

REFERENCES AND TECHNICAL STUDIES

§ 354.4. General Information

Each Plan shall include the following general information:

(b) A list of references and technical studies relied upon by the Agency in developing the Plan. Each Agency shall provide to the Department electronic copies of reports and other documents and materials cited as references that are not generally available to the public.

☑ 23 CCR § 354.4(b)

- AECOM. (2011, November 7). *Groundwater Management Plan for the Northern Agencies in the Delta-Mendota Canal Service Area*.
- Aliso Water District GSA. (2022, July). *Aliso Water District Amended Groundwater Sustainability Plan*. Prepared by Provost & Pritchard. <https://sgma.water.ca.gov/portal/gsp/preview/7>
- American Public Health Association, American Water Works Association, & Water Environment Federation. (2023). *Standard Methods for the Examination of Water and Wastewater* (W. Lipps, E. Braun-Howland, & T. Baxter, Eds.; 24th ed.). APHA Press. <https://www.standardmethods.org/24theditioncitation>
- Belitz, K., Dubrovsky, N. M., Burow, K., Jurgens, B. C., & John, T. (2003). *Framework for a ground-water quality monitoring and assessment program for California* (Report 2003–4166; Water-Resources Investigations Report). <https://doi.org/10.3133/wri034166>
- Belitz, K. R., & Heimes, F. J. (1990). *Character and evolution of the ground-water flow system in the central part of the western San Joaquin Valley, California* (Report 2348; Water Supply Paper). <https://doi.org/10.3133/wsp2348>
- Bertoldi, G. L., Johnston, R. H., & Evenson, K. D. (1991). *Ground water in the Central Valley, California; a summary report* (Report 1401A; Professional Paper). <https://doi.org/10.3133/pp1401A>
- Borchers, J., Kretsinger Grabert, V., Carpenter, M., Dalgish, B., & Cannon, D. (2014). *Land Subsidence from Groundwater Use in California*. Prepared by LSCE with support by California Water Foundation. https://cawaterlibrary.net/wp-content/uploads/2017/04/1397858208-SUBSIDENCEFULLREPORT_FINAL.pdf
- California Department of Transportation. (2021). *Caltrans Surveys Manual*. <https://dot.ca.gov/programs/right-of-way/surveys-manual-and-interim-guidelines>
- CCID. (1997, May). *Groundwater Conditions in and Near the Central California Irrigation District*. Prepared by Kenneth D. Schmidt & Associates. <https://sgma.water.ca.gov/portal/service/gspdocument/download/3449>
- CDMG. (1958). *Geologic map of California: Santa Cruz sheet* [Map]. California Division of Mines & Geology. https://ngmdb.usgs.gov/Prodesc/proddesc_335.htm
- CDMG. (1966). *Geologic map of California: San Jose sheet* [Map]. California Division of Mines & Geology. https://ngmdb.usgs.gov/Prodesc/proddesc_453.htm
- Chowchilla Subbasin. (2023, May). *Chowchilla Subbasin Groundwater Sustainability Plan Appendix 3.F. Subsidence Control Measures Agreement*. <https://www.maderacountywater.com/wp-content/uploads/2023/06/Appendix-3.F-Part-A.pdf>

- City of Dos Palos. (1991). *City of Dos Palos General Plan*. https://f5ca0191-561c-4909-b699-1919f897a4f9.filesusr.com/ugd/bd5ac3_c0eff784c95146619406a19055afb189.pdf
- City of Firebaugh. (2006). *2030 Firebaugh General Plan*. <https://firebaugh.org/2030-general-plan/>
- City of Gustine. (2002). *City of Gustine General Plan*.
<https://www.cityofgustine.com/files/documents/document1564064843051614.pdf>
- City of Los Banos. (2022). *City of Los Banos General Plan 2042*. https://losbanos2042.org/wp-content/uploads/2023/07/City-of-Los-Banos_General-Plan-2042_Adopted-October-2022.pdf
- City of Mendota. (2009). *City of Mendota General Plan*. <https://ci.mendota.ca.us/wp-content/uploads/2014/06/City-of-Mendota-General-Plan-Update.pdf>
- City of Modesto. (2008). *Final Urban Area General Plan*.
<https://www.modestogov.com/DocumentCenter/View/6625/Chapter-I-Introduction-to-the-Modesto-Urban-Area-General-Plan>
- City of Newman. (2007). *City of Newman General Plan*.
<https://cityofnewman.com/~documents/community-development-department/general-plan-final-version/?layout=default>
- City of Patterson. (2010). *City of Patterson General Plan*.
<https://www.ci.patterson.ca.us/DocumentCenter/View/157/Introduction-PDF?bidId=>
- Community Water Center. (2015). *Collaborating for Success: Stakeholder Engagement for Sustainable Groundwater Management Act Implementation*.
https://static1.squarespace.com/static/5e83c5f78f0db40cb837cfb5/t/5f3ca8c136dbe60157dd5664/1597810892937/SGMA_Stakeholder_Engagement_White_Paper.pdf
- County of Fresno GSA. (2022, July). *Revised Groundwater Sustainability Plan County of Fresno GSA Management Area A & Management Area B Delta-Mendota Subbasin*. Prepared by Luhdorff & Scalmanini. <https://sgma.water.ca.gov/portal/gsp/preview/20>
- Croft, M. G. (1972). *Subsurface geology of the late Tertiary and Quaternary water-bearing deposits of the southern part of the San Joaquin Valley, California* (Report 1999H; Water Supply Paper).
<https://doi.org/10.3133/wsp1999H>
- CVRWQCB. (2018, April 6). *Cleanup and Abatement Order R5-2018-0033 For Southern Minnesota Beet Sugar Cooperative, Spreckels Sugar Company, Inc., and Meyers Farming LLC, Former Spreckels Mendota Facility*.
- CVRWQCB. (2019). *The Water Quality Control Plan (Basin Plan) for the California Regional Water Quality Control Board Central Valley Region* (5th ed.).
https://www.waterboards.ca.gov/centralvalley/water_issues/basin_plans/sacsjr_201902.pdf
- CVRWQCB. (2020). *Resolution R5-2020-0057: Revisions to the Amendments to the Water Quality Control Plans for the Sacramento River and San Joaquin River Basins and the Tulare Lake Basin to Incorporate a Central Valley-Wide Salt and Nitrate Control Program*.
https://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/resolutions/r5-2020-0057_res.pdf
- CVRWQCB. (2024a). *Memo Regarding Supplemental Site Assessment Report, Former Spreckels Sugar Mendota Facility, 29400 Whitesbridge Avenue, Mendota, Fresno County*.
https://documents.geotracker.waterboards.ca.gov/regulators/deliverable_documents/9490613639/PBD_Spreckels%20Mendota_Suppl%20Site%20Assess%20Rpt_MEMO_final_02-29-24.pdf

