

Northern CVP Water Temperature Report

June - 2025

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— BUREAU OF —
RECLAMATION

All Data in this Report is Preliminary and Subject to Change

D A T E	Mean Daily Water Temperatures (°F)													Mean Daily Release (CFS)			Mean Daily Air Temperatures (°F)		
	TCD ¹	SHD	SPP ¹	KWK	SAC	CCR ²	BSF	BND	RDB	IGO	LWS	DGC	NFH	Shasta Generation	Spring Creek P.P.	Keswick Total	RDD	BSF	RDB
May	51.8	50.9	52.1	52.0	52.5	53.1	55.2	56.6	57.9	53.4	47.7	50.8	52.9	9676	779	10921	71.6	68.4	68.9
06/01	50.5	49.6	53.1	51.1	51.8	52.8	55.5	57.6	59.3	56.7	49.6	54.6	57.4	8535	425	8686	87.5	78.5	78.1
06/02	50.3	49.3	53.5	51.4	52.1	53.0	55.7	57.8	59.6	56.2	49.8	54.6	57.5	7360	996	8452	86.5	84.2	80.3
06/03	50.0	49.4	53.3	51.3	52.1	53.0	56.0	58.3	59.9	56.1	49.6	54.7	57.9	8042	521	8391	82.5	79.3	76.6
06/04	50.0	49.3	53.1	51.2	52.0	52.9	55.9	58.2	60.0	56.3	49.6	54.7	57.9	8516	298	8486	85.0	81.8	81.8
06/05	50.1	49.1	53.4	50.8	51.7	52.5	55.4	57.7	59.7	56.5	49.7	55.0	58.4	8124	520	8634	80.0	74.4	72.8
06/06	50.0	49.3	53.6	51.0	51.7	52.5	55.3	57.7	59.5	57.1	49.7	55.2	58.8	7528	1261	9064	84.0	76.7	73.3
06/07	50.2	49.1	53.5	51.3	51.9	52.7	55.5	57.8	59.7	57.7	49.8	55.6	59.3	7413	1003	9040	86.0	81.5	80.0
06/08	50.2	49.5	53.6	51.2	52.0	53.0	55.8	58.0	60.0	58.0	49.7	56.0	59.8	8184	626	9043	87.5	79.5	78.3
06/09	50.4	49.6	53.6	51.2	52.0	52.9	56.2	58.7	60.6	58.5	49.8	56.0	59.6	8562	604	9030	85.5	79.4	78.0
06/10	50.4	49.5	53.8	51.2	52.0	52.9	55.9	58.5	60.5	58.6	49.7	55.8	59.3	8362	644	8990	85.0	80.0	78.5
06/11	50.3	49.5	53.9	51.5	52.1	52.9	55.7	58.2	60.2	57.9	49.6	55.7	59.4	8224	1705	9984	80.0	75.5	68.6
06/12	50.4	49.8	53.8	51.2	51.9	52.6	55.3	57.3	59.2	55.8	49.8	55.4	58.8	8523	1114	9953	79.5	74.4	69.8
06/13	51.0	50.3	53.9	51.1	51.8	52.5	54.9	56.9	58.7	53.7	49.7	55.3	58.7	11145	1112	10366	77.5	74.5	72.3
06/14	50.7	49.9	54.1	51.5	51.8	52.3	54.2	56.1	57.8	53.0	49.5	54.9	58.5	9319	1202	10496	74.5	69.9	70.8
06/15	50.8	50.0	54.3	51.4	52.0	52.6	54.6	56.0	57.5	53.3	49.0	54.6	58.5	9300	1629	10910	77.0	71.6	71.0
06/16	51.1	50.4	54.3	51.4	51.9	52.5	54.3	56.0	57.7	53.3	48.6	54.5	58.4	10896	1269	11353	77.0	73.2	69.4
06/17	51.1	50.3	54.5	51.6	52.1	52.7	54.5	56.1	57.6	53.5	48.7	54.3	58.1	10477	1140	11431	79.5	78.1	74.7
06/18	51.5	50.7	54.5	51.7	52.2	52.8	54.8	56.5	58.1	54.2	48.6	55.1	59.2	11714	443	11978	85.0	79.7	80.6
06/19	52.1	50.9	54.9	51.9	52.2	52.9	54.7	56.3	58.1	54.5	48.9	55.0	58.9	11623	1193	12876	79.5	75.0	76.2
06/20	52.3	51.2	55.0	52.4	52.6	53.2	54.6	56.0	57.6	54.2	48.8	54.4	57.8	9348	1045	12921	71.5	68.4	68.0
06/21	52.6	50.7	55.1	52.4	52.6	53.0	54.4	55.6	56.8	54.2	49.3	53.5	56.8	9833	937	12768	70.5	67.4	67.0
06/22	52.7	51.3	55.1	52.1	52.4	52.9	54.4	55.7	57.0	54.6	49.3	54.1	57.4	11572	1153	12262	73.5	70.4	69.5
06/23	50.5	49.8	55.3	52.4	52.7	53.3	54.9	56.0	57.3	55.5	48.8	54.7	58.7	11811	1302	13049	81.5	74.8	75.2
06/24	49.6	48.7	55.6	50.8	51.9	52.4	54.8	56.5	58.0	56.4	48.6	55.1	59.5	11595	1717	12901	79.5	74.4	73.8
06/25	49.7	48.8	55.5	50.2	51.0	51.3	53.3	55.0	57.0	57.1	48.5	55.6	60.0	12041	1231	12880	79.0	74.3	73.3
06/26	49.8	48.8	55.8	50.4	51.0	51.5	53.3	54.9	56.6	57.8	48.6	55.8	60.2	11747	1558	12905	80.5	77.5	74.8
06/27	49.7	48.8	55.8	50.5	51.1	51.6	53.5	55.2	56.8	58.4	49.0	56.4	61.0	11699	1523	12903	83.0	80.6	77.7
06/28	49.7	48.8	55.9	50.4	51.1	51.6	53.8	55.5	57.2	59.0	49.1	57.2	62.2	11901	767	12899	90.5	82.9	82.0
06/29	49.7	48.8	56.1	50.4	50.9	51.5	53.5	55.3	57.2	59.0	49.1	57.5	63.1	11219	1653	12906	89.0	82.8	79.0
06/30	50.1	49.0	56.1	50.5	51.1	51.7	53.7	55.6	57.4	59.1	49.0	57.5	62.6	11743	1344	12936	86.5	80.6	76.6
-																			
Jun	50.6	49.7	54.5	51.2	51.9	52.5	54.8	56.7	58.4	56.2	49.2	55.3	59.1	9879	1065	10950	81.5	76.7	74.9

Total CFS	296356	31935	328493
Total AF	587810	63342	651552

Legend

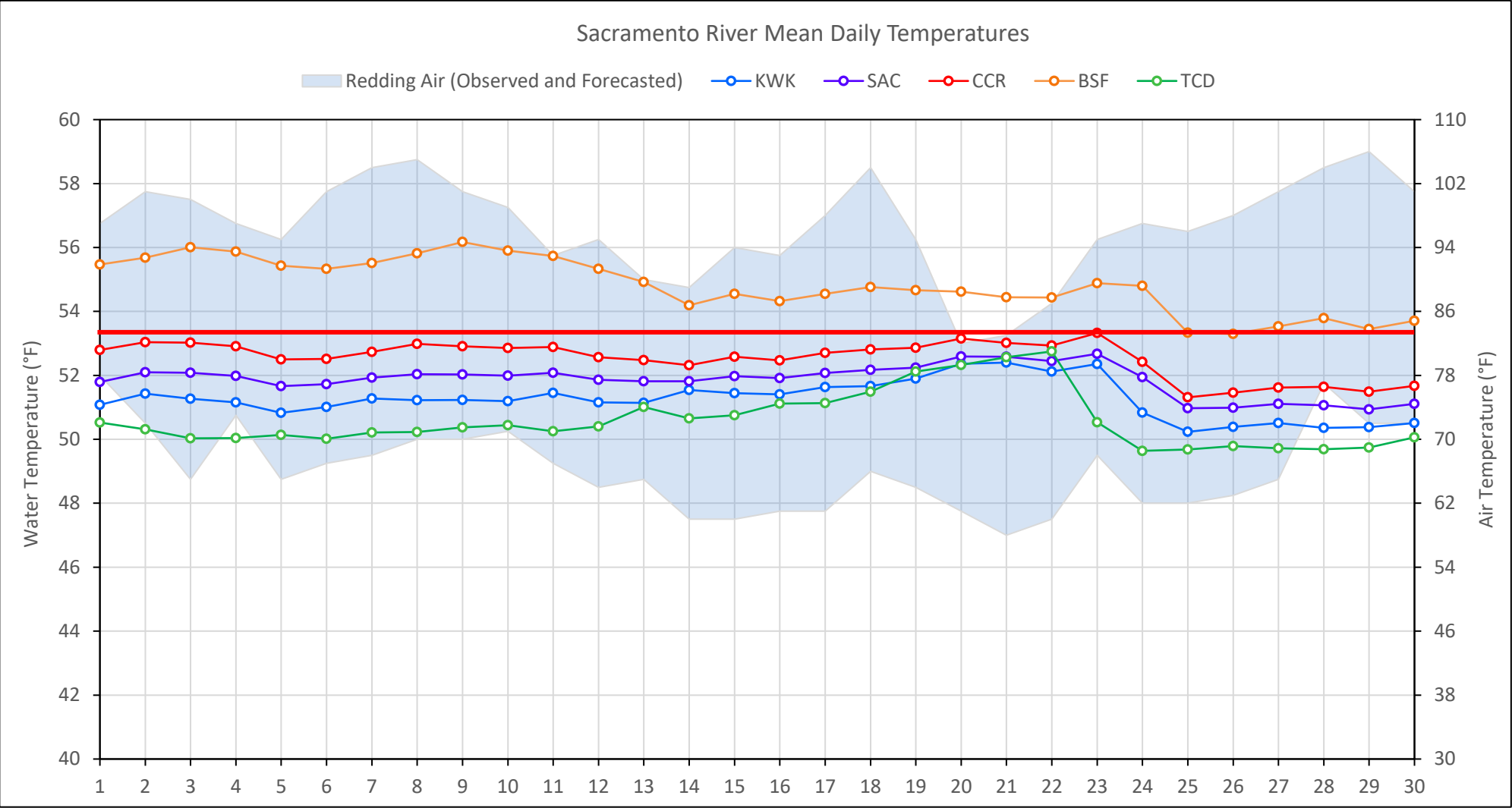
Notes

- ? = 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 Clear Creek River control point (see page 3 for more details)



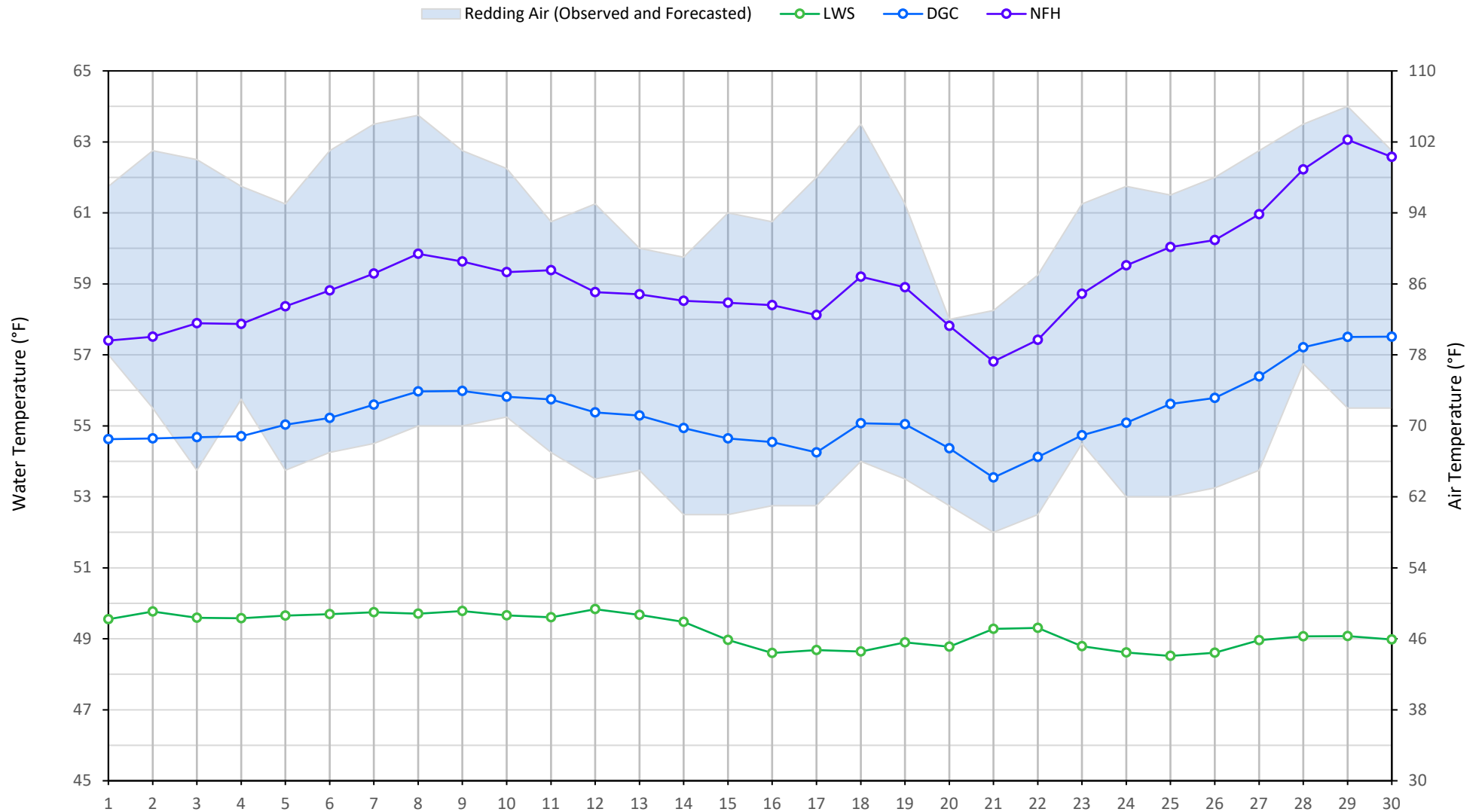
Station Details			
Code	Body of Water	Location ¹	CDEC Link
TCD	N/A	Shasta Power Plant	N/A
SHD	Sacramento River	0.3 miles downstream of Shasta Power Plant	Click Here
SPP	N/A	Spring Creek Power Plant	N/A
KWK	Sacramento River	0.8 miles downstream of Keswick Dam	Click Here
SAC	Sacramento River	4.8 miles 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

