

AGENDA

Fish Passage O&M Coordination (FPOM) Team
Bonneville Dam Auditorium
August 14, 2008 (0900-1300)
Call in #503-808-5199, passcode is 2580

1. Review/Approve Agenda and June and July Minutes (Klatte)
2. Action Items (Klatte)
 - 2.1. [long time ago] BON PH1 Grizzlies. **ACTION:** Hausmann will investigate options for modifying the PH1 draft tube drains.
 - 2.2. [Jun 08] BON FOG lifting beam status. **ACTION:** Hausmann will inquire about completion time and send to FPOM.
 - 2.3. [Jul 08] BON spillway drilling. **ACTION:** Schwartz to follow up with Don Erickson.
 - 2.4. [Jul 08] BON spill patterns with Bay 15 closed. **ACTION:** Schwartz and Lee will get a memo discussing the GDACS patterns to FPOM by 15 July.
 - 2.5. [Jul 08] BON spill patterns with Bay 15 closed. **ACTION:** Fredricks will talk with Paul Wagner about getting BON higher on the spill priority list.
 - 2.6. [Jul 08] AFF trapping protocols when water temperatures reach 70°F. **ACTION:** CRITFC will look PIT tag data for travel time from the AFF to BO3.
 - 2.7. [Jul 08] Water Quality ad-hoc committee. **ACTION:** Klatte will convene the meeting to discuss water quality testing protocols and needs.
 - 2.8. [Jul 08] McNary dewatering screen monitoring. **ACTION:** Swenson will put together a memo detailing the recommendation.
 - 2.9. [Jul 08] LGS back flushing of orifices. **ACTION:** Hevlin will meet with NWW to discuss options. He will present findings and report to FPOM in September.
 - 2.10. [Jul 08] FPC descaling criteria. **ACTION:** Benner to check on status of FPC memo. It'll include all the information requested by FPOM such as descaling criteria and determination; need a central SMP brain, which should be FPC; and reporting criteria.
 - 2.11. [Jul 08] FPC coordination actions. **ACTION:** Mackey to develop alternative POC list.
 - 2.12. [long time ago] Switchgate seals at BON and JDA. **ACTION:** JDA will move forward with the airbladder seals. NOAA worries about fish being able to access areas under the gate. BON will continue moving forward with reducing leakage around and under the gate. **STATUS:** *JDA has turned the task over to the small projects team at RDP.*
 - 2.13. [Jun 08] JDA PIT tag detection in the SMF bypass flume. **ACTION:** JDA Project will establish criteria for shutting down the facility. Cordie will get final approval for leaving the flume running until 30 November. **STATUS:** *Cordie sent the following plan for operating through 30 November.*
 - 2.13.1. Winterize all flush water plumbing and maintain flume flow only Nov 1-30
 - 2.13.2. Switch gate open to river Sept15-Nov30 (no flow from switch gate to building)
 - 2.13.3. Re energize flush water prior to dewatering entire facility on Nov 30
 - 2.13.4. Provide 16hr/day staffing Sept 15-Nov30
 - 2.13.5. Maintain updated forecast and shut down ASAP as needed (~<25F)
 - 2.13.6. Forecast staffing for shutdown as needed (requires 6 people)
 - 2.13.7. Shut down mon-thur to assure maintenance staff available
 - 2.13.8. Routine winter maintenance on SMF from crest gate down Nov 30 - Mar 30
 - 2.14. [Jul 08] Jack length. WDFW recommends two criteria for determining jacks, one measurement for Spring chinook and one for Fall chinook. **ACTION:** Fryer will look at jack length and come up with a sensible recommendation. **STATUS:** *Fryer sent the memo on 25 July. It is attached to the agenda.*

