

UNITED STATES DEPARTMENT OF THE INTERIOR
 U.S. BUREAU OF RECLAMATION-CENTRAL VALLEY PROJECT-CALIFORNIA

JULY 2017

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: August 11, 2017

| DAY | SHASTA INFLOW C. F. S. | PREV DAY F. C. PAR (COL 3) X .95 | F. C. PARAM (COLS. 1 + 2) | .0356* X DAYS 12/23 THRU 3/20 | 530,000 MINUS F. C. PARAM (COL 3) | COLS 4 X 5 | F. C. RESERV (1,300,000 - COL 6) | MINUS 14,943 PER DAY AFTER 3/20 | ADJUSTED F. C. RESERV (7-8) | PERM STORAGE |
|-----|------------------------------|---|-------------------------------------|--|---|---------------|--|---|--------------------------------------|-----------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | |
| | | | 139,949 | | | | | | | |
| 1 | 4,785 | 132,952 | 137,737 | | | | | | | 6,491,000 |
| 2 | 4,291 | 130,850 | 135,141 | | | | | | | 6,470,000 |
| 3 | 5,557 | 128,384 | 133,941 | | | | | | | 6,449,000 |
| 4 | 4,407 | 127,244 | 131,651 | | | | | | | 6,427,000 |
| 5 | 4,143 | 125,068 | 129,211 | | | | | | | 6,406,000 |
| 6 | 4,401 | 122,751 | 127,152 | | | | | | | 6,385,000 |
| 7 | 3,825 | 120,794 | 124,619 | | | | | | | 6,363,000 |
| 8 | 4,586 | 118,388 | 122,974 | | | | | | | 6,342,000 |
| 9 | 4,361 | 116,825 | 121,186 | | | | | | | 6,321,000 |
| 10 | 5,474 | 115,127 | 120,601 | | | | | | | 6,300,000 |
| 11 | 3,819 | 114,571 | 118,390 | | | | | | | 6,278,000 |
| 12 | 3,930 | 112,471 | 116,401 | | | | | | | 6,257,000 |
| 13 | 3,903 | 110,581 | 114,484 | | | | | | | 6,236,000 |
| 14 | 6,847 | 108,759 | 115,606 | | | | | | | 6,214,000 |
| 15 | 5,104 | 109,826 | 114,930 | | | | | | | 6,193,000 |
| 16 | 4,439 | 109,184 | 113,623 | | | | | | | 6,172,000 |
| 17 | 3,404 | 107,941 | 111,345 | | | | | | | 6,150,000 |
| 18 | 4,369 | 105,778 | 110,147 | | | | | | | 6,129,000 |
| 19 | 4,665 | 104,640 | 109,305 | | | | | | | 6,108,000 |
| 20 | 3,462 | 103,840 | 107,302 | | | | | | | 6,086,000 |
| 21 | 3,408 | 101,936 | 105,344 | | | | | | | 6,065,000 |
| 22 | 3,746 | 100,077 | 103,823 | | | | | | | 6,044,000 |
| 23 | 4,251 | 98,632 | 102,883 | | | | | | | 6,022,000 |
| 24 | 3,989 | 97,739 | 101,728 | | | | | | | 6,001,000 |
| 25 | 3,715 | 96,642 | 100,357 | | | | | | | 5,980,000 |
| 26 | 3,353 | 95,339 | 98,692 | | | | | | | 5,959,000 |
| 27 | 3,977 | 93,757 | 97,734 | | | | | | | 5,937,000 |
| 28 | 4,032 | 92,847 | 96,879 | | | | | | | 5,916,000 |
| 29 | 3,856 | 92,035 | 95,891 | | | | | | | 5,895,000 |
| 30 | 3,925 | 91,097 | 95,022 | | | | | | | 5,873,000 |
| 31 | 4,454 | 90,271 | 94,725 | | | | | | | 5,852,000 |

COMMENTS:

* LEAP YEAR CONSTANT = .0352

CONSTANT .0356 = 1,300,000 / (TOTAL DAYS X (530,000 - 110,000))

IF COL 3 IS GREATER THAN 530,000 OR LESS THAN 110,000 USE THOSE VALUES FOR COL 3 INSTEAD OF THE COMPUTED VALUE.