Water Right Temperature Control Points				
River	Point	Temp. (°F)	Begin Date	End Date
Sacramento	CCR	58.0	3/1/2025	5/14/2025
Sacramento	CCR	53.5	5/15/2025	TBD

Notes

¹ Distances are approximate

Trinity River Mean Daily Temperatures



Station Details

Code	Body of Water	Location ¹	CDEC Link
LWS	Trinity River	1.1 miles downstream of Lewiston Dam	Click Here
DGC	Trinity River	19 miles downstream of Lewiston Dam	Click Here
NFH	Trinity River	38 miles downstream of Lewiston Dam	Click Here

Water Right Temperature Control Points

River	Point	Temp. (°F)	Begin Date	End Date
Trinity	DGC	56	Sep-15	Oct-01
Trinity	NFH	56	Oct-01	Dec-31

Notes

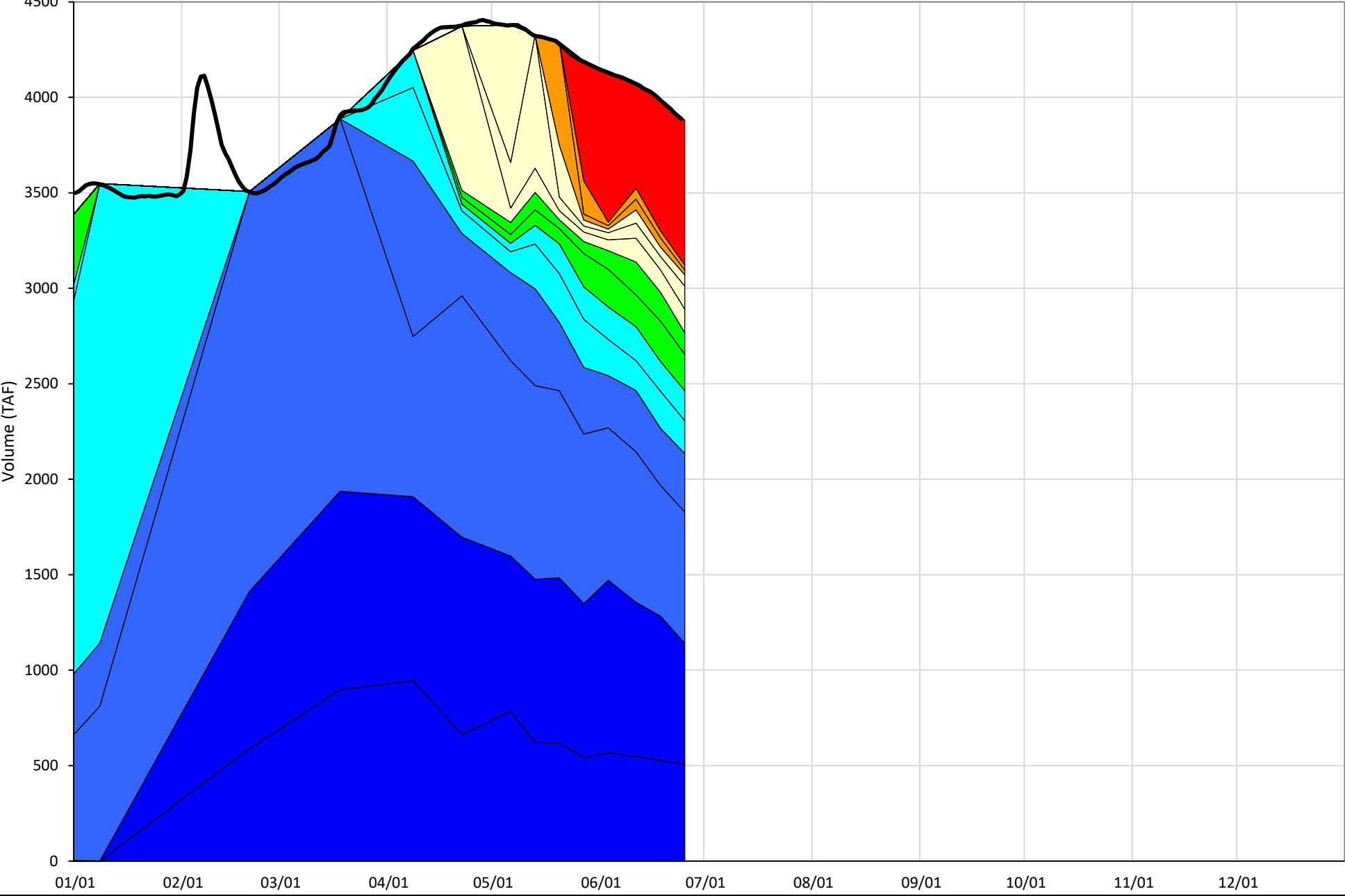
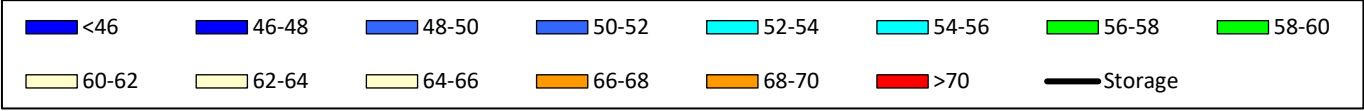
¹ Distances are approximate

Shasta Lake Isothermobaths & Cold Water Pool Statistics

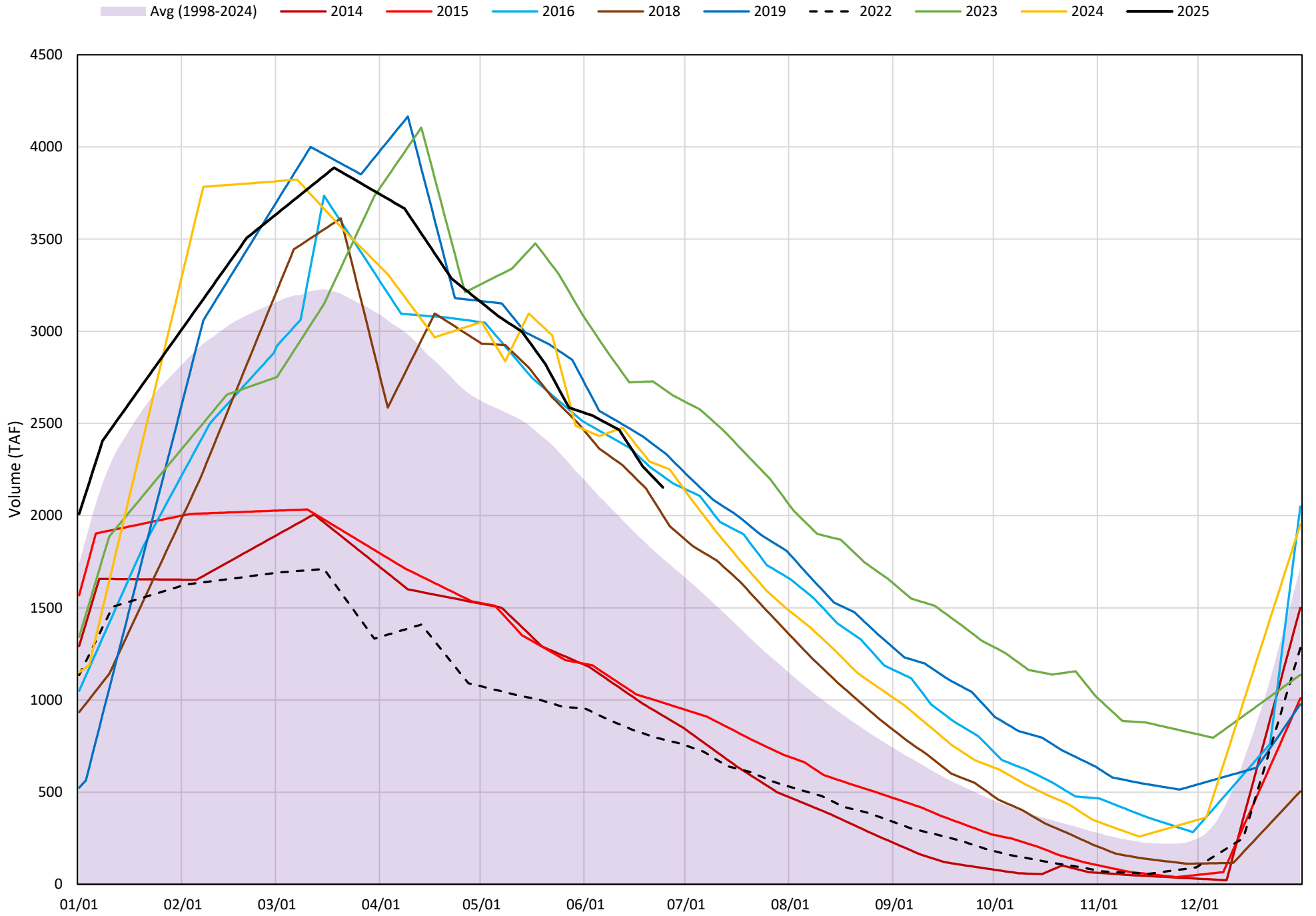
2025

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10	- Shasta Lake Cold Water Pool Volume $\leq 52^{\circ}\text{F}$ - Percent Exceedances
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12	- Shasta Lake Cold Water Pool Volume $\leq 48^{\circ}\text{F}$ - Percent Exceedances
13	- Shasta Lake Cold Water Pool Comparison by Year

