

Northern CVP Water Temperature Report

November - 2017

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All Data in this Report is Preliminary and Subject to Change

DATE	Mean Daily Water Temperatures (°F)													Mean Daily Release (CFS)			Mean Daily Air Temperatures (°F)			
	TCD ¹	SHD	SPP ¹	KWK	SAC	CCR	BSF ²	JLF	BND	RDB	IGO	LWS	NFH ³	Shasta Generation	Spring Creek P.P.	Keswick Total	RDD	BSF	RDB	LWS
Oct	51.8	50.8	55.0	52.0	52.2	52.5	53.3	53.6	53.8	54.4	54.0	48.8	52.0	6711	608	7482	65.5	59.7	62.7	51.9
11/01	52.5	51.6	55.4	52.2	52.4	52.5	53.2	53.5	53.6	54.2	53.8	48.0	49.9	6932	16	7435	56.0	53.0	55.7	47.4
11/02	52.9	52.0	55.1	52.3	52.3	52.5	52.9 ?	53.2 ?	53.4 !	-	54.0	48.8	49.7	7308	19	7404	57.5	55.0	54.9	48.3
11/03	52.9	52.0	55.2	52.3	52.3	52.5	52.9	53.2	53.3 ?	53.7	54.2	49.0	50.6	7393	16	7400	56.0	58.9	57.5	49.3
11/04	53.3	52.3	55.2	52.5	52.5	52.8	53.1	53.2	53.3	53.5	54.0	47.9	50.0	7199	15	7402	50.0	51.4	51.9	41.2
11/05	52.8	51.9	55.1	52.5	52.3	52.3	52.4	52.6	52.7	53.0	53.2	47.3	47.5	6132	14	6087	48.5	47.0	49.0	39.1
11/06	52.9	52.1	55.0	52.5	52.5	52.7	52.7	52.7	52.7	52.8	53.2	47.1	48.2	5505	14	5402	51.0	47.0	50.3	40.1
11/07	53.1	52.2	55.1	52.3	52.2	52.3	52.2	52.3	52.3	52.7	53.1	46.5	46.8	5091	14	5454	51.0	45.5	48.5	40.5
11/08	53.1	52.2	55.0	52.3	52.2	52.2	52.1 ?	52.1	52.2	52.2	53.0	46.8	47.0	5367	14	5202	46.5	47.2	48.8	44.3
11/09	53.2	52.4	54.9	52.5	52.5	52.7	53.1	53.3	53.3	53.3	53.9	47.4	48.1	5144	16	5194	56.5	58.9	59.0	46.9
11/10	53.2	52.6	55.1	52.7	52.7	52.8	53.0	53.3	53.6	54.0	53.6	47.8	49.4	5017	16	5202	54.5	57.0	57.4	47.6
11/11	53.3	52.7	55.2	52.9	53.0	53.3	53.7	53.9	54.0	54.2	53.4	47.8	49.8	4447	600	5195	55.5	54.0	54.3	47.6
11/12	53.2	52.4	55.5	53.1	53.0	53.1	53.2	53.3	53.4	53.8	53.5	47.7	49.7	5173	14	5200	51.5	49.9	51.2	48.0
11/13	53.1	52.4	54.9	52.9	52.9	53.1	53.5	53.7	53.9	53.7	53.7	48.1	50.1	4827	15	4971	54.5	57.5	57.8	48.6
