

Subject: Draft minutes for the 13 June 2024 FPOM meeting. The meeting was held via WebEx, from 0900 until 1200.

In Attendance:

Last	First	Agency	Phone	Email
Adams	Michael	NWP-BON		Michael.D.Adams@usace.army.mil
Andes	Caroline	BPA		caandes@bpa.gov
Baus	Doug	RCC		Douglas.m.baus@usace.army.mil
Bettin	Scott	BPA		swbettin@bpa.gov
Borchert	Nick	USDA		nick.j.borchert@usda.gov
Braun	Mark	NWP-FFU		Mark.W.Braun@usace.army.mil
Conder	Trevor	NOAA		trevor.conder@noaa.gov
Cooper	Erin	FPC		ecooper@fpc.org
Ebel	Jonathan	IDFG		jonathan.ebel@idfg.idaho.gov
Fielding	Scott	NWP-PME		Scott.d.fielding@usace.army.mil
Flemmer	Jeanette	NWP-BON		jeanette.c.wendler@usace.army.mil
Gibbons	Karrie	NWP-FFU		karrie.m.gibbons@usace.army.mil
Gossett	Tucker	NWP-BON		tucker.f.gossett@usace.army.mil
Griffith	Denise	NWW-LMN		denise.s.griffith@usace.army.mil
Gross	Jim	NWP-BON		James.M.Gross@usace.army.mil
Grosvenor	Eric	NWP-TDA		eric.grosvenor@usace.army.mil
Hausmann	Ben	BPA		bjhausmann@bpa.gov
Hesse	Jay	Nez Perce		jayh@nezperce.org
Huddleston	Andrew	NWS		Andrew.J.Huddleston@usace.army.mil
Kooi	Kris	USDA		kristopher.l.kooi@usda.gov
Laughery	Ryan	NWW		Ryan.O.Laughery@usace.army.mil
Lorz	Tom	CRITFC		lort@critfc.org
Lotspeich	Michael	NWP-JDA		Michael.D.Lotspeich@usace.army.mil
Mackey	Tammy	BPA		tmmackey@bpa.gov
Madson	Patricia	NWP-FFU		patricia.l.madson@usace.army.mil
Magel	Chris	NOAA		Chris.magel@noaa.gov
Miller	David	NWP-JDA		david.l.miller@usace.army.mil
Morrill	Charlie	WDFW		charles.morrill@dfw.wa.gov
Peery	Chris	NWW		Christopher.A.Peery@usace.army.mil
Peterson	Christine	BPA		chpetersen@bpa.gov
Porter	Laurie	CRITFC		porl@critfc.org
Sechrist	Juddson	USBR		jsechrist@usbr.gov
Silver	Greg	CRITFC		gsilver@critfc.org
Snyder	Deborah	NWW		Deborah.L.Snyder@usace.army.mil

Stoeckig-Dixon	Tiffany	NWW		tiffany.m.stoeckig-dixon@usace.army.mil
Swank	Dave	USFWS		david_swank@fws.gov
Tidwell	Kyle	NWP-FFU		Kyle.S.Tidwell@usace.army.mil
Urmston	Jennifer	USFWS		jennifer_urmston@fws.gov
Van Dyke	Erick	ODFW		erick.s.vandyke@odfw.oregon.gov
Walker	Chris	NWP		Christopher.E.Walker@usace.army.mil
Wertheimer	Bob	NWP-FFU		Robert.h.wertheimer@usace.army.mil
Wright	Lisa	NWD-RCC		Lisa.S.Wright@usace.army.mil

1. Final decisions or recommendations made at this meeting.

- 1.1. May minutes approved.
- 1.2. 24MCN005 MOC Bay 22 & 21 Wall Dogs – FPOM agreed it was important to move ahead with this work to stay on schedule.

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. [May 24] 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. **STATUS: Completed.** Updates posted to June FPOM. Van Dyke inquired about the document and said it appeared that non routine items are not getting maintenance this is a grey area. Mackey explained that this was an informational document to share with regional partners what work was not getting prioritized for funding and give the region an opportunity to weigh in on those funding priorities. Condor said NOAA was aware of several items critical for fish passage that were not getting funding. First step to identified items, list items unfunded, and present them to regional forum and rank by co-managers as required. This is a tool to get attention to items needing funding. It has spot-lighted some issues and gotten some funded. Morrill and Ebel asked for a separate location on the FPOM website to post this document for easy access. **ACTION:** Peery will find a location on the FPOM site to post the non-routine items spreadsheet. Peery suggested a separate worksheet with items that have been completed. Morrill suggested creating a folder such as infrastructure needs to store the document.

