

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

DECEMBER 2000

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: February 1, 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 | | |
| | | | 92,019 | | | | | | | |
| 1 | 5,774 | 87,418 | 93,192 | | | | | | | 3,252,000 |
| 2 | 4,931 | 88,533 | 93,464 | | | | | | | 3,252,000 |
| 3 | 5,225 | 88,790 | 94,015 | | | | | | | 3,252,000 |
| 4 | 5,239 | 89,315 | 94,554 | | | | | | | 3,252,000 |
| 5 | 5,740 | 89,826 | 95,566 | | | | | | | 3,252,000 |
| 6 | 5,319 | 90,788 | 96,107 | | | | | | | 3,252,000 |
| 7 | 5,607 | 91,301 | 96,908 | | | | | | | 3,252,000 |
| 8 | 3,918 | 92,063 | 95,981 | | | | | | | 3,252,000 |
| 9 | 3,084 | 91,182 | 94,266 | | | | | | | 3,252,000 |
| 10 | 2,698 | 89,553 | 92,251 | | | | | | | 3,252,000 |
| 11 | 6,006 | 87,638 | 93,644 | | | | | | | 3,252,000 |
| 12 | 5,297 | 88,962 | 94,259 | | | | | | | 3,252,000 |
| 13 | 8,210 | 89,546 | 97,756 | | | | | | | 3,252,000 |
| 14 | 8,120 | 92,868 | 100,988 | | | | | | | 3,252,000 |
| 15 | 7,556 | 95,939 | 103,495 | | | | | | | 3,252,000 |
| 16 | 4,699 | 98,320 | 103,019 | | | | | | | 3,252,000 |
| 17 | 4,620 | 97,868 | 102,488 | | | | | | | 3,252,000 |
| 18 | 5,041 | 97,364 | 102,405 | | | | | | | 3,252,000 |
| 19 | 5,978 | 97,284 | 103,262 | | | | | | | 3,252,000 |
| 20 | 6,162 | 98,099 | 104,261 | | | | | | | 3,252,000 |
| 21 | 4,833 | 99,048 | 103,881 | | | | | | | 3,252,000 |
| 22 | 6,145 | 98,687 | 104,832 | | | | | | | 3,252,000 |
| 23 | 3,922 | 99,591 | 103,513 | | | | | | | 3,252,000 |
| 24 | 2,523 | 98,337 | 100,860 | 0.0356 | 420,000 | 14,952 | 1,285,048 | | | 3,267,000 |
| 25 | 2,364 | 95,817 | 98,181 | 0.0712 | 420,000 | 29,904 | 1,270,096 | | | 3,282,000 |
| 26 | 4,096 | 93,272 | 97,368 | 0.1068 | 420,000 | 44,856 | 1,255,144 | | | 3,297,000 |
| 27 | 5,017 | 92,499 | 97,516 | 0.1424 | 420,000 | 59,808 | 1,240,192 | | | 3,312,000 |
| 28 | 5,385 | 92,641 | 98,026 | 0.1780 | 420,000 | 74,760 | 1,225,240 | | | 3,327,000 |
| 29 | 6,198 | 93,124 | 99,322 | 0.2136 | 420,000 | 89,712 | 1,210,288 | | | 3,342,000 |
| 30 | 4,543 | 94,356 | 98,899 | 0.2492 | 420,000 | 104,664 | 1,195,336 | | | 3,357,000 |
| 31 | 3,550 | 93,954 | 97,504 | 0.2848 | 420,000 | 119,616 | 1,180,384 | | | 3,372,000 |

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.