

# Northern CVP Water Temperature Report

## November - 2016

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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	NFH <sup>3</sup>	Shasta Generation	Spring Creek P.P.	Keswick Total	RDD	BSF	RDB	LWS
Oct	50.8	50.0	57.7	51.5	52.0	52.6	53.9	54.9	55.4	56.7	56.6	51.6	-	7826	375	8378	75.9	70.1	71.7	63.9
11/01	52.3	51.6	58.3	52.7	53.7	53.4	54.6	54.6	54.7	54.9	56.8	51.2	50.8	4929	18	4950	56.5	53.8	55.5	48.5
11/02	52.2	51.5	57.7	52.1	52.5	52.8	53.6	54.0	54.2	54.9	56.4	50.9	50.8	4805	14	5147	53.5	50.0	52.7	47.8
11/03	52.2	51.5	58.2	52.1	52.4	52.8	53.1	53.3	53.4	53.8	56.8	50.7	50.6	4257	530	5023	57.0	51.8	55.4	47.5
11/04	52.2	51.5	58.1	52.4	52.6	53.0	53.3	53.6	53.7	53.9	56.8	50.8	51.2	4132	481	4831	59.5	53.5	57.0	50.8
11/05	52.2	51.6	58.1	52.4	52.6	53.0	53.3	53.6	53.7	54.0	56.5	50.7	51.1	3985	519	4841	55.0	52.1	56.0	48.4
11/06	52.0	51.3	57.7	52.5	52.7	53.2	54.0	54.5	54.6	54.8	57.2	51.4	51.9	4666	14	4636	60.5	57.9	59.8	53.7
11/07	51.9	51.2	57.3	52.5	52.8	53.4	54.1	54.6	54.8	55.3	57.3	51.5	52.7	4429	14	4841	63.0	58.5	60.4	54.4
11/08	51.7	51.0	58.2	52.1	52.4	53.3	54.0	54.7	54.9	55.5	56.9	51.3	52.7	4387	31	4840	62.5	57.5	60.7	53.2
11/09	51.8	51.1	58.0	52.0	52.3	53.1	53.6	54.3	54.5	55.3	56.8	51.3	52.5	3948	471	4854	↑ 64.0	57.3	60.5	50.4
11/10	51.9	51.4	58.0	52.4	52.6	53.2	53.5	54.0	54.2	54.7	56.7	51.2	52.4	3670	654	4866	62.0	57.0	60.0	51.1
11/11	52.1	51.5	57.9	52.4	52.5	52.9	53.6	54.1	54.2	54.5	56.9	51.2	51.9	4016	183	4866	58.0	56.3	58.4	51.0
11/12	52.1	51.6	57.9	52.4	52.7	53.4	54.1	54.6	54.8	55.1	57.4	51.6	52.8	4279	180	4866	61.5	59.1	60.7	51.6
11/13	52.2	51.8	58.3	52.4	52.7	53.2	53.8	54.4	54.5	55.2	57.0	?	51.2	4781	23	4865	61.0	57.0	59.8	50.2
11/14	52.2	51.6	57.9	52.2	52.5	53.1	53.7	54.2	54.3	54.9	56.9	51.5	52.3	4605	166	4863	59.0	55.6	58.1	53.0
