

MEMORANDUM FOR THE RECORD

Subject: FINAL minutes for the 8 December 2022 FPOM meeting. The meeting was held via WebEx and call in.

In Attendance:

Last	First	Agency	Email
Baus	Doug	NWP-RCC	Douglas.M.Baus@usace.army.mil
Bettin	Scott	BPA	swbettin@bpa.gov
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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

1. Approval of November Minutes: (Peery)

Approved.

2. Action Items

2.1. NWW

2.2. NWP

2.2.1.[July 22] Lethal Removal **Action:** (Sachs/Schmidt) will update. Draft EA will be sent to cooperators on Dec 16th for a 35-day review. Public review planned for January 2023.

Dorsey – Looking at getting a draft by next week. Looking for public release in mid Jan for a 30-day public comment period. Should have a FONSI by the beginning of April before the start of the season. This work is staffed.

Lorz – Are we in position to have contractors to do the work this year?

Mackey – The contractors are aware of the requirement; they will have to make sure that staff are trained.

McDowell – We (our agency) do not have an application yet and we request 60 days for review. We may be able to speed things up but can't guaranty it. We need to move forward.

Ebel – Who were the Cooperating agencies?

Dorsey – USDA AFIS and USFWS. Others can provide comment during the public period.

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

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

2.3.2. 22 IHR 07 MOC Fish Release Pipe Install Outage and Unit 3 Turbine. *STATUS: Postponed.*

2.3.3.[July 22] LWG adult CH fallback. *STATUS: Has been distributed.*

3. Updates

3.1. NWW Updates

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

3.1.1.1. 22 LWG 04 MOC T1T2 Gasket Repair - T1AC scheduled for 28 November, A month long but the outage will only be 12 hours a day.

Perry -TVA has been working on it for a week. Speed no load from one unit is increasing TDGs, now spilling 3.4k and that has reduced TDG. Now at 114.

Swank – I was surprised at how high the levels got, just from one unit at speed no load.

Peery – Lower flow and tailwater elevations and 8kcfs coming through the unit caused greater cavitation.

Lorz – Have Dan Turner send an update of where this has been seen before.

Peery – Will take to Dan, unsure why this is being caused. Will check on the calibration of the sensor.

Bettin – Can we do adult monitoring at LGS next year?

Peery – Yes, it is possible, we can talk about it in the future, would require more funding if we were adding a count site. Next December we are counting at IHR and LMN.

Van Dyke – We need to think about it before moving to replace one dams counts with another.

Ebel – Would support counts at LGS. 130-140 TDG is likely not a calibration issue.

3.1.1.2. 20 LGS 16 MOC Powerhouse Roof Repair, January outage. Update – No Change.

3.1.1.3. 22 LMN 09 MOC T-2 Rehabilitation – Extended to 12 December, units 5 and 6 are out. – Update – Units 5 and 6 are back in operation again.

3.1.1.4. McNary crane status – Update – No Change, Still waiting on parts to get the gear box back in operation.

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. (Trachtenberg) Update – No update

3.2.1.2. BON FGE – Units 11 and 18 Scheduled from 30 Nov – 28 March. Unit 11 is first and 18 last.

Lorz – Will there be an MOC? Units out during spring freshet may not be a good strategy. If other units are out, it could force additional spill.

Derugin – We do have an MOC, will leave to the PME Bio to send if needed. So far everything in on plan an on time.

Mackey – The FPP allows units to be out till 1st April, units will be back before that.

3.2.1.3. 19TDA04 MOC – East side powerhouse crane rails, Update –

Lorz – Is this the hammer crane?

Randall – Hammer is getting worked on as the priority.

3.2.1.4. 18JDA02 MOC Trash rack replacement – Delivery Scheduled end Nov, Starting with unit 16 – Update –

Grosvenor – Contractor is on site now, divers have pulled a few sections already, 15 and 16 are down, expecting to have the repair done next week for 15.

3.2.1.5. 20JDA04 MOC STS crane replacement, has design phase been completed? Update – Grosvenor - Still in design phase.

3.2.1.6. 22JDA07 MOC Block Study - concluded 17 Aug, is the review available? Update – Grosvenor - Have not seen any comments yet, please provide if you have any.

3.2.2. BON ITS PIT detection – Derugin - Have had scoping meetings but not much progress yet.

3.2.3. TDA AWS debris management – Update – Trash rack dive on the 28th, was a brush or metal rake used? Randall - The ROV pictures have been distributed, trash rack is heavily impinged, will need a brush with a mobile crane, will cycle with the AWS closed at night. Will be more refinement and details to come.

Lorz – What caused the impingement?

Randall – All little openings are clogged with little gray plant material.

