

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

JANUARY 2005

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: February 22, 2005

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			
			147,483							
1	11,879	140,109	151,988	0.3204	378,012	121,115	1,178,885			3,373,000
2	13,152	144,388	157,540	0.3560	372,460	132,596	1,167,404			3,385,000
3	10,499	149,663	160,162	0.3916	369,838	144,829	1,155,171			3,397,000
4	7,554	152,154	159,708	0.4272	370,292	158,189	1,141,811			3,410,000
5	5,680	151,723	157,403	0.4628	372,597	172,438	1,127,562			3,424,000
6	5,259	149,532	154,791	0.4984	375,209	187,004	1,112,996			3,439,000
7	7,711	147,052	154,763	0.5340	375,237	200,377	1,099,623			3,452,000
8	7,500	147,025	154,525	0.5696	375,475	213,871	1,086,129			3,466,000
9	8,737	146,799	155,536	0.6052	374,464	226,626	1,073,374			3,479,000
10	8,854	147,759	156,613	0.6408	373,387	239,267	1,060,733			3,491,000
11	9,313	148,782	158,095	0.6764	371,905	251,556	1,048,444			3,504,000
12	7,371	150,190	157,561	0.7120	372,439	265,176	1,034,824			3,517,000
13	7,297	149,683	156,980	0.7476	373,020	278,870	1,021,130			3,531,000
14	7,291	149,131	156,422	0.7832	373,578	292,586	1,007,414			3,545,000
15	6,825	148,601	155,426	0.8188	374,574	306,701	993,299			3,559,000
16	7,118	147,655	154,773	0.8544	375,227	320,594	979,406			3,573,000
17	6,429	147,034	153,463	0.8900	376,537	335,118	964,882			3,587,000
18	6,756	145,790	152,546	0.9256	377,454	349,371	950,629			3,601,000
19	7,322	144,919	152,241	0.9612	377,759	363,102	936,898			3,615,000
20	8,014	144,629	152,643	0.9968	377,357	376,150	923,850			3,628,000
21	7,765	145,011	152,776	1.0324	377,224	389,446	910,554			3,641,000
22	7,166	145,137	152,303	1.0680	377,697	403,381	896,619			3,655,000
23	6,773	144,688	151,461	1.1036	378,539	417,756	882,244			3,670,000
24	7,434	143,888	151,322	1.1392	378,678	431,390	868,610			3,683,000
25	8,313	143,756	152,069	1.1748	377,931	443,994	856,006			3,696,000
26	17,194	144,465	161,659	1.2104	368,341	445,840	854,160			3,698,000
27	15,322	153,576	168,898	1.2460	361,102	449,933	850,067			3,702,000
28	23,447	160,453	183,900	1.2816	346,100	443,561	856,439			3,696,000
29	18,768	174,705	193,473	1.3172	336,527	443,273	856,727			3,695,000
30	14,092	183,800	197,892	1.3528	332,108	449,276	850,724			3,701,000
31	11,671	187,997	199,668	1.3884	330,332	458,633	841,367			3,711,000

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.