

REFERENCES

- Barlow, P.M., and S.A. Leake, 2012, Streamflow depletion by wells—Understanding and managing the effects of groundwater pumping on streamflow: U.S. Geological Survey Circular 1376, 84 p. (Also available at <http://pubs.usgs.gov/circ/1376/>.)
- Brown and Caldwell. 2015. State of the Salinas River Groundwater Basin - Hydrology Report. Monterey County Water Resources Agency Water Reports. http://digitalcommons.csumb.edu/hornbeck_cgb_6_a/21.
- Bureau of Land Management (BLM). 2020. “BLM National Surface Management Agency Area Polygons - National Geospatial Data Asset (NGDA).” Updated April 16, 2020. <https://catalog.data.gov/dataset/blm-national-surface-management-agency-area-polygons-national-geospatial-data-asset-ngda>.
- Burton, Carmen A., and Michael T. Wright. 2018. Status and Understanding of Groundwater Quality in the Monterey-Salinas Shallow Aquifer Study Unit, 2012–13: California GAMA Priority Basin Project. U.S. Geological Survey. Scientific Investigations Report 20185057. Prepared in cooperation with the California State Water Resources Control Board. 132p.
- Carollo Engineers. 2025. Brackish Groundwater Restoration Project Technical Memorandum Scenarios Analysis. Prepared for SVBGSA. Available at: <https://svbgsa.org/wp-content/uploads/2025/10/BGRP-Scenarios-Analysis-TM-2025-10.pdf>
- Carpenter, E.J. and S. Cosby. 1925. *Soil Survey of the Salinas Area, California*. U.S. Department of Agriculture, Bureau of Chemistry and Soils. no. 11.
- CCWG (Central Coast Wetlands Group). 2026. Identification and Mapping of Groundwater-Dependent Ecosystems in the Langley Area Subbasin. Prepared for SVBGSA. Available at: <https://svbgsa.org/wp-content/uploads/2026/07/June-2026-Langley-GDE-Memo-CCWG.pdf>
- CCGC (Central Coast Groundwater Coalition). 2015. *Northern Counties Groundwater Characterization: Salinas Valley, Pajaro Valley and Gilroy-Hollister Valley*. Submitted to the Central Coast Regional Water Quality Control Board on June 1, 2015. Salinas, CA Prepared by Luhdorff & Scalmanini Consulting Engineers. 454 p.
- Central Coast Regional Water Quality Control Board (CCRWQCB). 2018. Groundwater Quality Conditions and Agricultural Discharges in the Central Coast Region. Staff Report for Regular Meeting of May 10-11, 2018.
- _____. 2019. Water Quality Control Plan for the Central Coast Basin. 595 p. https://www.waterboards.ca.gov/centralcoast/publications_forms/publications/basin_plan
-

/docs/2019_basin_plan_r3_complete_webaccess.pdf

- _____. 2021. Proposed General Waste Discharge Requirements for Discharges from Irrigated Lands. Order R3-2021-0040.
https://www.waterboards.ca.gov/centralcoast/board_decisions/adopted_orders/2021/ao4_order.pdf
- _____. 2024. Irrigated Lands Program Data up to 2023. Received May 2024.
- CNRA (California Natural Resources Agency). 2026. Climate Bond Disadvantaged Communities Map. Accessed June 2026. Available at:
<https://experience.arcgis.com/experience/aa723fdf521a44c9a428f1a46cd38a09>
- Department of Toxic Substances Control (DTSC). 2020. Envirostar Website. Accessed June 27, 2020. <https://www.envirostor.dtsc.ca.gov/public/>
- Department of Water Resources (DWR). 2003. *California's Ground Water*. Bulletin 118. Update 2003.
http://wdl.water.ca.gov/waterdatalibrary/docs/historic/Bulletins/Bulletin_118/Bulletin_118_2003.pdf
- _____. 2004. Bulletin 118 Interim Update 2004; Salinas Valley Groundwater Basin, Langley Area Subbasin. https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Groundwater-Management/Bulletin-118/Files/2003-Basin-Descriptions/3_004_09_LangleyAreaSubbasin.pdf.
- _____. 2016a. *California's Groundwater*. Bulletin 118 Interim Update 2016.
<https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Groundwater-Management/Bulletin-118/Files/B118-Interim-Update-2016.pdf>.
- _____. 2016b. *Monitoring Networks and Identification of Data Gaps Best Management Practices*. https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Groundwater-Management/Sustainable-Groundwater-Management/Best-Management-Practices-and-Guidance-Documents/Files/BMP-2-Monitoring-Networks-and-Identification-of-Data-Gaps_ay_19.pdf
- _____. 2017. *Sustainable Management Criteria Best Management Practices*.
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.
- _____. 2018. *Natural Communities Commonly Associated with Groundwater*. Accessed December 2018. <https://data.cnra.ca.gov/dataset/natural-communities-commonly-associated-with-groundwater>.
-

