

MEMORANDUM FOR THE RECORD

Subject: DRAFT minutes for the 13 October 2022 FPOM meeting. The meeting was held via WebEx and call in.

In Attendance:

Last	First	Agency	Email
Bettin	Scott	BPA	swbettin@bpa.gov
Baus	Doug	NWP-RCC	Douglas.M.Baus@usace.army.mil
Conder	Trever	NOAA	trevor.conder@noaa.gov
Cordie	Robert	NWP-TDA	Robert.P.Cordie@usace.army.mil
Derugin	Andrew	NWP-BON	Andrew.G.Derugin@usace.army.mil
Ebel	Jonathan	IDFG	jonathan.ebel@idfg.idaho.gov
Gallion	Darren	NWP	Darren.G.Gallion@usace.army.mil
Fielding	Scott	NWP	Scott.D.Fielding@usace.army.mil
Grosvenor	Eric	NWP-JDA	Eric.Grosvenor@usace.army.mil
Hausmann	Ben	BPA	bjhausmann@bpa.gov
Holdren	Elizabeth	NWW	elizabeth.a.holdren@usace.army.mil
Lorz	Tom	CRITFC	lort@critfc.org
Macdonald	Jacob	NWP	Jacob.Macdonald@usace.army.mil
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St. John	Scott	NWW	Scott.J.StJohn@usace.army.mil
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Tackley	Sean	NWP	Sean.C.Tackley@usace.army.mil
Van Dyke	Erick	ODFW	erick.s.vandyke@odfw.oregon.gov
Wertheimer	Bob	NWP	Robert.H.Wertheimer@usace.army.mil

Wright	Lisa	NWD-RCC	Lisa.S.Wright@usace.army.mil
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1. Approval of September Minutes: (Mackey)

Minutes Approved.

2. Action Items

2.1. NWW

2.1.1.[July 22] LWG adult CH fallback (Bellerud/Swieca) **ACTION:** Bellerud will provide an update. No update. Ebel - Latest information is that it is still being written up.

2.2. NWP

2.2.1.[June 22] NWP/NWW Critical Fish Passage O&M needs. **ACTION:** (Mackey/Cordie) will provide an update. Remove this action item. Spreadsheet is now posted. Provide rankings. Lorz – when do we need updated scores? Mackey – this is an ongoing process, make sure to include anything that needs to be in the FY25 budget. Please have it in by the beginning of December.

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

2.3.1. [September 22] 22BON089 MOC Spillway B-Branch erosion and attraction follow outage. 22BON089 MOC and 22BON094 MFR. *STATUS: ROV inspection completed 26 September and follow on Hydroservey completed 30 September. Derugin will update.*

2.3.2.[July 22] Lethal Removal – *STATUS: Schmidt has provided an update for the avian task group; A review is planned for 30 January 2023.*

2.3.3.21 LWG 08 MOC Trash Rake Crane Replacement (May 2022). *STATUS: Postponed.*

2.3.4.22 IHR 07 MOC Fish Release Pipe Install Outage and Unit 3 Turbine. *STATUS: Postponed.*

3. Updates

3.1. NWW Updates

3.1.1.Upcoming maintenance/construction/research activities (previously coordinated MOC/MFRs).

3.1.1.1. 22 LWG 08 MOC BPA Outage 500 kV line - scheduled 14–18 November, No update

3.1.1.2. 22 LWG 04 MOC T1T2 Gasket Repair - T1A scheduled for 28 November, Project is still looking like it will occur this fall. Bettin - A month long but the outage will only be 12 hours a day.

3.1.1.3. 22 LGS 08 MOC BPA Outage 500 kV line - scheduled 7–11 November, No update

3.1.1.4. 20 LGS 16 MOC Powerhouse Roof Repair – Outage in December to reconnect bus link is moved to January to accommodate another BPA outage, working to reduce the number of outages.

3.1.1.5. 22 LMN 06 MOC BPA Outage 500 kV line – scheduled Oct 31–4 Nov,

3.1.1.6. 22 LMN 09 MOC T-2 Rehabilitation – Extended to 12 December, units 5 and 6 are out, No update

3.1.1.7. 22LGS10 MOC WECC NERC testing – Completed Sept 6, after action update sent, not enough water for 2 units at a time, operated out of priority.

3.1.1.8. McNary crane status - Bay 6 update – crane 7 is back in service, waiting on parts for crane 6, unsure when parts will arrive.

Conder – 2023 may have some rotating bay outages, are they expected?

St. John – Will look into the macro-micro bay rotation and provide an update in November.

Lorz – It was in a FPP change form last year but may not have proceeded.

