



FISH PASSAGE CENTER

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MEMORANDUM

To: Fish Passage Advisory Committee (FPAC)

From: FPC Staff

Date: June 25, 2018

Subject: Action Notes from June 22, 2018, special FPAC meeting

On June 22, 2018, FPAC met for a special meeting to discuss adult counts at LGS. The following people participated in the meeting:

Dave Swank (USFWS, interim Chair)
Brandon Chockley (FPC)
Charlie Morrill (WDFW)
Trevor Conder (NOAA)
Dave Benner (FPC)

Erick Van Dyke (ODFW)
Erin Cooper (FPC)
Jay Hesse (Nez Perce Tribe)
Gabe Scheer (FPC)
Dave Statler (Nez Perce Tribe)

AGENDA ITEMS

LGS Adult Counts (01:45 – 12:30)

- COE was unable to post adult counts from yesterday at LGS. Chris Peery reported that adult counts at LGS for Thursday, June 21st were 1,751 adults and 73 jacks. These counts are unexpanded and subject to change.
- Jay Hesse (Nez Perce Tribe) noted that count at LGR is starting to concern him. IHR-LGR conversion on FPC indicator don't look good. Brandon Chockley (FPC) noted that the conversion rate portion of FPC Passage Indicator will be day or two behind because relies on fish to get to LGR. Fish counted at LGS on June 20 may not be at LGR yet and certainly fish at LGS on June 21st not there yet.

- Dave Swank (USFWS) noted that appears earlier suspicion of issue with reduced PIT-tag detection at LGS did not occur. Don Warf (PTAGIS) noted that there was no evidence of reduced detection capacity. Dave asked FPC to look into whether there is evidence of missing detections at LGS. FPC looked into it and are not seeing evidence of missed detections at LGS in recent days.
- Erick Van Dyke (ODFW) asked, what would the COE do differently if we did see a problem? LGS has switched to 30% and LGR has switched to 18 Kcfs. What would we do differently at either of these two projects if there was a problem? Dave Swank (USFWS) noted that there is no need to look into operational changes at this point.
- Dave Swank (USFWS) noted that will keep an eye on LGR to make sure large number of fish recently counted at LGS makes its way up to LGR. Good idea to keep eye on it. Jay Hesse (Nez Perce Tribe) agrees and will keep an eye on it.
- Dave Swank (USFWS) will call COE to cancel TMT call that was scheduled for 11:00 am today.
- **31:00 – 32:45** - Erick Van Dyke (ODFW) noted that DART tool showing conversions to LGS for days that have not occurred yet. He is concerned that showing any conversions for days that have not occurred yet could be problematic. It appears that the table has changed the way it is dealing with data entries, as it appears to be putting the last calculation in all the yet to occur dates.

Other: Dworshak Unit 3 Testing (12:30 – 31:00)

- Dave Swank (USFWS) noted that there has been a lot of communication about what might be done to keep Chinook adults out of the turbines during Unit 3 testing of Spin-No-Load (SNL).
- Dave noted one proposal is to run unit in overshot mode which would allow project to run 60 °F water through turbine. Dave talked to hatchery manager at Dworshak NFH and is concerned that 60 °F water might actually attract fish into turbine unit. Unless water is much warmer (~70 °F), should not do this.
- Trevor Conder (NOAA) noted that the COE is intending to do overshot mode and, if see mortalities, will provide spill to 110% TDG to reduce attraction into turbine. Testing of SNL scheduled to occur on June 26 and 27.
 - No clear on whether they will pursue screening option for future. NOAA engineer thinks this is a feasible option and should be pursued.
 - NOAA does not support overshot operation either. Dave Swank (USFWS) noted that he is surprised that they are planning to move ahead with it too.
 - Dave Statler (Nez Perce Tribe) stated that his recollection of FPOM discussion is that COE rational for overshot operation is based on not wanting to appear to be doing nothing and don't want to do anything that will delay testing.
- Charlie Morrill (WDFW) suggested that Trevor (NOAA) and Dave (USFWS) should convey FPAC lack of support for overshot operation. Also suggested that NOAA should think about mitigation issues.
- Trevor Conder (NOAA) suggested that Nez Perce Tribe should consider salvage operation if mortalities are noted. If have resources, could salvage for tribal use. Dave

Statler (Nez Perce Tribe) suggested that salvage operation would be beneficial for both tribal use and for enumeration of mortalities (if occur).

- Dave Statler (Nez Perce Tribe) asked about whether COE will have observers during the test. Yes, COE biologist from LGR will be there to look for signs of fish kill.
- Trevor Conder (NOAA) noted that it is theoretically possible that similar issue could occur with start/stop testing but focus so far has been on SNL testing.
- Erick Van Dyke (ODFW) asked why the COE thinks that overshoot operation with warmer water will keep Chinook adults out. Is the thought that the delta would deter fish from entering?
 - Dave Swank (USFWS) stated that, yes, the thought is that it would be a deterrent but concern that it may actually attract fish.
 - Erick asked if anyone has ever looked at this to know, one way or the other.
 - Trevor Conder (NOAA) noted that, over two-three days, fish could acclimate and still be attracted.
 - Dave Statler (Nez Perce Tribe) noted that he is not sure temperatures are at a level where temperature differential matters a whole lot.
 - Trevor noted that Chinook adults are migrating right now through the Snake River in 60 °F water.
- Dave Swank (USFWS) will send e-mail to Ann Setter (COE) stating FPAC recommendation to not supportive of overshoot operation. Will also mention it to Doug Baus (COE) when he communicates lack of need for TMT this afternoon.

These minutes have been reviewed and approved by the Fish Passage Advisory Committee.