



FISH PASSAGE CENTER

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MEMORANDUM

TO: FPAC

FROM: FPC Staff

DATE: June 18, 2014

RE: Action Notes from June 17, 2014 FPAC face-to-face meeting

On June 17, 2014, FPAC met at the FPC offices in Portland, Oregon, for its monthly face-to-face meeting. Present for the meeting were: Tom Lorz (FPAC Co-Chair, CRITFC), Dave Wills (USFWS), Charlie Morrill (WDFW), Trevor Conder (NOAA, via phone), Kyle Dittmer (CRITFC, via phone), Erick Van Dyke (ODFW), Steve Williams (PSMFC), Dave Statler (Nez Perce), Sherri Sears (Colville, via phone), Russ Kiefer (IDFG, via phone), Tom Skiles (CRITFC), Kathryn Kostow (ODFW, via phone), Rosanna Mensik (SMP-MCN, via phone), Michele DeHart (FPC), Margaret Filardo (FPC), Erin Cooper (FPC), Brandon Chockley (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.

Project	Current Elevation (feet)	Change in Elevation (feet over past week)	Last Week's Outflows (Kcfs)
GCL	1286.5	Refilled 7.0	103.4 – 142.7
LIB	2429.8	Refilled 5.8	17.0 – 20.0
HH	3544.0	Refilled 6.9	3.0
DWOR	1589.1	Refilled 8.1	1.5 – 4.0
BRNLE	2077.0		12.1 – 14.1 (inflows)

- The Spring Biological Opinion flow period began on April 3rd in the lower Snake River. The flow objective this spring will be 100 Kcfs at Lower Granite. Flows at Lower Granite have averaged 85.6 Kcfs over the last week and 93.0 Kcfs over the spring season.
- The Spring Biological Opinion flow for the Upper and Lower Columbia began on April 10th. The spring flow objective at McNary Dam will be 260 Kcfs (has averaged 288.5 Kcfs so far) and 135 Kcfs at Priest Rapids (has averaged 183.5 so far).
- See table below for ESP runoff volume estimates as of June 16, 2014.

Location	% Average (1981–2010)	Runoff Volume (Kaf)	Observed Runoff through 6/16/2014 (Kcfs)
The Dalles (Jan-July)	107	108410	70104
Grand Coulee (Jan-July)	110	65539	41742
Libby Res. Inflow, MT (Apr-Aug)	122	7157 7074*	3881
Hungry Horse Res. Inflow, MT (Jan-July)	130	2729	
Lower Granite Res. Inflow (Apr-July)	100	19825	14100
Brownlee Re. Inflow (Apr-July)	65	3557	
Dworshak Res. Inflow (Apr-July)	122	2962 2933*	2415

*COE June Forecast

Weather

- Kyle Dittmer provided a handout of precipitation for season (Oct. 1– current), as well as over the month of June. Handout also provided pro-rated monthly temperatures. Precipitation levels were as follows (% of normal):

Location	Seasonal (Oct 1-Now)
Portland	84%
Upper Columbia	87%
Middle Columbia	58%
Lower Snake	83%
Upper and Mid-Snake	82%

- Temperatures were as follows (temperature departures):

Location	Pro-rated Monthly
Portland	0.0
Upper Columbia	-1.2
Middle Columbia	2.0
Lower Snake	0.6
Upper and Mid-Snake	1.9

Juvenile Fish Passage

- Passage of spring migrants has been decreasing over the past week.
- Subyearling Chinook passage indices have remained relatively steady at all sites over the past week.
- Sockeye passage index counts have remained in the low 100s at Lower Columbia sites.

Adult Fish Passage

- Spring Chinook counts at Bonneville ended on June 1. Final spring Chinook counts were at 225% of 2013 and 144% of the 10-year average. Steelhead counts at Bonneville are at 193% of 2013 counts.
- Sockeye counts at Bonneville are 118% of 2013 counts and 149% of the 10-year average.
- At Lower Granite, spring Chinook counts are at 160% of the 10-year average.

Biological Opinion Spill

- Spill at Little Goose Dam was back to FOP levels of 30%.
- TDG at Ice Harbor forebay exceeded 115% TDG limit from June 10th through June 13th.
- McNary Dam tailrace TDG exceeded the 120% TDG limit on June 10th and 11th. TDG at the John Day forebay exceeded 115% on June 10th.
- TDG levels at The Dalles forebay and Bonneville forebay exceeded 115% on June 11th and June 12th.
- The final FOP for the summer was released last week. Summer spill will start on June 21st at Snake River project and continue through August 31st, as in 2013. Summer spill at Lower Columbia projects began on June 16th and will continue through August 31st.

Treaty Storage

- Paul Wagner provided a summary of last week's discussion of Canadian treaty storage.

Adult Injuries at Wells

- Dave Benner provided a memo outlining the potential causes of adult injuries observed at the Wells ladder.
- The source of injuries is likely to be due to the west bank adult trap. Charlie will look into the goal of WDFW research at this site and the possibility of shutting down the trap and/or substituting the east bank trap.

McNary Sampling Temperature and Triggers

- Rosanna described some confusion regarding the FPP (Appendix J) instructions for temperature monitoring at the McNary SMP facility. Brandon and Margaret will review the language and revise for clarification.

Coordination

- The next FPAC face-to-face will occur at the FPC office at 9:00 AM on July 15, 2014. FPAC members are asked to review the SMP Review Memo provided by FPC at the May face-to-face before that meeting.
- An SRWG meeting to discuss a single operation for Ice Harbor in 2015 will be at CRITFC on June 19 at 10:00 AM.
- On June 25th there will be a review of the Bonneville operations change form.