



SUZANNE VIEIRA

Staff Scientist

Suzanne Vieira, staff scientist at Confluence, is an ecologist and planner who works on freshwater and marine projects. She performs activities such as wetland delineations, stream and nearshore surveys, research and synthesis, mitigation monitoring, GIS analysis, and fish exclusion. She has contributed to environmental impact statements, biological assessments, mitigation plans, and critical areas reports. Suzanne is familiar with local, state, and federal environmental policies and regulations, and she routinely conducts regulatory research and prepares permit applications. With her exemplary attention to detail, Suzanne applies her versatile skills to develop products that suit diverse client needs.

Representative Projects

Mud Mountain Dam Fish Passage, U.S. Army Corps of Engineers, Buckley, WA. *Staff Scientist.* Conducted fish exclusion and removal from the upstream portion of the Mud Mountain Dam on the White River.

Permitting for Various Water Bodies, Puget Sound Restoration Fund, Skagit and Kitsap Counties, WA. *Staff Scientist.* Prepared Joint Aquatic Resource Permit Application (JARPA) documents and supporting attachments detailing property information, maps, and photo appendices, for the Fidalgo Bay and Sinclair Inlet oyster restoration projects.

Puget Sound Coastal Streams Prioritization along Railway Route, Washington Department of Fish and Wildlife, multiple locations, WA. *Staff Scientist.* Conducted culvert assessments along the coastal BNSF railway route on the eastern Puget Sound. Entered fieldwork data in an Excel spreadsheet and synthesized the data for further GIS analysis.

Critical Areas Monitoring, Alderwood Water and Wastewater District (AWWD), Lynnwood, WA. *Staff Scientist.* Performed mitigation monitoring to provide reporting on post-construction restoration of critical areas (e.g., stream, wetlands, and associated buffers) associated with AWWDD construction projects. Monitored two mitigation sites semi-annually to determine if they are meeting performance criteria as outlined in the mitigation plan. Monitoring includes plant counts, vegetation transects using the line intercept method, and photo documentation.

Mitigation Site Performance Monitoring, King County Department of Natural Resources and Parks, King County (various locations), WA. *Staff Biologist.* Performing quarterly maintenance monitoring and yearly compliance monitoring for six sites throughout King County. Conducting quarterly site inspections to ensure maintenance is occurring, and communicate observations with King County project manager via quarterly reports. Annual monitoring involves documenting site conditions and collecting transect data and plant counts to assess whether the



EDUCATION

B.S., Ecology and Environmental Studies,
University of California, Santa Barbara,
2014

Wetland Science and Management
Certificate, University of Washington,
2018

LICENSES

Pesticide Applicators License, Washington
State Department of Agriculture, #934127

EXPERTISE

Wetland Ecology and Delineation
Plant Identification
Stream and Shoreline Surveys
Critical Areas Studies
Mitigation Monitoring
Fish Barrier Assessment
Fish Exclusion
Protected Species Monitoring
Environmental Permitting/Regulatory
Compliance
GIS Analysis

ADDITIONAL TRAINING

Watershed Restoration Course, Washington
Conservation Corps, 2017
Culvert Assessment Training, Washington
Conservation Corps, 2017
ArcGIS Training, City of Redmond, 2017

AFFILIATIONS

Society of Wetland Scientists, Member
Northwest Association of Environmental
Professionals, Member



mitigation area is meeting performance standards. Assist with writing annual monitoring reports for submittal to permitting agencies.

Burley Lagoon Environmental Impact Statement (EIS), Taylor Shellfish, Purdy, WA. *Staff Biologist.* Assessed sediment samples for presence of benthic and epibenthic invertebrates. Supported EIS report creation by constructing photo appendixes and species lists.

Little Skookum Dike Repair, JJ Brenner Oyster Company, Olympia, WA. *Staff Scientist.* Created GIS map deliverables showing mapped bulkhead conditions and site photo points with a corresponding photo appendix.

19508 Fales Road Critical Areas Study, Nikolay Laverntiev, Snohomish, WA. *Staff Scientist.* Assisted senior biological staff with a follow-up site visit to correct property line assessments and determine additional on-site wetland mitigation planting areas. Conducted wetland delineation activities including assessing soils, vegetation, and hydrology.

1944 Journey's End Lane Wetlands Reconnaissance, Bernard Kaopuki, Camano Island, WA. *Staff Scientist.* Assisted a senior biologist with a reconnaissance site visit, including assessing soils, vegetation, and hydrology, to determine if wetlands are present on the parcel to inform development potential.

Tolt Access Road Wetland Delineation, Seattle Public Utilities, Unincorporated King County, WA. *Staff Scientist.* Wrote sections of the buffer mitigation plan that provide project setting and regulatory background information. Organized the overall document.

Port of Port Angeles Terminal 3 Biological Assessment (BA), Port of Port Angeles, Port Angeles, WA. *Staff Scientist.* Conducted endangered species research for species impacted by the project actions, and constructed the Endangered Species Act lists and species profiles for the BA.

Comparative Habitat Use of Estuarine Habitats with and Without Cultch-on-Longline Gear Present, NOAA Saltonstall-Kennedy Grant NA16NMF4270254, Humboldt County, CA. *Staff Scientist.* Providing fieldwork support to characterize associations of fish and invertebrates with and without aquaculture in eelgrass and mudflat habitat in Humboldt Bay, California. Field data collection included the setting-up and deployment of large-scale enclosures to isolate fish in habitats with and without aquaculture gear. Additional support included fish handling and species identification.

Wetland Delineation, Muckleshoot Indian Tribe, Auburn, WA. *Field Biologist.* Performed wetland reconnaissance and delineation to inform site development potential for the Tribe. Assisted senior biological staff in the field.

Blackman Lake Mitigation Monitoring, City of Snohomish, Snohomish, WA. *Field Biologist.* Conducted riparian mitigation planting site monitoring to ensure compliance with yearly performance standards.

Wetland Delineation, Swinomish Indian Tribal Community, La Conner, WA. *Field Biologist.* Performed wetland reconnaissance and delineation to inform site development potential for the Tribe. Assisted senior biological staff in the field

Mukilteo Ferry Terminal Replacement Project, Washington State Ferries, Mukilteo, WA. *Lead Protected Species Monitor.* Conducted marine mammal and seabird monitoring for the in-water and nearshore pile-driving construction. Recorded incidental harassment take per the Marine Mammal Protection Act and Endangered Species Act guidelines, which include stopping in-water work when listed species are found to be present.