

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

JANUARY 2018

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: February 2, 2018

DAY	SHASTA INFLOW C. F. S.	PREV DAY F. C. PAR (COL 3)	F. C. PARAM (COLS. 1 + 2)	.0356* X DAYS 12/23 THRU 3/20	530,000 MINUS F. C. PARAM	COLS	F. C. RESERV (1,300,000 - COL 6)	MINUS 14,943 PER DAY AFTER	ADJUSTED F. C. RESERV (7-8)	PERM STORAGE
1	2	3	4	5	6	7	8			
			86,229							
1	4,312	81,918	86,230	0.3204	420,000	134,568	1,165,432			3,387,000
2	3,744	81,918	85,662	0.3560	420,000	149,520	1,150,480			3,402,000
3	4,472	81,379	85,851	0.3916	420,000	164,472	1,135,528			3,416,000
4	5,331	81,559	86,890	0.4272	420,000	179,424	1,120,576			3,431,000
5	5,435	82,545	87,980	0.4628	420,000	194,376	1,105,624			3,446,000
6	4,890	83,581	88,471	0.4984	420,000	209,328	1,090,672			3,461,000
7	4,741	84,048	88,789	0.5340	420,000	224,280	1,075,720			3,476,000
8	9,106	84,349	93,455	0.5696	420,000	239,232	1,060,768			3,491,000
9	6,683	88,782	95,465	0.6052	420,000	254,184	1,045,816			3,506,000
10	5,552	90,692	96,244	0.6408	420,000	269,136	1,030,864			3,521,000
11	4,227	91,432	95,659	0.6764	420,000	284,088	1,015,912			3,536,000
12	5,595	90,876	96,471	0.7120	420,000	299,040	1,000,960			3,551,000
13	5,979	91,647	97,626	0.7476	420,000	313,992	986,008			3,566,000
14	5,972	92,745	98,717	0.7832	420,000	328,944	971,056			3,581,000
15	4,779	93,781	98,560	0.8188	420,000	343,896	956,104			3,596,000
16	4,967	93,632	98,599	0.8544	420,000	358,848	941,152			3,611,000
17	5,345	93,669	99,014	0.8900	420,000	373,800	926,200			3,626,000
18	7,006	94,064	101,070	0.9256	420,000	388,752	911,248			3,641,000
19	5,465	96,016	101,481	0.9612	420,000	403,704	896,296			3,656,000
20	5,602	96,407	102,009	0.9968	420,000	418,656	881,344			3,671,000
21	6,682	96,909	103,591	1.0324	420,000	433,608	866,392			3,686,000
22	6,140	98,411	104,551	1.0680	420,000	448,560	851,440			3,701,000
23	5,124	99,323	104,447	1.1036	420,000	463,512	836,488			3,716,000
24	7,829	99,225	107,054	1.1392	420,000	478,464	821,536			3,730,000
25	6,853	101,701	108,554	1.1748	420,000	493,416	806,584			3,745,000
26	7,873	103,127	111,000	1.2104	419,000	507,158	792,842			3,759,000
27	6,630	105,450	112,080	1.2460	417,920	520,729	779,271			3,773,000
28	6,191	106,476	112,667	1.2816	417,333	534,854	765,146			3,787,000
29	6,645	107,033	113,678	1.3172	416,322	548,379	751,621			3,800,000
30	7,307	107,994	115,301	1.3528	414,699	561,004	738,996			3,813,000
31	6,203	109,536	115,739	1.3884	414,261	575,159	724,841			3,827,000

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