

Subject: Draft minutes for the 09 May 2024 FPOM meeting. The meeting was held via Webex, from 0900 until 1200.

In Attendance:

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1. Final decisions or recommendations made at this meeting.

1.1. April meeting minutes – approved.

2. FPOM Action Items

2.1.NWS

2.1.1.[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:** *Pending*

2.2.NWW

2.2.1.[Jan 24] Falconry at MCN. **ACTION:** There will be a trial with falconry at McNary prior to the start of hazing. **STATUS:** *No Falconry this year. CRITFCs contract with the falconer is only a couple more weeks, they spent some time working on the Umatilla River and when they came back to McNary an osprey pair had started building a nest on the outfall. As osprey and falcons don't mix well it was decided not to do the falconry at McNary this year.*

2.2.2.[Feb 24] LGS Fishway Cooling Pump Repair/Replace. Lorz asked for an After Action for future cooling structures design considerations. **ACTION:** Peery has requested an After Action and will provide it to FPOM. **STATUS:** *Still Pending.*

2.3.NWP

2.3.1.[Apr 24] BON PH1 Unit outages - EPA is standing their ground on not rolling the units, however there is a lot of regional backing to support spinning the units prior to dewatering. **ACTION:** Conder said that he would speak to his policy folks and others should speak to theirs concerning dewatering of the units. **STATUS:** *Completed. Policy folks from the fed side are aware and have been looking at the conflict between oil release settlements and*

fish protection and believe this is not an automated decision. Conder said in some cases, there's a volume allowed under our BiOp and it's a pretty high volume. When it comes to violating provisions in the CRS biological opinion for fish NOAA wants to have that discussion on tradeoffs as soon as possible. Flemmer added the current plan is to provide a pre spill notification to the Coast Guard, EPA DQ, and Dept of Ecology. Invite these parties to the dam for a site visit and hopefully get the ok to flush the units, complete the dewater, fish salvage, and mitigate with booms in the water and booms downstream. An MOC will be coming out once OC approves. Lorz asked that the type of oil and how it breaks down be included in the MOC. ACTION: Flemmer said she will research and report oil release properties in the upcoming dewatering MOC. Swank asked when the next restart is for one of the units. Flemmer said unit 9 is scheduled for August.

2.3.2.[May24] Pinniped - **ACTION:** Van Dyke will update when this week's report comes out.

2.3.3.[May24] Budget and Infrastructure Updates. **ACTION:** Both Walker and Peery will ensure the information is up to date.

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

2.4.1.[Apr 24] B2CC on/off indicator **ACTION:** Wertheimer will discuss with BON project and determine path forward. **STATUS: Completed.** A footnote has been added to the TMT website for miscellaneous flows at: [Bonneville Hourly - Monday April 29, 2024 \(crohms.org\)](https://crohms.org).

3. FPOM Updates

3.1. NWS updates.

3.1.1.Albeni Falls. – timelines the same. On track for spring early summer advertisement. Issue with spillway gate during rehab, not much more info.

3.2. NWW Updates

3.2.1.Upcoming coordinated maintenance/construction/research activities.

3.2.1.1.LGS Fishway Cooling Pump Repair/Replace. New pump 3 has been delivered and is being installed. It should be operational by summertime. Pump 1 sent for repair was not repaired. It has been returned to the project and they are discussing in plan for finding a different contractor or inhouse repair strategy. Pump 2 motor is in the shop for a rewind. Currently there is only one pump on site. Conder asked what happened with the contractor. Lorz asked if funds were returned. Peery said he did not know. Lorz was concerned about pump installation this time around. Peery added that they were on the same page to get it done correctly and avoid previous issues with install involving abraded power cords and routing of the cables.

3.2.1.2.24LGS02 MOC Potential Noise - Juvenile Collection Channel –Preliminary work is proceeding. The concrete work has not been done yet. Work is near the juvenile collection channel and not the adult fishway areas.

