CENWP-ODT-F 10 December 2020

# MEMORANDUM FOR THE RECORD

Subject: Final minutes for the 10 December 2020 FPOM meeting.

The meeting was held via teleconference. In attendance:

Last	First	Agency	Email	
Barnes	Chuck	NWW-LMN	Charles.A.Barnes@usace.army.mil	
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	
Cousins	Katherine	NWS	Katherine.L.Cousins@usace.army.mil	
DeHart	Michelle	FPC	mdehart@fpc.org	
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	
Hockersmith	Eric	NWW	Eric.E.Hockersmith@usace.army.mil	
Krasnow	Lynne	NOAA	lynne.krasnow@noaa.gov	
Lampman	Ralph	Yakama	lamr@yakamafish-nsn.gov	
Lorz	Tom	CRITFC	lort@critfc.org	
Mackey	Tammy	NWP	Tammy.m.mackey@usace.army.mil	
Brower	Alan	PSMFC	ABrower@psmfc.org	
Martinson	Rick	PSMFC	Rickdm@gorge.net	
McDowell	Michelle	USFWS	michelle_mcdowell@fwa.gov	
McClain	Nathan	NWP	Nathan.A.McClain@usace.army.mil	
MacDonald	Jacob	NWP	Jacob.Macdonald@usace.army.mil	
McGrath	Claire	NOAA	Claire.McGrath@noaa.gov	
Morrill	Charlie	WDFW	Charles.Morrill@dfw.wa.gov	
Peery	Chris	NWW	Christopher.A.Peery@usace.army.mil	
Peterson	Christine	BPA	chpetersen@bpa.gov	
Porter	Laurie	CRITFC	porl@critfic.org	
Scott	Shane	NWPA	shane@sscottandassociates.com	
Silver	Greg	CRITFC	gsilver@critfc.org	
Skiles	Tom	CRITFC	skit@critfc.org	
Studebaker	Cindy	NWD	cynthia.a.studebaker@usace.army.mil	
St. John	Scott	NWW – LGS	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	
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. Final Decision or recommendations made at this meeting (Mackey) –

- **1.1.** November meeting minutes were approved.
- **1.2.** The Task Group Condition Monitoring was re-established Lorz (CRITFC) and Sullivan (BPA) will chair.

# 2. The following documents are provided or discussed at this meeting. All documents can be found at: http://pweb.crohms.org/tmt/documents/FPOM/2010/

- **2.1.** Agenda, Fish Passage O&M coordination team
- 2.2. 2018 & 2020 BON Spillway ROV Rock Inspection Report
- **2.3.** TDA Non Routine list FPOM
- 2.4. JDA Non Routine list FPOM
- **2.5.** The Dalles Lamprey Passage Memo
- **2.6.** BPA FPOM December February outages
- 2.7. FPOMOUTAGESCHEDULE 2020
- **2.8.** NWW Composite Colling Water Strainers Lamprey Counts
- **2.9.** 201208 CRITFC Final Draft Proposal Lamprey Monitoring\_for FPC meeting

#### 3. Action Items

3.1. NWW

#### 3.2. NWP

**3.2.1.**[August 20] TDA Turbine Dewater Sturgeon SOP - ACTION: Van Dyke and Morrill will discuss the proposed protocol with their respective sturgeon experts. Status: Van Dyke has reached out but there is a change in staffing in the sturgeon section. Pending. Status: Morrill has reached out to his coworkers but hasn't heard back. WDFW is currently short staffed. Van Dyke has reached out but there is a change in staffing in the sturgeon section. Status: Morrill did submit a change form related to sturgeon in November that will be discussed later today but no change on this action item **Pending**.

Minutes: Cordie – the original request was to see if we could leave oversized sturgeon in the turbine environment. Anything under 6' we can remove, concerned about injuring larger fish. Van Dyke – these large fish are important to the population. So there is more discussion here about getting them back to the river. Bellerud – Important to keep them in some flow to provide oxygen, craning them out by the tail is almost certain to result in a broken spine. Lorz – suggested doing a slow roll (start up) to allow sturgeon to exit the draft tube. Hausmann –same situation at Bonneville. The process to get large fish out is difficult, we lack tanks of this size, fish have been dropped. Van Dyke – there has been discussion with our sturgeon experts that needs to be continued. Mackey – We will have a more detailed discussion next month and will send out SOP's from the Project Bio's for removal and/or leave in place.

