

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

MARCH 2003

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: April 21, 2003

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			
			212,593							
1	6,475	201,963	208,438	2.4208	321,562	778,436	521,564			4,030,000
2	6,484	198,017	204,501	2.4564	325,499	799,557	500,443			4,052,000
3	5,953	194,276	200,229	2.4920	329,771	821,790	478,210			4,074,000
4	5,986	190,217	196,203	2.5276	333,797	843,705	456,295			4,096,000
5	5,932	186,393	192,325	2.5632	337,675	865,529	434,471			4,118,000
6	6,025	182,709	188,734	2.5988	341,266	886,883	413,117			4,139,000
7	5,886	179,297	185,183	2.6344	344,817	908,386	391,614			4,160,000
8	5,749	175,924	181,673	2.6700	348,327	930,033	369,967			4,182,000
9	6,062	172,589	178,651	2.7056	351,349	950,609	349,391			4,203,000
10	5,797	169,719	175,516	2.7412	354,484	971,712	328,288			4,224,000
11	5,884	166,740	172,624	2.7768	357,376	992,362	307,638			4,244,000
12	7,115	163,993	171,108	2.8124	358,892	1,009,349	290,651			4,261,000
13	9,796	162,552	172,348	2.8480	357,652	1,018,592	281,408			4,271,000
14	15,084	163,731	178,815	2.8836	351,185	1,012,677	287,323			4,265,000
15	38,496	169,874	208,370	2.9192	321,630	938,902	361,098			4,191,000
16	23,843	197,952	221,795	2.9548	308,205	910,685	389,315			4,163,000
17	18,323	210,705	229,028	2.9904	300,972	900,027	399,973			4,152,000
18	15,110	217,577	232,687	3.0260	297,313	899,671	400,329			4,152,000
19	14,394	221,052	235,446	3.0616	294,554	901,806	398,194			4,154,000
20	13,216	223,674	236,890	3.0972	293,110	907,821	392,179			4,160,000
21	11,750	225,045	236,795	3.0972	293,205	908,113	391,887	14,943	376,944	4,175,000
22	12,122	224,956	237,078	3.0972	292,922	907,239	392,761	29,886	362,875	4,189,000
23	12,695	225,224	237,919	3.0972	292,081	904,634	395,366	44,829	350,537	4,202,000
24	10,577	226,023	236,600	3.0972	293,400	908,719	391,281	59,772	331,509	4,221,000
25	10,907	224,770	235,677	3.0972	294,323	911,578	388,422	74,715	313,707	4,239,000
26	12,462	223,893	236,355	3.0972	293,645	909,477	390,523	89,658	300,865	4,251,000
27	11,702	224,537	236,239	3.0972	293,761	909,836	390,164	104,601	285,563	4,267,000
28	9,379	224,427	233,806	3.0972	296,194	917,371	382,629	119,544	263,085	4,289,000
29	10,054	222,116	232,170	3.0972	297,830	922,439	377,561	134,487	243,074	4,308,000
30	10,123	220,561	230,684	3.0972	299,316	927,040	372,960	149,430	223,530	4,328,000
31	10,113	219,150	229,263	3.0972	300,737	931,442	368,558	164,373	204,185	4,347,000

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.