

## MEMORANDUM FOR THE RECORD

Subject: Final minutes for the 12 March 2015 FPOM meeting.

The meeting was held at the CRITFC offices, Portland OR. In attendance:

<b>Last</b>	<b>First</b>	<b>Agency</b>	<b>Email</b>
Bailey	John	NWW	<a href="mailto:John.c.bailey@usace.army.mil">John.c.bailey@usace.army.mil</a>
Baus	Doug	NWD-RCC	<a href="mailto:Douglas.m.baus@usace.army.mil">Douglas.m.baus@usace.army.mil</a>
Benner	Dave	FPC	<a href="mailto:dbenner@fpc.org">dbenner@fpc.org</a>
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Conder	Trevor	NOAA	<a href="mailto:Trevor.conder@noaa.gov">Trevor.conder@noaa.gov</a>
Conger	Kurt	Wasco PUD	<a href="mailto:Kurt-Conger@nwasco.com">Kurt-Conger@nwasco.com</a>
Cordie	Bob	NWP-TDA	<a href="mailto:Robert.p.cordie@usace.army.mil">Robert.p.cordie@usace.army.mil</a>
Fielding	Scott	NWW	<a href="mailto:Scott.D.Fielding@usace.army.mil">Scott.D.Fielding@usace.army.mil</a>
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Bailey, Fielding, Fryer, Hamilton, Hevlin, Hockersmith, Kiefer, Mensik, Moody, Morrill, Popescu, Skalicky called in.

**March birthdays include: Traylor, Bailey**

**HAPPY BIRTHDAY!**

## 1. Decisions made at this meeting.

- 1.1. February meeting minutes approved.
- 1.2. 14TDA13 Back up AWS survey. Rerecich reported there is a request to update the MOC and include a survey of the wall and footing. It will require a half day extra work. **FPOM recommended 8 April but is fine with either the 8<sup>th</sup> or the 11<sup>th</sup>.**
- 1.3. 14BON82 T11 and T12 outages. T11 and T12 outages will be switched. T11 will be out in 2015 and T12 will be out in 2016. Outages are from early September until late October or first week of November. **FPOM had not issues with this change.**
- 1.4. 14BON83 WS Fish View Building roof. The work will start a week earlier. **FPOM was ok with this.**
- 1.5. BON PH2 FGE testing. Fredricks would prefer to prioritize U18 over U11 if flows are so low as to allow only three units. FPOM discussed the options and eventually agreed that prioritizing adults during this time of year would be more beneficial. Priority would be U18, 15, 14. During non-test periods unit priority should be as per the FPP.
- 1.6. 15JDA01 Steelhead mortalities. In the future, Fisheries will be on-site and watching during dewaterings of this nature. Fredricks would like to see this issue addressed system-wide and not just at each project as fish mortality incidents occurs.
- 1.7. MOC's and Outages-requested by Bill Hevlin. Hevlin said he reviewed the LWG plan and schedule and they look good. **He would like to have monthly updates. Setter will send updates to the documents to Mackey for posting to the website on a monthly basis.**
- 1.8. MOCs and MFRs
  - 1.8.1. **15IHR001** Ice Harbor Turbine Intake Characterization Study – Trumbo. Attempting to schedule a dive on 7-8 April. This would allow units 1-2 to be out of service, spill will be occurring, and U3 will be back in service so no forced spill. **FPOM concurs with this plan.**
  - 1.8.2. **15IHR006** spillway ogee. Spill starts on 3 April. NWW would like to start bio testing on 3 April. Equipment installation would occur prior to spill starting. Biological testing would occur between 3-10 April. Trumbo would like to take spillbays 1-3 out to allow for equipment removal after the study is complete. Kiefer wanted to make sure fish are released at the known problem area. Trumbo confirmed that would happen. **FPOM concurred with this MOC.**
  - 1.8.3. **15LWG003 MFR** Tailrace oil sheen. Hevlin asked if this is going to be common, if the pumps can be shut off if oil is seen. Fredricks asked why there is oil in the hub. Bettin said since the unit will return to Kaplan, the oil has to remain in there to prevent rust.
  - 1.8.4. **15LWG004.** Will be updated. **Pending.**
  - 1.8.5. **15LWG005.** **Pending.**
- 1.9. New FPP change forms (since last FPOM meeting):
  - 1.9.1. 15BON010 – B2CC Winter Priority. **Approved.**
  - 1.9.2. 15TDA005 – ITS Winter Priority. **Approved.**
  - 1.9.3. 15LWG002 – Season dates. **Approved.**
- 1.10. Task Groups.
  - 1.10.1. New Task Group. Condition monitoring. (Lorz, Conder). Team members include: Benner, Bettin, Fredricks, Mackey, Morrill, Setter.
  - 1.10.2. New Task Group. Load Shaping Guidelines (Bettin). Team members include: Fredricks, Mackey, Wright.

