

MEMORANDUM FOR THE RECORD

SUBJECT: **DRAFT** Meeting Minutes from the March 11, 2004 FPOM Meeting.

1. The meeting was held in RDP, Summit Room, from 0900 – 1230 hrs, and was attended by the following:

Steven Richards	WDFW	509.545.2050
Victor D. Albaladejo	WDFW	360.906.6745
Robert Stansell	COE-FFU	541.374.8801
Larry Beck	COE-FFU	541.374.8801
Wayne vanderNaald	ODFW	503.657-2000 x237
Miro Zyndol	COE-TD/JD	541.506.7823
David Wills	USFWS	360.696.7605
Paul Ocker	COE- NWW/D	509.527.7295
Dave Hurson	COE-NWW	509.527.7125
Tammy Mackey	COE-BON	541.374.4552
Tom Lorz	CRITFC	503.238.3574
Derek Fryer	COE-NWW	509.527.7280
Bill Hevlin	NOAA	503.230.5415
Rudd Turner	COE-NWD	503.808.3935
Larry Basham	FPC	503.230.4287
Scott Bettin	BPA	503.230.4513

2. The following handouts were provided:

- AGENDA, FISH PASSAGE O&M COORDINATION TEAM, PORTLAND DISTRICT OFFICE (RDP), SUMMIT ROOM, MARCH 11, 2004, 0900 – 1230.
- CENWP-OP-B, 11 March 2004, MEMORANDUM FOR: FPOM MEMBERS, SUBJECT: Bonneville Lock and Dam Fishway and Construction Activities Report for March 11, 2004 FPOM meeting.
- Date; March 11, 2004. Fish Passage Operation and Maintenance Meeting, The Dalles/John Day status.
- FISH PASSAGE O&M COORDINATION TEAM, Adult and Juvenile Fish Facilities Status Report, U.S. Army Corps of Engineers, Walla Walla District, March 11, 2004.
- FISH COUNT IMPROVEMENTS TASK GROUP MEETING: March 2, 2004.
- National Weather Service Northwest River Forecast Center, Product Display for Statistical Water Supply Forecast.

3. Action Item Update: I went through all the **ACTION** items from the February '04 DRAFT FPOM Meeting Minutes. This information will be detailed in the FAST document to come out separately.

- One item discussed was the Bon. Bays 1 and 18 adult attraction-spill issue. Dave Wills said FPAC made a proposal but the action agencies turned it down. I did not catch the details of the proposal in the notes.
- There was a discussion on RSW spill. FFDRWG agreed to operate the RSW. The question is how to blend this operation with normal spill operations. This still needs to be finalized in either FFDRWG (gas cap spill) or raised to IT forum. How do we incorporate research into operations?

4. Fishway Status: NWW (handout): Dave went through each item and explained the issue.

BON.: (handout): Tammy addressed the DSM1 (OOS), and DSM2 (in-service), and that the airburst system is being operated 6x/day manually in lieu of the screen cleaner sweeps (also in manual). Also, the P1 chain gates 2C, 4C, and 6C for the ITS are opened, but nothing north of 6C is open (this was decided

through FFDRWG). The B2CC was opened March 11 (day of meeting), at 1500 hours for the 4-day operation associated with the second Spring Creek release.

TD/JD: (handout): Miro went through items on the handout. At JDA, both fishways are in service. At TDA, the east fishway is back in service just in time for the fish passage season.

5. Construction Updates: NWW (handout): Dave H. discussed the handout items in detail. At Lower Granite, the forebay guidance system (“curtain”) will be tested this year (in vs. out). The system has been modified, i.e. shortened from 80’ in depth to 60’ in depth, and tapers shallower as you move upstream, since the depth of the forebay decreases as you go upstream as well. The system will be deployed between units 5 and 6.

Bon.: (handout) Tammy said that the DSM2 airburst system is in manual due to electrical problems (new modules were defective). For the PDS monitoring at night, the project is trying to get a heater at this station. For the perf. plate debris jam area, Steve Schlenker (Hydraulic Design, Portland District) does not want to remove this structure. Dennis Schwartz (PM-E) wants to monitor the area. Also, an adult steelhead was seen in the P2DSM add-in water area above the screen, but project personnel and I removed the fish and placed it in the DSM channel below the add-in screen (approx. 4 pound wild summer fish). Tammy mentioned that the headgate storage issue amounts to \$7000/month to store these. Tom L. asked about the source of oil reported by Bonn. Fisheries in gateway 11A slot, and Tammy said the project has thought it came from the STS. The issue is being addressed by the project, and no additional oil has been seen since that date.

