

Subject: Draft minutes for the 12 December 2024 FPOM meeting. The meeting was held via Webex, from 0900 until.

In Attendance:

Last	First	Agency	Phone	Email
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1. Final decisions or recommendations made at this meeting.

1.1. November minutes approved.

2. FPOM Action Items

2.1. NWS. [Dec 24] **ACTION:** Working on getting an NWS representative on the FPOM call.

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. **STATUS:** Peery is gathering information and will get an inspection summary out to FPOM.

2.2.2. [Dec 24] MCN ERDC Model. **ACTION:** Peery will send to FPOM the model runs that planned so far. **STATUS:** The list of Physical Model Runs has been sent to FPOM via email and attached in the minutes

2.3. NWP

2.3.1. [Dec 24] 24JDA22 MOC LPS Modification Construction Near the NFL. **ACTION:** The MOC will be updated with more detail and a better image/diagram of the proposed work.

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

3. FPOM Updates

3.1. NWS updates.

3.1.1. Albeni Falls. On schedule to award September of 2025. Working on phase one. RFPs on SAM website. Morrill asked if there was good interest. Huddleston indicated there is interest. Iverson asked if the award was for the 33 million approved in 2025. Huddleston confirmed. **ACTION:** Working on getting an NWS representative on the FPOM call.

3.2. NWW Updates

3.2.1. Upcoming coordinated maintenance/construction/research activities.

- 3.2.1.1.24LWG01 MOC Trash Rake Crane – Waiting for crane to be completed.
- 3.2.1.2.24LGS02 MOC Potential Noise - Juvenile Collection Channel. - March 2025, Trash rack raking to be done early prior to crane work.
- 3.2.1.3.24LGS03 MOC Unit 5 Commissioning. – *January 2025.*
- 3.2.1.4.23IHR11 MOC Navlock Tainter Gate Replacement –Start 22 February 2025. Van Dyke asked about a navigation lock closure and how long of a closure. Two 5-week outages in 2025 and 2026 between Feb 22 and Mar 30.
- 3.2.2.LWG tailwater elevation – Change form to be discussed at the FPP meeting to minimize the time pump 1 is in operation. Still working on the schedule for pump outages.
- 3.2.3.MCN JFF early start and fish collection for telemetry evaluation – 24 March. First group of fish to be tagged on 27 March. They will need three turbines with screens down to get the target number of fish. If more is needed, they will accommodate.
- 3.2.4.MCN crane status. No change. Lorz asked if the first hoist install would be 2025 or 2026. Peery said the fall of 2026 to early spring of 2027. No update on the SLABs.
- 3.2.5.MCN ERDC Model. Switched the date to week of 26 January. Model Run T-Th. Priority run will be gate 1 and 2 closed, Peery shared the list of model runs, 5 runs so far. Lorz would like to have a separate discussion on this so folk have some time to think about the runs. Invites and attendance for the ERDC trip was discussed. Hesse recommended attending.

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 updates.
 - 3.3.1.2.BON PH2 Tailrace crane replacement. Work will occur during winter 25/26. No updates.
 - 3.3.1.3.24BON012 MOC B1 Fish Salvage Operations on Oil Leak Investigation Units_ REVISIED. Dewatered Unit 6 yesterday. Almost finished with third set of tail logs to start working three units at once. Fixing blades at unit 10.
 - 3.3.1.4.24BON063 MOC WA Shore Control Section Redesign-Extension Request – Conder stated for the March 1-15 timeframe there are a couple of issues to work through. Hazing efforts both dam based contract and boat based hazing and if they have the correct equipment. Still need discussion on Cascades Island ladder operation. Open but running fish to the forebay and not through the UMT and a half stop of attraction flow on both sides of the spillway. After the 15th if contractor needs extra time or if the fish count bumps up prior. Evidence that pinnipeds are taking advantage and more predation in the area. May need to initiate another operation. Lorz added if there is an earlier run time and sea lion numbers increase, we can work on a trigger or such. CRITFC could help out with the boat but there are supply issues. Trigger mechanism to switch operations, additional hazing, trying to run the AFF. Not have flow going to B2 or somehow making that ladder functional. Morrill said WDFW is available to start to trap and remove early. Tidwell suggested use the three month lead time to look into new removal technologies. Tidwell injected there is a worldwide hazing ammunitions shortage. Locally USDA has enough for this year. Open to work and helping support this effort in the tailrace. Conder said we need a realistic trigger such as 5 or more, to start operation like running the AFF and additional units at PH1. Competing Biops, the EPA and CRS, which Biop has priority. Ebel will bring it up with the states and tribes pinniped folks. The darting and then retrieving the animals is not a new removal technology but is difficult and optics are not good. Van Dyke will touch base with ODFW staff. Kovalchuk updated on contract, additional resources from other districts have been brought in for review processes Contractor is mobilizing on site. The demolition plan has been approved. Demolition will start this

