

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

FEBRUARY 2017

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: March 20, 2017

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			
			400,533							
1	11,233	380,506	391,739	1.4240	138,261	196,884	1,103,116			3,449,000
2	12,969	372,152	385,121	1.4596	144,879	211,465	1,088,535			3,463,000
3	37,503	365,865	403,368	1.4952	126,632	189,340	1,110,660			3,441,000
4	53,691	383,200	436,891	1.5308	93,109	142,532	1,157,468			3,395,000
5	45,314	415,046	460,360	1.5664	69,640	109,084	1,190,916			3,361,000
6	70,981	437,342	508,323	1.6020	21,677	34,726	1,265,274			3,287,000
7	88,838	482,907	571,745	1.6376			1,300,000			3,252,000
8	73,012	543,158	616,170	1.6732			1,300,000			3,252,000
9	130,068	585,361	715,429	1.7088			1,300,000			3,252,000
10	109,234	679,658	788,892	1.7444			1,300,000			3,252,000
11	65,101	749,447	814,548	1.7800			1,300,000			3,252,000
12	52,694	773,821	826,515	1.8156			1,300,000			3,252,000
13	42,415	785,189	827,604	1.8512			1,300,000			3,252,000
14	35,435	786,224	821,659	1.8868			1,300,000			3,252,000
15	29,584	780,576	810,160	1.9224			1,300,000			3,252,000
16	33,935	769,652	803,587	1.9580			1,300,000			3,252,000
17	33,100	763,408	796,508	1.9936			1,300,000			3,252,000
18	35,206	756,682	791,888	2.0292			1,300,000			3,252,000
19	37,045	752,294	789,339	2.0648			1,300,000			3,252,000
20	65,773	749,872	815,645	2.1004			1,300,000			3,252,000
21	72,488	774,863	847,351	2.1360			1,300,000			3,252,000
22	49,807	804,983	854,790	2.1716			1,300,000			3,252,000
23	41,282	812,051	853,333	2.2072			1,300,000			3,252,000
24	36,879	810,666	847,545	2.2428			1,300,000			3,252,000
25	33,002	805,168	838,170	2.2784			1,300,000			3,252,000
26	27,977	796,261	824,238	2.3140			1,300,000			3,252,000
27	23,883	783,026	806,909	2.3496			1,300,000			3,252,000
28	21,324	766,564	787,888	2.3852			1,300,000			3,252,000

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.