

## MEMORANDUM FOR THE RECORD

Subject: DRAFT minutes for the 10 November 2021 FPOM meeting. The meeting was held via WebEx from 0900 to 1113 hours In attendance:

Last	First	Agency	Email
Baus	Doug	NWD RCC	Douglas.m.Baus@usace.army.mil
Bellerud	Blane	NOAA	Blane.Bellerud@noaa.gov
Bettin	Scott	BPA	swbettin@bpa.gov
Brandtner	Christine	NWP-FFU	christine.m.brandtner@usace.army.mil
Chockley	Brandon	FPC	bchockley@fpc.org
Conder	Trevor	NOAA	Trevor.Conder@noaa.gov
Cordie	Robert	NWP-TDA	Robert.P.Cordie@usace.army.mil
Ebel	Jonathan	IDFG	Jonathan.Ebel@idfg.idaho.gov
Fielding	Scott	NWP JDA	Scott.D.Fielding@usace.army.mil
Gallion	Darren	NWP	Darren.g.gallion@usace.army.mil
Gibbons	Karrie	NWP-FFU	karrie.m.gibbons@usace.army.mil
Grosvenor	Eric	NWP-JDA	Eric.Grosvenor@usace.army.mil
Graham	Jen	Warm Springs Tribes	Jennifer.Graham@ctwsbnr.org
Hausmann	Ben	BPA Predation	bjhausmann@bpa.gov
Johnson	Bobby	NWW-MCN	bobby.johnson@usace.army.mil
Lampman	Ralph	Yakama	lamr@yakamafish-nsn.gov
Lawonn*	James	ODFW	matthew.j.lawonn@state.or.us
Lorz	Tom	CTUIR	lort@critfc.org
Macdonald	Jacob	NWP	Jacob.Macdonald@usace.army.mil
Mackey	Tammy	NWP	Tammy.m.mackey@usace.army.mil
Madson	Patricia	NWP-FFU	Patricia.L.Madson@usace.army.mil
McClain	Nathan	NWP	Nathan.A.McClain@usace.army.mil
McDowell*	Michelle	USFWS	Michelle_McDowell@fws.gov
Morrill	Charlie	WDFW	Charles.Morrill@dfw.wa.gov
Mumma	Mitchel	USBR	All, please email me contact info -Nathan
Negherbon	Logan	NMFS	logan.negherbon@noaa.gov
Peery	Chris	NWW	Christopher.A.Peery@usace.army.mil
Peterson	Christine	BPA	chpetersen@bpa.gov
Porter	Laurie	CRITFC	porl@critfc.org
Scott	Shane	Public Power Council	shane@sscottandassociates.com
Silver	Greg	CRITFC	gsilver@critfc.org
Skiles	Tom	CRITFC	skit@critfc.org
St. John	Scott	NWW	Scott.j.st.john@usace.army.mil
Sullivan	Leah	BPA	lssullivan@bpa.gov
Swank	David	USFWS	David_Swank@fws.gov
Thompson	Josie	NOAA	Josie.Thompson@noaa.gov
Urmston	Jennifer	USFWS - Avian	All, please email me contact info -Nathan

Van Dyke	Eric	ODFW	erick.s.vandyke@state.or.us
Warf	Don	PSMFC	dwarf@psmfc.org
Wendler	Jeanette	NWP BON	Jeanette.C.Wendler@usace.army.mil
Wertheimer	Bob	NWP-FFU	Robert.h.wertheimer@usace.army.mil
Wright	Lisa	NWD-RCC	Lisa.S.Wright@usace.army.mil

\*Called in for the Avian Updates only.

## 1. Final decisions or recommendations made at this meeting.

- 1.1. Approve September Meeting Minutes with WDFW edits
- 1.2. Approve October Meeting Minutes with ODFW edits

## 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.
- 2.1.2. [October 21 ] 21 LGS 13 MOC Guidewall Anchor Cables Replacement. ACTION ITEM: Peery will check with project to determine how many units will be out and report back to Bettin. Perry, U1-4 will likely need to be down, sent info to Bettin.
- 2.1.3. [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.