11/14	53.8	52.9	54.9	52.8	52.8	53.0	53.2	53.3	53.4	53.7	53.2	46.9	48.5	4174	28	4795	52.0	50.4	51.5	42.8
11/15	53.5	52.7	55.0	52.7	52.5	52.6	52.7	52.9	53.1	53.2	53.0	46.3	47.1	4181	14	4601	50.5	48.2	50.1	40.8
11/16	53.3	52.6	54.6	53.0	53.0	53.1	52.6	52.5	52.6	52.9	53.2	46.9	47.3	4734	158	4460	53.5	52.4	55.4	43.4
11/17	53.7	52.8	55.2	53.0	52.9	53.0	52.4	52.4	52.5	52.7	52.6	46.0	47.3	4375	24	4517	50.5	46.4	50.8	39.6
11/18	53.6	52.8	55.0	52.7	52.5	52.6	51.7	51.3	51.3	51.6	52.2	45.2	45.6	4176	14	4507	49.0	42.1	47.1	35.5
11/19	53.1	52.6	55.0	52.7	52.4	52.3	51.4	51.1	51.0	50.9	52.2	45.3	44.6	4385	14	4456	45.0	43.0	45.8	37.1
11/20	53.3	52.7	54.8	52.8	52.6	52.6	52.2	52.0	51.9	51.4	52.8	45.6	45.0	4705	14	4457	49.5	48.6	48.9	43.7
11/21	53.3	52.8	54.5	52.7	52.8	53.1	52.8	52.6	52.6	52.5	53.4	46.6	46.3	4110	14	4453	59.5	54.8	55.4	49.3
11/22	53.2	52.7	54.5	52.9	53.0	53.2	53.6	53.6	53.6	53.7	53.3	47.3	48.4	4540	14	4454	59.0	56.1	57.8	52.7
11/23	53.0	52.6	54.4	53.2	53.2	53.5	54.0	54.2	54.3	54.5	53.5	47.7	49.7	4013	42	4457	61.0	57.2	58.3	53.8
11/24	53.2	52.7	54.2	53.2	53.3	53.6	54.1	54.2	54.2	54.5	53.3	47.5	49.3	4254	32	4459	59.5	54.8	56.0	49.3
11/25	53.3	52.8	54.2	53.0	53.1	53.4	54.0	54.2	54.5	54.8	53.0	47.5	48.8	4414	14	4456	60.0	56.0	57.7	49.0
11/26	52.9	52.4	54.0	53.0	53.2	53.4	54.1	54.5	54.6	54.8	52.9	47.6	49.2	4366	14	4452	57.0	57.5	57.6	49.5
11/27	53.2	52.7	53.7	53.1	53.2	53.4	54.0	54.0	54.1	54.5	52.0	46.9	47.4	4388	146	4435	51.5	50.8	51.3	43.0
11/28	53.4	52.9	54.1	52.7	52.5	52.6	52.4	52.2	52.4	53.0	51.4	46.3	46.5	4508	270	4432	46.0	43.8	46.2	41.9
11/29	53.3	52.7	54.0	52.4	52.2	52.2	51.8	51.5	51.5	51.6	51.3	46.0	46.9	4240	177	4433	53.5	50.8	53.3	41.8
11/30	53.3	52.8	54.6	52.6	52.3	52.3	51.6	51.1	51.0	51.1	51.4	45.5	46.2	4458	17	4430	51.0	46.0	49.8	38.8
-																				
Nov	53.2	52.5	54.8	52.7	52.7	52.8	52.9	52.9	53.0	53.2	53.0	47.0	48.0	4985	60	5127	53.2	51.4	53.0	44.7