2.2.2. [June 24] Additional Delay and Criteria for operational changes **ACTION:** Peery will set up a Task Group and meet as early as July.

2.3. NWP

2.3.1. [June 24] FFDRWG - **ACTION:** Jake and Chuck will work with Ryan to communicate with Andrew about using FFDRWG as a coordination forum.

2.3.2. [June 24] BON PH1 Unit outages - **ACTION:** Adams will check with the environmental compliance coordinator to verify which regional regulators have been contacted for coordination and ensure the right people are being engaged. **ACTION:** Adams will investigate how the shifted dollars will impact other prioritized activities.

2.3.3. [June 24] 24BON012 MOC B1 Fish Salvage Operations on Oil Leak Investigation Units - **ACTION:** Flemmer will address comments received in an updated MOC.

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

2.4.1.[Apr 24] BON PH1 Unit outages. 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. **STATUS: Completed.** *The type of oil released has been reported out in the 24BON012 MOC sent to the region for review.*

2.4.2.[May24] Pinniped - **ACTION:** Van Dyke will update when this week's report comes out. **STATUS: Completed.** *Update sent out to FPOM with May minutes.*

3. FPOM Updates

3.1.NWS updates.

Albeni Falls. Van Dyke wants to know why Seattle rep is not on. Mackey said Andrew is on another call and will sign in when he can. Ebel is wondering how the new passage facility at Albeni Falls is being coordinated with the region.

CHAT from Andrew Huddleston to everyone: 9:22 AM

Apologies for my delay in jumping on the meeting. No new updates on AFD fish passage other than we are planning to go out for solicitation in approximately 3 weeks. I am looking forward to sharing more when I can

3.2.NWW Updates

3.2.1.Upcoming coordinated maintenance/construction/research activities.

3.2.1.1.LGS Fishway Cooling Pump Repair/Replace. Installed and turned-on temp criteria met last week. Other two pumps will be spares and are still out of operation. One is in the shop to have motor rewound, expected back this summer, and the other pump is back at the project. The project is accessing what is needed for repair and potential contracting needed to get this one running. Ebel is concerned about the confidence in the new pump operations and suggested reducing usage. Peery indicated problems with the pump originated from installation and mounting of the pump not how it was operated. Lorz asked if the failing point was identified. Peery said the initial pump cables were not secured correctly and the vibration caused damage to the wire insulation and seals allowing water to get into the motors. There is a new mounting system for the cables. The cables have been routed to make them more secure and thus avoid the initial problem. Van Dyke asked what temp criteria was used. Peery said 64 degrees in the top half meter of TW.

Chat from Ryan Laughery to everyone: 9:28 AM

June 8th 19:00 - 64.7degrees @0.5m LGS FB

Chat from Erick Van Dyke to everyone: 9:30 AM

Thanks Ryan I was looking at the early five days. so the pump was turned on 19:00ish on the 8th of June?

Chat from Jonathan Ebel to everyone: 9:35 AM

I understand that its a trigger type criteria, but turning on the pump because the temperature was exceeded for 1 hour on the hottest day of the year to date seems odd to me. Maybe we should think about that trigger in terms of "exceeds Temp for > X consecutive hours" or "for at least X hours over Y number of days". But then again, if it won't harm functionality during the period when it is really needed then that's fine with me.

Chat from Trevor Conder to everyone: 9:37 AM

The pump turn on criteria was based on a trigger/temp when ladder differentials begin to appear. It was based on a long reievew of ladder temp data and forebay string data.

Chat from Jonathan Ebel to everyone: 9:41 AM

Trevor. I'm not arguing against 64F as the trigger. Its just that the forebay touched that temp for one hour on one day before dropping 6 degrees and hasn't gotten back up to 64. So it seems to me that the Corps may not need to use the electricity to run the pump until we enter a period where the temperature is consistently at or near the criteria.

Chat from Ryan Laughery to everyone: 9:42 AM

LGS ladder was seeing differentials around 2 to 3 degrees F. Differentials dissapeared June 9th in the afternoon.

