11S15E33P001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 161
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



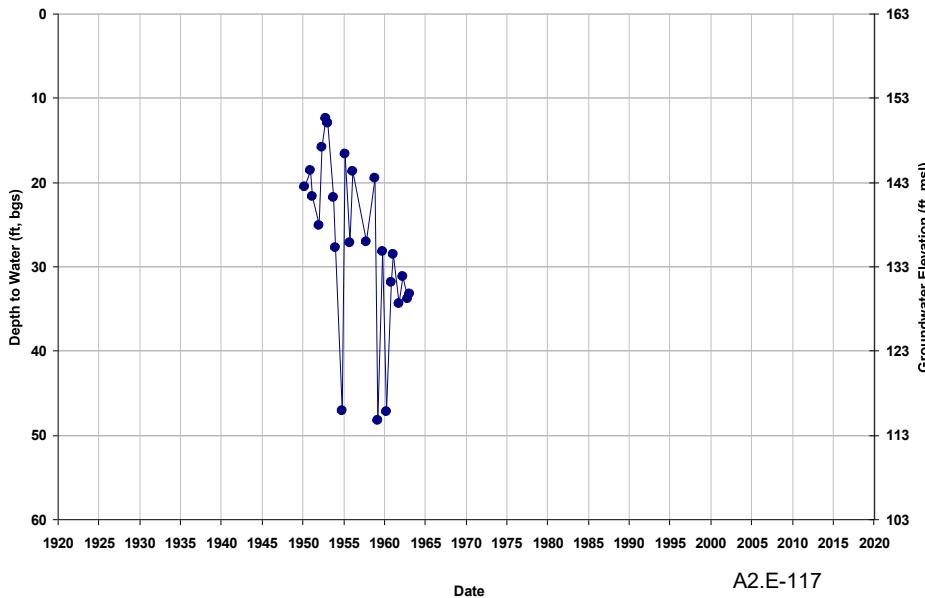
Well ID: 11S15E33P004M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 160
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: 11S15E33Q001M
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

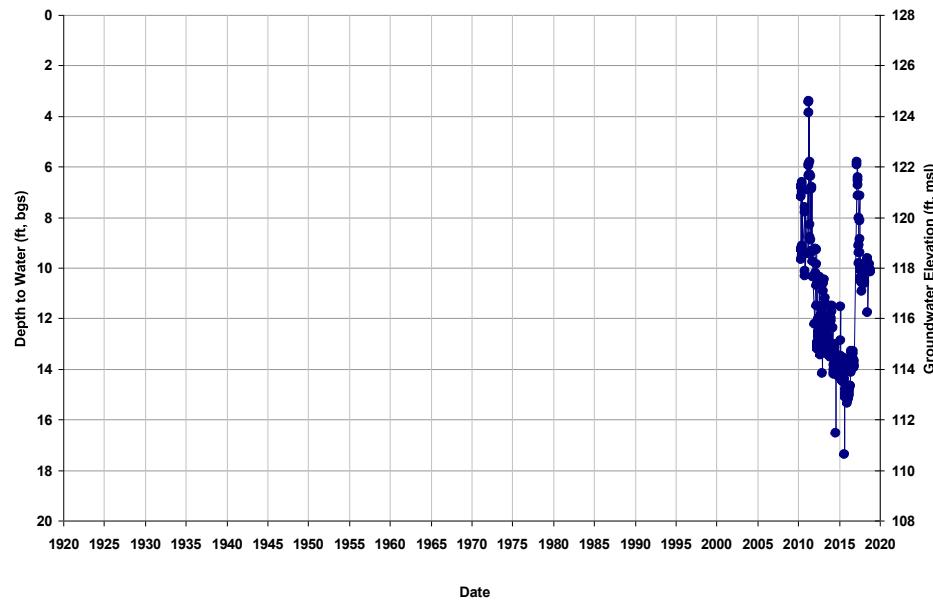
GSE (ft, msl): 163
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-117

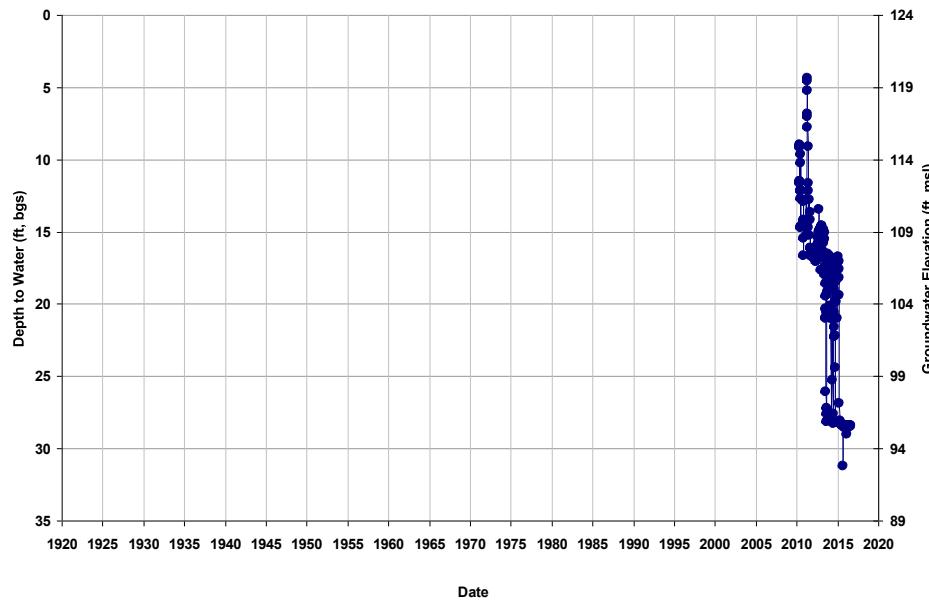
Well ID: SJRRP_MW-10-78
Depth Zone: Upper, Shallow GW; Wit
Subbasin: Chowchilla

GSE (ft, msl): 127
Total Depth (ft): 28
Perf Top (ft): 10
Perf Bottom (ft): 25



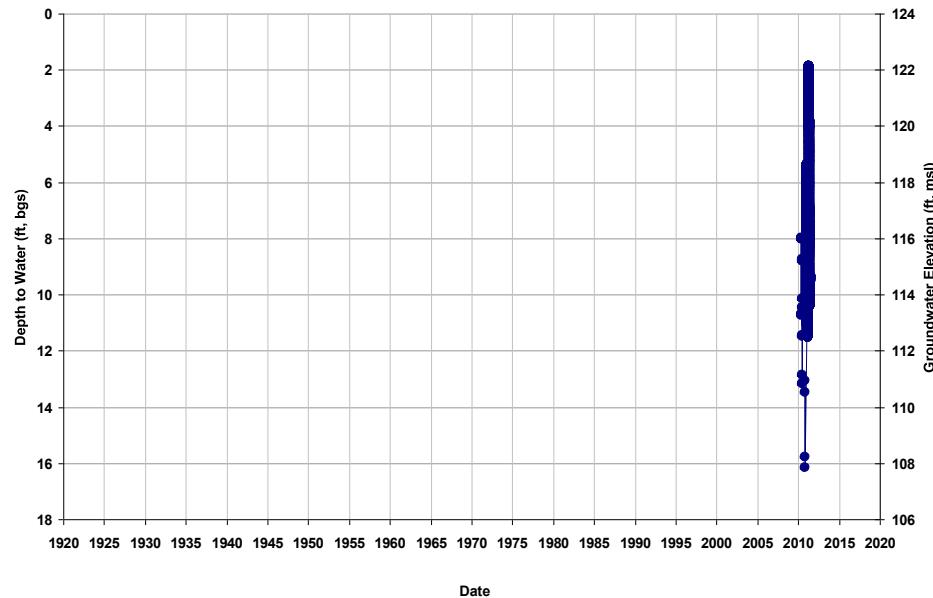
Well ID: SJRRP_MW-10-80
Depth Zone: Upper, Shallow GW; Wit
Subbasin: Chowchilla

GSE (ft, msl): 123
Total Depth (ft): 27.9
Perf Top (ft): 10
Perf Bottom (ft): 25



Well ID: SJRRP_MW-10-89
Depth Zone: Upper, Shallow GW; Wit
Subbasin: Chowchilla

GSE (ft, msl): 123
Total Depth (ft): 26.4
Perf Top (ft): 10
Perf Bottom (ft): 25



Well ID: SJRRP_MW-11-161
Depth Zone: Upper, Shallow GW; Wit
Subbasin: Chowchilla

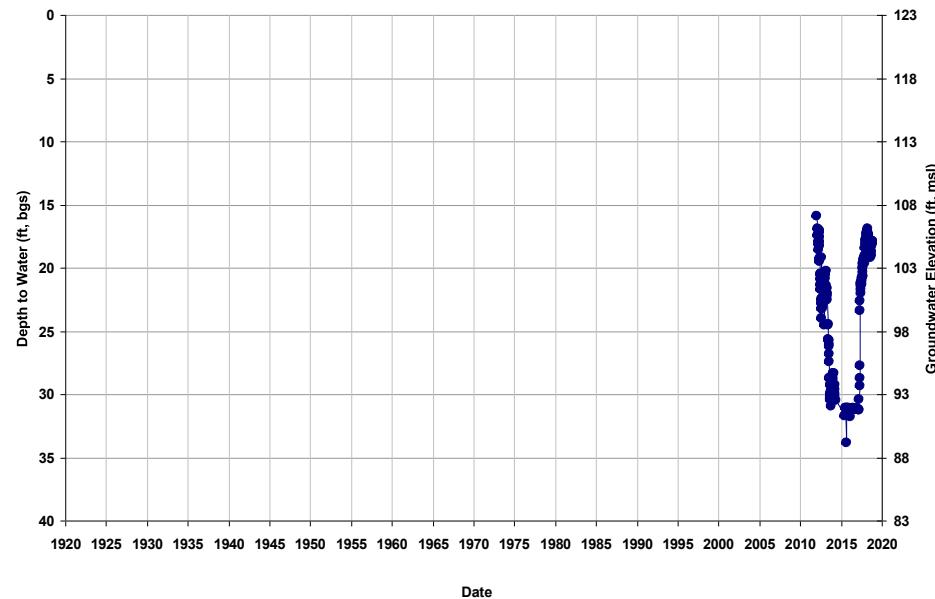
GSE (ft, msl): 127
Total Depth (ft): 30
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-118

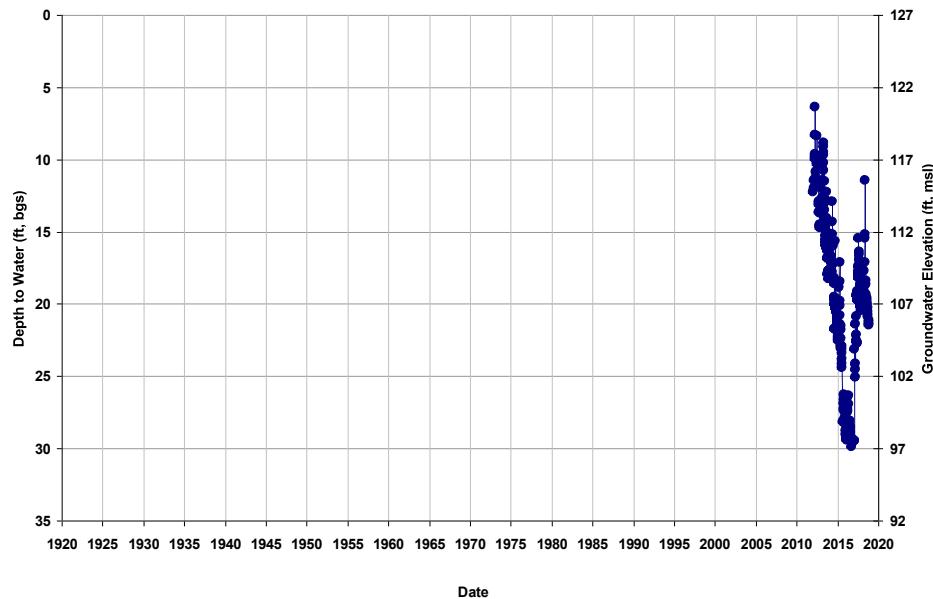
Well ID: SJRRP_MW-11-162
Depth Zone: Upper, Shallow GW; Wit
Subbasin: Chowchilla

GSE (ft, msl): 123
Total Depth (ft): 30
Perf Top (ft): NA
Perf Bottom (ft): NA



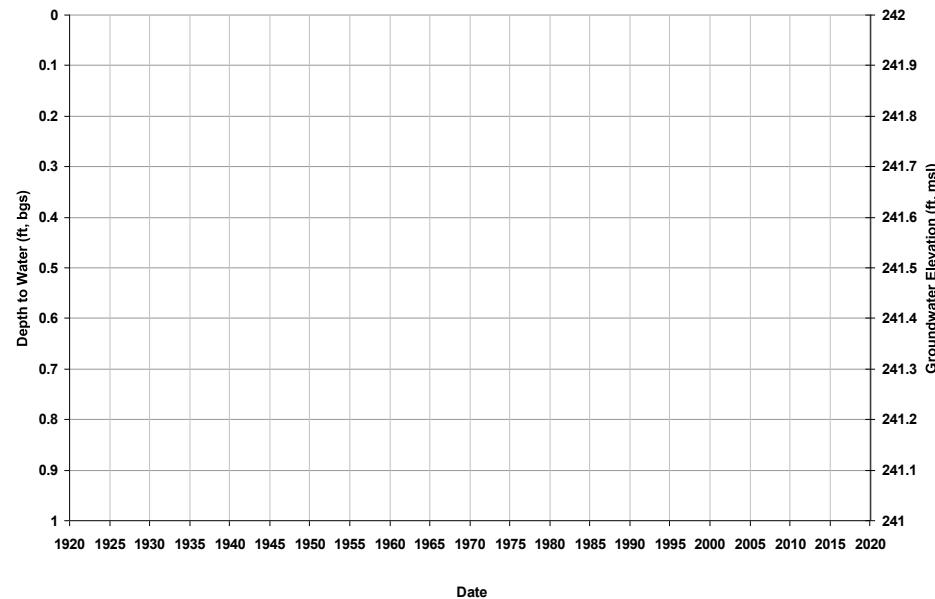
Well ID: SJRRP_MW-11-163
Depth Zone: Upper, Shallow GW; Wit
Subbasin: Chowchilla

GSE (ft, msl): 127
Total Depth (ft): 29
Perf Top (ft): NA
Perf Bottom (ft): NA



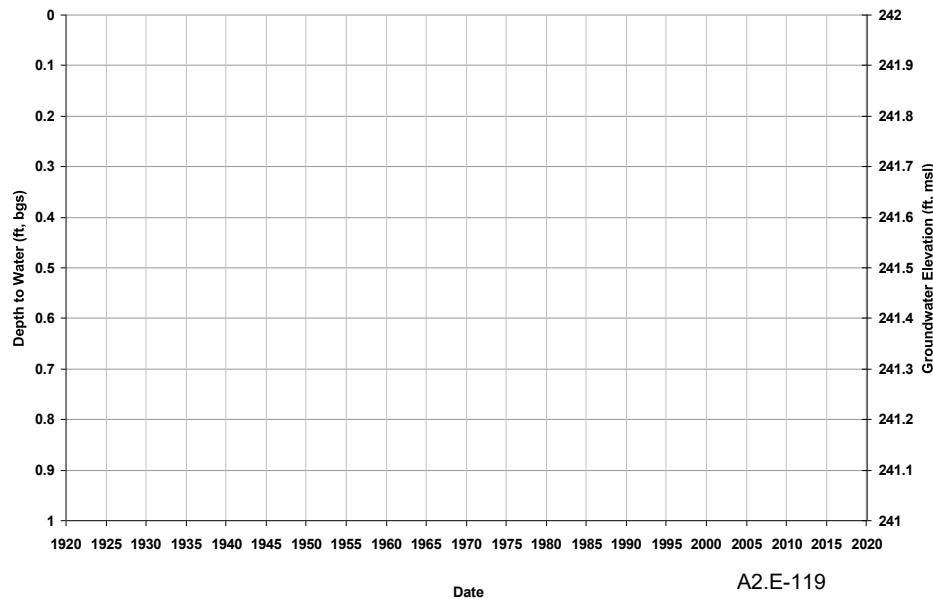
Well ID: SL0603935695 - MW-24
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 242
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



Well ID: SL0603935695 - VEW-11
Depth Zone: Unknown; Within CC
Subbasin: Chowchilla

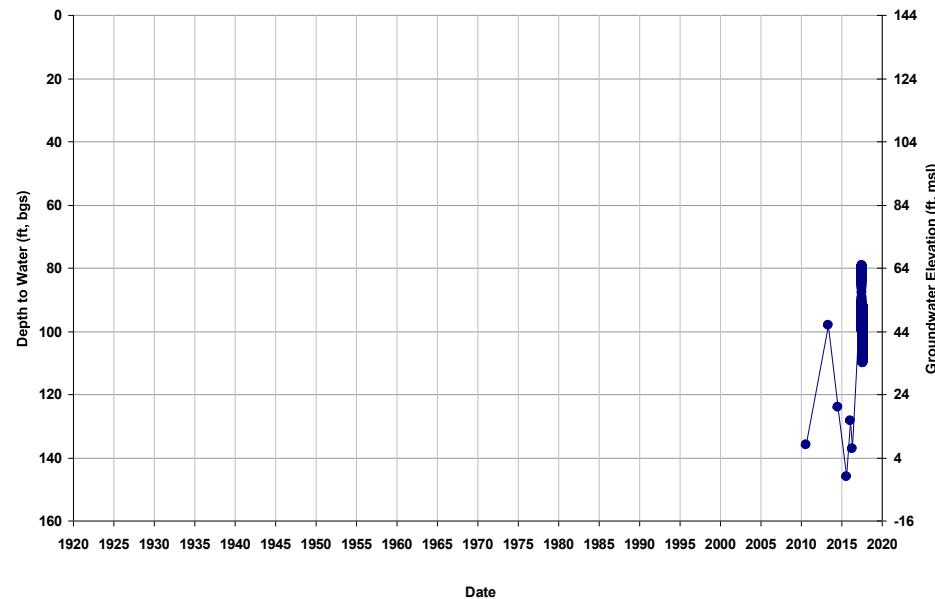
GSE (ft, msl): 242
Total Depth (ft): NA
Perf Top (ft): NA
Perf Bottom (ft): NA



A2.E-119

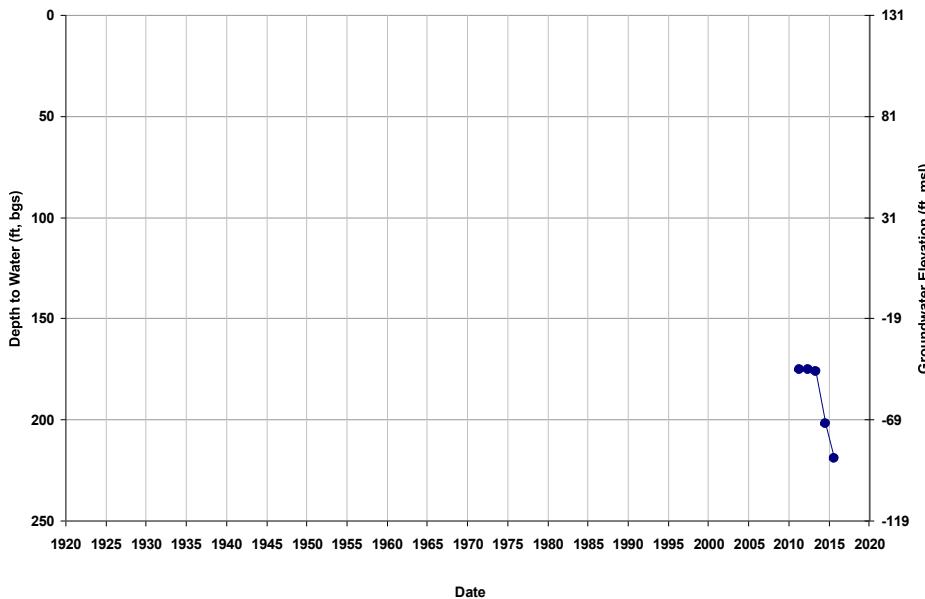
Well ID: TTR-10
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 144
Total Depth (ft): 222
Perf Top (ft): 158
Perf Bottom (ft): 222



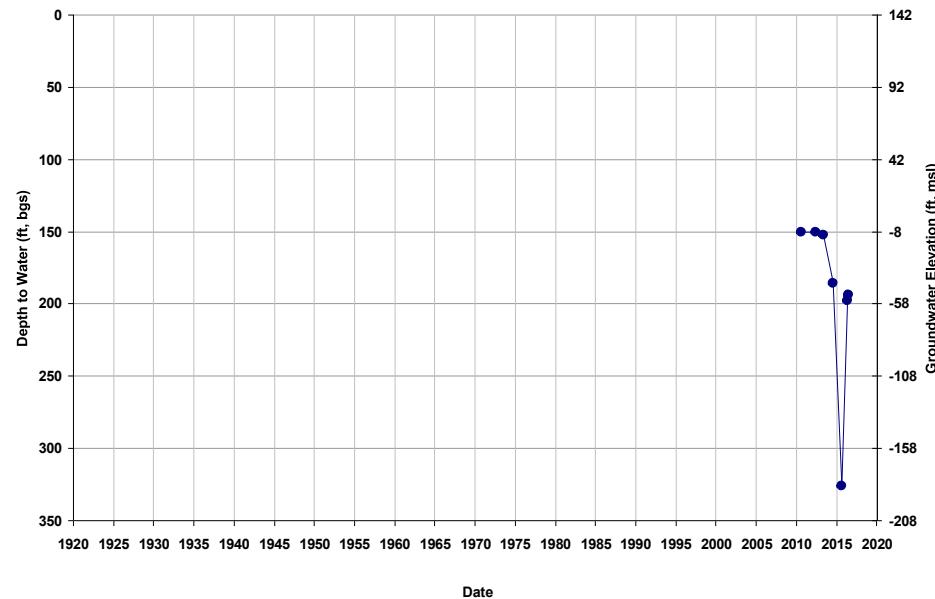
Well ID: TTR-11
Depth Zone: Lower; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 131
Total Depth (ft): 800
Perf Top (ft): 290
Perf Bottom (ft): 780



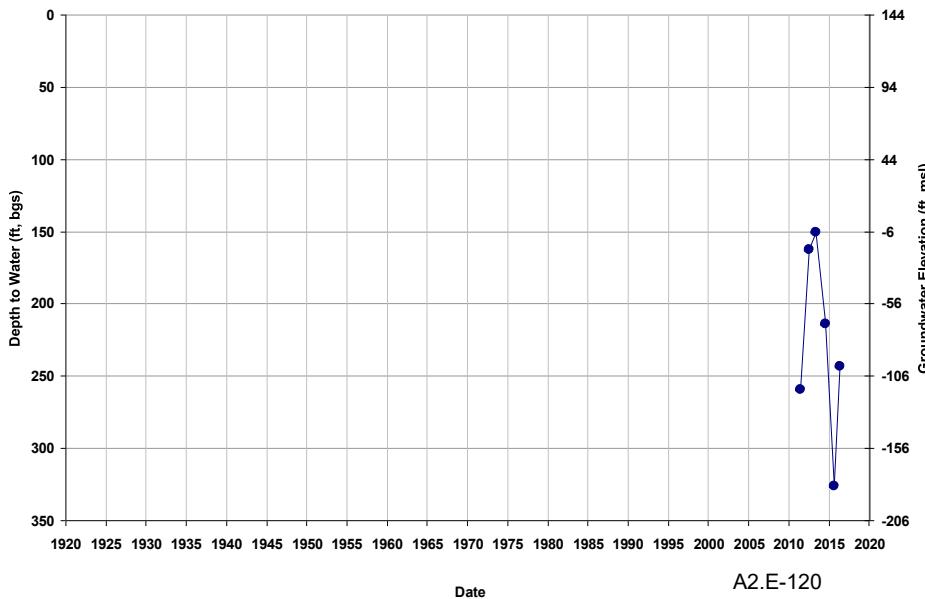
Well ID: TTR-12
Depth Zone: Composite; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 142
Total Depth (ft): 467
Perf Top (ft): 160
Perf Bottom (ft): 440



Well ID: TTR-13
Depth Zone: Composite; Within CC
Subbasin: Chowchilla

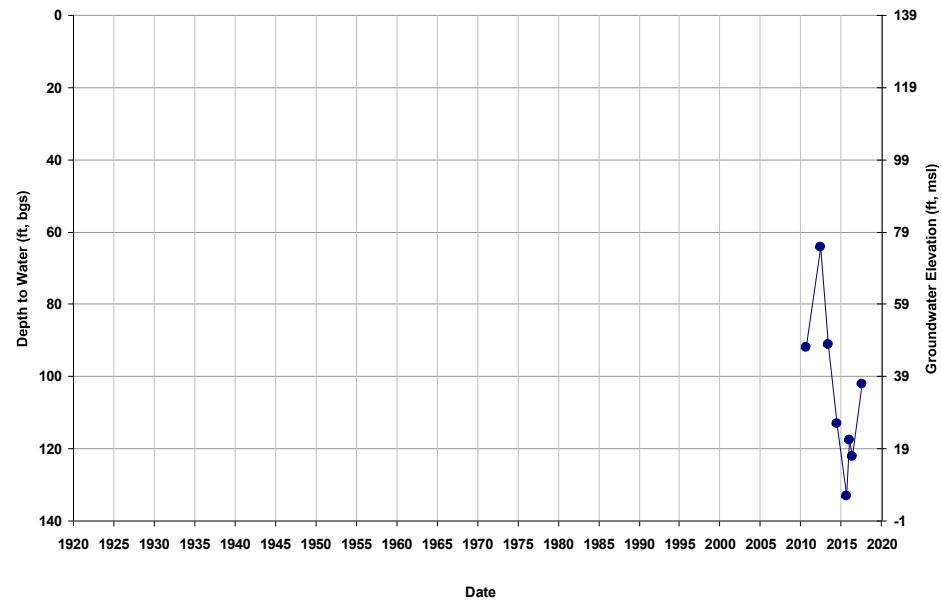
GSE (ft, msl): 144
Total Depth (ft): 413
Perf Top (ft): 133
Perf Bottom (ft): 413



A2.E-120

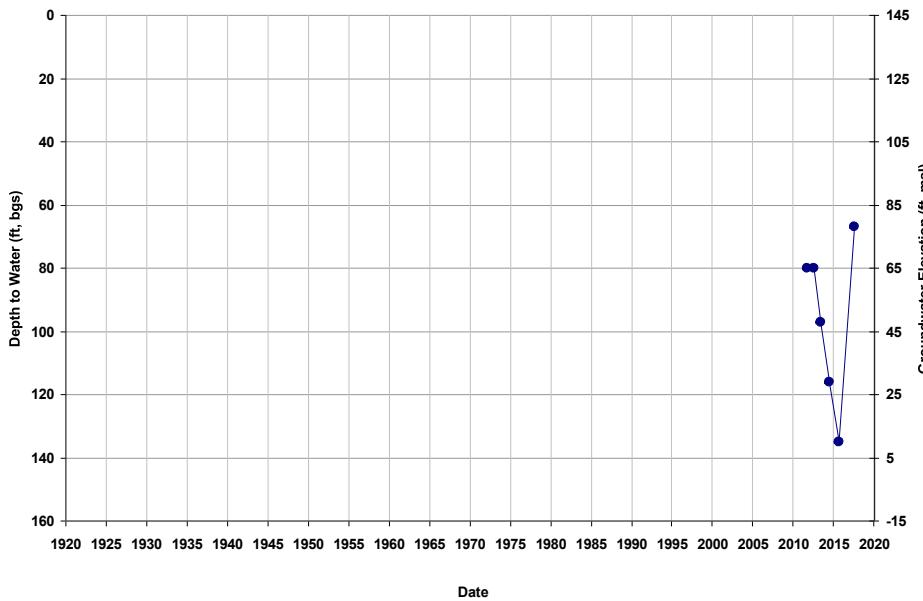
Well ID: TTR-14
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 139
Total Depth (ft): 219
Perf Top (ft): 137
Perf Bottom (ft): 219



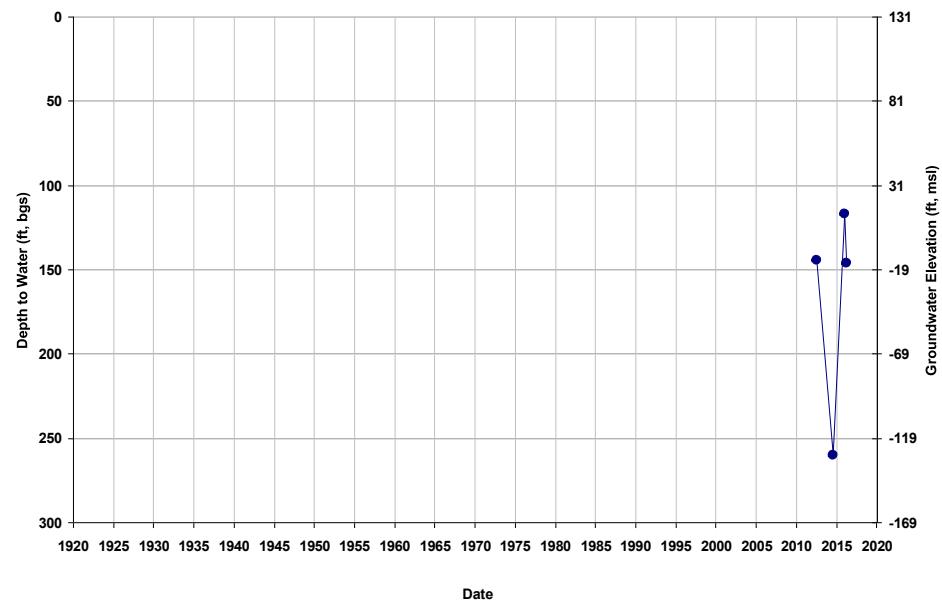
Well ID: TTR-15
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 145
Total Depth (ft): 194
Perf Top (ft): 148
Perf Bottom (ft): 194



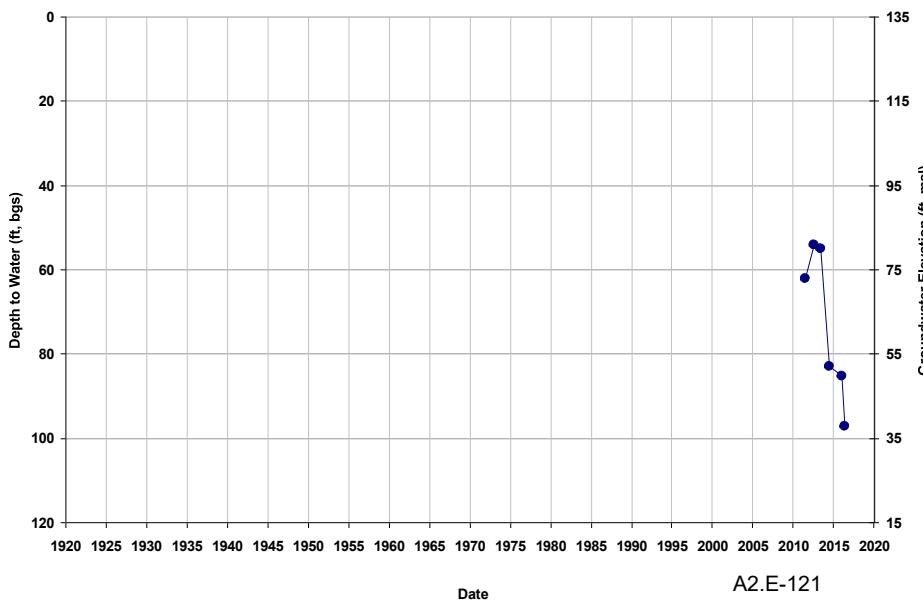
Well ID: TTR-16
Depth Zone: Lower; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 131
Total Depth (ft): 857
Perf Top (ft): 292
Perf Bottom (ft): 854



Well ID: TTR-17
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

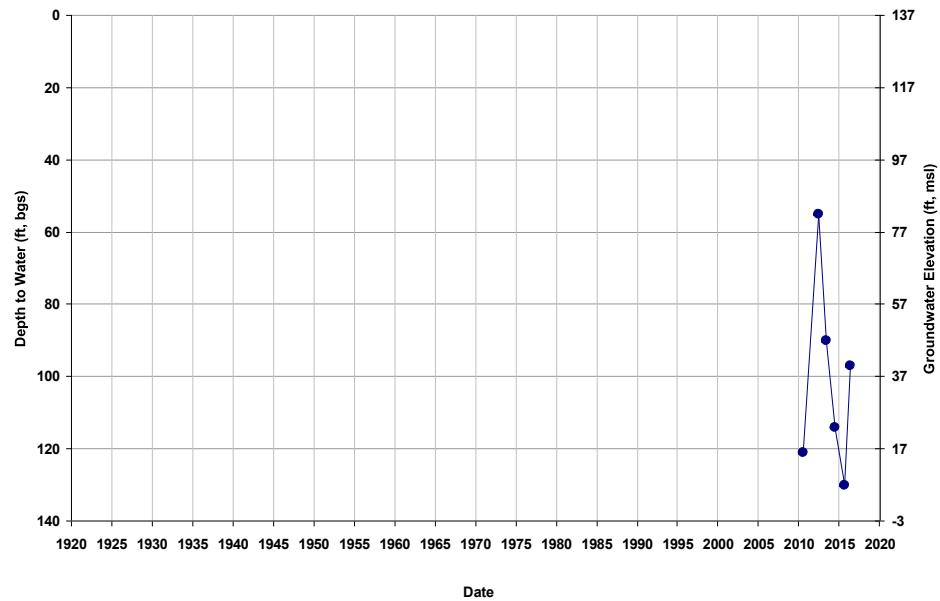
GSE (ft, msl): 134
Total Depth (ft): 256
Perf Top (ft): 175
Perf Bottom (ft): 252



A2.E-121

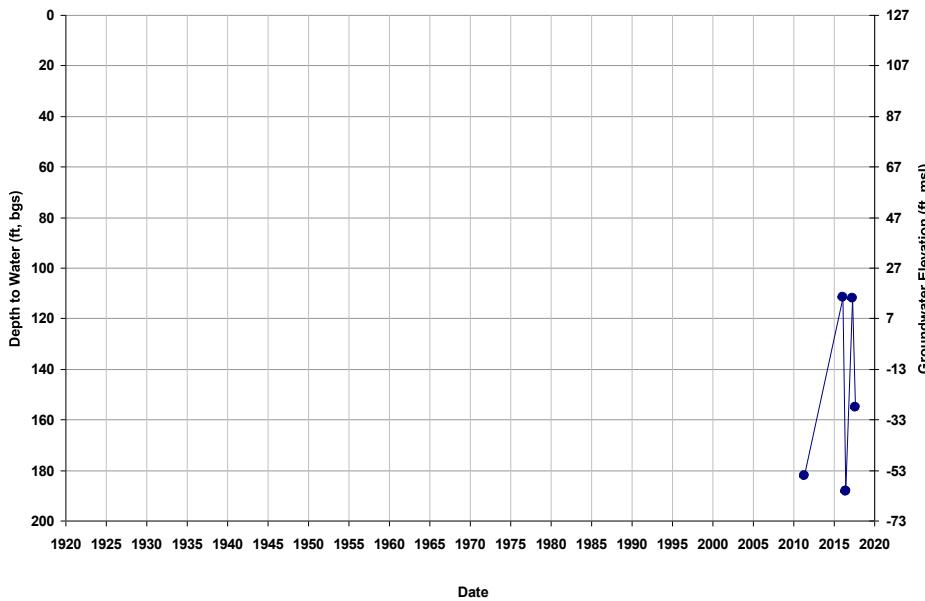
Well ID: TTR-18
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 137
Total Depth (ft): 211
Perf Top (ft): 166
Perf Bottom (ft): 213



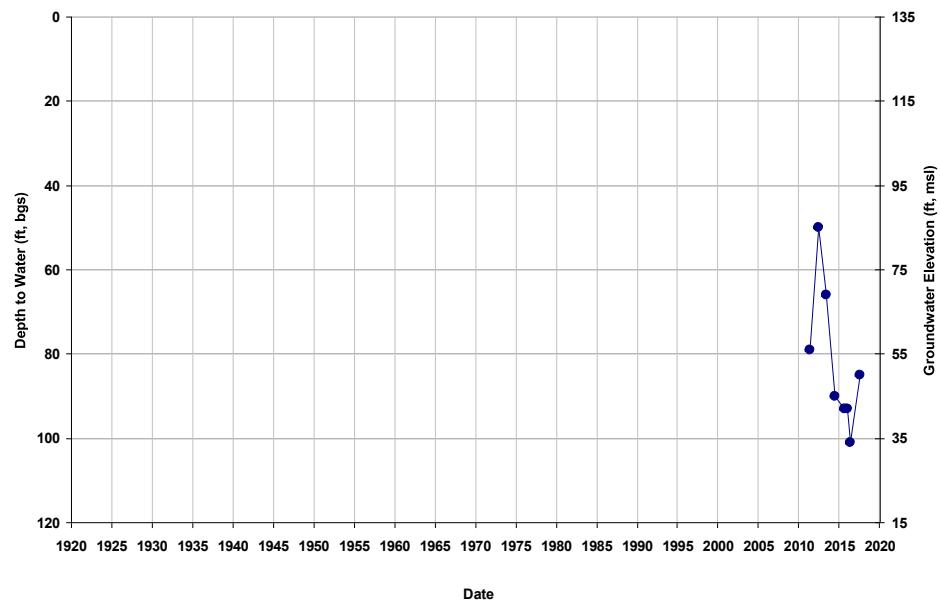
Well ID: TTR-19
Depth Zone: Lower; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 127
Total Depth (ft): 860
Perf Top (ft): 290
Perf Bottom (ft): 840



Well ID: TTR-2
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 135
Total Depth (ft): 213
Perf Top (ft): 157
Perf Bottom (ft): 209



Well ID: TTR-20
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 132
Total Depth (ft): 200
Perf Top (ft): 145
Perf Bottom (ft): 200



A2.E-122

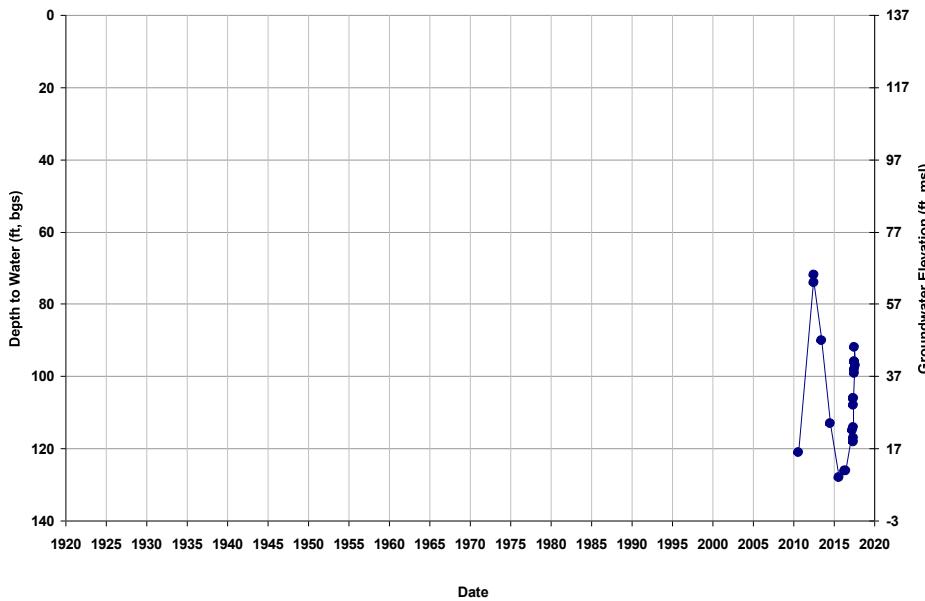
Well ID: TTR-21
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 132
Total Depth (ft): 158
Perf Top (ft): 71
Perf Bottom (ft): 203



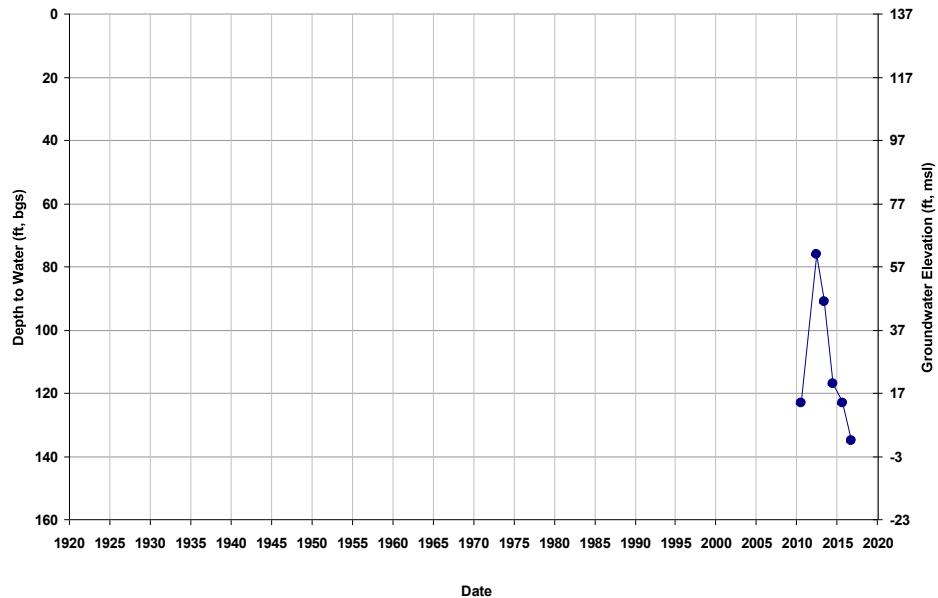
Well ID: TTR-22
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 137
Total Depth (ft): 304
Perf Top (ft): 170
Perf Bottom (ft): 298



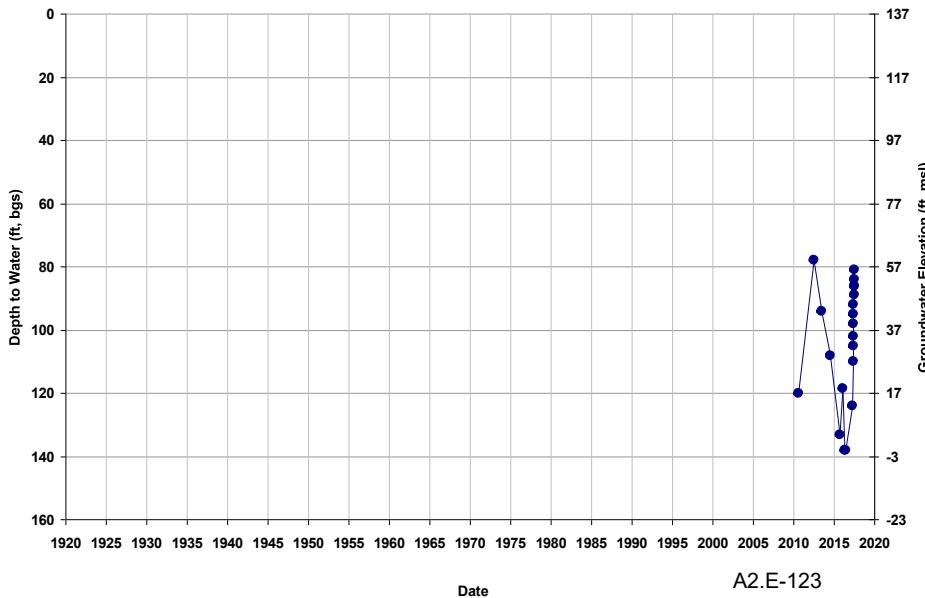
Well ID: TTR-23
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 137
Total Depth (ft): 212
Perf Top (ft): 170
Perf Bottom (ft): 208



Well ID: TTR-24
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

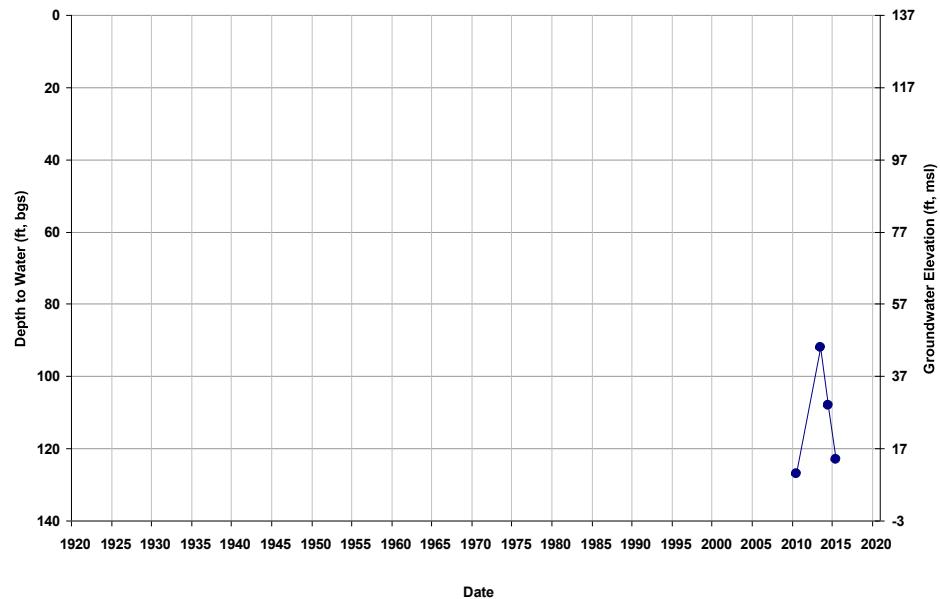
GSE (ft, msl): 137
Total Depth (ft): 188
Perf Top (ft): 137
Perf Bottom (ft): 188



A2.E-123

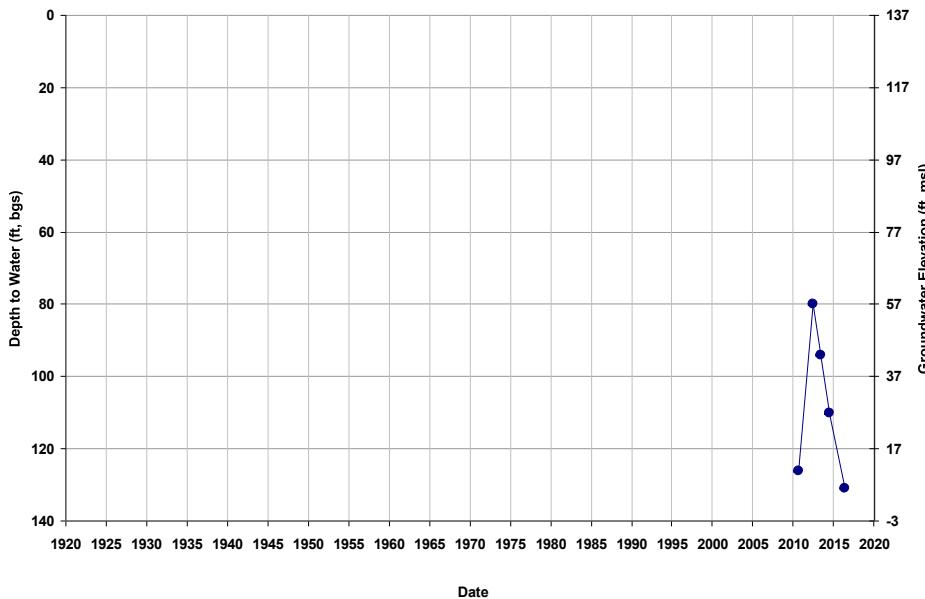
Well ID: TTR-25
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 137
Total Depth (ft): 211
Perf Top (ft): 167
Perf Bottom (ft): 211



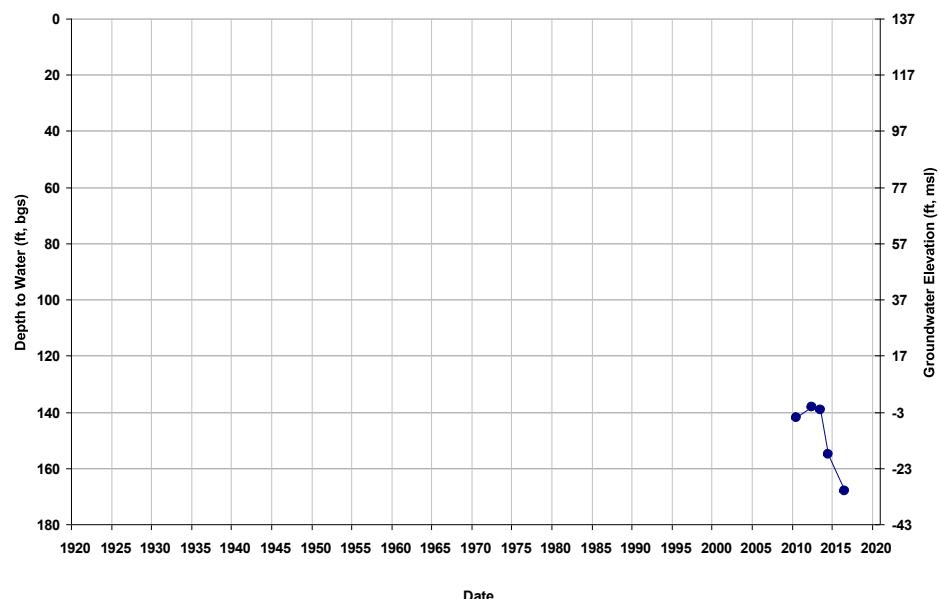
Well ID: TTR-26
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 137
Total Depth (ft): 300
Perf Top (ft): 130
Perf Bottom (ft): 299



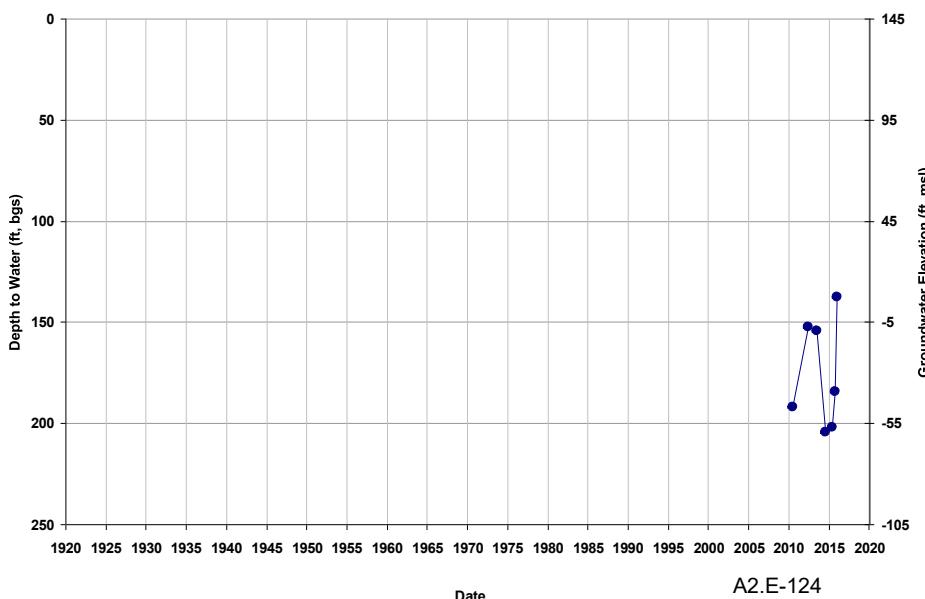
Well ID: TTR-27
Depth Zone: Composite; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 137
Total Depth (ft): 799
Perf Top (ft): 168
Perf Bottom (ft): 790



