



# FISH PASSAGE CENTER

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## MEMORANDUM

TO: FPAC

FROM: FPC Staff

DATE: February 2, 2015

RE: Action Notes from January 20, 2015 FPAC face-to-face meeting

On January 20, 2015, FPAC met at the FPC offices in Portland, Oregon, for its monthly face-to-face meeting. Present for the meeting were: Paul Wagner (FPAC Co-Chair, NOAA), Tom Lorz (FPAC Co-Chair, CRITFC), Charlie Morrill (WDFW), Kyle Dittmer (CRITFC), Russ Kiefer (IDFG, via phone), Tom Iverson (Yakima, via phone), Sherie Sears (Colville Tribe, via phone), Tom Skiles (CRITFC), Trevor Conder (NOAA, via phone), Kathryn Kostow (ODFW, via phone), Erick Van Dyke (ODFW), Margaret Filardo (FPC), Erin Cooper (FPC), Dave Benner (FPC), Brandon Chockley (FPC), and Tommy Garrison (FPC).

## Agenda Items

### *Water Supply/Flood Control*

- Dave Benner (FPC) provided a summary of the current reservoir operations and water supply forecasts. Below is an overview.

<i>Project</i>	<i>Current Elevation (feet)</i>	<i>Change in Elevation (feet over past week)</i>	<i>Last Week's Outflows (Kcfs)</i>	<i>End of January Flood Control (ft)</i>
GCL	1280.2	Drafted 2.7	1117.1 – 145.0	1290
LIB	2410.1	Drafted 0.1	4.1	2410
HH	3543.5	Drafted 2.2	4.9 – 6.4	3541
DWOR	1540.3	Refilled 2.1	1.6	1551
BRNLE	2066.5	Drafted 1.8	11.4 – 20.1 (Hells Canyon Outflows = 9.2)	2077

- Average tailwater at Bonneville over the last two weeks have ranged from 15.9 – 19.0 feet, with a minimum tailwater of 13.8 and a maximum of 19.6.

- Snowpack estimates from Natural Resource Conservation Service were provided by Dave Benner.

<b>Basin</b>	<b>Snow Water Equivalent (% Avg) Jan. 20, 2015</b>
Columbia above Snake confluence	93
Snake River	101
Lower Columbia, between Bonneville and McNary	42

- ESP runoff volume estimates as of January 19, 2014, are noted below.

<b>Location</b>	<b>% Average (1981–2010)</b>	<b>Runoff Volume (Kaf)</b>
The Dalles (Jan–July)	95	96,707
Grand Coulee (Jan–July)	97	57,894
Libby Res. Inflow, MT (Apr–Aug)	91	5,342 6,297*
Hungry Horse Res. Inflow, MT (Jan–July)	104	2,172
Lower Granite Res. Inflow (Apr–July)	100	19,811
Brownlee Res. Inflow (Apr–July)	81	4,425
Dworshak Res. Inflow (Apr–July)	95	2,300 2,136*

\*COE January forecast

### **Weather**

- Kyle Dittmer provided an update of current weather conditions. Precipitation was as follows:

<b>Location</b>	<b>Seasonal (Oct 1-Now)</b>
Portland	105%
Upper Columbia	105%
Middle Columbia	103%
Lower Snake	123%
Upper and Mid-Snake	102%

- Temperatures were as follows (temperature departures):

<b>Location</b>	<b>Pro-rated Monthly</b>
Portland	1.7
Upper Columbia	2.9
Middle Columbia	2.6
Lower Snake	3.6
Upper and Mid-Snake	2.8

- Paul provided a link to the latest NOAA report on ocean conditions.

### ***Chum***

- BPA estimates that an average tailwater of 12' would provide the necessary protection for chum redds.
- FPAC will not endorse a reduction in tailwaters at this point.

### ***Dworshak Turbine Rehab***

- The USACE has announced that they cannot include flexible timing into the contract for Dworshak turbine work. FPAC will request a start date of September 15<sup>th</sup> for the work.
- Currently the Dworshak hatchery is limited to 115% TDG. The USACE has indicated that more degassing units will be added over the winter.

### ***Lower Granite Ladder Modifications***

- The intake extension for the Lower Granite ladder installation has been planned for prior to the start of the 2016 migration season. However, USFWS has requested a full consultation on potential impacts to bull trout.
  - Questions to be answered include whether sub-adults are present in the intake location during times it would be in operation, and if screens would provide adequate exclusion for bull trout sub-adults.

### ***Fish Passage Plan (FPP) Change Forms***

- NOAA suggested that Appendix J of FPP should include sampling frequencies for each SMP site. Paul Wagner will check to see what information was provided by FPC during SMP Review in 2014 and prepare a change form for FPP to include this information.
- Dave Benner suggested that requirements for winter fishway inspections at Bonneville be changed to once per day, as at other projects.
- Dave Benner suggested changing McNary procedures in the event of disabled pumps in the fishway to be consistent with other projects.

### ***McNary Performance Testing JTSM***

- FPAC members agreed to sign onto a joint technical staff memo requesting more information for the final report on performance testing at McNary Dam in 2014. The request includes route-specific survivals, details of dead fish releases and detection, and further details about the spill operations during the test.

### ***Coordination***

- The next FPAC face-to-face meeting will be at 1:00 PM on February 17, 2015.