

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

COORDINATION TITLE- 23 LMN 09 Unit 4 Testing

COORDINATION DATE- August 22, 2023

PROJECT- Lower Monumental Dam

RESPONSE DATE- August 29, 2023

Description of the problem: Lower Monumental Dam has been conducting an overhaul for unit 4 which has included an update of the OPTO system. Testing is needed before unit 4 can be returned to service. This testing will require operating unit 4 for up to 4 hours on consecutive days. Testing is scheduled to occur August 30 and 31.

Type of outage required:

Impact on facility operation (FPP deviations): Operate unit 4 out of priority for 4 hours on two consecutive days, August 30 and 31.

Impact on unit priority: Priority is unit 1 to unit 6, in order (FPP, Chapter 7, Table LMN-5). Flows are expected to be sufficient to operate one unit, and operation will switch from unit 1 to unit 4 for testing.

Impact on forebay/tailwater operation: Testing will not impact forebay or tailwater.

Impact on spill: Testing will not impact spill.

Dates of impacts/repairs:

The testing period is scheduled for August 30 and 31.

Length of time for repairs: Four hours in the afternoon August 30 and 4 hours in the morning of August 31.

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; Adult counts August 30-31 average 1,001 Chinook salmon and 482 steelhead.
2. Statement about the current year's run (e.g., higher or lower than 10-year average);

The Chinook salmon run has been near the 10-year average in 2023. The steelhead run is forecasted to be below average. So far in 2023, the steelhead counts have been 54% of 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);

On average, adult counts at Lower Monumental Dam for August 30-31 make up 2.9% of fall Chinook salmon and 0.6% of steelhead passing the project.

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.);

Upriver migrants including spring Chinook salmon and steelhead may be delayed passing the project with the change in unit priority.

Juvenile salmon and steelhead should not be affected by unit testing.

Summary statement - expected impacts on:

Downstream migrants: Minimal impact.

Upstream migrants (including Bull Trout): Upriver migrants may experience upstream delay as priority unit attraction water shifts to unit 4 during testing.

Lamprey: Minimal.

Comments from agencies

Final coordination results:

After Action update:

Please e-mail or call with questions or concerns.

Thank you,
Chris Peery
USACE, NWW
Fish Biologist
Christophe.a.peery@usace.army.mil