

## MEMORANDUM FOR THE RECORD

Subject: Final minutes for the 11 September 2014 FPOM meeting.

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

<b>Last</b>	<b>First</b>	<b>Agency</b>	<b>Email</b>
Bailey	John	NWW	
Baus	Doug	RCC	
Benner	Dave	FPC	
Bettin	Scott	BPA	<a href="mailto:swbettin@bpa.gov">swbettin@bpa.gov</a>
Conder	Trevor	NOAA	<a href="mailto:Trevor.conder@noaa.gov">Trevor.conder@noaa.gov</a>
Cordie	Bob	NWP-TDA	<a href="mailto:Robert.p.cordie@usace.army.mil">Robert.p.cordie@usace.army.mil</a>
Dalen	John	NWP-FFU	
Fone	Ken	USACE-NWW	
Fredricks	Gary	NOAA	<a href="mailto:Gary.fredricks@noaa.gov">Gary.fredricks@noaa.gov</a>
Hevlin	Bill	NOAA	<a href="mailto:Bill.hevlin@noaa.gov">Bill.hevlin@noaa.gov</a>
Kiefer	Russ	IDFG	<a href="mailto:Russ.kiefer@idfg.idaho.gov">Russ.kiefer@idfg.idaho.gov</a>
Klatte	Bern	NWP	<a href="mailto:Bernard.a.klatte@usace.army.mil">Bernard.a.klatte@usace.army.mil</a>
Lorz	Tom	CRITFC	<a href="mailto:lor@critfc.org">lor@critfc.org</a>
Lut	Agnes	BPA	<a href="mailto:axlut@bpa.gov">axlut@bpa.gov</a>
Mackey	Tammy	NWP	<a href="mailto:Tammy.m.mackey@usace.army.mil">Tammy.m.mackey@usace.army.mil</a>
Martinson	Rick	PSMFC	
Moody	Greg	NWW	<a href="mailto:Gregory.p.moody@usace.army.mil">Gregory.p.moody@usace.army.mil</a>
Morrill	Charlie	WDFW	
Pinney	Chris	NWW	
Rerecich	Jon	NWP	<a href="mailto:Jonathan.g.rerecich@usace.army.mil">Jonathan.g.rerecich@usace.army.mil</a>
Royer	Ida	NWP-BON	
Scott	Shane	NWPPC	<a href="mailto:shane@rainiercorp.com">shane@rainiercorp.com</a>
Skiles	Tom	CRITFC	
Trumbo	Brad	NWW	
Van der Leeuw	Bjorn	NWP-FFU	<a href="mailto:Bjorn.van-der-leeuw@usace.army.mil">Bjorn.van-der-leeuw@usace.army.mil</a>
Van Dyke	Erick	ODFW	<a href="mailto:erick.s.vandyke@state.or.us">erick.s.vandyke@state.or.us</a>
Wills	David	USFWS	<a href="mailto:David_wills@fws.gov">David_wills@fws.gov</a>
Wright	Lisa	NWD-RCC	<a href="mailto:Lisa.s.wright@usace.army.mil">Lisa.s.wright@usace.army.mil</a>
Zorich	Nathan	NWP-FFU	<a href="mailto:Nathan.a.zorich@usace.army.mil">Nathan.a.zorich@usace.army.mil</a>
Zyndol	Miro	NWP-JDA	<a href="mailto:Miroslaw.a.zyndol@usace.army.mil">Miroslaw.a.zyndol@usace.army.mil</a>

Benner, Fone, Kiefer, Martinson, Morrill, Pinney, Scott and Trumbo called in.

**September birthdays include: J. Fryer, Rerecich, Stansell, Bissell, Martinson, G. Kovalchuk  
HAPPY BIRTHDAY!**

### 1. Decisions made at this meeting.

1.1. August FPOM meeting minutes approval will be delayed until October.

1.2. LWG temperature improvements. FPOM was generally agreeable with the idea of taking a three day outage but they need to see the plan in writing. This will be added to the October agenda. Kiefer expressed concern about delaying the adults due to the needs of the hatcheries for broodstock. He said IDFG is generally supportive but contingent upon closing the fishery below the dam while the ladder is out of service.