weekend. Currently they are working 12 hours 6 days a week. Weather delays are built into the contractor's schedule. Approximately 20 days total built in. Other actions to make up time include a series of short meetings to get all these questions answered up front and getting reviews done concurrently. Van Dyke would appreciate updates to be kept informed. Lorz asked if there was an incentive built into the contract for getting work done early. Kovalchuk can talk to construction, but negotiations have completed. Condor would like to have additional conversation on hazing, the Cascades Island opening. Peery suggested after FPOM.

- 3.3.1.5.**19TDA04 MOC East side powerhouse crane rails. Updated MOC to come out next FPOM.
- 3.3.1.6.**24TDA03 MOC TDA MU22 Priority. Completed.
- 3.3.1.7.**24TDA09 MOC Early East Ladder Outage for Winter Maintenance -1 adult steelhead, 6 large sturgeon in lower section. Lower part of the ladder a lot of sturgeon. Sturgeon were scanned for Pit tags. Morrill asked if lengths were taken. Grosvenor indicated there was no time for length measurements.
- 3.3.1.8.**18JDA02 MOC Trash rack replacement. No updates.
- 3.3.1.9.**20JDA04 MOC STS crane replacement. Crane is built. Testing occurring 15 - 22 January. Deficiency corrections to follow. Old crane demolition on 19 February.
- 3.3.1.10.**24JDA16 MOC MU-2 Extended 5-Year to PIN Blades and Delayed 5-Year Maintenance for MU-1 - The mechanical crew is ahead of schedule on the MU-2 work and are looking to have it returned to service by Dec 19. they have requested an extension of 4 weeks on the front side of the MU-1 5-year outage to make modifications to the AC/DC system. The new proposed outage dates for MU-1 would be Dec 23-Mar 13.
- 3.3.1.11.**24JDA17 MOC Response to Delayed Repairs on JDA SFL AWS Turbines 1 and 2. Still awaiting funding.
- 3.3.1.12.**24JDA19 MOC Request to Shift NFL Attraction Spill from Bay-2 to Bay-3 (1-week). Out of the spill season now.
- 3.3.2.**JDA north pump #4. Funded for FY25. Engineers looking at doing work in house evaluating area and potential to work behind the butterfly valves or if it needs to go out to contract. Van Dyke asked if this work had been looked at before. Lotspeich said no.