11/15	52.4	51.8	58.4	52.2	52.3	52.9	53.6	54.1	54.2	54.5	57.2	51.8	52.7	4948	35	4779	53.5	54.5	55.4	52.2
11/16	52.7	52.0	58.0	52.1	51.9	52.2	52.4	52.6	?	52.6	53.2	55.8	50.4	5005	86	4865	50.0	45.5	50.5	40.9
11/17	52.5	51.9	57.9	51.9	51.7	52.2	51.8	51.8	51.6	51.9	55.7	49.9	47.7	4610	164	4866	48.5	43.7	46.5	39.4
11/18	52.5	52.0	57.9	52.0	51.8	51.8	51.7	51.6	51.4	51.4	55.8	49.8	47.3	4023	170	4864	48.0	46.4	48.0	43.5
11/19	52.8	52.2	57.7	52.1	51.9	51.9	51.8	51.9	52.0	51.7	54.9	49.9	48.1	4247	193	4866	49.5	47.5	50.3	42.7
11/20	53.1	52.7	57.5	52.1	52.6	52.3	52.4	52.1	52.1	52.0	55.0	50.0	49.1	4378	135	4862	53.0	52.1	54.0	47.3
11/21	52.9	52.4	57.6	52.6	52.9	53.0	53.5	53.5	53.5	53.4	54.8	49.9	49.7	4357	14	4865	53.0	52.0	52.3	45.5
11/22	52.9	52.3	57.1	52.6	52.4	52.3	52.3	52.3	52.4	52.9	54.4	49.4	48.5	4673	336	4864	46.5	46.6	48.4	42.9
11/23	53.0	52.4	56.8	52.4	52.3	52.3	52.1	52.1	52.1	52.2	53.6	48.6	47.6	4642	511	4864	47.0	47.5	48.5	38.9
11/24	53.3	52.6	56.6	52.5	52.3	51.9	51.4	51.1	51.0	51.2	53.1	48.4	46.6	4159	238	4866	44.5	41.6	44.4	38.8
11/25	53.1	52.5	56.3	52.4	52.1	52.1	51.6	51.3	51.2	50.9	53.3	48.6	46.8	4461	311	4861	45.0	43.9	44.9	41.5
11/26	53.0	52.5	56.0	52.5	51.9	51.9	50.7	50.6	50.6	50.5	52.6	48.5	46.8	4341	171	4814	45.0	44.8	45.6	41.4
11/27	53.0	52.3	55.7	52.2	51.9	51.9	50.4	50.2	50.1	50.0	52.0	48.0	46.2	4427	280	4815	44.0	45.9	48.6	39.8
11/28	53.0	52.6	55.6	52.1	52.0	52.2	51.6	51.3	51.2	50.8	52.6	48.1	46.7	4238	344	4810	47.5	47.0	47.9	43.3
11/29	53.2	52.6	55.4	52.1	51.9	51.9	50.9	50.6	50.5	50.6	51.9	47.6	46.1	4423	14	4816	48.5	44.5	46.0	38.2
11/30	52.8	52.3	55.4	52.1	52.0	52.0	51.2	50.8	50.6	50.4	52.2	47.4	46.1	4779	14	4816	47.0	44.4	46.0	39.9
-																				
Nov	52.5	51.9	57.4	52.3	52.4	52.6	52.7	52.9	52.9	53.1	55.4	50.1	49.7	4420	210	4859	53.5	50.8	53.1	46.3

