

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

JANUARY 2021

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: February 2, 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
			66,297							
1	3,551	62,983	66,534	0.3204	420,000	134,568	1,165,432			3,387,000
2	3,760	63,207	66,967	0.3560	420,000	149,520	1,150,480			3,402,000
3	3,926	63,619	67,545	0.3916	420,000	164,472	1,135,528			3,416,000
4	8,554	64,167	72,721	0.4272	420,000	179,424	1,120,576			3,431,000
5	4,589	69,085	73,674	0.4628	420,000	194,376	1,105,624			3,446,000
6	4,918	69,991	74,909	0.4984	420,000	209,328	1,090,672			3,461,000
7	3,616	71,163	74,779	0.5340	420,000	224,280	1,075,720			3,476,000
8	5,053	71,040	76,093	0.5696	420,000	239,232	1,060,768			3,491,000
9	3,917	72,289	76,206	0.6052	420,000	254,184	1,045,816			3,506,000
10	2,502	72,395	74,897	0.6408	420,000	269,136	1,030,864			3,521,000
11	3,308	71,152	74,460	0.6764	420,000	284,088	1,015,912			3,536,000
12	4,805	70,737	75,542	0.7120	420,000	299,040	1,000,960			3,551,000
13	6,119	71,765	77,884	0.7476	420,000	313,992	986,008			3,566,000
14	4,251	73,990	78,241	0.7832	420,000	328,944	971,056			3,581,000
15	3,850	74,329	78,179	0.8188	420,000	343,896	956,104			3,596,000
16	4,160	74,270	78,430	0.8544	420,000	358,848	941,152			3,611,000
17	3,331	74,509	77,840	0.8900	420,000	373,800	926,200			3,626,000
18	3,053	73,948	77,001	0.9256	420,000	388,752	911,248			3,641,000
19	3,614	73,151	76,765	0.9612	420,000	403,704	896,296			3,656,000
20	3,971	72,926	76,897	0.9968	420,000	418,656	881,344			3,671,000
21	3,517	73,052	76,569	1.0324	420,000	433,608	866,392			3,686,000
22	3,848	72,741	76,589	1.0680	420,000	448,560	851,440			3,701,000
23	3,254	72,760	76,014	1.1036	420,000	463,512	836,488			3,716,000
24	4,407	72,213	76,620	1.1392	420,000	478,464	821,536			3,730,000
25	3,731	72,789	76,520	1.1748	420,000	493,416	806,584			3,745,000
26	4,450	72,694	77,144	1.2104	420,000	508,368	791,632			3,760,000
27	5,671	73,287	78,958	1.2460	420,000	523,320	776,680			3,775,000
28	5,553	75,010	80,563	1.2816	420,000	538,272	761,728			3,790,000
29	5,884	76,535	82,419	1.3172	420,000	553,224	746,776			3,805,000
30	5,811	78,298	84,109	1.3528	420,000	568,176	731,824			3,820,000
31	5,913	79,903	85,816	1.3884	420,000	583,128	716,872			3,835,000

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