- 2.15. [May 08] NWW fish release site at BON. **ACTION:** Dykstra will draft up the SOP for draining the flushing water line after each fish release. The flushing will be done by the truck drivers. **STATUS: To be discussed under agenda item #7.**
- 2.16. [May 08] TDA grating replacement. **ACTION:** Cordie will look at the cost of water chemistry testing. **STATUS: to be discussed under agenda item #8.**
- 2.17. [Jul 08] JDA MU1 annual maintenance. **ACTION:** Cordie will need to look at the 2004-2007 passage numbers in October by JDA. Cordie will prepare a memo and send that to FPOM. **STATUS: To be discussed under agenda item #10.**
- 2.18. [Jul 08] FPC descaling criteria. **ACTION:** Moody and Dykstra will review the reporting requirements in the SMP contract. They will take action to make sure the injuries are accurately reported in the SMP and USACE reports. They will report back at the August FPOM. **STATUS: To be discussed under agenda item #15.**

3. **Updates.** (Klatte/Dykstra)

- 3.1. BON Main Dam bay 15.
- 3.2. NWP ROV inspections. **BON-8/25**, TDA- 8/5, JDA- 8/6
- 3.3. Water temps and sampling. Update on how each facility is operating.
- 3.4. BON returned to non-shad passage mode early. Due to limiting factors regarding personnel and workload, BON was unable to send out a written request for coordinating the return to non-shad passage mode in the ladders. There are very low numbers of shad passing the dam. BON maintenance crews were extremely efficient and got the change over complete faster than expected.
- 3.5. MCN fish pump #3 update.
- 3.6. IHR TSW vibration monitoring sensor installation.
- 3.7. BLH Kaplan blade study. Rod Wittinger did a briefing at the Spring NWW FFDRWG. The report details what will happen with each BLH Kaplan unit (units 1-3 at LMN, LGO, and LGR, and all units at JDA) if we have a linkage failure. If the linkage fails it means the turbine blades cannot adjust. Options are to weld the blades at a specific position and operate it as a fixed bladed unit or repair back to a Kaplan. The 60% review will be ready next week.

4. **BON Bradford Island fish crowder issues. (Rerecich)** There is a metal strip coming off the crowder frame. It has the potential to be an impediment to fish passage.

5. **BON junction pool transformer pad.** A new transformer pad needs to be poured at the A/B branch junction pool. The work will occur ASAP and within 20'-30' of the fishway. The contractor needs to know what limitations there may be to performing the work. The proposal is attached to the agenda.

6. **BON PH1 ITS construction. (Schwartz)** Discussion of the dewatering date for the ITS and installation of the STSs and VBSs at PH1.

7. **Fish truck release site SOP. (ppt by Bailey)**

8. **Water Quality testing results. (Cordie)**

9. **JDA fish turbine outages on 8/6 and 8/7.**

10. **JDA Main Unit 1 outage.** Upon review of the January 2008 FPOM minutes, it turns out this outage was already coordinated. The Project would like to move forward with the previously coordinated outage plan. The original request, in January, was to take units 1, 3, 4, 5 out two

at a time starting in August. Project Fisheries recommended scheduling U1 OOS ONLY if U2 can remain in service with no 100MW soft constraint. They cited FPP JDA-22 “U2 will replace U1 when not operating”. **FPOM didn’t approve taking the units out in pairs but they did recommend the Project keep five units running and take one unit out at a time starting in August.**

11. JDA SMF PDS stand pipe sensor installation. Cordie will update the group on the issue, the proposed new location and the timeline.

12. MCN fish incident.

13. MCN fish ladder winter maintenance work.

14. Date change for MCN T1/ 500KV work.

15. FPC/SMP reporting changes. Dykstra would like to discuss proposed changes made in injury reporting with Walla Walla District project fish biologists and state SMP personnel.

16. Non-native fish issues. (Cordie)

17. Task Group updates

17.1. Fishway velocity (*Chair-Cordie, Fredricks, Lorz, Meyer, Mackey*). Meeting from 1200-1230 on 14 August.

17.2. Lamprey (*Chair-Cordie, Clugston, Dykstra, Lorz, Mackey, Meyer, Moody, Moser, Peery, Rerecich, Zyndol*)

17.3. PH2 VBSs (*Chair- Hausmann, Benner, Fredricks, Klatter, Lorz, Mackey, Meyer, Wills*). Meeting from 1230- 1300 on 14 August.

