

Northern CVP Water Temperature Report

August - 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
Jul	50.5	49.8	57.2	51.2	51.7	52.2	53.9	55.3	57.0	58.4	49.3	56.5	61.9	12515	1491	13983	82.2	77.6	76.7
08/01	51.0	50.5	58.0	52.4	52.8	53.4	54.9	56.2	57.9	58.5	49.0	55.9	61.3	12644	1485	13999	86.5	80.1	76.1
08/02	50.7	50.1	58.1	51.8	52.3	53.0	54.7	55.9	57.7	58.5	49.1	55.7	61.0	12477	1492	14013	84.0	79.2	69.9
08/03	50.9	50.3	58.0	51.7	52.1	52.7	54.3	55.5	57.4	58.7	49.3	54.2	59.0	12298	1322	14008	82.0	78.1	70.5
08/04	50.9	50.4	58.1	51.8	52.3	52.8	54.3	55.4	57.2	58.3	49.1	53.7	58.0	12748	1510	13985	77.5	75.4	73.1
08/05	51.0	50.4	58.1	51.8	52.3	52.9	54.3	55.4	57.0	58.2	49.1	54.4	58.9	12263	1508	13956	79.5	75.0	73.5
08/06	51.2	50.5	58.0	51.9	52.3	52.9	54.3	55.4	57.0	57.8	48.9	54.5	59.4	12667	1522	13558	80.0	77.2	75.8
08/07	50.7	50.2	58.0	52.1	52.5	53.1	54.5	55.6	57.1	58.6	48.9	55.0	60.1	12242	1344	13549	82.5	79.0	78.8
08/08	50.3	49.5	58.0	51.6	52.2	52.9	54.6	55.8	57.4	58.6	48.8	55.5	61.0	11998	1508	13554	90.0	81.5	82.3
08/09	50.5	49.5	57.9	51.4	51.9	52.4	53.9	55.1	57.1	58.4	48.7	55.2	60.7	11393	1506	13051	87.0	81.2	80.2
08/10	50.4	49.6	57.9	51.5	52.0	52.7	54.2	55.4	57.1	58.5	48.7	55.6	61.1	11202	1508	12541	88.5	82.8	81.3
08/11	50.6	49.6	57.9	51.4	52.0	52.8	54.5	55.8	57.6	58.9	48.7	56.0	61.8	10514	1089	12069	89.0	82.9	80.1
08/12	50.5	49.6	57.8	51.7	52.3	53.1	54.8	56.1	58.0	59.3	48.9	56.6	62.5	9636	1328	11246	87.0	81.6	76.2
08/13	50.3	49.2	57.9	51.8	52.4	53.2	55.0	56.7	58.6	59.2	49.2	56.8	62.4	8544	1490	10275	85.0	79.3	76.7
08/14	50.4	49.4	57.9	51.9	52.5	53.4	55.2	56.9	58.8	58.9	49.3	57.2	62.6	8725	1485	10027	83.0	78.3	77.1
08/15	49.4	48.9	57.9	52.1	52.6	53.5	55.2	56.9	58.8	58.9	49.2	57.2	62.5	7946	1475	9519	83.5	81.4	82.0
08/16	49.5	48.6	58.0	51.5	52.3	53.2	55.4	57.4	59.2	59.1	49.3	57.1	62.3	8068	1538	9508	82.0	76.6	76.0
08/17	49.6	48.7	57.9	51.0	51.8	52.7	54.6	56.5	58.8	58.8	49.4	56.7	62.0	8015	1476	9508	80.0	76.5	75.5
08/18	49.7	48.6	57.9	51.3	51.9	52.7	54.4	56.2	58.1	58.9	49.0	57.5	62.9	8129	1507	9465	74.0	70.6	70.3
08/19	49.5	48.7	57.9	51.0	51.7	52.4	54.1	55.7	57.4	58.0	49.1	56.8	62.5	8229	1095	9488	78.0	71.8	72.6
08/20	49.5	48.7	57.9	51.1	51.7	52.5	54.1	55.6	57.3	58.5	49.0	57.2	62.5	7490	1350	9256	82.0	76.5	75.9
08/21	49.4	48.6	57.9	51.1	51.9	52.7	54.4	56.2	57.7	59.1	49.1	57.5	63.2	7523	1495	9259	87.0	80.5	78.9
08/22	49.6	48.8	57.9	51.2	51.9	52.7	54.4	56.5	58.0	58.4	49.0	57.5	63.4	8382	1494	9267	87.5	80.4	78.6
08/23	49.5	48.8	57.8	51.0	51.6	52.4	54.0	56.3	57.8	57.8	49.2	55.1	61.0	8264	1163	9278	88.5	81.9	83.8
08/24	49.9	48.9	57.9	51.1	51.7	52.6	54.3	56.4	57.8	58.7	49.2	54.8	59.6	7912	1522	9278	87.5	82.8	81.9
08/25	49.7	48.8	57.9	51.8	52.3	53.2	54.7	56.7	58.2	59.2	49.0	54.3	59.4	7725	1512	9318	92.5	84.6	84.7
08/26	50.0	48.9	57.9	51.4	52.1	53.1	55.0	57.3	58.9	59.0	48.7	51.9	54.8	7349	1504	9311	85.0	79.1	79.0
08/27	50.1	49.3	57.9	51.5	52.2	53.1	54.9	57.1	58.6	59.1	48.1	52.2	56.2	8047	1322	9074	83.0	77.3	78.4
08/28	50.4	49.6	57.9	51.9	52.4	53.1	54.7	56.7	58.2	58.2	48.2	53.1	58.1	7799	1090	9067	79.5	74.8	75.1
08/29	50.2	49.1	57.9	51.6	52.2	53.0	54.5	56.5	57.9	58.0	48.6	53.1	57.8	7222	1527	9066	80.5	75.2	76.0
08/30	50.2	49.3	57.9	51.8	52.4	53.2	54.7	56.6	57.8	58.1	48.4	53.6	58.1	7446	1492	9059	82.0	75.9	77.8
08/31	50.1	49.1	57.9	51.8	52.4	53.3	54.8	56.6	57.9	58.1	48.5	55.3	59.7	7255	1518	8780	82.0	75.7	77.8
Aug	50.2	49.4	57.9	51.6	52.2	52.9	54.6	56.2	57.9	58.6	48.9	55.4	60.5	9497	1422	10952	83.8	78.6	77.3
													Total CFS	292152	44177	337332			
													Total AF	579472	87623	669084			

Legend

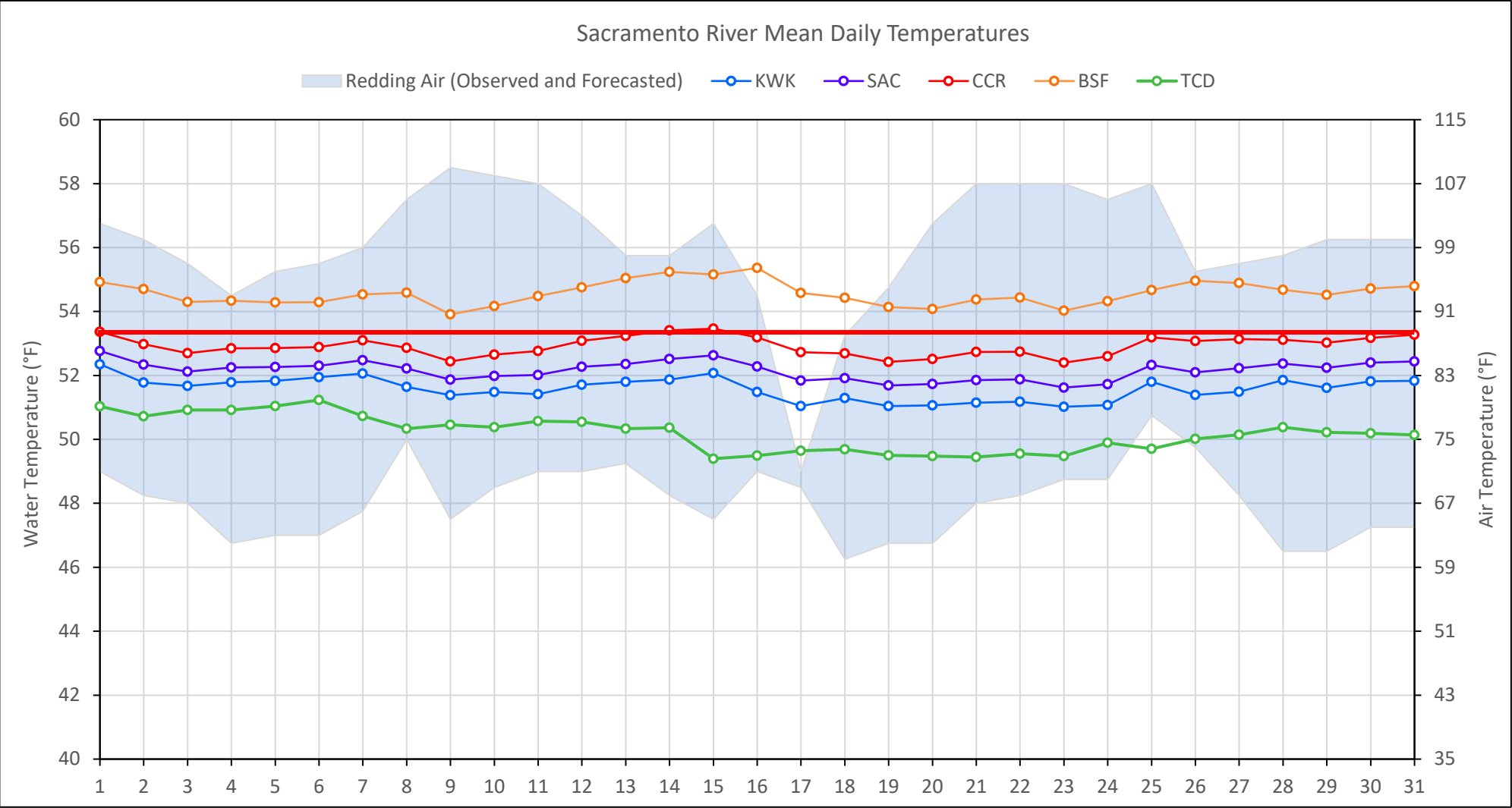
Notes

- ? = 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)



