

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

DECEMBER 2009

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: January 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			
			77,016							
1	3,958	73,165	77,123							3,252,000
2	3,835	73,267	77,102							3,252,000
3	3,379	73,247	76,626							3,252,000
4	3,384	72,795	76,179							3,252,000
5	3,918	72,370	76,288							3,252,000
6	4,017	72,473	76,490							3,252,000
7	3,949	72,666	76,615							3,252,000
8	2,889	72,784	75,673							3,252,000
9	2,952	71,889	74,841							3,252,000
10	3,510	71,099	74,609							3,252,000
11	3,458	70,879	74,337							3,252,000
12	3,502	70,620	74,122							3,252,000
13	3,486	70,416	73,902							3,252,000
14	3,757	70,207	73,964							3,252,000
15	6,467	70,266	76,733							3,252,000
16	8,513	72,896	81,409							3,252,000
17	7,106	77,339	84,445							3,252,000
18	6,060	80,222	86,282							3,252,000
19	4,977	81,968	86,945							3,252,000
20	5,022	82,598	87,620							3,252,000
21	6,897	83,239	90,136							3,252,000
22	6,832	85,629	92,461							3,252,000
23	6,041	87,838	93,879							3,252,000
24	5,079	89,185	94,264	0.0356	420,000	14,952	1,285,048			3,267,000
25	4,319	89,551	93,870	0.0712	420,000	29,904	1,270,096			3,282,000
26	4,503	89,176	93,679	0.1068	420,000	44,856	1,255,144			3,297,000
27	4,944	88,996	93,940	0.1424	420,000	59,808	1,240,192			3,312,000
28	4,435	89,243	93,678	0.1780	420,000	74,760	1,225,240			3,327,000
29	4,816	88,994	93,810	0.2136	420,000	89,712	1,210,288			3,342,000
30	4,734	89,119	93,853	0.2492	420,000	104,664	1,195,336			3,357,000
31	5,272	89,161	94,433	0.2848	420,000	119,616	1,180,384			3,372,000

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.