

# **Section 8: References**

## Groundwater Sustainability Plan for Santa Rosa Plain Groundwater Subbasin

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## 8 REFERENCES

### 8.1 Works Cited

- Allen, J.R. 2003. Stratigraphy and Tectonics of Neogene strata, Northern San Francisco Bay Area. Unpublished.
- Alley, William M., Thomas E. Reilly, and O. Lehn Franke. 1999. *Sustainability of Ground-Water Resources*. U.S. Geological Survey Circular 1186.
- 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. <http://pubs.usgs.gov/circ/1376>.
- Bennett, G.L., and M.S. Fram. 2014. *Groundwater-quality Data in the North San Francisco Bay Shallow Aquifer Study Unit, 2012: Results from the California GAMA Program*. U.S. Geological Survey Data Series 865.
- Borsa, A. A., D.C. Agnew, and D.R. Cayan. 2014. “Ongoing Drought-Induced Uplift in the Western United States.” *Science*. Vol. 345, pp. 1587-90.
- Brunner P., Cook P. G., and C. T. Simmons. 2011. “Disconnected Surface Water and Groundwater: From Theory to Practice.” *Ground Water*. Vol. 49. 460-7. doi: 10.1111/j.1745-6584.2010.00752.x.
- California Department of Water Resources (DWR). 1979. *Meeting Water Demands in the City of Rohnert Park*.
- California Department of Water Resources (DWR). 1982. *Evaluation of Ground Water Resources, Sonoma County: Volume 2: Santa Rosa Plain*. Bulletin 118-4.
- California Department of Water Resources (DWR). 2003. *California’s Groundwater*. DWR Bulletin 118 Update 2003.
- California Department of Water Resources (DWR). 2012. *2012 Sonoma County Land Use Survey Data*.
- California Department of Water Resources (DWR). 2016a. *California’s Groundwater, Working Towards Sustainability*. Bulletin 118 Interim Update 2016.
- California Department of Water Resources (DWR). 2016b. *Best Management Practices for the Sustainable Management of Groundwater, Monitoring Protocols, Standards, and Sites*. December. [https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Groundwater-Management/Sustainable-Groundwater-Management/Best-Management-Practices-and-Guidance-Documents/Files/BMP-1-Monitoring-Protocols-Standards-and-Sites\\_ay\\_19.pdf](https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Groundwater-Management/Sustainable-Groundwater-Management/Best-Management-Practices-and-Guidance-Documents/Files/BMP-1-Monitoring-Protocols-Standards-and-Sites_ay_19.pdf).

California Department of Water Resources (DWR). 2016c. *Best Management Practices for the Sustainable Management of Groundwater, Monitoring Networks and Identification of Data Gaps*. December. [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](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).

California Department of Water Resources (DWR). 2017. *Draft Sustainable Management Criteria, Best Management Practices for the Sustainable Management of Groundwater*.

California Department of Water Resources (DWR). 2019. *Sustainable Groundwater Management Act 2019 Basin Prioritization: Process and Results*.

California Department of Water Resources (DWR). 2020. *Sustainable Groundwater Management Act 2019 Basin Prioritization, Process and Results*. May.

California Department of Water Resources (DWR). 2021a. DAC Mapping Tool. <https://gis.water.ca.gov/app/dacs>.

California Department of Water Resources (DWR). 2021b. *InSAR Data Accuracy for California Groundwater Basins, CGPS Data Comparative Analysis, January 2015 to October 2020*. Final Report. Prepared by Towill, Inc. April 7.

California Department of Water Resources (DWR). 2021c. California Irrigation Management Information System. <https://cimis.water.ca.gov/>.

California Sustainable Winegrowing Alliance. 2020. *California Code of Sustainable Winegrowing Workbook, 4th Edition*. December.

Cardwell, G.T. 1958. *Geology and Ground water in the Santa Rosa and Petaluma Areas, Sonoma County, California*. U.S. Geological Survey Water Supply Paper 1427.

Center for Ecosystem Management and Restoration (CEMAR). 2014. *Report on the Hydrologic Characteristics of Mark West Creek*. Updated January 28, 2015.

