

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

COORDINATION TITLE- 21 LGS 06 Temporary Closure of Spillbay 8 to Perform Repair

COORDINATION DATE- May 26, 2021

PROJECT- Little Goose Lock and Dam

RESPONSE DATE- June 10, 2021

Description of the problem

North Shore Adult Entrance (NSE) is currently set to manual mode and needs a new Hydroranger installed to restore automatic capabilities. Electricians do not want to introduce water to the FSC panel where the Hydroranger is located and are requesting the temporary closure of spillbay 8 while the replacement is completed. Work is expected to take less than 5 hours to complete and would be completed during performance standard spill (0500-1200 hrs). Completion of this work prior to the end of spring spill operation is critical in order to test auto function during both performance standard and gas cap spill operations.

Type of outage required

Impact on facility operation

No impact expected to facility operations.

Impact on unit priority

No impact on unit priority.

Impact on forebay/tailwater operation

Amount of spill would remain at 30% without the use of spillbay 8.

Impact on spill

Spill pattern for spring spill in FPP utilizes spillbay 8 for training spill; spillbay 8 would temporarily be closed to perform repairs (Fish Passage Plan, Chapter 8, Table LGS-7).

Dates of impacts/repairs

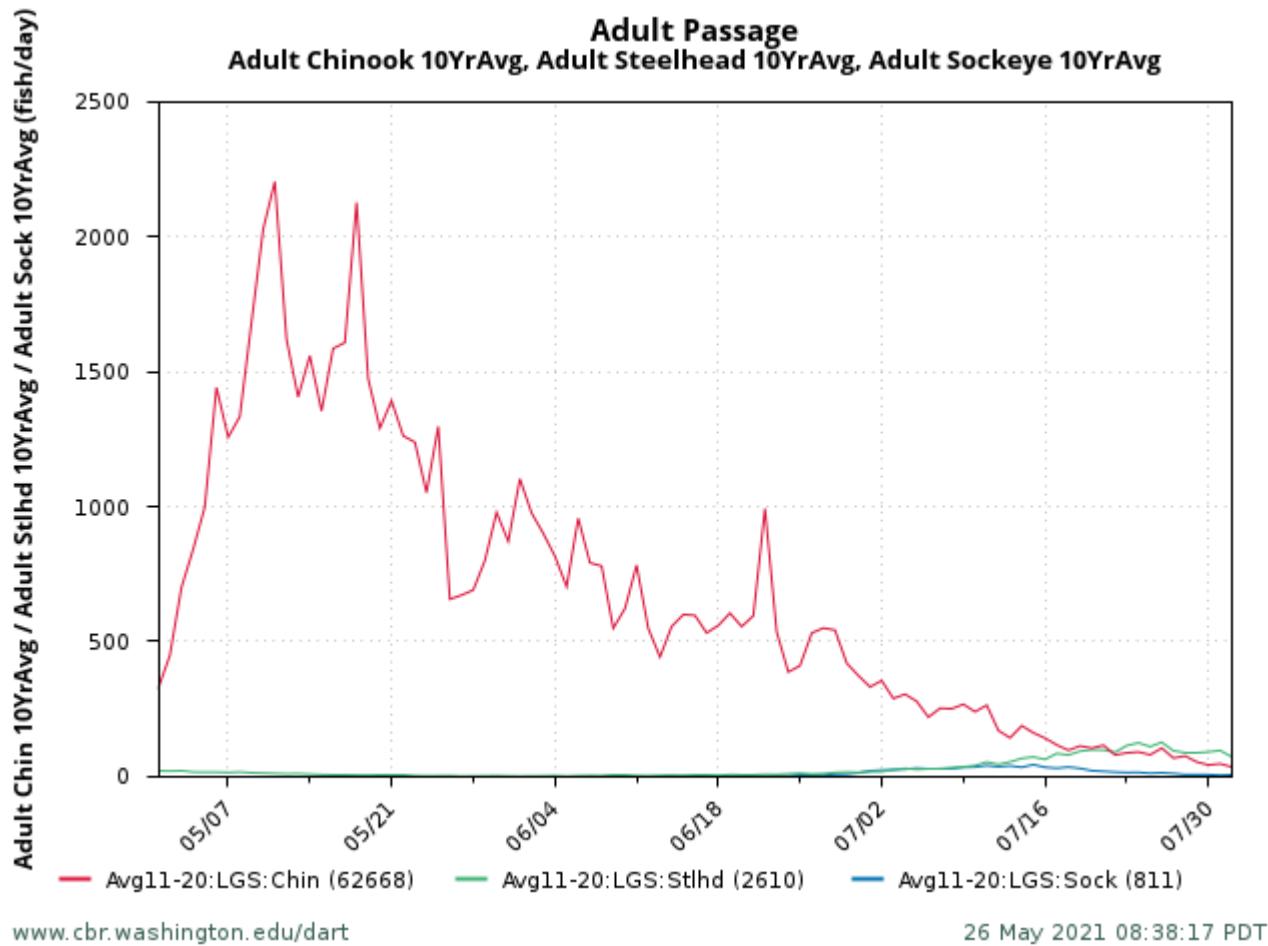
Repair will be completed in the morning during performance standard spring spill conditions between now and June 20.

