



DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, PORTLAND DISTRICT
PO BOX 2946
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CENWD-EC-HR

MEMORANDUM FOR Mike Adams, 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), and on the north-end of the first and second powerhouse structures and near the Washington and Bradford Island fish ladders. The Bonneville safety boat and work boat will be requested to assist our team with this work, no other vessel will be involved. Project access is necessary to carry out Corps funded research for the "Lower Columbia River Forebay Temperature Depth Profile Study – 2019". Monitoring for this study was also conducted in 2018, the same study will be repeated in 2019. 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 two temporary temperature depth profile strings near each fish ladder. Each anchored string will hold up to six thermistors at a depth of 30 to 60 feet, with a yellow buoy to mark the location of the floating sites. One of the two temperature strings at each site will be installed either hanging from the dam structure or on the existing pier near the Washington shore ladder. 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 20 May 2019.

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