Chat from Trevor Conder to everyone: 9:42 AM

Turning the pump on and off is not in the best interest. In most years, once we hit 64, it will be over 64 shortly.

Chat from Erick Van Dyke to everyone: 9:43 AM

I feel like it might be a good idea to look at this closer. Thanks for looking into more detail Ryan.

Staff was out of office during peak flow, probably will miss highest TDG for this year.

Chat from Chris Magel to everyone: 10:00 AM

I agree with Trevor...probably not the best idea to be turning pumps on and off too many times. Unless there's a negative impact to fish passage to have those cooling pumps on, once we trigger, I would think to leave them on. Unless they are on some sort of VFD, the on/off puts a lot of stress on pump and surges electricity

Chat from Ryan Laughery to everyone: 10:03 AM

It would be a great forum on facility requirements, I can get him up to speed.

- 3.2.1.2.**LMN Reconnect T2 – T2 is still disconnected. Plan is to reconnect T2 around the end of August. MOC will come out when project has a date lined up. PH outage will be needed for welding. [Added note; the connection will likely not be welded so easier to disconnect if needed in the future] During this time, they will be spilling most of the river except station service. Ebel asked how many days. Peery thought just a day. Ebel said end of August would be best.
- 3.2.1.3.**24LGS02 MOC Potential Noise - Juvenile Collection Channel. Work planned for July to add electric conduit to NavLock. Still pending.
- 3.2.1.4.**24LGS03 MOC Unit 5 Commissioning. Delayed until the Fall. They are past the window where there will be enough flow to operate both unit 1 and unit 5, now are looking at sometime this fall.
- 3.2.1.5.**23IHR11 MOC Navlock Tainter Gate Replacement February 2025. No change.
- 3.2.2.**MCN crane status. Peery shared slides posted to the June monthly. Crane project presented to CWG. Contract awarded for first hoist replacement. Handrails still looking at July - Aug for assembly and install. SLABs solicitation to come out soon. Trying for FY25 spill season availability. Peery
Gates will need to be replaced. No benefit to repair existing gates. Phase 1A design will come in later than the hoists. Planning on 3 gates a year. Lorz asked if they would still use existing gates. Peery confirmed that available gates would be used. Bettin said gates on both sides would need to be closed when changing in new gates. Lorz said not good during the spill season. Lorz does not want to mess with the spill pattern. They did not hit the gas cap spill level this year. As a follow up on Hesse's question last month about using JDA to offset McNary gas cap spill, Peery said division was not planning to change spill at other projects due to McNary gas cap spill. Fish conversion rates looked good. No evidence of passage issues. The results for acoustic telemetry study are due in December. Lorz asked if there would be preliminary data available prior to December. Peery said unknown at this point. Hesse asked if adult passage metrics for adult fish passage delay needed to be discussed. Peery thought a task group would be the way to go. Hesse said he supports that. Morrill shares this view. Van Dyke asked what topic we are on at this point.

Did a second survey on TDG on the split leaf operation on 30 May, spilling 144K readings were 120-121 TDG and 120.7 at the gauge station.

3.2.3.MCN ERDC Model. Work is proceeding and trials planned for early next year with new model.

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. The PDT is active again Flemmer and Trachtenberg will give an update soon and a new MOC will be forthcoming. This work will take longer than anticipated except work around the ladders will be done within the in-water work periods.

3.3.1.2.BON PH2 Tailrace crane replacement. Work will occur during winter 25/26. Handrail replacement will be done in FY24/25 for prework.

3.3.1.3.24BON010 MOC B2FGE Post Construction Evaluation 2024 – Flemmer said they are on schedule.

3.3.1.4.19TDA04 MOC East side powerhouse crane rails. No update. Van Dyke asked how long this topic has been active. Grosvenor said since 2019. Van Dyke pointed out that this line item has not been done and asked if the BiOp addresses this. Condor said these crane rails are not specifically called out in the BiOp. Lorz asked if the spillway crane rails were connected. Grosvenor said they are not related, and the work is funded under different pots of money. Van Dyke asked about topics taken off the list right know and suggested they be put back.

3.3.1.5.24TDA03 MOC TDA MU22 Priority. Still running MU 22 with an End Gate open through August per MOC.