- 1.10.3. Inactive TG. AFF mods (BON Fisheries). Team members include: Benner, Fredricks, Lorz, Mackey, Meyer, Rerecich, Royer, and Whiteaker. **It has been suggested this Task Group can be removed. This task group may go to inactive status AFTER an after action report (from 2009 until 2014) is provided to FPOM. ACTION: Rerecich and Hausmann will collaborate.**
  - 1.10.4. Inactive TG. Noise impacts task group. (Setter and Conder). Team members include: Conder, Cordie, Fredricks, Hevlin, Lorz, Mackey, Setter, and others as needed. **Change forms approved. This task group may go to inactive status.**
  - 1.10.5. Inactive TG. Pinniped Task Group. (van der Leeuw). Presented at the January FPOM meeting. **This task group will go back to inactive status.**
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. [Mar 15] Snake River condition monitoring. **ACTION:** Bailey will schedule a teleconference with FPOM once the new contractor has been selected
- 3.1.2. [Mar 15] Winter steelhead surface passage. **ACTION:** Fryer will draft a scope and the Region will help shape that scope. Wertheimer will connect with Fryer to see where their efforts over-lap.
- 3.1.3. [Mar 15] Fishway dewatering SOPs. **ACTION:** Project Biologists will send their dewatering SOPs to FPOM for review.
- 3.1.4. [Mar 15] Benner asked if the adults removed for broodstock before the count window at LWG should be added back into the ladder counts. FPOM deferred to TAC. **ACTION:** Lorz will talk to Stuart Ellis.
- 3.1.5. [Feb 15] MCN Debris Management Plan. **ACTION:** FPOM will write up comments and send them to Setter. **STATUS: no comments received as of 9 March. FPOM said it was a good start and will submit any additional comments if necessary. Setter will send out a revised draft. Lorz will send his comments on 13 March. Fredricks will send his comments by 20 March.**

#### 3.2. NWP Action Items.

- 3.2.1. [Mar 15] Winter steelhead surface passage. **ACTION:** Fryer will draft a scope and the Region will help shape that scope. Wertheimer will connect with Fryer to see where their efforts over-lap.
- 3.2.2. [Mar 15] TDA unit outages. Bettin requested to coordinate an outage for units 1-4 in May. FPOM requested a MOC. **ACTION:** Bettin will draft a MOC for this outage.
- 3.2.3. [Mar 15] Fishway dewatering SOPs. **ACTION:** Project Biologists will send their dewatering SOPs to FPOM for review.
- 3.2.4. [Mar 15] AFF mods (BON Fisheries). Team members include: Benner, Fredricks, Lorz, Mackey, Meyer, Rerecich, Royer, and Whiteaker. It has been suggested this Task Group can be removed. This task group may go to inactive status AFTER an after action report (from 2009 until 2014) is provided to FPOM. **ACTION:** Rerecich and Hausmann will collaborate.

