

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

MARCH 2010

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: April 1, 2010

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			
			289,490							
1	11,420	275,016	286,436	2.4208	243,564	589,620	710,380			3,842,000
2	14,417	272,114	286,531	2.4564	243,469	598,057	701,943			3,850,000
3	21,135	272,204	293,339	2.4920	236,661	589,758	710,242			3,842,000
4	16,431	278,672	295,103	2.5276	234,897	593,725	706,275			3,846,000
5	14,080	280,348	294,428	2.5632	235,572	603,818	696,182			3,856,000
6	12,616	279,707	292,323	2.5988	237,677	617,675	682,325			3,870,000
7	11,671	277,707	289,378	2.6344	240,622	633,895	666,105			3,886,000
8	11,322	274,909	286,231	2.6700	243,769	650,864	649,136			3,903,000
9	10,510	271,919	282,429	2.7056	247,571	669,827	630,173			3,922,000
10	9,779	268,308	278,087	2.7412	251,913	690,544	609,456			3,943,000
11	8,991	264,182	273,173	2.7768	256,827	713,156	586,844			3,965,000
12	11,689	259,515	271,204	2.8124	258,796	727,838	572,162			3,980,000
13	9,581	257,644	267,225	2.8480	262,775	748,384	551,616			4,000,000
14	8,773	253,863	262,636	2.8836	267,364	770,970	529,030			4,023,000
15	8,676	249,505	258,181	2.9192	271,819	793,495	506,505			4,045,000
16	7,755	245,272	253,027	2.9548	276,973	818,401	481,599			4,070,000
17	11,383	240,375	251,758	2.9904	278,242	832,054	467,946			4,084,000
18	7,957	239,170	247,127	3.0260	282,873	855,973	444,027			4,108,000
19	8,253	234,771	243,024	3.0616	286,976	878,606	421,394			4,131,000
20	7,673	230,873	238,546	3.0972	291,454	902,692	397,308			4,155,000
21	7,899	226,618	234,517	3.0972	295,483	915,169	384,831	14,943	369,888	4,182,000
22	6,939	222,792	229,731	3.0972	300,269	929,995	370,005	29,886	340,119	4,212,000
23	7,886	218,244	226,130	3.0972	303,870	941,146	358,854	44,829	314,025	4,238,000
24	8,511	214,824	223,335	3.0972	306,665	949,804	350,196	59,772	290,424	4,262,000
25	7,964	212,168	220,132	3.0972	309,868	959,724	340,276	74,715	265,561	4,287,000
26	7,542	209,125	216,667	3.0972	313,333	970,454	329,546	89,658	239,888	4,312,000
27	7,116	205,834	212,950	3.0972	317,050	981,968	318,032	104,601	213,431	4,339,000
28	6,598	202,302	208,900	3.0972	321,100	994,510	305,490	119,544	185,946	4,367,000
29	9,965	198,455	208,420	3.0972	321,580	995,997	304,003	134,487	169,516	4,382,000
30	12,590	197,999	210,589	3.0972	319,411	989,279	310,721	149,430	161,291	4,390,000
31	12,076	200,060	212,136	3.0972	317,864	984,489	315,511	164,373	151,138	4,400,000

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.