Total CFS	132600	6314	145782
Total AF	263007	12524	289153

**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> 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	50	59	54.5	50	63	56.5	41	68	54.5	46	72	59.0	48	71	59.5	48	67	57.5	50	65	57.5	50	70	60.0	44	68	56.0	44	73	58.5	47	70	58.5	47	66	56.5		
11/02	49	64	56.5	45	68	56.5	46	73	59.5	45	75	60.0	46	68	57.0	50	64	57.0	50	65	57.5	50	67	58.5	49	70	59.5	48	72	60.0	45	67	56.0	45	64	54.5		
11/03	41	66	53.5	43	72	57.5	46	73	59.5	46	70	58.0	49	64	56.5	49	65	57.0	49	67	58.0	50	70	60.0	54	65	59.5	49	64	56.5	48	65	56.5	48	66	57.0		
11/04	43	71	57.0	44	73	58.5	48	69	58.5	50	65	57.5	50	68	59.0	47	68	57.5	49	70	59.5	49	69	59.0	46	60	53.0	44	66	55.0	44	67	55.5	45	67	56.0		
11/05	43	76	59.5	42	69	55.5	49	64	56.5	49	69	59.0	47	70	58.5	46	73	59.5	47	72	59.5	49	68	58.5	49	69	59.0	48	71	59.5	47	69	58.0	44	67	55.5		
11/06	42	68	55.0	56	64	60.0	50	69	59.5	48	73	60.5	47	74	60.5	46	73	59.5	47	69	58.0	49	67	58.0	48	73	60.5	45	71	58.0	45	69	57.0	45	68	56.5		
11/07	56	65	60.5	55	70	62.5	50	73	61.5	47	75	61.0	47	75	61.0	49	68	58.5	49	68	58.5	50	71	60.5	49	68	58.5	47	71	59.0	48	65	56.5	40	62	51.0		
11/08	55	71	63.0	48	73	60.5	49	75	62.0	47	76	61.5	48	68	58.0	47	69	58.0	50	69	59.5	50	70	60.0	47	66	56.5	45	64	54.5	40	62	51.0	38	62	50.0		
11/09	48	77	62.5	49	75	62.0	49	76	62.5	48	70	59.0	49	68	58.5	48	69	58.5	49	68	58.5	50	63	56.5	44	56	50.0	38	62	50.0	42	61	51.5	40	61	50.5		
