

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

MARCH 2021

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: April 2, 2021

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			
			99,971							
1	5,025	94,973	99,998	2.4208	420,000	1,016,736	283,264			4,269,000
2	3,749	94,998	98,747	2.4564	420,000	1,031,688	268,312			4,284,000
3	2,979	93,809	96,788	2.4920	420,000	1,046,640	253,360			4,299,000
4	5,613	91,949	97,562	2.5276	420,000	1,061,592	238,408			4,314,000
5	3,426	92,684	96,110	2.5632	420,000	1,076,544	223,456			4,329,000
6	5,175	91,304	96,479	2.5988	420,000	1,091,496	208,504			4,343,000
7	2,258	91,655	93,913	2.6344	420,000	1,106,448	193,552			4,358,000
8	3,521	89,218	92,739	2.6700	420,000	1,121,400	178,600			4,373,000
9	6,152	88,102	94,254	2.7056	420,000	1,136,352	163,648			4,388,000
10	5,391	89,541	94,932	2.7412	420,000	1,151,304	148,696			4,403,000
11	4,200	90,185	94,385	2.7768	420,000	1,166,256	133,744			4,418,000
12	4,670	89,666	94,336	2.8124	420,000	1,181,208	118,792			4,433,000
13	4,982	89,619	94,601	2.8480	420,000	1,196,160	103,840			4,448,000
14	5,613	89,871	95,484	2.8836	420,000	1,211,112	88,888			4,463,000
15	5,400	90,710	96,110	2.9192	420,000	1,226,064	73,936			4,478,000
16	4,823	91,305	96,128	2.9548	420,000	1,241,016	58,984			4,493,000
17	4,387	91,321	95,708	2.9904	420,000	1,255,968	44,032			4,508,000
18	6,546	90,923	97,469	3.0260	420,000	1,270,920	29,080			4,523,000
19	8,682	92,595	101,277	3.0616	420,000	1,285,872	14,128			4,538,000
20	7,046	96,213	103,259	3.0972	420,000	1,300,000	0			4,552,000
21	7,282	98,097	105,379	3.0972	420,000	1,300,000	0	14,943		4,552,000
22	6,669	100,110	106,779	3.0972	420,000	1,300,000	0	29,886		4,552,000
23	5,765	101,440	107,205	3.0972	420,000	1,300,000	0	44,829		4,552,000
24	4,826	101,844	106,670	3.0972	420,000	1,300,000	0	59,772		4,552,000
25	4,817	101,337	106,154	3.0972	420,000	1,300,000	0	74,715		4,552,000
26	4,604	100,846	105,450	3.0972	420,000	1,300,000	0	89,658		4,552,000
27	4,514	100,178	104,692	3.0972	420,000	1,300,000	0	104,601		4,552,000
28	4,288	99,457	103,745	3.0972	420,000	1,300,000	0	119,544		4,552,000
29	5,405	98,558	103,963	3.0972	420,000	1,300,000	0	134,487		4,552,000
30	2,998	98,765	101,763	3.0972	420,000	1,300,000	0	149,430		4,552,000
31	4,705	96,675	101,380	3.0972	420,000	1,300,000	0	164,373		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