17.4. Pinnipeds (*Chair-Stansell, Bettin, Benner, Brown, Fredricks, Hausmann, Kruger, Stephenson, Richards, Wills*)

17.5. TIES (*Chair-Klatte, Bettin, Benner, Fredricks, Kruger, Mackey, Schwartz, Wills*)

17.6. Water Quality (*Chair- Klatte*)

18. Water forecast. www.nwrfc.noaa.gov/water_supply/ws_fcst.cgi

19. FPP proposed changes.

19.1. BON sturgeon language. (incorporates changes from May 2008 mtg)

19.2. BON 2.4.2.2.n.1 relocation.

19.3. TDA and JDA velocity measurement language.

19.4. Appendix G- BON protocols section 4.2. (incorporates changes from July 2008 mtg)

19.5. Appendix G- BON protocols for holding lamprey.

19.6. Appendix G- BON protocols for trapping lamprey at water temps of 70°-72°F.

19.7. BON shad passage mode criteria.

19.8. Appendix A- increasing the 72 hour heat run time.

20. Other

21. Next Meeting- September 11th at NOAA.

**O'Neill Electric Proposal for Transformer Pad Work
Within 20 ft. of Bonneville Dam Bradford Island
A/B Fish Ladder**

--Proposal Date 7/29/08

- (1) Saw cut asphalt around perimeter of site of new 7'6" x 7'6" concrete pad for a 13.8kV/2.4kV transformer. Cut shall extend at least 16" beyond the footprint of the new concrete pad. The saw cut will come within approx. 18 ft. to 19 ft. of the Bradford Island A/B Fish Ladder. The pad site is below and to the north the main roadway bridge crossing the A/B Fish Ladder near the Bradford Island Visitors' Center. The Contractor shall peel off and remove the underlying asphalt materials after the cut. Contractor shall then remove the underlying soil materials to a depth of at least 12". Time estimate for this work is one 10 hr shift.
- (2) Fill the resulting hole from above activity with leveling coarse material. Use a plate compactor to prepare the fill material for the new transformer pad. Time estimate for this work is one 10 hr shift.
- (3) Form re-bar for the concrete pad and put concrete forms in place. Time estimate for this work is one 10 hr shift.
- (4) Concrete pour for the new transformer pad which will be approximately 18" to 24" in thickness for the 7'6" x 7'6" pad footprint. Thickness will vary because of ground slope. Time estimate for this work is one 10 hr shift.
- (5) After concrete pad has cured and forms are removed, exposed area around the pad shall be repaired with hot patch asphalt. Time estimate for this work is 5 hrs.

July 24, 2008

MEMORANDUM

To: FPOM

From: Jeff Fryer, CRITFC

Re: Criteria for determining jacks

Based on our sampling at the Bonneville Dam Adult Fish Facility since 1987, it appears that 59.0 cm (22.23") may be the best cutoff length for designating jacks at adult fish viewing windows. To determine this, I compiled all data for Chinook sampled and tested various lengths between 55.0 and 61.5 cm to differentiate jacks by length and compared to that actually estimated using scales. I then computed the percentage correctly aged as the number of Age 0.1, 0.2, 1.1, and 1.2 fish correctly aged using length divided by the total number of fish of those age classes sampled. Results of this analysis are in Table 1, with the highest percentages for each year highlighted. The next to last row gives the mean percentage misclassified over all years. The final row gives the total number of years that that particular length was optimum. For both of these statistics, the optimum was 59.0 cm. However, the mean percentage misclassified varied by less than one percentage point between 56.5 and 61.0 cm.

