

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

**COORDINATION TITLE-** *21BON006 MOC Forebay hydro survey, PH1 and BI Fishway exit.*

**COORDINATION DATE-** 4/26/2021

**PROJECT-** Bonneville Dam

**RESPONSE DATE-** 4/29/2021

**Description of the problem-** This request is for doing a hydro survey of the Bradford Island fish exit area to evaluate dredging needs. The boat will be operating outside of the Bradford Island exit and in the Powerhouse 1 forebay.

**Type of outage required:** None

**Impact on facility operation** (FPP deviations): None

**Impact on unit priority:** None

**Impact on forebay/tailwater operation:** None

**Impact on spill:** None

**Dates of impacts/repairs:** May 3<sup>rd</sup>

**Length of time for repairs:** 8 hours or less

**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;

	03 May 10-Year Average	10-Year Average Total Run	Percentage of Run Affected
Chinook	4,498	734,143	0.6%
Steelhead	28	203,635	0.01%
Sockeye	0	304,065	0%
Lamprey	1	35,179	0.003%
Shad	13	3,577,104	0.0004%

2. Statement about the current year's run (Percent of YTD 10 Year Avg);

-This year's chinook run is ~ 24% of the 10 year average.

-This year's steelhead run is ~ 42% of the 10 year average.

**Summary statement - expected impacts on:**

**Downstream migrants:** Minimal. There will be a boat moving slowly through the Powerhouse 1 forebay to accomplish the survey. Beyond the minimal boat noise, there should be no impact. This work is being coordinated because the boat will come within 100 feet of the fish exit.

**Upstream migrants (including Bull Trout):** Minimal. There will be a boat moving slowly through the Powerhouse 1 forebay to accomplish the survey. Beyond the minimal boat noise, there should be no impact. This work is being coordinated because the boat will come within 100 feet of the fish exit.

**Lamprey:** Minimal. There will be a boat moving slowly through the Powerhouse 1 forebay to accomplish the survey. Beyond the minimal boat noise, there should be no impact. This work is being coordinated because the boat will come within 100 feet of the fish exit. As shown in the **Analysis of impacts to fish** table, there are few lamprey in the area this time of year.

### Comments from agencies

**From:** Trevor Conder - NOAA Federal <[trevor.conder@noaa.gov](mailto:trevor.conder@noaa.gov)>  
**Sent:** Monday, April 26, 2021 3:22 PM  
**To:** McClain, Nathan A CIV USARMY CENWP (USA)  
<[Nathan.A.McClain@usace.army.mil](mailto:Nathan.A.McClain@usace.army.mil)>  
**Subject:** [Non-DoD Source] Re: FPOM Official Coordination: 21BON006 MOC Forebay hydro survey, PH1 and BI fishway exit

Nathan,

Why is this work being scheduled during the peak of the spring Chinook run and not during the in water work period?

-Trevor

**From:** Hausmann, Benjamin J CIV USARMY CENWP (USA)  
<[Benjamin.J.Hausmann@usace.army.mil](mailto:Benjamin.J.Hausmann@usace.army.mil)>  
**Sent:** Monday, April 26, 2021 4:31 PM  
**To:** trevor.conder@noaa.gov  
**Cc:** McClain, Nathan A CIV USARMY CENWP (USA)  
<[Nathan.A.McClain@usace.army.mil](mailto:Nathan.A.McClain@usace.army.mil)>  
**Subject:** RE: [Non-DoD Source] Re: FPOM Official Coordination: 21BON006 MOC Forebay hydro survey, PH1 and BI fishway exit

Trevor,

The project and the survey crew are trying to avoid pushing these surveys out so far that we can't get a contract in place before winter maintenance is over. As you know, we can't do the spillway survey until Sept 1 and this year we had the dredge done the last week in Feb barely accomplishing it during winter maintenance. We don't want to survey the BI exit and the fish unit forebay prior to the normal winter sediment deposition to insure our decision to dredge or not dredge is based on good data. As you know, fish passage is skewed to WA shore when PH2 is the priority and the percentage of fish impacted is based on a 50/50 split so the actual impact is less than what the MOC surmises. While I don't think this is the optimal timeframe, I also don't think a slow moving survey boat puttering around the forebay is much impact to migrating fish. If this past winter is too soon, and September is too late, what would you like to see as the optimal time to do these required surveys? While we can't target your preference this year, we can certainly shoot for the timeframe most preferred by fish managers moving forward. As an aside, we are also working on a multi-year contract to help alleviate this annual pain in the a\*\*.

Thanks Trevor.

Ben

**From:** Tom Lorz <lorz@critfc.org>

**Sent:** Monday, April 26, 2021 7:33 PM

**To:** McClain, Nathan A CIV USARMY CENWP (USA)  
<Nathan.A.McClain@usace.army.mil>

**Cc:** Trevor Conder - NOAA Federal <trevor.conder@noaa.gov>

**Subject:** [Non-DoD Source] Re: FPOM Official Coordination: 21BON006 MOC  
Forebay hydro survey, PH1 and BI fishway exit

If they could do the work closest to the exit first thing in the am when few fish would be exiting would be best. Given the low numbers of spring chinook anything we can do that does not delay them would be wise.

thanks

Tom Lorz  
CRITFC

### **Final coordination results – Concurrence**

**After Action update** – The work was completed with no issues.

Please email or call with questions or concerns.

Thank you,

Nathan

Nathan McClain  
NWP Operations Division Fishery Section  
Columbia River Coordination Biologist

[Nathan.A.McClain@usace.army.mil](mailto:Nathan.A.McClain@usace.army.mil)