

Northern CVP Water Temperature Report

August - 2018

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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	----- ³	Shasta Generation	Spring Creek P.P.	Keswick Total	RDD	BSF	RDB	LWS
Jul	50.9	50.4	55.1	51.8	52.2	52.8	54.4	55.6	55.9	57.8	58.3	53.7	-	10557	1585	13046	86.8	81.2	81.5	76.5
08/01	52.3	52.1	# -	51.8	52.1	52.4	53.3	54.1	54.2	55.4	57.1	52.9	-	11702	-	12666	86.5	79.8	79.8	73.5
08/02	51.7	51.9	# -	52.4	52.8	53.3	54.7	55.8	56.0	57.2	57.1	53.1	-	12235	-	12272	85.5	79.0	77.4	74.1
08/03	51.9	51.9	# -	52.3	52.7	53.1	54.4	55.5	55.8	57.5	57.1	53.4	-	12115	-	12236	82.0	78.4	76.4	72.5
08/04	51.7	52.0	# -	52.4	52.8	53.2	54.4	55.4	55.7	57.2	57.0	53.8	-	11737	-	12237	80.5	77.0	77.3	70.3
08/05	51.9	52.2	# -	52.3	52.8	53.2	54.3	55.3	55.5	56.8	57.0	53.8	-	11678	-	11808	77.5	72.7	73.6	68.7
08/06	52.4	52.3	# -	52.7	53.1	53.5	54.6	55.5	55.7	56.8	57.2	54.1	-	11523	-	11579	81.5	75.4	76.6	71.1
08/07	52.4	52.0	# -	52.9	53.3	53.7	54.9	55.8	56.1	57.4	57.1	53.8	-	11778	-	11333	81.5	75.7	75.1	72.0
08/08	51.5	51.2	# -	52.7	53.2	53.7	55.2	56.3	56.5	57.9	57.4	53.5	-	10356	-	11333	83.0	76.4	76.6	71.5
08/09	52.1	51.2	# -	52.0	52.5	53.0	54.3	55.5	55.9	57.7	56.8	52.9	-	10510	-	11017	82.5	76.8	77.0	73.2
08/10	51.8	51.2	# -	52.3	52.8	53.3	54.5	55.5	55.7	57.2	57.0	52.3	-	9914	-	10840	86.0	79.8	81.4	75.4
08/11	52.3	51.4	# -	52.3	53.0	53.6	55.2	56.3	56.6	58.0	57.3 ?	52.3	-	10655	-	10588	83.5	79.0	78.8	75.9
08/12	52.4	51.4	# -	52.7	53.3	53.8	55.2	56.3	56.7	58.2	57.1	52.9	-	9963	-	10416	82.0	75.8	76.7	73.3
08/13	51.9	51.1	# -	52.6	53.2	53.7	55.3	56.5	56.9	58.5	56.8	53.3	-	10261	-	10410	81.5	75.3	75.5	73.0
08/14	51.9	50.9	# -	52.3	52.9	53.5	55.1	56.3	56.7	58.3	56.7	53.3	-	10347	-	10413	79.5	75.0	74.1	72.5
08/15	51.9	50.9	# -	52.2	52.7	53.2	54.9	56.1	56.5	58.2	57.2	53.0	-	9557	-	10138	82.0	75.5	73.9	73.5
08/16	!	50.8	# -	52.4	53.0	53.5	55.1	56.3	56.7	58.2	57.3	53.0	-	8988	-	9950	80.5	74.7	74.7	72.6
08/17																				
08/18																				
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Aug	52.0	51.5	-	52.4	52.9	53.4	54.7	55.8	56.1	57.5	57.1	53.2	-	10832	-	11202	82.2	76.6	76.6	72.7

