



EDUCATION

M.S., Environmental Horticulture and Urban Forestry, University of Washington, 2004

B.S., Ecology and Field Botany, The Evergreen State College, 1994

Professional Short Courses:

- Wetland Rating System for Western Washington
- Oregon Rapid Wetland Assessment Protocol (ORWAP) Training
- DSL Guidelines for Mitigation Monitoring Training
- Using the Field Indicators for Hydric Soils Training

PROFESSIONAL REGISTRATIONS & MEMBERSHIPS

Society for Ecological Restoration

Society of Wetland Scientists, Pacific Northwest Chapter

Native Plant Society of Oregon

EXPERIENCE

Senior Wetland Ecologist and Plant Biologist, Cascade Environmental Group, LLC, Portland, Oregon, May 2011 – Present

Senior Wetland Ecologist and Plant Biologist, ICF/Jones & Stokes, Portland, Oregon, January 2006 – May 2011

Restoration and Wetland Ecologist, Restoration Logistics, Seattle, Washington, June 2004 – January 2006

Research and Teaching Assistant, Center for Urban Horticulture/College of Forest Resources, Seattle, Washington, September 2001 – June 2004

QUALIFICATIONS

Ms. Tammy Stout is a Senior Wetland Biologist with Cascade Environmental Group, LLC, and is responsible for overseeing technical studies and providing project management support. Tammy has over 15 years of experience conducting ecological studies in western and eastern Oregon and Washington. Tammy brings extensive experience serving as the Project Manager for projects dealing with aquatic resources, functions assessment, monitoring, and mitigation for wetland and restoration projects. She has conducted several wetland and botanical studies for the U.S. Bureau of Reclamation, Chelan County Department of Natural Resources, and the Bonneville Power Administration for salmon recovery projects in the Entiat, Wenatchee, and Grande Ronde subbasins in eastern Washington and Oregon. She has assisted with the development of wetland mitigation and restoration plans for many other private entities throughout Washington and Oregon. Tammy has work experience in a broad range of ecological settings, including estuarine, mid-elevation mountains, deserts of eastern Washington and Oregon, the Puget Lowlands, and throughout the Willamette Valley.

Tammy's specific expertise includes wetland delineation and functional assessments, rare plant surveys, restoration and mitigation project management, site design, document preparation, permitting, restoration implementation oversight, monitoring, and compliance assessments. She is experienced in using both the *Regional Supplement to the USACE Wetland Delineation Manual: Arid West Region* (Version 2.0) and the *Regional Supplement to the USACE Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region* (Version 2.0) for delineations. She also has functional assessment and rating system experience with the Eastern Washington Wetland Rating System, Western Washington Wetland Rating System, Washington State Wetland Function Assessment Method (WFAM), and the Oregon Rapid Wetland Assessment Protocol (ORWAP). Additionally, Tammy has strong skills in technical writing, field coordination, data management, and data analysis.

SELECTED PROJECTS

Chehalis Basin Mitigation Bank - Womble Carlyle Ecology Innovations, LLC, Lewis County, Washington

Wetland Ecologist. Tammy worked on a multi-disciplinary team to assist with the wetland delineation, wetland restoration design, baseline condition studies, and preparation of the Mitigation Bank Instrument and supporting technical documents.

Wallooskee-Youngs Confluence Restoration Project - Cowlitz Indian Tribe, Astoria, Oregon

Wetland Ecologist. Tammy is working with an interdisciplinary team to design this 165 acre tidal wetland restoration project on the lower Columbia River. Project elements include extensive tidal channel design and levee breaching along the Youngs and Wallooskee rivers to restore tidally flooded estuarine habitat for native fish species. Tammy completed the wetland delineation and reporting and is assisting with the permitting.