Total CFS	149556	1789	153802
Total AF	296638	3548	305060

Legend

Notes

- ? = 1-9 hours of data missing (Average includes estimations)
- ! = 10 or more hours of data missing (Average not calculated)
- # = Station out of service
- ↑ = Record high air temperature
- ↓ = Record low air temperature
- ☐ = Monthly Averages

- ¹ Temperatures are weighted averages based on individual penstock flow and temperature
Highlighted cells in the TCD column indicate a TCD change was made on that day
- ² Current control point (see page 3 for more details)
- ³ NFH is only reported in October, November and December

D A T E	Redding (RDD) Daily Air Temperatures (°F)																																					
	Actual			Forecasted																																		
	Previous Day			Current Day			1 Day			2 Days			3 Days			4 Days			5 Days			6 Days			7 Days			8 Days			9 Days			10 Days				
	↓	↑	Avg	↓	↑	Avg	↓	↑	Avg	↓	↑	Avg	↓	↑	Avg	↓	↑	Avg	↓	↑	Avg	↓	↑	Avg	↓	↑	Avg	↓	↑	Avg	↓	↑	Avg	↓	↑	Avg		
11/01	47	81	64.0	45	72	58.5	45	64	54.5	48	56	52.0	43	59	51.0	37	53	45.0	33	61	47.0	34	55	44.5	50	61	55.5	41	62	51.5	44	63	53.5	43	63	53.0		
11/02	42	70	56.0	53	65	59.0	48	57	52.5	41	59	50.0	35	52	43.5	32	60	46.0	31	60	45.5	40	63	51.5	40	65	52.5	44	67	55.5	44	65	54.5	39	68	53.5		
11/03	52	63	57.5	58	57	57.5	39	59	49.0	35	52	43.5	33	60	46.5	32	58	45.0	43	57	50.0	43	59	51.0	43	66	54.5	44	66	55.0	40	62	51.0	41	62	51.5		
11/04	52	60	56.0	42	60	51.0	37	53	45.0	34	60	47.0	32	64	48.0	39	58	48.5	43	59	51.0	44	60	52.0	45	68	56.5	45	61	53.0	44	61	52.5	39	61	50.0		
11/05	41	59	50.0	43	56	49.5	34	60	47.0	33	64	48.5	40	58	49.0	46	59	52.5	42	61	51.5	41	66	53.5	46	65	55.5	48	62	55.0	45	65	55.0	42	64	53.0		
11/06	42	55	48.5	41	59	50.0	33	62	47.5	42	55	48.5	45	59	52.0	45	59	52.0	42	63	52.5	41	60	50.5	46	59	52.5	44	62	53.0	42	63	52.5	42	63	52.5		
11/07	39	63	51.0	35	63	49.0	41	54	47.5	45	61	53.0	44	63	53.5	39	63	51.0	42	58	50.0	45	59	52.0	47	61	54.0	42	60	51.0	44	60	52.0	42	65	53.5		
11/08	35	67	51.0	41	53	47.0	46	56	51.0	47	55	51.0	43	63	53.0	43	59	51.0	47	57	52.0	38	57	47.5	41	63	52.0	42	63	52.5	42	61	51.5	43	60	51.5		
11/09	41	52	46.5	52	60	56.0	46	60	53.0	41	63	52.0	41	58	49.5	46	58	52.0	38	57	47.5	36	56	46.0	45	62	53.5	48	63	55.5	43	65	54.0	42	62	52.0		
11/10	50	63	56.5	52	61	56.5	42	61	51.5	42	59	50.5	45	58	51.5	38	57	47.5	38	55	46.5	39	57	48.0	38	64	51.0	43	61	52.0	43	60	51.5	43	61	52.0		
11/11	48	61	54.5	46	62	54.0	41	59	50.0	45	59	52.0	39	58	48.5	40	54	47.0	37	55	46.0	36	57	46.5	45	61	53.0	48	63	55.5	47	62	54.5	46	62	54.0		
