

Qualifications Summary

- Over 20 years experience in the environmental field and most recently served as Oakland Field Operations Manager for Weston Solutions. Principle responsibilities include management, planning, research, vessel operation, health and safety and field investigation.
- Extensive experience in field studies including sampling, surveying and global positioning.
- Numerous field studies of water quality, marine, aquatic and wetland sediment quality, terrestrial site characterizations, remediation and dredged material disposal.
- Broad experience collecting, geologically profiling, and processing sediment and water samples to be analyzed for various chemical, physical, and toxicological parameters.
- Expertise in a wide range of field sampling methodologies, as well as experience in water quality analysis and field equipment maintenance.
- Supervised and conducted a wide variety of environmental field projects, including: numerous dredge material disposal studies; estuarine fish and benthic surveys; field operations involving specialized vibracoring techniques and sampling.

STEPHEN M. LAMOTHE

Fields of Competence

Field management, planning, research; research vessel operation, health and safety; marine and aquatic investigations; surveying and global positioning; water quality studies, marine and wetland sediment quality, terrestrial site investigations; dredged material disposal; storm water/natural water body investigations.

Education

B.A., Social Sciences (Urban Studies)—University of California, Berkeley (1993)

A.S., Forestry—Kings River College (1992)

Credentials

USCG OUPV Captains License
TWIC Certification Hour
40- HAZWOPER OSHA 29 CFR 1910.120
8-Hour HAZWOPER Refresher OSHA 29 CFR 1910.120
8-Hour Managers and Supervisors Course
Site Health & Safety Officer (Morrison Knudsen)
Site Safety representative training (Morrison Knudsen)
First Aid/CPR Training

Employment History

2004-2011	Weston Solutions, Inc.
2003-2004	MEC Analytical Systems
2002-2003	David Evans & Associates
2001-2002	West Contra Costa Unified School District
1998-2001	Kinnetic Laboratories, Inc.
1994-1998	Morrison Knudsen Corp.

Key Projects

Crescent City Harbor, Crescent City, CA. Field Project Manager for the collection of sediment samples using a vibracore for the completion of the emergency dredge material sediment characterization due to the effects of tsunami damage. Duties included field management, vessel operations, sampling and sample processing.

West Basin, Redondo Beach, CA. Supervised and conducted the collection of local fish species using an Otter Trawl deployed from the Leviathan research vessel for use in a hyper salinity study for a proposed desalination plant. The purpose of this study is to observe

Key Projects (Continued)

how high salinity environments affects the local organisms due to high salinity effluent discharged from the Desalination Plant. Duties included field management, vessel operations, trawling and delivering live organisms to the West Basin Lab.

Noyo Harbor, Fort Bragg, CA. Supervised the collection of sediment vibracore samples from within the Noyo Harbor Channel for the purpose of maintenance dredging. Duties included field management, vessel operations, sampling and sample processing.

USEPA Region 6. Hurricane Katrina/Rita Response, LA. As a START team member, conducted sediment and water quality sampling of sediment deposition and pumping stations throughout the southeast portion of Louisiana due to the effects of Hurricane Katrina and Hurricane Rita.

USEPA Region 6. Hurricane Gustav Response, LA. As a START team member, conducted field over-site for the recovery of hazardous tanks and debris deposited in wetlands and coastal areas due to the effects of Hurricane Gustav in South Central Louisiana.

Mare Island IWTP, Vallejo, CA. Field Project Manager for the collection of sediment samples using a vibracore for the completion of dredge material sediment characterization for the purpose dredging PCB contaminated sediment from the outfall within the San Pablo Bay. Duties included field management, vessel operations, sampling and sample processing.

Cal Maritime Academy, Vallejo, CA. Field Project Manager and construction over-site during phased dredging of the boat docks within the confines of the CMA. Duties included field management, client reporting, data reporting, vessel operations, depth verifications, and permit adherence.

Mountain House Waste Water Treatment Plant, Mountain House, CA. Supervised all field activities related to the collection and execution of Benthic Macroinvertebrate Surveys and sediment chemical profiles for the WWTP Diffuser Outfall on Old River. The purpose of this study was to provide baseline data for future assessments of potential impacts to the benthic invertebrate community within the project site resulting from the discharge of tertiary treated wastewater effluent from the a newly constructed multiport diffuser. Duties included field management, vessel operations, sampling and sample processing.

Port of Jacksonville, Jacksonville, FL. Field Project Manager for the collection of sediment samples using a vibracore for completion of dredge material sediment characterization for the purpose of channel reconfiguration. Duties included field management, sampling and sample processing.

