

Subject: Minutes for the 14 November 2024 FPOM meeting. The meeting was held via Webex, from 0900 until 11:22.

In Attendance:

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| | | | | |
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1. Final decisions or recommendations made at this meeting.

1.1. Comments from WDFW will be added to the October minutes.

1.2. Budget and Infrastructure Updates Task Group -meeting will be held after FPOM.

1.3. 24JDA19 MOC Request to Shift NFL Attraction Spill from Bay-2 to Bay-3 (1-week) -no comments. Work will proceed as requested.

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

2.3. NWP

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

2.4.1. [Oct 24] Budget and Infrastructure Updates. **ACTION:** Peery will add a column for tracking progress on the items listed. **STATUS:** Completed. Fish Infrastructure list update was sent out to FPOM on 4 November.

3. FPOM Updates

3.1. NWS updates.

3.1.1. Albeni Falls. RFP Solicitation closed two days ago. Source selection board will review phase 1 applications for design contractors. Phase 2 in a month. Plan to award September

2025. Huddleston asked about other federal fish passage facilities in the state of Idaho. Fish Passage discussions with tribal partners and other management agencies will be forthcoming. NWS is working to fill Cousin's replacement at FPOM.

3.2. NWW Updates

- 3.2.1. Upcoming coordinated maintenance/construction/research activities.
 - 3.2.1.1. 24LWG01 MOC Trash Rake Crane – still under construction TBD.
 - 3.2.1.2. 24LGS02 MOC Potential Noise - Juvenile Collection Channel. – work is scheduled for March 4-17, 2025, which conflicts with demolition of old raking crane occurring March 18-24. Trash raking of units 1-4 planned for 18-20 February. Old rake sitting over Unit 5 and 6 so they will not be raked until spill season.
 - 3.2.1.3. 24LGS03 MOC Unit 5 Commissioning. – Tentatively scheduled for January 2025. Lorz asked if unit 5 would be available prior to spring. Peery said they were waiting for enough flow to run the unit out of priority and get the contractor return date on the calendar.
 - 3.2.1.4. 23IHR11 MOC Navlock Tainter Gate Replacement – January 2025
 - 3.2.1.5. 24MNC13 MOC Early ESBS Removal – ESBS removal scheduled for 9 December.
- 3.2.2. LWG tailwater elevation – Working on pump maintenance scheduling to avoid using pump 1 during spill season. Pump rehab/replacement has been requested to be an item on the fish asset plan. This could be years out and for now the operation of the pumps is status quo. Looking like an average flow year and if so, this may not be an issue.
- 3.2.3. MCN JFF early start and fish collection for telemetry evaluation – 24 March
Chat from Chuck Barnes to everyone: 9:20 AM
First tagging event scheduled for March 27th at MNA.
- 3.2.4. MCN crane status. No updates.
- 3.2.5. MCN ERDC Model. Peery showed pictures of the full model. Coating will be done by Thanksgiving. Calibration in December. Modeling is on schedule for January. Week of 20 January for the first trip to ERDC.

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. Still on track.
 - 3.3.1.3. 24BON012 MOC B1 Fish Salvage Operations on Oil Leak Investigation Units_REVISED. No updates.
 - 3.3.1.4. 19TDA04 MOC East side powerhouse crane rails. No update.
 - 3.3.1.5. 24TDA03 MOC TDA MU22 Priority. No update.
 - 3.3.1.6. 18JDA02 MOC Trash rack replacement. No update.
 - 3.3.1.7. 20JDA04 MOC STS crane replacement. Contractor will be on site in the next couple weeks to complete the work.
 - 3.3.1.8. 24JDA16 MOC MU-2 Extended 5-Year to PIN Blades and Delayed 5-Year Maintenance for MU-1. Unit 2 pinning is going according to schedule. Morrill asked what PIN meant. Miller described it as fixing the blades at 29 degree position for Unit 2. Lorz added that they drain all the oil when the blades are fixed and asked if 29 degrees was the upper end of 1%. Miller confirmed.
 - 3.3.1.9. 24JDA17 MOC Response to Delayed Repairs on JDA SFL AWS Turbines 1 and 2. On schedule.
- 3.3.2. JDA north pump #4. Funded for FY25. The work is in planning phase for this winter.