3.3.1.6.18JDA02 MOC Trash rack replacement. No update

3.3.1.7.20JDA04 MOC STS crane replacement. Work is underway with handoff date expected to be 31 July.

3.3.2.JDA north pump #4. Budget request has been submitted. No update.

3.4. Research/FFDRWG

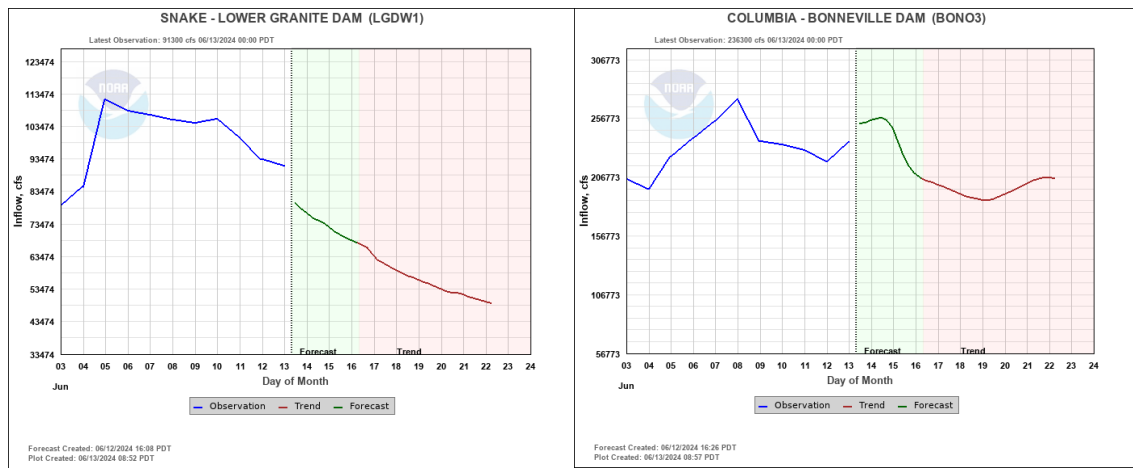
3.4.1.FFDRWG. – meeting notes from 6 June are sent out. The next meeting is 1 Aug and will include a special presentation on the BON Wash redesign control section and Bon PH ice and trash sluice pit detection. Jake inquired about platforms for Albeni Falls coordination. and suggested Columbia River FFDRWG as an appropriate forum to invite Seattle District **ACTION:** Jake and Chuck will work with Ryan to communicate with Andrew about using FFDRWG as a coordination forum. Ryan said NWS has set up meetings with the tribes and it's a stand-alone group.

3.4.2.SRWG -in mid planning process for FY25, currently collecting preliminary proposals to be distributed for review on 8 July. Review meeting is an in person on 12 July. Final proposal review meeting on 5 Sept prior to solicitations. Biological effects of spill subgroup is coordinating adult and juvenile active tag study research summaries out of cycle with SRWG. Next meeting 20 June. Rerecich will step in and be PM and Fielding to be detailing as the Chief of Fish.

3.5. RCC update.

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

Project	Previous Day (06/12) Avg. Outflow (kcfs)	5 Day (06/17) Forecasted Inflow (kcfs)	10 Day (06/22) Forecasted Inflow (kcfs)	Forecasted Inflow Low/High (kcfs)
LWG	90	62	49	49 (06/22) / 80 (06/13)
MCN	229	185	195	176 (06/18) / 239 (06/14)
BON	234	199	206	187 (06/19) / 257 (06/14)



3.7. Avian updates 10:30AM

3.7.1.NWW – Badger and Crescent islands have a lot of gulls, DCCO, AWPE bird activity. They have seen one gull nest with eggs. The next step is to deploy dissuasion efforts on Crescent prior to nesting. Peery said they were looking at work to be in place for next season. Dissuasion efforts appear to be affective at Badger as they are seeing fewer birds there. Van Dyke talked about displacement by flooding the areas with increased pool. Peery said they were not looking to do that in the McNary pool right now. Van Dyke asked about how they are addressing actions between districts that have impacts across the division. Peery said Tackley and the avian work group coordinates the avian plans. NWW bird counts: MCN – 4,000 bird monthly count, 100 DCCO, no CATE, 100 AWPE. 800 Grebes. ICH -200 gulls, 100 DCCO, 10 CATE, 10 grebes, AWPE numbers are the same, LMN – 1,500 gulls, 40 DCCO, 0 CATE and 15 grebes, 600 AWPE, LGS – Lower gull numbers. 20 DCCO,150 AWPE LGR – 50 gull, 1 DCCO, 80 AWPE.