### 2.2. NWP

- 2.2.1. [July 21] Ringold avian counts. ACTION: Morrill will report back on the progress. Progress is being made, there is no end date for the report could be as early as next month.
- 2.2.2. [October 21] JDA-N Elevator. ACTION: Fielding will check about training locally for elevator maintenance. Do not have any local training available, We do have a contractor on site so his evaluation should be available soon. Porter asked if the Corps could support lamprey collection if the elevator is not working? Fielding could not commit support right now but wants to have this conversation if the elevator repair is not complete in time.
- 2.2.3. [October 21] Columbia Basin Avian ACTION: Trachtenbarg will provide an Inland Avian Management Plan update.
- 2.2.4. [November 21] ACTION ITEM: Mackey will check with NWP PME group about the best forum for a Columbia Basin avian group.
- 2.2.5. [November 21] Estuary avian. ACTION ITEM: Lawonn will send his report to McClain for posting to the FPOM website.

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

- 2.3.1. [October 21] Avian Lethal Removal ACTION: McClain will request Schmidt provide and update of NEPA progress. McClain emailed Schmidt on 10/20/21 to alert him of the update request. It has been added to the agenda.
- 2.3.2. [November 21] ACTION ITEM: Peery will share gut contents results from McNary with FPOM. Peery emailed the results to FPOM.

## 3. Updates

### **3.1. NWW Updates**

- 3.1.1.** JFF Early Start – Lots of discussion with TMT & FPAC. McNary, starting on 1 March this year. Snake River dams have a Navigation lock outage during a similar time frame. Do not have large enough crews to accomplish both. They will try to get their screens down and juvenile passage operating as soon as possible. Morrill asked if Little Goose could get the screens in one week after the Nav Lock outage is complete? They will try.
- 3.1.2.** SMP will not be at LoMo next year, NWW is determining a path forward: current contractor, new contractor, or hiring more Corps staff to do the work. Ebel asked if current contractor could perform the work? They are waiting for an estimate from current contractor. Lorz & Porter asked about John Day? Could that be added to the agenda? Mackey responded it was a BPA funding issue and the Corps had no update right now. Ebel asked why the Corps would differ to BPA?
- 3.1.3.** Upcoming maintenance/construction/research activities (previously coordinated MOC/MFRs).
  - 3.1.3.1.** 20 LGS 16 MOC Powerhouse Roof Repair – On schedule, water year will determine if it occurs early vs. later in the year.
  - 3.1.3.2.** 21 LGS 13 MOC Guidewall Anchor Cables Replacement – Still scheduled for this winter. Waiting on schedule and plans for dive work.
  - 3.1.3.3.** 21 LWG 08 MOC Trash Rake Crane Replacement (May 2022) - Still scheduled on schedule.
  - 3.1.3.4.** LWG Adult Trap Water Supply – Still trying to determine advantages and disadvantages of the two water supplies.
  - 3.1.3.5.** MCN spillway crane repairs. Spill patterns for underrated cranes and TSW removal (21 MCN06 Modified spill pattern for TSW removal) – Crane 6 is operational, crane 7 is OOS waiting on the motor starter. Ryan Lowery has been in contact with the project to see if there is any flexibility in the spill table.

### **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.
  - 3.2.1.2.** 21BON010 MOC ITS Closure for Gate Inspection (11 OCT 2021) – Work was complete and the ITS is now operational. Engineers got what they needed. ITS back in operation.
  - 3.2.1.3.** 19TDA04 MOC Crane rail Replacement winter (on going work) – they are finishing up and will be testing soon.
  - 3.2.1.4.** 20TDA10 MOC PUD Smolt Bypass Extended Outage
  - 3.2.1.5.** 18JDA02 MOC Trash rack replacement. Scheduled for April 2022.
  - 3.2.1.6.** 20JDA04 MOC STS crane replacement. -Waiting for contractor's drawings, will have a schedule after that.
  - 3.2.1.7.** BON Aqui-S long term solution. Still working with EPA for long term. In 2022 will be on the ground disposal. Morrill is disappointed in the apparent lack of progress. Some has been made, however EPA is looking at nation wide rules for Aqui-S disposal.
  - 3.2.1.8.** TDA AWS debris management. (Rerecich FC, Medhi Rashani TL, Kovalchuck temp PM)
- 3.2.2.** 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”

- 3.2.3. JDA north pump #4. Maintenance crew will unstack the pump to determine issues as time allows. Still have five other pumps.
- 3.2.4. JDA spill bay 10. In manual operation, have not figured out remote operations from the control room, likely manual most of spill season. District design branch is going to visit to help find the disconnect between spill gate and control room. Still operational by pushing a button.
- 3.2.5. JDA N elevator #4. A contractor is on site to determine what is wrong with the elevator.