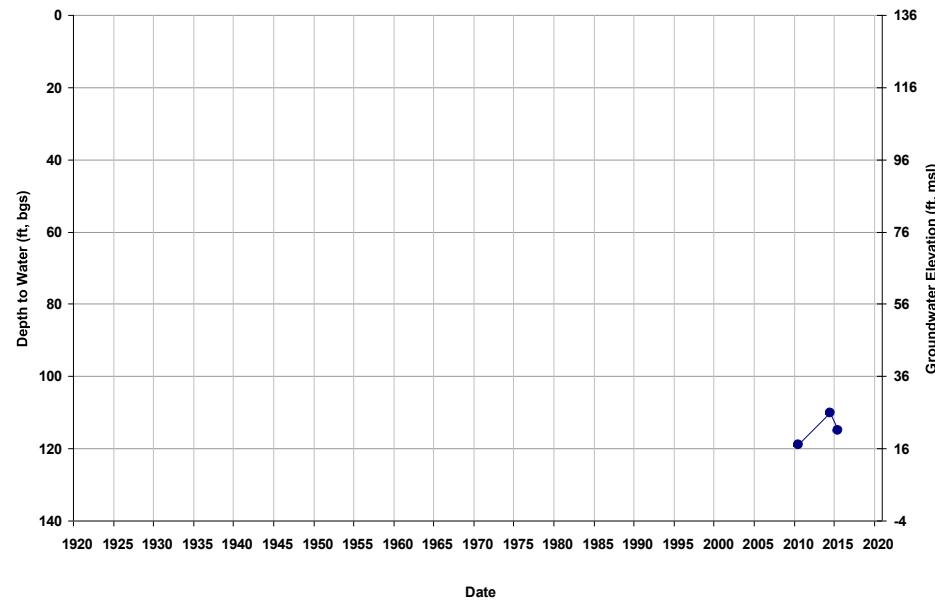
Well ID: TTR-28
Depth Zone: Composite; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 145
Total Depth (ft): 710
Perf Top (ft): 170
Perf Bottom (ft): 690



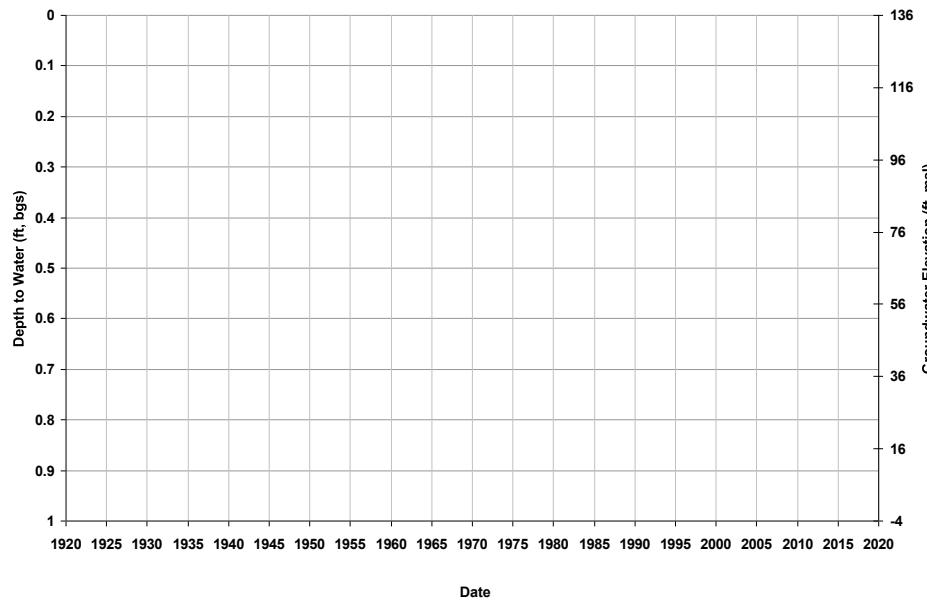
Well ID: TTR-29
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 136
Total Depth (ft): 224
Perf Top (ft): 125
Perf Bottom (ft): 224



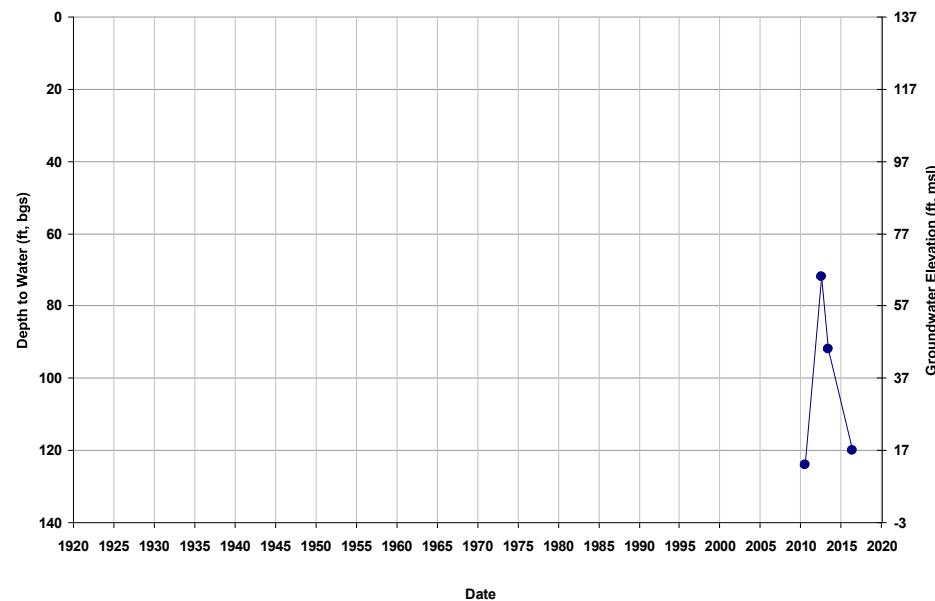
Well ID: TTR-3
Depth Zone: Upper; Outside CC
Subbasin: Chowchilla

GSE (ft, msl): 136
Total Depth (ft): 219
Perf Top (ft): 143
Perf Bottom (ft): 215



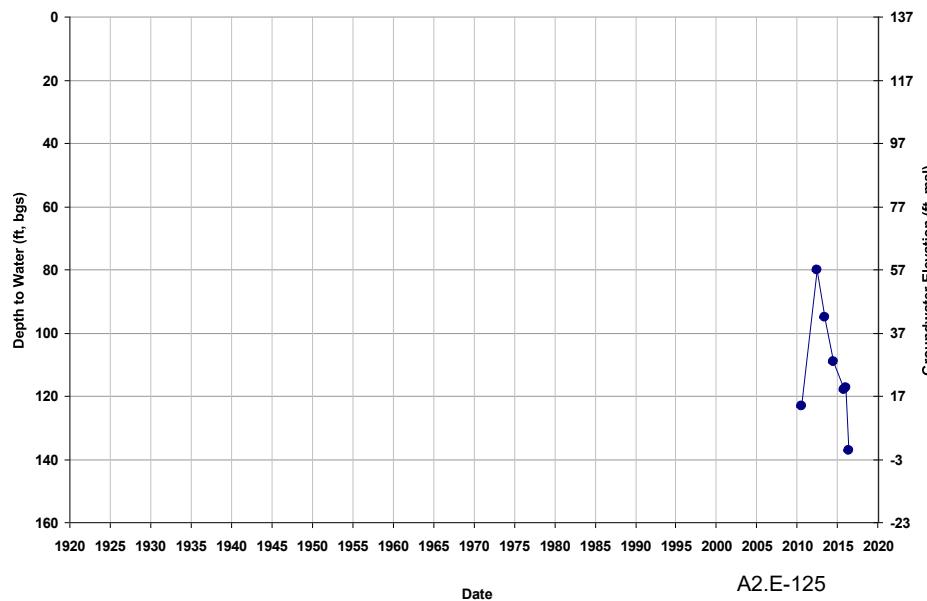
Well ID: TTR-30
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 137
Total Depth (ft): 185
Perf Top (ft): 150
Perf Bottom (ft): 185



Well ID: TTR-31
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

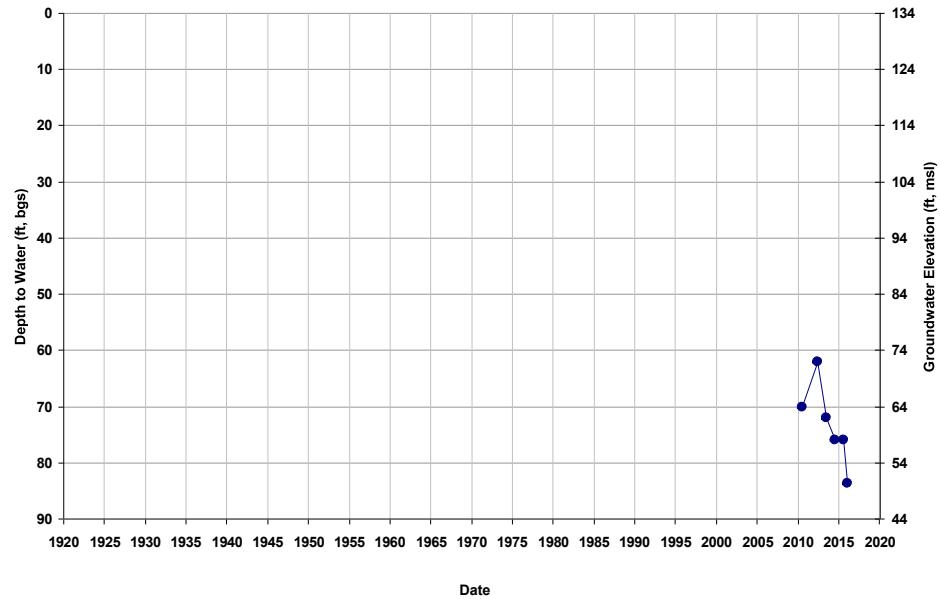
GSE (ft, msl): 137
Total Depth (ft): 197
Perf Top (ft): 158
Perf Bottom (ft): 197



A2.E-125

Well ID: TTR-32
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 134
Total Depth (ft): 236
Perf Top (ft): 100
Perf Bottom (ft): 232



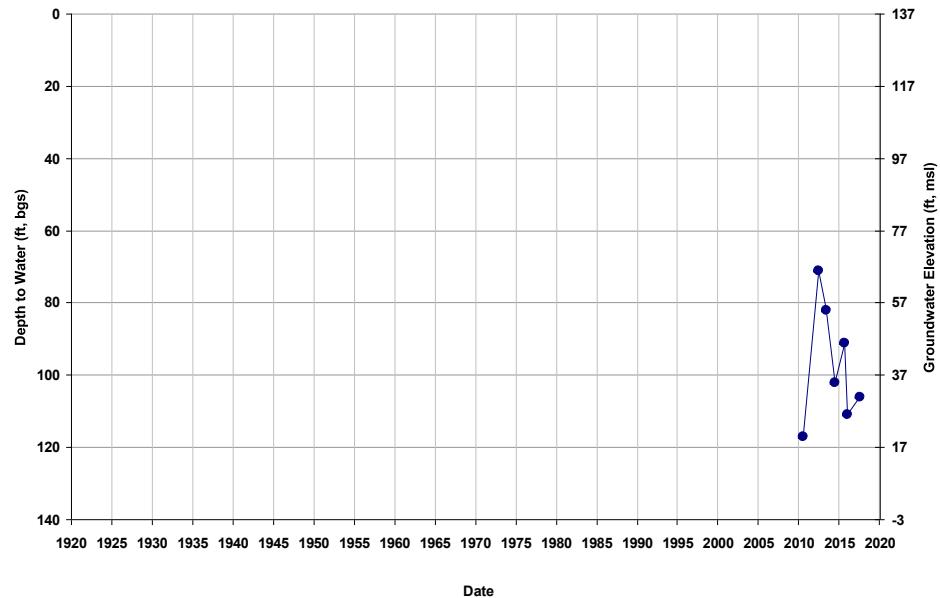
Well ID: TTR-33
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 135
Total Depth (ft): 285
Perf Top (ft): 110
Perf Bottom (ft): 292



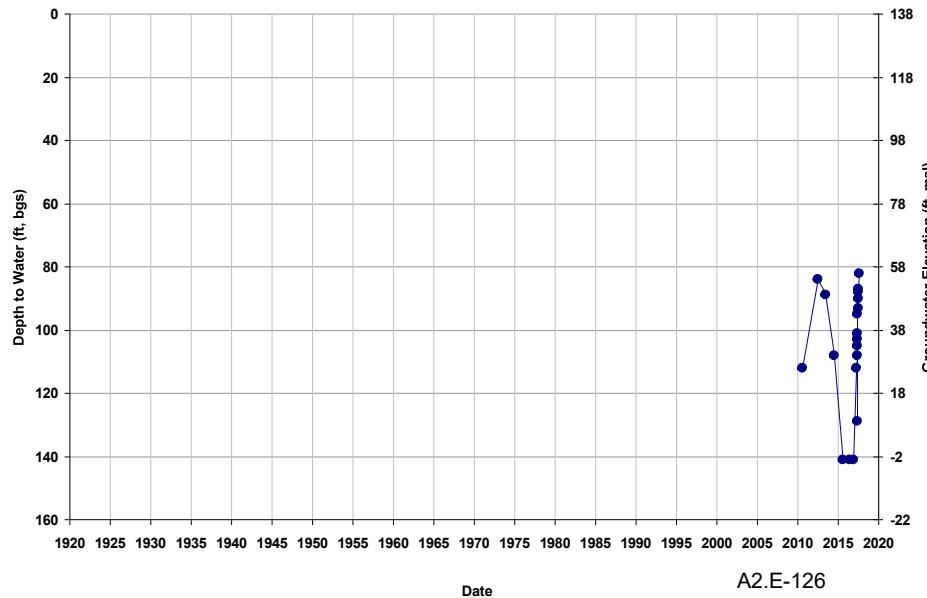
Well ID: TTR-34
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 137
Total Depth (ft): NA
Perf Top (ft): 92
Perf Bottom (ft): 99



Well ID: TTR-35
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

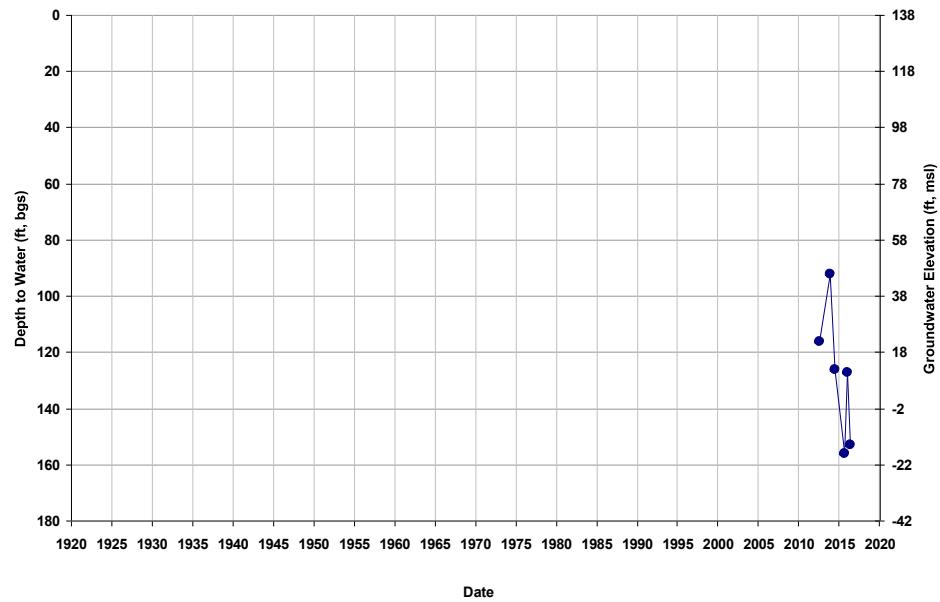
GSE (ft, msl): 137
Total Depth (ft): 168
Perf Top (ft): 130
Perf Bottom (ft): 185



A2.E-126

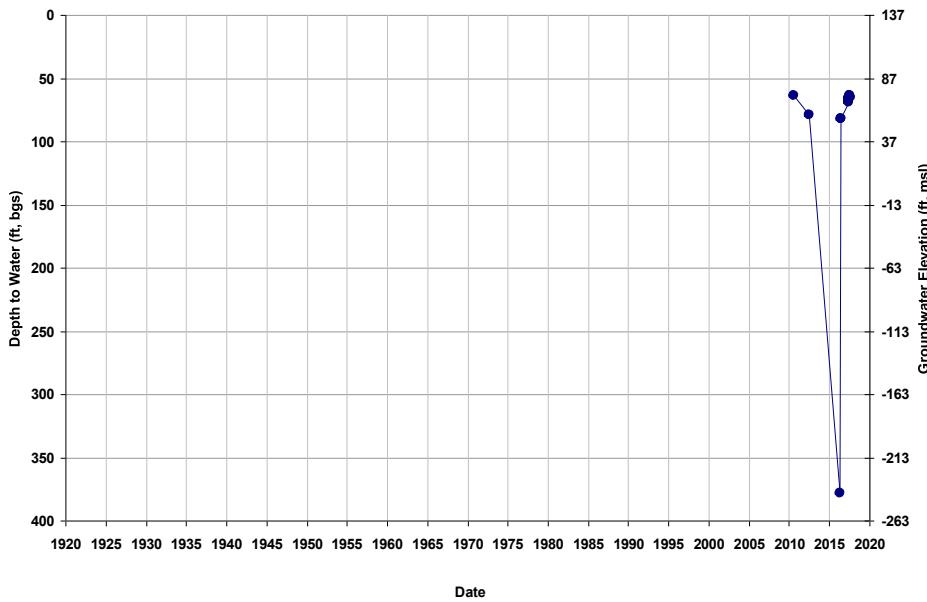
Well ID: TTR-36
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 138
Total Depth (ft): 221
Perf Top (ft): 130
Perf Bottom (ft): 221



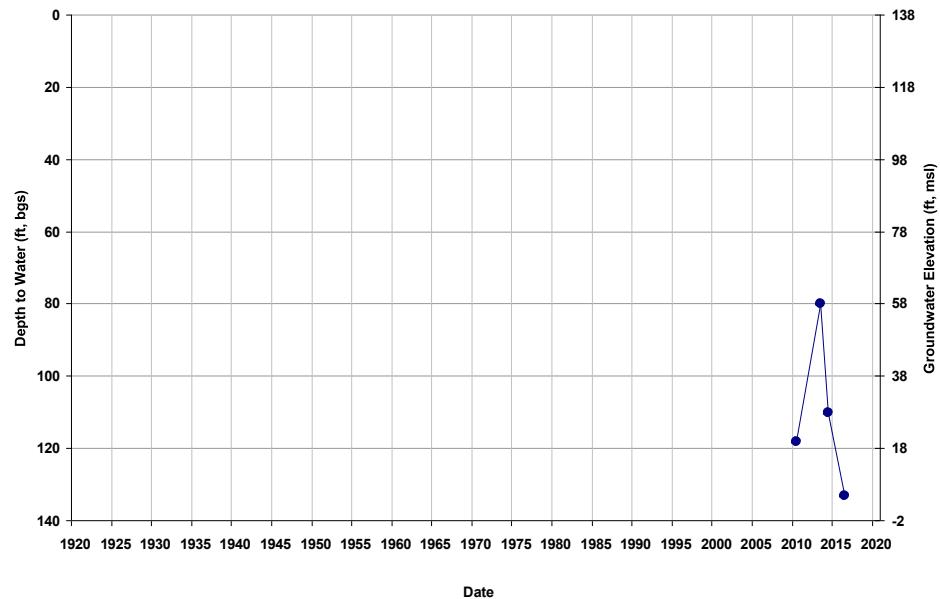
Well ID: TTR-37
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 137
Total Depth (ft): 219
Perf Top (ft): 114
Perf Bottom (ft): 219



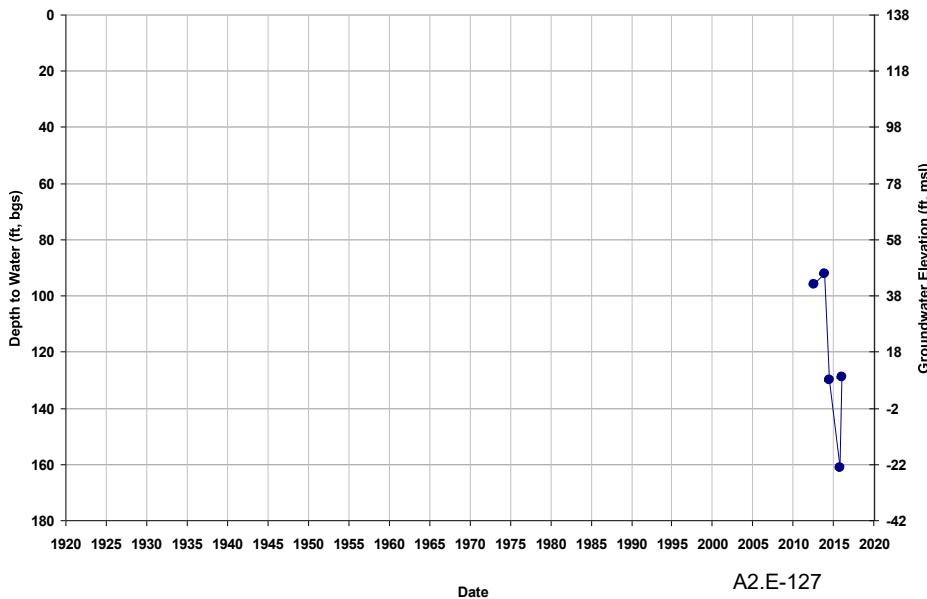
Well ID: TTR-38
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 137
Total Depth (ft): 206
Perf Top (ft): 125
Perf Bottom (ft): 206



Well ID: TTR-39
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

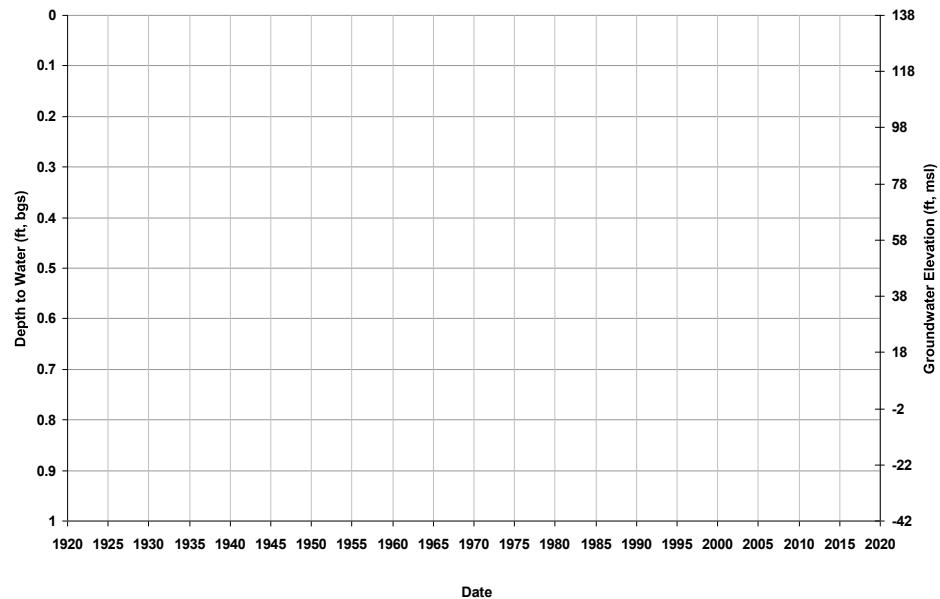
GSE (ft, msl): 138
Total Depth (ft): 211
Perf Top (ft): 132
Perf Bottom (ft): 211



A2.E-127

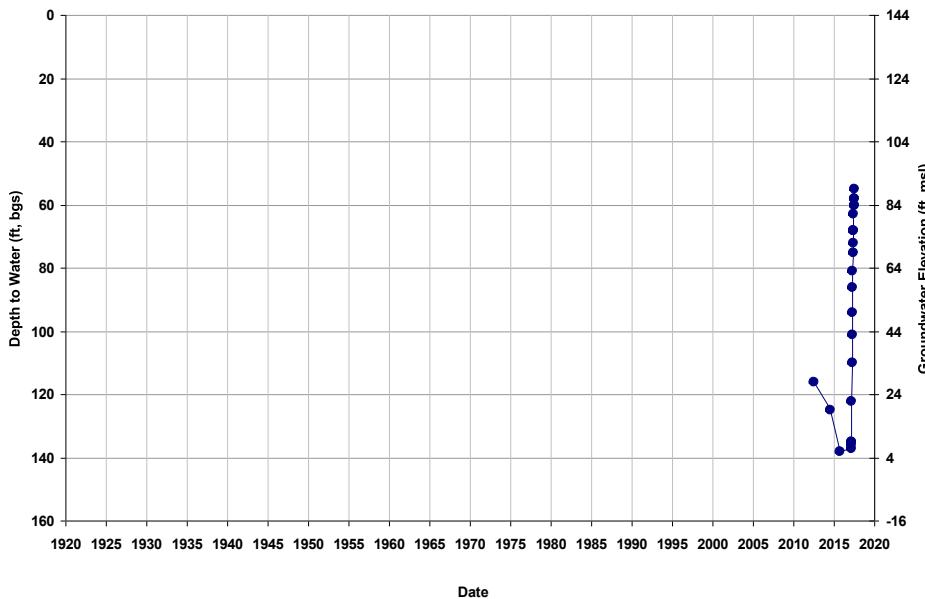
Well ID: TTR-4
Depth Zone: Composite; Outside CC
Subbasin: Chowchilla

GSE (ft, msl):
Total Depth (ft): 284
Perf Top (ft): 160
Perf Bottom (ft): 280



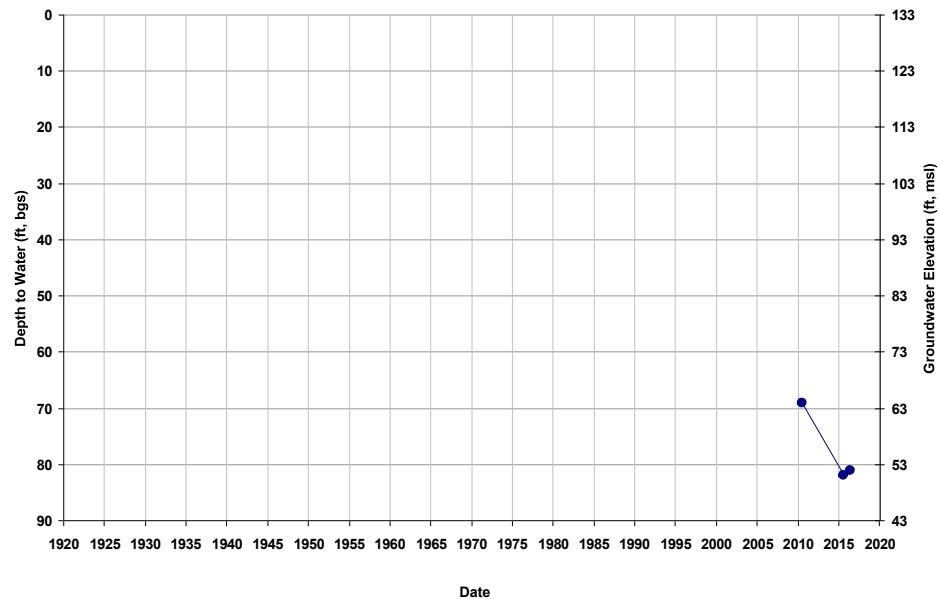
Well ID: TTR-40
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 144
Total Depth (ft): 228
Perf Top (ft): 175
Perf Bottom (ft): 228



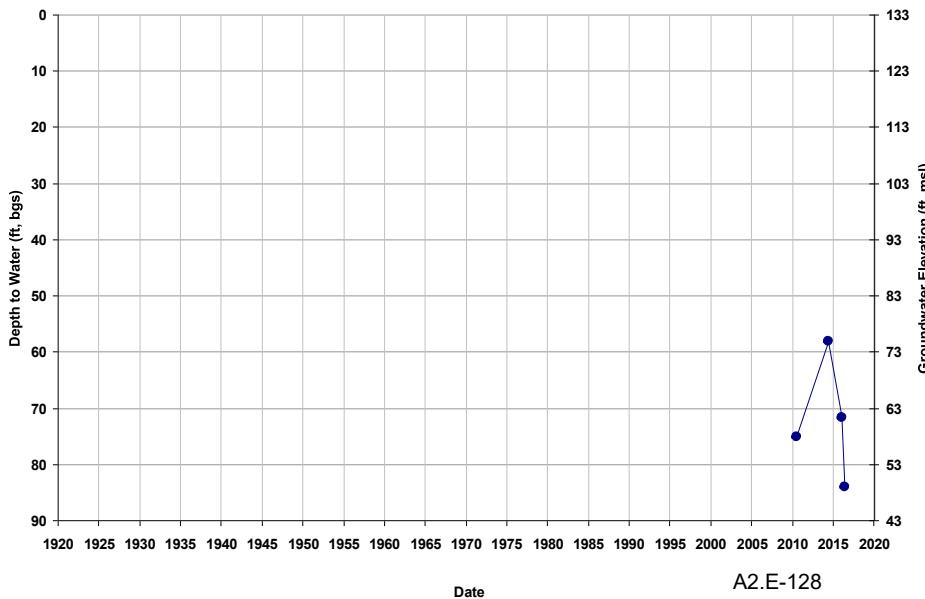
Well ID: TTR-41
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 132
Total Depth (ft): 212
Perf Top (ft): 153
Perf Bottom (ft): 212



Well ID: TTR-42
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

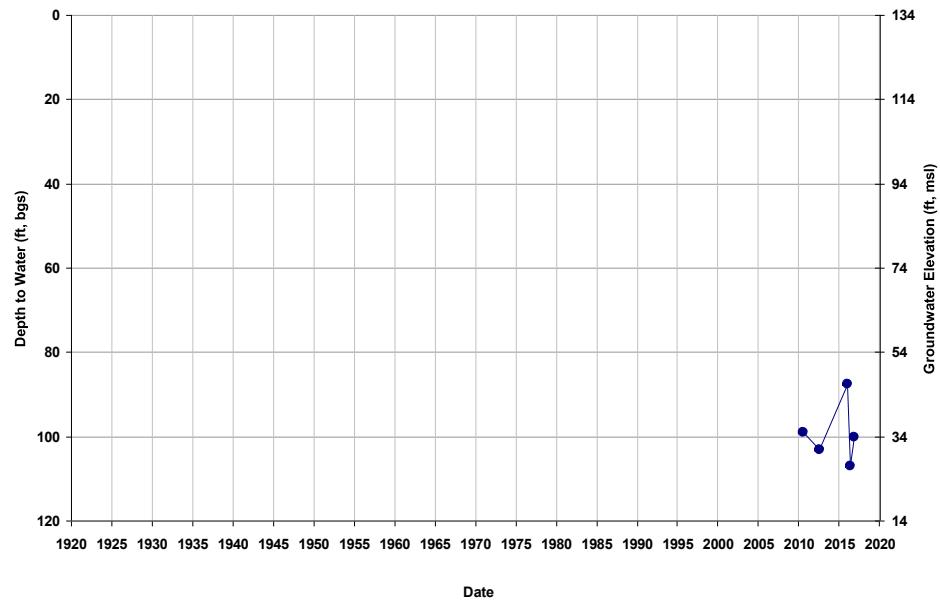
GSE (ft, msl): 132
Total Depth (ft): 165
Perf Top (ft): 120
Perf Bottom (ft): 198



A2.E-128

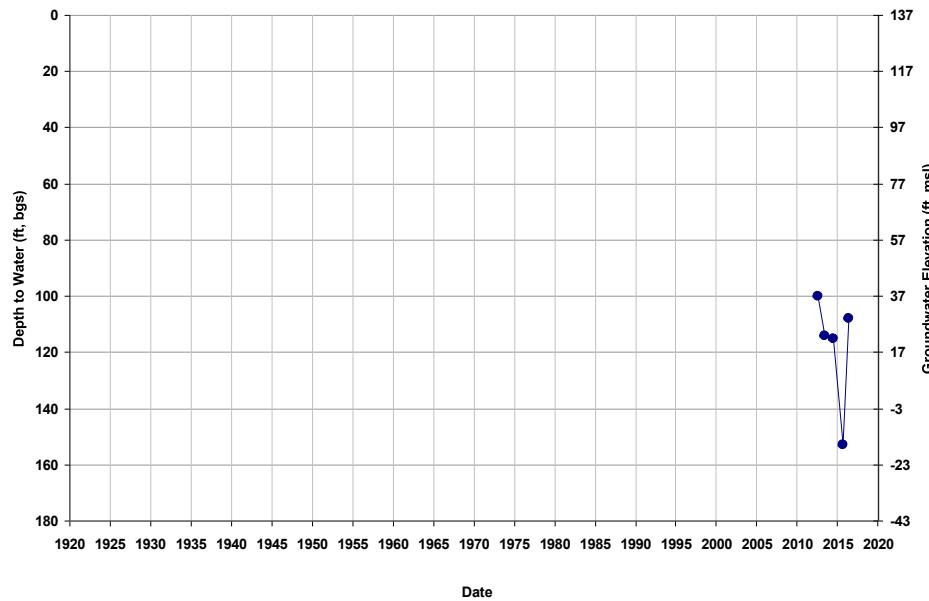
Well ID: TTR-43
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 133
Total Depth (ft): 280
Perf Top (ft): 190
Perf Bottom (ft): 276



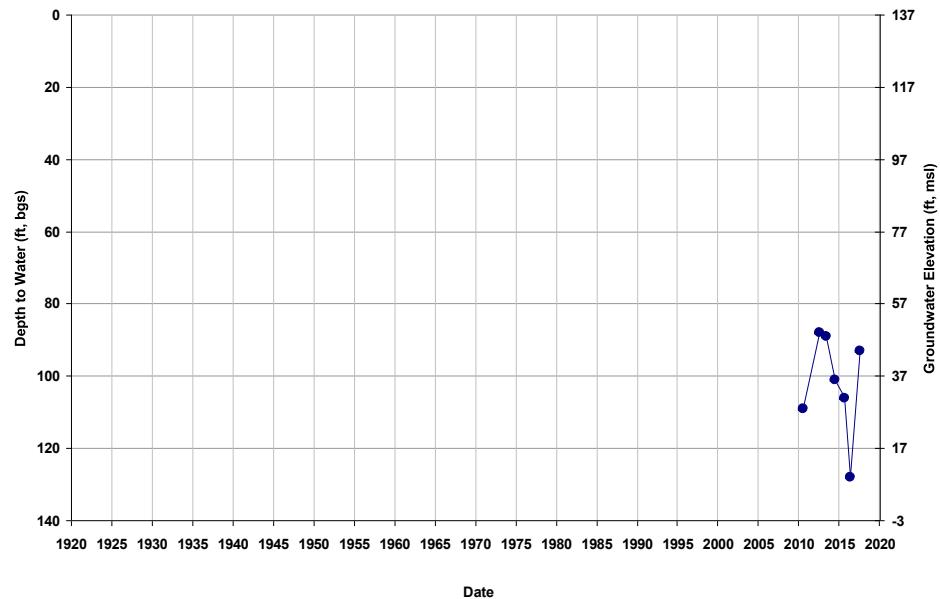
Well ID: TTR-44
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 137
Total Depth (ft): 260
Perf Top (ft): 210
Perf Bottom (ft): 256



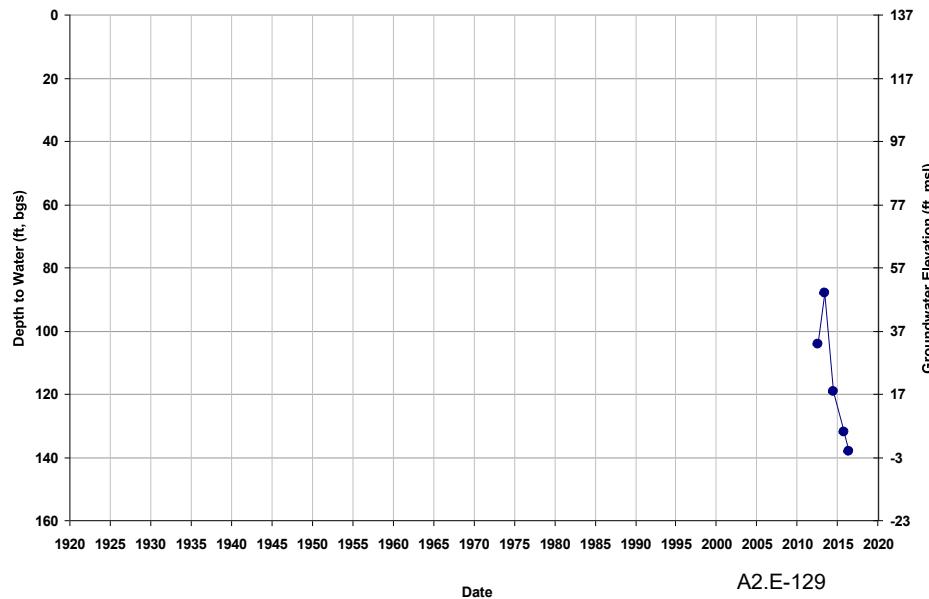
Well ID: TTR-45
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 137
Total Depth (ft): 300
Perf Top (ft): 100
Perf Bottom (ft): 300



Well ID: TTR-46
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

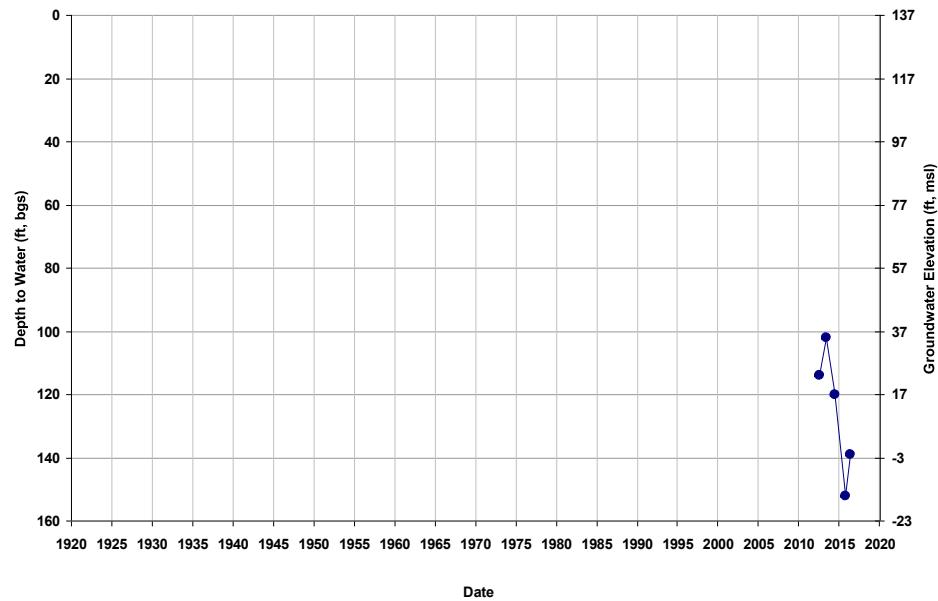
GSE (ft, msl): 137
Total Depth (ft): 300
Perf Top (ft): 144
Perf Bottom (ft): 296



A2.E-129

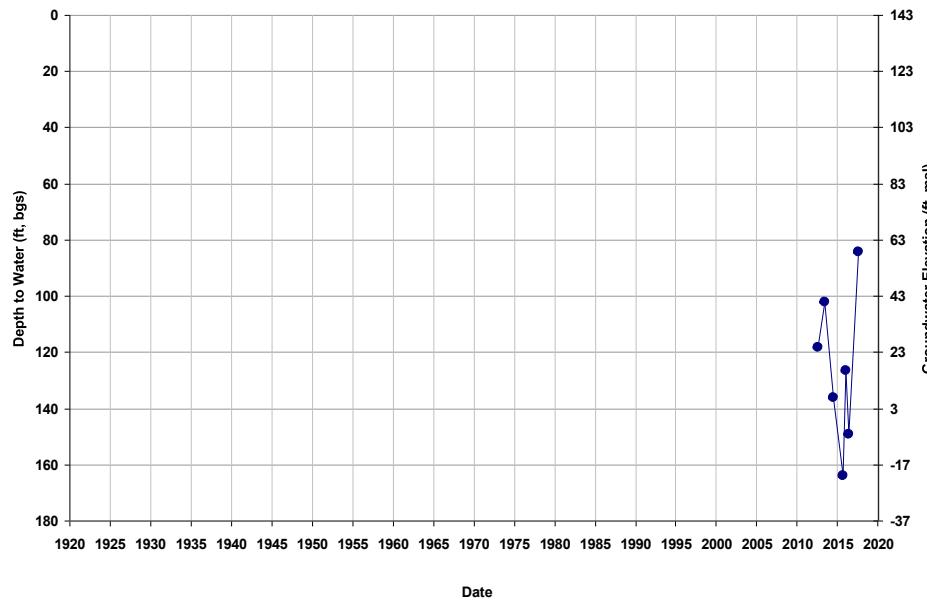
Well ID: TTR-47
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 137
Total Depth (ft): 260
Perf Top (ft): 188
Perf Bottom (ft): 247



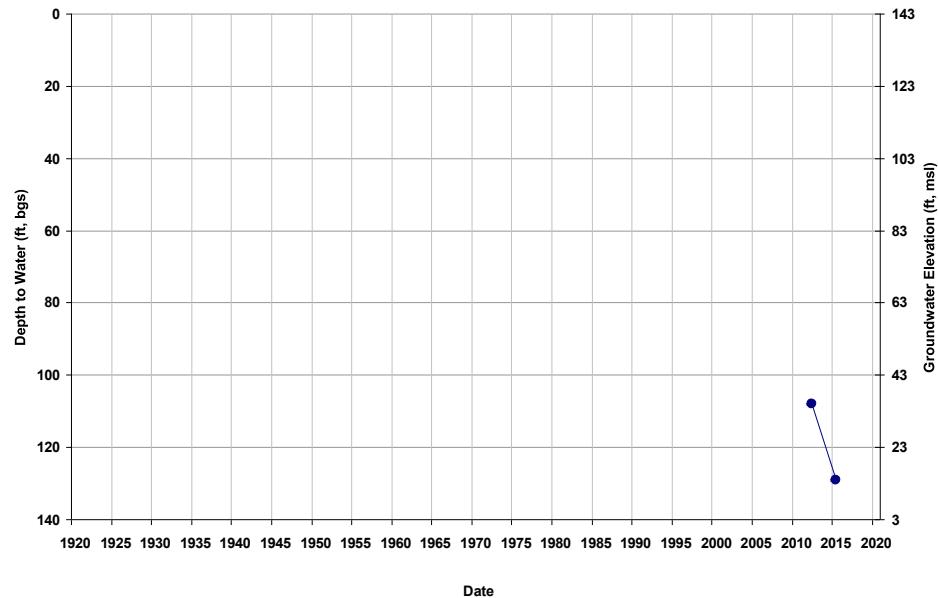
Well ID: TTR-48
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 143
Total Depth (ft): 233
Perf Top (ft): 190
Perf Bottom (ft): 233



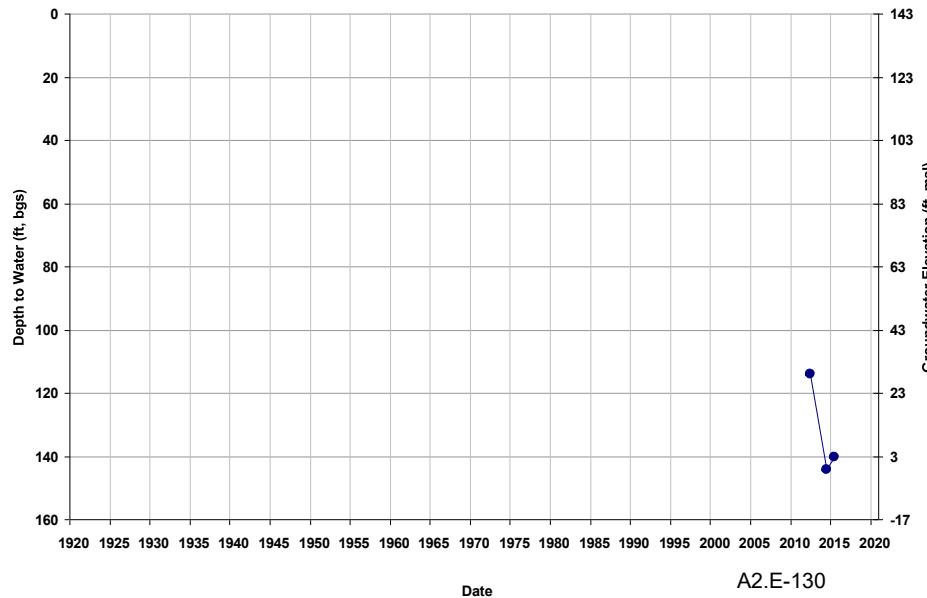
Well ID: TTR-49
Depth Zone: Composite; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 143
Total Depth (ft): 327
Perf Top (ft): 199
Perf Bottom (ft): 327



Well ID: TTR-50
Depth Zone: Composite; Within CC
Subbasin: Chowchilla

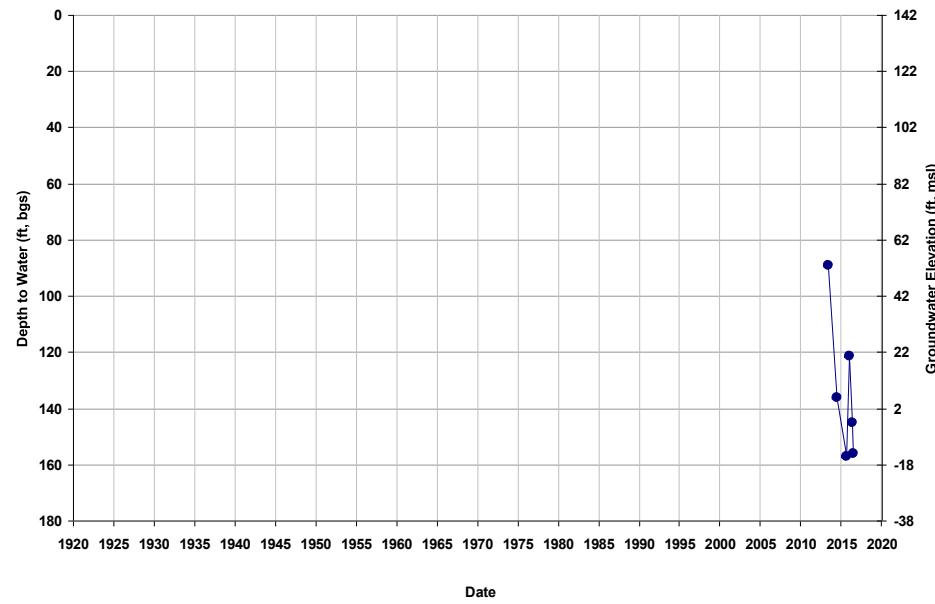
GSE (ft, msl): 143
Total Depth (ft): 408
Perf Top (ft): 192
Perf Bottom (ft): 408



A2.E-130

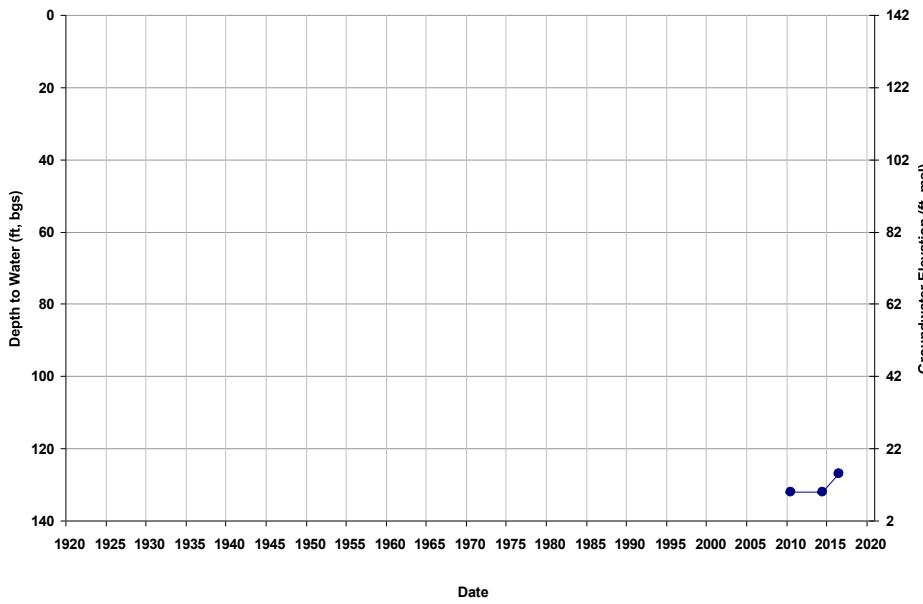
Well ID: TTR-51
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 141
Total Depth (ft): 203
Perf Top (ft): 143
Perf Bottom (ft): 203



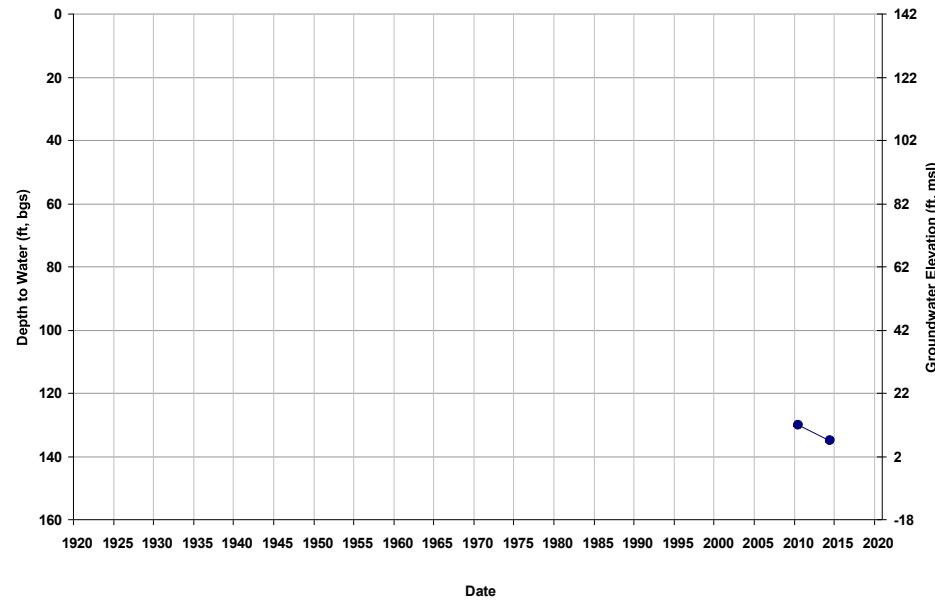
Well ID: TTR-52
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 142
Total Depth (ft): 165
Perf Top (ft): 93
Perf Bottom (ft): 172



