

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

**COORDINATION TITLE** - 21 LMN 06 MOC North Fish Ladder Debris Barrier  
Anchor Block

**COORDINATION DATE**- November 9, 2021

**PROJECT**- Lower Monumental Dam

**RESPONSE DATE**- November 23, 2021

### **1. Description of the problem**

Installation of a debris barrier is scheduled to be done during the North Ladder winter maintenance outage from January 3 through 31. A concrete anchoring block is needed to be poured approximately 50 feet from the North Ladder exit. A flatten area in the riprap is required to build a casting form on. All the work is above water but would create sound vibrations. The concrete anchoring block requires 48 days to be cured enough to attach the floating debris barrier to it, so the works needs to be done with enough time to get the concrete poured and cured by the North Ladder outage.

### **2. Type of outage required – N/A**

**3. Impact on facility operation (FPP deviations)** - There will be no impact on Facility operations.

**4. Impact on unit priority** – There is be no impact on unit priority.

**5. Impact on forebay/tailwater operation** – There will be no impact on forebay/tailwater operation.

**6. Impact on spill** – There will be no impact on spill.

**7. Dates of impacts/repairs** – Site preparation and concrete form work is scheduled for November 29 to December 31, 2021.

**Length of time for repairs** – Approximately 5 days.

### **8. Analysis of potential impacts to fish**

Upstream adult passage and juvenile outmigration numbers are historically low during this time period. From November 29 to December 31, the 10-year average of adult fish passing Lower Monumental Dam include 7 Chinook salmon, 14 Coho salmon and 1,347 steelhead with a total run impact of 0.007%, 0.26% and 1.24%, respectively. Adult fish passage may be delayed due to noise at the North ladder exit.

Monitoring of juvenile salmonids passing through the collection/bypass system ends after the September 30 sample, so there is no data on the number of outmigration salmonids which may be affected. Historically subyearling Chinook salmon are the dominant species found during this time and abundance is generally low.

**9. Expected Impact Analysis**

Impacts on juvenile and adult passage are expected to be minimal. Adult fish exiting the fishway may be delayed from noise and vibrations.

**Comments from agencies**

**Final coordination results**

**After Action update** (After action statement stating what the effect of the action was on listed species. This statement could simply state that the MOC analysis was correct and the action went as expected, or it could explain how the actual action changed the expected effect (e.g., you didn't need to close that AWS valve after all, so there was no impact of the action). List any actual mortality noted as a result of the action)

Please email or call with questions or concerns.

Thank you,

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