- CVRWQCB. (2024b, March 4). *Cover Letter Regarding Supplemental Site Assessment Report, Former Spreckels Sugar Mendota Facility, 29400 Whitesbridge Avenue, Mendota, Fresno County (GeoTracker Global ID SLT5FR684627)*.
https://documents.geotracker.waterboards.ca.gov/regulators/deliverable_documents/9490613639/PBD_Spreckels%20Mendota_Suppl%20Site%20Assess%20Cover%20Letter_final_02-29-24.pdf
- CV-SALTS. (2016). *Final SNMP for Central Valley Water Board Consideration—Attachment D-4: Methodology to Initially Prioritize Groundwater Basins/Subbasins Based on Water Quality*.
<https://www.cvsalinity.org/resources/basin-planning/>
- CV-SALTS. (2017). *Central Valley Region Salt and Nitrate Management Plan*.
<https://www.cvsalinity.org/resources/basin-planning/>
- CV-SALTS. (2023a). *Nitrate Control Program Overview*. CVSalinity. <https://www.cvsalinity.org/nitrate-program/>
- CV-SALTS. (2023b, November 14). *Nitrate Control Program brochure*. <https://www.cvsalinity.org/wp-content/uploads/2023/12/Nitrate-Control-Program-Brochure-final-11-14-23.pdf>
- CV-SALTS. (2024). *Prioritization and Optimization Study*. CV SALTS. <https://www.cvsalinity.org/salt-program/prioritization-and-optimization-study/>
- Davis, G. H., Green, J. H., Olmsted, F. H., & Brown, D. W. (1959). Ground-water conditions and storage capacity in the San Joaquin Valley, California. In *Water Supply Paper (1469)*. U.S. Govt. Print. Off.,.
<https://doi.org/10.3133/wsp1469>
- Davis, G. H., & Poland, J. F. (1957). *Ground-water conditions in the Mendota-Huron area, Fresno and Kings Counties, California (Report 1360G; Water Supply Paper)*.
<https://doi.org/10.3133/wsp1360G>
- Delta-Mendota GSAs. (2020, March). *Consolidated WY2019 Annual Report for the Delta-Mendota Subbasin*. Prepared by Woodard & Curran and Provost & Pritchard.
<https://sgma.water.ca.gov/portal/gspar/preview/8>
- Delta-Mendota GSAs. (2021, March). *Consolidated WY2020 Annual Report for the Delta-Mendota Subbasin*. Prepared by Woodard & Curran and Provost & Pritchard.
<https://sgma.water.ca.gov/portal/gspar/preview/59>
- Delta-Mendota GSAs. (2022a). Appendix B - Common Chapter. In *Amended Groundwater Sustainability Plans for the Delta-Mendota Subbasin*. Prepared by Woodard & Curran.
- Delta-Mendota GSAs. (2022b, March). *Consolidated WY2021 Annual Report for the Delta-Mendota Subbasin*. Prepared by Woodard & Curran and Provost & Pritchard.
<https://sgma.water.ca.gov/portal/gspar/preview/204>
- Delta-Mendota GSAs. (2023, March). *Consolidated WY2022 Annual Report for the Delta-Mendota Subbasin*. Prepared by Woodard & Curran and Provost & Pritchard.
<https://sgma.water.ca.gov/portal/gspar/preview/204>
- Delta-Mendota GSAs. (2024, March 29). *Consolidated WY2023 Annual Report for the Delta-Mendota Subbasin*. Prepared by Woodard & Curran and Provost & Pritchard.
<https://sgma.water.ca.gov/portal/gspar/preview/331>
- Deverel, S. J., & Fujii, R. (1987). *Processes affecting the distribution of selenium in shallow ground water of agricultural areas, western San Joaquin Valley, California (Report 87–220; Open-File Report)*.
<https://doi.org/10.3133/ofr87220>