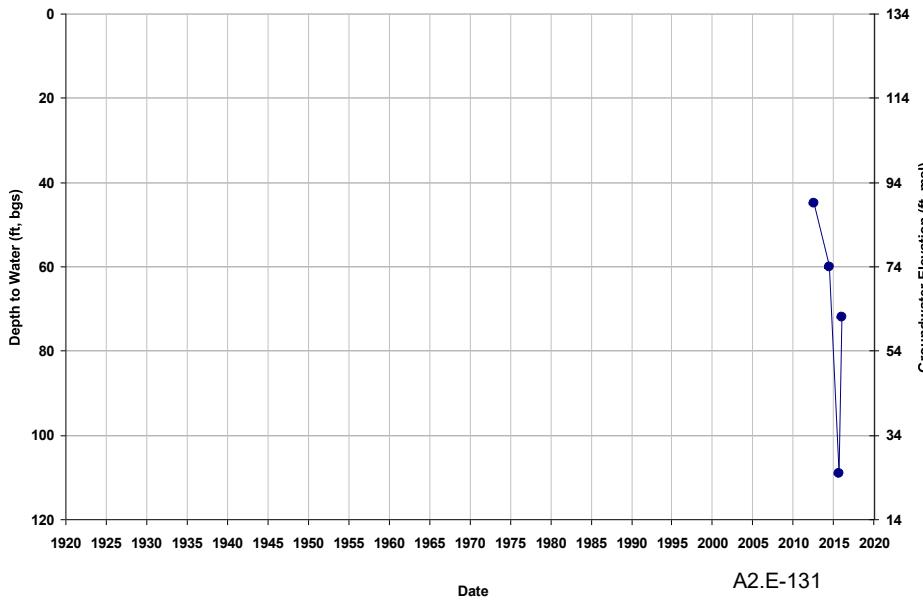
Well ID: TTR-53
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 142
Total Depth (ft): 217
Perf Top (ft): 118
Perf Bottom (ft): 217



Well ID: TTR-54
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

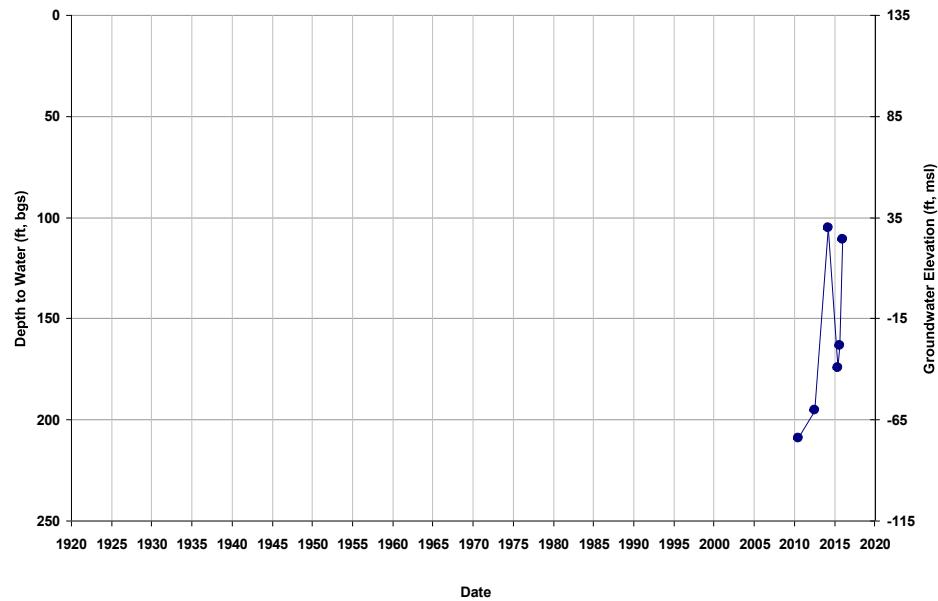
GSE (ft, msl): 134
Total Depth (ft): NA
Perf Top (ft): 216
Perf Bottom (ft): NA



A2.E-131

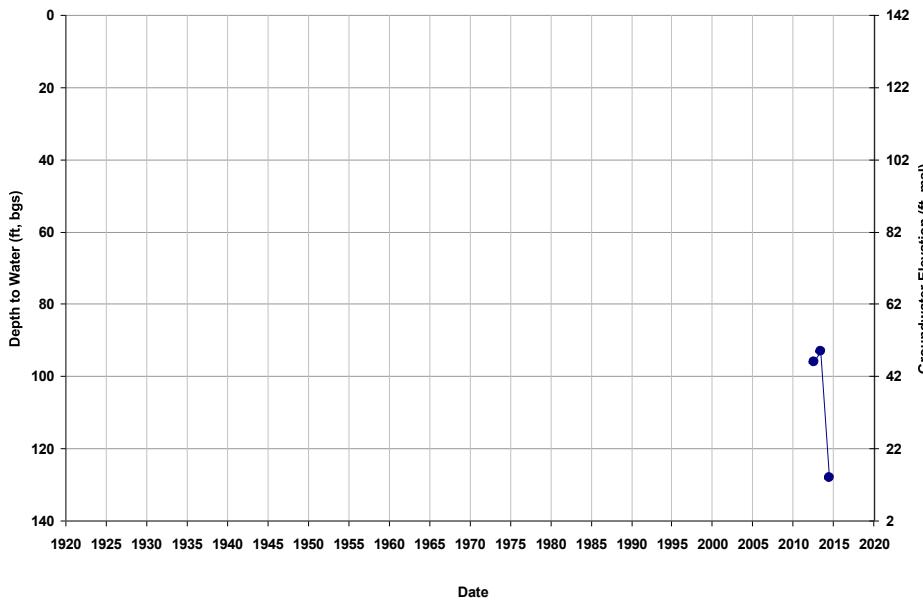
Well ID: TTR-55
Depth Zone: Lower; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 135
Total Depth (ft): 850
Perf Top (ft): 325
Perf Bottom (ft): 580



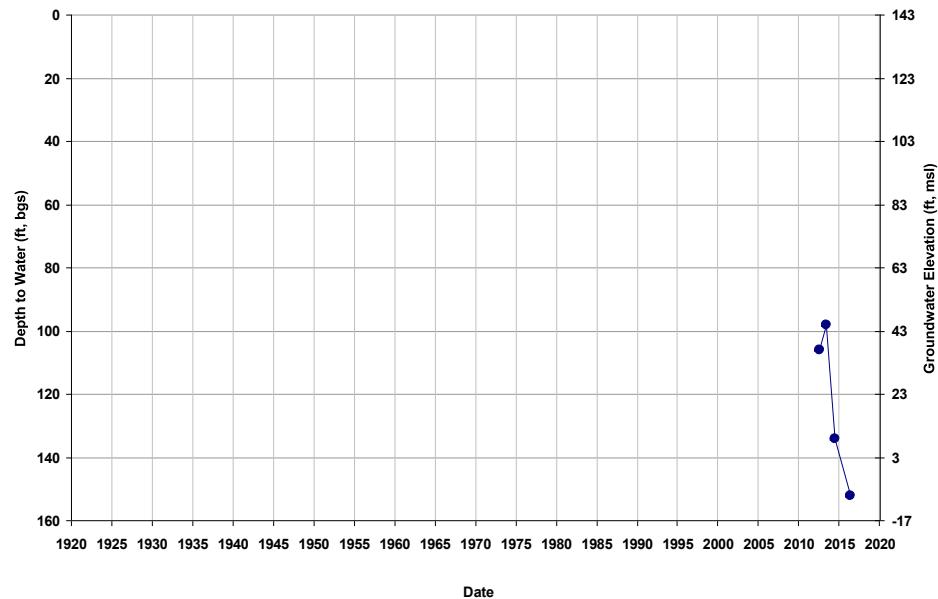
Well ID: TTR-56
Depth Zone: Composite; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 142
Total Depth (ft): 490
Perf Top (ft): 203
Perf Bottom (ft): 490



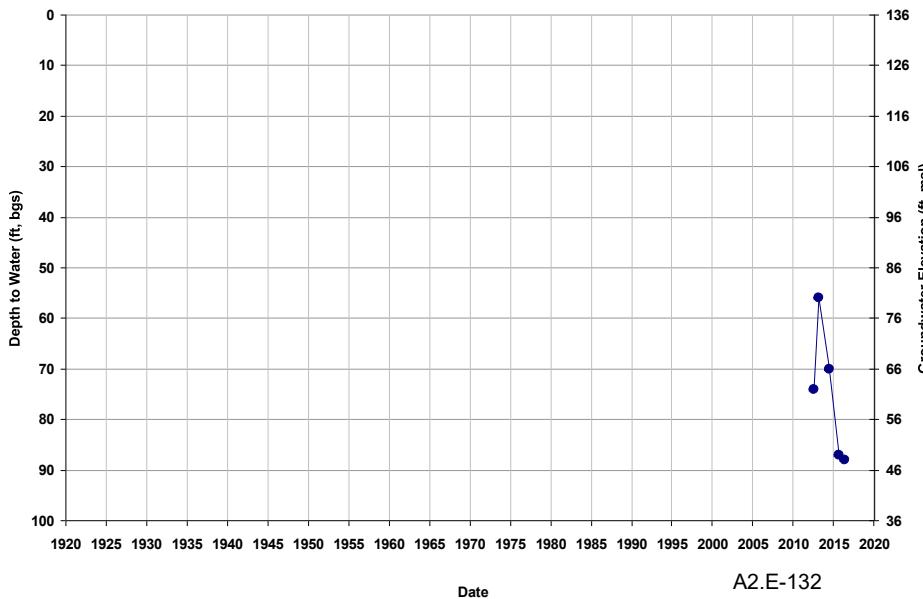
Well ID: TTR-57
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 143
Total Depth (ft): 272
Perf Top (ft): 175
Perf Bottom (ft): 272



Well ID: TTR-58
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

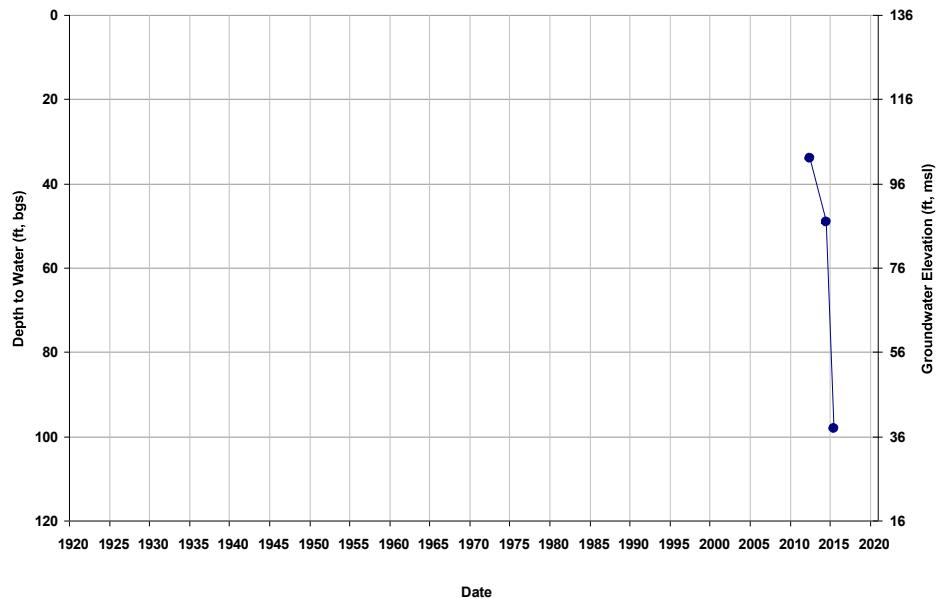
GSE (ft, msl): 136
Total Depth (ft): 212
Perf Top (ft): 138
Perf Bottom (ft): 220



A2.E-132

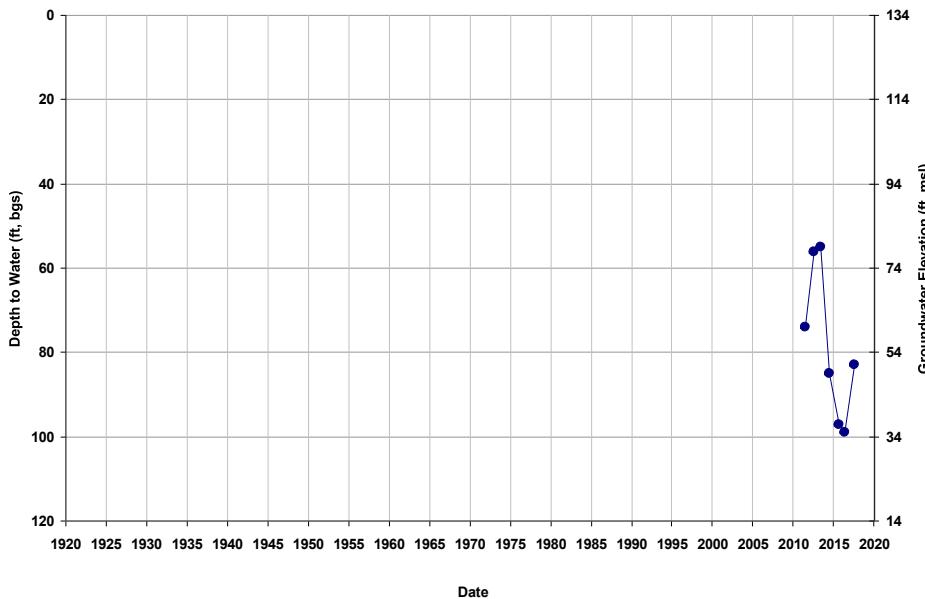
Well ID: TTR-59
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 135
Total Depth (ft): 143
Perf Top (ft): 72
Perf Bottom (ft): 143



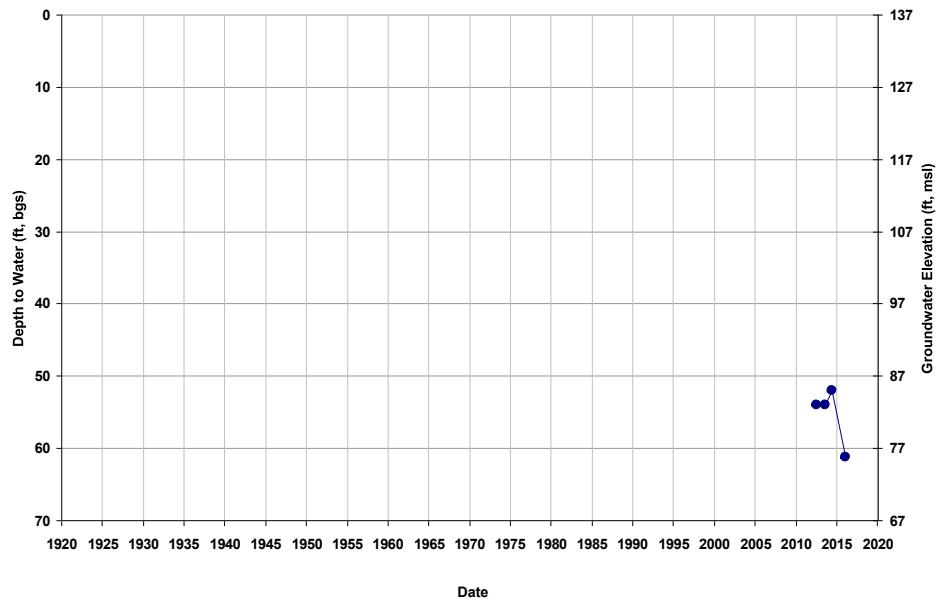
Well ID: TTR-6
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 134
Total Depth (ft): 196
Perf Top (ft): 158
Perf Bottom (ft): 192



Well ID: TTR-60
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 137
Total Depth (ft): 202
Perf Top (ft): 105
Perf Bottom (ft): 202



Well ID: TTR-61
Depth Zone: Lower; Within CC
Subbasin: Chowchilla

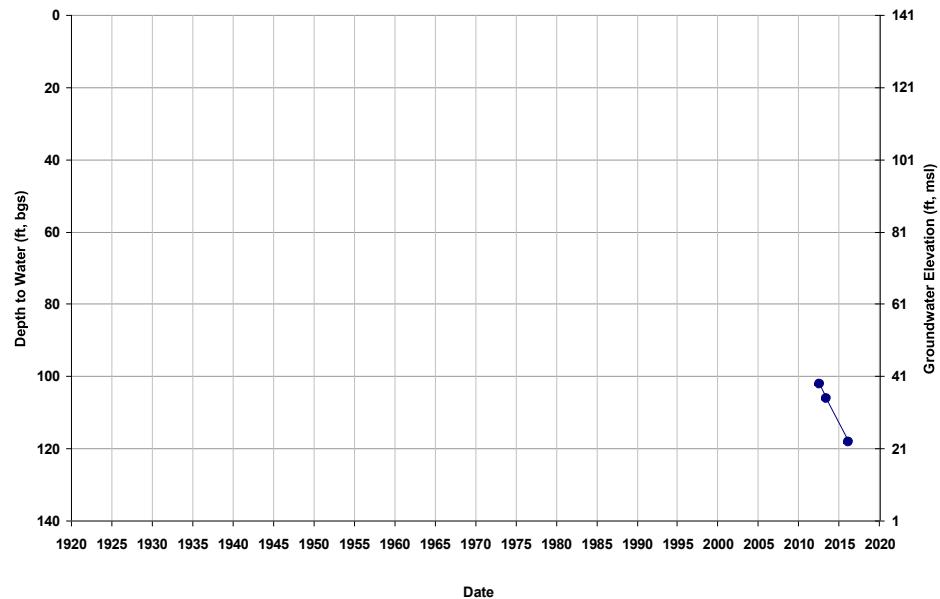
GSE (ft, msl): 137
Total Depth (ft): 840
Perf Top (ft): 320
Perf Bottom (ft): 820



A2.E-133

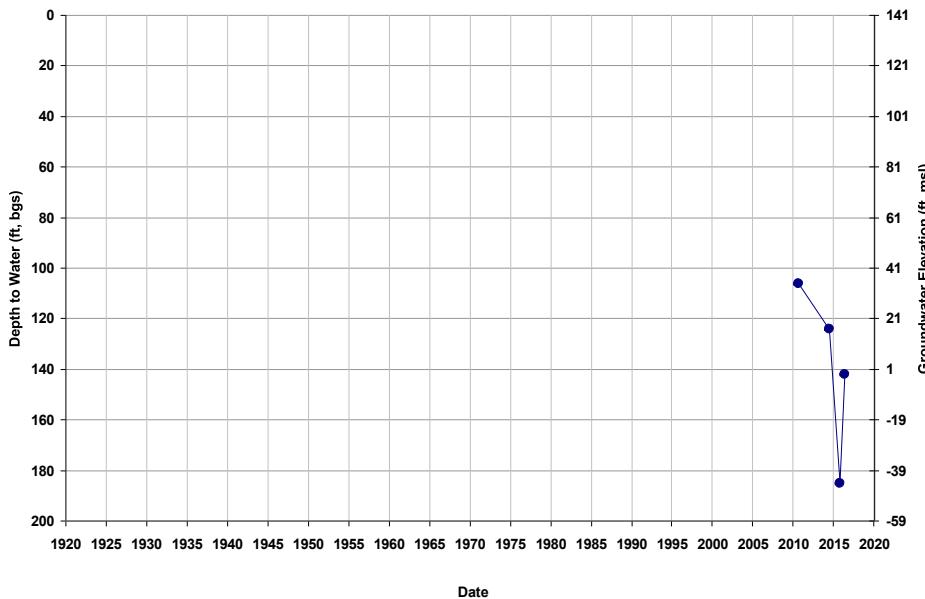
Well ID: TTR-62
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 141
Total Depth (ft): 284
Perf Top (ft): 168
Perf Bottom (ft): 235



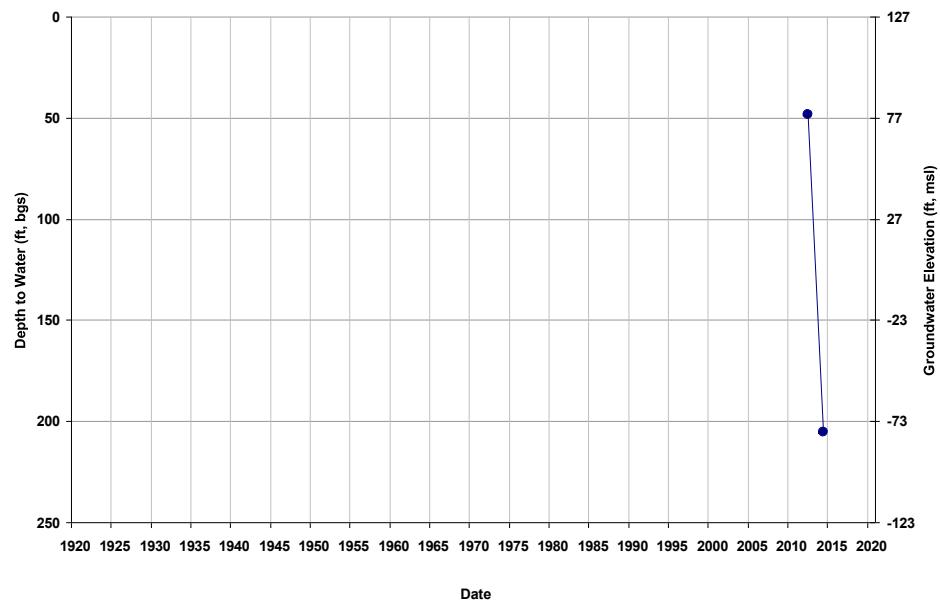
Well ID: TTR-63
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 140
Total Depth (ft): 286
Perf Top (ft): 192
Perf Bottom (ft): 286



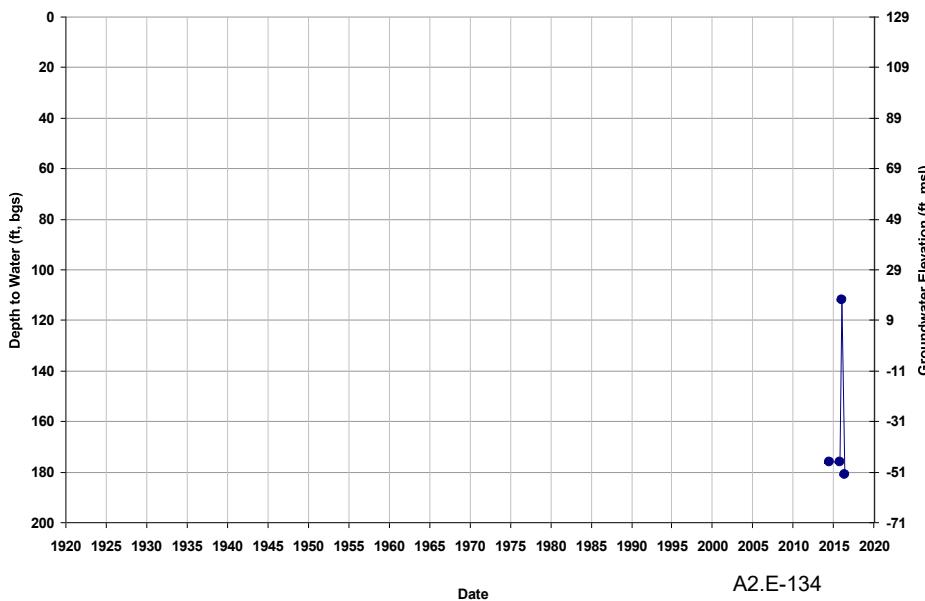
Well ID: TTR-64
Depth Zone: Lower; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 127
Total Depth (ft): 870
Perf Top (ft): 295
Perf Bottom (ft): 850



Well ID: TTR-66
Depth Zone: Lower; Within CC
Subbasin: Chowchilla

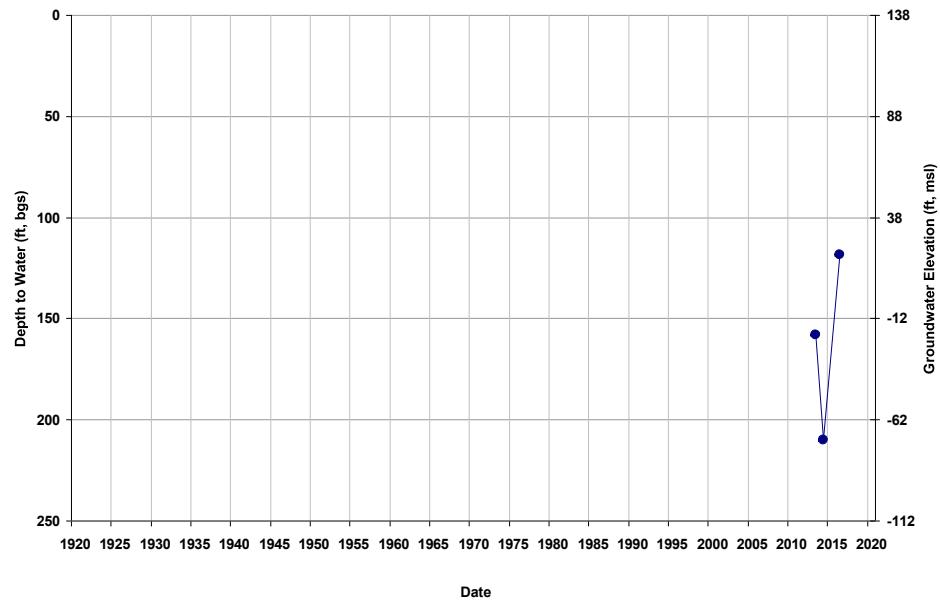
GSE (ft, msl): 128
Total Depth (ft): 870
Perf Top (ft): 300
Perf Bottom (ft): 850



A2.E-134

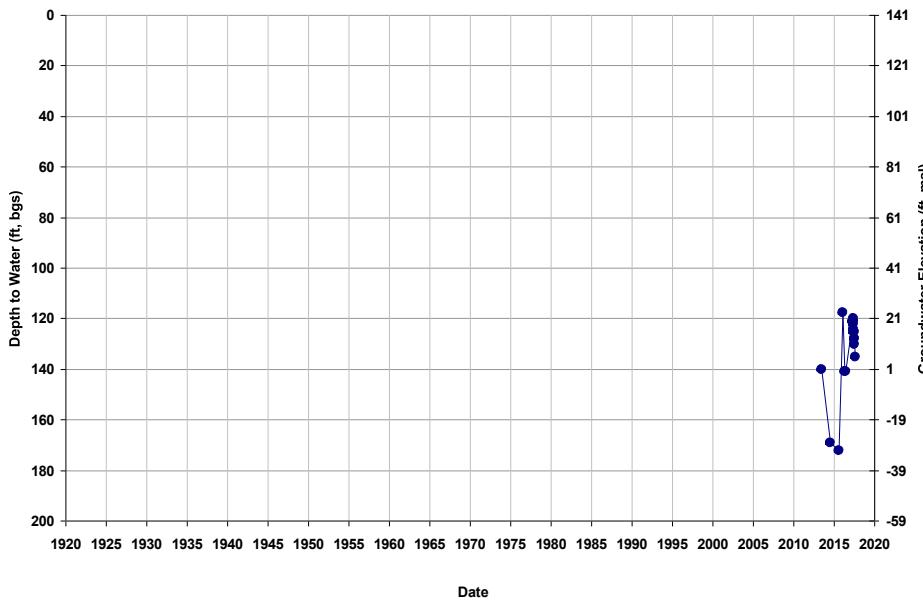
Well ID: TTR-67
Depth Zone: Lower; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 138
Total Depth (ft): 850
Perf Top (ft): 325
Perf Bottom (ft): 830



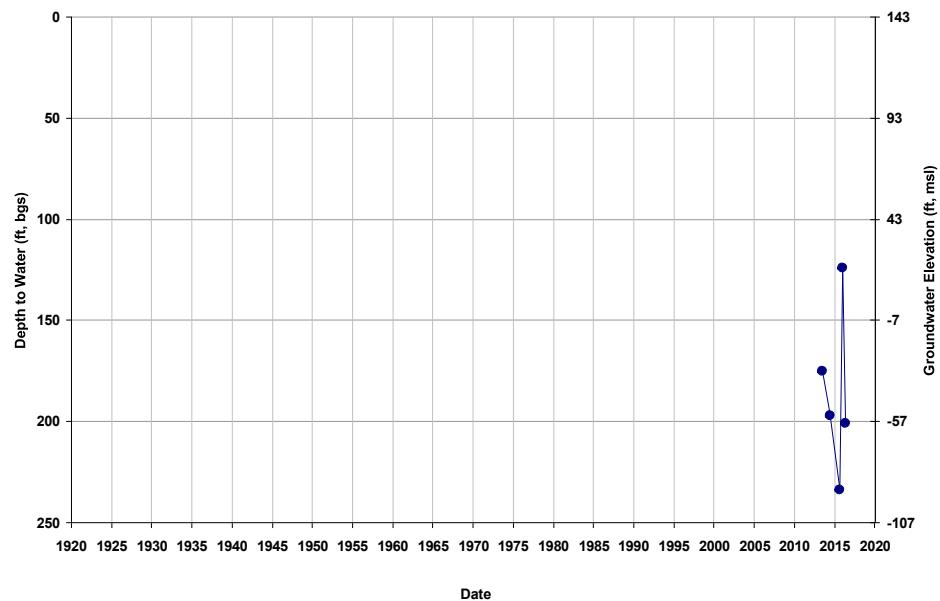
Well ID: TTR-68
Depth Zone: Composite; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 140
Total Depth (ft): 840
Perf Top (ft): 190
Perf Bottom (ft): 810



Well ID: TTR-69
Depth Zone: Composite; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 143
Total Depth (ft): 750
Perf Top (ft): 190
Perf Bottom (ft): 730



Well ID: TTR-7
Depth Zone: Lower; Within CC
Subbasin: Chowchilla

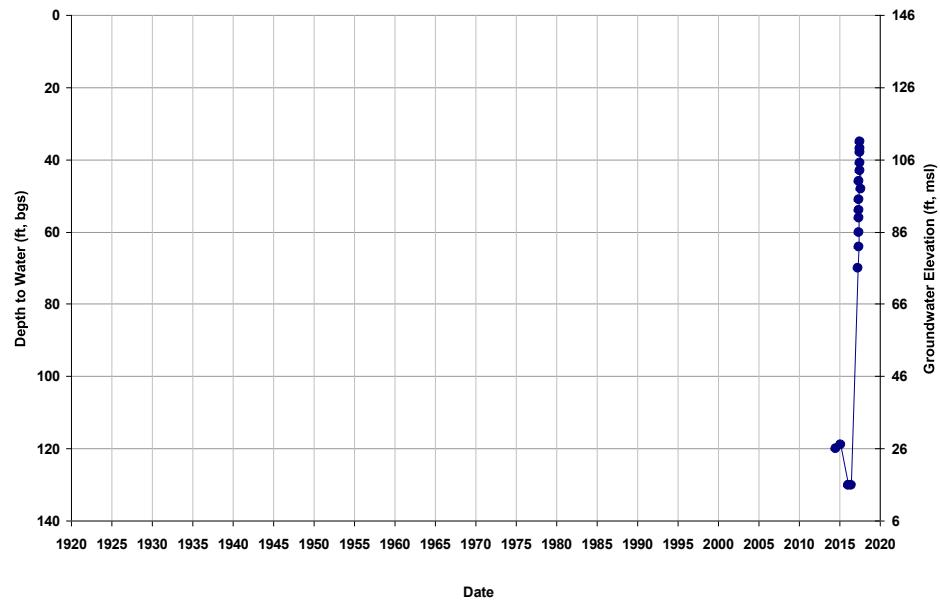
GSE (ft, msl): 136
Total Depth (ft): 795
Perf Top (ft): 290
Perf Bottom (ft): 775



A2.E-135

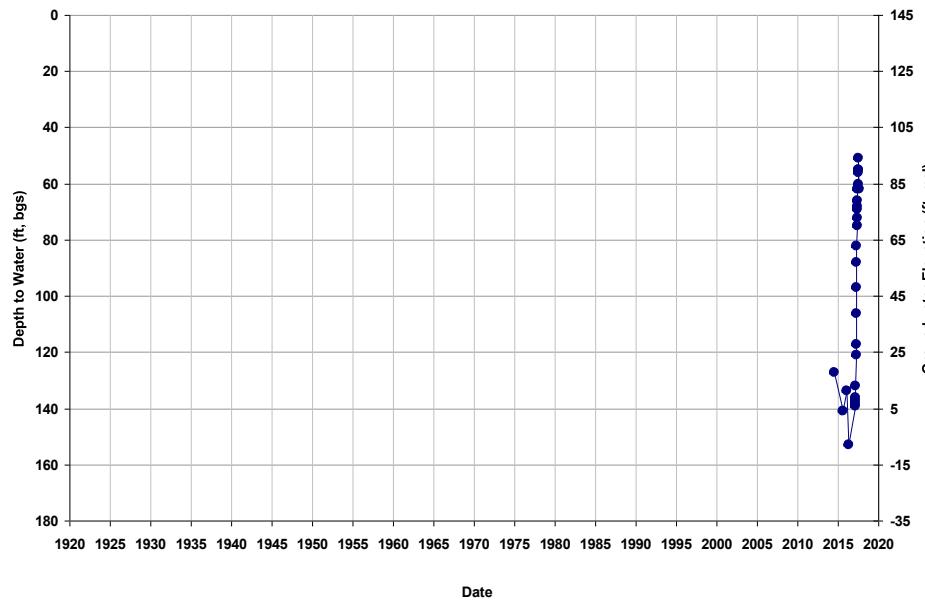
Well ID: TTR-70
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 145
Total Depth (ft): 260
Perf Top (ft): 90
Perf Bottom (ft): 220



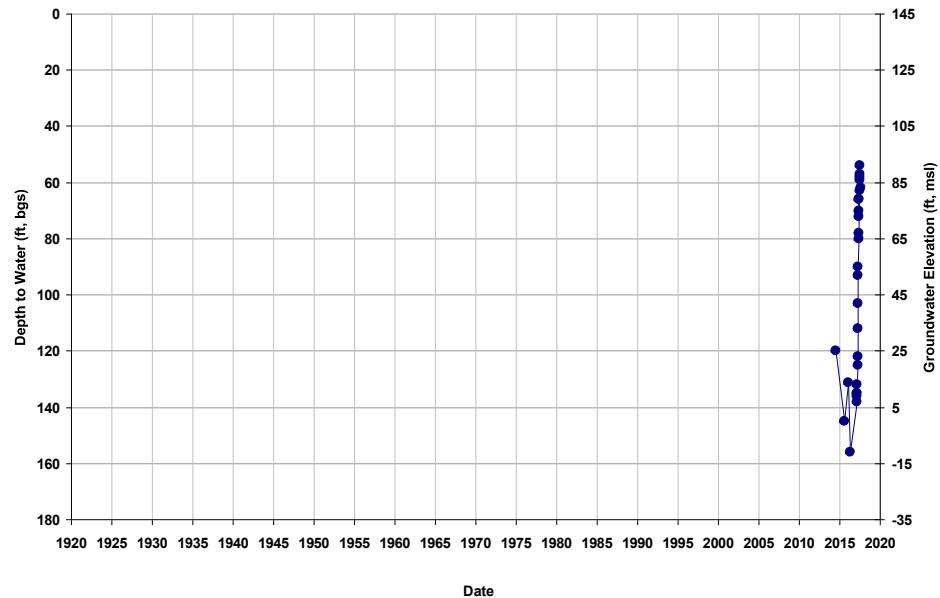
Well ID: TTR-71
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 144
Total Depth (ft): 280
Perf Top (ft): 150
Perf Bottom (ft): 240



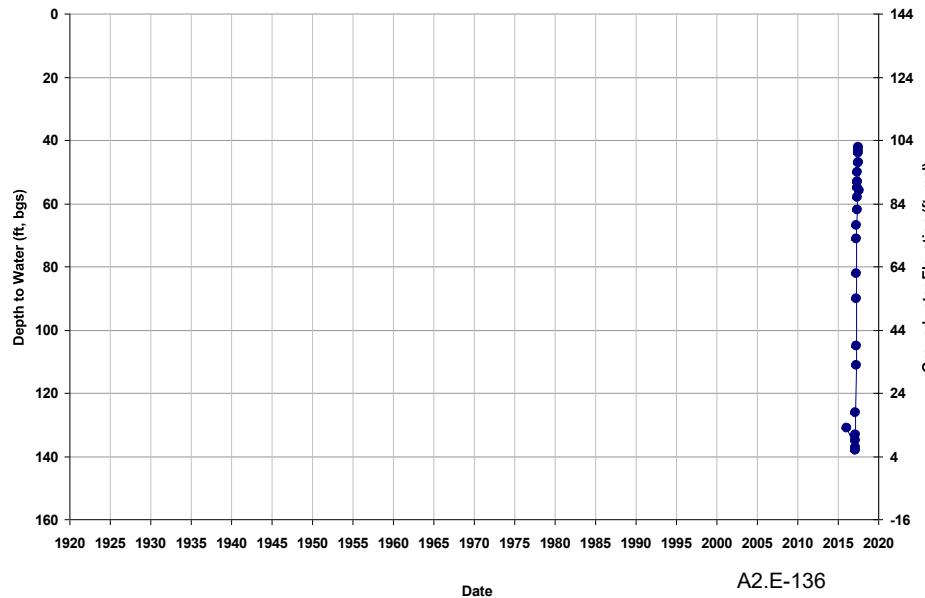
Well ID: TTR-72
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 145
Total Depth (ft): 280
Perf Top (ft): 150
Perf Bottom (ft): 240



Well ID: TTR-73
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

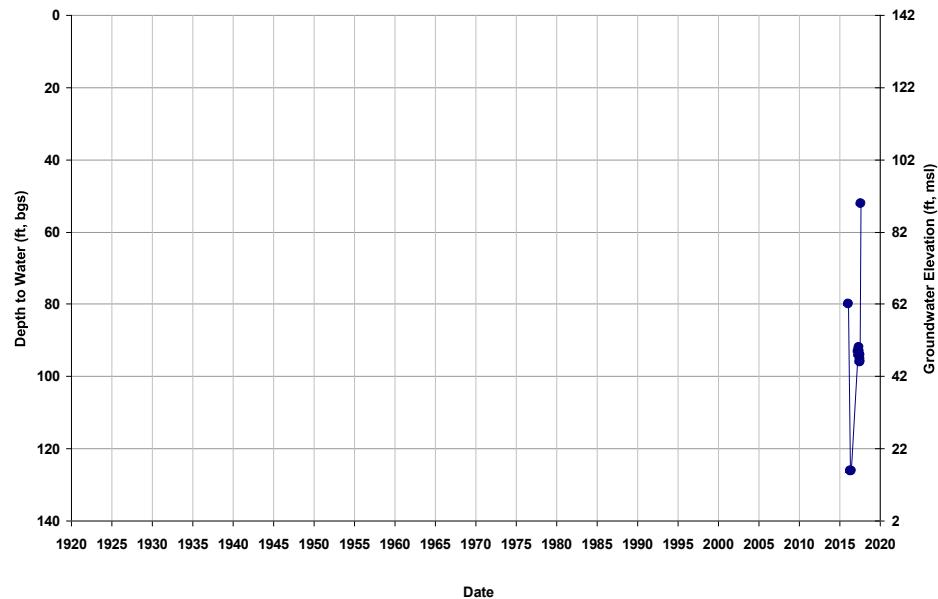
GSE (ft, msl): 143
Total Depth (ft): 280
Perf Top (ft): 150
Perf Bottom (ft): 240



A2.E-136

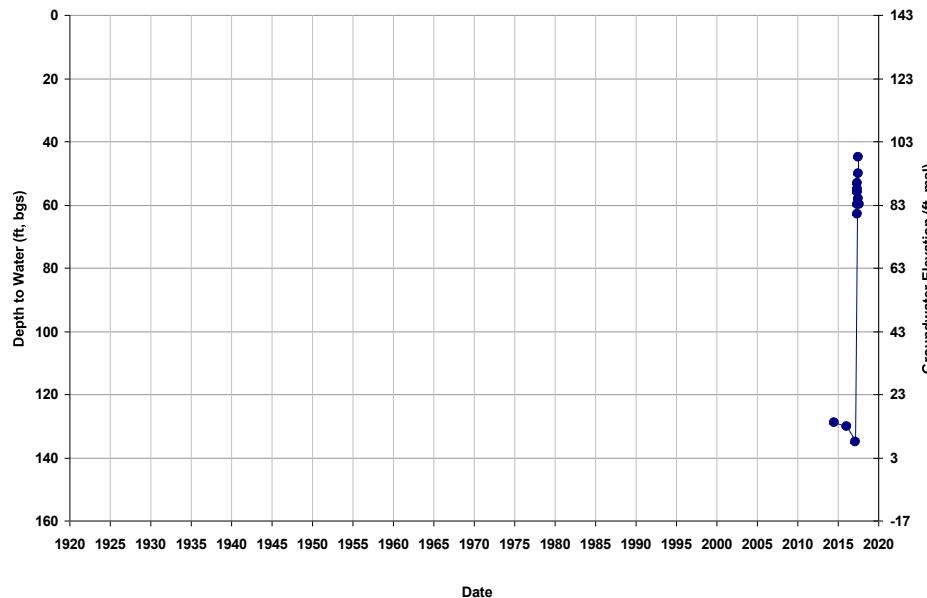
Well ID: TTR-74
Depth Zone: Composite; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 142
Total Depth (ft): 920
Perf Top (ft): NA
Perf Bottom (ft): NA

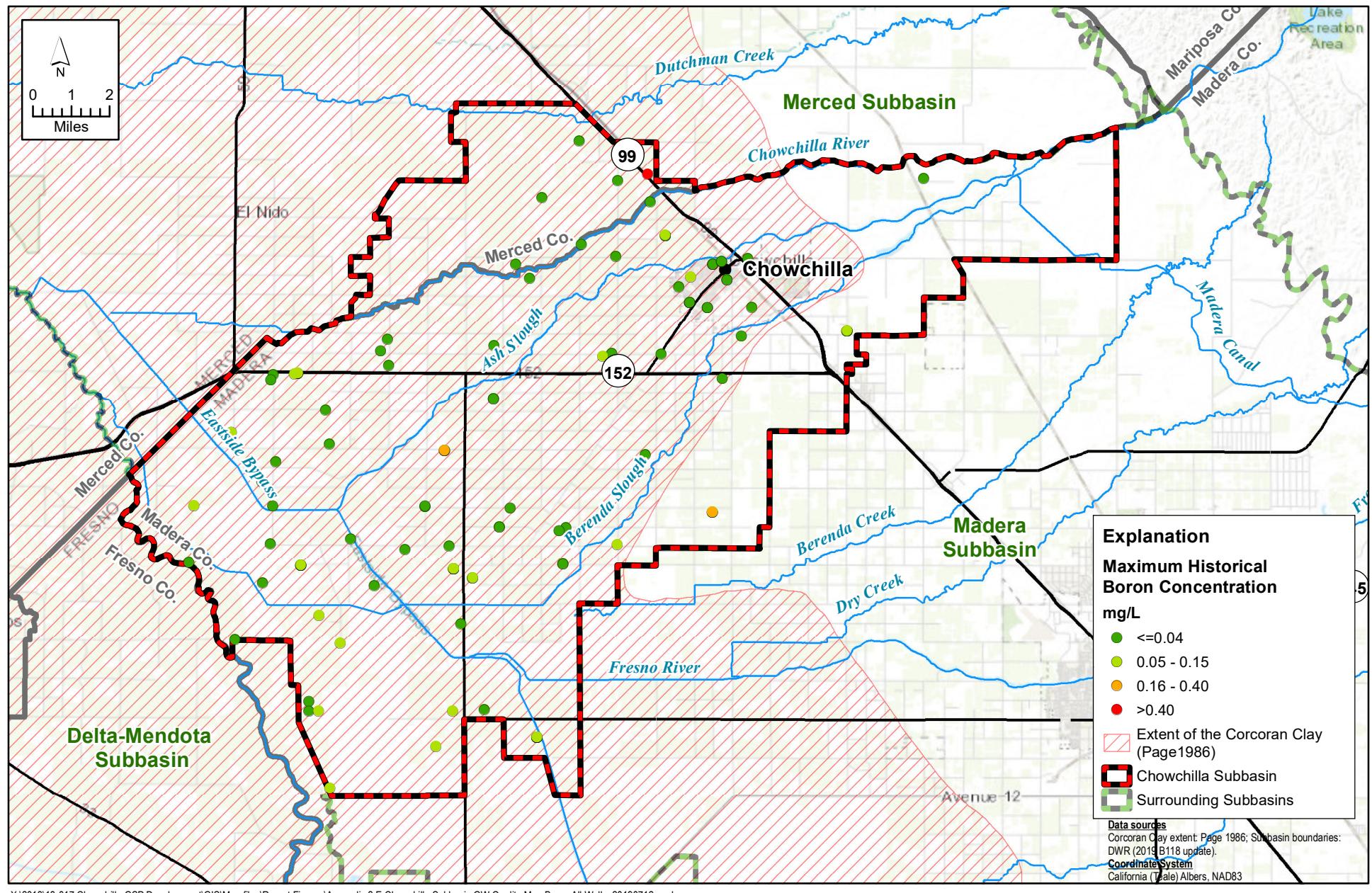


Well ID: TTR-75
Depth Zone: Upper; Within CC
Subbasin: Chowchilla

GSE (ft, msl): 143
Total Depth (ft): 280
Perf Top (ft): 150
Perf Bottom (ft): 240



Groundwater Quality Maps

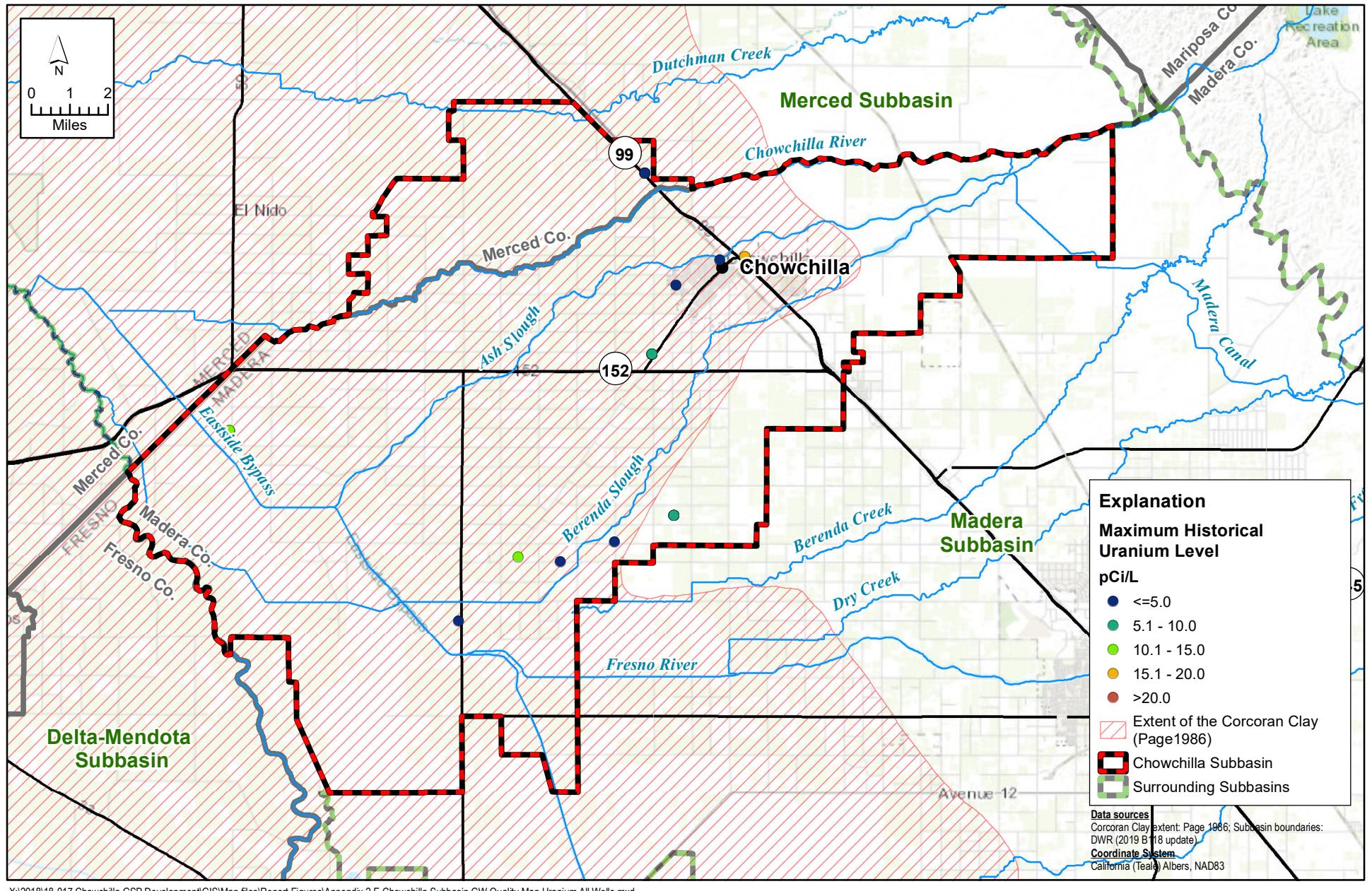


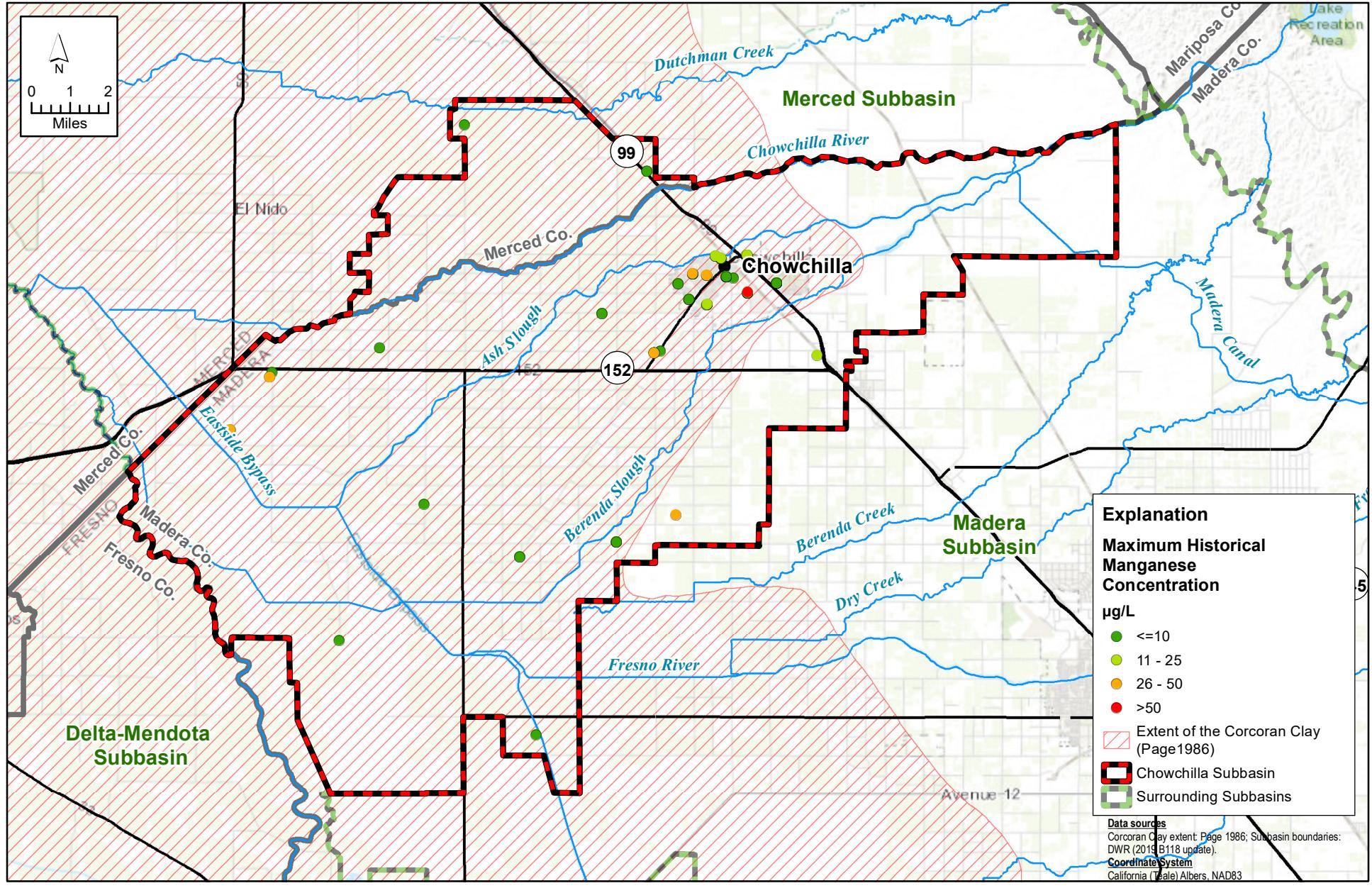
X:\2018\18-017 Chowchilla GSP Development\GIS\Map files\Report Figures\Appendix 2.E Chowchilla Subbasin GW Quality Map Boron All Wells_20190712.mxd