3.2.4. TDA trunnion pin, Update – Spillbay 10 is not in operation. Hoping to get it done in in water work period. Randall – No Change

Mackey – Any progress on bay 9 wire ropes being moved to bay 10?

Randall – No new progress.

Bellerud – Is bay 9 is being cannibalized to get 10 back in operation?

Mackey – Yes, to fix bay 9 it is very costly and has a long timeline. This allows dam safety to have an extra bay in the event of excess spill.

Van Dyke – ERDIC models showed bay 9 was the most useful and should be included in the assessment and prioritized.

Conder – What is wrong with the crane?

Mackey – Record what is wrong with the crane. Add action item for TDA spillway.

3.2.5. TDA N Ladder Rockfall P#449517

3.2.6. JDA north pump #4. - Update – The project completed PMP for 250k. A budget request for FY25 has been submitted. Grosvenor – No update.

JDA spill bay 10, Still in manual operation. – Grosvenor - No update.

Van Dyke – Is there funding to fix this?

Grosvenor – We have 100k earmarked for an engineer to look at a new system, it is funded item in joint business plan.

3.2.7. JDA SFL Temperatures – FFDRWG Update – Grosvenor – We have pulled the first temp array in October, will pull the remaining during dewater. Will be deploying all next year.

3.3. NWS updates. No update

3.4. Research/FFDRWG No in person meeting in Dec.

3.4.1.NWP FFDRWG. No update.

3.4.2.NWW FFDRWG. No update.

3.4.3.SRWG. Macdonald - FY22 annual review is scheduled for Jan 17 and 18. We are starting planning for FY 24 Cycle, will have a meeting in Feb. AFEP is online.

Ebel – Have we planned for hydro system monitoring?

Macdonald – We will continue to develop starting in Feb.

Ebel - Is there a concern starting 4 years into a 15-year BiOp?

Macdonald – No new USACE funded RME has come out of this. Will likely continue status quo monitoring.

Morrill – Would it likely be FY26 to get funding?

Macdonald – Yes.

Ebel – The lack of precision is in discussion, do fish managers need to provide proposals?

There are questions under the new high spill.

Macdonald – We have identified PIT infrastructure improvements. Looking at BON ITS also in FY24 EDR effort for improvements at MCN.

Ebel – BON ITS may not solve the problem.

Macdonald – Below BON is also being looked at. Working with a flexible tow and pile dike detections.

Morrill – Pile dikes and flexible tow should be NOAA research funding.

Petersen – BPA side of funding for some items are split between different projects, experimental and R&D work are different funding than routine monitoring.

3.4.4.2022 Research and Access requests:

Is the Guide available? Gallion – Latest version will be posted to FPOM.

Mackey – Working with real estate to make sure that everyone has permits, the process can take longer now so early submission is advised.

Derugin – Most recurring work should be a two- or five-year cycle so they won't have to go through every year, just new projects.

Mackey – Multiple offices have to complete reviews is why it's taking longer.

RCC update.

Project	12/7 Average Outflow (kcfs)	5 Day (12/12) Forecasted Inflow (kcfs)	10 Day (12/17) Forecasted Inflow (kcfs)	Forecasted Inflow Low/High (kcfs)
LWG	15	16	16	16 (12/16) / 17 (12/8)
MCN	121	116	114	114 (12/17) / 128 (12/8)
BON	127	124	122	122 (12/17) / 136 (12/8)

