

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

DECEMBER 2010

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: January 3, 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			
			89,033							
1	3,150	84,581	87,731							3,252,000
2	4,569	83,345	87,914							3,252,000
3	4,381	83,518	87,899							3,252,000
4	4,665	83,504	88,169							3,252,000
5	7,704	83,760	91,464							3,252,000
6	14,412	86,891	101,303							3,252,000
7	12,731	96,238	108,969							3,252,000
8	13,202	103,521	116,723							3,252,000
9	14,151	110,886	125,037							3,252,000
10	16,182	118,786	134,968							3,252,000
11	12,191	128,219	140,410							3,252,000
12	11,273	133,390	144,663							3,252,000
13	9,504	137,430	146,934							3,252,000
14	11,801	139,587	151,388							3,252,000
15	11,157	143,819	154,976							3,252,000
16	8,551	147,227	155,778							3,252,000
17	10,348	147,989	158,337							3,252,000
18	10,960	150,420	161,380							3,252,000
19	14,811	153,311	168,122							3,252,000
20	17,071	159,716	176,787							3,252,000
21	20,735	167,948	188,683							3,252,000
22	24,605	179,248	203,853							3,252,000
23	16,588	193,661	210,249							3,252,000
24	13,434	199,736	213,170	0.0356	316,830	11,279	1,288,721			3,263,000
25	15,634	202,512	218,146	0.0712	311,854	22,204	1,277,796			3,274,000
26	19,508	207,239	226,747	0.1068	303,253	32,387	1,267,613			3,284,000
27	17,748	215,409	233,157	0.1424	296,843	42,270	1,257,730			3,294,000
28	20,755	221,499	242,254	0.1780	287,746	51,219	1,248,781			3,303,000
29	25,159	230,142	255,301	0.2136	274,699	58,676	1,241,324			3,311,000
30	17,921	242,536	260,457	0.2492	269,543	67,170	1,232,830			3,319,000
31	13,789	247,434	261,223	0.2848	268,777	76,548	1,223,452			3,329,000

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.