APPENDIX 2.E

Groundwater Quality Map: Boron Concentrations in All Wells



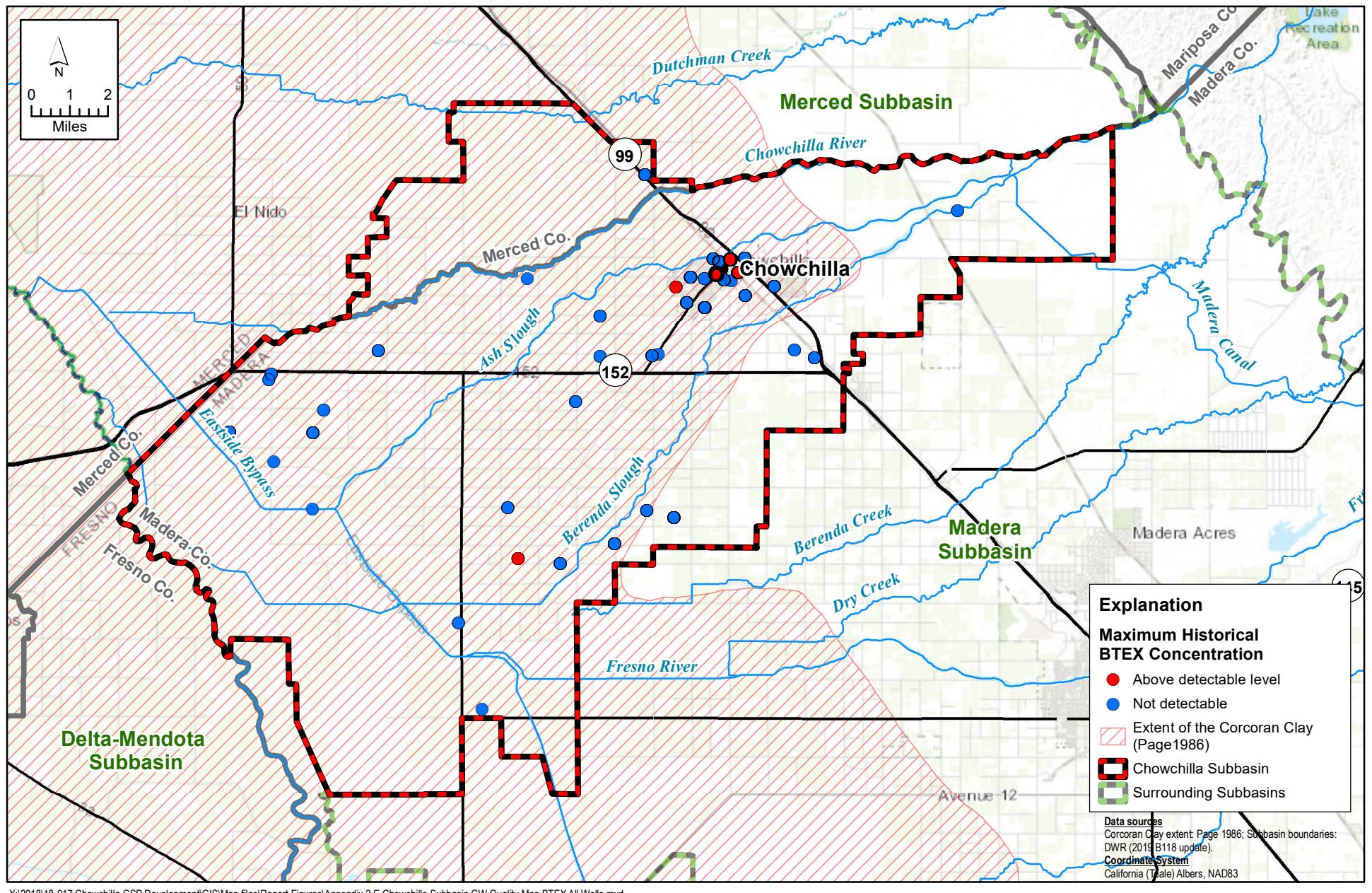


X:\201818-017 Chowchilla GSP Development\GIS\Map files\Report Figures\Appendix 2.E Chowchilla Subbasin GW Quality Map Manganese All Wells.mxd



APPENDIX 2.E

Groundwater Quality Map: Manganese Concentrations in All Wells



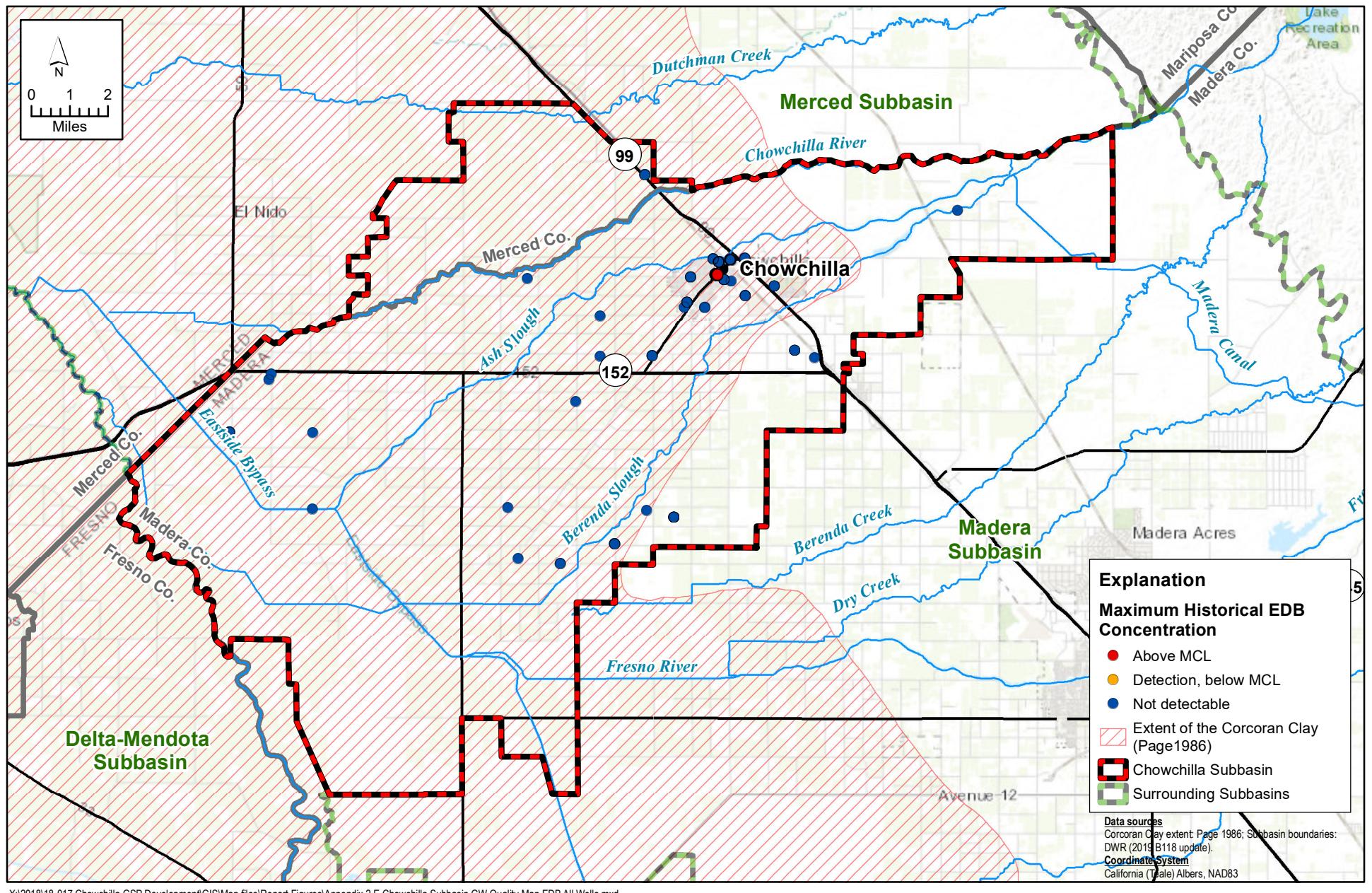
X:\2018\18-017 Chowchilla GSP Development\GIS\Map files\Report Figures\Appendix 2.E Chowchilla Subbasin GW Quality Map BTEX All Wells.mxd



APPENDIX 2.E

Map of Groundwater Quality: BTEX (Benzene, Toluene, Ethylbenze, Xylene) in All Wells

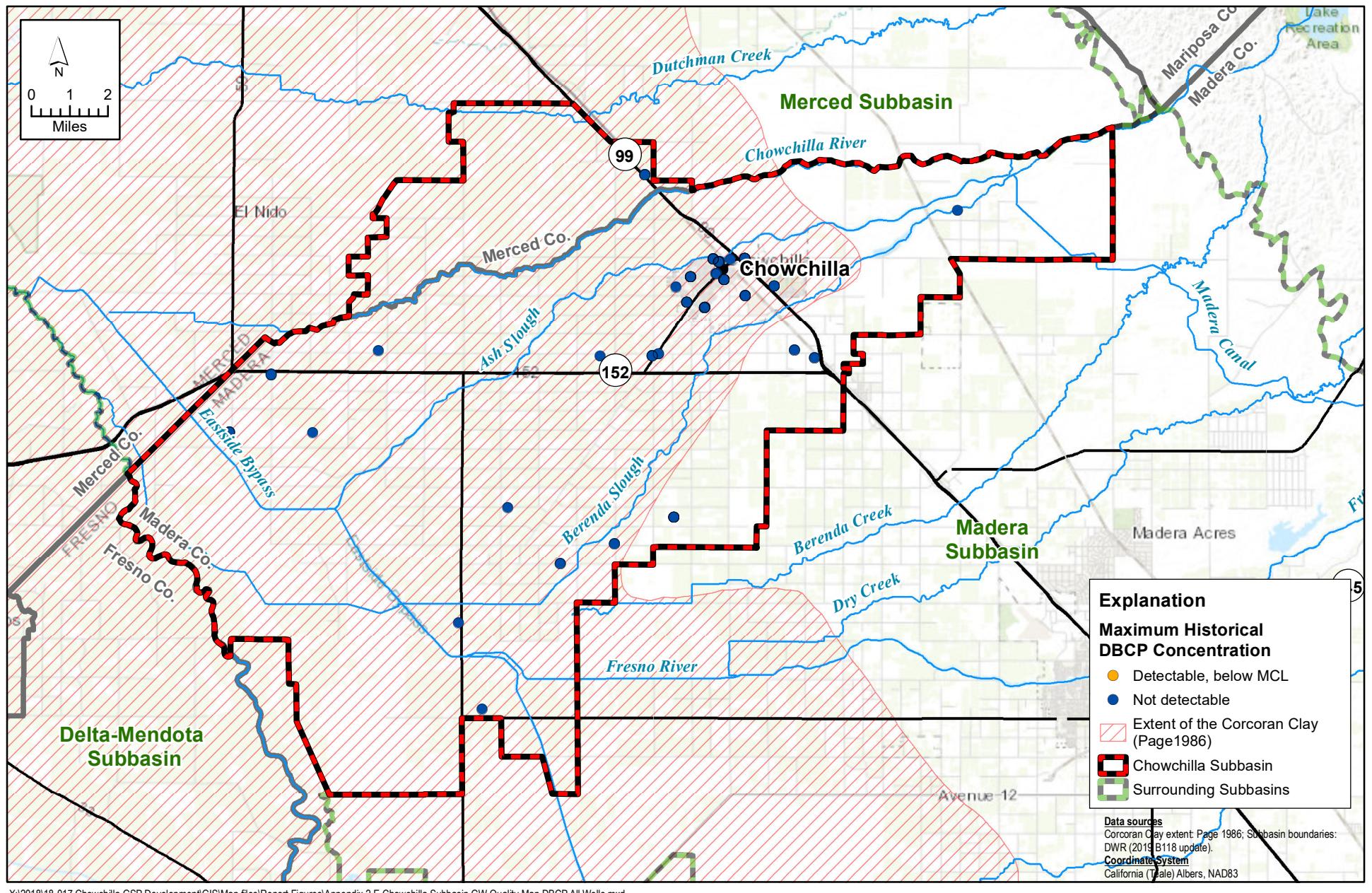
Chowchilla Subbasin A2.E-142
Groundwater Sustainability Plan



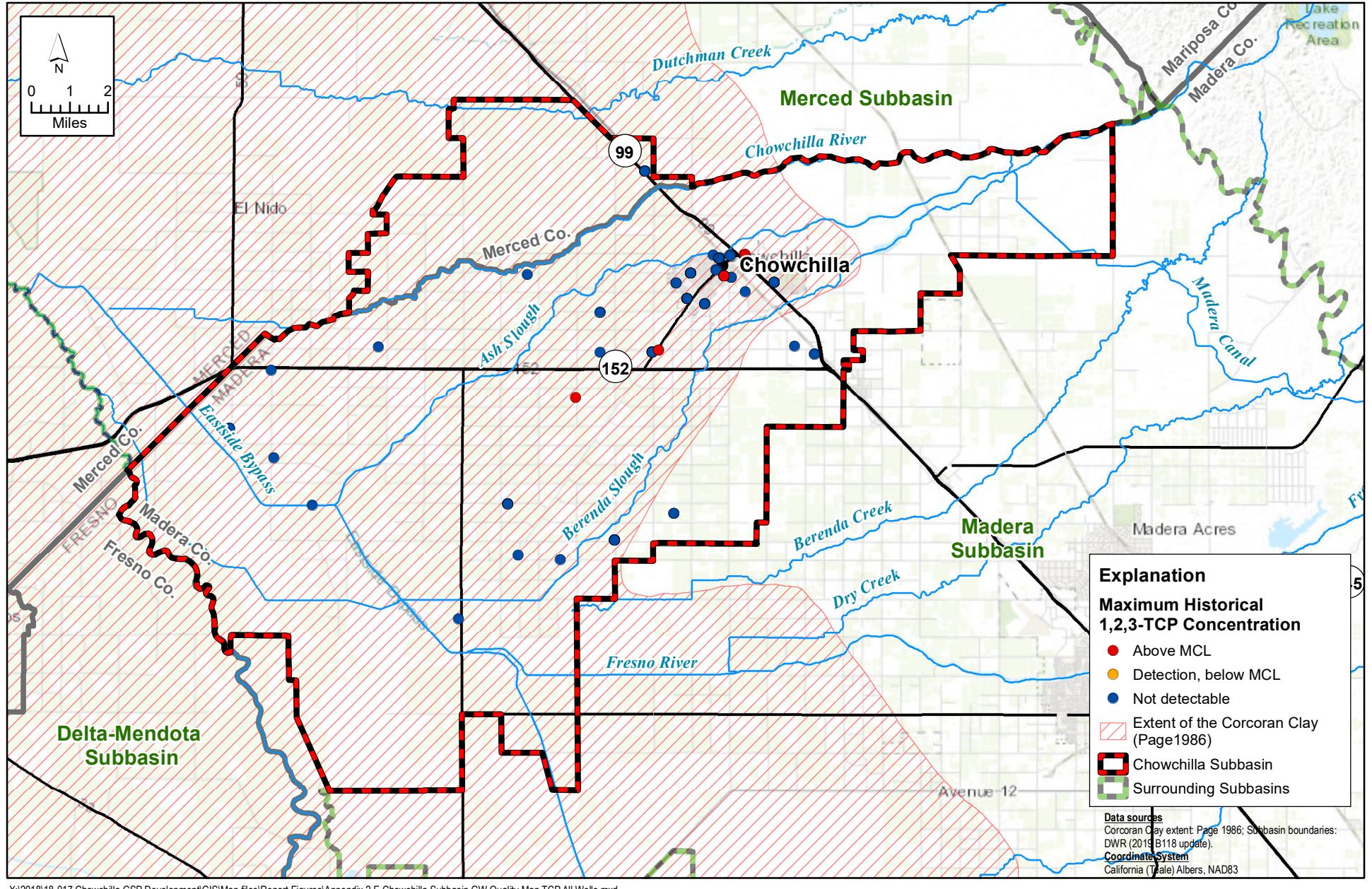
APPENDIX 2.E

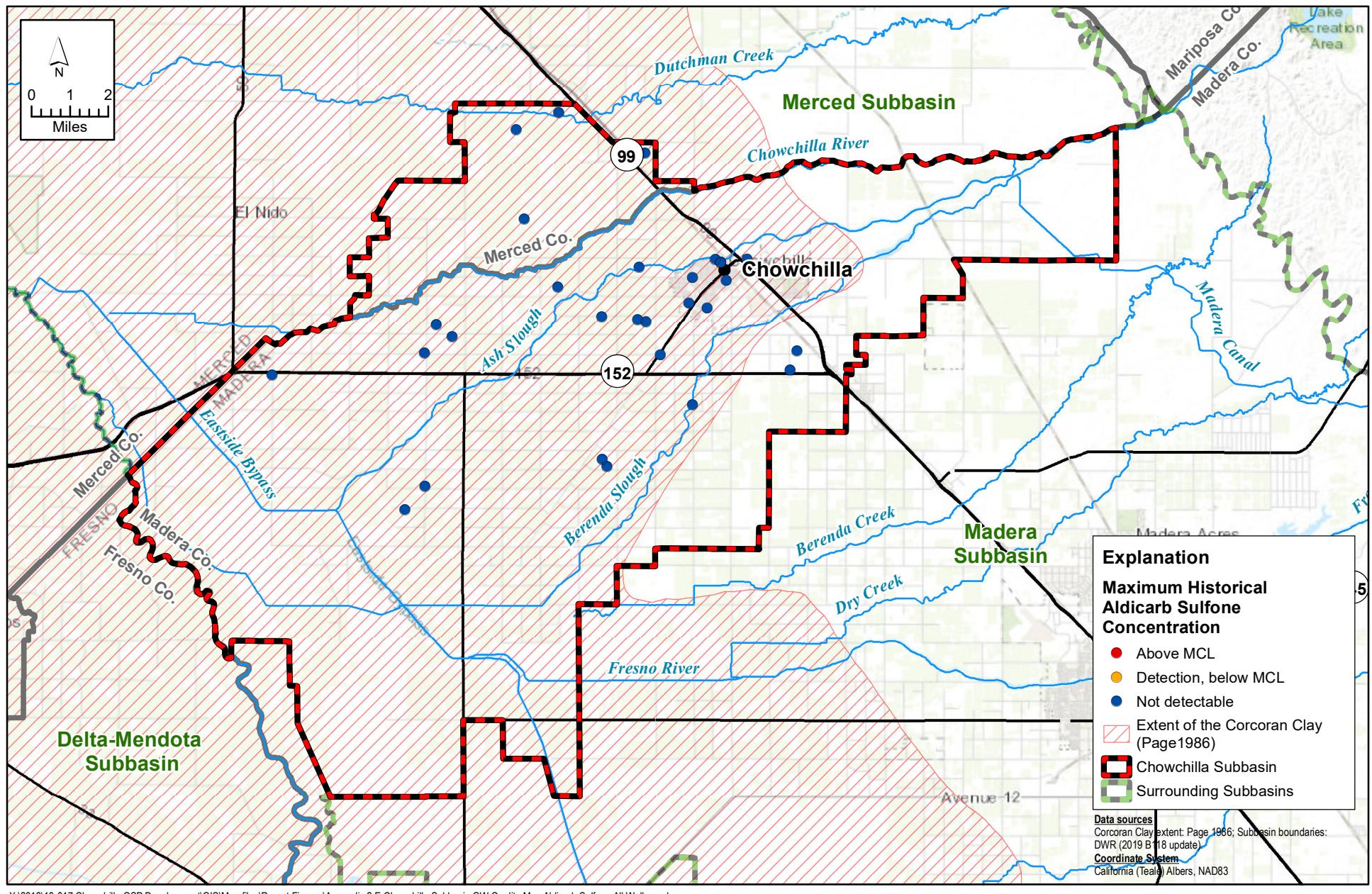
Groundwater Quality Map: Ethylene Dibromide Concentrations in All Wells

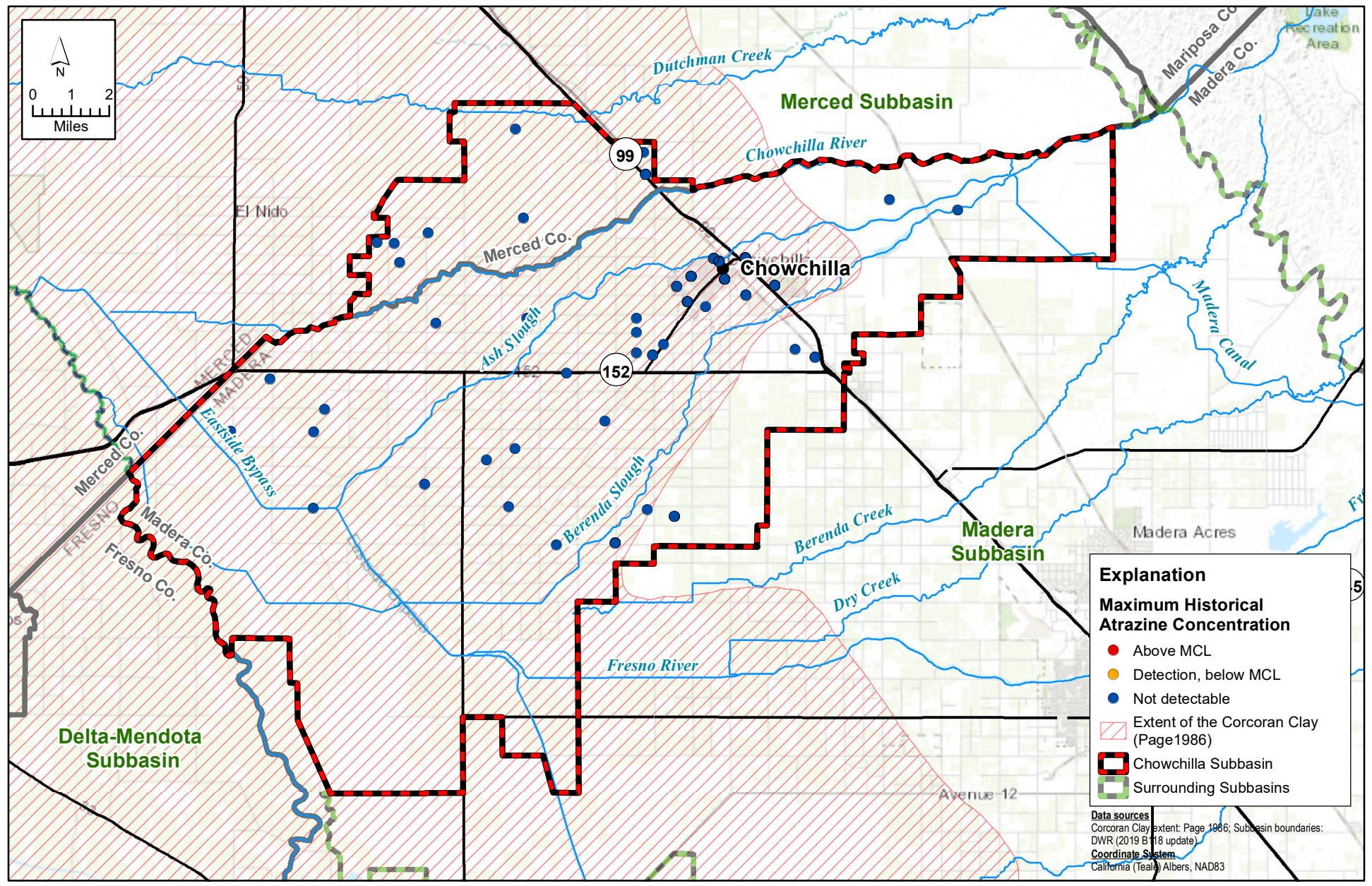
Chowchilla Subbasin A2.E-143
Groundwater Sustainability Plan



APPENDIX 2.E Groundwater Quality Map: DBCP Concentrations in All Wells

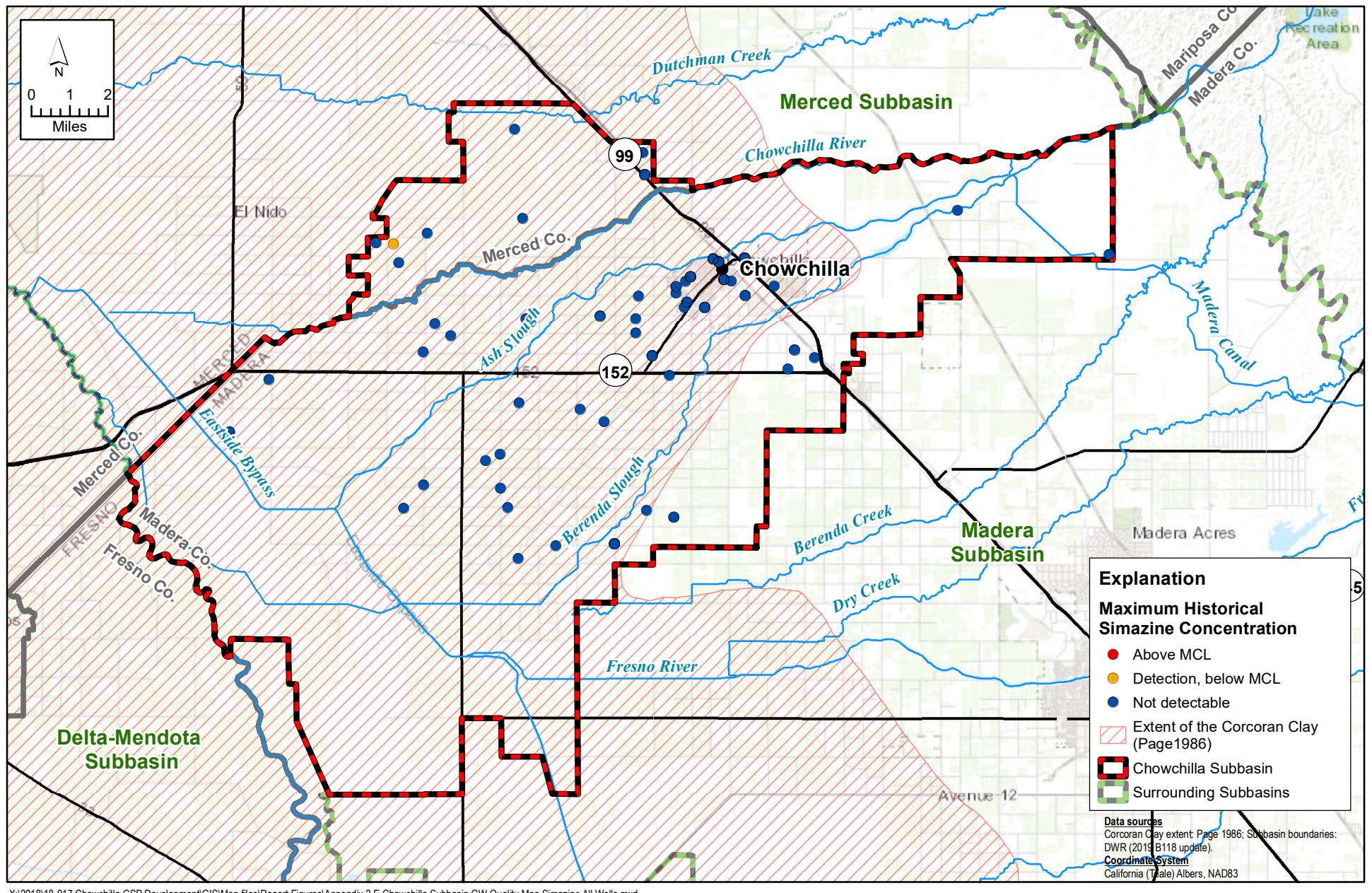






APPENDIX 2.E Groundwater Quality Map: Atrazine Concentrations in All Wells

Chowchilla Subbasin A2.E-147
Groundwater Sustainability Plan

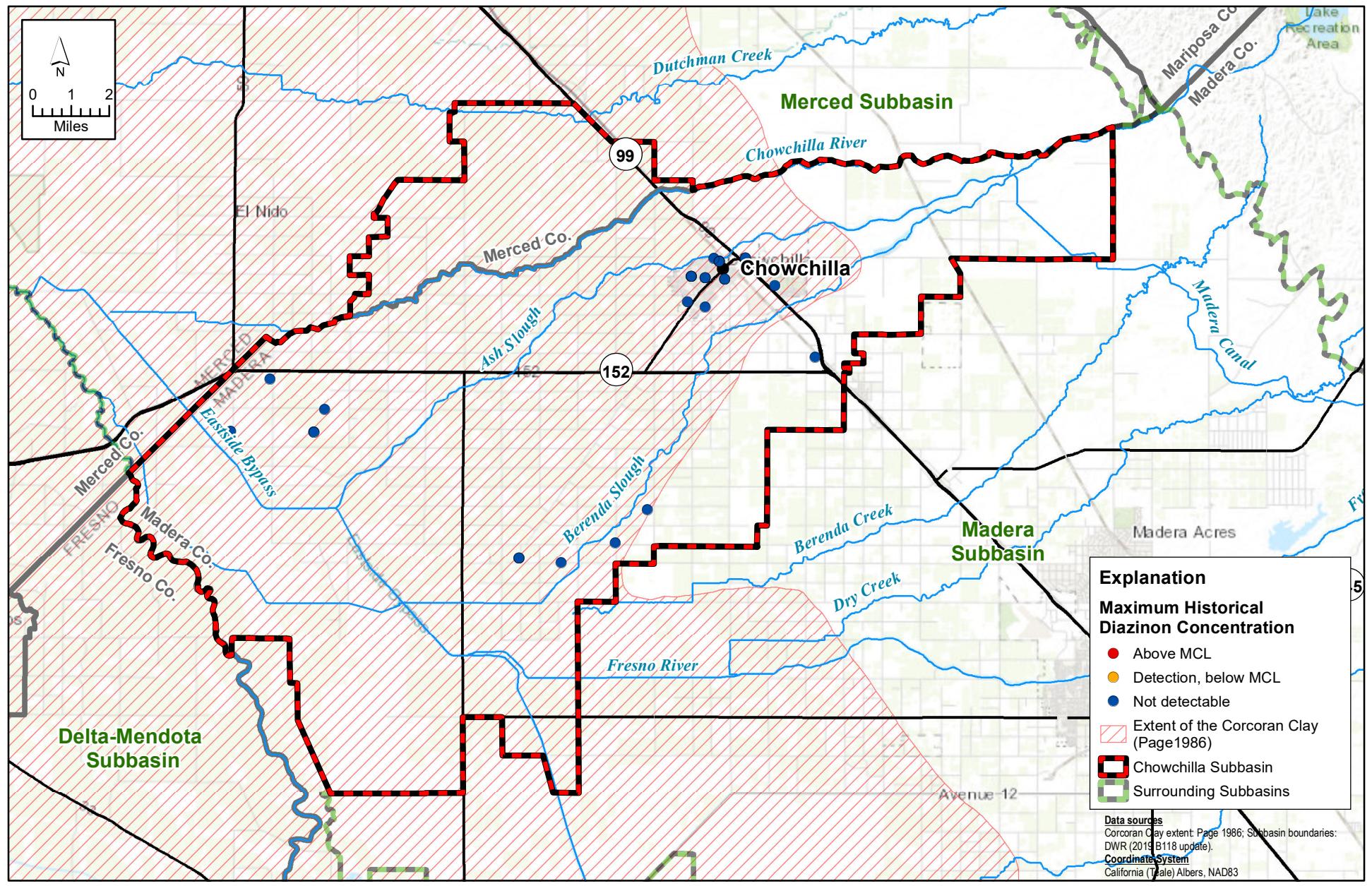


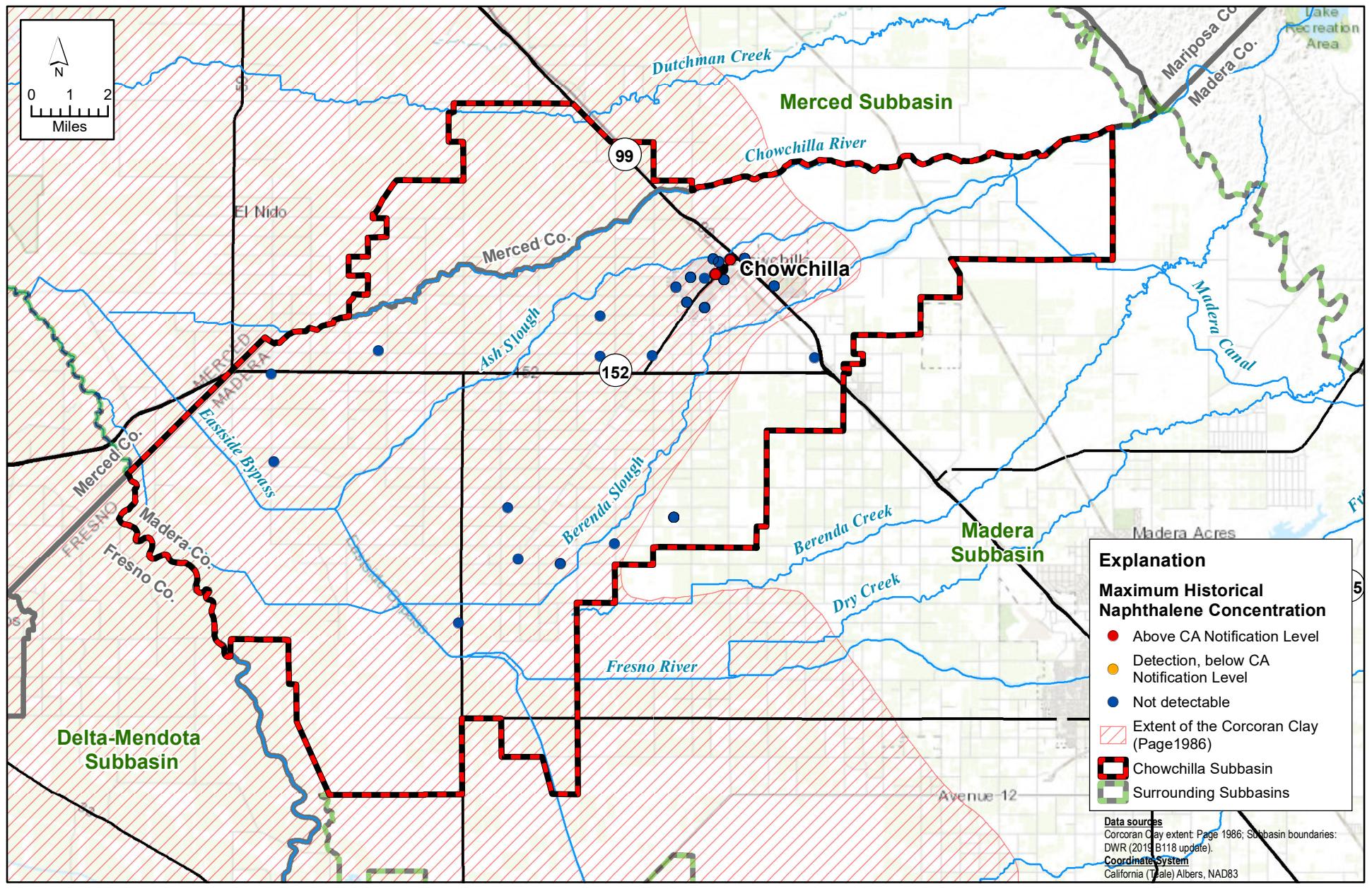
X:\2018\18-017 Chowchilla GSP Development\GIS\Map files\Report Figures\Appendix 2.E Chowchilla Subbasin GW Quality Map Simazine All Wells.mxd



APPENDIX 2.E Groundwater Quality Map: Simazine Concentrations in All Wells

Chowchilla Subbasin A2.E-148
Groundwater Sustainability Plan



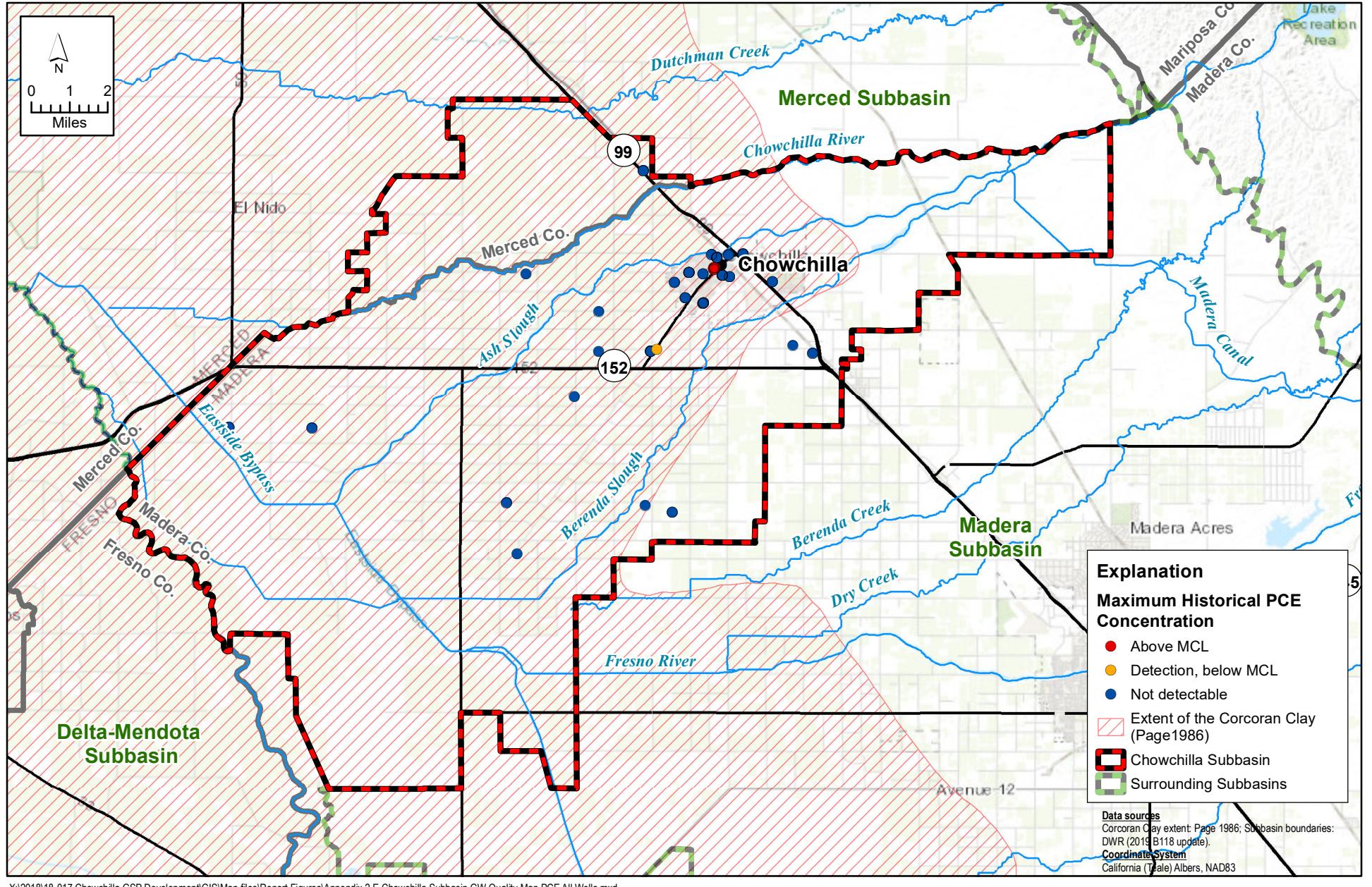


X:\2018\18-017 Chowchilla GSP Development\GIS\Map files\Report Figures\Appendix 2.E Chowchilla Subbasin GW Quality Map Naphthalene All Wells.mxd



APPENDIX 2.E Groundwater Quality Map: Naphthalene Concentrations in All Wells

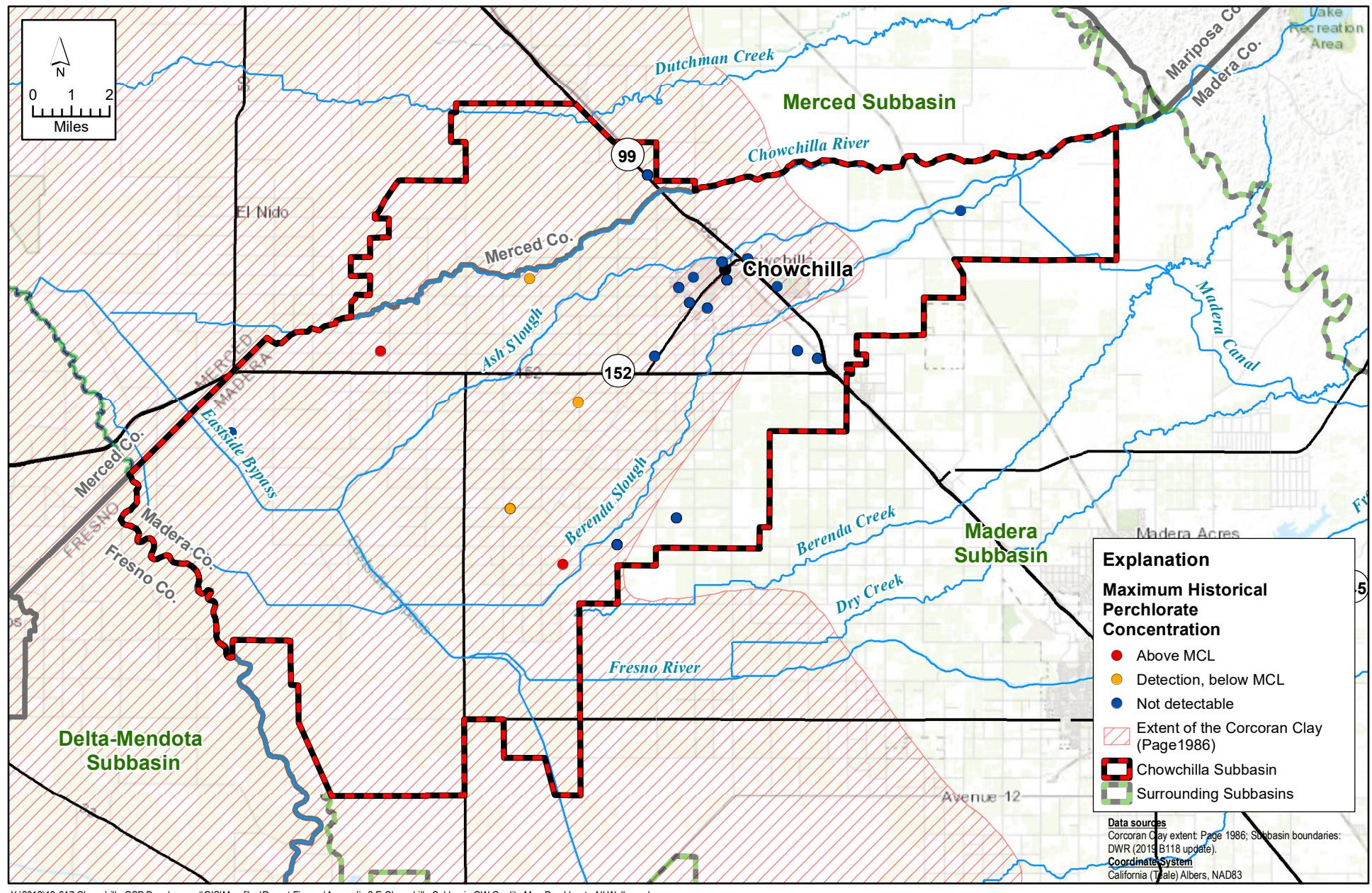
Chowchilla Subbasin A2.E-150
Groundwater Sustainability Plan



APPENDIX 2.E

Groundwater Quality Map: Tetrachloroethylene (PCE) Concentrations in All Wells

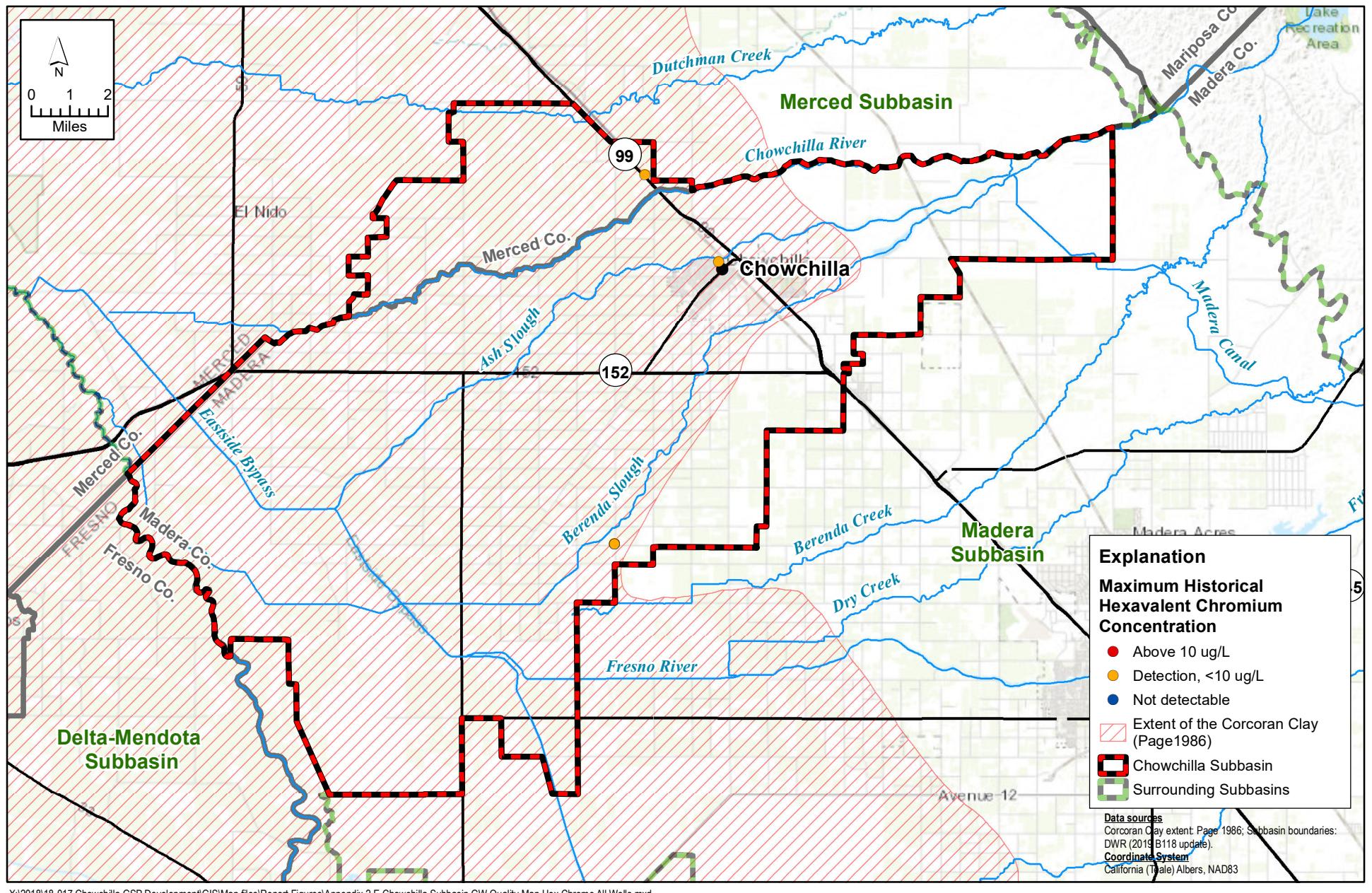
Chowchilla Subbasin A2.E-151
Groundwater Sustainability Plan



APPENDIX 2.E

Groundwater Quality Map: Perchlorate Concentrations in All Wells

Chowchilla Subbasin A2.E-152
Groundwater Sustainability Plan



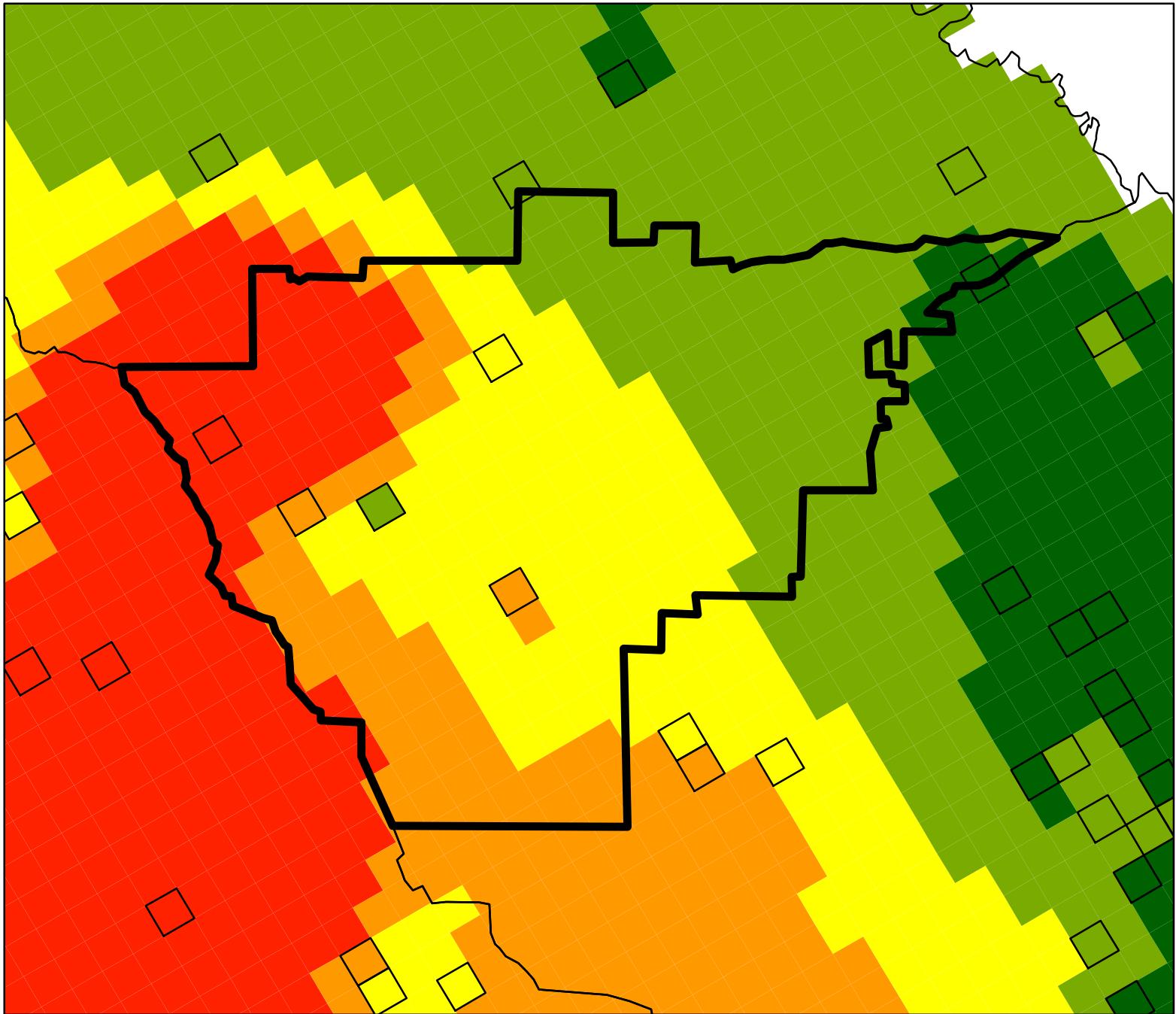
X:\2018\18-017 Chowchilla GSP Development\GIS\Map files\Report Figures\Appendix 2.E Chowchilla Subbasin GW Quality Map Hex Chrome All Wells.mxd



