

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

MARCH 2018

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: April 19, 2018

DAY	SHASTA INFLOW C. F. S.	PREV DAY F. C. PAR (COL 3)	F. C. PARAM (COLS. 1 + 2)	.0356* X DAYS 12/23 THRU 3/20	530,000 MINUS F. C. PARAM	COLS	F. C. RESERV (1,300,000 - COL 6)	MINUS 14,943 PER DAY AFTER	ADJUSTED F. C. RESERV (7-8)	PERM STORAGE
1	2	3	4	5	6	7	8			
			94,259							
1	8,937	89,546	98,483	2.4208	420,000	1,016,736	283,264			4,269,000
2	6,141	93,559	99,700	2.4564	420,000	1,031,688	268,312			4,284,000
3	4,859	94,715	99,574	2.4920	420,000	1,046,640	253,360			4,299,000
4	5,271	94,595	99,866	2.5276	420,000	1,061,592	238,408			4,314,000
5	4,869	94,873	99,742	2.5632	420,000	1,076,544	223,456			4,329,000
6	4,684	94,755	99,439	2.5988	420,000	1,091,496	208,504			4,343,000
7	4,822	94,467	99,289	2.6344	420,000	1,106,448	193,552			4,358,000
8	5,297	94,324	99,621	2.6700	420,000	1,121,400	178,600			4,373,000
9	5,049	94,640	99,689	2.7056	420,000	1,136,352	163,648			4,388,000
10	5,786	94,705	100,491	2.7412	420,000	1,151,304	148,696			4,403,000
11	6,122	95,466	101,588	2.7768	420,000	1,166,256	133,744			4,418,000
12	6,469	96,509	102,978	2.8124	420,000	1,181,208	118,792			4,433,000
13	10,763	97,829	108,592	2.8480	420,000	1,196,160	103,840			4,448,000
14	14,286	103,162	117,448	2.8836	412,552	1,189,634	110,366			4,442,000
15	15,320	111,576	126,896	2.9192	403,104	1,176,742	123,258			4,429,000
16	12,390	120,551	132,941	2.9548	397,059	1,173,230	126,770			4,425,000
17	10,789	126,294	137,083	2.9904	392,917	1,174,979	125,021			4,427,000
18	10,309	130,229	140,538	3.0260	389,462	1,178,513	121,487			4,431,000
19	7,958	133,511	141,469	3.0616	388,531	1,189,527	110,473			4,442,000
20	10,056	134,395	144,451	3.0972	385,549	1,194,121	105,879			4,446,000
21	12,900	137,229	150,129	3.0972	379,871	1,176,537	123,463	14,943	108,520	4,444,000
22	28,823	142,622	171,445	3.0972	358,555	1,110,515	189,485	29,886	159,599	4,393,000
23	21,588	162,873	184,461	3.0972	345,539	1,070,203	229,797	44,829	184,968	4,367,000
24	17,579	175,238	192,817	3.0972	337,183	1,044,323	255,677	59,772	195,905	4,356,000
25	15,104	183,176	198,280	3.0972	331,720	1,027,402	272,598	74,715	197,883	4,354,000
26	12,463	188,366	200,829	3.0972	329,171	1,019,508	280,492	89,658	190,834	4,362,000
27	11,641	190,788	202,429	3.0972	327,571	1,014,554	285,446	104,601	180,845	4,372,000
28	10,435	192,307	202,742	3.0972	327,258	1,013,582	286,418	119,544	166,874	4,386,000
29	10,320	192,605	202,925	3.0972	327,075	1,013,016	286,984	134,487	152,497	4,399,000
30	9,242	192,779	202,021	3.0972	327,979	1,015,817	284,183	149,430	134,753	4,417,000
31	9,776	191,920	201,696	3.0972	328,304	1,016,823	283,177	164,373	118,804	4,433,000

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