

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

APRIL 2009

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: May 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			
			279,299							
1	11,265	265,334	276,599	3.0972	253,401	784,833	515,167	179,316	335,851	4,216,000
2	7,222	262,769	269,991	3.0972	260,009	805,299	494,701	194,259	300,442	4,251,000
3	7,794	256,492	264,286	3.0972	265,714	822,970	477,030	209,202	267,828	4,284,000
4	7,955	251,071	259,026	3.0972	270,974	839,259	460,741	224,145	236,596	4,315,000
5	7,361	246,075	253,436	3.0972	276,564	856,574	443,426	239,088	204,338	4,348,000
6	8,483	240,764	249,247	3.0972	280,753	869,547	430,453	254,031	176,422	4,376,000
7	8,451	236,785	245,236	3.0972	284,764	881,971	418,029	268,974	149,055	4,403,000
8	7,106	232,974	240,080	3.0972	289,920	897,940	402,060	283,917	118,143	4,434,000
9	10,537	228,076	238,613	3.0972	291,387	902,483	397,517	298,860	98,657	4,453,000
10	10,192	226,683	236,875	3.0972	293,125	907,868	392,132	313,803	78,329	4,474,000
11	9,234	225,031	234,265	3.0972	295,735	915,951	384,049	328,746	55,303	4,497,000
12	8,798	222,552	231,350	3.0972	298,650	924,980	375,020	343,689	31,331	4,521,000
13	7,463	219,782	227,245	3.0972	302,755	937,693	362,307	358,632	3,675	4,549,000
14	7,866	215,883	223,749	3.0972	306,251	948,521	351,479	373,575		4,552,000
15	7,024	212,561	219,585	3.0972	310,415	961,416	338,584	388,518		4,552,000
16	7,264	208,606	215,870	3.0972	314,130	972,923	327,077	403,461		4,552,000
17	7,574	205,077	212,651	3.0972	317,349	982,895	317,105	418,404		4,552,000
18	6,936	202,018	208,954	3.0972	321,046	994,343	305,657	433,347		4,552,000
19	6,809	198,506	205,315	3.0972	324,685	1,005,613	294,387	448,290		4,552,000
20	7,164	195,050	202,214	3.0972	327,786	1,015,220	284,780	463,233		4,552,000
21	7,036	192,103	199,139	3.0972	330,861	1,024,743	275,257	478,176		4,552,000
22	7,492	189,182	196,674	3.0972	333,326	1,032,377	267,623	493,119		4,552,000
23	8,253	186,840	195,093	3.0972	334,907	1,037,273	262,727	508,062		4,552,000
24	6,456	185,339	191,795	3.0972	338,205	1,047,490	252,510	523,005		4,552,000
25	6,442	182,205	188,647	3.0972	341,353	1,057,239	242,761	537,948		4,552,000
26	8,980	179,215	188,195	3.0972	341,805	1,058,640	241,360	552,891		4,552,000
27	5,835	178,785	184,620	3.0972	345,380	1,069,712	230,288	567,834		4,552,000
28	6,107	175,389	181,496	3.0972	348,504	1,079,387	220,613	582,777		4,552,000
29	5,421	172,421	177,842	3.0972	352,158	1,090,704	209,296	597,720		4,552,000
30	6,034	168,950	174,984	3.0972	355,016	1,099,556	200,444	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.