- **3.2.2.[November 20] TDA East Exit boundary**. Cordie want to move the BRZ away from the new AWS intake. 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. **Pending. Minutes:** Cordie- we are trying to change the BRZ line which would move fisherman further from the fishway exit. Morrill From WA perspective, with additional details on where the shoreline marking should be, I can work toward that. Safety should take priority.
- **3.2.3.** [November 20] 20JDA20 MOC SMF Condition Monitoring ACTION: A task group will be formed and Lorz (CRITFC) and Sullivan (BPA) will chair. Link to CRITFC's comments and concern about missing juvenile lamprey:

  <a href="http://pweb.crohms.org/tmt/documents/FPOM/2010/Task%20Groups/Task%20Group%20Condition%20Monitoring/">http://pweb.crohms.org/tmt/documents/FPOM/2010/Task%20Groups/Task%20Group%20Condition%20Monitoring/</a>
- **3.2.4.Minutes: General conversation by** Van Dyke, Ebel, Bellerud, Hockersmith, Lorz, Macke, Conder, and Porter about the Task Groups scope SMP vs. condition monitoring Porter wanted to make sure lamprey are centered in that meeting. *Status: Lorz will set up call for those interested next Tuesday at 1300.*
- **3.2.5.**[December 20]18JDA02 MOC Trash rack replacement. ACTION: Fielding will determine if this is a new design or replacement in-kind.
- **3.2.6.**[December 20] BON ITS gate. ACTION: Hausman will coordinate PDT call into FPOM.
- **3.2.7.**[December 20] BON JMF wetland sinkholes and proposed repair. ACTION: Hausmann will send photos to Nathan to distribute.
- **3.2.8.**[December 20] BON WA SH serpentine PIT antennas. ACTION: Warf will coordinate PIT antenna install and additional dewatering with Hausmann.
- 3.2.9. [December 20] TDA Sluiceway cover. ACTION: Cordie will send photos of sluiceway cover.
- 3.3. Completed Action Items or to be discussed later in the agenda
- **3.3.1.** [November 20] Pinniped update Bonn ACTION: Gibbons will follow up with Tidwell for Morrill on the construction of traps and specifically if there is a request for PSMFC support. Tidwell emailed Morrill, "PSMFC is helping to fund a larger barge for the SSL removal effort."

## 4. Updates

- 4.1. NWW
  - **4.1.1.** Upcoming maintenance/construction/research activities.
    - **4.1.1.1.** 20LGS16 MOC Powerhouse Roof Repair

Perry – work might have to be deferring one year due to contracting difficulties. If it is only a change in year, we will keep it in this MOC. If there are other changes I will re-coordinate.

**4.1.2.**NWW winter maintenance and dewatering activities

Peery - Winter maintenance schedule is posted to the FPOM website.

#### 4.2. NWP

- **4.2.1.**Upcoming maintenance/construction/research activities.
  - **4.2.1.1.** 20JDA20 MOC SMF Condition Monitoring withdrawn to task group (Lorz & Sullivan)
  - **4.2.1.2.** 20BON102 MOC Spillway B-branch Attraction water outage for ROV inspection. Hausmann it went fine. Todd Many & crew got in there, brutally windy day but they did get some determination of rock size. *Status: McClain emailed ROV report to FPOM*.
  - **4.2.1.3.** 15TDA08 MOC Transformer Installation. Cordie on going, they are on track. Moved transformers in place last week. Should be on schedule.
  - **4.2.1.4.** 19TDA04 MOC Crane rail Replacement this is actually a next winter job (20/21).

