

# Northern CVP Water Temperature Report

## April - 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 <sup>1</sup>	SHD	SPP <sup>1</sup>	KWK	SAC	CCR	BSF <sup>2</sup>	JLF	BND	RDB	IGO	LWS	----- <sup>3</sup>	Shasta Generation	Spring Creek P.P.	Keswick Total	RDD	BSF	RDB	LWS	
Mar	48.0	47.3	47.6	47.8	48.0	48.2	49.4	50.0	50.2	50.7	48.4	46.3	-	10690	1691	17033	55.7	54.1	55.3	47.6	
04/01	51.0	50.2	48.8	50.9	51.1	51.5	52.6	53.0	53.1	53.7	50.2	47.0	-	9138	14	8737	70.5	66.0	67.7	53.5	
04/02	51.2	50.6	48.5	51.0	51.4	51.8	53.5	54.4	54.6	55.2	51.1	48.0	-	8916	852	8644	67.0	64.6	65.7	56.4	
04/03	51.4	50.5	48.5	51.0	51.2	51.5	52.8	53.7	54.1	55.0	49.9	47.7	-	8346	1105	8669	61.5	60.2	62.2	51.2	
04/04	51.0	50.1	48.6	51.0	51.1	51.4	52.7	53.5	53.8	54.6	50.1	48.4	-	8960	932	8694	61.5	59.4	60.9	55.2	
04/05	50.9	49.9	48.7	50.7	50.8	51.2	52.4	53.2	53.6	54.4	50.0	47.8	-	8875	1190	8694	60.0	59.1	61.0	53.9	
04/06	50.6	49.9	48.6	50.5	50.7	50.7	51.7	52.3	52.8	53.4	49.5	48.0	-	8577	806	8691	53.5	52.2	53.1	44.8	
04/07	49.2	48.3	48.6	50.1	50.9	50.6	52.6	52.5	52.6	52.9	49.9	47.8	-	7181	2093	9050	54.0	53.4	53.9	44.8	
04/08	50.2	49.5	48.9	49.3	49.8	49.9	51.7	51.9	52.3	52.8	49.1	46.9	-	8741	808	8812	50.0	48.6	48.6	41.2	
04/09	50.4	49.7	48.8	49.9	50.2	50.4	51.7	51.8	52.0	52.5	49.5	46.6	-	8620	912	8770	51.5	51.1	50.8	44.5	
04/10	50.8	49.9	48.9	50.2	50.5	50.7	52.1	52.5	52.7	53.3	49.9	46.6	-	8816	779	8698	55.0	55.8	55.5	48.5	
04/11	50.8	49.9	49.0	50.3	50.4	50.5	51.5	52.1	52.6	53.4	49.3	46.4	-	8366	873	8937	54.0	53.6	54.3	47.2	
04/12	49.8	49.2	48.8	50.2	50.4	50.5	51.5	51.7	52.0	52.4	50.2	46.4	-	10318	839	11281	53.5	56.0	57.0	46.9	
04/13	50.3	49.3	48.9	49.5	49.4	49.6	50.6	50.9	51.3	52.0	49.5	46.0	-	13679	660	17654	47.5	49.0	50.7	43.4	
04/14	50.9	49.7	49.1	49.6	49.6	49.8	50.2	50.3	50.4	51.0	48.7	45.9	-	13615	1057	20955	↓ 48.0	47.6	49.2	42.5	
04/15	51.3	50.0	49.2	50.0	50.0	50.2	50.7	50.9	51.1	51.8	49.7	46.3	-	13502	1468	22556	56.0	52.0	53.6	46.5	
04/16	51.2	49.8	49.1	50.0	49.9	50.1	50.6	50.8	51.2	51.6	49.0	46.2	-	13779	1193	22460	51.0	49.8	50.6	44.3	
04/17	50.8	49.6	49.2	49.7	49.6	49.8	50.4	50.5	50.7	51.3	50.0	46.3	-	14001	1037	22451	56.0	55.3	55.8	47.8	
04/18	50.7	49.4	49.4	49.8	50.0	50.1	51.1	51.6	51.7	52.5	52.4	46.0	-	13659	681	25572	61.0	58.6	59.0	53.0	
04/19	51.0	49.6	49.4	49.7	49.7	49.9	50.8	51.5	51.7	52.8	51.6	45.7	-	13857	1262	26855	56.5	55.0	55.5	47.1	
04/20	51.2	49.8	49.2	49.8	49.9	50.1	51.1	51.6	51.6	52.8	51.1	46.6	-	14202	833	26377	57.0	57.5	58.7	48.7	
04/21	51.9	50.2	49.2	50.1	50.1	50.4	51.2	51.7	52.0	53.1	51.5	48.0	-	14493	572	26352	65.0	59.2	60.7	53.4	
04/22	51.6	50.1	49.3	50.2	50.2	50.5	51.4	52.1	52.3	53.4	51.7	47.8	-	15458	130	26899	60.0	58.8	59.7	53.9	
04/23	51.4	50.0	49.7	50.1	50.1	50.4	51.3	52.1	52.3	53.6	51.4	47.6	-	15228	67	28032	59.0	60.3	62.0	51.5	
04/24	50.9	49.7	49.4	49.8	49.8	50.0	50.9	51.7	52.0	53.2	51.0	48.2	-	16893	219	28046	56.0	57.2	58.0	50.8	
04/25	51.2	50.0	49.9	49.8	49.7	49.9	50.6	51.2	51.3	52.3	50.8	47.0	-	16436	38	22653	57.0	56.2	58.9	50.0	
04/26	51.3	50.3	49.7	50.4	50.3	50.6	51.2	51.8	51.9	52.6	51.1	44.9	-	17351	163	18492	60.5	59.3	59.8	52.5	
04/27	51.8	51.0	49.9	50.7	50.8	51.0	51.9	52.6	52.6	53.3	51.3	44.5	-	16969	141	15477	58.0	58.3	60.8	50.4	
04/28	52.6	51.7	50.0	51.6	51.6	51.9	52.7	53.4	53.5	54.0	51.1	44.7	-	12334	903	12929	59.5	58.3	59.8	49.9	
04/29	53.0	52.1	50.0	52.0	52.2	52.6	53.5	54.2	54.3	54.9	51.5	44.7	-	11642	668	11190	63.5	60.7	63.0	54.3	
04/30	52.8	52.0	50.1	52.7	53.0	53.4	54.6	55.4	55.5	56.4	52.4	45.1	-	10678	422	10065	66.5	64.5	66.9	57.8	
-																					
Apr	51.1	50.1	49.2	50.4	50.5	50.7	51.7	52.2	52.5	53.2	50.5	46.6	-	12088	757	16423	57.7	56.6	57.8	49.5	
														Total CFS	362630	22717	492692				
														Total AF	719262	45058	977234				

