

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

MARCH 2009

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: April 1, 2009

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			
			245,729							
1	28,149	233,443	261,592	2.4208	268,408	649,763	650,237			3,902,000
2	58,721	248,512	307,233	2.4564	222,767	547,204	752,796			3,799,000
3	42,100	291,871	333,971	2.4920	196,029	488,503	811,497			3,741,000
4	31,947	317,273	349,220	2.5276	180,780	456,940	843,060			3,709,000
5	24,103	331,759	355,862	2.5632	174,138	446,351	853,649			3,698,000
6	18,881	338,069	356,950	2.5988	173,050	449,723	850,277			3,702,000
7	16,837	339,102	355,939	2.6344	174,061	458,545	841,455			3,711,000
8	13,263	338,142	351,405	2.6700	178,595	476,848	823,152			3,729,000
9	12,446	333,835	346,281	2.7056	183,719	497,070	802,930			3,749,000
10	12,034	328,967	341,001	2.7412	188,999	518,084	781,916			3,770,000
11	10,042	323,951	333,993	2.7768	196,007	544,272	755,728			3,796,000
12	11,004	317,293	328,297	2.8124	201,703	567,269	732,731			3,819,000
13	9,037	311,882	320,919	2.8480	209,081	595,461	704,539			3,847,000
14	8,501	304,874	313,375	2.8836	216,625	624,661	675,339			3,877,000
15	11,050	297,706	308,756	2.9192	221,244	645,856	654,144			3,898,000
16	28,353	293,318	321,671	2.9548	208,329	615,571	684,429			3,868,000
17	24,970	305,587	330,557	2.9904	199,443	596,413	703,587			3,848,000
18	18,236	314,030	332,266	3.0260	197,734	598,344	701,656			3,850,000
19	14,327	315,652	329,979	3.0616	200,021	612,383	687,617			3,864,000
20	13,294	313,480	326,774	3.0972	203,226	629,431	670,569			3,881,000
21	16,115	310,436	326,551	3.0972	203,449	630,123	669,877	14,943	654,934	3,897,000
22	14,904	310,223	325,127	3.0972	204,873	634,532	665,468	29,886	635,582	3,917,000
23	11,016	308,871	319,887	3.0972	210,113	650,763	649,237	44,829	604,408	3,948,000
24	11,468	303,892	315,360	3.0972	214,640	664,782	635,218	59,772	575,446	3,977,000
25	11,927	299,592	311,519	3.0972	218,481	676,678	623,322	74,715	548,607	4,004,000
26	10,923	295,943	306,866	3.0972	223,134	691,089	608,911	89,658	519,253	4,033,000
27	9,994	291,523	301,517	3.0972	228,483	707,657	592,343	104,601	487,742	4,065,000
28	10,422	286,441	296,863	3.0972	233,137	722,071	577,929	119,544	458,385	4,094,000
29	9,484	282,020	291,504	3.0972	238,496	738,670	561,330	134,487	426,843	4,125,000
30	8,329	276,929	285,258	3.0972	244,742	758,015	541,985	149,430	392,555	4,159,000
31	8,295	270,995	279,290	3.0972	250,710	776,499	523,501	164,373	359,128	4,192,000

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.