

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

APRIL 2011

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: May 1, 2011

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		
			457,559							
1	21,135	434,681	455,816	3.0972	74,184	229,763	1,070,237	179,316	890,921	3,661,000
2	21,618	433,025	454,643	3.0972	75,357	233,395	1,066,605	194,259	872,346	3,679,000
3	19,666	431,911	451,577	3.0972	78,423	242,892	1,057,108	209,202	847,906	3,704,000
4	17,670	428,998	446,668	3.0972	83,332	258,096	1,041,904	224,145	817,759	3,734,000
5	16,537	424,335	440,872	3.0972	89,128	276,048	1,023,952	239,088	784,864	3,767,000
6	16,111	418,828	434,939	3.0972	95,061	294,423	1,005,577	254,031	751,546	3,800,000
7	15,667	413,192	428,859	3.0972	101,141	313,253	986,747	268,974	717,773	3,834,000
8	14,685	407,416	422,101	3.0972	107,899	334,184	965,816	283,917	681,899	3,870,000
9	13,548	400,996	414,544	3.0972	115,456	357,590	942,410	298,860	643,550	3,909,000
10	13,423	393,817	407,240	3.0972	122,760	380,212	919,788	313,803	605,985	3,946,000
11	13,100	386,878	399,978	3.0972	130,022	402,704	897,296	328,746	568,550	3,984,000
12	12,147	379,979	392,126	3.0972	137,874	427,023	872,977	343,689	529,288	4,023,000
13	13,147	372,520	385,667	3.0972	144,333	447,029	852,971	358,632	494,339	4,058,000
14	10,465	366,383	376,848	3.0972	153,152	474,341	825,659	373,575	452,084	4,100,000
15	12,289	358,006	370,295	3.0972	159,705	494,638	805,362	388,518	416,844	4,136,000
16	10,780	351,780	362,560	3.0972	167,440	518,594	781,406	403,461	377,945	4,174,000
17	11,283	344,432	355,715	3.0972	174,285	539,795	760,205	418,404	341,801	4,210,000
18	12,438	337,929	350,367	3.0972	179,633	556,358	743,642	433,347	310,295	4,241,000
19	12,947	332,849	345,796	3.0972	184,204	570,516	729,484	448,290	281,194	4,271,000
20	16,931	328,506	345,437	3.0972	184,563	571,628	728,372	463,233	265,139	4,287,000
21	19,511	328,165	347,676	3.0972	182,324	564,693	735,307	478,176	257,131	4,295,000
22	17,110	330,293	347,403	3.0972	182,597	565,541	734,459	493,119	241,340	4,311,000
23	17,099	330,032	347,131	3.0972	182,869	566,380	733,620	508,062	225,558	4,326,000
24	18,148	329,775	347,923	3.0972	182,077	563,929	736,071	523,005	213,066	4,339,000
25	18,544	330,527	349,071	3.0972	180,929	560,374	739,626	537,948	201,678	4,350,000
26	17,938	331,617	349,555	3.0972	180,445	558,874	741,126	552,891	188,235	4,364,000
27	18,457	332,077	350,534	3.0972	179,466	555,841	744,159	567,834	176,325	4,376,000
28	16,549	333,008	349,557	3.0972	180,443	558,869	741,131	582,777	158,354	4,394,000
29	16,982	332,079	349,061	3.0972	180,939	560,405	739,595	597,720	141,875	4,410,000
30	14,673	331,608	346,281	3.0972	183,719	569,015	730,985	612,663	118,322	4,434,000

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.