

## MEMORANDUM FOR THE RECORD

Subject: Final minutes for the 09 July 2015 FPOM meeting.

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

Last	First	Agency	Email
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Benner, Cordie, Fone, Fryer, Hockersmith, Kiefer, Kostow, Pinney, Sears, Trachtenbarg, and van der Leeuw called in.

**July birthdays include:**  
**Zyndol, Hausmann, E. Grosvenor, Feil, D. Chase,**  
**HAPPY BIRTHDAY!**

Documents may be found at <http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/>

## 1. Decisions made at this meeting.

- 1.1. June meeting minutes approved with edits.
- 1.2. LWG JFF sunshades temperature data. Trachtenbarg reminded everyone that the sun shades were installed to provide some protection from the construction activity and that- Since the activity is no longer an issue, Hevlin no longer believes the shades are needed to shade the ladder from ongoing construction activity, the discussion regarding their purpose and retention of them is now evolving. Moody asked if the shades wear out, do we have to replace them or do we remove them. Fredricks ~~said not to mess~~ suggested not messing with the ladder at this time; wait until the sockeye run is over and before fall Chinook start showing up. **FPOM ~~did agree~~ agreed that if the shades fail, the failed panels should be removed and not replaced. ~~Full FPOM consensus is that full~~ removal can occur this winter.**
- 1.3. TDA ITS ogee modifications. The ice trash sluiceway outfall consist of ~15' drop as ~~is its~~ exits the powerhouse into Westrick Park. This waterfall creates spray across the roadway and icy conditions in the winter. **FPOM was highly supportive of this modification. FPOM recommended this go to FFDRWG for further evaluation.**
- 1.4. JDA orifice position. **FPOM suggested inspecting the orifice light tubes to ensure flow is moving through the orifices.**
- 1.5. BON minimum spill task group created.
- 1.6. **Coordination/Notification forms (need concurrence/discussion)**
  - 1.6.1. MFRs 15BON12 – 40 No additional comments
  - 1.6.2. 15BON41 U18 outage. *Approved.*
  - 1.6.3. 15TDA08 transformer installation. *Pending.*
  - 1.6.4. 15TDA09 CO2 rehab. *Pending.*
  - 1.6.5. 15LMN02 Transformer Maintenance and Testing. *Approved in June.*
  - 1.6.6. 15LMN03 Transformer Grounding Disconnect Switch. *Pending.*
  - 1.6.7. 15IHR09 – Turbine unit priority during low flows. *Approved.*
  - 1.6.8. 15IHR10 Unit Priority Change for Research Equipment Install/Removal. *Pending.*
  - 1.6.9. 15LWG15 Fish Barge Schedule Change. *Approved.*
- 1.7. IHR, LMN, and LWG low flow spill change forms. FPOM expressed concerns about not having model data to evaluate the proposed changes. Hevlin proposed a model trip in October. Wright asked for comments. **FPOM was reasonably willing to test something this summer but wanted a commitment to a model trip in October.** van Dyke would like to see a flat pattern. He will send comments to Wright.

## 2. Action Items

- 2.1. NWW Action Items
  - 2.1.1. [Jul 15] 15 LWG 015 Fish Barge Schedule Change. **ACTION:** Wright will work with Bailey to get the FPP language changed to a date range so this will not be an issue in future years.
  - 2.1.2. [Jun 15] Doble testing will take LWG out for a week (10 – 14 August 2015). Hevlin suggested closing the RSW and going to a uniform patten during that week. This should be better attraction to the entrances. Unit 5 will be at speed no load. FPOM was in agreement with this. **ACTION:** FPOM was in agreement with this but will also review the spill pattern with no TSW and modify if needed due to limited flow from the powerhouse (5 kcfs) to make sure they agree with this action. **STATUS:** *FPOM still agrees with this action. Still need a spill pattern at low flows. Kiefer asked if going to the flat pattern helped at LWG. Moody said he doesn't have the counts but he will tomorrow. Fredricks reported that shad counts doubled.*