3.4. Research/FFDRWG

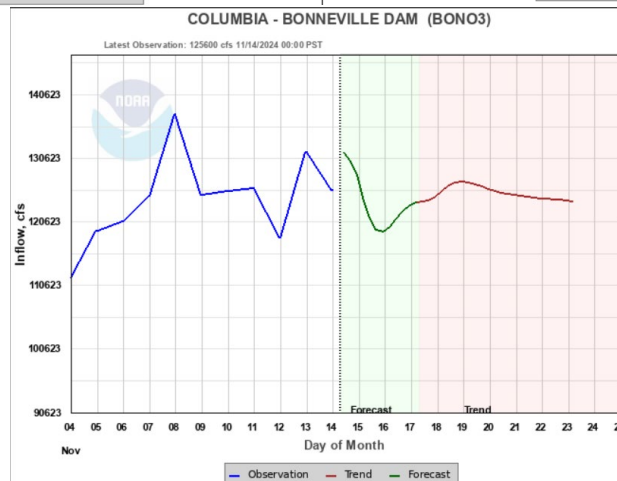
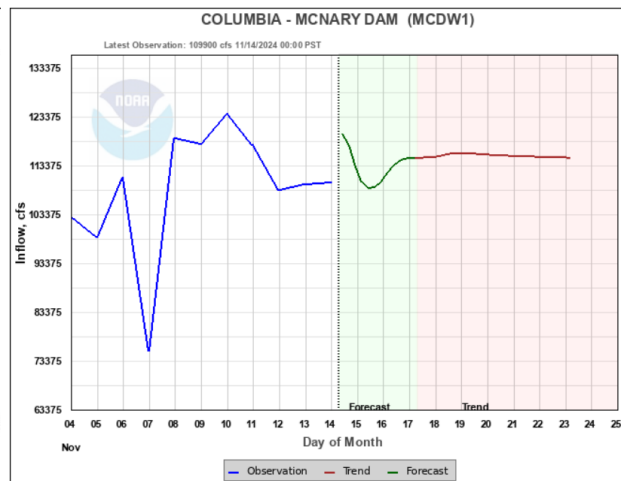
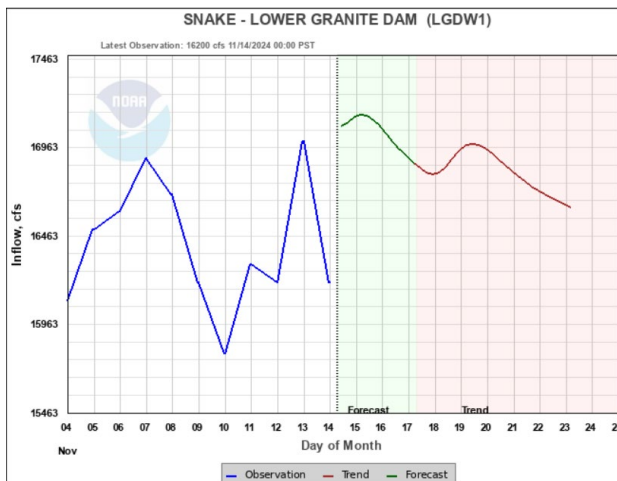
3.4.1.FFDRWG. Notes and presentation went out 13 November. Looking for feedback. Next meeting has a conflict and will be rescheduled.

3.4.2.SRWG. AFEP at The Dalles on 3 December. Still planning on a hybrid meeting. Update for the implementation plan sent from Rerecich last week. Working on the infrastructure for the biological effects on spill study next year. Lorz asked about a meeting to discuss the comments. Van Dyke was not happy that comments prior to a certain date were dismissed. Fielding said they are discussing internally about the plan for another meeting and will get back to the group.

3.5. RCC update.

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

| | Avg Outflow – 13-OCT | Inflow Forecast - 18-OCT | Inflow Forecast – 23-OCT | Inflow Forecast Low / High |
|-----|----------------------|--------------------------|--------------------------|---|
| LWG | 17.3 kcfs | 16.8 kcfs | 16.6 kcfs | 16.6 kcfs on 23-OCT / 17.1 kcfs on 14-OCT |
| MCN | 106.4 kcfs | 115.8 kcfs | 115 kcfs | 108.7 kcfs on 15-OCT / 119.9 kcfs on 14-OCT |
| BON | 116.6 kcfs | 126.7 kcfs | 123.8 kcfs | 119 kcfs on 15-OCT / 131.6 kcfs on 14-OCT |



3.6. Avian updates 10:30AM

3.6.1.NWW –No updates. Bird counts have concluded for this season. PDT looking into avian deterrents at McNary. Site visit with contractor at McNary to look at structures and power. Morrill asked about the falconry. Peery said they were open to it as a potential deterrent at McNary. No dedicated funding right now. A couple work efforts that require removing wires at LWG and IHR. Contracting with USDA to replace wires when work efforts complete.

