



AMY GROESBECK

Project Biologist

Amy has specialized in nearshore applied ecology since 2010. She conducts a variety of fisheries projects, with a focus on natural resource management of coastal environments, particularly shellfish. Amy works on projects involving federal, state, and local regulations, including the Endangered Species Act (ESA), National Environmental Policy Act (NEPA), Marine Mammal Protection Act (MMPA), and Magnuson-Stevens Fishery Conservation and Management Act (MSA). Her early career focused on research, and she has coordinated with local, state, and federal agencies to develop and complete research investigations in Washington state and British Columbia. She has led scientific research collaborations involving communities, Tribes, agencies, and academia covering such topics as fisheries population assessments, commercial fisheries, predator/prey dynamics, and invasive species. She has also developed short- and long-term environmental monitoring plans for songbirds, shellfish, and water quality.

Representative Projects

Coastal Streams and Embayments Prioritization along Puget Sound Shores with a Railroad, Washington Department of Fish and Wildlife Puget Sound National Estuary Program, Blaine to Olympia, WA. *Senior Biologist.* This grant-funded project is to develop a prioritization framework for evaluating coastal embayments and streams along 125 miles of railroad-impacted shoreline between Blaine and Olympia, Washington. The project will consider local and regional restorations goals, and improve the ability of the funders to evaluate the benefits among restoration projects, as well as inform mitigation planning along the railroad. Conducted survey of culverts and in-field assessment of culvert conditions and adjacent habitat.

South Fork Wind Farm (SFWF) Environmental Impact Statement (EIS), Deepwater Wind South Fork, LLC, Outer Continental Shelf Offshore of Rhode Island and Massachusetts. *Project Biologist.* The proposed wind energy project would construct 15 wind turbines on Bureau of Ocean Energy Management land leased by Deepwater Wind. Work involves preparing a NEPA EIS for a proposed Construction and Operations Plan for the SFWF. The analysis describes existing benthic habitat, Essential Fish Habitat (EFH), invertebrates, and finfish near the proposed project, as well as the direct, indirect, and cumulative effects of the project on these species, habitat, and their associated physical, chemical, and biological properties that are important to species survival. Amy provided support for the Sea Turtles resource section of the NEPA EIS. Currently revising the benthic habitat, EFH, invertebrates, and finfish resource sections. Also revising the EFH analysis that was prepared for the MSA consultation. Project activities analyzed include underwater construction noise, water



EDUCATION

M.S., Coastal Resource Management, Simon Fraser University, Burnaby, British Columbia, 2013
B.S., Biology (Ecology & Evolution), University of Washington, 2006

CERTIFICATIONS

Open-Water SCUBA Diver, PADI, November 2014–present
Washington Boater Education Card

EXPERTISE

Coastal Ecology
Interdisciplinary Research Collaborations
Fish and Invertebrate Biology
Coastal Ecosystems Field Sampling
Biological Laboratory Processing
Water Quality Testing
Quantitative Analysis
GIS Mapping
Grant Writing

ADDITIONAL TRAINING

How to Conduct Forage Fish Surveys, Coastal Training Program Washington, Washington State Department of Ecology, September 2020

AFFILIATIONS

Clam Garden Network, 2010-present



quality impacts, electromagnetic fields effects, and vessel-related disturbance and collision risk. Examples of EFH species include sea scallops, herring, salmon, crabs, fish, lobster, and shrimp.

Mid-Barataria Sediment Diversion Project ESA and EFH Consultation, Coastal Protection and Restoration Authority, Louisiana. *Project Biologist.* This project consists of a \$1.2 billion program to restore natural delta processes from the Mississippi River by reintroducing freshwater and sediment from the river into the Mid-Barataria Basin. The ESA and EFH consultations associated with the project are being conducted in close coordination with the third-party environmental impact statement being developed by the U.S. Army Corps of Engineers to ensure consistent analyses. Amy contributed to writing of the biological assessment and the EFH report.

Arlington Road Maintenance Facility Critical Areas Study, Snohomish County, Arlington, WA. *Project Biologist.* Participated in a critical areas study on three parcels being evaluated for proposed construction of the Arlington Road Maintenance and Fleet Management Facility. The work involved a site investigation to evaluate the potential presence of regulated wetlands and fish and wildlife habitat conservation areas on the subject properties, mapping critical areas, and documenting their regulatory classifications in a critical areas study. Thorough investigation of soil conditions was required due to several factors presenting challenges to making a wetland boundary determination.

North Mercer Interceptor and Enatai Interceptor Upgrade Project, King County Wastewater Treatment Division, Mercer Island to Bellevue, WA. *Project Biologist.* Working with the project engineering team on environmental planning and permitting for a 14,000-foot sewer line replacement. Contributing to writing the SEPA checklist and critical areas reports for the local jurisdictions (e.g., cities of Bellevue and Mercer Island), conducting code consistency analyses, and preparing mitigation plans. The project includes evaluating potential impacts to sensitive resources along Lake Washington's shoreline and the Mercer Slough Wetland Complex in relation to ESA-listed species, critical habitat, and essential fish habitat. The work, to date, has included an assessment of environmental conditions throughout the project corridor; development of permitting documents for federal, state, and local land use permits; and preparation for meetings with resource agencies to discuss the potential impacts and mitigation options for the project. Work on the final permitting documents will continue through 2019.

Blue Lake Outfall Biological Assessment (BA), Northwest Aggregates, Fairview, OR. *Project Biologist.* Prepared BA to support a U.S. Army Corps of Engineers permit application for reauthorization of an outfall to discharge detention pond water into the Columbia River. The detention pond drains sand dredged from the Columbia River at the Blue Lake Aggregates facility.

Emergency Pile Replacement Biological Evaluation, Manke Lumber Company, Shelton, WA. *Project Biologist.* Prepared biological evaluation for project to replace 6 untreated wooden pilings that were dislodged by a tugboat at the company's log rafting operation. Manke is proposing to replace the 6 damaged pilings with 3 new steel pilings. Potential effects analyzed included water quality, noise, submerged aquatic vegetation, benthic community, forage fish, and habitat. The biological evaluation provided avoidance, minimization, and conservation measures for the in- and overwater construction.

Geoduck Recruitment and Survival Research, The Tulalip Tribes, Tulalip, WA. *Biologist.* Responsible for development and analysis of program to study geoduck recruitment and survival. Conducted field sampling, data management, data analysis, methodology development, and technical report writing for bivalve, crab, shrimp, contamination, and water quality studies. Also prepared grants to secure funding for the department.