

## MEMORANDUM FOR THE RECORD

Subject: DRAFT minutes for the 9 December 2021 FPOM meeting. The meeting was held via WebEx from 0930 to noon. In attendance:

Last	First	Agency	Email
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\*Called in for the Avian Updates only.

## 1. Approval of November Meeting Minutes

- 1.1. Morrill's sea lion comments should be moved from Willamette Falls to Bonneville Dam. McClain made the correction and will re-send November draft minutes next month for approval.

## 2. Action Items

### 2.1. NWW

- 2.1.1. **[October 21] JFF Early Starts.** FPOM requested Peery put together a list of locations and dates for early start so they can make recommendations. Peery will also add a table of previous early starts. Information was sent out.
- 2.1.2. **[November 21] 21 LMN 06 MOC North Fish Ladder Debris Barrier Anchor Block.** ACTION ITEM: Peery will check to see if concrete pump truck work could be delays until later in the day to not disturb the early morning fish pulse. – Peery will check and respond with an email.
- 2.1.3. **[December 21] ICE South fish ladder temp monitor broken, cannot calculate the differential.** ACTION ITEM: Peery will update progress next FPOM.

### 2.2. NWP

- 2.2.1. **[July 21] Ringold avian counts.** ACTION: Morrill will report back on the progress.
- 2.2.2. **[November 21] Inland Avian.** ACTION: Mackey will check with NWP PME group about the best forum for a Columbia Basin avian group. Tom Skiles (CRITFC) is working on a group to share information on avian activity beyond the dams.
- 2.2.3. **[December 21] NWP/NWW Critical Fish Passage O&M needs.** ACTION: Mackey will host separate meeting after the January FPOM.
- 2.2.4. **[December 21] ODFW's John Day River Overshoot Study.** ACTION: McClain added ODFW's John Day River Overshoot Active Tag study presentation this to January's agenda.

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

- 1.1.1. **[October 21] JDA-N Elevator.** ACTION: Fielding will check about training locally for elevator maintenance. Do not have any local training available, but a contractor is on site.
- 1.1.2. **[October 21] Columbia Basin Avian** ACTION: Trachtenbarg provided an Inland Avian Management Plan update at the November FPOM.
- 2.3.1. **[November 21] Estuary avian.** ACTION ITEM: Lawonn will send his report to McClain for posting to the FPOM website. Posted.

## 3. Updates

### 3.1. NWW Updates

- 3.2. JFF Early Start – MCN will early start 1 March, other will start as soon as they can get screens in and watered up.
- 3.3. SMP will not be at LoMo. Working with BPA as they plan to cover the labor gap needed for condition monitoring at LoMo. Looking at two people. They still believe they can get contractor on.
  - 3.3.1. Upcoming maintenance/construction/research activities (previously coordinated MOC/MFRs).
    - 3.3.1.1. 20 LGS 16 MOC Powerhouse Roof Repair – no update. Later Conder asked about schedule and powerhouse outages. Work April 5<sup>th</sup> – 9<sup>th</sup> (low water year) or June 27<sup>th</sup> – July 1st (normal or high water year). To put the jumpers on, whole powerhouse out for one week. Then would not have access to Units 5 & 6. Jumpers removed in December causing 4 day full PH outage. Will need to decide schedule in February to coordinate crews.
    - 3.3.1.2. 21 LGS 13 MOC Guidewall Anchor Cables Replacement – Peery will see if concrete pumping can happen later in the day.
    - 3.3.1.3. 21 LWG 08 MOC Trash Rake Crane Replacement (May 2022) – no update
  - 3.3.2. LWG Adult Trap Water Supply – no update
  - 3.3.3. MCN spillway crane repairs. Crane 7 awaiting motor starter both awaiting load indicators. Working with Ryan Lowry to develop spill patterns for crane limitations and TSW removal (21 MCN06 Modified spill pattern for TSW removal) – Morrill asked if COVID-19 delivery delays are still a problem? Yes.
  - 3.3.4. ICE – (Morrill) Electrical interference with the PIT antennas.
  - 3.3.5. ICE – (Conder) South fish ladder temp monitor broken, cannot calculate the differential. Peery is working on the fix. **ACTION ITEM:** Peery will update progress next FPOM or earlier.

