

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

JUNE 2018

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: July 17, 2018

| DAY | SHASTA<br>INFLOW<br>C. F. S. | PREV DAY<br>F. C. PAR<br>(COL 3) | F. C.<br>PARAM<br>(COLS.<br>1 + 2 ) | .0356*<br>X DAYS<br>12/23 THRU<br>3/20 | 530,000<br>MINUS<br>F. C.<br>PARAM | COLS      | F. C.<br>RESERV<br>(1,300,000<br>- COL 6 ) | MINUS<br>14,943<br>PER DAY<br>AFTER | ADJUSTED<br>F. C.<br>RESERV<br>(7-8) | PERM<br>STORAGE |
|-----|------------------------------|----------------------------------|-------------------------------------|----------------------------------------|------------------------------------|-----------|--------------------------------------------|-------------------------------------|--------------------------------------|-----------------|
| 1   | 2                            | 3                                | 4                                   | 5                                      | 6                                  | 7         | 8                                          |                                     |                                      |                 |
|     |                              |                                  | 107,614                             |                                        |                                    |           |                                            |                                     |                                      |                 |
| 1   | 5,284                        | 102,233                          | 107,517                             | 3.0972                                 | 420,000                            | 1,300,000 | 0                                          | 1,090,839                           |                                      | 4,552,000       |
| 2   | 6,756                        | 102,141                          | 108,897                             | 3.0972                                 | 420,000                            | 1,300,000 | 0                                          | 1,105,782                           |                                      | 4,552,000       |
| 3   | 6,120                        | 103,453                          | 109,573                             | 3.0972                                 | 420,000                            | 1,300,000 | 0                                          | 1,120,725                           |                                      | 4,552,000       |
| 4   | 5,512                        | 104,094                          | 109,606                             | 3.0972                                 | 420,000                            | 1,300,000 | 0                                          | 1,135,668                           |                                      | 4,552,000       |
| 5   | 5,824                        | 104,126                          | 109,950                             | 3.0972                                 | 420,000                            | 1,300,000 | 0                                          | 1,150,611                           |                                      | 4,552,000       |
| 6   | 4,533                        | 104,452                          | 108,985                             | 3.0972                                 | 420,000                            | 1,300,000 | 0                                          | 1,165,554                           |                                      | 4,552,000       |
| 7   | 4,571                        | 103,536                          | 108,107                             | 3.0972                                 | 420,000                            | 1,300,000 | 0                                          | 1,180,497                           |                                      | 4,552,000       |
| 8   | 4,339                        | 102,702                          | 107,041                             | 3.0972                                 | 420,000                            | 1,300,000 | 0                                          | 1,195,440                           |                                      | 4,552,000       |
| 9   | 3,290                        | 101,689                          | 104,979                             | 3.0972                                 | 420,000                            | 1,300,000 | 0                                          | 1,210,383                           |                                      | 4,552,000       |
| 10  | 3,216                        | 99,730                           | 102,946                             | 3.0972                                 | 420,000                            | 1,300,000 | 0                                          | 1,225,326                           |                                      | 4,552,000       |
| 11  | 2,708                        | 97,798                           | 100,506                             | 3.0972                                 | 420,000                            | 1,300,000 | 0                                          | 1,240,269                           |                                      | 4,552,000       |
| 12  | 3,298                        | 95,481                           | 98,779                              | 3.0972                                 | 420,000                            | 1,300,000 | 0                                          | 1,255,212                           |                                      | 4,552,000       |
| 13  | 5,940                        | 93,840                           | 99,780                              | 3.0972                                 | 420,000                            | 1,300,000 | 0                                          | 1,270,155                           |                                      | 4,552,000       |
| 14  | 3,404                        | 94,791                           | 98,195                              | 3.0972                                 | 420,000                            | 1,300,000 | 0                                          | 1,285,098                           |                                      | 4,552,000       |
| 15  | 5,727                        | 93,285                           | 99,012                              | 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.