- Deverel, S., & Millard, S. (1988). Distribution and Mobility of Selenium and Other Trace Elements in Shallow Groundwater of the Western San Joaquin Valley, California. *Environmental Science & Technology*, 22(6), 697–702.
- Dubrovsky, N., Neil, J., Welker, M., & Evenson, K. (1991). *Geochemical Relations and Distribution of Selected Trace Elements in Ground Water of the Northern Part of the Western San Joaquin Valley, California* (Water Supply Paper 2380; Regional Aquifer System Analysis). USGS. <https://doi.org/10.3133/wsp2380>
- Ducks Unlimited. (n.d.). *Ducks Unlimited Open Data Portal*. <https://gis.ducks.org/>
- DWR. (n.d.). *Critically Overdrafted Basins*. Retrieved March 5, 2024, from <https://water.ca.gov/Programs/Groundwater-Management/Bulletin-118/Critically-Overdrafted-Basins>
- DWR. (1965). *San Joaquin Valley drainage investigation—San Joaquin master drain* (Bulletin No. 127). <https://ia801708.us.archive.org/10/items/sanjoaquinvalley00cali/sanjoaquinvalley00cali.pdf>
- DWR. (2006). *California's Groundwater Bulletin 118: San Joaquin Valley Groundwater Basin, Delta-Mendota Subbasin*. https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Groundwater-Management/Bulletin-118/Files/2003-Basin-Descriptions/5_022_07_Delta-MendotaSubbasin.pdf
- DWR. (2010, December 31). *Lines of Equal Elevation of Water in Wells, Unconfined Aquifer, San Joaquin Valley, Spring 2010*.
- DWR. (2016a). *Best Management Practices for the Sustainable Management of Groundwater: Groundwater Monitoring Protocols, Standards, and Sites*.
- DWR. (2016b). *Best Management Practices for the Sustainable Management of Groundwater: Monitoring Networks and Identification of Data Gaps*.
- DWR. (2016c). *Best Management Practices for the Sustainable Management of Groundwater: Water Budget*.
- DWR. (2016d). *Bulletin 118 – Interim Update 2016, California's Groundwater, Working Towards Sustainability*. <https://water.ca.gov/Programs/Groundwater-Management/Bulletin-118>
- DWR. (2017a). *Best Management Practices for the Sustainable Management of Groundwater, Sustainable Management Criteria*. https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Groundwater-Management/Sustainable-Groundwater-Management/Best-Management-Practices-and-Guidance-Documents/Files/BMP-6-Sustainable-Management-Criteria-DRAFT_ay_19.pdf
- DWR. (2017b). *California Aqueduct Subsidence Study*. https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Engineering-And-Construction/Files/Subsidence/Aqueduct_Subsidence_Study-Accessibility_Compatibility.pdf
- DWR. (2018a). *Appendix B: Evaluation of the Effect of Subsidence on Flow Capacity in the Chowchilla and Eastside Bypasses, and Reach 4A of the San Joaquin River: May 2018*.
- DWR. (2018b). *Groundwater Glossary*. <https://water.ca.gov/Water-Basics/Glossary>
- DWR. (2018c, July). *DWR-Provided Climate Change Data and Guidance for Use During Groundwater Sustainability Plan Development*. https://data.cnra.ca.gov/dataset/31c7799f-9ec8-42a0-9416-0d2318a8dec4/resource/833a3998-809d-4585-b9e1-462704631934/download/resource-guide-climate-change-guidance_v8.pdf

- DWR. (2019). *Estimated Subsidence in the San Joaquin Valley between 1949 – 2005* [MapServer]. https://gis.water.ca.gov/arcgis/rest/services/Elevation/Vertical_Displacement_SJV_DWR_1949_to_2005/MapServer
- DWR. (2020a, February). *Handbook for Water Budget Development With or Without Models*. <https://data.cnra.ca.gov/dataset/water-budget-handbook/resource/bda1606e-34f4-44e6-8da4-8c8a615543ef>
- DWR. (2020b, May). *Sustainable Groundwater Management Act 2019 Basin Prioritization*. https://data.cnra.ca.gov/dataset/13ebd2d3-4e62-4fee-9342-d7c3ef3e0079/resource/ffafd27b-5e7e-4db3-b846-e7b3cb5c614c/download/sgma_bp_process_document.pdf
- DWR. (2022). *116 Census Tract Economically Distressed Areas 2018* [Shapefile].
- DWR. (2023a). *A Guide to Annual Reports, Periodic Evaluations, & Plan Amendments*. <https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Groundwater-Management/Sustainable-Groundwater-Management/Best-Management-Practices-and-Guidance-Documents/Files/GSP-Implementation-Guidance-Report.pdf>
- DWR. (2023b). *Considerations for Identifying and Addressing Drinking Water Well Impacts*. https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Groundwater-Management/Files/Considerations-for-Identifying-and-Addressing-Drinking-Water-Well-Impacts_FINAL.pdf
- DWR. (2023c). *DACs—Census* [Geospatial]. California Natural Resources Agency Open Data. <https://data.cnra.ca.gov/dataset/dacs-census>
- DWR. (2023d). *Groundwater level data* [Dataset]. <https://sgma.water.ca.gov/webgis/?appid=SGMADataViewer#gwlevels>
- DWR. (2023e). *107 WellCompletionReports* [Shapefile]. <https://gis.data.cnra.ca.gov/maps/DWR::i07-wellcompletionreports>
- DWR. (2023f). *PROVISIONAL - 2021 Statewide Crop Mapping GIS Shapefile* [ZIP]. <https://data.cnra.ca.gov/dataset/statewide-crop-mapping/resource/eebd40ab-35a3-4e62-a625-0275b2849531>
- DWR. (2023g). *TRE ALTAMIRA InSAR Dataset* [Raster]. <https://sgma.water.ca.gov/webgis/config/custom/html/SGMADataViewer/doc/#tre-altamira-insar-dataset>
- DWR. (2023h). *Well Completion Report Map Application* [Map]. <https://dwr.maps.arcgis.com/apps/webappviewer/index.html?id=181078580a214c0986e2da28f8623b37>
- DWR. (2024a). *Historic Survey Elevations in San Luis Field Division, in meters* [Dataset]. California Natural Resources Agency Open Data. <https://data.cnra.ca.gov/dataset/california-aqueduct-subsidence-study/resource/7acfb38e-1b90-4432-a16b-b83a0022346b>
- DWR. (2024b, February). *Depletions of Interconnected Surface Water, An Introduction*. https://og-production-open-data-cnra-892364687672.s3.amazonaws.com/resources/218e3361-c142-400f-a97f-5dfa79cd4997/depletionsofism_paper1_intro_draft.pdf?Content-Type=application%2Fpdf&X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAJJIENTAPKHZMIPXQ%2F20240321%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20240321T203901Z&X-Amz-Expires=3600&X-Amz-SignedHeaders=host&X-Amz-Signature=20cc4c2516e1efde0eb9a6e2a6ca032afabf60d71369c15ebddd59fc0ff5e37f

