

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

APRIL 2002

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: May 15, 2002

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			
			192,163							
1	6,532	182,555	189,087	3.0972	340,913	1,055,877	244,123	179,316	64,807	4,487,000
2	7,382	179,632	187,014	3.0972	342,986	1,062,295	237,705	194,259	43,446	4,508,000
3	7,622	177,664	185,286	3.0972	344,714	1,067,650	232,350	209,202	23,148	4,529,000
4	9,349	176,021	185,370	3.0972	344,630	1,067,387	232,613	224,145	8,468	4,543,000
5	9,373	176,102	185,475	3.0972	344,525	1,067,064	232,936	239,088		4,552,000
6	9,117	176,201	185,318	3.0972	344,682	1,067,549	232,451	254,031		4,552,000
7	9,538	176,052	185,590	3.0972	344,410	1,066,706	233,294	268,974		4,552,000
8	7,724	176,311	184,035	3.0972	345,965	1,071,524	228,476	283,917		4,552,000
9	8,611	174,833	183,444	3.0972	346,556	1,073,354	226,646	298,860		4,552,000
10	8,309	174,272	182,581	3.0972	347,419	1,076,027	223,973	313,803		4,552,000
11	8,494	173,452	181,946	3.0972	348,054	1,077,994	222,006	328,746		4,552,000
12	9,660	172,848	182,508	3.0972	347,492	1,076,251	223,749	343,689		4,552,000
13	8,739	173,383	182,122	3.0972	347,878	1,077,448	222,552	358,632		4,552,000
14	9,945	173,016	182,961	3.0972	347,039	1,074,850	225,150	373,575		4,552,000
15	7,777	173,813	181,590	3.0972	348,410	1,079,096	220,904	388,518		4,552,000
16	8,311	172,510	180,821	3.0972	349,179	1,081,476	218,524	403,461		4,552,000
17	7,639	171,780	179,419	3.0972	350,581	1,085,819	214,181	418,404		4,552,000
18	7,373	170,448	177,821	3.0972	352,179	1,090,768	209,232	433,347		4,552,000
19	7,512	168,930	176,442	3.0972	353,558	1,095,039	204,961	448,290		4,552,000
20	6,600	167,620	174,220	3.0972	355,780	1,101,921	198,079	463,233		4,552,000
21	8,476	165,509	173,985	3.0972	356,015	1,102,649	197,351	478,176		4,552,000
22	6,626	165,286	171,912	3.0972	358,088	1,109,071	190,929	493,119		4,552,000
23	7,042	163,316	170,358	3.0972	359,642	1,113,882	186,118	508,062		4,552,000
24	7,031	161,840	168,871	3.0972	361,129	1,118,488	181,512	523,005		4,552,000
25	7,083	160,428	167,511	3.0972	362,489	1,122,702	177,298	537,948		4,552,000
26	6,906	159,135	166,041	3.0972	363,959	1,127,253	172,747	552,891		4,552,000
27	6,393	157,739	164,132	3.0972	365,868	1,133,166	166,834	567,834		4,552,000
28	6,814	155,926	162,740	3.0972	367,260	1,137,479	162,521	582,777		4,552,000
29	6,192	154,603	160,795	3.0972	369,205	1,143,503	156,497	597,720		4,552,000
30	7,823	152,755	160,578	3.0972	369,422	1,144,174	155,826	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.