

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

DECEMBER 2019

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: March 6, 2020

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
			77,417							
1	5,257	73,546	78,803							3,252,000
2	3,308	74,863	78,171							3,252,000
3	3,865	74,262	78,127							3,252,000
4	2,970	74,221	77,191							3,252,000
5	4,509	73,331	77,840							3,252,000
6	5,814	73,948	79,762							3,252,000
7	20,322	75,774	96,096							3,252,000
8	13,724	91,291	105,015							3,252,000
9	7,000	99,765	106,765							3,252,000
10	6,400	101,426	107,826							3,252,000
11	5,597	102,435	108,032							3,252,000
12	6,931	102,630	109,561							3,252,000
13	9,675	104,083	113,758							3,252,000
14	7,757	108,070	115,827							3,252,000
15	6,353	110,036	116,389							3,252,000
16	6,053	110,570	116,623							3,252,000
17	5,247	110,791	116,038							3,252,000
18	6,950	110,237	117,187							3,252,000
19	6,299	111,327	117,626							3,252,000
20	5,353	111,745	117,098							3,252,000
21	5,881	111,243	117,124							3,252,000
22	8,672	111,268	119,940							3,252,000
23	7,917	113,943	121,860							3,252,000
24	6,696	115,767	122,463	0.0352	407,537	14,345	1,285,655			3,266,000
25	7,029	116,340	123,369	0.0704	406,631	28,627	1,271,373			3,281,000
26	5,852	117,200	123,052	0.1056	406,948	42,974	1,257,026			3,295,000
27	6,418	116,900	123,318	0.1408	406,682	57,261	1,242,739			3,309,000
28	5,167	117,152	122,319	0.1760	407,681	71,752	1,228,248			3,324,000
29	5,507	116,203	121,710	0.2112	408,290	86,231	1,213,769			3,338,000
30	4,661	115,624	120,285	0.2464	409,715	100,954	1,199,046			3,353,000
31	5,102	114,271	119,373	0.2816	410,627	115,633	1,184,367			3,368,000

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