

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

MARCH 2011

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: April 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			
			184,381							
1	7,229	175,162	182,391	2.4208	347,609	841,492	458,508			4,093,000
2	18,020	173,271	191,291	2.4564	338,709	832,004	467,996			4,084,000
3	18,676	181,727	200,403	2.4920	329,597	821,357	478,643			4,073,000
4	15,690	190,383	206,073	2.5276	323,927	818,759	481,241			4,071,000
5	15,202	195,769	210,971	2.5632	319,029	817,735	482,265			4,070,000
6	15,704	200,422	216,126	2.5988	313,874	815,695	484,305			4,068,000
7	15,128	205,320	220,448	2.6344	309,552	815,484	484,516			4,067,000
8	15,543	209,426	224,969	2.6700	305,031	814,434	485,566			4,066,000
9	13,880	213,720	227,600	2.7056	302,400	818,173	481,827			4,070,000
10	15,643	216,220	231,863	2.7412	298,137	817,253	482,747			4,069,000
11	15,762	220,270	236,032	2.7768	293,968	816,290	483,710			4,068,000
12	14,886	224,230	239,116	2.8124	290,884	818,081	481,919			4,070,000
13	15,242	227,161	242,403	2.8480	287,597	819,077	480,923			4,071,000
14	18,966	230,282	249,248	2.8836	280,752	809,575	490,425			4,062,000
15	24,443	236,786	261,229	2.9192	268,771	784,596	515,404			4,037,000
16	36,106	248,168	284,274	2.9548	245,726	726,072	573,928			3,978,000
17	29,898	270,060	299,958	2.9904	230,042	687,918	612,082			3,940,000
18	33,905	284,960	318,865	3.0260	211,135	638,894	661,106			3,891,000
19	38,505	302,922	341,427	3.0616	188,573	577,336	722,664			3,829,000
20	42,667	324,355	367,022	3.0972	162,978	504,774	795,226			3,757,000
21	30,844	348,671	379,515	3.0972	150,485	466,081	833,919	14,943	818,976	3,733,000
22	24,553	360,540	385,093	3.0972	144,907	448,807	851,193	29,886	821,307	3,731,000
23	25,309	365,838	391,147	3.0972	138,853	430,056	869,944	44,829	825,115	3,727,000
24	35,773	371,590	407,363	3.0972	122,637	379,833	920,167	59,772	860,395	3,692,000
25	38,425	386,994	425,419	3.0972	104,581	323,907	976,093	74,715	901,378	3,651,000
26	44,902	404,148	449,050	3.0972	80,950	250,717	1,049,283	89,658	959,625	3,593,000
27	34,181	426,598	460,779	3.0972	69,221	214,391	1,085,609	104,601	981,008	3,571,000
28	25,296	437,740	463,036	3.0972	66,964	207,401	1,092,599	119,544	973,055	3,579,000
29	23,166	439,884	463,050	3.0972	66,950	207,357	1,092,643	134,487	958,156	3,593,000
30	20,129	439,898	460,027	3.0972	69,973	216,721	1,083,279	149,430	933,849	3,618,000
31	20,333	437,025	457,358	3.0972	72,642	224,986	1,075,014	164,373	910,641	3,641,000

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.