- DWR, CDFW, & TNC. (2023). *Natural Communities Commonly Associated with Groundwater* [Dataset]. <https://gis.water.ca.gov/app/NCDatasetViewer/#>
- DWR & NASA JPL. (2021). *NASA JPL InSAR Subsidence Data (Superseded)—California Natural Resources Agency Open Data* [Dataset]. <https://data.cnra.ca.gov/dataset/nasa-jpl-insar-subsidence>
- DWR (with University of California Libraries). (1981). *Water well standards, state of California*. Sacramento : The Department. <http://archive.org/details/waterwellstandar7481calirich>
- DWR (with University of California Libraries). (1991). *California well standards: Water wells, monitoring wells, cathodic protection wells*. Sacramento, CA (P.o. Box 942836, Sacramento 94236-0001) : California Dept. of Water Resources. <http://archive.org/details/protectwellst7490calirich>
- EarthScope Consortium. (2023). *UNAVCO NOTA GPS dataset* [Dataset]. <https://www.unavco.org/instrumentation/networks/map/map.html#!/>
- Farmers Water District. (2022, July). *Farmers Water District Revised Groundwater Sustainability Plan Delta-Mendota Subbasin*. Prepared by Luhdorff & Scalmanini. <https://sgma.water.ca.gov/portal/gsp/preview/14>
- Farrar, C. D., & Bertoldi, G. L. (1988). Region 4, Central Valley and Pacific Coast Ranges. In W. Back, J. S. Rosenshein, & P. R. Seaber (Eds.), *Hydrogeology: Vol. O-2* (p. 0). Geological Society of America. <https://doi.org/10.1130/DNAG-GNA-O2.59>
- Faunt, C. (2009). *Groundwater Availability of the Central Valley Aquifer, California* (Professional Paper 1766). USGS. https://pubs.usgs.gov/pp/1766/PP_1766.pdf
- Faunt, C. (2012a). *Contours of Corcoran Clay Depth in feet from Page (1986) for the Central Valley Hydrologic Model (CVHM)* [Dataset]. USGS California Water Science Center. <https://doi.org/10.5066/P99CZ9W4>
- Faunt, C. (2012b). *Contours of Corcoran Clay Thickness in feet by Page (1986) for the Central Valley Hydrologic Model (CVHM)* [Dataset]. USGS California Water Science Center. <https://doi.org/10.5066/P9O6FJ24>
- Fio, J. L. (1994). Calculation of a water budget and delineation of contributing sources to drainflows in the western San Joaquin Valley, California. In *Open-File Report (94-45)*. U.S. Geological Survey. <https://doi.org/10.3133/ofr9445>
- Flint, L. E., Flint, A. L., & Stern, M. A. (2021, January 19). *The Basin Characterization Model—A monthly regional water balance software package (BCMv8) data release and model archive for hydrologic California (ver. 3.0, June 2023)*. <https://www.sciencebase.gov/catalog/item/5f29c62d82cef313ed9edb39>
- Foss, C. D., & Blaisdell, R. (1968). Stratigraphy of the West Side Southern San Joaquin Valley. *AAPG*, 33–43.
- Fram, M. (2017). *Groundwater Quality in the Western San Joaquin Valley Study Unit, 2010: California GAMA Priority Basin Project* (Scientific Investigations Report 2017-5032; Groundwater Ambient Monitoring and Assessment). USGS. <https://pubs.usgs.gov/publication/sir20175032>
- Fresno Council of Governments. (2023). *Fresno Multi-Jurisdictional 2023-2031 Housing Element*. <https://firebaugh.org/wp-content/uploads/2023/09/9.20.23-Firebaugh-HE-public-draft.pdf>
- Fresno County. (2000). *Fresno County General Plan*. <https://www.fresnocountyca.gov/files/sharedassets/county/v/1/vision-files/files/18117-2000-general-plan-policy-document.pdf>