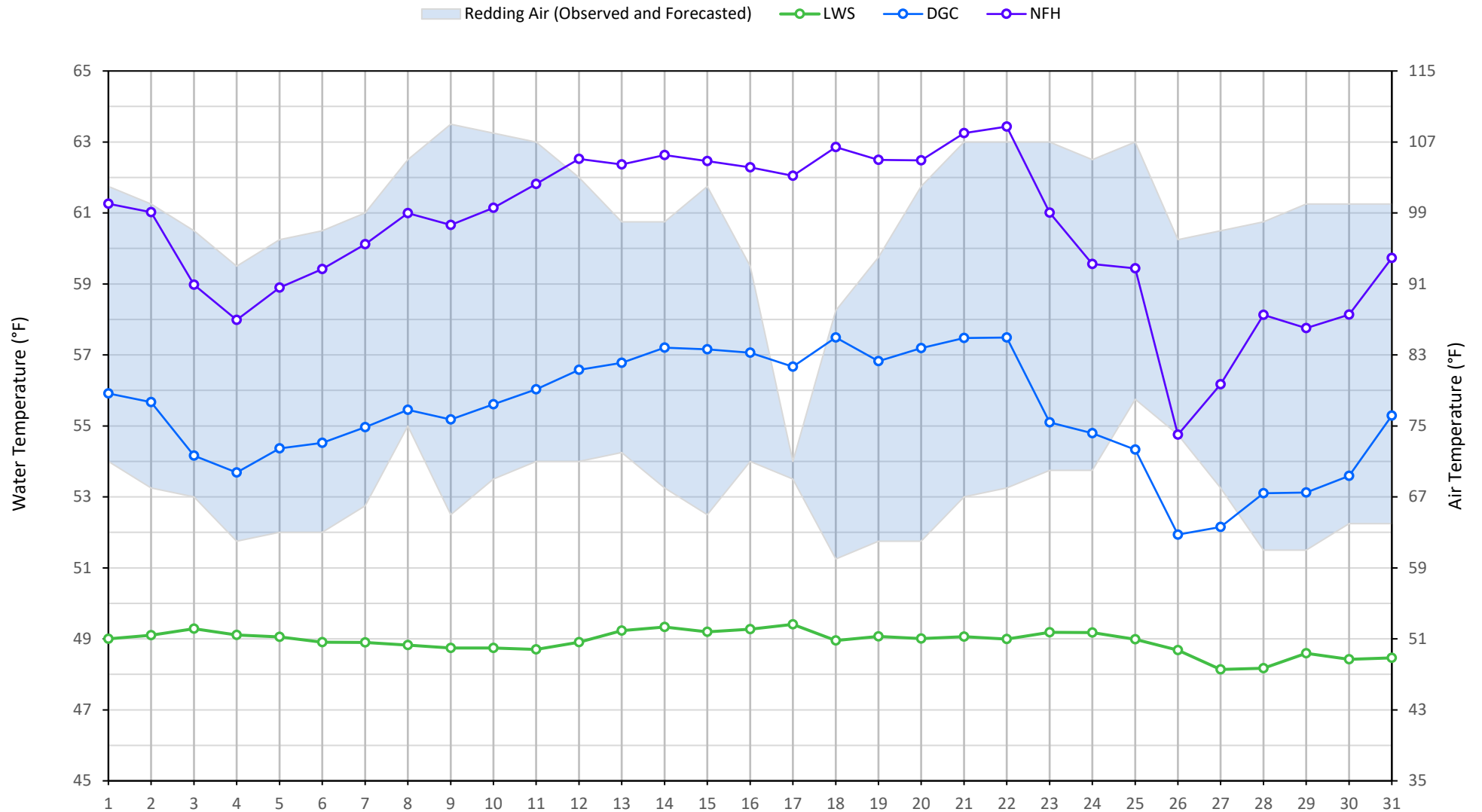
Station Details			
Code	Body of Water	Location ¹	CDEC Link
TCD	N/A	Shasta Power Plant	N/A
SHD	Sacramento River	0.3 miles downstream of Shasta Power Plant	Click Here
SPP	N/A	Spring Creek Power Plant	N/A
KWK	Sacramento River	0.8 miles downstream of Keswick Dam	Click Here
SAC	Sacramento River	4.8 miles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