### 3.4. NWP Updates

- 3.4.1. Upcoming maintenance/construction/research activities (previously coordinated MOC/MFRs).
  - 3.4.1.1. 21BON001 MOC Navigation Lock 1 (old navlock) Bridge Replacement scheduled for CY 2023.
  - 3.4.1.2. 21BON097 MOC Early STS Removal – Moving forward as coordinated.
  - 3.4.1.3. 19TDA04 MOC Crane rail Replacement winter (on going work) – Ran into a delay. Some of the clearance of previous work was not quite right, they are working on a fix.
  - 3.4.1.4. 20TDA10 MOC PUD Smolt Bypass Extended Outage – Work continues. Excavator on site tomorrow, haven't cut the pipe yet so bypass is still in use. Schedule completion date is March 1<sup>st</sup>.
  - 3.4.1.5. 18JDA02 MOC Trash rack replacement. Scheduled for April 2022. -No update
  - 3.4.1.6. 20JDA04 MOC STS crane replacement. – Fielding will share schedule when he gets one.
- 3.4.2. BON Aqui-S long term solution. – No update, will continue on the ground disposal. Morrill asked for a follow about EPA discussion. They are working on a nation wide permit. Morrill is concerned that EPA might shut down sampling if the process hasn't moved forward.
- 3.4.3. TDA AWS debris management. (Rerecich FC, Medhi Rashani TL, Kovalchuck temp PM)
- 3.4.4. TDA trunnion pin. Via email from Michael S. Colesar, on 1/28/2021 “Gate 9 trunnion would be part of a larger project to completely rehab Gates 1-9. SAP shows Start in 2031, Construction 2034”
- 3.4.5. JDA north pump #4. Maintenance crew will inspect this in water work and determine path forward.

- 3.4.6. JDA spill bay 10. In manual operation, have not figured out remote operations from the control room, likely manual most of spill season.
- 3.4.7. JDA N elevator #4 – Will get an engineer out next month to determine path forward. Lorz asked if elevator is partially functional? It is but may not be dependable, over rides the top floor. You have to stop the floor below. Porter – this is more than just about people walking stairs, it is about fish stress and health due to high water temperature and increased handling times.
- 3.4.8. JDA SMF April start up (New for December) – Back to original FPP, April 1<sup>st</sup> rather than March 1<sup>st</sup>. Lorz is concerned it may hamper collection of juvenile lamprey.
- 3.4.9. BON Spillway Rock Flushing (Bettin)– spilling about 20k per bay, should take about an hour. Lorz asked if there will be a post-flushing hydro survey or do we need to coordinate one? Bettin was uncertain.

**3.5. NWS (Seattle)**

- 3.5.1. Upcoming maintenance/construction/research activities (previously coordinated MOC/MFRs).
- 3.5.2. Albeni Falls Dam – working on the fish facility.
- 3.5.3. Chief Joseph Dam – Implementing large cap projects.
- 3.5.4. Libby Dam – No update.

**3.6. Research/FFDRWG updates.**

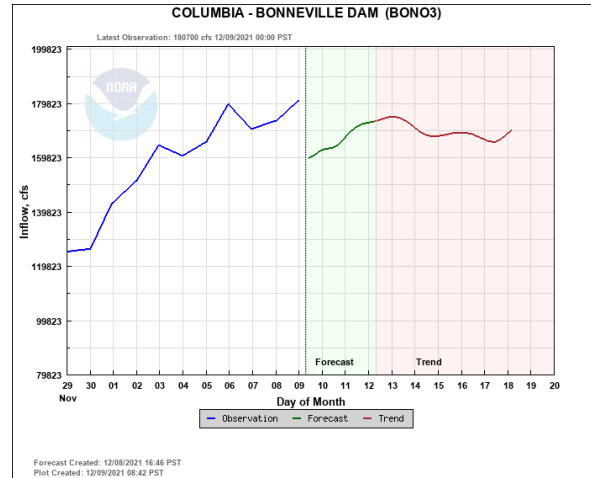
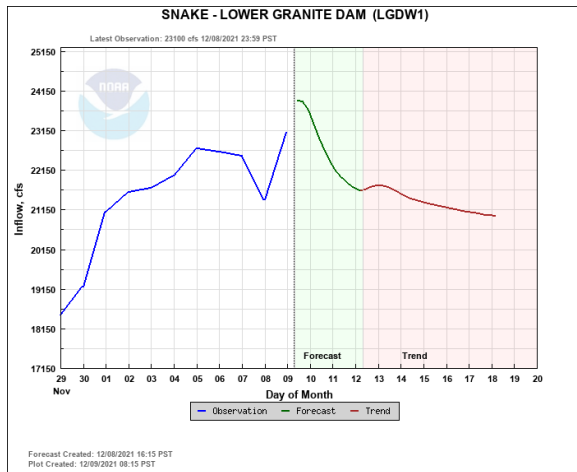
<http://pweb.crohms.org/tmt/documents/FPOM/2010/FFDRWG/FFDRWG.html>

