

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

FEBRUARY 2014

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: April 25, 2014

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			
			57,057							
1	2,622	54,205	56,827	1.4240	420,000	598,080	701,920			3,850,000
2	2,457	53,985	56,442	1.4596	420,000	613,032	686,968			3,865,000
3	2,999	53,620	56,619	1.4952	420,000	627,984	672,016			3,880,000
4	2,985	53,788	56,773	1.5308	420,000	642,936	657,064			3,895,000
5	4,559	53,935	58,494	1.5664	420,000	657,888	642,112			3,910,000
6	5,318	55,569	60,887	1.6020	420,000	672,840	627,160			3,925,000
7	3,097	57,843	60,940	1.6376	420,000	687,792	612,208			3,940,000
8	6,419	57,893	64,312	1.6732	420,000	702,744	597,256			3,955,000
9	5,976	61,096	67,072	1.7088	420,000	717,696	582,304			3,970,000
10	5,878	63,718	69,596	1.7444	420,000	732,648	567,352			3,985,000
11	4,589	66,117	70,706	1.7800	420,000	747,600	552,400			4,000,000
12	4,770	67,170	71,940	1.8156	420,000	762,552	537,448			4,015,000
13	5,564	68,343	73,907	1.8512	420,000	777,504	522,496			4,030,000
14	6,208	70,212	76,420	1.8868	420,000	792,456	507,544			4,044,000
15	7,543	72,599	80,142	1.9224	420,000	807,408	492,592			4,059,000
16	7,441	76,135	83,576	1.9580	420,000	822,360	477,640			4,074,000
17	5,678	79,397	85,075	1.9936	420,000	837,312	462,688			4,089,000
18	5,179	80,821	86,000	2.0292	420,000	852,264	447,736			4,104,000
19	4,974	81,700	86,674	2.0648	420,000	867,216	432,784			4,119,000
20	3,464	82,341	85,805	2.1004	420,000	882,168	417,832			4,134,000
21	4,102	81,514	85,616	2.1360	420,000	897,120	402,880			4,149,000
22	4,476	81,335	85,811	2.1716	420,000	912,072	387,928			4,164,000
23	4,285	81,521	85,806	2.2072	420,000	927,024	372,976			4,179,000
24	3,392	81,516	84,908	2.2428	420,000	941,976	358,024			4,194,000
25	3,051	80,662	83,713	2.2784	420,000	956,928	343,072			4,209,000
26	4,802	79,528	84,330	2.3140	420,000	971,880	328,120			4,224,000
27	12,007	80,113	92,120	2.3496	420,000	986,832	313,168			4,239,000
28	11,328	87,514	98,842	2.3852	420,000	1,001,784	298,216			4,254,000

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.