## 2.2. NWP Action Items.

- 2.2.1. [Jul 15] Video counting. **ACTION:** Wertheimer will show video and provide a list of stations where video could go now.
- 2.2.2. [Jul 15] Lamprey morts. **ACTION:** Fredricks will send Skalicky his previous summary of lamprey morts from recent years. **STATUS:** completed on 9 July.
- 2.2.3. [Jul 15] BON ITS gates. **ACTION:** Hausmann will conduct the test of dropping 1A to 68' and leaving 1B at 70'.
- 2.2.4. [Jun 15] TDA adult flows. **ACTION:** Mackey will schedule a separate meeting to further discuss this issue after the UI report is available and reviewed.
- 2.2.5. [Jun 15] B-Branch north entrance gate repair. **ACTION:** Hausmann will write this up in a MOC. **STATUS:** *will be sent on 9 July in the afternoon.*
- 2.2.6. [Jun 15] 15BON02 T11 and T12 outages. No change. Bettin pointed out this hasn't been entered into the generation outage file yet. **ACTION:** Hausmann will follow up. **STATUS:** *completed.*
- 2.2.7. [Mar 15] BON split flows. Additional trigger to operate more units at PH1. **ACTION:** Fredricks requested Hausmann get something on paper and he will review it when he gets back in town. **STATUS:** *Fredricks provided a memo (2015 7-9 BON Split Flow Change Form) updating language to allow BON Fisheries more flexibility to split water as needed after 31 August. Fredricks would like to see this change form approved prior to September. Bettin noted the turbine unit operations specifications (mid to upper or mid to lower) language can be removed since the BON Ops change form was approved last year. This language just hadn't been updated at the same time the BON Ops change form was included. Van Dyke expressed concerns about removing protections for juveniles during this time of year. This change form will be on the August agenda for approval.*
- 2.2.8. [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. **STATUS:** Rerecich sent the AAR to the TG. Report is near completion and will be sent to FFDRWG when final. NOAA provided comments during the FPOM subcommittee review and the PDT addressed comments by updating the report.

## 3. Updates

### 3.1. NWW Updates.

- 3.1.1. Upcoming maintenance/construction/research activities. NWW provided a calendar of outages. Updated calendar provided. No major changes to discuss. Lorz asked about the bridge crane work at LWG. Bettin offered some additional editorial suggestions.
- 3.1.2. MCN log bronc. Bailey said there is nothing to report. The log bronc hasn't arrived yet but there is minimal debris.
- 3.1.3. LWG Rental pump update. Moody reported they are operating. This morphed into a discussion about sockeye passage at LWG. **ACTION:** Setter will have fish counts and temperatures available for the conference call on 10 July. Pinney said the water temp is still 68F in the tailrace. TDG decreased but temps were not dropping much. Shad, sockeye, and Chinook all pulsed about 15:00. At night there were shad and Chinook that moved downstream. van Dyke asked if any steelhead have been seen. Fredricks said there are only a few steelhead moving. FPOM was not prepared to talk about operating Unit 1 today. There is a conference call on Friday and this will be discussed more thoroughly then. However, that didn't stop many of the group

from further discussing this issue. Hevlin made the point that saving Redfish Lake sockeye is in everyone's job description. Lorz had concerns about cutting spill in half by operating Unit 1. Skalicky asked about the operation of the RSW. van Dyke suggested we are moving towards the power emergency operations. Despite multiple people saying that this will be discussed thoroughly tomorrow, FPOM decided it was worth spending more time discussing this issue, even though it was made clear that no decision would be made at the FPOM meeting today. It was made very clear that a change would be a hit on juveniles. Baus asked why we aren't talking about a hit to adults. Lorz pointed out that if IDFG isn't ready to start trap and haul, then this whole conversation is for naught. Hevlin said NOAA is working with IDFG to get concurrence for trap and haul. The issue of trapping at Ice Harbor came up but some had concerns for UCR sockeye straying into the trap. Kiefer said IDFG does genetic analysis on every sockeye and will do it on every adult that is trapped and hauled. The Ice Harbor Dam adult trap can only handle a few fish at a time. Fone said the temps are up to 77.5F in the ladder at IHR. Pinney said operating a trap at temps above 70F is risky. Skalicky asked how low in the system do we need to go to get decent trapping conditions. Wertheimer said FFU might be able to assist with trapping upriver if needed. Weekend switches of operations require special considerations. Bettin suggested working on the permit for IHR at the same time that we work on LWG.