11/10	48	<b>80</b>	64.0	46	76	61.0	49	71	60.0	51	68	59.5	50	71	60.5	49	68	58.5	50	62	56.0	41	54	47.5	40	59	49.5	41	61	51.0	41	62	51.5	40	62	51.0		
11/11	46	78	62.0	NR	72	-	51	67	59.0	46	70	58.0	48	70	59.0	47	68	57.5	47	57	52.0	38	57	47.5	40	63	51.5	42	63	52.5	41	62	51.5	40	60	50.0		
11/12	48	68	58.0	58	68	63.0	47	71	59.0	48	70	59.0	48	62	55.0	42	55	48.5	38	58	48.0	39	61	50.0	42	57	49.5	41	62	51.5	42	62	52.0	41	59	50.0		
11/13	53	70	61.5	49	71	60.0	49	70	59.5	50	63	56.5	41	56	48.5	36	58	47.0	38	61	49.5	42	61	51.5	43	57	50.0	42	57	49.5	42	58	50.0	41	56	48.5		
11/14	48	74	61.0	47	70	58.5	50	62	56.0	41	56	48.5	37	58	47.5	37	59	48.0	42	57	49.5	44	57	50.5	43	57	50.0	42	57	49.5	44	56	50.0	42	56	49.0		
11/15	46	72	59.0	57	61	59.0	39	57	48.0	36	59	47.5	37	59	48.0	42	54	48.0	43	53	48.0	43	57	50.0	42	65	53.5	42	59	50.5	41	59	50.0	41	57	49.0		
11/16	47	60	53.5	39	57	48.0	35	59	47.0	37	59	48.0	40	52	46.0	44	55	49.5	40	60	50.0	41	58	49.5	40	59	49.5	41	60	50.5	41	60	50.5	39	57	48.0		
11/17	39	61	50.0	37	61	49.0	36	59	47.5	42	53	47.5	47	57	52.0	43	61	52.0	40	59	49.5	44	56	50.0	37	60	48.5	40	59	49.5	40	58	49.0	40	57	48.5		
11/18	35	62	48.5	36	58	47.0	44	53	48.5	47	56	51.5	45	59	52.0	39	58	48.5	41	55	48.0	37	55	46.0	38	58	48.0	39	56	47.5	36	54	45.0	39	57	48.0		
11/19	36	60	48.0	45	52	48.5	43	55	49.0	42	58	50.0	39	58	48.5	42	56	49.0	36	52	44.0	42	54	48.0	42	53	47.5	38	55	46.5	40	56	48.0	41	58	49.5		
11/20	45	54	49.5	48	55	51.5	43	58	50.5	40	57	48.5	41	54	47.5	37	52	44.5	41	52	46.5	39	53	46.0	45	54	49.5	41	61	51.0	44	62	53.0	40	61	50.5		
