

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

JUNE 2009

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: July 1, 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			
			161,293							
1	4,356	153,229	157,585	3.0972	372,415	1,153,445	146,555	1,090,839		4,552,000
2	5,045	149,705	154,750	3.0972	375,250	1,162,223	137,777	1,105,782		4,552,000
3	4,441	147,013	151,454	3.0972	378,546	1,172,433	127,567	1,120,725		4,552,000
4	5,741	143,881	149,622	3.0972	380,378	1,178,106	121,894	1,135,668		4,552,000
5	5,464	142,141	147,605	3.0972	382,395	1,184,354	115,646	1,150,611		4,552,000
6	4,384	140,225	144,609	3.0972	385,391	1,193,634	106,366	1,165,554		4,552,000
7	5,614	137,378	142,992	3.0972	387,008	1,198,640	101,360	1,180,497		4,552,000
8	4,857	135,843	140,700	3.0972	389,300	1,205,741	94,259	1,195,440		4,552,000
9	5,082	133,665	138,747	3.0972	391,253	1,211,790	88,210	1,210,383		4,552,000
10	5,528	131,809	137,337	3.0972	392,663	1,216,155	83,845	1,225,326		4,552,000
11	5,276	130,471	135,747	3.0972	394,253	1,221,082	78,918	1,240,269		4,552,000
12	5,243	128,959	134,202	3.0972	395,798	1,225,865	74,135	1,255,212		4,552,000
13	5,280	127,492	132,772	3.0972	397,228	1,230,294	69,706	1,270,155		4,552,000
14	5,020	126,133	131,153	3.0972	398,847	1,235,307	64,693	1,285,098		4,552,000
15	4,756	124,596	129,352	3.0972	400,648	1,240,888	59,112	1,300,041		4,552,000

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.