

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

JANUARY 2016

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: February 19, 2016

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			
			93,211							
1	3,205	88,551	91,756	0.3168	420,000	133,056	1,166,944			3,385,000
2	4,104	87,168	91,272	0.3520	420,000	147,840	1,152,160			3,400,000
3	4,548	86,708	91,256	0.3872	420,000	162,624	1,137,376			3,415,000
4	5,303	86,693	91,996	0.4224	420,000	177,408	1,122,592			3,429,000
5	8,159	87,397	95,556	0.4576	420,000	192,192	1,107,808			3,444,000
6	10,133	90,778	100,911	0.4928	420,000	206,976	1,093,024			3,459,000
7	8,114	95,865	103,979	0.5280	420,000	221,760	1,078,240			3,474,000
8	6,280	98,780	105,060	0.5632	420,000	236,544	1,063,456			3,489,000
9	6,483	99,807	106,290	0.5984	420,000	251,328	1,048,672			3,503,000
10	5,764	100,976	106,740	0.6336	420,000	266,112	1,033,888			3,518,000
11	5,862	101,403	107,265	0.6688	420,000	280,896	1,019,104			3,533,000
12	5,684	101,902	107,586	0.7040	420,000	295,680	1,004,320			3,548,000
13	12,686	102,206	114,892	0.7392	415,108	306,848	993,152			3,559,000
14	13,993	109,148	123,141	0.7744	406,859	315,072	984,928			3,567,000
15	13,170	116,984	130,154	0.8096	399,846	323,716	976,284			3,576,000
16	12,441	123,646	136,087	0.8448	393,913	332,778	967,222			3,585,000
17	29,604	129,283	158,887	0.8800	371,113	326,580	973,420			3,579,000
18	30,388	150,942	181,330	0.9152	348,670	319,103	980,897			3,571,000
19	41,367	172,264	213,631	0.9504	316,369	300,677	999,323			3,553,000
20	30,265	202,949	233,214	0.9856	296,786	292,512	1,007,488			3,545,000
21	20,661	221,554	242,215	1.0208	287,785	293,771	1,006,229			3,546,000
22	29,691	230,104	259,795	1.0560	270,205	285,337	1,014,663			3,537,000
23	41,458	246,805	288,263	1.0912	241,737	263,783	1,036,217			3,516,000
24	29,444	273,850	303,294	1.1264	226,706	255,362	1,044,638			3,507,000
25	22,795	288,129	310,924	1.1616	219,076	254,478	1,045,522			3,506,000
26	22,614	295,378	317,992	1.1968	212,008	253,731	1,046,269			3,506,000
27	16,279	302,092	318,371	1.2320	211,629	260,726	1,039,274			3,513,000
28	14,400	302,453	316,853	1.2672	213,147	270,100	1,029,900			3,522,000
29	20,602	301,010	321,612	1.3024	208,388	271,404	1,028,596			3,523,000
30	20,367	305,532	325,899	1.3376	204,101	273,006	1,026,994			3,525,000
31	17,309	309,604	326,913	1.3728	203,087	278,798	1,021,202			3,531,000

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.