

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

APRIL 2010

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: May 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			
			212,159							
1	10,081	201,551	211,632	3.0972	318,368	986,048	313,952	179,316	134,636	4,417,000
2	11,526	201,051	212,577	3.0972	317,423	983,123	316,877	194,259	122,618	4,429,000
3	9,526	201,948	211,474	3.0972	318,526	986,539	313,461	209,202	104,259	4,448,000
4	12,475	200,900	213,375	3.0972	316,625	980,650	319,350	224,145	95,205	4,457,000
5	11,262	202,707	213,969	3.0972	316,031	978,813	321,187	239,088	82,099	4,470,000
6	9,051	203,270	212,321	3.0972	317,679	983,915	316,085	254,031	62,054	4,490,000
7	9,643	201,705	211,348	3.0972	318,652	986,929	313,071	268,974	44,097	4,508,000
8	9,231	200,781	210,012	3.0972	319,988	991,068	308,932	283,917	25,015	4,527,000
9	9,579	199,511	209,090	3.0972	320,910	993,922	306,078	298,860	7,218	4,545,000
10	9,528	198,636	208,164	3.0972	321,836	996,792	303,208	313,803		4,552,000
11	12,269	197,755	210,024	3.0972	319,976	991,029	308,971	328,746		4,552,000
12	20,237	199,523	219,760	3.0972	310,240	960,875	339,125	343,689		4,552,000
13	18,139	208,772	226,911	3.0972	303,089	938,727	361,273	358,632	2,641	4,550,000
14	16,604	215,566	232,170	3.0972	297,830	922,440	377,560	373,575	3,985	4,548,000
15	15,004	220,561	235,565	3.0972	294,435	911,924	388,076	388,518		4,552,000
16	13,191	223,787	236,978	3.0972	293,022	907,548	392,452	403,461		4,552,000
17	13,818	225,129	238,947	3.0972	291,053	901,449	398,551	418,404		4,552,000
18	12,368	227,000	239,368	3.0972	290,632	900,147	399,853	433,347		4,552,000
19	12,169	227,399	239,568	3.0972	290,432	899,525	400,475	448,290		4,552,000
20	14,992	227,590	242,582	3.0972	287,418	890,192	409,808	463,233		4,552,000
21	10,181	230,453	240,634	3.0972	289,366	896,225	403,775	478,176		4,552,000
22	9,811	228,602	238,413	3.0972	291,587	903,103	396,897	493,119		4,552,000
23	10,377	226,492	236,869	3.0972	293,131	907,884	392,116	508,062		4,552,000
24	9,104	225,026	234,130	3.0972	295,870	916,369	383,631	523,005		4,552,000
25	9,554	222,423	231,977	3.0972	298,023	923,036	376,964	537,948		4,552,000
26	9,328	220,379	229,707	3.0972	300,293	930,069	369,931	552,891		4,552,000
27	16,791	218,221	235,012	3.0972	294,988	913,636	386,364	567,834		4,552,000
28	14,690	223,262	237,952	3.0972	292,048	904,532	395,468	582,777		4,552,000
29	13,239	226,054	239,293	3.0972	290,707	900,378	399,622	597,720		4,552,000
30	11,940	227,328	239,268	3.0972	290,732	900,454	399,546	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.