- **4.2.1.5.** 20TDA10 MOC PUD Smolt Bypass Extended Outage
- **4.2.1.6.** 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.
- **4.2.1.7.** 20JDA04 MOC STS crane replacement. Fielding on track form mid 2021
- **4.2.1.8.** 20JDA14 MOC Line 1 outage BPA transmission work. Fielding on track
- **4.2.2.**BON ITS gate Hausmann 30% design done by January. Looking to dewater in the spring to inspect the current gate and slot. They are talking about installing during next in water work. Conder why can't they do that during the in water work window. That's a primary fish passage route. Hausmann– Not certain, I can check back on that. Conder I think we should have a task group, maybe in January, to look at the 30% design and provide comments. Also involves PIT detection associated with this. Hausmann– I'll pass that on to them, that we have interested in getting FPOM folks to a PDT meeting. 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.
- **4.2.3.**BON Rock Removal Hausmann still scheduled for February.
- **4.2.4**.BON JMF wetland sinkholes and proposed repair. Hausmann These were repaired. Cut out failed drainpipe it refilled with water. This one is done. ACTION: Hausmann will send photos to Nathan to distribute.
- **4.2.5.**BON Cascade Island PIT. Hausmann submitted as a UFR, waiting to hear timeframe for Corps funding. Ladder is dry will have project support to get antennas in place.
- **4.2.6.**BON WA SH serpentine PIT antennas. Hausmann dewatered, will have crane support to install antennas. Don Warf (PSMFC) how dry is the serpentine area, is it ready to drop antennas into? Hausmann we'll need to use sandbags and pumps to get it dry enough for you. Just let us know when you are coming out and we'll start ahead of time. ACTION: Warf will coordinate PIT antenna install and additional dewatering with Hausmann.
- **4.2.7.** BON Aqui-S update (Lorz request). Hausmann, there is still work to determine where we can put it. Is it a permitting issue or a concentration low enough to go to our waste water treatment. Long term fix is still being worked. Lorz if you need us to write letters of support or help with a long term fix. General use permit, settling tank. EPA's approach is it is permitted to the user not the facility so we'll need CRITFC's help. Studebaker just to be clear the long-term solution will be for Corps missions and purposes. The PDT is glad to have input, but we are not working toward a CRITFC only solution.
- **4.2.8.**TDA AWS trash rack. Cordie no new update, I understand there has been some personnel changes so I will have an update for next FPOM. Lorz Could you check in, what's done with the AWS will affect the fish unit's rehab. We need the AWS to do the other work and may not have one for maybe a year. Cordie yes, we've been telling them but will reinforce the. Lorz maybe we can tell them at the next FFDRG, please remind me if I forget. ACTION: Cordie will provide update to Lorz. Status: Scope, schedule, budget is being revised. Current schedule, for Ian Chan, ". . . we are launching an EDR this year (FY21), DDR next year and launching P&S (FY22), complete P&S in FY23 and contract for fix in either FY23/FY24. "
- **4.2.9.**TDA Sluiceway cover. Cordie will start work when sluiceway is out of service, targeting January 1<sup>st</sup> and should be complete prior to sluiceway start up. Lorz please send photos, this is my favorite project. ACTION: Cordie will send photos of sluiceway cover.
- **4.2.10.** TDA East Exit boundary. See prior conversation about changing BRZ for safety NWP Updates.

- **4.2.11.** TDA trunnion pin. Cordie No update.
- **4.2.12.** JDA north pumps. Fielding just one pump #4 is out. Plan to repair this winter.
- **4.2.13.** JDA spill bay 10. Still able to operate manually, working toward remote operation. Mackey any questions for JDA? No one responded.
- **4.2.14.** NWP winter maintenance and dewater
  - **4.2.14.1.**JDA. Fielding SMF & N ladder dewatered, maintenance going on in N ladder. S ladder out mid-January. Morrill, with COVID-19 restrictions is there any opportunity for visitors for come out an inspect dewatered ladders? Fielding yes, just need to follow COVID-19 safety protocols. Masks properly worn, one person per car, but we can accommodate a visit.
  - **4.2.14.2.**TDA. Cordie Currently E fishway dewatered to tailwater, not going below tailwater this year. We had about a dozen salmon & Steelhead, and 100's of shad. WDFW did tag two sturgeon. N. ladder in full service to be dewatered January 26<sup>th</sup>. Van Dyke were the shad juveniles also? Cordie no all adults.
  - **4.2.14.3.**BON. Hausmann Cascade Island completely dry below tailwater, has not been dewatered in a long time due to subsidence preventing access. WA shore dewatered, working toward collection channel. CI pretty low fish number WA shore fairly low salmonid numbers. ODFW was onsite to tag sturgeon but we have not rescued any at this point. Van Dyke thanks Ben appreciate that.
- **4.3. NWS** (**Seattle**) No one from Seattle district on the phone.

### 4.4. Research/FFDRWG updates.

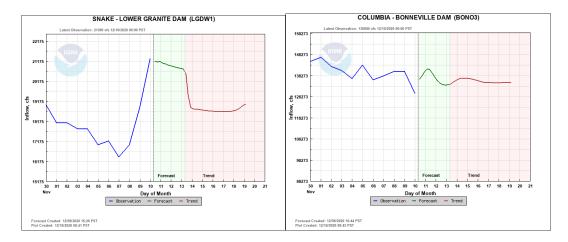
http://pweb.crohms.org/tmt/documents/FPOM/2010/FFDRWG/FFDRWG.html

- **4.4.1.NWP FFDRWG.** McDonald & Royer double booked today and could not call in. Mackey Portland FFDRWG the first week of January.
- **4.4.2.NWW FFDRWG.** Peery next meeting 27<sup>th</sup> of January for Walla Walla, then the next is the 28<sup>th</sup> April. Karl could not call in today.

