

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

MAY 2019

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: June 6, 2019

DAY	SHASTA INFLOW C. F. S. 1	PREV DAY F. C. PAR (COL 3) X .95 2	F. C. PARAM (COLS. 1 + 2) 3	.0356* X DAYS 12/23 THRU 3/20 4	530,000 MINUS F. C. PARAM (COL 3) 5	COLS 4 X 5 6	F. C. RESERV (1,300,000 - COL 6) 7	MINUS 14,943 PER DAY AFTER 3/20 8	ADJUSTED F. C. RESERV (7-8)	PERM STORAGE
			405,129							
1	12,688	384,873	397,561	3.0972	132,439	410,192	889,808	627,606	262,202	4,290,000
2	10,630	377,682	388,312	3.0972	141,688	438,835	861,165	642,549	218,616	4,334,000
3	11,727	368,897	380,624	3.0972	149,376	462,648	837,352	657,492	179,860	4,372,000
4	8,677	361,593	370,270	3.0972	159,730	494,717	805,283	672,435	132,848	4,419,000
5	9,048	351,756	360,804	3.0972	169,196	524,033	775,967	687,378	88,589	4,463,000
6	8,681	342,764	351,445	3.0972	178,555	553,021	746,979	702,321	44,658	4,507,000
7	9,396	333,873	343,269	3.0972	186,731	578,344	721,656	717,264	4,392	4,547,000
8	9,440	326,105	335,545	3.0972	194,455	602,265	697,735	732,207		4,552,000
9	11,108	318,768	329,876	3.0972	200,124	619,824	680,176	747,150		4,552,000
10	11,420	313,382	324,802	3.0972	205,198	635,539	664,461	762,093		4,552,000
11	8,317	308,562	316,879	3.0972	213,121	660,078	639,922	777,036		4,552,000
12	8,940	301,035	309,975	3.0972	220,025	681,461	618,539	791,979		4,552,000
13	7,872	294,476	302,348	3.0972	227,652	705,083	594,917	806,922		4,552,000
14	8,589	287,231	295,820	3.0972	234,180	725,302	574,698	821,865		4,552,000
15	11,489	281,029	292,518	3.0972	237,482	735,529	564,471	836,808		4,552,000
16	19,145	277,892	297,037	3.0972	232,963	721,533	578,467	851,751		4,552,000
17	13,273	282,185	295,458	3.0972	234,542	726,423	573,577	866,694		4,552,000
18	15,349	280,685	296,034	3.0972	233,966	724,639	575,361	881,637		4,552,000
19	15,932	281,233	297,165	3.0972	232,835	721,138	578,862	896,580		4,552,000
20	11,973	282,306	294,279	3.0972	235,721	730,074	569,926	911,523		4,552,000
21	13,053	279,565	292,618	3.0972	237,382	735,218	564,782	926,466		4,552,000
22	12,705	277,987	290,692	3.0972	239,308	741,183	558,817	941,409		4,552,000
23	12,096	276,158	288,254	3.0972	241,746	748,736	551,264	956,352		4,552,000
24	11,782	273,841	285,623	3.0972	244,377	756,884	543,116	971,295		4,552,000
25	10,641	271,342	281,983	3.0972	248,017	768,158	531,842	986,238		4,552,000
26	12,689	267,884	280,573	3.0972	249,427	772,526	527,474	1,001,181		4,552,000
27	11,933	266,544	278,477	3.0972	251,523	779,016	520,984	1,016,124		4,552,000
28	8,919	264,553	273,472	3.0972	256,528	794,517	505,483	1,031,067		4,552,000
29	9,069	259,799	268,868	3.0972	261,132	808,779	491,221	1,046,010		4,552,000
30	10,779	255,424	266,203	3.0972	263,797	817,031	482,969	1,060,953		4,552,000
31	11,751	252,893	264,644	3.0972	265,356	821,860	478,140	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