Scott Bettin proposed a couple of alternate spill attraction operations: 1) open bays 1 and 18 later in March while adult numbers are still low (to save BPA money from lost water), 2) switch to bay 2 for adult attraction and seal bay 1, since bay 2 “leaks” anyway. (I personally, since being on the project for a month, have not seen bay 2 leaking, but bay 6 does have a significant water leak under the entire gate, possibly due to a debris obstruction.) The group argued that the spill wall enclosing bay 1 provides direction for the flow of spill along the shoreline, and is the reason we do not want to replace bay 1 with bay 2 spill for attraction.

TD/JD: Miro said the TD spill wall(s) are still under construction. The fishway wall will be done next week (from this meeting), and the main wall between bays 6 and 7 will be done by the end of March, including avian lines installed.

6. Research Updates: NWW (handout): Dave discussed handout items. Installations are being done to prepare for the ’04 research season. There will be a spillway survival balloon tag study at ICH beginning March 16 (details on handout). Scott Bettin asked about shutting off spill to retrieve the tagged fish. Dave said he did not know the status of that possibility yet.

Bon.: Tammy discussed handout items, and that she attended a meeting with lamprey researchers, who plan to install a lamprey “ladder” at the exit of Bradford Island fishway make-up water area. PIT detectors will be placed in the lamprey “box”. Paul O. asked if these will have the same frequencies as other PIT tags in fish in the system. Answer was “No”.

TD/JD: Miro said no studies are taking place presently, but that set-up and installation is taking place. At MU7 JDA, one VBS structural test will be performed (not a fish-impact test). At TDA, there is a lot of installation for telemetry taking place. Scott Bettin mentioned a higher discharge through the ITS this year, and asked where do we change the data in CROHMS? It would be a 1-2Kcfs difference (700 cfs more). Scott requested putting the sluiceway flow in with the spillway flow, and wants a new code for ITS flow. He proposed the same issue with B2CC – where do we put the flow data? How do we keep track of the flow – in spill data? It could be categorized as Misc. flow, but have its own code.

7. Task Group Updates: **ACTION:** Dave H. and I are to convene and hash out the Task Group issues. Dave proposes to divide up the groups into NWW and NWP factions. Dave and I will try to develop guidelines for task groups over the phone prior to the next FPOM meeting. **ACTION:** I will update the Task Group lists and redistribute to FPOM members prior to the next meeting.

Count Program TG: Larry Beck (**ACTION**) will send the corrected counts to FPOM, with changes to counts compared to the AFPR (spreadsheet with several worksheets from ’97 – ’01). Counts covered include Nov. 15 – Mar. 15 (winter counts). Robert said the AFPR will be out in about a month. Larry sent this information out to determine ladder splits when fish numbers exceed 25K (or 30K after spill season ends), and Tammy sent spill information out.

Fish Count Task Group: (handout by Robert): Robert said that John Graham explained the website issues at the March 2, 2004 TG meeting at RDP. There was a labor dispute with the company that designed the keyboards, so they will not be set up by the start of fish count season. This first station should be set up by mid-season. Robert mentioned maybe funding a counter to remain for one hour after their shift to work with the new system and learn it. Changes that are proposed for the count program are: 1) New website (clipped vs. non-clipped [spring Chinook]); 2) the two systems (old and new) will not mesh well. For the old system, once a ladder or dam goes into the new system, the old one will be eliminated. Historic data will go into the new system once its working and people are comfortable with it. Dave H. asked what the IMO people are doing, and can we have them send their requirements to the NWW IMO people? Robert said next year it (the new program) will include NWW. Firewalls are nearly in place. The option now is to compare 1-hour worth of counts for each of the two systems working for about a month. COE can conceivably get all NWP set up for this year.