- 1.3. Project Weekly Reports. Fredricks noted there are some areas of the reports that could use some improvement. He would like to see a schedule included for items currently being worked on. Lorz agreed. This applies not only to BON but to all the dams.
- 1.4. AFF picket lead operation. FPOM agreed to return to normal App G AFF operations once Washington Shore fish numbers decrease to 20K fish. They also recommend keeping four units operating at PH1 to help keep fish numbers in Washington Shore below 20K.
- 1.5. **Coordination/Notification forms (need concurrence).**
  - 1.5.1. 14JDA13 hilton valve removal. Zyndol provided photos. FPOM concurred with the removal.
  - 1.5.2. 14MCN22 Replacing Floating Orifices at McNary Dam. Fredricks and Moody discussed the MOC in greater detail. FPOM is supportive of getting the work done. NWW will need to come back in spring to update on the progress. There will be no changes to the spill.
  - 1.5.3. 14IHR09 Ice Harbor Dam Study 6.2.1. update. This is a change to what is currently in Appendix A. FPOM stressed that November would be a better time and it would have resulted in not even having to bring this issue to FPOM. If this work cannot be completed in November, then FPOM (with the exception of ODFW) could live with October.
  - 1.5.4. 14LGS13 Unit Exciter Repair and testing. FPOM (with the exception of ODFW) concurred with this MOC.
- 1.6. **TDA Trunnion Pin.** Lorz said he heard the group at ERDC suggested the priority should be the Bay 9 trunnion pin over bays 10/11. FPOM would like to see Bay 9 prioritized and the trunnion pin completed. Bay 10/11 should remain on the UFR list.
- 1.7. **FPP change forms.**
  - 1.7.1. **15IHR002 – Adult Counting Method. Approved.**
  - 1.7.2. **15LMN002 – Adult Counting Method. Approved.**
  - 1.7.3. **15AppD001 – JDA Tagged Lamprey Release. Approved with additional language of “release in the JDA forebay in coordination with the Lamprey Task Group.**
  - 1.7.4. **15AppJ002 – MCN JFF Protocols >70°F. Denied.**

- 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 fall after ETS has completed scoping alternatives.
  - 3.1.2. [Aug 14] Noise/vibration task group. **ACTION:** Setter will develop a group to look at the impacts of noise and vibration on fish passage. **STATUS: Conder requested a meeting be scheduled for after the November FPOM.**
  - 3.1.3. [Aug 14] Fish counting methods in NWW. **ACTION:** Update NWW fish counting techniques so it is clear if counting is video or visual at LMN and IHR (Moody). **STATUS: fish counting is visual and live feed. FPP change forms have been submitted to more clearly explain this in the FPP.**
  - 3.1.4. [Sep 14] LWG temperature improvements. **ACTION:** Pinney will check on the contract flexibility, check on the weekend outage option, check with Dive Safety

regarding flow requirements, and update the MOC. Baus also requested clarifying unit outages during this same time period.

- 3.1.5. [Sep 14] IHR study. **ACTION:** Trumbo will provide more details as to why this study couldn't occur in November instead of October and will move the study to November if possible.

### 3.2. NWP Action Items.

- 3.2.1. [Jun 14] WFL gate operation. **ACTION:** Hausmann will report back after they exercise the gates in September. **STATUS:** *delayed due to Lock Fest.*
- 3.2.2. [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. **STATUS:** *still working towards consistency. Mapping the fishing areas occurred.*
- 3.2.3. [Aug 14] BON ROV inspection. **ACTION:** Hausmann will propose an inspection of the north monolith once the ROV is back if it is before the start of the fall Chinook run. **STATUS:** *ROV is not yet back however, Royer explained that the junction area had been inspected prior to it going OOS. She said everything looked ok.*
- 3.2.4. [Sep 14] BON Bay 17. Need an update on this. There were thoughts that this had been repaired but apparently this isn't the case. **ACTION:** Royer will get an update and include it in the next weekly report. **STATUS:** *Bay 17 should return to service by the end of November.*
- 3.2.5. [Sep 14] BON split flows operation. Fredricks suggested a new change form adding an additional trigger for further splitting flows more evenly between the two powerhouses. The original thought was to be conservative to protect juveniles. **ACTION:** NWP will develop a change form with a proposed trigger.
- 3.2.6. [Sep 14] TDA-E low flow test. **ACTION:** NWP will need to look through the data to see if there may truly be an issue with a one fish unit operation.

