



FISH PASSAGE CENTER

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MEMORANDUM

To: Fish Passage Advisory Committee (FPAC)

From: FPC Staff

Date: February 1, 2019

Subject: Action Notes from January 29, 2019 FPAC meeting

On January 29, 2019, FPAC met for its weekly conference call. The following people participated in the call:

Paul Wagner (NOAA, co-chair)
Tom Lorz (CRITFC, co-chair)
Brandon Chockley (FPC)
Dave Benner (FPC)
Gabe Scheer (FPC)
Erick Van Dyke (ODFW)

Jay Hesse (Nez Perce Tribe)
Charles Morrill (WDFW)
Dave Swank (USFWS)
Sheri Sears (Colville Tribes)
Jennifer Graham (Warm Springs Tribe)

AGENDA ITEMS

Approval of Previous Notes (00:37 – 01:40)

- Draft notes from Nov. 20, 2018, Dec. 18, 2018, Jan. 8, 2019, and Jan. 15, 2019 were all approved, with no edits.

Water Supply and Reservoir Status (01:40 – 06:20)

- Dave Benner (FPC) provided an overview of recent reservoir operations, snow pack, water supply forecasts, and Chum operations. See attached document.
- BON tailrace has been in 11.4-14.6' range over the last week.

- Charlie Morrill (WDFW) asked about drum gate maintenance at GCL. GCL will not make determination until February forecast is issued. Paul Wagner (NOAA) noted that 2019 is not a forced year. Decision will depend on what the forecast end up being.

Weather Update and Climate Forecast (06:20 – 07:45)

- Paul Wagner (NOAA) provided an update on upcoming weather. Some precipitation is expected to come near the end of the week but relatively dry over next ten days.
- Paul noted that NOAA forecast has dropped from 90% probability of El Niño to 65% probability. Things in ocean have changed over past week. Ocean cooled instead of warming.

Chum Operations (07:45 – 10:00)

- Charlie Morrill (WDFW) noted that we are currently targeting a protection level of 11.3' and water supply scenario looks ok. Protection was implemented ~Dec. 23. Ok to continue for another week until next check-in.
- Paul Wagner (NOAA) asked about Duncan Creek spawning. Charlie noted that Duncan Creek did well. Charlie has not had a chance to look at the numbers yet.
- Charlie also noted that had over 13,000 Chinook spawning in Ives/Pierce area. Likely one of the best years observed over some time.

Passage and Pending Permit Issues (10:00 – 16:40)

- Paul Wagner (NOAA) noted that the current BiOp was extended through March 31st. Should be no conflict between early sampling at LMN and LGS and BiOp.
- Brandon Chockley (FPC) provided an update on permits for the SMP/CSS. NOAA provided a letter to the FPC that extended 2018 Determination of Take Letter to 2019 activities, until 2019 Determination of Take Letter can be issued by NOAA staff. To date, SMP/CSS have all permits in place for 2019 activities. NOAA is working on the 2019 Determination of Take Letter and hopes to issue it by February 15th.
- Charlie Morrill (WDFW) asked about the plan for the new BiOp. Paul Wagner (NOAA) noted that NOAA is working on new BiOp and hopes to issue by March 29th. Actually aiming to get work done by mid-February. Need COMPASS modeling. No guarantees but expecting to come back with a yes for flex spill in 2019.

Sort-by-Code Request (16:40 – 18:10)

- Sort-by-Code request from CSS/SMP (FPC) (Request #1588) was approved.
- Sort-by-Code request from Gordon Axel (NOAA) (Request #1585) was approved.
- Paul will approve them both on PTAGIS website.