#### 4.5. RCC update

Project		5 Day (12/14) Forecasted Inflow (kcfs)	10 Day (12/19) Forecasted Inflow (kcfs)	Forecasted Inflow Low/High (kcfs) and Date.
LWG	20	19	19	19 (12/17) / 21 (12/10)
MCN	117	129	124	124 (12/19) / 134 (12/10)
BON	131	137	135	134 (12/12) / 141 (12/11)

Table 1. River Control Center flow forecast.



- **4.6. Chum operation.** Baus continuing spawning ops (series of steps that manage project outflow), coordinating with TMT, switch from spawning operation to incubation operation (sets minimum tailwater for Bonn). Morrill abundance is lower than expected. Update out next week. It does appear we are on the downhill side. Bettin they have already measure redd elevation once.
- **4.7. BPA update.** 10:30 so we switched to Avian updates, at 1 hour 43 minutes recording return here. Mackey BPA updates, Scott or Leah? Scott Bettin nothing major at this time. Still need to figure out when the next line outage is.
- **4.8. Fish Count Program update (Peery, Wertheimer).** Peery it is December so counts are done by video so a little delay before they get posted to FPC. Tom L was concerned about newly added bottom light effecting lamprey. Those lights have been turned off, we are working with the contractor to adjust lighting to improve image quality in support of AI ID cameras for still images of fish. We will present plan for changes to count station lighting before next spring. Any questions? [No questions]

#### 4.9. Pinniped update

- **4.9.1.BON.** Tidwell high number of SSL, 37 animals on Monday. Due to staff attrition and concerns over COVID-19 we will continue to count abundance daily, but will stop predation monitoring. We have been given a concession by NOAA to stop predation monitoring. We have monitored every day, Mon Fri from June to November. The 2020 report is in the works and should be ready for regional review in January. Lorz are you still doing dam based hazing on sealions? Tidwell MIPR ended 31 October, they were hazing all spring, summer, and fall.
- **4.9.2. Willamette Falls.** *Updated at the end of the call* Eric Van Dyke Four Stellar sealions were observed relatively close to Multnomah Channel. COVID-19 has limited trapping operations, but animals are not interested in the trap yet. No California sealions have been observed.
- **4.10. Lamprey update** McClain LPSs at Bonn were taken Out Of Service 31 October, LPS use estimate is in the works pending completion of video validation. Daytime and night time counts are posted to the FPC website so that info is currently available.

#### **4.11.** Avian updates (10:30)

- **4.11.1. NWW.** Peery –done monitoring for the season, but seeing higher number of gulls and DCCOs.
- **4.11.2. JDA** Fielding Quite a bit of gulls FB & tailrace. Lots DCCO on the towers and on the north shore, AWEPS only a few on the ds island and we see them at the mouth of the Deschutes, I think they are just going to overwinter here. We'll keep you updated.

- **4.11.3. TDA.** Cordie We also have a large numbers of gull, 1,800 on rocks below the bridge. No shortage of DCCO's either. Typical winter migration surge this time of the year but a little higher than normal.
- **4.11.4. BON.** Hausmann Large number of DCCO, typical for this time of year primarily above the corner collector and on rip rap below PH2. Mackey We have funded PME- (Griff's shop) to proceed with NEPA coverage for lethal take at the projects (10:44 later in the meeting)
- 4.11.5. Estuary Tidwell – finished work back in August. PIT recovery 2x for Caspian terns, complete another round of work last month. At this point we are done with field work for 2020. PIT data transferred to contractors. Count of birds is compiled and ready to go, working on report. Next year on East Sand Island DCCO O&M responsibilities is transferred to FFU. Lorz – Who's in charge of funding the collecting PIT tags and determining take? Jake – Moving forward that will go through SRWG and we will prioritize it with other discretionary work. Krasnow (NOAA) – couple of questions for Kyle. You said you're holding report until you figure out to use the data, wonder what you meant by that? Did you collect PIT tags from the bridge footing [Astoria – Migler bridge]? Tidwell - not holding report hostage, just collected that data for a contractor need to talk to Jake. Not my data for the basic O&M report, just need to work with PME. Reports are forthcoming Rice, Miller, Pillar, estuary report is with Channels & Harbors for review, East Sand Island report is also out for internal review. We did not collect bridge PIT tags. Jake – I believe BPA & RTR contractor tried to collect PIT tags from the bridge. Greg Smith – we don't have final counts but data has been uploaded to PITagis and raw data to NMFS. Krasnow – Is there a timeline for the report, what type of report it is? Greg Smith – I will have to get back to you on that, mostly hand collection of PIT data to help with the NOAA survival estimate. Morrill – WDFW has complete draft report on AWEP status, being reviewed internally, I will keep FPOM update when it comes out.
- **4.12. Early Juvenile by-pass start up** request for an update on Corps' preparations to implement early start-up (Ebel IDFG). Mackey for NWP we'll be operating as previous Bonneville starts March 1<sup>st</sup> and John Day will start March 1<sup>st</sup> with the 4 priority units and adding remaining screens later. Fielding I have to add that start date is weather dependent at John Day.

