

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

APRIL 2018

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: May 3, 2018

DAY	SHASTA INFLOW C. F. S.	PREV DAY F. C. PAR (COL 3)	F. C. PARAM (COLS. 1 + 2)	.0356* X DAYS 12/23 THRU 3/20	530,000 MINUS F. C. PARAM	COLS	F. C. RESERV (1,300,000 - COL 6)	MINUS 14,943 PER DAY AFTER	ADJUSTED F. C. RESERV (7-8)	PERM STORAGE
	1	2	3	4	5	6	7	8		
			201,696							
1	8,974	191,611	200,585	3.0972	329,415	1,020,264	279,736	179,316	100,420	4,451,000
2	8,334	190,556	198,890	3.0972	331,110	1,025,514	274,486	194,259	80,227	4,472,000
3	7,419	188,945	196,364	3.0972	333,636	1,033,336	266,664	209,202	57,462	4,494,000
4	8,441	186,546	194,987	3.0972	335,013	1,037,602	262,398	224,145	38,253	4,514,000
5	8,711	185,238	193,949	3.0972	336,051	1,040,818	259,182	239,088	20,094	4,532,000
6	10,992	184,251	195,243	3.0972	334,757	1,036,808	263,192	254,031	9,161	4,543,000
7	18,932	185,481	204,413	3.0972	325,587	1,008,407	291,593	268,974	22,619	4,529,000
8	14,571	194,193	208,764	3.0972	321,236	994,934	305,066	283,917	21,149	4,531,000
9	13,315	198,325	211,640	3.0972	318,360	986,023	313,977	298,860	15,117	4,537,000
10	11,245	201,058	212,303	3.0972	317,697	983,970	316,030	313,803	2,227	4,550,000
11	11,207	201,688	212,895	3.0972	317,105	982,137	317,863	328,746		4,552,000
12	10,542	202,250	212,792	3.0972	317,208	982,455	317,545	343,689		4,552,000
13	9,429	202,153	211,582	3.0972	318,418	986,205	313,795	358,632		4,552,000
14	9,473	201,003	210,476	3.0972	319,524	989,631	310,369	373,575		4,552,000
15	10,185	199,952	210,137	3.0972	319,863	990,680	309,320	388,518		4,552,000
16	7,732	199,630	207,362	3.0972	322,638	999,274	300,726	403,461		4,552,000
17	7,137	196,994	204,131	3.0972	325,869	1,009,282	290,718	418,404		4,552,000
18	9,487	193,924	203,411	3.0972	326,589	1,011,510	288,490	433,347		4,552,000
19	8,131	193,241	201,372	3.0972	328,628	1,017,827	282,173	448,290		4,552,000
20	6,804	191,303	198,107	3.0972	331,893	1,027,938	272,062	463,233		4,552,000
21	8,700	188,202	196,902	3.0972	333,098	1,031,671	268,329	478,176		4,552,000
22	8,708	187,057	195,765	3.0972	334,235	1,035,193	264,807	493,119		4,552,000
23	6,085	185,977	192,062	3.0972	337,938	1,046,663	253,337	508,062		4,552,000
24	7,316	182,458	189,774	3.0972	340,226	1,053,746	246,254	523,005		4,552,000
25	5,613	180,286	185,899	3.0972	344,101	1,065,750	234,250	537,948		4,552,000
26	6,362	176,604	182,966	3.0972	347,034	1,074,834	225,166	552,891		4,552,000
27	4,659	173,818	178,477	3.0972	351,523	1,088,738	211,262	567,834		4,552,000
28	5,651	169,553	175,204	3.0972	354,796	1,098,875	201,125	582,777		4,552,000
29	4,737	166,444	171,181	3.0972	358,819	1,111,336	188,664	597,720		4,552,000
30	6,293	162,621	168,914	3.0972	361,086	1,118,354	181,646	612,663		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