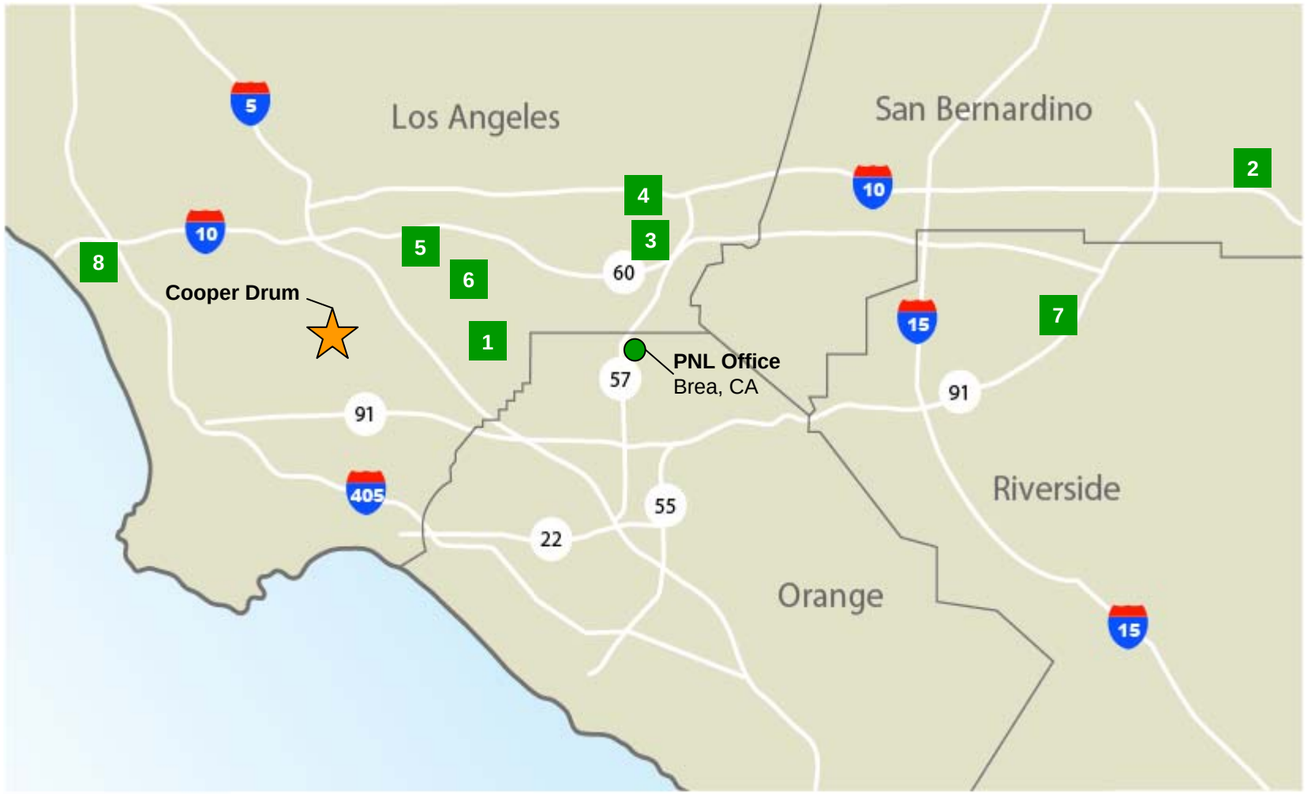
Project Navigator Ltd.’s Groundwater Experience in the Los Angeles Area

USEPA Experience · Groundwater Remedy Expertise · Multi-Party Superfund Sites · RD/RA Oversight · Cost Analysis · Compliance · Hydraulic Control · Site Conceptual Models · Data Interpretation



1 WDI Superfund Site, Santa Fe Springs, CA

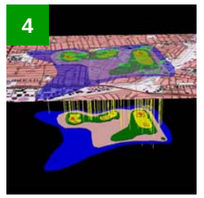
PNL is the Project Coordinator for the Waste Disposal Inc. PRP Group. OM&M activities include evaluation of groundwater quality including sampling and data interpretation. We have extensively reduced monitoring activities versus the original OM&M plan. PNL managed the preparation of the remedy design (plans, specifications and a design report). PNL conducted a cost evaluation of an evaporative (mono) soil cover vs. a GCL cover for the RCRA D areas of the site. An upgradient groundwater plume has migrated below the site requiring coordination with the parties associated with this plume which contains PCE and TCE.

2 Rialto Perchlorate Groundwater Contamination, Rialto, CA

PNL is currently evaluating groundwater perchlorate data in support of a landowner in the City of Rialto. The landowner’s property is downgradient of a former munitions bunker storage area. The work is being driven by a Santa Ana RWQCB Cleanup and Abatement Order. PNL work has included forensic evaluation of groundwater fate and transport based on a time-history of events and groundwater quality evaluations using an existing database. The results of our work demonstrate that the landowner’s actions could not have contributed to groundwater contamination.

3 South El Monte Operable Unit (SEMOU) of the San Gabriel Valley Superfund Site Drinking Water Aquifer Remedy, El Monte, CA

Project Navigator served as the cost allocation expert for the RPs and was asked to research the cost of design, installation, and operation of all of the remedial treatment systems installed by the water purveyors and EPA. In addition, PNL was asked to assist the RPs in developing a Good Faith Offer to be used in their negotiations with EPA.



4 El Monte Operable Unit (EMOU), El Monte, CA

Project Navigator was the PRPs' Global Project Coordinator from 2000 to 2003, until a group splintering eliminated the position. PNL participated in and facilitated most PRP meetings, especially providing input on the relative locations of the chlorinated solvents plumes. During our time on the project, we helped run PRP meetings, manage budgets, perform GIS analysis of the data, guide the EPC contractor and negotiate an RD/RA SOW with EPA.

5 Operating Industries, Inc. (OII), Monterey Park, CA

PNL was Project Manager for the oversight of the USEPA's work on the groundwater RI/FS preparation. During construction of the landfill cap remedy, PNL staff managed the entire response program for the PRPs. PNL has recently been working on the effects of landfill gas over groundwater and evaluating further groundwater management options.

6 Omega Superfund Site, Whittier, CA

PNL is the Project Coordinator for a PRP group that is investigating offsite impacts. Planning has involved groundwater sampling to determine the lateral extent of a 3000ft. long VOC plume. Conceptual engineering was performed to a evaluate the possibility of containing onsite impacts, and testing the effectiveness of an offsite MNA remedy.

7 El Sobrante Landfill, Riverside, CA

A PNL staff member managed work for Waste Management at the 4,000 tpd El Sobrante landfill in Riverside County, California. The groundwater related activities included ground water remediation and treatment system design and construction to remediate VOC contamination due to LFG migration; NPDES permitting; closure and postclosure cost estimate and plan preparation. The groundwater remediation planning efforts included a risk-based evaluation to determine VOC concentrations that could be allowed to attenuate naturally, and those requiring pump & treat.

8 Charnock Sub-basin, Santa Monica, CA

PNL provided group coordination and technical consulting at this MtBE Investigation and Groundwater Remediation program. In addition we provided administrative and strategic planning services to the Charnock Technical Advisory Group during groundwater monitoring and remedy selection activities.