8. Bon. Unit 17 VBS discussion: VBS barge delivery is scheduled for April 6 (possibly subject to change). The associated outages are tentatively scheduled and approved for: MU11-12; OOS 0800 – 1700 hrs.: MU 13-14; OOS 0800-0900, 1600-1700, for 4 VBSs total (three new, one spare). This has been tentatively approved. One other item about MU 17: velocity tests on VBSs April 12-16. Rudd T. asked when MU 17 is to return to service, and the answer was 24 April.

9. FPP Post-release Follow-up: FPP Final for 2004 was signed last week. Hard copies are being distributed beginning today (day of meeting), and the document is also available on the COE website. **ACTION:** Responses to NOAA comments will be submitted by the end of March by RCC. Tom Lorz said the CRITFC official letter will be sent when it gets attended to (its probably in someone's Inbox). At McNary Dam, it was noticed that the sampling mortality releases are attracting predatory birds, so it was suggested to wait until after dark to dispose of these fish into the tailrace. Rudd T. mentioned that (**ACTION**) the TDA unit operating priorities (last item in App. A) will be used, and a teletype will be issued to the project. Presently, the TDA spill table is not a complete table, but is there as an example, so Control will not use this table. The spreadsheet will be posted on the website, as will the FPP document itself.

10. River Flow Update: (handout): Rudd T. went through the handout and discussed the forecasts. March is down 7% from the Feb. prediction.

11. Other: The Bon. B2 Corner Collector will be opened today (day of meeting) at 1500 hrs., and will close at 1500 Monday, March 15. This is to aid the second Spring Creek release in its passage through Bon., and includes Hydroacoustic data collection to estimate FPE. Miro said he has photos of the gratings in the TDA Collection Channel, after it was unwatered for the first time since construction in 1957. Gratings were in very good shape, and the unwatering went well. It now must be determined through HELCRABS which diffusers to use. There may only be need for a small number of diffusers, so there may be no need at this time to spend money on repairs. Miro passed around photos of the gratings. One showed morted adult lamprey underneath. One showed repairs, and one showed a pipe that runs across the channel near the bottom. No diffusers have been repaired, and they did not unwater the AWS conduit, since the grating inspections were priority. Another Other: Bill Hevlin brought up the issue of spill changes for research at Ice Harbor dam in 2004. Balloon tag studies were discussed, for direct survival estimates between different configurations. At the Vicksburg model, bulk spill treatments were tested against BiOp spill levels. At ICH model, they tried to keep a minimum of 10Kcfs/bay with the bulk spill treatment, but had to go to 8.4Kcfs spill to accommodate the minimum flow of 45.6 Kcfs. Below that there is a plan to test 35Kcfs, but nothing lower than that. Bulk spill can be up to 60Kcfs total river, and will separate bulk spill gates with one bay in between. One concern is a potential eddy that could form. It is better to split up the bays for lower Q levels, and as you get to 60Kcfs, there is a stronger back eddy in each empty bay in between spilling bays at ICH, so then you should use adjacent bays to spill from. At Lower Monumental, the best configuration was operating bay 1,3,and 7 at low flow with the number of stops ranging from 5.5 – 7.0, and at greater Q levels, open one more gate (#6). The intention is to keep a larger opening if we can. The test is to compare between BiOp spill and bulk spill. At this project, you can remain at "sawtooth" spill pattern (every other bay open), due to a deeper tailrace and less eddying. This configuration created better conditions at the outfall as well.

Therefore, testing at Lower Monumental model with every other bay operating resulted in dye exiting the tailrace quicker than other treatments. There had to be some contingency plans developed at LoMo, but this will make it more difficult for the operators. Walla Walla District researchers are working out details of the spill patterns. Half-stops (eg.: 5.5 ft opening) are designed to make it easier for operators, and is better than opening a whole new bay. Paul Ocker said the purpose of the test is to find out the mechanism for the low survival seen, and then to correct it.

Other issue: Miro Zyndol said the delay in return to service of the TDA fish units is due to them still needing to be hooked up to GDACS. **ACTION:** Miro is to send the details of the Fish Unit/GDACS program status to me to distribute to FPOM if requested by members.

Following the regular FPOM meeting was a special discussion on NWW transport program for 2004. Dave H. moderated this meeting/discussion.

Next Meeting: April 15, 2004, at Ice Harbor Dam, 1000 hours. Participants may elect to travel to LoMo in the afternoon to visit the project. Please bring handouts for discussion items.

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