

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

AUGUST 2008

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: September 1, 2008

| 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                                   |                                      |                 |
|     |                              |                                  | 64,501                              |                                        |                                    |      |                                            |                                     |                                      |                 |
| 1   | 2,965                        | 61,276                           | 64,241                              |                                        |                                    |      |                                            |                                     |                                      | 5,831,000       |
| 2   | 2,240                        | 61,029                           | 63,269                              |                                        |                                    |      |                                            |                                     |                                      | 5,809,000       |
| 3   | 2,754                        | 60,105                           | 62,859                              |                                        |                                    |      |                                            |                                     |                                      | 5,788,000       |
| 4   | 2,340                        | 59,716                           | 62,056                              |                                        |                                    |      |                                            |                                     |                                      | 5,767,000       |
| 5   | 2,799                        | 58,953                           | 61,752                              |                                        |                                    |      |                                            |                                     |                                      | 5,745,000       |
| 6   | 2,636                        | 58,665                           | 61,301                              |                                        |                                    |      |                                            |                                     |                                      | 5,724,000       |
| 7   | 2,380                        | 58,236                           | 60,616                              |                                        |                                    |      |                                            |                                     |                                      | 5,703,000       |
| 8   | 2,480                        | 57,585                           | 60,065                              |                                        |                                    |      |                                            |                                     |                                      | 5,682,000       |
| 9   | 2,159                        | 57,062                           | 59,221                              |                                        |                                    |      |                                            |                                     |                                      | 5,660,000       |
| 10  | 2,412                        | 56,260                           | 58,672                              |                                        |                                    |      |                                            |                                     |                                      | 5,639,000       |
| 11  | 2,589                        | 55,738                           | 58,327                              |                                        |                                    |      |                                            |                                     |                                      | 5,618,000       |
| 12  | 2,646                        | 55,411                           | 58,057                              |                                        |                                    |      |                                            |                                     |                                      | 5,596,000       |
| 13  | 3,010                        | 55,154                           | 58,164                              |                                        |                                    |      |                                            |                                     |                                      | 5,575,000       |
| 14  | 3,591                        | 55,256                           | 58,847                              |                                        |                                    |      |                                            |                                     |                                      | 5,554,000       |
| 15  | 3,446                        | 55,904                           | 59,350                              |                                        |                                    |      |                                            |                                     |                                      | 5,532,000       |
| 16  | 2,247                        | 56,383                           | 58,630                              |                                        |                                    |      |                                            |                                     |                                      | 5,511,000       |
| 17  | 2,651                        | 55,698                           | 58,349                              |                                        |                                    |      |                                            |                                     |                                      | 5,490,000       |
| 18  | 2,179                        | 55,432                           | 57,611                              |                                        |                                    |      |                                            |                                     |                                      | 5,468,000       |
| 19  | 2,724                        | 54,730                           | 57,454                              |                                        |                                    |      |                                            |                                     |                                      | 5,447,000       |
| 20  | 2,878                        | 54,582                           | 57,460                              |                                        |                                    |      |                                            |                                     |                                      | 5,426,000       |
| 21  | 3,075                        | 54,587                           | 57,662                              |                                        |                                    |      |                                            |                                     |                                      | 5,404,000       |
| 22  | 2,960                        | 54,779                           | 57,739                              |                                        |                                    |      |                                            |                                     |                                      | 5,383,000       |
| 23  | 2,819                        | 54,852                           | 57,671                              |                                        |                                    |      |                                            |                                     |                                      | 5,362,000       |
| 24  | 2,090                        | 54,787                           | 56,877                              |                                        |                                    |      |                                            |                                     |                                      | 5,341,000       |
| 25  | 2,936                        | 54,033                           | 56,969                              |                                        |                                    |      |                                            |                                     |                                      | 5,319,000       |
| 26  | 2,722                        | 54,121                           | 56,843                              |                                        |                                    |      |                                            |                                     |                                      | 5,298,000       |
| 27  | 3,016                        | 54,001                           | 57,017                              |                                        |                                    |      |                                            |                                     |                                      | 5,277,000       |
| 28  | 3,120                        | 54,166                           | 57,286                              |                                        |                                    |      |                                            |                                     |                                      | 5,255,000       |
| 29  | 3,953                        | 54,422                           | 58,375                              |                                        |                                    |      |                                            |                                     |                                      | 5,234,000       |
| 30  | 4,999                        | 55,456                           | 60,455                              |                                        |                                    |      |                                            |                                     |                                      | 5,213,000       |
| 31  | 4,051                        | 57,432                           | 61,483                              |                                        |                                    |      |                                            |                                     |                                      | 5,191,000       |

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