

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

DECEMBER 2011

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: January 10, 2012

DAY	SHASTA INFLOW C. F. S.	PREV DAY F. C. PAR (COL 3) X .95	F. C. PARAM (COLS. 1 + 2)	.0356* X DAYS 12/23 THRU 3/20	530,000 MINUS F. C. PARAM (COL 3)	COLS 4 X 5	F. C. RESERV (1,300,000 - COL 6)	MINUS 14,943 PER DAY AFTER 3/20	ADJUSTED F. C. RESERV (7-8)	PERM STORAGE
1	2	3	4	5	6	7	8			
			82,282							
1	4,110	78,168	82,278							3,252,000
2	5,271	78,164	83,435							3,252,000
3	4,391	79,264	83,655							3,252,000
4	3,698	79,472	83,170							3,252,000
5	3,862	79,011	82,873							3,252,000
6	3,599	78,730	82,329							3,252,000
7	3,438	78,212	81,650							3,252,000
8	3,567	77,568	81,135							3,252,000
9	3,438	77,078	80,516							3,252,000
10	3,679	76,490	80,169							3,252,000
11	3,465	76,161	79,626							3,252,000
12	4,173	75,644	79,817							3,252,000
13	3,467	75,827	79,294							3,252,000
14	3,175	75,329	78,504							3,252,000
15	3,350	74,579	77,929							3,252,000
16	2,887	74,032	76,919							3,252,000
17	2,857	73,073	75,930							3,252,000
18	3,044	72,134	75,178							3,252,000
19	3,435	71,419	74,854							3,252,000
20	6,018	71,111	77,129							3,252,000
21	6,691	73,273	79,964							3,252,000
22	1,947	75,966	77,913							3,252,000
23	2,253	74,017	76,270							3,252,000
24	2,492	72,456	74,948	0.0352	420,000	14,784	1,285,216			3,267,000
25	3,285	71,201	74,486	0.0704	420,000	29,568	1,270,432			3,282,000
26	3,477	70,762	74,239	0.1056	420,000	44,352	1,255,648			3,296,000
27	4,728	70,527	75,255	0.1408	420,000	59,136	1,240,864			3,311,000
28	4,350	71,492	75,842	0.1760	420,000	73,920	1,226,080			3,326,000
29	2,287	72,050	74,337	0.2112	420,000	88,704	1,211,296			3,341,000
30	3,786	70,620	74,406	0.2464	420,000	103,488	1,196,512			3,355,000
31	2,101	70,686	72,787	0.2816	420,000	118,272	1,181,728			3,370,000

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.