

Supplemental Environmental Protection (SEP) Report Card		The Quail Valley Water Quality Improvement Project (QVWQIP)
Regional Water Board	Region 8 - Santa Ana	OUTCOMES: <input checked="" type="checkbox"/> Satisfactory <input type="checkbox"/> Unsatisfactory
Total Project Cost	\$175,800	
SEP Funding	\$175,800	
Approval Date	7/7/2014	
Project Category	Other (Capital Improvements)	

Summary

The Riverside County Flood Control District funded the Eastern Municipal Water District (EMWD) for the Quail Valley Water Quality Improvement Project (QVWQIP). The QVWQIP will provide sewer collection system necessary to connect the Quail Valley area, currently using septic systems, to EMWD's Perris Valley Regional Water Reclamation Facility. A small area of Quail Valley will be connected to EMWD's treatment facility. Failing septic systems in Quail Valley have resulted in polluted water surfacing in the community and into Canyon Lake, a potable water supply reservoir for Elsinore Valley Municipal Water District. Installation of the sewer system will eliminate the need for septic systems.

Most residents in Quail Valley use septic systems. During the heavy storm events in 2004 and 2005, the septic systems in the Quail Valley area were failing at an alarming rate. Approximately 37% of the Quail Valley area residences had sewage or grey water discharges to the ground surface during 2005. In general, these systems were failing due to: (1) high groundwater; (2) poor soil conditions; (3) shallow impermeable strata; and (4) poor maintenance of septic systems. The estimated cost of providing sewer service for the Quail Valley community was estimated to be \$89 million. The Regional Water Board, through enforcement settlements and SEPs, has provided approximately \$500,000 to EMWD for addressing the water quality problems stemming from the failing septic systems in Quail Valley. These SEP funds have remained in trust by EMWD to be used to defray residents' costs to connect to the sewer, once sewer service becomes available.

Location Map



Aerial Map of Quail Valley



Water Quality Outcomes

- As homes are converted from septic systems, the polluted water that currently ponds in the community or runs off into Canyon Lake will be eliminated; thereby, improving the water quality of Canyon Lake and Quail Valley and protecting the health and safety of the community.