

OFFICIAL COORDINATION REQUEST FOR NON-ROUTINE OPERATIONS AND MAINTENANCE

COORDINATION TITLE- 24 MCN 03 MOC Temporary Spillway Weir (TSW) Outages to Install Mounting Brackets on Pier Noses for Balloon Tag Fish Study.

COORDINATION DATE- 18 March 2024

PROJECT- McNary Lock and Dam

RESPONSE DATE- 22 March 2024

Description of the problem - USACE proposes to install fish release pipes for the upcoming balloon tag study scheduled to begin on March 27, 2024. Brackets that will secure the pipes to the pier noses upstream of the spillway would be added on March 25th to allow a full day for the pipe installation on March 26th.

Even with fall protection measures in place, employees cannot stand safely on the pier noses with an open spillway weir directly adjacent to them. Both TSW's will need to be closed for several hours the morning of 25 March during the mounting bracket installation. Surface spill will be replaced with equivalent volume (~10 kcfs) of spill through a split-leaf gate.

Type of outage required- Temporary Spillway Weir Outage. Per the current agreement with the Sovereigns, one spillway weir is required to be open at approximately 10 kcfs, 24 hours a day, to support adult steelhead fallback.

Impact on facility operation- None.

Dates of impacts/repairs- One spillway weir outage is planned for approximately 5 hours on March 25th to support bracket installation. A short outage (1-2 hours) will also be necessary on March 26th to bolt the release pipes to the brackets. During these outages, 10k cfs of spill through a spillway gate in the split-leaf orientation will occur in lieu of the spillway weir.

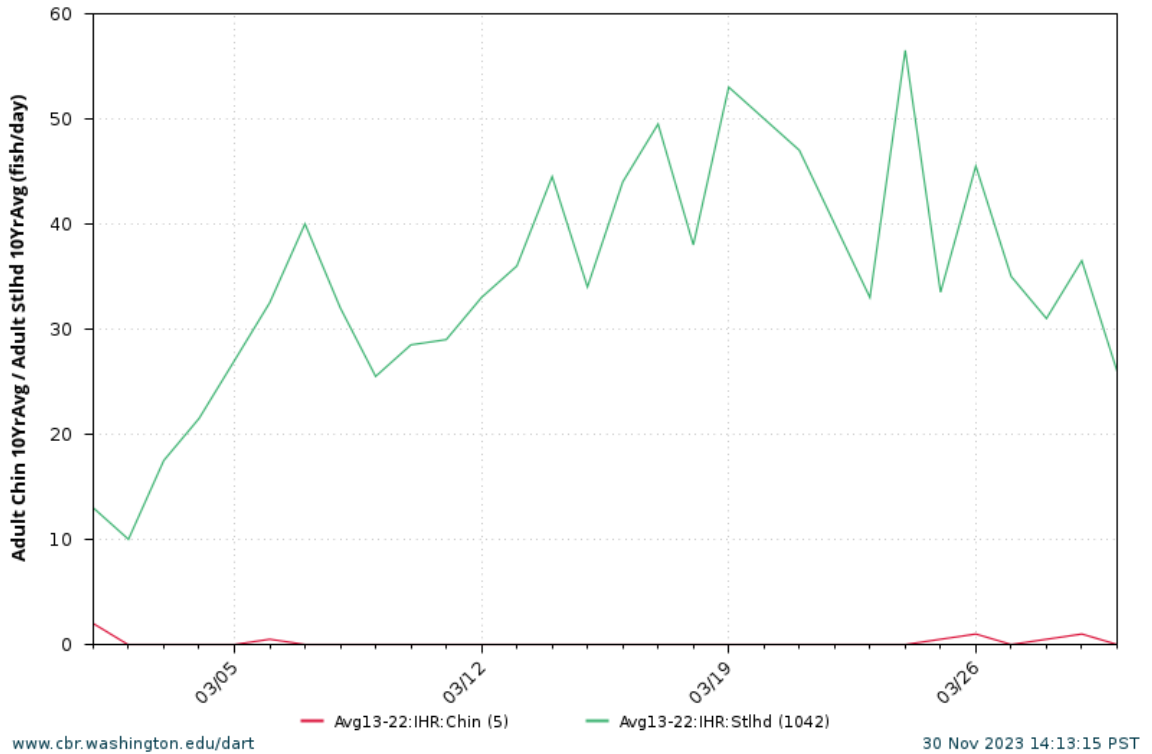
Length of time for repairs- Work would occur for a total of 5 hours in the morning on March 25th and 1-2 hours in the afternoon on March 26th.

Analysis of potential impacts to fish

1. The figure below displays 10-year average passage for adult steelhead and Chinook salmon during the proposed period of impact. The proposed work would have no impact on juvenile fish passage as noise and vibration would only occur in the navigation lock and the top portion of the north fish ladder.
2. This work is scheduled to occur prior to the beginning of the fish passage season in 2024. There would be no current year data prior to the work occurring.

Adult Passage Counts

Adult Chinook 10YrAvg, Adult Steelhead 10YrAvg



3. The proposed period of work would occur during 1.2% of the ten-year average annual steelhead run and 0.1% of the 10-year average annual Chinook run. There will be no effect on upstream fish passage.
4. Adult steelhead may be delayed if trying to fall back over the spillway weir during the outage. A split-leaf spillway gate will be opened to allow for an alternate passage route over the spillway during these outages.

Summary statement - expected impacts on:

The proposed outages could delay downstream passage of any juvenile salmonids in the work area but the work will occur before juvenile passage season and very few fish will be present. The proposed work is expected to have no effect on upstream adult fish passage. There could be a minimal effect on adult steelhead trying to move downstream past the project during this time. They would either be delayed or would pass through the split-leaf spill gate instead of the surface weir.

Comments from agencies

Final coordination results

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

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