**3.3. NWS Updates (Seattle)**

- 3.3.1. Upcoming maintenance/construction/research activities (previously coordinated MOC/MFRs). NWS not on the call.
- 3.3.2. Albeni Falls Dam – No updates, via email
- 3.3.3. Chief Joseph Dam
- 3.3.4. Libby Dam

**3.4. Research/FFDRWG updates.**

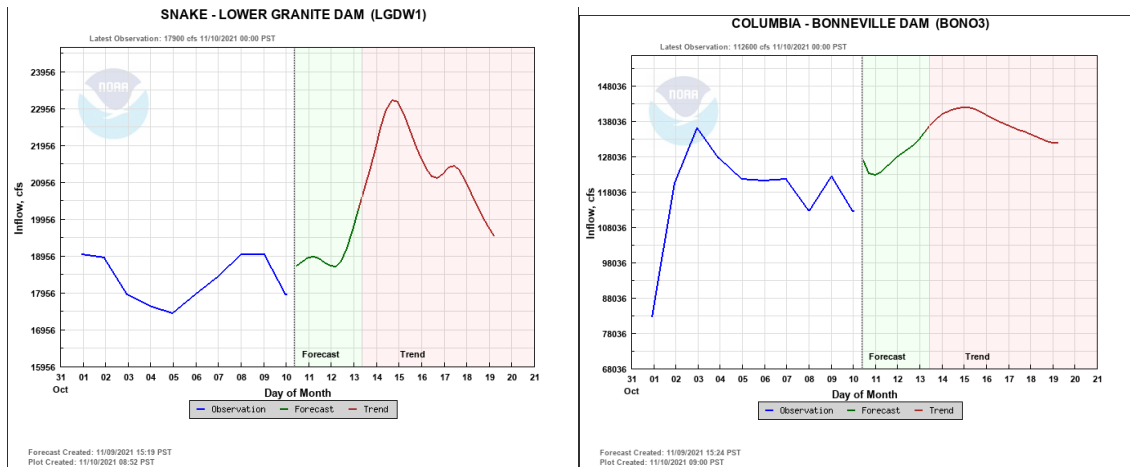
<http://pweb.crohms.org/tmt/documents/FPOM/2010/FFDRWG/FFDRWG.html>

- 3.4.1. **NWP FFDRWG.** Met November 4th, talked about John Day North LPS water supply got some positive feedback from NOAA. Also got some good feedback from NOAA, PSMFC, Tribal lamprey WG about the shape of orifices for the BI rebuild. Talked with Conder about a possible ladder colling project at John Day, to keep the conversation alive in FPOM. Jake will be sending out draft notes shortly.
- 3.4.2. **NWW FFDRWG.** Ice Harbor trash rack exclusion device is on track. Weir crest at MCN to help lamprey entrance is moving forward. Questions about funding for cooling water tower at Little Goose to help design phase to keep moving forward.

**3.5. RCC update**

Project	Previous Day (11/9) Average Outflow (kcfs)	5 Day (11/14) Forecasted Inflow (kcfs)	10 Day (11/19) Forecasted Inflow (kcfs)	Forecasted Inflow Low/High (kcfs)
LWG	18	22	20	19 (11/10) / 23 (11/14)
MCN	104	127	123	113 (11/10) / 129 (11/15)
BON	118	141	132	123 (11/10) / 142 (11/14)

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



**3.6. BPA update.** Nothing really notable, Bettin is sending another spreadsheet.

**3.7. Fish Count Program update (Peery, Wertheimer).** Live counts at BON, daytime video at LGO, and LGR this winter. All other locations live counts stopped the end of October.

**3.8. Pinniped update**

**3.8.1. Bonneville Dam** – Daily point counts of 14 animals, below the 20 animal trigger for predation monitoring. Abundance monitoring continues. Congressional delegation is visiting BON. Annual report due February 28th, if managers have data need please work with the Wertheimer and the FFU. Morrill reports removal season ends November 19th.

**3.8.2. Willamette Falls** –

**3.9. Lamprey update**

**3.9.1. BON** – LPSs taken OOS Monday November 1st. Working multiple winter maintenance issues at Bradford Island fishway. Wertheimer - FFU will have letter report no later than February 28th.

