



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

CENWP-EC-HR

MEMORANDUM FOR Ron Twiner, Operations Program Manager, The Dalles Lock and Dam, Portland District, The Dalles, OR 97058-0564

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

The purpose of this letter is to request access to The Dalles Project from May through October, specifically in the forebay area near the East fish ladder exit. Access will be required for both in-water work within the BRZ (at least 100 feet from fish ladder exit) and on the powerhouse structure (East end). 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 Dalles Project point of contact for this study is expected to be Mr. Jeff Randall and Mr. Robert Cordie.

Access to the BRZ area and to the dam structure near the East fish ladder is needed to deploy and retrieve up to four temporary temperature depth profile strings near the 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 The Dalles Project. This documentation will be provided to Ms. Erin Kovalchuk and Mr. Jeff Randall 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.

TINA M. LUNDELL
Hydraulic Engineer