

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

MAY 2016

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: July 19, 2016

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			
			212,705							
1	6,273	202,070	208,343	3.0976	321,657	996,364	303,636	627,606		4,552,000
2	4,563	197,926	202,489	3.0976	327,511	1,014,498	285,502	642,549		4,552,000
3	4,812	192,365	197,177	3.0976	332,823	1,030,954	269,046	657,492		4,552,000
4	4,627	187,318	191,945	3.0976	338,055	1,047,160	252,840	672,435		4,552,000
5	4,809	182,348	187,157	3.0976	342,843	1,061,992	238,008	687,378		4,552,000
6	5,594	177,799	183,393	3.0976	346,607	1,073,651	226,349	702,321		4,552,000
7	5,146	174,223	179,369	3.0976	350,631	1,086,114	213,886	717,264		4,552,000
8	4,939	170,401	175,340	3.0976	354,660	1,098,596	201,404	732,207		4,552,000
9	5,080	166,573	171,653	3.0976	358,347	1,110,017	189,983	747,150		4,552,000
10	4,925	163,070	167,995	3.0976	362,005	1,121,347	178,653	762,093		4,552,000
11	5,573	159,595	165,168	3.0976	364,832	1,130,103	169,897	777,036		4,552,000
12	4,227	156,910	161,137	3.0976	368,863	1,142,591	157,409	791,979		4,552,000
13	4,959	153,080	158,039	3.0976	371,961	1,152,186	147,814	806,922		4,552,000
14	5,941	150,137	156,078	3.0976	373,922	1,158,261	141,739	821,865		4,552,000
15	5,850	148,274	154,124	3.0976	375,876	1,164,313	135,687	836,808		4,552,000
16	5,047	146,418	151,465	3.0976	378,535	1,172,550	127,450	851,751		4,552,000
17	5,798	143,892	149,690	3.0976	380,310	1,178,049	121,951	866,694		4,552,000
18	3,153	142,205	145,358	3.0976	384,642	1,191,466	108,534	881,637		4,552,000
19	4,039	138,090	142,129	3.0976	387,871	1,201,468	98,532	896,580		4,552,000
20	4,396	135,023	139,419	3.0976	390,581	1,209,864	90,136	911,523		4,552,000
21	5,996	132,448	138,444	3.0976	391,556	1,212,884	87,116	926,466		4,552,000
22	6,852	131,522	138,374	3.0976	391,626	1,213,102	86,898	941,409		4,552,000
23	4,893	131,455	136,348	3.0976	393,652	1,219,376	80,624	956,352		4,552,000
24	4,299	129,531	133,830	3.0976	396,170	1,227,177	72,823	971,295		4,552,000
25	3,604	127,138	130,742	3.0976	399,258	1,236,741	63,259	986,238		4,552,000
26	5,004	124,205	129,209	3.0976	400,791	1,241,490	58,510	1,001,181		4,552,000
27	4,944	122,749	127,693	3.0976	402,307	1,246,187	53,813	1,016,124		4,552,000
28	4,419	121,308	125,727	3.0976	404,273	1,252,276	47,724	1,031,067		4,552,000
29	4,463	119,441	123,904	3.0976	406,096	1,257,924	42,076	1,046,010		4,552,000
30	4,828	117,708	122,536	3.0976	407,464	1,262,159	37,841	1,060,953		4,552,000
31	4,120	116,410	120,530	3.0976	409,470	1,268,376	31,624	1,075,896		4,552,000

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.