

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

JANUARY 2009

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: January 18, 2009

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		
			80,234							
1	4,360	76,223	80,583	0.3204	420,000	134,568	1,165,432			3,387,000
2	4,453	76,553	81,006	0.3560	420,000	149,520	1,150,480			3,402,000
3	4,336	76,956	81,292	0.3916	420,000	164,472	1,135,528			3,416,000
4	5,785	77,228	83,013	0.4272	420,000	179,424	1,120,576			3,431,000
5	4,241	78,862	83,103	0.4628	420,000	194,376	1,105,624			3,446,000
6	2,731	78,948	81,679	0.4984	420,000	209,328	1,090,672			3,461,000
7	3,343	77,595	80,938	0.5340	420,000	224,280	1,075,720			3,476,000
8	3,323	76,891	80,214	0.5696	420,000	239,232	1,060,768			3,491,000
9	3,644	76,203	79,847	0.6052	420,000	254,184	1,045,816			3,506,000
10	3,371	75,855	79,226	0.6408	420,000	269,136	1,030,864			3,521,000
11	3,497	75,265	78,762	0.6764	420,000	284,088	1,015,912			3,536,000
12	3,745	74,824	78,569	0.7120	420,000	299,040	1,000,960			3,551,000
13	4,079	74,640	78,719	0.7476	420,000	313,992	986,008			3,566,000
14	3,953	74,783	78,736	0.7832	420,000	328,944	971,056			3,581,000
15	4,083	74,799	78,882	0.8188	420,000	343,896	956,104			3,596,000
16	3,568	74,938	78,506	0.8544	420,000	358,848	941,152			3,611,000
17	3,538	74,581	78,119	0.8900	420,000	373,800	926,200			3,626,000

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.