Legend

- ? = 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

Notes

- <sup>1</sup> 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
- <sup>2</sup> Current control point (see page 3 for more details)
- <sup>3</sup> Column not used this month

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		
04/01	49	79	64.0	56	80	68.0	53	75	64.0	46	72	59.0	45	74	59.5	49	75	62.0	50	70	60.0	49	68	58.5	47	68	57.5	44	69	56.5	45	70	57.5	48	77	62.5		
04/02	56	85	70.5	59	76	67.5	47	73	60.0	44	75	59.5	48	75	61.5	49	66	57.5	47	62	54.5	44	62	53.0	41	64	52.5	42	71	56.5	45	75	60.0	48	74	61.0		
04/03	54	80	67.0	54	75	64.5	45	75	60.0	49	74	61.5	48	64	56.0	47	60	53.5	45	61	53.0	42	62	52.0	39	68	53.5	41	68	54.5	43	69	56.0	49	72	60.5		
04/04	49	74	61.5	51	74	62.5	50	71	60.5	48	64	56.0	48	57	52.5	44	60	52.0	39	60	49.5	42	64	53.0	41	68	54.5	45	71	58.0	49	74	61.5	51	72	61.5		
04/05	50	73	61.5	50	73	61.5	50	65	57.5	50	59	54.5	43	58	50.5	36	63	49.5	42	67	54.5	44	71	57.5	46	69	57.5	45	75	60.0	46	77	61.5	48	70	59.0		
04/06	50	70	60.0	50	62	56.0	49	59	54.0	43	58	50.5	35	64	49.5	42	67	54.5	46	68	57.0	48	68	58.0	46	66	56.0	46	68	57.0	47	70	58.5	47	74	60.5		
04/07	48	59	53.5	51	59	55.0	42	57	49.5	35	63	49.0	43	65	54.0	43	69	56.0	47	63	55.0	46	65	55.5	44	66	55.0	42	66	54.0	46	73	59.5	49	76	62.5		
04/08	46	62	54.0	41	57	49.0	38	61	49.5	45	63	54.0	44	64	54.0	49	63	56.0	48	63	55.5	44	68	56.0	43	71	57.0	45	74	59.5	48	74	61.0	50	75	62.5		
04/09	41	59	50.0	41	61	51.0	44	64	54.0	43	61	52.0	50	63	56.5	49	62	55.5	43	65	54.0	44	69	56.5	44	72	58.0	44	69	56.5	47	72	59.5	47	76	61.5		
04/10	41	62	51.5	46	66	56.0	44	59	51.5	48	60	54.0	44	58	51.0	40	65	52.5	42	70	56.0	44	64	54.0	43	61	52.0	46	69	57.5	48	74	61.0	48	73	60.5		
04/11	45	65	55.0	49	60	54.5	48	59	53.5	45	58	51.5	36	65	50.5	41	69	55.0	44	66	55.0	46	65	55.5	44	70	57.0	48	76	62.0	48	74	61.0	51	80	65.5		
04/12	49	59	54.0	53	59	56.0	44	57	50.5	37	63	50.0	41	71	56.0	47	67	57.0	50	64	57.0	47	67	57.0	45	68	56.5	45	75	60.0	49	78	63.5	51	80	65.5		
04/13	48	59	53.5	44	57	50.5	36	62	49.0	41	70	55.5	46	63	54.5	48	64	56.0	49	66	57.5	45	64	54.5	46	74	60.0	45	78	61.5	47	81	64.0	55	80	67.5		
04/14	38	57	47.5	34	64	49.0	42	71	56.5	45	61	53.0	46	64	55.0	48	66	57.0	44	64	54.0	45	67	56.0	46	78	62.0	50	83	66.5	51	84	67.5	56	82	69.0		
