



CALVIN KELLY DOUGLAS

Senior Ecologist

Calvin Douglas has 25 years of experience as a natural resource scientist and permit specialist, including extensive work in construction management and environmental monitoring and compliance. Calvin has a thorough understanding of local, state, and federal government regulations; permitting; and regulatory compliance issues. He applies his strong biology skills to create scientifically sound State Environmental Policy Act (SEPA) and National Environmental Policy Act (NEPA) documentation on transportation and infrastructure projects. Calvin has worked in all phases of project planning and permitting, field implementation, and construction inspection and management. He has performed numerous wetland, stream, and wildlife surveys in urban, rural, and undeveloped parts of the greater Puget Sound region, and prepared associated reports and permits documenting existing conditions, identifying project impacts, and developing mitigation options to offset those impacts.

Representative Projects

Clinton Passenger-Only Ferry Dock Replacement Project, Port of South Whidbey, Clinton, WA. *Lead Ecologist.* Calvin is performing the Endangered Species Act analysis and preparing the biological assessment for this passenger ferry dock replacement project on the shoreline of Whidbey Island in the community of Clinton, Island County, Washington. The new dock floats will be compatible with future passenger-only ferry service.

State Route (SR) 16 Park-and-Ride Design Project, Kitsap Transit, Port Orchard, WA. *Lead Ecologist.* Calvin conducted field surveys to delineate wetlands and stream ordinary high water marks (OHWM) and assess terrestrial and aquatic habitat conditions for this project to provide commuters with additional park-and-ride options in Kitsap County.

Fairfax Forest Reserve Road East Maintenance, Pierce County Public Works, Pierce County, WA. *Lead Ecologist.* The project included installing new and replacement culverts, resurfacing, and installing new guardrails along a 2-mile stretch of Fairfax Forest Reserve Road located on National Parks Service and U.S. Forest Service land at the entrance to the Mount Rainier National Forest. The project also included repairs to the Tolmie Creek Bridge. As the lead wetland, stream, and habitat biologist, Calvin conducted field surveys to delineate wetlands and stream OHWMs and assess terrestrial and aquatic habitat conditions. Calvin authored the Wetland and OHWM Delineation Report and the habitat assessment report.

Port Gamble Bay Cleanup Project, Pope Resources, Port Gamble, WA. *Lead Ecologist.* Calvin performed construction management and environmental monitoring for this cleanup project that included the largest pile removal effort in Puget Sound of more than 5,000 piles. He performed construction management during in-water construction activities (pile removal, structure demolition, and bank and intertidal excavation) and environmental monitoring, including water quality monitoring.

Icicle Strategy Programmatic SEPA Environmental Impact Statement (EIS), Chelan County Natural Resources Department and Washington State Department of Ecology (Ecology), Chelan County, WA. *Lead Ecologist.* Calvin performed natural resource field investigations in the Alpine Lakes study area for wildlife, threatened and endangered species, streams, and wetlands. The field investigation included habitat mapping; documenting and characterizing vegetation communities and wetland, stream, and upland habitats; and wildlife presence. Results of the survey informed the Programmatic SEPA EIS, of which Calvin was primary author for these natural resource-related chapters.

Pier 62 Rebuild and Habitat Improvements and Elliott Bay Seawall, City of Seattle



EDUCATION

B.S., Wildlife Biology, University of Washington, 1996
B.A., Political Science, University of Washington, 1996

EXPERTISE – NEED CALVIN INPUT

ESA Section 7 and Section 10
NEPA/SEPA Documentation
Fish Biology and Habitat
Environmental Planning and Permitting
Wetland and Stream Studies
Ecological Assessment
Habitat Restoration
Culvert Analysis

CERTIFICATIONS

Certified Erosion and Sediment Control Lead (CESCL), CWT Training Academy February 2021
Qualified Senior Writer for Biological Assessment, WSDOT, through 2024
Electrofishing Certification, Smith-Root, August 2021
Pierce County Certified Wetland Scientist and Wildlife Biologist
40-hour Hazardous Waste Operations and Emergency Response (HAZWOPER)
8-hour HAZWOPER Supervisor Training
First Aid Certification, ProTrainings February 2022

AFFILIATIONS

Society for Wetland Scientists
Wildlife Society



Department of Transportation, Seattle, WA. *Lead Ecologist.* Calvin provided biological monitoring and on-site construction compliance oversight for pier demolition and reconstruction and the replacement of the 7,000-foot-long seawall. Project components included pile and sheet-pile removal and installation and seawall and pier construction. He managed marine mammal monitoring, seawall invertebrate and marine vegetation monitoring surveys, water quality sampling, and associated reporting to state and federal agencies. His marine mammal monitoring responsibilities included 5 in-water work seasons of training monitoring staff, overseeing the monitoring staff, and preparation of the monitoring reports.

