

MEMORANDUM FOR THE RECORD

Subject: Draft minutes for the 14 January 2021 Fish Passage Operations & Maintenance meeting.

The meeting was held via teleconference. 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
Chockley	Brandon	FPC	bchockley@fpc.org
Conder	Trevor	NOAA	Trevor.Conder@noaa.gov
Cooper	Erin	FPC	ecooper@fpc.org
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
Grosvenor	Eric	NWP-JDA	Eric.Grosvenor@usace.army.mil
Hausmann	Ben	NWP -BON	Benjamin.J.Hausmann@usace.army.mil
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Lorz	Tom	CRITFC	lorl@critfc.org
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Morrill	Charlie	WDFW	Charles.Morrill@dfw.wa.gov
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Peterson	Christine	BPA	chpetersen@bpa.gov
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Scott	Shane	Public Power Council	shane@sscottandassociates.com
Sears	Sheri	CTCR	Sheri.Sears@colvilletribes.com
Silver	Greg	CRITFC	gsilver@critfc.org
Skiles	Tom	CRITFC	skit@critfc.org
St. John	Scott	NWW – LGS	Scott.j.st.john@usace.army.mil
Sullivan	Leah	BPA	lsullivan@bpa.gov
Swank	David	USFWS	David_Swank@fws.gov
Thompson	Josie	NOAA	Josie.Thompson@noaa.gov
Tidwell	Kyle	NWP-FFU	Kyle.S.Tidwell@usace.army.mil

Van Dyke	Eric	ODFW	erick.s.vandyke@state.or.us
Warf	Don	PSMFC	dlwarf@psmfc.org
Wertheimer	Bob	NWP-FFU	Robert.H.Wertheimer@usace.army.mil
Wright	Lisa	NWD-RCC	Lisa.S.Wright@usace.army.mil

1. Approve December Meeting Minutes (Peery Hosting)

- 1.1. December minutes were approved
- 1.2. 20AppF001 – Sturgeon Coordination (Morrill) was approved.
- 1.3. Bellerud will chair the 15 Mile Steelhead Overshoots (TDA ITS operation dates) Task Group.

2. Action Items

2.1. NWW

2.1.1.[December 20] 20IHR08 MOC Floating Guidewall Cable Replacement. ACTION:

Peery will send updated MOC to Nathan for FPOM distribution and posting to the website.

Update: Updated MOC (in track changes) was forwarded to FPOM 1/11.

2.1.2.[December 20] Invasive species discussion (Peery). ACTION: Van Dyke – Chris [Peery] I'll give you a call, process and interpretation are pieces at the policy level to work. Morrill – will call Peery as well. Update: Call could not be scheduled. Peery will try to re-schedule. Van Dyke would like to re-circulate the letter. Morrill, Peery, and Van Dyke discussed potential to use contracted northern pikeminnow fishers to help remove. Conder – wouldn't want to see a compromise of Corps function in terms of time or funding. Does not see much benefit to salmonids from this effort.

2.2. NWP

2.2.1.[November 20] TDA East Exit boundary. Cordie – wants to move the BRZ away from the new AWS intake to prevent fishing boat entrainment. Waiting on Morrill to look at the regulations. Morrill said he is aware but was not able to follow up last month. ACTION: Morrill will review the WA regulation for next month and will check map and distance, report back in February

2.2.2.[December 20] 18JDA02 MOC Trash rack replacement. Fielding– contract to be awarded in 2021. Lorz – is this replacement in-kind or a new design? ACTION: Fielding will check and get back to FPOM. Update: *Fielding – replace in-kind. Jon R: Will leading edges be rounded?* ACTION: Fielding will determine leading edges will be rounded and report back in February.