## 4. Updates

### 4.1. NWW Updates.

- 4.1.1. Upcoming maintenance/construction/research activities. Includes already coordinated MOCs. (new item)
- 4.1.2. LWG - rented generator operation and pumps shutdown procedures. Moody explained that the trigger to turn off the generators has been met. Generators will remain in for an additional week due to weather predictions. More fuel will be needed and that will take time to order and deliver.
- 4.1.3. LWG temperature improvements. Pinney explained the need to change the dates and the plan to get 60 hours of work completed in 30 hours. He is looking for a three day ladder outage in June. The entire ladder will need to be dewatered due to the location of the work. Also, the pumps will be worked on during the same time so they won't be available to provide flow to the ladder if the ladder wasn't completely dewatered. Lorz said this was discussed in FPAC and SCT. He said he will send Pinney and email with the CRITFC position. Lorz had concerns about contingency plans. What if something bad happens? Are there turnoffs to return the ladder to service or once the work has started, are we stuck with the outage until the work is complete? Lorz suggested if there are no contingency plans, then there may be a push from CRITFC to delay a year. There was a lot more discussion about the work and the timing and the risk associated with getting the work done or waiting another year. Pinney said it may be possible to work for three days, bring the ladder back, then take it back down for another three days. This is less efficient and requires additional fish salvage activities. Bettin asked if Unit 1 would be on or off. Pinney said he expects it would

be the same as this year. He noted that once the unit is on, it tends to stay on but we could look at turning it off to keep from providing attraction flow to the fishway. Bettin asked if the outage could occur during the weekend. Pinney said maybe but there are fewer people on Project. Bettin said it is easier to sell the power during the week rather than the weekend. Lorz suggested Pinney check with the Dive Safety to make sure divers can dive in the anticipated flows. **ACTION: Pinney will check on the contract flexibility, check on the weekend outage option, check with Dive Safety regarding flow requirements, and update the MOC. Baus also requested clarifying unit outages during this same time period.** Hevlin asked if anyone disagreed with a three day outage in early to mid – June. Van Dyke said he didn't hear a good description of an alternative to the work. Lorz and Conder said that would be the plan with the rental pumps. Pinney said the rental pumps would be doable. **FPOM was generally agreeable with the idea of taking a three day outage but they need to see the plan in writing. This will be added to the October agenda. Kiefer expressed concern about delaying the adults due to the needs of the hatcheries for broodstock. He said IDFG is generally supportive but contingent upon closing the fishery below the dam while the ladder is out of service.**