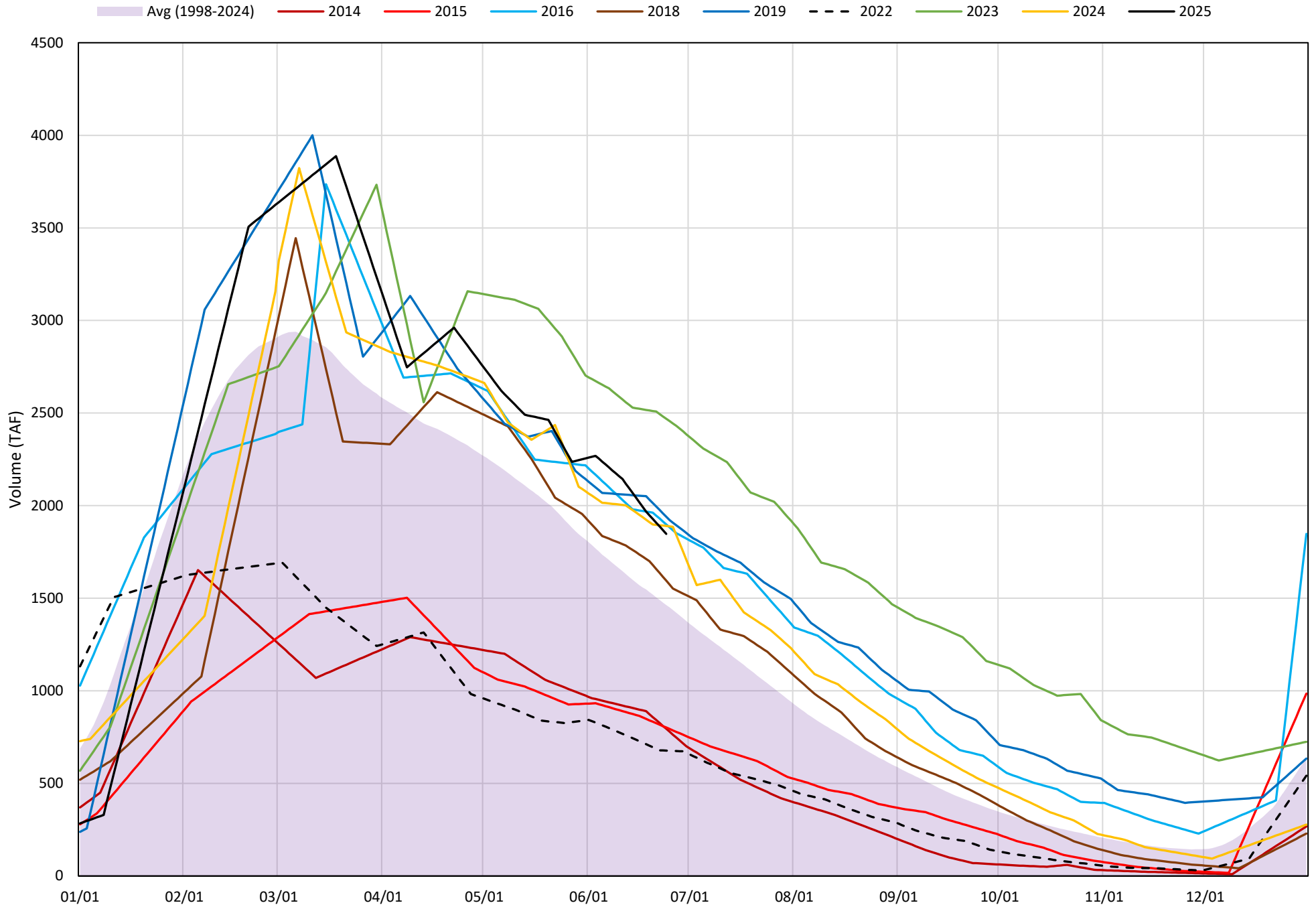
Shasta Lake Isothermobaths Plot - 2025



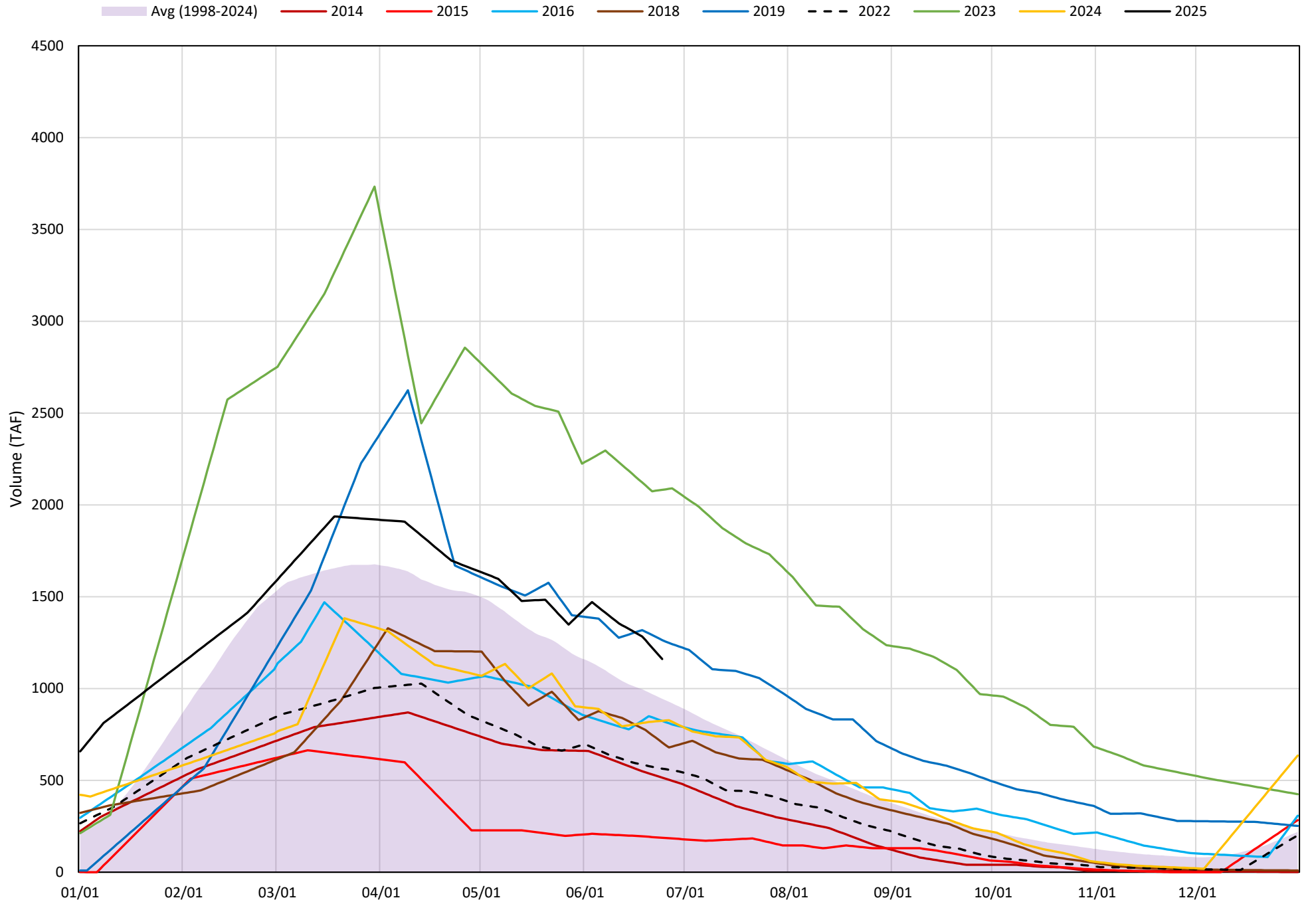
Shasta Lake Cold Water Pool Volume ≤52°F



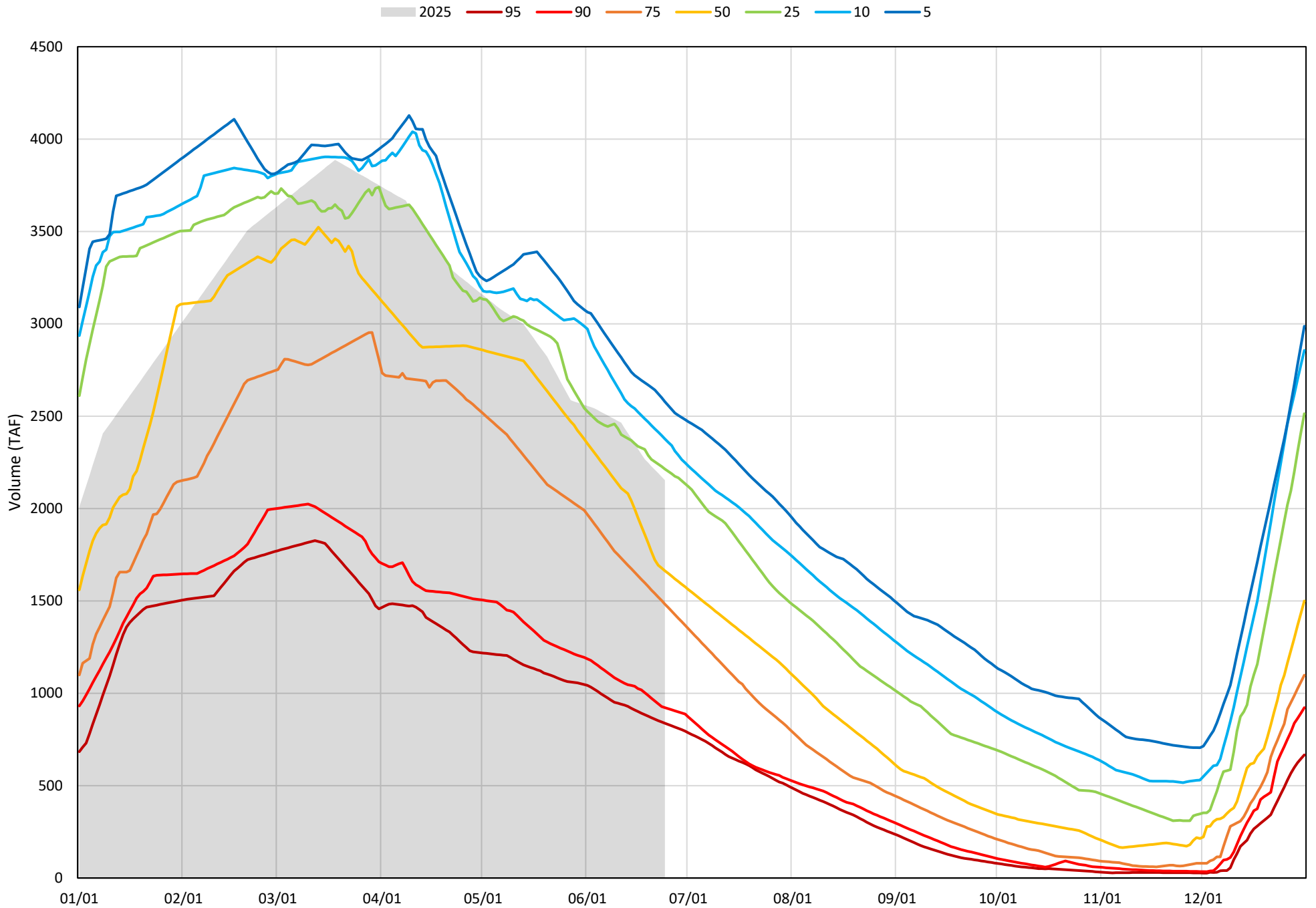
Shasta Lake Cold Water Pool Volume ≤50°F



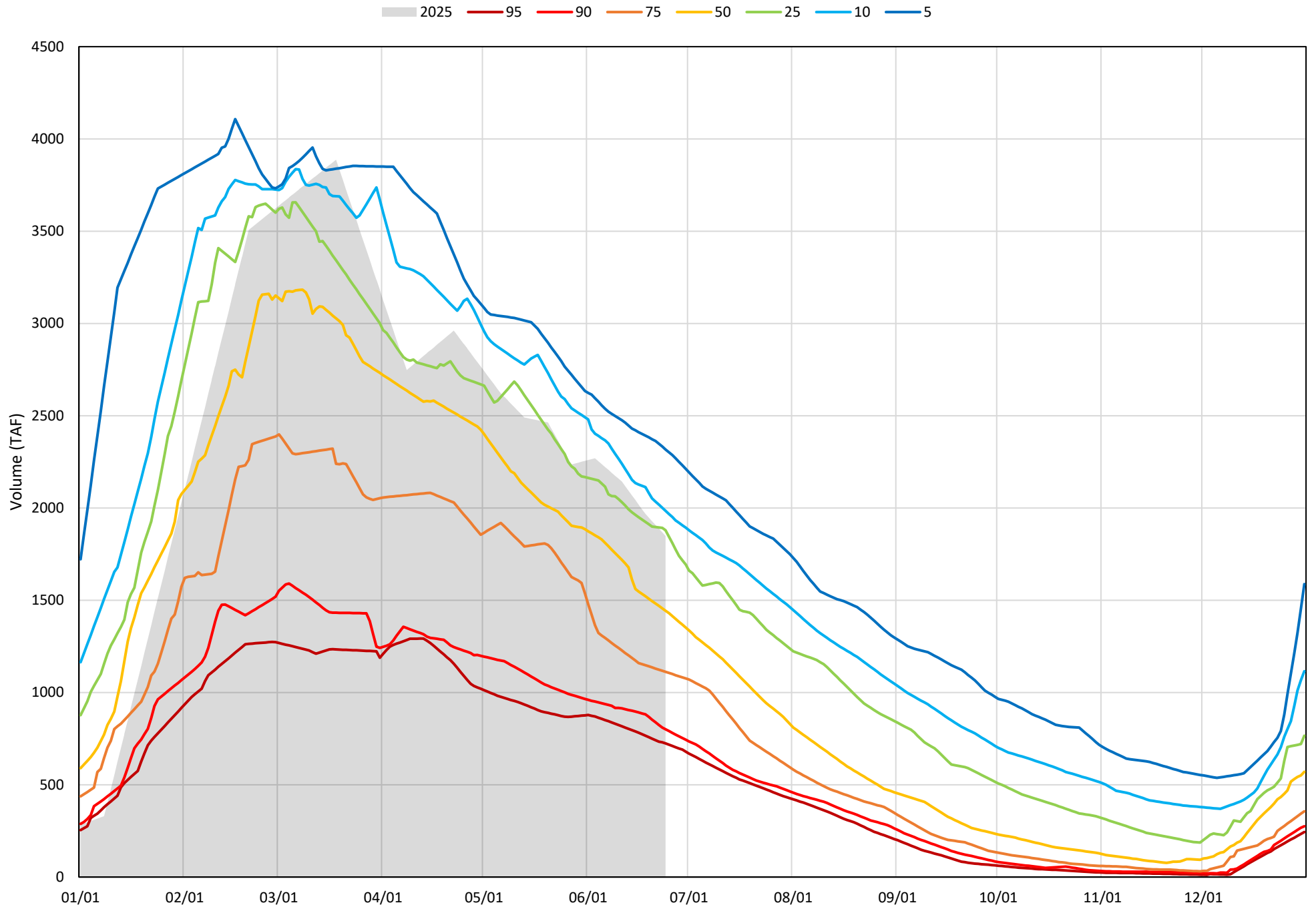
Shasta Lake Cold Water Pool Volume ≤48°F