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

- 3.3.1. [Feb 15] Wertheimer noted that BON had involuntary spill. He said the B2CC should be the first facility opened during spill operations. **ACTION:** Wright will work on a change form stating the B2CC will be opened first during involuntary spill. **STATUS:** *a teletype was issued and a FPP change form is on the agenda for discussion.*
- 3.3.2. [Feb 15] clipped and unclipped jack counting. Necessity of differentiating clipped versus unclipped jacks. Wertheimer asked FPOM how this information is being used and is it needed. Lorz said this is a TAC question. Wertheimer pointed out that gathering this information is not really feasible. Fredricks suggested this should be sent directly to TAC by Wertheimer. **ACTION:** Wertheimer will send an email to TAC and get this sorted out where it belongs. **STATUS: completed. TAC needs adult counts split by species and clipped/unclipped. Stuart Ellis is checking if jack Chinook split by clipped/unclipped is needed. From Ellis to Lorz -***“The wider group of fishery managers finds the ad-clip sub-sampling for both Chinook and coho to be useful and thinks it provides valuable data for fishery managers. Mixing ad-clip rates for Chinook and coho would not provide useful information. Since adult management is the primary concern, if it were only possible to do ad-clip rates for adult Chinook and adult coho, we could probably live with that. Jack data are good, but not as important as adult data. We do not need these data on a daily basis. Periodically throughout a season would be fine. As to the method used to get the sub sample, it would not matter to us if they were visual estimates or video or any other method. I need to double check with the group that does the Snake River fall Chinook run reconstruction. But it may be that they would really like to continue the fall Chinook (Aug 18 on) ad-clip sampling for both adult and jack Chinook to aid them in their run reconstructions.”*

## 4. Updates

### 4.1. NWW Updates.

- 4.1.1. Upcoming maintenance/construction/research activities.
- 4.1.2. MCN Washington fish ladder leak. This will be addressed. Setter reported that Dugger will likely retire this spring. The Region should call NWW first and they will communicate with the Project via OPM or the assistant bio.
- 4.1.3. 15 MCN 01 Debris Spill with LWG Log Bronc update. The forebay has been cleared. The Bronc broke up the compacted debris, moved the debris chunks up to the spillway and passed the debris. The Project found that if they get to moving debris sooner, it doesn't compact as much and is easier to move. MCN is getting their own Bronc and will no longer need to borrow from LWG.
- 4.1.4. LGS fishway controls. Moody reported that the new controls have been installed. The controls were tested and appeared to be programmed correctly, however, there are some bugs that need to be worked out. The system is currently in manual and will be back in auto by the end of March. Conder asked if FPP criteria is being met. Moody said the Project is meeting criteria at the current setting, however, if flows change they will be out of criteria. Moody added that LMN is back in auto and working correctly as well.
- 4.1.5. IHR ogee construction delay. This will remain an update until the work is completed (Fryer, Setter). Fryer reported that the bulk of the work will be completed by 3 April. The contractor will be out of the way so spill may start on time. 9 March - demobe started. 10 March - sheet pile removal. 22 March - trestle removal. Work after spill starts includes concrete patching and footer beam removal. Fryer has talked about a contingency plan in the event the contractor will not be out of the spillway. He is

open to suggestions for spill patterns that do not include bays 2 or 3. FPOM discussed going to the 30kcf plan but it was noted that the risk of needing a contingency plan is very low. Bettin asked about not removing the beam. Fryer said it would save about 10 days of work due to there being bolts every 18 inches. Conder went on a site visit and said he feels more comfortable with the project but still has some concerns. **Setter recommended sending written comments to NWW FFDRWG or to the PM. FPOM would like to see a CFD or model run.**

