

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

**COORDINATION TITLE- 20BON09 Spillway Hydro-survey**

**COORDINATION DATE- March 17, 2020**

**PROJECT- BON**

**RESPONSE DATE- March 24, 2020**

**Description of the problem**

Spill bay 18 will be closed for up 8 hours for the hydro survey in the spillway stilling basin. The project is trying to get baseline data on the stilling basin after the spill to push rocks off the apron that occurred on February 04, 2020. This work will occur on the same day that the BI ladder will be at reduced levels for forebay dredging.

**Type of outage required**

**Impact on facility operation** (FPP deviations) - Closure of Spill bay 18 which is attraction flow for B-branch fishway entrance.

**Impact on unit priority** - none

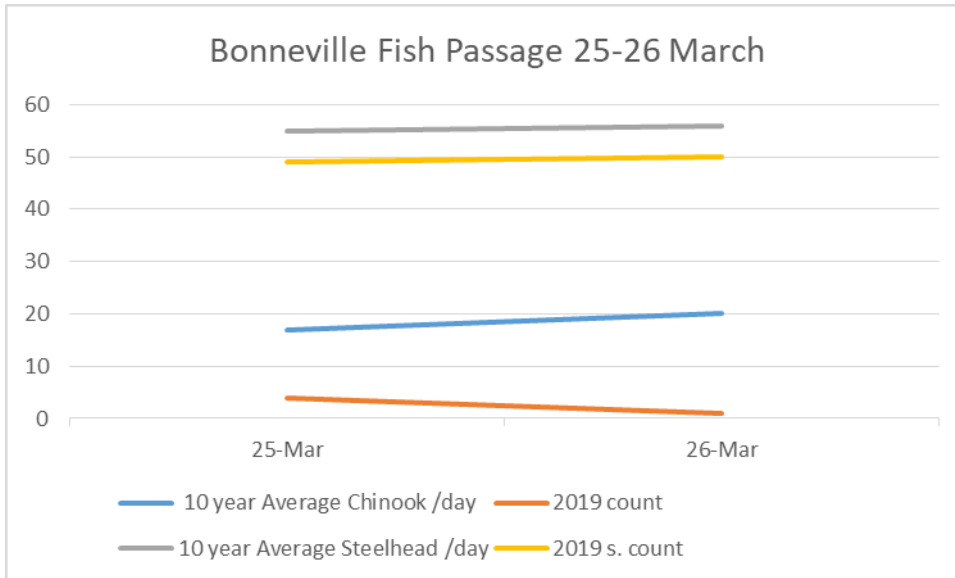
**Impact on forebay/tailwater operation** - none

**Impact on spill** - Spill will be reduced by 0.5 kcfs for the duration of this work.

**Dates of impacts/repairs** - 25 March

**Length of time for repairs** - 1 day

**Analysis of potential impacts to fish**



1. This year's run of Chinook is expected to be below average, this year's Steelhead run is expected to be average.
2. Downstream juveniles that could have passed through bay 18 will be delayed until the end of the day. Attraction flow to the B-branch section of the BI ladder will not be there, but the ladder is slated to be at reduced flows for other work on this day. Adults attempting to pass up the spillway may have a harder time finding the B-branch entrance, but it will still be operational with reduced entrance differentials.
3. This work may cause delay for fish in the area. With delay is a greater risk of predation.

**Summary statement - expected impacts on:**

**Downstream migrants** Very minimal. Some in the area may pass through the 4-3, 4-4 valves/ diffusers.

**Upstream migrants (including Bull Trout)** With no attraction flow at Bradford Island, fish in the area are expected to move to Cascade Island. Their upstream travel may be delayed. Low numbers of sea lions (>10) are currently present in the tailrace.

**Lamprey** None.

**Comments from agencies** – No comments were received.

**Final coordination results** – This action will move forward as planned.

**After Action update** - From the 200409 FPOM minutes:

4.2.1.2. The survey was completed after the spill test. Ebner was satisfied enough with the results for spill to resume to normal operation. One spill gate did not work automatically but is not considered a problem for operating the gate.

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](mailto:Erin.H.Kovalchuk@usace.army.mil)

Andrew Derugin  
Fish Biologist & Research Coordinator  
Bonneville Lock & Dam  
U.S. Army Corps of Engineers  
o: 541.374.3879  
m: 503.278.2376