APPENDIX 2.E

Groundwater Quality Map: Chromium-6 (Hexavalent Chromium) Concentrations in All Wells

Chowchilla Subbasin A2.E-153
Groundwater Sustainability Plan



**Ambient Conditions
(Data: 2000-2016)**

Cells With Data (1 sq mi)

Upper Zone

TDS (mg/L)

	1 - 250
	251 - 500
	501 - 750
	751 - 1,000
	>1,000
	Region 5
	DWR B118 Basins



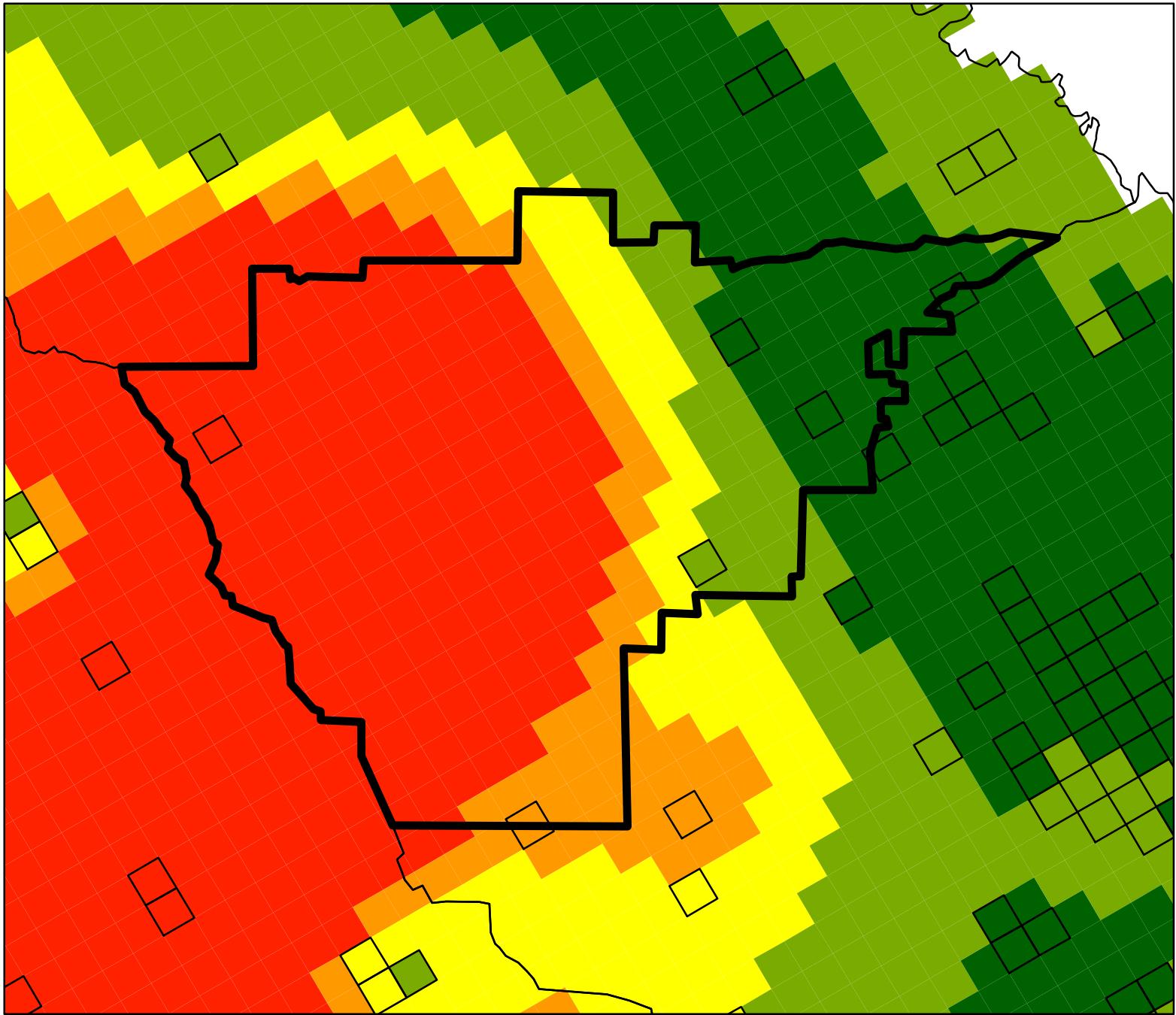
0 3 6 Miles

DWR B118 Code:5-22.05

**Groundwater Basin:
SAN JOAQUIN VALLEY**

**Groundwater Subbasin:
CHOWCHILLA**





**Ambient Conditions
(Data: 2000-2016)**

Cells With Data (1 sq mi)

Lower Zone

TDS (mg/L)

	1 - 250
	251 - 500
	501 - 750
	751 - 1,000
	>1,000
	Region 5
	DWR B118 Basins



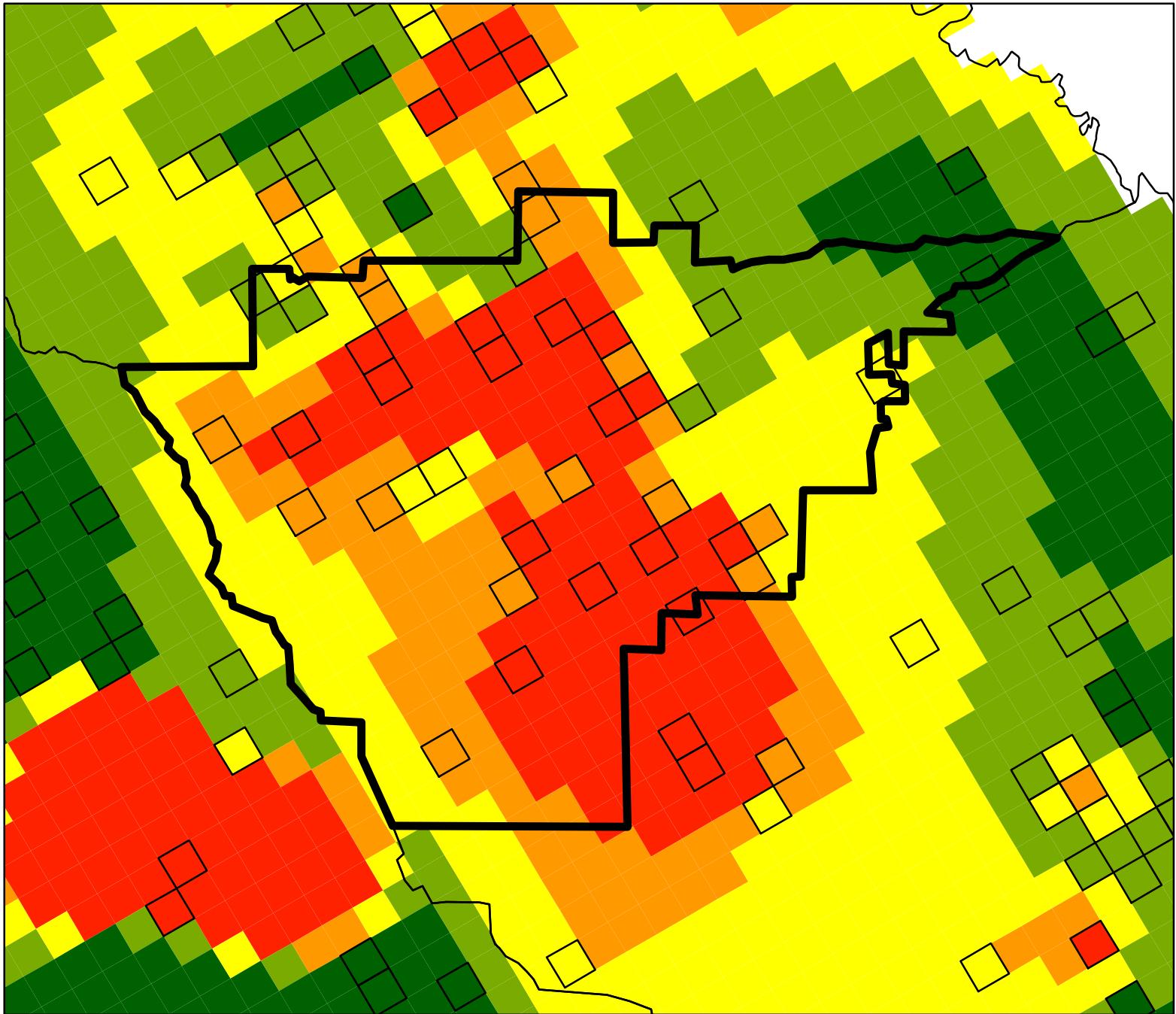
0 3 6 Miles

DWR B118 Code:5-22.05

**Groundwater Basin:
SAN JOAQUIN VALLEY**

**Groundwater Subbasin:
CHOWCHILLA**





**Ambient Conditions
(Data: 2000-2016)**

Cells With Data (1 sq mi)

Upper Zone

Nitrate (mg/L as N)

0.1 - 2.5

2.6 - 5.0

5.1 - 7.5

7.6 - 10.0

>10

Region 5

DWR B118 Basins

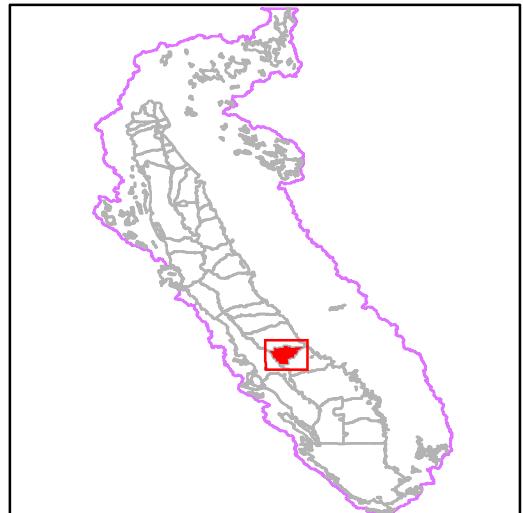


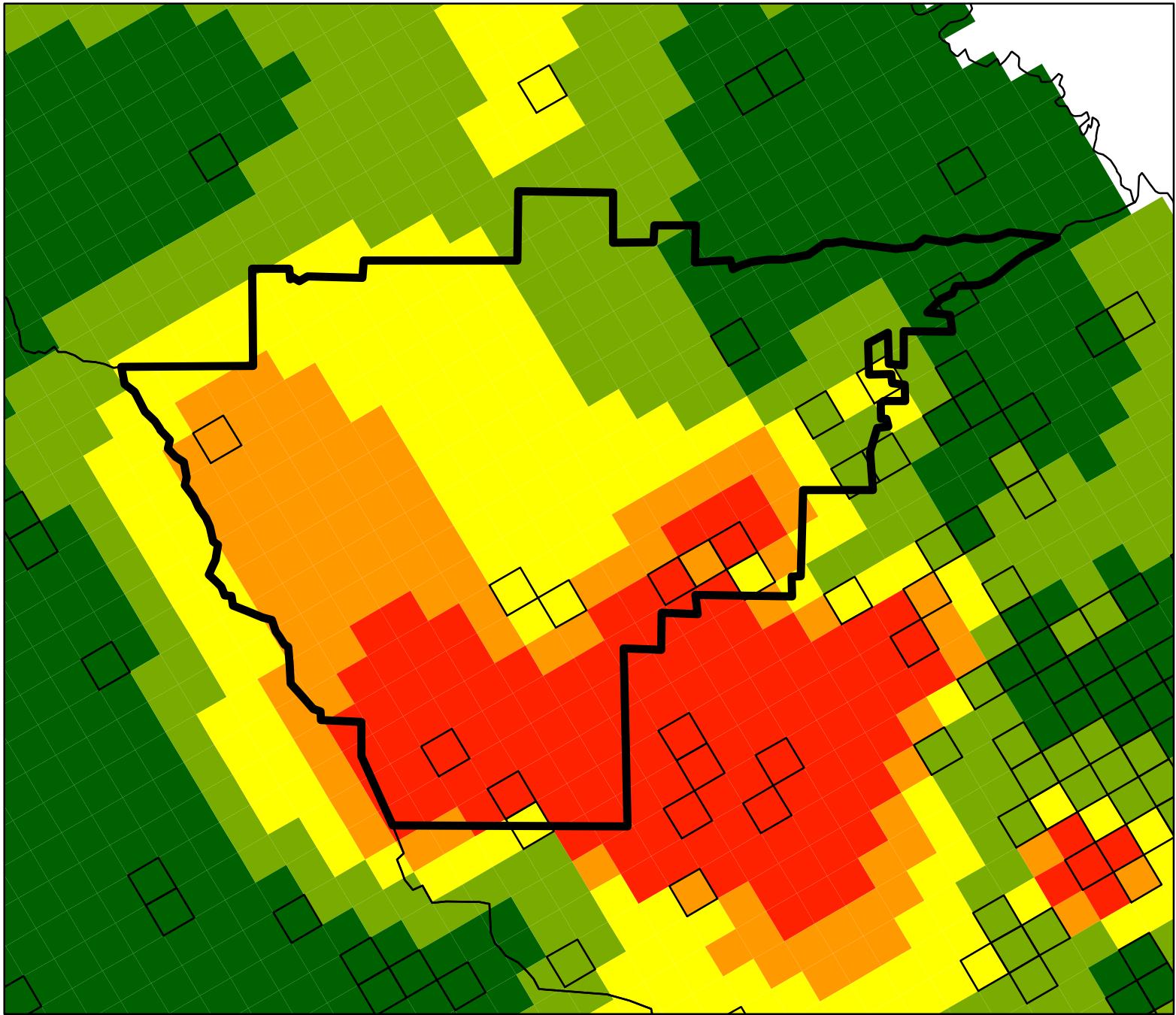
0 3 6 Miles

DWR B118 Code:5-22.05

**Groundwater Basin:
SAN JOAQUIN VALLEY**

**Groundwater Subbasin:
CHOWCHILLA**





**Ambient Conditions
(Data: 2000-2016)**

Cells With Data (1 sq mi)

Lower Zone

Nitrate (mg/L as N)

0.1 - 2.5

2.6 - 5.0

5.1 - 7.5

7.6 - 10.0

>10

Region 5

DWR B118 Basins



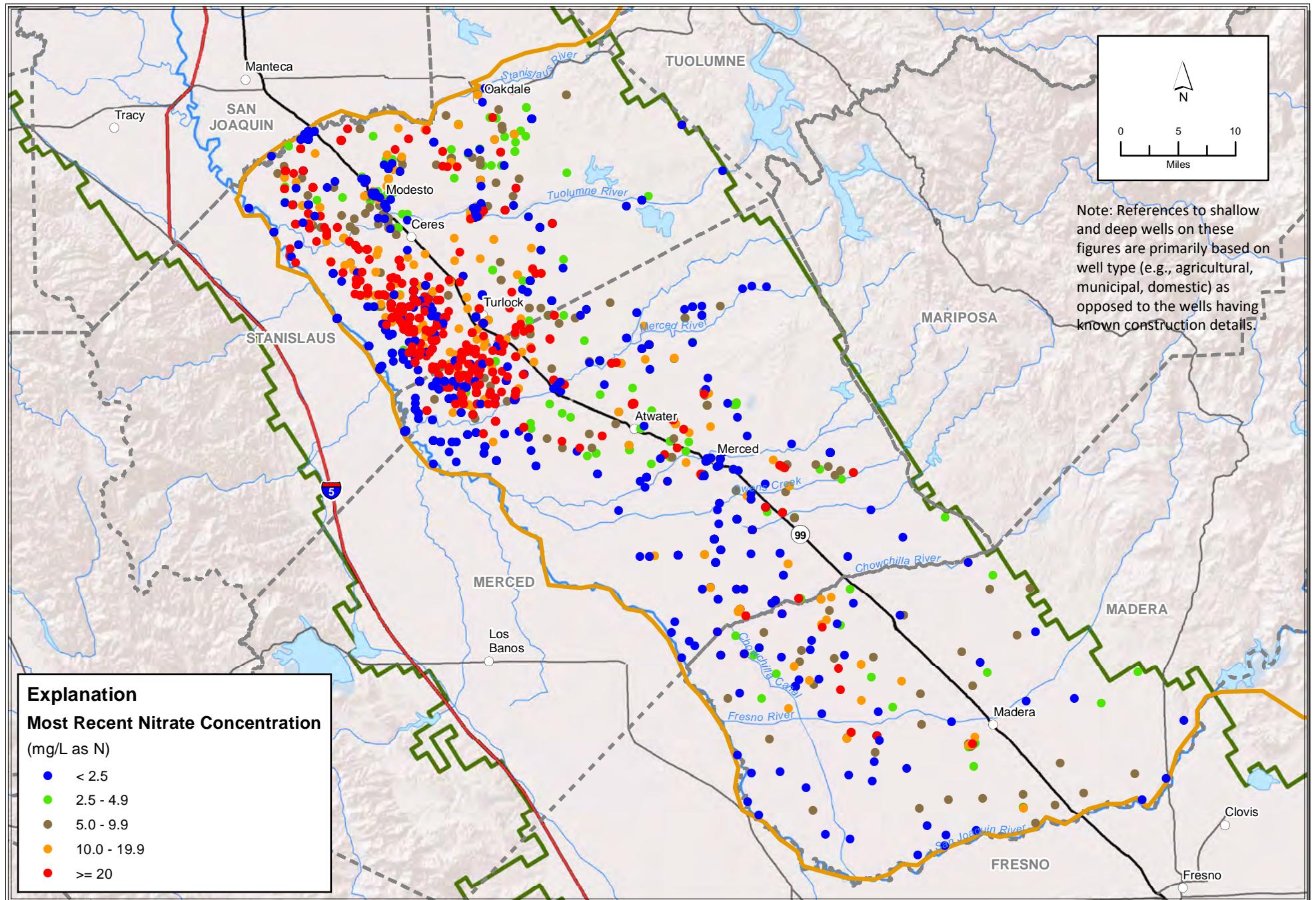
0 3 6 Miles

DWR B118 Code:5-22.05

**Groundwater Basin:
SAN JOAQUIN VALLEY**

**Groundwater Subbasin:
CHOWCHILLA**





Path: X:\2012 Job Files\12-118\Report\Figures\Final GIS Map Files\Figure 5-4 Nitrate Concentrations in Central Valley Floor Shallow Wells.mxd

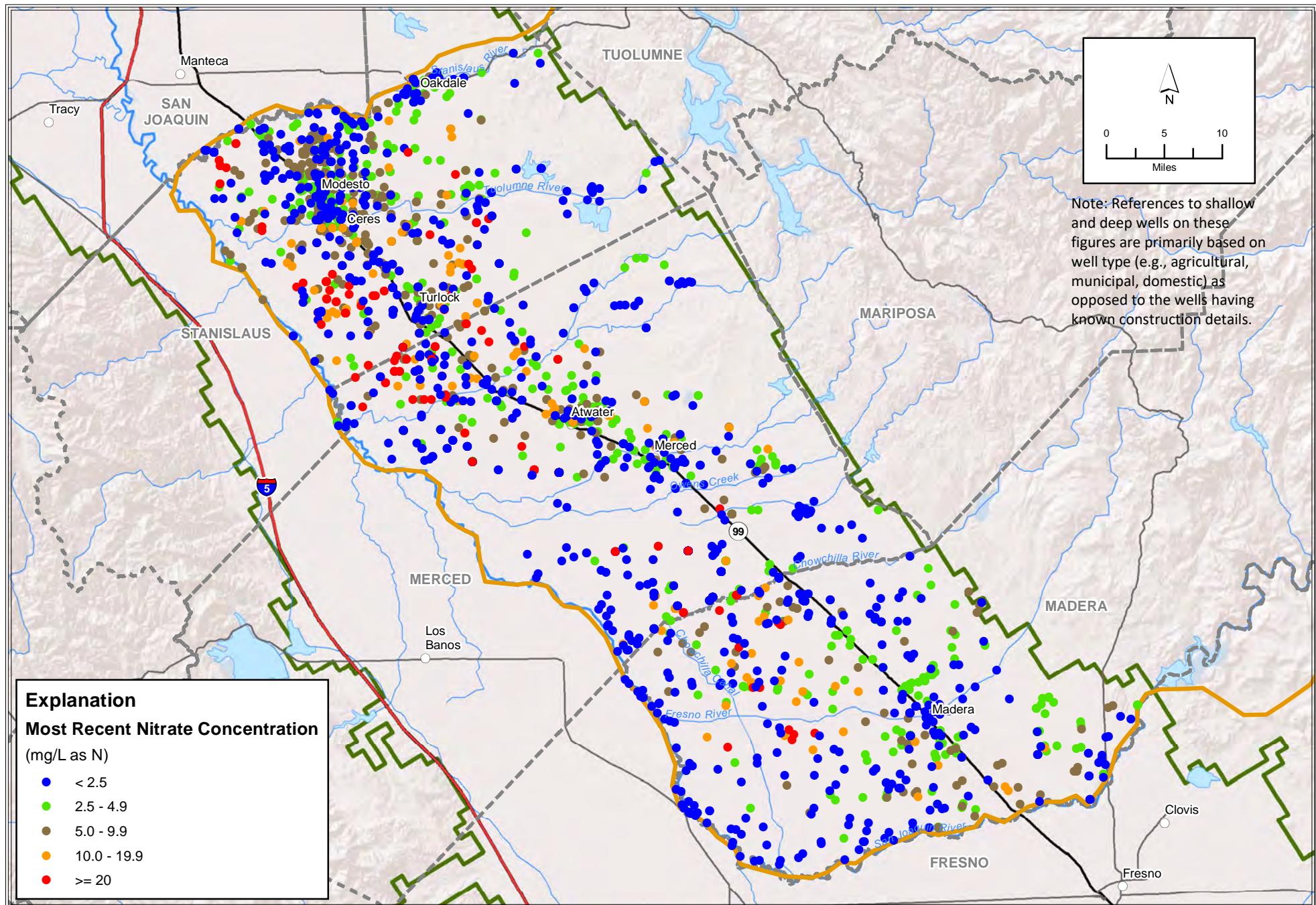


Figure 5-5
Nitrate Concentrations in the Central Valley Floor: Deep Wells

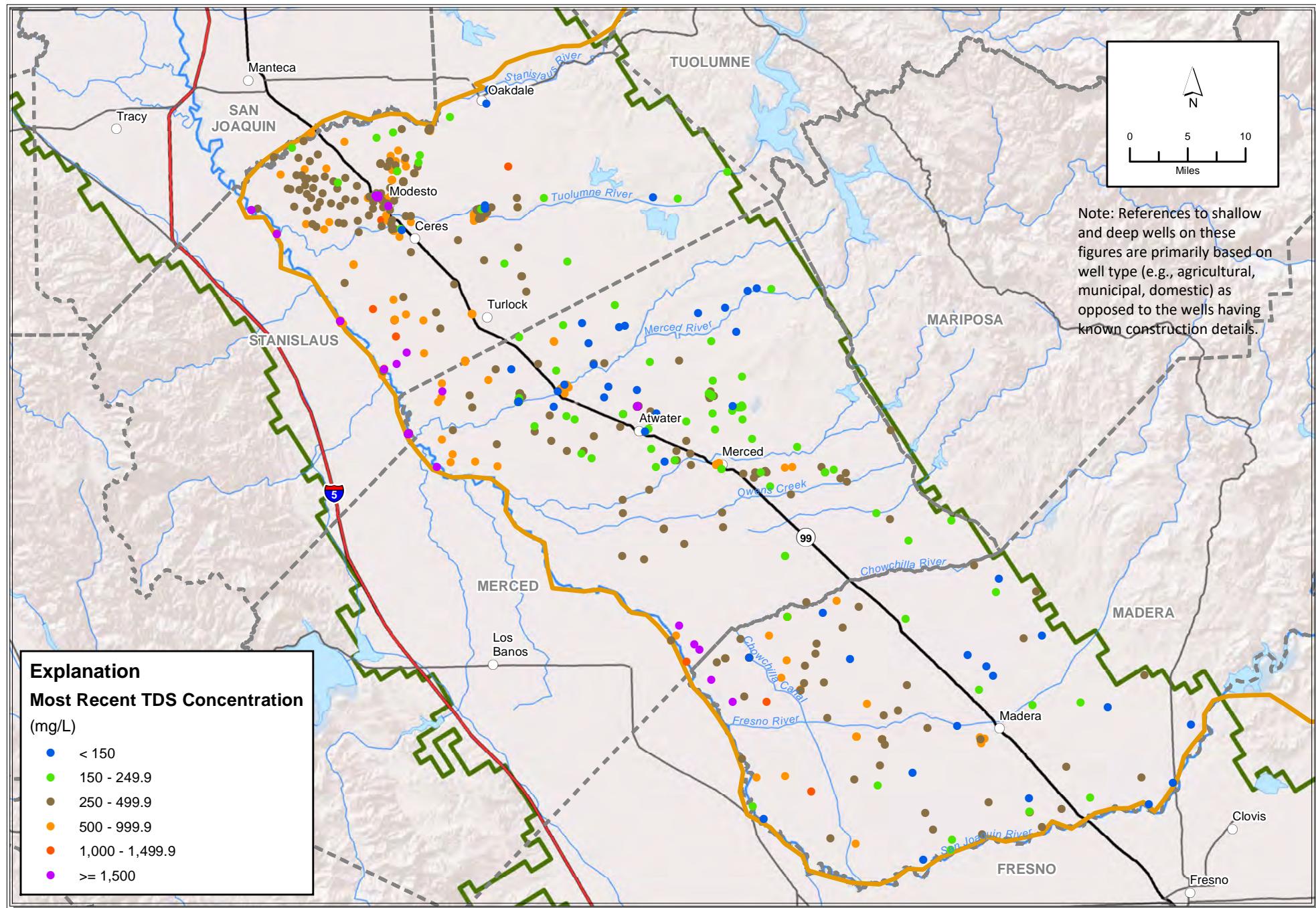
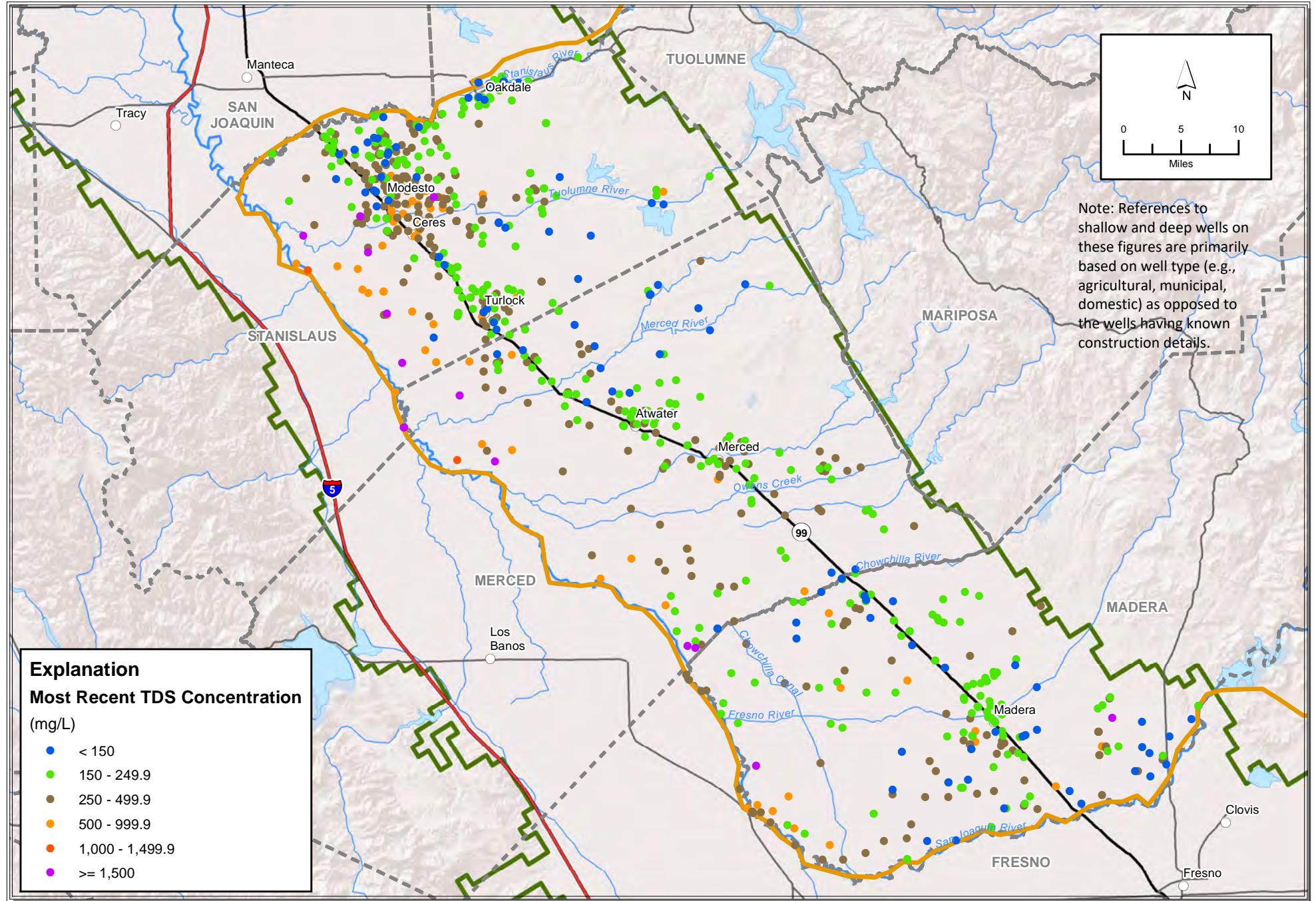


Figure 5-7
TDS Concentrations in the Central Valley Floor: Shallow Wells



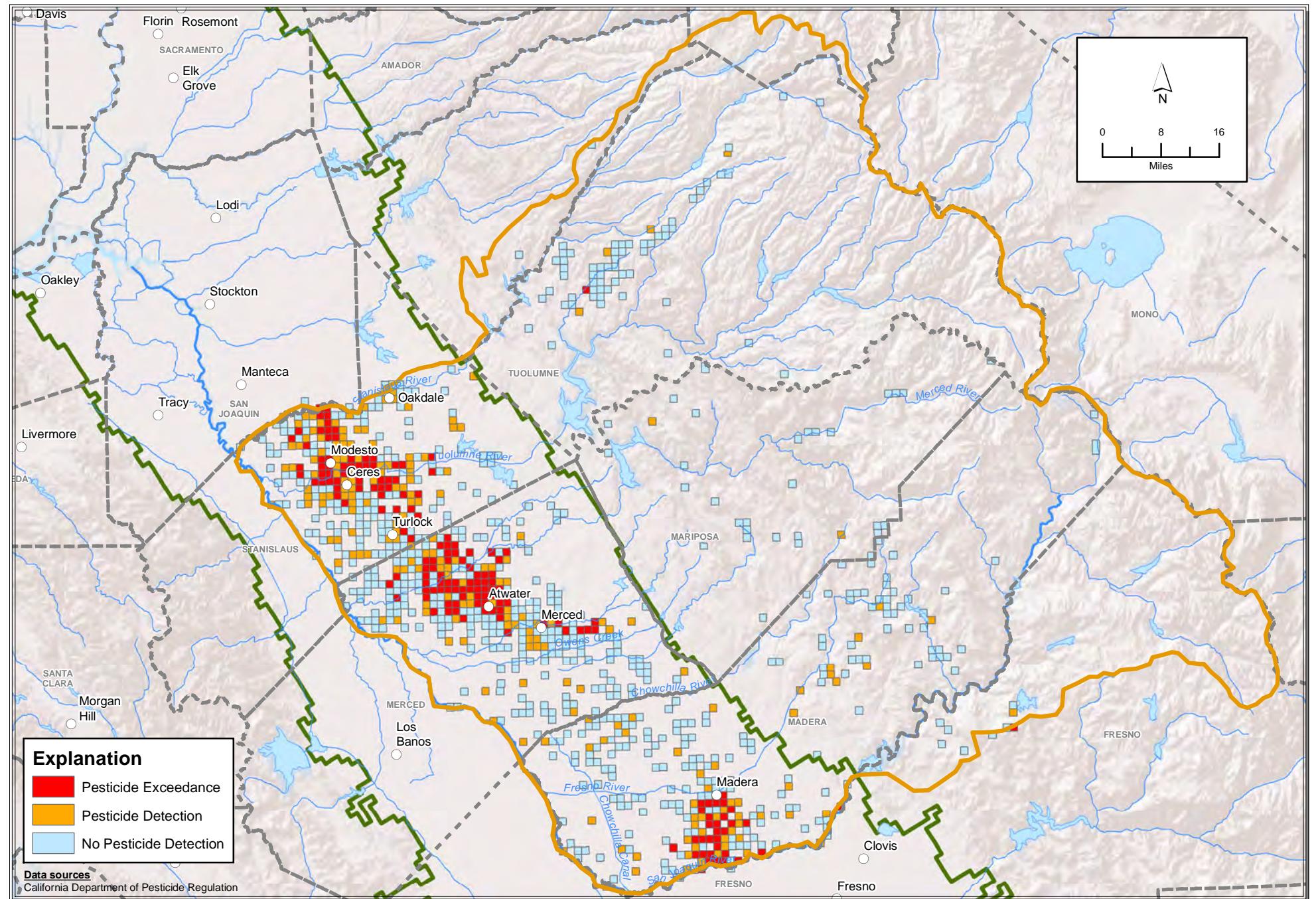
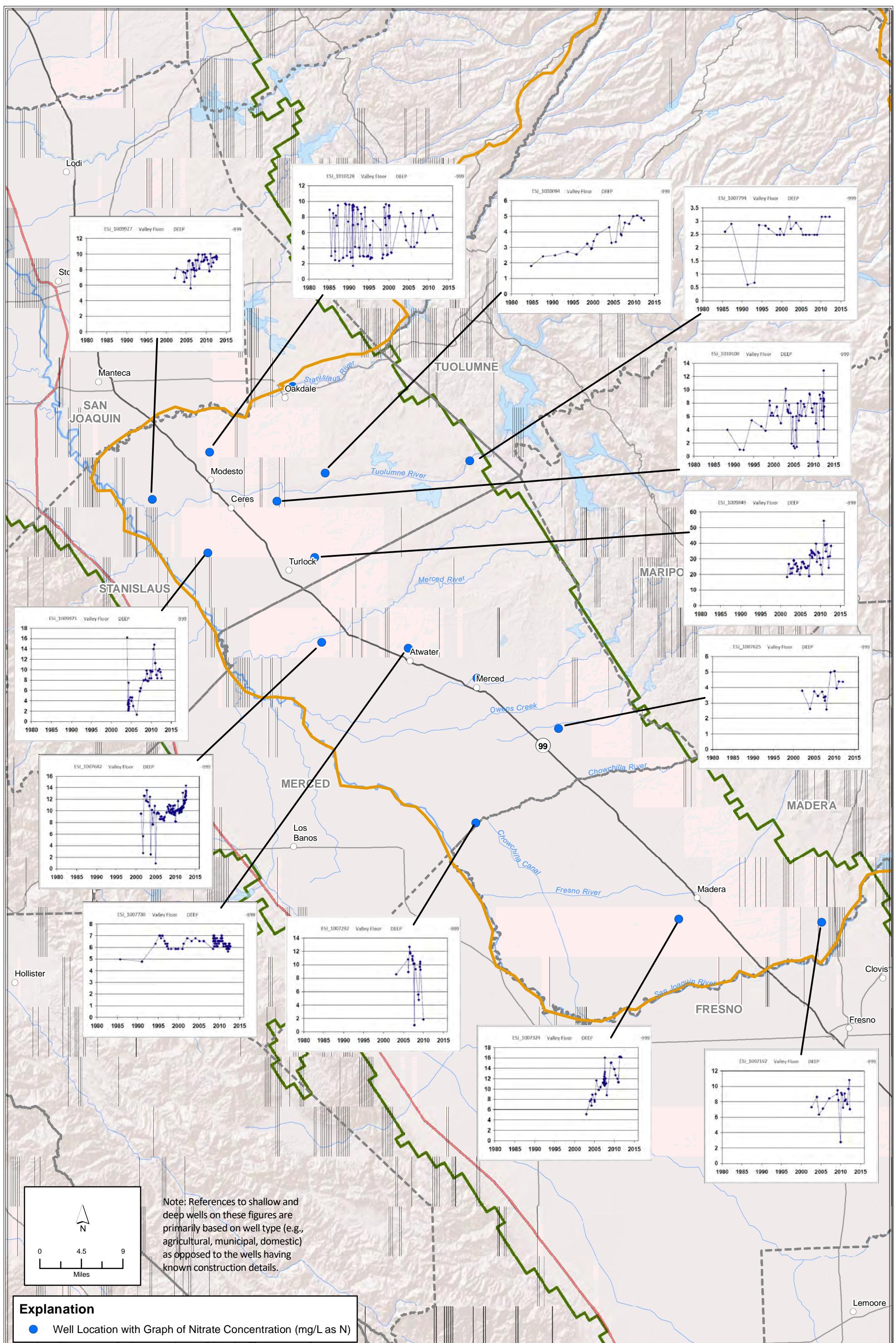
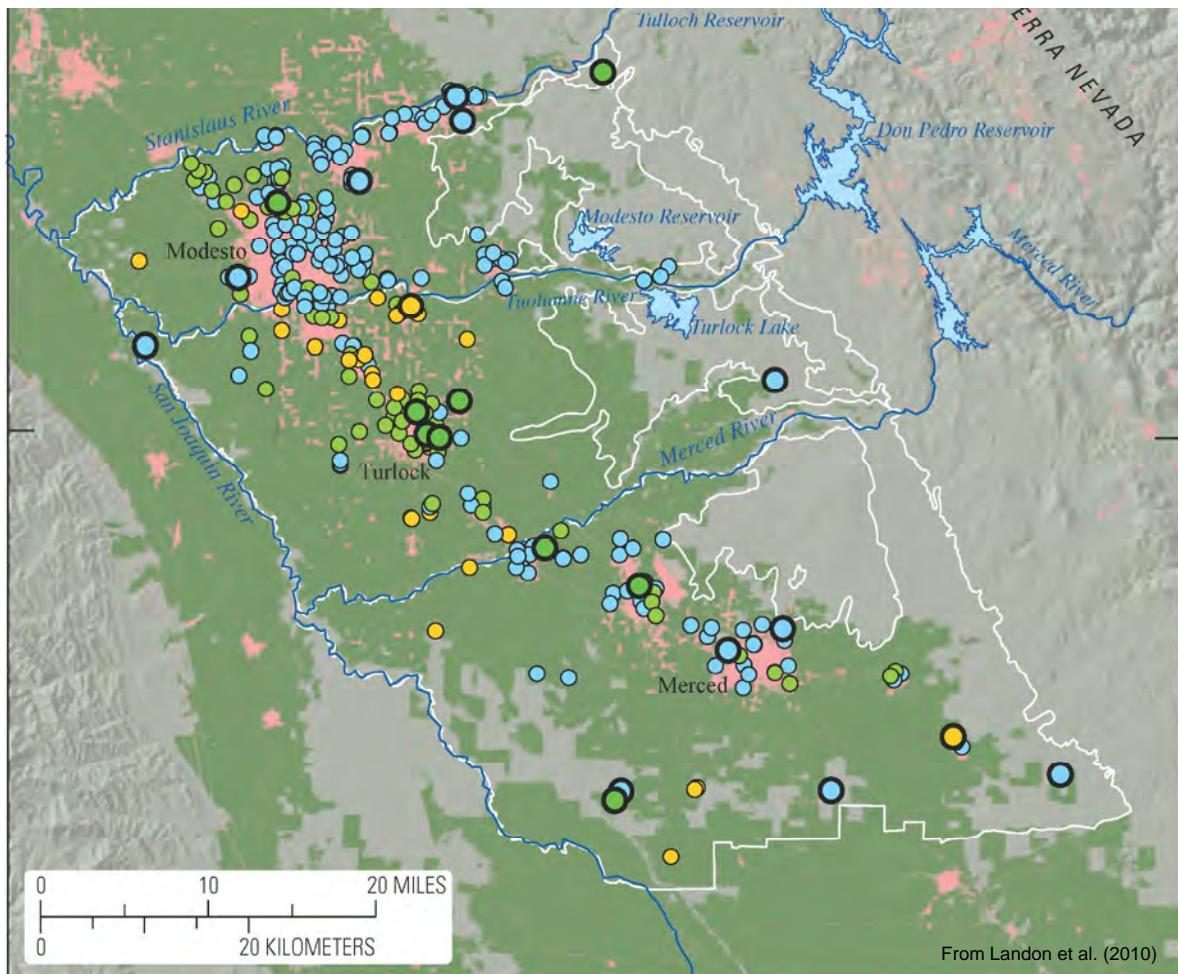


Figure 5-10c
Pesticide Detection Or Exceedance By Section



Path: X:\2012 Job Files\12-118\Report\Figures\Final GIS Map Files\Figure 5-12 Select Graphs of Nitrate Concentrations in Central Valley Floor Deep Wells.mxd



EXPLANATION

USGS GAMA arsenic

- Low (< 5 micrograms per liter)
- Moderate (5 – 10 micrograms per liter)
- High (> 10 micrograms per liter)

CDPH arsenic

- Low (< 5 micrograms per liter)
- Moderate (5 – 10 micrograms per liter)
- High (> 10 micrograms per liter)

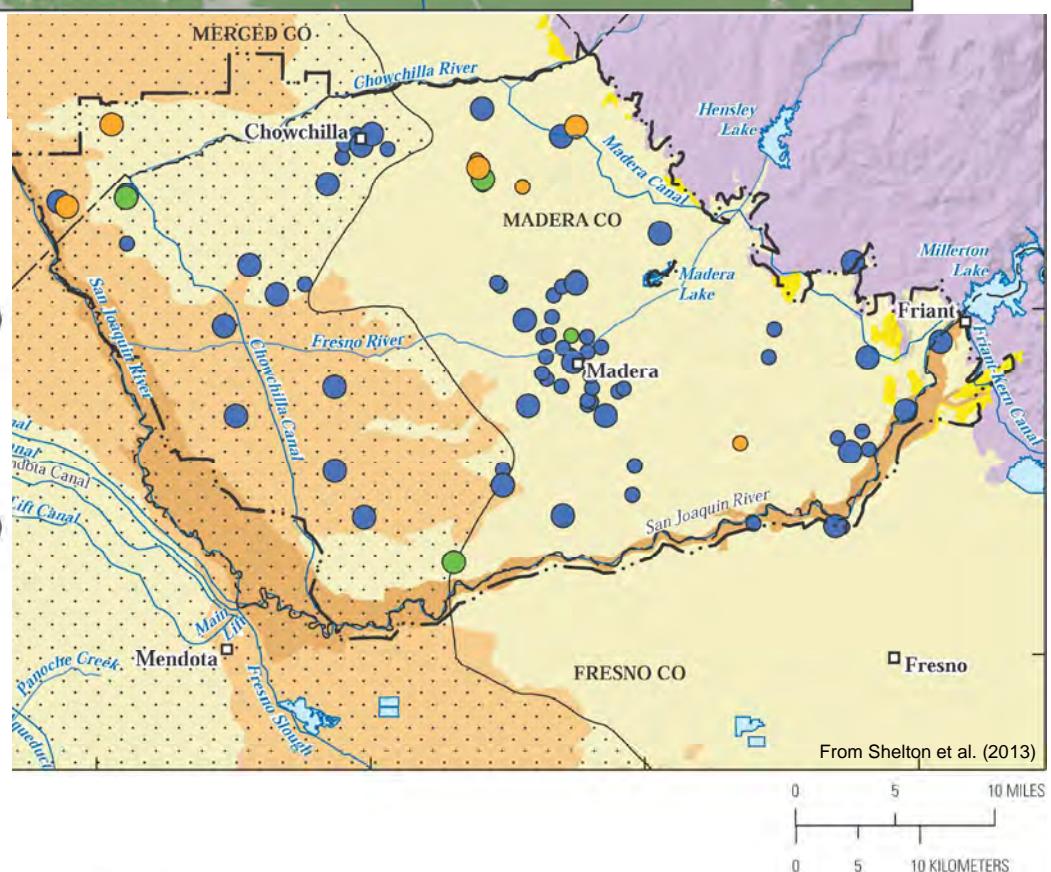
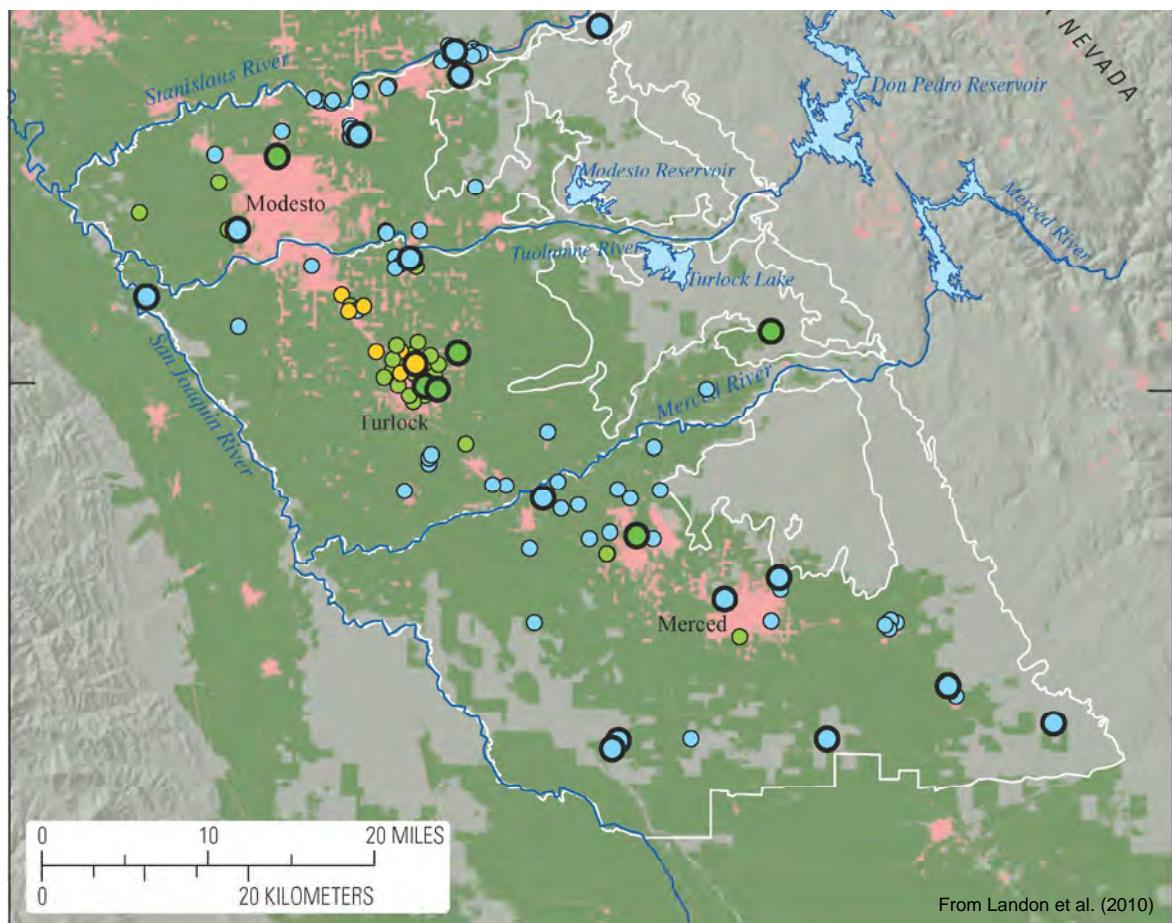


Figure 5-23a
A2.184

Other Groundwater Quality Data: Arsenic



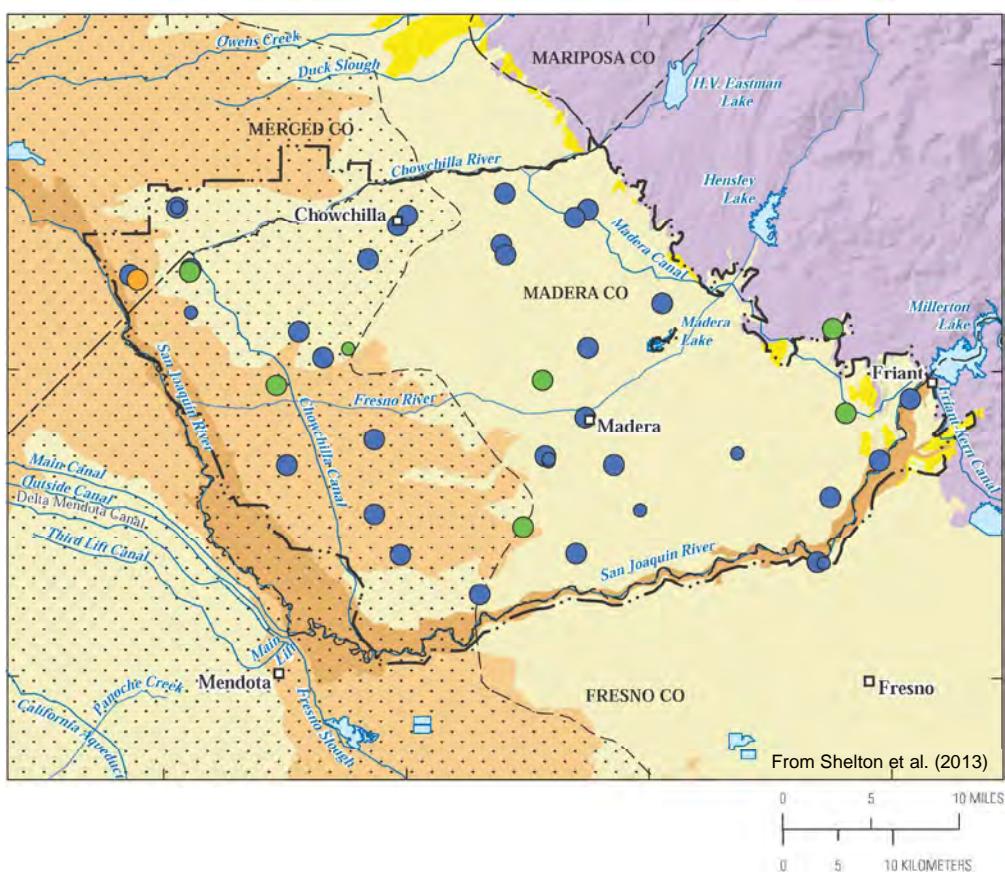
EXPLANATION

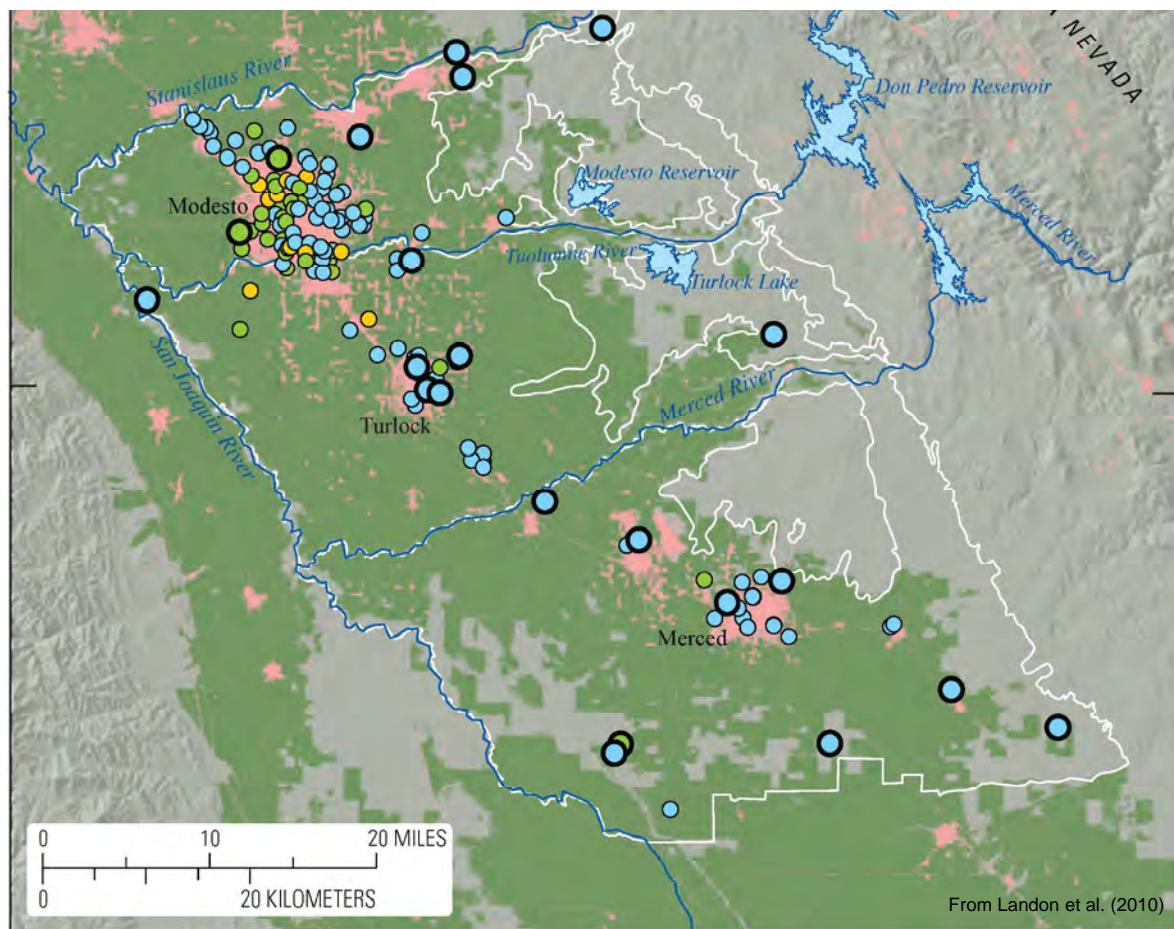
USGS GAMA vanadium

- Low (< 25 micrograms per liter)
- Moderate (25 – 50 micrograms per liter)
- High (> 50 micrograms per liter)