11/21	48	58	53.0	50	57	53.5	38	55	46.5	41	53	47.0	36	51	43.5	43	54	48.5	40	53	46.5	40	53	46.5	40	54	47.0	38	58	48.0	41	56	48.5	38	60	49.0		
11/22	43	63	53.0	40	56	48.0	39	53	46.0	36	53	44.5	40	51	45.5	37	52	44.5	38	51	44.5	39	56	47.5	39	56	47.5	37	58	47.5	39	57	48.0	37	56	46.5		
11/23	40	53	46.5	44	53	48.5	35	54	44.5	41	51	46.0	38	51	44.5	37	52	44.5	38	56	47.0	39	58	48.5	36	57	46.5	39	55	47.0	35	58	46.5	38	58	48.0		
11/24	40	54	47.0	NR	53	-	41	52	46.5	39	51	45.0	36	52	44.0	38	54	46.0	37	54	45.5	37	53	45.0	34	55	44.5	37	58	47.5	37	57	47.0	37	61	49.0		
11/25	34	55	44.5	NR	52	-	40	52	46.0	36	54	45.0	40	54	47.0	36	54	45.0	37	53	45.0	34	51	42.5	40	58	49.0	41	63	52.0	43	63	53.0	40	61	50.5		
11/26	41	49	45.0	41	48	44.5	38	52	45.0	41	52	46.5	36	56	46.0	35	54	44.5	34	56	45.0	35	56	45.5	42	60	51.0	39	63	51.0	39	64	51.5	42	61	51.5		
11/27	41	49	45.0	35	52	43.5	42	52	47.0	36	56	46.0	34	53	43.5	35	54	44.5	35	55	45.0	38	62	50.0	35	62	48.5	37	58	47.5	32	54	43.0	37	56	46.5		
11/28	35	53	44.0	46	53	49.5	35	56	45.5	37	52	44.5	34	52	43.0	35	57	46.0	38	64	51.0	40	60	50.0	37	62	49.5	39	60	49.5	37	60	48.5	38	57	47.5		
11/29	40	55	47.5	36	57	46.5	36	52	44.0	33	53	43.0	34	55	44.5	38	64	51.0	39	57	48.0	39	52	45.5	34	54	44.0	33	55	44.0	34	59	46.5	37	62	49.5		
11/30	38	59	48.5	40	52	46.0	35	54	44.5	37	57	47.0	39	64	51.5	41	58	49.5	35	51	43.0	32	48	40.0	35	55	45.0	40	53	46.5	41	58	49.5	40	57	48.5		
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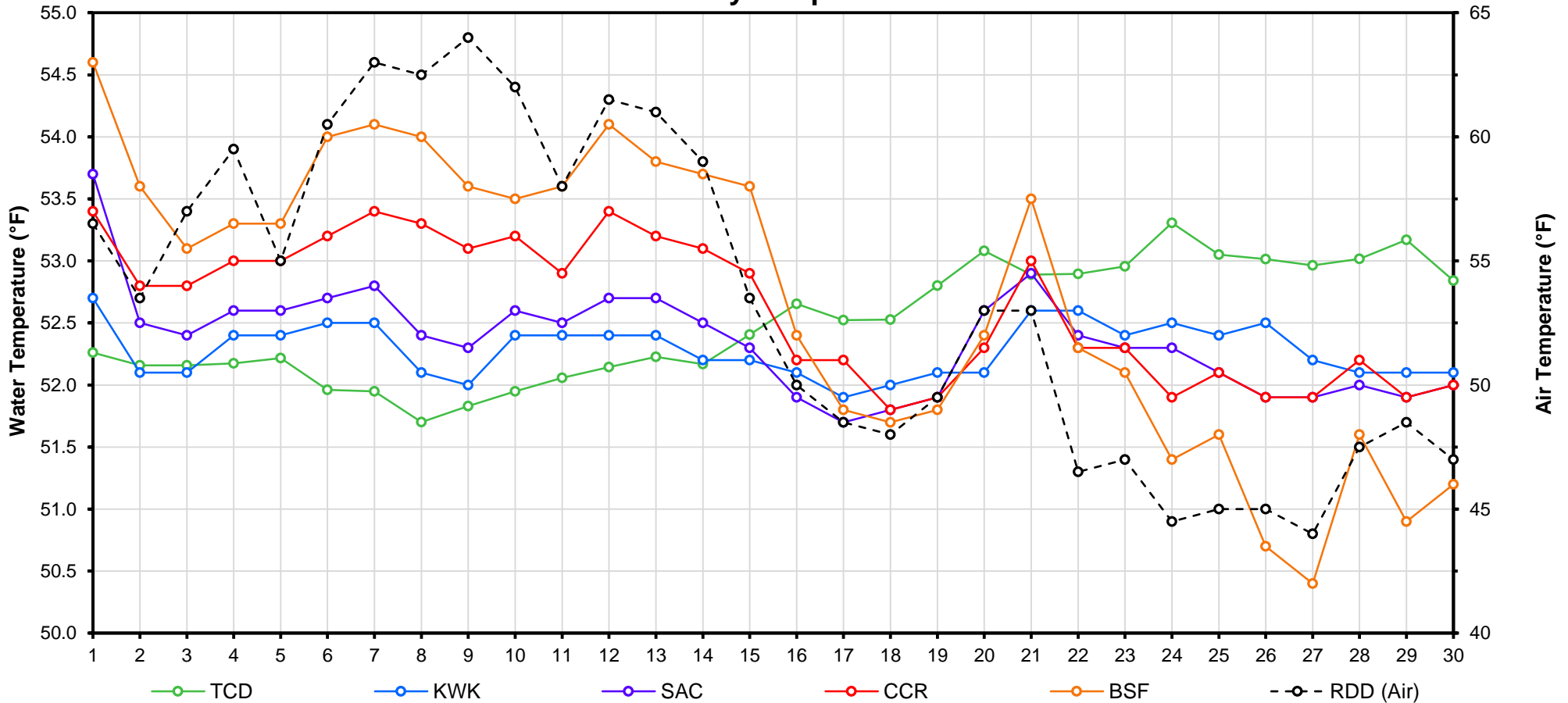
Web Links