3.2.1.3.24LGS03 MOC Unit 5 Commissioning Rescheduled for late May if flows allow for 72-hour run with unit 1 running at gas cap spill. Contractor found another issue with a bent stator bar which may push it to the right. Forecast shows a two-week window to get enough flow for gas cap and the running of two units. Due to needed repair they are unsure if the unit will be ready in that time frame.

3.2.1.4.23IHR11 MOC Navlock Tainter Gate Replacement February 2025 - no update.

3.2.2.LMN Powerhouse Outage. Temp solution is to isolate T1 and T2 and operate T1 which is units 1-4, while they work on T2 bushings. The project is able to energize the PH that morning.

3.2.3.MCN crane status. No new updates.

3.2.4.MCN ERDC Model. Laughery said things are going well with ERDC. There are no issues with the process of site prep and pedestals shaving sections with the acrylics. Morrill asked how the contours were being made. Laughery said they are using a computer guided router called a CNC machine. Conder asked about gaps when the foam blocks are assembled. Laughery said they are assembled and coated with Rhino liner to seal it. Ebel asked how recent that bathymetry is. They are using the most current data, within the last five years. Laughery noted the river bathymetry downstream from the dam is pretty stable. Most changes are up close to the dam in the stilling basin.

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 FPP conflict. Work may not begin for many years.

3.3.1.2.BON PH2 Tailrace crane replacement. Work will occur during winter 25/26.

3.3.1.3.24BON010 MOC B2FGE Post Construction Evaluation 2024 – Evaluation is underway and going according to schedule. There is one month remaining until the switch over to summer testing. Testing is going well despite the low flows. First sonar impingement evaluation was this morning,

3.3.1.4.19TDA04 MOC East side powerhouse crane rails. No update.

3.3.1.5.24TDA03 MOC TDA MU22 Priority. No update until August.

3.3.1.6.18JDA02 MOC Trash rack replacement. No update

3.3.1.7.20JDA04 MOC STS crane replacement. Scheduled to start 1 June.

3.3.1.8.24JDA05 MOC Installing the Lamprey Modified SE-1 Weir in John Day SFL. Complete. The project is awaiting some as built drawings.

3.3.2.BON PH1 Unit outages – discussed during 2.3.1 update.

3.3.3.JDA north pump #4. Budget request has been submitted. No updates.