11/12	46	65	55.5	45	62	53.5	47	59	53.0	42	58	50.0	40	53	46.5	39	55	47.0	37	57	47.0	38	58	48.0	46	57	51.5	53	61	57.0	48	62	55.0	43	64	53.5		
11/13	44	59	51.5	53	59	56.0	39	59	49.0	42	53	47.5	42	55	48.5	35	57	46.0	38	58	48.0	43	58	50.5	49	65	57.0	49	64	56.5	51	64	57.5	45	63	54.0		
11/14	50	59	54.5	43	60	51.5	42	52	47.0	43	54	48.5	35	56	45.5	36	58	47.0	42	56	49.0	47	57	52.0	51	67	59.0	50	68	59.0	47	68	57.5	47	65	56.0		
11/15	42	62	52.0	48	54	51.0	45	55	50.0	35	57	46.0	33	59	46.0	36	58	47.0	44	56	50.0	46	60	53.0	49	70	59.5	52	69	60.5	46	64	55.0	41	63	52.0		
11/16	48	53	50.5	49	56	52.5	36	59	47.5	35	60	47.5	37	58	47.5	43	58	50.5	45	60	52.5	48	65	56.5	50	69	59.5	51	67	59.0	46	63	54.5	42	61	51.5		
11/17	47	60	53.5	41	58	49.5	35	61	48.0	36	59	47.5	43	57	50.0	48	61	54.5	50	62	56.0	50	64	57.0	45	69	57.0	42	66	54.0	43	62	52.5	40	63	51.5		
11/18	40	61	50.5	33	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
11/19	33	65	49.0	35	61	48.0	44	55	49.5	47	66	56.5	50	73	61.5	51	68	59.5	49	65	57.0	47	63	55.0	46	65	55.5	47	58	52.5	42	58	50.0	40	60	50.0		
11/20	34	56	45.0	48	55	51.5	47	66	56.5	49	72	60.5	50	66	58.0	48	68	58.0	48	65	56.5	47	64	55.5	44	59	51.5	42	57	49.5	36	57	46.5	37	58	47.5		
11/21	48	51	49.5	51	66	58.5	47	71	59.0	50	68	59.0	49	68	58.5	50	63	56.5	49	63	56.0	43	59	51.0	39	65	52.0	40	62	51.0	43	64	53.5	44	61	52.5		
11/22	51	68	59.5	47	71	59.0	50	69	59.5	47	67	57.0	47	62	54.5	48	61	54.5	41	56	48.5	37	61	49.0	38	64	51.0	39	65	52.0	41	63	52.0	42	58	50.0		
11/23	47	71	59.0	NR	68	NR	49	66	57.5	48	63	55.5	51	59	55.0	41	57	49.0	39	62	50.5	39	61	50.0	39	66	52.5	38	63	50.5	40	59	49.5	38	61	49.5		
11/24	53	69	61.0	NR	65	NR	45	64	54.5	48	60	54.0	41	57	49.0	38	63	50.5	39	61	50.0	39	62	50.5	37	65	51.0	36	63	49.5	39	59	49.0	38	59	48.5		
11/25	53	66	59.5	54	66	60.0	51	61	56.0	42	61	51.5	39	63	51.0	41	63	52.0	39	63	51.0	39	58	48.5	42	58	50.0	39	62	50.5	41	63	52.0	41	63	52.0		
11/26	53	67	60.0	56	60	58.0	43	59	51.0	39	63	51.0	40	62	51.0	38	63	50.5	38	60	49.0	38	56	47.0	38	57	47.5	37	61	49.0	38	61	49.5	42	59	50.5		
11/27	52	62	57.0	48	60	54.0	38	59	48.5	40	62	51.0	39	65	52.0	40	61	50.5	41	55	48.0	37	53	45.0	44	59	51.5	43	62	52.5	39	62	50.5	41	60	50.5		
11/28	42	61	51.5	36	59	47.5	40	63	51.5	40	63	51.5	38	62	50.0	43	57	50.0	38	55	46.5	36	58	47.0	41	61	51.0	41	65	53.0	42	64	53.0	41	65	53.0		
11/29	35	57	46.0	42	63	52.5	38	62	50.0	39	62	50.5	40	57	48.5	37	60	48.5	36	60	48.0	37	61	49.0	34	65	49.5	32	63	47.5	39	64	51.5	40	65	52.5		
11/30	42	65	53.5	42	62	52.0	38	61	49.5	41	56	48.5	37	55	46.0	34	59	46.5	36	62	49.0	36	62	49.0	40	66	53.0	41	65	53.0	39	64	51.5	40	63	51.5		
-																																						

