

Table LGS-8-TEMPORARY (revised April 1, 2016, for Bay 5 OOS). Little Goose Dam Spill Patterns with Spillway Weir in Low Crest (SW-Lo) Elevator

| Outflow ^a (kcfs) | Spill ^b | | Turbine Unit Outflow (kcfs) ^c | | | | | | | SW-Lo Spill Patterns - Gate Stops (#) per Spillbay | | | | | | | | Comments (see footnotes) | |
|--------------------------------|--------------------|-------|--|------|------|------|------|------|-------|--|---|---|---|-----|---|---|---|--------------------------|-------|
| | (kcfs) | (%) | 1 ^d | 2 | 3 | 4 | 5 | 6 | TOTAL | 1 ^e | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | TOTAL |
| 37.3 | 11.2 | 30.0% | 14.8 | 11.3 | | | | | 26.1 | SW-Lo | | | | OOS | | | | 0 | |
| 43.2 | 13.0 | 30.0% | 17.5 | 12.7 | | | | | 30.2 | SW-Lo | | | | OOS | | 1 | | 1 | |
| 49.1 | 14.7 | 30.0% | 17.5 | 16.9 | | | | | 34.4 | SW-Lo | 1 | | | OOS | | 1 | | 2 | |
| 55.3 | 16.6 | 30.0% | 16.1 | 11.3 | 11.3 | | | | 38.7 | SW-Lo | 1 | | | OOS | | 2 | | 3 | |
| 61.2 | 18.4 | 30.0% | 17.5 | 14.0 | 11.3 | | | | 42.8 | SW-Lo | 1 | | 1 | OOS | | 2 | | 4 | |
| 67.0 | 20.1 | 30.0% | 17.5 | 17.5 | 11.9 | | | | 46.9 | SW-Lo | 1 | | 1 | OOS | 1 | 2 | | 5 | |
| 72.9 | 21.9 | 30.0% | 17.5 | 17.5 | 16.0 | | | | 51.0 | SW-Lo | 1 | 1 | 1 | OOS | 1 | 2 | | 6 | |
| 78.8 | 23.6 | 30.0% | 17.5 | 12.6 | 11.3 | 13.8 | | | 55.2 | SW-Lo | 1 | 1 | 1 | OOS | 1 | 1 | 2 | 7 | |
| 85.0 | 25.5 | 30.0% | 17.5 | 16.9 | 11.3 | 13.8 | | | 59.5 | SW-Lo | 2 | 1 | 1 | OOS | 1 | 1 | 2 | 8 | |
| 91.5 | 27.4 | 30.0% | 17.5 | 17.5 | 15.2 | 13.8 | | | 64.0 | SW-Lo | 2 | 1 | 2 | OOS | 1 | 1 | 2 | 9 | |
| 97.7 | 29.3 | 30.0% | 17.5 | 17.5 | 17.5 | 15.9 | | | 68.4 | SW-Lo | 2 | 1 | 2 | OOS | 2 | 1 | 2 | 10 | |
| 104.1 | 31.2 | 30.0% | 17.5 | 16.5 | 11.3 | 13.8 | 13.8 | | 72.9 | SW-Lo | 2 | 2 | 2 | OOS | 2 | 1 | 2 | 11 | |
| 110.6 | 33.1 | 30.0% | 17.5 | 17.5 | 14.9 | 13.8 | 13.8 | | 77.5 | SW-Lo | 2 | 2 | 2 | OOS | 2 | 2 | 2 | 12 | |
| 117.2 | 35.1 | 30.0% | 17.5 | 17.5 | 17.5 | 15.8 | 13.8 | | 82.1 | SW-Lo | 3 | 2 | 2 | OOS | 2 | 2 | 2 | 13 | |
| 123.8 | 37.1 | 30.0% | 17.5 | 17.5 | 17.5 | 18.9 | 15.3 | | 86.7 | SW-Lo | 3 | 3 | 2 | OOS | 2 | 2 | 2 | 14 | |
| 130.4 | 39.1 | 30.0% | 17.5 | 17.5 | 14.9 | 13.8 | 13.8 | 13.8 | 91.3 | SW-Lo | 3 | 3 | 3 | OOS | 2 | 2 | 2 | 15 | |
| 137.0 | 41.1 | 30.0% | 17.5 | 17.5 | 17.5 | 15.8 | 13.8 | 13.8 | 95.9 | SW-Lo | 3 | 3 | 3 | OOS | 3 | 2 | 2 | 16 | |
| 143.6 | 43.1 | 30.0% | 17.5 | 17.5 | 17.5 | 18.9 | 15.3 | 13.8 | 100.5 | SW-Lo | 3 | 3 | 3 | OOS | 3 | 3 | 2 | 17 | |