Total CFS	173319	0	179236
Total AF	343771	0	355507

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 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		
08/01	71	102	86.5	73	102	87.5	65	100	82.5	64	100	82.0	63	97	80.0	61	96	78.5	62	96	79.0	62	100	81.0	69	106	87.5	69	102	85.5	68	100	84.0	67	100	83.5		
08/02	72	101	86.5	69	100	84.5	64	99	81.5	64	96	80.0	61	95	78.0	62	98	80.0	65	103	84.0	66	106	86.0	71	106	88.5	69	103	86.0	68	98	83.0	65	99	82.0		
08/03	69	102	85.5	66	99	82.5	64	96	80.0	64	95	79.5	62	99	80.5	63	102	82.5	65	104	84.5	67	106	86.5	70	107	88.5	70	104	87.0	68	99	83.5	65	98	81.5		
08/04	64	100	82.0	63	96	79.5	60	97	78.5	60	100	80.0	64	102	83.0	65	102	83.5	65	103	84.0	66	103	84.5	71	104	87.5	68	101	84.5	67	97	82.0	64	97	80.5		
08/05	63	98	80.5	63	96	79.5	62	101	81.5	66	105	85.5	66	103	84.5	66	103	84.5	67	102	84.5	66	103	84.5	68	105	86.5	67	104	85.5	68	100	84.0	67	100	83.5		
08/06	60	95	77.5	62	101	81.5	65	104	84.5	66	104	85.0	66	103	84.5	67	102	84.5	65	102	83.5	63	101	82.0	65	104	84.5	66	103	84.5	68	101	84.5	67	101	84.0		
08/07	61	102	81.5	66	104	85.0	66	104	85.0	66	103	84.5	65	99	82.0	65	101	83.0	65	101	83.0	64	100	82.0	66	100	83.0	66	99	82.5	66	97	81.5	65	97	81.0		
08/08	64	99	81.5	65	102	83.5	65	103	84.0	65	99	82.0	62	99	80.5	64	102	83.0	63	99	81.0	63	101	82.0	69	105	87.0	70	104	87.0	70	101	85.5	66	99	82.5		