City of Cotati. 2011. *Water Distribution System Master Plan*. Prepared by Carollo. September.

City of Cotati. 2015. *Cotati General Plan*. Prepared by DeNovo Planning Group. Adopted March 24, 2015.

City of Rohnert Park. 2000. *Our Place ... Rohnert Park 2020: A Plan for the Future, General Plan*. Eighth Edition. Prepared by Dyett & Bhatia. Adopted July 2000.

City of Rohnert Park. 2007. *2005 Urban Water Management Plan*. Prepared by Winzler and Kelly Consulting Engineers with Luhdorff and Scalmanini Consulting Engineers, Brown and Caldwell, and Maddaus Water Management. Rohnert Park, California.

- City of Santa Rosa. 2009. *Santa Rosa General Plan 2035*. Adopted November 3, 2009.
- City of Santa Rosa. 2013a. *Santa Rosa Plain Salt and Nutrient Management Plan*. Prepared by Woodard & Curran in association with Plan Tierra. March.
- City of Santa Rosa. 2013b. *Municipal Operations Climate Action Plan*. August 6.
- City of Santa Rosa. 2013c. *Groundwater Master Plan*. Final Report. September.
- City of Santa Rosa. 2014. *Water Master Plan Update*. August.
- City of Santa Rosa. 2021. *Santa Rosa Plain Groundwater Subbasin Revised Monitoring and Reporting Program*. Prepared by Woodard & Curran. August.
- City of Santa Rosa and County of Sonoma. 2011. *Storm Water Low Impact Development Technical Design Manual*. August.
- City of Sebastopol. 2005. *Sebastopol Water Master Plan*. Prepared by Coastland Civil Engineering for City of Sebastopol. September.
- City of Sebastopol. 2016. *Sebastopol General Plan*. Prepared by De Novo Consulting Group. Adopted November 15, 2016.
- Climate Change Technical Advisory Group (CCTAG). 2015. *Perspectives and Guidance for Climate Change Analysis*. Sacramento Department of Water Resources.
- Community Collaborative Rain, Hail and Snow Network (CoCoRaHS). 2021. "Sonoma County, California Daily Precipitation Reports." View Data: Daily Precipitation Reports by County. <https://www.cocorahs.org/ViewData/CountyDailyPrecipReports.aspx?state=CA&county=SN>.
- County of Sonoma Department of Health Services. 2014. A Portrait of Sonoma County, Sonoma County Human Development Report. May.
- Craig, Harmon. 1961. "Isotopic variations in meteoric waters." *Science*. Vol. 133, pp. 1702-1703.
- Dettinger, M.D., F.M. Ralph, D. Tapash, P.J. Nieman, and D.R. Cayan. 2011. "Atmospheric Rivers, Floods and Water Resources of California." *Water*. Special Issue: Managing Water Resources and Development in a Changing Climate. March.
- Ford, R.S. 1975. *Evaluation of ground water resources: Sonoma County, volume 1: geologic and hydrologic data*. California Department of Water Resources Bulletin 118-4.
- Freeze, R.A. and J.A. Cherry. 1979. *Groundwater*. Englewood Cliffs, NJ: Prentice-Hall, Inc.
- Funning, G. J., R. Burgmann, A. Ferretti, F. Novali, and A. Fumagalli. 2007. "Creep in the Rodgers Creek Fault, Northern San Francisco Bay Area From a 10 Year PS-InSAR Dataset." *Geophysical Research Letters*. Vol. 34. L19306.

