

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

MARCH 2019

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: April 8, 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
			446,292							
1	32,337	423,978	456,315	2.4208	73,685	178,377	1,121,623			3,430,000
2	27,325	433,499	460,824	2.4564	69,176	169,924	1,130,076			3,422,000
3	23,439	437,783	461,222	2.4920	68,778	171,395	1,128,605			3,423,000
4	24,593	438,161	462,754	2.5276	67,246	169,972	1,130,028			3,422,000
5	24,074	439,616	463,690	2.5632	66,310	169,966	1,130,034			3,422,000
6	48,614	440,505	489,119	2.5988	40,881	106,240	1,193,760			3,358,000
7	51,807	464,663	516,470	2.6344	13,530	35,642	1,264,358			3,288,000
8	36,384	490,647	527,031	2.6700	2,969	7,927	1,292,073			3,260,000
9	29,357	500,679	530,036	2.7056			1,300,000			3,252,000
10	26,106	503,535	529,641	2.7412	359	985	1,299,015			3,253,000
11	23,675	503,159	526,834	2.7768	3,166	8,793	1,291,207			3,261,000
12	19,469	500,492	519,961	2.8124	10,039	28,234	1,271,766			3,280,000
13	18,899	493,963	512,862	2.8480	17,138	48,809	1,251,191			3,301,000
14	15,125	487,219	502,344	2.8836	27,656	79,750	1,220,250			3,332,000
15	15,389	477,227	492,616	2.9192	37,384	109,133	1,190,867			3,361,000
16	12,339	467,985	480,324	2.9548	49,676	146,783	1,153,217			3,399,000
17	13,714	456,308	470,022	2.9904	59,978	179,359	1,120,641			3,431,000
18	12,309	446,521	458,830	3.0260	71,170	215,362	1,084,638			3,467,000
19	11,396	435,888	447,284	3.0616	82,716	253,243	1,046,757			3,505,000
20	16,132	424,920	441,052	3.0972	88,948	275,490	1,024,510			3,527,000
21	14,363	418,999	433,362	3.0972	96,638	299,306	1,000,694	14,943	985,751	3,566,000
22	14,499	411,694	426,193	3.0972	103,807	321,511	978,489	29,886	948,603	3,604,000
23	15,333	404,883	420,216	3.0972	109,784	340,022	959,978	44,829	915,149	3,637,000
24	14,981	399,206	414,187	3.0972	115,813	358,697	941,303	59,772	881,531	3,671,000
25	17,013	393,477	410,490	3.0972	119,510	370,145	929,855	74,715	855,140	3,697,000
26	19,970	389,966	409,936	3.0972	120,064	371,863	928,137	89,658	838,479	3,714,000
27	28,337	389,439	417,776	3.0972	112,224	347,580	952,420	104,601	847,819	3,705,000
28	31,953	396,887	428,840	3.0972	101,160	313,312	986,688	119,544	867,144	3,685,000
29	32,186	407,398	439,584	3.0972	90,416	280,036	1,019,964	134,487	885,477	3,666,000
30	25,043	417,605	442,648	3.0972	87,352	270,547	1,029,453	149,430	880,023	3,672,000
31	22,001	420,516	442,517	3.0972	87,483	270,954	1,029,046	164,373	864,673	3,687,000

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