

Susan FitzGerald, L.G.

Consultant



Education and Credentials

M.S., Oceanography and Coastal Sciences, Louisiana State University, Baton Rouge, Louisiana, 1998

B.A., Geology, Mercyhurst College, Erie, Pennsylvania, 1991

Licensed Geologist, Washington (License No. 715)

Continuing Education and Training

Hazardous Waste Operations Supervisor 8-Hour Certification

Hazardous Waste Operations and Emergency Response 40-Hour Certification

Red Cross First Aid and CPR Training

Essentials for Facilitating Remote and Online Meetings Training Workshop

TerraSync for Mobile GIS Short Course

40-Hour Wetland Delineation Training Workshop

Professional Profile

Susan FitzGerald is a licensed geologist with 14 years of experience in the environmental field. Her professional experience has focused on task management for investigations of sediment, soil, groundwater, and surface water quality at sites being evaluated under the Washington State Sediment Management Standards, Washington State Dredged Material Management Program (DMMP), Washington State Model Toxics Control Act, and federal CERCLA regulations.

Relevant Experience

Dredge Material Sediment Characterizations, Washington—

Collaborated in the development of scopes of work, cost estimates, and sampling plans to characterize sediment in maintenance dredging areas at facilities on the Columbia River in Longview, Washington, and at marine terminals in Grays Harbor, Washington. Sampling and reporting procedures were in accordance with the DMMP Dredged Material Evaluation and Disposal Procedures (Users Manual). Procured and coordinated with sampling vessel subcontractor. Planned and led fieldwork, wrote project data reports, submitted project documents to the DMMP, tracked project budgets, and prepared invoices.

Slip 4 Early Action Area, Duwamish River, Seattle, Washington—

Conducted reviews of regulatory agency files and databases for information regarding the environmental history and status of properties bordering Slip 4 of the Duwamish River as part of the Summary of Existing Information effort. Coauthored the field sampling plan for the predesign sediment characterization, and collected surface and subsurface sediment and bank soil samples to characterize the study area for remedial boundary definition and to support remedial design development. Conducted post-removal action cap sampling. Assisted in the implementation of institutional controls for the early action area and prepared implementation reports to EPA. Led long-term monitoring visual survey fieldwork for the first three years of the long-term monitoring program. Served as project manager for years two (2014) and three (2015) of the long-term monitoring program; responsible for planning and overseeing field activities, compiling and synthesizing data, and preparing the annual monitoring reports to EPA.



Sediment Cap Thickness Evaluation, Eagle Harbor, Washington—Collaborated in Work Plan development, and led field and reporting efforts for the evaluation of sediment cap thickness in the Wyckoff/Eagle Harbor East Harbor Operable Unit using videoprobe, vibracore, and historical core data.

DMMP Disposal Site Monitoring, Elliott Bay, Washington—Collaborated in the development of the sampling and analysis plan and cost estimate for sediment evaluation portion of the 2013 partial monitoring event at the Elliott Bay DMMP disposal site. Led fieldwork and data reporting efforts.

Terminal 117 Early Action Area, Duwamish River, Seattle, Washington—Served as interim project manager for multi-party project; coordinated and led biweekly internal team meetings and weekly team meetings with project regulatory agencies. Coauthored and coordinated sediment and soil sampling plans and led field efforts to characterize contaminant concentrations in the Adjacent Streets and Stormwater portions of the Early Action Area and nearby residential properties. Trained field personnel on sampling procedures. Coordinated data management and quality assurance reviews, and coauthored project reports.

Identification of Contaminant Sources, Confidential Site, Seattle, Washington—Assisted in compilation of project database using Washington State Department of Ecology’s Environmental Information Management System database server. Evaluated data screening against Washington Sediment Management Standards criteria to identify potential sources to an industrial urban waterway.

