



Historical Archive and Report Database

— BUREAU OF — Lake Shasta Flood Control Requirements
RECLAMATION

Run Date: 4/19/2023

January 2023

| Day | Shasta Inflow C.F.S. 1 | Prev Day F.C. Par (Col. 3) X .95 2 | F.C. Param (Cols. 1+2) 3 | .0356* X Days 12/23 Thru 3/20 4 | 530,000 Minus F.C. Param (Col 3) 5 | Cols 4x5 6 | F.C. Reserv (1,300,000 - Col 6) 7 | Minus 14,943 Per Day After 3/20 8 | Adjusted F.C. Reserv (7-8) | Perm Storage |
|-----|------------------------|------------------------------------|--------------------------|---------------------------------|------------------------------------|------------|-----------------------------------|-----------------------------------|----------------------------|--------------|
| | | | 98,334 | | | | | | | |
| 1 | 10,958 | 93,417 | 104,375 | 0.3204 | 420,000 | 134,568 | 1,165,432 | | | 3,387,000 |
| 2 | 6,266 | 99,157 | 105,423 | 0.3560 | 420,000 | 149,520 | 1,150,480 | | | 3,402,000 |
| 3 | 4,848 | 100,151 | 104,999 | 0.3916 | 420,000 | 164,472 | 1,135,528 | | | 3,416,000 |
| 4 | 7,409 | 99,749 | 107,158 | 0.4272 | 420,000 | 179,424 | 1,120,576 | | | 3,431,000 |
| 5 | 23,186 | 101,801 | 124,987 | 0.4628 | 405,014 | 187,440 | 1,112,560 | | | 3,439,000 |
| 6 | 19,844 | 118,737 | 138,581 | 0.4984 | 391,419 | 195,083 | 1,104,917 | | | 3,447,000 |
| 7 | 25,824 | 131,652 | 157,476 | 0.5340 | 372,524 | 198,928 | 1,101,072 | | | 3,451,000 |
| 8 | 38,931 | 149,602 | 188,533 | 0.5696 | 341,467 | 194,499 | 1,105,501 | | | 3,446,000 |
| 9 | 45,756 | 179,107 | 224,863 | 0.6052 | 305,137 | 184,669 | 1,115,331 | | | 3,437,000 |
| 10 | 34,559 | 213,620 | 248,179 | 0.6408 | 281,822 | 180,591 | 1,119,409 | | | 3,433,000 |
| 11 | 35,392 | 235,770 | 271,162 | 0.6764 | 258,838 | 175,078 | 1,124,922 | | | 3,427,000 |
| 12 | 37,755 | 257,604 | 295,359 | 0.7120 | 234,642 | 167,065 | 1,132,935 | | | 3,419,000 |
| 13 | 35,107 | 280,591 | 315,698 | 0.7476 | 214,302 | 160,212 | 1,139,788 | | | 3,412,000 |
| 14 | 49,972 | 299,913 | 349,885 | 0.7832 | 180,115 | 141,066 | 1,158,934 | | | 3,393,000 |
| 15 | 37,590 | 332,391 | 369,981 | 0.8188 | 160,020 | 131,024 | 1,168,976 | | | 3,383,000 |
| 16 | 25,871 | 351,482 | 377,353 | 0.8544 | 152,648 | 130,422 | 1,169,578 | | | 3,382,000 |
| 17 | 19,188 | 358,485 | 377,673 | 0.8900 | 152,327 | 135,571 | 1,164,429 | | | 3,388,000 |
| 18 | 15,052 | 358,789 | 373,841 | 0.9256 | 156,159 | 144,540 | 1,155,460 | | | 3,397,000 |
| 19 | 9,708 | 355,149 | 364,857 | 0.9612 | 165,143 | 158,735 | 1,141,265 | | | 3,411,000 |
| 20 | 9,059 | 346,614 | 355,673 | 0.9968 | 174,327 | 173,769 | 1,126,231 | | | 3,426,000 |
| 21 | 7,748 | 337,890 | 345,638 | 1.0324 | 184,362 | 190,336 | 1,109,664 | | | 3,442,000 |
| 22 | 9,079 | 328,356 | 337,435 | 1.0680 | 192,565 | 205,660 | 1,094,340 | | | 3,458,000 |
| 23 | 8,010 | 320,563 | 328,573 | 1.1036 | 201,427 | 222,295 | 1,077,705 | | | 3,474,000 |
| 24 | 8,001 | 312,144 | 320,145 | 1.1392 | 209,855 | 239,066 | 1,060,934 | | | 3,491,000 |
| 25 | 6,898 | 304,138 | 311,036 | 1.1748 | 218,964 | 257,239 | 1,042,761 | | | 3,509,000 |
| 26 | 6,145 | 295,484 | 301,629 | 1.2104 | 228,371 | 276,420 | 1,023,580 | | | 3,528,000 |
| 27 | 6,603 | 286,548 | 293,151 | 1.2460 | 236,849 | 295,114 | 1,004,886 | | | 3,547,000 |
| 28 | 5,402 | 278,493 | 283,895 | 1.2816 | 246,105 | 315,408 | 984,592 | | | 3,567,000 |
| 29 | 6,302 | 269,700 | 276,002 | 1.3172 | 253,998 | 334,566 | 965,434 | | | 3,587,000 |
| 30 | 7,535 | 262,202 | 269,737 | 1.3528 | 260,263 | 352,083 | 947,917 | | | 3,604,000 |
| 31 | 3,618 | 256,250 | 259,868 | 1.3884 | 270,132 | 375,051 | 924,949 | | | 3,627,000 |

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