



IMPROVE GROUNDWATER ELEVATION AND QUALITY MONITORING NETWORK

This project is being conducted in California's critically overdrafted and high- and medium-priority groundwater basins. DWR and its contractors are partnering with groundwater sustainability agencies (GSAs) to provide the necessary resources to install monitoring wells and conduct downhole camera surveys so that GSAs, and disadvantaged communities (DACs) in those basins, can improve their groundwater monitoring networks and groundwater management. The data collected will also be made available to the public.

What is Proposition 68?

The California Drought, Water, Parks, Climate, Coastal Protection and Outdoor for all Fund (Senate Bill 5, Proposition 68) authorized \$4 billion in general obligation bonds for state and local parks, environmental protection and restoration projects, water infrastructure projects, and flood protection projects. The Improve Groundwater Elevation and Quality Monitoring Network project will utilize \$19.9 million on data, tools, and analysis efforts for drought and groundwater investments to achieve regional sustainability in support of the Sustainable Groundwater Management Act (SGMA) over a period of five years.

How Does This Project Support SGMA?

This project provides groundwater sustainability agencies, related stakeholders, and the public with regional and statewide data, tools, and analysis aligned to the technical requirements of the groundwater sustainability plan (GSP) regulations and SGMA. The resulting information will provide standardized statewide data and reporting.

This project builds on the knowledge and successful track record of DWR's Regional and Statewide Integrated Water Management technical assistance programs and aligns with the Governor's Water Resilience Portfolio (Executive Order N-10-19) and the Open and Transparent Data Act (AB 1755). The information and knowledge gained through this project can assist local water agencies to successfully develop and implement GSPs.

What is the Value of this Information?

Improved groundwater elevation and quality monitoring supports GSAs, DACs, and related stakeholders by providing a new, near-real-time monitoring network that allows fast and reliable data to support GSP development, implementation, and evaluation, as well as groundwater recharge projects.

What is New in 2019?

- DWR executed two drilling contracts, totaling \$10 million in capacity for Statewide monitoring well construction.
- Installed 16 monitoring wells at five sites with an additional 27 monitoring wells at 21 sites currently in progress.
- Completed 15 downhole camera surveys.

What are the Next Steps?

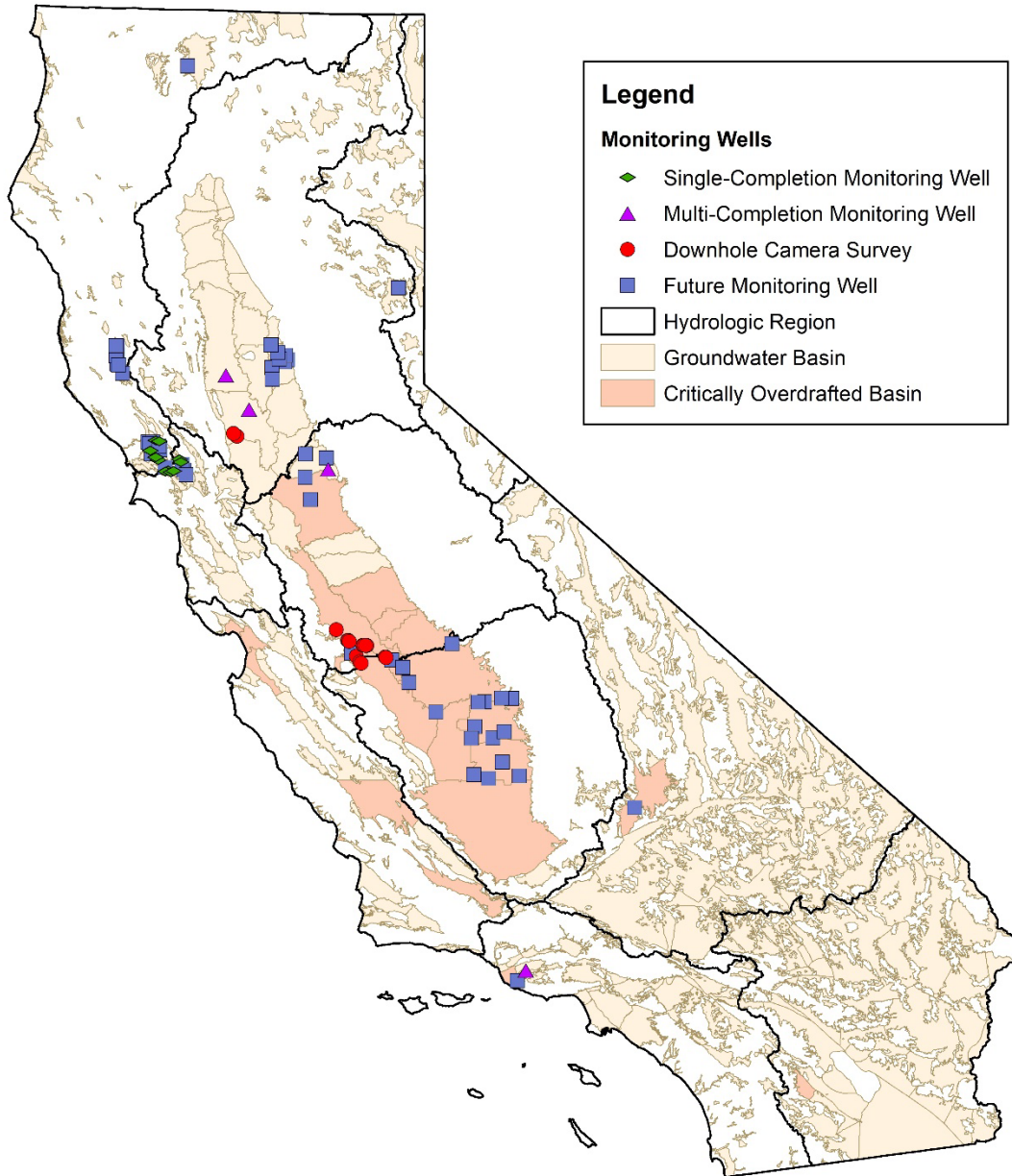
In 2020, DWR plans to continue the installation of monitoring wells and will provide downhole camera services in high- and medium-priority basins.

How Are Groundwater Elevation and Quality Monitored?

Monitoring wells are constructed for specific purposes to enable the collection of scientific information like the depth below the ground surface at which groundwater freely occurs. To measure this occurrence, one or more small-diameter pipes (usually plastic) are placed in drilled boreholes to depths of usually 100 feet, but sometimes up to 2,000

feet. DWR is constructing a series of these monitoring wells for GSAs at varying depths to monitor specific aquifers throughout California. Each monitoring well constructed by DWR will be instrumented to

automatically collect and store measurements for later retrieval and reporting, and will provide valuable information to characterize and manage groundwater resources better



Contact and Additional Information

For more information or questions, contact Jason Preece at Jason.Preece@water.ca.gov

DWR SGMA Data and Tools Webpage

www.water.ca.gov/Programs/Groundwater-Management/Data-and-Tools