- GEI Consultants, Inc., Pueblo Water Resources, and Parker Groundwater. 2013. *Santa Rosa Plain/Sonoma Valley Groundwater Banking Feasibility Study*.
- GEI Consultants, Inc., Pueblo Water Resources, and Sonoma Water. 2020. *Technical Addendum: ASR Pilot Testing at TW-6A*. March.
- Geological Society of America. 2018. GSA Geologic Time Scale v. 5.0. <https://doi.org/10.1130/2018.CTS005R3C>.
- He, M., A. Schwarz, E. Lynn, and M. Anderson. 2018. "Projected Changes in Precipitation, Temperature, and Drought across California's Hydrologic Regions in the 21st Century." *Climate*. Vol. 6, No. 2. California Department of Water Resources. <https://doi.org/10.3390/cli6020031>.
- Heath, Ralph C. 1984. *Basic Ground-Water Hydrology*. U.S. Geological Survey Water-Supply Paper 2220. Prepared in cooperation with the North Carolina Department of Natural Resources and Community Development.
- Herbst, C.M., D.M. Jacinto, and R.A. McGuire. 1982. *Evaluation of Ground Water Resources, Sonoma County, volume 2: Santa Rosa Plain*. California Department of Water Resources Bulletin 118-4.
- Holland, P., R. Rubin, J. Wakabayashi, and J. Allen. 2009. *Geology along the Rodgers Creek and Tolay faults: Late Cenozoic stratigraphy and tectonics, Franciscan melange and high grade metamorphism, and Quaternary landslide complexes*. Association of Engineering Geologists, San Francisco Section Field Trip guide. August.
- Intergovernmental Panel on Climate Change (IPCC). 2013. *Climate Change 2013: The Physical Science Basis. Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*. T.F. Stocker, D. Qin, G.-K. Plattner, M. Tignor, S.K. Allen, J. Boschung, A. Nauels, Y. Xia, V. Bex, and P.M. Midgley, eds. Cambridge, United Kingdom and New York, New York: Cambridge University Press.
- Jin, L., and G.J. Funning. 2017. "Testing the inference of creep on the northern Rodgers Creek fault, California, using ascending and descending persistent scatterer InSAR data." *Journal of Geophysical Research: Solid Earth*.
- Kadir, T.N. and R.A. McGuire. 1987. *Santa Rosa Plain Ground Water Model*. California Department of Water Resources Central District.
- Kulongoski, J.T., Kenneth Belitz, and B.J. Dawson. 2006. *Ground-water quality data in the North San Francisco Bay hydrologic provinces, California, 2004: Results from the California (GAMA) Program*. U.S. Geological Survey Data Series Report 167, p. 100.

Kulongoski, J.T., K. Belitz, M.K. Landon, and C. Farrar. 2010. *Status and Understanding of Groundwater Quality in the North San Francisco Bay Groundwater Basins, 2004: California GAMA Priority Basin Project*. U.S. Geological Survey Scientific Investigations Report 2010-5089.

Langenheim, V.E., C.W. Roberts, C.A. McCabe, D.K. McPhee, J.E. Tilden, and R.C. Jachens. 2006. *Preliminary isostatic gravity map of the Sonoma Volcanic Field and vicinity, Sonoma and Napa Counties, California*. U.S. Geological Survey Open File Rep. 06-1056.

Langenheim, V.E., R.W. Graymer, R.C. Jachens, R.J. Mclaughlin, D.L. Wagner, and D.S. Sweetkind. 2010. "Geophysical framework of the northern San Francisco Bay region, California." *Geosphere*. Vol. 6, No. 5, pp. 594–620.

Leidy, R.A., G. Becker, and B.N. Harvey. 2005. "Historical Status of Coho Salmon in Streams of the Urbanized San Francisco Estuary." *California Fish and Game*. Vol. 91, No. 4. pp. 219-254.

Loaiciga, H. 2016. "The Safe Yield and Climatic Variability: Implications for Groundwater Management." *Groundwater*. Vol. 55, pp. 334-345.

Martin, P., L.F. Metzger, J.N. Densmore, and R.A. Schroeder. 2013. "Groundwater quality and source and age of groundwater in the Santa Rosa Plain watershed, Sonoma County, California." *Hydrogeologic and geochemical characterization of the Santa Rosa Plain watershed, Sonoma County*. Tracy Nishikawa, ed. U.S. Geological Survey Scientific Investigations Report 2013-5118, pp. 113-165.

