

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

MARCH 2015

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: April 8, 2015

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		
			198,754							
1	6,303	188,817	195,120	2.4208	334,880	810,679	489,321			4,063,000
2	4,789	185,364	190,153	2.4564	339,847	834,801	465,199			4,087,000
3	3,979	180,645	184,624	2.4920	345,376	860,677	439,323			4,113,000
4	4,459	175,393	179,852	2.5276	350,148	885,035	414,965			4,137,000
5	4,406	170,859	175,265	2.5632	354,735	909,256	390,744			4,161,000
6	4,226	166,502	170,728	2.5988	359,272	933,676	366,324			4,186,000
7	3,671	162,192	165,863	2.6344	364,137	959,284	340,716			4,211,000
8	3,999	157,569	161,568	2.6700	368,432	983,712	316,288			4,236,000
9	4,403	153,490	157,893	2.7056	372,107	1,006,773	293,227			4,259,000
10	4,473	149,998	154,471	2.7412	375,529	1,029,399	270,601			4,281,000
11	5,085	146,748	151,833	2.7768	378,167	1,050,095	249,905			4,302,000
12	4,387	144,241	148,628	2.8124	381,372	1,072,570	227,430			4,325,000
13	4,310	141,197	145,507	2.8480	384,493	1,095,037	204,963			4,347,000
14	4,819	138,231	143,050	2.8836	386,950	1,115,808	184,192			4,368,000
15	4,398	135,898	140,296	2.9192	389,704	1,137,624	162,376			4,390,000
16	4,845	133,281	138,126	2.9548	391,874	1,157,909	142,091			4,410,000
17	2,772	131,220	133,992	2.9904	396,008	1,184,223	115,777			4,436,000
18	3,499	127,292	130,791	3.0260	399,209	1,208,006	91,994			4,460,000
19	4,591	124,252	128,843	3.0616	401,157	1,228,183	71,817			4,480,000
20	4,090	122,400	126,490	3.0972	403,510	1,249,750	50,250			4,502,000
21	2,706	120,166	122,872	3.0972	407,128	1,260,957	39,043	14,943	24,100	4,528,000
22	3,394	116,728	120,122	3.0972	409,878	1,269,473	30,527	29,886	641	4,551,000
23	3,564	114,116	117,680	3.0972	412,320	1,277,037	22,963	44,829		4,552,000
24	3,576	111,796	115,372	3.0972	414,628	1,284,185	15,815	59,772		4,552,000
25	4,478	109,604	114,082	3.0972	415,918	1,288,182	11,818	74,715		4,552,000
26	4,599	108,378	112,977	3.0972	417,023	1,291,605	8,395	89,658		4,552,000
27	4,216	107,328	111,544	3.0972	418,456	1,296,043	3,957	104,601		4,552,000
28	4,244	105,967	110,211	3.0972	419,789	1,300,000	0	119,544		4,552,000
29	4,540	104,700	109,240	3.0972	420,000	1,300,000	0	134,487		4,552,000
30	5,155	103,778	108,933	3.0972	420,000	1,300,000	0	149,430		4,552,000
31	4,204	103,486	107,690	3.0972	420,000	1,300,000	0	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.