OFFICIAL COORDINATION REQUEST FOR NON-ROUTINE OPERATIONS AND MAINTENANCE

COORDINATION TITLE- 24 MCN 006 MOC Closure of Bay 22 for Install Downstream Wall Dogs and Closure of Bay 21 for Removal of Downstream Wall Dogs.

COORDINATION DATE- 31 May 2024

PROJECT- McNary Lock and Dam

RESPONSE DATE- 13 June 2024

Description of the problem – Repair of spillgate dogging devices is critical to future rehabilitation of the spillway system. Special funds are currently available to remove, rehabilitate and reinstall the wall dogs. Rehabilitation of the downstream wall dogs for bay 22 is near completion. This will bring us to ten sets of completed wall dogs out of 44. While the special funding is still available, the dogs for bay 22 need to be reinstalled and the downstream dogs in bay 21 need to be removed with urgency. Project staff would like to reinstall the dogs in bay 22 and remove the set of downstream dogs from bay 21 on June 21, 24, and 25.

Type of outage required- Bay 22 would be closed from 0630 to 1700 hours on June 21. The bay would be reopened as soon as work is completed for the day. All bays would remain open over the weekend. If the work is not completed in Bay 22, it would resume on May 24 at 0630 hours. Otherwise, Bay 21 would be closed from 0630 (or later in the day if working on Bay 22 first) to 1700 hours on June 24 and possibly June 25. Only one bay would be closed at a time, the bay(s) will be open overnight and reopened as soon as the work is completed in the bay. Flow that would have gone through the two bays during the outages will be evenly distributed through the other bays that can currently function in automatic mode, those bays with split leaf.

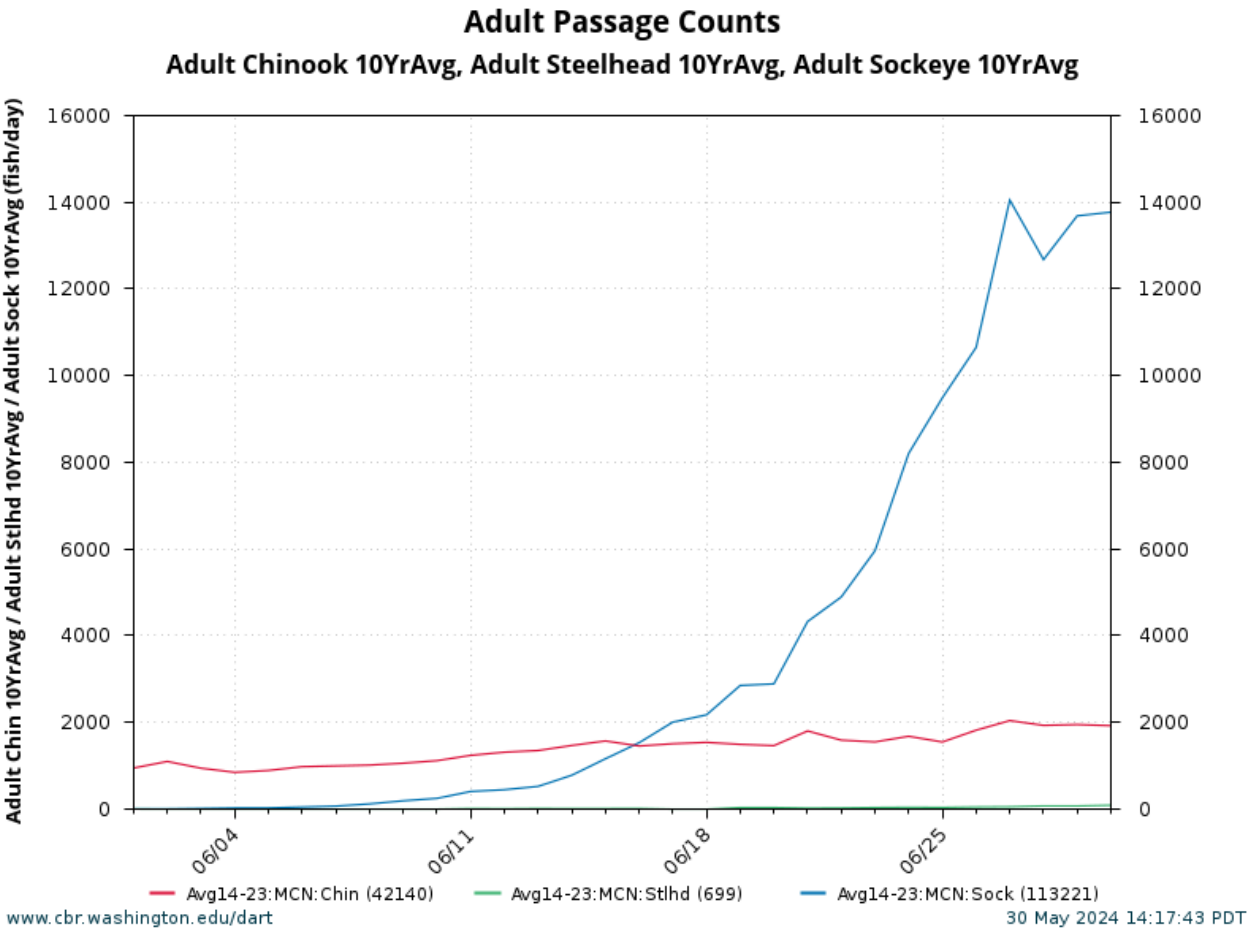
Impact on facility operation– Bay 22 will be closed. Then, bay 21 closed.

Dates of impacts/repairs- Bay 22 will be closed June 21 (June 24 only if needed) and bay 21 will be closed on June 24 and 25 as needed.

Length of time for repairs- Work would occur from 0630 to 1700 hours each day. If the work is completed sooner, the bay will be opened when the work is done.

Analysis of potential impacts to fish

1. The figure below displays 10-year average passage for adult steelhead, sockeye, and Chinook salmon during the proposed period of impact. The proposed work could have a slight impact on juvenile fish passage due to closing of the one spillbay, but the other bays will be available during the day.
2. This work is scheduled to occur during adult and juvenile fish passage season.



3. The proposed period of work would occur during 12.7% of the ten-year average annual sockeye run and 12.5% of the 10-year average annual summer Chinook run.
4. Adult steelhead should not be delayed if trying to fall back as the TSW's in bays 19 and 20 will be open.
5. Juvenile fish passage during this time period is roughly 5% of sub-yearling Chinook salmon, roughly 0.5% of coho salmon, 0.0% of steelhead, and 0.1% of sockeye salmon. Multiple bays will be open for passage.

Summary statement - expected impacts on:

The proposed outages could slightly delay downstream passage of any juvenile salmonids in the work area as the work is occurring during fish passage season. 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.

Comments from agencies

Final coordination results

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

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