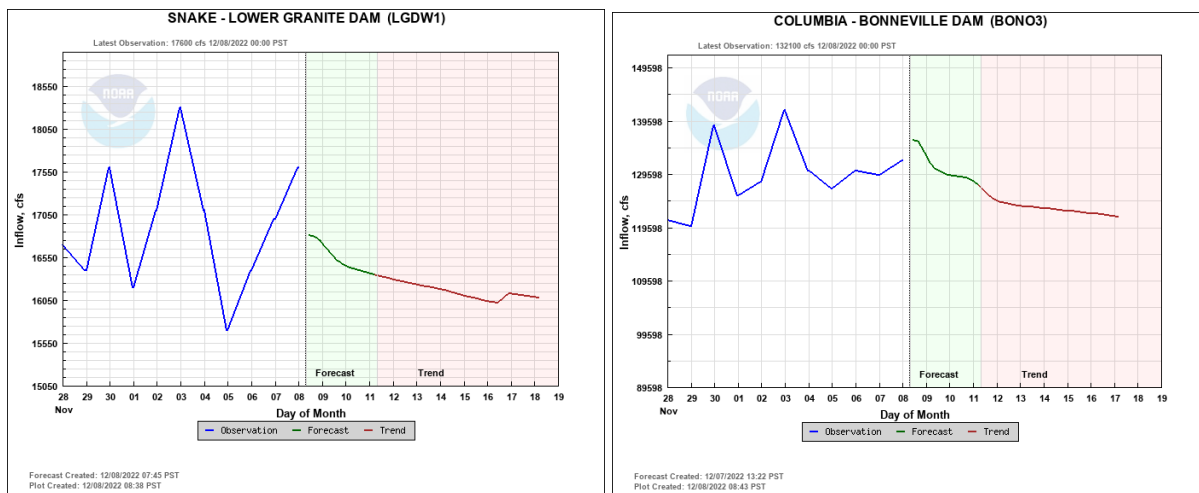


Fig 1. NOAA Northwest River Forecast Center inflow forecast.

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

3.5.1. BON WDFW – TDA is conducting winter counting this year, JDA will be next year.

3.6. Pinniped update

3.6.1. Bonneville Dam – Tidwell – We are monitoring daily for abundance, we have an average 17 SSL the week of Thanksgiving, moving between 8 and 32. The following week the numbers decreased. The last 3 days we have almost no animals.

3.6.2. Willamette Falls – No trapping currently, low to no animals.

Edwards – The presence in the falls has been reduced the last couple years.

Morrill -What are the plans for 2023 given funding?

Edwards – NOAA is not providing funding going forward. We did receive a one-time Federal appropriation. Still working to try to get funding reinstated.

Morrill – We are covered through Sept of 2023 only at this time.

3.7. Lamprey update

3.7.1. BON LPS – Letter Report from this year out by 28 Feb.

Tidwell - Work orders are in place for CI for optical install and we are starting to look at BI wetted wall install.

3.7.2.TDA – Randall - Pulled out east exit weirs 154 and 155, this year we will be notching out left and right bottom corners for lamprey passage.

3.7.3.JDA – Grosvenor – Working on getting better waters supply to N ladder trap, pulled out N ladder varied width weir.

Macdonald – Has any work been done on South ladder entrance weir?

Grosvenor – Working on it but not likely till next winter.

3.7.4.NWW – MCN entrance weirs putting on rounded crests.

Macdonald – What is the schedule for the weir stall?

Peery – It will be complete by end of Feb.

3.7.5.Lamprey Accords Work Group – Will have a meeting in Jan to go over the budget.

3.8. BPA update. – LWG and LGS will have outages in Jan and will have spill with them.

3.9. NWP/NWW Critical Fish Passage O&M needs. – Available on the FPOM website. Working on FY25 submission.

Ebel – Can a note be added for how these will be addressed?

Conder – Did any of this get funded?

Mackey – The non-routine items are difficult to fund.

Studebaker – We are looking at the list with greater intention.

3.10. Avian updates (10:30)

3.10.1.NWW – Not making observations of birds at this time.

3.10.1.1 FY24 NWW falconry funding – Peery Working on getting the MIPER in place for 2023 hazing. Separate funding is not available at this time for falconry. There is a possibility to use FY24 hazing funding for a falcon trial. USDA hazing would be reduced or eliminated.

Morrill – We have some time to think about how best to create a study plan for evaluation.

Peery – Might be a work group.

Morrill - Would like to be a part of the work group. Bellerud, McDowell, Peery, Lorz and Van Dyke as well.

McDowell – I am very nervous about reducing other non lethal methods. Put me on the task force. Falconry is a good too but not sure that we are there yet.

Ebel – Very supportive of falconry, needs to be fully implemented in order to evaluate.

Would funding have to come from other abatement?

Peery – Funding is somewhat binned. We can't afford to do both hazing and falconry.

Morrill – Will share background information.

Krasnow – Will MCN be different than TDA due to different landscape?

Peery – Yes, MCN will be easier.

Day – Bird counts did show that falconry was a success in reducing non foraging birds.

3.10.2.JDA – Grosvenor – 50 DCCO which is typical, working on a contract to replace 9 of the avian lines, should be done by April.

3.10.3.TDA – Day - two weeks ago had lots of gulls, 100+ California and ringbill and a few bonaparte, this is only ¼ of normal. As eagles showed up, there are now no gulls at the project. 2-300 DCCO migrated through for a short time, numbers are now down to 15 to 20. We are looking at 60 days of falconry next years, 6-8 birds spread out over several days. Will be coordination with USDA. Looking at the 2012 counting methodology to find hot spots. McDowell – Moving gulls downstream is a success.

3.10.4.BON – Derugin – A few gulls moved up a few weeks back, have now dissipated. Will have to take down avian lines for the erosion repair.

3.10.5.Estuary – Tidwell - have submitted request for egg take to USFW, will have reports out by end of FEB.