- Fresno County. (2022). *General Plan 2021 Progress Report*.
<https://www.fresnocountyca.gov/files/sharedassets/county/v/1/vision-files/files/63480-2021-general-plan-progress-report.pdf>
- Galloway, D., Jones, D. R., & Ingebritsen, S. (1999). Land Subsidence in the United States. *U.S. Geological Survey Circular, USGS Circ. 1182*.
<https://water.usgs.gov/ogw/pubs/fs00165/SubsidenceFS.v7.PDF>
- Galloway, D., & Riley, F. S. (1999). *San Joaquin Valley, California: Largest human alteration of the Earth's surface*. USGS.
- Grassland Basin Authority. (n.d.). *About Grassland Basin Authority*. Grassland Basin Authority. Retrieved October 26, 2023, from <https://www.gbauthority.com/about-grassland-basin-authority>
- Grassland GSA and Merced County. (2022, July). *Grassland Groundwater Sustainability Agency Revised Groundwater Sustainability Plan*. Prepared by Provost & Pritchard.
<https://sgma.water.ca.gov/portal/gsp/preview/38>
- Grassland Water District. (2018). *Hydrogeologic Conceptual Model and Groundwater Conditions for the Grassland Water District Expanded GSP*. Prepared by Kenneth D. Schmidt & Associates.
- GreenInfo Network. (2023a). *California Conservation Easement Database* [Dataset].
<https://www.calands.org/cced/>
- GreenInfo Network. (2023b). *California Protected Areas Database* [Dataset].
<https://www.calands.org/cpad/>
- GSI Environmental Inc. (2022, June 1). *Conceptual Master Plan for Subsidence Monitoring and Management for the Delta-Mendota Subbasin*. Prepared for SLDMWA.
- Haugen, E. A., Jurgens, B. C., Arroyo-Lopez, J. A., & Bennett, G. L. (2021). Groundwater development leads to decreasing arsenic concentrations in the San Joaquin Valley, California. *Science of The Total Environment, 771*, 145223. <https://doi.org/10.1016/j.scitotenv.2021.145223>
- Hausladen, D. M., Alexander-Ozinskas, A., McClain, C., & Fendorf, S. (2018). Hexavalent Chromium Sources and Distribution in California Groundwater. *Environmental Science & Technology, 52*(15), 8242–8251. <https://doi.org/10.1021/acs.est.7b06627>
- Hotchkiss, W. R., & Balding, G. O. (1971). *Geology, hydrology, and water quality of the Tracy-Dos Palos area, San Joaquin Valley, California* (Report 72–169; Open-File Report).
<https://doi.org/10.3133/ofr72169>
- Ireland, R. L. (1986). *Land subsidence in the San Joaquin Valley, California, as of 1983* (Report 85–4196; Water-Resources Investigations Report). <https://doi.org/10.3133/wri854196>
- Ireland, R. L., Poland, J. F., & Riley, F. S. (1984). *Land subsidence in the San Joaquin Valley, California, as of 1980* (Report 437; Professional Paper). <https://doi.org/10.3133/pp4371>
- Levy, Z. F., Jurgens, B. C., Faulkner, K. E., Harkness, J. S., & Fram, M. S. (2024). Basin-scale responses of groundwater-resource quality to drought and recovery, San Joaquin Valley, California. *Hydrological Processes, 38*(4), e15131. <https://doi.org/10.1002/hyp.15131>
- LSCE, Davids Engineering, & Larry Walker Associates. (2015). *Western San Joaquin River Watershed Groundwater Quality Assessment Report*.
- Luhdorff & Scalmanini Consulting Engineers. (1993). *Results of Aquifer Tests near Mendota Pool*. LSCE.
- Luhdorff & Scalmanini Consulting Engineers. (2016, July 31). *Grassland Drainage Area Groundwater Quality Assessment Report*. LSCE.