- 3.6.1. NWP FFDRWG. Written updated for December were emailed. Next meeting at BON BI fishway. Tour of the dewatered latter January 6<sup>th</sup>
- 3.6.2. NWW FFDRWG. -Next meeting January 19<sup>th</sup>.

**3.7. RCC update**

Project	Previous Day (12/8) Average Outflow (kcfs)	5 Day (12/13) Forecasted Inflow (kcfs)	10 Day (12/18) Forecasted Inflow (kcfs)	Forecasted Inflow Low/High (kcfs)
LWG	22	22	21	21 (12/18) / 24 (12/9)
MCN	168	163	163	152 (12/9) / 164 (12/11)
BON	169	175	170	159 (12/9) / 175 (12/13)

**Table 1. NOAA Northwest River Forecast Center inflow forecast.**



**3.8. BPA update.** Nothing major, Betting will send out this afternoon.

**3.9. Fish Count Program update (Peery, Wertheimer).** At Lower Granite we were undercounting Chinook, recording them as Coho in November. QA/QC check are in process. If it is more than 5% off then we'll make a correction. Lorz asked that Peery relay this to TAC, Van Dyke asked if there were problems at other dams. FFU is working on video review which is always delayed, however spot checking has not found a problem yet but when final check are done Wertheimer will let TAC/VanDyke know. Is there same issue happening at McNary? No, we haven't seen it at McNary. After an addition check and talking with his QC, Wertheimer said there was not a problem at BON.

**3.10. Pinniped update**

**3.10.1. Bonneville Dam –** Less than 20 animals, but only hauling out, not hunting in the tailrace. FFU has shared preliminary data with the states and is working on the report. Working hypothesis is they are moving down river to feed on Chum. Morrill said higher water has allowed Steller to access inside the Pierce/Ives Island complex. WDFW folk working there have seen Stellers feeding on chum and Chinook. Lorz asked if the WDFW crew could also count SSLs. As they are working the boat and counting it would require an extra person. Conder asked if WDFW could supply presence/absence data. VanDyke is concerned that asking people to add on duties not a technical question but a policy one. John Edwards WDFW 18 NOV removals ended until spring (late March). ODFW may attempt to trap at Willamette Falls. 24 SSLs removed this fall. Trap camera on town island capturing low 20's SSL hauling out there. Their techniques have been adapted to capture larger SSLs, it is still difficult but they have capture some of the largest animals ~1,700 pounds. This is the fall season so have lost weight from their peak.

**3.10.2. Willamette Falls –** Mid or late November a few sealion have been seen around the St. John's bridge. Five or six animals have been observed but they have not determined their haul out location yet.

**3.11. Lamprey update**

**3.11.1. BON – LPS taken OOS early November.** A concrete saw has been purchased for the BI serpentine section lamprey orifices and a work order for new pumps at BI. FFU is working to integrate LPS counts with fish counts for real time counts. Also moving towards optic count system vs. older paddle count system. Final lamprey passage update is forthcoming working on video validation and correction factors now. Due the end of February.

- 3.11.2. TDA – Dewatered east ladder upper section last week and had some lamprey mortality to discuss later when the MFR comes up. Lower rock channels dewatered this week, removed about 150 lamprey and they were release alive.
- 3.11.3. JDA – no update
- 3.11.4. NWW – no update. Dewatering begins next week.
- 3.11.5. Lamprey Accords Work Group (Macdonald) – Quarterly meeting is next week, agenda should be out tomorrow.