3.6.2.NWP

3.6.2.1.JDA – 200 birds foraging in Tailrace, 700-800 on guide walls. Grebes around 134 per day. Few DCCO mostly loafing on transmission towers. A few AWPE using Preachers Island

3.6.2.2.TDA – 100-200 gulls around the project, 100-200 DCCO at BPA towers. Working with USDA on next season's line replacement and hazing. Actively working on the work statement for a 60-day falconry contract for this next season to get that to contracting. Stomach and fecal sample data will be presented at AFEP by Lampman

3.6.2.3.BON – FPP required monitoring and USDA hazing concluded two weeks ago. Observed DCCO around 40-50 in PH2 forebay a couple dozen merganser and grebes. Around 50 gulls in the PH2 tailrace.

3.6.2.4.Estuary –FFU has finished demobilizing from the RM&E and O&M efforts this year as well as PIT tag recovery effort at ESI. PIT recovery was pushed well into October due to successful hatching fledging of 170 plus chicks this season. PIT tag data has been compiled and passed off to RTR. Supporting RTR PIT tag recovery on Rice Island. Data will be available at AFEP and in the annual reports. Lorz mentioned work on PIT tag predation rates and stressed the importance of consistency with historical data. Macdonald said that is in the works. Lawonn asked about hatchings. Tidwell mention data is CAP flight and they do not do daily blind counts. Lawonn said the USFWS is doing a regional census this year. It doesn't include productivity data. Productivity data would benefit the analysis.

3.6.2.4.1.Astoria Megler Bridge – ODOT met with the regional predation work group Action Items included management of the bridge.

3.7. Fish Count Program (Peery, Wertheimer). Counting stopped at most locations on 31 October. Daytime live counts continue at BON and that will end the end of November, winter video at LWG and BON until ladders go down and then video resumes when ladders are up again.

3.8. BPA Update. Posted to website.

3.9. Pinniped update.

3.9.1.BON. – Trigger is 20 animals to start monitoring. Point counts are done daily. Currently less than 5 animals in the tailrace areas. Tidwell reported a letter received from IDFG addressing the 20-animal trigger threshold for monitoring. The trigger is being evaluated, update next month. The letter is to propose an FPP change form for monitoring. Morrill asked what area the counts are taken. Wertheimer said counts are taken from Tanner creek outflow up to the base of the dam. Permit holders are requesting data, which is preliminary, the report will be out February.

3.9.2. Willamette Falls. – Scheduled survey of lower Willamette going on this week. tracked 2 Stellar sea lions, 1 Stellar sea lion lethal removal.

3.10. Lamprey update

3.10.1.BON – Dewatered this week. Working toward letter report. Working toward the LPS counts reporting on FPC.

Chat from Becca Cates to everyone: 9:53 AM

LPSs were dewatered at BON last week with the help of Fish Field Unit and Bon Project personnel.

- 3.10.2.TDA – Coordinating upcoming juvenile lamprey study activities. Looking at increasing holding capacity for the LPS holding tank at the east fish ladder from 300 to about 1,000 gallons prior to next season. Morrill asked if there are flow guidelines for lamprey, Grosvenor provided that 1 gallon per adult lamprey with 30-minute turnover is the requisite.
- 3.10.3.JDA- Working on the main water supply for north ladder LPS plans. 90% review has been completed, should be coming soon.
- 3.10.4.NWW – Contractor on site at IHR unit 6 working on the scroll case and install exclusion devices. Barnes will share pictures.
- 3.10.5.LAWG - Met last week at Pendleton preparation for adult and juvenile passage studies at BON and TDA. Please review study plans. Swank asked if the Washington shore control section work does not occur this year is the study going to be postponed. Macdonald said their recommendation is for the study to go forward without the one objective. Ongoing protest will impede construction of Washington shore serpentine section this winter. Lorz asked about the funding and where is that money going. Conder asked about changing the ladder outage schedule. Options are still being discussed.

Chat from Tammy Mackey to everyone: 10:00 AM

It should be noted that the funding doesn't readily allow for changing the outage schedule. NWP will have to do a bit of internal coordination to see if they can pull that off.