| 150.2 | 45.1 | 30.0% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 14.8 | 105.1 | SW-Lo | 3 | 3 | 3 | OOS | 3 | 3 | 3 | 18 | |
| 156.3 | 47.1 | 30.1% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | 109.2 | SW-Lo | 4 | 3 | 3 | OOS | 3 | 3 | 3 | 19 | |
| 158.3 | 49.1 | 31.0% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | 109.2 | SW-Lo | 4 | 4 | 3 | OOS | 3 | 3 | 3 | 20 | |
| 160.3 | 51.1 | 31.9% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | 109.2 | SW-Lo | 4 | 4 | 4 | OOS | 3 | 3 | 3 | 21 | |
| 162.2 | 53.0 | 32.7% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | 109.2 | SW-Lo | 4 | 4 | 4 | OOS | 4 | 3 | 3 | 22 | |
| 164.2 | 55.0 | 33.5% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | 109.2 | SW-Lo | 4 | 4 | 4 | OOS | 4 | 4 | 3 | 23 | |
| 166.2 | 57.0 | 34.3% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | 109.2 | SW-Lo | 4 | 4 | 4 | OOS | 4 | 4 | 4 | 24 | |
| 168.1 | 58.9 | 35.0% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | 109.2 | SW-Lo | 5 | 4 | 4 | OOS | 4 | 4 | 4 | 25 | |
| 170.1 | 60.9 | 35.8% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | 109.2 | SW-Lo | 5 | 5 | 4 | OOS | 4 | 4 | 4 | 26 | |
| 172.0 | 62.8 | 36.5% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | 109.2 | SW-Lo | 5 | 5 | 5 | OOS | 4 | 4 | 4 | 27 | |
| 174.0 | 64.8 | 37.2% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | 109.2 | SW-Lo | 5 | 5 | 5 | OOS | 5 | 4 | 4 | 28 | |
| 176.0 | 66.8 | 37.9% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | 109.2 | SW-Lo | 5 | 5 | 5 | OOS | 5 | 5 | 4 | 29 | |
| 177.9 | 68.7 | 38.6% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | 109.2 | SW-Lo | 5 | 5 | 5 | OOS | 5 | 5 | 5 | 30 | |
| 179.9 | 70.7 | 39.3% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | 109.2 | SW-Lo | 6 | 5 | 5 | OOS | 5 | 5 | 5 | 31 | |
| 181.9 | 72.7 | 40.0% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | 109.2 | SW-Lo | 6 | 6 | 5 | OOS | 5 | 5 | 5 | 32 | |
| 183.8 | 74.6 | 40.6% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | 109.2 | SW-Lo | 6 | 6 | 6 | OOS | 5 | 5 | 5 | 33 | |
| 185.8 | 76.6 | 41.2% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | 109.2 | SW-Lo | 6 | 6 | 6 | OOS | 6 | 5 | 5 | 34 | |
| 187.8 | 78.6 | 41.8% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | 109.2 | SW-Lo | 6 | 6 | 6 | OOS | 6 | 6 | 5 | 35 | |
| 189.7 | 80.5 | 42.4% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | 109.2 | SW-Lo | 6 | 6 | 6 | OOS | 6 | 6 | 6 | 36 | |