04/15	<b>33</b>	63	48.0	43	72	57.5	47	63	55.0	47	64	55.5	50	67	58.5	44	63	53.5	44	68	56.0	46	76	61.0	48	82	65.0	51	84	67.5	52	86	69.0	54	80	67.0		
04/16	42	70	56.0	46	62	54.0	48	64	56.0	51	68	59.5	45	66	55.5	45	69	57.0	46	78	62.0	51	80	65.5	53	86	69.5	54	87	70.5	54	82	68.0	52	78	65.0		
04/17	44	58	51.0	51	64	57.5	50	69	59.5	46	68	57.0	47	68	57.5	46	79	62.5	50	76	63.0	51	79	65.0	54	85	69.5	53	83	68.0	51	84	67.5	55	81	68.0		
04/18	51	61	56.0	53	69	61.0	46	66	56.0	46	69	57.5	46	79	62.5	50	77	63.5	49	76	62.5	51	77	64.0	54	81	67.5	51	79	65.0	53	86	69.5	52	76	64.0		
04/19	53	69	61.0	52	66	59.0	47	69	58.0	47	80	63.5	50	76	63.0	50	77	63.5	48	73	60.5	49	69	59.0	51	83	67.0	51	84	67.5	49	78	63.5	49	78	63.5		
04/20	49	64	56.5	46	68	57.0	47	77	62.0	49	73	61.0	49	73	61.0	47	69	58.0	50	67	58.5	52	70	61.0	48	75	61.5	49	80	64.5	50	81	65.5	52	76	64.0		
04/21	45	69	57.0	49	79	64.0	50	72	61.0	48	71	59.5	48	68	58.0	50	65	57.5	50	68	59.0	47	70	58.5	51	80	65.5	50	77	63.5	52	81	66.5	49	76	62.5		
04/22	48	82	65.0	49	72	60.5	48	70	59.0	49	65	57.0	49	63	56.0	50	71	60.5	47	72	59.5	48	73	60.5	52	80	66.0	51	80	65.5	52	82	67.0	55	79	67.0		
04/23	49	71	60.0	47	71	59.0	49	63	56.0	46	63	54.5	49	68	58.5	48	72	60.0	47	74	60.5	48	80	64.0	54	87	70.5	57	90	73.5	58	92	75.0	58	87	72.5		
04/24	47	71	59.0	54	63	58.5	44	67	55.5	49	68	58.5	47	71	59.0	45	71	58.0	46	77	61.5	48	81	64.5	55	86	70.5	55	84	69.5	55	88	71.5	57	85	71.0		
04/25	48	64	56.0	47	69	58.0	51	68	59.5	46	72	59.0	46	74	60.0	48	77	62.5	49	82	65.5	55	80	67.5	53	77	65.0	51	81	66.0	50	85	67.5	56	84	70.0		
04/26	47	67	57.0	54	68	61.0	47	73	60.0	45	74	59.5	47	81	64.0	50	83	66.5	51	80	65.5	54	82	68.0	56	86	71.0	56	88	72.0	56	91	73.5	58	86	72.0		
04/27	52	69	60.5	45	72	58.5	46	74	60.0	47	82	64.5	51	84	67.5	55	83	69.0	55	84	69.5	56	88	72.0	62	92	77.0	60	96	78.0	57	90	73.5	55	87	71.0		
04/28	43	73	58.0	47	74	60.5	48	80	64.0	52	82	67.0	54	83	68.5	61	86	73.5	58	90	74.0	60	89	74.5	59	91	75.0	58	87	72.5	53	85	69.0	54	84	69.0		
04/29	45	74	59.5	44	81	62.5	52	81	66.5	53	83	68.0	55	87	71.0	59	91	75.0	61	86	73.5	58	80	69.0	61	90	75.5	58	87	72.5	54	78	66.0	54	81	67.5		
04/30	44	83	63.5	47	83	65.0	52	85	68.5	59	87	73.0	62	93	77.5	62	89	75.5	59	80	69.5	54	73	63.5	50	75	62.5	51	77	64.0	53	86	69.5	57	86	71.5		
-																																						

