

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

MAY 2010

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: June 1, 2010

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			
			239,268							
1	9,999	227,305	237,304	3.0972	292,696	906,538	393,462	627,606		4,552,000
2	11,564	225,439	237,003	3.0972	292,997	907,471	392,529	642,549		4,552,000
3	10,498	225,153	235,651	3.0972	294,349	911,659	388,341	657,492		4,552,000
4	10,281	223,868	234,149	3.0972	295,851	916,309	383,691	672,435		4,552,000
5	10,268	222,442	232,710	3.0972	297,290	920,768	379,232	687,378		4,552,000
6	9,314	221,074	230,388	3.0972	299,612	927,958	372,042	702,321		4,552,000
7	9,265	218,869	228,134	3.0972	301,866	934,940	365,060	717,264		4,552,000
8	9,368	216,727	226,095	3.0972	303,905	941,254	358,746	732,207		4,552,000
9	8,869	214,790	223,659	3.0972	306,341	948,798	351,202	747,150		4,552,000
10	11,550	212,476	224,026	3.0972	305,974	947,662	352,338	762,093		4,552,000
11	10,505	212,825	223,330	3.0972	306,670	949,818	350,182	777,036		4,552,000
12	9,316	212,164	221,480	3.0972	308,520	955,550	344,450	791,979		4,552,000
13	9,472	210,406	219,878	3.0972	310,122	960,511	339,489	806,922		4,552,000
14	10,311	208,884	219,195	3.0972	310,805	962,626	337,374	821,865		4,552,000
15	10,270	208,235	218,505	3.0972	311,495	964,763	335,237	836,808		4,552,000
16	9,276	207,580	216,856	3.0972	313,144	969,871	330,129	851,751		4,552,000
17	7,735	206,013	213,748	3.0972	316,252	979,496	320,504	866,694		4,552,000
18	13,178	203,061	216,239	3.0972	313,761	971,782	328,218	881,637		4,552,000
19	9,221	205,427	214,648	3.0972	315,352	976,709	323,291	896,580		4,552,000
20	9,102	203,915	213,017	3.0972	316,983	981,759	318,241	911,523		4,552,000
21	8,969	202,366	211,335	3.0972	318,665	986,968	313,032	926,466		4,552,000
22	8,913	200,769	209,682	3.0972	320,318	992,090	307,910	941,409		4,552,000
23	7,012	199,197	206,209	3.0972	323,791	1,002,844	297,156	956,352		4,552,000
24	8,272	195,899	204,171	3.0972	325,829	1,009,158	290,842	971,295		4,552,000
25	9,459	193,962	203,421	3.0972	326,579	1,011,479	288,521	986,238		4,552,000
26	9,634	193,250	202,884	3.0972	327,116	1,013,142	286,858	1,001,181		4,552,000
27	9,896	192,740	202,636	3.0972	327,364	1,013,911	286,089	1,016,124		4,552,000
28	8,834	192,504	201,338	3.0972	328,662	1,017,931	282,069	1,031,067		4,552,000
29	7,991	191,271	199,262	3.0972	330,738	1,024,360	275,640	1,046,010		4,552,000
30	7,624	189,299	196,923	3.0972	333,077	1,031,605	268,395	1,060,953		4,552,000
31	8,387	187,077	195,464	3.0972	334,536	1,036,124	263,876	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.