

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

MAY 2003

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: June 20, 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			
			295,636							
1	22,927	280,854	303,781	3.0972	226,219	700,646	599,354	627,606		4,552,000
2	20,157	288,592	308,749	3.0972	221,251	685,259	614,741	642,549		4,552,000
3	19,016	293,311	312,327	3.0972	217,673	674,175	625,825	657,492		4,552,000
4	18,109	296,711	314,820	3.0972	215,180	666,455	633,545	672,435		4,552,000
5	16,272	299,079	315,351	3.0972	214,649	664,811	635,189	687,378		4,552,000
6	15,951	299,584	315,535	3.0972	214,465	664,242	635,758	702,321		4,552,000
7	14,282	299,758	314,040	3.0972	215,960	668,872	631,128	717,264		4,552,000
8	14,319	298,338	312,657	3.0972	217,343	673,155	626,845	732,207		4,552,000
9	16,102	297,024	313,126	3.0972	216,874	671,702	628,298	747,150		4,552,000
10	14,531	297,470	312,001	3.0972	217,999	675,187	624,813	762,093		4,552,000
11	14,916	296,401	311,317	3.0972	218,683	677,306	622,694	777,036		4,552,000
12	14,201	295,751	309,952	3.0972	220,048	681,533	618,467	791,979		4,552,000
13	13,861	294,454	308,315	3.0972	221,685	686,602	613,398	806,922		4,552,000
14	13,317	292,899	306,216	3.0972	223,784	693,102	606,898	821,865		4,552,000
15	14,398	290,906	305,304	3.0972	224,696	695,930	604,070	836,808		4,552,000
16	13,926	290,038	303,964	3.0972	226,036	700,077	599,923	851,751		4,552,000
17	12,158	288,766	300,924	3.0972	229,076	709,493	590,507	866,694		4,552,000
18	11,836	285,878	297,714	3.0972	232,286	719,436	580,564	881,637		4,552,000
19	11,180	282,828	294,008	3.0972	235,992	730,913	569,087	896,580		4,552,000
20	9,963	279,308	289,271	3.0972	240,729	745,586	554,414	911,523		4,552,000
21	9,049	274,807	283,856	3.0972	246,144	762,356	537,644	926,466		4,552,000
22	11,114	269,664	280,778	3.0972	249,222	771,892	528,108	941,409		4,552,000
23	10,982	266,739	277,721	3.0972	252,279	781,360	518,640	956,352		4,552,000
24	10,319	263,835	274,154	3.0972	255,846	792,407	507,593	971,295		4,552,000
25	9,476	260,446	269,922	3.0972	260,078	805,514	494,486	986,238		4,552,000
26	10,211	256,426	266,637	3.0972	263,363	815,688	484,312	1,001,181		4,552,000
27	9,897	253,305	263,202	3.0972	266,798	826,327	473,673	1,016,124		4,552,000
28	8,869	250,042	258,911	3.0972	271,089	839,617	460,383	1,031,067		4,552,000
29	8,131	245,965	254,096	3.0972	275,904	854,529	445,471	1,046,010		4,552,000
30	8,657	241,392	250,049	3.0972	279,951	867,066	432,934	1,060,953		4,552,000
31	7,565	237,546	245,111	3.0972	284,889	882,358	417,642	1,075,896		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.