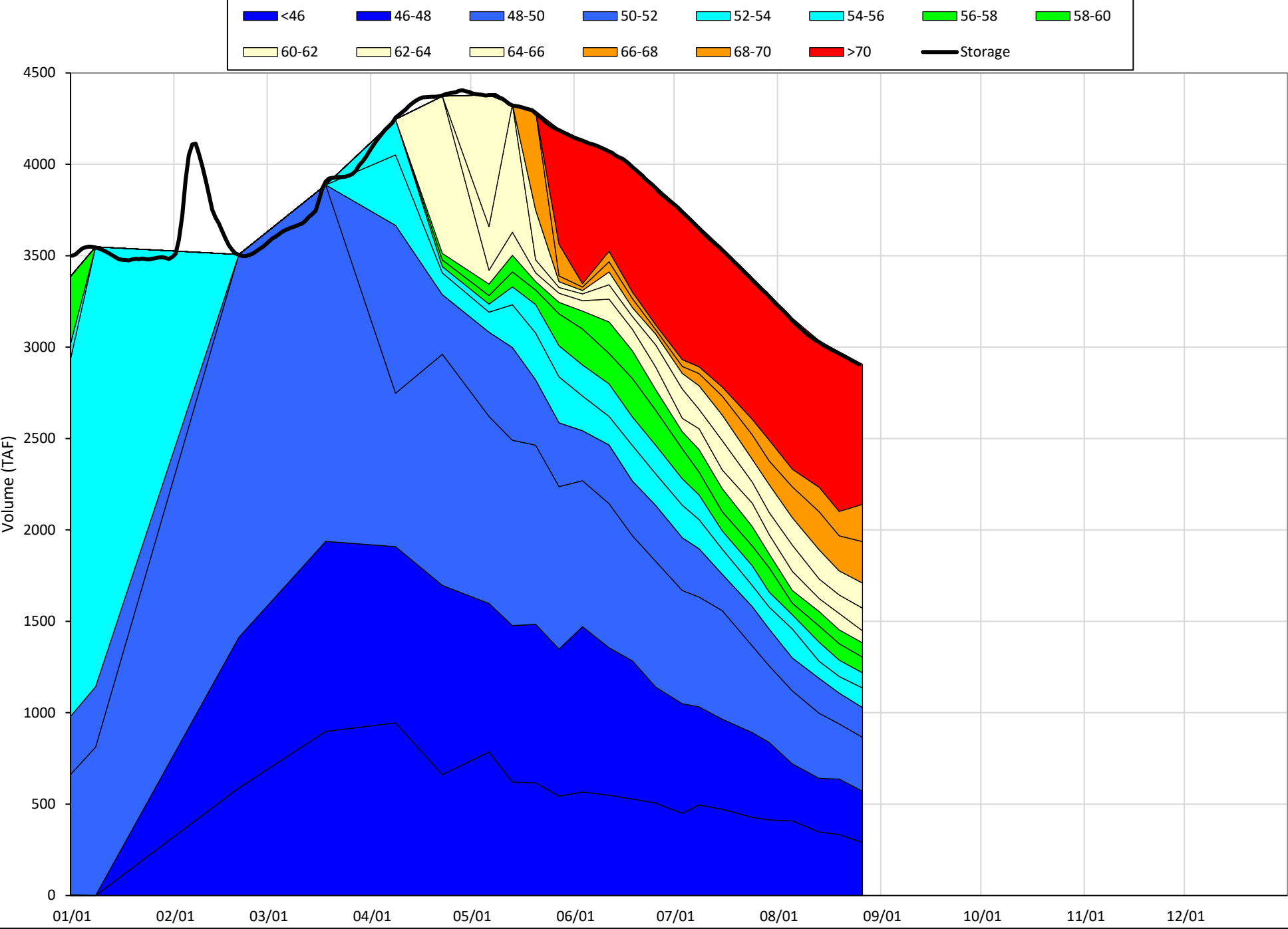
¹ Distances are approximate

Shasta Lake Isothermobaths & Cold Water Pool Statistics

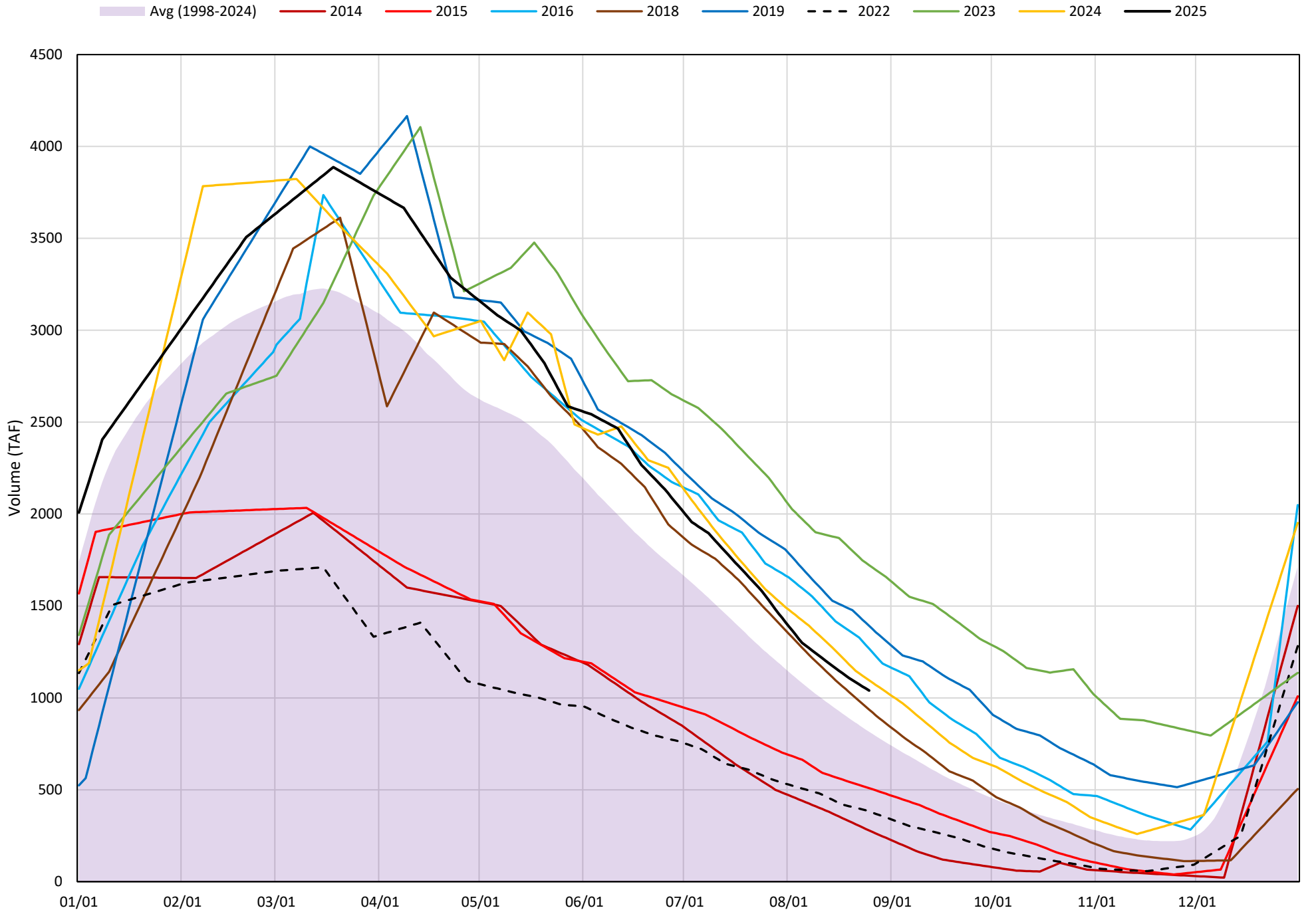
2025

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

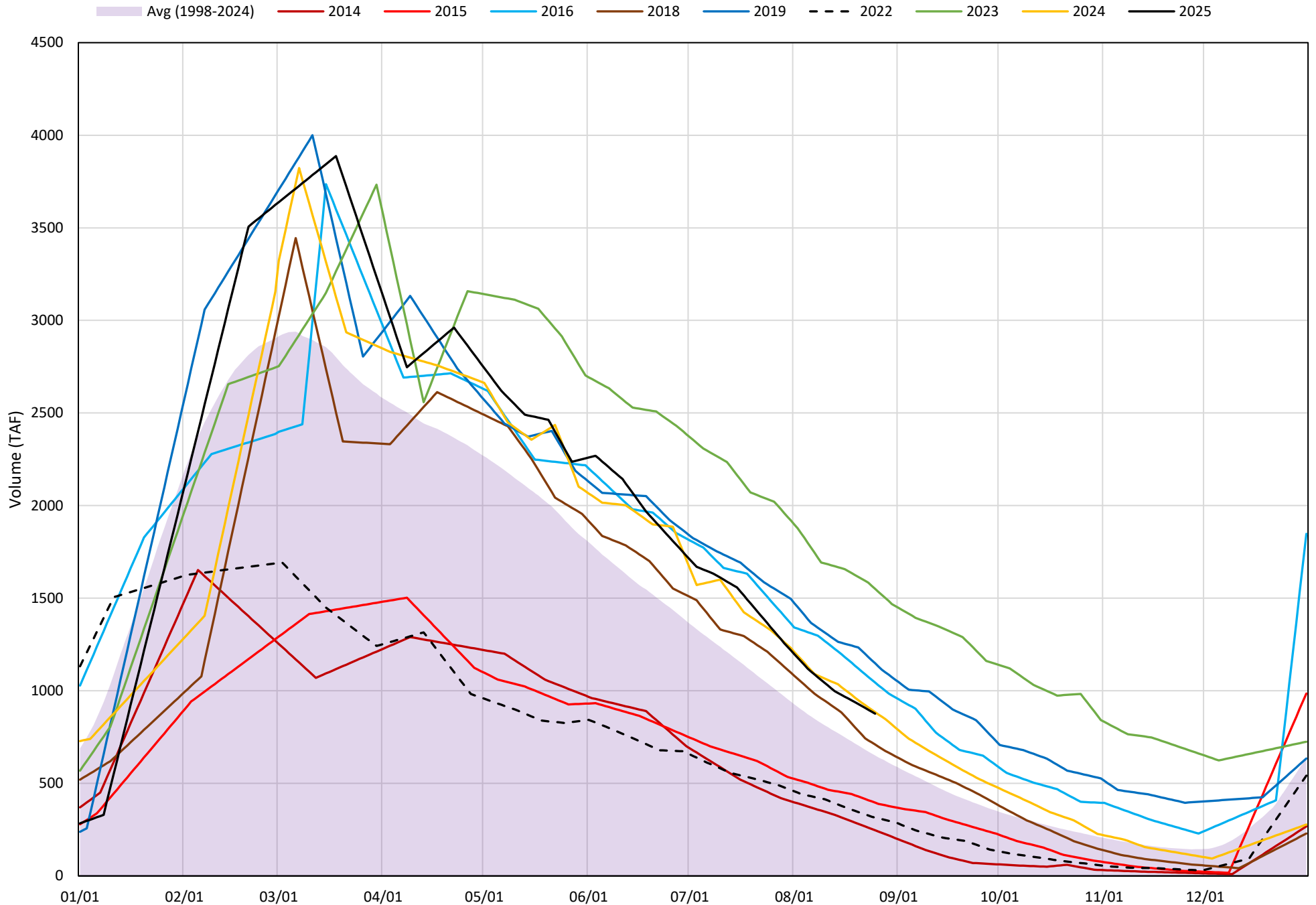
Shasta Lake Isothermobaths Plot - 2025



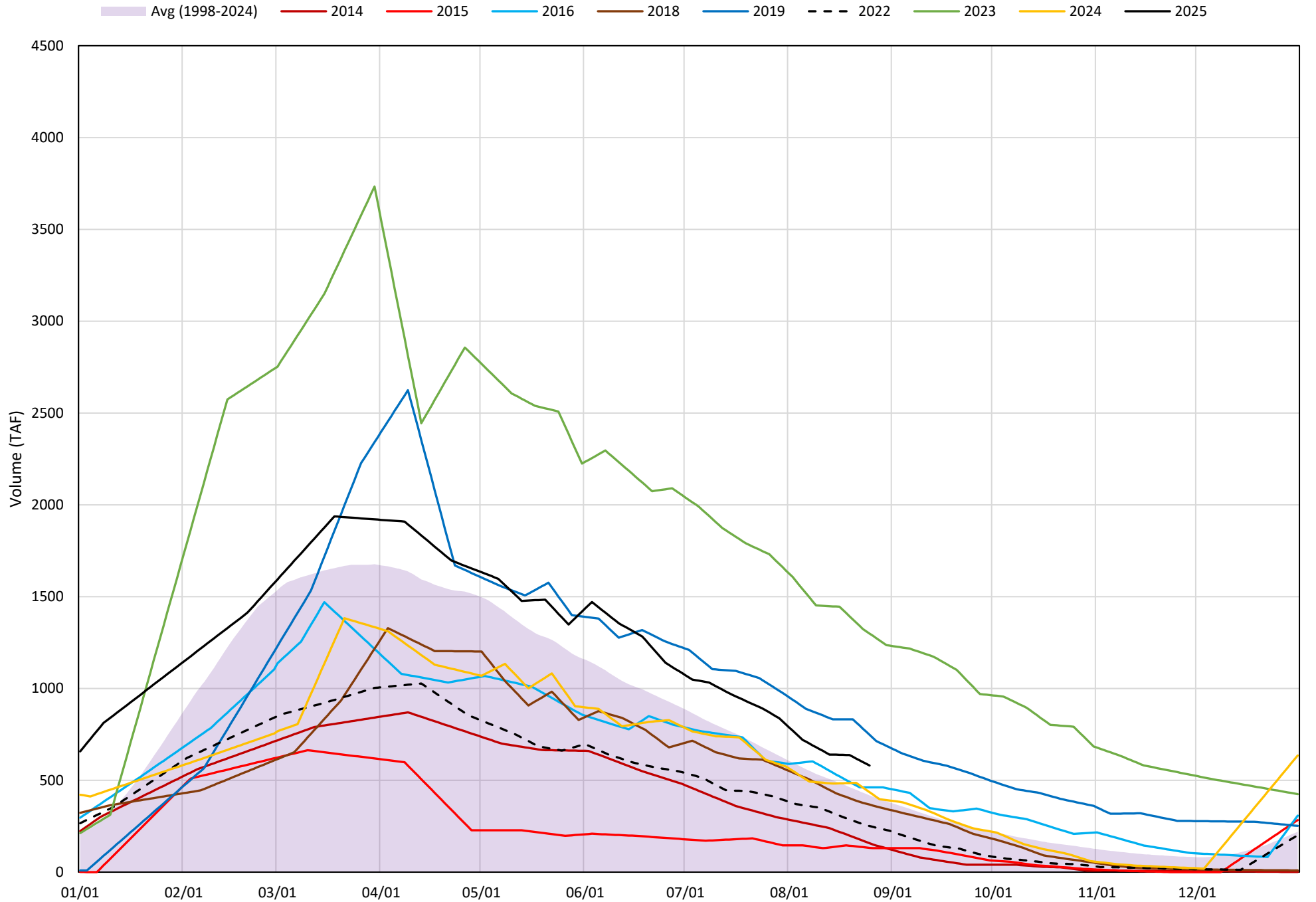
Shasta Lake Cold Water Pool Volume ≤52°F