Big Hanaford Creek Design, Construction Observation, and Monitoring - TransAlta Centralia Mining, LLC, Centralia, Washington

Field Lead and Wetland Ecologist. Tammy assisted with site planning, site preparations, inspection of nursery stock, coordination with contractors, invasive species management, plant installation layout, and installation QA/QC. She helped develop the monitoring plan and conduct plant survival monitoring, and she is responsible for all statistical analyses and reporting for this 150-acre wetland and stream restoration project. She currently assists the client with permit compliance tasks and adaptive management activities such as replanting and coordinating with the agencies or contractors.

Kirtland to Avenue G Road Realignment Project - Jackson County Roads Department, White City, Oregon

Lead Wetland Ecologist. Tammy completed the wetland delineation field studies and wrote the wetland report for this county-led road project in southern Oregon. She wrote the mitigation plan and completed the Joint Permit Application (JPA) and assisted the client with the regulatory process.

Deschutes River and Riparian Area Ecological Assessment - Trust for Public Lands, Bend, Oregon

Wetland Ecologist. Tammy conducted a wetland and botanical ecological assessment for a property adjacent to the upper Deschutes River. This assessment analyzed current riparian, wetland, and aquatic ecological functions and provided recommendations on restoration actions to improve habitat values.

Nason Creek, Lower White Pine Habitat Recovery Project - U.S. Bureau of Reclamation, Leavenworth, Washington

Lead Wetland Ecologist. Tammy completed the ecological assessment for this large side channel reconnection stream restoration project adjacent to Nason Creek. The assessment analyzed current riparian conditions, wetland extent, and aquatic ecological functions, and provided recommendations on restoration actions relative to the wetlands.

Wenatchee River Channel Reconnection Project - Chelan County Department of Natural Resources, Leavenworth, Washington

Lead Wetland Ecologist. Tammy completed the wetland delineation studies and subsequent wetland report for this channel reconnection river restoration project on the Wenatchee River. She assisted with the design planning and Joint Aquatic Resource Permit Application (JARPA).

Tyee Reach and Preston Reach, Salmon Habitat Recovery Project - U.S. Bureau of Reclamation, Entiat, Washington

Lead Wetland Ecologist. Tammy completed the wetland delineations, functional assessments, impact analyses, and GIS tasks on a large parcel adjacent to the Entiat River for fish habitat improvement projects (levee removal) and assisted with the JARPA process.

Rivergate Wetland Mitigation Sites, Years 2–5 Monitoring - Port of Portland, Portland, Oregon

Botanical Lead and Wetland Ecologist. Tammy implemented the vegetation sampling protocols and monitoring procedures used for the Ramsey Lake Enhancement Area/Visual Buffer and the 40-Mile Loop Trail Mitigation Site/Levee Repair Area as required by the terms and conditions of the Rivergate Consent Decree with the Corps, the DSL permit, and their permit with the City of Portland Bureau of Development Services. Tammy provided assistance with the collection of photographic documentation, vegetative data, and hydrologic information, as well as subsequent yearly reporting for the Year 2 through Year 5 monitoring of the Port's mitigation sites.

Randall Wetland Mitigation Site, Years 4–5 Monitoring - Port of Portland, Portland, Oregon

Botanical Lead and Wetland Ecologist. Tammy conducted the wetland mitigation monitoring and assisted with the associated annual monitoring reports for Port of Portland's Randall Wetland Mitigation Sites during the period of 2004 to 2009. Annual monitoring of these sites is required by the Port's Corps Section 404 Permit and their DSL Removal-Fill Permit. Tammy assisted with the monitoring and reporting for the Randall Compensatory Wetland Mitigation Sites including the collection of photographic documentation, vegetative data, and hydrologic information, and subsequent yearly reporting.

Coffin Butte Landfill Mitigation - Valley Landfills, Inc., Corvallis, Oregon

Project Manager. Tammy conducted annual monitoring for federally-listed threatened Nelson's checkermallow (*Sidalcea nelsoniana*) at the Coffin Butte Landfill. She assisted with development of the planting plan for the Landfill's 18-acre wetland enhancement site, assisted with oversight during the construction and planting installation, and provided annual mitigation compliance monitoring. Tammy managed all aspects of the permit compliance including monitoring, reporting, and agency coordination.