- _____. 2020a. Well Completion Report Map Application. Accessed April 2020.
<https://www.arcgis.com/apps/webappviewer/index.html?id=181078580a214c0986e2da28f8623b37>.
- _____. 2020b. Natural Communities Commonly Associated with Groundwater (NCCAG) – GIS Data Set. Data queried and downloaded from California Department of Water Resources GIS Map Server on 4/29/2020. <https://gis.water.ca.gov/app/ncdatasetviewer/sitedocs/>.
- _____. 2020c. SGMA Data Viewer Map Application. Accessed July 2020.
<https://sgma.water.ca.gov/webgis/?appid=SGMADataViewer>.
- _____. 2020d. Handbook for Water Budget Development With or Without Models. 446 p.
<https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Groundwater-Management/Data-and-Tools/Files/Water-Budget-Handbook.pdf?la=en&hash=30AD0DFD02468603F21C1038E6CC6BFE32381233>.
- _____. 2024. Irrigated Lands Program Data up to 2023. Received May 2024.
- _____. 2026. Disadvantaged Communities Mapping Tool and Economically Distressed Areas Mapping Tool. Accessed June 2026. Available at: <https://gis.water.ca.gov/app/dacs/>.
- Department of Toxic Substances Control (DTSC). 2026. Envirostar Website. Accessed August 12, 2026. <https://www.envirostor.dtsc.ca.gov/public/>
- Durbin, Timothy J. 1974. *Digital simulation of the effects of urbanization on runoff in the upper Santa Ana Valley, California*. U.S. Geological Survey Water Resources Investigations. no.73-41. <https://pubs.usgs.gov/wri/1973/0041/report.pdf>
- Durbin, Timothy J., G.W. Kapple, and J.R. Freckleton. 1978. *Two-Dimensional and Three-Dimensional Digital Flow Models of the Salinas Valley Ground-Water Basin, California*. U.S. Geological Survey. Water Resources Investigations Report 78-113. Prepared in cooperation with the U.S. Army Corps of Engineers. 134 p.
- ERA Economics. 2026a. SVBGSA Economic Impacts of Demand Management. Prepared for SVBGSA. Available at: <https://svbgsa.org/wp-content/uploads/2026/04/DM-Economic-Analysis-Rev-2026-03-31.pdf>
- _____. 2026b. Salinas Valley Basin GSA Project Cost Standardization Technical Memorandum. Prepared for SVBGSA.
- _____. 2026c. Draft SVBGSA Integrated Implementation Strategy Portfolios Funding Strategy. Prepared for SVBGSA. Available at: https://granicus-aasmp-peak-files.s3.amazonaws.com/uploads/attachment/pdf/4298852/6.2_Draft_Funding_Strategy_Report_2026-08-12.pdf?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIATHOFOHMMEOCNXD2W%2F20260918%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20260918T180138Z&X-Amz-
-

[Expires=3600&X-Amz-SignedHeaders=host&X-Amz-Signature=a353e38b22ccad2bda1db3a5db27d3d394bba1b6e730c1c9e281b35e5104da6a](#)

