

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

COORDINATION TITLE- 20TDA11 MOC MU6 Operation Outside the 1%

COORDINATION DATE- 24 August 2020

PROJECT- TDA

RESPONSE DATE- 26 August 2020

Description of the problem - Per Fish Passage Plan all The Dalles main units are to be operated within 1% for optimal juvenile passage. With the recent bus upgrades completed on T3, the system needs to be operated to maximum capacity to test limits. Unit 6 will be operated to maximum capacity, outside 1% peak efficiency for 12 hours, on Sept 15 to complete this test.

Additional FYI, fish units will also be operated to maximum for 12 hours. Fish entrances will be adjusted and monitored. Criteria is expected to be maintained. Flow will not be allowed to exceed 5,500cfs do to fishway grating concerns.

Type of outage required – no outage is required

Impact on facility operation (FPP deviations) – MU 6 will be operated outside of 1% peak efficiency.

Impact on unit priority – no impact

Impact on forebay/tailwater operation – no impact

Impact on spill – no impact

Dates of impacts/repairs – 15 September 2020

Length of time for repairs – 12 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;

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

This operation is not expected to impact adult salmonid fish. This operation could impact sub yearling Chinook. There is no sub yearling data for The Dalles.

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

This information is unknown for The Dalles Dam.

3. Estimated exposure to impact by species and age class (i.e., number or percentage of run exposed to an impact by the action);

More than 90% of the sub yearling run should have passed by the date of this operation.

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.):

Sub yearling fish passing through MU 6 during these 12 hours would be exposed to less than optimal conditions.

Summary statement - expected impacts on:

Downstream migrants – The impacts of this operation are expected to be minimal since it will only affect sub yearling passing through MU6. More than 90% of sub yearlings have migrated past The Dalles Dam. The sluiceways will be open per the FPP.

Upstream migrants (including Bull Trout) – Impacts to adult fish are expected to be minimal. The fish units will be operated at maximum capacity, but the weirs will be opened as much as necessary to keep the entrances within criteria.

Lamprey- Impacts to adult lamprey are expected to be minimal. The fish units will be operated at maximum capacity, but the weirs will be opened as much as necessary to keep the entrances within criteria. Most of the adult lamprey have migrated by the date of this operation but any lamprey using the east ladder entrance during these 12 hours may be delayed due to the flow at the diffuser gratings. This operation is outside of the typical juvenile lamprey migration pattern. Any juvenile lamprey that may be present would find less than optimal conditions in MU6.

Comments from agencies – no comments were received.

CRITFC sent a comment on 8/27/2020 (past the comment window)

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

From: Tom Lorz <lort@critfc.org>

Sent: Thursday, August 27, 2020 9:50 AM

To: Kovalchuk, Erin H CIV USARMY CENWP (USA)
<Erin.H.Kovalchuk@usace.army.mil>

Subject: [Non-DoD Source] Re: FPOM: Official Coordination 20TDA11 MOC MU6 Operation Outside the 1%

well i was on vacation so missed the comment period. Is there a reason this could not have waited? I think this will be ok just don't like making tweeks to the system during expected high passage times for adults. If you break something there will be many unhappy folks....

thanks

tom

Final coordination results – this operation will move forward as planned.

After Action update

The test was less than 8 hours. Fish units did not exceed 5,500cfs during the test. Fishways maintained entrance criteria. Test results are being discussed amongst electrical engineers.

Please email or call with questions or concerns.

Thank you,
Erin

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Columbia River Coordination Biologist
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And

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