

MEMORANDUM FOR THE RECORD

Subject: Final minutes for the 12 June 2014 FPOM meeting.

The meeting was held in the Celilo Room at CRITFC. In attendance:

Last	First	Agency	Office/Mobile	Email
Benner	Dave	FPC		dbenner@fpc.org
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Brown	George	BPA	503-230-5190	
Conder	Trevor	NOAA		Trevor.conder@noaa.gov
Cordie	Bob	NWP-TDA		Robert.p.cordie@usace.army.mil
Dalen	John	NWP-FFU		
Fredricks	Gary	NOAA	503-231-6855	Gary.fredricks@noaa.gov
Hausmann	Ben	NWP-BON	541-374-4598	Ben.j.hausmann@usace.army.mil
Hevlin	Bill	NOAA	503-230-5415	Bill.hevlin@noaa.gov
Iverson	Tom	Yakama Nation		t.k.iverson@comcast.net
Jones	Tucker	ODFW		
Kiefer	Russ	IDFG	208-334-3791	Russ.kiefer@idfg.idaho.gov
Klatte	Bern	USACE-NWP	503-808-4318	Bernard.a.klatte@usace.army.mil
Kostow	Kathryn	ODFW		Kathryn.E.Kostow@state.or.us
Lorz	Tom	CRITFC		lor@critfc.org
Lut	Agnes	BPA		axlut@bpa.gov
Mackey	Tammy	NWP	503-961-5733	Tammy.m.mackey@usace.army.mil
Mensik	Rosanna	SMP		
Moody	Greg	NWW		Gregory.p.moody@usace.army.mil
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Pinney	Chris	NWW		
Plummer	Mark	NWW-IHR		
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Rerecich	Jon	NWP	503-808-4779	Jonathan.g.rerecich@usace.army.mil
Sears	Sheri	Colville Tribes		sheri.sears@colvilletribes.org
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Takata	Howard	ODFW		
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Whiteaker	John	CRITFC		
Wills	David	USFWS		David_wills@fws.gov
Wright	Lisa	NWD-RCC		Lisa.s.wright@usace.army.mil
Zorich	Nathan	NWP-FFU		
Zyndol	Miro	NWP-JDA		Miroslaw.a.zyndol@usace.army.mil

Conder, Iverson, Kiefer, Mensik, Moody, Plummer, Sears, Wills, called in.

June birthdays include: Ballinger, Langeslay, Setter, Ebberts and Fredricks.

HAPPY BIRTHDAY!

1. Decisions made at this meeting.

- 1.1. May FPOM meeting minute were approved.
- 1.2. 14LWG007. Not approved.
- 1.3. BON U13 moved up in priority. **FPOM is still ok with moving U13 up in priority.**
- 1.4. BON BI Serpentine weirs. *UI request sent with agenda.* Zorich provided some background about the serpentine weirs being difficult for lamprey to pass. This proposal would get video at BI with the goal of figuring out why lamprey are having difficulty in this area. Fredricks said the mounting structure has been modified to his satisfaction. BON Project Fisheries will monitor the area. **FPOM is good with UI installing cameras.**
- 1.5. TDA-E oil boom. **FPOM concurred with the oil boom installation.**
- 1.6. Avian Task Group Chairwoman Setter scheduled the next task group meeting for 10 July, following FPOM.
- 1.7. BON Ops Task Group Chairman Lorz will arrange for a meeting the week of 23 June. The group agreed to 25 June at either 0930 or 1100.

2. The following documents were provided or discussed. Documents may be found at

<http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/>

- 2.1. *Agenda, Fish Passage O&M Coordination Team.*
- 2.2. *Cooling Water Strainers Lamprey Counts.xls.*
- 2.3. *Coordination/Notification Forms (NWW/NWP)*
- 2.4. *FPP change forms. (NWW/NWP)*

