

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

MARCH 2022

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: April 5, 2022

DAY	SHASTA INFLOW C. F. S. 1	PREV DAY F. C. PAR (COL 3) X .95 2	F. C. PARAM (COLS. 1 + 2) 3	.0356* X DAYS 12/23 THRU 3/20 4	530,000 MINUS F. C. PARAM (COL 3) 5	COLS 4 X 5 6	F. C. RESERV (1,300,000 - COL 6) 7	MINUS 14,943 PER DAY AFTER 3/20 8	ADJUSTED F. C. RESERV (7-8)	PERM STORAGE
			92,077							
1	3,775	87,473	91,248	2.4208	420,000	1,016,736	283,264			4,269,000
2	3,382	86,686	90,068	2.4564	420,000	1,031,688	268,312			4,284,000
3	3,898	85,564	89,462	2.4920	420,000	1,046,640	253,360			4,299,000
4	3,883	84,989	88,872	2.5276	420,000	1,061,592	238,408			4,314,000
5	3,983	84,429	88,412	2.5632	420,000	1,076,544	223,456			4,329,000
6	3,670	83,991	87,661	2.5988	420,000	1,091,496	208,504			4,343,000
7	3,772	83,278	87,050	2.6344	420,000	1,106,448	193,552			4,358,000
8	3,844	82,698	86,542	2.6700	420,000	1,121,400	178,600			4,373,000
9	3,856	82,214	86,070	2.7056	420,000	1,136,352	163,648			4,388,000
10	2,979	81,767	84,746	2.7412	420,000	1,151,304	148,696			4,403,000
11	3,869	80,509	84,378	2.7768	420,000	1,166,256	133,744			4,418,000
12	3,777	80,159	83,936	2.8124	420,000	1,181,208	118,792			4,433,000
13	3,470	79,739	83,209	2.8480	420,000	1,196,160	103,840			4,448,000
14	3,476	79,049	82,525	2.8836	420,000	1,211,112	88,888			4,463,000
15	3,908	78,398	82,306	2.9192	420,000	1,226,064	73,936			4,478,000
16	3,646	78,191	81,837	2.9548	420,000	1,241,016	58,984			4,493,000
17	3,670	77,745	81,415	2.9904	420,000	1,255,968	44,032			4,508,000
18	3,860	77,344	81,204	3.0260	420,000	1,270,920	29,080			4,523,000
19	3,338	77,144	80,482	3.0616	420,000	1,285,872	14,128			4,538,000
20	3,236	76,458	79,694	3.0972	420,000	1,300,000	0			4,552,000
21	3,603	75,709	79,312	3.0972	420,000	1,300,000	0	14,943		4,552,000
22	3,924	75,347	79,271	3.0972	420,000	1,300,000	0	29,886		4,552,000
23	4,132	75,307	79,439	3.0972	420,000	1,300,000	0	44,829		4,552,000
24	3,793	75,467	79,260	3.0972	420,000	1,300,000	0	59,772		4,552,000
25	4,097	75,297	79,394	3.0972	420,000	1,300,000	0	74,715		4,552,000
26	3,815	75,425	79,240	3.0972	420,000	1,300,000	0	89,658		4,552,000
27	3,666	75,278	78,944	3.0972	420,000	1,300,000	0	104,601		4,552,000
28	4,402	74,996	79,398	3.0972	420,000	1,300,000	0	119,544		4,552,000
29	3,893	75,428	79,321	3.0972	420,000	1,300,000	0	134,487		4,552,000
30	4,160	75,355	79,515	3.0972	420,000	1,300,000	0	149,430		4,552,000
31	4,115	75,540	79,655	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