



**DEPARTMENT OF THE ARMY**  
**CORPS OF ENGINEERS, PORTLAND DISTRICT**  
**PO BOX 2946**  
**PORLAND OR 97208-2946**

CENWP-EC-HR

MEMORANDUM FOR Tony Kirk, Operations Project Manager, Bonneville Lock and Dam, Portland District, Cascade Locks, OR 97014

SUBJECT: Portland District Access to Bonneville Project and Boat Restriction Zone (BRZ)

The purpose of this letter is to request access to the Bonneville Project from May through October, specifically in the forebay area near the fish ladder exit on the Washington shore and Bradford Island. Access will be required for both in-water work within the BRZ (at least 100 feet from fish ladder exits), on the north-end of the first and second powerhouse structures, and possibly near the two Washington and Bradford Island fish ladders. Project access is necessary to carry out Corps funded research for the "Lower Columbia River Forebay Temperature Monitoring – Phase 1 and Phase 2". Phase 1 will be conducted in 2018 and possibly continue into 2019 for the "Temperature Depth Profile Monitoring Study". Upon completion of this study, Phase 2 may be implemented in the subsequent year for the "Floating Platform with Real-time Data Collection". This study is funded by Portland District. The Program Manager is Mr. James Adams. The Portland District Technical Lead for this study is Ms. Tina Lundell. The Bonneville Project point of contact for this study is expected to be Mr. Brian Bissell (Ms. Ida Royer is on 120-day detail) and Mr. Ben Hausman.

Access to the BRZ areas and to the dam structures near the Washington shore and Bradford Island fish ladders is needed to deploy and retrieve up to four temporary temperature depth profile strings near each fish ladder. Each anchored string will hold up to six thermistors at a depth of 60 to 80 feet, with a yellow buoy to mark the location. One of the four temperature strings may be installed hanging from the dam structure or using existing trolley pipes mounted near the pier nose between turbine units. The goal is to find a location where the coolest water resides for floating platform temperature data collectors. These data collectors will be used to determine when cooler water is available to pump to fish ladder exits during the hottest portion of the summer.

We are aware of the pre-project documentation required of researchers working at Bonneville project. This documentation will be provided to Ms. Erin Kovalchuk and Mr. Brian Bissell prior to 21 May 2018.

If you have any questions or concerns, please contact Tina Lundell at (503) 808-4878 or email at [tina.m.lundell@usace.army.mil](mailto:tina.m.lundell@usace.army.mil).

TINA M. LUNDELL  
Hydraulic Engineer