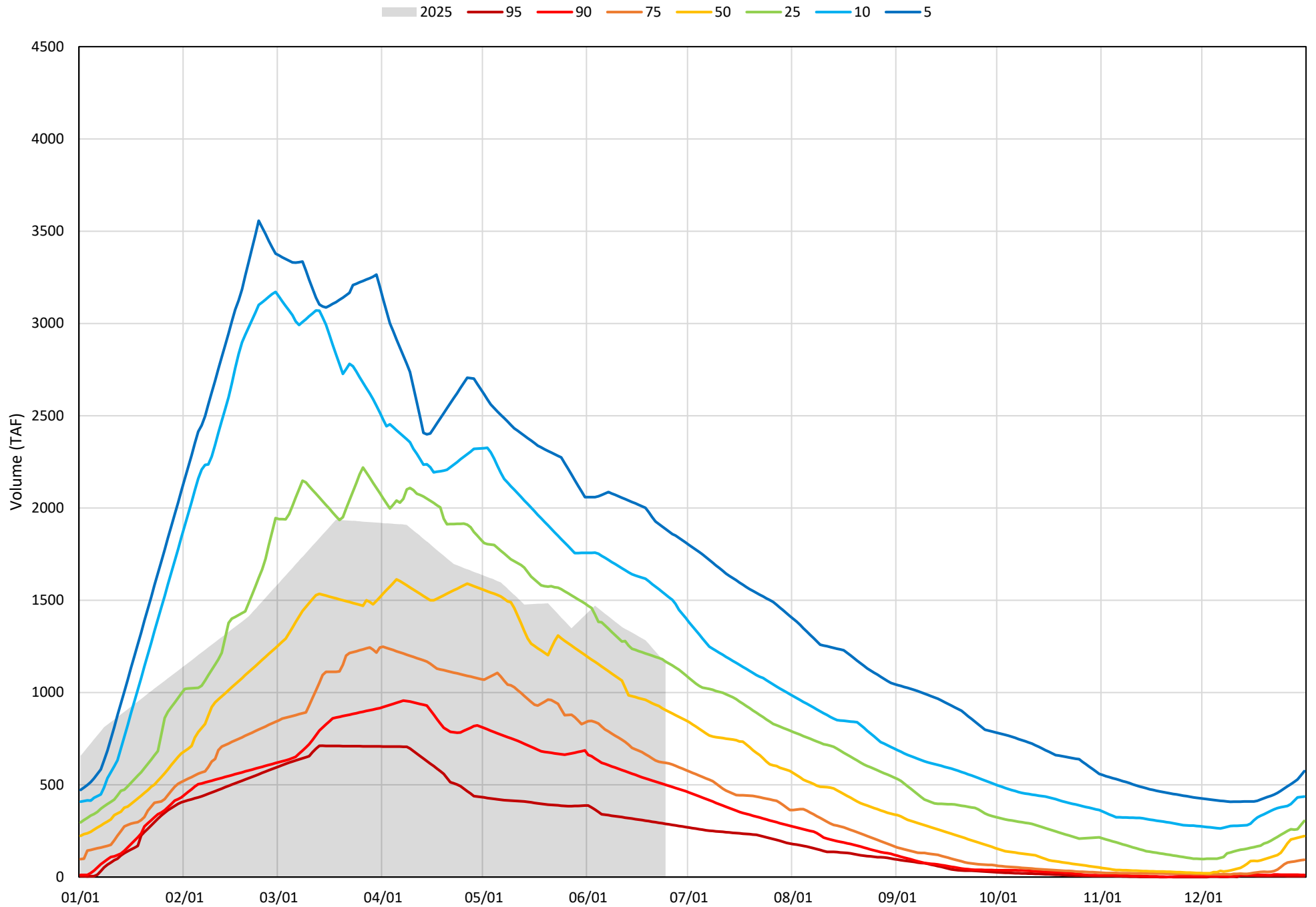
Shasta Lake Cold Water Pool Volume $\leq 52^{\circ}\text{F}$ - Percent Exceedances (1998-2024)



Shasta Lake Cold Water Pool Volume $\leq 50^{\circ}\text{F}$ - Percent Exceedances (1998-2024)



Shasta Lake Cold Water Pool Volume $\leq 48^{\circ}\text{F}$ - Percent Exceedances (1998-2024)



Shasta Lake Cold Water Pool Comparison by Year (for Specified Date)

Jun-25 2025	Δ TAF				% Δ			
	$\leq 52^\circ$	$\leq 50^\circ$	$\leq 48^\circ$	Abs. Avg.	$\leq 52^\circ$	$\leq 50^\circ$	$\leq 48^\circ$	Abs. Avg.
1998	-208	-458	-410	359	-10	-25	-35	23
1999	-25	32	432	163	-1	2	37	13
2000	-537	-611	-557	568	-25	-33	-48	35
2001	-537	-405	14	319	-25	-22	1	16
2002	-233	-168	8	136	-11	-9	1	7
2003	-490	-824	-721	678	-23	-45	-62	43
2004	-671	-634	-259	521	-31	-34	-22	29
2005	-541	-566	-535	548	-25	-31	-46	34
2006	-93	-144	-36	91	-4	-8	-3	5
2007	-504	-375	-45	308	-23	-20	-4	16
2008	-977	-782	-256	671	-45	-42	-22	37
2009	-833	-736	-237	602	-39	-40	-20	33
2010	107	-81	-50	79	5	-4	-4	5
2011	258	110	355	241	12	6	31	16
2012	215	240	132	196	10	13	11	11
2013	-593	-452	-136	394	-28	-24	-12	21
2014	-1238	-1053	-645	979	-58	-57	-56	57
2015	-1168	-1046	-973	1062	-54	-57	-84	65
2016	61	51	-337	149	3	3	-29	12
2017	-7	-202	-65	91	0	-11	-6	6
2018	-152	-253	-454	287	-7	-14	-39	20
2019	194	92	104	130	9	5	9	8
2020	-519	-559	-541	540	-24	-30	-47	34
2021	-1229	-1044	-615	963	-57	-57	-53	56
2022	-1367	-1171	-597	1045	-63	-63	-51	59
2023	537	622	922	693	25	34	79	46
2024	112	42	-336	163	5	2	-29	12
2025	0	0	0	0	0	0	0	0

Historical - Current

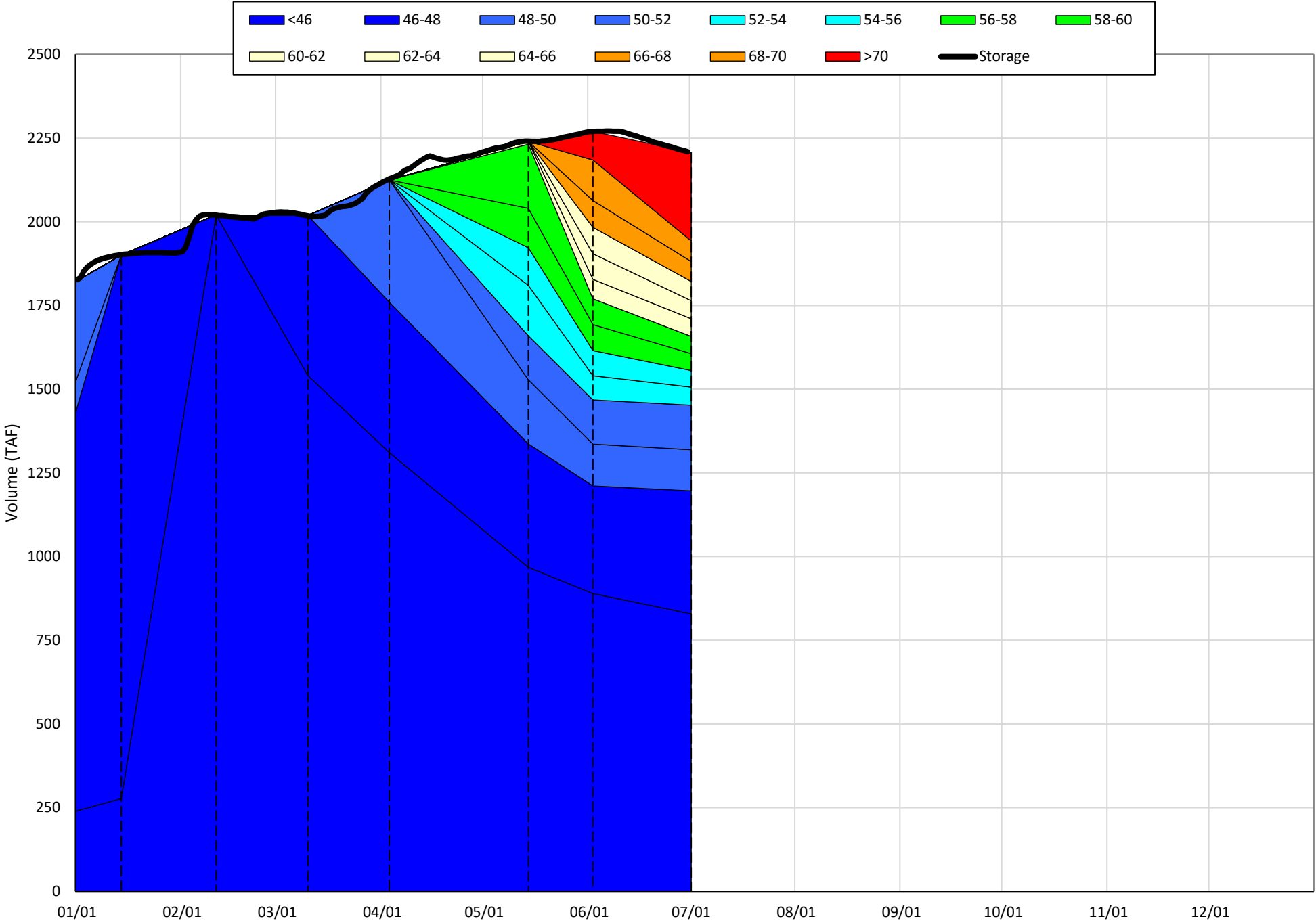
(Historical - Current) / Current

Trinity Lake Isothermobaths & Cold Water Pool Statistics

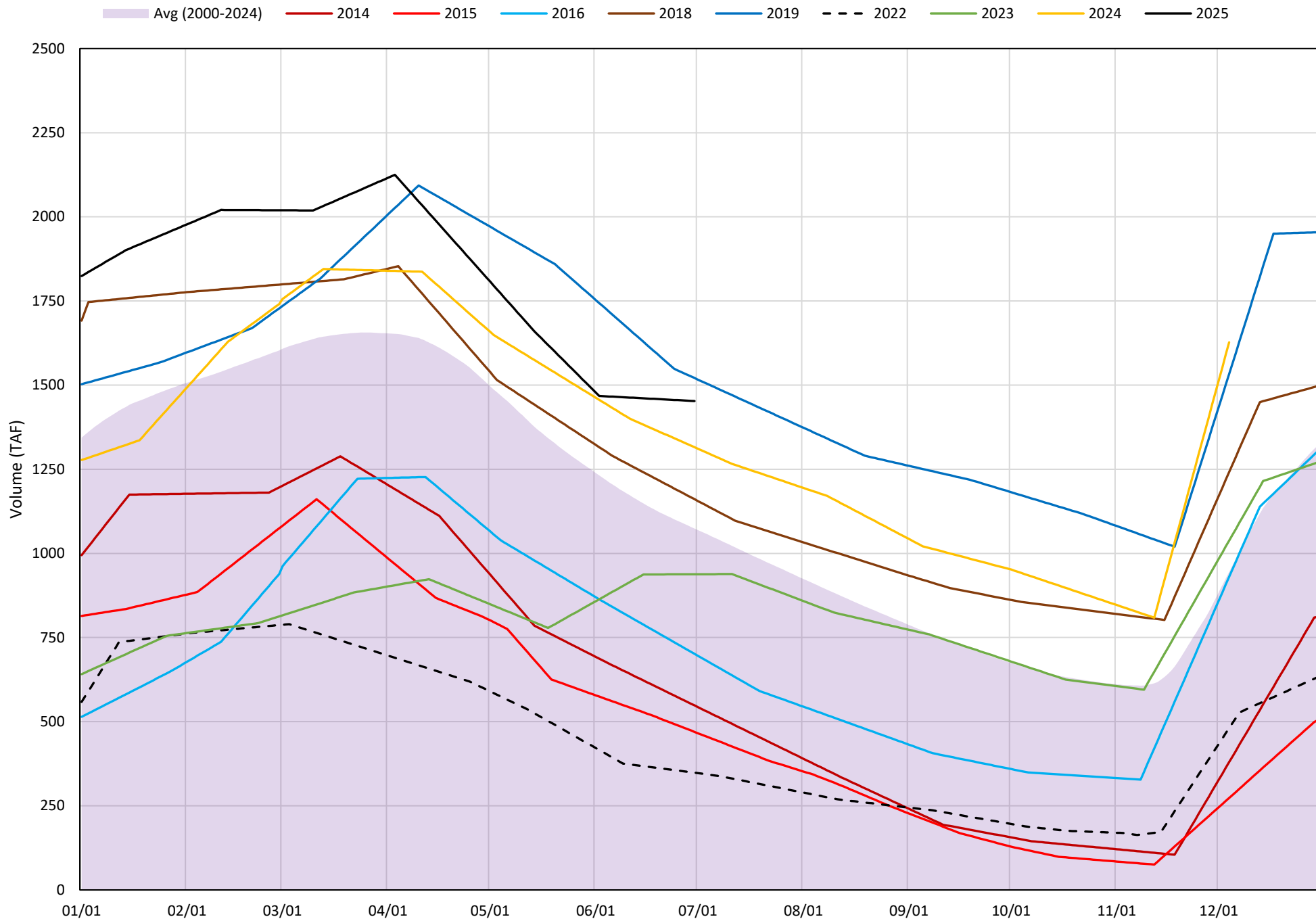
2025

Page	Description
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19	- Trinity Lake Cold Water Pool Volume $\leq 52^{\circ}\text{F}$ - Percent Exceedances
20	- Trinity Lake Cold Water Pool Volume $\leq 50^{\circ}\text{F}$ - Percent Exceedances
21	- Trinity Lake Cold Water Pool Volume $\leq 48^{\circ}\text{F}$ - Percent Exceedances
22	- Trinity Lake Cold Water Pool Comparison by Year