EPA Region 6, BP Oil Spill, Cocodrie, LA. Conducted offshore water and sediment samples for the EPA to aid in monitoring the extent and movement of oil in the Gulf of Mexico. Duties included field management, sampling and sample processing.

Pena Blanca Lake, Nogales, AZ. Conducted vibracore sampling for the US Forest Service to aid in profiling the extent of Mercury contamination due to historical mining practices. Duties included field management, vessel operations, sampling and sample processing.

Navy Clean II, NAS Alameda, CA. Supervised all field activities related to the characterization of marine sediment including ecological assessment of wetland areas within the confines of this Naval Installation. Responsibilities included on-site supervisor of this field effort, assessing bid proposals, contract preparation, management of subcontractors and cost estimating.

Hylebos Waterway Sediment Sampling, WA. Field Project Manager for the collection of sediment samples using a vibracore for completion of the DMMP sediment characterization. Duties included field management, sampling and sample processing.

Port of Oakland 50 ft. Deepening Project, Oakland, CA. Managed the collection of water quality data during maintenance dredging of the Ship Turning Basin. Data was collected using buoy moored in-situ

Key Projects (Continued)

TSS data collectors and water sampling. Duties included field management, vessel operations, sampling and sample processing.

Oakland Harbor Channels Sediment Sampling, CA. Directed the collection of vibracore sediment samples using a for proposed channel deepening. Duties included field management, vessel operations, sampling and sample processing.

Sacramento Shipping Channel Maintenance Dredge Sampling, CA. Directed the collection of vibracore samples from within the Sacramento River Shipping Channel for the purpose of maintenance dredging. Duties included field management, vessel operations, sampling and sample processing.

Redwood City Harbor Channel Maintenance Dredge Sampling, CA. Directed the collection of sediment samples using gravity core, modified box corer, and vibracore from within the Redwood City Harbor Channel. Duties included field management, vessel operations, sampling and sample processing.

BAE Systems, San Francisco Ship Repair, Drydock #2, CA. Supervised the collection of sediment samples using a vibracore for proposed dredging. Duties included field management, vessel operations, sampling and sample processing.

Puget Sound, Anchor Environmental, WA. Assisted with the processing of sediment samples using a pneumatic vibracore for proposed maintenance dredging in Puget Sound. Duties included field management, assistance and sample processing.

San Pablo Bay, U.S. Army Corps of Engineers, San Francisco, CA. Managed the collection of sediment samples using a gravity core from within the shipping channel for proposed maintenance dredging. The samples were used for Tier I chemistry testing that would determine the dredge material suitability for in-bay disposal at the Alcatraz Dredge disposal site SF-11.

Point Richmond, U.S. Army Corps of Engineers, San Francisco, CA. Directed the collection of sediment samples using a piston corer, and drive corer for proposed dredging. Duties included field management, sampling and sample processing.

Corinthian Yacht Club, U.S. Army Corps of Engineers, San Francisco, CA. Directed the collection of sediment samples using a push corer for proposed dredging. Duties included field management, vessel operations, sampling and sample processing.

Kappas Marina, U.S. Army Corps of Engineers, San Francisco, CA. Managed the collection of sediment samples using a push corer for proposed dredging. Duties included field management, vessel operations, sampling and sample processing.

Port Sonoma Marina, U.S. Army Corps of Engineers, San Francisco, CA. Directed the collection of sediment samples using a push corer for proposed dredging. Duties included field management, vessel operations, sampling and sample processing.

Lowries Yacht Harbor, U.S. Army Corps of Engineers, San Francisco, CA. Directed the collection of sediment samples using a push corer for proposed dredging. Duties included field management, vessel operations, sampling and sample processing.

Richmond Inner Harbor sediment study, U.S. Army Corps of Engineers, San Francisco, CA. Directed the collection of sediment samples using a gravity core, modified box corer, and vibracore from within the Richmond Inner and Outer Harbor. The samples were used for Tier I chemistry testing that would determine the dredge material suitability for in-bay disposal at the Alcatraz Dredge disposal site SF-11.

Key Projects (Continued)

San Francisco Airport Extension Feasibility Study, San Francisco, CA. Conducted extensive vibracore tasks for the purpose of the possible extension of the San Francisco Airport into the San Francisco Bay. Duties included management, vibracore sampling, and sample processing.