3.4. Research/FFDRWG

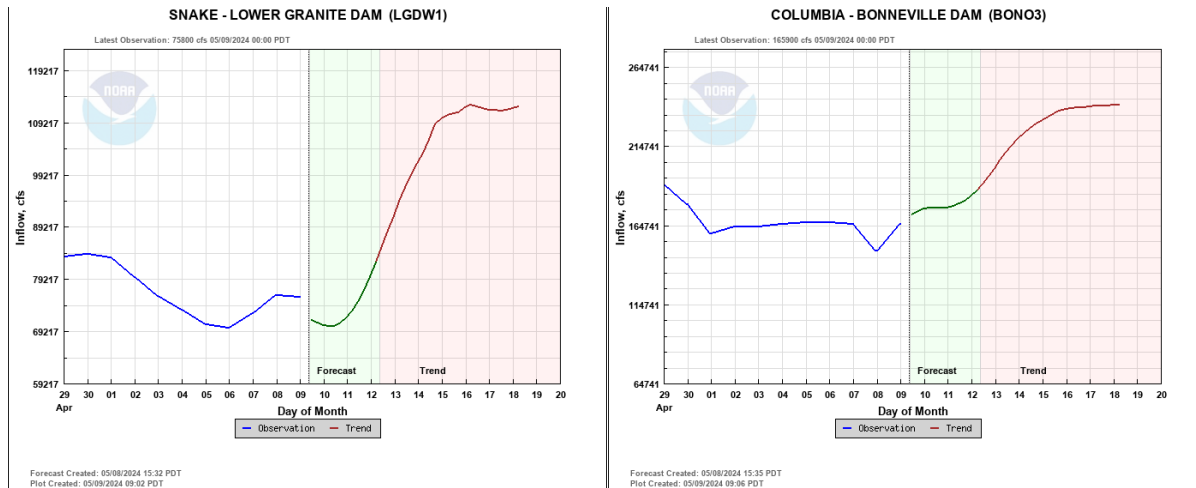
3.4.1.FFDRWG. – 6 June next meeting

3.4.2.SRWG – letter for attended proposals on 17 May. Special meeting on spill affects 22 May. MCN balloon tag study updated mid-week next week. Invites forthcoming next week.

3.5.RCC update.

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

Project	Previous Day (05/08) Avg. Outflow (kcfs)	5 Day (05/13) Forecasted Inflow (kcfs)	10 Day (05/18) Forecasted Inflow (kcfs)	Forecasted Inflow Low/High (kcfs)
LWG	75	94	112	70 (05/10) / 113 (05/16)
MCN	141	188	225	156 (05/09) / 225 (05/18)
BON	165	206	241	172 (05/09) / 241 (05/18)



3.6. Avian updates 10:30AM

3.6.1.NWW – Actively hazing and counting. McNary reported several hundred gulls a day, 66 DCCO, no terns and half dozen AWPE. At Snake River, IHR has dozens of gulls and DCCO, and a couple hundred AWPE. At LGR there is over a hundred gulls a day, and few pelicans. Lawonn asked about Corp plans for Crescent Island, DCCO colony moved from Foundation to CI. Peery said recent visits to the area did indicate usage by DCCO. They should be getting some aerial views, but he does not have an update from RTR. Dissuasion options will need to be determined. Peery said a comprehensive plan would need to be developed for the area. Lawonn pointed out that CI is a dredge material Island similar to those in the estuary and wondered if there is a policy with that island. Lampman asked about lethal take, he is looking to work with the McNary project to get some gut sub samples for metabarcoding analysis.

3.6.2.NWP

3.6.2.1.JDA – 18 AWPE, up to 10 gulls, 15 Grebes. No lethal needed yet. Lorz asked about boat hazing schedule. Lotspeich said they are out there every day from ~7: to 2:00.

3.6.2.2.TDA – USDA is hazing 7 days a week for an 8 hr block. Lethal take of six birds so far. Counts range from 6-50 gulls during boat hazing and 100-200 after. Falconry started on 27 April, with work focusing on the towers right now. ~ 10 AWPE counted downstream. Kooi updated that lethal was around 10 so far. Lawonn was interested in the number of active DCCO nests on the towers. Grosvenor estimated 50 active nests at towers. Lawonn said it appears that the DCCO are not having any issues rebuilding nests that were removed last winter. Grosvenor said BPA came out and added Bird Guard sound system and together with the hazing doesn't appear to be effective. Lawonn inquired about the location of lethal take. Kooi conveyed most hazing is near dam but below the bridge and added that hazers stay close to the BRZ and where the foraging occurs. Lorz asked if falcons also work downstream in the afternoon after the boat leaves. Grosvenor replied the falconers bounce back and forth between downstream and tower's locations. He added only two more weeks of falconry remain.

CHAT from Eric Grosvenor to everyone: 11:03 AM

38 DCCO nests on towers at TDA as of last Friday.

3.6.2.3.BON –bird numbers at BON are low. Hazing is ongoing. Gulls are mainly at B2CC and the Juvenile outfall. Counts are from a few up to a max of 40.

3.6.2.4.Estuary – Rice Island ~2000 RBGU and 150 CATE. No AWPE or DCCO on island this week. RBGU are scrapping and dropping some eggs. Western Glaucus gulls have

depredated eggs. 22 CATE scraps were counted, and no eggs were found. Both Miller and Pillar Islands have low numbers ~12 DCCO, less than five gulls, AWPE flying in an out of the back side of the island where it is difficult to get a good count. 250 DCCO counted on north pilings west of Rice Island. Lawonn asked about ESI status. Tidwell added a cap flight was three weeks ago and photos have yet to be enumerated. Observed no terns, large gulls only and DCCO have yet to be enumerated at ESI. Clarification the permit is a CATE and DCCO egg take permit not a gull take permit.