2.2.3.[December 20] BON ITS gate – Conder wants to see the 30% design and provide comments at there is PIT detection associated with this action. ACTION: Hausmann will find out if work can be done during the in water work window and try to coordinate FPOM reps attendance of PDT meeting. Hausmann – Concern about cold water & weather causing hypothermia while doing work. It will require an extended outage to build coffer dam to dry area, remove welded plate to inspect the guide. Conder asked about schedule, prefers work take place in winter to avoid salmonids. If that can't happened July – September when PH2 would be priority. Avoid sub-yearling Chinook outmigration as much as possible. ACTION: Hausmann will report back on how far PDT can delay inspection (latest date).

2.2.4.[December 20] BON WA SH serpentine PIT antennas - ACTION: Warf will coordinate PIT antenna install and additional dewatering with Hausmann. Update: *Antennas to be*

install next Wednesday with project support. Hausmann is working to finish ladder work so only above water work remains to complete. Morrill asked about new CI PIT antennas, if SCT funding could be moved to support this. Bellerud will get it on SCT agenda. Warf – design is already complete in CAD. Group will work issue at SCT.

2.2.5.[December 20] TDA Sluiceway cover. ACTION: Cordie will send photos of sluiceway cover. *Update: Cordie – cover is not yet installed so no pictures yet. Hopefully next month.*

2.2.6.[December 20] 20TDA14 MFR Fish Unit 2 oil spill. ACTION: Hausmann and Cordie will provide information about their prospective oil accountability programs for posting to the FPOM website. *Update: Mackey is working to get Office of Council clearance to post the plans to the website.*

2.2.7.[January 21] TDA Ice Trach Sluiceway operations for 15 Mile Creek Steelhead.

Action: Bellerud & Cordie will Co-chair a new Task Group. Cordie will reach out to Derrek Faber (ODFW) to see if he'll join Task Group.

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

2.3.1. [November 20] 20JDA20 MOC SMF Condition Monitoring - ACTION: A task group will be formed and Lorz (CRITFC) and Sullivan (BPA) will chair. *Update: FPOM Task Group – Condition Monitoring was revived and meet on December 15th.*

2.3.2.[December 20] BON JMF wetland sinkholes and proposed repair. ACTION: Hausmann will send photos to Nathan to distribute. *Update: photos emailed by McClain 1/11/21.*

3. Updates

3.1. NWW

3.1.1. Upcoming maintenance/construction/research activities.

3.1.1.1. 20IHR08 MOC Floating Guide wall Cable Replacement.

3.1.1.2. 20LGS16 MOC Powerhouse Roof Repair. Peery (email 1/11/21)- the roof replacement for Little Goose Dam is be postponed until 2022 because of contracting delays and availability of the BPA transformer team. The MOC has been updated accordingly. The final date that the bus lines are to be decoupled has also been moved from October until December. All other conditions for the work remain as previously discussed. Peery – could be removed from agenda.

3.1.1.3. Spreadsheet – Fish pump #3 at Lower Granite, might be outage in March or April for testing to get pumps back up and running.

3.1.1.4. Invasive species discussion (Peery). – We talked about this earlier.

3.1.2.NWW winter maintenance and dewatering activities

3.1.2.1. TDA PIT tags recovered during fishway dewatering (gravel piles)

3.1.2.2. St. John – Electric motor failure, unable to raise weir NSE1 just shy of 1'.

Dewater ladder & channel week of Jan 25th , plan to return mid-February. Morrill – Is coordination on-going to get PSMFC to inspect PIT antenna? St. John – yes. Lorz asked about temperature control fix. St. John – permanent power for pump and backup power for JFF is ready to go.

3.1.2.3.

3.1.2.4. McNary – Stop logs not fitting, old log still in place will require a diver to help remove.

3.1.2.5. Lower Granite. Holdren -Water up late next week, adult trap is ready to go,

3.2. NWP

3.2.1.Upcoming maintenance/construction/research activities.

3.2.1.1.

