

**OFFICIAL COORDINATION REQUEST FOR
NON-ROUTINE OPERATIONS AND MAINTENANCE**

COORDINATION TITLE- Bonneville Cascade Is. Lamprey Trap Location

COORDINATION DATE- February 7, 2020

PROJECT- Bonneville Dam

RESPONSE DATE- February 13, 2020 (FPOM meeting)

Description of the problem: The new adult lamprey trap is to be located in the Cascade ladder. The initial location was to be where the pot traps had been deployed. However, after site visits with tribal representatives and project biologist a new site was selected. The proposed location was based on several things: power availability, structural ladder limitations, better hydraulics to guide and trap lamprey and cost. The planned location is on the south wall just upstream of the most downstream picket lead. This location was agreed to by tribal representatives and COE project biologist. The location was discussed at FFDRWG meeting on February 6, 2020. Representatives at the meeting agreed that the location appears to be acceptable. A picture of the Cascade Island Ladder is attached.

Type of outage required

Impact on facility operation (FPP deviations) NA

Impact on unit priority: NA

Impact on forebay/tailwater operation: NA

Impact on spill: NA

Dates of impacts/repairs

Installation will occur the Week of February 10th

Length of time for repairs

Will be completed prior to re-watering the ladder.

Analysis of potential impacts to fish

1. 10-year average passage by run during the period of impact for adults and juvenile listed species, as appropriate for the proposed action and time of year;
2. Statement about the current year's run (e.g., higher or lower than 10-year average);
3. Estimated exposure to impact by species and age class (i.e., number or percentage of run exposed to an impact by the action);

4. Type of impact by species and age class (increased delay, exposure to predation, exposure to a route of higher injury/mortality rate, exposure to higher TDG, etc.);

Summary statement - expected impacts on:

Downstream migrants – No impacts

The only potential impacts would occur when the Cascade Is. Ladder exit would need to be operated. This occurs infrequently and usually for about three months in the winter when Washington Shore Ladder is taken out of service and the Cascade Island continues to operate. During this time migrants in the Cascade ladder could come into contact with lamprey trap. The trap design is the same as the one used in the AFF and has been designed to reduce negative salmon interactions as much as possible. The location will be reviewed after trapping season and adjustments can be discussed.

Comments from agencies - no comments were received.

Final coordination results – FPOM concurred at the February 2020 meeting.

After Action update - The trap was installed as it was drawn up. The floor bows a bit. The space between the end of the picketed leads and the floor is between the 1-1.25’.

Please email or call with questions or concerns.

Thank you,
Erin

Erin Kovalchuk
NWP Operations Division Fishery Section
Columbia River Coordination Biologist
Erin.H.Kovalchuk@usace.army.mil

And
Tom Lorz
CRITFC
lorz@critfc.org

Bonneville Dam Spillway and Cascades Island