McLaughlin, R.J., V.E. Langenheim, A.M. Sarna-Wojcicki, R.J. Fleck, D.K. McPhee, C.W. Roberts, C.A. McCabe, and Elmir Wan. 2008. *Geologic and Geophysical Framework of the Santa Rosa 7.5' Quadrangle, Sonoma County, California*. U.S. Geological Survey Open-File Report 2008–1009. <http://pubs.usgs.gov/of/2008/1009/>.

McPhee, D. K., V.E. Langenheim, and R.C. Jachens. 2007. "Basin structure beneath the Santa Rosa Plain, Northern California: Implications for damage caused by the 1969 Santa Rosa and 1906 San Francisco earthquakes." *Bulletin of the Seismological Society of America*.

Muir, K.S., and M.J. Johnson. 1979. *Classification of Groundwater Potential in Three Parts of Santa Cruz County*. U. S. Geological Survey Open File Report 79-1065.

Muir, K.S., and T.B. Coplen. 1981. *Tracing Ground-water Movement By Using the Stable Isotopes of Oxygen and Hydrogen, Upper Penitencia Creek Alluvial Fan, Santa Clara Valley, California*. U.S. Geological Survey Water-Supply Paper 2075.

Nishikawa, Tracy, ed. 2013. *Hydrogeologic and Geochemical Characterization of the Santa Rosa Plain Watershed, Sonoma County, California*. U.S. Geological Survey Scientific Investigations Report 2013-5118.

Nishikawa, T., J.A. Hevesi, D.S. Sweetkind, and L.R. Woolfenden. 2013a. "Introduction to Study Area." Chapter A in *Hydrogeologic and Geochemical Characterization of the Santa Rosa Plain*

*Watershed, Sonoma County*. Tracy Nishikawa, ed. U.S. Geological Survey Scientific Investigations Report 2013-5118.

Nishikawa, T., J.A. Hevesi, D.S. Sweetkind, and P. Martin. 2013b. "Conceptual Model of Santa Rosa Plain Watershed Hydrologic System." *Hydrogeologic and Geochemical Characterization of the Santa Rosa Plain Watershed, Sonoma County*. Tracy Nishikawa, ed. U.S. Geological Survey Scientific Investigations Report 2013-5118. pp. 167-177.

North Coast Regional Water Quality Control Board (NCRWQCB). 2018. *Water Quality Control Plan for the North Coast Region*. June.

Pavley. 2014. *Senate Bill 985, Stormwater Resource Planning Act*. Chapter 555. September 25.

Permit and Resource Management Department (Permit Sonoma). 2016. Groundwater Availability Classifications map. <https://sonomacounty.ca.gov/PRMD/Administration/GIS/Map-Gallery/>.

Peterson D.M. and J.L. Wilson 1988. *Variably saturated flow between streams and aquifers*. Tech Completion Rep 233, New Mexico Water Resources Research Institute, Socorro.

Powell, C.L., II, J.R. Allen, and P.J. Holland. 2004. *Invertebrate paleontology of the Wilson Grove Formation (late Miocene to late Pliocene), Sonoma and Marin Counties, California, with some observations on its stratigraphy, thickness, and structure*. U.S. Geological Survey Open-File Report 2004-1017. 105 p. <http://pubs.usgs.gov/of/2004/1017>.

Rohde, M.M., B. Seapy, R. Rogers, X. Castañeda, eds. 2019. *Critical Species LookBook: A compendium of California's threatened and endangered species for sustainable groundwater management*. The Nature Conservancy. San Francisco, California.

Rohnert Park. 2000. *Our Place ... Rohnert Park 2020: A Plan for the Future, General Plan*. Adopted July 2000. Eighth Edition. Prepared by Dyett & Bhatia.

Russian River Watershed Association. 2018. *Russian River Storm Water Resource Plan*. Final Report. July.

Santa Rosa Plain Basin Advisory Panel. 2014. *Santa Rosa Plain Watershed Groundwater Management Plan*. Prepared by Parker Groundwater. [http://santarosaplaingroundwater.org/wp-content/uploads/SRP\\_GMP\\_12-14.pdf](http://santarosaplaingroundwater.org/wp-content/uploads/SRP_GMP_12-14.pdf).

