

PROJECT TITLE AND LOCATION:

Guadalupe Oil Field Technical Support, California Attorney Generals Office

BRIEF DESCRIPTION OF PROJECT:

Mr. Traylor managed the NRDA technical assessment of site conditions including impacts or former oil field operations (hydrocarbon releases) on groundwater and subsequent releases to surface water at the Guadalupe Oil Field for the Trustees of the State of California (Department of Fish and Game, Oil Spill Prevention and Response; Attorney General; and Regional Water Quality Control Board – Central Coast Region). Aspects of the assessment included evaluation of information and interpretation of site conditions based on review of previous work performed at the site. Field activities included spring and river surveys, coordination with sensitive biota habitat restricted areas (including the California Coastal Commission), coordination of activities with land owners and oil field operations, installation of groundwater monitoring wells in a multi-layer aquifer system, aquifer testing to evaluate horizontal and vertical groundwater flow, sampling of soils from soil boreholes and shallow hand auger holes, and sediment sampling as part of spring and river surveys. The data collected were incorporated into a multi-contaminant pathway evaluation of the site for support of NRDA requirements and development of a multi-layer three-dimensional regional groundwater flow and solute transport model of the Santa Maria Groundwater Basin. Approximately 28 separate LNAPL plumes containing as much as eight to 20 million gallons of LNAPL had been characterized for remediation. A settlement between the State and Unocal was announced on July 22, 1998 resulting in favor of the State and a settlement of \$43.8 million.