- 4.1.6. Snake River condition monitoring RFP. Bailey reported that bids have been received and in the process of approving the contract. Fredricks asked how many bids were received. Bailey said there were four companies interested during the initial pre-solicitation. FPOM was hoping for more information because there are still questions about how permitting will work. Setter said Bailey was informed that NOAA would need a week to get their handling permit. FPOM has concerns about how fish will be handled and who will handle the fish. Fredricks would like to have an ad hoc meeting as soon as a contractor is selected. **ACTION: Bailey will schedule a teleconference with FPOM once the new contractor has been selected.** Update: Blue Leaf Environmental was awarded the contract.
- 4.1.7. LWG Rental pump update. **This will remain an update until complete.** Setter reported that the Project is still on track to have the pump on-site in July and continue through September. Last year LWG was operating at only 10% of efficiency on the pump curve. They are putting the request out earlier this year so there may be more options for getting a better pump. Lorz asked when the electrical will be installed for the pumps. Setter said there hasn't been a schedule set up yet. Part of the delay is the money transfer between LWG and NWW. The electrical is in the design phase, the pumps are being sought more countrywide so a better, more efficient pump might be found.
- 4.1.8. LWG JFF Construction Fielding reported that piers are being poured. There is a fish screen call at 1000. Fielding will rejoin when we get to MOCs to discuss further.
- 4.1.9. Adult fish count continues at Bonneville and Lower Granite – by recording fish passage. Bonneville fish counts started 1 March and Lower Granite started 5 March.

#### 4.2. NWP Updates

- 4.2.1. Upcoming maintenance/construction/research activities. Includes already coordinated MOCs.
  - 4.2.1.1. 14TDA13 Back up AWS survey. Rerecich reported there is a request to update the MOC and include a survey of the wall and footing. It will require a half day extra work. **FPOM recommended 8 April but is fine with either the 8<sup>th</sup> or the 11<sup>th</sup>.**
  - 4.2.1.2. 14BON82 T11 and T12 outages. T11 and T12 outages will be switched. T11 will be out in 2015 and T12 will be out in 2016. Outages are from early September until late October or first week of November. **FPOM had no issues with this change.**
  - 4.2.1.3. 14BON83 WS Fish View Building roof. The work will start a week earlier. **FPOM was ok with this.**
  - 4.2.1.4. 14BON84 ITS end gate and WG1.
- 4.2.2. BON Unit 11 update. Hausmann reported that U1 returned to service on 10 March. It is currently operating. 72 hour heat test has been completed.
- 4.2.3. BON Fish Unit trashrake. Scheduled to be completed on 1 April.
- 4.2.4. BON DSM2 Orifice Flushing. All repaired. All of them function in auto and manual.

