



**UNITED STATES DEPARTMENT OF COMMERCE**  
**National Oceanic and Atmospheric Administration**  
NATIONAL MARINE FISHERIES SERVICE  
Northwest Fisheries Science Center  
Fish Ecology Division  
2725 Montlake Boulevard East  
Seattle, WA 98112-2097  
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April 10, 2014

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, The Dalles, and John Day Dams in 2014 in order to conduct research activities regarding lamprey migration. These studies are to be funded by the Corps of Engineers and are part of the Portland District's program of studies to improve fish passage at dams.

We are party to two projects funded by the Portland District of the U.S. Army Corps of Engineers: "Evaluation of Adult Lamprey Passage Behavior in Relation to Lower Columbia River Dam Modifications - 2014," and "Development of Adult Lamprey Passage Structures at Lower Columbia River Dams - 2014;" study plans are available from Nathan Zorich or Sean Tackley. Kinsey Frick, who has worked at the projects in the past, will be the supervisor for the 2014 studies. We will meet with Bonneville Project personnel in spring 2014 to conduct a pre-work meeting and discuss 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 (Tammy Mackey and Andy Traylor) prior to initiating studies.

At Bonneville Dam there will be five main activities: (1) testing of wetted wall lamprey climbing structures, (2) initiation of operation of lamprey passage structures for the lamprey migration season, (3) modification of electrical,

counting, and plumbing systems as needed for existing LPSs and similar structures in coordination with USACE personnel, (4) installation of temporary holding tanks for lamprey for tribal or research purposes, and (5) replacement of the lead large picket to the auxiliary water supply at the Bradford Island fishway. 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 this study. Please call Kinsey Frick (206-860-5619) if you have any questions regarding our activities or need additional information.

Sincerely,



Dr. Richard W. Zabel  
Director, Fish Ecology Division