3. Action Items

3.1. NWW Action Items.

- 3.1.1. [May 14] MCN mechanical screen sweep. **ACTION:** Dugger will provide an update later in the summer after ETS has completed scoping alternatives.
- 3.1.2. [May 14] LWG use of JDA screens. **ACTION:** Setter will find out more details about differences between the two screens and report back to FPOM. **STATUS:** *Fredricks said he thought there was discussion about using just the JDA screens in the C slots and using the LWG screens as spares if needed for other slots. Setter said she had taken different guidance from the May FPOM meeting. The idea of moving screens around to keep JDA screens from being used in A slots would result in longer unit outages and more moving of screens around. Hevlin said it seems reasonable to put the JDA screens in A slot. Fredricks clarified he thought there was a set of spare screens. Setter asked about summer sampling. Fredricks felt there has been enough sampling to show the screens are working safely and are very similar to LWG screens. Hevlin and Lorz agreed that gatewell sampling may be more detrimental than using the screens. Lorz added that there are some concerns about using them in A slot. He noted that if the JDA screens are used only in B and C slots then there would be no need to test for A slot. Setter asked if using the A slot for a temporary spare would be acceptable. Lorz said we need to know how often the screens are moved around and FPOM could evaluate that situation when it arises. NOAA felt a hydraulic evaluation would be better than the biological evaluation.*
- 3.1.3. [May 14] LGS spill – going from manual to GDACS control. **ACTION:** Wright will provide an update to FPOM after the work is complete. **STATUS:** *LGS is now on full GDACS control. TDA and LWG are the only two projects not on full GDACS control and there are no plans to upgrade them in the near future.*
- 3.1.4. [May 14] 14LWG007. Kiefer recommended those who support the change form put together a memo that has data supporting the proposed operation for the team to review. **ACTION:** Setter will further develop a draft white paper to meet Kiefer's request. **STATUS:** *Setter sent more information 14 May. Kiefer said he looked at the data. He said his position hasn't changed. He has concerns about going to a*

Unit 1 operation based on fish numbers. He said juvenile protection measures cannot be implemented if Unit 1 is operating and flows are flow. Therefore, IDFG doesn't support the change form as written. They do not want to see automatic implementation of actions listed in the change form. They would rather address the situation as it arises. He noted that IDFG would support the order of actions, just not automatic implementation. Lorz asked for temperature information to be matched up to the actions. He also noted that this should only be a one year operation based on improvements in the works. Lorz agreed with Kiefer about not automatically implementing the order of actions and putting it in the FPP, especially since it should be a one year issue. Setter expressed to everyone it is her understanding that Ritchie Graves (NOAA) has stated that NOAA will prioritize adults over juveniles should this issue arise. Van dyke expressed his concern about that statement. Fredricks said it is important to note that NOAA doesn't like making those decisions and do their best to balance. Setter further explained that there are not many juveniles passing at that time of year, compared to adults. Hevlin stated his appreciation for everyone's work on the change form. He felt it furthered the discussion. Lorz asked about the schedule for Unit 1 to return to Kaplan. Setter said September 2015 is when it would go out. Lorz noted the change form wouldn't be good after September 2015 anyway. Bettin asked about re-writing the change form to document the list of action. It was noted that the draft form is online and would remain there.

- 3.1.5. [Jun 14] IHR HAZMAT storage. **ACTION:** NWW will bring a plan of action for removal of the equipment and more information about the materials stored in the area.

3.2. NWP Action Items.

- 3.2.1. [May 14] Willamette Falls Locks gate operation. **ACTION:** ODFW will provide run timing information to Hausmann. Hausmann will come back to FPOM with a proposed exercising schedule. **STATUS:** Hausmann said they will send biologists to WFL when gates are exercised. Gates may not be left open. The gates are on auto so fish can get in and out on their own. He said there is the potential to provide flushing as well to help move fish out. He said he will leave it to FPOM to help guide the duration and timing for flushing. Fredricks said the logical outcome would be for Hausmann to develop a plan with options for FPOM to review and select from.
- 3.2.2. [Jun 14] WFL gate operation. **ACTION:** Hausmann will report back after they exercise the gates in early July.
- 3.2.3. [May 14] Oil spills. **ACTION:** Klatte will confirm the process and notification chain with Dykstra. **STATUS:** There is a process through the NWP environmental compliance coordinator. Lorz has been added to the distribution list.
- 3.2.4. [May 14] TDA split flows. **ACTION:** Rerecich will attempt to piggyback TDA on the IHR trip. **STATUS:** a doodle poll was sent. 25-29 August was chosen. Fredricks noted that Cordie may be the only one going so the rest of us will be watching video. There has been difficulty getting travel funds to other agencies. Fredricks recommends a conference call on 16 June to discuss the trip further.
- 3.2.5. [Jun 14] BI fishway dewatering. **ACTION:** Hausmann will draft a MOC for FPOM review.
- 3.2.6. [Jun 14] TDA-N video counting upgrades. **ACTION:** Dalen will develop a detailed information packet about what changes would be made, what cost savings might be found, and what impacts on fish passage might be.
- 3.2.7. [Jun 14] TDA-E buffer for fishermen. **ACTION:** Kostow said there is an effort between ODFW and WDFW to get consistent rules. She will check on that process and report back to FPOM.

