

Summary of 2019 Little Goose Dam Spring Spill Operations

2019 Spill Agreement and 2019 Fish Operations Plan (FOP) Table 3 – LGS Spring Spill:

- 120% Gas Cap 16 hours/day and Performance Standard 30% 8 hours/day. The 8 hours of 30% spill will occur in two blocks per day of 4 AM hours/4 PM hours or 5 AM hours/3 PM hours (AM = “beginning near dawn”; PM = “generally near dusk”).
 - Operate within the 1.5-ft minimum operating pool (MOP) range of 633.0 – 634.5 ft.
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From April 3 through May 20, the Corps and BPA operated in accordance with the 2019 Spill Agreement and maintained 30% spill as flows allowed for either 4 AM hours/4 PM hours (0600-1100/1600-2000) or 5 AM hours/3 PM hours (0600-1100/1600-1900).

By May 20, the count differential of adult Chinook between Lower Monumental and Little Goose was 4,775 (*see FPC and DART websites for more information on adult counts and reach distribution¹*).

Operational changes to address adult delay were coordinated as follows:

1. Tuesday, May 21 – Friday, May 24: Maintained 30% spill only as a 5 AM/3 PM operation as flows allowed. Recommendation from IDFG received on May 20 and consensus (no objections) from TMT at the meeting on May 22.
2. Saturday, May 25 – Tuesday, May 28: Changed 30% spill to 6 AM hours (0600-1200), then 2 PM hours (1700-1900) as flows allowed. Consensus (no objections) from TMT at the meeting on Friday, May 24.
3. Wednesday, May 29 – Thursday, May 30: Changed 30% spill to 8 consecutive hours (0400-1200) as flows allowed. Consensus (no objections) from FPAC received on Tuesday, May 28.
4. Friday, May 31 – Tuesday, June 4: Continued 30% spill for 8 consecutive hours (0400-1200). If necessary due to flows above hydraulic capacity, water was stored in the forebay above MOP 633.0–634.5 feet then drafted out over the remaining hours by increasing spill to pass inflow from 1200-1600 hours, then increasing spill as necessary from 1600-0400 to draft the pool back to MOP. Consensus (no objections) from FPAC received on Thursday, May 30.

¹ Adult Count Query: www.fpc.org/adults/adult_queries/Q_adultcoequeries_adultrunsum_queryv2.php
DART PIT-Tag Adult Reach Distribution: www.cbr.washington.edu/dart/query/pitadult_reachdist
FPC Passage Indicator: www.fpc.org/passageindicator_homepage.php

5. Wednesday, June 5 – Wednesday, June 12: Continued operation in paragraph 4 above with the additional request to change the Adjustable Spillway Weir (ASW) from low crest to high crest daily from 0400-2000 hours. Consensus (no objections) from FPAC received on Tuesday, June 4, and TMT on Wednesday, June 5.

| > MOP 634.5' | # Hrs > MOP | 24-hr Forebay Range (ft) | 24-hr Avg (ft) |
|--------------|-------------|--------------------------|----------------|
| Sat 6/1 | 10 | 633.8 – 635.0 | 634.4 |
| Sun 6/2 | 2 | 633.4 – 634.6 | 634.0 |
| Mon 6/3 | 7 | 633.4 – 634.8 | 634.2 |
| Tues 6/4 | 11 | 633.2 – 635.4 | 634.4 |
| Wed 6/5 | 7 | 633.6 – 634.7 | 634.2 |

| ASW High Crest | Hours | Comment |
|----------------|-------------|---|
| Wed 6/5 | n/a | Unable to adjust to high crest due to equipment malfunction |
| Thu 6/6 | 1200 – 2400 | Late start due to equipment malfunction. Did not switch back to Low crest at 2000 hours due to human error. |
| Fri 6/7 | 0000 – 2000 | Stayed in high crest from previous day until 2000 hours (human error). |
| Sat 6/8 | 0400 – 2000 | |
| Sun 6/9 | | |
| Mon 6/10 | | |
| Tue 6/11 | | |
| Wed 6/12 | | |