Santa Rosa Plain Groundwater Management Program (SRPGMP). 2014. *Santa Rosa Plain Basin Advisory Panel*. Prepared by Parker Groundwater. <https://santarosaplaingroundwater.org>.

Santa Rosa Plain Groundwater Management Program (SRPGMP). 2016. *2016 Annual Report*. Santa Rosa Plain Watershed Groundwater Management Program. Prepared by Sonoma Water.

Santa Rosa Plain Groundwater Sustainability Agency (Santa Rosa Plain GSA). 2018. *Community Engagement Plan for Development and Adoption of a Groundwater Sustainability Plan*. January.

Sesser B., D. DiPietro, R. Lawson, and M. Trotta. 2011. *Sonoma Valley Groundwater Potential Recharge Mapping Project*.

Simley J.D., and W.J. Carswell, Jr. 2009. *The National Map—Hydrography*. U.S. Geological Survey Fact Sheet 2009-3054. <http://pubs.usgs.gov/fs/2009/3054/pdf/FS2009-3054.pdf>.

Sloop, Christina, J. Honton, C. Greager, L. Chen, E.S. Andrews, and S. Bozkurt. 2007. "Hydrology and sedimentation." *The Altered Laguna: A Conceptual Model of Watershed Stewardship*. Laguna de Santa Rosa Foundation.

Sonoma County. 2003. *Pilot Study of Groundwater Conditions in the Joy Road, Mark West Springs, and Bennett Valley Areas of Sonoma County, California*. Prepared by Kleinfelder, Inc.

Sonoma County. 2008. *Sonoma County General Plan*. Adopted by Resolution No. 08-0808 of the Sonoma County Board of Supervisors, September 23, 2008. Amended by Resolution No. 16-0283 on August 2, 2016. <https://sonomacounty.ca.gov/PRMD/Long-Range-Plans/General-Plan>.

Sonoma County Regional Climate Protection Authority. 2016. *Climate Action 2020 and Beyond: Sonoma County Regional Climate Action Plan*. [https://rcpa.ca.gov/wp-content/uploads/2016/07/CA2020\\_Plan\\_7-7-16\\_web.pdf](https://rcpa.ca.gov/wp-content/uploads/2016/07/CA2020_Plan_7-7-16_web.pdf).

The Sonoma Resource Conservation District and the Resource Conservation District of Santa Cruz County (Sonoma RCD). 2015. *Slow it. Spread it. Sink it. Store it!: Guide to Beneficial Stormwater Management and Water Conservation Strategies*. Second edition. June. <http://sonomarcld.org/wp-content/uploads/2017/06/Slow-it-Spread-it-Sink-it-Store-it.pdf>.

Sonoma County Transportation Authority (SCTA). 2017. *Priority Development Area Investment and Growth Strategy Update*. Adopted June 12.

Sonoma Veg Map. 2013. *Sonoma County Vegetation Mapping & LIDAR Program: High-Quality Data for Planning, Conservation and Resource Management*. A joint project of Sonoma County Agricultural Preservation and Open Space District and Sonoma Water. <http://sonomavegmap.org/data-downloads>.

Sonoma County Water Agency (Sonoma Water). 2012. *Laguna-Mark West Creek Watershed Planning Scoping Study Screening Technical Memorandum*. Prepared by Winzler-Kelly-GHD for Sonoma Water. May 2012. <https://www.sonomawater.org/stormwater-groundwater>.

Sonoma County Water Agency (Sonoma Water). 2013. *Water Smart Development Guidebook*. <https://evogov.s3.amazonaws.com/media/185/media/165407.pdf>.

Sonoma County Water Agency (Sonoma Water). 2017. *2016 Annual Report, Santa Rosa Plain Watershed Groundwater Management Program*. March.