- 3.1.4.** LWG JFF sunshades temperature data. Trachtenbarg talked through the powerpoint. The powerpoint is available on the FPOM website. The direct sun hits the ladder from about noon to 15:00 during the early to mid-afternoon depending on location. The area around the count window becomes shaded earlier in the afternoon than the lower ladder area. Bettin asked if there is any correlation between passage and sunlight on the ladder. Hevlin would like to see the sun shades removed. Lorz would like to see the shades left in for now. Lorz asked if it is a detriment to leave the shades in place. If there isn't a detriment, why would we bother? He said conversion rates for the spring were great but summer rates are not as good. Trachtenbarg reminded everyone that the sun shades were installed to provide some reduction in rapid shadowing effects associated with protection from the current JBS construction activity—per NOAA's request. However Hevlin doesn't believe the shading the ladder from construction activities is necessary any longer ~~Since the activity is no longer an issue, the~~ and the discussion regarding their purpose of them is now evolving. Moody asked if the shades wear out, do we have to replace them or do we remove them. Fredricks ~~said not to mess~~ suggested not messing with the ladder at this time; wait until the sockeye run is over and before fall Chinook start showing up. **FPOM did agree that if the shades fail, the failed panels should be removed and not replaced. Full FPOM consensus is that full removal can occur this winter.** ~~Waiting~~ Removing the shades or ~~Waiting~~ until winter will is not anticipated to cost NWW more money.

### 3.2. NWP Updates

- 3.2.1.** Upcoming maintenance/construction/research activities. Includes already coordinated MOCs.
- 3.2.1.1.** 15BON02 T11 and T12 outages. No change.
  - 3.2.1.2.** 14BON83 WS Fish View Building roof. Completion date pushed to 31 August.
  - 3.2.1.3.** 14BON84 ITS end gate and WG1. Still on schedule for the first week of August.

- 3.2.2. TDA spill bay 9 trunnion pin. Currently not making much progress for FY15. The assessment will get started but not completed.
- 3.2.3. TDA ITS ogee modifications. The ice trash sluiceway outfall consist of ~15' drop as it exits the powerhouse into Westrick Park. This waterfall creates spray across the roadway and icy conditions in the winter. One proposal to reduce spray is to create an ogee crest, illustrated by the area in black. **FPOM was highly supportive of this modification.** Fredricks said there will be impacts on fish passage but he expects them to be positive impacts. There will need to be a hydraulic evaluation and maybe some CFD modeling to make sure flows do what is expected. Wertheimer asked if PIT tag detection could be included. Bettin suggested this would be the fastest reader ever. ~~Fredricks noted that PIT would not be required.~~ ~~[GF1]~~ **FPOM recommended this go to FFDRWG for further evaluation.**