I ran a similar analysis for only spring Chinook (defined as passing Bonneville Dam prior to June 1) and came up with 60.0 cm (23.6") as being optimum in the largest number of years, but 59.5 (23.4") as the lowest mean percentage misclassified over all years. The mean percentage misclassified varied by less than half of one percentage point between 56.0 and 61.0 cm.

In interpreting this data, note that the measuring we are doing is likely to yield different measurements than that estimated by fish counters at mainstem dams. Our measurements likely slightly underestimate fish length because we do not put the fish flat on a measuring board. Rather, we hold the fish against the side of the tank and look at a ruler located flat on the top of the tank. It is likely that the fish sag slightly (particularly large fish), resulting in our measurements being biased low. Even for sockeye, which are typically smaller than Chinook jacks, we find that fish length estimated at the Bonneville Dam AFF is typically 0.5-1.5 cm less than that measured at Wells and Tumwater dams where the fish are placed on measuring boards. Some of this may be attributable to the elongated snout that male sockeye get as they mature, however I suspect that some is also attributable to measurement error at Bonneville Dam.

Visual estimation of length at mainstem dam fish viewing windows also presents problems. The further away from the window the fish is, the smaller it is going to look relative to the reference lines attached to the window. Also, a fish at an angle not parallel to the viewing window is going to look smaller. Therefore, the number of jacks is likely to be overestimated by visual counts.

In summary, both the visual estimate and our estimate are likely underestimating the length of fish by varying degrees. This suggests that setting a length even larger than that suggested by our data may result in a better jack estimate using visual counts. However, the difference in jack estimates based on setting a length (as measured at the AFF) anywhere between 56.0 cm and 61.0 cm is small.

Table 1. Percentage of Chinook salmon correctly classified by length, with the minimum length to be considered a two ocean fish varying between 55.0 and 61.5 cm, by year (1987-2007). (Note that summer Chinook sampling did not begin until 1990 and fall Chinook sampling did not begin until 1997.)

