

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

AUGUST 2011

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: September 1, 2011

| DAY | SHASTA<br>INFLOW<br>C. F. S. | PREV DAY<br>F. C. PAR<br>(COL 3)<br>X .95 | 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<br>(COL 3) | COLS<br>4 X 5 | F. C.<br>RESERV<br>(1,300,000<br>- COL 6 ) | MINUS<br>14,943<br>PER DAY<br>AFTER<br>3/20 | ADJUSTED<br>F. C.<br>RESERV<br>(7-8) | PERM<br>STORAGE |
|-----|------------------------------|-------------------------------------------|-------------------------------------|----------------------------------------|-----------------------------------------------|---------------|--------------------------------------------|---------------------------------------------|--------------------------------------|-----------------|
| 1   | 2                            | 3                                         | 4                                   | 5                                      | 6                                             | 7             | 8                                          |                                             |                                      |                 |
|     |                              |                                           | 108,684                             |                                        |                                               |               |                                            |                                             |                                      |                 |
| 1   | 3,728                        | 103,250                                   | 106,978                             |                                        |                                               |               |                                            |                                             |                                      | 5,831,000       |
| 2   | 3,574                        | 101,629                                   | 105,203                             |                                        |                                               |               |                                            |                                             |                                      | 5,809,000       |
| 3   | 3,604                        | 99,943                                    | 103,547                             |                                        |                                               |               |                                            |                                             |                                      | 5,788,000       |
| 4   | 4,185                        | 98,369                                    | 102,554                             |                                        |                                               |               |                                            |                                             |                                      | 5,767,000       |
| 5   | 3,141                        | 97,427                                    | 100,568                             |                                        |                                               |               |                                            |                                             |                                      | 5,745,000       |
| 6   | 3,258                        | 95,539                                    | 98,797                              |                                        |                                               |               |                                            |                                             |                                      | 5,724,000       |
| 7   | 3,301                        | 93,857                                    | 97,158                              |                                        |                                               |               |                                            |                                             |                                      | 5,703,000       |
| 8   | 3,280                        | 92,301                                    | 95,581                              |                                        |                                               |               |                                            |                                             |                                      | 5,682,000       |
| 9   | 4,099                        | 90,802                                    | 94,901                              |                                        |                                               |               |                                            |                                             |                                      | 5,660,000       |
| 10  | 3,982                        | 90,156                                    | 94,138                              |                                        |                                               |               |                                            |                                             |                                      | 5,639,000       |
| 11  | 4,035                        | 89,431                                    | 93,466                              |                                        |                                               |               |                                            |                                             |                                      | 5,618,000       |
| 12  | 3,573                        | 88,792                                    | 92,365                              |                                        |                                               |               |                                            |                                             |                                      | 5,596,000       |
| 13  | 3,918                        | 87,747                                    | 91,665                              |                                        |                                               |               |                                            |                                             |                                      | 5,575,000       |
| 14  | 3,300                        | 87,082                                    | 90,382                              |                                        |                                               |               |                                            |                                             |                                      | 5,554,000       |
| 15  | 3,383                        | 85,863                                    | 89,246                              |                                        |                                               |               |                                            |                                             |                                      | 5,532,000       |
| 16  | 3,756                        | 84,783                                    | 88,539                              |                                        |                                               |               |                                            |                                             |                                      | 5,511,000       |
| 17  | 3,364                        | 84,112                                    | 87,476                              |                                        |                                               |               |                                            |                                             |                                      | 5,490,000       |
| 18  | 3,446                        | 83,103                                    | 86,549                              |                                        |                                               |               |                                            |                                             |                                      | 5,468,000       |
| 19  | 3,723                        | 82,221                                    | 85,944                              |                                        |                                               |               |                                            |                                             |                                      | 5,447,000       |
| 20  | 3,512                        | 81,647                                    | 85,159                              |                                        |                                               |               |                                            |                                             |                                      | 5,426,000       |
| 21  | 3,416                        | 80,901                                    | 84,317                              |                                        |                                               |               |                                            |                                             |                                      | 5,404,000       |
| 22  | 3,537                        | 80,101                                    | 83,638                              |                                        |                                               |               |                                            |                                             |                                      | 5,383,000       |
| 23  | 3,987                        | 79,456                                    | 83,443                              |                                        |                                               |               |                                            |                                             |                                      | 5,362,000       |
| 24  | 3,691                        | 79,271                                    | 82,962                              |                                        |                                               |               |                                            |                                             |                                      | 5,341,000       |
| 25  | 3,664                        | 78,814                                    | 82,478                              |                                        |                                               |               |                                            |                                             |                                      | 5,319,000       |
| 26  | 3,681                        | 78,354                                    | 82,035                              |                                        |                                               |               |                                            |                                             |                                      | 5,298,000       |
| 27  | 3,277                        | 77,933                                    | 81,210                              |                                        |                                               |               |                                            |                                             |                                      | 5,277,000       |
| 28  | 2,967                        | 77,150                                    | 80,117                              |                                        |                                               |               |                                            |                                             |                                      | 5,255,000       |
| 29  | 3,252                        | 76,111                                    | 79,363                              |                                        |                                               |               |                                            |                                             |                                      | 5,234,000       |
| 30  | 3,441                        | 75,395                                    | 78,836                              |                                        |                                               |               |                                            |                                             |                                      | 5,213,000       |
| 31  | 3,293                        | 74,894                                    | 78,187                              |                                        |                                               |               |                                            |                                             |                                      | 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.