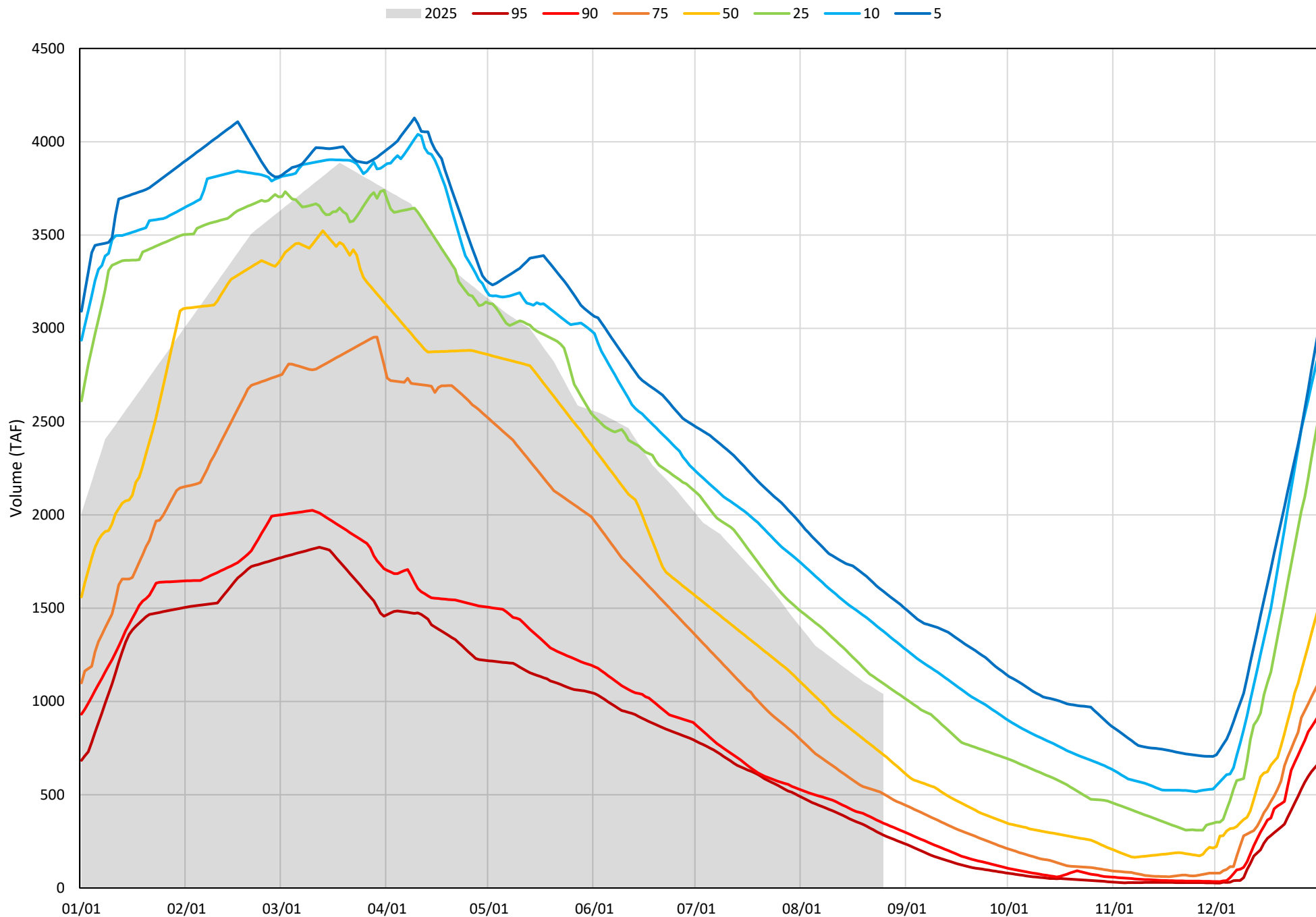
Shasta Lake Cold Water Pool Volume ≤50°F



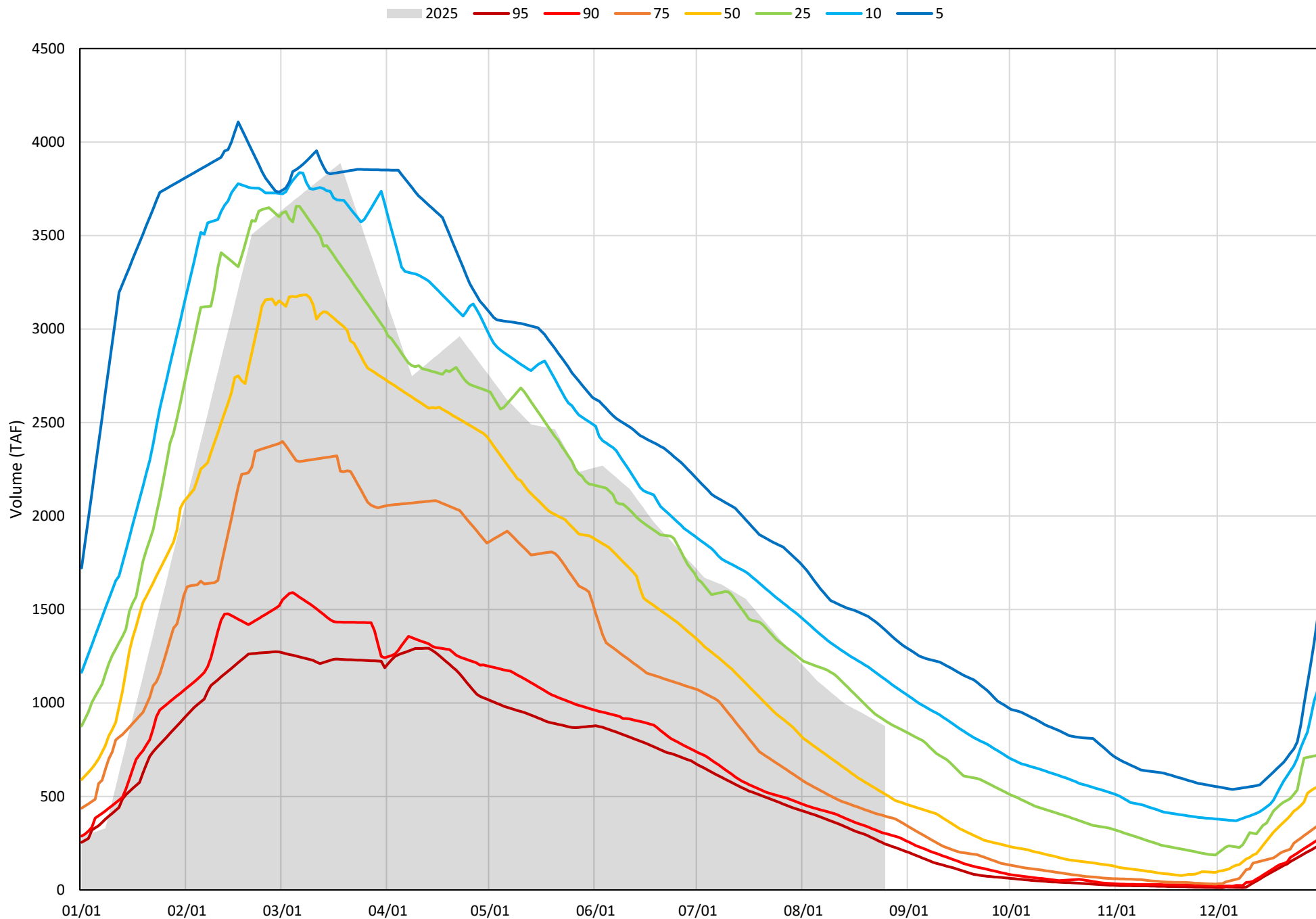
Shasta Lake Cold Water Pool Volume ≤48°F



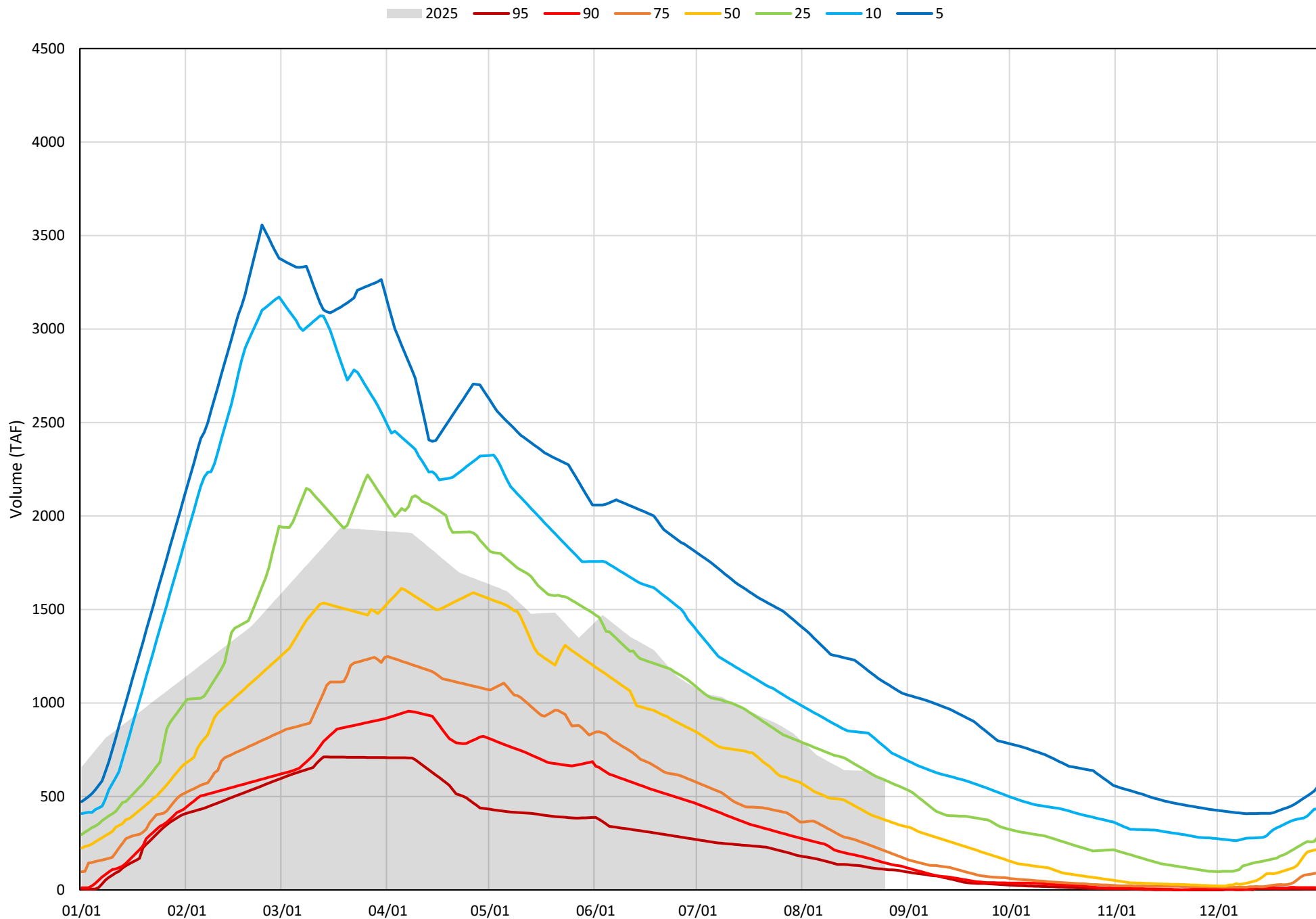
Shasta Lake Cold Water Pool Volume $\leq 52^{\circ}\text{F}$ - Percent Exceedances (1998-2024)



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)