3.7.2.NWP

3.7.2.1.JDA – Gull numbers variable during hazing 1-30, 50 AWPE, 6 Grebes, 0 DCCO. More lines down for a total of 10 avian lines missing. Four are on the Nav lock, one on the spill and five on PH side. The plan is to replace with steel. Two CAGU taken lethally. Deployed tori line at NE-1 and plan on installing a tori line at the north fish ladder. Lorz asked if all wires would be done. Lotspeich said through USDA they plan to replace rope with wire. There were grounding issues with the installation of the steel wire. Engineers will be planning for the grounding of the steel wire lines. Lorz suggested bringing this to FFDRWG is holes in the grid remain. Lotspeich said this is on their radar.

- 3.7.2.2.**TDA – 30-40 DCCO, 100 gulls after hazing, AWPE 200-250 around project and on islands. Kooi said as of 9 June 121 gulls and 6 DCCO for lethal take. Working with ODOT on Bridge light issue - ODOT has agreed to turn off the lights at night. Parker assisted with coordinating with ODOT. Tori lines deployed at all entrances. Van Dyke asked how night monitoring was occurring. Mainly observation and timelapse video.
- 3.7.2.3.**BON –low avian numbers 20-30 daily mostly gulls. Spike in late May for a short period up to 100.
- 3.7.2.4.**Estuary -Wertheimer mentioned the affective use of effigies and other tools used on islands. Braun updated Cap flight count data estimates on 6 June at ESI 1,795 CATE, they are laying eggs now, 664 DCCO on west end DCCO colony no nest activity, 2,769 mixed gulls across the island, 1,900 Brown pelicans and 1 AWPE. Rice Island 8 CATE, 18 AWPE, 7 DCCO, and 3,266 gulls in RGBU colony. Miller Island - 975 AWPE, nothing on Pillar Island. They are working on the 9 May Cap flight counts.
Chat from Noah Strong to everyone: 10:56 AM
Agreed. Thank you Erik for the effigies.
- 3.7.2.4.1.**Astoria Megler Bridge. No update.
- 3.8. BON PH1 Unit outages** (Adams -11:00) Slide presentation – History of oil sheens observed and repair of unit 10 and 4 ongoing. A crew is repairing spare stop logs. If they can work three units at a time RTS of all units estimated 4 months earlier than original projection. Continuing oil leak investigation and potential volume loss. There is an approved NREX funding of 1.5M over two years they are working on a funding readjustment of 2.9M. Tapping regional labor resources from TDA and JDA, active engagement with HDC, and the Hydropower Research Inst. Expediting all contract actions. Coordinating with regional regulators for plans to flush fish during unit dewatering. Site visits with them in early July. Morrill asked about the biodegradable oils. Adams said that is a question for HDC experts. Morrill asked how they support if additional resources are needed. Adams said they have regional as well as national resources available. They are also increasing manpower at the project for this specific work. Van Dyke asked about coordination with state water quality and Oregon DEQ. **ACTION:** Adams will check with the environmental compliance coordinator to verify which regional regulators have been contacted for coordination and ensure the right people are being engaged. Van dyke inquired about impacts on rock removal work in the spill basin. Adams said they are still planning the hydro surveys but good news is that they did not exceed 150k spill so rock removal may not be needed. Van Dyke expressed concern that the dollars to fix PH1 problems will impact other needed activities and would like to know what that impact would be. **ACTION:** Adams will investigate how the shifted dollars will impact other prioritized activities. Van Dyke reemphasized that states were willing to assist with fish salvage if needed. Flemmer said that in early conversation with EPA it sounds like they are supportive of rolling the units.
- 3.9. Fish Count Program** (Peery, Wertheimer). Nothing new to report. Peery said night counts begin 15 June and hourly data is on the FPC site.
- 3.10.BPA Update.** Schedule available on the FPOM website. Peery will post the update to the website. Van Dyke is concerned that documents are not available prior to FPOM. Hausmann said he will get the information out ahead of time.
- 3.11.Pinniped update.**
- 3.11.1.**BON. Currently in off season. Still doing daily point count.
- 3.11.2.**Willamette Falls. Off season not operating traps since mid to late May. Trapping removal at Willamette consisted of 3 ZCA and 0 EJU. Trapping at BON resulted in 27 ZCA and 17 EJU removals.

