

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

MARCH 2020

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: May 21, 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
			110,708							
1	5,569	105,173	110,742	2.4288	419,258	1,018,295	281,705			4,270,000
2	3,673	105,205	108,878	2.4640	420,000	1,034,880	265,120			4,287,000
3	5,179	103,434	108,613	2.4992	420,000	1,049,664	250,336			4,302,000
4	3,542	103,182	106,724	2.5344	420,000	1,064,448	235,552			4,316,000
5	3,379	101,388	104,767	2.5696	420,000	1,079,232	220,768			4,331,000
6	3,725	99,529	103,254	2.6048	420,000	1,094,016	205,984			4,346,000
7	5,100	98,091	103,191	2.6400	420,000	1,108,800	191,200			4,361,000
8	2,580	98,031	100,611	2.6752	420,000	1,123,584	176,416			4,376,000
9	4,089	95,581	99,670	2.7104	420,000	1,138,368	161,632			4,390,000
10	5,699	94,686	100,385	2.7456	420,000	1,153,152	146,848			4,405,000
11	2,646	95,366	98,012	2.7808	420,000	1,167,936	132,064			4,420,000
12	5,176	93,111	98,287	2.8160	420,000	1,182,720	117,280			4,435,000
13	4,891	93,373	98,264	2.8512	420,000	1,197,504	102,496			4,450,000
14	2,419	93,351	95,770	2.8864	420,000	1,212,288	87,712			4,464,000
15	4,783	90,981	95,764	2.9216	420,000	1,227,072	72,928			4,479,000
16	3,951	90,976	94,927	2.9568	420,000	1,241,856	58,144			4,494,000
17	6,190	90,181	96,371	2.9920	420,000	1,256,640	43,360			4,509,000
18	5,661	91,552	97,213	3.0272	420,000	1,271,424	28,576			4,523,000
19	5,059	92,353	97,412	3.0624	420,000	1,286,208	13,792			4,538,000
20	4,363	92,541	96,904	3.0976	420,000	1,300,000	0			4,552,000
21	4,753	92,059	96,812	3.0976	420,000	1,300,000	0	14,943		4,552,000
22	4,534	91,971	96,505	3.0976	420,000	1,300,000	0	29,886		4,552,000
23	4,683	91,680	96,363	3.0976	420,000	1,300,000	0	44,829		4,552,000
24	5,287	91,545	96,832	3.0976	420,000	1,300,000	0	59,772		4,552,000
25	4,676	91,990	96,666	3.0976	420,000	1,300,000	0	74,715		4,552,000
26	5,105	91,833	96,938	3.0976	420,000	1,300,000	0	89,658		4,552,000
27	4,199	92,091	96,290	3.0976	420,000	1,300,000	0	104,601		4,552,000
28	5,008	91,476	96,484	3.0976	420,000	1,300,000	0	119,544		4,552,000
29	5,381	91,659	97,040	3.0976	420,000	1,300,000	0	134,487		4,552,000
30	6,035	92,188	98,223	3.0976	420,000	1,300,000	0	149,430		4,552,000
31	6,359	93,312	99,671	3.0976	420,000	1,300,000	0	164,373		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