

Middle Fork Nooksack River Fish Passage Project

Design Review Team

About

The purpose of assembling the [Middle Fork Nooksack River Fish Passage Project](#) Design Review Team (DRT) is to ensure the desired project outcomes, as identified by the Partner Advisory Committee and established in project objectives, are reflected in the design criteria and appropriately implemented throughout the design process. Technical expertise in the areas of fisheries/fish passage, geomorphology, permitting, engineering, hydraulics and facility maintenance/operations is critical in development of design criteria, and in the review of engineering plans. Design review team input will be used to update engineering efforts and keep the design aligned with the project objectives.

Primary tasks

1. Review previous approved design criteria related to fish passage and other project components. Update as needed and coordinate approval with permitting contacts.
2. Participate in final development of design criteria with engineering consultant.
3. Review engineering plans at the 30, 60, 90 percent levels.
4. Assist in aligning permit requirements with site constraints and project objectives.

Estimated Participation

The ability of team members to attend meetings and review distributed project information is critical for participation. Approximately seven (1-2 hours) meetings are expected from November 2017 – March 2019, but more could be scheduled. The overall time required for participation may include background research or additional communication in area of technical expertise, and written review/correspondence.

Membership

The Design Review Team consists of individuals with technical expertise relevant to the specific elements of the project.

Design Review Team members will consist of technical staff of the Project Partners with requisite expertise in various areas, or other technical experts engaged on behalf of the Project Partners for furtherance of the project.

Design Review Team members advising on this project include the following:

Design Review Team Members		
Project Partner Organization	Design Review Team Member	Project Role/Technical Area
City of Bellingham	Stephen Day	Project Engineer, consultant oversight, contract management, water intake
American Rivers	April McEwen	Project Manager, consultant oversight, river science and restoration, fish passage, funding
City of Bellingham	Clare Fogelsong	Environmental policy, reservoir & watershed management
City of Bellingham	Robert Johnson, Steve Bradshaw	Operational water intake and reservoir procedures
City of Bellingham	Michael Olinger	Operations Maintenance
City of Bellingham	Larry Magura	Engineering advisor to the City, water system infrastructure
HDR, Inc.	Ed Zapel	Design Consultant: Project Engineer
HDR, Inc.	Matt Proxiv	Design Consultant: Project Engineer
HDR, Inc.	Becky Holloway	Design Consultant: Permitting Lead
Lummi Nation	Kara Kuhlman	Interim Lead, Natural Resources Dept
Nooksack Indian Tribe	Ned Currence	Fisheries/Resource Protection Program Manager, Natural Resources Dept
Nooksack Indian Tribe	Treva Coe	Habitat Program Manager, Natural Resources Department
Nooksack Indian Tribe	Michael Maudlin	Forest Resource Protection Specialist, Geomorphologist, Natural Resources Dept
Washington Department of Fish and Wildlife	Joel Ingram	Habitat biologist, permitting
United States Fish and Wildlife Service	Paul Bakke	Geomorphologist, permitting
United States Fish and Wildlife Service	Ginger Phalen	Permitting and biology, Partners for Fish and Wildlife