3.12. Lamprey update

- 3.12.1. BON – B branch is doing well. 60 fish the other day.
- 3.12.2. TDA – LPS in east ladder in operation. Crew collected over 100 fish this past week. Porter asked about lamprey counts. Window night counts will begin on 15 June.
- 3.12.3. JDA- South fish ladder lamprey trap counts are less than 20 more than 10. Elevator is on at the north, but the control panel is not working reliably. LPS had a stress fracture in one of the T section minor repairs are underway and the LPS will be restarted when repairs are complete. Porter noted that she was not comfortable putting her crew in the elevator. They would put fish in and call it. Tribes will be fully staffed at next week.
- 3.12.4. NWW – Adult lamprey are starting to show up.
- 3.12.5. LAWG- 3 June meeting, next meeting 1 July. The new traps at BON and TDA are performing well. Two research summaries for juvenile passage and survival at BON and TDA and adult passage at BON evaluating Washington shore redesign. Telemetry study ongoing at McNary they are still collecting and tagging juvenile lamprey. Installation of new cooling water hood for unit 6 at ICH and Barnes will be reporting on this the future.

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

4.1. NWW

- 4.1.1.24LGS04 Potential Noise-Adult FL Exit – work was quick and without impact.
- 4.1.2.24LGS05 MFR Transport Fish Released to River – Work on barge boom resulted in fish being returned to the river and not collected for the day. No comments
- 4.1.3.24IHR03 MFR North shore AWS pump outage to clean intake racks – No comments
- 4.1.4.24IHR04 MOC TW6 transformer testing – No comments.
- 4.1.5.24IHR05 MFR North shore AWS pump outage – No comments.
- 4.1.6.24MCN005 MOC Bay 22 & 21 Wall Dogs – current plan is to remove wall dogs from bay 21 on 21 June. Van Dyke asked when the wall dogs would be installed. Peery said installation is planned for August. Condor asked what the main push was to get this done and how did they work around funding. Peery indicated the wall dogs need to be done in a certain amount of time and within funding constraints. They are working with the project to best coordinate the schedule and to get it done within funding time frame. Peery noted MCN spillway is the top priority for the district. Condor pointed out that work during fish passage season needs to be reviewed closely. Condor noted that NOAA was not pushing back on the work but pushing to be clear about the effects. Van Dyke asked if funding is calendar or fiscal. Peery described the funding as NREX and available funds that were not utilized for other projects. These type funds will be available through end of next FY. Peery said it is critical to stay on schedule as the gates cannot be taken offline all at once and all the work cannot be accomplished in December. Van Dyke agreed it is critical to stay on schedule.

4.2. NWP

- 4.2.1.24BON012 MOC B1 Fish Salvage Operations on Oil Leak Investigation Units -The project is hoping regulators will agree to flushing the units with the provisions described. However, MOC stands for now. **ACTION:** Flemmer will address comments received in an updated MOC.
- 4.2.2.24BON013 MFR Unit 11 Forced Outage. No comments
- 4.2.3.24TDA07 MFR Fish Unit 1 Temporarily Out of Service. No comments
- 4.2.4.24JDA06 MFR spill gate #12 out of service due to brake failure. No comments
- 4.2.5.24JDA07 MFR MU5 Air Leak Orifice 5A Valve. 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 this month.

6. FPOM Task Group Updates.

6.1. MCN spillway (Peery). Next update 27 June. Stoeckig-Dixon will cover.

6.2. Budget and Infrastructure Updates. Updated spreadsheet posted to the June FPOM website folder.

ACTION: Peery will send out the spreadsheet to FPOM in an e-mail.

6.3. The Dalles Dam Ice and Trash early opening- Wertheimer recommended work on this issue under the existing Surface Route Operations Task Group.

6.4. Additional Delay and Criteria for operational changes **ACTION:** Peery will set up a Task Group and meet as early as July. Peery will send out an e-mail.