CDPH vanadium

- Low (< 25 micrograms per liter)
- Moderate (25 – 50 micrograms per liter)
- High (> 50 micrograms per liter)





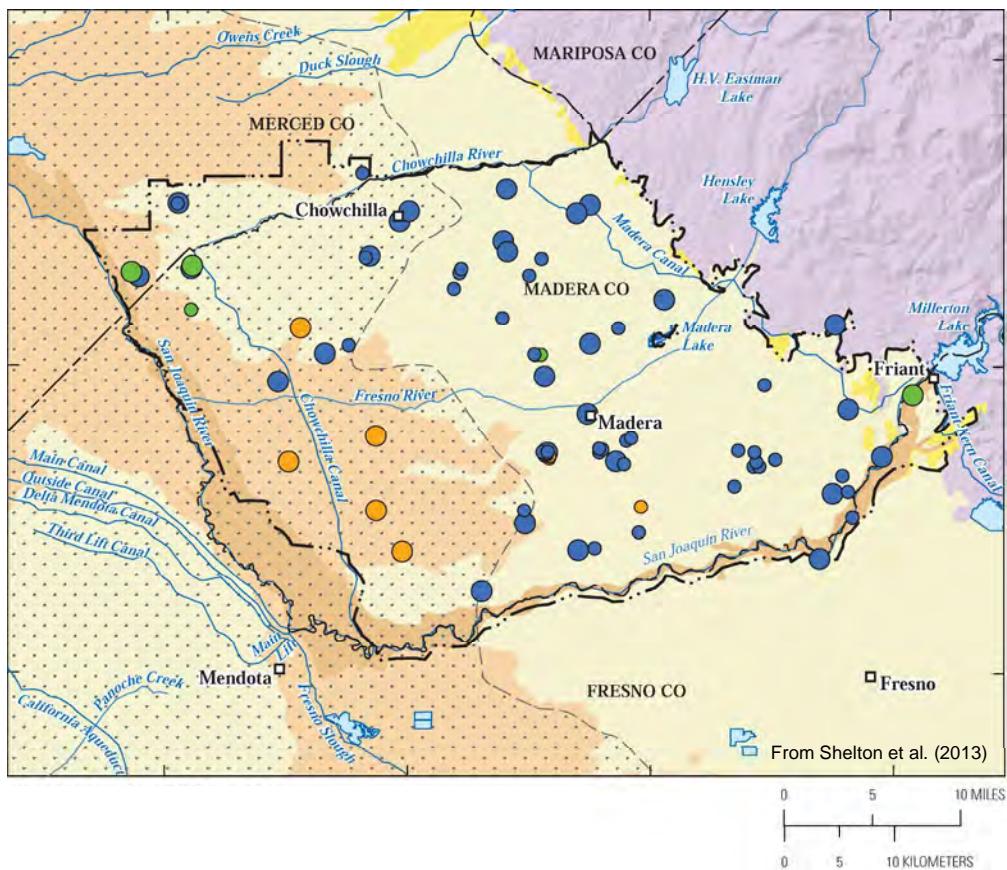
EXPLANATION

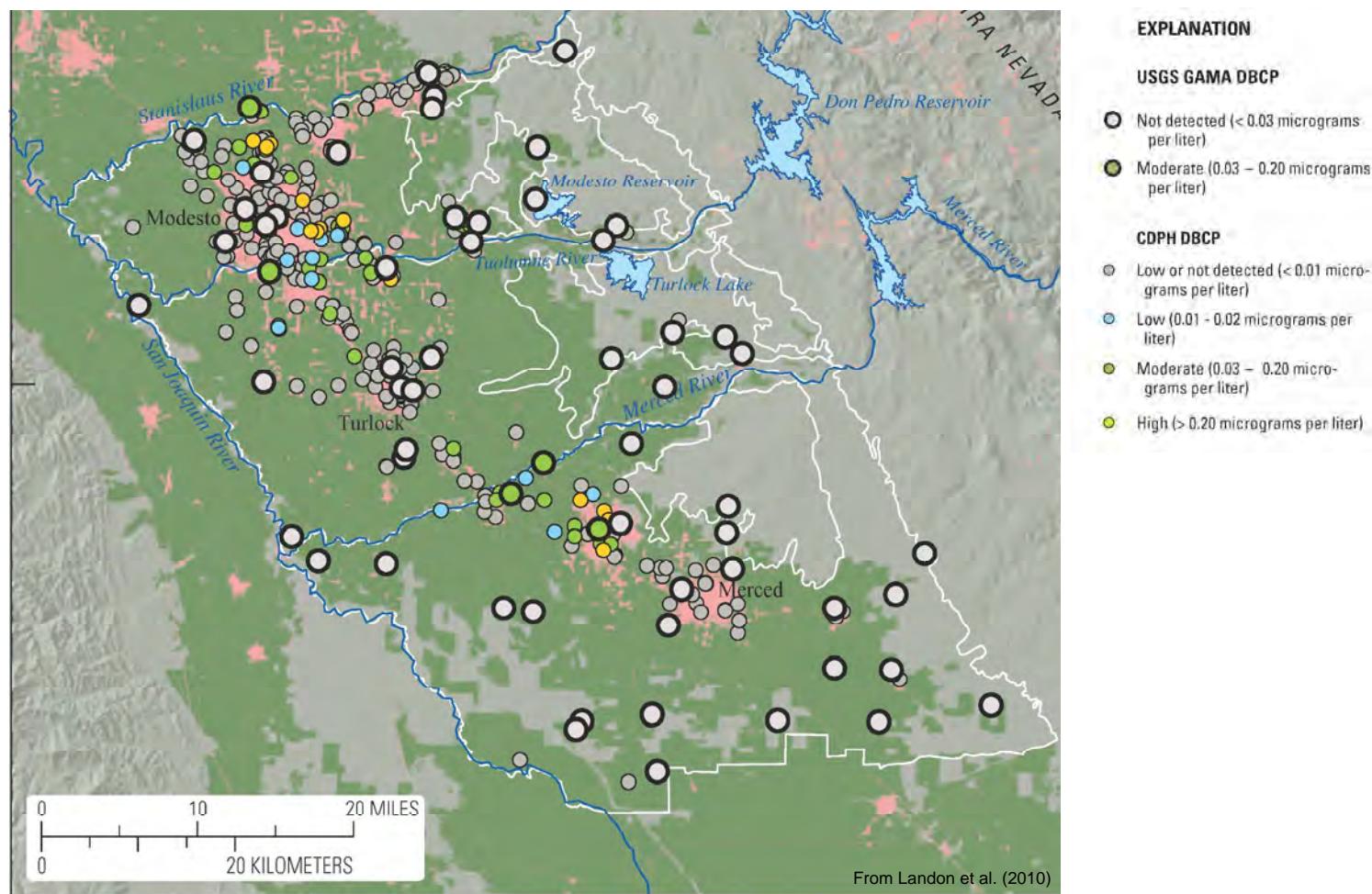
USGS GAMA uranium

- Low (< 15 micrograms per liter)
- Moderate (15 – 30 micrograms per liter)
- High (> 30 micrograms per liter)

CDPH uranium

- Low (< 15 micrograms per liter)
- Moderate (15 – 30 micrograms per liter)
- High (> 30 micrograms per liter)

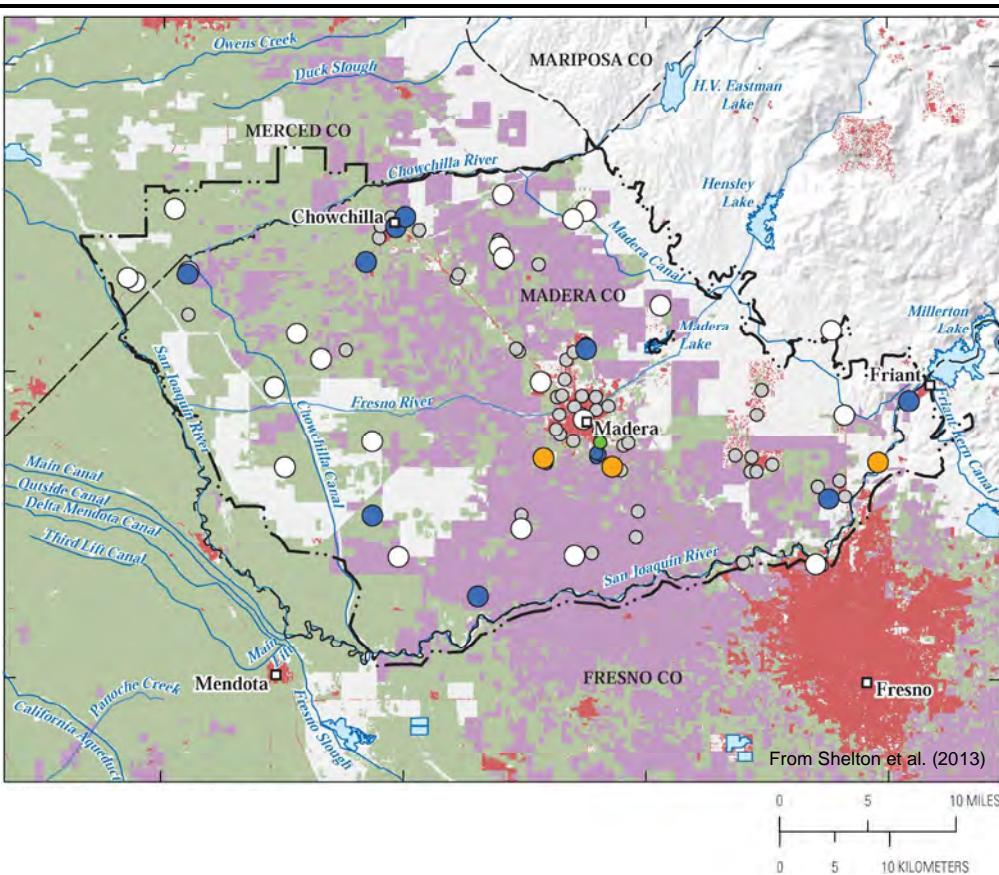


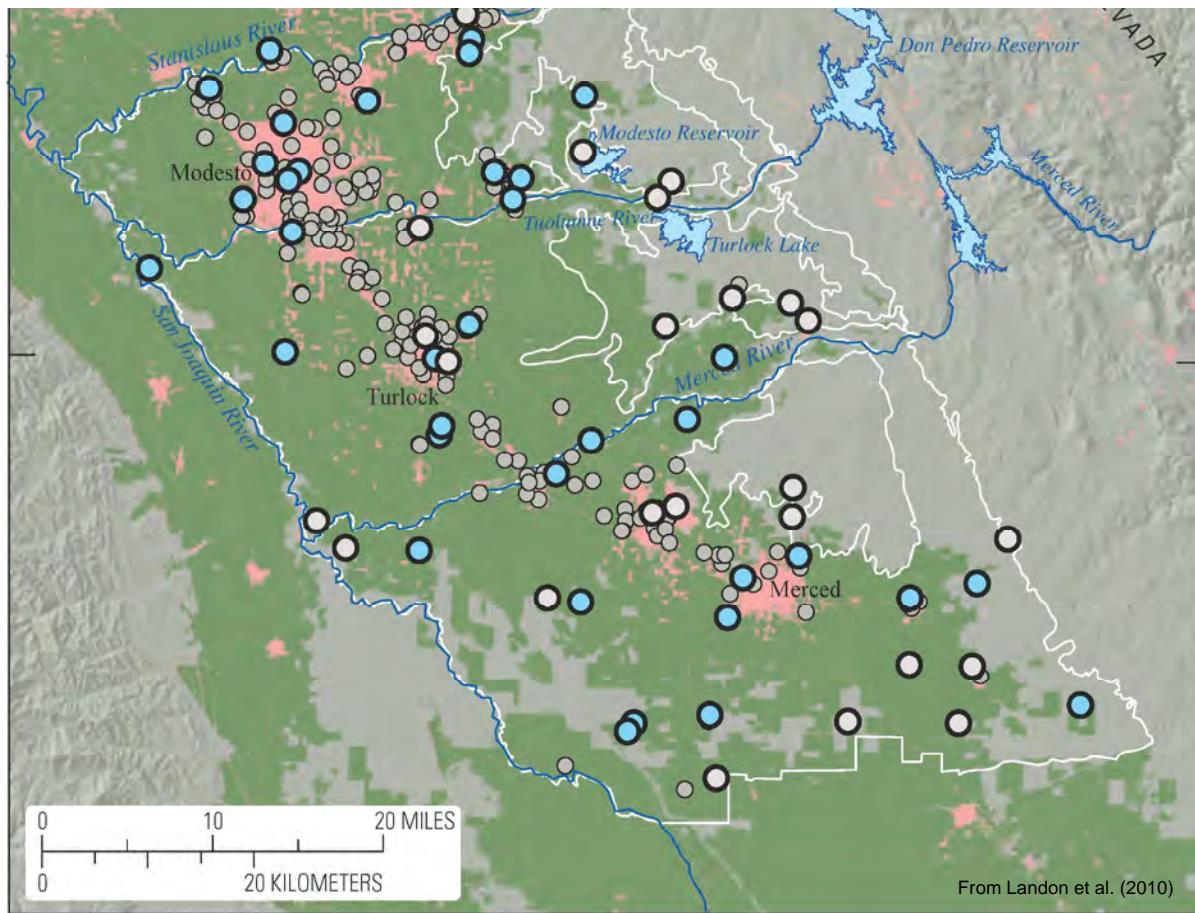


Fumigants	
RC category*	Wells
USGS GAMA	CDPH
Not detected	○
Low	●
Moderate	●
High	●

(data in 3-year period
2/12/2005–2/12/2008)

Fumigants include:
 1,2-dibromo-3-chloropropane (DBCP)
 1,2-dibromoethane (EDB)
 1,2,3-trichloropropene (1,2,3-TCP)
 1,2-dichloropropane (1,2-DCP)





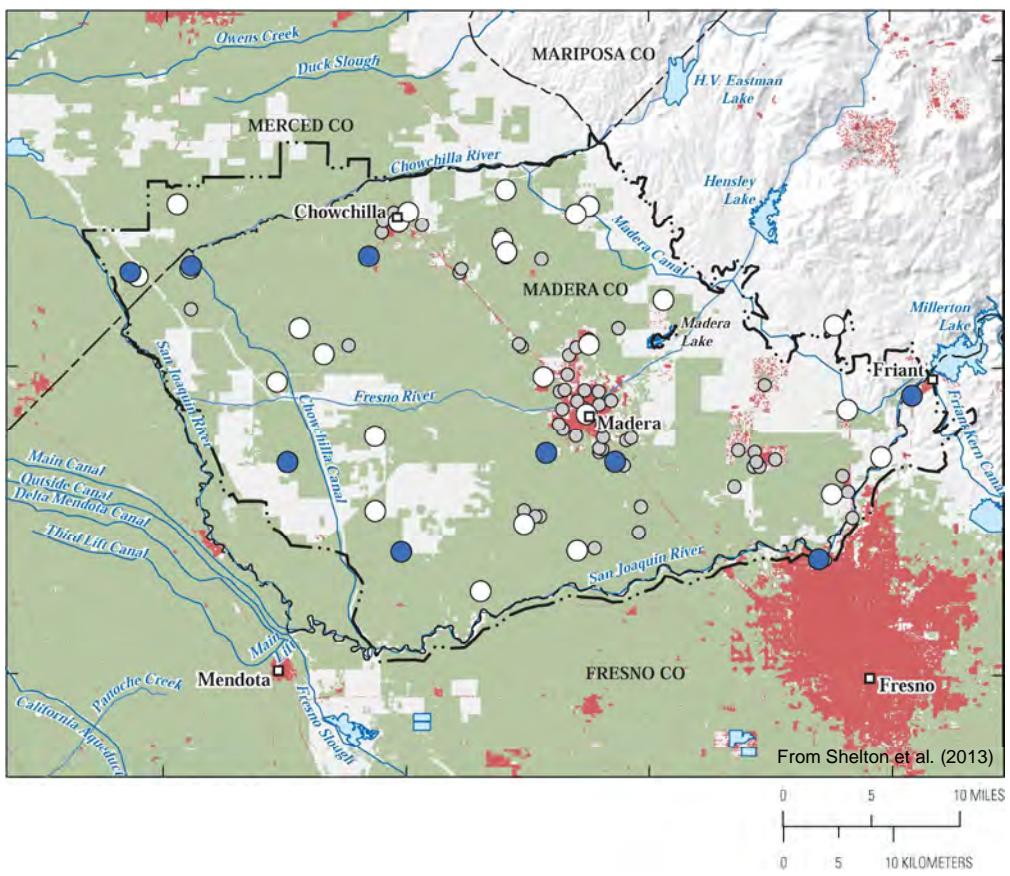
EXPLANATION

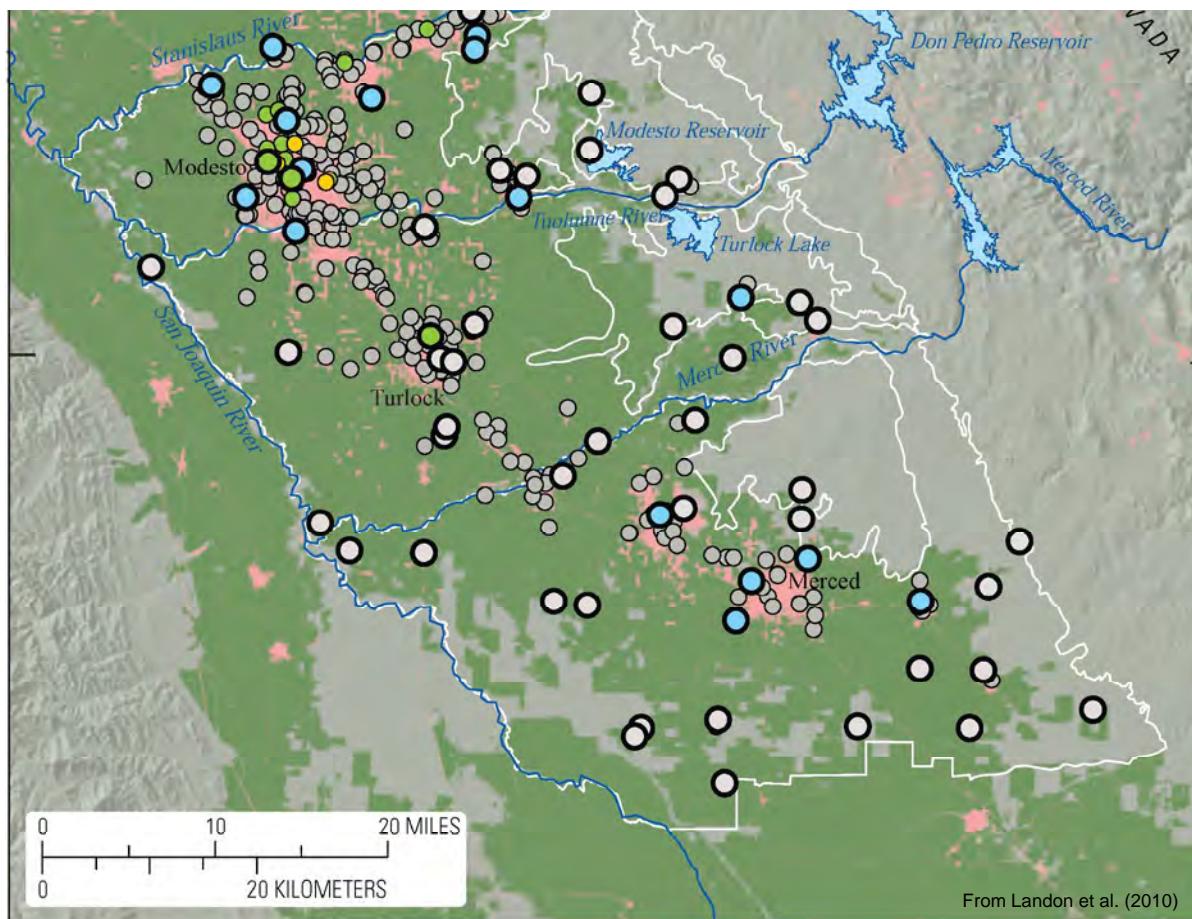
USGS GAMA herbicides

- Not detected
- Low (< 0.01 – 0.10 micrograms per liter)

CDPH herbicides

- Not high (< 0.1 micrograms per liter)





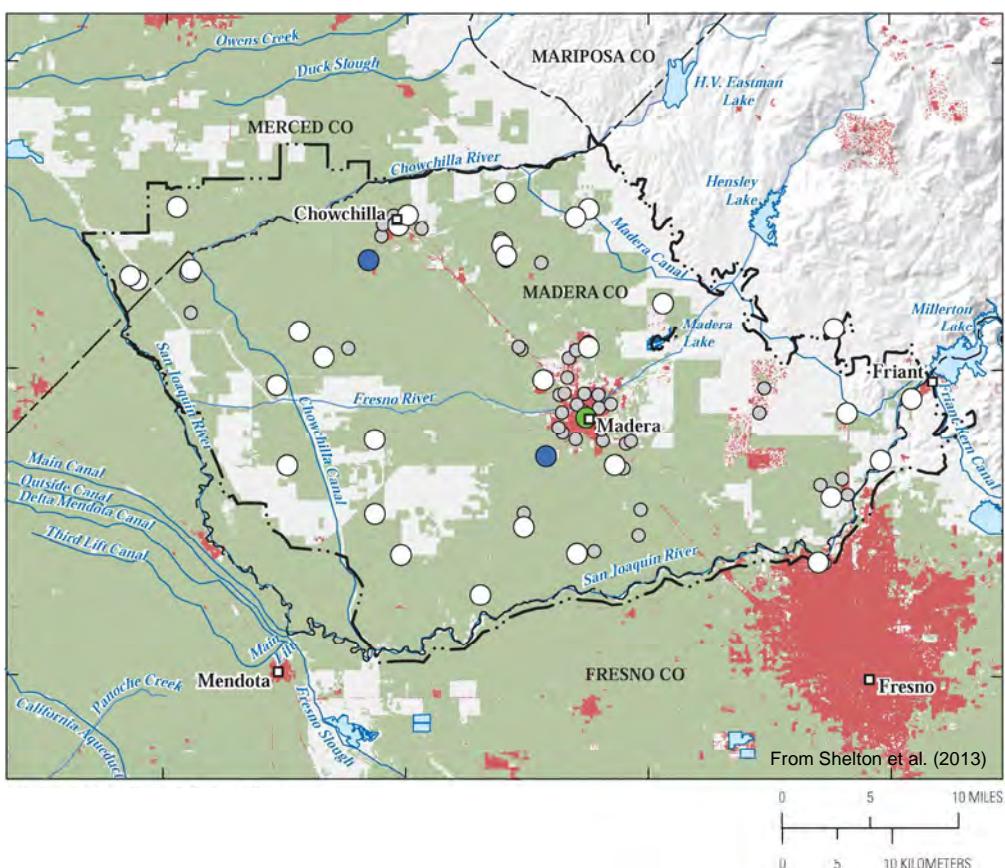
USGS GAMA solvents

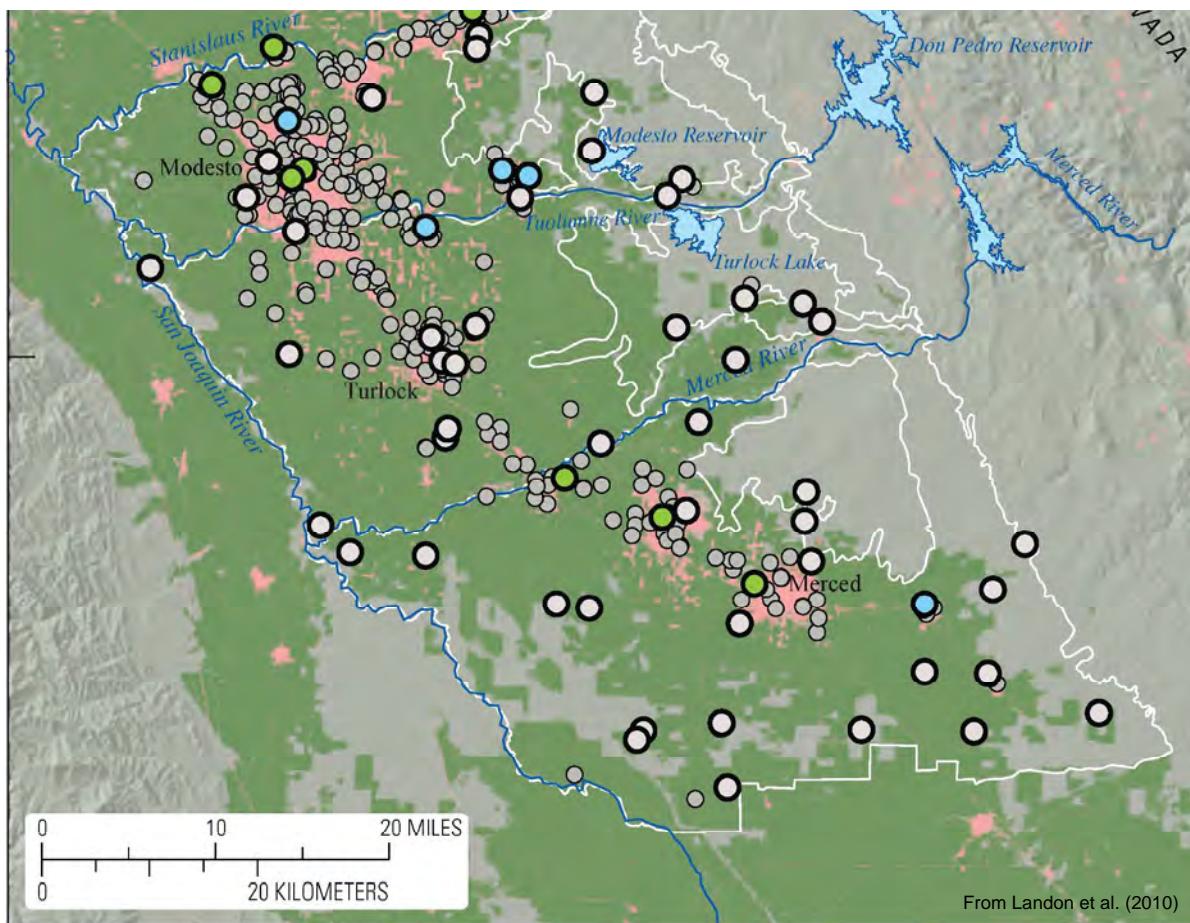
- Not detected
- Low (< 0.1)
- Moderate (> 0.1 – 1.0)

CDPH solvents

- Low or not detected (< 0.1)
- Moderate (0.1 – 1.0)
- High (> 1.0)

Solvents include:
 tetrachloroethylene (PCE)
 carbon tetrachloride
 trichloroethylene (TCE)
 dichloromethane
 dibromomethane
 cis-1,2-dichloroethene
 n-propylbenzene





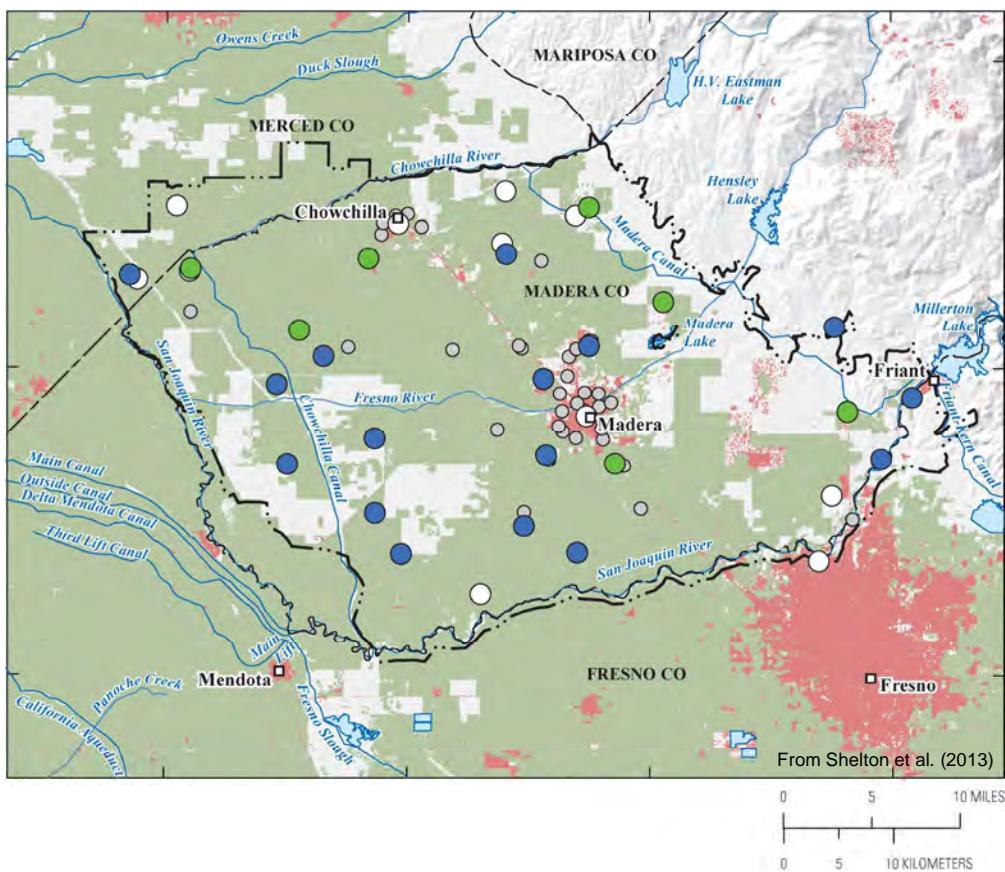
EXPLANATION

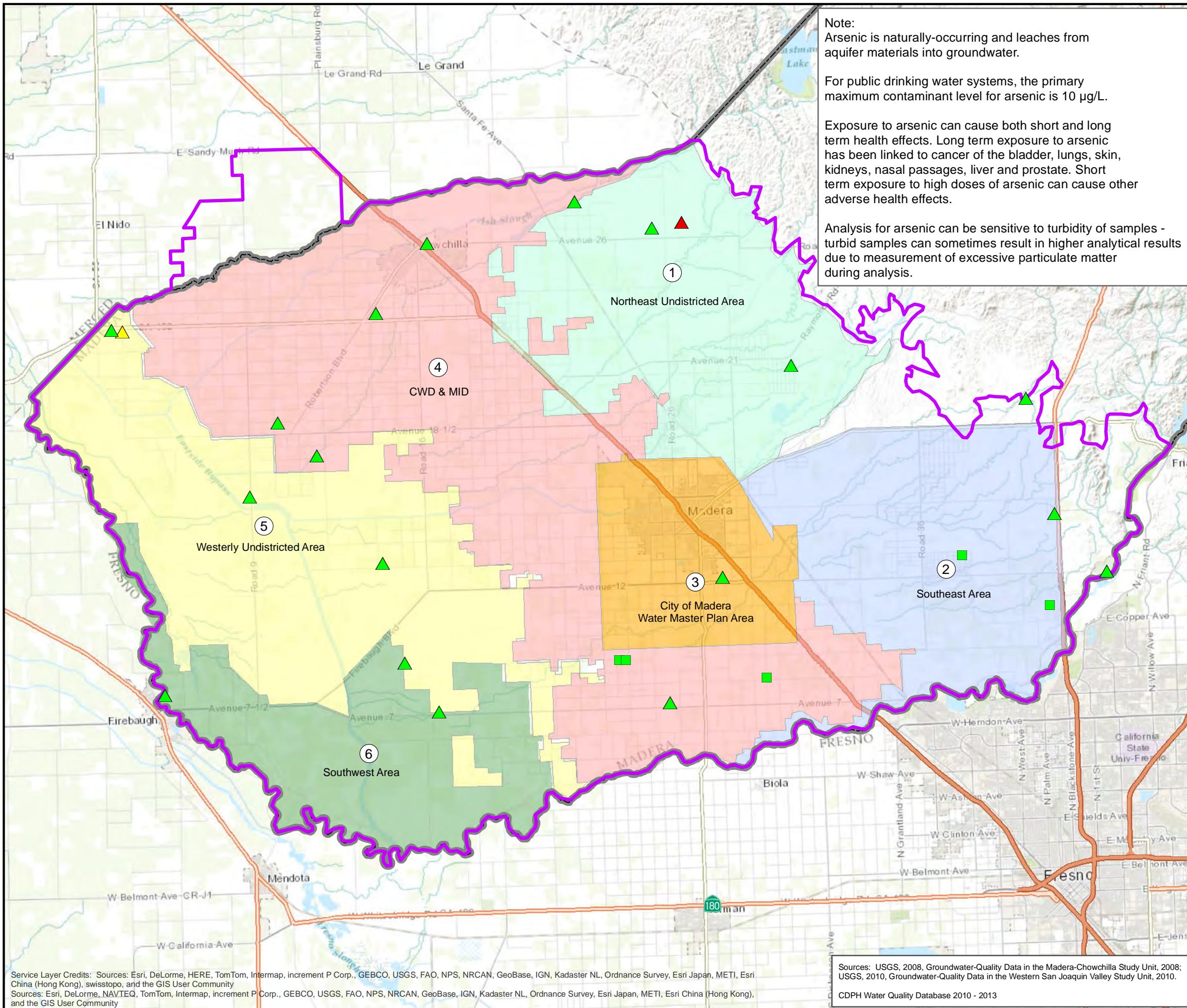
USGS GAMA perchlorate

- Not detected (< 0.5 micrograms per liter)
- Low (0.5 – 0.6 micrograms per liter)
- Moderate (0.6 – 1.5 micrograms per liter)

CDPH perchlorate

- Not detected (< 4.0 micrograms per liter)





**MAP OF ARSENIC CONCENTRATION
IN SHALLOW WELLS**

MADERA REGIONAL
GROUNDWATER MANAGEMENT PLAN
APRIL 2014



2
MILES

Arsenic ($\mu\text{g/L}$) in City Wells < 400 feet

- < 5
- 5 - 10
- > 10

Arsenic ($\mu\text{g/L}$) in County Wells < 400 feet

- < 5
- 5 - 10
- > 10

Arsenic ($\mu\text{g/L}$) in USGS GAMA Wells < 400 feet

- < 5
- 5 - 10
- > 10

Legend:

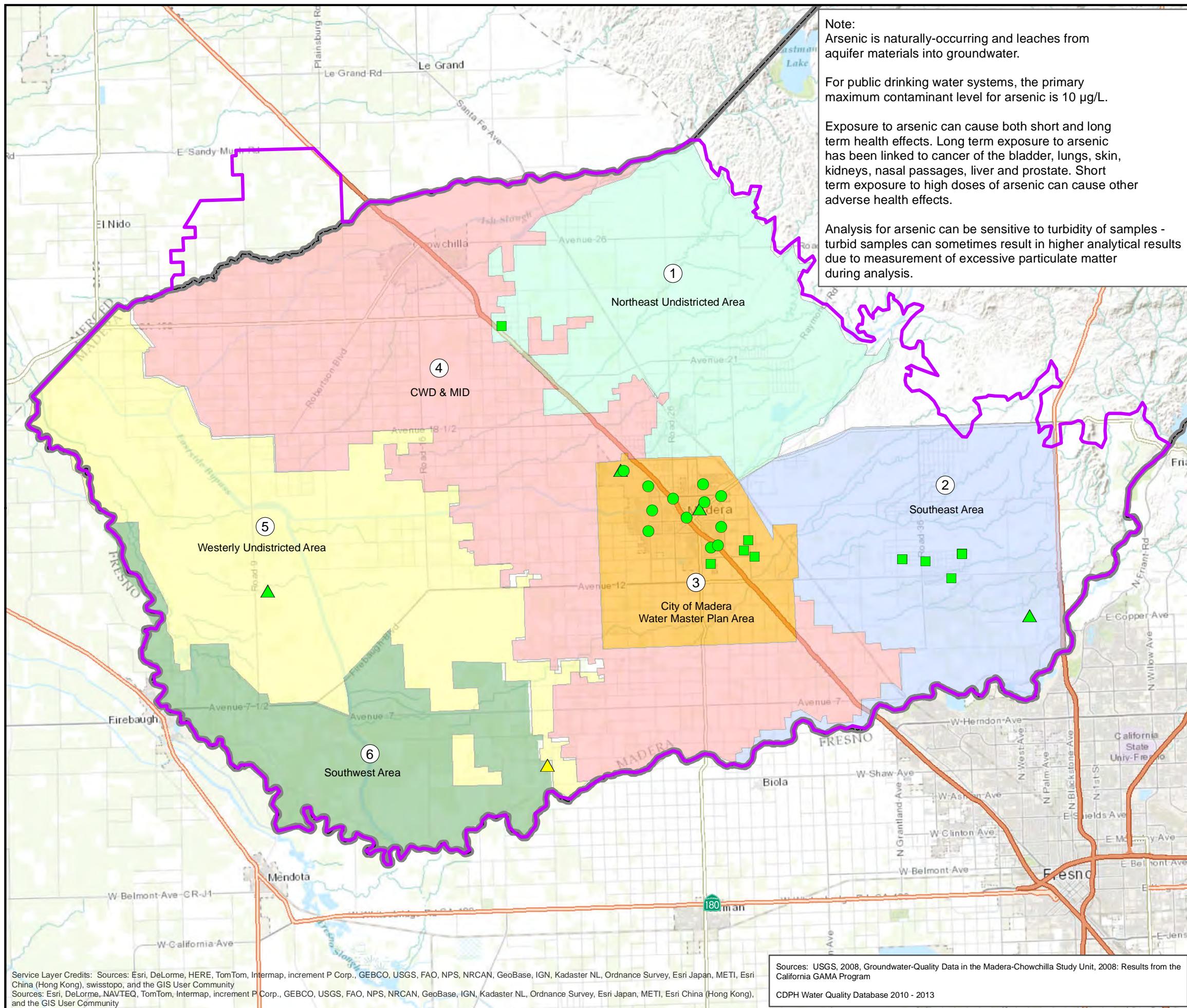
Groundwater Management Plan Boundary

Madera County Boundary

Note: All wells are classified by total well depth. The represented wells may have different sanitary seal depths and perforation intervals and therefore may represent unique water quality or composite water quality of the shallow aquifers.



WOOD RODGERS
DEVELOPING INNOVATIVE DESIGN SOLUTIONS
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Sacramento, CA 95816 Fax: 916.341.7767



MAP OF ARSENIC CONCENTRATION IN INTERMEDIATE WELLS

MADERA REGIONAL
GROUNDWATER MANAGEMENT PLAN
APRIL 2014



Arsenic ($\mu\text{g/L}$) in City Wells 400 - 600 feet

- < 5
- 5 - 10
- > 10

Arsenic ($\mu\text{g/L}$) in County Wells 400 - 600 feet

- < 5
- 5 - 10
- > 10

Arsenic ($\mu\text{g/L}$) in USGS GAMA Wells 400 - 600 feet

- ▲ < 5
- ▲ 5 - 10
- ▲ > 10

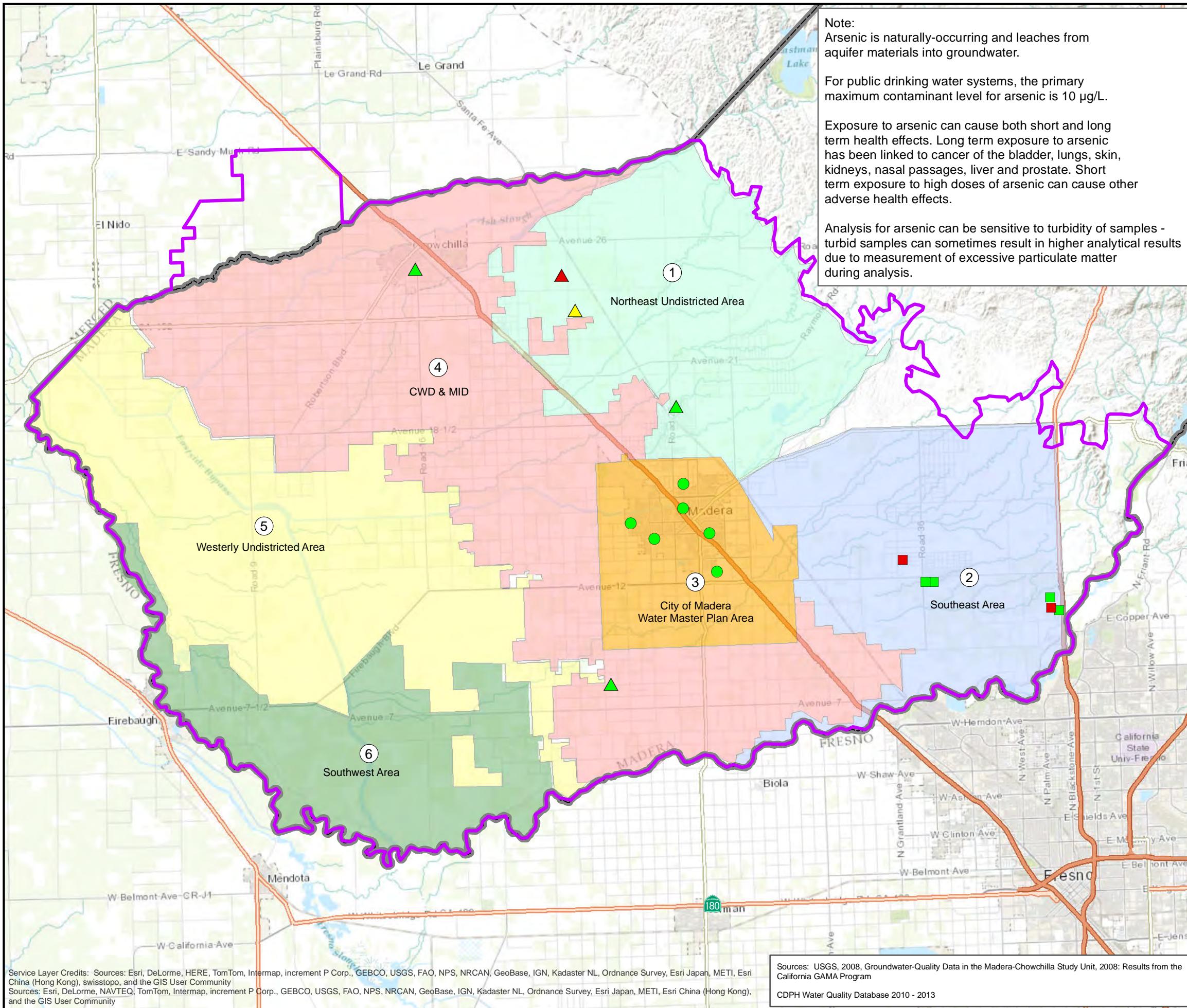
Groundwater Management Plan Boundary

Madera County Boundary

Note: All wells are classified by total well depth. Some wells may have screen perforations that begin shallower than the depth classification and therefore may represent composite water quality across two or more aquifers.



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MAP OF ARSENIC CONCENTRATION IN DEEP WELLS

MADERA REGIONAL GROUNDWATER MANAGEMENT PLAN APRIL 2014



2 4
MILES

Arsenic (µg/L) in City Wells > 600 feet

- < 5
- 5 - 10
- > 10

Arsenic (µg/L) in County Wells > 600 feet

- < 5
- 5 - 10
- > 10

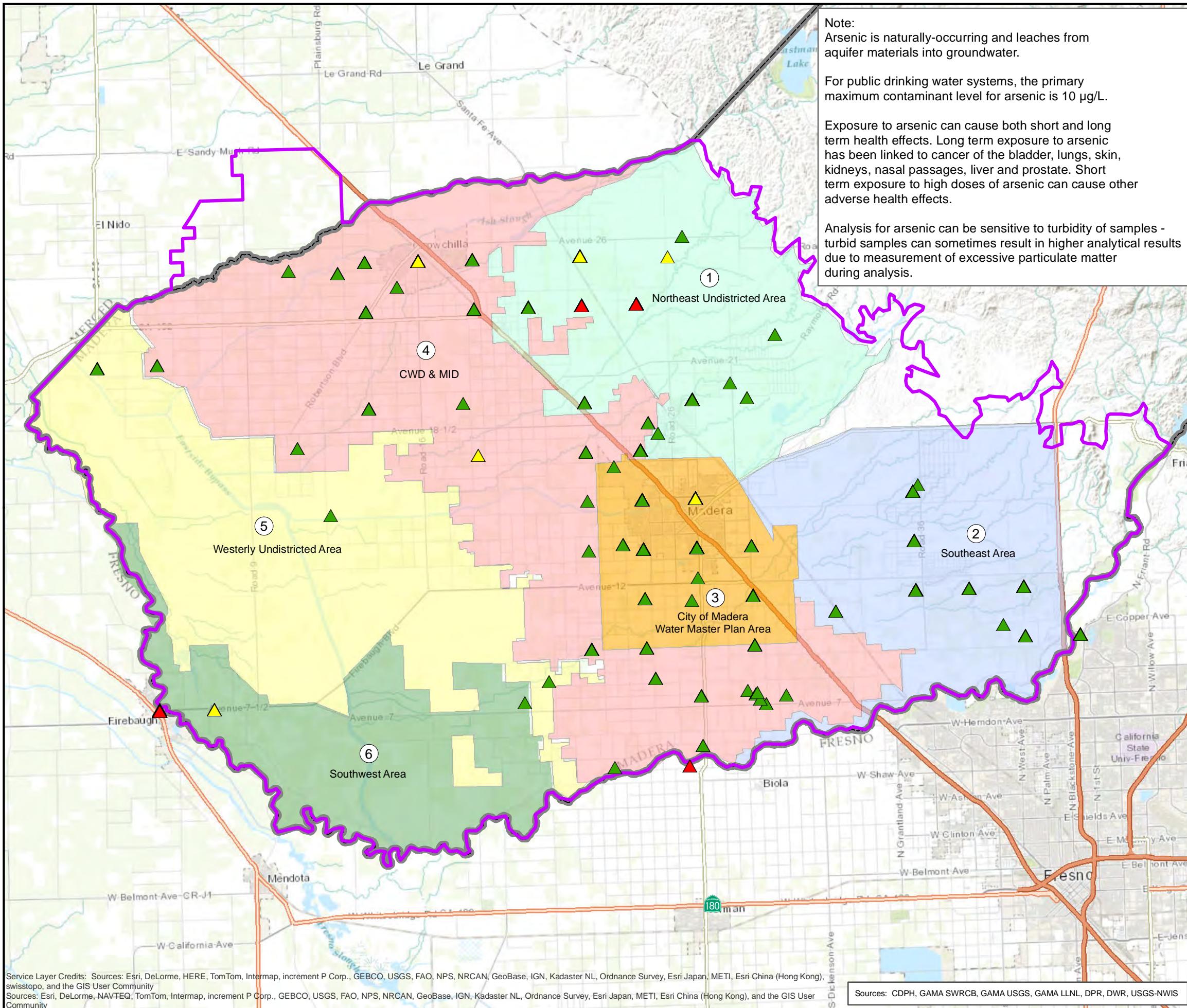
Arsenic (µg/L) in USGS GAMA Wells > 600 feet

- < 5
 - 5 - 10
 - > 10
- Groundwater Management Plan Boundary
- Madera County Boundary

Note: All wells are classified by total well depth. Some wells may have screen perforations that begin shallower than the depth classification and therefore may represent composite water quality across two or more aquifers.