3.2. NWP Updates

- 3.2.1. Upcoming maintenance/construction/research activities (previously coordinated MOC/MFRs).**
- 3.2.1.1.** 21BON001 MOC Navigation Lock 1 (old navlock) Bridge Replacement scheduled for CY 2023. (Trachtenbarg) update – Trachtenbarg - Will update next month.
- 3.2.1.2.** 22BON089 MOC Spillway B-Branch Erosion and Attraction Follow outage, (Derugin), Update – Derugin ROV and Hydrosurvey done, will update the MOC, the PDT is being formed. Planning winter maintenance to allow a month and a half of work for end of January and beginning of Feb. Front loading Cascade Island work. Structurally the ladder seems to be ok and should be able to be left on.
Lorz – When will it be fixed? Please let us know if the dates need to be shifted.
- 3.2.1.3.** 19TDA04 MOC – East side powerhouse, Update – No activity on the crane rails, fixes will be delayed, focusing on fixing the crane itself.
- 3.2.1.4.** 18JDA02 MOC Trash rack replacement – Is fabrication completed? Update - Fabrication is complete on 1 with 6 additional, scheduled for mid-November delivery, forming dive plan, planning on starting on unit 16. Will update MOC after seeing the dive plan.
- 3.2.1.5.** 20JDA04 MOC STS crane replacement, has design phase been completed? Update – no update.
- 3.2.1.6.** 22JDA07 MOC Block Study - concluded 17 August, Results being reviewed, Update – Working on memo, should be out for review soon.
- 3.2.1.7.** BON ITS end gate. January delivery date. Derugin update – should be a month-long outage. An MOC is in progress as well as a teletype. It takes a week to dewater, two weeks for the work to be completed and then a week to bring everything back online.
Lorz - How long to get it done? Do we have 3 automated gates? Derugin - Yes.
Conder – Maybe it would make sense to dewater in Jan rather than in March. An outage in Jan would be supported by NOAA. Are PIT tags arrays going to be included? Derugin – Still needs to be discussed.
- 3.2.1.8.** Bon ITS PIT Detector – Conder - If funding could be found, it may be a good time to look at an install. Bettin – 1A is the only gate that will be fully out.
- 3.2.2.** TDA AWS debris management, (McDonald) Update – No update, FFDRWG has been given an update for the 50% EDR, further updates will be provided when there are only two alternatives remaining.
- 3.2.3.** TDA trunnion pin, Update – Cordie -Trunnion pin is not fixed. Going forward with the spillbay 10 fix using gear box and wire from bay 9. Should be fixed in a couple weeks.
- 3.2.4.** TDA N Ladder Rockfall P#449517 - \$60k submitted for FY25 budget. Two options for dewatering: 1. shorten the East dewater to add more to North or 2. Overlap the dewatering's, would require FPOM approval.
Lorz – How long is the timeframe? Cordie - It will be out a ways, likely trunnion pin type timeframe.
- 3.2.5.** JDA north pump #4. - OOS for the entire year, Funding needed for O&M next summer, Update – Project has put together a PMT for it. Working on getting a UFR in the FY25 budget submission
- 3.2.6.** JDA spill bay 10, Still in manual operation, Update – Still in manual likely into next spill season.
- 3.2.7.** JDA SFL Temperatures, collected till the end of September, Update – Pulled the array in the forebay, will remove hobos in winter dewatering.
- 3.3. NWS updates.** – No update
- 3.4. Research/FFDRWG**
- 3.4.1. NWP FFDRWG.** – Macdonald - Sent draft set of notes, no updates, will be finalized. TDA lamprey passage improvement team is working Monday for new bulkhead slot covers or

fillers. A temperature memo for JDA is being distributed. B2 FGE final report is due at the end of the month, will finalize path forward after seeing the report.

3.4.2.NWW FFDRWG. St. John - 27 October meeting at 0900. Chuck Barns will be helping.

3.4.3.SRWG. – AFEP annual review will be in December. Working on PNNL proposal for juvenile lamp study at LWG and LMN.

Morrill – When will we get an update on estuary work?

Macdonald – At the AFEP review. Sending Morrill an email update.

Bettin – where will the AFEP meeting be? It will be virtual.

