

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

COORDINATION TITLE- 22TDA08 East Ladder Weir 155 Rehab

COORDINATION DATE- 6/7/22

PROJECT- The Dalles Dam

RESPONSE DATE- 6/9/22

Description of the problem – East fish ladder weir 155 failed resulting in the weir disconnecting from the hoist system. This failure stressed the mechanical components of the gearboxes, resulting in the need to overhaul and replace damaged parts. To have this weir back in service by next fish passage season, the gearboxes need to be removed now and brought into the shop for disassembly and assessment. This will give adequate time to complete the repair. Removal should be similar to normal maintenance activities in this area when working on the count station equipment or tribal lamprey trapping.

Type of outage required – No outage

Impact on facility operation – Working within 50' of a fishway exit

Dates of impacts/repairs – 6/15/22

Length of time for repairs – Several hours for removal

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; *sockeye have started now and peak end of June. Summer Chinook continue 1-2K per day. Steelhead still low but expected to increase slightly end of June.*
2. Statement about the current year's run (e.g., higher or lower than 10-year average); *Spring Chinook above 10-year average. Others too early to determine.*
3. Estimated exposure to impact by species and age class (i.e., number or percentage of run exposed to an impact by the action); *Exposure will be to adult Chinook, Sockeye, and steelhead. Impact is unknown since very little information is available confirming vibration from this type of work negatively affects fish passage.*
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.); *Vibration concern.*

Summary statement - expected impacts on:

Work will be short term with some involvement of impact wrenches to remove gearboxes. Noise/vibration levels should be similar to some of the activities that already take place in this area. Count station will be monitored for adverse fish reaction. It's imperative this work is completed ASAP to insure 155 weir can be returned to service by next fish passage season.

Comments from agencies

No comments at the 9 June FPOM.

Final coordination results

Work will proceed as planned.

Please email or call with questions or concerns.
Thank you,

Bob Cordie
Project Biologist – The Dalles Dam
Robert.P.Cordie@usace.army.mil

Patricia Madson
Columbia River Coordination (acting)
Patricia.L.Madson@usace.army.mil