Length of time for repairs

Repair is expected to take less than 5 hours to complete.

Analysis of potential impacts to fish

1. 10-year average passage by run during the period of impact for adult salmonids.



2. The 2021 adult Chinook salmon run is currently 57% of the 10 year average at Little Goose. Juvenile collection numbers in 2021 are well below the 10 year average. As of May 23, total of 223,009 juveniles have been collected in 2021 compared to the 10-year average (2011-2020) of 2,560,722.
3. Work is scheduled to occur after the peak of the adult spring Chinook salmon migration and prior to the adult steelhead and sockeye peak migration. Juvenile subyearling Chinook salmon will be the most prevalent of the downstream migrants.

Summary statement - expected impacts on:

Downstream migrants

There is minimal impact expected on juvenile salmonids during this repair.

Upstream migrants (including Bull Trout)

With the work occurring during the performance standard spill condition, little to no impact is expected on upstream migrants.

Lamprey

No effect is expected on lamprey passage during this repair period.

Comments from agencies

From: St John, Scott J CIV USARMY CENWW (USA)

To: Trevor Conder - NOAA Federal

Cc: Peery, Christopher A CIV USARMY CENWW (USA)

Subject: RE: [Non-DoD Source] Re: 21 LGS 06 MOC Temporary Closure of Spillbay 8

Date: Tuesday, June 01, 2021 2:17:00 PM

Trevor,

We confirmed with Little Goose that the installation of the new equipment will not impact manual

operation of the entrance weirs, if the installation were to go poorly. Additionally, Little Goose will

spread spill across spillbays 2-7 evenly while spillbay 8 is out of service.

We will add your requested verbiage for delay in upstream migrants. Would you like this modified

and resubmitted for review now, or can it be added at the time of the after action update, if approved?

Thank you.

Scott St. John

Fish Biologist

Natural Resources Management

U.S. Army Corps of Engineers, NWW

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Walla Walla, WA 99362

(509)-527-7122

From: Trevor Conder - NOAA Federal <trevor.conder@noaa.gov>

Sent: Friday, May 28, 2021 10:00 AM

To: St John, Scott J CIV USARMY CENWW (USA) <Scott.J.StJohn@usace.army.mil>; Peery, Christopher A CIV USARMY CENWW (USA) <Christopher.A.Peery@usace.army.mil>

Subject: [Non-DoD Source] Re: 21 LGS 06 MOC Temporary Closure of Spillbay 8

Chris,

As long as there is very little chance of screwing this up and having to close the entrance for some

reason, I am ok with it. If there is a chance of failure, I would suggest foregoing the work and testing

during spring spill, and do this after sockeye have passed or after the spill season is over. I understand the benefits of testing during the flex spill op, and that makes sense, but not worth a

failure given the numbers that use this entrance during these spring ops. But again, if there is no

chance of something catastrophic happening, (i.e. you can still open manually), I am ok with it. The

MOC also needs to describe how bay 8 spill will be distributed and describe that this may cause

minor delay to adults since bay 8 is used to train the ladder attraction flow.

-Trevor

Final coordination results

After Action update

Work was not completed as planned prior to June 20 due to the lack of availability from electricians. The hydroranger installation will occur without adjustment to spill.

Please email or call with questions or concerns.

Thank you,

Chuck Barnes
Supervisory Fish Biologist
Little Goose Lock and Dam

Charles.a.barnes@usace.army.mil