08/09	65	101	83.0	66	103	84.5	65	101	83.0	62	99	80.5	63	101	82.0	65	99	82.0	64	99	81.5	64	98	81.0	68	101	84.5	68	102	85.0	68	100	84.0	67	101	84.0		
08/10	64	101	82.5	69	101	85.0	63	99	81.0	63	99	81.0	63	100	81.5	64	98	81.0	62	97	79.5	62	98	80.0	69	103	86.0	69	103	86.0	68	100	84.0	65	97	81.0		
08/11	67	105	86.0	67	102	84.5	62	100	81.0	63	99	81.0	64	98	81.0	63	98	80.5	62	100	81.0	64	103	83.5	68	106	87.0	69	105	87.0	69	101	85.0	66	99	82.5		
08/12	65	102	83.5	64	101	82.5	64	99	81.5	63	99	81.0	62	99	80.5	63	101	82.0	65	104	84.5	66	103	84.5	69	106	87.5	67	105	86.0	67	99	83.0	64	98	81.0		
08/13	64	100	82.0	65	100	82.5	62	99	80.5	62	100	81.0	62	100	81.0	63	102	82.5	65	103	84.0	66	104	85.0	68	106	87.0	67	104	85.5	66	99	82.5	65	98	81.5		
08/14	64	99	81.5	61	99	80.0	61	98	79.5	61	99	80.0	61	101	81.0	63	102	82.5	64	103	83.5	63	101	82.0	65	102	83.5	64	102	83.0	65	98	81.5	64	97	80.5		
08/15	60	99	79.5	66	97	81.5	60	98	79.0	61	100	80.5	63	103	83.0	64	102	83.0	62	101	81.5	62	100	81.0	63	101	82.0	64	103	83.5	64	97	80.5	64	97	80.5		
08/16	65	99	82.0	65	99	82.0	63	101	82.0	64	103	83.5	64	100	82.0	62	100	81.0	60	100	80.0	61	101	81.0	65	102	83.5	64	102	83.0	64	98	81.0	64	99	81.5		
08/17	63	98	80.5	64	101	82.5	63	105	84.0	64	103	83.5	61	100	80.5	59	98	78.5	59	100	79.5	61	100	80.5	65	100	82.5	65	100	82.5	66	97	81.5	63	96	79.5		
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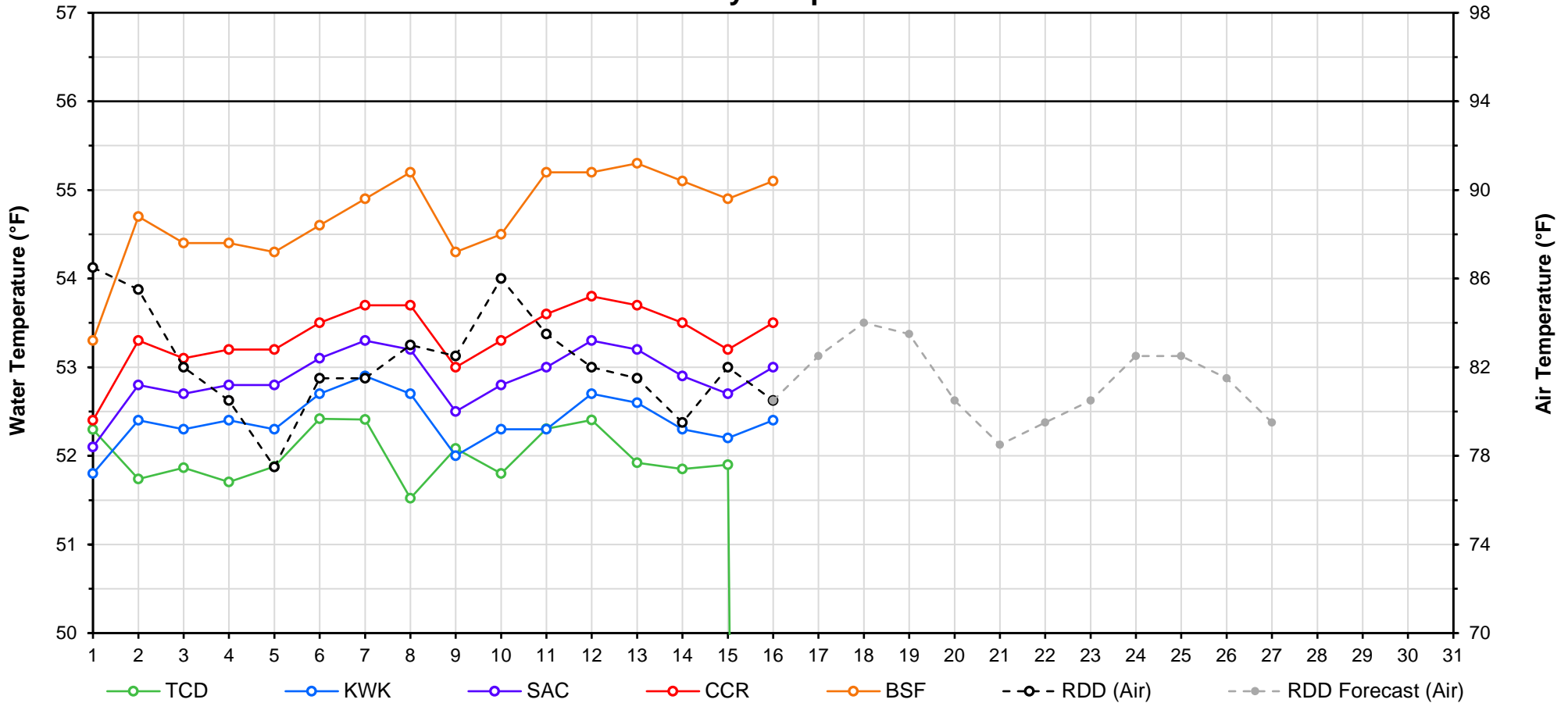
Web Links