- Fugro West Inc. 1995. "North Monterey County Hydrogeologic Study Volume I Water Resources." Prepared for Monterey County Water Resources Agency. October 1995. 423p.
<http://www.elkhornsloughctp.org/uploads/files/1421885098Fugro%20Water%20Study%20October%201995%20Vol%201.pdf>
- Greene, H.G. 1970. Geology of Southern Monterey Bay and Its Relationship to the Ground Water Basin and Salt Water Intrusion. U.S. Geological Survey Open-File Report 70-141, 51p.
- _____. 1977. Geology of the Monterey Bay Region, California. U.S. Geological Survey Open-File Report 77-718
- Greater Monterey County Regional Water Management Group. 2018. Integrated Regional Water Management Plan for the Greater Monterey County Region. Accessed December 20, 2019. <http://www.greatermontereyirwmp.org/documents/plan/>. (SPECIFIC SECTION: http://www.greatermontereyirwmp.org/wp-content/uploads/2018/09/19-Section-P-Stakeholder-Involvement_Sep-2018.pdf).
- Hanson, R.T., Schmid, W., Faunt, C.C., Lear, J., and Lockwood, B. 2014. Integrated hydrologic model of Pajaro Valley, Santa Cruz and Monterey Counties, California. U.S. Geological Survey Scientific Investigations Report 2014–5111, 166p.
- Harbaugh, A.W., E.R. Banta, M.C. Hill and M.G. McDonald. 2000. MODFLOW-2000, The US Geological Survey modular ground-water model- user guide to modularization concepts and the ground-water flow process, USGS Open-File Report 00-92.
<https://water.usgs.gov/nrp/gwsoftware/modflow2000/ofr00-92.pdf>
- Harding ESE. 2001. "Hydrogeologic Investigation of the Salinas Valley Basin in the Vicinity of Fort Ord and Marina, Salinas Valley, California, prepared for Monterey County Water Resources Agency." 12 April. 166p.
- Heath, R. C. 1976. "Design of ground-water level observation-well programs." *Ground Water*. v. 14, no. 2, p. 71-77.
- Hopkins, J., 1994. Explanation of the Texas Water Development Board groundwater level monitoring program and water-level measuring manual. UM-52, 53 p.
- Howard, J. 1992. *Quercus lobata*. In: Fire Effects Information System. U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, Fire Sciences Laboratory. Available: <https://www.fs.fed.us/database/feis/plants/tree/quelob/all.html>
-

- Hunt, J. W., Robinson, S.M., Clark, R.P., Endris, C.A., Gregory, J.N., Hammerstrom, K.K., Null, K.A., and O'Connor, K.C. 2019. Storm Water Resource Plan for the Greater Monterey County Integrated Regional Water Management Region. California State Water Resources Control Board. 288 pp. http://www.greatermontereyirwmp.org/wp-content/uploads/2019/08/Greater-Monterey-County-SWRP_Final-Plan_2019_06_27-low-res-v2-Aug-2019.pdf.
- HydroFocus, Inc. 2014. "Distribution of Groundwater Nitrate Concentrations, Salinas Valley, California." 30 April. 42p.
- Jennings, C.W., with modifications by C. Gutierrez, W. Bryant, G. Saucedo, and C. Wills, 2010. Geologic map of California: California Geological Survey, Geologic Data Map No. 2, scale 1:750,000. https://www.conservation.ca.gov/cgs/Pages/Program-RGMP/2010_geologicmap.aspx.
- Johnson, M.J. 1983. "Groundwater in North Monterey County, California, 1980." U.S. Geological Survey Water Resources Investigations Report 83-4023. July 1983. 37p.
- Johnson, M. J., Clark J. Londquist, Julie Laudon, and Hugh T. Mitten. 1988. Geohydrology and Mathematical Simulation of the Pajaro Valley Aquifer System, Santa Cruz and Monterey Counties, California. U.S. Geological Survey Water-Resources Investigations Report 87-4281. <https://pubs.usgs.gov/wri/1987/4281/report.pdf>.
- Kennedy-Jenks. 2004. *Hydrostratigraphic Analysis of the Northern Salinas Valley*. Prepared for Monterey County Water Resources Agency. 14 May, 113p.
- Kulongoski Justin T. and Kenneth Belitz. 2005. Ground-Water Quality Data in the Monterey Bay and Salinas Valley Basins, California, 2005 - Results from the California GAMA Program. U.S. Geological Survey. Scientific Investigations Report 2011-5058. Prepared in in cooperation with the California State Water Resources Control Board. 98p.
- Mittelbach, H., Casini, F., Lehner, I., Teuling, A., & Seneviratne, S. 2011. Soil moisture monitoring for climate research: Evaluation of a low-cost sensor in the framework of the Swiss Soil Moisture Experiment (SwissSMEX) campaign. Journal of Geophysical Research. 116. 11. 10.1029/2010JD014907. <https://agupubs.onlinelibrary.wiley.com/doi/pdf/10.1029/2010JD014907>.
- Monterey County Housing and Community Development. 2010. Monterey County General Plan, Chapter 5. <https://www.co.monterey.ca.us/home/showpublisheddocument/45810/636389938521570000>
- Monterey County Board of Supervisors. 2018. Ordinance 5302: An Interim Ordinance of the County of Monterey, State of California, Adopted Pursuant to Government Code Section 65858, Temporarily Prohibiting New Wells in Seawater Intruded Aquifers, With Specified Exemptions, Pending the County's Study and Consideration of Regulations. <https://www.co.monterey.ca.us/home/showpublisheddocument/76746/636900588655270>
-

