



# FISH PASSAGE CENTER

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## MEMORANDUM

To: Fish Passage Advisory Committee (FPAC)

From: FPC Staff

Date: August 23, 2016

Subject: Action Notes from August 23, 2016, FPAC meeting

On August 23, 2016, FPAC met via conference call for its weekly meeting. The following people participated in the meeting:

Paul Wagner (FPAC Co-Chair NOAA)

Tom Lorz (FPAC Co-Chair CRITFC)

Bobby Hsu (FPC)

Brandon Chockley (FPC)

Charlie Morrill (WDFW)

Dave Benner (FPC)

Dave Swank (USFWS)

Erick Van Dyke (ODFW)

Erin Cooper (FPC)

Jennifer Graham (Warm Springs Tribe)

Kyle Dittmer (CRITFC)

Margaret Filardo (FPC)

Russ Kiefer (IDFG)

Tom Iverson (Yakima Nation)

Trevor Conder (NOAA)

Rick Martinson (PSMFC/SMP)

## AGENDA ITEMS

### ***Approval of Notes***

- FPAC notes from August 16 were approved without changes.

### ***Water Supply/Flood Control***

- Dave Benner (FPC) provided a summary of the current reservoir operations and water supply forecasts, snowpack estimates, and ESP runoff volumes. See the attached document.

### ***Weather***

- Kyle Dittmer (CRITFC) provided a summary of weather conditions and water year status. See attached.

### ***Juvenile Fish Passage Status***

- For passage indices on August 23, 2016, please see the attached document. For updated indices, use the FPC website.
- Barge transport has ended and truck transport has started at all transport sites. The first truck left each collector project on August 17<sup>th</sup>.

### ***Adult Fish Passage Status***

- For adult counts on August 23, 2016, please see the attached document. For updated counts, use the FPC website.

### ***Temperature***

- For daily temperatures from 2006 – 2015 and year-to-date temperatures, please use the FPC website.

### ***Spill Update***

- For spill and TDG from August 16 to August 22, please see the attached document. For updated information, please use the FPC website.

### ***Dworshak Operations***

- Volumes from Dworshak will be stepped down over the next month from 8 Kcfs to ~6.0 Kcfs by August 31<sup>st</sup>.
- Paul Wagner (NOAA) circulated a graph (put together by Steve Hall, COE) illustrating refill probabilities at Dworshak at certain draft limits (highlighting the 1520 foot elevation), based on the Oct-Nov, Dec, Jan, Feb, and March forecasts (see attached). However, this graph does not include information on how much refill would be missed in these draft scenarios. For this reason, the provided graph is not fully informative.

### ***Little Goose Temperatures***

- After the August 16 FPAC meeting, Russ Kiefer (IDFG) circulated a draft change form regarding flow and temperature criteria for closing surface passage at Little Goose. Circulated version has 3 meter depth for temperature criteria but Russ would like feedback from FPAC on what depth string would be most appropriate.
- Paul Wagner (NOAA) stated that Li et al. (2015), cited by the draft change form as providing evidence that subyearling Chinook migrate deeper in the water column to stay at an optimal temperature range, did not actually look at fish passing via spillbays, so they may not provide useful information for this change form.
- FPC was asked to review Li et al. (2015) as it related to the draft change form. In reviewing Li et al. (2015), FPC also reviewed Tiffan et al. (2009), as it relates to the draft change form. Margaret Filardo (FPC) pointed out that Tiffin et al. (2009) only studied

fish near the confluence of the Clearwater and Snake rivers, and so the results may not be applicable to the LGS forebay. The FPC review will be finalized and circulated to FPAC members later this week.

- Under the proposed se criteria (likely at any depth), the proposed change from would result in surface passage to be terminated earlier than the current FPP. FPAC members need to decide how early a closure they are comfortable with.
  - Trevor Conder (NOAA) suggested that someone should prepare a table to indicate the anticipated closure date under the proposed criteria using different temperature strings.
  - FPC will put this table together and circulate to FPAC.
- Tom Lorz (CRITFC) expressed concern that we will see a reduction in FGE when surface passage is closed.

#### ***Review of Emergency Actions for August Time Frame***

- Paul Wagner will provide a draft to FPAC on possible future emergency actions for late summer. FPAC members will discuss this draft at future meetings.

#### ***Temperatures in Ladders***

- At the July FPOM, FPOM members request that the COE (Portland) provide ladder temperatures to FPC in a manner similar to the Walla Walla district so they can be posted on the FPC website.
- FPC has received data from John Day and The Dalles dams. At TDA, there is only one monitor in each ladder, placed near the counting stations. At John Day Dam, entrance and exit temperatures are provided for each ladder.
- Tom Lorz (CRITFC) will write a draft suggestion for FPOM that, at a minimum, monitors should be placed as close to the ladder entrances and exits as possible, in order to provide temperature differentials between these two locations.

#### ***Criteria for turning off ladder pumps at Little Goose***

- NOAA suggested to the COE that the ladder pumps at Little Goose be turned off when the forebay temperature is 68° for two consecutive days with temperature forecasts that it will not go back up.
- Brandon Chockley (FPC) asked for clarification on whether the 68° would be a daily average or daily maximum.

#### ***Coordination***

- FFDRWG temperature work group will be in Walla Walla on Wednesday, August 24<sup>th</sup>.
- The FFDRWG regular meeting will be in Walla Walla on Thursday, August 25<sup>th</sup>.
- The next FPAC conference call will be on Tuesday, August 30<sup>th</sup> at 9:00AM.
- The next FPAC face-to-face meeting will be on Tuesday, September 20<sup>th</sup>, time TBD.