

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

JULY 2011

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: August 3, 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                                          |                                             |                                      |                 |
|     |                              |                                           | 194,696                             |                                        |                                               |               |                                            |                                             |                                      |                 |
| 1   | 7,072                        | 184,961                                   | 192,033                             |                                        |                                               |               |                                            |                                             |                                      | 6,491,000       |
| 2   | 7,287                        | 182,432                                   | 189,719                             |                                        |                                               |               |                                            |                                             |                                      | 6,470,000       |
| 3   | 6,994                        | 180,233                                   | 187,227                             |                                        |                                               |               |                                            |                                             |                                      | 6,449,000       |
| 4   | 6,757                        | 177,865                                   | 184,622                             |                                        |                                               |               |                                            |                                             |                                      | 6,427,000       |
| 5   | 5,901                        | 175,391                                   | 181,292                             |                                        |                                               |               |                                            |                                             |                                      | 6,406,000       |
| 6   | 5,458                        | 172,228                                   | 177,686                             |                                        |                                               |               |                                            |                                             |                                      | 6,385,000       |
| 7   | 5,559                        | 168,801                                   | 174,360                             |                                        |                                               |               |                                            |                                             |                                      | 6,363,000       |
| 8   | 5,413                        | 165,642                                   | 171,055                             |                                        |                                               |               |                                            |                                             |                                      | 6,342,000       |
| 9   | 5,414                        | 162,502                                   | 167,916                             |                                        |                                               |               |                                            |                                             |                                      | 6,321,000       |
| 10  | 5,356                        | 159,521                                   | 164,877                             |                                        |                                               |               |                                            |                                             |                                      | 6,300,000       |
| 11  | 4,588                        | 156,633                                   | 161,221                             |                                        |                                               |               |                                            |                                             |                                      | 6,278,000       |
| 12  | 4,869                        | 153,160                                   | 158,029                             |                                        |                                               |               |                                            |                                             |                                      | 6,257,000       |
| 13  | 4,726                        | 150,127                                   | 154,853                             |                                        |                                               |               |                                            |                                             |                                      | 6,236,000       |
| 14  | 4,407                        | 147,111                                   | 151,518                             |                                        |                                               |               |                                            |                                             |                                      | 6,214,000       |
| 15  | 4,698                        | 143,942                                   | 148,640                             |                                        |                                               |               |                                            |                                             |                                      | 6,193,000       |
| 16  | 4,403                        | 141,208                                   | 145,611                             |                                        |                                               |               |                                            |                                             |                                      | 6,172,000       |
| 17  | 4,432                        | 138,330                                   | 142,762                             |                                        |                                               |               |                                            |                                             |                                      | 6,150,000       |
| 18  | 4,229                        | 135,624                                   | 139,853                             |                                        |                                               |               |                                            |                                             |                                      | 6,129,000       |
| 19  | 4,430                        | 132,860                                   | 137,290                             |                                        |                                               |               |                                            |                                             |                                      | 6,108,000       |
| 20  | 3,911                        | 130,426                                   | 134,337                             |                                        |                                               |               |                                            |                                             |                                      | 6,086,000       |
| 21  | 3,839                        | 127,620                                   | 131,459                             |                                        |                                               |               |                                            |                                             |                                      | 6,065,000       |
| 22  | 3,678                        | 124,886                                   | 128,564                             |                                        |                                               |               |                                            |                                             |                                      | 6,044,000       |
| 23  | 3,779                        | 122,136                                   | 125,915                             |                                        |                                               |               |                                            |                                             |                                      | 6,022,000       |
| 24  | 3,745                        | 119,619                                   | 123,364                             |                                        |                                               |               |                                            |                                             |                                      | 6,001,000       |
| 25  | 3,764                        | 117,196                                   | 120,960                             |                                        |                                               |               |                                            |                                             |                                      | 5,980,000       |
| 26  | 3,669                        | 114,912                                   | 118,581                             |                                        |                                               |               |                                            |                                             |                                      | 5,959,000       |
| 27  | 3,632                        | 112,652                                   | 116,284                             |                                        |                                               |               |                                            |                                             |                                      | 5,937,000       |
| 28  | 4,558                        | 110,470                                   | 115,028                             |                                        |                                               |               |                                            |                                             |                                      | 5,916,000       |
| 29  | 3,450                        | 109,276                                   | 112,726                             |                                        |                                               |               |                                            |                                             |                                      | 5,895,000       |
| 30  | 3,493                        | 107,090                                   | 110,583                             |                                        |                                               |               |                                            |                                             |                                      | 5,873,000       |
| 31  | 3,555                        | 105,054                                   | 108,609                             |                                        |                                               |               |                                            |                                             |                                      | 5,852,000       |

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.