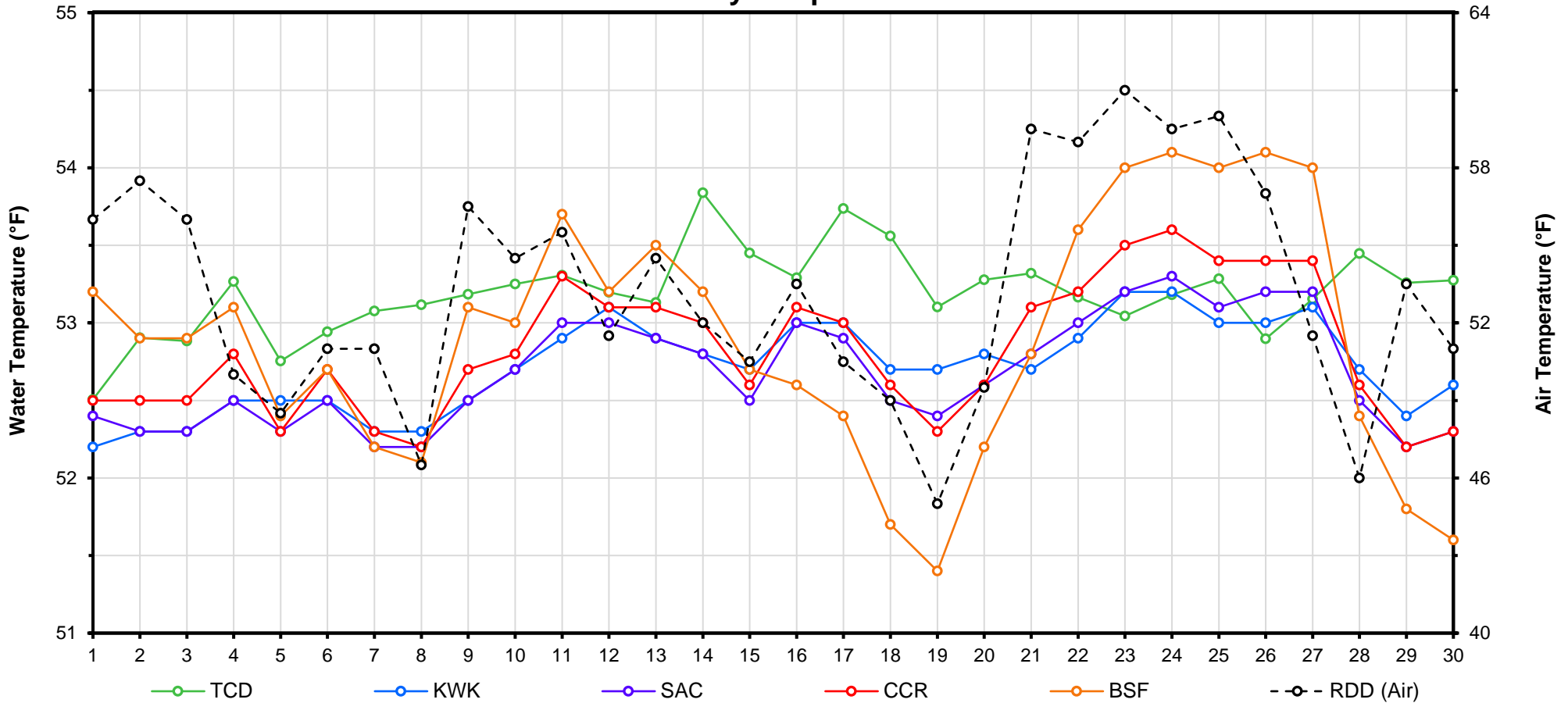
Web Links

- [10-Day Min/Max Forecast](#)
- [Previous Days Min/Max Actuals](#)

Legend

- NR = Forecasted temperatures not recorded
- 100** = Previous day actual temperatures in red and bolded indicate a record temperature for that date

Mean Daily Temperatures



Station Details			
Code	Body of Water	Location ¹	CDEC Link
TCD	N/A	Shasta Power Plant	N/A
SHD	Sacramento River	0.3 miles downstream of Shasta Power Plant	Click Here
SPP	N/A	Spring Creek Power Plant	N/A
KWK	Sacramento River	0.8 miles downstream of Keswick Dam	Click Here
SAC	Sacramento River	4.8 miles downstream of Keswick Dam	Click Here
CCR	Sacramento River	9.7 miles downstream of Keswick Dam	Click Here
BSF	Sacramento River	25 miles downstream of Keswick Dam	Click Here
JLF	Sacramento River	34 miles downstream of Keswick Dam	Click Here
BND	Sacramento River	41 miles downstream of Keswick Dam	Click Here
RDB	Sacramento River	58 miles downstream of Keswick Dam	Click Here
IGO	Clear Creek	7.3 miles downstream of Whiskeytown Dam	Click Here
LWS	Trinity River	1.1 miles downstream of Lewiston Dam	Click Here
DGC ²	Trinity River	19 miles downstream of Lewiston Dam	Click Here
NFH ³	Trinity River	38 miles downstream of Lewiston Dam	Click Here

Temperature Control Point		
Point	Temp. (°F)	Date Range
BSF	56.0	06/01/17 - Current

