

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

APRIL 2017

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: May 10, 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			
			511,403							
1	16,749	485,833	502,582	3.0972	27,418	84,920	1,215,080	179,316	1,035,764	3,516,000
2	15,332	477,453	492,785	3.0972	37,215	115,263	1,184,737	194,259	990,478	3,561,000
3	15,655	468,145	483,800	3.0972	46,200	143,089	1,156,911	209,202	947,709	3,604,000
4	15,423	459,610	475,033	3.0972	54,967	170,242	1,129,758	224,145	905,613	3,646,000
5	15,347	451,282	466,629	3.0972	63,371	196,273	1,103,727	239,088	864,639	3,687,000
6	20,847	443,297	464,144	3.0972	65,856	203,968	1,096,032	254,031	842,001	3,710,000
7	34,116	440,937	475,053	3.0972	54,947	170,182	1,129,818	268,974	860,844	3,691,000
8	30,341	451,300	481,641	3.0972	48,359	149,776	1,150,224	283,917	866,307	3,686,000
9	23,765	457,559	481,324	3.0972	48,676	150,758	1,149,242	298,860	850,382	3,702,000
10	21,499	457,258	478,757	3.0972	51,243	158,709	1,141,291	313,803	827,488	3,725,000
11	23,598	454,819	478,417	3.0972	51,583	159,762	1,140,238	328,746	811,492	3,741,000
12	27,688	454,496	482,184	3.0972	47,816	148,094	1,151,906	343,689	808,217	3,744,000
13	32,464	458,075	490,539	3.0972	39,461	122,218	1,177,782	358,632	819,150	3,733,000
14	29,318	466,012	495,330	3.0972	34,670	107,379	1,192,621	373,575	819,046	3,733,000
15	22,450	470,564	493,014	3.0972	36,986	114,554	1,185,446	388,518	796,928	3,756,000
16	22,337	468,363	490,700	3.0972	39,300	121,720	1,178,280	403,461	774,819	3,777,000
17	22,699	466,165	488,864	3.0972	41,136	127,406	1,172,594	418,404	754,190	3,797,000
18	24,966	464,421	489,387	3.0972	40,613	125,787	1,174,213	433,347	740,866	3,811,000
19	25,469	464,918	490,387	3.0972	39,613	122,691	1,177,309	448,290	729,019	3,823,000
20	22,612	465,867	488,479	3.0972	41,521	128,598	1,171,402	463,233	708,169	3,844,000
21	20,490	464,055	484,545	3.0972	45,455	140,783	1,159,217	478,176	681,041	3,871,000
22	19,606	460,318	479,924	3.0972	50,076	155,096	1,144,904	493,119	651,785	3,900,000
23	19,046	455,928	474,974	3.0972	55,026	170,427	1,129,573	508,062	621,511	3,930,000
24	21,999	451,225	473,224	3.0972	56,776	175,846	1,124,154	523,005	601,149	3,951,000
25	16,416	449,563	465,979	3.0972	64,021	198,286	1,101,714	537,948	563,766	3,988,000
26	15,982	442,680	458,662	3.0972	71,338	220,948	1,079,052	552,891	526,161	4,026,000
27	15,557	435,729	451,286	3.0972	78,714	243,794	1,056,206	567,834	488,372	4,064,000
28	14,267	428,722	442,989	3.0972	87,011	269,492	1,030,508	582,777	447,731	4,104,000
29	14,512	420,839	435,351	3.0972	94,649	293,147	1,006,853	597,720	409,133	4,143,000
30	13,131	413,584	426,715	3.0972	103,285	319,896	980,104	612,663	367,441	4,185,000

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.