

Attachment 9 Past Performance

Personnel

Joe Oliver PG, CHg, MPWMD Water Resources Division Manager,

Mr. Oliver presently oversees the implementation and design of MPWMDs ASR program. in the Seaside Basin. He has 33 years experience in the field of groundwater hydrology. He has previously worked for the U.S. Geological Survey, the Colorado Department of Natural Resources, and several private consulting firms specializing in water resources management throughout the Western U.S. He holds a bachelor's and master's degree in geology specializing in hydrogeology and is a California Registered Geologist and Certified Hydrogeologist. His expertise includes geochemistry, well technology, groundwater modeling, and water resources assessment. Mr. Oliver will act as a technical reviewer for this project.

Jonathan Lear PG, CHg, MPWMD Senior Hydrogeologist,

Mr. Lear presently oversees day to day operations, sampling, and environmental compliance of MPWMDs ASR program. He has 13 year experience in the field of groundwater hydrology. He has spent his career working for state water agencies planning, permitting, constructing, and operating conjunctive use water resources projects. Previously, he worked for the Pajaro Valley Water Management Agency where he was responsible for the operations of the Harkins Slough Recharge Project and operations of well fields acting as source water to the Coastal Distribution System. Mr. Lear will work as project lead and construction manager for this project. All submittals will go through him.

Mr. Lear specializes in surface water - groundwater interaction, recharge and aquifer storage and recovery, wetland (high water table) hydrology, ground-water resource assessment, ground-water modeling, design, construction, and rehabilitation of wells and the application of geophysical and aquifer testing methods to evaluate site-specific aquifer parameters. He has managed day-to-day operations of conjunctive use water resources projects and acted as the regulatory compliance officer for permits required for project operation. He has designed, permitted, and constructed rehabilitation projects to offset hydromodification and enhance aquatic habitat. He has completed studies using introduced, natural, and isotopic tracers to determine chemical reactions between differing water chemistries and interactions with aquifer matrix to assess the feasibility of injection wells, aquifer storage and recovery, and sources and fates of groundwater. He uses his experience with the regulatory processes and oversight agencies involved with California surface and ground-water resource planning (including public outreach) to fund and implement on-the-ground programs.

He is experienced in sediment load analysis, remote sensing, and field mapping of bank and bed stability factors. He has linked design and installation of long-term remote data collection monitoring networks with real-time GIS systems, and using these to apply advanced subsurface

exploration methods, such as ground penetrating radar, cone penetrometer, and seismic profiling. He has provided expert analysis and testimony in both hearings and litigation regarding hydrology, ground-water recharge, inter-basin ground-water flow, and source tracking of water.

Past Accomplishments

Beginning in the early 1990's, Mr. Oliver has been drilling exploratory bores into the Seaside Groundwater Basin to better understand its geologic structure. The current understanding of the Basin's structure is entirely derived from these bores due to the fact ancient sand dunes overlay the entire basin. The process of exploratory drilling has allowed MPWMD to better delineate the extent of the Santa Margarita Sandstone. Mr. Oliver has over 25 years experience with identifying cuttings from the Seaside Basin and interpretation of geophysical logs. Mr. Lear has over 13 years experience with drilling deep wells and 3 of those in the Seaside Basin.

Since the acceptance of CEQA documentation in 2006 for the ASR Program, MPWMD has installed three full-scale injection/extraction wells. MPWMD has obtained water rights and RWQCB permits and operated ASR projects for the past 4 water years.

Based on the level of expertise of the personnel involved and MPWMD's recent track record of conjunctive water project development, MPWMD is more than qualified to carry out work outlined in the scope of this application.