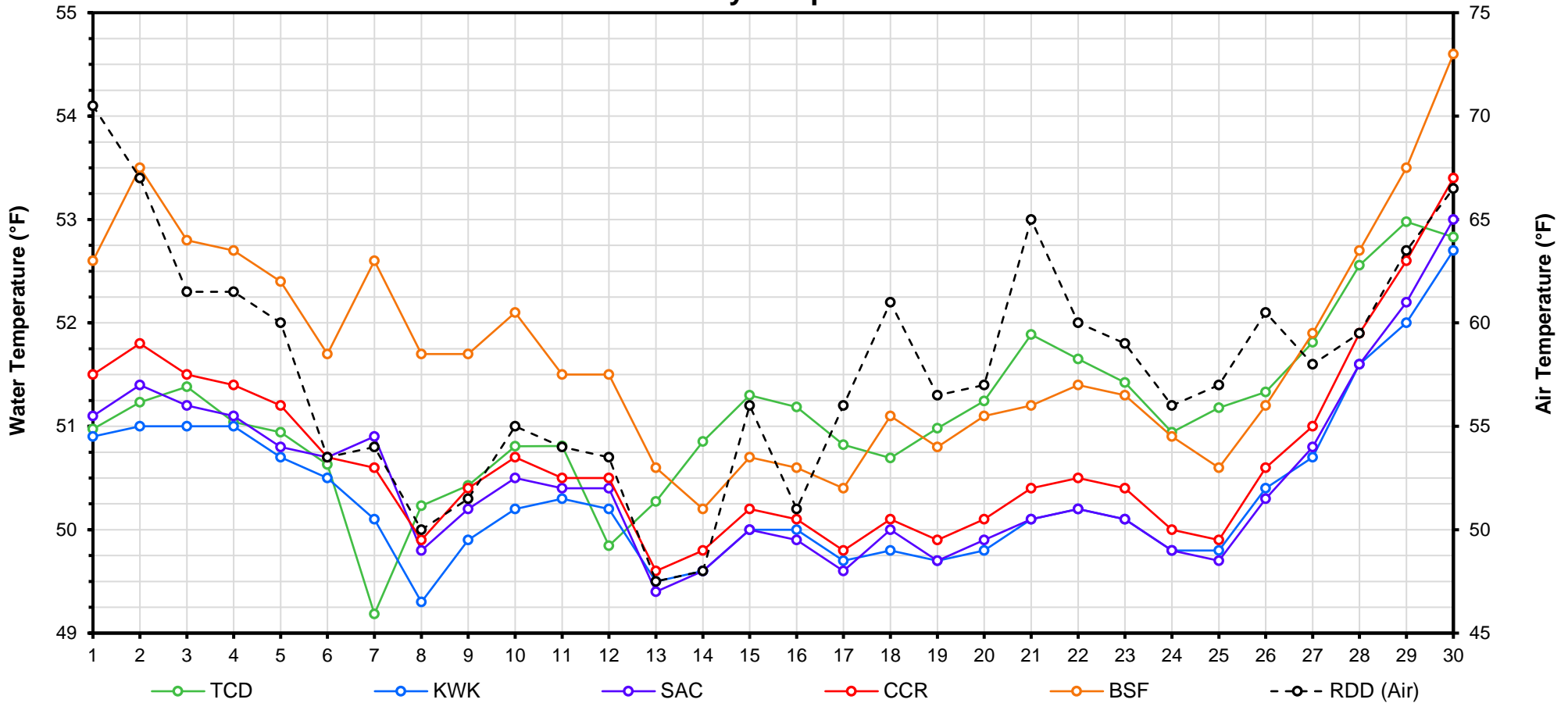
[Web Links](#)