- [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 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)	Begin Date
BSF	56.0	05/25/2018

Notes

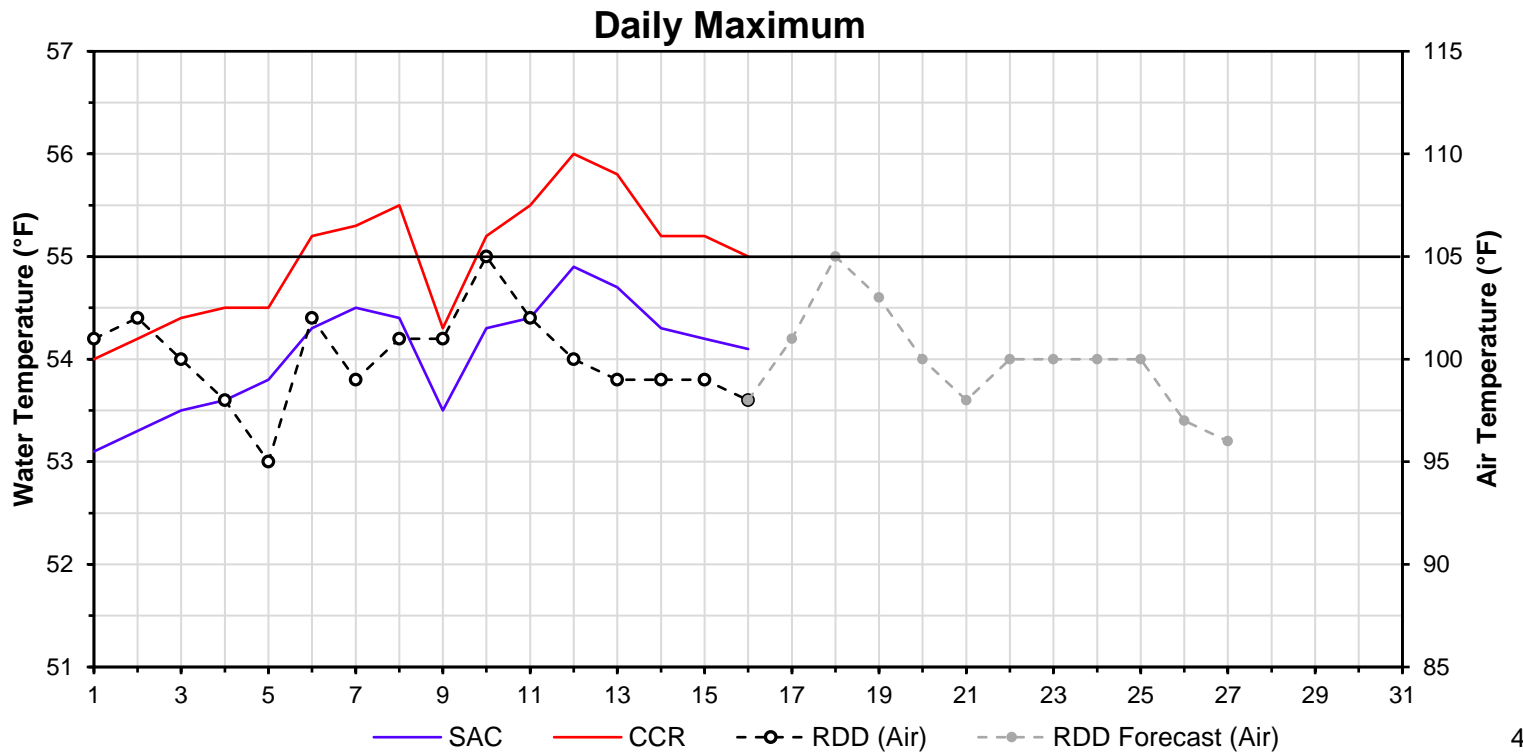