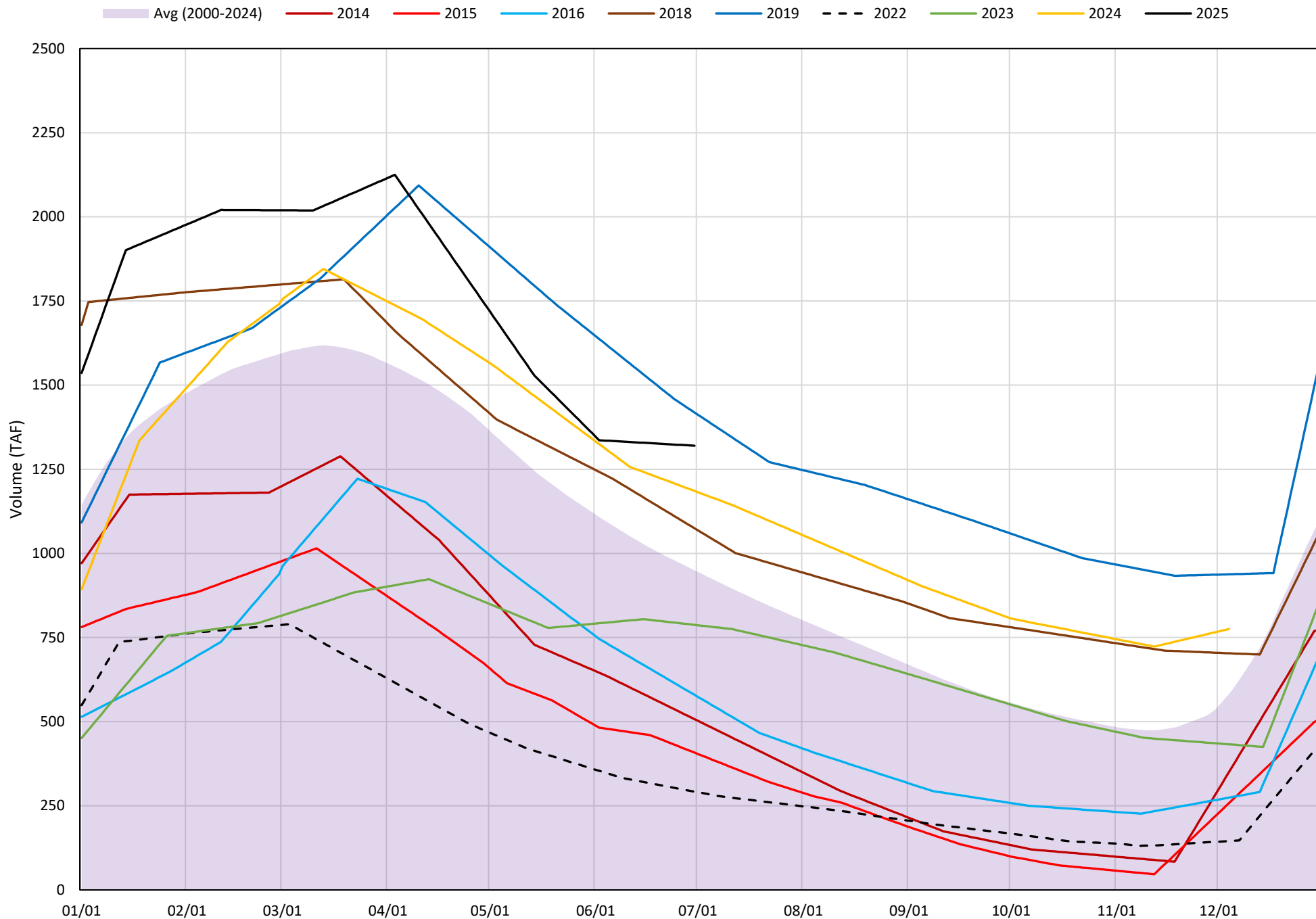
Trinity Lake Isothermobaths Plot - 2025



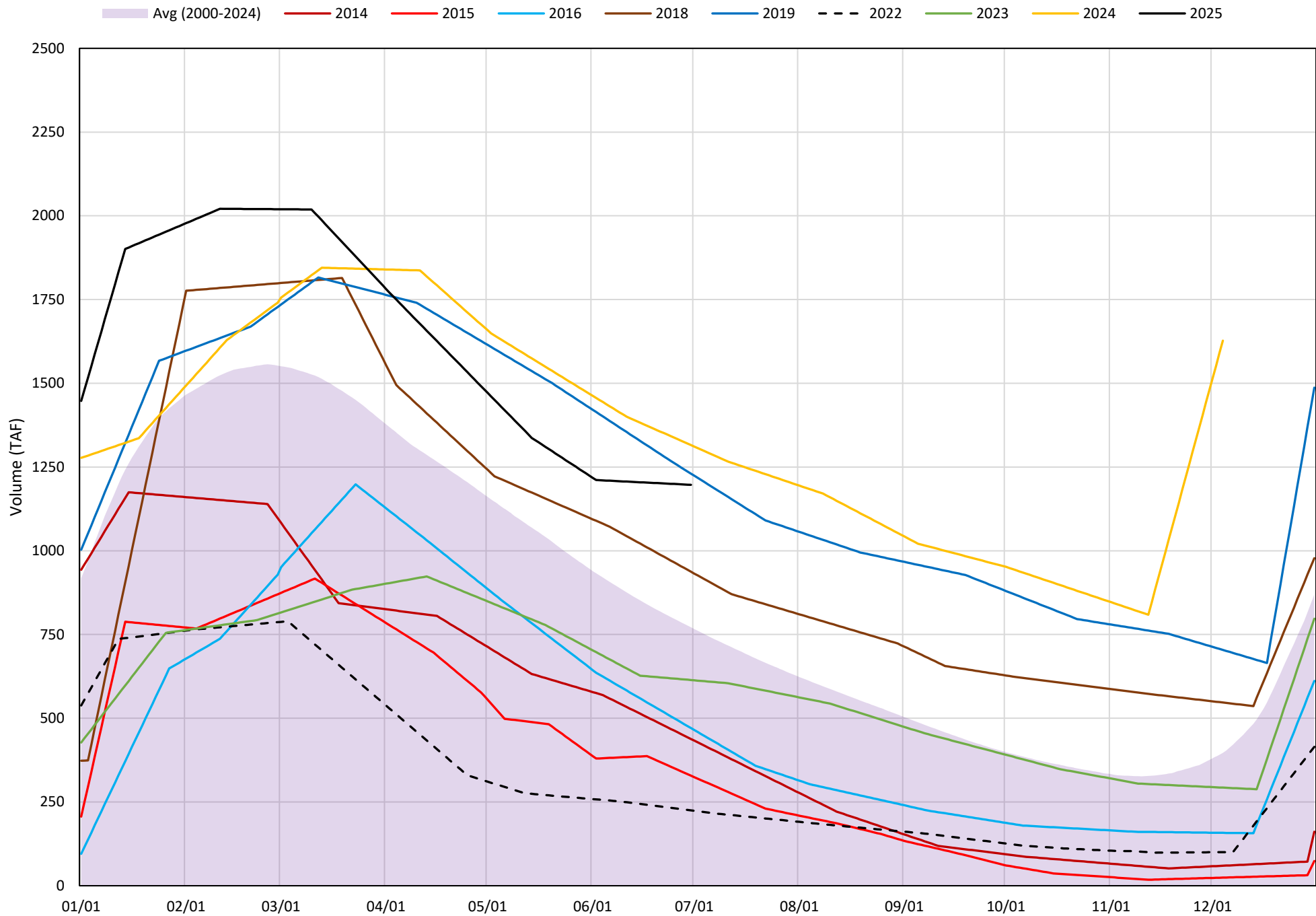
Trinity Lake Cold Water Pool Volume ≤52°F



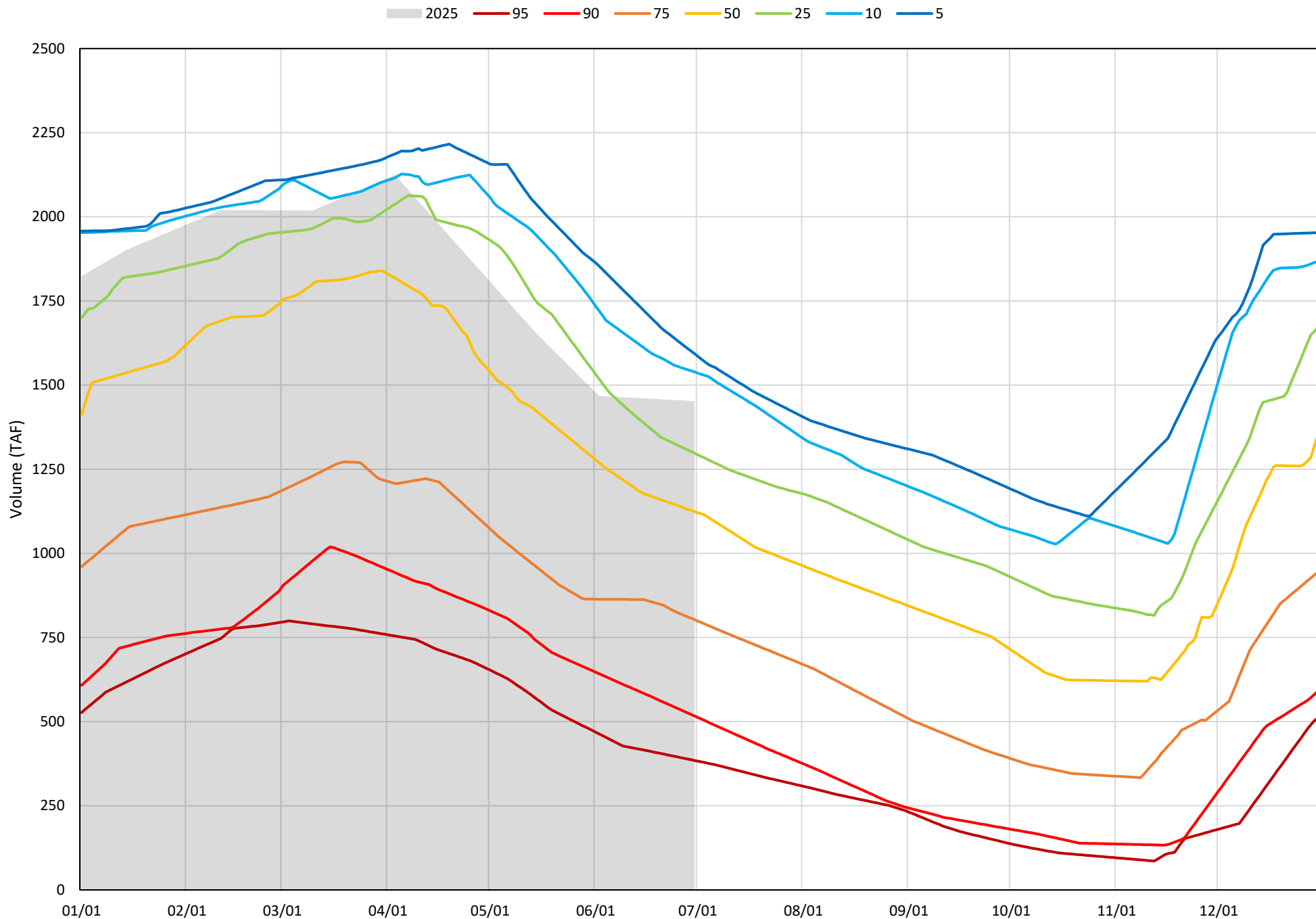
Trinity Lake Cold Water Pool Volume $\leq 50^{\circ}\text{F}$



