

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

APRIL 2001

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: May 16, 2001

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			
			199,744							
1	7,005	189,756	196,761	3.0972	333,239	1,032,106	267,894	179,316	88,578	4,463,000
2	7,929	186,923	194,852	3.0972	335,148	1,038,019	261,981	194,259	67,722	4,484,000
3	8,066	185,110	193,176	3.0972	336,824	1,043,212	256,788	209,202	47,586	4,504,000
4	8,215	183,517	191,732	3.0972	338,268	1,047,684	252,316	224,145	28,171	4,524,000
5	7,118	182,145	189,263	3.0972	340,737	1,055,329	244,671	239,088	5,583	4,546,000
6	9,626	179,800	189,426	3.0972	340,574	1,054,825	245,175	254,031		4,552,000
7	7,669	179,955	187,624	3.0972	342,376	1,060,407	239,593	268,974		4,552,000
8	7,064	178,243	185,307	3.0972	344,693	1,067,584	232,416	283,917		4,552,000
9	6,279	176,041	182,320	3.0972	347,680	1,076,833	223,167	298,860		4,552,000
10	6,123	173,204	179,327	3.0972	350,673	1,086,103	213,897	313,803		4,552,000
11	6,010	170,361	176,371	3.0972	353,629	1,095,260	204,740	328,746		4,552,000
12	7,244	167,552	174,796	3.0972	355,204	1,100,136	199,864	343,689		4,552,000
13	7,209	166,057	173,266	3.0972	356,734	1,104,878	195,122	358,632		4,552,000
14	5,915	164,602	170,517	3.0972	359,483	1,113,390	186,610	373,575		4,552,000
15	6,432	161,991	168,423	3.0972	361,577	1,119,875	180,125	388,518		4,552,000
16	6,959	160,002	166,961	3.0972	363,039	1,124,403	175,597	403,461		4,552,000
17	6,866	158,613	165,479	3.0972	364,521	1,128,994	171,006	418,404		4,552,000
18	8,642	157,205	165,847	3.0972	364,153	1,127,854	172,146	433,347		4,552,000
19	7,653	157,555	165,208	3.0972	364,792	1,129,834	170,166	448,290		4,552,000
20	8,690	156,948	165,638	3.0972	364,362	1,128,504	171,496	463,233		4,552,000
21	6,069	157,356	163,425	3.0972	366,575	1,135,357	164,643	478,176		4,552,000
22	5,432	155,253	160,685	3.0972	369,315	1,143,841	156,159	493,119		4,552,000
23	6,479	152,651	159,130	3.0972	370,870	1,148,658	151,342	508,062		4,552,000
24	6,849	151,174	158,023	3.0972	371,977	1,152,088	147,912	523,005		4,552,000
25	6,190	150,121	156,311	3.0972	373,689	1,157,388	142,612	537,948		4,552,000
26	7,238	148,496	155,734	3.0972	374,266	1,159,177	140,823	552,891		4,552,000
27	6,629	147,947	154,576	3.0972	375,424	1,162,763	137,237	567,834		4,552,000
28	7,265	146,847	154,112	3.0972	375,888	1,164,199	135,801	582,777		4,552,000
29	7,487	146,407	153,894	3.0972	376,106	1,164,876	135,124	597,720		4,552,000
30	7,856	146,199	154,055	3.0972	375,945	1,164,377	135,623	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.