3.4.4.2022 Research and Access requests:

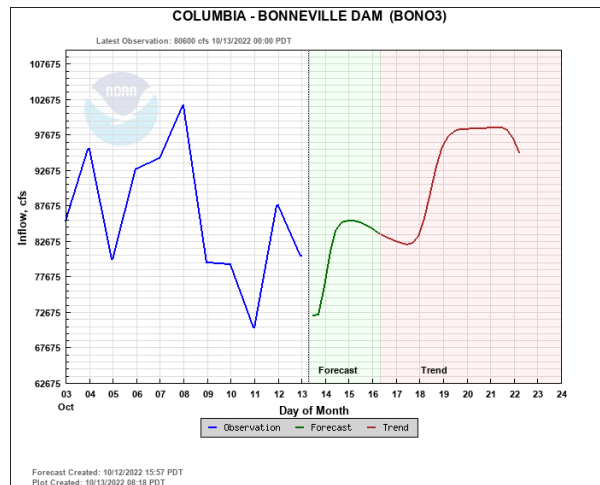
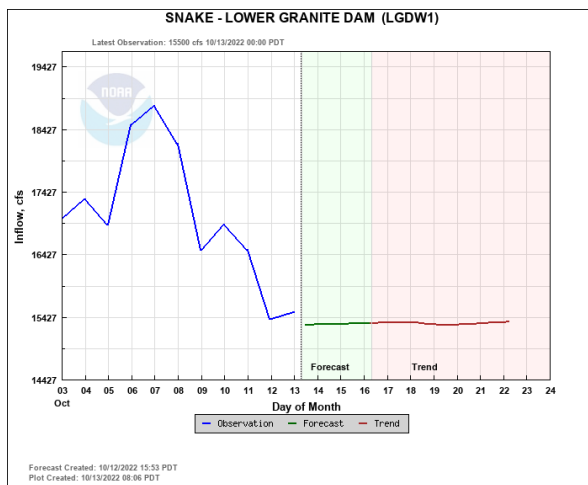
A new application from Lamprey translocation. Most of the permits are with real estate.

Receiving applications for next year. Finalizing the guide.

3.5. RCC update.

Table 1. NOAA Northwest River Forecast Center inflow forecast.

Project	Previous Day (10/12) Average Outflow (kcfs)	5 Day (10/17) Forecasted Inflow (kcfs)	10 Day (10/22) Forecasted Inflow (kcfs)	Forecasted Inflow Low/High (kcfs)
LWG	16	15	15	A constant 15 kcfs is forecasted for the entire 10 day period.
MCN	78	75	85	62 (10/13) / 92 (10/19)
BON	79	82	95	72 (10/13) / 99 (10/21)



3.6. Fish Count Program update (Peery, Wertheimer).

3.6.1.BON WDFW - Have personal shortages been resolved? – It has been resolved. Wertheimer - Met with 4 peaks, counts have continued to be provided. Having a meeting to review the last year.

3.7. Pinniped update

3.7.1.Bonneville Dam – Wertheimer - Numbers are below the 20-animal threshold, ready to count when above that number. Have been doing a daily point count, there have been 8-12

animals. Agencies who are doing the work can answer on the actions they are taking for removals.

Lorz - What have the numbers been?

Derugin – Some flags may be put on tower island to dissuade use.

- 3.7.2.** Willamette Falls – Van Dike – ODFW pinniped Staff have been surveying pinniped presence in the lower Willamette River since September, and they have not observed any pinniped activity since September. Although there has been a dozen or less animals around the Bonneville Dam traps, the pinniped staff are not currently trapping.

3.8. Lamprey update

3.8.1. BON LPS – Derugin - Counts are dropping, the LPS have been running well.

3.8.2. TDA – Cordie – Trappers are done. Lamprey improvements have been proposed.

3.8.3. JDA – Grosvenor -Funding has arrived for water supply for the north fish ladder, hoping to start this winter and complete by next spring.

Van Dyke – Did we get funding? Yes.

3.8.4. NWW – St. John - No updates this time of year, counts are low, and things have wrapped up for the year.

3.8.5. Lamprey Accords Work Group (Macdonald) – No additional updates.

3.9. BPA update. – Bettin – LGS outage may move to January.

3.10. NWP/NWW Critical Fish Passage O&M needs. – Available on the FPOM website, send comments to Mackey by the first of December.

3.11. Avian updates (10:30)

3.11.1. NWW – St John – Counts are winding down for the season. 25 to 50 gulls and cormorants at LGN 0 to 20 gulls and cormorants at LGS 28 to 101 gulls and 38 to 50 cormorants at LMN. Birds seem to be going away for the season.

3.11.2. JDA – Grosvenor – About 100 gulls at the project along Nav Lock, Preachers Island has a few pelicans. There are 11 avian lines down currently, working on getting them repaired.

3.11.3. TDA – Cordie – Very few gulls currently. About 40 cormorants around the project and a few at the east fish ladder exit.

3.11.4. BON – Derugin - Nothing new to report.

3.11.5. Estuary – Tidwell - Working on annual reports. Responding to requests from the CFITFC Avian Task group for ESI next year.

Lorz - Have the ESI tags been uploaded?

Tidwell - Not yet we are working on it.

