

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

COORDINATION TITLE- 19TDA14 Fish Unit Extended Outage

COORDINATION DATE- 7/9/19

PROJECT- The Dalles Dam

RESPONSE DATE- 7/11/19 (FPOM meeting)

Description of the problem

On August 7, the fish units are schedule out of service 0700-1200 for an annual fishway grating ROV inspection per requirements of the Fish Passage Plan. Other maintenance work is often added to take advantage of this mid-season outage. In this case, work with Arc Flash installation and BPA trip checks will be added. The additional work requires an outage from 0800-1530. With moving the ROV work to 0800 start, that still leaves 2.5 hours additional fish unit outage to complete the work. ROV grating inspection for the north fishway will be scheduled for Aug 8 to prevent overlap ladder outage.

Type of outage required – Extended fish unit outage

Impact on facility operation (FPP deviations)

Fish unit additional outage time

Impact on unit priority

Main unit 1 and 2 for line 1

Impact on forebay/tailwater operation

None

Impact on spill

None

Dates of impacts/repairs - Aug 7, 2019

Length of time for repairs - 8 hours

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;

Passage for Aug 7	10 Year Avg	2018
Chinook	438	179
Steelhead	1539	210
Lamprey	95	25

<https://www.nwfsc.noaa.gov/research/divisions/fe/estuarine/oeip/g-forecast.cfm>

2. Statement about the current year's run (e.g., higher or lower than 10-year



FPC chinook chart.pdf



FPC steelhead
chart.pdf

average); Chinook and steelhead similar to last year and well below the 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).

If adult passage remains similar to last year and given the additional time, there will be ~36 Chinook, ~42 Steelhead and ~5 lamprey exposed to this additional east ladder outage. However the north ladder will remain in service during this time with optimal passage conditions during low expected spill.

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.). Stated above.

Summary statement - expected impacts on:

Downstream migrants

None

Upstream migrants (including Bull Trout)

Some possible delay for salmon/steelhead searching for powerhouse entrances.

Lamprey

Some possible delay for lamprey searching for powerhouse entrances.

Comments from agencies

From the July FPOM minutes - Three separate actions are overlapping on the ROV date. Lorz would rather have the time go from noon to 8pm. The ROV time is flexible. Bettin asked if 10-6pm would be okay and FPOM concurred. **FPOM concurred with this MOC and prefers noon to 8PM or 10AM-6PM.** The breaker work was scheduled for September and Bettin was trying to move it to a less impactful timeframe.

Final coordination results – FPOM concurred with this action. The work will only take 4.5hrs so the time is scheduled for 0730 – 1200.

After Action update – Fish units were out 0730 – 1355 to complete the work. There was an unintended 45 minute overlap with the north ladder due to issues return the east back in service. All grating was found in good condition. No gaps were found. There was a drop in passage as expected, however it was not possible to determine how much was attributed to the extended work.

Please email or call with questions or concerns.

Thank you,

Erin

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