- 3.2.8. [Jun 14] ODFW use of the AFF. **ACTION:** ODFW will schedule a doodle poll for next week to meet with AFF researchers, University of Idaho and CRITFC, and project biologists to develop a detailed proposal for AFF operations during ODFW sampling. This proposal will be provided to FPOM for review and comment.

4. Updates

4.1. NWW Updates

- 4.1.1. LWG – Emergency generator and water pumps – adult fish ladder and trap. Moody reported that these pumps would be installed at the Diffuser 14 invert along the face of the dam. They would pump cooler water right to the diffuser entrance. The Project is still looking at pumps and requirements. Plans and Specs will be sent to vendors mid-June with a contract in place by mid-July. Setter said this is taking time but NWW will have pumps on-site and ready to use this summer. Lorz expressed his appreciation for moving forward on this issue.
- 4.1.2. IHR hazardous materials storage. Conder reported he had an IHR inspection on 10 June. He has heard concerns from Project staff and Fish Passage Center. He described where the current storage area is located. It is at the bend in the ladder, coming up from the parking lot. This area is adjacent to the fishway and elevated above it. In addition to 55 gallon drums, there are power tools and heavy equipment located in this area. Conder suggested the conservative approach would be to not have it located next to the fishway. He said Plummer and K. Fone, as well as Benner and himself support moving the material away from the fishway. Conder said he has heard there is a document that officially designates the area as a HAZMAT storage site. Setter said the Project is in the process of moving the heavy equipment and power tools from the area. She said NWW sent out folks, including ECC, to look at the site. Plummer said he had heard the recommendation was to move the material from under/adjacent to the ladder. Moody said DOE came out and found no issue with the storage. The materials are stored correctly. Conder said there are two issues; one is the storage of the material, the other is the location of the material. This issue will be carried over to another meeting. NWW will come back with more information about the timeline for the removal of the power tools and heavy equipment, more details about how the materials are stored, and a plan for action.

4.2. NWP Updates

- 4.2.1. BON Unit 11 update. December 2014 remains the RTS date.
- 4.2.2. BON U13 Priority. **FPOM ok with moving up in priority but will revisit in June. FPOM is still ok with moving U13 up in priority.**
- 4.2.3. BON pinniped update. Van der Leeuw provided a handout and talked through the graphs. This handout will be posted to the FPOM website. He noted this handout has preliminary data right now. FPOM had questions about why the drop in sturgeon predation. Jones said ODFW does population estimates. He noted that a decrease in numbers at the dam isn't a good thing.
- 4.2.4. BON BI November dewatering. Hausmann asked FPOM about dewatering the BI fishway in November. This would allow the AE to get in to look at the FV3-7 valve. This would allow Plans and Specs to be developed for repair in 2015-16. He recommended overlapping the outage with the BI

bridge repair work. Popescu added that dewatering the ladder during the bridge work would save money in that contract. Lorz and Fredricks said they will take a look at a MOC but if PH1 operation is minimized, it could be doable. **ACTION: Hausmann will provide a detailed MOC.**