- 3.2.1.2.** 15TDA08 MOC Transformer Installation.
- 3.2.1.3.** 19TDA04 MOC Crane rail Replacement winter (20/21) – No update
- 3.2.1.4.** 20TDA10 MOC PUD Smolt Bypass Extended Outage – Martinson they are working invitation to bid. Extended outage still planned.
- 3.2.1.5.** 18JDA02 MOC Trash rack replacement. Fielding will update MOC as contracts are awarded.
- 3.2.1.6.** 20JDA04 MOC STS crane replacement.
- 3.2.1.7.** 20JDA14 MOC Line 1 outage – BPA transmission work.
- 3.2.2.**BON ITS gate. No update
- 3.2.3.**BON Rock Removal. No firm date yet, contract required completion by Feb 28th.Award soon, call later today.
- 3.2.4.**BON Cascade Island PIT. WA shore this week, CI next week.
- 3.2.5.**BON WA SH serpentine PIT antennas. WA shore this week, CI next week.
- 3.2.6.** BON Aquí-S update. – No update, waiting on Office of Council for long term solution.
- 3.2.7.**TDA AWS trash rack.
- 3.2.8.**TDA Sluiceway cover. Not installed yet
- 3.2.9.**TDA East Exit boundary. Morrill will look at map and distance in WA regulations.
- 3.2.10.** TDA trunnion pin.
- 3.2.11.** TDA Ice Trach Sluiceway operations for 15 Mile Creek Steelhead. Cordie – ODFW report from Derrek Faber ~90% overshoot The Dalles. Only 15% detected at Bonn make it to 15 Mile Creek. ODFW request longer operation of ITS to allow steelhead a downstream route to 15 Mile Creek. NOAA (Bellerud) & ODFW (Van Dyke) support revisiting operations. Morrill suggest Task Group to look at surface passage routes in the winter. Bellerud volunteered to be the TG Chair, Cordie Co-chair. Benton & Sullivan (BPA) volunteer to join Task Group as well as WDFW (Morrill). Action: Cordie will reach out to Derrek Faber (ODFW) to see if he'll join Task Group.
- 3.2.12.** JDA north pumps (#4 out). Planning to meet with maintenance to determine schedule.
- 3.2.13.** JDA spill bay 10. Spill bay 10 is currently only manual, Fielding will see when it will be repaired for automatic operations.
- 3.2.14.** NWP winter maintenance and dewater
- 3.2.15.**
 - 3.2.15.1.** JDA. Re-watering N ladder today, nothing to note. Dewatering the south ladder next week.
 - 3.2.15.2.** TDA. ROV inspection below tailwater, East fishway, showed one grating missing and some grates had shifted. Divers have reinstalled & repaired with extra support to avoid shifting.
 - 3.2.15.3.** TDA. PIT tag recovered during fishway dewatering (gravel piles). As part of avian monitoring they have been scanning bird loafing area. Also checked gravel piles in the 180 bend of the ladder and found several tags from multiple species (Spring & Fall Chinook, a couple lamprey) uncertain where they came from. First thought was bird predation but we don't see them inside the ladder there. Morrill – I would hope that BON, JDA, and MCN could check as well. Hausmann – we will do that this year. Just borrowed equipment from FFU. General discussion about where tags might have come from, detection histories, how long a tag would last in the ladder before being crushed by swirling gravel. Cordie asked Warf if there is a general number for the percent of tags shed by live fish. Warf – A good question for the biologist. In the early days, Earl Prentice and others did some research on shedding rates. PSMFC appreciate removal of old tags to prevent tag conjunction near antennas, making them unable to read new tags when an old tag is in the field.
 - 3.2.15.4.** BON. Hausmann -things are progressing as expected, nothing out of the ordinary.

3.3. NWS (Seattle). No one on the phone.

3.4. **Research/FFDRWG updates.** Jon Rerecich – next February 4th. B2FGE contract awarded. Unit 15 is on the outage schedule March 1-April 20 with contractor complete by April 15th, hydraulic testing in the gatewells as early as mid-May. If acceptable, we will move onto the next unit. Morrill had asked about 7 days / week work to meet the deadline. Current schedule is 5 – 10 hour days but there is flexibility to change work schedule to make the deadline.

