

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

JANUARY 2020

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: February 1, 2020

DAY	SHASTA INFLOW C. F. S.	PREV DAY F. C. PAR (COL 3) X .95	F. C. PARAM (COLS. 1 + 2)	.0356* X DAYS 12/23 THRU 3/20	530,000 MINUS F. C. PARAM (COL 3)	COLS 4 X 5	F. C. RESERV (1,300,000 - COL 6)	MINUS 14,943 PER DAY AFTER 3/20	ADJUSTED F. C. RESERV (7-8)	PERM STORAGE
1	2	3	4	5	6	7	8			
			119,462							
1	4,583	113,489	118,072	0.3168	411,928	130,499	1,169,501			3,382,000
2	5,055	112,168	117,223	0.3520	412,777	145,297	1,154,703			3,397,000
3	4,258	111,362	115,620	0.3872	414,380	160,448	1,139,552			3,412,000
4	4,646	109,839	114,485	0.4224	415,515	175,513	1,124,487			3,428,000
5	4,694	108,761	113,455	0.4576	416,545	190,611	1,109,389			3,443,000
6	4,093	107,782	111,875	0.4928	418,125	206,052	1,093,948			3,458,000
7	3,974	106,281	110,255	0.5280	419,745	221,625	1,078,375			3,474,000
8	4,413	104,743	109,156	0.5632	420,000	236,544	1,063,456			3,489,000
9	5,548	103,698	109,246	0.5984	420,000	251,328	1,048,672			3,503,000
10	4,607	103,784	108,391	0.6336	420,000	266,112	1,033,888			3,518,000
11	4,830	102,971	107,801	0.6688	420,000	280,896	1,019,104			3,533,000
12	5,071	102,411	107,482	0.7040	420,000	295,680	1,004,320			3,548,000
13	5,345	102,108	107,453	0.7392	420,000	310,464	989,536			3,562,000
14	5,235	102,080	107,315	0.7744	420,000	325,248	974,752			3,577,000
15	5,074	101,949	107,023	0.8096	420,000	340,032	959,968			3,592,000
16	8,216	101,672	109,888	0.8448	420,000	354,816	945,184			3,607,000
17	5,750	104,394	110,144	0.8800	419,856	369,473	930,527			3,621,000
18	6,241	104,637	110,878	0.9152	419,122	383,581	916,419			3,636,000
19	6,826	105,334	112,160	0.9504	417,840	397,115	902,885			3,649,000
20	5,514	106,552	112,066	0.9856	417,934	411,916	888,084			3,664,000
21	7,429	106,463	113,892	1.0208	416,108	424,764	875,236			3,677,000
22	7,403	108,197	115,600	1.0560	414,400	437,606	862,394			3,690,000
23	7,438	109,820	117,258	1.0912	412,742	450,384	849,616			3,702,000
24	8,161	111,395	119,556	1.1264	410,444	462,324	837,676			3,714,000
25	11,400	113,578	124,978	1.1616	405,022	470,473	829,527			3,722,000
26	14,629	118,729	133,358	1.1968	396,642	474,701	825,299			3,727,000
27	13,518	126,690	140,208	1.2320	389,792	480,223	819,777			3,732,000
28	13,235	133,198	146,433	1.2672	383,567	486,056	813,944			3,738,000
29	10,473	139,111	149,584	1.3024	380,416	495,453	804,547			3,747,000
30	11,509	142,105	153,614	1.3376	376,386	503,454	796,546			3,755,000
31	9,043	145,933	154,976	1.3728	375,024	514,832	785,168			3,767,000

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.