

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

JUNE 2001

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: July 16, 2001

| 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 | | |
| | | | 118,530 | | | | | | | |
| 1 | 4,509 | 112,604 | 117,113 | 3.0972 | 412,887 | 1,278,795 | 21,205 | 1,090,839 | | 4,552,000 |
| 2 | 3,089 | 111,257 | 114,346 | 3.0972 | 415,654 | 1,287,364 | 12,636 | 1,105,782 | | 4,552,000 |
| 3 | 2,495 | 108,629 | 111,124 | 3.0972 | 418,876 | 1,297,344 | 2,656 | 1,120,725 | | 4,552,000 |
| 4 | 4,376 | 105,568 | 109,944 | 3.0972 | 420,000 | 1,300,000 | 0 | 1,135,668 | | 4,552,000 |
| 5 | 5,652 | 104,446 | 110,098 | 3.0972 | 419,902 | 1,300,000 | 0 | 1,150,611 | | 4,552,000 |
| 6 | 4,638 | 104,593 | 109,231 | 3.0972 | 420,000 | 1,300,000 | 0 | 1,165,554 | | 4,552,000 |
| 7 | 4,454 | 103,770 | 108,224 | 3.0972 | 420,000 | 1,300,000 | 0 | 1,180,497 | | 4,552,000 |
| 8 | 5,730 | 102,813 | 108,543 | 3.0972 | 420,000 | 1,300,000 | 0 | 1,195,440 | | 4,552,000 |
| 9 | 2,379 | 103,116 | 105,495 | 3.0972 | 420,000 | 1,300,000 | 0 | 1,210,383 | | 4,552,000 |
| 10 | 2,327 | 100,220 | 102,547 | 3.0972 | 420,000 | 1,300,000 | 0 | 1,225,326 | | 4,552,000 |
| 11 | 5,151 | 97,419 | 102,570 | 3.0972 | 420,000 | 1,300,000 | 0 | 1,240,269 | | 4,552,000 |
| 12 | 5,202 | 97,442 | 102,644 | 3.0972 | 420,000 | 1,300,000 | 0 | 1,255,212 | | 4,552,000 |
| 13 | 4,381 | 97,512 | 101,893 | 3.0972 | 420,000 | 1,300,000 | 0 | 1,270,155 | | 4,552,000 |
| 14 | 4,677 | 96,798 | 101,475 | 3.0972 | 420,000 | 1,300,000 | 0 | 1,285,098 | | 4,552,000 |
| 15 | 4,887 | 96,401 | 101,288 | 3.0972 | 420,000 | 1,300,000 | 0 | 1,300,041 | | 4,552,000 |

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.