Aug-26 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	-326	-465	-428	406	-31	-53	-74	53
1999	14	29	112	52	1	3	19	8
2000	-430	-456	-421	436	-41	-52	-72	55
2001	-477	-405	-206	363	-46	-46	-36	43
2002	-168	-160	-63	130	-16	-18	-11	15
2003	-262	-481	-486	410	-25	-55	-84	55
2004	-618	-525	-357	500	-59	-60	-62	60
2005	-536	-510	-372	473	-51	-58	-64	58
2006	-118	-186	-125	143	-11	-21	-21	18
2007	-455	-364	-175	332	-44	-42	-30	39
2008	-678	-542	-287	502	-65	-62	-49	59
2009	-546	-458	-248	418	-53	-52	-43	49
2010	251	119	56	142	24	14	10	16
2011	332	244	241	272	32	28	41	34
2012	-7	17	6	10	-1	2	1	1
2013	-391	-318	-153	287	-38	-36	-26	33
2014	-761	-629	-424	605	-73	-72	-73	73
2015	-531	-480	-448	487	-51	-55	-77	61
2016	228	168	-119	172	22	19	-20	21
2017	210	104	70	128	20	12	12	15
2018	-104	-167	-213	161	-10	-19	-37	22
2019	352	272	167	263	34	31	29	31
2020	-376	-377	-319	357	-36	-43	-55	45
2021	-750	-631	-433	605	-72	-72	-75	73
2022	-658	-561	-330	516	-63	-64	-57	61
2023	682	674	718	692	66	77	124	89
2024	56	9	-145	70	5	1	-25	10
2025	0	0	0	0	0	0	0	0

Historical - Current

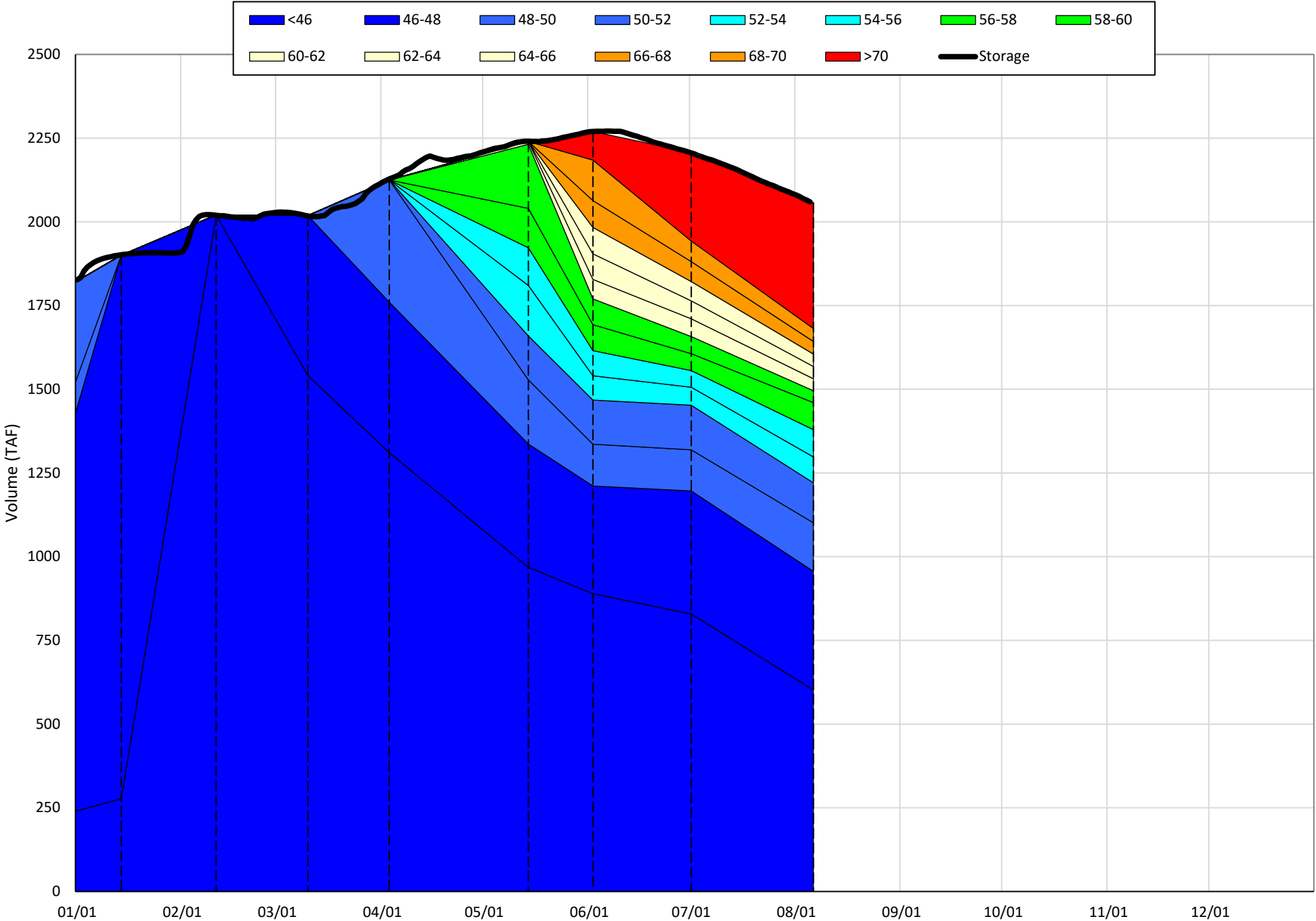
(Historical - Current) / Current

Trinity Lake Isothermobaths & Cold Water Pool Statistics

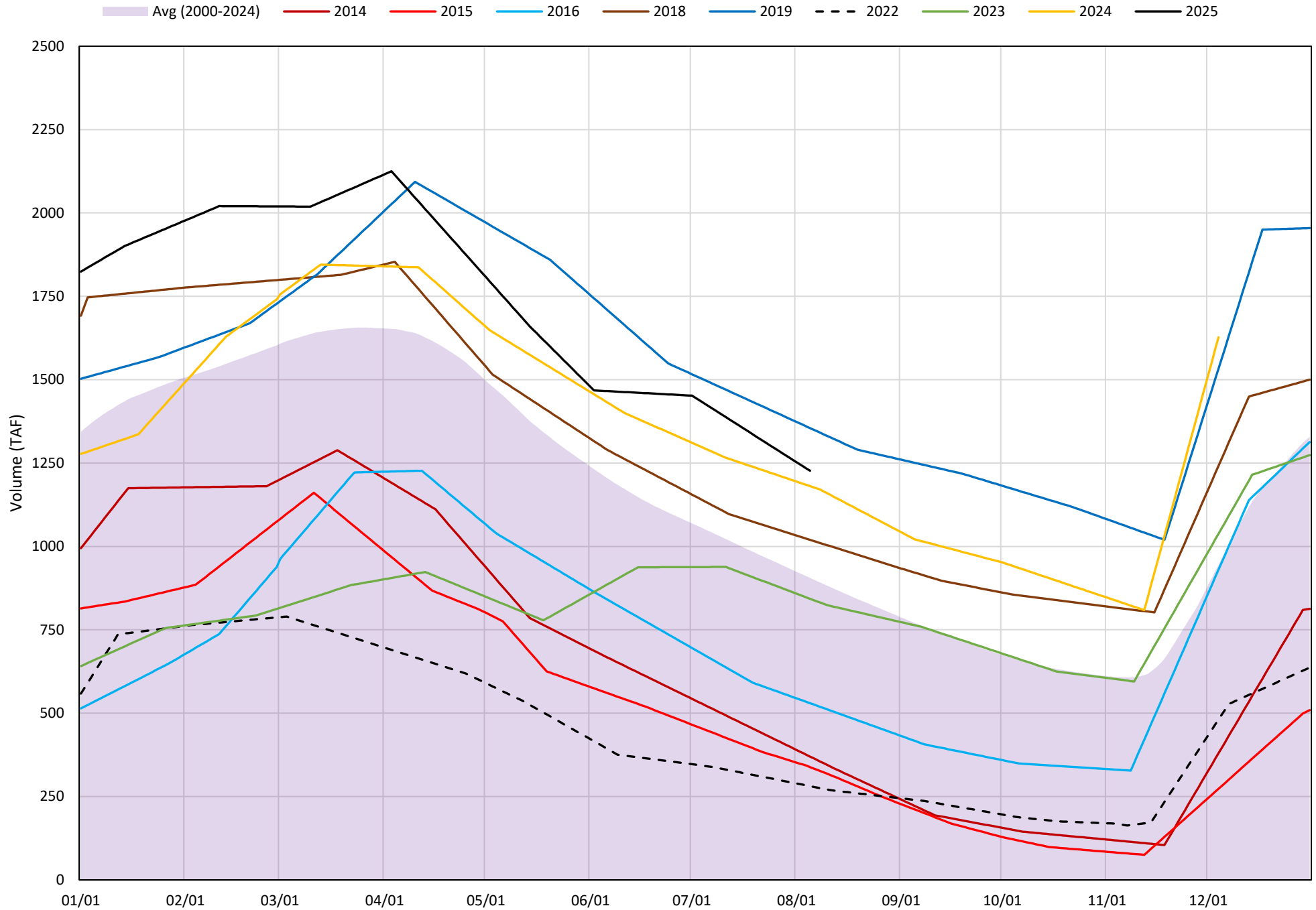
2025

Page	Description
15	- Trinity Lake Isothermobaths Plot
16	- Trinity Lake Cold Water Pool Volume $\leq 52^{\circ}\text{F}$
17	- Trinity Lake Cold Water Pool Volume $\leq 50^{\circ}\text{F}$
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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