[Legend](#)

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

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 <sup>1</sup>	CDEC Link
TCD	N/A	Shasta Power Plant	N/A
SHD	Sacramento River	0.3 miles downstream of Shasta Power Plant	<a href="#">Click Here</a>
SPP	N/A	Spring Creek Power Plant	N/A
KWK	Sacramento River	0.8 miles downstream of Keswick Dam	<a href="#">Click Here</a>
SAC	Sacramento River	4.8 miles downstream of Keswick Dam	<a href="#">Click Here</a>
CCR	Sacramento River	9.7 miles downstream of Keswick Dam	<a href="#">Click Here</a>
BSF	Sacramento River	25 miles downstream of Keswick Dam	<a href="#">Click Here</a>
JLF	Sacramento River	34 miles downstream of Keswick Dam	<a href="#">Click Here</a>
BND	Sacramento River	41 miles downstream of Keswick Dam	<a href="#">Click Here</a>
RDB	Sacramento River	58 miles downstream of Keswick Dam	<a href="#">Click Here</a>
IGO	Clear Creek	7.3 miles downstream of Whiskeytown Dam	<a href="#">Click Here</a>
LWS	Trinity River	1.1 miles downstream of Lewiston Dam	<a href="#">Click Here</a>
DGC <sup>2</sup>	Trinity River	19 miles downstream of Lewiston Dam	<a href="#">Click Here</a>
NFH <sup>3</sup>	Trinity River	38 miles downstream of Lewiston Dam	<a href="#">Click Here</a>

Temperature Control Point		
Point	Temp. (°F)	Date Range
<b>BSF</b>	<b>56.0</b>	<b>06/17/16 - Current</b>