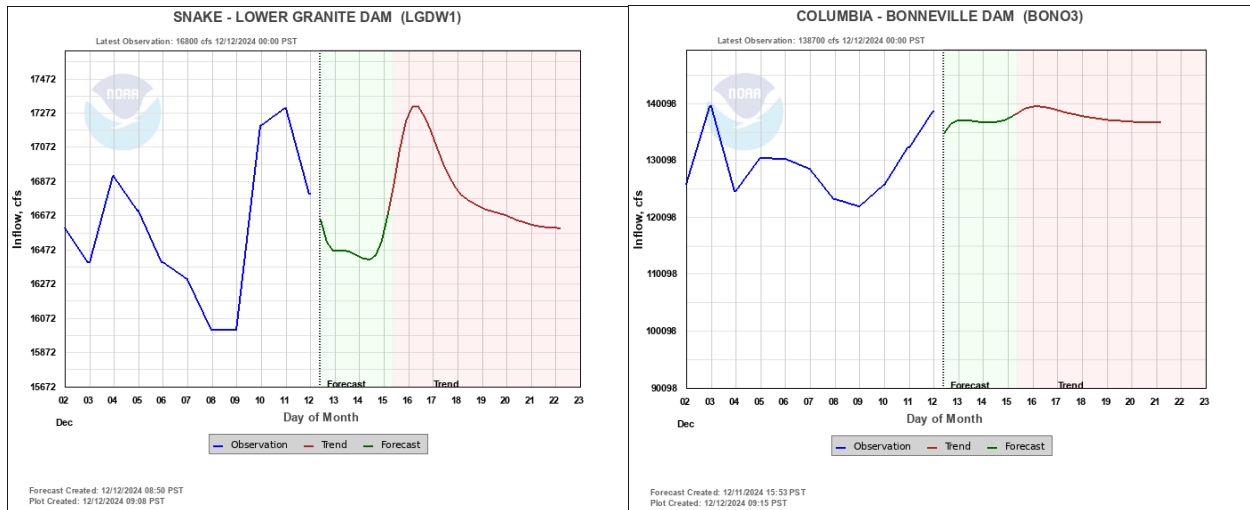
3.4. Research/FFDRWG

- 3.4.1.**FFDRWG – next meeting Jan 2. Lampman and Conder have memos to be presented on lamprey openings for discussed. Agenda will be sent out.
- 3.4.2.**SRWG – AFEP annual review presentations will be uploaded to SRWG website.

3.5. RCC update.

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

Project	Previous Day (12/11) Avg. Outflow (kcfs)	5 Day (12/16) Forecasted Inflow (kcfs)	10 Day (12/21) Forecasted Inflow (kcfs)	Forecasted Inflow Low/High (kcfs)
LWG	14	17	17	16 (12/14) / 17 (12/16)
MCN	125	130	128	128 (12/20) / 130 (12/15)
BON	130	140	137	135 (12/12) / 140 (12/16)



3.6. Avian updates 10:30AM

3.6.1.NWW –Not counting birds at this time. Hazing paperwork will be in place by the time hazing is needed. Some wire removal and replacement at Lower Granite Dam for other work. LMN wire replacement this winter. Tackley asked if there are plans to go to Badger or Crecent Island prior to the season. Peery said yes, they are planning to go out and move brush around to inhibit nesting. Lorz inquired about avian numbers and colonies where the largest take is. Good number birds were on Crescent Island mostly cormorants. Lorz suggested eagle nests to keep them away. Mid-Columbia report with aerial surveys coming out soon. McDowell added that it takes people and time to keep them from roosting and preventing a breeding colony. Lorz asked about use of falconry. Peery said there are no plans for falconry as no funding at MCN. Lorz suggested using falconry on non boat hazing days. Peery said six days a week boat hazing is planned for 2025.

CHAT from Josh Ashline to everyone: 10:34 AM

RTR Avian report should be released in March.

3.6.2.NWP

3.6.2.1.JDA – Bird counts are 1 pelican, 67 gulls foraging, 43 grebes and 4 cormorants. 375 gulls and 48 cormorants non foraging. Hoping to replace wires, waiting for funding for hazing.

3.6.2.2.TDA – Bird counts are 100-200 gulls, 100 DCCO, obligated funds for USDA for next year, pushing paperwork through contracting for 60 days of falconry and replacing some avian lines. Van Dyke asked for an update on the bridge lights. Grosvenor said ODOT added shrouds to pole lights and continue turning off the lights during the spill season.

3.6.2.3.BON – No update. Finalizing MIPR for USDA. Hazing will start on March 1.

3.6.2.4.Estuary –No update. Working on report and prep for next year.

3.6.2.4.1.Astoria Megler Bridge. No update.

3.7. Fish Count Program (Peery, Wertheimer). Video counting at BON and LWG. Ladder will be coming down at LWG. FCS contractor is getting set up for CI station at BON. Setting up a remote counting otherwise a counter will have to be in station.

CHAT from Tiffany Stoeckig-Dixon to everyone: 10:16 AM

LWG is dewatering the fish ladder 3 Jan - 9 Feb

CHAT from Tiffany Stoeckig-Dixon to everyone: 10:17 AM

Corrections 6 Jan - 15 Feb.

3.8. BPA Update. Posted to the FPOM website. Hesse would appreciate more discussion on this section. Van Dyke would like status updates, more detail, and context for the group.