Identification of Contaminant Sources, Confidential Site, Seattle, Washington—Conducted extensive reviews of regulatory agency files, historical data reports, geologic boring logs, and aerial photographs to identify potential sources of contamination along an industrial waterway. Synthesized data and site information, compiled stratigraphic cross sections from boring logs, and authored summary reports.

Deepwater Horizon Natural Resource Damage Assessment (NRDA), Gulf of Mexico—Worked in conjunction with the NRDA team responding to the Deepwater Horizon accident and oil spill in the Gulf of Mexico on behalf of BP Exploration & Production Inc. Provided support to the Deepwater Benthic Communities and Bottom Habitats technical working groups, and participated in the implementation of the cooperative NRDA seeps study. Provided support to the data management team in quality assurance review.

Portland Harbor CERCLA RI/FS, Portland, Oregon—Collaborated in the development of the Round 2 sediment field sampling plan. Led beach and subsurface sediment sampling efforts. Responsible for processing, description, and sampling of more than 200 sediment vibracores, as well as core lab operations and health and safety. Collected and described surface sediment grab samples. Participated in surface water sampling efforts. Compiled stratigraphic cross sections based on boring logs from various sources. Served as lead author of project sampling and data reports and portions of major project documents including contributions to the remedial investigation report.

Upper Columbia River RI/FS, Northeastern Washington—Responsible for project administrative activities including coordinating and tracking project tasks, maintaining project document library,



complying with project document retention requirements, and preparing monthly invoices. Authored sections of the draft RI/FS work plan and other project documents.

Groundwater Investigation and Interim Action Site, Seattle, Washington—Prepared scope of work and budget for groundwater investigation at a historical steam plant site. Wrote site historical review and data summary. Compiled screening values for site chemicals of concern to determine required analytical methods. Planned well placement and led field efforts to install, develop, and sample five shallow monitoring wells. Logged split spoon soil samples. Led field effort to characterize surface and subsurface soils before and after an interim action excavation. Trained field personnel on sampling procedures. Coauthored project reports.

Superfund Technical Assistance Response Team (START), USEPA Region 10—Performed CERCLA preliminary assessments and site inspections in Washington and Oregon at river sediment sites, mine sites, a pulp mill, and a hazardous waste landfill. Served as primary point of contact to USEPA Site Assessment Manager. Gathered and reviewed site regulatory histories, prepared and executed sampling plans, prepared and negotiated project budgets, coordinated site access, procured subcontractors, managed field team members, and monitored site health and safety practices. Prepared project reports and site Hazard Ranking System scores to determine site eligibility for inclusion on the National Priorities List.

Upper Columbia River/Lake Roosevelt Expanded Site Inspection, Northeastern Washington USEPA Region 10 START—Prepared and executed sampling plan on an accelerated schedule, coordinated and supervised the 6-week field efforts of dual sampling crews collecting sediment samples along the banks and beaches of the upper Columbia River and 115 tributaries. Coordinated the sampling event with federal agencies and tribal personnel. Accommodated frequent client-directed changes in scope during field effort. Managed project data, and authored the trip report.

Publications

(S. FitzGerald also published as S. Majersky.)

Cunningham, R.H.W., S. Majersky, and F. Jones. 1996. Compilation of the U.S. Army Corps of Engineers hydrosurveys and associated aerial photography of Atchafalaya Bay, LA. Proc. of the United States Intergraph Graphics Users Group Conference, New Orleans, LA.

Presentations/Posters

Browning, D., S. FitzGerald, B. Jaworski, H. Bottcher, and C. Barton. 2015. Evaluation of sediment cap conditions at the Wyckoff/Eagle Harbor East Harbor operable unit using a videoprobe system. Eighth International Conference on Remediation of Contaminated Sediments, New Orleans, LA.

FitzGerald, S., and E.C. Revelas. 2004. Lower Willamette river bed morphology. Poster presented at the 25th Annual Meeting of the Society of Environmental Toxicology and Chemistry (SETAC), Portland, OR. November.

