

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

MAY 2012

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: August 23, 2012

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			
			247,746							
1	8,744	235,359	244,103	3.0976	285,897	885,596	414,404	627,606		4,552,000
2	8,477	231,898	240,375	3.0976	289,625	897,144	402,856	642,549		4,552,000
3	9,081	228,356	237,437	3.0976	292,563	906,244	393,756	657,492		4,552,000
4	7,637	225,565	233,202	3.0976	296,798	919,362	380,638	672,435		4,552,000
5	9,165	221,542	230,707	3.0976	299,293	927,090	372,910	687,378		4,552,000
6	9,313	219,172	228,485	3.0976	301,515	933,974	366,026	702,321		4,552,000
7	9,281	217,060	226,341	3.0976	303,659	940,613	359,387	717,264		4,552,000
8	6,002	215,024	221,026	3.0976	308,974	957,077	342,923	732,207		4,552,000
9	6,146	209,975	216,121	3.0976	313,879	972,272	327,728	747,150		4,552,000
10	7,226	205,315	212,541	3.0976	317,459	983,361	316,639	762,093		4,552,000
11	7,339	201,914	209,253	3.0976	320,747	993,546	306,454	777,036		4,552,000
12	7,052	198,790	205,842	3.0976	324,158	1,004,111	295,889	791,979		4,552,000
13	6,245	195,550	201,795	3.0976	328,205	1,016,648	283,352	806,922		4,552,000
14	7,691	191,705	199,396	3.0976	330,604	1,024,078	275,922	821,865		4,552,000
15	7,141	189,427	196,568	3.0976	333,432	1,032,840	267,160	836,808		4,552,000
16	6,499	186,739	193,238	3.0976	336,762	1,043,154	256,846	851,751		4,552,000
17	5,249	183,576	188,825	3.0976	341,175	1,056,823	243,177	866,694		4,552,000
18	6,559	179,384	185,943	3.0976	344,057	1,065,751	234,249	881,637		4,552,000
19	5,225	176,646	181,871	3.0976	348,129	1,078,365	221,635	896,580		4,552,000
20	5,409	172,777	178,186	3.0976	351,814	1,089,778	210,222	911,523		4,552,000
21	6,021	169,277	175,298	3.0976	354,702	1,098,725	201,275	926,466		4,552,000
22	5,017	166,533	171,550	3.0976	358,450	1,110,335	189,665	941,409		4,552,000
23	5,930	162,973	168,903	3.0976	361,097	1,118,535	181,465	956,352		4,552,000
24	3,774	160,457	164,231	3.0976	365,769	1,133,005	166,995	971,295		4,552,000
25	4,078	156,020	160,098	3.0976	369,902	1,145,809	154,191	986,238		4,552,000
26	3,707	152,093	155,800	3.0976	374,200	1,159,122	140,878	1,001,181		4,552,000
27	3,475	148,010	151,485	3.0976	378,515	1,172,488	127,512	1,016,124		4,552,000
28	3,705	143,911	147,616	3.0976	382,384	1,184,474	115,526	1,031,067		4,552,000
29	4,618	140,235	144,853	3.0976	385,147	1,193,032	106,968	1,046,010		4,552,000
30	4,508	137,610	142,118	3.0976	387,882	1,201,502	98,498	1,060,953		4,552,000
31	4,163	135,012	139,175	3.0976	390,825	1,210,618	89,382	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.