- Luhdorff & Scalmanini Consulting Engineers, Davids Engineering, & Larry Walker Associates. (2015, March 31). *Western San Joaquin River Watershed Groundwater Quality Assessment Report*. LSCE. Madera County. (1995, October 24). *Madera County General Plan*.
<https://www.maderacounty.com/home/showpublisheddocument/2850/636480653563500000>
- Mendenhall, W. C., Dole, R. B., & Stabler, H. (1916). *Ground water in San Joaquin Valley, California* (Report 398; Water Supply Paper). <https://doi.org/10.3133/wsp398>
- Mendota Pool Group. (2023, February 7). *Response to Barr Engineering, Supplemental Site Assessment Report, Former Spreckels Sugar Company Facility, November 2022*. Prepared by Luhdorff and Scalmanini Consulting Engineers.
[https://documents.geotracker.waterboards.ca.gov/regulators/deliverable_documents/6148847281/MPG%20Comment%20Letter%20on%20Barr%20Engineering%20Site%20Assessment%20Report%2002%2007%202023%20\(002\).pdf](https://documents.geotracker.waterboards.ca.gov/regulators/deliverable_documents/6148847281/MPG%20Comment%20Letter%20on%20Barr%20Engineering%20Site%20Assessment%20Report%2002%2007%202023%20(002).pdf)
- Merced County. (2000). *Santa Nella Community Specific Plan*.
<https://web2.co.merced.ca.us/pdfs/planning/cplan/completed/santanella/Santa%20Nella%20CSP%2005052000.pdf>
- Merced County. (2013). *2030 Merced County General Plan*.
<https://www.countyofmerced.com/DocumentCenter/View/6766/2030-Merced-County-General-Plan?bidId=>
- Mills, C. T., Morrison, J. M., Goldhaber, M. B., & Ellefsen, K. J. (2011). Chromium(VI) generation in vadose zone soils and alluvial sediments of the southwestern Sacramento Valley, California: A potential source of geogenic Cr(VI) to groundwater. *Applied Geochemistry*, 26(8), 1488–1501.
<https://doi.org/10.1016/j.apgeochem.2011.05.023>
- Morrison, J. M., Goldhaber, M. B., Lee, L., Holloway, J. M., Wanty, R. B., Wolf, R. E., & Ranville, J. F. (2009). A regional-scale study of chromium and nickel in soils of northern California, USA. *Applied Geochemistry*, 24(8), 1500–1511. <https://doi.org/10.1016/j.apgeochem.2009.04.027>
- NASA JPL. (2020). *Progress Report: Subsidence in California, March 2015 – September 2016*.
https://data.cnra.ca.gov/dataset/nasa-jpl-insar-subsidence/resource/5a030395-3919-4e3a-b7be-fc272ea544fb?inner_span=True
- Northern and Central Delta-Mendota GSAs. (2022, July). *Northern and Central Delta-Mendota Regions Revised Groundwater Sustainability Plan*. Prepared by Woodard & Curran and Provost & Pritchard. <https://sgma.water.ca.gov/portal/gsp/preview/13>
- Page, R. W. (1986). Geology of the fresh ground-water basin of the Central Valley, California, with texture maps and sections. *Professional Paper*, Article 1401–C. <https://doi.org/10.3133/pp1401C>
- Panoche Water District. (2001). *CALFED Ecosystem Restoration Program – Project Proposal for San Joaquin River Water Quality Improvement Project Phase II Implementation*.
- Phillips, S. P., Beard, S., & Gilliom, R. J. (1991). *Quantity and quality of ground-water inflow to the San Joaquin River, California* (Report 91–4019; Water-Resources Investigations Report).
<https://doi.org/10.3133/wri914019>
- Poland, J. F., Lofgren, B. E., Ireland, R. L., & Pugh, R. G. (1975). *Land subsidence in the San Joaquin Valley, California, as of 1972* (Report 437H; Professional Paper). <https://doi.org/10.3133/pp437H>
- Provost & Pritchard. (2022). *Well Census and Inventory for the Northern and Central Regions of the Delta-Mendota Subbasin*. San Luis & Delta-Mendota Water Authority.

- Rantz, S. E. (1982a). *Measurement and Computation of Streamflow: Volume 1, Measurement of Stage and Discharge* (2175; Water Supply Paper). https://doi.org/10.3133/wsp2175_vol1
- Rantz, S. E. (1982b). *Measurement and Computation of Streamflow: Volume 2. Computation of Discharge* (2175; Water Supply Paper). <https://doi.org/10.3133/wsp2175>
- San Benito County. (2015). *San Benito County 2035 General Plan*. <https://www.cosb.us/home/showpublisheddocument/5859/637347294134470000>
- San Joaquin County. (2016). *San Joaquin County General Plan*. <https://www.sjgov.org/commdev/cgi-bin/cdyn.exe/file/Planning/General%20Plan%202035/GENERAL%20PLAN%202035.pdf>
- San Joaquin Valley Drainage Authority. (2016, June). *Central Valley Salinity Alternatives for Long Term Sustainability: Region 5: Updated Groundwater Quality Analysis and High Resolution Mapping for Central Valley Salt and Nitrate Management Plan*. Prepared by Luhdorff and Scalmanini Consulting Engineers & Larry Walker Associates, Inc. <https://www.cvsalinity.org/resources/technical-studies/>
- San Joaquin Valley Drainage Program. (1988, March). *Agricultural Land Use and Wildlife in the San Joaquin Valley, 1769-1930: An Overview*. Prepared by Gerald Ogden, SOLO Heritage Research.
- Self-Help Enterprises, Leadership Counsel for Justice and Accountability, & Community Water Center. (2022). *Framework for a Drinking Water Well Impact Mitigation Program*. <https://www.selfhelpenterprises.org/wp-content/uploads/2022/07/Well-Mitigation-English.pdf>
- SJREC. (1997, May). *Groundwater Flows in the San Joaquin River Exchange Contractors Service Area*. Prepared by Kenneth D. Schmidt & Associates. <https://sgma.water.ca.gov/portal/service/gspdocument/download/3450>
- SJREC GSA. (2022, June). *Groundwater Sustainability Plan for the San Joaquin River Exchange Contractors GSP Group in the Delta-Mendota Subbasin (5-022.07)*. <https://sgma.water.ca.gov/portal/gsp/preview/15>
- SJRRP. (2009). *Water Year 2010 Interim Flows Project Environmental Assessment/ Initial Study*. USBR. https://www.usbr.gov/mp/nepa/nepa_project_details.php?Project_ID=3612
- SJRRP. (2012, September 28). *San Joaquin River Restoration Program Programmatic EIS/EIR*. https://www.usbr.gov/mp/nepa/nepa_project_details.php?Project_ID=2940
- SJRRP. (2014, September). *Seepage Management Plan*. https://www.restoresjr.net/wp-content/uploads/2018/02/SMP_Draft_September_2014.pdf
- SJRRP. (2023). *December 2023 Subsidence Survey Result Table* [Tabular]. <https://www.restoresjr.net/science/subsidence-monitoring/>
- SJRRP & USBR. (2023). *Central Valley Subsidence Elevation Change From July 2012 to July 2023* [Layer Package]. <https://www.restoresjr.net/science/subsidence-monitoring/>
- SLDMWA. (2015, September). *Groundwater Overdraft in the Delta-Mendota Subbasin*. Prepared by Kenneth D. Schmidt & Associates. <https://sgma.water.ca.gov/portal/service/gspdocument/download/724>
- SLDMWA. (2019, August). *Grassland Bypass Project Long-Term Storm Water Management Plan 2020–2045. Addendum to Final Environmental Impact Statement and Environmental Impact Report for the Grassland Bypass Project, 2010-2019 (Draft)*. Prepared by Summers Engineering, Inc. <https://www.sldmwa.org/grasslandbypass/LTSWMP%20Addendum%20080519.pdf>
- Smith, R., Knight, R., & Fendorf, S. (2018). Overpumping leads to California groundwater arsenic threat. *Nature Communications*, 9(1), 2089. <https://doi.org/10.1038/s41467-018-04475-3>