- Sonoma County Water Agency (Sonoma Water). 2018. *2018 Water Supply Strategies Action Plan*. <https://www.sonomawater.org/water-supply-strategy>.
- Sonoma County Water Agency (Sonoma Water). 2021. *2020 Urban Water Management Plan*. Prepared by Brown and Caldwell. June.
- Sonoma County Water Agency (Sonoma Water) and University of California Cooperative Extension/California Sea Grant. 2014. *Implementation of the California Coastal Salmonid Monitoring Plan in the Russian River*. June.
- Sophocleous, M. 2002. "Interactions between groundwater and surface water: The state of the science." *Hydrogeology Journal*. Vol. 10. pp. 52–67.
- Sowers, J.M., J.S. Noller, and W.R. Lettis. 1998. *Quaternary Geology and Liquefaction Susceptibility, Napa, California 1:100,000 Quadrangle: A Digital Database*. U.S. Geological Survey Open-File Report 98–460.
- State Water Resources Control Board (SWCRB). 1986. *Russian River Project Decision 1610: Application 19351 and Petitions on Permits 1297A, 12949, 12950, and 16596; Issued on Applications 12919A, 15736, 15737, and 19351 of Sonoma County Water Agency; East Fork Russian River, Russian River, and Dry Creek in Mendocino and Sonoma Counties*. April.
- State Water Resources Control Board (SWCRB). 2012. *Addressing Nitrate in California's Drinking Water*. Prepared by University of California, Davis for SWRCB. March.
- State Water Resources Control Board (SWRCB). 2018. *Water Quality Control Policy for Recycled Water*. December.  
[https://www.waterboards.ca.gov/board\\_decisions/adopted\\_orders/resolutions/2018/121118\\_7\\_final\\_amendment\\_oal.pdf](https://www.waterboards.ca.gov/board_decisions/adopted_orders/resolutions/2018/121118_7_final_amendment_oal.pdf).
- State Water Resources Control Board (SWRCB). 2021. GeoTracker database. CA.gov. Accessed April 24, 2020. <https://geotracker.waterboards.ca.gov>.
- Sweetkind, D.S., J.A. Hevesi, T. Nishikawa, P. Martin, and C.D. Farrar. 2013. "Hydrology of the Santa Rosa Plain Watershed, Sonoma County, California." Chapter B. In Nishikawa, Tracy, ed., *Hydrogeologic and geochemical characterization of the Santa Rosa Plain watershed, Sonoma County, California*. U.S. Geological Survey Scientific Investigations Report 2013-5118, pp. 27-112.
- The Nature Conservancy (TNC). 2018. *Groundwater Dependent Ecosystems under the Sustainable Groundwater Management Act: Guidance for Preparing Groundwater Sustainability Plans*. January.  
[https://groundwaterresourcehub.org/public/uploads/pdfs/GWR\\_Hub\\_GDE\\_Guidance\\_Doc\\_2-1-18.pdf](https://groundwaterresourcehub.org/public/uploads/pdfs/GWR_Hub_GDE_Guidance_Doc_2-1-18.pdf).

Todd Engineers. 2012. *Memorandum: Santa Rosa Plain Groundwater Recharge Potential Mapping*.

Town of Windsor. 2011. *Town of Windsor Master Plan Update*. Prepared by Woodard & Curran. September.

Town of Windsor. 2018. *Town of Windsor General Plan*. Prepared by Mintier Harnish. Adopted April 4, 2018.

U.S. Department of Agriculture (USDA). 2007. SSURGO database for Sonoma County, California. Natural Resources Conservation Service. Accessed May 14, 2009.  
<https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>.

U.S. Geological Survey (USGS). 2006. National Hydrography dataset. Accessed May 1, 2020.  
<http://nhd.usgs.gov>.

U.S. Geological Survey (USGS). 2014. *Water Quality in Principal Aquifers of the United States, 1991-2010*. National Water-Quality Assessment Program. Circular 1360.

U.S. Geological Survey (USGS). 2021. "USGS Water Data for the Nation." National Water Information System: Web Interface database. <https://waterdata.usgs.gov/nwis>.

Wagner, D.L., G.J. Saucedo, K.B. Clahan, R.J. Fleck, V.E. Langenheim, R.J. McLaughlin, A.M. Sarna-Wojcicki, J.R. Allen, and A.L. Deino. 2011. "Geology, Geochronology, and Paleogeography of the Southern Sonoma Volcanic Field and Adjacent Areas, Northern San Francisco Bay Region, California." *Geosphere*. Vol. 7, pp. 658–683.

