

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

JANUARY 2011

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: February 1, 2011

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			
			261,406							
1	11,735	248,336	260,071	0.3204	269,929	86,485	1,213,515			3,338,000
2	11,069	247,067	258,136	0.3560	271,864	96,783	1,203,217			3,349,000
3	8,983	245,229	254,212	0.3916	275,788	107,998	1,192,002			3,360,000
4	7,035	241,502	248,537	0.4272	281,463	120,241	1,179,759			3,372,000
5	7,385	236,110	243,495	0.4628	286,505	132,595	1,167,405			3,385,000
6	6,788	231,320	238,108	0.4984	291,892	145,479	1,154,521			3,397,000
7	6,960	226,203	233,163	0.5340	296,837	158,511	1,141,489			3,411,000
8	6,758	221,505	228,263	0.5696	301,737	171,870	1,128,130			3,424,000
9	6,514	216,850	223,364	0.6052	306,636	185,576	1,114,424			3,438,000
10	5,756	212,195	217,951	0.6408	312,049	199,961	1,100,039			3,452,000
11	6,280	207,054	213,334	0.6764	316,666	214,193	1,085,807			3,466,000
12	5,500	202,667	208,167	0.7120	321,833	229,145	1,070,855			3,481,000
13	7,194	197,759	204,953	0.7476	325,047	243,005	1,056,995			3,495,000
14	7,528	194,705	202,233	0.7832	327,767	256,707	1,043,293			3,509,000
15	7,087	192,121	199,208	0.8188	330,792	270,852	1,029,148			3,523,000
16	8,505	189,248	197,753	0.8544	332,247	283,872	1,016,128			3,536,000
17	9,541	187,865	197,406	0.8900	332,594	296,008	1,003,992			3,548,000
18	8,449	187,536	195,985	0.9256	334,015	309,164	990,836			3,561,000
19	7,411	186,186	193,597	0.9612	336,403	323,351	976,649			3,575,000
20	7,169	183,917	191,086	0.9968	338,914	337,829	962,171			3,590,000
21	8,730	181,532	190,262	1.0324	339,738	350,746	949,254			3,603,000
22	8,408	180,749	189,157	1.0680	340,843	364,021	935,979			3,616,000
23	7,483	179,699	187,182	1.1036	342,818	378,334	921,666			3,630,000
24	8,847	177,823	186,670	1.1392	343,330	391,122	908,878			3,643,000
25	6,839	177,336	184,175	1.1748	345,825	406,275	893,725			3,658,000
26	6,718	174,966	181,684	1.2104	348,316	421,601	878,399			3,674,000
27	6,030	172,600	178,630	1.2460	351,370	437,807	862,193			3,690,000
28	7,140	169,699	176,839	1.2816	353,161	452,612	847,388			3,705,000
29	6,286	167,997	174,283	1.3172	355,717	468,551	831,449			3,721,000
30	6,665	165,569	172,234	1.3528	357,766	483,986	816,014			3,736,000
31	6,294	163,622	169,916	1.3884	360,084	499,941	800,059			3,752,000

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.