

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

JANUARY 2019

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: March 1, 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
			98,704							
1	4,302	93,769	98,071	0.3204	420,000	134,568	1,165,432			3,387,000
2	4,027	93,168	97,195	0.3560	420,000	149,520	1,150,480			3,402,000
3	3,125	92,335	95,460	0.3916	420,000	164,472	1,135,528			3,416,000
4	4,108	90,687	94,795	0.4272	420,000	179,424	1,120,576			3,431,000
5	8,646	90,055	98,701	0.4628	420,000	194,376	1,105,624			3,446,000
6	7,534	93,766	101,300	0.4984	420,000	209,328	1,090,672			3,461,000
7	7,839	96,235	104,074	0.5340	420,000	224,280	1,075,720			3,476,000
8	6,465	98,870	105,335	0.5696	420,000	239,232	1,060,768			3,491,000
9	27,611	100,069	127,680	0.6052	402,320	243,484	1,056,516			3,495,000
10	22,404	121,296	143,700	0.6408	386,300	247,541	1,052,459			3,500,000
11	13,151	136,515	149,666	0.6764	380,334	257,258	1,042,742			3,509,000
12	10,360	142,182	152,542	0.7120	377,458	268,750	1,031,250			3,521,000
13	8,888	144,915	153,803	0.7476	376,197	281,245	1,018,755			3,533,000
14	7,997	146,113	154,110	0.7832	375,890	294,397	1,005,603			3,546,000
15	10,966	146,405	157,371	0.8188	372,629	305,109	994,891			3,557,000
16	26,044	149,502	175,546	0.8544	354,454	302,845	997,155			3,555,000
17	33,213	166,769	199,982	0.8900	330,018	293,716	1,006,284			3,546,000
18	19,827	189,983	209,810	0.9256	320,190	296,368	1,003,632			3,548,000
19	19,459	199,319	218,778	0.9612	311,222	299,146	1,000,854			3,551,000
20	29,370	207,839	237,209	0.9968	292,791	291,854	1,008,146			3,544,000
21	22,349	225,349	247,698	1.0324	282,302	291,449	1,008,551			3,543,000
22	15,574	235,313	250,887	1.0680	279,113	298,093	1,001,907			3,550,000
23	14,717	238,343	253,060	1.1036	276,940	305,631	994,369			3,558,000
24	12,896	240,407	253,303	1.1392	276,697	315,214	984,786			3,567,000
25	9,357	240,637	249,994	1.1748	280,006	328,951	971,049			3,581,000
26	9,828	237,495	247,323	1.2104	282,677	342,153	957,847			3,594,000
27	9,732	234,957	244,689	1.2460	285,311	355,498	944,502			3,607,000
28	7,528	232,454	239,982	1.2816	290,018	371,687	928,313			3,624,000
29	6,581	227,983	234,564	1.3172	295,436	389,148	910,852			3,641,000
30	6,937	222,836	229,773	1.3528	300,227	406,147	893,853			3,658,000
31	6,895	218,284	225,179	1.3884	304,821	423,213	876,787			3,675,000

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