Wagner, D.L., and C.I. Gutierrez. 2017. *Preliminary Geologic Map of the Napa and Bodega Bay 30'x 60' Quadrangles, California* [map]. 1:100,000. California Geological Survey. Accessed April 8, 2021. [https://ngmdb.usgs.gov/Prodesc/proddesc\\_105819.htm](https://ngmdb.usgs.gov/Prodesc/proddesc_105819.htm).

WATER Institute. 2008. *Roof Water Harvesting for a Low Impact Water Supply, Featuring the Brazilian Ball Pre-Filter System: A Case Study*. <https://oaec.org/publications/roof-water-harvesting-for-a-low-impact-water-supply>.

Watt, J., D. Ponce, T. Parsons, and P. Hart. 2016. "Missing link between the Hayward and Rodgers Creek Faults." *Science Advances*. Vol. 2. October 5.

Windsor. 2011. *Town of Windsor Master Plan Update*. Prepared by Woodard & Curran. September 2011.

Windsor. 2018. *Town of Windsor General Plan*. Prepared by Mintier Harnish. Adopted April 4, 2018.

Winters, T.C., J.W. Harvey, O.L. Franke, and W.M. Alley. 1999. *Ground Water and Surface Water: A Single Resource*. U. S. Geological Survey Circular 1139.

Woodard & Curran. 2020. *Santa Rosa Plain Groundwater Subbasin Monitoring and Reporting Program*. Prepared for City of Santa Rosa. March.

Woolfenden, L.R., and T. Nishikawa, eds. 2014. *Simulation of groundwater and surface-water resources of the Santa Rosa Plain watershed, Sonoma County, California*. U.S. Geological Survey Scientific Investigations Report 2014-5052. <https://pubs.usgs.gov/sir/2014/5052/pdf/sir2014-5052.pdf>.

## 8.2 Santa Rosa Plain GIS Data Sources

**Bureau of Indian Affairs** - California Department Forestry and Fire Protection Land Ownership

**California American Water Company** - County of Sonoma GIS Central

**City Footprints** - Permit and Resource Management Department (PRMD), County of Sonoma, 2006

**City of Rohnert Park Land Use** - City of Rohnert Park General Plan, 2018

**Climate Station Locations** - MesoWest, CoCoRaHS and UC Davis, Sonoma Water

**County Line** - County of Sonoma GIS Central

**Elevation** - Sonoma County Vegetation Mapping and LiDAR Program, North American Vertical Datum 1988 (NAVD88)

**General Plan Land Use** - Sonoma County Permit Resource Management Department, 2020 General Plan

**GSP Study Area Watershed** - Sonoma Water

**Groundwater Availability** - Sonoma County Permit and Resource Management Department (Permit Sonoma)

**Groundwater Basins** - California Department of Water Resources, Bulletin 118

**Land Use Survey** - Department of Water Resources, 2012 land use survey

**Major Rivers and Creeks** - Department of Water Resource, National Hydrography dataset

**Managed Wetlands** - Department of Water Resources, 2014 Crop Mapping

**Protected Areas** - California Protected Areas Database, 2017 holdings

**Resource Conservation District (RCD)** - County of Sonoma GIS Central

**Sonoma State** - County of Sonoma GIS Central

**Vegetation and Agriculture classes** - Sonoma County LiDAR and Vegetation Mapping Program and Sonoma Water

**Water Companies & Other Public Water Suppliers** - County of Sonoma GIS Central

**Water Infrastructure** - Sonoma Water

**Water Wells and Well Density** - by Sonoma County Water Agency with source data courtesy of California Department of Water Resources Online System for Well Completion Reports (OSWCR - <https://data.cnra.ca.gov/dataset/well-completion-reports>), Permit Sonoma, and the USGS Well Density and Known well Locations – U.S. Geological Survey dataset developed for Hydrologic and Geochemical Characterization of the Santa Rosa Plain Watershed, Sonoma County, California (<https://pubs.usgs.gov/sir/2013/5118/>)