

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

APRIL 2019

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: May 9, 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
			442,517							
1	19,215	420,391	439,606	3.0972	90,394	279,969	1,020,031	179,316	840,715	3,711,000
2	20,431	417,625	438,056	3.0972	91,944	284,767	1,015,233	194,259	820,974	3,731,000
3	21,525	416,154	437,679	3.0972	92,321	285,938	1,014,062	209,202	804,860	3,747,000
4	20,437	415,795	436,232	3.0972	93,768	290,419	1,009,581	224,145	785,436	3,766,000
5	28,595	414,420	443,015	3.0972	86,985	269,410	1,030,590	239,088	791,502	3,760,000
6	31,806	420,864	452,670	3.0972	77,330	239,505	1,060,495	254,031	806,464	3,746,000
7	38,490	430,037	468,527	3.0972	61,473	190,395	1,109,605	268,974	840,631	3,711,000
8	48,353	445,101	493,454	3.0972	36,546	113,192	1,186,808	283,917	902,891	3,649,000
9	48,663	468,781	517,444	3.0972	12,556	38,889	1,261,111	298,860	962,251	3,590,000
10	36,386	491,572	527,958	3.0972	2,042	6,326	1,293,674	313,803	979,871	3,572,000
11	31,241	501,560	532,801	3.0972			1,300,000	328,746	971,254	3,581,000
12	28,521	506,161	534,682	3.0972			1,300,000	343,689	956,311	3,596,000
13	24,409	507,948	532,357	3.0972			1,300,000	358,632	941,368	3,611,000
14	22,745	505,739	528,484	3.0972	1,516	4,696	1,295,304	373,575	921,729	3,631,000
15	22,942	502,060	525,002	3.0972	4,998	15,481	1,284,519	388,518	896,001	3,656,000
16	18,826	498,752	517,578	3.0972	12,422	38,475	1,261,525	403,461	858,064	3,693,000
17	16,316	491,699	508,015	3.0972	21,985	68,093	1,231,907	418,404	813,503	3,738,000
18	16,717	482,614	499,331	3.0972	30,669	94,988	1,205,012	433,347	771,665	3,780,000
19	16,834	474,364	491,198	3.0972	38,802	120,176	1,179,824	448,290	731,534	3,820,000
20	16,957	466,638	483,595	3.0972	46,405	143,724	1,156,276	463,233	693,043	3,859,000
21	15,601	459,416	475,017	3.0972	54,983	170,294	1,129,706	478,176	651,530	3,900,000
22	14,862	451,266	466,128	3.0972	63,872	197,825	1,102,175	493,119	609,056	3,943,000
23	15,863	442,821	458,684	3.0972	71,316	220,878	1,079,122	508,062	571,060	3,981,000
24	14,847	435,750	450,597	3.0972	79,403	245,926	1,054,074	523,005	531,069	4,021,000
25	15,316	428,067	443,383	3.0972	86,617	268,269	1,031,731	537,948	493,783	4,058,000
26	15,475	421,214	436,689	3.0972	93,311	289,002	1,010,998	552,891	458,107	4,094,000
27	14,035	414,855	428,890	3.0972	101,110	313,159	986,841	567,834	419,007	4,133,000
28	13,846	407,445	421,291	3.0972	108,709	336,693	963,307	582,777	380,530	4,172,000
29	13,728	400,227	413,955	3.0972	116,045	359,416	940,584	597,720	342,864	4,209,000
30	11,872	393,257	405,129	3.0972	124,871	386,751	913,249	612,663	300,586	4,252,000

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