

Subject: Minutes for the 10 October 2024 FPOM meeting. The meeting was held via Webex, from 0900 until 11:27.

In Attendance:

Last	First	Agency	Phone	Email
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Wertheimer	Robert	NWP-FFU		Robert.H.Wertheimer@usace.army.mil

1. Final decisions or recommendations made at this meeting.

- 1.1. No additions to the agenda. September meeting minutes were approved.
- 1.2. 24JDA17 MOC Response to Delayed Repairs on JDA SFL AWS Turbines 1 and 2 - CRITFC and NOAA recommended Option 1. An early start to the AWS unit 2 repairs. Concerns remain regarding the completion date extending beyond May. No other comments.

2. FPOM Action Items

2.1.NWS

2.2.NWW

- 2.2.1.[Oct 24] 24LWG02 MOC Annual Spillway inspections. **ACTION:** Peery will inquire if information could be shared with the region.
- 2.2.2.[Oct 24] MCN spillway (Peery). Meeting is on 24 October **ACTION:** Peery will share the schedule for funding and for the ERDC model runs at the next task group meeting.
- 2.2.3.[Oct 24] Budget and Infrastructure Updates. **ACTION:** Peery will add a column for tracking progress on the items listed.

2.3.NWP

- 2.3.1.[Sep 24] Estuary – FFU update, flight today and this will be reported out next week. **ACTION:** FFU will update FPOM on the most recent CAP flight numbers. **STATUS:** *Completed. CAP flight numbers were reported out during the Avian updates in section 3.5.2.4.*

2.4. Completed Action Items or to be discussed later in the agenda.

- 2.4.1.[Apr 24] Albeni Falls update: Morrill asked for a link once the documents are posted. **ACTION:** Huddleston will provide the link once the RFP is out. **STATUS:** *Completed.* RFP link <https://sam.gov/opp/b436f4951f8549f8a87dbce26d56e95d/view>.

3. FPOM Updates

3.1.NWS updates.

- 3.1.1.Albeni Falls. On 20 Sept solicitation went out for Albeni Falls fish passage with an expected award date of September 2025. The project is slated to complete and be

operational in 2030. Morrill asked when construction would start. Huddleston thought about a year for design, the construction would be starting in 2027 and continue through 2030. Huddleston added Kathy Cousins is no longer with the Corps and he will provide the information to Peery regarding the new NWS representative for FPOM.

CHAT: from Andrew Huddleston to everyone: 9:08 AM

If anyone has any further questions on AFD fish passage, please do not hesitate to reach out: andrew.j.huddleston@usace.army.mil

3.2. NWW Updates

3.2.1. Upcoming coordinated maintenance/construction/research activities.

3.2.1.1. 24LWG01 MOC Trash Rake Crane – Delayed with no new delivery date.

3.2.1.2. 24LWG02 MOC Annual Spillway inspections – Completed. Lorz asked if inspections will be shared with the region. **ACTION:** Peery will inquire if information could be shared with the region.

3.2.1.3. 24LGS02 MOC Potential Noise - Juvenile Collection Channel. – The drilling and concrete removal for electrical connections will be delayed until March 2025. Also planning to demo existing trash rack crane during this time. Need to coordinate crane removal to ensure new crane are available for trash racking before old crane is removed. Lorz advocates for work to be done early in March.

3.2.1.4. 24LGS03 MOC Unit 5 Commissioning. – January 2025

3.2.1.5. 23IHR11 MOC Navlock Tainter Gate Replacement – On schedule for late February to early March 2025

3.2.2. LWG tailwater elevation – No updates.

3.2.3. MCN JFF early start and fish collection for telemetry evaluation – 24 March 2025.

3.2.4. MCN crane status. No changes. First hoist will be installed in 2027, the project would like a recommendation for the location of the first hoist. Peery suggested gates 1 or 2 for the first location. Lorz concurred with that suggestion but would like to look at it at ERDC.

3.2.5. MCN ERDC Model. The work is 95% complete on the tail gates. The baffle blocks are in the stilling basin. They are working on the mechanisms to adjust flow. Work is projected to be done in November with calibration occurring in December. The model runs are planned for the 3rd week in January.

3.2.6. Fishway Pumps – MOC to come for LWG fish pump rewind. This is scheduled maintenance to maintain the pumps and will not change capacity in any way. The MCN fishway pumps are a high priority for funding, Currently O&M funding but efforts are underway to acquire funding through CRFM for this work. Some hurdles but they are optimistic. Lorz asked about Conders idea of rescheduling fish pumps maintenance to avoid using pump 1 when it is going to be problematic. Holdren is working with the project on the schedule. Lorz suggested talking with Conder to clarify which period is of most concern spring or summer. Morrill expressed concern with the 30% vacancy rate brought up at last month's meeting. Peery said they are aware of the issue and are looking at ways to address this issue.