### 3.12. Avian updates (10:30)

- 3.12.1. NWW – Inland Avian Management Plan update (Anderson or Peery) – Lorz reported that in 2021 there were more PIT tags recovered on bird colonies than in 2020. CRITFC wants to know where are we going to discuss this – Corps Inland Avian Management Plan (IAMP) and specific actions. NWW is working with NWP to look at BiOp requirements and requirements of the different plans. BPA, BOR, and Corps have been meeting routinely every other weekly to determine plans for 2022 and looking further out. Where are we going and why? A big piece of this is the Inland Avian Predation Management Plan (IAPMP) and the synthesis report that came out last year. How does the IAMP cross walk with the recent report. Lorz is concerned birds are getting re-established in certain area and hopes to avoid that. The conversation continued about implementation of the IAPMP and if those goals have been met and what is the best path forward and what the end goal is. BOR is going to increase their level of active dissuasion by 30-35% in the north Potholes reservoir based on the recent report. Is FPOM the right forum to actively manage this work? Krasnow (NOAA) is concerned about a miss-match in the timing of decision points this year to take actions in 2022. Trachtenbarg reminded folks this is a non-lethal push-pull plan that is expected to take several years to reduce the number of bird predators in the Columbia Basin – with limited lethal egg take. BOR and the Corps are constrained by authorities to do work on their properties. Locations like Badger Island can complicate things and this is where a regional forum is valuable. This is an import discussion but perhaps too large to be covered in an FPOM meeting. There needs to be a forum where these issues can be discussed lined by line.
  - 3.12.1.1. **Blalock Islands inundation** -Anderson is in the process of trying to get FY22 funding for CAP flights over the Blalock Islands. Lorz suggested to partner with BPA. Macdonald says we are coordinating with BPA and their flight contractor along with CAP flights to get full coverage. No additional funding will be used.
- 3.12.2. JDA – Typical number of gulls, cormorants and grebes mostly non-foraging.
- 3.12.3. TDA – Typical number of gulls mostly passing through, lots of local mergansers which is typical this time of year. Lots of non-local birds
- 3.12.4. BON – Around 50 DCCO on the debris booms in the forebay and around 50 gulls in the tailrace, around 20 mergansers in the forebay, less than 5 grebes in the forebay.
- 3.12.5. Estuary
  - 3.12.5.1. ESI – CATE management plan report has been sent for review.
  - 3.12.5.2. NavBiOp – Rice, Miller, Pillar Islands. Abundance.
- 3.12.6. Lethal Removal – Update of the NEPA progress (Schmidt). Later Lorz asked if they have back scheduled and set milestones to be sure that the lethal take tool will be permitted in the spring of 2022. Schmidt – we’ll be using the most recent data set of gull populations to determine the amount to ask for so it will be acceptable. Will submit Depredation Permit to USDA prior to the submitting NEPA paperwork to USFWS. Lorz emphasized the need for a timeline of milestones as well as the weekly meeting.
- 3.12.7. **Ringold avian counts.** ACTION: Morrill will report back on the progress. Morrill did not know the intent of this update. Wertheimer clarified there are 100’s of American White Pelicans during the Ringold releases. WDFW is unable to haze them away to protect released fish. John Day Mitigation/TAP is concerned about lack of adult returns

to this hatchery. Morrill is aware of the concern and knows the hatchery staff is too. Currently cannot haze AWPE. Waiting on WDFW report about the status of AWPE, currently WA state protected and cannot be hazed. Status update may change protected status

#### 4. NWP/NWW Critical Fish Passage O&M needs.

- 4.1. Lorz asked if scoring is being done consistently? Mackey suggested scoring by project and then comparing them to each other. Do folk want a separate meeting to really dig into the spreadsheet? Conder supported a separate meeting until we can smooth out the process. VanDyke sees this is another process that bleeds across from technical to policy. Uncertain of what the spreadsheet contains. It contains non-routine items, intent is to prioritize Corps spending if there are excess funds. NOAA wants to make sure funding is prioritize higher for issues that can impact ESA listed fish and we have input. VanDyke asked if it has been vetted at the policy level. It has been included in the BiOp. **ACTION ITEM:** Mackey will host a separate meeting after the January FPOM meeting.