#### 4.2. NWP Updates

- 4.2.1. Upcoming maintenance/construction/research activities. Includes already coordinated MOCs. (new item)
- 4.2.2. BON Unit 11 update. Still on schedule for December 2014. Fredricks said there is no RTS date for U11 in the weekly report. He would like to see it in writing. Royer said she will include it in the next weekly report. He also noted there are some areas of the report that could use some improvement. He would like to see a schedule included for items currently being worked on. Lorz agreed. This applies not only to BON but to all the dams.
- 4.2.3. BON Bay 17. Need an update on this. There were thoughts that this had been repaired but apparently this isn't the case. **ACTION: Royer will get an update and include it in the next weekly report.**
- 4.2.4. BON split flows operation. Fredricks explained the split flow operation as per the FPP. For 2014, there was a change in this operation based on the input from an experienced fish counter at the Washington Shore ladder. Fredricks suggested a new change form adding an additional trigger for further splitting flows more evenly between the two powerhouses. The original thought was to be conservative to protect juveniles. **ACTION: NWP will develop a change form with a proposed trigger.**
- 4.2.5. AFF picket lead operation. Fredricks talked about the need for a FPP change form detailing additional triggers for reducing the numbers of picket leads. Conder noted that there was an attempt last winter. Mackey reminded people that the change form was abandoned last year. Rerecich said there needs to be a trigger to go back to normal operation. In general, FPOM was agreeable with 20K fish. Conder and Lorz noted that if the unit operation goes back to two units at PH1 that may change the number of fish using the Washington Shore. **FPOM agreed to return to normal App G AFF operations once Washington Shore fish numbers decrease to 20K fish. They also recommend keeping four units operating at PH1 to help keep fish numbers in Washington Shore below 20K.**
- 4.2.6. TDA-N fish count station improvements. Cordie is soaking the Teflon plate in the cul-de-sac. Cordie discussed the need to change the color of the crowder. Instead of Battleship Gray, the recommendation is PowerBait Green. The purpose of the green is to help the video software edit the recordings. TDA will test both colors.

Fredricks would like to see a color sample before agreeing. Moody asked about the purpose of the video. Klatter and Cordie explained that it can compress an hour of video to just a few minutes by cutting out the blank space. Wills asked which fish are being programmed into the software for species identification. No programming has occurred at this time. Wills stressed the need to include Bull Trout.

4.2.7. JDA spill gate inspection 8-19 September. The climbing inspection of gate 2 was successfully completed on 10 September. Spillbay 3 was used in lieu of spillbay 2. Zyndol said he will submit a FPP change form allowing the use of spillbay 3 when spillbay 2 is unavailable. For the upstream inspection, as this one was, no adjacent gates need to be closed, however, when the downstream inspection occurs then adjacent bays will be closed. These inspections will occur every five years.

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](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Research/Research.html)

4.3.1. B2 Trashrake. In the process of awarding the contract for the perf plate. Expecting a three week delivery period. Still plan on ROV inspecting the FU trashrake operation once it has been modified. Goal for the modifications is to improve raking ability at FUs so that we don't have to float trash as often or not at all. TL for the Trashrake modification is Ben Filan. PM is Erick Strickland.

4.3.2. FGE testing. DQC in progress for EDR supplement. ATR review in early October. Concurrent FFDRWG review. FFDRWG meeting to be scheduled in late October to discuss the EDR supplement.

4.3.3. TDG monitoring. (Update provided after FPOM by K. Perletti at BON) Just heard today of a request to ROV inspect the TDG monitor on cascade island. Apparently TL (Tina Lundell) wants it done sometime in November. Todd Manny is on the request and will use a boat to deploy the ROV for inspecting the submerged portion of the TDG monitor. More details to come at the October FPOM.

4.3.4. CRITFC AFF PIT tag detector. (J. Fryer) Postponed until October.

4.4. RCC update.

Project	Previous day average (kcfs)	5 day forecast average (kcfs)	10 day forecast average (kcfs)
LWG	23.6	22.4	21.8
MCN	77.3	78	89
BON	88	84	96

4.5. Lamprey updates. . Zorich reported on the adjusted lamprey counts, which include day, night and LPS counts. We are through 90% of the run and have surpassed 2012 & 2013 estimates. Zorich explained the LPS mechanical counters (paddles) have been over counting due to paddle bounce and hangers causing multiple false counts. Estimated lamprey passage at Bonn 1 Jan to 9 Sep is 100,000 to 115,000 depending on LPS correction. 43% passing WS and 51% passing BI. In 2013 about 50% of the lamprey passed the Washington Shore. WS LFS has been used by 0.5% (534 fish) of the run in 2014. FPOM noted that the flume hasn't been operated as designed yet. Attraction water volume thus velocity was reduced to prevent entrained air from impacting salmonid fishway entrance.