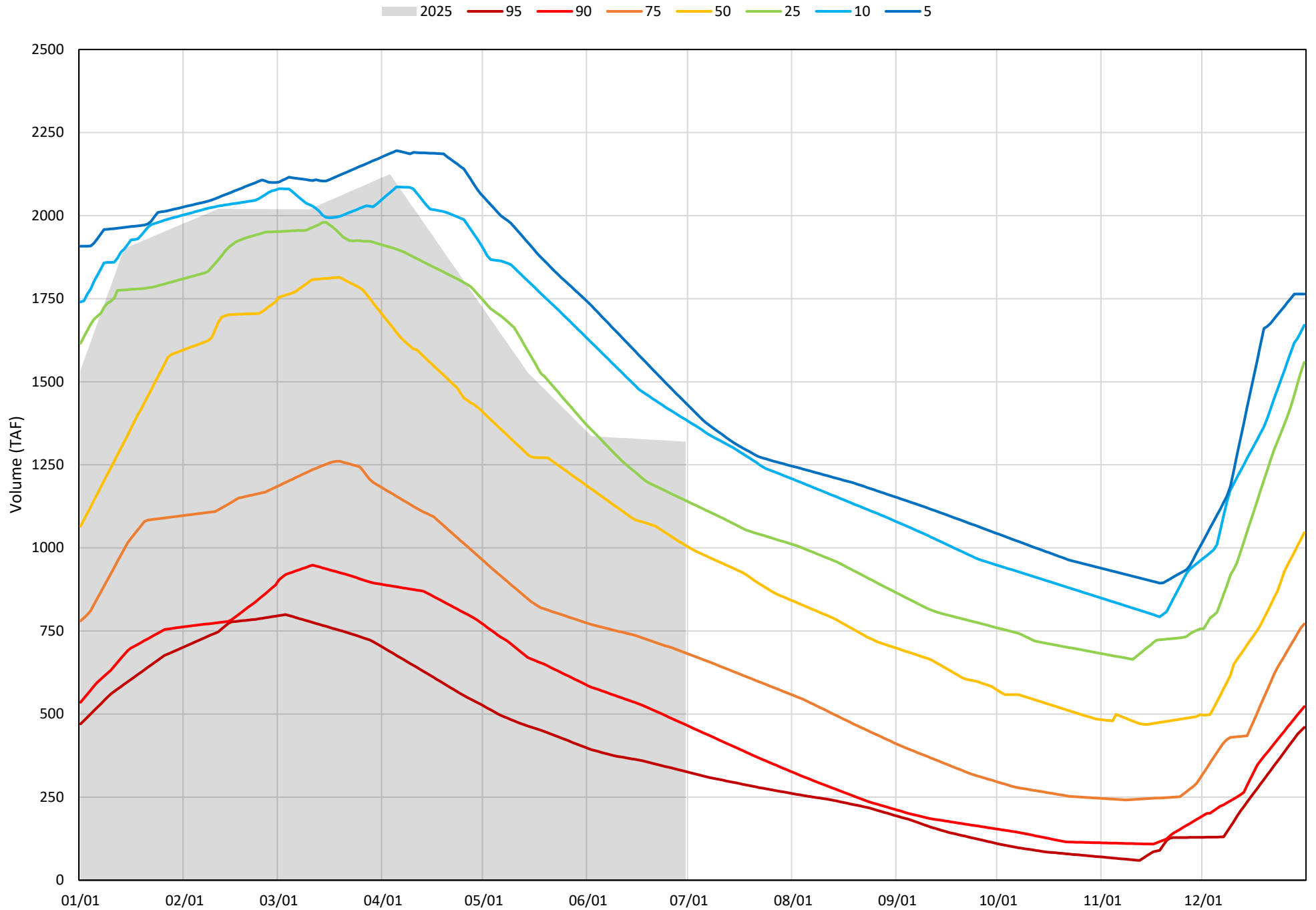
Trinity Lake Cold Water Pool Volume $\leq 48^{\circ}\text{F}$



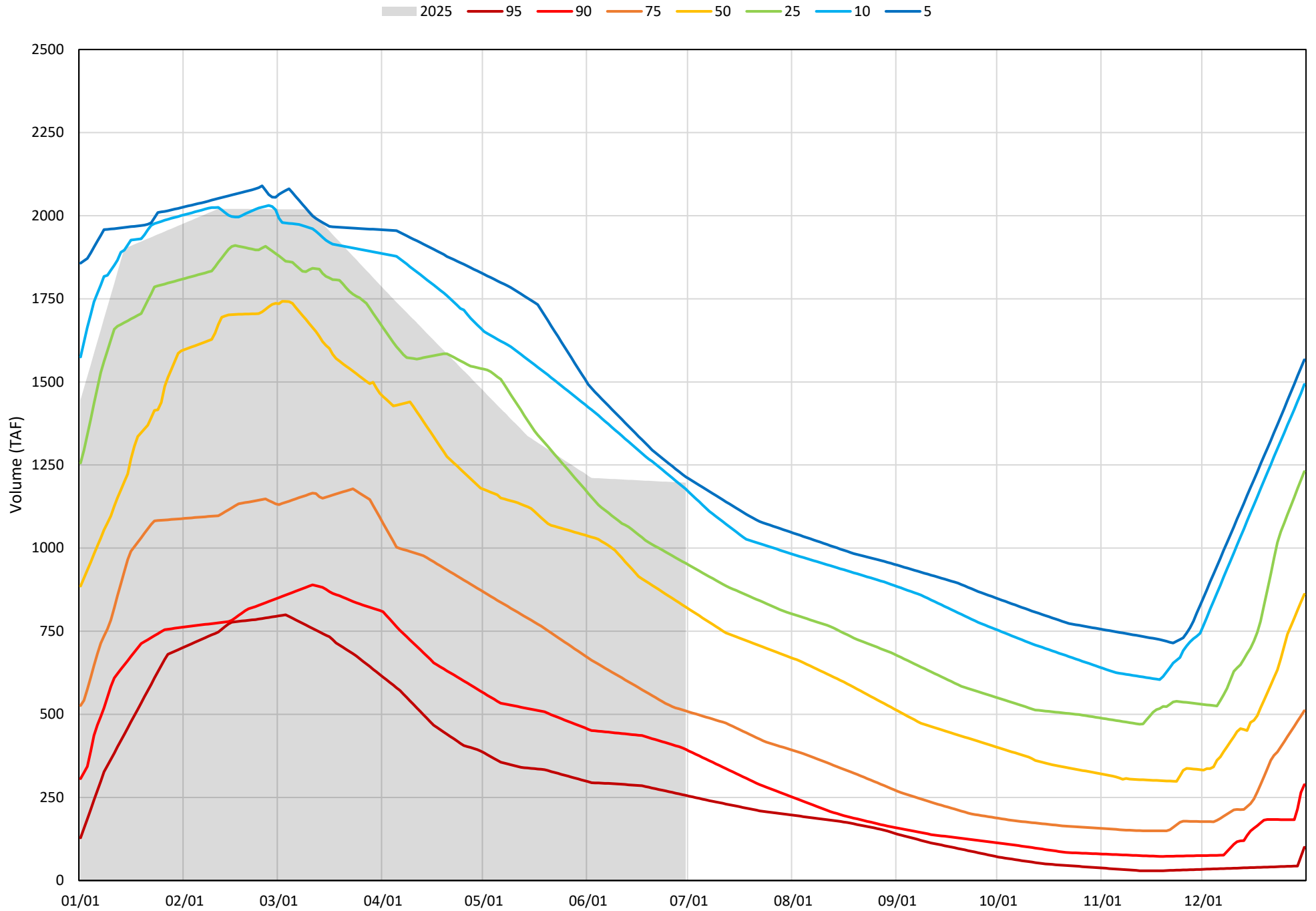
Trinity Lake Cold Water Pool Volume $\leq 52^{\circ}\text{F}$ - Percent Exceedances (2000-2024)



Trinity Lake Cold Water Pool Volume $\leq 50^{\circ}\text{F}$ - Percent Exceedances (2000-2024)



Trinity Lake Cold Water Pool Volume $\leq 48^{\circ}\text{F}$ - Percent Exceedances (2000-2024)



Trinity Cold Water Pool Comparison by Year (for Specified Date)

Jul-01 2025	Δ TAF				% Δ			
	$\leq 52^\circ$	$\leq 50^\circ$	$\leq 48^\circ$	Abs. Avg.	$\leq 52^\circ$	$\leq 50^\circ$	$\leq 48^\circ$	Abs. Avg.
2000	-186	-220	-293	233	-13	-17	-24	18
2001	-320	-312	-333	322	-22	-24	-28	25
2002	-369	-316	-331	339	-25	-24	-28	26
2003	54	-84	-226	121	4	-6	-19	10
2004	-264	-274	-374	304	-18	-21	-31	23
2005	-190	-275	-491	319	-13	-21	-41	25
2006	152	124	-20	99	10	9	-2	7
2007	-328	-282	-271	294	-23	-21	-23	22
2008	-564	-552	-660	592	-39	-42	-55	45
2009	-736	-720	-755	737	-51	-55	-63	56
2010	-379	-407	-587	458	-26	-31	-49	35
2011	113	44	-105	88	8	3	-9	7
2012	-19	30	-19	23	-1	2	-2	2
2013	-430	-387	-435	417	-30	-29	-36	32
2014	-905	-813	-759	825	-62	-62	-63	62
2015	-983	-912	-868	921	-68	-69	-73	70
2016	-751	-740	-726	739	-52	-56	-61	56
2017	-173	-229	-287	230	-12	-17	-24	18
2018	-292	-245	-259	266	-20	-19	-22	20
2019	68	99	33	67	5	7	3	5
2020	-385	-334	-404	374	-27	-25	-34	29
2021	-827	-753	-714	765	-57	-57	-60	58
2022	-1104	-1028	-972	1035	-76	-78	-81	78
2023	-515	-532	-583	543	-35	-40	-49	41
2024	-137	-134	-197	156	-9	-10	-16	12
2025	0	0	0	0	0	0	0	0