SR 509 Completion Project, Washington State Department of Transportation (WSDOT), King County, WA. *Lead Ecologist.* Calvin was a field team lead for the natural resource delineations and the in-field verification of existing conditions for the first phase of the project from I-5 to SR 99. Calvin worked with WSDOT biologists and planners to meet permit application requirements and timelines. He provided review of permitting documents and addressed comments from WSDOT and the design team.

East Link Light Rail, Sound Transit, Bellevue, WA. *Lead Ecologist.* Calvin led environmental field teams to assess streams and wetlands within the proposed Link Light Rail corridor from the eastern shoreline of Lake Washington to the project terminus at the Overlake Transit Center. Work included conducting wetland, stream, and jurisdictional ditch delineations and upland habitat surveys; preparing a critical areas technical report; and working with project engineers and planners to design and propose mitigation measures for measures to address stormwater treatment and potential impacts to streams and wetlands. He also conducted tree surveys within the length of the project.

North Sequim Creek Fish Habitat Investigation Project, CalPortland, DuPont, WA. *Lead Ecologist.* Calvin prepared natural resource discipline reports and sections of the EIS and served as lead ecologist for monitoring associated with mitigation for the expansion of a sand and gravel mine operation. He established transects and sample plots along a stream system for data collection and performed monitoring of associated riparian, freshwater wetland, and estuarine wetland habitats. Data collection for preparation of annual monitoring reports included identifying the presence and density of all vegetation species within the sampling locations so changes in the habitats can be documented during the course of the project.

West Bay Park, Olympia Parks, Arts & Recreation, Thurston County, WA. *Lead Ecologist.* Calvin led the natural resources assessment associated with the proposed improvement of an approximately 17-acre City of Olympia park located along the marine shoreline of Budd Inlet in Puget Sound. Work included identifying and assessing estuarine and freshwater wetlands, the OHWM of the marine shoreline, streams, and drainage channels; and upland habitat communities.

Chehalis River Basin Flood Damage Reduction Project, Washington State Department of Ecology, Lewis, Thurston, and Grays Harbor Counties, WA. *Lead Ecologist.* Calvin performed natural resource field investigations related to a proposal to install a flood retention facility and improve a levee within the upper Chehalis River Basin. The field investigations included habitat mapping; documenting and characterizing vegetation communities and wetland, stream, and upland habitats; and wildlife surveys for amphibians, birds, reptiles, and mammals. Based on these investigations, Calvin prepared the wetland, stream, wildlife, and threatened and endangered species discipline reports and EIS sections. Development of the EIS included coordination with Ecology and Washington Department of Fish and Wildlife (WDFW) to develop the EIS analysis methodology approach and confirm the results of the EIS analysis. Field investigations were performed with the U.S. Army Corps of Engineers, Ecology, WDFW, and Lewis County to assess wetland and stream locations.

NPDES Bioassessment Monitoring, Hecla Lucky Friday Mine, Mullan, ID. *Lead Ecologist.* Calvin performed biological monitoring for this project located at the South Fork Coeur d'Alene River. Biological monitoring included benthic macroinvertebrate collection; vegetation and stream monitoring per Idaho Department of Environmental Quality protocols (i.e., flow, Wolman pebble counts, and general characterization); water quality data collection; and fish identification, health, and assessment via electrofishing.

Pilchuck Dam Fish Exclusion, Tulalip Tribes, Whatcom County, WA. *Lead Ecologist.* Calvin performed fish removal and exclusion for this Tulalip Tribe and Snohomish County dam removal project located on the Pilchuck River near Granite Falls. Activities included installing block nets prior to the start of in-water work to exclude fish from the work area. Biological activities included fish identification, measurement, health, and assessment via electrofishing.

Hood Canal Passenger-Only Ferry Terminals Project, Washington State Department of Transportation, Lofall, Kitsap County, WA. *Lead Ecologist.* Calvin performed an eelgrass and biological community survey in the nearshore habitat of Hood Canal at the community club dock in Lofall, Washington, where WSDOT proposed to operate a passenger-only ferry during the Hood Canal Bridge closure.

Master Plan Update, King County International Airport, Seattle, WA. *Lead Ecologist.* Calvin prepared the technical reports and SEPA Checklist for an update to the King County International Airport (Boeing Field) Master Plan update. The analysis included addressing potential impacts associated with more than 20 projects in 5-year phases. Calvin also participated in agency meetings for the project.