Coordination (18:10 – 21:35)

- TMT Tomorrow (Jan. 30)
- FPOM (regular meeting), Thursday, February 14th
- FPOM review and approval of FPP change forms, Thursday, February 7th
- 2019 CSS Annual Review, April 24th at Water Resource Center in Vancouver, WA

- Next FPAC is Tuesday, Feb. 12th (9:00 am)

Other: Review/Update of Past Items (21:35 – 29:59)

- Paul Wagner (NOAA) asked if there was any follow-up with COE on start of truck transport. FPAC discussed on January 5th and WDFW and NPT were not supportive of starting truck transport before August 1st.
- Charlie Morrill (WDFW) provided a recap of last week's Biomark PIT-tag workshop. Workshop was useful and informative. Bottom line was they are listening to concerns expressed by regional users and renewed commitment to provide better customer service.
- Charlie Morrill (WDFW) provided an update of last week's PIT-tag Steering Committee Meeting. Notes should be out shortly. Highlights include: 1) PTSC will work on guideline/charter for a subcommittee to take on updated effort to incorporate needs of instream-detection systems throughout the basin and 2) PTAGIS staff in Kennewick are optimistic that ogee detection system at LGR will work (in 2020). Once PTSC has more complete draft of charter, will share with FPAC.
- Construction work to complete JBS at LGR is underway. Tom Lorz (CRITFC) noted that work on the JBS will likely not be finished in 2019. Tom also noted that seals on RSW at LGR have been repaired.
- Paul Wagner (NOAA) asked about adult counting contract. Tom Lorz (CRIZTFC) provided summary of discussions. Counting will occur everywhere but daily posting will only be for BON and LGR. Reporting of counts from other sites will likely be 2-3 days behind until new contractor is in place (2-4 months). COE will be doing counting. COE committed to provide data, upon request, if issues come up.

FPAC Agenda for Tuesday January 29, 2019
Meeting time: 9:00 AM

1. Approval of notes from November 20, December 18, January 8, and January 15 meetings.
2. Water supply and reservoir status
3. Weather update and climate forecast
4. Passage and pending permit issues
5. Sort by Code Requests
<http://www.ptagis.org/services/separation-by-code/RequestDetail/1588/>
<http://www.ptagis.org/services/separation-by-code/RequestDetail/1585/>
6. Other
7. Coordination for other schedule meetings



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MEMORANDUM

TO: FPAC

FROM: David Benner, FPC

DATE: January 29th, 2019

RE: Reservoir Operations/Snowpack/Water Supply/Bonneville TW

Grand Coulee Reservoir is at 1,280.5 feet (1-28-19) and has refilled 2.5 feet over the last week. Outflows at Grand Coulee have ranged between 66.5 Kcfs and 110.3 Kcfs over the last week. The end of March Flood Control Elevation at Grand Coulee is 1282.3 feet.

The Libby Reservoir is currently at elevation 2,413.7 feet (1-28-19) and has drafted 0.4 feet over the past week. Daily average outflows at Libby Dam have been 4.0 Kcfs for the last week. The end of January Flood Control Elevation at Libby is 2,422.2 feet.

Hungry Horse is currently at an elevation of 3,532.9 feet (1-28-19) and has drafted 1.2 feet last week. Outflows at Hungry Horse have been 2.9-3.1 Kcfs over the last week. The end of January Flood Control Elevation at Hungry Horse is 3548.5 feet.

Dworshak is currently at an elevation of 1,522.3 feet (1-28-19) and has refilled 0.4 feet over last week. Dworshak outflows have been 1.7 Kcfs. The end of January System Flood Control Elevation at Dworshak is 1,548.3 feet.

The Brownlee Reservoir was at an elevation of 2,059 feet on January 28, 2019 and has drafted 1.1 feet in the last week. Outflows at Hells Canyon have ranged between 9.1 and 13.8 Kcfs over the last four days. The end of February Flood Control Elevation at Brownlee is 2053.1 feet.

