

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

APRIL 2014

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: June 6, 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			
			163,131							
1	14,192	154,974	169,166	3.0972	360,834	1,117,574	182,426	179,316	3,110	4,549,000
2	11,307	160,708	172,015	3.0972	357,985	1,108,751	191,249	194,259		4,552,000
3	9,032	163,414	172,446	3.0972	357,554	1,107,415	192,585	209,202		4,552,000
4	9,119	163,824	172,943	3.0972	357,057	1,105,877	194,123	224,145		4,552,000
5	7,874	164,296	172,170	3.0972	357,830	1,108,272	191,728	239,088		4,552,000
6	7,414	163,561	170,975	3.0972	359,025	1,111,971	188,029	254,031		4,552,000
7	7,809	162,427	170,236	3.0972	359,764	1,114,262	185,738	268,974		4,552,000
8	7,282	161,724	169,006	3.0972	360,994	1,118,071	181,929	283,917		4,552,000
9	7,933	160,555	168,488	3.0972	361,512	1,119,673	180,327	298,860		4,552,000
10	6,720	160,064	166,784	3.0972	363,216	1,124,952	175,048	313,803		4,552,000
11	6,913	158,445	165,358	3.0972	364,642	1,129,370	170,630	328,746		4,552,000
12	5,251	157,090	162,341	3.0972	367,659	1,138,714	161,286	343,689		4,552,000
13	5,535	154,224	159,759	3.0972	370,241	1,146,711	153,289	358,632		4,552,000
14	6,091	151,771	157,862	3.0972	372,138	1,152,586	147,414	373,575		4,552,000
15	5,421	149,969	155,390	3.0972	374,610	1,160,242	139,758	388,518		4,552,000
16	4,811	147,620	152,431	3.0972	377,569	1,169,406	130,594	403,461		4,552,000
17	5,212	144,810	150,022	3.0972	379,978	1,176,868	123,132	418,404		4,552,000
18	4,957	142,521	147,478	3.0972	382,522	1,184,748	115,252	433,347		4,552,000
19	4,343	140,104	144,447	3.0972	385,553	1,194,135	105,865	448,290		4,552,000
20	4,279	137,224	141,503	3.0972	388,497	1,203,251	96,749	463,233		4,552,000
21	5,536	134,428	139,964	3.0972	390,036	1,208,019	91,981	478,176		4,552,000
22	3,605	132,966	136,571	3.0972	393,429	1,218,528	81,472	493,119		4,552,000
23	3,908	129,743	133,651	3.0972	396,349	1,227,574	72,426	508,062		4,552,000
24	4,108	126,968	131,076	3.0972	398,924	1,235,547	64,453	523,005		4,552,000
25	4,444	124,522	128,966	3.0972	401,034	1,242,082	57,918	537,948		4,552,000
26	3,272	122,518	125,790	3.0972	404,210	1,251,919	48,081	552,891		4,552,000
27	3,754	119,500	123,254	3.0972	406,746	1,259,772	40,228	567,834		4,552,000
28	3,623	117,092	120,715	3.0972	409,285	1,267,638	32,362	582,777		4,552,000
29	3,659	114,679	118,338	3.0972	411,662	1,275,000	25,000	597,720		4,552,000
30	3,763	112,421	116,184	3.0972	413,816	1,281,671	18,329	612,663		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.