Year	Lower length limit (cm) for designation as two-ocean fish													
	55.0	55.5	56.0	56.5	57.0	57.5	58.0	58.5	59.0	59.5	60.0	60.5	61.0	61.5
1987	93.8%	93.8%	95.4%	96.9%	96.9%	96.9%	96.9%	96.9%	96.9%	98.5%	98.5%	96.9%	95.4%	95.4%
1988	95.8%	96.6%	97.9%	96.6%	95.8%	95.0%	94.5%	95.0%	95.7%	95.4%	95.4%	95.4%	95.4%	95.0%
1989	98.1%	98.1%	98.1%	98.1%	98.1%	98.1%	98.3%	98.5%	99.0%	98.5%	98.1%	98.1%	98.1%	97.6%
1990	98.1%	98.3%	98.5%	98.3%	98.3%	97.9%	97.8%	97.6%	98.4%	97.5%	97.5%	97.2%	97.0%	96.7%
1991	92.2%	93.1%	93.1%	94.0%	94.3%	94.9%	94.6%	94.9%	95.0%	94.9%	95.2%	94.9%	95.2%	94.6%
1992	97.7%	98.1%	98.1%	98.7%	98.7%	98.9%	99.0%	99.0%	98.8%	98.5%	98.1%	97.7%	97.9%	97.5%
1993	97.0%	97.0%	97.0%	97.7%	97.7%	98.0%	97.5%	97.3%	97.8%	96.8%	96.8%	96.6%	96.6%	95.9%
1994	98.1%	98.1%	98.1%	98.1%	98.1%	98.1%	98.3%	98.3%	98.5%	97.8%	97.4%	97.4%	96.6%	96.6%
1995	92.7%	93.1%	94.2%	94.4%	94.6%	94.8%	95.1%	95.1%	95.2%	95.7%	95.9%	96.4%	96.4%	96.4%
1996	97.3%	97.3%	97.6%	98.0%	98.1%	98.1%	98.3%	98.4%	98.8%	98.6%	98.8%	99.0%	98.7%	98.7%
1997	98.5%	98.5%	98.5%	98.5%	98.7%	98.7%	98.8%	98.5%	99.2%	98.6%	98.7%	98.6%	98.4%	98.3%
1998	95.7%	96.1%	96.3%	96.0%	95.7%	95.7%	94.9%	94.6%	96.3%	94.8%	94.9%	94.2%	94.2%	93.6%
1999	94.3%	95.1%	95.4%	96.2%	96.4%	96.8%	97.1%	97.3%	97.8%	97.7%	97.8%	98.1%	98.0%	97.9%
2000	92.7%	93.6%	94.1%	95.0%	95.2%	95.9%	95.8%	96.7%	97.6%	97.1%	97.0%	96.9%	96.7%	96.3%
2001	94.1%	94.8%	94.8%	95.7%	96.1%	96.3%	96.4%	96.7%	96.6%	97.1%	97.0%	97.1%	97.2%	96.8%
2002	96.9%	96.8%	96.6%	97.1%	97.1%	97.0%	96.9%	96.7%	98.0%	96.4%	96.3%	96.1%	95.8%	95.5%
2003	92.9%	93.3%	93.8%	93.9%	94.8%	95.2%	95.4%	96.3%	97.0%	95.8%	95.5%	95.8%	96.0%	95.8%
2004	93.7%	93.9%	94.3%	94.4%	94.2%	94.7%	94.8%	95.1%	95.9%	94.8%	94.5%	94.0%	93.7%	92.9%
2005	98.4%	98.5%	98.4%	98.5%	98.6%	98.5%	98.5%	98.4%	98.9%	98.7%	98.6%	98.4%	98.2%	98.1%
2006	95.8%	95.9%	96.3%	96.5%	96.4%	96.8%	96.5%	96.6%	96.5%	96.3%	96.1%	95.9%	95.8%	95.6%
2007	86.0%	87.9%	88.5%	90.0%	90.3%	91.6%	92.0%	93.0%	93.7%	93.3%	93.7%	93.9%	93.6%	93.7%
Mean	95.2%	95.6%	95.9%	96.3%	96.4%	96.6%	96.5%	96.7%	97.2%	96.8%	96.8%	96.6%	96.4%	96.1%
Years optimum length	0	0	2	0	0	2	1	1	9	1	2	4	3	0

Table 2. Percentage of spring Chinook salmon correctly classified by length, with the minimum length to be considered a two ocean fish varying between 55.0 and 61.5 cm, by year (1987-2007)