**3.9.2. TDA** – working with PDT on future lamprey improvements.

**3.9.3. JDA** – Have ordered platting material for the variable width weir (N ladder entrance). Improving the north and south fish traps. Porter requested TG Condition Monitoring meet prior to the December meeting. There is a forthcoming FPP change for that addresses John Day SMP. Lorz wants to know what the plan is for John Day SMP before a meeting is scheduled. Conder asked when FPP change form will be out? Wright has it and can send it out. Porter asked that FPC, BPA, Corps, Tribes, and CRITFC be invited to the next TG Condition Monitoring meeting. She wants to be sure lamprey have a seat at the table when decisions are made. FPP Change form will facilitate comments from stake holders. Porter is concerned about the timeline and not being able to collect lamprey when the season begins. They will be asking to collect juvenile lamprey again next year. Mackey suggested completing the research access packet for collecting lamprey with the dates and hours they would like to collect. Lampman (YN) supported Porter’s position.

**3.9.4. NWW** – Upcoming juvenile lamprey passage study, working with PNNL on numbers of fish to release. They have determined a dead fish release will be necessary, trying to decide the best source.

**3.9.5. Lamprey Accords Work Group (Macdonald)** – Juvenile pass study at LGR in 2022. Upgrading BON LPS counters from mechanical to optical counters. Next Corps-Tribal lamprey WG meeting early December. Reviewing NWD’s implementation plan to see if changes are needed.

**3.9.6. Avian updates (10:30)**

**3.9.7. NWW** – Bird counting ended in October. Lorz asked about report from last season. They are working on a memo to document changes in bird predation locations due by the end of the year. Conder requested a similar report from NWP. Would this be part of their annual report or independent? It could be an appendix, but one report from each project is ok. More discussion about the specifics of the reports and possible AFEP predation session. Morrill asked if there were any results from gut contents collected at NWW dams. **ACTION ITEM:** Peery will send template to Mackey and she will work with NWP projects. **ACTION ITEM:** Peery will share gut contents results from McNary with FPOM.

**3.9.8. Inland Avian Management Plan update** (Anderson / Trachtenbarg from NWP due to extensive previous experience) - Trying to coordinate funding for flights of the Columbia plateau and John Day Reservoir. USBR likely still working Goose Island and Potholes reservoir. Folks are reaching out about Badger Island opportunities they are directed to NWD (Studebaker) to determine Corps involvement. Mitch Mumma (USBR) confirmed USBR is still working active and passive hazing at the Potholes. Swank asked about evaluation of the Blalock inundation operations. Corps is still looking for funding to support Civilian Air Patrol (CAP) flight to collect photos for colony size. Morrill asked about coordination with Mid-Columbia Coordination Committee? Mumma responded they have worked with that group in the past but they are no longer funding this work. It is funded by USBR.

**3.9.9. JDA** – Pretty routine, gull activity below the dam likely on juvenile shad. Up to 800 gulls loafing on the floating navlock wall. ~50 DCCO per day and ~5 Grebes in the forebay. Wertheimer asked about the gap below the adjustable lines? There is a gap where contractor is replacing the six avian lines that snapped.

**3.9.10. TDA** – Typical fall numbers. Gulls 200 to 300 per day, seem to be feeding on juvenile shad. Hitting the NavLock when the boats are locking through as well as turbine units. Lorz asked if foraging location changed based as white water location changed with spill. Not certain the foraging locations have changed that much.

**3.9.11. BON** – Mainly gulls and DCCO, lot of juvenile shad present. One American White Pelican spotted. The first one Wendler has seen, maybe the first documented at BON.

**3.9.12. Estuary**

**3.9.12.1. ESI** compiling CATE reports, peak count estimates, what we did during the season and what we saw. Will be working on DCCO next. Lorz asked what the plan was for predation estimates for ESI? FFU is meeting the requirements of the monitoring plan, productivity plots, etc., we have collected PIT tags and uploaded them to PITAGIS. However, predation estimates at ESI are beyond that scope of work. Lorz thinks that predation estimates might still be required of the Corps. Macdonald does not know of a requirement to continue predation estimates at ESI. Not planning to do it at this time. Lorz thinks others might have a different opinion.

**3.9.12.2. Rice, Miller, Pillar.** Wertheimer so folks are tracking, we have combined scopes from two BiOps. For the FCRPS Navigation BiOp we do dissuasion and monitoring on Rice, Miller, Pillar – that report will be posted to the FPOM BiOp as well. The green laser was used successfully – those results are in the report.

