

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

**COORDINATION TITLE- 20BON16 Mid-Season WA SH ROV Inspection Date
Change**

COORDINATION DATE- 16 June 2020

PROJECT- Bonneville Dam

RESPONSE DATE- 30 June 2020

Description of the problem

Bonneville would like to move the mid-season ROV inspection of Washington Shore ladder from early August to early July. The project needs more time to get a contract in place for sand removal during the winter maintenance period. Sand removal took a significant amount of time and effort during the 2018-19 IWW period and made it difficult to perform the necessary maintenance. The MOC is for the Washington Shore inspection only. The Bradford Island ROV will follow the guidelines in the FPP.

Type of outage required – Both fish units will be off during the ROV inspection.

Impact on facility operation (FPP deviations) – All WA SH entrances will be out of criteria. The ladder will be operating but there will be no attraction water to the entrance.

Impact on unit priority – No impact to unit priority

Impact on forebay/tailwater operation – No impact to forebay or tailwater operations.

Impact on spill – No impact to spill.

Dates of impacts/repairs – 09 July 2020

Length of time for repairs –Up to seven hours avoiding diel high passage hours. The work will occur from 1000-1700.

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:

Washington Shore passage 10 year average (Table 1)

Date	10 YR CHN	10 YR STT	10 YR SOC
09-Jul	1311	1392	4858

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

We are currently well below the ten year average for Chinook and Steelhead. The Sockeye run is slightly below the ten 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);

Minimal impact to all species. The PH2 fishway will continue to be in service. However, attraction flows will be close to 0.0' at all entrances during the duration of the outage. Cascades Island, B-Branch and PH1 fishways will continue to be in criteria.

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.);

Some degree of passage delay is to be expected with no attraction flows to all PH2 entrances. Sea lion presence is typically low during this time, but if sea lions are present then predation is likely to increase.

Summary statement - expected impacts on:

Downstream migrants - No impact is expected. Fish unit operations have minimal impacts on out-migrating juveniles. Adult fishways are not the primary route of passage for out-migrating juveniles.

Upstream migrants (including Bull Trout) - Increased delay and potentially an increase in predation is likely to occur due to the lack of attraction flow to the entrance for fish on the Washington Shore side. Fish will need to find another entrance for passage.

Lamprey - Minimal to no impacts are expected. The majority of adult lamprey migrate at night; this work will occur from approximately 1000-1700. Reduced entrance differentials may actually benefit adult lamprey in successfully entering PH2 fishway entrances during the outage.

Comments from agencies

CRITFC

-----Original Message-----

From: Tom Lorz [mailto:lort@critfc.org]
Sent: Monday, June 29, 2020 12:09 PM
To: Kovalchuk, Erin H CIV USARMY CENWP (USA)
<Erin.H.Kovalchuk@usace.army.mil>
Subject: [Non-DoD Source] Re: any opinion??

not the best time but can live with the change, just got back from the Grande Ronde and getting got back up.

Thanks

NOAA

-----Original Message-----

From: Trevor Conder - NOAA Federal [mailto:trevor.conder@noaa.gov]

Sent: Monday, June 29, 2020 2:02 PM

To: Kovalchuk, Erin H CIV USARMY CENWP (USA)

<Erin.H.Kovalchuk@usace.army.mil>

Cc: Lorz, Tom <lort@critfc.org>

Subject: [Non-DoD Source] Re: any opinion??

Erin,

Not a preferred time and not sure why it takes so long for the contracting. But if this must occur this early, I suggest starting as late in the day as possible to reduce delay for the most fish. We might also think if the ROV is necessary in the future and just do this every other year or so.

-Trevor

Final coordination results – this action will move forward as coordinated.

After Action update - From the 200813 FPOM minutes:

4.2.1.1. A couple of feet of sand but nothing that needs a contract this winter. No blown gratings were observed.

Fish units were out of service from ~0830 to 1430.

Please email or call with questions or concerns.

Thank you,

Erin

Erin Kovalchuk

NWP Operations Division Fishery Section

Columbia River Coordination Biologist

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And

Leif Halvorson

Fish Biologist

Bonneville Dam

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