	Lower length limit for designation as two-ocean fish												
	55.0	55.5	56.0	56.5	57.0	57.5	58.0	58.5	59.0	59.5	60.0	60.5	61.0
1987	93.8%	93.8%	95.4%	96.9%	96.9%	96.9%	96.9%	96.9%	96.9%	98.5%	98.5%	96.9%	95.4%
1988	95.8%	96.6%	97.9%	96.6%	95.8%	95.0%	94.5%	95.0%	95.4%	95.4%	95.4%	95.4%	95.4%
1989	98.1%	98.1%	98.1%	98.1%	98.1%	98.1%	98.3%	98.5%	98.8%	98.5%	98.1%	98.1%	98.1%
1990	98.5%	98.5%	98.7%	98.5%	98.5%	98.2%	98.0%	97.7%	97.6%	97.6%	97.2%	96.7%	96.6%
1991	95.5%	95.5%	95.5%	96.3%	95.9%	96.3%	95.9%	96.3%	96.3%	95.9%	96.3%	95.5%	95.5%
1992	98.5%	98.8%	98.8%	99.0%	99.0%	99.0%	99.3%	99.3%	99.3%	99.0%	99.0%	98.5%	98.8%
1993	97.6%	97.6%	97.3%	98.3%	98.6%	98.6%	98.6%	98.6%	99.0%	99.0%	99.0%	99.0%	99.0%
1994	99.0%	99.3%	99.7%	99.7%	99.7%	99.3%	99.3%	99.3%	99.0%	99.0%	98.4%	98.4%	97.0%
1995	96.1%	96.5%	97.4%	97.4%	98.1%	98.1%	98.4%	98.7%	98.4%	98.7%	98.7%	98.4%	98.4%
1996	98.9%	98.9%	99.2%	99.3%	99.2%	99.3%	99.3%	99.5%	99.5%	99.5%	99.5%	99.5%	99.3%
1997	99.7%	99.9%	99.9%	99.9%	100.0%	100.0%	100.0%	99.7%	99.7%	99.7%	99.7%	99.7%	99.6%
1998	98.3%	98.3%	99.0%	99.0%	99.0%	99.0%	99.0%	98.6%	98.6%	98.6%	98.6%	98.3%	98.6%
1999	98.5%	99.0%	99.2%	99.7%	99.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	99.9%
2000	98.2%	98.2%	98.5%	99.0%	99.0%	99.2%	99.3%	99.4%	99.6%	100.0%	100.0%	100.0%	100.0%
2001	98.0%	98.5%	98.6%	99.3%	99.5%	99.6%	99.5%	99.6%	99.6%	99.6%	99.6%	99.6%	99.6%
2002	99.5%	99.5%	99.5%	99.6%	99.6%	99.6%	99.6%	99.6%	99.8%	99.8%	99.8%	99.8%	99.8%
2003	97.3%	97.6%	98.5%	98.8%	99.1%	99.7%	99.4%	99.7%	98.8%	98.5%	98.2%	98.2%	98.2%
2004	98.1%	97.9%	97.9%	97.8%	97.9%	97.8%	97.8%	97.8%	97.6%	97.6%	97.1%	96.7%	96.6%
2005	99.1%	99.1%	99.1%	99.4%	99.6%	99.6%	99.6%	99.4%	99.6%	99.6%	99.4%	99.1%	99.1%
2006	99.1%	99.1%	99.3%	99.1%	99.1%	98.9%	98.4%	98.4%	98.4%	98.2%	98.2%	98.1%	98.1%
2007	93.3%	94.5%	94.9%	96.4%	96.7%	97.4%	97.2%	97.5%	97.4%	97.7%	97.8%	97.8%	97.7%
Mean	97.7%	97.9%	98.2%	98.5%	98.5%	98.6%	98.5%	98.6%	98.5%	98.6%	98.5%	98.3%	98.1%
Years													
Optimum													
Length	1	0	5	3	4	7	5	7	9	9	10	7	4



REPLY TO
ATTENTION OF:

DEPARTMENT OF THE ARMY
WALLA WALLA DISTRICT, CORPS OF ENGINEERS
201 NORTH THIRD AVENUE
WALLA WALLA WA 99362-1876

Office of Counsel

August 6, 2008

MEMORANDUM FOR

SUBJECT: Memorandum Concerning Fish Mortalities at McNary Dam

On the morning of August 4, McNary Dam Juvenile Fish Facility personnel discovered numerous juvenile fish mortalities in raceway 7. Nearly all of these fish were subyearling fall Chinook, but it is estimated less than 1% of these were fall Chinook listed under the Endangered Species Act. Upon investigation, approximately 175 fish were trapped in a 4" perforated PVC pipe located at the north upstream corner of the raceway. Apparently juvenile fish in raceway 7 would jump at the incoming water from the flume and became trapped inside the uncovered PVC pipe. The project personnel believe this cover was missing at the start of juvenile fish collection at McNary Dam, which began on July 16. The 175 fish mortalities accumulated between the beginning of collection and discovery of the situation on August 4. The perforated PVC pipe was covering a 2" diameter metal pipe that was periodically used in the past as a siphon for research purposes.

Background: At the juvenile transport collector projects (Lower Granite, Little Goose, Lower Monumental, and McNary Dam), raceways are used to hold collected fish before they are loaded for transport below Bonneville Dam. In 2008 at McNary Dam, the Technical Management Team (TMT) recommended initiation of transport beginning on July 16, as conditions were no longer "spring like." Fish collection began the afternoon of July 16 and the first fish were loaded and barged downstream on July 17. In accordance with the Fish Passage Plan (FPP), the Corps has been collecting fish every day and loading barges for transport every other day.