Basin	1-28-19 Snow Water Equivalent (% Med.)
Columbia above the Snake River Confluence	
Kootenai River in Montana	84
Flathead River	87
Upper Clark Fork River	97
Bitterroot	89
Lower Clark Fork River	87
Idaho Panhandle Region	84
Columbia above Methow	94
Chelan, Entiat, Wenatchee	91
Yakima, Ahtanum	87
<i>Average*</i>	89
Snake River	
Snake above Palisades	85
Henry Fork, Teton, Willow, Blackfoot, Portneuf	84
Big and Little Wood	77
Big and Little Lost	73
Raft, Goose, Salmon Falls, Bruneau	94
Weiser, Payette, Boise	83
Owyhee Malheur	94
Grande Ronde, Powder, Burnt, Imnaha	95
Clearwater and Salmon	87
<i>Average*</i>	86
Lower Columbia between Bonneville and McNary	
Umatilla, Walla Walla, Willow	103
Deschutes, Crooked, John Day	81
Lower Columbia, Hood River	50
<i>Average*</i>	78

Location	January 28, 2019 5-day QPF ESP	
	% Average (1981-2010)	Runoff Volume (Kaf)
The Dalles (Apr-Aug)	87	76,356
Grand Coulee (Apr-Aug)	90	51,022
Libby Res. Inflow, MT (Apr-Aug)	82 97*	4833 5721*
Hungry Horse Res. Inflow, MT (Apr-Aug)	87	1,693
Lower Granite Res. Inflow (Apr- July)	83	16,388
Brownlee Res. Inflow (Apr-July)	73	4,015
Dworshak Res. Inflow (Apr-July)	97 92*	2,342 2,239*

*COE January Final Forecast

Bonneville Chum Flows and Elevations:

<u>Day/Date</u>	<u>Bonneville Tailwater Range (ft)</u>
1-22-19	11.5-14.6
1-23-19	11.9-14.4
1-24-19	11.5-14.4
1-25-19	12.4-13.6
1-26-19	12.5-13.5
1-27-19	11.5-12.6
1-28-19	11.4-12.3