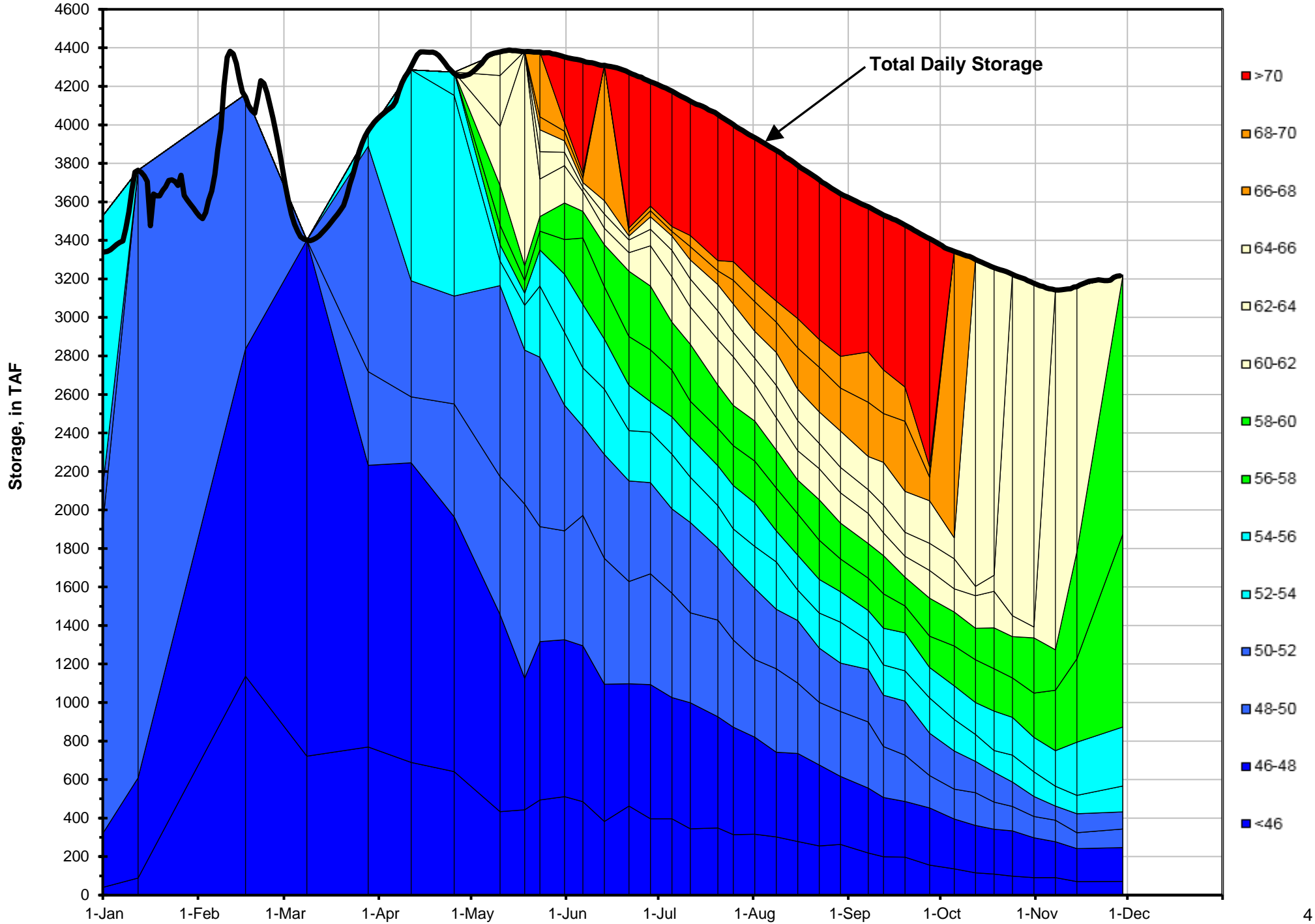
Notes

¹ Distances are approximate

² DGC is only reported in September

³ NFH is only reported in October, November and December

Lake Shasta Isothermalbaths - 2017 (Water Temperature, in °F)



DATE	Daily Max		7DADM ¹		DAT ²
	SAC	CCR	SAC	CCR	BSF
11/01	53.2	53.7	53.6	54.1	53.2
11/02	52.5	52.8	53.4	53.9	52.9
11/03	52.4	52.6	53.2	53.7	52.9
11/04	53.2	53.8	53.2	53.6	53.1
11/05	52.5	52.8	53.0	53.4	52.4
11/06	53.8	54.3	53.0	53.4	52.7
11/07	53.2	53.8	53.0	53.4	52.2
11/08	52.4	52.5	52.9	53.2	52.1
11/09	52.9	53.2	52.9	53.3	53.1
11/10	53.4	53.6	53.1	53.4	53.0
11/11	54.1	54.7	53.2	53.6	53.7
11/12	53.6	54.0	53.3	53.7	53.2
11/13	53.2	53.5	53.3	53.6	53.5
11/14	53.8	54.4	53.3	53.7	53.2
11/15	52.6	52.7	53.4	53.7	52.7
11/16	54.1	54.2	53.5	53.9	52.6
11/17	54.1	54.5	53.6	54.0	52.4
11/18	53.7	54.1	53.6	53.9	51.7
11/19	53.2	53.2	53.5	53.8	51.4
11/20	52.7	52.8	53.5	53.7	52.2
11/21	53.4	54.0	53.4	53.6	52.8
11/22	53.9	54.1	53.6	53.8	53.6
11/23	53.6	54.1	53.5	53.8	54.0
11/24	53.8	54.2	53.5	53.8	54.1
11/25	53.7	54.1	53.5	53.8	54.0
11/26	53.8	53.8	53.6	53.9	54.1
11/27	54.1	54.6	53.8	54.1	54.0
11/28	53.4	53.4	53.8	54.0	52.4
11/29	53.0	53.3	53.6	53.9	51.8
11/30	53.2	53.2	53.6	53.8	51.6
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Notes

¹ 7DADM = 7-Day Average
Daily Maximum

² DAT = Daily Average
Temperature