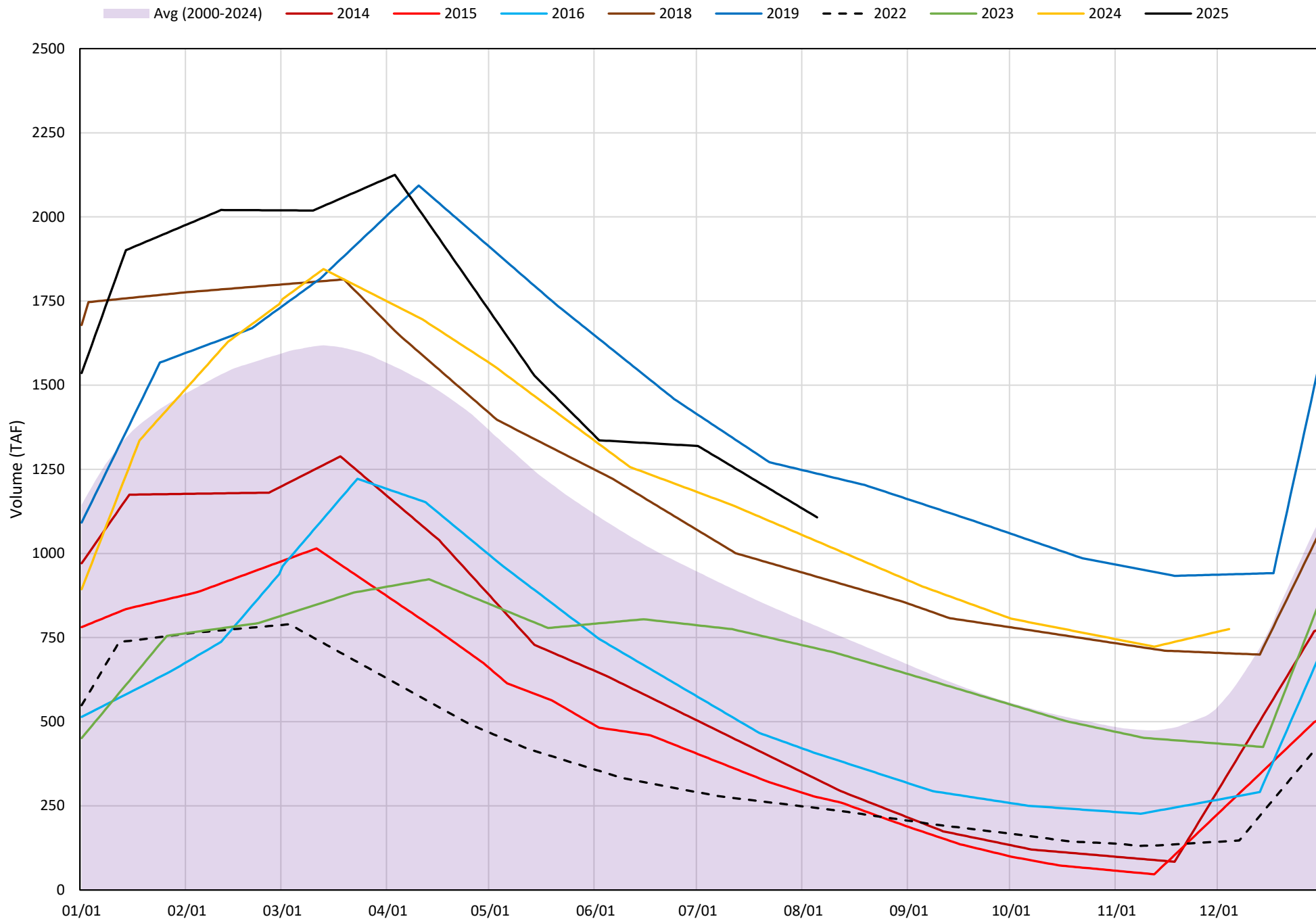
Trinity Lake Isothermobaths Plot - 2025



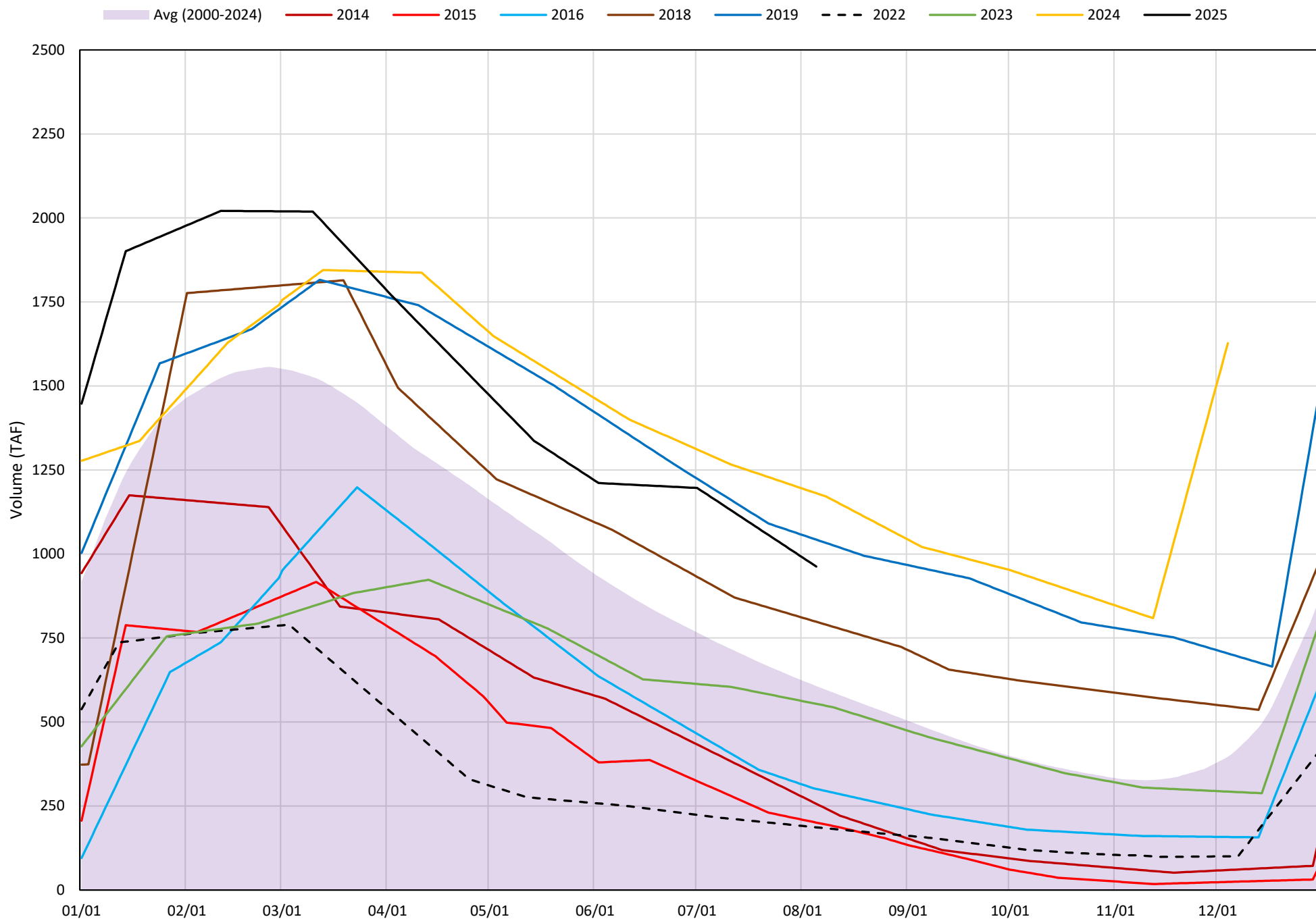
Trinity Lake Cold Water Pool Volume ≤52°F



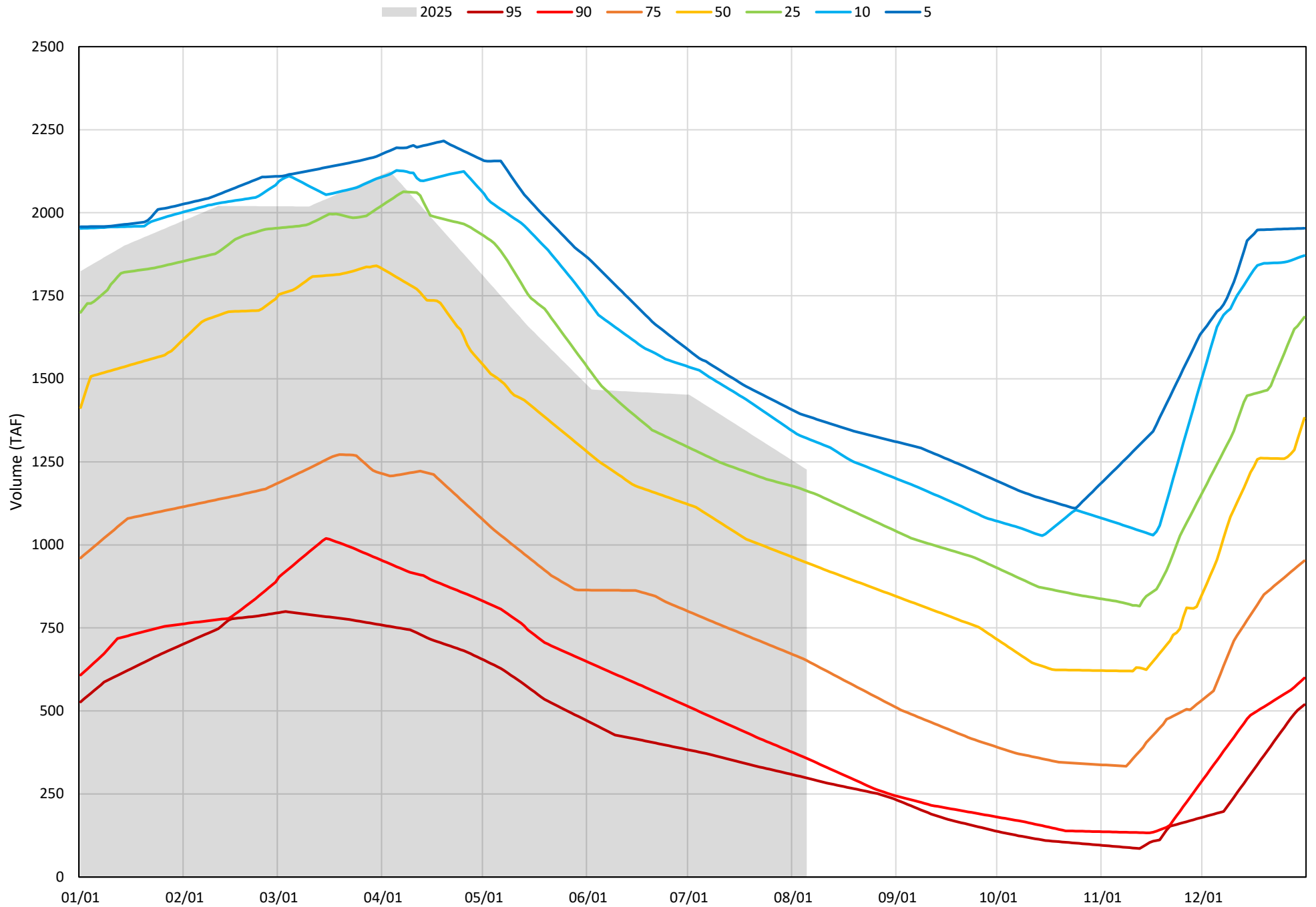
Trinity Lake Cold Water Pool Volume ≤50°F