3.3. NWP Updates

3.3.1. Upcoming coordinated maintenance/construction/research activities.

3.3.1.1. 19BON001 MOC Navigation Lock 1 Bridge Replacement. No update

3.3.1.2. BON PH2 Tailrace crane replacement. Work will occur during winter 25/26. No update

3.3.1.3. 24BON012 MOC B1 Fish Salvage Operations on Oil Leak Investigation Units_REVISED. No update.

3.3.1.4. 24BON041 MOC T12 Outage_Updated (T11Cancelled_T12 Delay). Moved. Outage is now planned for 21 October to 7 November.

- 3.3.1.5.24BON048 MOC Avian Array Repairs at PH1, PH2, Spillway – Completed.
- 3.3.1.6.19TDA04 MOC East side powerhouse crane rails. No update
- 3.3.1.7.24TDA03 MOC TDA MU22 Priority. No update
- 3.3.1.8.18JDA02 MOC Trash rack replacement. Project is looking at full replacement. They are awaiting approval from the capital work group.
- 3.3.1.9.20JDA04 MOC STS crane replacement. Received 2 replacement motors and the contractor will be back next week to finish. Crane should be done by end of the month. There will be a 30-day break in period. They plan to decommission the old crane by December. Not going to impact ability to remove screens on time.
- 3.3.2.JDA north pump #4. Funded for FY25. Funding is in place, planning this work.

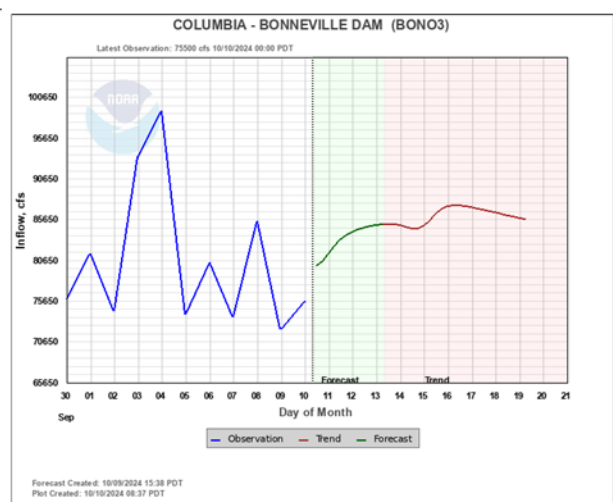
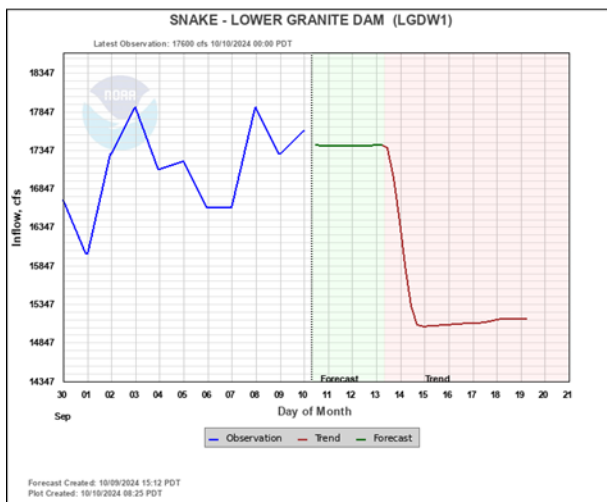
3.4. Research/FFDRWG

- 3.4.1.FFDRWG. Cancelled last week’s monthly. MacDonald will send out written updates. Next meeting 7 Nov.
- 3.4.2.SRWG. The AFEP annual review will be held at Columbia Gorge Discovery Center in The Dalles on 3 Dec. One day event. The meeting will have a Webex link available for those who are not able to attend.

3.5. RCC update

Table 1. Previous Day Average Outflow and NWRFC Inflow Forecast.

Project	Previous Day (10/09) Avg. Outflow (kcf)	5 Day (10/14) Forecasted Inflow (kcf)	10 Day (010/19) Forecasted Inflow (kcf)	Forecasted Inflow Low/High (kcf)
LWG	17	16	15	15 (10/14) / 17 (10/13)
MCN	65	78	78	74 (10/10) / 81 (10/15)
BON	75	85	86	80 (10/10) / 87 (10/16)



3.6. Avian updates 10:30 AM

3.6.1.NWW – Bird counts for September - at MCN gulls averaged 164, max of 655, DCCO average of 19, total of 1 AWPE and six grebes. At LMN average of 120 gulls, 27 DCCO, and 30 grebes, total of 2 AWPE. At LGS average of 7 gulls and a total of 40 DCCO. At LWG 3 gulls and 6 DCCO per day.

