

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

APRIL 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
			99,671							
1	7,356	94,688	102,044	3.0976	420,000	1,300,000	0	179,316		4,552,000
2	6,759	96,941	103,700	3.0976	420,000	1,300,000	0	194,259		4,552,000
3	7,333	98,515	105,848	3.0976	420,000	1,300,000	0	209,202		4,552,000
4	7,901	100,556	108,457	3.0976	420,000	1,300,000	0	224,145		4,552,000
5	9,719	103,034	112,753	3.0976	417,247	1,292,464	7,536	239,088		4,552,000
6	10,593	107,115	117,708	3.0976	412,292	1,277,114	22,886	254,031		4,552,000
7	7,906	111,823	119,729	3.0976	410,271	1,270,855	29,145	268,974		4,552,000
8	8,388	113,743	122,131	3.0976	407,869	1,263,416	36,584	283,917		4,552,000
9	8,782	116,024	124,806	3.0976	405,194	1,255,129	44,871	298,860		4,552,000
10	6,510	118,566	125,076	3.0976	404,924	1,254,293	45,707	313,803		4,552,000
11	6,762	118,822	125,584	3.0976	404,416	1,252,719	47,281	328,746		4,552,000
12	6,802	119,305	126,107	3.0976	403,893	1,251,100	48,900	343,689		4,552,000
13	6,485	119,801	126,286	3.0976	403,714	1,250,543	49,457	358,632		4,552,000
14	5,352	119,972	125,324	3.0976	404,676	1,253,524	46,476	373,575		4,552,000
15	5,753	119,058	124,811	3.0976	405,189	1,255,114	44,886	388,518		4,552,000
16	6,186	118,570	124,756	3.0976	405,244	1,255,283	44,717	403,461		4,552,000
17	5,485	118,519	124,004	3.0976	405,996	1,257,615	42,385	418,404		4,552,000
18	5,531	117,803	123,334	3.0976	406,666	1,259,687	40,313	433,347		4,552,000
19	5,744	117,168	122,912	3.0976	407,088	1,260,997	39,003	448,290		4,552,000
20	5,009	116,766	121,775	3.0976	408,225	1,264,518	35,482	463,233		4,552,000
21	5,509	115,686	121,195	3.0976	408,805	1,266,313	33,687	478,176		4,552,000
22	4,802	115,136	119,938	3.0976	410,062	1,270,209	29,791	493,119		4,552,000
23	5,107	113,941	119,048	3.0976	410,952	1,272,966	27,034	508,062		4,552,000
24	4,794	113,095	117,889	3.0976	412,111	1,276,554	23,446	523,005		4,552,000
25	5,058	111,995	117,053	3.0976	412,947	1,279,145	20,855	537,948		4,552,000
26	4,707	111,200	115,907	3.0976	414,093	1,282,694	17,306	552,891		4,552,000
27	5,093	110,112	115,205	3.0976	414,795	1,284,870	15,130	567,834		4,552,000
28	3,747	109,445	113,192	3.0976	416,808	1,291,106	8,894	582,777		4,552,000
29	6,830	107,532	114,362	3.0976	415,638	1,287,480	12,520	597,720		4,552,000
30	3,518	108,644	112,162	3.0976	417,838	1,294,295	5,705	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.