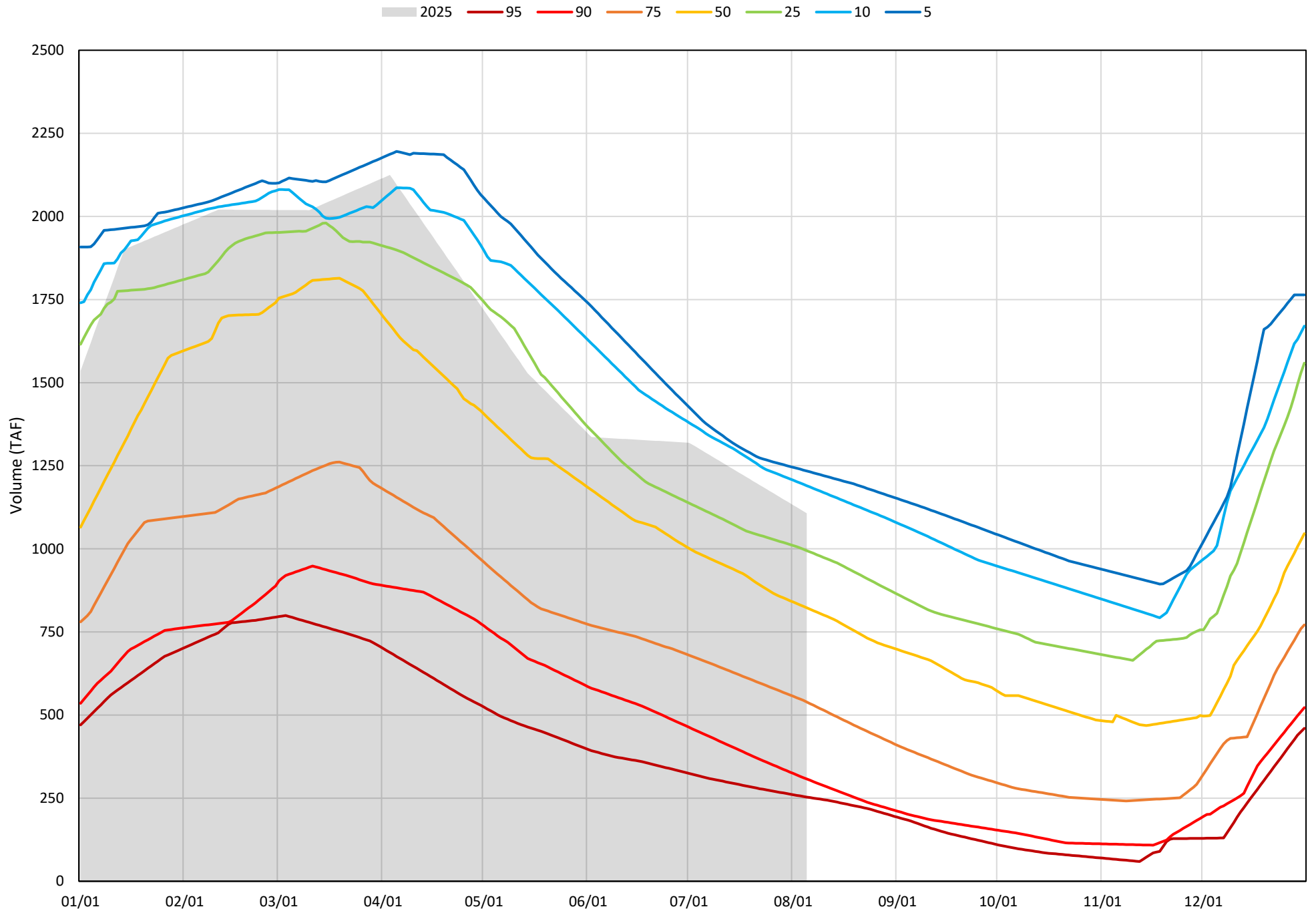
Trinity Lake Cold Water Pool Volume ≤48°F



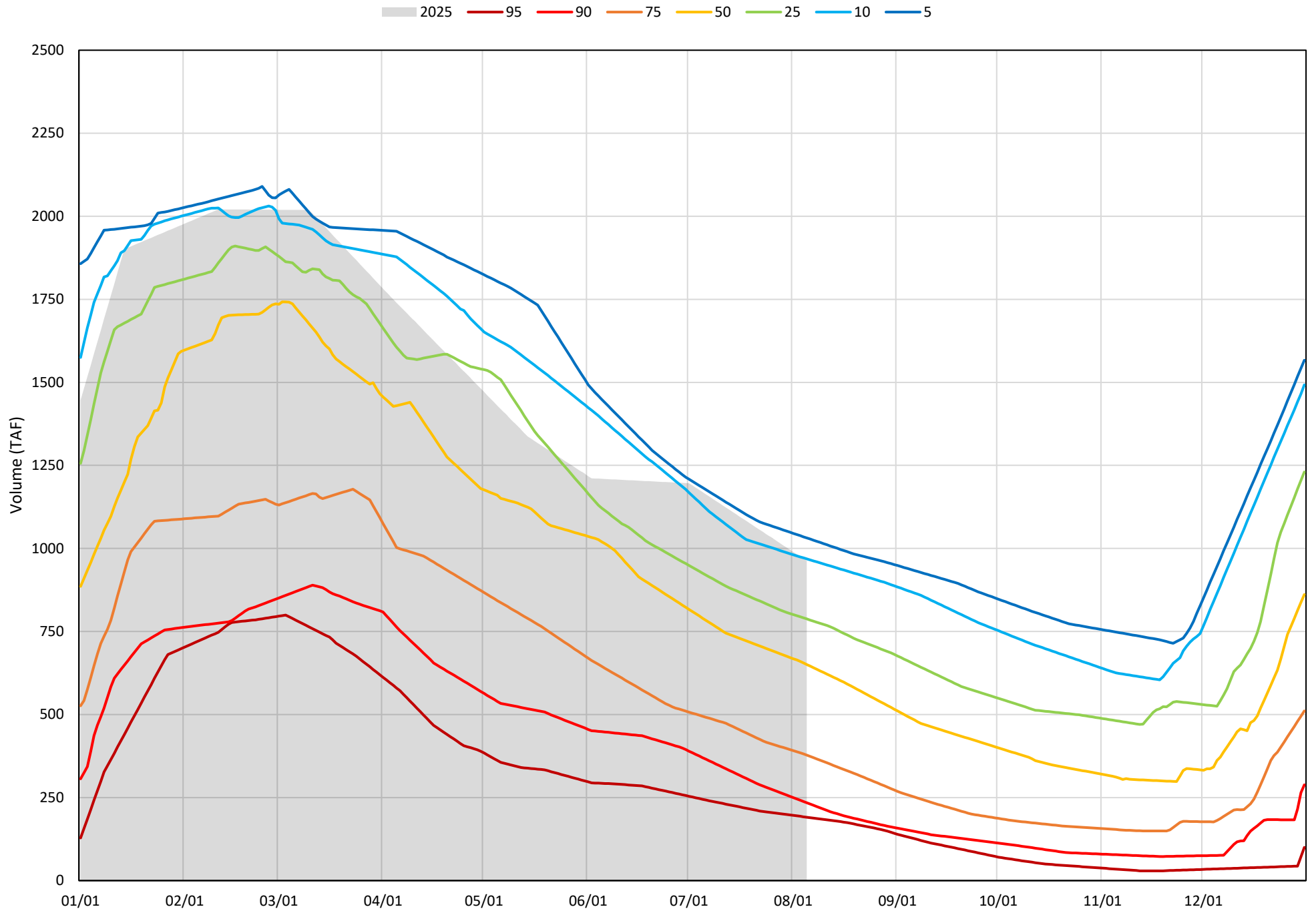
Trinity Lake Cold Water Pool Volume $\leq 52^{\circ}\text{F}$ - Percent Exceedances (2000-2024)



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)

Aug-06 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	-141	-223	-312	225	-11	-20	-32	21
2001	-312	-305	-308	308	-25	-28	-32	28
2002	-293	-268	-254	272	-24	-24	-26	25
2003	72	-58	-186	105	6	-5	-19	10
2004	-255	-303	-383	314	-21	-27	-40	29
2005	-83	-154	-363	200	-7	-14	-38	19
2006	68	18	-112	66	6	2	-12	6
2007	-251	-218	-198	222	-20	-20	-21	20
2008	-531	-536	-560	542	-43	-48	-58	50
2009	-620	-600	-609	610	-51	-54	-63	56
2010	-281	-333	-474	363	-23	-30	-49	34
2011	175	120	-19	105	14	11	-2	9
2012	14	58	43	39	1	5	4	4
2013	-434	-401	-409	415	-35	-36	-42	38
2014	-857	-779	-706	781	-70	-70	-73	71
2015	-889	-831	-762	827	-72	-75	-79	76
2016	-697	-702	-661	687	-57	-63	-69	63
2017	-138	-207	-270	205	-11	-19	-28	19
2018	-207	-177	-164	183	-17	-16	-17	17
2019	128	130	80	113	10	12	8	10
2020	-341	-285	-310	312	-28	-26	-32	29
2021	-787	-716	-649	717	-64	-65	-67	65
2022	-946	-864	-776	862	-77	-78	-81	79
2023	-384	-390	-409	394	-31	-35	-42	36
2024	-46	-71	-116	78	-4	-6	-12	7
2025	0	0	0	0	0	0	0	0