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

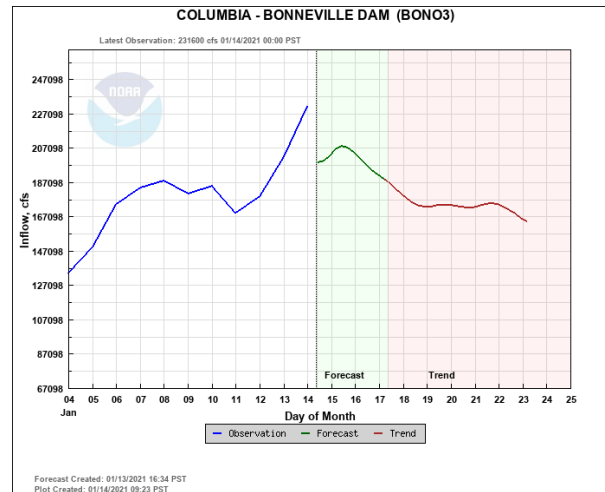
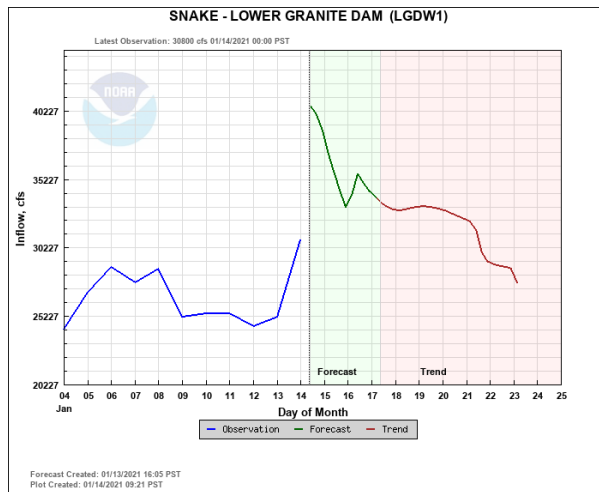
3.5.1.NWP FFDRWG. next February 4th

3.5.2.NWW FFDRWG. Next meeting is 27 January, 2021

3.6. RCC update

Project	Previous Day (1/13) Average Outflow (kcfs)	5 Day (1/18) Forecasted Inflow (kcfs)	10 Day (1/23) Forecasted Inflow (kcfs)	Forecasted Inflow Low/High (kcfs) and Date.
LWG	31	33	28	28 (1/23) / 41 (1/14)
MCN	178	159	150	150 (1/23) / 186 (1/15)
BON	228	177	164	164 (1/23) / 208 (1/15)

Table 1. River Control Center flow forecast.



3.7. **Chum operation.** Baus – operation coordinated through TMT. Have transitioned from spawning to incubation operations on January 1st. Minimum tailwaters is now 11.8 feet. Morrill asked if they figured out why it went down. ACTION: Baus will look into it and get back to Morrill.

3.8. **BPA update.** Benton - Might switch outage of line 2 to line 4, should have answer this week. Outage starts next Tuesday.

3.9. **Fish Count Program update (Peery, Wertheimer).** Not a whole lot going on, annual meeting with contractor next month. Morrill asked about any concerns with the current contractor. Peery – no, we are pretty happy. They are very involved and motivated to do a good job. Meeting this week to continue to improve QA/QC of counting and fish IDing. They are very involved and excited to improve the counting program.

3.10. Pinniped update

3.10.1. BON. Wertheimer – between 5 and 10 Stellar Sealions.

3.10.2. Willamette Falls. No update

3.11. Lamprey update. KB – FFU estimates that 41,105 adult lamprey passed Bonneville Dam (Day + Night counts + LPS + translocated up stream).