#### 5. Coordination/Notification forms (need concurrence/discussion)

- 5.1. 21 BON 098 MFR U11 Outage and STS Repair
- 5.2. 21 TDA 11 MFR East FL lamprey morts – Cordie, this is not just a dewatering problem, when we dewatered we saw no lamprey. Then when we dewatered several of them emerged so they must have been present. Cordie will work with Macdonald to address the problem.
- 5.3. 21 MCN 10 MFR Rectangular brush and emergency bypass
- 5.4. 21 IHR 15 MOC Unit 2 special generator testing - (1:53/11:19) VanDyke asked about the purpose of the test. Results will be used to determine unit characteristics so we can better model expected performance. There may also be NERC/WICK aspects. VanDyke asked for a better description of the purpose of the test. Conder would rather see this shifted into August to protect out migrants. Lorz – is the same contractor doing the work on Unit 3 also doing the testing on Unit 2 so any delay could ripple, which would be better for fish.
- 5.5. 21 LMN 07 MFR Spillbay 3 OOS – OSS for 2022 and maybe longer. Are there opportunities to replace the part from another bay? There is concern that the other bays may be failing in a similar way – failing a friction test. Lorz, Eble, Morrill, and Thompson are all concerned about the condition of the other bays and what the result of their testing was. Lorz asked if it could be opened and closed twice a year? Conder asked if there was bearing was properly lubricated, or in it's best operating condition prior to the friction test? *Peery followed up with email on 12/14/21 to answer several of these questions:*

What is the condition of the remaining spill gate trunnions?

The only other gate measured was spillbay 7, at the same time as spillbay 3. We are working with district to get all gates instrumented to validate trunnion friction.

Swapping parts to have spillgate 3 operational is not an option since the condition of the other bushings are not known. This would also force multiple gates out of operation and would be more costly than repairing the one gate.

About the greaseless bushings (whether or not we have tried greasing them).

Applying grease is one of the options being looked at right now, but it is going to require some research and the installation of grease ports and grease lines that don't currently exist.

#### 6. Fish Passage Plan

- 6.1. The 2021 FPP is in effect through February 2022. – No new changes forms have been submitted. The current ones are posted to the FPOM website. They will be discussed on January 27<sup>th</sup>. Van Dyke is concerned this is not an efficient process, not reviewing change forms that haven't been updated yet. Wright will have everything posted by the end of the year giving four weeks for review.
- 6.2. The DRAFT 2022 FPP is in development. Draft sections and Change Forms are at: [pweb.crohms.org/tmt/documents/fpp/2022/changes](http://pweb.crohms.org/tmt/documents/fpp/2022/changes)
- 6.2.1. 2022 FPP production schedule:
  - 17-DEC-2021: due date for Change Forms and Appendix A submissions.
  - 31-DEC-2021: all drafts will be posted online for review by no later than 31-Dec.
  - 27-JAN-2022: Annual FPOM FPP meeting.
  - 11-FEB-2022: drop dead due date for all approved and finalized language.
  - 22-FEB-2022: Final 2022 FPP posted online.
  - 1-MAR-2022: Final 2022 FPP goes into effect.

## 7. Task Group Updates.

### 7.1. Task Group Avian meeting (Cordie)

7.1.1. <http://pweb.crohms.org/tmt/documents/FPOM/2010/Task%20Groups/Task%20Group%20Avian%20Hazing/>

- 7.2. Task Group Condition Monitoring (Lorz & Sullivan) – Still some back and forth going on with the SMP. There is an FPP change for describing how TDA is moving forward. NWW, Conder has also submitted an FPP change form in the case that SMP does not go forward which describes what the condition monitoring requirements are now.

<http://pweb.crohms.org/tmt/documents/FPOM/2010/Task%20Groups/Task%20Group%20Condition%20Monitoring/>

- 7.3. Task Group 15 Mile Steelhead Overshoots, TDA ITS operation dates. (Bellerud) – Straw man will be repeating last years operation so take a look at those and provide comments to Bellerud.

<http://pweb.crohms.org/tmt/documents/FPOM/2010/Task%20Groups/Task%20Group%20TDA%20ITS%20operations/>

- 7.4. Task Group Non-native Piscine Predation (Thompson).

<http://pweb.crohms.org/tmt/documents/FPOM/2010/Task%20Groups/Task%20Group%20Non-native%20piscivorous%20fish>

- 7.4.1. TG will meet following December FPOM at 1300 hours.

Van Dyke asked to add John Day River Overshoot Active Tag study presentation to the January FPOM agenda, maybe 15 to 30 minutes with presentation and discussion. **ACTION ITEM:** McClain will add to January's agenda.

FPOM ended at just about noon.