**3.9.12.3. Lawonn finished counts** from aerial photos from areas outside the Astoria-Megler bridge & ESI. The number of DCCO have increased away from the large colonies, particularly the Troutdale towers colony ~350 DCCO breeding above the typical 250 pairs. Info is being passed the USFWS as part of this year's Pacific Flyway council's DCCO breeding colony counts. Lawonn understands the Corps will

not be able to fund future Civil Air Patrol flights to collect aerial photos. **ACTION ITEM**: Lawonn will send his report to McClain for posting to the FPOM website.

**3.9.13. Lethal Removal** – Update of the NEPA progress (Schmidt) – via email 11/9/21:

“Working with APHIS as a cooperating agency on a weekly basis. Currently we are working through a number of issues including approach to the depredation permit, public involvement process, tribal government to government consultation, and a number of EA details. USFWS want to see our request for lethal take to be reflected from the most recent breeding birds studies that were done by RTR which were contracted by BPA and others to look at gull numbers in the Columbia River Basin. I'm working with BPA and RTR to get that data.”

Lorz is working on a letter requesting the schedule and time-line for completing NEPA process. This is not the first attempt to work this. Morrill is this an on-going discussion at this point or do we have a road map to get the permit? McDowell – weekly meeting are ongoing with USFWS and others with the goal of getting a permit next spring.

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

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

**5.1. 21 LWG 13 MFR AWS Pump 1 Failure**

**5.2. 21 LMN 06 MOC North Fish Ladder Debris Barrier Anchor Block (new)** – Josie asked for more details on the schedule. They will be doing the framing and concrete pouring while the ladder is in operation so the concrete will be cured when the ladder is OSS and the block can be placed. Morrill asked if work could happen latter in the day to facilitate early morning passage of adults? **ACTION ITEM**: Peery will check to see if concrete pump truck work could be delays until later in the day.

**5.3. 21BON096 MFR U17 Outage and STS Repair**

**5.4. 21BON097 MOC Early STS Removal** – Not yet sent out, Conder asked for a preview. Tammy described MOC and McClain sent it out after FPOM comments due in two week November 24<sup>th</sup>. Swank asked if fewer crew simply meant it would take longer? It requires six riggers do perform the screen removal and they will not be available the week of the 20<sup>th</sup> due to the Christmas holiday.

**6. Fish Passage Plan**

**6.1. 2021 FPP is in effect through 28-FEB-2022:**

<http://pweb.crohms.org/tmt/documents/fpp/2021/>

**6.2. New FPP Change Forms:**

**6.2.1.21MCN006** – Unit 5 Range w/ Locked Blades (UPDATED)

**6.3. 2022 FPP Production Schedule and Due Dates:**

17-DEC-2021: due date for Change Forms and Appendix A submissions.

31-DEC-2021: all drafts available online for review.

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 (goes into effect 1-MAR).

**7. Task Group Updates.**

**7.1.1. Task Group Avian meeting (Cordie)**

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

**7.1.2.** Cordie does not have plans for next meeting yet. Lorz (10:16 / 1:03:00) we are still talking about avian lines at McNary. Cordie's focus has been at The Dalles and John Day. Is there a different group addressing the entire Columbia Basin. Conder is concerned about poor survival of Steelhead and some sockeye stocks and questions about flexible spill / high spill operations. Has bird predation changed at dams? WDFW supports having a central group. Mackey – FPOM might not be the best venue for a Columbia Basin wide group. We are focused at the dams and meeting our ESA requirements. Condor – The inland avian predator plan was to perform a suite of actions **ACTION ITEM:** Mackey will check with NWP PME group about the best forum for a Columbia Basin avian group.

**7.1.3. Task Group Condition Monitoring (Lorz & Sullivan)**

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

**7.1.4. Task Group 15 Mile Steelhead Overshoots,** TDA ITS operation dates. (Bellerud) – Will have more information next month. Morrill asked about using PIT tags to help with the evaluation. Both thought ODFW may be ramping down their PIT tag efforts in 15 Mile and other creeks. There was talk of a sluiceway detector at The Dalles but could be cost prohibited. Morrill thought new technology might make that more practical. Van Dyke mentioned it seems to me a basin wide issue, not one project. The availability of PIT tagged fish from many basins will be a good improvement to try to understand what is happening at The Dalles. Bellerud commented that it seems we came to the conclusion that it was good for some fish. The question is will we do it next year. ODFW wants to see a wider operation. We will review what happened last year to see if we meet sluiceway operations and see what modification we might want to propose.

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

**7.2. Task Group Non-native Piscine Predation (Thompson).**

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

**7.2.1.** TG will meet following December FPOM at 1300 hours. A discussion of the literature review.

Meeting ended at 1113 hours.