

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

COORDINATION TITLE- 17TDA25 Dual Fish Ladder Outage

COORDINATION DATE- Oct 16, 2017

PROJECT- The Dalles Dam

RESPONSE DATE- Oct 30, 2017

Description of the problem: The Dalles will require a 2 week fish ladder outage overlap similar to last winter. As described in 15TDA04, TDA-E backup AWS construction requires the entire In Water Work Period (IWWP) for completion of season 2. This leaves no time within the IWWP to dewater and complete maintenance on the north fishway. The north fishway has little expected work aside from routine inspection and preventative maintenance. As coordinated last year, overlapping 2 weeks in January has much less potential of passage impact than dewatering the north prior to November.

Type of outage required: North fish ladder

Impact on facility operation - There will be no operating fish ladder for two weeks in January. This deviates from FPP criteria.

Impact on unit priority - None

Impact on forebay/tailwater operation - None

Impact on spill - None

Dates of impacts/repairs - January 16-30, 2018

Length of time for repairs - 2 weeks

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;

A 10 year average was not available. There is only 1 year (2013) of data for overall salmonid passage at The Dalles for Jan 16-30 which included 1 Chinook, 3 steelhead and 0 Coho. These fish would not be able to pass with both ladders dewatered. The overlap outage option was considered better than dewatering in November last year due to expected lower numbers of fish present in January.

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

Fall fish passage for chinook was close to 10 year average, with a peak about a week later than normal. Steelhead were less than 10 year average also peaking later than normal. Coho were about at 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);

Estimated exposure includes a few fall Chinook, Steelhead and Coho.

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.);

There will be no available dam passage route which will cause an increase in delay for fish migrating past the dam.

Summary statement - expected impacts on:

Downstream migrants - None expected. Very few in system during January.

Upstream migrants (including Bull Trout) - There will be no dam passage route which will cause an increase in delay for fish migrating past the dam. Very few salmonids are expected to be impacted due to the low numbers this time of year. This action is highly unlikely to impact Bull Trout since very few have been observed at TDA in the past 10 years.

Lamprey - None expected aside from the normal lamprey encountered during the dewatering fish salvage process.

Comments from agencies – None received.

Final coordination results – The MOC will go forward as coordinated. FPOM members concurred with this work at the November FPOM meeting.

After Action update – This action was completed as expected.

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

Bob Cordie
Chief of Fisheries
The Dalles Dam
Robert.P.Cordie@usace.army.mil