Hockersmith – Walla Walla is going to repeat our operations from 2020. Early start at Granite & McNary screening priority units by March 1<sup>st</sup>. McN Screens in Unity 1 & 10 in support of PNNL overshoot study, screens in by February.

Eble (IDFG) – in support of early start up, March 1st at Granite and McNary. Looking at PIT detections, looks like there is potential for over wintered, reservoir Chinook to hold above Lower Monumental. Is there a chance for early start up at LoMo, like the middle of March to see if those fish are starting to move and sort of help those fish downstream? Hockersmith – there is more conversation to have there. We are meeting BiOp requirements however early start was a court mandate, there is nothing in the BiOp requiring the Corps to continue, we are doing it in a collaborative framework.. It needs to be balanced by the need to complete O&M for the fish passage season to prevent a catastrophic failure during bulk of the run, as well as how to pay for sampling when budgets are being reduced. Morrill – LoMo could be operated at full flow, but it would require additional staff right? Hockersmith – correct ,once we put screens down it requires additional staff to monitor for debris and make sure we are not injuring fish. Easier for the Corps to accommodate early start request if we shut down bypass systems prior to 15 December so we don't lose an entire month of maintenance time.

**4.13. Invasive species discussion (Peery).** Awaiting response on shad disposal during sampling activity (Morrill, Van Dyke) CP – no update, Morrill – no update, Van Dyke –

unfortunately the same road blocks are out there. I notice the wording is now about disposal, there was other content in that letter, it may be simply a word choice. Peery – I think the as was, as people are working up samples can they dispose of invasive species. Morrill – WA does not oppose it. It would be up to the Corps on how to do that. The hurdles are not biological but coordination & collaboration to make that happen. Van Dyke – Chris I'll give you a call, process and interpretation are pieces at the policy level to work. Morill – will call Peery as well.

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

- **5.1. 20IHR08 MOC Floating Guidewall Cable Replacement**. Peery work will occur during February to avoid overshoot. Conder the MOC on the website needs to be updated. Peery I'll send and update to Nathan for posting to the Web. Lorz concerned about getting the work done in time. Peery Current deadline is the 2<sup>nd</sup> of March which would accommodate March spill plans. Peery will send updated MOC to Nathan for FPOM distribution and posting to the website.
- **5.2. 20MCN17 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. More to come.
- **5.3. 20BON102 MOC Spillway B-branch Attraction water outage for ROV inspection.** Completed, no comments.
- **5.4. 20BON103 MFR WA Shore Steelhead mort -** No comments.
- **5.5. 20TDA13 MFR EFL PL morts** Lorz asked for more detail. Cordie Lower end of the ladder, right before tailwater you have grating that get exposed. Lamprey seem to be hiding under the diffuser grating and then come out at night and three died on the grating. We have had loss here before but don't have a good fix. Potential fixes reduce size from 1" to 3/4" however would need to rebuild fish unit intakes to 3/4". If we flush with more water we risk attracting fish back into the ladder.
- **5.6. 20TDA14 MFR Fish Unit 2 oil spill**. Cordie small hole allowed oil into the cooling water. Initial estimates were a max of 200 gallons. However, they recovered most of the oil from inside the powerhouse with only 45 gallons unaccounted for. Oil sheen in the PH tailrace. Spill response – placed buckhead to prevent oil entering fishway, however a sheen was seen up to Unit 2. Absorbent pads were In the process of removing oil recovery equipment now. We have lost 7 hours of sluiceway operation each day for the last three days. I'd like to add that time to the end of the sluiceway season (December 15th) continue to operate until time is made up. Bettin – what is the biologic benefit? Cordie – would allow 15 mile creek overshoots about another day to come down from the forebay. Eble – could you describe some of the details of the MOC for folks that are not familiar with these systems, annunciation system, thrust bearing are these two different events? Cordie – The oil sheen was seen prior to the oil monitoring system annunciating the loss. The thrust bearing has oil that heats up and river water is used to cool that oil. Conder – was this Environmentally Acceptable Lubricant? Cordie – no, this was standard oil. Conder – will it be switched over and the new oil accountability program EAL. Concerned about potential for future impacts. salmonids use ole factory cues for migration so, there is potential to impact migration. Morrill – how much to those reservoirs hold? Cordie – around 150 gallons? Morrill -how much oil must be lost for the monitoring system to report? Cordie – I'm not sure, I'll get back to you. Hausmann – just to return to Conder's question, River Keeper's lawsuit was specific to greases like for wire ropes that are constantly under water. However we continue to look for places where EAL's could be used. Lorz – do there a standing Preventative

