

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

MAY 2017

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: June 15, 2017

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			
			426,715							
1	14,751	405,379	420,130	3.0972	109,870	340,290	959,710	627,606	332,104	4,220,000
2	14,732	399,123	413,855	3.0972	116,145	359,723	940,277	642,549	297,728	4,255,000
3	14,744	393,163	407,907	3.0972	122,093	378,148	921,852	657,492	264,360	4,287,000
4	12,617	387,511	400,128	3.0972	129,872	402,239	897,761	672,435	225,326	4,326,000
5	15,944	380,122	396,066	3.0972	133,934	414,821	885,179	687,378	197,801	4,354,000
6	12,483	376,263	388,746	3.0972	141,254	437,493	862,507	702,321	160,186	4,391,000
7	13,057	369,308	382,365	3.0972	147,635	457,254	842,746	717,264	125,482	4,426,000
8	12,188	363,247	375,435	3.0972	154,565	478,719	821,281	732,207	89,074	4,463,000
9	11,596	356,663	368,259	3.0972	161,741	500,943	799,057	747,150	51,907	4,500,000
10	11,005	349,846	360,851	3.0972	169,149	523,887	776,113	762,093	14,020	4,538,000
11	10,941	342,809	353,750	3.0972	176,250	545,882	754,118	777,036		4,552,000
12	10,411	336,062	346,473	3.0972	183,527	568,419	731,581	791,979		4,552,000
13	10,662	329,150	339,812	3.0972	190,188	589,052	710,948	806,922		4,552,000
14	8,727	322,821	331,548	3.0972	198,452	614,646	685,354	821,865		4,552,000
15	9,788	314,971	324,759	3.0972	205,241	635,674	664,326	836,808		4,552,000
16	7,808	308,521	316,329	3.0972	213,671	661,783	638,217	851,751		4,552,000
17	8,973	300,512	309,485	3.0972	220,515	682,978	617,022	866,694		4,552,000
18	9,646	294,011	303,657	3.0972	226,343	701,030	598,970	881,637		4,552,000
19	9,545	288,474	298,019	3.0972	231,981	718,491	581,509	896,580		4,552,000
20	8,737	283,118	291,855	3.0972	238,145	737,582	562,418	911,523		4,552,000
21	8,559	277,262	285,821	3.0972	244,179	756,270	543,730	926,466		4,552,000
22	9,645	271,530	281,175	3.0972	248,825	770,660	529,340	941,409		4,552,000
23	9,675	267,117	276,792	3.0972	253,208	784,237	515,763	956,352		4,552,000
24	7,943	262,952	270,895	3.0972	259,105	802,500	497,500	971,295		4,552,000
25	8,923	257,350	266,273	3.0972	263,727	816,815	483,185	986,238		4,552,000
26	9,356	252,960	262,316	3.0972	267,684	829,072	470,928	1,001,181		4,552,000
27	6,442	249,200	255,642	3.0972	274,358	849,742	450,258	1,016,124		4,552,000
28	7,518	242,860	250,378	3.0972	279,622	866,046	433,954	1,031,067		4,552,000
29	6,629	237,859	244,488	3.0972	285,512	884,288	415,712	1,046,010		4,552,000
30	7,668	232,263	239,931	3.0972	290,069	898,400	401,600	1,060,953		4,552,000
31	5,569	227,935	233,504	3.0972	296,496	918,308	381,692	1,075,896		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.