MCWRA (Monterey County Water Resources). MCWRA Agency Act. 1991 (amended).
<https://www.co.monterey.ca.us/Home/ShowDocument?id=19488>.

_____. 2006. Monterey County Groundwater Management Plan.

_____. 2015a. *2014 Groundwater Extraction Summary Report*.

_____. 2015b. "CASGEM Monitoring Plan for High and Medium Priority Basins in the Salinas Valley Groundwater Basin."

_____. 2018. Nacimiento Dam Operation Policy.
<https://www.co.monterey.ca.us/Home/ShowDocument?id=63151>

_____. 2019a. 2019 Quarterly Salinas Valley Water Conditions Report.
<https://www.co.monterey.ca.us/home/showpublisheddocument/83768/63707435395633000>.

_____. 2019b. Salinas River Long-Term Management Plan.
http://www.salinaserivermanagementprogram.org/ltmp_doc.html.

Montgomery & Associates. 2024. *Salinas Valley Deep Aquifers Study*. Prepared for SVBGSA.
https://svbgsa.org/wp-content/uploads/2024/05/Deep-Aquifers-Study-Report_no-appendices_compressed.pdf.

_____. 2025a. Langley Aquifer Subbasin HCM Update: Data, Methods, and Findings. Prepared for SVBGSA. Available at: https://svbgsa.org/wp-content/uploads/2025/12/Langley_HCM_Updates_2025-03-20.pdf

_____. 2025b. Update to the Salinas Valley Integrated Hydrologic and Operational Models. Prepared for Salinas Valley Groundwater Basin Sustainability Agency. October 2025. Available at: <https://svbgsa.org/wp-content/uploads/2025/11/SVIHM-2025-Update-Report.pdf>

_____. 2025c. Brackish Groundwater Restoration Project Scenarios Modeling Results. Technical Memorandum. Prepared for SVBGSA. Available at: https://svbgsa.org/wp-content/uploads/2025/10/BGR-Project-Scenarios_Modeling-TM_20251002-1.pdf

_____. 2026a. Groundwater Quality Trend Correlation Analysis in the Eastside Subbasin. Technical Memorandum prepared for SVBGSA.

_____. 2026b. Salinas Valley Operational Model Update and Projected Baseline Simulation. Technical Memorandum prepared for SVBGSA. March 6, 2026. Available at: <https://svbgsa.org/wp-content/uploads/2026/04/SVOM-Update-and-Projected-Baseline->

[Simulation.pdf](#).

Montgomery & Associates, MBK Engineers, Wallace Group, and Denise Duffy & Associates. 2026. Castroville and Eastside Canals and Alternatives Preliminary Feasibility Study. Prepared for SVBGSA. Available at: <https://svbgsa.org/castroville-and-eastside-canals-and-alternatives/>

Moran, Tara, and Alletta Belin. 2019. “A Guide to Water Quality Requirements Under the Sustainable Groundwater Management Act.” Stanford Water in the West. Available at <https://stacks.stanford.edu/file/druid:dw122nb4780/A%20Guide%20to%20Water%20Quality%20Requirements%20under%20SGMA.pdf>.