Bolsa Chica Wetlands Study, Huntington Beach, CA. Supervised phased field activities related to and ecological risk assessment to aid in restoration planning for the Bolsa Chica Wetlands. Work included the use of specialized vibracoring techniques and sampling protocol including sediment/soil sampling, geotechnical core logging, sample processing, and water sampling.

Tosco Refinery, San Luis Obispo, CA. Conducted permit mandated benthic studies for the purpose of monitoring Tosco outfall discharge diffusers and their impact on benthic communities.

Coyote Creek Demonstration Project, CA. Served as field and technical supervisor for automated monitoring equipment installation and maintenance for the Coyote Creek Demonstration project. Configured and installed monitoring stations in Coyote Creek to provide information to assist in the evaluation of the applicability of specific storm water environmental indicators.

Caltrans Highway Lead Study Project, CA. Served as Task Order Manager and was responsible for supervising all field activities and including site selection and sampling protocols.

Caltrans Maintenance Yard Monitoring Program. As a field technician, assisted in the configuration and installation of automated storm water sampling systems and was involved in the operation, maintenance and troubleshooting of these systems.

Napa River Sediment Testing, U.S. Army Corps of Engineers, San Francisco, California. Managed field operations for the gathering of sediments using a push core and the subsequent evaluation of the dredge material to determine the suitability of in-bay disposal. Duties included field management, vessel operations, sampling and sample processing.

Richmond Outer Harbor Dredge Material Testing, U.S. Army Corps of Engineers, San Francisco District. Conducted field sampling and analysis of sediment material to determine its suitability for disposal at the Alcatraz dredge disposal site SF-11. During the field sampling phase of this project, managed the collection of vibracore samples at thirty locations from seven stations along the federally maintained entrance channel to the Port of Richmond. Duties included field management, vessel operations, sampling and sample processing.

Navy Clean II, NAS Alameda, CA. Supervised all field activities related to the characterization of marine sediment including ecological assessment of wetland areas within the confines of this Naval Installation. Responsibilities included on-site supervisor of this field effort, assessing bid proposals, contract preparation, and management of subcontractors, health and safety and cost estimating.

Navy Clean II, Mare Island Naval Shipyard, Mare Island, CA. Supervised all field activities related to the investigation of UST sites for the purpose of evaluating site hydrology, contaminant concentration and distribution, and to screen for the effectiveness of remedial options. Responsibilities included on-site supervisor of this field effort consisting of hydraulic push soil sampling, well installation, on-site health and safety, well development and water sampling, assessing bid proposals, contract preparation, management of subcontractors and cost estimating.

Cantara Bridge Mitigation, Upper Sacramento River, CA. Reviewed and consulted on the Wetlands/Riparian Habitat Mitigation and Monitoring Plan for a new bridge installation on the upper Sacramento River subsequent to train derailment and contaminant release into the river. Contributions include planting methods/species to be used, sources of planting materials, transplanting procedures, volunteer native vegetation and maintenance.

Key Projects (Continued)

FMC/United Defense Limited Partnership, San Jose, CA. Manage the operations and maintenance of an on-site groundwater extraction system and assisted in site investigation for the closure of this particular facility. Tasks included soil sampling of PCB and TPH contaminated soil, mapping of sampling locations and groundwater monitoring.

Uribe and Associates, Hunters Point and Port of Oakland, CA. Assisted in storm water investigation and sampling program at Hunters Point annex and the Port of Oakland.

Uribe and Associates, NASA Ames, CA. Assisted in a well installation, development and sampling program. Supervised the well development portion of this program.

United Heckathorn, Richmond, CA. Conducted density test for the Operational Design for dredging, material handling, and disposal of DDT contaminated marine sediment.

Hi-Yield Superfund Site, Commerce, TX. Litigation support of this arsenic contaminated Superfund Site. Also assisted on the work plan regarding the vegetation and irrigation applications on an engineered cover being constructed on the site. Responsibilities included on-site supervisor of a fence installation contract, on-site health and safety, assessing bid proposals, management of subcontractors, cost estimating assistance for the work plan, and conducting monthly site inspections.

Iron Mountain Mine, Redding, CA. Phase I investigation of acid mine drainage and metals loading into the Sacramento River. Analysis of water conditions in Boulder Creek and tributaries due to acid mine drainage and zinc and copper loading from historic mines on site. Contributions included drafting report, sampling, mapping, and data analysis.

Idaho National Engineering Lab (INEL). Contributed to the completion of the DOE sanctioned Waste Management Facilities Cost Information (WMFCI) study. Provided analysis and data input for the socioeconomic data package portion of the Programmatic Environmental Impact Statement (PEIS).