

OFFICIAL COORDINATION REQUEST FOR NON-ROUTINE OPERATIONS AND MAINTENANCE

COORDINATION TITLE- 20BON05 MOC BI Relocate Lamprey Refuges

COORDINATION DATE- 11 February 2020

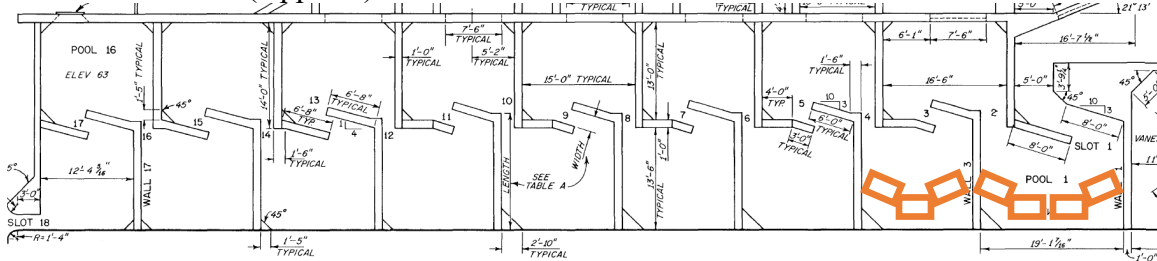
PROJECT- Bonneville Lock and Dam

RESPONSE DATE- 18 February

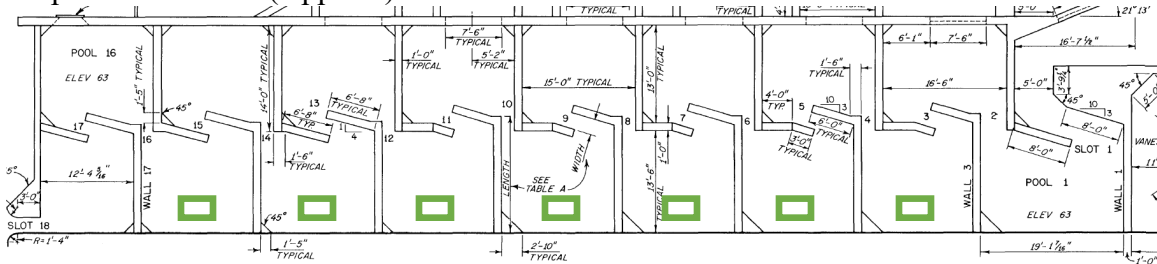
Description of the problem

Seven lamprey refuge boxes were placed in the lower section of the Bradford Island serpentine (viewable from the visitor center) in order to observe lamprey usage and salmonid interactions with the boxes. The refuge boxes were heavily used by lamprey while the impact to salmonid passage was negligible. Project Biologists would like to relocate the refuge boxes and spread them throughout the serpentine section.

Current Locations (Approx.):



Proposed Locations (Approx.):



Type of outage required - None - IWW

Impact on facility operation (FPP deviations)

Impact on unit priority - None

Impact on forebay/tailwater operation - None

Impact on spill - None

Dates of impacts/repairs 18-20 February

Length of time for repairs

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 - None

Upstream migrants (including Bull Trout) – No impacts of refuges in the serpentine have been observed, nor are expected

Lamprey – More opportunities to rest while navigating the turbulent serpentine section. Hopefully, leading to increased Lamprey passage.

Comments from agencies – no comments

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

After Action update

Lamprey refuge boxes were reinstalled as planned throughout the serpentine section during the winter maintenance period.

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

Leif Halvorson
Fish Biologist
Bonneville Dam
Leif.J.Halvorson@usace.army.mil