

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

MAY 2020

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: November 4, 2020

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
			112,162							
1	4,361	106,554	110,915	3.0976	419,085	1,298,158	1,842	627,606		4,552,000
2	4,668	105,369	110,037	3.0976	419,963	1,300,000	0	642,549		4,552,000
3	4,871	104,535	109,406	3.0976	420,000	1,300,000	0	657,492		4,552,000
4	3,369	103,936	107,305	3.0976	420,000	1,300,000	0	672,435		4,552,000
5	3,307	101,940	105,247	3.0976	420,000	1,300,000	0	687,378		4,552,000
6	4,222	99,984	104,206	3.0976	420,000	1,300,000	0	702,321		4,552,000
7	5,632	98,996	104,628	3.0976	420,000	1,300,000	0	717,264		4,552,000
8	3,794	99,397	103,191	3.0976	420,000	1,300,000	0	732,207		4,552,000
9	3,988	98,031	102,019	3.0976	420,000	1,300,000	0	747,150		4,552,000
10	3,292	96,918	100,210	3.0976	420,000	1,300,000	0	762,093		4,552,000
11	4,383	95,200	99,583	3.0976	420,000	1,300,000	0	777,036		4,552,000
12	5,608	94,603	100,211	3.0976	420,000	1,300,000	0	791,979		4,552,000
13	4,007	95,201	99,208	3.0976	420,000	1,300,000	0	806,922		4,552,000
14	6,482	94,248	100,730	3.0976	420,000	1,300,000	0	821,865		4,552,000
15	2,371	95,693	98,064	3.0976	420,000	1,300,000	0	836,808		4,552,000
16	5,984	93,161	99,145	3.0976	420,000	1,300,000	0	851,751		4,552,000
17	7,321	94,188	101,509	3.0976	420,000	1,300,000	0	866,694		4,552,000
18	10,240	96,433	106,673	3.0976	420,000	1,300,000	0	881,637		4,552,000
19	8,383	101,340	109,723	3.0976	420,000	1,300,000	0	896,580		4,552,000
20	8,568	104,236	112,804	3.0976	417,196	1,292,305	7,695	911,523		4,552,000
21	4,831	107,164	111,995	3.0976	418,005	1,294,812	5,188	926,466		4,552,000
22	5,924	106,395	112,319	3.0976	417,681	1,293,807	6,193	941,409		4,552,000
23	3,959	106,703	110,662	3.0976	419,338	1,298,940	1,060	956,352		4,552,000
24	5,577	105,129	110,706	3.0976	419,294	1,298,804	1,196	971,295		4,552,000
25	6,047	105,171	111,218	3.0976	418,782	1,297,219	2,781	986,238		4,552,000
26	4,711	105,657	110,368	3.0976	419,632	1,299,852	148	1,001,181		4,552,000
27	3,903	104,850	108,753	3.0976	420,000	1,300,000	0	1,016,124		4,552,000
28	5,200	103,315	108,515	3.0976	420,000	1,300,000	0	1,031,067		4,552,000
29	5,732	103,089	108,821	3.0976	420,000	1,300,000	0	1,046,010		4,552,000
30	5,358	103,380	108,738	3.0976	420,000	1,300,000	0	1,060,953		4,552,000
31	3,352	103,301	106,653	3.0976	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