4.6. Avian.

4.7. Critical Infrastructure. *Presentation of the spreadsheet in October.*

4.8. BPA updates. No updates for September.

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

5.1. 14JDA13 hilton valve removal. Zyndol provided photos. **FPOM concurred with the removal.**

- 5.2. 14MCN22 Replacing Floating Orifices at McNary Dam. Fredricks and Moody discussed the MOC in greater detail. **FPOM is supportive of getting the work done. NWW will need to come back in spring to update on the progress. There will be no changes to the spill.**
- 5.3. 14IHR09 Ice Harbor Dam Study 6.2.1. update. This is a change to what is currently in Appendix A. Trumbo discussed the plan. Conder asked why the operation of the units outside 1% is scheduled in October and not November, which is when the Project can operate outside the 1% as per the FPP. Trumbo said because it was more convenient given other Project work. Conder took exception to the statement that there would be no impacts to juveniles when the work is clearly occurring at a time when units are operated in a manner to protect any juveniles in the river. Hevlin suggested spill to m-word for the impacts to the unit operation. Bettin suggested that recent studies have shown that maybe the operation outside 1% isn't as detrimental as we have believed. Lorz didn't want to take information from BON and apply it to IHR. Lorz asked Trumbo if the operation outside 1% would be as late in the schedule as possible. Conder then asked if the plan is to pond to MOP since flows will likely be low enough to have only one unit operating. Bettin clarified that MOP is over and more than one unit will be operated during the day. **FPOM stressed that November would be a better time and it would have resulted in not even having to bring this issue to FPOM. If this work cannot be completed in November, then FPOM (with the exception of ODFW) could live with October. ACTION: Trumbo will provide more details as to why this study couldn't occur in November instead of October and will move the study to November if possible.**
- 5.4. 14LGS13 Unit Exciter Repair and testing. Moody explained the MOC. Bettin asked if this is in the outage file. He said LGS is unique in that they are planning on running speed-no-load instead of having the unit on or off. Hevlin said he didn't have a problem with the MOC. **FPOM (with the exception of ODFW) concurred with this MOC.**
6. **TDA adult attraction spill test.** As per 14TDA09, the spill test has begun. Early results show some success in moving fish. Van Dyke asked that the actual numbers be included in the analysis that Rerecich sent out. Fredricks gave a brief background on the situation. He said historically we see about 6% of the run using TDA-N; with the spill we are seeing closer to 18%. Fredricks said there is another pattern we can test. He provided a video from the model for FPOM to look at. Bettin suggested reducing the flow through bay 1 to help reduce the energy right by the fishway entrance. Cordie said the bay can be reduced down to two feet. Fredricks suggested moving the flow to bay 8. Fredricks showed video of the model runs. FPOM discussed the different operations. Fredricks would like to see consideration of changing the operation to try to get a higher percentage of the fish using TDA-N. He said if the percentage stays stable over the next couple days then try the two bay pattern (Option 2 below). If the percentage of fish using TDA-N is highly variable, then keep the current operation. Lorz said he can agree with changing the pattern as long as FPOM can agree that the test has successfully moved fish from TDA-E to TDA-N. Bettin agreed but asked how the tool could be used in the future. **FPOM concurred with moving spill to bays 1 and 2 (Option 2) at 0400 on 13 September. There will be a conference call at 0900 on 12 September to verify the percentage hasn't changed.**
- 6.1. **Current Operation. Bay 1 – 4', Bay 7 – 3', Bay 8 – 3'. Equals 15K.**
- 6.2. **Option 1. Bay 1 – 3', Bay 7 – 3', Bay 8 – 4'. Equals 15K.**
- 6.3. **Option 2. Bay 1 – 5', Bay 2 – 5'. Equals 15K.**
- 6.4. **Update- conference call held at 0900 on 12 September. Bettin, Fredricks, Klatte, Lorz, Mackey and Wright called in. The fish counts did not appear to stay stable so the group decided not to go with the two bay operation. They talked of reducing bay 1 by 1' and moving it to bay 8. The group was agreeable to that but wanted to hear from Ebner before committing to the change. Mackey sent Ebner an email asking her opinion and followed**

