

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

JANUARY 2010

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: February 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			
			94,450							
1	13,457	89,727	103,184	0.3204	420,000	134,568	1,165,432			3,387,000
2	11,495	98,025	109,520	0.3560	420,000	149,520	1,150,480			3,402,000
3	8,202	104,044	112,246	0.3916	417,754	163,593	1,136,407			3,416,000
4	6,315	106,634	112,949	0.4272	417,051	178,164	1,121,836			3,430,000
5	6,596	107,301	113,897	0.4628	416,103	192,572	1,107,428			3,445,000
6	5,742	108,202	113,944	0.4984	416,056	207,362	1,092,638			3,459,000
7	5,569	108,247	113,816	0.5340	416,184	222,242	1,077,758			3,474,000
8	5,965	108,125	114,090	0.5696	415,910	236,902	1,063,098			3,489,000
9	5,098	108,386	113,484	0.6052	416,516	252,076	1,047,924			3,504,000
10	5,042	107,810	112,852	0.6408	417,148	267,309	1,032,691			3,519,000
11	4,740	107,209	111,949	0.6764	418,051	282,770	1,017,230			3,535,000
12	11,997	106,352	118,349	0.7120	411,651	293,096	1,006,904			3,545,000
13	20,027	112,431	132,458	0.7476	397,542	297,202	1,002,798			3,549,000
14	12,231	125,835	138,066	0.7832	391,934	306,963	993,037			3,559,000
15	10,526	131,163	141,689	0.8188	388,311	317,949	982,051			3,570,000
16	11,572	134,604	146,176	0.8544	383,824	327,939	972,061			3,580,000
17	12,555	138,868	151,423	0.8900	378,577	336,934	963,066			3,589,000
18	29,896	143,852	173,748	0.9256	356,252	329,747	970,253			3,582,000
19	45,165	165,060	210,225	0.9612	319,775	307,368	992,632			3,559,000
20	41,195	199,714	240,909	0.9968	289,091	288,166	1,011,834			3,540,000
21	37,220	228,863	266,083	1.0324	263,917	272,467	1,027,533			3,524,000
22	23,603	252,779	276,382	1.0680	253,618	270,864	1,029,136			3,523,000
23	19,912	262,563	282,475	1.1036	247,525	273,168	1,026,832			3,525,000
24	19,937	268,351	288,288	1.1392	241,712	275,358	1,024,642			3,527,000
25	21,164	273,874	295,038	1.1748	234,962	276,033	1,023,967			3,528,000
26	18,201	280,286	298,487	1.2104	231,513	280,223	1,019,777			3,532,000
27	14,495	283,563	298,058	1.2460	231,942	289,000	1,011,000			3,541,000
28	11,521	283,155	294,676	1.2816	235,324	301,591	998,409			3,554,000
29	10,841	279,942	290,783	1.3172	239,217	315,097	984,903			3,567,000
30	10,961	276,244	287,205	1.3528	242,795	328,453	971,547			3,580,000
31	12,264	272,845	285,109	1.3884	244,891	340,007	959,993			3,592,000

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.