- [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 <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>6/17 - Current</b>

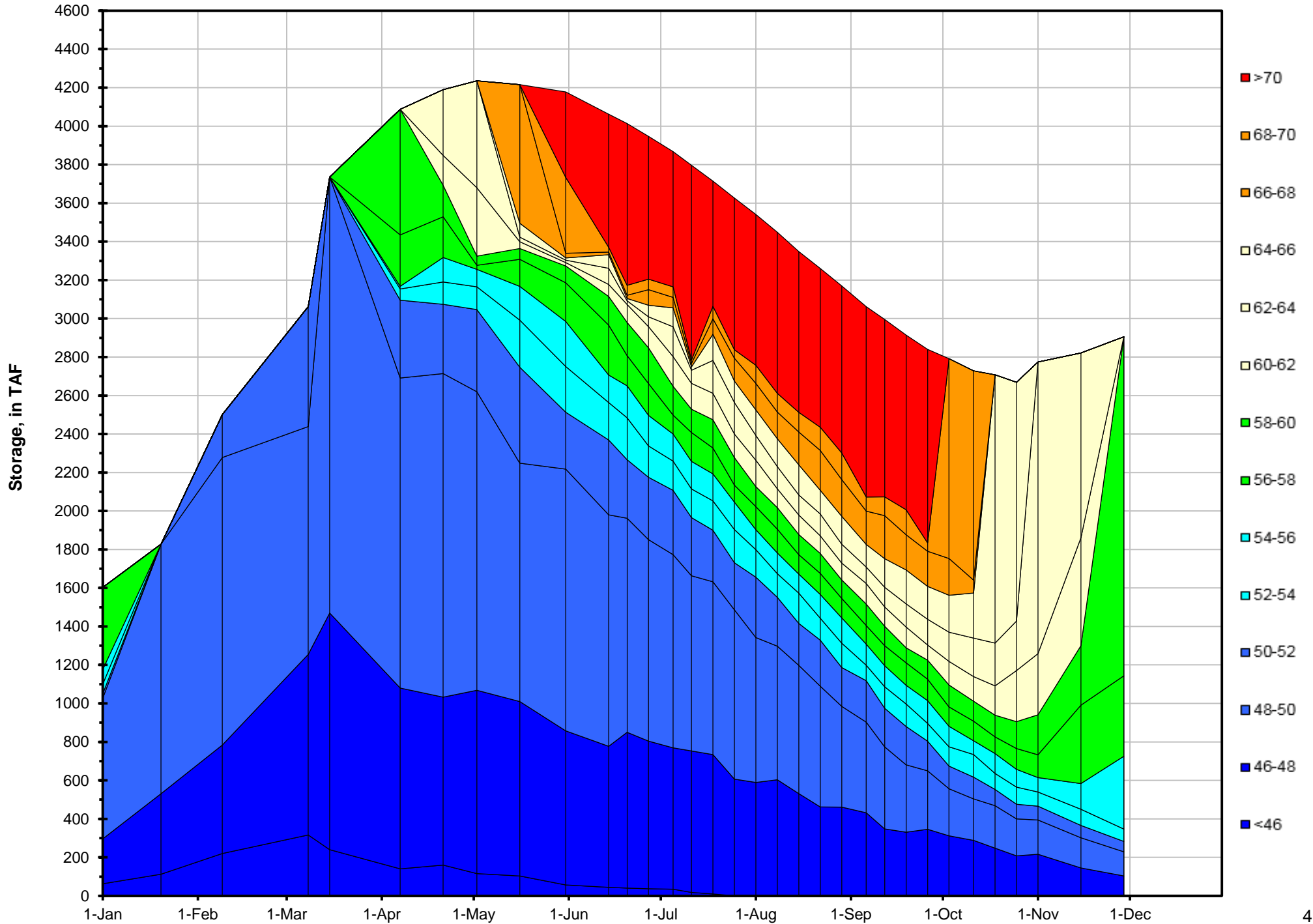
## Notes

<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 - 2016 (Water Temperature, in °F)



DATE	Daily Max		7DADM <sup>1</sup>		DAT <sup>2</sup>
	SAC	CCR	SAC	CCR	BSF
11/01	55.7	55.9	53.3	53.7	54.6
11/02	54.3	55.0	53.4	53.7	53.6
11/03	54.1	55.0	53.6	54.0	53.1
11/04	54.7	55.4	53.9	54.3	53.3
11/05	54.2	55.1	54.1	54.5	53.3
11/06	53.5	54.0	54.2	54.7	54.0
11/07	54.1	54.9	54.4	55.0	54.1
11/08	54.0	55.4	54.1	55.0	54.0
11/09	54.1	55.4	54.1	55.0	53.6
11/10	54.3	55.5	54.1	55.1	53.5
11/11	53.5	53.8	54.0	54.9	53.6
11/12	54.0	54.9	53.9	54.8	54.1
11/13	54.2	55.0	54.0	55.0	53.8
11/14	53.9	54.7	54.0	55.0	53.7
11/15	53.1	53.4	53.9	54.7	53.6
11/16	53.3	54.0	53.8	54.5	52.4
11/17	53.1	54.0	53.6	54.3	51.8
11/18	53.1	53.1	53.5	54.2	51.7
11/19	52.2	52.4	53.3	53.8	51.8
11/20	53.2	53.0	53.1	53.5	52.4
11/21	54.2	54.1	53.2	53.4	53.5
11/22	52.8	52.7	53.1	53.3	52.3
11/23	53.1	52.8	53.1	53.2	52.1
11/24	53.4	52.9	53.1	53.0	51.4
11/25	52.3	52.3	53.0	52.9	51.6
11/26	52.3	52.1	53.0	52.8	50.7
11/27	52.8	52.7	53.0	52.8	50.4
11/28	52.8	52.9	52.8	52.6	51.6
11/29	53.1	52.8	52.8	52.6	50.9
11/30	53.1	52.7	52.8	52.6	51.2
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**Notes**

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

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