3.11.6. NEPA hazing task group – Schmidt – We have shared a schedule to be on track for a draft in December. Working on EA revisions right now from the draft. Starting cooperator agency meetings, could use help with facilitation weekly meetings. Have not received any response from cooperators AFIS and USFWS are the agencies.

Lorz – There are concerns about pelicans could lengthen the timeline.

Schmidt – Adding hazing pelicans should not add to the timeline, lethal take could.

MacDowell – Add hazing but wait on lethal for pelicans. Adding lethal should be a separate EA process. Hazing falls under a more general operation than looking at a very specific question like AWP diet.

Morrill – Diet studies of AWP should be looked at before lethal take.

Macdonald – Are we going to be implementing lethal reinforcement at TDA in 2023?

Will data be consolidated by December?

Grosvenor – 2022 data is summarized and can be sent. Cordie – ours can be sent as well.

Schmidt – We rely on AFIS to do the implementation, key personnel have left, there is a low chance they will be able to support in 2023. Other avenues have been explored for contracting but have not found another route yet, still getting NEPA and permits. There may be a year delay. The delay is caused by not having personal on the ground.

Mackey – Putting together the work plan for hazing and lethal take, moving forward with the anticipation that we can do lethal this spring. Our NEPA will be in place.

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

4.1. NWW

4.1.1. 22LWG11 MFR Change in Exit Temp Pump Operations – No updates.

Conder - What is the plan to address the issue with fish behavior in the ladder exit section?

St. John - Elizabeth Holdren is working to come up with strategies to address the issue.

4.2. NWP

4.2.1. 22BON088 MFR AFF Valve 15 four Chinook mort's – No Comments.

4.2.2. 22BON089 MOC Spillway B-Branch attraction flow – Will be updated with the results of the inspections and plan for repair.

4.2.3. 22BON090 MFR AFF Valve 15 Salmonid mort – No Comments.

4.2.4. 22BON091 MFR AFF Picket Leads left down - No Comments.

4.2.5. 22BON092 MFR WA Shore Serpentine Chinook mort - No Comments.

4.2.6. 22BON093 MFR AFF Brail Pond salmonid mort - No Comments.

4.2.7. 22BON094 MFR AFF Valve 15 Salmonid mort - No Comments.

4.2.8. 22JDA12 MFR Spillbays 1-4 OSS for routine inspection - No Comments.

4.2.9. 22JDA13 MFR STS camera train lubricant leak – No Comments.

4.2.10. 22JDA14 MOC Spillbay 2 outage for bridge inspection – No Comments.

4.2.11. 22JDA15 MFR Crane oil leak - No Comments.

4.2.12. 22TDA13 MFR Spearfish Park salmonid mort's –

Cordie – 40 to 50 salmonids dumped, this has happened every other year. There have not been investigations in the past that we are aware of.

Ebel – are we sure that sending information doesn't interfere with investigations? This forum does not deal with wildlife crime, investigations can take a long time and can involve undercover investigations, this may not be something that should be included in FPOM. It should go to enforcement first.

Cordie – has anybody heard of these issues and has anything been done about it? David Ladouceur is the one who filed the incident reporter. This is an area open to the public.

Derugin – there spots in BON pool that have had fish dumped as well. Reaching out to local game wardens can be helpful, if there is an issue with die-offs etc. then it should be sent to the group.

Conder – Its relevant with the TAC group and should go through them.

Morrill – Will reach out to regional enforcement. Hotlines can be used to contact enforcement.

Porter – Is CRIFC getting this information? TAC is now aware of it. Working on how to keep information available but not to jeopardize an investigation.

Mackey – We will work with law enforcement.

4.2.13. 22TDA14 MOC The Dalles Hydro-survey and Bonneville forebay Ops – No Comments.

5. Fish Passage Plan

5.1. The 2022 FPP went into effect March 1 and is available online at:

pweb.crohms.org/tmt/documents/fpp/2022/

5.1.1. PENDING Change Forms:

Wright - Ice Harbor unit 3 operating range is in the works. If there are any change forms, they need to be in by December 15 for the 2023 FPP.

5.1.2. NEW Change Forms:

6. Task Group Updates.

6.1. Task Group Kelt Trigger (Wertheimer and Lorz). [Documents / FPOM / 2013 / FPOM Task Groups \(crohms.org\)](#)

Lorz – Planning and outline for a path forward. Need to hear from BPA about their flexibility.
Wertheimer – Need to form the team and start working through the issue.

- 6.2. Task Group Hazing NEPA (CRC and Schmidt). [Documents / FPOM Avian Task Group \(crohms.org\)](#). Sachs – Help facilitate meetings.
- 6.3. Avian Task Force (ATF). (Cordie). [Documents / FPOM Avian Task Group \(crohms.org\)](#)
Task group meeting is scheduled after FPOM. Not needed, Remove.