

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

JANUARY 2017

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: February 6, 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			
			224,762							
1	5,079	213,524	218,603	0.3204	311,397	99,771	1,200,229			3,352,000
2	6,622	207,673	214,295	0.3560	315,705	112,391	1,187,609			3,364,000
3	9,434	203,580	213,014	0.3916	316,986	124,132	1,175,868			3,376,000
4	9,838	202,364	212,202	0.4272	317,798	135,763	1,164,237			3,388,000
5	10,939	201,592	212,531	0.4628	317,469	146,925	1,153,075			3,399,000
6	10,243	201,904	212,147	0.4984	317,853	158,418	1,141,582			3,410,000
7	12,235	201,540	213,775	0.5340	316,225	168,864	1,131,136			3,421,000
8	43,844	203,086	246,930	0.5696	283,070	161,237	1,138,763			3,413,000
9	54,221	234,583	288,804	0.6052	241,196	145,972	1,154,028			3,398,000
10	68,120	274,364	342,484	0.6408	187,516	120,160	1,179,840			3,372,000
11	56,861	325,360	382,221	0.6764	147,779	99,958	1,200,042			3,352,000
12	37,431	363,110	400,541	0.7120	129,459	92,175	1,207,825			3,344,000
13	28,473	380,514	408,987	0.7476	121,013	90,469	1,209,531			3,342,000
14	23,682	388,538	412,220	0.7832	117,780	92,246	1,207,754			3,344,000
15	19,003	391,609	410,612	0.8188	119,388	97,755	1,202,245			3,350,000
16	18,111	390,081	408,192	0.8544	121,808	104,073	1,195,927			3,356,000
17	15,190	387,782	402,972	0.8900	127,028	113,055	1,186,945			3,365,000
18	23,939	382,824	406,763	0.9256	123,237	114,068	1,185,932			3,366,000
19	26,824	386,425	413,249	0.9612	116,751	112,221	1,187,779			3,364,000
20	38,801	392,586	431,387	0.9968	98,613	98,297	1,201,703			3,350,000
21	35,169	409,818	444,987	1.0324	85,013	87,768	1,212,232			3,340,000
22	40,933	422,738	463,671	1.0680	66,329	70,840	1,229,160			3,323,000
23	28,529	440,487	469,016	1.1036	60,984	67,302	1,232,698			3,319,000
24	20,434	445,565	465,999	1.1392	64,001	72,910	1,227,090			3,325,000
25	17,049	442,699	459,748	1.1748	70,252	82,532	1,217,468			3,335,000
26	14,933	436,761	451,694	1.2104	78,306	94,782	1,205,218			3,347,000
27	13,586	429,109	442,695	1.2460	87,305	108,782	1,191,218			3,361,000
28	11,159	420,560	431,719	1.2816	98,281	125,956	1,174,044			3,378,000
29	10,853	410,133	420,986	1.3172	109,014	143,593	1,156,407			3,396,000
30	10,830	399,937	410,767	1.3528	119,233	161,298	1,138,702			3,413,000
31	10,304	390,229	400,533	1.3884	129,467	179,752	1,120,248			3,432,000

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.