

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

MARCH 2014

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: April 25, 2014

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			
			98,842							
1	6,772	93,900	100,672	2.4208	420,000	1,016,736	283,264			4,269,000
2	8,764	95,638	104,402	2.4564	420,000	1,031,688	268,312			4,284,000
3	18,886	99,182	118,068	2.4920	411,932	1,026,534	273,466			4,279,000
4	16,030	112,165	128,195	2.5276	401,805	1,015,603	284,397			4,268,000
5	14,396	121,785	136,181	2.5632	393,819	1,009,437	290,563			4,261,000
6	16,999	129,372	146,371	2.5988	383,629	996,975	303,025			4,249,000
7	12,912	139,053	151,965	2.6344	378,035	995,897	304,103			4,248,000
8	9,420	144,366	153,786	2.6700	376,214	1,004,491	295,509			4,256,000
9	10,423	146,097	156,520	2.7056	373,480	1,010,488	289,512			4,262,000
10	13,121	148,694	161,815	2.7412	368,185	1,009,269	290,731			4,261,000
11	11,368	153,724	165,092	2.7768	364,908	1,013,276	286,724			4,265,000
12	9,794	156,838	166,632	2.8124	363,368	1,021,937	278,063			4,274,000
13	9,039	158,300	167,339	2.8480	362,661	1,032,858	267,142			4,285,000
14	6,172	158,972	165,144	2.8836	364,856	1,052,099	247,901			4,304,000
15	6,577	156,887	163,464	2.9192	366,536	1,069,992	230,008			4,322,000
16	5,185	155,291	160,476	2.9548	369,524	1,091,870	208,130			4,344,000
17	6,349	152,452	158,801	2.9904	371,199	1,110,034	189,966			4,362,000
18	4,934	150,861	155,795	3.0260	374,205	1,132,345	167,655			4,384,000
19	4,994	148,005	152,999	3.0616	377,001	1,154,226	145,774			4,406,000
20	5,501	145,349	150,850	3.0972	379,150	1,174,303	125,697			4,426,000
21	4,397	143,308	147,705	3.0972	382,295	1,184,045	115,955	14,943	101,012	4,451,000
22	3,564	140,319	143,883	3.0972	386,117	1,195,880	104,120	29,886	74,234	4,478,000
23	4,377	136,689	141,066	3.0972	388,934	1,204,606	95,394	44,829	50,565	4,502,000
24	4,669	134,013	138,682	3.0972	391,318	1,211,990	88,010	59,772	28,238	4,524,000
25	3,332	131,748	135,080	3.0972	394,920	1,223,147	76,853	74,715	2,138	4,550,000
26	5,891	128,326	134,217	3.0972	395,783	1,225,820	74,180	89,658		4,552,000
27	5,218	127,506	132,724	3.0972	397,276	1,230,443	69,557	104,601		4,552,000
28	11,396	126,088	137,484	3.0972	392,516	1,215,701	84,299	119,544		4,552,000
29	21,969	130,610	152,579	3.0972	377,421	1,168,950	131,050	134,487		4,552,000
30	12,646	144,950	157,596	3.0972	372,404	1,153,411	146,589	149,430		4,552,000
31	13,415	149,716	163,131	3.0972	366,869	1,136,267	163,733	164,373		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.