

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

MAY 2018

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: June 6, 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			
			168,914							
1	5,513	160,469	165,982	3.0972	364,018	1,127,437	172,563	627,606		4,552,000
2	5,573	157,683	163,256	3.0972	366,744	1,135,881	164,119	642,549		4,552,000
3	3,959	155,093	159,052	3.0972	370,948	1,148,900	151,100	657,492		4,552,000
4	7,660	151,099	158,759	3.0972	371,241	1,149,807	150,193	672,435		4,552,000
5	4,359	150,821	155,180	3.0972	374,820	1,160,891	139,109	687,378		4,552,000
6	4,046	147,421	151,467	3.0972	378,533	1,172,391	127,609	702,321		4,552,000
7	4,361	143,894	148,255	3.0972	381,745	1,182,341	117,659	717,264		4,552,000
8	5,678	140,842	146,520	3.0972	383,480	1,187,714	112,286	732,207		4,552,000
9	4,717	139,194	143,911	3.0972	386,089	1,195,794	104,206	747,150		4,552,000
10	4,181	136,716	140,897	3.0972	389,103	1,205,131	94,869	762,093		4,552,000
11	4,986	133,852	138,838	3.0972	391,162	1,211,508	88,492	777,036		4,552,000
12	5,474	131,896	137,370	3.0972	392,630	1,216,054	83,946	791,979		4,552,000
13	4,812	130,501	135,313	3.0972	394,687	1,222,423	77,577	806,922		4,552,000
14	3,663	128,548	132,211	3.0972	397,789	1,232,033	67,967	821,865		4,552,000
15	6,110	125,600	131,710	3.0972	398,290	1,233,583	66,417	836,808		4,552,000
16	3,875	125,125	129,000	3.0972	401,000	1,241,978	58,022	851,751		4,552,000
17	4,407	122,550	126,957	3.0972	403,043	1,248,306	51,694	866,694		4,552,000
18	4,705	120,609	125,314	3.0972	404,686	1,253,394	46,606	881,637		4,552,000
19	2,518	119,048	121,566	3.0972	408,434	1,265,001	34,999	896,580		4,552,000
20	2,873	115,488	118,361	3.0972	411,639	1,274,929	25,071	911,523		4,552,000
21	4,349	112,443	116,792	3.0972	413,208	1,279,788	20,212	926,466		4,552,000
22	5,218	110,952	116,170	3.0972	413,830	1,281,714	18,286	941,409		4,552,000
23	7,565	110,362	117,927	3.0972	412,073	1,276,273	23,727	956,352		4,552,000
24	4,538	112,030	116,568	3.0972	413,432	1,280,480	19,520	971,295		4,552,000
25	5,607	110,740	116,347	3.0972	413,653	1,281,166	18,834	986,238		4,552,000
26	4,461	110,530	114,991	3.0972	415,009	1,285,367	14,633	1,001,181		4,552,000
27	3,044	109,241	112,285	3.0972	417,715	1,293,747	6,253	1,016,124		4,552,000
28	6,355	106,671	113,026	3.0972	416,974	1,291,452	8,548	1,031,067		4,552,000
29	4,928	107,375	112,303	3.0972	417,697	1,293,693	6,307	1,046,010		4,552,000
30	2,581	106,687	109,268	3.0972	420,000	1,300,000	0	1,060,953		4,552,000
31	3,809	103,805	107,614	3.0972	420,000	1,300,000	0	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