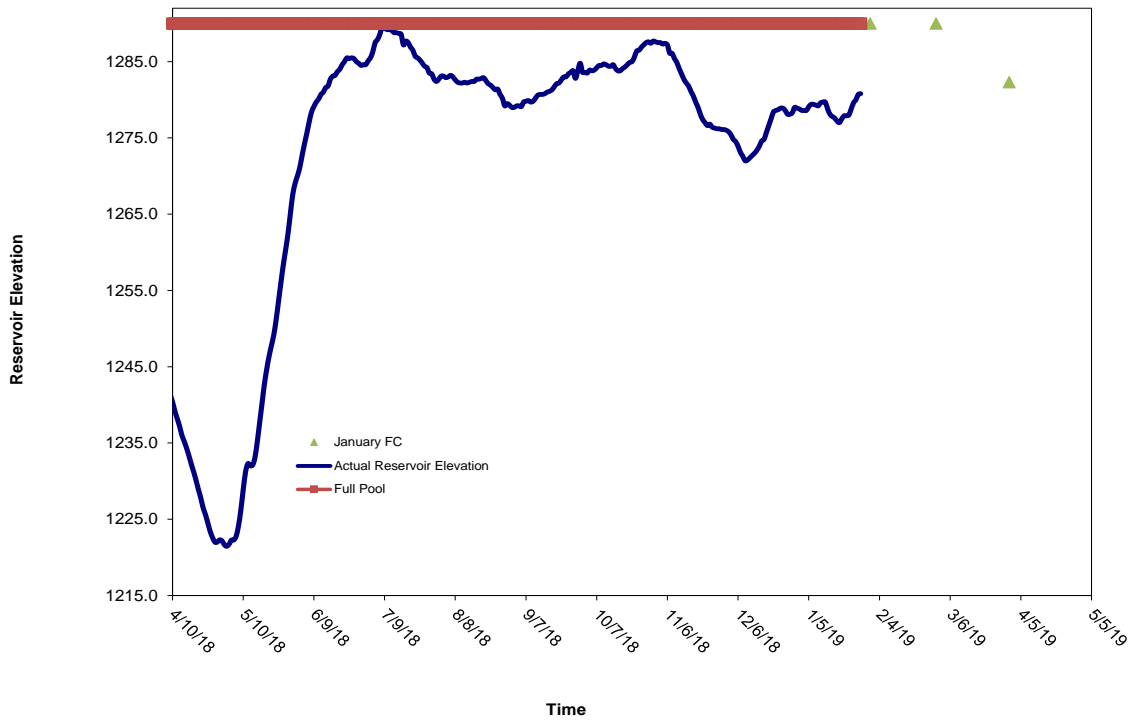


Figure 1. Grand Coulee

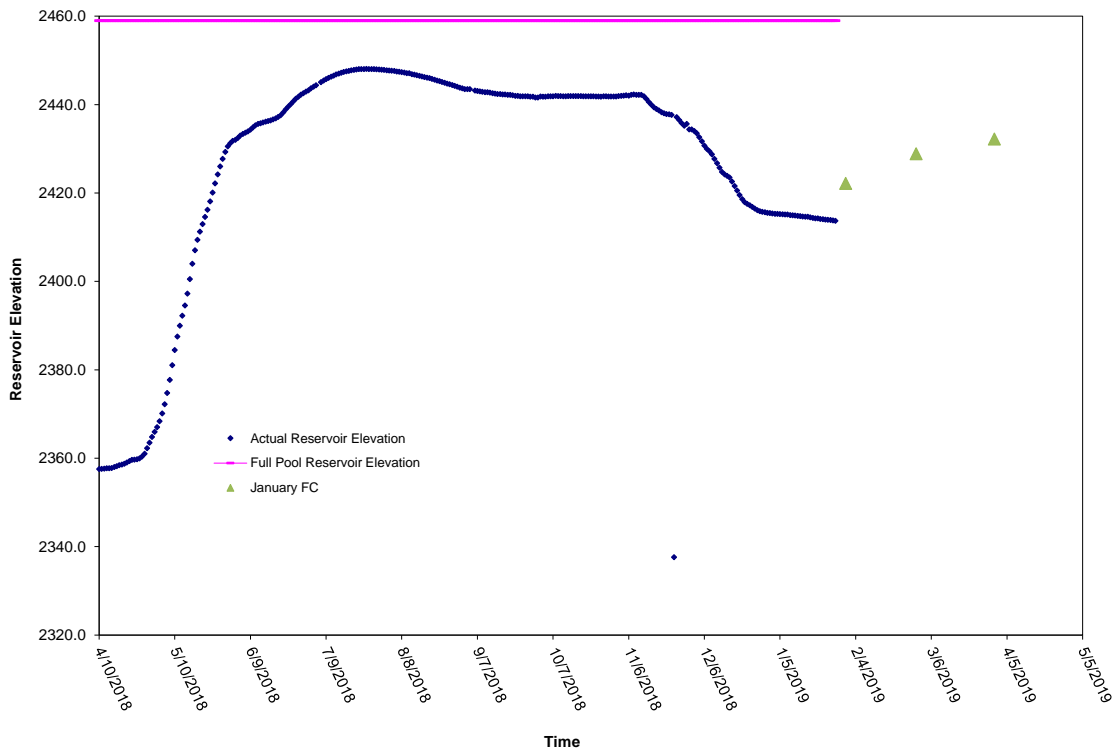