Chat from Ralph Lampman to everyone: 10:01 AM

Can we try to do more maintenance on the ones scheduled next year (so that we can do the dewatering on the WA Shore)?

Chat from tom lorz to everyone: 10:03 AM

That is what we would need to work through, is there critical work that needs to get done or can we do short dewater at WA shore this year and do more at cascade and such, then allow for extended outage for 25-26...

Chat from Jeanette Flemmer to everyone: 10:06 AM

Discussions with BON Project regarding the path forward with winter maintenance outage schedules is ongoing. There are several large projects currently scheduled for FY26 IWWP (PH2 Tailrace Gantry Crane and Bradford Island Fishway exit dredging). We are discussing options forward with BON Senior Staff, Maintenance personnel, and Erin K. There is critical work that needs to be completed this winter in the WA Shore/Cascades Island Fishway and we are currently in a situation where we have limited PH2 unwatering pumps and may need to borrow the B-Branch unwatering pump for this year's dewatering. I do not see it being very feasible to do a half season or partial WA Shore dewater this year.

Floating adult lamprey collector presentation by Lampman. Lampman indicated placement areas need high lamprey abundance, a pinch point along a wall to guide them, and some kind of protection from flows. Peery asked if power was needed. Lampman said power would be needed for the pumps Three sites being suggested, BON Washington shore area next to ladder entrance, The Dalles east ladder entrance area, and The Dalles sluiceway outflow area. Macdonald said most locations being proposed have difficulties associated. They are looking for ideas for areas where there is concentrations of lamprey and easy access. Gallion asked about the 408 review Macdonald said there will need to be a review for each location. Peery suggested 15-mile creek at The Dalles as a potential location. Conder is concerned about salmonid impact at suggested placement locations. He added that some video sampling would be needed to see what interactions there are.

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

- 4.1.1.24 IHR 07 MFR Unit 3 operated out of unit priority – No comments.
- 4.1.2.24 IHR 08 MOC Dam Safety Inspection – No comments.

4.2. NWP

- 4.2.1.24BON058 MFR Maintenance to Hydraulically Lock Runner Blades on Bonneville Powerhouse One Unit 10 – Going forward with a short term solution fixing the runner blades. Long term would be to return to full capability. 25.5 degree blade angle using old TSP turbine survival research. Flemmer said that would keep them in the 1% range until they hit 45 Ft head. Ultimate flow range for PH1 between 8.5-11.5 KCFS. Aiming for the mid. Lorz will review. Conder agrees with the selection.
- 4.2.2.24BON059 MFR Temporary ITS Outage to Support Trolley Pipe Inspection – no comments.
- 4.2.3.24BON060 MFR Temporary ITS Outage for ROV Inspection of PH1 Trolley Pipes – no comments.
- 4.2.4.24BON061 MFR PH2 Out of Unit Priority Order Due to Unit 12 STS Ground – no comments.
- 4.2.5.24BON062 MFR Temporary Spillway Outage to Support Trolley Pipe Inspection – no comments.
- 4.2.6.24TDA09 MOC Early East Ladder Outage for Winter Maintenance – no comments on this MOC.
Lorz asked if the north ladder was going to be dewatered also to see what they are dealing with after the rockslide damage. Grosvenor confirmed that ladder will be going down second, and the project is getting a PDT started for the north ladder rockslide.
- 4.2.7.24JDA19 MOC Request to Shift NFL Attraction Spill from Bay-2 to Bay-3 (1-week) – no comments.
- 4.2.8.24JDA20 MFR Spillway-2 and MU-1 Outages for PNNL Equipment Retrieval – 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 –

- 5.2.1. 24BON002 – B-Branch Entrance Gates – Match operations at CI. No comments.
- 5.2.2. 24LMN003 - Unit 5 Fixed-Blade – To prevent oil loss unit. Conder asked if unit 1 had full capability. Wright said yes, all other units except unit 5 have full capacity.

- 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.

6. FPOM Task Group Updates.

- 6.1. Adult Fish Passage Delay Criteria (TBD) – Pursuing some minor changes to the FOP language that will refine the trigger and drafting changes to be submitted for consideration by mid January.
- 6.2. MCN spillway (Peery). Next meeting is 27 November recommend skip this one and update on the December FPOM.
- 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. Send ranking to Peery. Task Group meeting after today's FPOM.

