

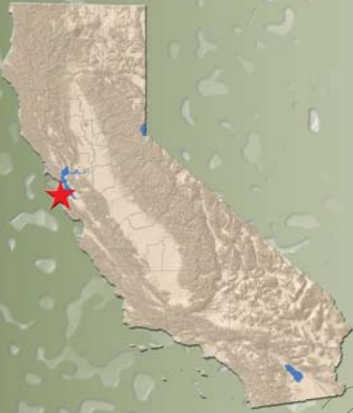
Montara

Water and Sanitary District

Drilling and Testing of Wells, Water Supply, and Planning
FY 2002-03

Grant Amount: \$175,169

Project Status: Complete



The Montara Water and Sanitary District (MWSD) in San Mateo County developed a basin plan to increase reliable groundwater supplies for current and future use. With LGA funds, MWSD: 1) established a network of four monitoring wells; 2) installed stream flow gauging equipment; 3) collected data to build a groundwater model and make comparisons to similar basin models;

4) conducted public outreach efforts; and 5) continued development of a GWMP.

Water supply in the unincorporated communities of Montara and Moss Beach is provided by MWSD, which relies on local groundwater supplies. The MWSD extracts about 60 % of its water from three wells located southwest of Highway 1, in the San Vicente, Deniston, and Half Moon Bay Airport Groundwater Subbasins. The remaining 40 % of the MWSD's water use is supplied from six wells and a surface water diversion in the Montara Creek watershed. The northernmost supply well has levels of nitrate that periodically exceed drinking water quality standards.

The MWSD installed and tested five wells in areas that were previously unexplored for groundwater production. One high-yield well location was identified. A successful five-day pumping test was conducted that yielded high quality groundwater. Mea-



Completed monitoring well

surements of yield, drawdown, water quality, and temperature indicate that this well draws upon a large volume of fracture rock within Montara Mountain. The well tests showed no evidence of hydrogeologic barriers or boundaries that might restrict the volume of yield from the well, and no potential to induce seawater intrusion. The reliability of this well will be established through its use over time. ☞



Monitoring well drilling in Coastal Range