- 3.2.4. JDA orifice gates. *As promised at the last meeting, the WO has been created to inspect the orifice-shaft connection when a turbine is dewatered for 5 year overhaul. It will take a few years to catch with all 16 JD MU (Main Units) up but it is a considerable improvement over the status quo. MU 12 will be the first, starting in early July. This is big job since the JD maintenance personnel needs to be lowered into a gate well in a man basket; it will take almost a full day to unbolt and then reinstall the large cover-plates involved. After the cover plates are removed for an inspection (above,) JD Mechanical crew will install an in-house designed true indicator of the orifice position. Conceptually, it will be a thin, steel rod welded to the orifice gate and then routed alongside of its operating shaft to just clear the water surface of a gate well. This experimental concept will be designed/installed at MU12 three orifices for one year long test. It will be implemented at all 48 orifices if the prototype works well during this trial period.* **FPOM suggested inspecting the orifice light tubes to ensure flow is moving through the orifices.** ~~[GF2]~~
- 3.2.5. JDA SMF mortality. *Regarding the high mortality rate at JD SMF, JD Project performed an additional STS camera inspection on 7/1 (pervious inspection was performed just two weeks earlier, per monthly schedule.) Two bad STSs were found in MU4 that day; they were due to the plastic rivets not holding the rotating mesh properly in place (falling out.) The two failed STSs were replaced with working spares the same day and I hope that the mortality rate declines tomorrow. K. Lujan ~~is~~ **has** collected morts **at JD** for analysis. Lujan suggested there may be brain trauma but no external signs of injury. This happened with the auto tagging trailers before.*
- 3.2.5.1. Skalicky asked if Lujan can show up at MCN to get a bucket of dead fish on 10 July. Moody said Lujan will need to get permission first. The approval letter is waiting for signature.
- 3.2.6. JDA-N AWS pumps.

3.2.7. BON ITS gates. Hausmann reported that gates 1A and 1B were dropped to 68' but too much water filled the channel. They gates were returned to their 70' position. Fredricks asked if 1A might be dropped to 68' and 1B left at 70'. If that still backs up the channel then we go back to both at 70'. Hausmann said they could test that. **ACTION: Hausmann will conduct the test of dropping 1A to 68' and leaving 1B at 70'.**

3.2.8. BON minimum spill. Fredricks started the conversation. He said looking at the ~~spill~~-priorityPower Emergency Protocol list, there is concern about how to back BON down on spill. For the longest time 50 kcfs has been the default lowest spill during spill season. In 2010 this issue was discussed briefly but due to an increase in flows, the work was shelved. Now FPOM needs to re-visit the 2010 discussion and come to resolution as to what the lowest fish spill at BON should be. Fredricks would like to see Laurie Ebner included in the discussion. This is a new Task Group. Bettin stressed that the reason for going to minimum spill may be a result of low flows and NOT due to a power emergency.

3.2.8.1. Van Dyke asked about the spill priority[GF3] list and how it works. He suggested it might be nice to have some clarity as to how the list will be used. Bettin said it is hard to provide clarity because it depends on what the problem is that needs fixed. Bettin explained that BPA does everything they can before cutting into fish spill. He explained how power emergencies are declared and the steps taken to correct the problem.

3.2.8.2. Lorz asked about the guidance to go to mass transport on the Snake River. Will NWW get a barge if that needs to occur for more than a day or two? Bailey said there are two barges in service between LWG and BON. Barging usually concludes in mid-August. The barges are normally parked at LWG but to get a tug the contract would need to be modified. Trucks may provide enough capacity in late August due to the low number of fish typically seen at that time of year. This will be carried over to the August FPOM meeting.

3.3. 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)

3.3.1. NWP FFDRWG met on 18 June. On 23 June, the BON JMF switchgate went to bypass for approximately 1 hour[GF4] at 1300; this was to facilitate collection of PIT tags from the sump upstream of the separator bar area.

3.4. 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	27.5	28.5	27.5	28.5
MCN	135.1	133	143	143
BON	134.5	125	138	138

3.5. Lamprey updates. (Zorich)

3.5.1. JDA-N submersible pumps. Pump went out on 24 June. JDA is replacing the pump.

3.5.2. Lamprey night counts. Seeing negative night counts. Likely recycling of fish moving passed count window uncounted and then falling back down. Zorich doesn't have a good answer but he has been doing a lot of research. There have been similar reports of negative counts. UI has found similar results in their research. Zorich said lamprey counts are difficult during the day or night but they are especially difficult at night.