- Sneed, M., & Brandt, J. T. (2015). Land subsidence in the San Joaquin Valley, California, USA, 2007–2014. *Proceedings of IAHS*, 372, 23–27. Prevention and mitigation of natural and anthropogenic hazards due to land subsidence - Ninth International Symposium on Land Subsidence (NISOLS), Nagoya, Japan, 15–19 November 2015. <https://doi.org/10.5194/piahs-372-23-2015>
- Sneed, M., Brandt, J. T., & Solt, M. (2013). *Land subsidence along the Delta-Mendota Canal in the northern part of the San Joaquin Valley, California, 2003-10* (Report 2013–5142; Scientific Investigations Report, p. 100). <https://doi.org/10.3133/sir20135142>
- Spreckels Sugar Company. (2022, November). *Supplemental Site Assessment Report: Former Spreckels Sugar Company Facility Mendota, California*. Prepared by Barr Engineering Co. https://documents.geotracker.waterboards.ca.gov/esi/uploads/geo_report/5860720634/SLT5FR684627.PDF
- Spreckels Sugar Company, Inc. (2021, June 3). *Steffen's Ponds Closure and Construction Quality Assurance Report – Phase 1: Former Spreckels Mendota Facility*. Prepared by Barr Engineering Co. https://documents.geotracker.waterboards.ca.gov/regulators/deliverable_documents/8732694327/Steffens%20Closure%20Documentation%20Report_20210603.pdf
- Stanislaus County. (2016). *Stanislaus County General Plan*. <https://www.stancounty.com/planning/pl/gp/current/gp-introduction.pdf>
- Swanson, A. A. (1998). Land subsidence in the San Joaquin Valley, updated to 1995. *Engineering Geology*, 54(3–4), 329–331. [https://doi.org/10.1016/S0013-7952\(99\)00095-2](https://doi.org/10.1016/S0013-7952(99)00095-2)
- SWRCB. (1977). *San Joaquin Valley Interagency Drainage Program*.
- SWRCB. (1988). *State Water Resources Control Board Resolution No 88-63 Adoption of Policy Entitled "Sources of Drinking Water."* https://www.waterboards.ca.gov/board_decisions/adopted_orders/resolutions/1988/rs1988_0063.pdf
- SWRCB. (2011, April 28). *CV-SALTS Lower San Joaquin River Committee, April 28, 2011 Meeting Materials, Agenda Item 4 – Problem Statement*.
- SWRCB. (2014). *GeoTracker: CROP PRODUCTION SERVICES (CPS) OXALIS (SL205324280)* [Dataset]. GeoTracker. https://geotracker.waterboards.ca.gov/profile_report?global_id=SL205324280&mytab=esidata#esidata
- SWRCB. (2017a, November). *Groundwater Information Sheet: 1,2,3-Trichloropropane (TCP)*. https://www.waterboards.ca.gov/gama/docs/coc_tcp123.pdf
- SWRCB. (2017b, November). *Groundwater Information Sheet: Boron*. https://www.waterboards.ca.gov/gama/docs/coc_boron.pdf
- SWRCB. (2017c, November). *Groundwater Information Sheet: Nitrate*. https://www.waterboards.ca.gov/gama/docs/coc_nitrate.pdf
- SWRCB. (2017d, November). *Groundwater Information Sheet: Radionuclides*. https://www.waterboards.ca.gov/gama/docs/coc_radionuclides.pdf
- SWRCB. (2017e, November). *Groundwater Information Sheet: Salinity*. https://www.waterboards.ca.gov/gama/docs/coc_salinity.pdf
- SWRCB. (2022, November 22). *Groundwater Quality Considerations for High and Medium Priority Groundwater Basins* [SWRCB memo to DWR]. <https://water.ca.gov/-/media/DWR-Website/Web->