3.6.2.4.1. Astoria Megler Bridge. Survey last week. The colony appears to be the same size as last year. Last year was est. at 5,000 breeding pairs on the bridge. Peak in early June.

3.7. Fish Count Program (Peery, Wertheimer). No new updates.

3.7.1. Haffey (Four Peaks) gave a presentation on their Bluefish AI Camera use for the fish counting program – It is a video camera with a computer attached to it. Testing started at BON in 2023. The camera captures images of passing fish and transmits best image with additional information such as direction and size. The images are reviewed manually, and data entered in the database for the count. Conder asked about having an algorithm for species recognition and adult/jacks. Haffey noted it has about 75% accuracy as a proof of concept. They are working toward a species identification, and clipped, and injury identification using around 5,000 images to develop the algorithm. Swank asked about BT applications. Haffey said they are working on it but there are hurdles with training and verification due to low numbers of bull trout. Ebel asked if training is needed for each window. Haffey indicated that a training time that is site specific needs to occur for the camera to work accurately. Conder suggested using this for the 10-minute breaks. Van Dyke asked about the manual count comparison on the graphics. Haffey said it was a tracking accuracy validation.

3.8. BPA Update. Schedule available on the FPOM website. Mackey said they are assessing PH line clearances due to the increasing warm weather and the permitted clearances. Findings will be shared.

CHAT from Tammy Mackey to everyone: 11:08 AM

https://www.youtube.com/results?search_query=transmission+line+sag

3.9. Pinniped update.

3.9.1. BON. Only observing PH2 and SPW. Numbers have been decreasing as well as predation. Pont counts, 15 EJU, 2 ZCA yesterday.

3.9.2. Willamette Falls. Last survey updated last week was eight ZCA, no use of the trap.
ACTION: Van Dyke will update when this week's report comes out.

3.10. Lamprey update

3.10.1. BON – LPSs are up and running with all optical sensors on and awaiting fish. Traps are not running yet.

3.10.2. TDA -LPS updates to O&M and SOP manuals. Plan is to start LPS next week and monitor for fish and release to forebay until translocation starts. In addition, work is ongoing to update drawings for the east fish ladder exit weir lamprey orifices.

3.10.3. JDA- north ladder elevator set to RTS week of the 27th May to be ready for 1 June.

3.10.4. NWW – latest update on cooling strainer inspections is on the website.

3.10.5. LAWG- juvenile lamprey survival study is ongoing. Report will be sent to the group today.

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

4.1. NWW

4.1.1.24LMN01 MFR BPA Line Outage – Peery indicated that the T1 line has been energized today.

4.1.2.24MCN04 MOC Bay 22 Wall Dogs – No issues, it took most of the day.

4.2. NWP

4.2.1.24TDA04 MFR TDA gatewell mort – Swank asked about scanning for PIT tags as this one was not. Grosvenor said they are generally scanned for PIT.

4.2.2.24TDA05 MFR Fish unit 1 Temporarily Out of Service – No comments

4.2.3.24TDA06 MFR Sewage spill in East Fishway South collection channel – Project is assessing sewage spill. 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

6. FPOM Task Group Updates.

6.1. MCN spillway (Peery). Next MCN task group 23 May.

6.2. Budget and Infrastructure Updates. Updated spreadsheet posted to the January FPOM website folder. **ACTION:** Walker and Peery will ensure the information is up to date.

6.3. The Dalles Dam Ice and Trash sluiceway early opening- Wertheimer said there was a task group on this and Bellerud was the chair. He recommended work on this issue under the existing task group.