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**MAP OF ARSENIC CONCENTRATION
IN WELLS OF UNKNOWN DEPTH**

MADERA REGIONAL
GROUNDWATER MANAGEMENT PLAN
APRIL 2014



2
MILES

Arsenic ($\mu\text{g/L}$) in Other USGS GAMA Wells

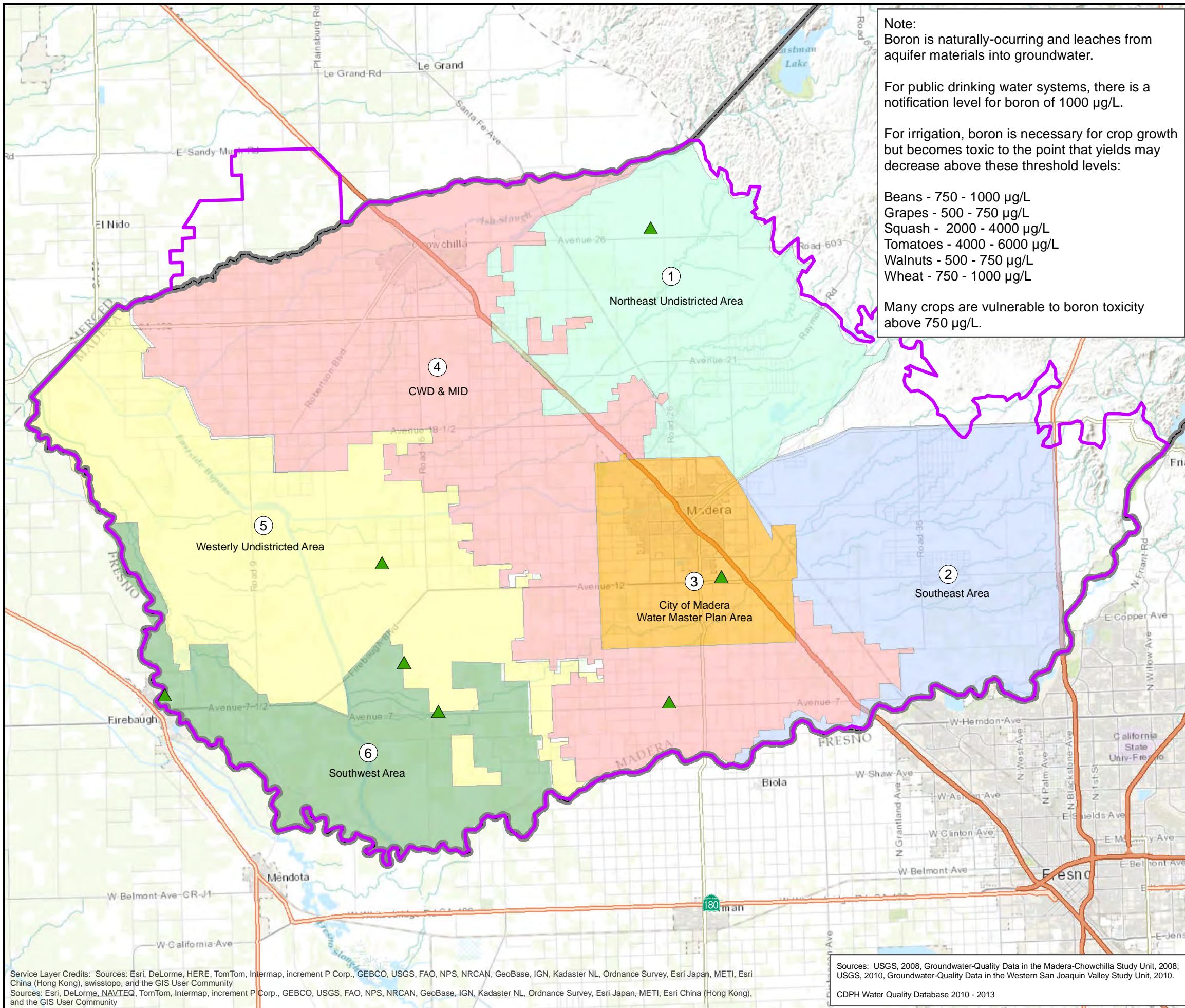
- ▲ < 5
 - ▲ 5 - 10
 - ▲ > 10
- Groundwater Management Plan Boundary
- Madera County Boundary

Note: Well construction records were not available for these wells. Some wells may have screen perforations that connect two or more aquifers and may therefore represent composite water quality.



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MAP OF BORON CONCENTRATION IN SHALLOW WELLS
MADERA REGIONAL GROUNDWATER MANAGEMENT PLAN APRIL 2014



2
4
MILES

Boron (µg/L) in City Wells < 400 feet

- < 500
- 500 - 750
- 750 - 1000
- 1000 - 2000
- > 2000

Boron (µg/L) in County Wells < 400 feet

- < 500
- 500 - 750
- 750 - 1000
- 1000 - 2000
- > 2000

Boron (µg/L) in USGS GAMA Wells < 400 feet

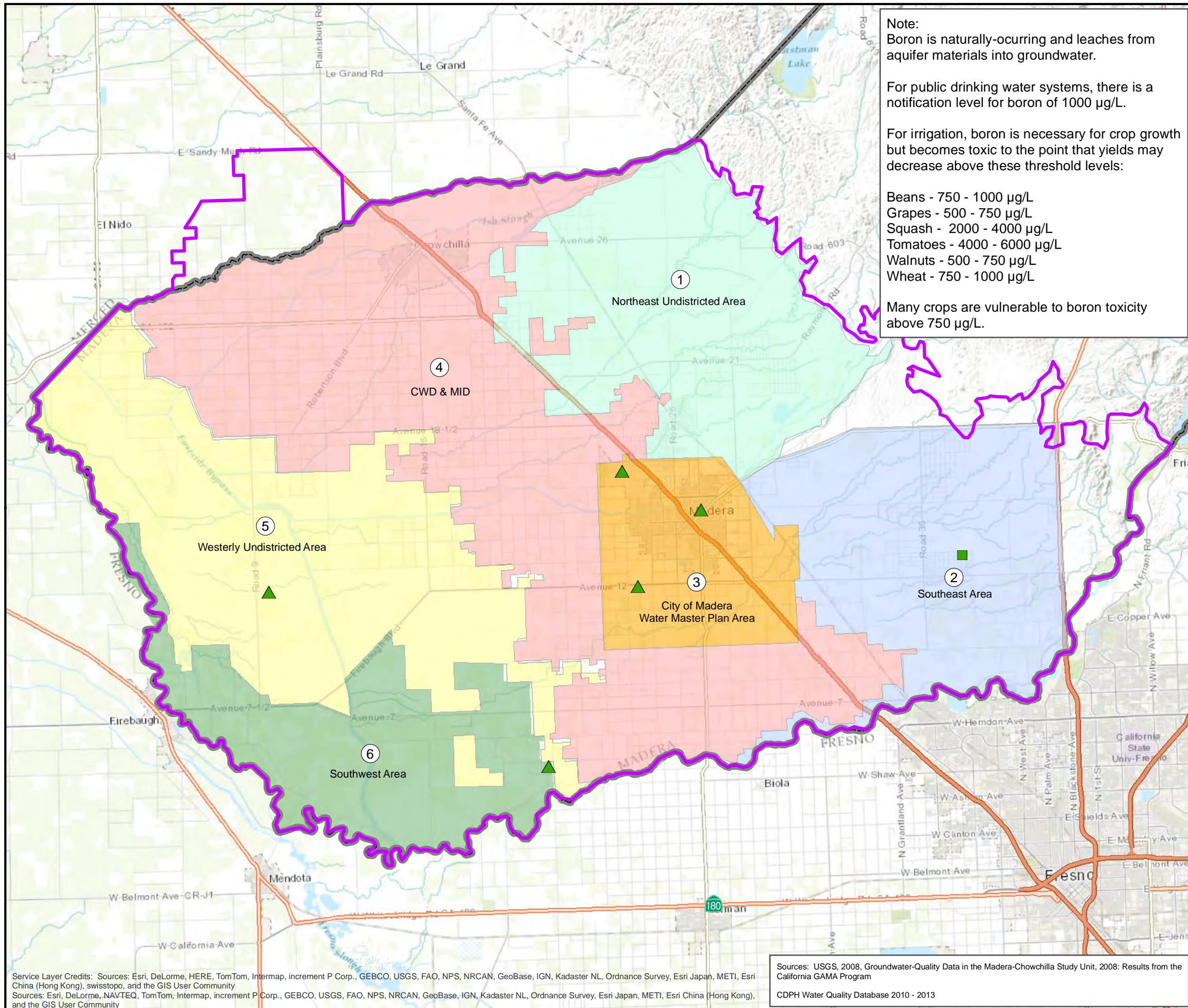
- < 500
- 500 - 750
- 750 - 1000
- 1000 - 2000
- > 2000

Groundwater Management Plan Boundary

Madera County Boundary

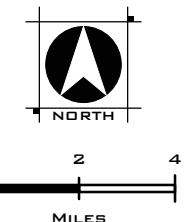


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MAP OF BORON CONCENTRATION IN INTERMEDIATE WELLS

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APRIL 2014



Boron (µg/L) in County Wells 400 - 600 feet

- < 500
- 500 - 750
- 750 - 1000
- 1000 - 2000
- > 2000

Boron (µg/L) in City Wells 400 - 600 feet

- < 500
- 500 - 750
- 750 - 1000
- 1000 - 2000
- > 2000

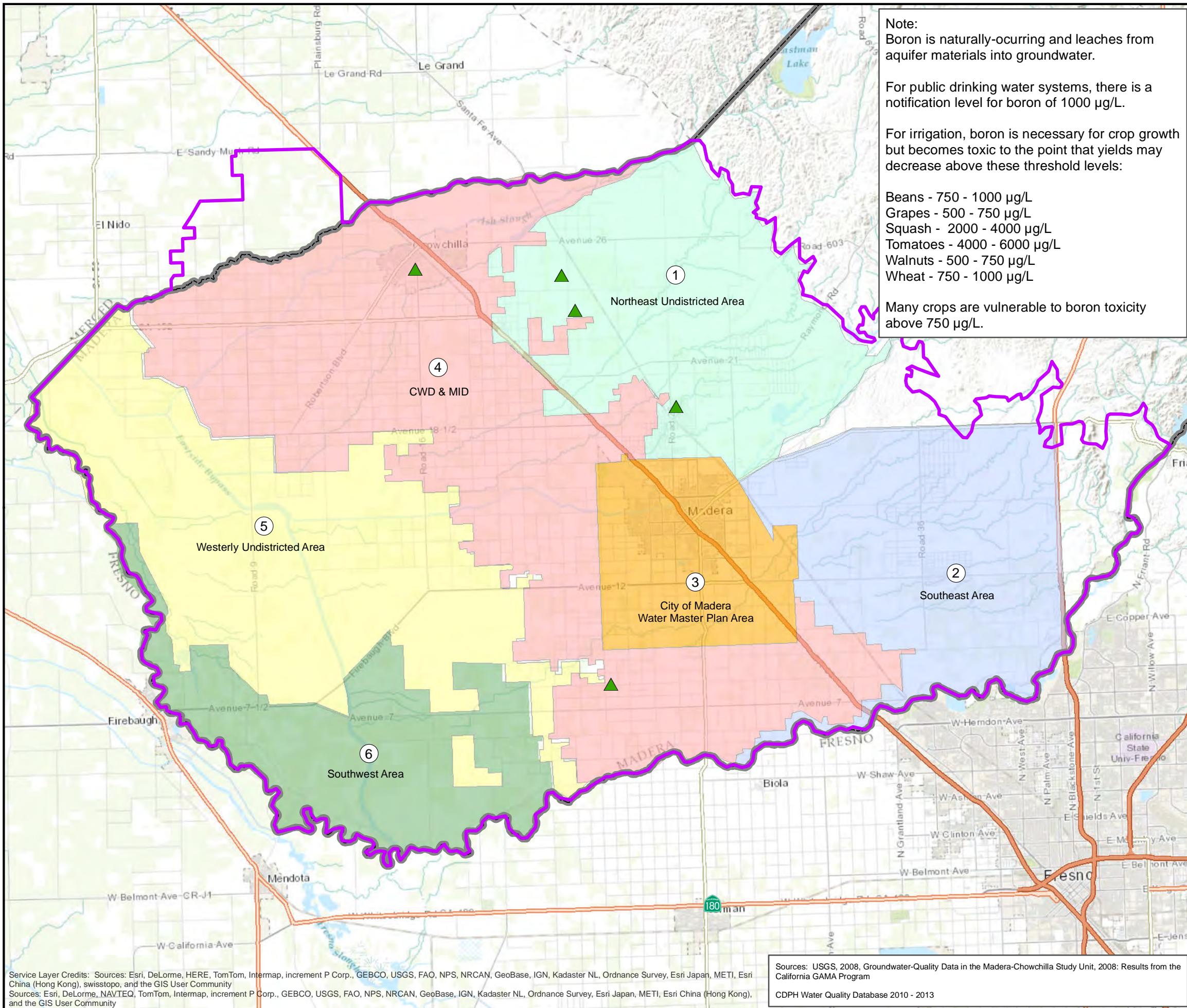
Boron (µg/L) in USGS GAMA Wells 400 - 600 feet

- < 500
 - 500 - 750
 - 750 - 1000
 - 1000 - 2000
 - > 2000
- Groundwater Management Plan Boundary
- Madera County Boundary

Note: All wells are classified by total well depth. Some wells may have screen perforations that begin shallower than the depth classification and therefore may represent composite water quality across two or more aquifers.

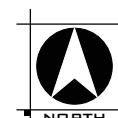


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MAP OF BORON CONCENTRATION IN DEEP WELLS

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APRIL 2014



2
MILES

Boron (µg/L) in City Wells > 600 feet

- < 500
- 500 - 750
- 750 - 1000
- 1000 - 2000
- > 2000

Boron (µg/L) in County Wells > 600 feet

- < 500
- 500 - 750
- 750 - 1000
- 1000 - 2000
- > 2000

Boron (µg/L) in USGS GAMA Wells > 600 feet

- < 500
 - 500 - 750
 - 750 - 1000
 - 1000 - 2000
 - > 2000
- Groundwater Management Plan Boundary
- Madera County Boundary

Note: All wells are classified by total well depth. Some wells may have screen perforations that begin shallower than the depth classification and therefore may represent composite water quality across two or more aquifers.

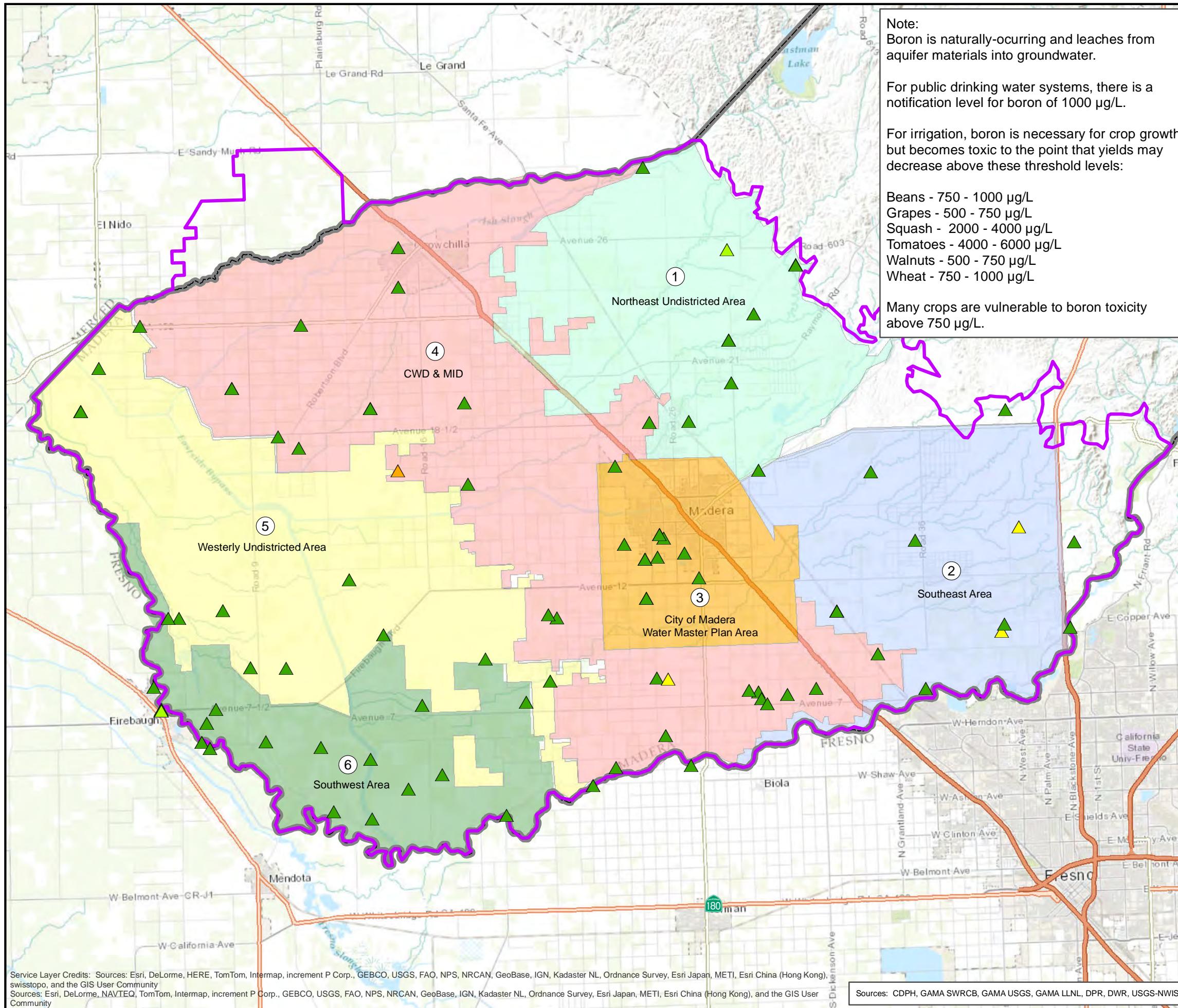
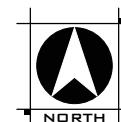


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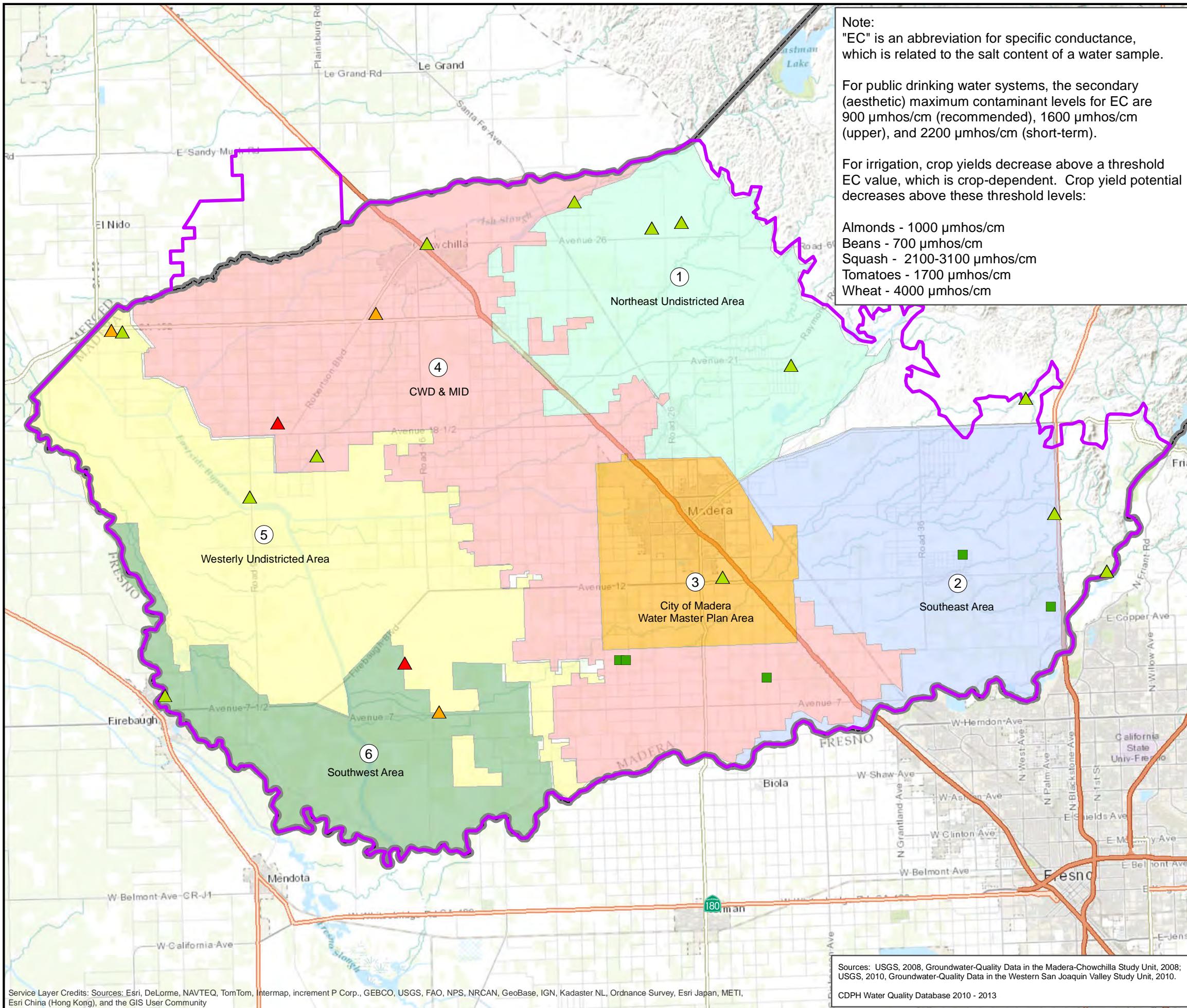
A2 E-177

MAP OF BORON CONCENTRATION IN WELLS OF UNKNOWN DEPTH

MADERA REGIONAL
GROUNDWATER MANAGEMENT PLAN
APRIL 2014

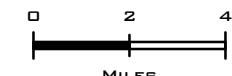


Note: Well construction records were not available for these wells. Some wells may have screen perforations that connect two or more aquifers and may therefore represent composite water quality.



MAP OF SPECIFIC CONDUCTANCE IN SHALLOW WELLS

MADERA REGIONAL
GROUNDWATER MANAGEMENT PLAN
APRIL 2014



EC ($\mu\text{mhos}/\text{cm}$) in County Wells < 400 feet

- < 600
- 600 - 900
- 900 - 1600
- > 1600

EC ($\mu\text{mhos}/\text{cm}$) in City Wells < 400 feet

- < 600
- 600 - 900
- 900 - 1600
- > 1600

EC ($\mu\text{mhos}/\text{cm}$) in USGS GAMA Wells < 400 feet

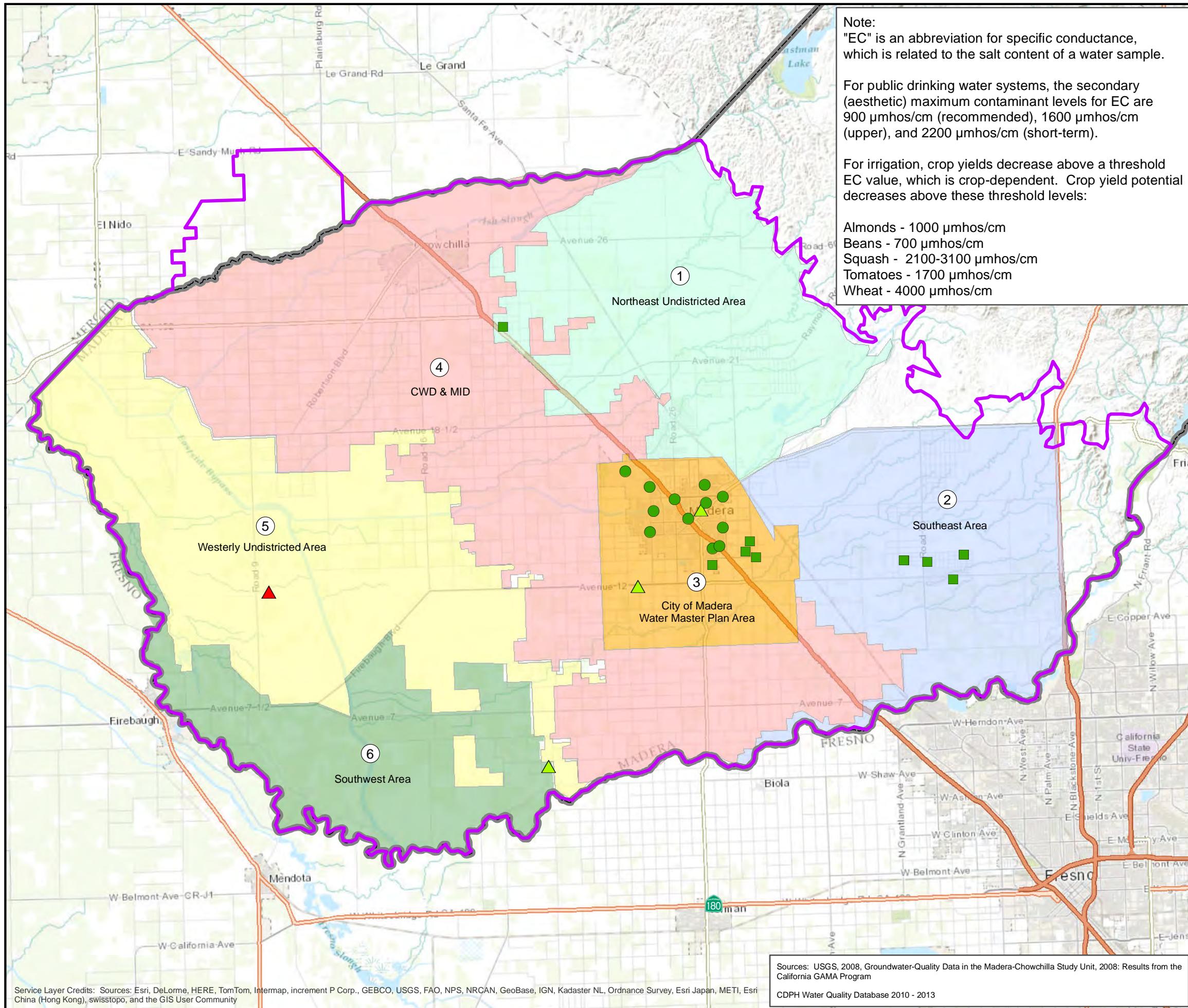
- ▲ < 600
- ▲ 600 - 900
- ▲ 900 - 1600
- ▲ > 1600

Groundwater Management Plan Boundary

Madera County Boundary



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MAP OF SPECIFIC CONDUCTANCE IN INTERMEDIATE WELLS

MADERA REGIONAL
GROUNDWATER MANAGEMENT PLAN
APRIL 2014



EC ($\mu\text{mhos}/\text{cm}$) in City Wells 400 - 600 feet

- < 600
- 600 - 900
- 900 - 1600
- > 1600

EC ($\mu\text{mhos}/\text{cm}$) in County Wells 400 - 600 feet

- < 600
- 600 - 900
- 900 - 1600
- > 1600

EC ($\mu\text{mhos}/\text{cm}$) in USGS GAMA Wells 400 - 600 feet

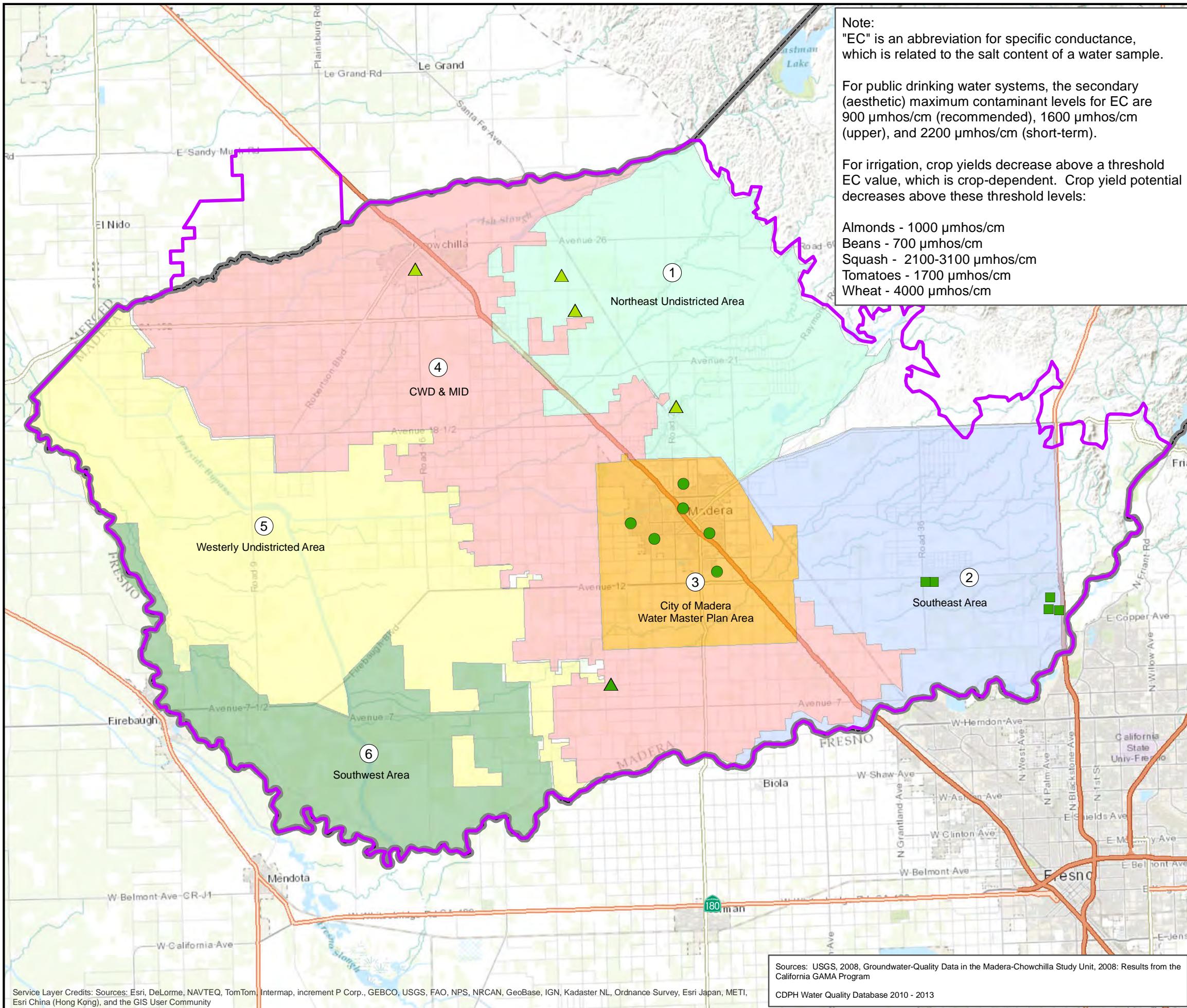
- < 600
- 600 - 900
- 900 - 1600
- > 1600

- Groundwater Management Plan Boundary
- Madera County Boundary

Note: All wells are classified by total well depth. Some wells may have screen perforations that begin shallower than the depth classification and therefore represent composite water quality across two or more aquifers.



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MAP OF SPECIFIC CONDUCTANCE IN DEEP WELLS

MADERA REGIONAL GROUNDWATER MANAGEMENT PLAN APRIL 2014



2
MILES

EC ($\mu\text{mhos}/\text{cm}$) in City Wells > 600 feet

- < 600
- 600 - 900
- 900 - 1600
- > 1600

EC ($\mu\text{mhos}/\text{cm}$) in County Wells > 600 feet

- < 600
- 600 - 900
- 900 - 1600
- > 1600

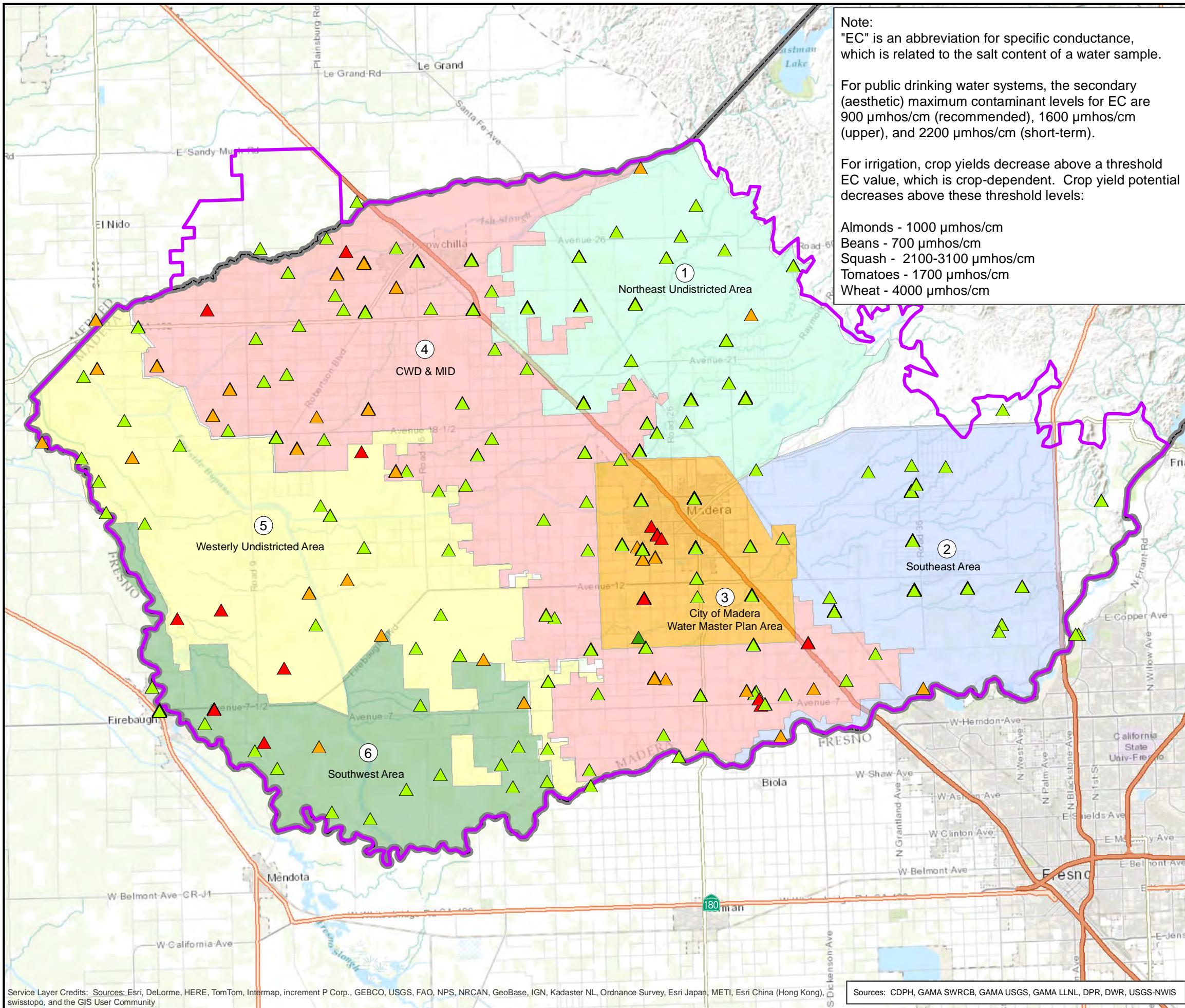
EC ($\mu\text{mhos}/\text{cm}$) in USGS GAMA Wells > 600 feet

- ▲ < 600
 - ▲ 600 - 900
 - ▲ 900 - 1600
 - ▲ > 1600
- Groundwater Management Plan Boundary
- Madera County Boundary

Note: All wells are classified by total well depth. Some wells may have screen perforations that begin shallower than the depth classification and therefore may represent composite water quality across two or more aquifers.



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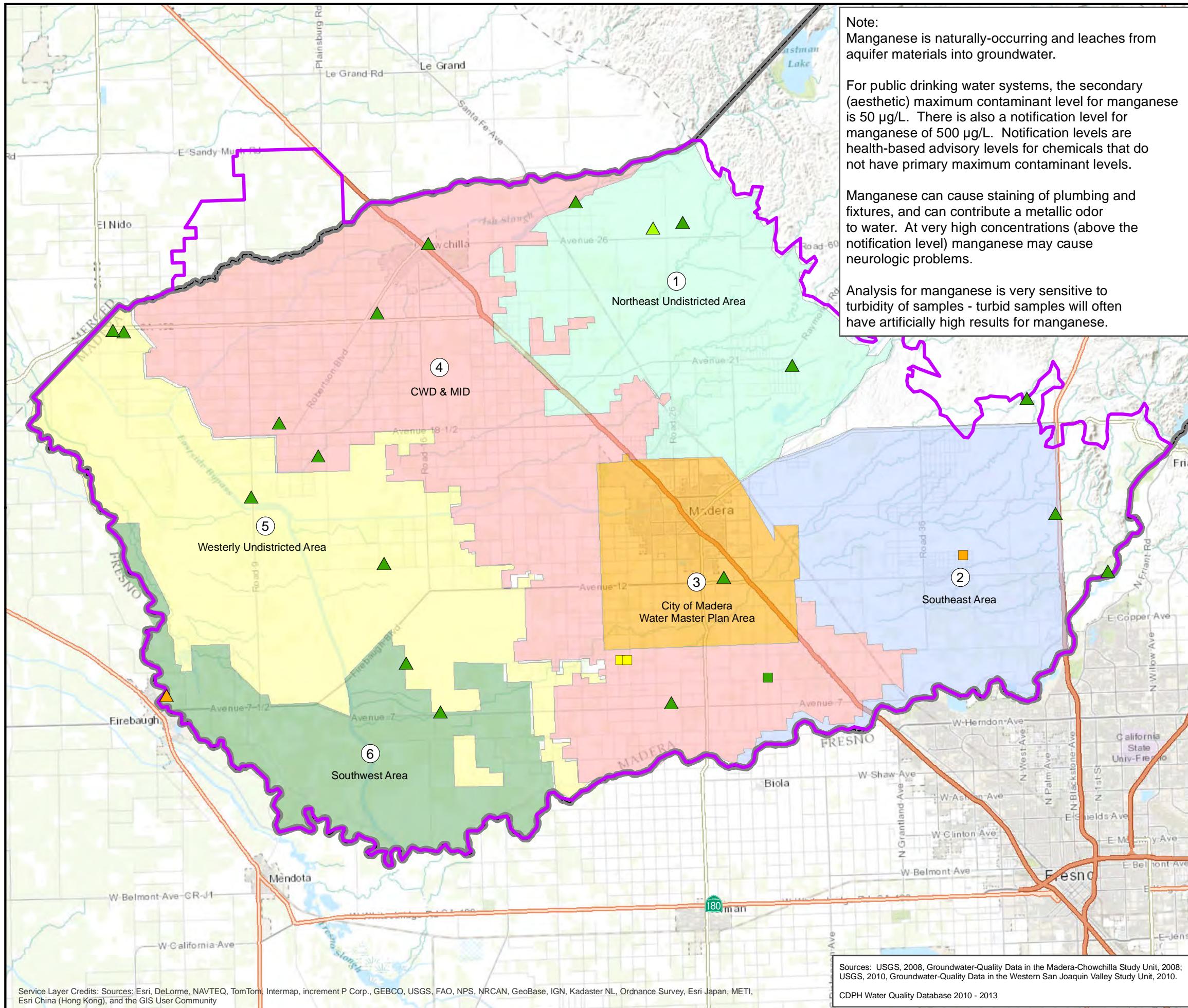


MAP OF SPECIFIC CONDUCTANCE IN WELLS OF UNKNOWN DEPTH

MADERA REGIONAL
GROUNDWATER MANAGEMENT PLAN
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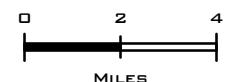
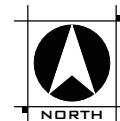


Note: Well construction records were not available for these wells. Some wells may have screen perforations that connect two or more aquifers and may therefore represent composite water quality.



MAP OF MANGANESE CONCENTRATION IN SHALLOW WELLS

MADERA REGIONAL
GROUNDWATER MANAGEMENT PLAN
APRIL 2014



Manganese (µg/L) in City Wells < 400 feet

- < 25
- 25 - 50
- 50 - 150
- 150 - 500
- > 500

Manganese (µg/L) in County Wells < 400 feet

- < 25
- 25 - 50
- 50 - 150
- 150 - 500
- > 500

Manganese (µg/L) in USGS GAMA Wells < 400 feet

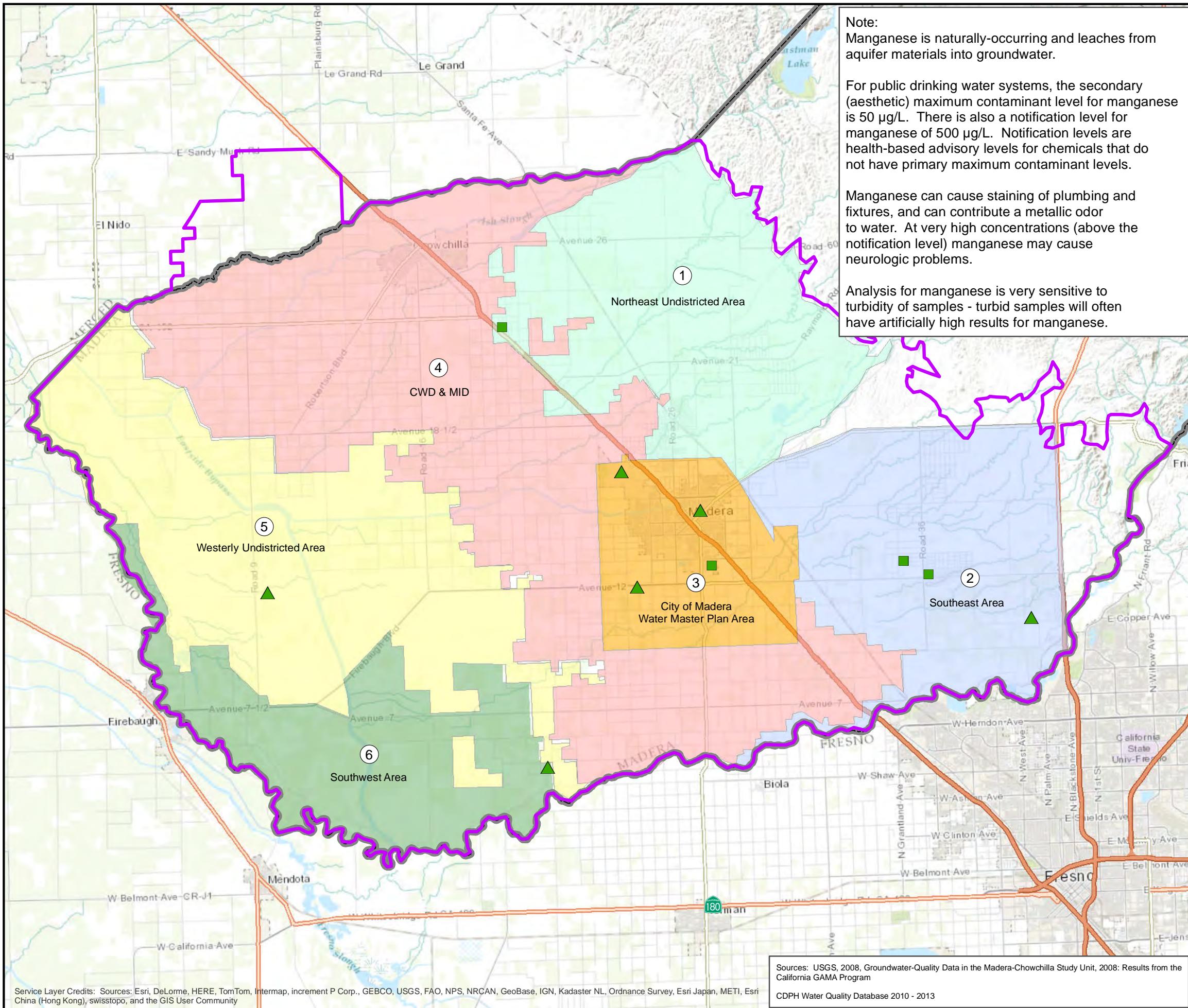
- ▲ < 25
- ▲ 25 - 50
- ▲ 50 - 150
- ▲ 150 - 500
- ▲ > 500

■ Groundwater Management Plan Boundary

■ Madera County Boundary

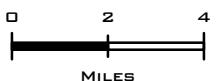


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MAP OF MANGANESE CONCENTRATION IN INTERMEDIATE WELLS

MADERA REGIONAL GROUNDWATER MANAGEMENT PLAN APRIL 2014



Manganese (µg/L) in City Wells 400 - 600 feet

- < 25
- 25 - 50
- 50 - 150
- 150 - 500
- > 500

Manganese (µg/L) in County Wells 400 - 600 feet

- < 25
- 25 - 50
- 50 - 150
- 150 - 500
- > 500

Manganese (µg/L) in USGS GAMA Wells 400 - 600 feet

- ▲ < 25
- ▲ 25 - 50
- ▲ 50 - 150
- ▲ 150 - 500
- ▲ > 500

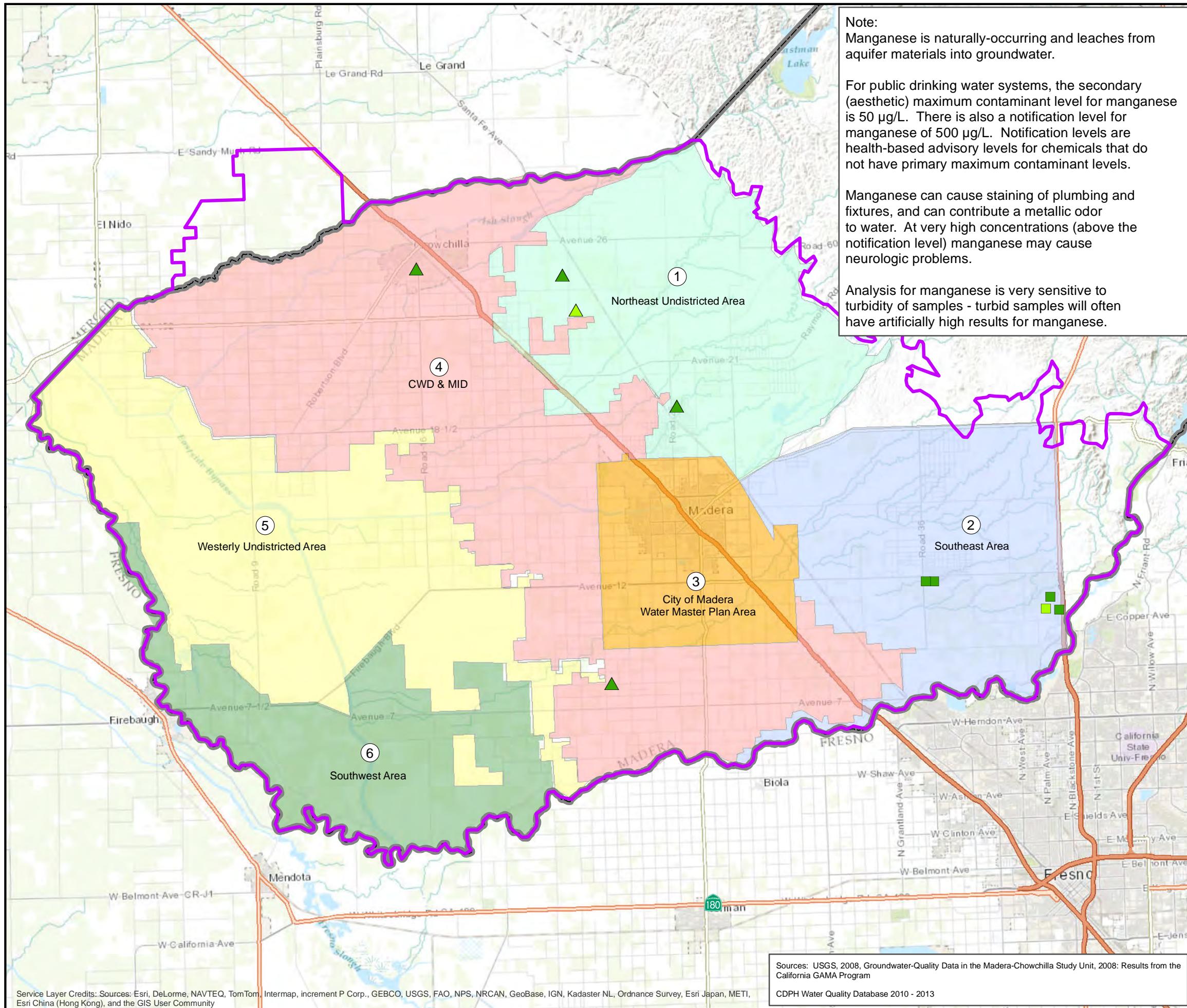
■ Groundwater Management Plan Boundary

■ Madera County Boundary

Note: All wells are classified by total well depth. Some wells may have screen perforations that begin shallower than the depth classification and therefore represent composite water quality across two or more aquifers.

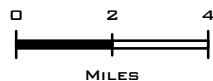
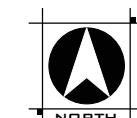


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A2 E-184



MAP OF MANGANESE CONCENTRATION IN DEEP WELLS

MADERA REGIONAL
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APRIL 2014



Manganese (µg/L) in City Wells > 600 feet

- < 25
- 25 - 50
- 50 - 150
- 150 - 500
- > 500

Manganese (µg/L) in County Wells > 600 feet

- < 25
- 25 - 50
- 50 - 150
- 150 - 500
- > 500

Manganese (µg/L) in USGS GAMA Wells > 600 feet

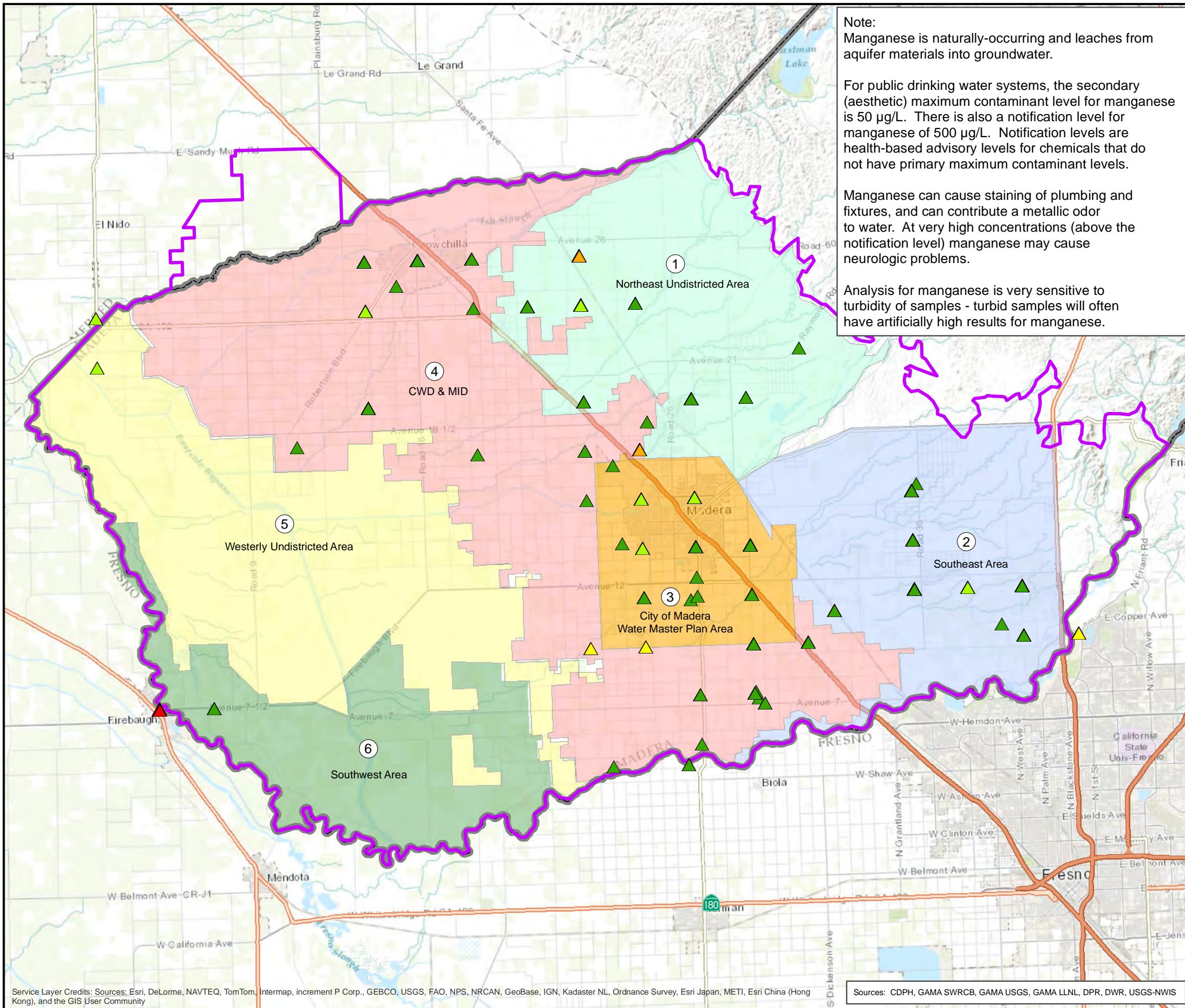
- ▲ < 25
 - ▲ 25 - 50
 - ▲ 50 - 150
 - ▲ 150 - 500
 - ▲ > 500
- Groundwater Management Plan Boundary
- Madera County Boundary

Note: All wells are classified by total well depth. Some wells may have screen perforations that begin shallower than the depth classification and therefore represent composite water quality across two or more aquifers.



