

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

MARCH 2016

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: April 7, 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			
			224,248							
1	6,521	213,035	219,556	2.4288	310,444	754,006	545,994			4,006,000
2	8,074	208,578	216,652	2.4640	313,348	772,088	527,912			4,024,000
3	10,281	205,820	216,101	2.4992	313,899	784,497	515,503			4,036,000
4	11,110	205,296	216,406	2.5344	313,594	794,773	505,227			4,047,000
5	33,940	205,586	239,526	2.5696	290,474	746,403	553,597			3,998,000
6	45,513	227,549	273,062	2.6048	256,938	669,271	630,729			3,921,000
7	37,413	259,409	296,822	2.6400	233,178	615,590	684,410			3,868,000
8	26,689	281,981	308,670	2.6752	221,330	592,102	707,898			3,844,000
9	22,287	293,237	315,524	2.7104	214,476	581,317	718,683			3,833,000
10	38,684	299,747	338,431	2.7456	191,569	525,971	774,029			3,778,000
11	52,520	321,510	374,030	2.7808	155,970	433,722	866,278			3,686,000
12	60,100	355,328	415,428	2.8160	114,572	322,634	977,366			3,575,000
13	77,360	394,657	472,017	2.8512	57,983	165,321	1,134,679			3,417,000
14	64,273	448,416	512,689	2.8864	17,311	49,966	1,250,034			3,302,000
15	43,965	487,055	531,020	2.9216			1,300,000			3,252,000
16	30,671	504,469	535,140	2.9568			1,300,000			3,252,000
17	25,726	508,383	534,109	2.9920			1,300,000			3,252,000
18	21,841	507,403	529,244	3.0272	756	2,288	1,297,712			3,254,000
19	18,734	502,782	521,516	3.0624	8,484	25,981	1,274,019			3,278,000
20	19,929	495,440	515,369	3.0976	14,631	45,320	1,254,680			3,297,000
21	22,946	489,601	512,547	3.0976	17,453	54,063	1,245,937	14,943	1,230,994	3,321,000
22	20,975	486,919	507,894	3.0976	22,106	68,474	1,231,526	29,886	1,201,640	3,350,000
23	18,659	482,500	501,159	3.0976	28,841	89,339	1,210,661	44,829	1,165,832	3,386,000
24	16,987	476,101	493,088	3.0976	36,912	114,339	1,185,661	59,772	1,125,889	3,426,000
25	15,835	468,433	484,268	3.0976	45,732	141,658	1,158,342	74,715	1,083,627	3,469,000
26	15,746	460,055	475,801	3.0976	54,199	167,887	1,132,113	89,658	1,042,455	3,510,000
27	12,640	452,011	464,651	3.0976	65,349	202,425	1,097,575	104,601	992,974	3,559,000
28	12,069	441,418	453,487	3.0976	76,513	237,006	1,062,994	119,544	943,450	3,609,000
29	10,935	430,813	441,748	3.0976	88,252	273,369	1,026,631	134,487	892,144	3,659,000
30	12,121	419,661	431,782	3.0976	98,218	304,241	995,759	149,430	846,329	3,705,000
31	10,496	410,192	420,688	3.0976	109,312	338,603	961,397	164,373	797,024	3,755,000

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.