- 4.2.5. BON AFF. CRITFC has started coordination with BON and all should be good to go for fish passage season. Van Dyke hasn't heard that ODFW needs to be in the AFF this year.
- 4.2.6. BON JMF operation/kelt counting. Wertheimer reported that we hit the trigger on 10 March. Lorz suggested, tongue in cheek, that we might consider closing the B2CC due to the 6000+ sea lions down in the lower river. Bettin asked if nighttime 12 hour operation might not be a good idea so we aren't feeding sea lions during the day. Hausmann reported that three sea lions were flushed through the BON navlock so there may not be sea lions in TDA tailrace/BON forebay. Wertheimer said the weekly report will be sent out soon. Back to the diel operation of the B2CC, FPOM said kelts have not shown to pass based on time of day, however, we could make their passage diel by opening surface routes at night. While the question is legitimate, FPOM was not ready to go to 12 hour operations at this time.
- 4.2.7. TDA ITS winter operation. Wertheimer reported that his white paper is not yet ready. FPOM didn't have concerns with the delay at this time. Fredricks said NWW has been tasked with scoping a steelhead synthesis report. The intent of that report was to summarize the data from MCN, primarily. Fryer said the plan is to talk about the scope of that report during 1-pager review. Fredricks expressed some concern about delay since this is an FY15 study and we are already well into FY15. VanDyke suggested the NWW FFDRWG conversation was a bit broader than just MCN. Conder was in agreement that the scope should extend beyond MCN because there is a lot of information out there that needs to be compiled. **ACTION: Fryer will draft a scope and the Region will help shape that scope. Wertheimer will connect with Fryer to see where their efforts over-lap.**
- 4.2.7.1. Wright said there was a teletype sent that instructed TDA to operate the ITS whenever there is involuntary spill outside normal spill season. Cordie reported that ODFW said there was a spike in the 15-Mile Creek fish numbers after the ITS was opened, but there has also been a spike when the ITS was still closed in February. That data will need to be evaluated a bit more.
- 4.2.8. TDA 1400 cfs test results (15TDA01). Rerecich said the test seems to show good results. Cordie said there was some backflow seen. TDA believes if the diffusers at the west and south could be closed, the backflow may not be seen. FPOM asked if those would be closed in a real life situation. Cordie said yes, however, closing those diffusers would take time since they do not have a push button operation. All of the diffusers leak so that leakage may still result in backflow. **FPOM recommended an operation manual be developed for use when the back up AWS is used.** Cordie said the fish lock water was not used during this test.
- 4.2.9. TDA Fish Unit 2 outage for blade timing adjustments. F2 was out of service for 3.5 hours. F1 was bumped up and aside from some minor adjustments to the west and south entrances, the east fishway remained in FPP criteria.
- 4.2.10. TDA unit outages. Bettin requested to coordinate an outage for units 1-4 in May. FPOM requested a MOC. **ACTION: Bettin will draft a MOC for this outage.** Cordie reported that units 1 and 2 would be delayed in returning to service until 3 April due to transformer oil leaks.
- 4.2.11. TDA north fishway rock wall repairs. Ament is the new PDT PM.
- 4.2.12. TDA spill bay 9 trunnion pin. Klatte reported this will go to Small Projects.
- 4.2.13. JDA spill bay 15 repair. JDA will make the repairs on 23 March. Three welders were able to pass the HSS test so there is a lot of flexibility.
- 4.2.14. JDA-S subsidence area. Grosvenor reported on this issue. FPOM appreciated the heads up. Survey reports are available on the FPOM website.

4.3. Research/FFDRWG updates. [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. Rerecich reported on the FGE testing and the anticipated low flows could cause a change in the testing schedule. NWP is attempting to schedule the tests around the releases of Spring Creek fish. **Fredricks would prefer to prioritize U18 over U11 if flows are so low as to allow only three units. FPOM discussed the options and eventually agreed that prioritizing adults during this time of year would be more beneficial. Priority would be U18, 15, 14. During non-test periods unit priority should be as per the FPP.**

4.4. RCC update.

**Table 1. RCC flow forecast.**

Project	Previous day average (kcfs)	5 day forecast average (kcfs)	10 day forecast average (kcfs)	Projected Peak
LWG	29	54	56	3/17 66
MCN	166	194	187	3/18 196
BON	181	203	202	3/18 213

4.5. Lamprey updates.

4.5.1. Cooling water strainer passage numbers. Bailey reported on the lamprey numbers. The spreadsheet has been posted to the FPOM website.

4.6. Avian.

4.6.1. NWW is working thru new policy that does not allow any weapons on project. Bailey has requested an exemption for avian hazing this fish passage season.

4.7. Critical Infrastructure. Schedule a meeting in August. NWP and NWW would be split.

4.8. BPA updates.

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

5.1. 15JDA01 MFR SE-1 fish mortalities. Fredricks said he is looking for more assurances that there will not be fish mortalities during fishway dewaterings. Fredricks asked about Project Fisheries holding clearances for all fishway dewaterings. Setter said NWW is working on this issue at their Projects.