O’Geen, A.T., M.B.B. Saal, H. Dahlke, D. Doll, R. Elkins, A. Fulton, G. Fogg, T. Harter, J.W. Hopmans, C. Ingels, F. Niederholzer, S. Sandovol Solis, P. Verdegaal, and M. Walkinshaw. 2015. “Soil suitability index identifies potential areas for groundwater banking on agricultural lands.” *California Agriculture* 69:75-84.

Protecting Our Water and Environmental Resources v. County of Stanislaus. 2020. 10 Cal. 5th 479. Available at: <https://law.justia.com/cases/california/supreme-court/2020/s251709.html>.

Rivas, T. 2006. Erosion Control Treatment Selection Guide. U.S. Forest Service National Technology & Development Program: 7700 Transportation Management. United States Department of Agriculture. 0677 1203—SDTDC. December 2006. https://www.fs.fed.us/t-d/pubs/pdf/hi_res/06771203hi.pdf.

Rosenberg, Lewis I. 2001. Digital Geologic Map of Monterey County, California, 1934-2001. Stanford University EarthWorks. <https://earthworks.stanford.edu/catalog/stanford-cm427jp1187>.

Schwartz, D.L. 1983. “Geologic History of Elkhorn Slough, Monterey County, California.” M.S. Thesis, San Jose State University. December 1983. <https://scholarworks.calstate.edu/downloads/9w0327700>

Sophocleous, M. 1983. “Groundwater observation network design for the Kansas groundwater management districts, USA.” *Journal of Hydrology*, 61: 371-389.

SVBGSA (Salinas Valley Basin Groundwater Sustainability Agency). 2025. Brackish Groundwater Restoration Project Feasibility Study Phase 1 Report. Prepared with support from Carollo Engineers, Montgomery & Associates, and ERA Economics. Available at: <https://svbgsa.org/wp-content/uploads/2025/10/BGRP-FS-Phase-1-Report-2025-10.pdf>.

SWRCB (State Water Resources Control Board). 2020. Groundwater Ambient Monitoring and Assessment Program (GAMA) Groundwater Information System Website. Accessed June 27, 2020.

- _____. 2024. Electronic Water Rights Information Management System (eWRIMS). Accessed January 27, 2024.
<https://ciwqs.waterboards.ca.gov/ciwqs/ewrims/reportingDiversionDownloadPublicSetup.do>
- _____. 2026. GeoTracker Website. Accessed August 11, 2026.
<https://geotracker.waterboards.ca.gov/>.
- Thorup, R.R. 1976-1983. Hydrogeological Report on the Deep Aquifer, Salinas Valley, Monterey County, California. Draft report prepared for Monterey County Board of Supervisors. <http://svbgsa.org/wp-content/uploads/2020/08/1976-Hydrogeological-Report-on-the-Deep-Aquifer-Salinas-Valley-Richard-R.-Thorup.pdf>
- Tracking California. Water System Service Areas. Accessed April 2020.
<https://trackingcalifornia.org/water-systems/water-systems-landing>.
- U.S. Census Bureau. TIGER/Line Geodatabases. Accessed December 2018.
<https://www.census.gov/geographies/mapping-files/time-series/geo/tiger-geodatabase-file.html>.
- U.S. Department of Agriculture, Natural Resources Conservation Service. 2018. *National Soil Survey Handbook*. Title 430-VI. Accessed September 30, 2019.
http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/ref/?cid=nrcs142p2_054242.
- U.S. Geological Survey. 2026. Valley Integrated Hydrologic and Reservoir Operations Models, Monterey and San Luis Obispo Counties, California. Prepared in cooperation with MCWRA, Monterey County, and the SVBGSA. Scientific Investigations Report 2026-5005. Available at: <https://pubs.usgs.gov/sir/2026/5005/sir20265005.pdf>.
- _____. 2025c. Brackish Groundwater Restoration Project Scenarios Modeling Results. Technical Memorandum. Prepared for SVBGSA. Available at: https://svbgsa.org/wp-content/uploads/2025/10/BGR-Project-Scenarios_Modeling-TM_20251002-1.pdf
-