

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

JANUARY 2012

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: August 23, 2012

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			
			72,605							
1	2,317	68,974	71,291	0.3168	420,000	133,056	1,166,944			3,385,000
2	3,053	67,727	70,780	0.3520	420,000	147,840	1,152,160			3,400,000
3	1,585	67,241	68,826	0.3872	420,000	162,624	1,137,376			3,415,000
4	3,479	65,385	68,864	0.4224	420,000	177,408	1,122,592			3,429,000
5	3,367	65,420	68,787	0.4576	420,000	192,192	1,107,808			3,444,000
6	3,422	65,348	68,770	0.4928	420,000	206,976	1,093,024			3,459,000
7	3,310	65,332	68,642	0.5280	420,000	221,760	1,078,240			3,474,000
8	4,012	65,209	69,221	0.5632	420,000	236,544	1,063,456			3,489,000
9	2,999	65,760	68,759	0.5984	420,000	251,328	1,048,672			3,503,000
10	3,656	65,321	68,977	0.6336	420,000	266,112	1,033,888			3,518,000
11	3,152	65,529	68,681	0.6688	420,000	280,896	1,019,104			3,533,000
12	3,546	65,247	68,793	0.7040	420,000	295,680	1,004,320			3,548,000
13	3,822	65,353	69,175	0.7392	420,000	310,464	989,536			3,562,000
14	3,804	65,716	69,520	0.7744	420,000	325,248	974,752			3,577,000
15	3,581	66,044	69,625	0.8096	420,000	340,032	959,968			3,592,000
16	3,455	66,144	69,599	0.8448	420,000	354,816	945,184			3,607,000
17	3,376	66,119	69,495	0.8800	420,000	369,600	930,400			3,622,000
18	4,400	66,020	70,420	0.9152	420,000	384,384	915,616			3,636,000
19	6,468	66,899	73,367	0.9504	420,000	399,168	900,832			3,651,000
20	9,140	69,699	78,839	0.9856	420,000	413,952	886,048			3,666,000
21	7,412	74,897	82,309	1.0208	420,000	428,736	871,264			3,681,000
22	8,302	78,193	86,495	1.0560	420,000	443,520	856,480			3,696,000
23	8,730	82,171	90,901	1.0912	420,000	458,304	841,696			3,710,000
24	6,772	86,356	93,128	1.1264	420,000	473,088	826,912			3,725,000
25	4,948	88,471	93,419	1.1616	420,000	487,872	812,128			3,740,000
26	6,083	88,748	94,831	1.1968	420,000	502,656	797,344			3,755,000
27	5,491	90,090	95,581	1.2320	420,000	517,440	782,560			3,769,000
28	3,739	90,802	94,541	1.2672	420,000	532,224	767,776			3,784,000
29	4,489	89,814	94,303	1.3024	420,000	547,008	752,992			3,799,000
30	4,195	89,588	93,783	1.3376	420,000	561,792	738,208			3,814,000
31	4,528	89,093	93,621	1.3728	420,000	576,576	723,424			3,829,000

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.