



## JENNY LOVE

*Project Biologist III*

Jenny Love is an environmental scientist with 17 years of diverse experience in environmental assessment, habitat restoration project planning and design, and stormwater permitting and compliance. She has participated in planning, design, permitting, construction, and monitoring phases of ecological restoration projects in wetland, stream, and upland forested habitat areas in the Pacific Northwest and other parts of the United States. She evaluates such projects using decision matrix analyses, cost-benefit rankings, and other techniques involving criteria such as ecological significance, feasibility, cost, and social benefit. Jenny's work includes developing vegetation assessment and management plans, conducting bird and other wildlife surveys, and collecting other types of data in association with habitat restoration monitoring and environmental assessment projects. Jenny evaluates environmental permitting requirements for shoreline, wetland, and upland projects, and she develops State Environmental Policy Act (SEPA) checklists, Joint Aquatic Resource Permit Applications (JARPAs), biological assessments, and wetland assessment reports.

### Representative Projects

**Karileen Restoration Project, Federal Way, WA.** *Environmental Scientist.* For 14 years, Jenny was involved in the planning, permitting, implementation, and monitoring phases of a stream and wetland restoration project on the west branch of Hylebos Creek. She helped develop the biological assessment, wetland delineation, and monitoring work plan reports during the planning phase of the project. Jenny also contributed to the permitting process and worked with representatives from various regulatory agencies to address their comments on elements of the proposed project plan. During the construction phase, Jenny provided construction coordination and oversight documentation, working with project engineers and construction crew to ensure that the project was built per the engineering drawings and that permit requirements were met. She assisted with fish exclusion, moving, and identification during in-stream work, as well as with permit-required water quality monitoring. Jenny managed the project throughout its 10-year monitoring period—authoring the required monitoring reports, planning adaptive management strategies, and working with the federal, state, local, and tribal agency representatives comprising the Trustees—to ensure that project requirements were being met. In 2020, at the completion of post-construction monitoring, the project was approved by the Trustees as having met its restoration goals and monitoring requirements.

**Edmonds Marsh Baseline Ecological Assessment, City of Edmonds City Council, Edmonds, WA.** *Project Manager.* Jenny managed implementation of a year-long baseline wetland monitoring study to gather data on the water quality, vegetation, soil/sediment characteristics, invertebrate populations, and wildlife use of a marsh located within an urban area. The Edmonds Marsh contains both tidal and freshwater marsh habitats, as well as a tributary stream and riparian habitat. Data collected during the baseline monitoring study were used to evaluate the ecological functions currently being performed by the marsh and stream, and to provide valuable



#### EDUCATION

M.S., Environmental Horticulture and Certificate in Restoration Ecology, University of Washington, 2011  
B.S., Environmental Science, Western Washington University, 2003

#### EXPERTISE

Ecological Assessment  
Habitat Restoration Design  
Environmental Documentation  
Environmental Permitting  
Stormwater Permitting  
State Environmental Policy Act  
Multimedia Sampling

#### CERTIFICATIONS

HAZWOPER – renewal in process

#### ADDITIONAL TRAINING

Western Washington Wetland Rating Course, Coastal Training Program, 2021  
How to Determine the Ordinary High Water Mark, Coastal Training Program, Washington, 2013  
Wetland Mitigation, Construction, and Installation Course, Portland State University Wetland, River and Watershed Professional Development Program, 2008  
Wetland Delineation Course, University of Washington Extension School, 2006



information regarding habitat restoration approaches that could be implemented to provide ecological lift within the system. The functions of wetland and riparian buffers were reviewed and reported, along with recommended buffer widths for the provision of various ecological functions. In addition, the Habitat Equivalency Analysis model was employed to help assess the ecological value of a restoration project planned for the marsh and its tributary stream. Jenny led the development of the baseline monitoring plan and final monitoring report, provided presentations at City Council meetings, met with various stakeholders throughout the course of the project, and presented at a public open house at the end of the project.

**Wetland Mitigation Habitat Monitoring, Everett, WA. *Project Manager.*** Jenny managed a wetland monitoring project for an industrial client on Smith Island in Everett, Washington. The project required establishing vegetation monitoring transects throughout restored wetland and vegetated buffer areas, installing shallow wells and water level loggers to measure groundwater levels within the wetland, developing photo station monitoring, and recording wildlife observations. Jenny led the field efforts and report writing for this project, and submitted the completed monitoring report to the U.S. Army Corps of Engineers and Washington State Department of Ecology for approval.

**Stream Restoration Design for Loup Loup Creek, Okanogan Conservation District (OCD) and the Confederated Tribes of the Colville Reservation (Colville Tribes), Malott, WA. *Environmental Scientist.*** Jenny provided stream restoration design support services for a project on Loup Loup Creek. She contributed input on the habitat needs of steelhead trout, the focus species for the project, and worked closely with OCD and Colville Tribe biologists to develop a riparian planting plan that was appropriate to the site, and that would integrate with the existing native vegetation in the riparian corridor. Jenny also supported development of the design plan set by coordinating between the project engineer and the AutoCAD drafter, and by providing the layout for the planting zones and specifications related to plant installation and invasive plant management methods.

**Fish Passage Improvement Project Portfolio, Confidential Client, Maine. *Project Manager.*** Jenny led the effort to develop a portfolio of potential fish passage restoration projects for a confidential client. The target species for this project was American eel, which spawn in the ocean and then migrate into coastal streams and rivers. Jenny worked with GIS specialists to develop an interactive ArcGIS Online map to identify potential fish passage improvements projects, such as the removal or replacement of culverts and small dams. She researched the specific habitat requirements of American eel related to their ability to pass barriers, as well as eel passage improvements being implemented both locally and internationally, in order to make recommendations on potential projects. The project portfolio also considered the geographic locations of the potential passage improvements projects, in order to estimate how much upstream habitat each could make accessible, and how the candidate projects would link to other intact habitat areas or habitat improvement projects. The interactive map was used during client meetings to help support project prioritization decisions.

**Stormwater Quality Support Services, Tukwila, WA. *Environmental Scientist.*** For 12 years, Jenny helped an industrial client comply with its National Pollutant Discharge Elimination System (NPDES) Industrial Stormwater General Permit (ISGP) at a site along the Duwamish River. Jenny developed and routinely updated the site's stormwater pollution prevention plan (SWPPP) in order to maintain compliance with changing permit conditions, reflect upgrades in best management practices (BMPs), and describe changes in site conditions. She helped train the facility's on-site stormwater coordinator to conduct stormwater inspections and implement BMPs to protect stormwater quality, and she developed and delivered annual employee training presentations, as required by the NPDES ISGP, to help familiarize additional staff with permit requirements and SWPPP practices. Jenny also performed storm drain structure (i.e., catch basin, manhole, and drainage line) measurements, mapping, inspections, cleaning oversight, and associated reporting for these efforts. She assisted with routine cleaning and maintenance of the stormwater treatment systems (filter vaults and Vortech® chambers) and conducted routine stormwater sampling. She prepared discharge monitoring reports and annual reports for submittal to the Washington State Department of Ecology. When sampling results exceeded benchmark values, Jenny helped identify BMP upgrades that could be implemented as Level One and Level Two responses. She also conducted monthly site inspections and general record-keeping requirements under the ISGP.