Table LGS-8-TEMPORARY (revised April 1, 2016, for Bay 5 OOS). Little Goose Dam Spill Patterns with Spillway Weir in Low Crest (SW-Lo) Elevation

| Outflow ^a (kcfs) | Spill ^b | | Turbine Unit Outflow (kcfs) ^c | | | | | | | SW-Lo Spill Patterns - Gate Stops (#) per Spillbay | | | | | | | | Comments (see footnotes) | |
|--------------------------------|--------------------|-------|--|------|------|------|------|------|-------|--|---|---|---|-----|---|---|---|--------------------------|-------|
| | (kcfs) | (%) | 1 ^d | 2 | 3 | 4 | 5 | 6 | TOTAL | 1 ^e | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | TOTAL |
| 191.7 | 82.5 | 43.0% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | 109.2 | SW-Lo | 7 | 6 | 6 | OOS | 6 | 6 | 6 | 37 | |
| 193.6 | 84.4 | 43.6% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | 109.2 | SW-Lo | 7 | 7 | 6 | OOS | 6 | 6 | 6 | 38 | |
| 195.6 | 86.4 | 44.2% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | 109.2 | SW-Lo | 7 | 7 | 7 | OOS | 6 | 6 | 6 | 39 | |
| 197.5 | 88.3 | 44.7% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | 109.2 | SW-Lo | 7 | 7 | 7 | OOS | 7 | 6 | 6 | 40 | |
| 199.5 | 90.3 | 45.3% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | 109.2 | SW-Lo | 7 | 7 | 7 | OOS | 7 | 7 | 6 | 41 | |
| 201.4 | 92.2 | 45.8% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | 109.2 | SW-Lo | 7 | 7 | 7 | OOS | 7 | 7 | 7 | 42 | |
| 203.4 | 94.2 | 46.3% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | 109.2 | SW-Lo | 8 | 7 | 7 | OOS | 7 | 7 | 7 | 43 | |
| 205.3 | 96.1 | 46.8% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | 109.2 | SW-Lo | 8 | 8 | 7 | OOS | 7 | 7 | 7 | 44 | |
| 207.3 | 98.1 | 47.3% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | 109.2 | SW-Lo | 8 | 8 | 8 | OOS | 7 | 7 | 7 | 45 | |
| 209.2 | 100.0 | 47.8% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | 109.2 | SW-Lo | 8 | 8 | 8 | OOS | 8 | 7 | 7 | 46 | |
| 211.2 | 102.0 | 48.3% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | 109.2 | SW-Lo | 8 | 8 | 8 | OOS | 8 | 8 | 7 | 47 | |
| 213.1 | 103.9 | 48.8% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | 109.2 | SW-Lo | 8 | 8 | 8 | OOS | 8 | 8 | 8 | 48 | |

a. At Total Outflow >156 kcfs, spill is >30% due to PH at maximum capacity (~109 kcfs).

b. This table defines spill patterns in increments of one gate stop per row. Spill (kcfs) is calculated as a function of the total number of stops at forebay elevation 633.5 ft (in MOP range 633.0–633.5 ft).

c. Units operated in priority order 1→6 (Table LGS-5) within 1% (Table LGS-6, -7). Unit outflows are estimates of how Unit 1 special operation will work, not precise requirement.

d. Unit 1 manually restricted to upper 1% range (115–125 MW; ~16.0–17.5 kcfs) to disrupt tailrace eddy that forms during spill through SW in Bay 1. Assume Unit 1 is at lower end of the upper 1% range.

e. SW operating criteria defined in section 2.3.3.7. Flow >85 kcfs = SW-Lo / Flow 50-85 kcfs = SW-Hi / Flow <50 kcfs = SW close.