Estimated listed fish mortalities: Corps personnel have attempted to estimate the number of listed species mortalities. The Corps has referred to a memo from NMFS entitled "*Revised Estimation of Percentages for Listed Pacific Salmon and Steelhead Smolts Arriving at Various Locations in the Columbian River Basin in 2007.*" (John Ferguson, September 11, 2007).¹ From the information in this memo, the Corps has extrapolated an approximate estimate of the number of listed fish mortalities attributed to the situation at McNary Dam, and has determined that two listed Chinook were lost.

This number is below the mortality provided for in the Corps' juvenile transport permit.

¹ Since NMFS has not yet published the 2008 memo, the 2007 memo is the best available information on numbers of listed fish to be expected at any project.

CENWW-OC

SUBJECT: Memorandum Concerning Fish Mortalities Discovered at McNary Dam

Corrective Action: Project personnel have removed both the PVC pipe and metal pipe from raceway 7 so there is no longer a place for fish to become trapped. There is no similar siphon at any other project. The other raceways have been surveyed to confirm that fact and ensure that this problem will not reoccur.

FPP Change Forms

Change Request Number:

Date: April 16, 2008

Proposed by: Bonneville Project

Location of Change- BON 5.4.6-5.4.7 and BON 6.5.1-6.5.2 (sections re-numbered as required)

Proposed Change:

5.4.6. *From 1 December through 30 April, non-priority turbine units will not be voluntarily scheduled for extended outages. Priority units are 1, 10, 11, and 18.*

5.4.7. *From 1 December through 30 April, turbines which have been idle/out of service for more than 12 hours will be started by slow rolling the unit after manually tipping turbine blades from flat to steep back to flat.*

After including the two sections above as 6.5.1 and 6.5.2-

The current 6.5.2 will be re-numbered to 6.5.4. Add *“bottom tail logs should be placed first.”*

The current 6.5.3 will be re-numbered to 6.5.5. Add *“It is recommended adjacent units be operated to flush fish prior to placing tail logs in the unit to be OOS. It is also recommended that units located adjacent to OOS units not be voluntarily taken out of service until the adjacent units return to service.”*

Reason for Change: To better protect sturgeon in the draft tube and turbine environment.

Comments from others: FPOM doesn't want priority units OOS during fish passage season.

Change Request Number:

Date: 6/4/2008

Proposed by: Project Fisheries

Location of Change: BON-18 2.4.2.2.n.1

Proposed Change: 2.4.2.2.n.1 says “coordinate gateway cleaning with smolt monitoring personnel operating the downstream juvenile sampling facilities”. It should be moved to 2.4.2.2.m.3, which is the section on what to do when cleaning gateways.

Reason for Change:

2.4.2.2.n.1 is in the wrong location.

Change Request Number:

Date: 5/27/2008

Proposed by: The Dalles John Day Project

Location of Change- TDA 2.5.1.2.4 and JDA 2.5.1.2.a.4

Proposed Change: Omit from TD- ‘Water velocities will be measured at one location directly and monitored during fishway inspections to verify channels are operating within velocity criteria’.

Add to TD and JD – ‘Water velocities will be monitored weekly during as part of the fishway inspection program. Project biologist will determine method. Results will be provided in weekly status report. (JD did not have the same wording as TD)

Reason for Change: Discussion and resolution determined through FPOM velocity task group

Change Request Number:

Date: June 30, 2008

Proposed by: Tom Lorz CRITFC

Location of Change- FPP G-2, 4.2

Proposed Change: Change 4.2. *Sampling will be permitted 1-day per week from 0600- 1000 when water temperatures exceed 70°F to allow for mandatory steelhead sampling to Sampling will be permitted up to 4 days per week from 0600-1000 when water temperatures are between 70°F and 72°F.*

Reason for Change: To better meet the needs for data used by the US v Oregon parties and for the US/Canada Treaty fisheries groups in setting harvest limits and make management decisions. Currently large portions of the run are missed during these temperature outages making it difficult to estimate ocean abundance and stock specific escapements for fall Chinook for different critical population groups that drive decision by the harvest managers.