- 3.5.3. CI AWS picket lead morts. Trapping has started to move fish out of this dead end. The suspected entry point into the AWS has been located but can't be addressed until winter maintenance.
- 3.5.4. BI crowder morts. The leads were reduced last year so fish may not be able to exit the area. Monitoring will continue.
- 3.5.5. Skalicky asked about the mort numbers in 2015 compared to past years. Fredricks noted that two years ago there were high numbers of morts. He also said there are areas in the AFF that could be made more lamprey friendly. Tackley and Zorich are working potential solutions through the Lamprey Working Group. **ACTION:** Fredricks will send Skalicky his previous summary of lamprey morts from recent years. [GF5]
- 3.6. Pinniped Update. van der Leeuw reported on sea lions that made it upstream into the forebay of BON. Six new sea lions were observed upstream of BON during 2015. This is in addition to the two that have taken up residence above BON in Bonneville Pool and have been there for multiple years. Only one of the six has been seen regularly and he is using the trap that ODFW placed into the forebay in late May ODFW trap. Two or three sea lions were seen moving downstream by navlock operators on 8 March. C049 has been observed using the forebay trap was seen upstream. U3222 was trapped in the forebay by ODFW and then released on the Oregon coast on 4 June moved to the coast. U625 has been seen upstream in the past few weeks. ODFW will deploy traps later in plans to trap in the forebay in August.
- 3.7. Avian. Boat sharing between TDA and JDA was somewhat successful. Hazers were unable to exit the boat and haze from the rock islands. Fredricks said he has heard reports of birds getting under the wires throughout the Basin.
- 3.8. Critical Infrastructure. Schedule a meeting in August. NWP and NWW would be split. Skalicky said he didn't know what this agenda item was. Fredricks explained the history of this agenda item. It's to provide input on how NWW and NWP consider funding fish facility components. We will start with a NWP project first, specifically TDA.
- 3.9. BPA updates. No updates at this time.

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

- 4.1. 15BON12 MFR AFF lamprey mort.
- 4.2. 15BON13 MFR WS Chinook jack mort.
- 4.3. 15BON14 MFR AFF lamprey mort.
- 4.4. 15BON15 MFR BI LPS mort.
- 4.5. 15BON16 MFR WS lamprey and sockeye morts.
- 4.6. 15BON17 MFR CI lamprey mort.
- 4.7. 15BON18 MFR AFF Chinook mort.
- 4.8. 15BON19 MFR CI lamprey mort.
- 4.9. 15BON20 MFR AFF lamprey and salmonid morts.
- 4.10. 15BON21 MFR AFF sockeye and lamprey morts.
- 4.11. 15BON22 MFR AFF lamprey, sockeye, and Chinook morts.
- 4.12. 15BON24 MFR AFF lamprey mort.
- 4.13. 15BON25 MFR AFF lamprey and sockeye morts.
- 4.14. 15BON26 MFR AFF lamprey morts.
- 4.15. 15BON27 MFR BI lamprey morts.
- 4.16. 15BON28 MFR WS FV6-9 sockeye mort.
- 4.17. 15BON29 MFR CI lamprey mort.
- 4.18. 15BON30 MFR WA LPS grating mort.
- 4.19. 15BON31 MFR AFF lamprey and sockeye morts.
- 4.20. 15BON32 MFR AFF lamprey, sockeye, and Chinook morts.
- 4.21. 15BON33 MFR CI lamprey mort.