Historical - Current

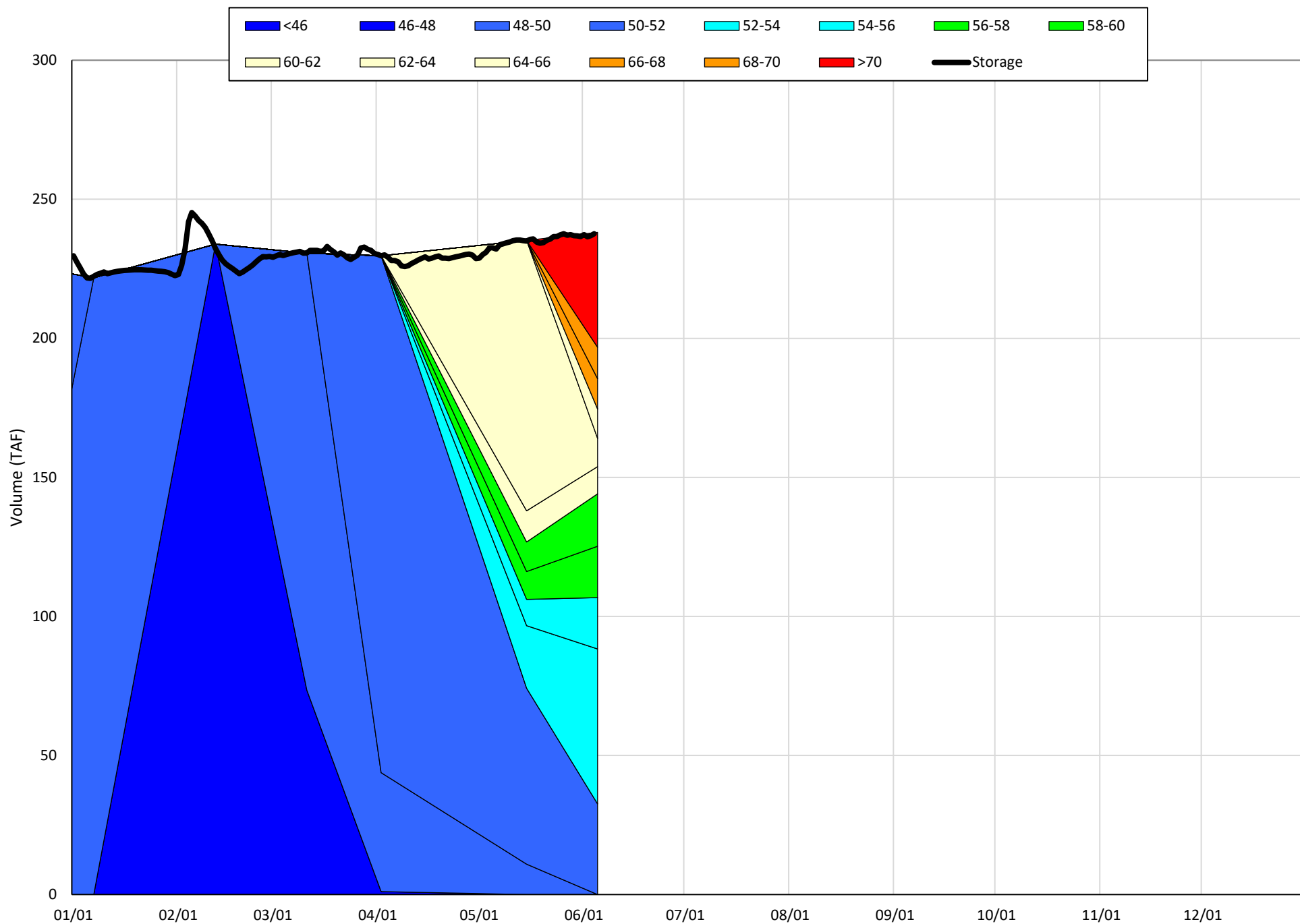
(Historical - Current) / Current

Whiskeytown Lake Isothermobaths & Cold Water Pool Statistics

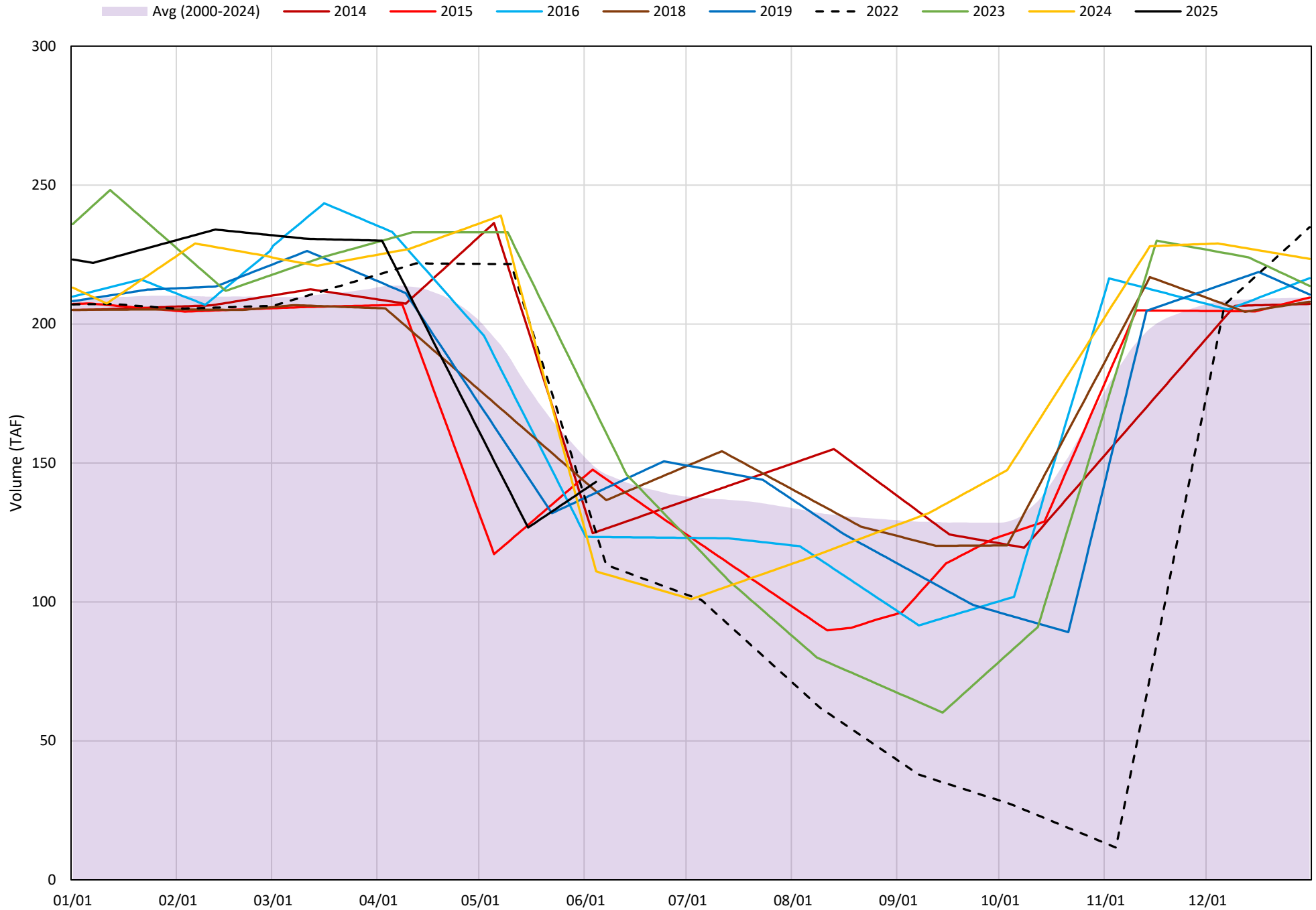
2025

Page	Description
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28	- Whiskeytown Lake Cold Water Pool Volume ≤60°F - Percent Exceedances
29	- Whiskeytown Lake Cold Water Pool Volume ≤58°F - Percent Exceedances
30	- Whiskeytown Lake Cold Water Pool Volume ≤56°F - Percent Exceedances
31	- Whiskeytown Lake Cold Water Pool Comparison by Year

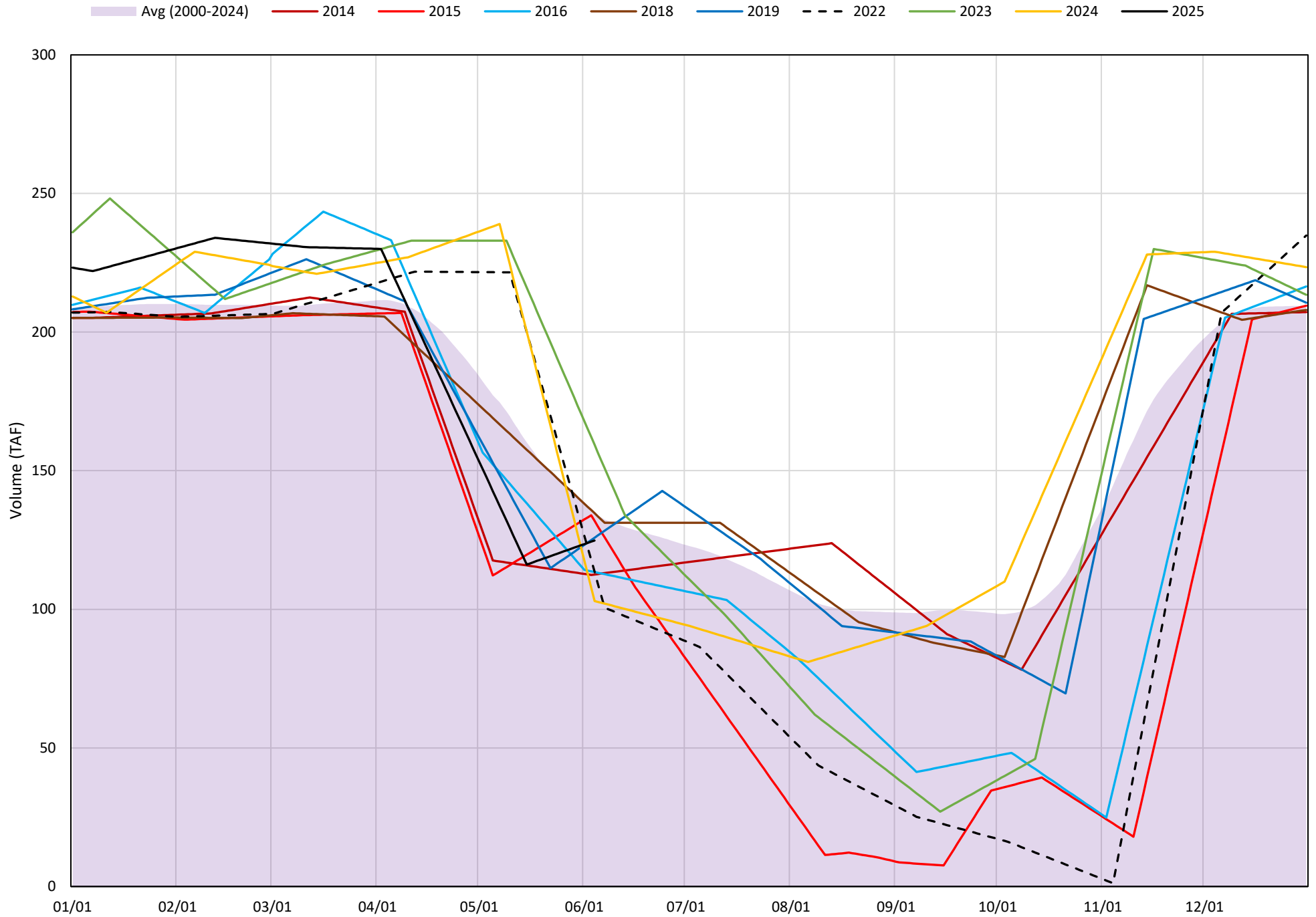
Whiskeytown Lake Isothermobaths Plot - 2025



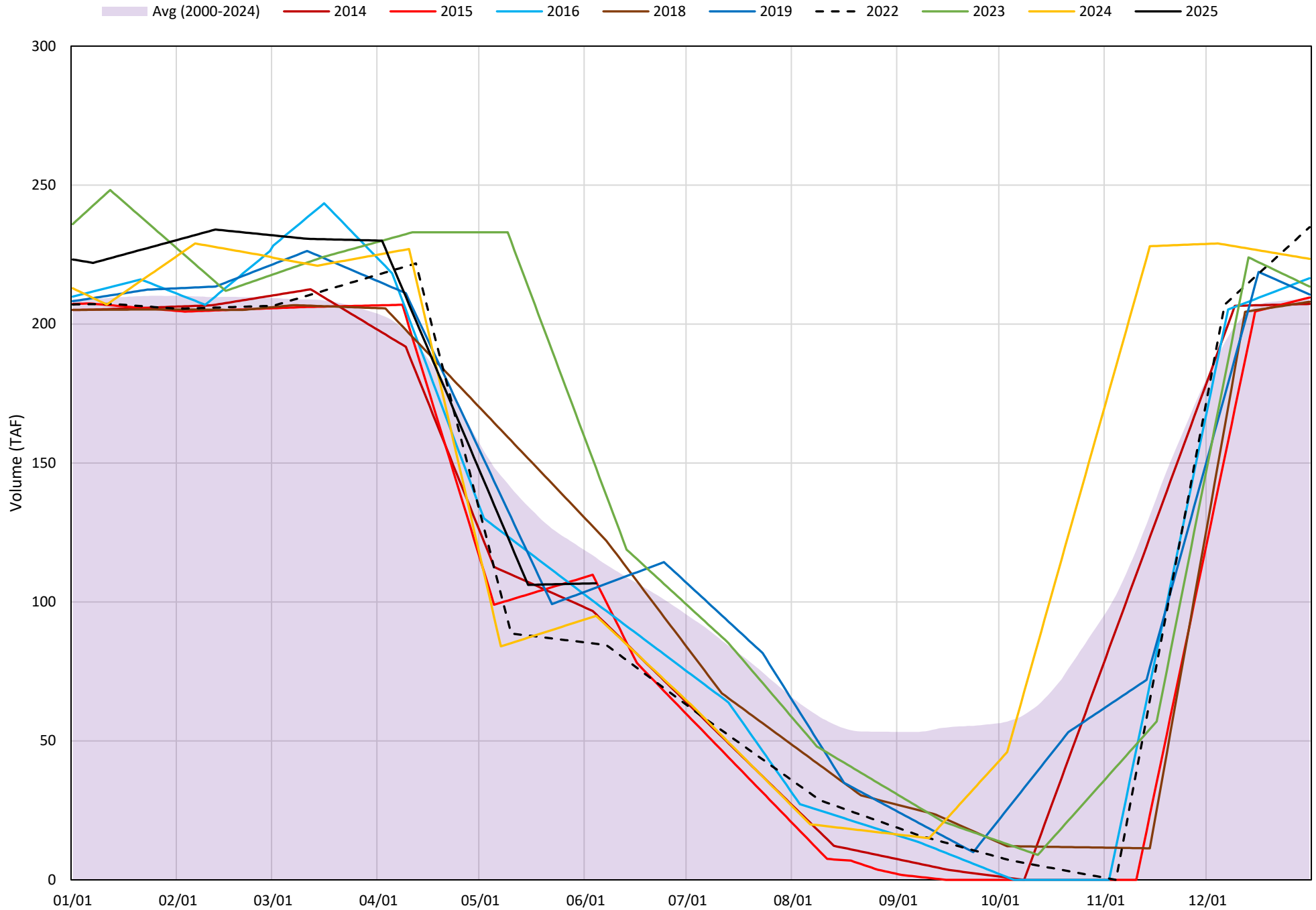
Whiskeytown Lake Cold Water Pool Volume ≤60°F



