

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

MARCH 2000

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: April 6, 2000

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			
			517,405							
1	32,203	491,535	523,738	2.4288	6,262	15,209	1,284,791			3,267,000
2	27,280	497,551	524,831	2.4640	5,169	12,736	1,287,264			3,265,000
3	21,471	498,590	520,061	2.4992	9,939	24,840	1,275,160			3,277,000
4	21,443	494,058	515,501	2.5344	14,499	36,747	1,263,253			3,289,000
5	23,896	489,726	513,622	2.5696	16,378	42,086	1,257,914			3,294,000
6	21,760	487,941	509,701	2.6048	20,299	52,876	1,247,124			3,305,000
7	22,396	484,216	506,612	2.6400	23,388	61,746	1,238,254			3,314,000
8	25,073	481,281	506,354	2.6752	23,646	63,258	1,236,742			3,315,000
9	27,168	481,036	508,204	2.7104	21,796	59,075	1,240,925			3,311,000
10	24,326	482,794	507,120	2.7456	22,880	62,819	1,237,181			3,315,000
11	25,133	481,764	506,897	2.7808	23,103	64,245	1,235,755			3,316,000
12	22,217	481,552	503,769	2.8160	26,231	73,866	1,226,134			3,326,000
13	19,849	478,581	498,430	2.8512	31,570	90,013	1,209,987			3,342,000
14	18,925	473,508	492,433	2.8864	37,567	108,433	1,191,567			3,360,000
15	16,768	467,812	484,580	2.9216	45,420	132,700	1,167,300			3,385,000
16	16,132	460,351	476,483	2.9568	53,517	158,240	1,141,760			3,410,000
17	16,194	452,658	468,852	2.9920	61,148	182,953	1,117,047			3,435,000
18	14,470	445,410	459,880	3.0272	70,120	212,268	1,087,732			3,464,000
19	13,775	436,886	450,661	3.0624	79,339	242,968	1,057,032			3,495,000
20	13,633	428,128	441,761	3.0976	88,239	273,330	1,026,670			3,525,000
21	12,866	419,673	432,539	3.0976	97,461	301,896	998,104	14,943	983,161	3,569,000
22	12,189	410,912	423,101	3.0976	106,899	331,131	968,869	29,886	938,983	3,613,000
23	11,783	401,946	413,729	3.0976	116,271	360,162	939,838	44,829	895,009	3,657,000
24	11,942	393,042	404,984	3.0976	125,016	387,249	912,751	59,772	852,979	3,699,000
25	11,875	384,735	396,610	3.0976	133,390	413,188	886,812	74,715	812,097	3,740,000
26	11,147	376,780	387,927	3.0976	142,073	440,087	859,913	89,658	770,255	3,782,000
27	10,467	368,530	378,997	3.0976	151,003	467,746	832,254	104,601	727,653	3,824,000
28	11,998	360,047	372,045	3.0976	157,955	489,280	810,720	119,544	691,176	3,861,000
29	10,296	353,443	363,739	3.0976	166,261	515,010	784,990	134,487	650,503	3,901,000
30	10,192	345,552	355,744	3.0976	174,256	539,775	760,225	149,430	610,795	3,941,000
31	11,297	337,957	349,254	3.0976	180,746	559,879	740,121	164,373	575,748	3,976,000

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.