

Groundwater Sustainability Plan Preparation for Fillmore Basin and Piru Basin

Ventura County, California

Client

Fillmore and Piru Basins Groundwater Sustainability Agency

Highlights

- ◆ Leveraging extensive historical water-level and water quality database
- ◆ Implementing robust stakeholder engagement program
- ◆ Working cooperatively on GSP development with UWCD
- ◆ Building upon past research and study on GDEs in basins

DBS&A is working with the Fillmore and Piru Basins Groundwater Sustainability Agency (FPBGSA) to produce a Groundwater Sustainability Plan (GSP) for each basin that will build on existing sustainable practices and effectively lay the groundwork for future groundwater management in the Fillmore and Piru Groundwater Basins in compliance with the Sustainable Groundwater Management Act (SGMA).



DBS&A's Project Manager, Tony Morgan, addressing the Board regarding SGMA compliance requisites

The DBS&A team of experts are using their exceptional knowledge of Fillmore and Piru Basin hydrogeology, hydrology, and ecosystems to help guide the FPBGSA through the SGMA compliance process. Joining DBS&A on the team, are the professionals from Stillwater Sciences providing expertise in groundwater dependent ecosystems (GDEs) and the Consensus and Collaboration Program at Sacramento State University handling the SGMA-required stakeholder engagement and outreach efforts. To aid in the project transparency and stakeholder engagement efforts, the team has constructed an online database that allows stakeholders, regulators, and any interested party to review the information (e.g., water levels, water level trends, water quality, vegetation mapping, disadvantaged communities, geology, faults) being analyzed during the GSP development process. The database can also be accessed using automated computer scripts; this provides a powerful set of tools for efficient data analysis, visualization, and reporting.

The DBS&A team is collaborating with United Water Conservation District (UWCD) on this project. UWCD committed to extending the Ventura County Regional Groundwater Flow Model into the Fillmore and Piru Basins and to use the model to assist with evaluating management options, future climate change, and the impacts of potential projects on the sustainable yield.