

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

APRIL 2000

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: May 2, 2000

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			
			349,254							
1	11,741	331,791	343,532	3.0976	186,468	577,602	722,398	179,316	543,082	4,009,000
2	11,369	326,356	337,725	3.0976	192,275	595,592	704,408	194,259	510,149	4,042,000
3	9,241	320,838	330,079	3.0976	199,921	619,274	680,726	209,202	471,524	4,080,000
4	8,927	313,575	322,502	3.0976	207,498	642,744	657,256	224,145	433,111	4,119,000
5	10,163	306,377	316,540	3.0976	213,460	661,213	638,787	239,088	399,699	4,152,000
6	10,362	300,713	311,075	3.0976	218,925	678,141	621,859	254,031	367,828	4,184,000
7	10,220	295,522	305,742	3.0976	224,258	694,663	605,337	268,974	336,363	4,216,000
8	9,922	290,454	300,376	3.0976	229,624	711,282	588,718	283,917	304,801	4,247,000
9	9,328	285,358	294,686	3.0976	235,314	728,910	571,090	298,860	272,230	4,280,000
10	8,152	279,951	288,103	3.0976	241,897	749,299	550,701	313,803	236,898	4,315,000
11	9,912	273,698	283,610	3.0976	246,390	763,217	536,783	328,746	208,037	4,344,000
12	10,327	269,430	279,757	3.0976	250,243	775,154	524,846	343,689	181,157	4,371,000
13	17,079	265,769	282,848	3.0976	247,152	765,578	534,422	358,632	175,790	4,376,000
14	15,715	268,705	284,420	3.0976	245,580	760,707	539,293	373,575	165,718	4,386,000
15	14,122	270,199	284,321	3.0976	245,679	761,014	538,986	388,518	150,468	4,402,000
16	18,398	270,105	288,503	3.0976	241,497	748,060	551,940	403,461	148,479	4,404,000
17	27,903	274,078	301,981	3.0976	228,019	706,311	593,689	418,404	175,285	4,377,000
18	19,633	286,882	306,515	3.0976	223,485	692,267	607,733	433,347	174,386	4,378,000
19	17,724	291,189	308,913	3.0976	221,087	684,838	615,162	448,290	166,872	4,385,000
20	14,373	293,468	307,841	3.0976	222,159	688,161	611,839	463,233	148,606	4,403,000
21	14,695	292,449	307,144	3.0976	222,856	690,320	609,680	478,176	131,504	4,420,000
22	12,475	291,786	304,261	3.0976	225,739	699,248	600,752	493,119	107,633	4,444,000
23	12,240	289,048	301,288	3.0976	228,712	708,457	591,543	508,062	83,481	4,469,000
24	12,291	286,224	298,515	3.0976	231,485	717,048	582,952	523,005	59,947	4,492,000
25	12,648	283,589	296,237	3.0976	233,763	724,103	575,897	537,948	37,949	4,514,000
26	11,188	281,425	292,613	3.0976	237,387	735,329	564,671	552,891	11,780	4,540,000
27	10,274	277,983	288,257	3.0976	241,743	748,824	551,176	567,834		4,552,000
28	11,309	273,844	285,153	3.0976	244,847	758,438	541,562	582,777		4,552,000
29	10,902	270,895	281,797	3.0976	248,203	768,833	531,167	597,720		4,552,000
30	11,636	267,707	279,343	3.0976	250,657	776,434	523,566	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.