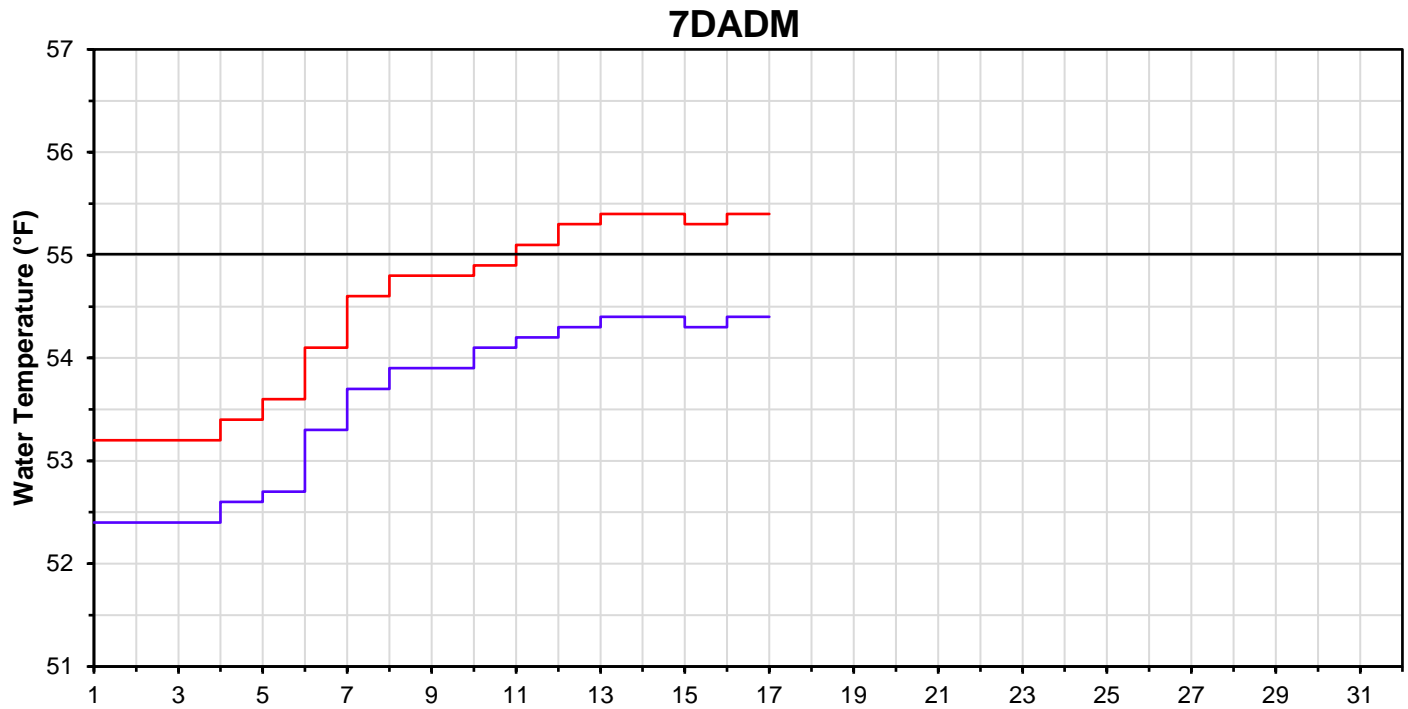
- ¹ Distances are approximate
- ² DGC is only reported in September
- ³ NFH is only reported in October, November and December

