

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

MARCH 2017

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: April 1, 2017

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		
			787,888							
1	16,764	748,493	765,257	2.4208			1,300,000			3,252,000
2	14,924	726,995	741,919	2.4564			1,300,000			3,252,000
3	13,942	704,823	718,765	2.4920			1,300,000			3,252,000
4	15,682	682,826	698,508	2.5276			1,300,000			3,252,000
5	15,071	663,583	678,654	2.5632			1,300,000			3,252,000
6	15,287	644,721	660,008	2.5988			1,300,000			3,252,000
7	17,105	627,008	644,113	2.6344			1,300,000			3,252,000
8	16,250	611,907	628,157	2.6700			1,300,000			3,252,000
9	14,436	596,749	611,185	2.7056			1,300,000			3,252,000
10	16,874	580,626	597,500	2.7412			1,300,000			3,252,000
11	15,619	567,625	583,244	2.7768			1,300,000			3,252,000
12	15,610	554,082	569,692	2.8124			1,300,000			3,252,000
13	15,945	541,207	557,152	2.8480			1,300,000			3,252,000
14	17,774	529,295	547,069	2.8836			1,300,000			3,252,000
15	16,165	519,715	535,880	2.9192			1,300,000			3,252,000
16	16,454	509,086	525,540	2.9548	4,460	13,178	1,286,822			3,265,000
17	16,420	499,263	515,683	2.9904	14,317	42,813	1,257,187			3,295,000
18	16,497	489,899	506,396	3.0260	23,604	71,426	1,228,574			3,323,000
19	17,990	481,076	499,066	3.0616	30,934	94,707	1,205,293			3,347,000
20	18,424	474,113	492,537	3.0972	37,463	116,031	1,183,969			3,368,000
21	30,701	467,910	498,611	3.0972	31,389	97,218	1,202,782	14,943	1,187,839	3,364,000
22	35,560	473,681	509,241	3.0972	20,759	64,296	1,235,704	29,886	1,205,818	3,346,000
23	30,116	483,779	513,895	3.0972	16,105	49,882	1,250,118	44,829	1,205,289	3,347,000
24	36,254	488,200	524,454	3.0972	5,546	17,178	1,282,822	59,772	1,223,050	3,329,000
25	36,662	498,231	534,893	3.0972			1,300,000	74,715	1,225,285	3,327,000
26	29,997	508,148	538,145	3.0972			1,300,000	89,658	1,210,342	3,342,000
27	25,490	511,238	536,728	3.0972			1,300,000	104,601	1,195,399	3,357,000
28	22,381	509,892	532,273	3.0972			1,300,000	119,544	1,180,456	3,372,000
29	20,788	505,659	526,447	3.0972	3,553	11,004	1,288,996	134,487	1,154,509	3,397,000
30	19,701	500,125	519,826	3.0972	10,174	31,512	1,268,488	149,430	1,119,058	3,433,000
31	17,733	493,834	511,567	3.0972	18,433	57,089	1,242,911	164,373	1,078,538	3,473,000

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.