3.9. Pinniped update.

3.9.1. BON. -Less than five animals. Two sea lions were lethally removed.

3.9.2. Willamette Falls. - One Stellar sea lion that they are trying to trap.

3.10. Lamprey update

3.10.1. BON – The FFU will have the letter report out to the region by 28 February. Working toward the LPS counts reporting on the FPC and DART web sites.

3.10.2. TDA – working the PNNL hydrophone deployment for juvenile lamprey study at The Dalles. Winter maintenance activities include doubling holding capacity for the LPS for the start of the season.

3.10.3. JDA- No update. MOC for ladder modifications to be discussed later in the agenda.

3.10.4. NWW – No update. Turbine cooling water intake hood installed on cooling water intake at IHR on unit 6.

3.10.5. LAWG- No significant updates. Plan and hand meeting next week for the new water supplies at JDA. MOC to be discussed later in agenda. Need to be sure we can do the work before we award the work.

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

4.1. NWW

4.1.1.24 LWG 06 MFR Closed 4A Orifice. Lorz asked about plan for a remedy. Peery said the operators have been reminded to monitor orifice gallery. It was an oversight. Morrill said they do not have a sensor in the control room.

4.2. NWP

4.2.1.24 BON063 MOC WA Shore Control Section Redesign-Extension Request – will discuss contingency plans after the FPOM meeting.

4.2.2.24 BON064 MFR Temporary ITS Outage to Support Unit 3 – No comments.

4.2.3.24 BON065 MFR Temporary Outage of Spillbay 18 Attraction Spill for Hydrosurvey – completed awaiting results. Van Dyke asked for more detail on why it took longer than expected as it would be of interest.

4.2.4.24 BON066 MFR Unit 6 Flushing Oil Sheen. During flushing of fish an oil sheen was observed and captured. The amount of oil captured was approximately a gallon.

4.2.5.24 JDA21 MFR Spillbay-2 OOS Due to Gearbox Failure – Still working on it.

4.2.6.24 JDA22 MOC LPS Modification Construction Near the NFL - There will be a total of about 80 anchors. Drilled with a rotary hammer ~75 to 100 decibels. Two weeks within the window 15 March to 15 May. Lorz is concerned about that large of a work window. Jensen – described the work to install the 4-inch piping support every 8 feet. Screw type. Drilling hole 4 inches with the 3/8" diameter. 70-80 screws altogether in about 300 ft of pipe. Lorz added the earlier it can be done the less concern. The more detail the better. Jensen said there is a Plan in Hand meeting on sight. Part of final review on the project. Solicitation expected February with preconstruction submittals of a couple weeks. Work is expected to occur in April could go left or right. Conder mentioned this work

should be done in the in-water work window. In terms of decibel comparison, vibration in the water could be an issue. Lorz would like more detail and a better diagram to the MOC. Van Dyke said getting the work done the earlier the better is the bottom line. **ACTION:** The MOC will be updated with more detail and a better image/diagram of the proposed work.

4.2.7.24JDA23 MFR Sturgeon Mortality During NFL Dewatering – Lotspeich said to mitigate they are updating the dewatering plan. Van Dyke offered to take a look at the revised dewatering plan when it's completed if that is helpful.

5. Fish Passage Plan

5.1. Final 2024 FPP in effect through the end of February 2025 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. Submit draft change forms, Appendix A submissions, and other FPP updates anytime between now and FRIDAY, DECEMBER 13.

5.3.2. Annual FPP Meeting to finalize change forms will be on Thursday, February 6. FOP is handled differently.

6. FPOM Task Group Updates.

6.1. Adult Fish Passage Delay Criteria (TBD). Meeting earlier this week, another one in January.

Trevor said they are moving ahead and expect to get something completed mid-January for the FPP. New folder at the FPOM website.

6.2. MCN spillway (Peery). 9 January after FPOM. ERDC modeling trip.

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. No updates.

As requested, here is the list of the model runs we have written down so far. Please, let us know if you have any additional runs so we can add them to the list and set priorities for our next MCN task group meeting after FPOM on 9 Jan.

Physical Model Runs

1. Original spill table patterns for reference
2. Existing spill tables with split-leaf gates through range of flows,
Vary powerhouse operations, unit availability.
3. Split-leaf gates with bays 1&2 open
4. Low flow/spill operations for navigation
5. Vary tailrace elevations, John Day MOP vs. MIP

Tiffany Stoeckig-Dixon