Figure 2. Libby

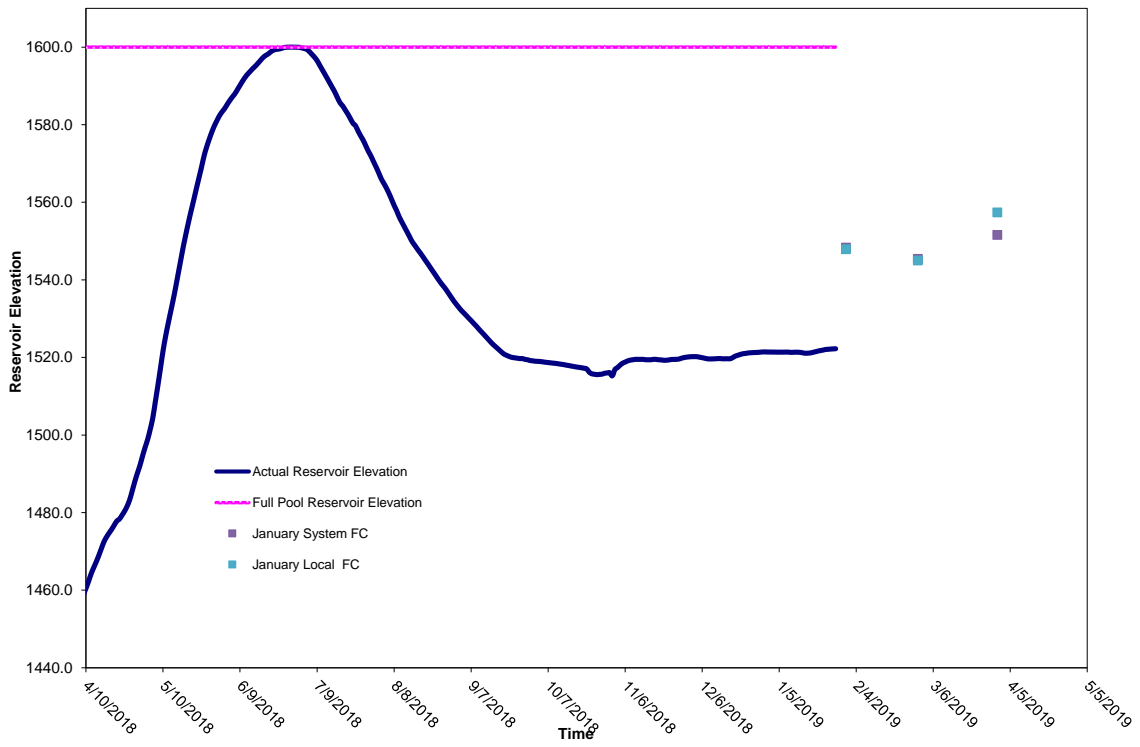


Figure 3. Dworshak

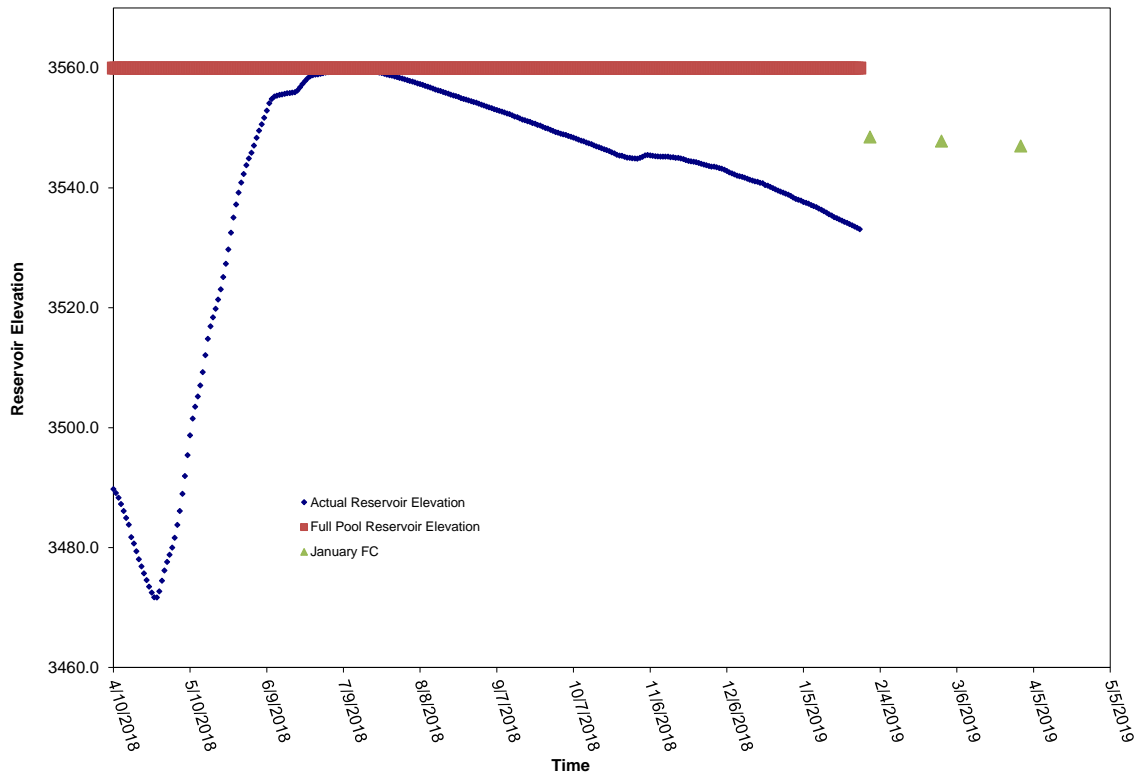