*up with a phone call. If Ebner was not able to get back to Mackey by COB on 12 September, the pattern would remain and no change would be made.*

7. **TDA Trunnion Pin.** Lorz said he heard the group at ERDC suggested the priority should be the Bay 9 trunnion pin over bays 10/11. Klatte said it didn't get funding in FY15 but NWP is opening to get plans and specs completed within the next 12 months. The focus will move to the trunnion pin instead of the other bays. Lorz said he is hearing that NWP is saying TDA has met the performance standards. He said if that is the case, bay 9 was available and if bay 9 isn't available, then TDA hasn't met compliance. **FPOM would like to see Bay 9 prioritized and the trunnion pin completed. Bay 10/11 should remain on the UFR list.**
  
8. **TDA-E low flow test.** Klatte explained that there was an unexpected test of no fish unit operation at TDA-E. Cordie took over and said there was a two fish unit failure a couple of weeks ago. One fish unit provided 2600 cfs and the entrances looked relatively good. The fish counts appear to have dropped (though there are questions about the counts) even with 2600 cfs. TDA is concerned about going forward with the back-up AWS. They propose conducting a test to ensure the back-up AWS will provide enough flow to even be worthwhile. Fredricks had been in agreement with the MOC but now he isn't so sure the fish unit outage has shown there will be a problem. Rerecich said this is a box to be checked. Regardless if there was truly an issue with fish passage when the fish units went down in August, we should conduct a test to make sure the flow from the proposed back-up AWS will be sufficient. Lorz said NWP will need to provide justification for conducting a test that we know will impact salmon passage before FPOM can concur with moving forward. This test would need to occur for several days. Fredricks said if we find 1400 cfs isn't sufficient, then the back-up AWS project is dead. Klatte said he thought the TDA-N improvement was still an option. Fredricks said that project hasn't been brought up in awhile. Bettin said Greg Bowers (RCC) had found something that may be a potential alternative. It is a slotted gate that goes in front of the fish units. Fredricks said the proposed back-up AWS plan is still a good plan and should still go forward even if passage splits between the two ladders. **ACTION: NWP will need to look through the data to see if there may truly be an issue with a one fish unit operation.** Fredricks said the question about whether or not 1400 cfs is sufficient is not a O&M issue. Bettin said there are folks asking why we don't test before going forward with construction. Fredricks said the test may occur during the winter. Cordie came back with a potential plan to add more flow to TDA-N to help make sure fish find the fishway during the test. Fredricks said that would help with delay during the test but it wouldn't help if both fish units went out in May and we are in the middle of the spring spill schedule. Zyndol said he remembers another time when both fish units went out and fish moved to TDA-N then moved back to TDA-E once the fish units returned to service.
  
9. **Fish Passage Plan:** The 2015 FPP draft sections and change forms are online at: <http://www.nwd-wc.usace.army.mil/tmt/documents/fpp/2015/index.html>.
  - 9.1. Change forms - 2015:
    - 9.1.1. **15MCN002 – Work Near Fishway. Pending.** NWW cannot support this language change at this time. Fredricks strongly disagrees with NWW. Fredricks and Setter disagreed on whether construction projects have been coordinated through FFDRWG and other environmental compliance routes. Setter said the claims about noise are pure conjecture. Klatte made it clear that NWP would not be joining in this battle. Setter said she is against putting language in the FPP that doesn't get implemented. Fredricks said it does get implemented and often. He said it is a trigger for more discussion. Dugger said most construction isn't going to cause avoidance for fish. He said he doesn't ever remember such a thing coming up for NWP. Lorz jumped in and said it happens all the time and it is important. One example for NWP is the BI

bridge replacement. Setter has no support in NWW for the language and she was tasked with bringing back the justification for the language.