- Pages/Programs/Groundwater-Management/DrinkingWater/Files/20221122_Groundwater-Quality-Comments-to-DWR.pdf
- SWRCB. (2023a). *California Public Water Supply Systems—SDWIS* [Dataset].
<https://sdwis.waterboards.ca.gov/PDWW/>
- SWRCB. (2023b). *GeoTracker* [Dataset]. <https://geotracker.waterboards.ca.gov/map/>
- SWRCB. (2023c). *Monitoring Results for Individual Sampling Points By Analyte from 2011 to Present: Water System No. CA5010017* [Dataset]. CA Drinking Water Watch.
https://sdwis.waterboards.ca.gov/PDWW/JSP/NMonitoringResultsByAnalyte.jsp?tinwsys_is_number=5563&tinwsys_st_code=CA&begin_date=&end_date=
- SWRCB. (2023d). *SGMA Groundwater Quality Visualization Tool | California State Water Resources Control Board* [Dataset]. <https://www.waterboards.ca.gov/sgma/water-quality-visualization-tool.html>
- SWRCB. (2023e). *Tulare Lake Subbasin Probationary Hearing Draft Staff Report*.
https://www.waterboards.ca.gov/water_issues/programs/sgma/docs/groundwater_basins/2023-10-tulare-lake-pbh-draft-staff-report.pdf
- SWRCB. (2024a, March). *Tulare Lake Subbasin Probationary Hearing Final Staff Report*. SWRCB.
- SWRCB. (2024b, April 17). *Resolution 2024-0015: Adopting a Maximum Contaminant Level for Hexavalent Chromium and Certifying Final Environmental Impact Report*.
https://www.waterboards.ca.gov/board_decisions/adopted_orders/resolutions/2024/rs2024-0015.pdf
- SWRCB & USGS. (2023). *GAMA Groundwater Information System* [Dataset].
<https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/>
- TNC. (2024). *Groundwater Dependent Ecosystems Pulse Interactive Map* [Map].
<https://gde.codefornature.org/#/map>
- Traum, J. A., & Faunt, C. C. (2022, October 3). *Central Valley Hydrologic Model Version 2 (CVHM2): Groundwater Pumping*. <https://www.sciencebase.gov/catalog/item/61fc82dad34e622189cc02a5>
- Traum, J. A., Faunt, C. C., & Boyce, S. E. (2024, April 22). *MODFLOW-OWHM Used to Characterize the Groundwater Flow System of the Central Valley, California*. U.S. Geological Survey.
<https://www.sciencebase.gov/catalog/item/65bd367fd34e18c6baf32758>
- US Dept. of the Interior & CNRA. (1990). *San Joaquin Valley Drainage Program: Draft final report*.
<https://ia800908.us.archive.org/34/items/sanjoaquinvalley01sacr/sanjoaquinvalley01sacr.pdf>
- US District Court Eastern District of California. (2006, September 13). *Stipulation of Settlement: Natural Resources Defense Council, et al. V. Rodgers, et al.* https://www.restoresjr.net/wp-content/uploads/2015/01/Settlement_Stip_Final_As_Lodged_091306.pdf
- USBR. (2014). *Design Standards No. 3 Water Conveyance Facilities, Fish Facilities, and Roads and Bridges*.
<https://www.usbr.gov/tsc/techreferences/designstandards-datacollectionguides/finals-pdfs/DS3-4.pdf>
- USBR. (2015). *Environmental Assessment 15-15-MP for Firebaugh Canal Water District 1st Lift Canal Lining Project Phase 3 – Shaw Avenue to Check 1 at Highway 33*.
https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=23854
- USBR. (2023). *Summary of Water Supply Allocations*.
https://www.usbr.gov/mp/cvo/vungvari/water_allocations_historical.pdf

- USBR & SLDMWA. (2023). *Delta-Mendota Canal Subsidence Correction Project Draft Environmental Assessment/ Initial Study* (CGB-EA-2023-011).
- USBR & Westlands Water District. (2019). *Mendota Pool Group 20-Year Exchange Program Final Environmental Impact Statement/ Environmental Impact Report*.
https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=41118
- USDA-NCRS. (2009). *National Engineering Handbook: Chapter 7—Hydrologic Soil Groups*.
https://damtoolbox.org/wiki/National_Engineering_Handbook:_Chapter_7_-_Hydrologic_Soil_Groups
- USEPA. (2006). *U.S. Environmental Protection Agency, Ground Water and Drinking Water. Consumer Factsheet on: Nitrates/Nitrites*.
https://archive.epa.gov/region5/teach/web/pdf/nitrates_summary.pdf
- USEPA. (2023). *Information about Public Water Systems*. Drinking Water Requirements for States and Public Water Systems. <https://www.epa.gov/dwreginfo/information-about-public-water-systems>
- USGS. (1973). *Base of fresh groundwater (approximately 2,000 micromhos) in the San Joaquin Valley, California and Generalized Geologic Sections* [Map].
- USGS. (2023a). *Central Valley Extensometer Data* [Dataset].
https://ca.water.usgs.gov/land_subsidence/california-subsidence-areas.html
- USGS. (2023b). *National Field Manual for the Collection of Water-Quality Data*.
<https://www.usgs.gov/mission-areas/water-resources/science/national-field-manual-collection-water-quality-data-nfm>
- USGS. (2024). *Health-Based Screening Levels for evaluating water-quality data* (Version 3) [Dataset]. U.S. Geological Survey web page. <https://doi.org/doi:10.5066/F71C1TWP>
- USGS & California Water Science Center. (2017, December 31). *Delta-Mendota Canal: Evaluation of Groundwater Conditions & Land Subsidence*. <https://ca.water.usgs.gov/projects/central-valley/delta-mendota-canal.html>
- Westlands Water District, USBR, & Mendota Pool Group. (2018, November 1). *Hydrogeologic Technical Analysis—Mendota Pool Group Exchange Program EIS/EIR*. Prepared by LSCE.
https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=41113