Figure 4. Hungry Horse

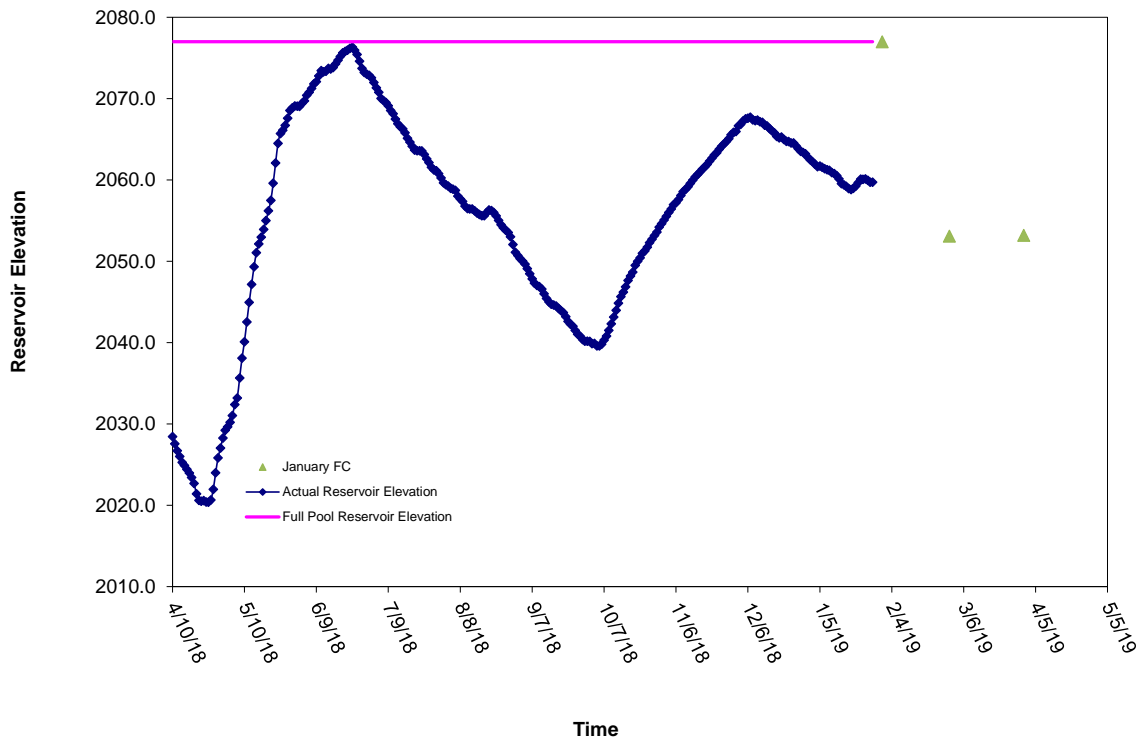


Figure 5. Brownlee