- 9.1.2. **15IHR001** – Work Near Fishway. *Pending*. NWW cannot support this language change at this time. Much of FPOM strongly disagrees with NWW.
- 9.1.3. **15IHR002** – **Adult Counting Method. Approved.**
- 9.1.4. **15LMN001** – Work Near Fishway. *Pending*. NWW cannot support this language change at this time. Much of FPOM strongly disagrees with NWW.
- 9.1.5. **15LMN002** – **Adult Counting Method. Approved.**
- 9.1.6. **15LGS003** – Work Near Fishway. *Pending*. NWW cannot support this language change at this time. Much of FPOM strongly disagrees with NWW.
- 9.1.7. **15LWG001** – Work Near Fishway. *Pending*. NWW cannot support this language change at this time. Much of FPOM strongly disagrees with NWW.
- 9.1.8. **15AppD001** – JDA Tagged Lamprey Release. **Approved with additional language of “release in the JDA forebay in coordination with the Lamprey Task Group.** Most of FPOM is ok with this but Lorz would like to check with McIlraith before final approval. Forebay is fine, the verification is for release from the forebay navlock wing wall. Zorich said this change form would just allow continuation of what is currently occurring. CRITFC is currently okay but they would prefer the fish be released upriver.
- 9.1.9. **15AppJ002** – MCN JFF Protocols >70°F. **Denied**. Dugger had concerns about using the sample holding tank. CRITFC said no.
- 9.1.10. **15AppL001** – Avian Monitoring & Deterrence Plans *Pending*. IHR end date needs to be changed to the end of July. Include forebay cormorant counts as well.

#### 9.2. Potential FPP change forms.

- 9.2.1. BON split flows. Additional trigger to operate more units at PH1.
- 9.2.2. BON AFF pickets. Additional triggers when fish numbers are high and reducing the number of leads allowed.
- 9.2.3. JDA spillbay 2. Allowing adjacent bay to be used when bay 2 in out of service.
- 9.2.4. NWW transport projects. Columnaris issues are showing up. Plan would be to do the same operation as 2013. This will need to be included in a change form for future years.
- 9.2.5. Overview. Getting MFRs covered in the FPP.

### 10. Task Group Updates.

- 10.1. BON Ops. (Lorz) Team members include: Benner, Bettin, Fredricks, Hausmann, Lut, Mackey, Meyer, Rerecich, Stansell, Wills. **Met on 25 June.**
- 10.2. Avian task group. (NWW). Team members include: Cordie, Dugger, Fone, Fredricks, Hausmann, Madson, Roberts, Setter, Skidmore, Trachtenbarg, Zorich, and Zyndol. Meeting held on 13 May. **Met on 1 July.**
- 10.3. TDA split flows. (Cordie) Team members include: Bettin, Cordie, Fredricks, Klatter, Lorz, Mackey, Rerecich, Stansell, Wills. Met on 15 May. Next meeting is immediately following the 12 June FPOM meeting. **Conference call on 3 September.**
- 10.4. AFF mods (Rerecich). Team members include: Benner, Fredricks, Lorz, Mackey, Meyer, Rerecich, Royer, Stephenson, and Whiteaker. Appendix G will be modified to reflect the recommended raking level and the recommended water elevation.
- 10.5. Pinniped Task Group. (van der Leeuw). Will re-start in September. FPOM would like a task group meeting scheduled. Van der Leeuw will schedule a meeting but there will not be any changes to the plan from 2014. Lorz suggested the task group meet via emails. Van der Leeuw said there has been piecemeal observations in the fall and those will not continue forward.

**10.6.** NWW construction caused impacts to fishways task group. (Setter and Conder). Team members include: Conder, Cordie, Fredricks, Hevlin, Lorz, Mackey, Setter, and others as needed.

**11. Other.**

**11.1.** The October meeting will be held at BON and include a BBQ.

**11.2.** Fredricks brought up another issue about the coordination procedures. He would like to see MFRs included in the coordination process. This will require changes to the Overview section in the FPP. Fredricks said an example is was the MFR that came out regarding the BON split flows.