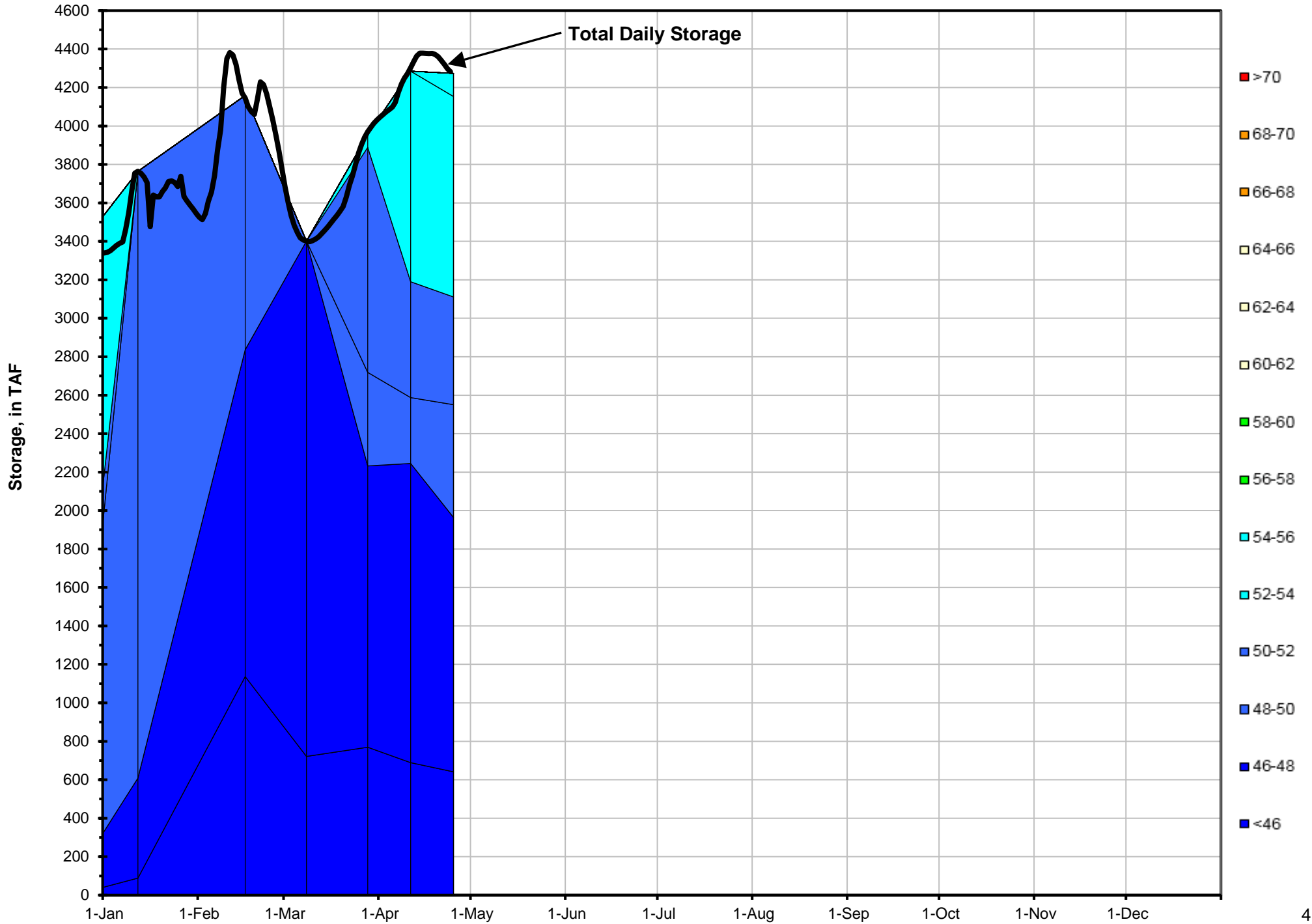
## Notes

<sup>1</sup> Distances are approximate

<sup>2</sup> DGC is only reported in September

<sup>3</sup> NFH is only reported in October, November and December

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



DATE	Daily Max		7DADM <sup>1</sup>		DAT <sup>2</sup>
	SAC	CCR	SAC	CCR	BSF
04/01	52.6	53.5	51.1	51.4	52.6
04/02	52.7	53.7	51.5	52.1	53.5
04/03	52.7	53.5	51.9	52.5	52.8
04/04	52.4	52.8	52.1	52.7	52.7
04/05	51.8	52.3	52.3	53.0	52.4
04/06	51.6	51.1	52.3	52.8	51.7
04/07	51.7	51.5	52.2	52.6	52.6
04/08	50.5	50.8	51.9	52.2	51.7
04/09	51.5	52.0	51.7	52.0	51.7
04/10	51.9	52.6	51.6	51.9	52.1
04/11	51.0	51.2	51.4	51.6	51.5
04/12	50.8	51.0	51.3	51.5	51.5
04/13	49.8	50.1	51.0	51.3	50.6
04/14	50.3	50.5	50.8	51.2	50.2
04/15	50.5	50.9	50.8	51.2	50.7
04/16	50.3	50.6	50.7	51.0	50.6
04/17	49.9	50.0	50.4	50.6	50.4
04/18	50.2	50.7	50.3	50.5	51.1
04/19	50.0	50.4	50.1	50.5	50.8
04/20	50.5	50.8	50.2	50.6	51.1
04/21	51.0	51.3	50.3	50.7	51.2
04/22	50.6	51.0	50.4	50.7	51.4
04/23	50.6	51.0	50.4	50.7	51.3
04/24	50.0	50.3	50.4	50.8	50.9
04/25	50.3	50.6	50.4	50.8	50.6
04/26	50.9	51.3	50.6	50.9	51.2
04/27	51.4	51.9	50.7	51.1	51.9
04/28	52.2	52.8	50.9	51.3	52.7
04/29	52.7	53.8	51.2	51.7	53.5
04/30	54.2	55.3	51.7	52.3	54.6
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**Notes**

<sup>1</sup> 7DADM = 7-Day Average Daily Maximum

<sup>2</sup> DAT = Daily Average Temperature