DATE	Daily Max		7DADM ¹		DAT ²
	SAC	CCR	SAC	CCR	BSF
08/01	53.1	54.0	52.4	53.2	53.3
08/02	53.3	54.2	52.4	53.2	54.7
08/03	53.5	54.4	52.4	53.2	54.4
08/04	53.6	54.5	52.6	53.4	54.4
08/05	53.8	54.5	52.7	53.6	54.3
08/06	54.3	55.2	53.3	54.1	54.6
08/07	54.5	55.3	53.7	54.6	54.9
08/08	54.4	55.5	53.9	54.8	55.2
08/09	53.5	54.3	53.9	54.8	54.3
08/10	54.3	55.2	54.1	54.9	54.5
08/11	54.4	55.5	54.2	55.1	55.2
08/12	54.9	56.0	54.3	55.3	55.2
08/13	54.7	55.8	54.4	55.4	55.3
08/14	54.3	55.2	54.4	55.4	55.1
08/15	54.2	55.2	54.3	55.3	54.9
08/16	54.1	55.0	54.4	55.4	55.1
08/17					
08/18					
08/19					
08/20					
08/21					
08/22					
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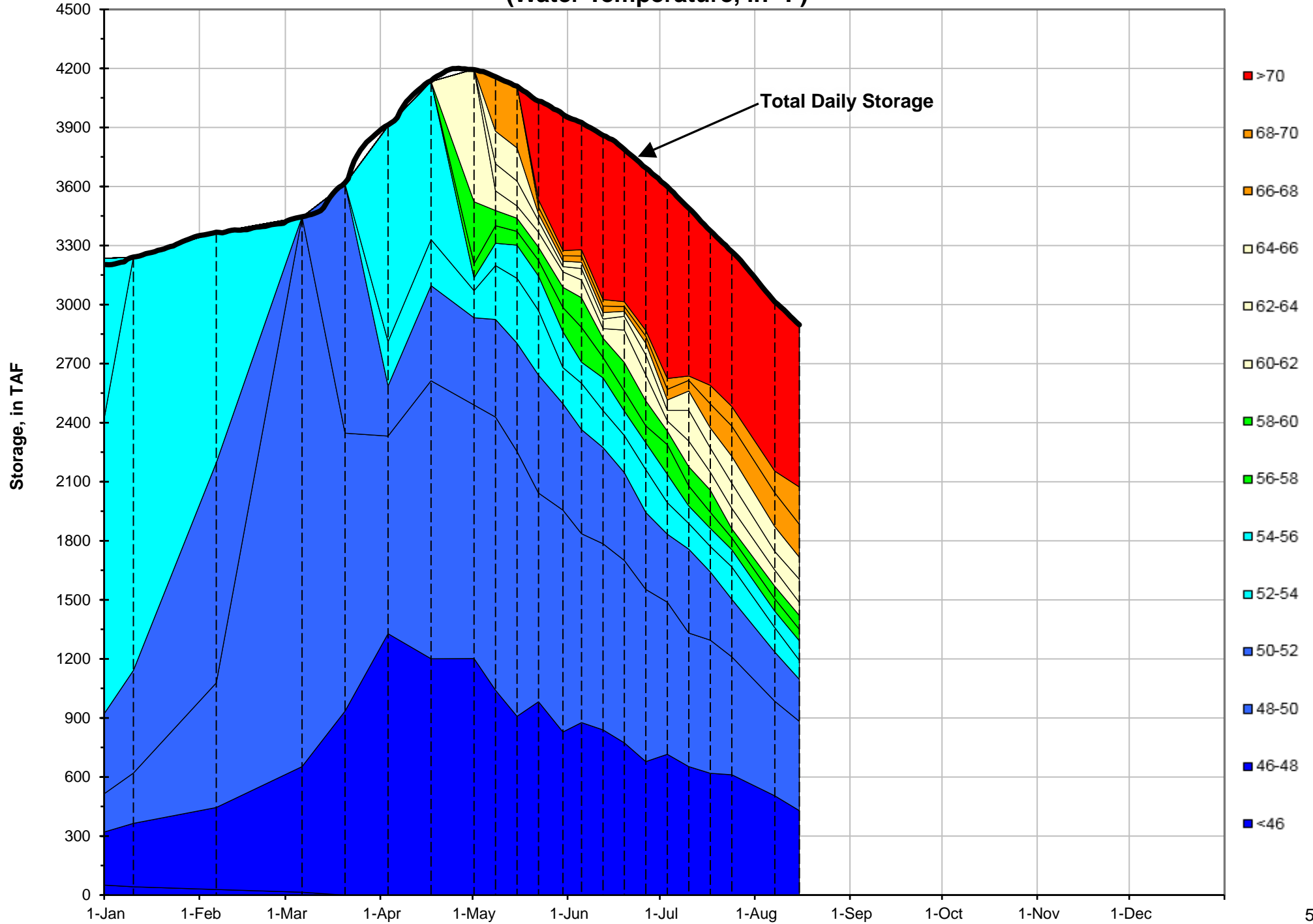
Notes