4. Avian updates Krasnow (NOAA) & James Lawonn (ODFW) joined the call.

4.1. NWW

4.1.1.MCN – Morrill asked for green laser update. Peery – plan is to deploy two lasers one pointing at outfall and across the river on the nav lock guide wall. Also attempted small LRAD (Long Range Acoustic Device) but were not impressed with result. Past attempts to evaluate laser have been difficult.

4.2. JDA Low number of gulls & DCCOs. A handful of AWPE between the Deschutes & JD TDA Low number of gulls & DCCOs. A group of 50 – 80 gulls hanging around. Eagles has shown up in Westrick Park to feed on dead shad. Task Group Avian is scheduled to meet after this FPOM, I'd like to re-schedule until next month. Latest update for lethal removal. Not going to happen in 2021. Need to write and EA and funding is tight. Krasnow will email agenda topics to Cordie for next months TG Avian meeting. Lorz asked if the NWW EA could also apply to NWP. Cordie responded no, he was told they would have to start from scratch. Trachtenbarg has provided Schmidt some history of the Corps inland avian program. Keep him in the loop about USFWS's new rules for DCCO lethal take. Morrill sent email on December 29th with link to new, less stringent, rules

<https://www.federalregister.gov/documents/2020/12/29/2020-28742/migratory-bird-permits-management-of-conflicts-associated-with-double-crested-cormorants>

Swank (USFWS) – McDowell emailed that new rules increase number of DCCO that can be taken, but does not change much for the Corps.

4.3. BON Hausmann- very low number of gulls and DCCO, almost nothing.

4.4. Estuary Krasnow – is the Corps planning to collect PIT tags from gulls and DCCO on East Sand Island? I don't think Appendix L goes into that much detail. MacDonald – Yes, Corps will be collecting PIT tags from the gull & DCCO colonies on ESI. Wertheimer – gearing up for estuary work. Will be hiring people to replace those that have moved to other positions. Please pass those announcements around to good applicant. Plan to use a green laser to haze birds from Rice Is. Working on egg take permits for 2021.

4.5. WDFW American White Pelican status review is on going.

5. Early Juvenile by-pass start up

5.1. NWW. Peery- Everything is on track from McNary & Lower Granite to start March 1st, McNary will have screens in on units 1 & 10 and additional during February so they are ready for the steelhead overshoot study.

5.2. JDA plan for early start and SMF operation. Mackey asked for Task Group update from December. Lorz – we had a long and arduous conference call, there is a lot of enthusiasm for this topic. Just for this year we could do some shifting of SMP timing to allow for earlier start up (March) and potential of operate during the night to collect juvenile lamprey. Nothing finalized yet but we could move late season sampling effort (low fish, high temps) and use that effort to start earlier. Fielding will work with lamprey group to coordinate targeted night time collection for juvenile lamprey during high run off. No final decision yet. Mackey – early start the 1st or the 15th of March? Lorz – will coordinate call to determine start date based on history of juvenile lamprey collection. Sullivan – with COVID-19 restrictions, there will be SMP staff at the John Day SMF, but data collected will not be 24 hour sampling so will not support SMP work. Chockley – Sullivan voiced FPC concerns about lack of SMP data collection and no index this year. Has the MOC changed since December 16th? Lorz – that was part of the follow on call.

Chockley – as it currently reads they are targeting 300 to 500 fish which is high for condition sampling. It is what we target for SMP sampling. If they collect 300 to 500 every day, that is more fish handled than during SMP which is 300 to 500 every other day. Conder asked about reason for early start up. Lorz earlier start up would increase collection of juvenile lamprey and later in the season high water temperatures prohibit operations. Chockley is concerned that the collection permit does not allow increased collection of salmonids in an attempt to collect more lamprey. Porter summarized follow-on conversations & emails (post Task Group – Condition Sampling). Eble – The ROD has a section about using the SMP data on juvenile passage from JDA to disrupt predator bird nesting in the John Day pool [increasing pool to prevent nesting]. Conder – We look to the BiOp action, during a COVID-19 year we can use available data, even if that is not ideal. Lorz will schedule TG Condition Monitoring meeting in the next two weeks. Focus on early start date and then then number of fish to collect.