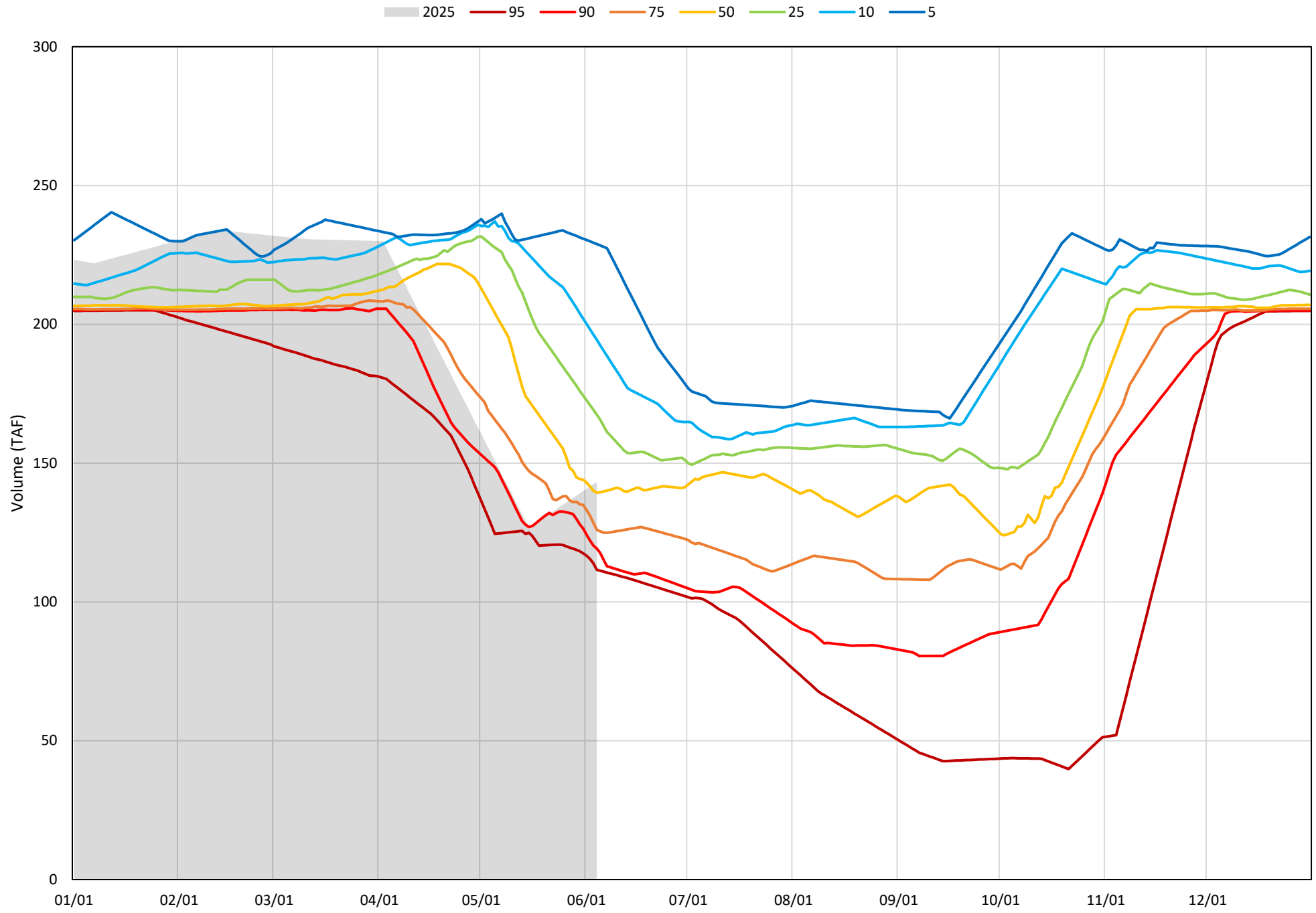
Whiskeytown Lake Cold Water Pool Volume ≤58°F



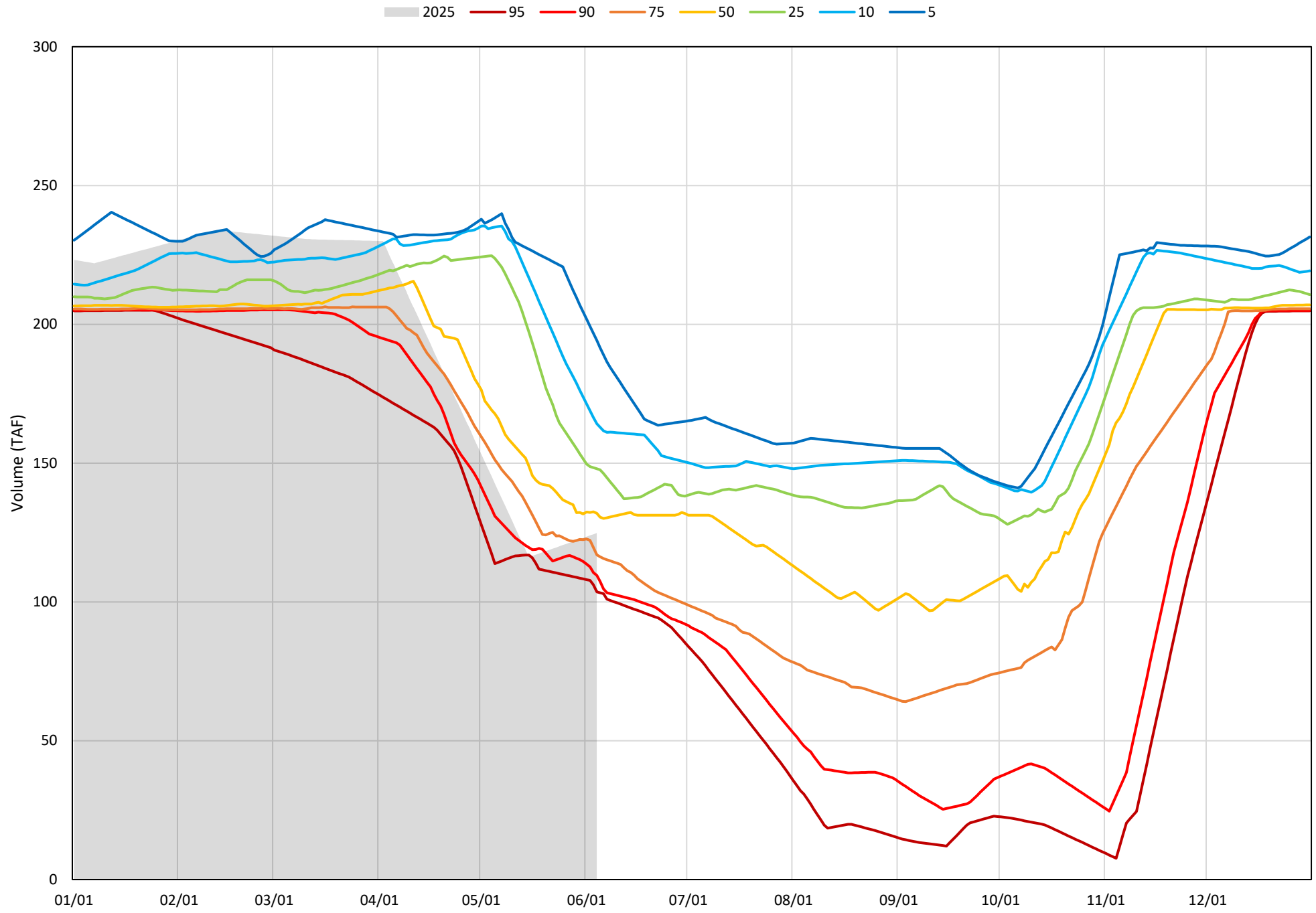
Whiskeytown Lake Cold Water Pool Volume ≤56°F



Whiskeytown Lake Cold Water Pool Volume ≤60°F - Percent Exceedances (2000-2024)

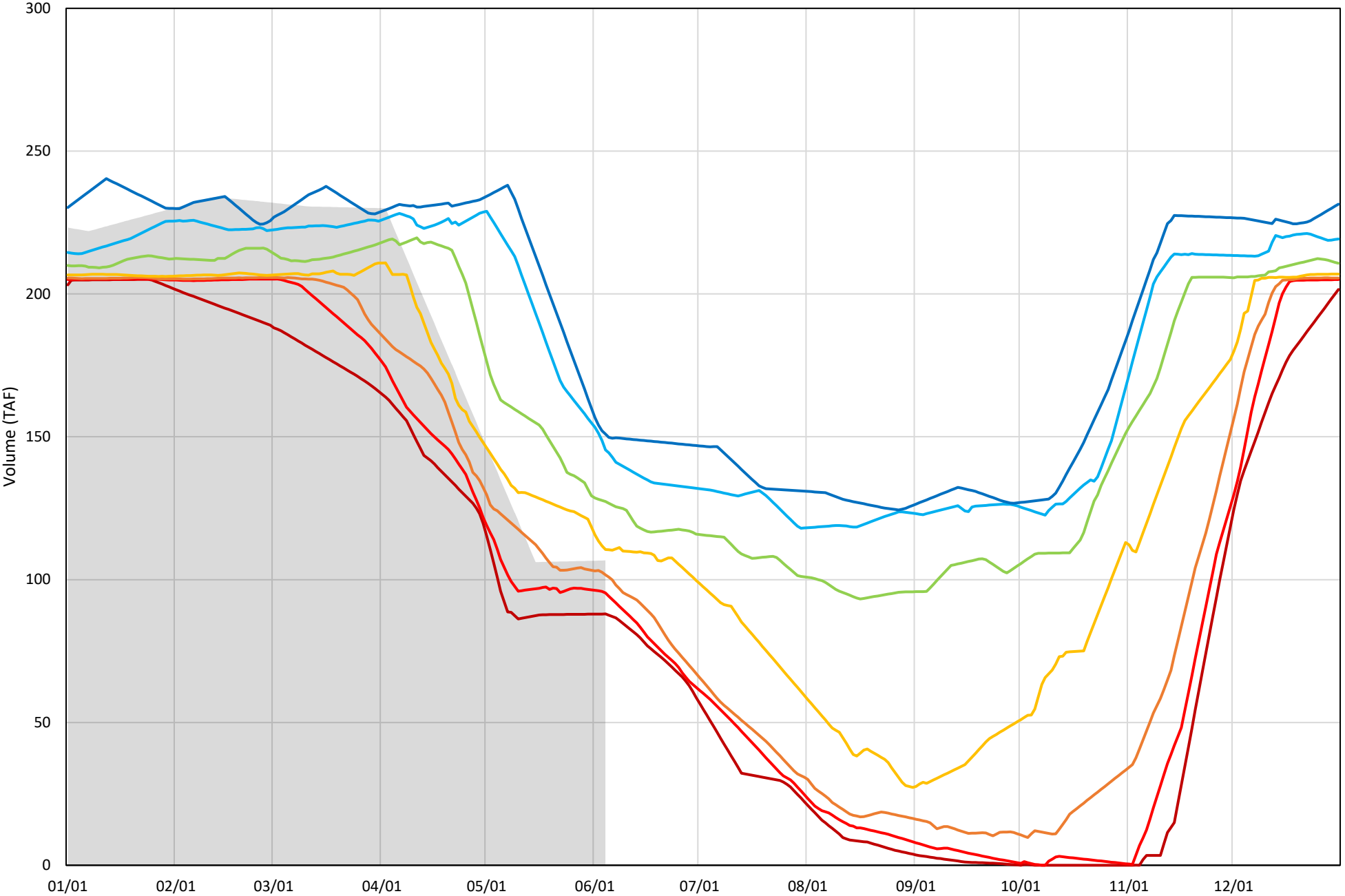


Whiskeytown Lake Cold Water Pool Volume ≤58°F - Percent Exceedances (2000-2024)



Whiskeytown Lake Cold Water Pool Volume ≤56°F - Percent Exceedances (2000-2024)

2025 95 90 75 50 25 10 5



Whiskeytown Cold Water Pool Comparison by Year (for Specified Date)

Jun-05 2025	Δ TAF				% Δ			
	$\leq 60^\circ$	$\leq 58^\circ$	$\leq 56^\circ$	Abs. Avg.	$\leq 60^\circ$	$\leq 58^\circ$	$\leq 56^\circ$	Abs. Avg.
2000	39.8	4.7	2.7	15.7	27.8	3.8	2.5	11.3
2001	-9.2	-0.2	3.8	4.4	-6.4	-0.2	3.6	3.4
2002	6.3	8.2	13.8	9.5	4.4	6.6	13.0	8.0
2003	30.4	36.8	36.7	34.6	21.2	29.5	34.4	28.4
2004	0.9	14.4	25.4	13.5	0.6	11.5	23.8	12.0
2005	-16.5	-1.7	3.4	7.2	-11.5	-1.3	3.2	5.3
2006	23.9	37.2	45.4	35.5	16.7	29.8	42.6	29.7
2007	-5.1	10.6	17.3	11.0	-3.5	8.5	16.2	9.4
2008	-4.1	9.9	10.9	8.3	-2.9	7.9	10.2	7.0
2009	-3.9	-4.5	-7.1	5.1	-2.7	-3.6	-6.6	4.3
2010	68.3	80.8	11.4	53.5	47.7	64.7	10.7	41.0
2011	93.1	42.6	0.8	45.5	65.0	34.2	0.8	33.3
2012	-5.5	6.3	11.1	7.6	-3.9	5.0	10.4	6.4
2013	-1.9	8.2	22.0	10.7	-1.3	6.6	20.6	9.5
2014	-18.1	-12.3	-11.1	13.8	-12.6	-9.8	-10.4	11.0
2015	3.5	7.1	0.6	3.7	2.5	5.7	0.6	2.9
2016	-19.8	-11.4	-7.2	12.8	-13.9	-9.1	-6.7	9.9
2017	24.5	31.9	36.8	31.1	17.1	25.6	34.5	25.7
2018	-3.4	9.8	19.2	10.8	-2.4	7.9	18.0	9.4
2019	-3.9	1.0	-1.6	2.2	-2.7	0.8	-1.5	1.7
2020	-19.9	-11.6	-3.1	11.5	-13.9	-9.3	-2.9	8.7
2021	-30.3	-19.7	-9.1	19.7	-21.1	-15.8	-8.5	15.2
2022	-18.3	-11.3	-21.8	17.1	-12.8	-9.1	-20.4	14.1
2023	25.0	34.5	41.5	33.7	17.5	27.7	38.9	28.0
2024	-32.2	-21.8	-11.7	21.9	-22.5	-17.5	-11.0	17.0
2025	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Historical - Current

(Historical - Current) / Current