3.6.2.NWP

3.6.2.1.JDA – Average foraging gulls, 19 per day with a high of 64, non-foraging gulls 164 with a high of 316, DCCO only 1 foraging and 26 non foraging, a few AWPE in the zones but 40 on Preachers Island, 11 grebes with a high of 44. PIT scanning at Preachers Island on October 23.

3.6.2.2.TDA – Average of 20-30 non foraging gulls few to no foraging gulls. DCCO 60-100 per day sleeping on BPA towers and ~ 40 foraging. No AWPE and increasing mergansers in all zones. Little to no foraging in any zones. Working on the falconry abatement contract. USDA coordinating plans for nocturnal period. eDNA stomach analysis report coming. Fecal samples and PIT tag scanning at Lone Pine Island will occur during avian line inspection. Lawonn asked about preliminary comparisons of lethal this year vs falconry vs previous years. Day said this year 55 gulls per day and in 2023 52 gulls per day. Fewer in June and July this year though. Of the 387 gulls taken at TDA approximately a third of the take was subadults. Day felt it unlikely they all came from LMIR. Day indicated the falconer pressured the DCCO on the towers and reduced the nesting from ~30 in 2023 to 15 in 2024. Although displaced DCCO may have moved to the tower down river. Morrill suggested an avian work shop this spring. Van Dyke asked about environmental DNA if they were doing eDNA or just doing DNA sample on knowns? Day discussed the process used for gut sample collection.

CHAT from Jacob Macdonald to everyone: 11:02 AM

eDNA work is being done by Yakama Nation and Cramer Fish Sciences for a study not funded by the Corps. We are collecting samples from around the dams and turning them over to YN for analysis and inclusion in their study. POC for the eDNA work is Ralph Lampman.

3.6.2.3.BON – 20-40 gulls with an average of 21, 15-30 in the PH2 forebay, average of 18 DCCO, 6 common mergansers in the forebay as well. USDA repaired and replaced the avian lines in the tailraces. After action report was provided.

3.6.2.4.Estuary – At ESI the terns have left and there was a successful hatch this year. PIT tag recovery is occurring this week on the 1 Acre colony. For the 20 Sept CAP flight, preliminary numbers are 421 CATE on colony, 287 off colony, in addition 73 YOY and 173 DCCO. Lorz asked if they found any satellite colonies. Braun indicated no nesting behavior was observed outside the colony. Lorz added that PIT scanning the beach areas was important in the past. Magel asked if random sampling would be worthwhile. Wertheimer indicated that RTR would be working with them to assess locations to best scan for PIT. Lawonn pointed out that of the PIT tags recovered at the ESI colony only 1 of the 5 years have been analyzed. Lawonn is interested in the impacted on the steelhead. Wertheimer pointed out that PIT tag analysis is different funding and beyond FFU purview. MacDonald added that a PIT recovery analysis contract is planned for this year. Lorz reminded that a contractor using the same techniques that RTR used, to be comparable among years, would be preferable. MacDonald has this on his radar and will reach out with a meeting to discuss. Van Dyke asked about methodology of PIT recovery. Wertheimer explained that tags were physically recovered and scanned in office. PIT tags uploaded to PTAGIS.

CHAT from Becca Cates to everyone: 11:27 AM

ESI PIT recovery is both with an electronic flat plate detector and tag removal with magnet to prevent duplicate/tag collision which are rescanned which help increase tag detections.

3.6.2.4.1. Astoria Megler Bridge. (Lawonn) ODOT reached out to the regions Avian Predation Forum to build a coalition which would foster potential management of the bridge and move the DCCOs back to ESI. Morrill asked who the WDFW reps were for the forum.

CHAT from James Lawonn -- ODFW to everyone: 11:26 AM
Allison Anholt, Jess Stocking.

3.7. Fish Count Program (Peery, Wertheimer). Night counts completed on 30 September. Two Chums counted at Bonneville Dam in June/July were confirmed via video.

3.8. BON Ladder TDG (Swieca) Flemmer found data from 2006-7 indicating that TDG monitoring in the fishways recorded 130 TDG at the BI B branch exit. More monitoring was suggested but not done. Flemmer said from the studies it appeared to be coming from AWS diffusers. Lorz mentioned concern over the hotspot back then, but what is there to do about it. Swieca iterated that there is no particular ask that they wanted to verify the data.

CHAT from Ben Hausmann to everyone: 9:37 AM
Just sent the FPOM group a 2006 report on ladder TDG.

3.9. BPA Update. Update will be posted this afternoon to the webpage.

3.10. Pinniped update.

3.10.1. BON. – Less than 5 pinnipeds in the tailrace. Pinniped numbers in the tailrace have been low this fall.

3.10.2. Willamette Falls. No update.

3.11. Lamprey update

3.11.1. BON – LPSs are currently operating and expected to be shut down by the end of the month. LPS counts are in the process of being proofed. Lorz asked when the final lamprey passage number including all routes could be expected. A final total passage estimate can be expected around January.