- 4.22. 15BON34 MFR WA Shore sockeye mort.
- 4.23. 15BON35 MFR BI crowder lamprey mort.
- 4.24. 15BON36 MFR AFF lamprey sockeye mort.
- 4.25. 15BON37MFR WS FV6-9 lamprey mort.
- 4.26. 15BON38 MFR AFF lamprey and sockeye mort.
- 4.27. 15BON39 MFR BON PH2 gatwell sturgeon mort.
- 4.28. 15BON40 MFR AFF lamprey mort.
- 4.29. 15BON41 U18 outage. *Approved.*
- 4.30. 15TDA08 transformer installation. *Pending.* FPOM asked if it would be possible to switch T1 and T7 to reduce the chance of losing the fish units (able to run on TA or T1) during fish passage season. T1 is water cooled and has the most issues right now. The PDT has greatest concern about T1 and is reluctant to delay starting this one. FPOM asked if there is a way to provide redundancy for TA while T1 is out of service, in the event that TA fails before T1 returns. Bettin asked about using the back-up AWS if TA were to fail while T1 is OOS.
- 4.31. 15TDA09 CO2 rehab. *Pending.* Lorz gave a tentative okey-dokey.
- 4.32. 15 LMN 02 Transformer Maintenance and Testing. *Approved in June.*
- 4.33. 15 LMN 03 Transformer Grounding Disconnect Switch. *Pending.* Requires 100% spill. Bettin asked why this work cannot be combined with concurrent work. The Project will be offline for 36 hours total. Moody will find out if the switch can be isolated so the whole project doesn't have to be out.
- 4.34. 15 IHR 009 – Turbine unit priority during low flows. *Approved.*
- 4.35. 15 IHR 010 Turbine Unit Priority Change for Research Equipment Install/Removal. *Pending.* Wright said RCC needs to be kept informed so she can issue a teletype. Fone said units 3 and 4 would be available. Unit 3 is a fixed blade unit and can put out more power. Moody will check to see if Conder provided comments via email.
- 4.36. 15 LWG 015 Fish Barge Schedule Change. *Approved.* **ACTION: Wright will work with Bailey to get the FPP language changed to a date range so this will not be an issue in future years.**

5. **Fish Passage Plan:** The Current 2015 FPP is online at: <http://www.nwd-wc.usace.army.mil/tmt/documents/fpp/2015/index.html>.

- 5.1. Pending **Low Flow Spill Pattern** FPP change forms: FPOM expressed concerns about not having model data to evaluate the proposed changes. Hevlin proposed a model trip in October. Wright asked for comments. **FPOM was reasonably willing to test something this summer but wanted a commitment to a model trip in October.** van Dyke would like to see a flat pattern. He will send comments to Wright.
  - 5.1.1. 15IHR008 - Low Flow Spill Patterns.
  - 5.1.2. 15LMN004 - Low Flow Spill Patterns.
  - 5.1.3. 15LWG004 - Low Flow Spill Patterns.
- 5.2. Potential FPP change forms.
  - 5.2.1. BON split flows. Additional trigger to operate more units at PH1. Draft provided by Fredricks on 9 July 2015.
  - 5.2.2. 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.

6. **Task Group Updates.**

- 6.1. New Task Groups.
  - 6.1.1. BON minimum spill. (Fredricks and Lorz). Team members include: Bettin, Ebner, Hausmann, Mackey, Wright.