Maintenance checks for the alarm system? Do we need to do more checking? What can we do to ensure we catch these leaks in the future. I am concerned it will be years before the new system is in place. Cordie – yes they are checked glass window, however they have to take the unit apart to perform the check. Hausmann – I believe ours [Bonneville's] oil accountability is a daily process, I can send you that info if you want. Lorz – please post it to the website so when I get questions I can point people to it.

# 5.7. 20JDA21 MOC COVID-19 Daytime condition sampling proposal

Fielding – Due to strict COVID-19 staff restrictions we can only have one person in the JD SMF office. Since these restrictions are likely to continue, we are proposing daily sampling, to minimize interaction with each other and Pacific States. Lorz – what flexibility have to operate? Fielding – that's a good question since they can maintain spacial separation by staying in the lab and Corps crew can stay in the office. Morrill – SMP is overseen by FPAC so schedule changes need to be coordinated. Conder – do you have examples or the frequency of how often the condition sample finds a problem in the passage system. Fielding – we've worked with USGS statistician to determine how many fish we need to sample to have a 95% chance of detecting a problem like descaling. Porter – is there any flexibility around the suggested sample times to increase the potential collection of juvenile lamprey? Fielding – yes we can talk about that. Don't want to set up the expectation that we will be operating at 0300 until we hit the warm water trigger and reduce sampling then.

**6. Fish Passage Plan:** 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/

# 6.1. Pending Change Forms:

**6.1.1.** 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.

#### **6.2.** New Change Forms:

**6.2.1.** None

#### 6.3. 2021 FPP Production Schedule and Deadlines.

- By no later than Friday, Dec 18, 2020 submit draft FPP Change Forms and submissions for Appendix A "Special Ops & Studies" to Lisa Wright and relevant District POC (Nathan McClain or Chris Perry).
- By no later than Thursday, Dec 31, 2020 all draft project chapters, appendices, and change forms will be posted on the Draft 2021 FPP website to allow at least four weeks for review, online @ <a href="http://pweb.crohms.org/tmt/documents/fpp/2021/changes/">http://pweb.crohms.org/tmt/documents/fpp/2021/changes/</a>.
- Thursday, Jan 28, 2020 annual FPOM meeting to finalize FPP Change Forms.
- Friday, Feb 12, 2021 FINAL DROP DEAD DUE DATE for all <u>approved</u> 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 @ <a href="http://pweb.crohms.org/tmt/documents/fpp/2021">http://pweb.crohms.org/tmt/documents/fpp/2021</a>
- Monday, March 1, 2021 start date of 2021 FPP

Conder – due to the new BiOp, seems like there will be several changes to the FPP (11:45) say upper 1% turbine operation has changed, MOP operation dates. L. Wright – MOP is a FOP issue so that is addressed there. Upper 1% is addressed in Appendix C. maybe Scott Bettin (BPA). can comment on that. Bettin. – we are working on it but it is taking longer than expected. Wright – if

you have specific concerns please email me, we also have the flexibility to make changes to the FPP in season.

Bettin – are they going to print the FPP out this year? Wright – we did print hard copies last year but they were not distributed due to COVID-19. Next year's budget has been reduced so likely to print less copies. Some have to go to critical staff, like operator's and duty schedulers that implement the operations. The online version will be available for download and updated inseason Cordie – we might not need printed copies at The Dalles. Folks can print what they want. Wright – I'll send out a survey to all the projects to see what format they want the FPP in.

## 7. Task Group Updates.

**7.1.** Avian Task Group meeting

7.2.