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

6.1. 20 MCN 17 MOC T1 Oil Leak Repair. Peery - was to occur in August but was delayed to match with outage needed for updating the transformers. Now trying to coordinate so those outages can occur at the same time. Leak repair & transformer updates will be taking place at all units, MOC was for shutting down U1 and U2 out of priority. This work will occur in July or August and go through the winter. There will be updates to the MOC, trying to maintain outage window of August but it might be shifted or extended. **Pending.**

6.2. 21 IHR 01 MFR Fish mortality during unwatering of upper south fish ladder (Peery)
Controlling dewatering rate to match biologist moving down the ladder is difficult here. Lorz asked about operational changes to protect fish. Peer responded they are planning to add additional plating in the lower ladder where valves are broken. They would slow dewatering and help guide fish across the grating to tailwater.

6.3. 20 JDA 21 MOC COVID-19 Daytime condition sampling proposal (Fielding)

6.4. 21 BON 001 MOC Navigation Lock 1 (old navlock) Bridge Replacement (Trachtenbarg).
Trachtenbarg – original bridge across the old navlock is at end of life. A PDT has been stood up to be replaced. Bulk of work will be on shore, some overwater. Slight addition to the south abutment. This work will be dry but below high water line. Wanted to circulate MOC so that everyone is aware of this work. Conder – concerned that this work will interfere with sea lion trapping.

7. Fish Passage Plan: (11:21 / 2:20:50) The final 2020 FPP is in effect through the end of February 2021 and is available online at: <http://pweb.crohms.org/tmt/documents/fpp/2020/>

7.1. Pending Change Forms:

7.1.1. 20AppF001 – Sturgeon Coordination (Morrill). Discussed at November FPOM and members wanted more time to review. Comments were submitted by NWW via email on November 20 and incorporated into the change form. Eric H. (NWW) – We would require current access process to be followed and it would be logistically challenging to let taggers know prior to any emergency outage. Morrill – I think we are waiting for comment from the Corps, feedback for the project Bios, but we are ready to go forward. Morrill suggest to finalize this change form. Hockersmith provided feedback. Wright – any concerns about finalizing this? No one had concerns. **APPROVED.**

7.1.2. Website is updated for 2021. Wright – will send change forms out as a packet

7.1.3. Little Goose. In-season co-ordinations Unit 1 operations and Unit 6 priority.

7.1.4.Lower Granite. Request last year to keep the RSW in operation until August 31st to maintain PIT detection. There are not necessarily proposals, just in-season coordination from last year.

7.1.5.Schedule for 2021, same as last year. No printing of the FPP, will be distributed electronically.

7.2. New Change Forms:

7.2.1. New change forms for the 2020 FPP will be discussed at the annual FPP meeting on Thursday, January 28. All change forms and draft chapters/appendices are available online at: <http://pweb.crohms.org/tmt/documents/fpp/2021/changes/>

7.3. 2021 FPP Production Schedule and Deadlines.

- Thursday, Jan 28, 2020 – annual FPOM meeting to finalize FPP Change Forms.
- Friday, Feb 12, 2021 – FINAL DROP DEAD DUE DATE for all approved FPP Change Forms and final Appendix A submissions.
- By no later than Monday, Feb 22, 2021 – the Final 2021 FPP will be available for download online @ <http://pweb.crohms.org/tmt/documents/fpp/2021>
- Monday, March 1, 2021 – start date of 2021 FPP

8. Task Group Updates.

8.1. Avian Task Group meeting (Cordie)

8.2. Task Group Condition Monitoring (Lorz & Sullivan). See 5.2. JDA plan for early start and SMF operation above. Lorz will be coordinating the next meeting.

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

9. Meeting ended at 11:27.