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MAP OF MANGANESE CONCENTRATION IN WELLS OF UNKNOWN DEPTH

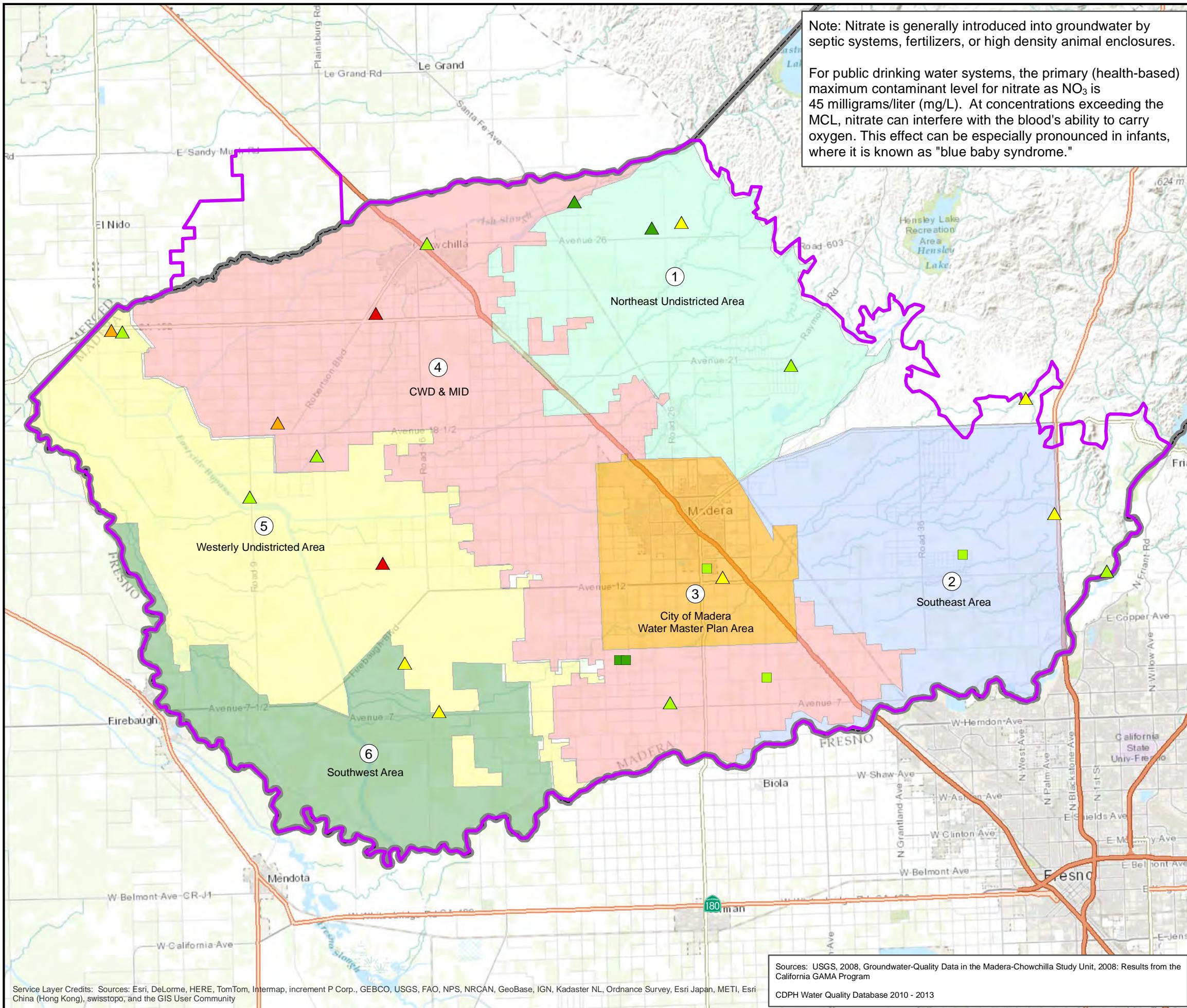
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APRIL 2014



Manganese (µg/L) in Other USGS GAMA Wells

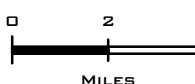
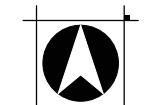
- ▲ < 25
- ▲ 25 - 50
- ▲ 50 - 150
- ▲ 150 - 500
- ▲ > 500
- Groundwater Management Plan Boundary
- Madera County Boundary

Note: Well construction records were not available for these wells. Some wells may have screen perforations that connect two or more aquifers and may therefore represent composite water quality.



MAP OF NITRATE (AS NO₃) CONCENTRATION IN SHALLOW WELLS

MADERA REGIONAL
GROUNDWATER MANAGEMENT PLAN
APRIL 2014



Nitrate as NO₃ (mg/L) in City Wells < 400 feet

- < 5
- 5 - 15
- 15 - 30
- 30 - 45
- > 45

Nitrate as NO₃ (mg/L) in County Wells < 400 feet

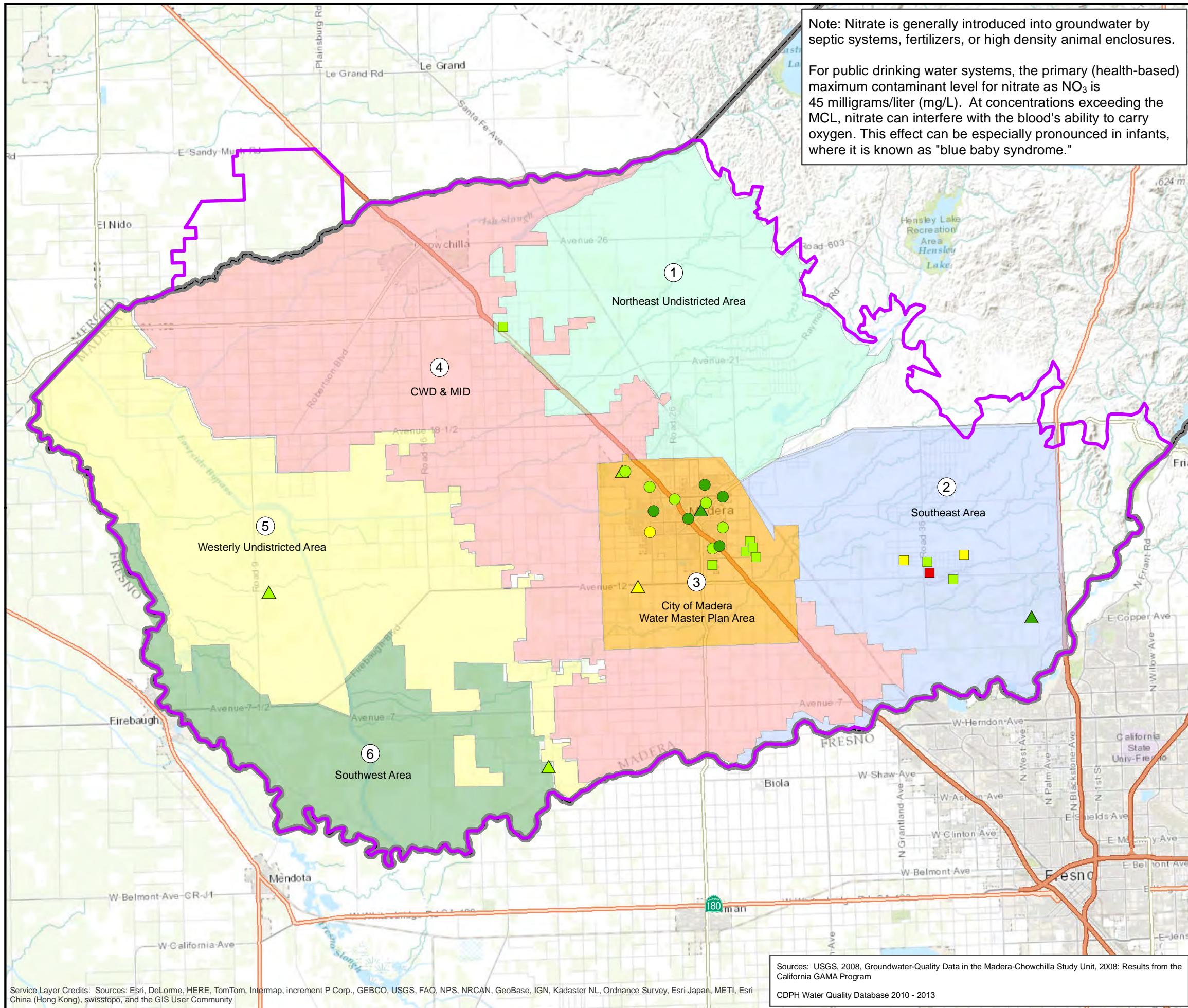
- < 5
- 5 - 15
- 15 - 30
- 30 - 45
- > 45

Nitrate as NO₃ (mg/L) in USGS GAMA Wells < 400 feet

- ▲ < 5
- ▲ 5 - 15
- ▲ 15 - 30
- ▲ 30 - 45
- ▲ > 45

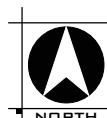
■ Groundwater Management Plan Boundary

■ Madera County Boundary



MAP OF NITRATE (AS NO_3) CONCENTRATION IN INTERMEDIATE WELLS

MADERA REGIONAL
GROUNDWATER MANAGEMENT PLAN
APRIL 2014



Nitrate as NO_3 (mg/L) in City Wells 400-600 feet

- < 5
- 5 - 15
- 15 - 30
- 30 - 45
- > 45

Nitrate as NO_3 (mg/L) in County Wells 400-600 feet

- < 5
- 5 - 15
- 15 - 30
- 30 - 45
- > 45

Nitrate as NO_3 (mg/L) in USGS GAMA Wells 400-600 feet

- < 5
- 5 - 15
- 15 - 30
- 30 - 45
- > 45

Groundwater Management Plan Boundary

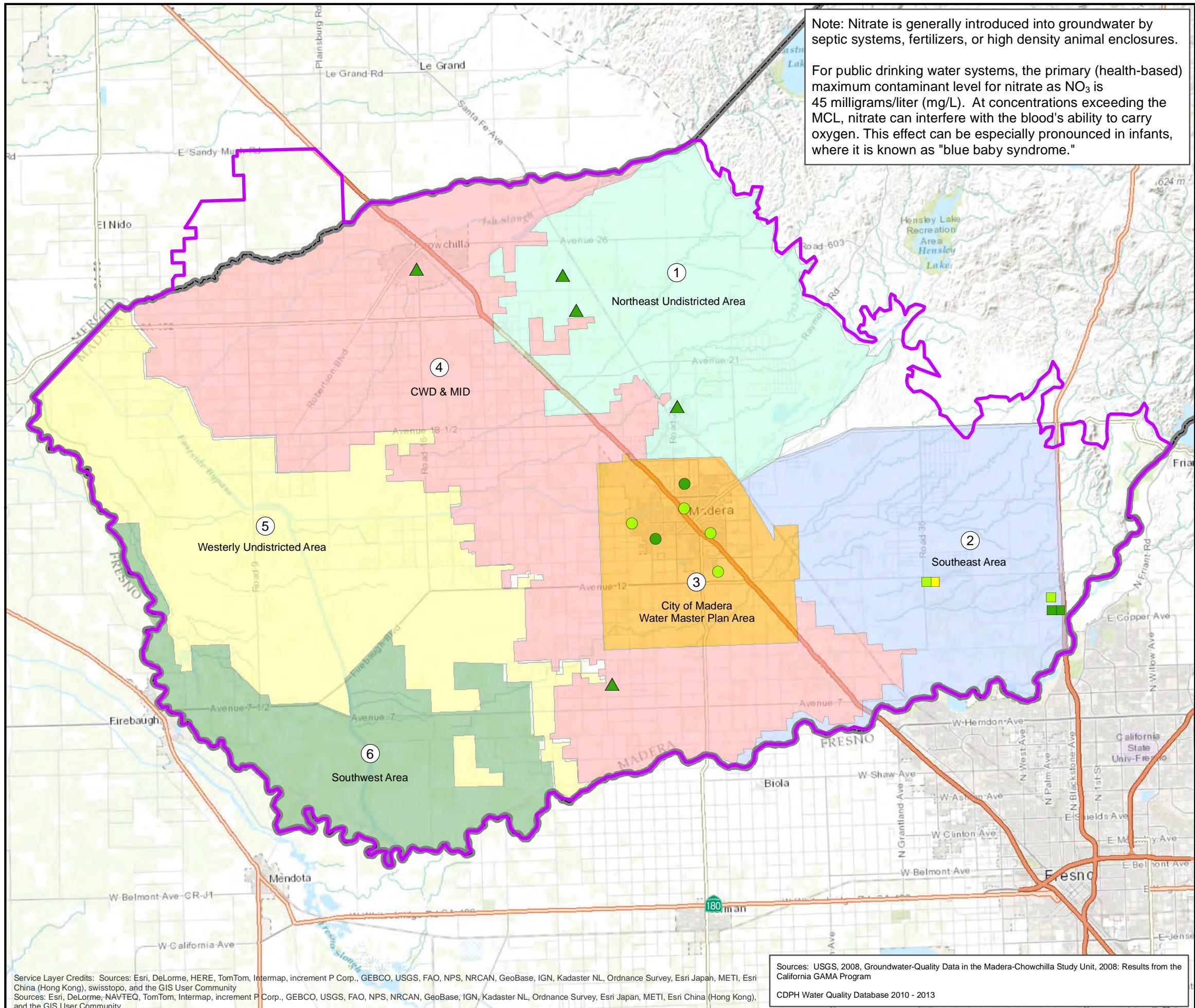
Madera County Boundary

Note: All wells are classified by total well depth. Some wells may have screen perforations that begin shallower than the depth classification and therefore represent composite water quality across two or more aquifers.



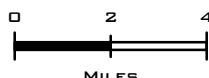
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MAP OF NITRATE (AS NO_3) CONCENTRATION IN DEEP WELLS

MADERA REGIONAL
GROUNDWATER MANAGEMENT PLAN
APRIL 2014



Nitrate as NO_3 (mg/L) in City Wells > 600 feet

- < 5
- 5 - 15
- 15 - 30
- 30 - 45
- > 45

Nitrate as NO_3 (mg/L) in County Wells > 600 feet

- < 5
- 5 - 15
- 15 - 30
- 30 - 45
- > 45

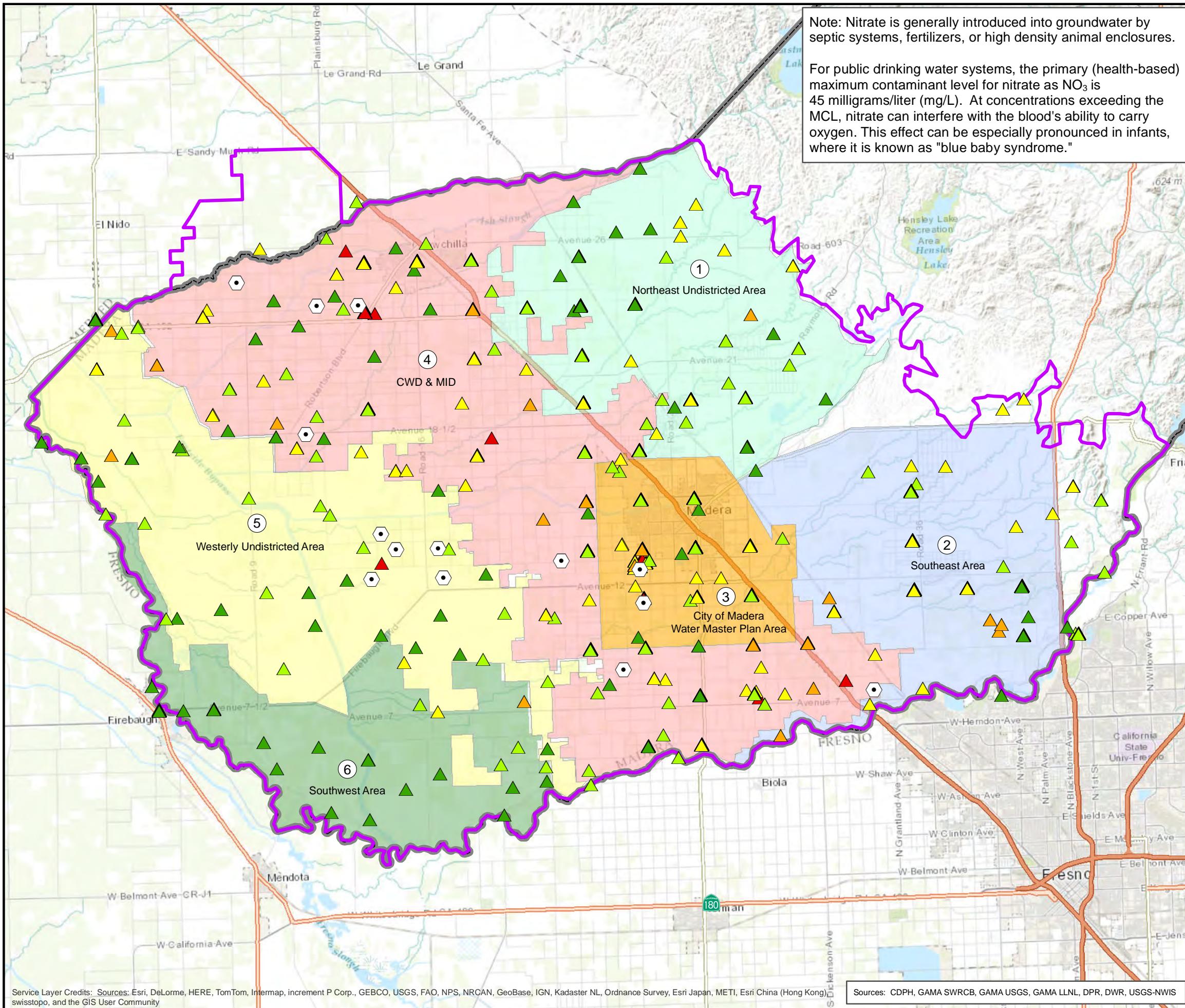
Nitrate as NO_3 (mg/L) in USGS GAMA Wells > 600 feet

- ▲ < 5
 - ▲ 5 - 15
 - ▲ 15 - 30
 - ▲ 30 - 45
 - ▲ > 45
- Legend:**
- Groundwater Management Plan Boundary
 - Madera County Boundary

Note: All wells are classified by total well depth. Some wells may have screen perforations that begin shallower than the depth classification and therefore represent composite water quality across two or more aquifers.

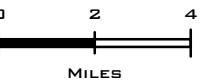


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MAP OF NITRATE (AS NO_3) CONCENTRATION IN WELLS OF UNKNOWN DEPTH

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GROUNDWATER MANAGEMENT PLAN
APRIL 2014



● Land-Use that may contribute to Nitrate contamination

Nitrate as NO_3 (mg/L) in Other USGS GAMA Wells

- ▲ < 5
 - ▲ 5 - 15
 - ▲ 15 - 30
 - ▲ 30 - 45
 - ▲ > 45
- Groundwater Management Plan Boundary
- Madera County Boundary

Note: Well construction records were not available for these wells. Some wells may have screen perforations that connect two or more aquifers and may therefore represent composite water quality.

APPENDIX 2.F. WATER BUDGET INFORMATION

Prepared as part of the
Groundwater Sustainability Plan
Chowchilla Subbasin

January 2020

GSP Team:
Davids Engineering, Inc
Luhdorff & Scalmanini
ERA Economics
Stillwater Sciences and
California State University, Sacramento

2.F. Water Budget Information

- 2.F.a. Surface Water System Water Budget: Chowchilla Water District GSA
- 2.F.b. Surface Water System Water Budget: Madera County East GSA
- 2.F.c. Surface Water System Water Budget: Madera County West GSA
- 2.F.d. Surface Water System Water Budget: Sierra Vista Mutual Water Company
- 2.F.e. Surface Water System Water Budget: Triangle T Water District GSA
- 2.F.f. Daily Reference Evapotranspiration and Precipitation Quality Control
- 2.F.g. Development of Daily Time Step IDC Root Zone Water Budget Model

APPENDIX 2.F. WATER BUDGET INFORMATION

2.F.a. Surface Water System Water Budget: Chowchilla Water District GSA

Prepared as part of the
Groundwater Sustainability Plan
Chowchilla Subbasin

January 2020

GSP Team:
Davids Engineering, Inc
Luhdorff & Scalmanini
ERA Economics
Stillwater Sciences and
California State University, Sacramento

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1 INTRODUCTION

To ensure sustainable groundwater management throughout California's groundwater basins, the Sustainable Groundwater Management Act of 2014 (SGMA) requires Groundwater Sustainability Agencies (GSAs) to prepare and adopt Groundwater Sustainability Plans (GSPs) with strategies to achieve subbasin groundwater sustainability within 20 years of plan adoption. Integral to each GSP is a water budget used to quantify the subbasin's groundwater overdraft (if applicable) and sustainable yield.

In 2016, Chowchilla Water District (CWD) GSA formed to manage approximately 85,200 acres of the Chowchilla Subbasin. This document presents results of the surface water system (SWS) water budgets developed for historical and current land use conditions in CWD GSA. The CWD GSA water budgets were integrated with separate water budgets developed for four (4) other subregions of the Chowchilla Subbasin representing the three (3) other subbasin GSAs. Together, these water budgets provide the boundary water budget for the Chowchilla Subbasin SWS. Results of the subbasin boundary water budget are reported in the Chowchilla Subbasin GSP Section 2.2.3 and were integrated with a subbasin groundwater model (GSP Appendix 6.E) to estimate subbasin sustainable yield (GSP Section 2.2.3).

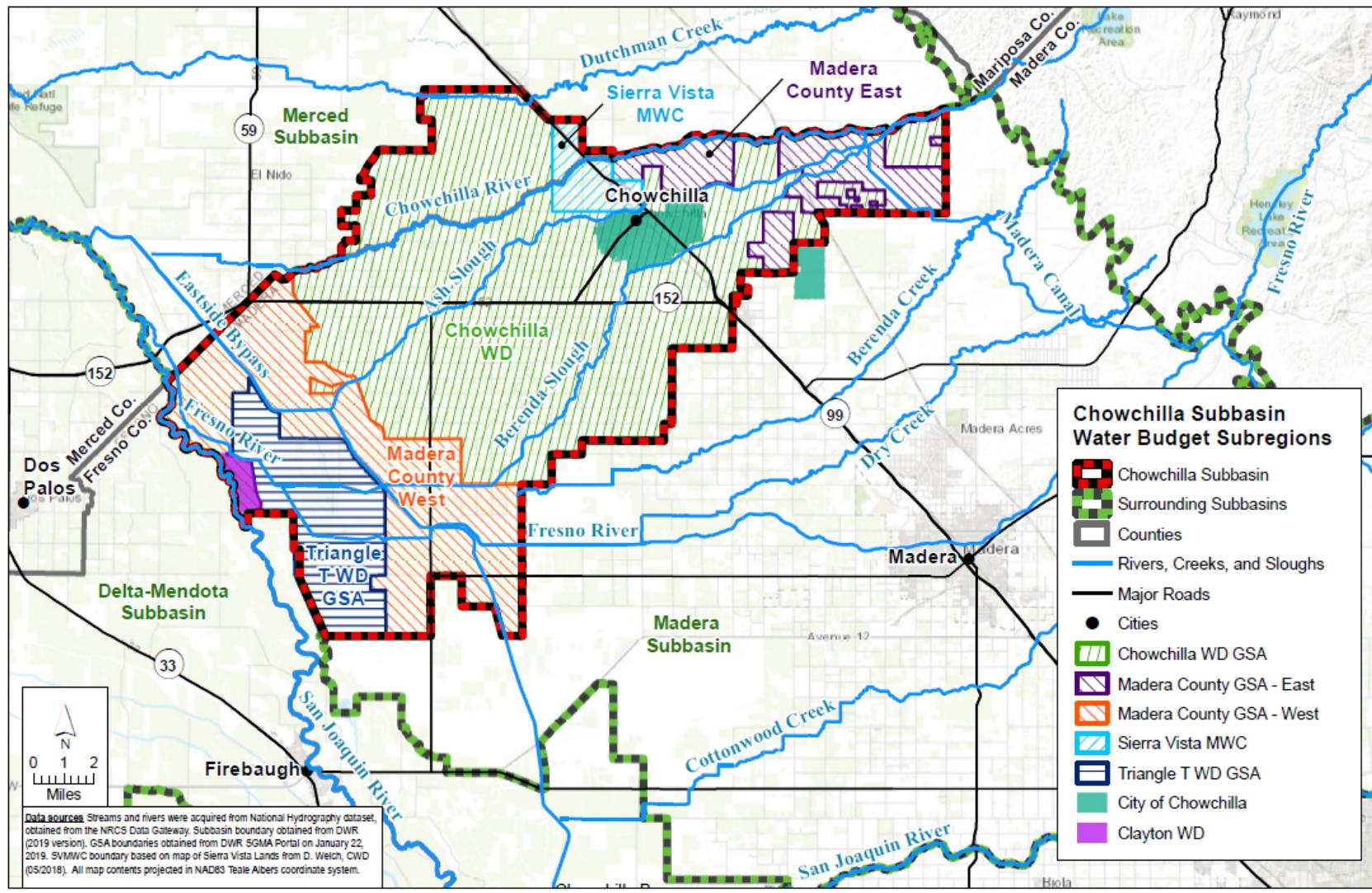
2 WATER BUDGET CONCEPTUAL MODEL

A water budget is defined as a complete accounting of all water flowing into and out of a defined volume (e.g., a subbasin or a GSA) over a specified period of time. The conceptual model (or structure) of the CWD GSA water budget developed for this investigation is consistent with the GSP Regulations defined under Title 23 of California Code of Regulations¹ (CCR) and adheres to sound water budget principles and practices defined by California Department of Water Resources (DWR) in the Water Budget Best Management Practice (BMP) guidelines (DWR, 2016).

The lateral extent of CWD GSA is defined by the boundaries indicated in Figure A2.F.a-1. The vertical extent of CWD GSA is the land surface (top) and the base of fresh water at the bottom of the basin (bottom), as described in the hydrogeologic conceptual model (HCM) developed in GSP Section 2.2.1. The vertical extent of Chowchilla Subbasin and its GSAs is subdivided into a surface water system (SWS) and the underlying groundwater system (GWS), with separate but related water budgets prepared for each that together represent the overall subbasin water budget.

A conceptual representation of the CWD GSA water budget is represented in Figure A2-F.a-2. This document details only the SWS portion of the CWD GSA water budget. The SWS is divided into three primary accounting centers: the Land Surface System, the Rivers and Streams System, and the Canal System. The Land Surface System is further divided into four accounting centers representing CWD GSA's water use sectors: Agricultural Land, Native Vegetation Land, and Urban Land (urban, semi-agricultural, and industrial), and Managed Recharge Land.

¹ California Code of Regulations Title 23. Waters, Division 2. Department of Water Resources, Chapter 1.5. Groundwater Management, Subchapter 2. Groundwater Sustainability Plans.



Chowchilla Subbasin Water Budget Subregion Map

Chowchilla Subbasin Groundwater Sustainability Plan

Figure A2.F.a-1. Chowchilla Subbasin Water Budget Subregion Map

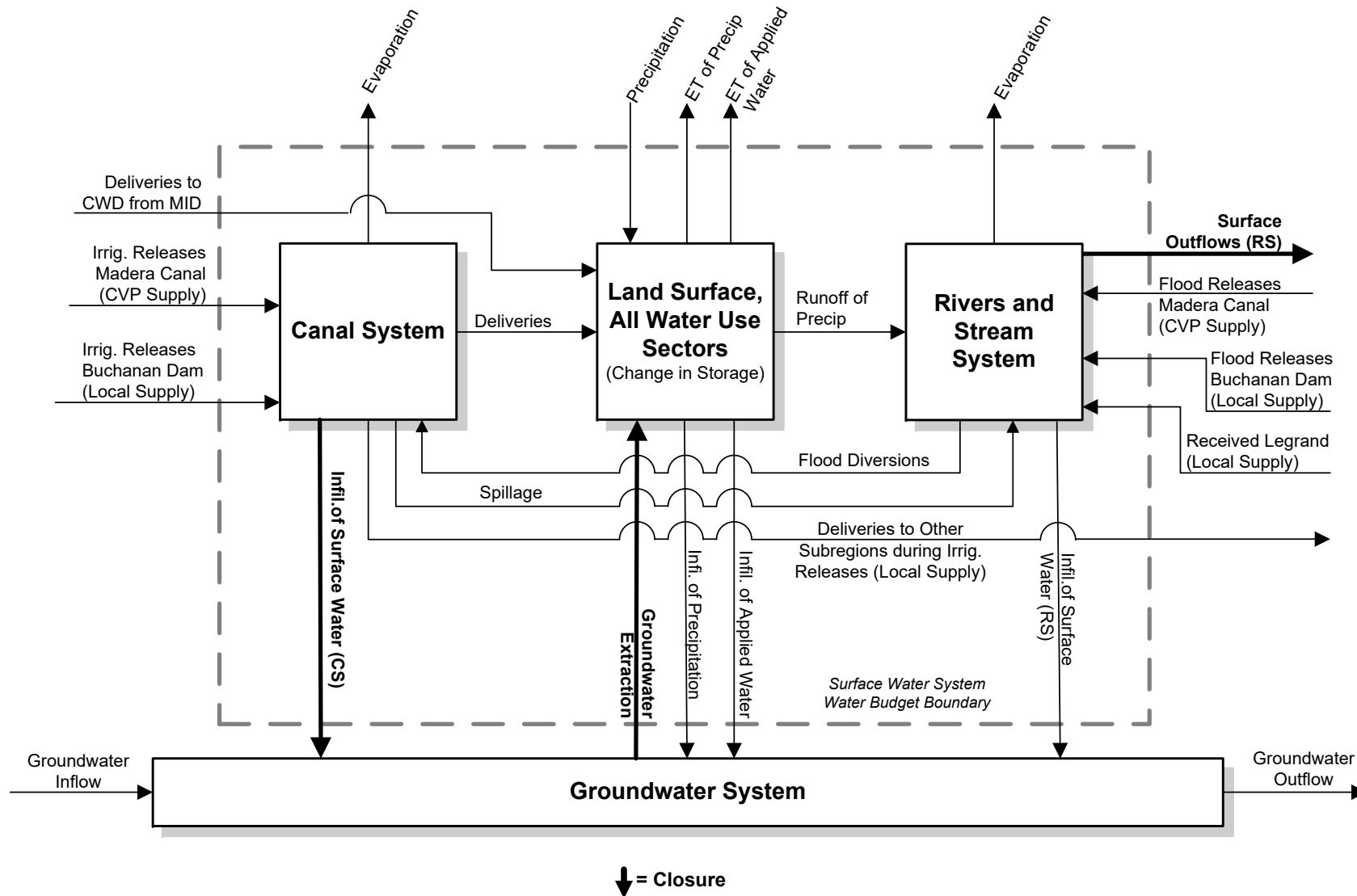


Figure A2.F.a-2. Chowchilla Water District GSA Water Budget Structure

Water budget components, or directional flow of water between accounting centers and across the SWS boundary, are indicated by arrows. Inflows and outflows were calculated using measurements and other historical data or were calculated as the water budget closure term – the difference between all other estimated or measured inflows and outflows from each accounting center or water use sector (**bold** arrows).

Inflows to the SWS include precipitation, surface water inflows (in various canals, rivers, and streams), and groundwater extraction. Outflows from the SWS include evapotranspiration (ET), surface water outflows (in various canals and streams), and infiltration to the groundwater system (seepage and deep percolation). Also represented in Figure A2.F.a-2 are inflows and outflows from the GWS, which are discussed and quantified at the subbasin level in the GWS water budget in GSP Section 2.2.3. Subsurface GWS inflows and outflows are not quantified on the water budget subregion scale.

Inflows and outflows were quantified following the process described in GSP Section 2.2.3 on a monthly time step for water years in the historical water budget base period (1989-2014 hydrologic and land use conditions), the current water budget (2015 land use using 1989-2014 average hydrologic conditions), and projected water budget. Four projected water budgets were prepared for the years 2019 through 2090 based on 1965 through 2015 hydrologic conditions, projected water supplies, and 2017 land use adjusted for urban area projected growth from 2017-2070 (areas were held constant from 2071-2090):

1. Historical hydrologic conditions and water supply data, with adjustment for projected alteration of available Friant releases by the San Joaquin River Restoration Program (SJRRP)²
 - a. Without projects and management actions, and
 - b. With projects and management actions
2. Historical hydrologic conditions and water supply data, with adjustment for projected alteration of available Friant releases by the SJRRP and adjustment for anticipated climate change per DWR-provided 2030 climate change factors
 - a. Without projects and management actions, and
 - b. With projects and management actions.

Information regarding the data sources and adjustments used to prepare the historical, current, and projected water budgets are described in GSP Section 2.2.3.

3 WATER BUDGET ANALYSIS

The historical water budget and current land use water budget for CWD GSA are presented below following a summary of land use data relevant to water budget development. Land use data is provided for the 1989-2014 historical water budget period and for 2015, the current land use water budget period.

² Adjustments were based on the Friant Report ("Estimate of Future Friant Division Supplies for use in Groundwater Sustainability Plans, California," Friant Water Authority, 2018). Although the Friant Report accounts for climate change, it is considered the best available estimate of projected Friant releases under SJRRP. For comparison, projected Madera Canal deliveries under SJRRP were also estimated without account for climate change from the Kondolf Hydrographs (in "Effects to Water Supply and Friant Operations Resulting From Plaintiffs' Friant Release Requirements," Steiner, 2005). These estimates were approximately equal to the Friant Report 2030 climate change adjusted deliveries. Thus, the Friant Report projections were used instead to maintain consistent assumptions in estimating Madera Canal deliveries across all projected simulations.

3.1 Land Use

Land use estimates for 1989 through 2015 corresponding to water use sectors (as defined by the GSP Regulations) are summarized in Figure A2.F.a-3 and Table A2.F.a-1 for the CWD GSA. According to GSP Regulations (23 CCR § 351(al)):

"Water use sector" refers to categories of water demand based on the general land uses to which the water is applied, including urban, industrial, agricultural, managed wetlands, managed recharge, and native vegetation.

In CWD GSA, water use sectors include agricultural, native vegetation, urban, and managed recharge land use. The urban land use category includes urban and semi-agricultural³ lands as well as industrial land, which covers only a small area in the subbasin. In CWD GSA, the managed recharge water use sector represents a portion of agricultural lands that receive flood water for recharge during non-irrigation season months. As no land in the GSA is purposed exclusively for managed recharge, managed recharge acreage is not summarized below.

As indicated, the majority of land in CWD GSA is used for agriculture, covering an average of approximately 73,100 acres between 1989 and 2014. Agricultural acreage has gradually been reduced over time with the expansion of urban lands from 4,400 acres in 1989 to over 9,000 acres in 2015.

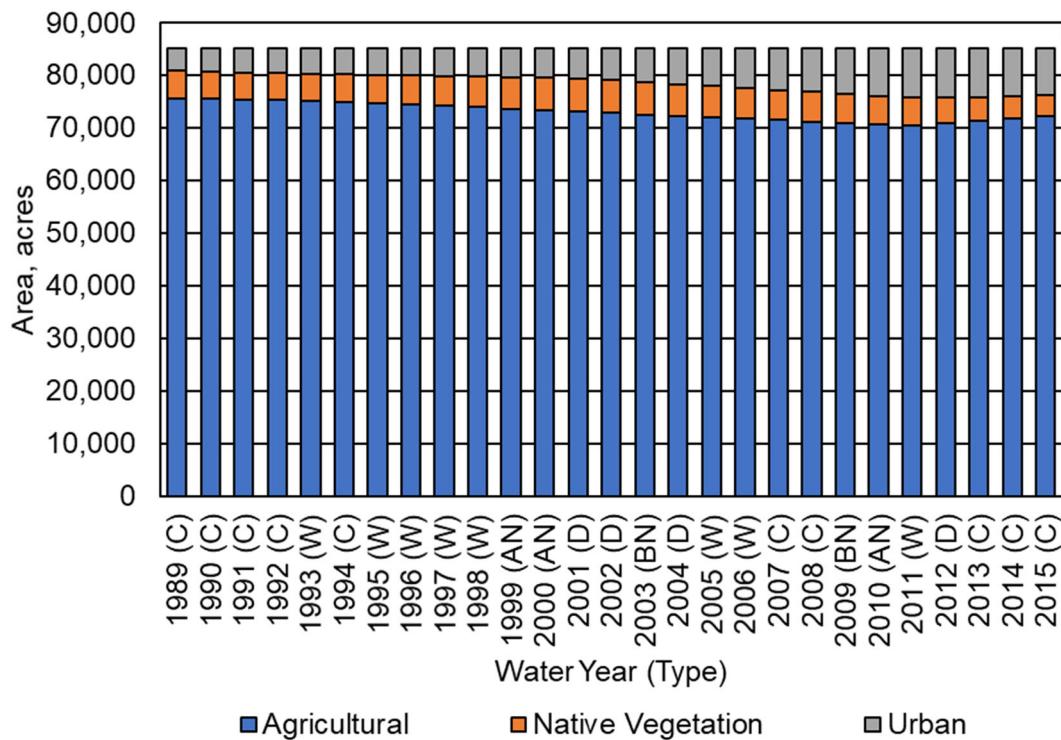


Figure A2.F.a-3. Chowchilla Water District GSA Land Use Areas

³ As defined in the DWR county land use surveys, semi-agricultural land use subclasses include farmsteads, livestock feed lot operations, dairies, poultry farms, and miscellaneous semi-agricultural land use incidental to agriculture (small roads, ditches, non-planted areas of cropped fields (DWR, 2009).

Table A2.F.a-1. Chowchilla Water District GSA Land Use Areas, acres

Water Year (Type)	Agricultural	Native Vegetation ¹	Urban ²	Total
1989 (C)	75,658	5,175	4,396	85,229
1990 (C)	75,524	5,193	4,513	85,229
1991 (C)	75,400	5,189	4,640	85,229
1992 (C)	75,267	5,185	4,778	85,229
1993 (W)	75,148	5,163	4,918	85,229
1994 (C)	74,980	5,190	5,060	85,229
1995 (W)	74,769	5,257	5,203	85,229
1996 (W)	74,494	5,429	5,306	85,229
1997 (W)	74,218	5,602	5,409	85,229
1998 (W)	73,942	5,774	5,512	85,229
1999 (AN)	73,667	5,947	5,615	85,229
2000 (AN)	73,392	6,119	5,718	85,229
2001 (D)	73,116	6,292	5,821	85,229
2002 (D)	72,843	6,233	6,153	85,229
2003 (BN)	72,571	6,132	6,526	85,229
2004 (D)	72,299	6,032	6,898	85,229
2005 (W)	72,026	5,932	7,271	85,229
2006 (W)	71,754	5,832	7,643	85,229
2007 (C)	71,482	5,731	8,016	85,229
2008 (C)	71,210	5,631	8,388	85,229
2009 (BN)	70,938	5,531	8,761	85,229
2010 (AN)	70,665	5,431	9,133	85,229
2011 (W)	70,393	5,330	9,505	85,229
2012 (D)	70,832	4,932	9,466	85,229
2013 (C)	71,293	4,560	9,377	85,229
2014 (C)	71,752	4,189	9,287	85,229
2015 (C)	72,332	3,836	9,061	85,229
Average (1989-2014)	73,063	5,501	6,666	85,229

¹ Area includes land classified as native vegetation and water surfaces.² Area includes land classified as urban, industrial, and semi-agricultural.

Agricultural land uses are further detailed in Figure A2.F.a-4 and Table A2.F.a-2. Historically, a majority of the agricultural area in CWD has been used to cultivate orchard crops, mixed pasture, alfalfa, and corn. While mixed pasture and alfalfa acreage has decreased since the early 1990s, orchard acreage more than doubled between 1989 and 2015.

3.2 Surface Water System Water Budget

This section presents surface water system water budget components within CWD GSA as per GSP regulations. These are followed by a summary of the water budget results by accounting center.

3.2.1 Inflows

3.2.1.1 Surface Water Inflow by Water Source Type

Surface water inflows include surface water flowing into CWD across the subregion boundary. Per the Regulations, surface inflows must be reported by water source type. According to the Regulations:

"Water source type" represents the source from which water is derived to meet the applied beneficial uses, including groundwater, recycled water, reused water, and surface water sources identified as Central Valley Project, the State Water Project, the Colorado River Project, local supplies, and local imported supplies.

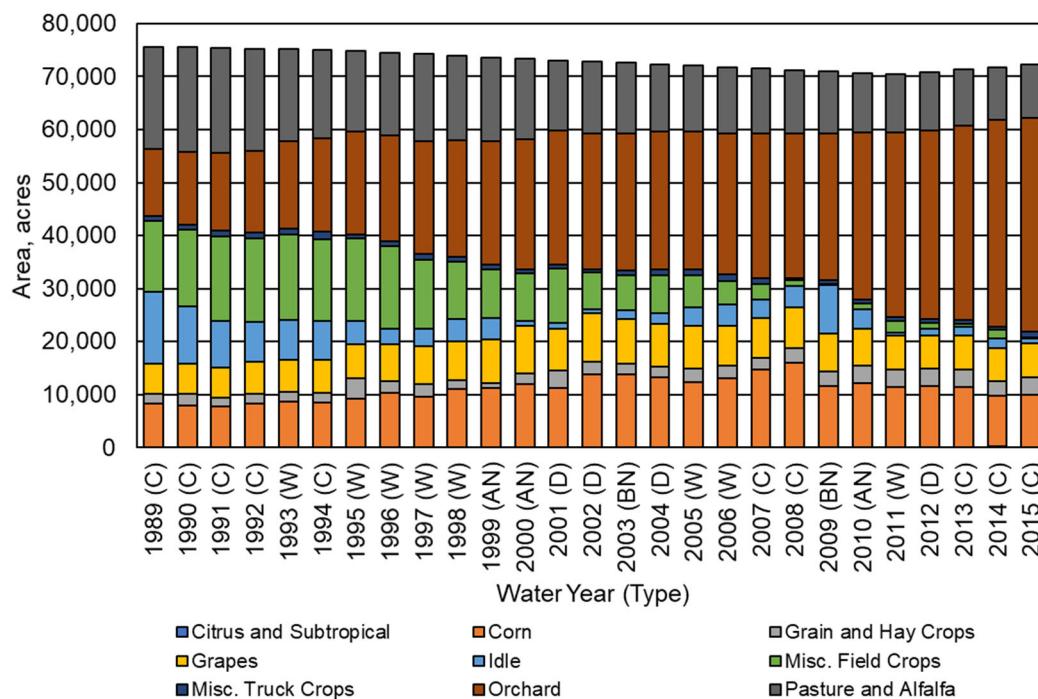


Figure A2.F.a-4. Chowchilla Water District GSA Agricultural Land Use Areas

Table A2.F.a-2. Chowchilla Water District GSA Agricultural Land Use Areas

Water Year (Type)	Citrus and Subtropical	Corn	Grain and Hay Crops	Grapes	Idle	Misc. Field Crops	Misc. Truck Crops	Orchard	Pasture and Alfalfa	Total
1989 (C)	29	8,340	1,718	5,773	13,578	13,369	807	12,801	19,243	75,658
1990 (C)	29	7,971	2,116	5,755	10,797	14,398	976	13,733	19,749	75,524
1991 (C)	31	7,695	1,645	5,781	8,643	16,127	1,015	14,699	19,763	75,400
1992 (C)	30	8,264	1,897	6,009	7,571	15,691	1,121	15,360	19,324	75,267
1993 (W)	29	8,638	1,842	6,071	7,451	16,102	1,243	16,438	17,335	75,148
1994 (C)	27	8,496	1,749	6,315	7,313	15,324	1,613	17,542	16,601	74,980
1995 (W)	25	9,184	3,836	6,393	4,515	15,565	664	19,472	15,114	74,769
1996 (W)	67	10,231	2,262	6,858	3,012	15,548	950	19,993	15,574	74,494
1997 (W)	73	9,451	2,343	7,259	3,278	12,968	1,132	21,222	16,493	74,218
1998 (W)	19	10,992	1,587	7,395	4,248	10,785	895	22,117	15,904	73,942
1999 (AN)	7	11,231	914	8,167	4,069	9,174	1,013	23,222	15,871	73,667
2000 (AN)	35	11,877	2,136	8,891	888	9,109	736	24,565	15,154	73,392
2001 (D)	14	11,167	3,319	7,945	1,140	10,177	716	25,301	13,336	73,116
2002 (D)	40	13,678	2,504	9,038	798	6,901	680	25,718	13,484	72,843
2003 (BN)	12	13,770	1,994	8,407	1,676	6,687	783	25,983	13,257	72,571
2004 (D)	10	13,199	2,083	8,082	1,961	7,226	1,068	25,931	12,739	72,299
2005 (W)	10	12,353	2,565	7,970	3,467	6,115	1,139	25,952	12,455	72,026
2006 (W)	9	12,980	2,502	7,417	4,072	4,403	1,289	26,674	12,409	71,754
2007 (C)	8	14,745	2,228	7,475	3,388	2,980	1,202	27,305	12,152	71,482
2008 (C)	6	16,021	2,763	7,608	4,158	941	367	27,484	11,861	71,210
2009 (BN)	5	11,664	2,583	7,172	9,200	276	622	27,792	11,624	70,938
2010 (AN)	4	12,130	3,345	6,862	3,648	1,210	646	31,537	11,283	70,665
2011 (W)	6	11,393	3,376	6,294	604	2,246	657	34,880	10,938	70,393
2012 (D)	34	11,596	3,237	6,263	1,188	1,267	674	35,520	11,052	70,832
2013 (C)	58	11,346	3,394	6,238	1,781	482	741	36,727	10,527	71,293
2014 (C)	172	9,520	2,849	6,213	1,864	1,546	648	38,973	9,967	71,752
2015 (C)	112	9,803	3,387	6,295	909	239	1,108	40,279	10,199	72,332
Average (1989-2014)	30	11,074	2,415	7,063	4,397	8,331	900	24,498	14,354	73,063

Additionally, runoff of precipitation from upgradient areas adjacent to the subregion represents a potential source of surface water inflow.

Local Supplies

Local supplies to CWD GSA include water received from Legrand Dam. Local supplies to SVMWC, which include pre-1914, riparian, and prescriptive water rights deliveries, also pass through CWD along Chowchilla River.

CVP Supplies

CVP supplies to CWD GSA include irrigation releases and flood releases from Buchanan Dam along the Chowchilla River and from Millerton Reservoir along Madera Canal. Both irrigation and flood releases from Millerton Reservoir are diverted to CWD at Madera Canal Miles 33.6 and 35.6. Irrigation releases are accounted as inflows to the water budget Canal System, while flood releases are accounted as inflows to the Rivers and Stream System.

Recycling and Reuse

Recycling and reuse are not a significant source of supply within CWD.

Other Surface Inflows

For the water budgets presented herein, precipitation runoff from outside the subregion is considered relatively minimal and is expected to pass through the waterways accounted above following relatively large storm events. Precipitation runoff from lands inside the subregion is internal to the surface water system and is thus not considered as surface inflows to the subregion boundary.

Summary of Surface Inflows

The surface water inflows described above are summarized by water source type in Figure A2.F.a-5 and Table A2.F.a-3. During the study period, total surface inflows vary by water year type, averaging 256 taf during wet years and 73 taf during critical years.

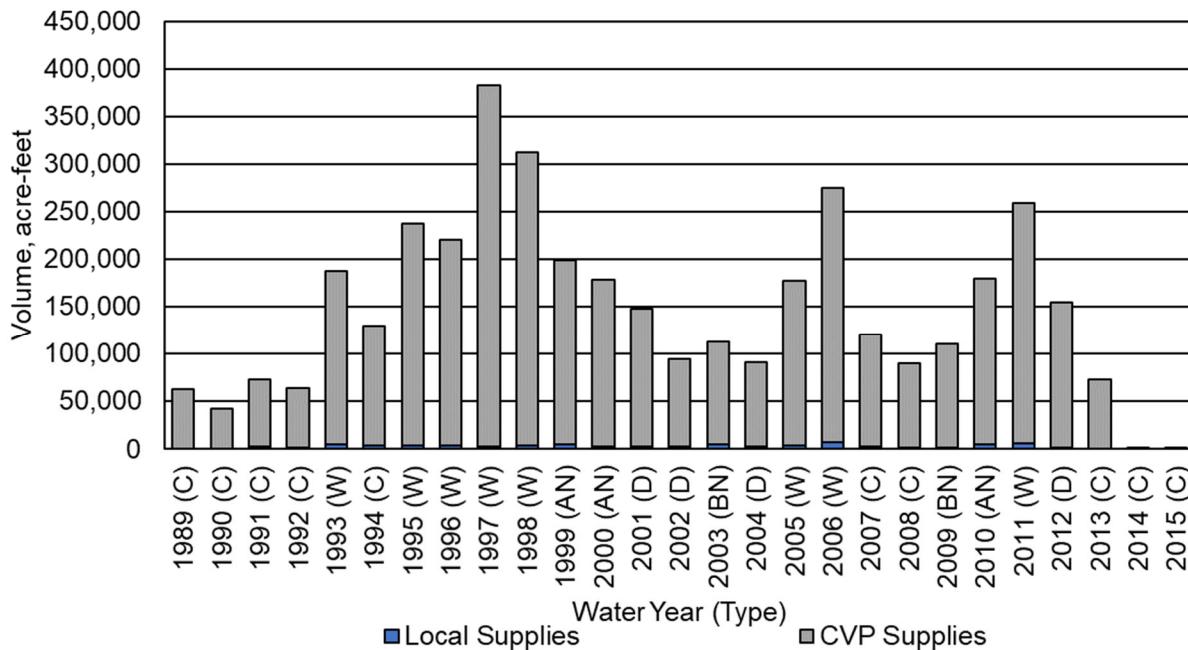


Figure A2.F.a-5. Chowchilla Water District GSA Surface Water Inflows by Water Source Type.

Table A2.F.a-3. Chowchilla Water District GSA Surface Water Inflows by Water Source Type (Acre-Feet).

Water Year (Type)	Local Supply	CVP Supply ¹	Total
1989 (C)	0	62,620	62,620
1990 (C)	0	42,270	42,270
1991 (C)	2,270	71,070	73,340
1992 (C)	1,650	62,570	64,220
1993 (W)	4,320	183,200	187,520
1994 (C)	3,550	126,060	129,610
1995 (W)	3,890	232,970	236,860
1996 (W)	3,680	217,160	220,840
1997 (W)	2,330	380,110	382,440
1998 (W)	3,360	309,450	312,810
1999 (AN)	4,850	194,270	199,120
2000 (AN)	2,600	176,300	178,890
2001 (D)	2,460	145,830	148,280
2002 (D)	2,760	91,120	93,880
2003 (BN)	5,030	107,190	112,220
2004 (D)	2,970	88,490	91,450
2005 (W)	3,570	173,440	177,010
2006 (W)	6,540	267,870	274,410
2007 (C)	2,070	118,440	120,510
2008 (C)	1,680	87,840	89,520
2011 (W)	0	256,000	256,000
2012 (D)	0	152,000	152,000
2013 (C)	0	72,000	72,000
2014 (C)	0	176,000	176,000
2015 (C)	0	68,000	68,000