- 4.2.5. JDA Arc Flash requirements. Still pending.
- 4.2.6. JDA SMF Chinook mortars. Zyndol said the fish were all hatchery fish from Wanapum. There is no known cause for the mortalities.
- 4.2.7. TDA-N video counting updates. Dalen provided background information about the difficulties with video counting at TDA-N. Dalen suggested painting the count station a dark color. Another suggestion is to make the fishway floor a light color to better reflect the light and make the fish more visible. After the lightening of the floor, there needs to be more light added to the counting slot, not just at TDA but also at all of the dams. Light from inside the counting station isn't working so well. The infra-red lights reflect off and are absorbed by the window glass. Klatte asked what FPOM thinks about NWP putting together a packet. Fredricks said it sounds like NWP is moving away from visual counting and towards video counting. Due to that there is a need to upgrade lights, cameras, etc. Fredricks said FPOM needs to have a discussion about the value of the counts v. potential impacts to fish passage. Cordie said it would be good to replace the regular lights with infra-red lights. Fredricks said he did a quick search as to how salmon are impacted by infra-red lights. He didn't find much but he did find that infra-red has been shown to kill eggs. **ACTION: Dalen will develop a detailed information packet about what changes would be made, what cost savings might be found, and what impacts on fish passage might be.**

4.3. Research/FFDRWG updates. Approval letters, permits, etc located at www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Research/Research.html

4.3.1. FGE testing. Rerecich reported that high flow data through U15 was obtained this season, in addition to the data collected from U13 and U14. Bettin asked if all of the equipment is out of the unit. Rerecich said he believes so.

4.3.2. *CRITFC AFF PIT tag detector. (J. Fryer) Postponed until September.*

4.4. RCC update.

Project	Previous day average (kcfs)	5 day forecast average (kcfs)	10 day forecast average (kcfs)
LWG	95	83	64
MCN	280	265	247
BON	285	275	257

4.4.1. MCN TSWs closed on 9 June and removed on 11 June.

4.5. Lamprey updates. Zorich said the lamprey numbers have been good. Researchers and tribes are getting the fish they need. In general, things look good.

4.5.1. MCN Lamprey entrance vibration issues. This is still pending. No long term fix yet.

4.5.2. BON WA Shore LFS/LPS. UI would like to test attraction flows to find the best flow to attract lamprey. The butterfly valve only indicates percent open/closed, not actual flow. 40% open = ~23cfs through the LFS. Looking at 60% high treatment and 30% low treatment. Fredricks said he doesn't want to see a lot of bubbles entrained in the entrance area. Lorz asked if any testing has occurred. Zorich said there was testing in 10% increments. At 70% bubbles were seen. Fredricks said he would come out for the testing to

see the conditions. FPOM had many questions about the study. Mackey provided the written documents to FPOM for review. Rerecich said the UI report didn't find issues with RT salmon but he wasn't sure if that study overlapped with the LFS attraction flow testing.

4.5.3. BON BI Serpentine weirs. *UI request sent with agenda.* Zorich provided some background about the serpentine weirs being difficult for lamprey to pass. This proposal would get video at BI with the goal of figuring out why lamprey are having difficulty in this area. Fredricks said the mounting structure has been modified to his satisfaction. BON Project Fisheries will monitor the area. **FPOM is good with UI installing cameras.**

4.5.4. Lamprey counts. Zorich reported that daytime window counts are about 5000. Nighttime counts are not yet available. LPS numbers are not totaled but the systems are passing fish.

4.6. Avian.

4.6.1. Task Group met on 13 May. Updated Avian plans are due from the Projects. Updated plans are available at <http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/Task%20Groups/Task%20Group%20Avian%20Hazing/>

4.6.2. Approve May meeting minutes. *Draft minutes sent with the agenda.* Fredricks requested more time to review the minutes. He also noted that the weekly reports have good tables but the Projects are not counting and reporting counts in the same way. He said if there is anything that should be standardized, it should be the reported counts. Fredricks expressed surprise by the high numbers in the Snake and the low numbers in the Columbia. Setter said there would be some adjustment to the lethal take for 2015.

4.6.3. Fredricks requested Dugger report in July on his quest to find alternative hazing methods, e.g. sound.

4.7. Critical Infrastructure. *Presentation of the spreadsheet to occur in summer 2014.* Fone will no longer be in this position. NWW will take further updates from the projects and distribute this information later this summer.