CHAT from Patricia Madson to everyone: 9:47 AM

Uncorrected passage number through 9/30 at the BON LPSs 34,686

3.11.2. TDA – Winterizing the LPS and working on warranty issues. Project fish is working with PNNL and district bios on the juvenile lamprey study for this upcoming season. Lorz asked if there was a way to reduce fishing hours for the new LPS. Grosvenor said MacDonald is working with him to find ways to alleviate the burden from last year. They are looking into options of increasing the holding capacity with a larger tank from JDA. Lampman asked if there is a way to control how many hours it traps. Macdonald said it is not possible to turn them on and off in that way. Swank asked if this increase in capacity idea is a short term fix and if the hybrid of trap and volitional passage is the long term. Macdonald confirmed that is the plan.

3.11.3. JDA-No updates. Lorz asked if the elevator was all taken care of. Miller said it is working and there is funding to do additional work on it. So far it has been reliable. Lorz mentioned coordinating the elevator work around the lamprey work.

3.11.4. NWW – Unit 6 at ICH will be coming down for rehab. This will be the first location that the cooler intake hood will be installed and tested when the unit comes back online.

3.11.5. LAWG-Monthly meeting last week. Draft notes are out.

4. FPOM Coordination/Notification forms (need concurrence/discussion)**4.1. NWW**

- 4.1.1.24MCN11 MFR Oregon shore ladder fish pump 3 out of service, one fish pump operation Actuator motor outage lasted 3 hours. No comments
- 4.1.2.24MCN012 MFR Sampling cancelled due to JCC water elevation fluctuations. No comments
- 4.1.3.24MOC13 MOC Early ESBS Removal – Request to start removal of ESBS’s on lower priority or non-used units was passed to the project for review.

4.2. NWP

- 4.2.1.24BON041 MOC T12 Outage_UPDATE (T11 Cancelled_T12 Delay) – no comments.
- 4.2.2.24BON052 MFR Temporary ITS Outage to Support Unit 4 Commissioning – No comments.
- 4.2.3.24BON053 MFR PH2 Fish Unit 2 Outage –No comments
- 4.2.4.24BON054 MFR PH2 Fish Unit 1 Outage – No comments
- 4.2.5.24BON055 MFR Temporary ITS Outage to Support Unit 3 Flushing – Lorz asked if any sturgeon were seen. Flemmer said there were no sturgeon during the dewater.
- 4.2.6.24BON056 MFR Units 11, 13, and 15 Outages for STS Repairs - No comments.
- 4.2.7.24BON057 MFR AFF Return Pool Chinook Mortality – No comments.
- 4.2.8.24JDA15 MFR Line-4 Outage for Inspection and Installing Linkage Connector Arms - No comments.
- 4.2.9.24JDA16 MOC MU-2 Extended 5-Year to PIN Blades and Delayed 5-Year Maintenance for MU-1 – No comments.
- 4.2.10.24JDA17 MOC Response to Delayed Repairs on JDA SFL AWS Turbines 1 and 2 –Lorz is in favor of option 1 in the MOC, starting the work early. Lorz inquired about confidence in the May date for completion and indicated that anything to speed up the process would be beneficial. Magel agrees with starting work early (option 1) also expressed concern about the possible unknown fixes that could come up during repairs. Miller said they were planning for the worst-case scenario. However, work could begin earlier than January and it could complete in less than five months.
- 4.2.11.24JDA18 MFR Submersible Traveling Screen (STS) Motor Failure in MU1C – No comments.

5. Fish Passage Plan

- 5.1. Final 2024 FPP went into effect March 1 and is available online at:

<https://pweb.crohms.org/tmt/documents/fpp/2024/>

- 5.2. Change Forms – None

- 5.3. Draft 2025 FPP:

- 5.3.1. Due date for draft change forms, Appendix A submissions, and other FPP updates is by no later than FRIDAY, DECEMBER 13.

6. FPOM Task Group Updates.

- 6.1. Adult Fish Passage Delay Criteria (TBD) – Meeting on 15 October at the CRITFC offices and via Webex.
- 6.2. MCN spillway (Peery). Meeting is on 24 October. At the last meeting there was a request for the funding schedule. **ACTION:** Peery will share the schedule for funding and for the ERDC model runs at the next task group meeting.
- 6.3. Budget and Infrastructure Updates. Posted at <https://pweb.crohms.org/tmt/documents/FPOM/2010/> under the Plans, Lists and Charts section updated with new comments or ranking. No updates received. Send ranking to Peery. **ACTION:** Peery will add a column for tracking progress on the items listed.