Krasnow – Large number of PIT tags on Rice this year, comments on effort for FY23?

Tidwell – We had birds move to Rice for two weeks, PIT tags were able to be sowed so the RTR can look at the predation data. We have sowed tags for the last 4-years. We were able to maintain compliance by not allowing any nesting on Rice last year. Staffing and technical difficulties caused the two weeks of higher bird numbers.

Macdonald – Were the turns on Rice from ESI?

Tidwell – There are not markers on the birds but the numbers on ESI were lower when birds on Rice were higher.

Krasnow – Bald eagles could make it more difficult to attract DCCO back to ESI.

McDowell – There are eagle disturbance permits available, would be for a hazing type of effort. The USFW service has been looking at how to reduce the burden for eagle permits, will share the link to public comments.

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

4.1. NWW

4.1.1. 22MCN16 MOC – Extended winter outage for the fishway to install the rounded crest weir on entrance gate. Update – Peery - Gates have to be removed and should be done by the end of winter maintenance period.

4.1.2. 22LWG11 MFR Change in Exit Temp Pump Operations – Should be brought to FFDRWG.

4.2. NWP

4.2.1. 22BON095 MOC ITS outage for gate install – Comment period closed, No additional comments.

4.2.2. 22BON096 MOC BON Modified involuntary spill patterns –

Van Dyke – How will debris spill happen in the future?

Mackey – Moving spill away from B-branch. A plan will be in place to keep debris away from erosion areas. PDT for repairs is meeting this week.

Ebner – Working on a plan for moving debris, recommendation will be to move debris towards the middle of the spillway when flushing during winter in a non-spill time. Once a plan is developed it can be shared with the region and included in the FPP.

4.2.3. 22TDA14 MOC The Dalles Hydro-survey and Bonneville forebay, Operation has been delayed. Update – Randall – Will be the 2nd or 3rd week of March before the survey crew is available.

Bettin – Will it overlap with other work at BON?

Mackey – Dalles will need to update MOC to make sure its coordinated.

Ebner – If the river is high, we may not need any forebay changes at BON.

Macdonald – What is the purpose of the survey?

Ebner- it is a standard 4-to-5-year periodic inspection.

4.2.4. 22JDA16 MFR – Main Units 2 and 3 STS's pulled - No comments.

5. Fish Passage Plan

5.1. The 2022 FPP is in effect through February 28, 2023, and available online at:

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

5.2. The 2022 – 23 Winter Maintenance schedules are posted at:

<https://pweb.crohms.org/tmt/documents/FPOM/2010/Plans%20lists%20charts/>

5.3. The draft 2023 FPP (chapters, appendices, and change forms) are posted at:

pweb.crohms.org/tmt/documents/fpp/2023/changes/

5.3.1. PENDING Change Forms:

5.3.2. 22MCN005 Macro/Micro Spill Ops

23LMN001 - *Early JBS Start* –

Peery – This is a temporary change and as hoist gets repaired, we will go back to normal.

5.3.2.1. 23LGS001 - *Early JBS Start* –

Conder – Discussed at FPAC, comanagers are not willing to give up early start operations and the data that we can collect. We need to have data collected. Would be willing to start early if we can continue to see what fish are doing.

Peery – Looking for what it is that comanagers looking for? Would need to see the plan. It would be good to have a timeframe in mind.

Conder – Would like to have a range of flow years in order to make a decision.

Ebel – FPAC is in a draft written comments for what we would like to see and why.

Peery – Would like to see letter as soon as possible.

Van Dyke – Oct 2017 FPOM page has technical data.

Morrill – Scott St. John provided information as well.

5.3.2.2. *22AppJ001 – LMN, LGS JBS Start Date – Due to the above change forms.*

5.3.2.3. *23IHR001- Unit 3 Operation Range -*

Peery – Lower end of the operating range will be a soft constraint, will send back to FPOM for review.

5.3.3. NEW Change Forms:

None

6. Task Group Updates.

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

Peery – TDA sluiceway was asked to be added.

Bellerud – NOAA have decided that the sluiceway can be discussed. The MOC will need to be reviewed. The sluiceway was operated Feb 22, 24, and 26, 7 - 11 AM and reduced March 1 to 15 by 12 hours that were not consecutive.

Mackey – Will find and send the MOC.

Wertheimer – Madison sent out 2010 - 2022 PIT data summary that has been sent for review.

Lorz – A trigger plan idea is being prepared and will be sent for review.

6.2. Task Group Hazing NEPA (CRC and Schmidt). [Documents / FPOM Avian Task Group \(crohms.org\)](#). Sachs – Meetings will resume in early January. Currently on track for public review at the end of January.