Comments from others: FPOM requested the hours be kept the same (0600-1000). An upper limit temperature needs to be added as well. This request doesn't include picket lead operation.

Final action: Mackey made the changes to the request. FPOM approved the increase in sample days at BON.

Change Request Number:

Date: 7/22/2008

Proposed by: Jon Rerecich

Location of Change- Appendix G BON AFF trapping protocols 2.3.

Anytime lamprey are held overnight in the AFF, researchers will notify Project Fisheries and the Control Room.

Proposed Change: Restrict holding times for lamprey to 48 hours.

Lamprey may be held up to 48 hours in the AFF. Researchers will notify Project Fisheries and the Control Room whenever lamprey are held.

Reason for Change: To minimize holding lamprey too long. In 2008 there was a mortality due to holding over a weekend.

Change Request Number:

Date: 7/22/2008

Proposed by: BON Fisheries

Location of Change- Appendix G BON AFF trapping protocols 4.

Trapping will not occur when fish ladder water temperatures meet or exceed 70°F as measured in the brail pool. The only exception is for US v Oregon requirements.

Proposed Change: Allow lamprey trapping when water temps are between 70°F and 72°F *Salmonid trapping will not occur when fish ladder water temperatures meet or exceed 70°F as measured in the brail pool. The only exception is for US v Oregon requirements and for nighttime lamprey trapping.*

Reason for Change: According to lamprey researchers, handling lamprey at the elevated temperatures does not seem to stress them as it does salmonids.

Change Request Number:

Date:8/6/08

Proposed by: BON Project Fisheries

Location of Change: BON Section 2.5.1.2.a

Maintain the water depth over fish ladder weirs at 1' +/- 0.1' during non-shad passage season (August 16 through May 14) and 1.3' +/- 0.1' during the shad passage season (May 15 through August 15).

Proposed Change: Remove the dates and adjust to shad passage mode based on the numbers of shad passing.












Maintain the water depth over fish ladder weirs at 1' +/- 0.1' during non-shad passage season (<5,000 shad per day) and 1.3' +/- 0.1' during the shad passage season (> or = to 5,000 shad per day).

Reason for Change: It makes more sense to base shad passage mode on shad numbers passing. It also makes BON criteria consistent with TDA shad criteria.

July 2008

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1 FPAC	2 TMT	3	 Independence Day	5
6	7 Pinniped Task Group	8 FPAC	9	10 FPOM Meeting- NOAA	11	12
13	14	15 FPAC	16 TMT	17 SCT	18	19
20	21	22 FPAC	23 TMT NWW FFDRWG	24 NWW FFDRWG	25	26
27	28	29 FPAC	30	31		

August 2008

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4	5 FPAC TDA ROV	6 TMT JDA ROV	7	8	9
10	11	12 FPAC AFEP pre-proposals sent out	13 TMT	14 FPOM- BON Velocity and VBS task groups	15	16
17	18	19 FPAC	20 TMT	21 SCT	22	23
24	25	26 FPAC AFEP pre-proposal review	27 TMT AFEP pre-proposal review	28 NWP – FFDRWG AFEP pre-proposal review	29	30
31 Spill Season ends						

September 2008

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1 Labor Day	2 FPAC B2CC closed.	3 TMT	4	5	6
7	8	9 FPAC	10 TMT	11 FPOM Meeting- NOAA	12 NWW FFDRWG	13
14	15	16 FPAC	17 TMT	18 SCT	19	20
21	22	23 FPAC AFEP pre-proposal comments due	24 TMT	25	26	27
28	29	30 FPAC				