5.1.1. JDA has updated their SOP to have Project Fisheries as the clearance holders. Fredricks stressed that these mortalities are not part of the BiOp. Cordie noted that dewatering sometimes has to be started before Fisheries is on-site or else dewatering would not be completed in a day. Fredricks said that is fine when large volumes of water need to be moved but if it is expected to be dry in a couple of hours then Fisheries needs to be on-site and ready. Grosvenor said JDA Fisheries has been working to get more control of the clearance process during dewatering activities. In this instance, the new Weir 1 bulkhead does not leak like the old one and the section dewatered much quicker than anticipated. **In the future, Fisheries will be on-site and watching during dewaterings of this nature. Fredricks would like to see this issue addressed system-wide and not just at each project as fish mortality incidents occurs. ACTION: Project Biologists will send their dewatering SOPs to FPOM for review.**

5.2. MOC's and Outages-requested by Bill Hevlin. Hevlin said he reviewed the LWG plan and schedule and they look good. **He would like to have monthly updates. Setter will send updates to the document to Mackey for posting to the website on a monthly basis.**

- 5.3. 15IHR001** Ice Harbor Turbine Intake Characterization Study – Trumbo. Attempting to schedule a dive on 7-8 April. This would allow units 1-2 to be out of service, spill will be occurring, and U3 will be back in service so no forced spill. **FPOM concurs with this plan.**
- 5.4. 15IHR006** spillway ogee. Spill starts on 3 April. NWW would like to start bio testing on 3 April. Equipment installation would occur prior to spill starting. Biological testing would occur between 3-10 April. Trumbo would like to take spillbays 1-3 out to allow for equipment removal after the study is complete. Kiefer wanted to make sure fish are released at the known problem area. Trumbo confirmed that would happen. **FPOM concurred with this MOC.**
- 5.5. LMN U1 (MOC coming).** Unit 1 is OOS and will remain so until work to overhaul and return to Kaplan functionality is undertaken. MOC still being drafted. Setter reported they are still having internal discussions about this work. Conder asked about Unit 2. Setter said there are discussions about U2. U2 hasn't shown any issues however, it needs a six year overhaul, but there are discussions about what maintenance is critical. Conder said he feels it is important to have either U1 or U2 running at LMN.
- 5.6. LGS.** Removing debris from upstream of units 1 and 2.
- 5.7. 15LWG003 MFR** Tailrace oil sheen. Hevlin asked if this is going to be common, if the pumps can be shut off if oil is seen. Fredricks asked why there is oil in the hub. Bettin said since the unit will return to Kaplan, the oil has to remain in there to prevent rust.
- 5.8. 15LWG004.** Will be updated. **Pending.**
- 5.9. 15LWG005. Pending.**
- 6. TDA Wasco PUD.** Conger and Schick presented the results of their scour evaluation of TDA-N. Reports are available on the FPOM website. Fredricks asked if TDA has reviewed the evaluation and how they feel about it. Cordie said the project engineers have reviewed it and are comfortable with the results. Cordie suggested getting a better idea of how often that channel has been operated in the past. Bettin asked if there are pictures of the channel when it was originally repaired. Fredricks said he has photos and the channel had looked nice. Fredricks said the condition prior to the shot crete was not good. Conger said he has received comments from some members of the SRWG and they are addressing those separately. He said North Wasco would like to pursue the study this year but the process is slow.
- 7. Fish Passage Plan:** The Final 2015 FPP is online at: <http://www.nwd-wc.usace.army.mil/tmt/documents/fpp/2015/index.html>. New change forms have been added since the last FPOM meeting.
- 7.1.** Change forms - 2015 (pending further review):
- 7.1.1. 15BON006 – PH2 Mid-Point Operation Dates. Pending. STATUS: Mar FPOM:** Bettin said he would like to get the whole range. Lorz said FPC has been tied up with the condition monitoring RFP. He said he has looked at some of the data. He is willing to accept the low end but needs more discussion on the upper end of 1% for sub-yearlings in August. Chockley will look at how often units were operated at the upper end of 1%. Fredricks said he isn't as concerned about summer operations. There is more modeling work in September and he would like to have that in hand before making a decision.
- 7.2.** New FPP change forms (since last FPOM meeting):
- 7.2.1. 15BON010 – B2CC Winter Priority. Approved.**
- 7.2.2. 15TDA005 – ITS Winter Priority. Approved.**
- 7.2.3. 15LWG002 – Season dates.** Setter said NWW isn't ready to change the start date yet. She said depending on the water year and maintenance needs, the Project would like to have the flexibility to keep the ladder down for that additional time. She noted that the facilities are aging and it may take longer to maintain the ladders. Shortening

