

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

APRIL 2021

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: May 3, 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
			101,380							
1	3,613	96,311	99,924	3.0972	420,000	1,300,000	0	179,316		4,552,000
2	5,499	94,927	100,426	3.0972	420,000	1,300,000	0	194,259		4,552,000
3	4,802	95,405	100,207	3.0972	420,000	1,300,000	0	209,202		4,552,000
4	3,078	95,197	98,275	3.0972	420,000	1,300,000	0	224,145		4,552,000
5	3,843	93,361	97,204	3.0972	420,000	1,300,000	0	239,088		4,552,000
6	4,480	92,344	96,824	3.0972	420,000	1,300,000	0	254,031		4,552,000
7	3,648	91,983	95,631	3.0972	420,000	1,300,000	0	268,974		4,552,000
8	4,852	90,849	95,701	3.0972	420,000	1,300,000	0	283,917		4,552,000
9	4,403	90,916	95,319	3.0972	420,000	1,300,000	0	298,860		4,552,000
10	4,214	90,553	94,767	3.0972	420,000	1,300,000	0	313,803		4,552,000
11	3,760	90,029	93,789	3.0972	420,000	1,300,000	0	328,746		4,552,000
12	4,522	89,099	93,621	3.0972	420,000	1,300,000	0	343,689		4,552,000
13	2,859	88,940	91,799	3.0972	420,000	1,300,000	0	358,632		4,552,000
14	3,134	87,209	90,343	3.0972	420,000	1,300,000	0	373,575		4,552,000
15	4,072	85,826	89,898	3.0972	420,000	1,300,000	0	388,518		4,552,000
16	3,280	85,403	88,683	3.0972	420,000	1,300,000	0	403,461		4,552,000
17	3,929	84,249	88,178	3.0972	420,000	1,300,000	0	418,404		4,552,000
18	3,185	83,769	86,954	3.0972	420,000	1,300,000	0	433,347		4,552,000
19	3,706	82,606	86,312	3.0972	420,000	1,300,000	0	448,290		4,552,000
20	3,254	81,997	85,251	3.0972	420,000	1,300,000	0	463,233		4,552,000
21	3,953	80,988	84,941	3.0972	420,000	1,300,000	0	478,176		4,552,000
22	2,842	80,694	83,536	3.0972	420,000	1,300,000	0	493,119		4,552,000
23	3,352	79,359	82,711	3.0972	420,000	1,300,000	0	508,062		4,552,000
24	3,202	78,576	81,778	3.0972	420,000	1,300,000	0	523,005		4,552,000
25	3,638	77,689	81,327	3.0972	420,000	1,300,000	0	537,948		4,552,000
26	4,038	77,261	81,299	3.0972	420,000	1,300,000	0	552,891		4,552,000
27	3,672	77,234	80,906	3.0972	420,000	1,300,000	0	567,834		4,552,000
28	3,317	76,860	80,177	3.0972	420,000	1,300,000	0	582,777		4,552,000
29	4,131	76,169	80,300	3.0972	420,000	1,300,000	0	597,720		4,552,000
30	3,605	76,285	79,890	3.0972	420,000	1,300,000	0	612,663		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