

Northwest Fisheries Science Center
Fish Ecology Division
2725 Montlake Boulevard East
Seattle, Washington 98112-2097

December 18, 2018

Operations Manager
U.S. Army Corps of Engineers
Bonneville Lock and Dam
P.O. Box 150
Cascade Locks, Oregon 97014

Dear Operations Manager:

The NOAA Fisheries Northwest Fisheries Science Center would like to request permission to access Bonneville Dam in 2019 in order to conduct research activities regarding lamprey migration. These studies are to be funded by the Corps of Engineers, NOAA, and the Yakama Nation, and are part of the Portland District's program of studies to improve fish passage at dams.

The Portland District of the U.S. Army Corps of Engineers is funding "Development and evaluation of an adult lamprey wetted wall structure at Bradford Island Fishway 2017-2019;" study plans are available from Ricardo Walker. Additionally, NOAA and the Yakama Nation are jointly pursuing investigations into wetted wall design impacts on lamprey passage. Kinsey Frick, who has worked at the projects in the past, will be the supervisor for the 2019 studies. We have coordinated with Bonneville Project personnel in 2018 to conduct a pre-work meetings and will schedule additional discussions of project operations and safety issues. We have submitted a research packet with work plan and hazard analysis with Bonneville operation staff. Appropriate state and federal scientific permits have or will be presented to project personnel (Brian Bissell) prior to initiating studies.

The main activities at Bonneville Dam will be: (1) evaluation of an experimental wetted wall adult lamprey passage structure in the Bradford Island fishway, and (2) lamprey response to wetted wall design modifications using experimental structures in the FERL. We will coordinate with Corps personnel on the placement and maintenance of equipment on Corps property.

We appreciate the opportunity to work at the Corps projects and the support and cooperation that has been provided for these studies. Please call Kinsey Frick (206-860-5619) if you have any questions regarding our activities or need additional information.

Sincerely,

Kinsey Frick