the work window could result in more coordination requesting extensions or early outages. Hevlin said having the 15 February date in the FPP may help motivate to get maintenance completed earlier so that fish holding upstream can move out in a timely manner. Setter feels that changing the RTS date limits the flexibility of the project to conduct their maintenance however, she feels having language in the FPP could work. Benner asked if counting would begin on the 15<sup>th</sup> if the ladder came back. Setter said not necessarily. Fredricks noted that the automated video counting might be useful in situations such as that. Skalicky asked about why some dams were constructed with only one ladder. Bailey said the fact that fish move through the LGS ladder so quickly, it was determined that there wasn't a need for a second ladder. **Approved.**

### 7.3. Potential FPP change forms.

7.3.1. BON split flows. Additional trigger to operate more units at PH1.

7.3.2. Appendix B – Transport. Revise truck transport minimums if supported by data analysis to determine likely effects, including frequency and duration. Wagner will request NOAA Montlake to look at the data.

7.3.3. Appendix C – Load Shaping Guidelines. Needs to be updated and reconciled with project-specific sections of the FPP. This is a new task group.

7.3.4. Appendix J – Smolt Monitoring Protocols. Should include protocols for smolt condition monitoring at all projects. Fredricks said he would like to see an evaluation of the condition data collected to determine if we are doing the minimum monitoring effort to satisfy the requirements of the BiOp. Lorz reported that the oversight committee met and started discussing current monitoring and needs for monitoring. Fredricks said the SMP is different than the intent of this potential change form. This change form is to address the BiOp condition monitoring required from the Action Agencies. This is a new task group.

## 8. Task Group Updates.

8.1. Condition monitoring. (Lorz, Conder). Team members include: Benner, Bettin, Fredricks, Mackey, Morrill, Setter.

8.2. Load Shaping Guidelines (Bettin). Team members include: Fredricks, Mackey, Wright.

8.3. Avian Hazing (Zorich). Team members include: Conder, Fredricks, Lorz, Mackey, Setter, Wertheimer. **Meeting on 12 February to discuss hazing effectiveness evaluation.**

8.4. BON Ops. (Lorz) Team members include: Benner, Bettin, Fredricks, Hausmann, Lut, Mackey, Meyer, Rerecich, Skalicky, Wertheimer. Met after January FPOM. Change form still pending review and approval.

8.5. TDA split flows. (Cordie) Team members include: Bettin, Cordie, Fredricks, Klatte, Lorz, Mackey, Rerecich. Two new docs posted to the task group folder (*150212 TDA Adult east vs. north thru sept 10* and *150212 EAST ladder observations*).

8.6. AFF mods (BON Fisheries). Team members include: Benner, Fredricks, Lorz, Mackey, Meyer, Rerecich, Royer, and Whiteaker. **It has been suggested this Task Group can be removed. This task group may go to inactive status AFTER an after action report (from 2009 until 2014) is provided to FPOM. ACTION: Rerecich and Hausmann will collaborate.**

8.7. Noise impacts task group. (Setter and Conder). Team members include: Conder, Cordie, Fredricks, Hevlin, Lorz, Mackey, Setter, and others as needed. **Change forms approved. This task group may go to inactive status.**

8.8. Pinniped Task Group. (van der Leeuw). Presented at the January FPOM meeting. **This task group will go back to inactive status.**

9. **Other.** Benner asked if the adults removed for broodstock before the count window at LWG should be added back into the ladder counts. FPOM deferred to TAC. **ACTION:** Lorz will talk to Stuart Ellis.