¹ 7DADM = 7-Day Average
Daily Maximum

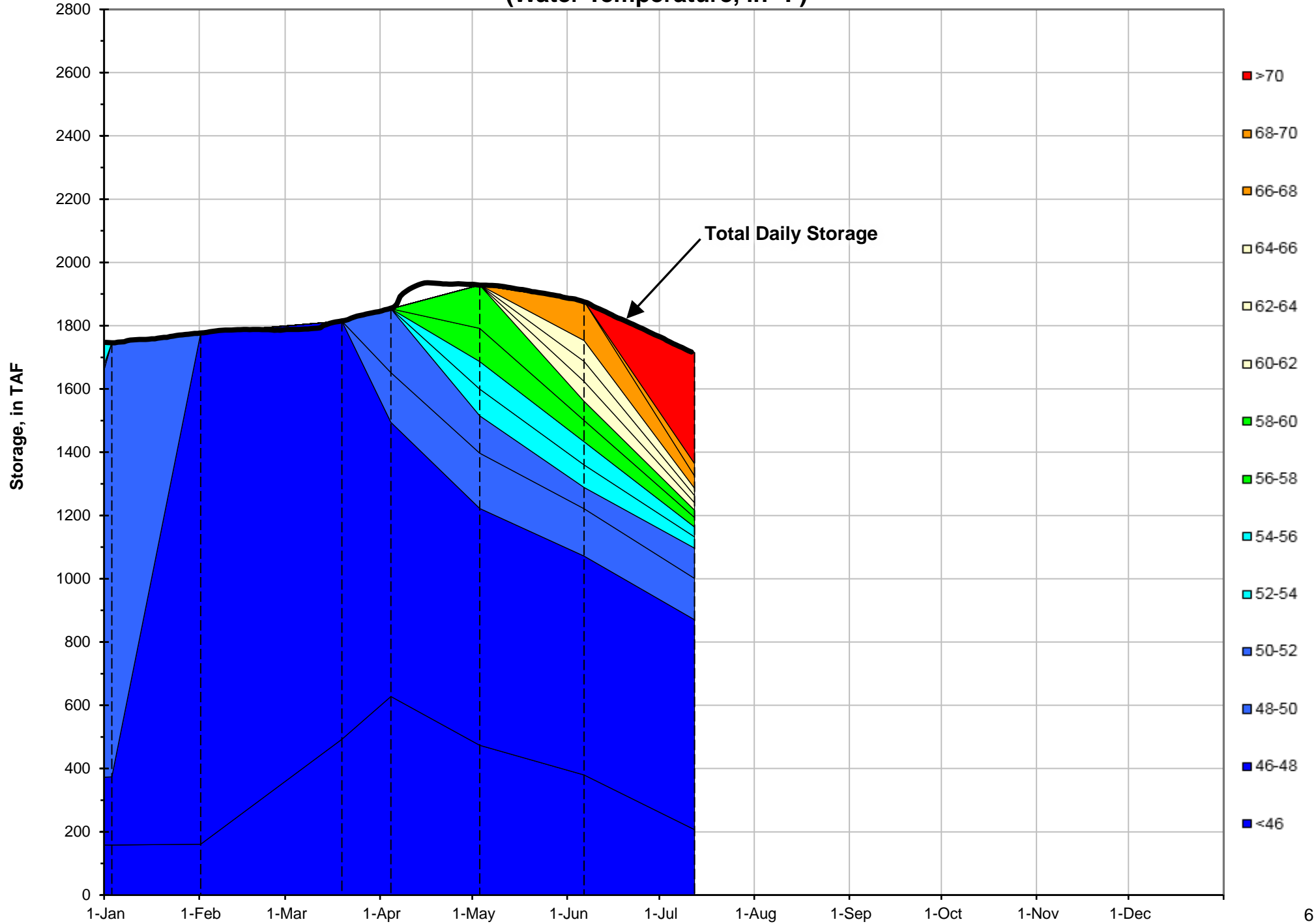
² DAT = Daily Average
Temperature



Shasta Lake Isothermobaths - 2018 (Water Temperature, in °F)



Trinity Lake Isothermobaths - 2018 (Water Temperature, in °F)



Whiskeytown Lake Isothermobaths - 2018 (Water Temperature, in °F)

