

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

MARCH 2013

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: May 10, 2013

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			
			126,250							
1	5,806	119,937	125,743	2.4208	404,257	978,624	321,376			4,231,000
2	5,985	119,456	125,441	2.4564	404,559	993,758	306,242			4,246,000
3	5,800	119,169	124,969	2.4920	405,031	1,009,337	290,663			4,261,000
4	5,740	118,721	124,461	2.5276	405,539	1,025,041	274,959			4,277,000
5	6,031	118,238	124,269	2.5632	405,731	1,039,970	260,030			4,292,000
6	8,534	118,055	126,589	2.5988	403,411	1,048,384	251,616			4,300,000
7	7,498	120,260	127,758	2.6344	402,242	1,059,667	240,333			4,312,000
8	7,558	121,370	128,928	2.6700	401,072	1,070,863	229,137			4,323,000
9	6,354	122,482	128,836	2.7056	401,164	1,085,391	214,609			4,337,000
10	6,689	122,394	129,083	2.7412	400,917	1,098,994	201,006			4,351,000
11	6,588	122,629	129,217	2.7768	400,783	1,112,895	187,105			4,365,000
12	4,982	122,756	127,738	2.8124	402,262	1,131,322	168,678			4,383,000
13	5,066	121,351	126,417	2.8480	403,583	1,149,405	150,595			4,401,000
14	6,896	120,096	126,992	2.8836	403,008	1,162,114	137,886			4,414,000
15	6,470	120,642	127,112	2.9192	402,888	1,176,109	123,891			4,428,000
16	6,472	120,757	127,229	2.9548	402,771	1,190,108	109,892			4,442,000
17	7,032	120,867	127,899	2.9904	402,101	1,202,442	97,558			4,454,000
18	6,051	121,504	127,555	3.0260	402,445	1,217,797	82,203			4,470,000
19	5,831	121,178	127,009	3.0616	402,991	1,233,798	66,202			4,486,000
20	9,834	120,658	130,492	3.0972	399,508	1,237,356	62,644			4,489,000
21	6,745	123,968	130,713	3.0972	399,287	1,236,673	63,327	14,943	48,384	4,504,000
22	7,792	124,177	131,969	3.0972	398,031	1,232,782	67,218	29,886	37,332	4,515,000
23	8,220	125,371	133,591	3.0972	396,409	1,227,759	72,241	44,829	27,412	4,525,000
24	6,589	126,911	133,500	3.0972	396,500	1,228,040	71,960	59,772	12,188	4,540,000
25	5,835	126,825	132,660	3.0972	397,340	1,230,641	69,359	74,715		4,552,000
26	5,983	126,027	132,010	3.0972	397,990	1,232,655	67,345	89,658		4,552,000
27	6,207	125,409	131,616	3.0972	398,384	1,233,873	66,127	104,601		4,552,000
28	6,349	125,036	131,385	3.0972	398,615	1,234,591	65,409	119,544		4,552,000
29	6,531	124,815	131,346	3.0972	398,654	1,234,710	65,290	134,487		4,552,000
30	7,013	124,779	131,792	3.0972	398,208	1,233,329	66,671	149,430		4,552,000
31	10,069	125,203	135,272	3.0972	394,728	1,222,553	77,447	164,373		4,552,000

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.