4.8. BPA updates. Bettin said he has nothing new.

5. TDA-E ladder exit buffer and boom. Cordie explained the need for the oil boom. **FPOM concurred with the oil boom installation.**

5.1. Cordie explained the issues with the fish ladder exit buffer and fishermen encroaching in that area. Fredricks said TDA needs to talk with WDFW to find out why the boundaries are not similar to ODFW. Cindy LeFleur would be the person to talk to. **ACTION: Kostow said there is an effort between ODFW and WDFW to get consistent rules. She will check on that process and report back to FPOM.**

6. BON Ops update. Hausmann reported that the implementation went easy enough and there was an increase in descaling, but it wasn't entirely unexpected. Hausmann added that the Control Room feels bound to the mid-range, even if they wanted to go to the lower end. Fredricks said he would like to look at the language of the change form again. It does read as if there were more restrictions than what may have been intended, especially when it comes to operating just a couple of units at PH1. **BON Ops Task Group Chairman Lorz will arrange for a meeting the week of 23 June. The group agreed to 25 June at either 0930 or 1100.**

7. ODFW request to use the AFF. Jones explained the need for another year or two of getting control fish from the AFF to compare to experimental tangle nets. Rerecich explained that

any work in the lab cannot impact CRFM funded research. He said there needs to be a detailed proposal. Fredricks said it is assumed the request is for access to the trap at the same time as the current researchers. Rerecich asked if this work can wait until 2015. ODFW said no because it is a high profile issue on the Governor's agenda. **ACTION: ODFW will schedule a doodle poll for next week to meet with AFF researchers, University of Idaho and CRITFC, and project biologists to develop a detailed proposal for AFF operations during ODFW sampling. This proposal will be provided to FPOM for review and comment.** Fredricks would like to see a final report of the work that has been completed based on the use of the AFF "control" fish. Kostow said the US V Oregon representatives have a copy of the latest final report.

8. Coordination/Notification forms (need concurrence).

8.1. 14TDA04 EFL AWS excavation. Approved.

8.2. 14BON08 BI bridge overlay. Approved.

8.3. 14BON13 T11 and T12 outages. Approved.

8.4. 14MCN13 Camera installation. Approved.

8.5. LWG weir. Weir will be adjusted on 16 June.

9. Fish Passage Plan: The 2014 FPP website is at: <http://www.nwd-wc.usace.army.mil/tmt/documents/fpp/2014/index.html>.

9.1. Pending change forms - 2014:

9.1.1. 14LWG007 - Alternative Operations for Adult Passage. Not approved.

9.2. Pending change forms - 2015:

9.2.1. 15LGS001 – Unit 5 Restricted Operation (draft in development)

9.2.2. Request to look at a change form regarding sampling at greater than 72F.

Mensik doesn't understand the purpose of obtaining daily temperatures.

FPOM was not in favor of eliminated the monitoring of temperature, they recommend Mensik propose a way to monitoring temperatures. This change is for MCN only, not every sample facility. After much discussion, Lorz suggested taking this to FPAC. The details will be worked out and brought back to FPOM.

10. Task Group Updates.

10.1. TDA split flows. (Cordie) Team members include: Bettin, Cordie, Fredricks, Klatte, Lorz, Mackey, Rerecich, Stansell, Wills. Met on 15 May. Next meeting is immediately following the 12 June FPOM meeting. **Need to approve May meeting notes.**

10.2. Avian task group. (NWW). Team members include: Cordie, Dugger, Fone, Fredricks, Hausmann, Madson, Roberts, Setter, Skidmore, Trachtenberg, Zorich, and Zyndol. Meeting held on 13 May. **Need to approve May meeting minutes. Next meeting will be following July FPOM.**

10.3. AFF mods (Rerecich). Team members include: Benner, Fredricks, Lorz, Mackey, Meyer, Rerecich, Royer, Stephenson, Traylor, and Whiteaker. Appendix G will be modified to reflect the recommended raking level and the recommended water elevation.

10.4. Sea Lion task group. (Stansell). Team members include: Conder, Cordie, Fredricks, Hausmann, Mackey, J. Skidmore, Whiteaker, Van der Leeuw. This is no longer an active task group.

10.5. BON Ops. (Lorz) **Meeting scheduled for 25 June at 1030.**