

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

MAY 2021

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: June 2, 2021

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
			79,890							
1	4,449	75,895	80,344	3.0972	420,000	1,300,000	0	627,606		4,552,000
2	5,115	76,327	81,442	3.0972	420,000	1,300,000	0	642,549		4,552,000
3	4,402	77,370	81,772	3.0972	420,000	1,300,000	0	657,492		4,552,000
4	2,553	77,683	80,236	3.0972	420,000	1,300,000	0	672,435		4,552,000
5	4,079	76,224	80,303	3.0972	420,000	1,300,000	0	687,378		4,552,000
6	3,074	76,288	79,362	3.0972	420,000	1,300,000	0	702,321		4,552,000
7	3,622	75,394	79,016	3.0972	420,000	1,300,000	0	717,264		4,552,000
8	4,334	75,065	79,399	3.0972	420,000	1,300,000	0	732,207		4,552,000
9	2,999	75,429	78,428	3.0972	420,000	1,300,000	0	747,150		4,552,000
10	4,702	74,507	79,209	3.0972	420,000	1,300,000	0	762,093		4,552,000
11	2,948	75,248	78,196	3.0972	420,000	1,300,000	0	777,036		4,552,000
12	2,934	74,287	77,221	3.0972	420,000	1,300,000	0	791,979		4,552,000
13	2,828	73,360	76,188	3.0972	420,000	1,300,000	0	806,922		4,552,000
14	3,484	72,378	75,862	3.0972	420,000	1,300,000	0	821,865		4,552,000
15	1,767	72,069	73,836	3.0972	420,000	1,300,000	0	836,808		4,552,000
16	2,042	70,144	72,186	3.0972	420,000	1,300,000	0	851,751		4,552,000
17	2,709	68,577	71,286	3.0972	420,000	1,300,000	0	866,694		4,552,000
18	2,493	67,722	70,215	3.0972	420,000	1,300,000	0	881,637		4,552,000
19	2,116	66,704	68,820	3.0972	420,000	1,300,000	0	896,580		4,552,000
20	2,144	65,379	67,523	3.0972	420,000	1,300,000	0	911,523		4,552,000
21	1,289	64,147	65,436	3.0972	420,000	1,300,000	0	926,466		4,552,000
22	2,958	62,164	65,122	3.0972	420,000	1,300,000	0	941,409		4,552,000
23	1,897	61,866	63,763	3.0972	420,000	1,300,000	0	956,352		4,552,000
24	3,748	60,575	64,323	3.0972	420,000	1,300,000	0	971,295		4,552,000
25	5,337	61,107	66,444	3.0972	420,000	1,300,000	0	986,238		4,552,000
26	1,209	63,121	64,330	3.0972	420,000	1,300,000	0	1,001,181		4,552,000
27	1,304	61,114	62,418	3.0972	420,000	1,300,000	0	1,016,124		4,552,000
28	2,248	59,297	61,545	3.0972	420,000	1,300,000	0	1,031,067		4,552,000
29	2,902	58,468	61,370	3.0972	420,000	1,300,000	0	1,046,010		4,552,000
30	2,315	58,301	60,616	3.0972	420,000	1,300,000	0	1,060,953		4,552,000
31	2,876	57,585	60,461	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