- 6.1.2.** Load Shaping Guidelines (Bettin). Team members include: Fredricks, Mackey, Wright. Bettin is still figuring out if he is allowed to edit Appendix C.
- 6.2.** Active Task Groups.
- 6.2.1.** TDA adult flows. (Cordie) <http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/Task%20Groups/Task%20Group%20TDA%20split%20flows/>
- 6.2.1.1.** Team members include: Bettin, Cordie, Fredricks, Lorz, Lut, Mackey, Rerecich, Skalicky, Wertheimer. **ACTION: Mackey will schedule a separate meeting to further discuss this issue after the UI report is available and reviewed.**
- 6.2.1.2.** Rerecich said there are three UI reports out for review and one of them is for TDA. The steelhead specific report will be out in September.
- 6.2.2.** Condition monitoring. (Lorz, Conder). <http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/Task%20Groups/Task%20Group%20Condition%20Monitoring/>
- 6.2.2.1.** Team members include: Benner, Bettin, Chockley, Fredricks, Mackey, Morrill, Setter.
- 6.2.2.2.** 11 June 2015 Task Group meeting. Attendees: Conder, Dehart, Fredricks, Lorz, Mackey, Martinson, Moody, Morrill, Setter, Skiles, van Dyke.
- 6.2.2.3.** Fredricks provided his 11 June memo detailing what he believes is the minimum condition monitoring needed. Fredricks stressed that he wants to establish the minimum condition monitoring at the projects, recognizing that the SMP index monitoring protocols may go above and beyond the minimum condition monitoring needs. He wants these protocols in the FPP so in the event SMP goes away or modifies their program, USACE still needs to meet minimum condition monitoring.
- 6.2.2.4.** Setter said the only place not reporting is IHR. She believes a contract would be the most efficient way of staffing IHR. Dehart said FPC could set IHR up with the program and protocols. LMN SMP/Blue Leaf is collecting IHR data right now.
- 6.2.2.5.** Dehart explained that FPC and Blue Leaf made arrangements so that Blue Leaf works under the supervision of FPC. This was needed since FPC holds the permit for fish handling at the projects. The group talked about funding and how money travels between BPA, USACE, and FPC. Setter said she is concerned that BPA likely won't pick up the transportation monitoring. Dehart said meshing the SMP with condition monitoring is possible but it takes time to work through all of the steps to set up changes in the BPA work plan and getting funding organized.
- 6.2.2.6.** Lorz provided a memo from FPC (will be sent out later this week). Fredricks said the next TG meeting can be put off for a bit.
- 6.2.3.** Adult counting. (Wertheimer and Moody)
- 6.2.3.1.** Video counting meeting scheduled for 9 July after FPOM. Attendees included Bailey, Fredricks, Graham, Grimstead, Lorz, Mackey, Moody, Morrill, Skalicky, Stewart, van Dyke, Walker, Wertheimer, Zorich

- 6.2.3.2. Wertheimer started off explaining the potential need to darken the count stations. He will have video showing the results of a darkened count station soon. He noted the difficulties with USACE computer security and bandwidth availability.
- 6.2.3.3. Fredricks expressed his concern about passage after October for most of the projects. Often there are requests to extend the winter maintenance season into November or into March but we do not have good passage numbers during those months. He would like to see counts during those months but without spending too much money. Automated video counting might be applicable during these months.
- 6.2.3.4. The group discussed the software capabilities. Graham offered some warning about implementing automated counting in some areas.
- 6.2.3.5. The group discussed the potential for year-round counting. This led to a discussion about how counts are not truly counts; they are an index of the numbers of fish passing the dam. Zorich suggested it may not be necessary to stress about improving count protocols since we are not working with absolute counts. Fredricks expressed concern about how people use the data without looking at the caveats for the counts for each year. The counts are not directly comparable between years due to the expansion factors.
- 6.2.3.6. Wertheimer talked about moving away from bright lights and using infra-red instead. Skalicky asked about delay. Fredricks said fish counting delays fish due to crowding, changes in light, and the windows.
- 6.2.3.7. Wertheimer needs to know what the fish managers need. Lorz said the current counting works but USACE can explore ways to do things cheaper. The counts in November and March are needed and maybe through the winter at several dams so we have these counts to make assessments of how O&M needs might impact fish passage.
- 6.2.3.8. Moody said there are stations in NWW where video could be tested. He said he wants to get the new contract going now and then modify later with the video counting.
- 6.2.3.9. **ACTION:** Wertheimer will show video and provide a list of stations where video could go now.
- 6.2.3.10. The future starts today! The task group was agreeable with the path forward.

**6.3. Task Groups that really want to be inactive but still have an Action Item.**

- 6.3.1. AFF mods (BON Fisheries). <http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/Task%20Groups/Task%20Group%20BON%20AFF/>

- 6.3.1.1. Team members include: Benner, Fredricks, Lorz, Mackey, Meyer, Rerecich, Royer, and Whiteaker. **This task group may go to inactive status AFTER an after action report is provided to FPOM.**  
**ACTION:** Rerecich and Hausmann will collaborate.