Historical - Current

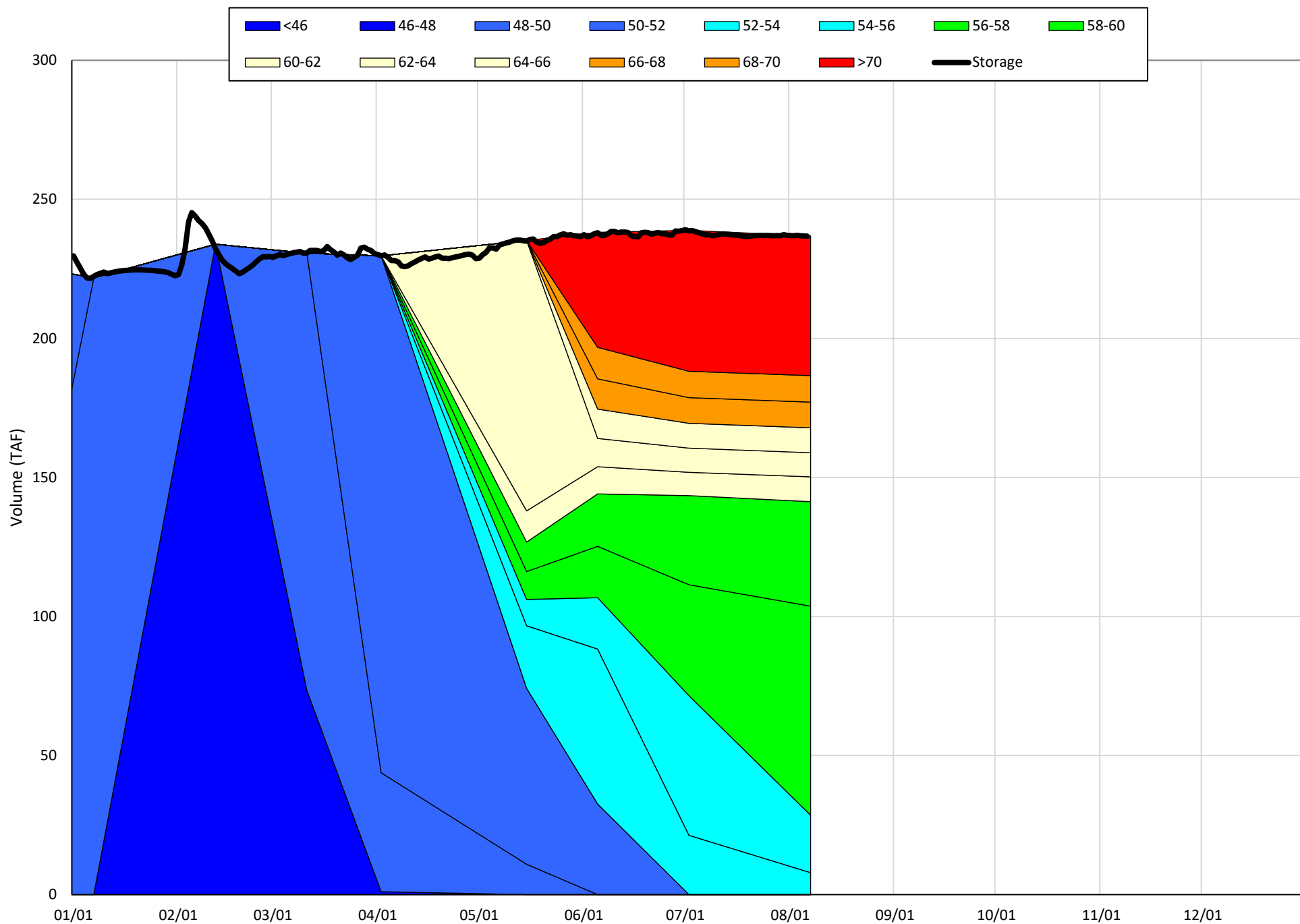
(Historical - Current) / Current

Whiskeytown Lake Isothermobaths & Cold Water Pool Statistics

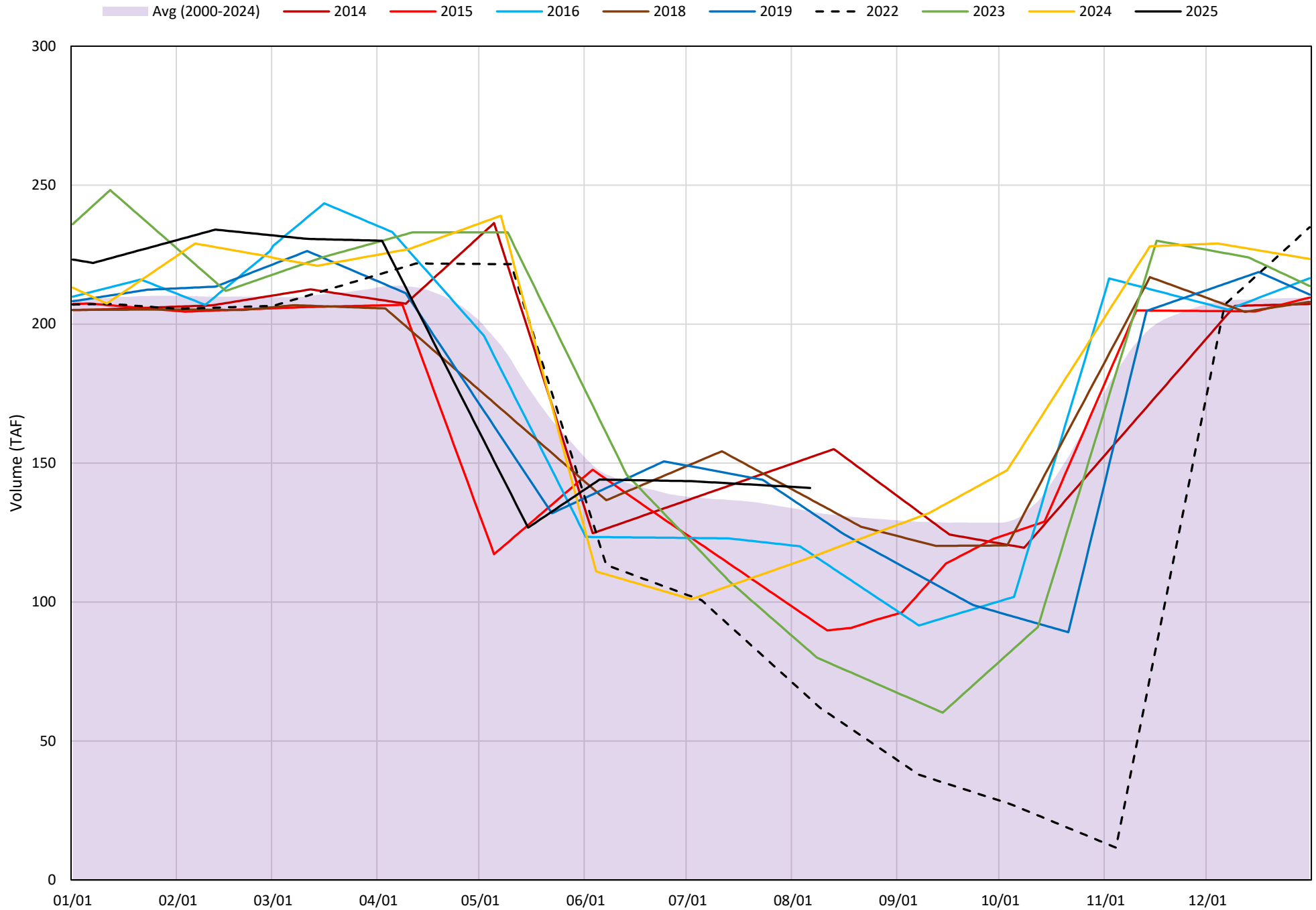
2025

Page	Description
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26	- Whiskeytown Lake Cold Water Pool Volume ≤58°F
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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

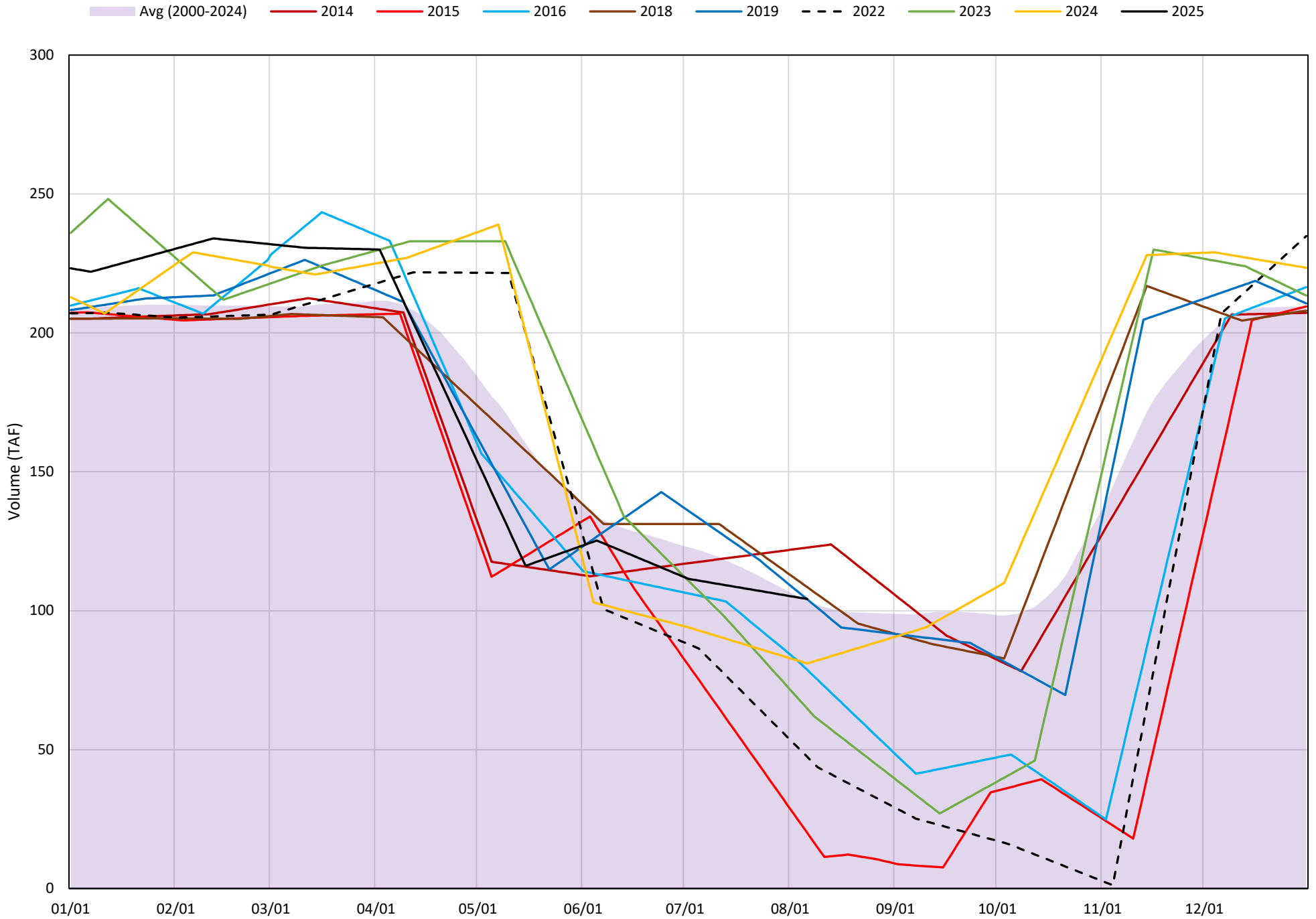
Whiskeytown Lake Isothermobaths Plot - 2025



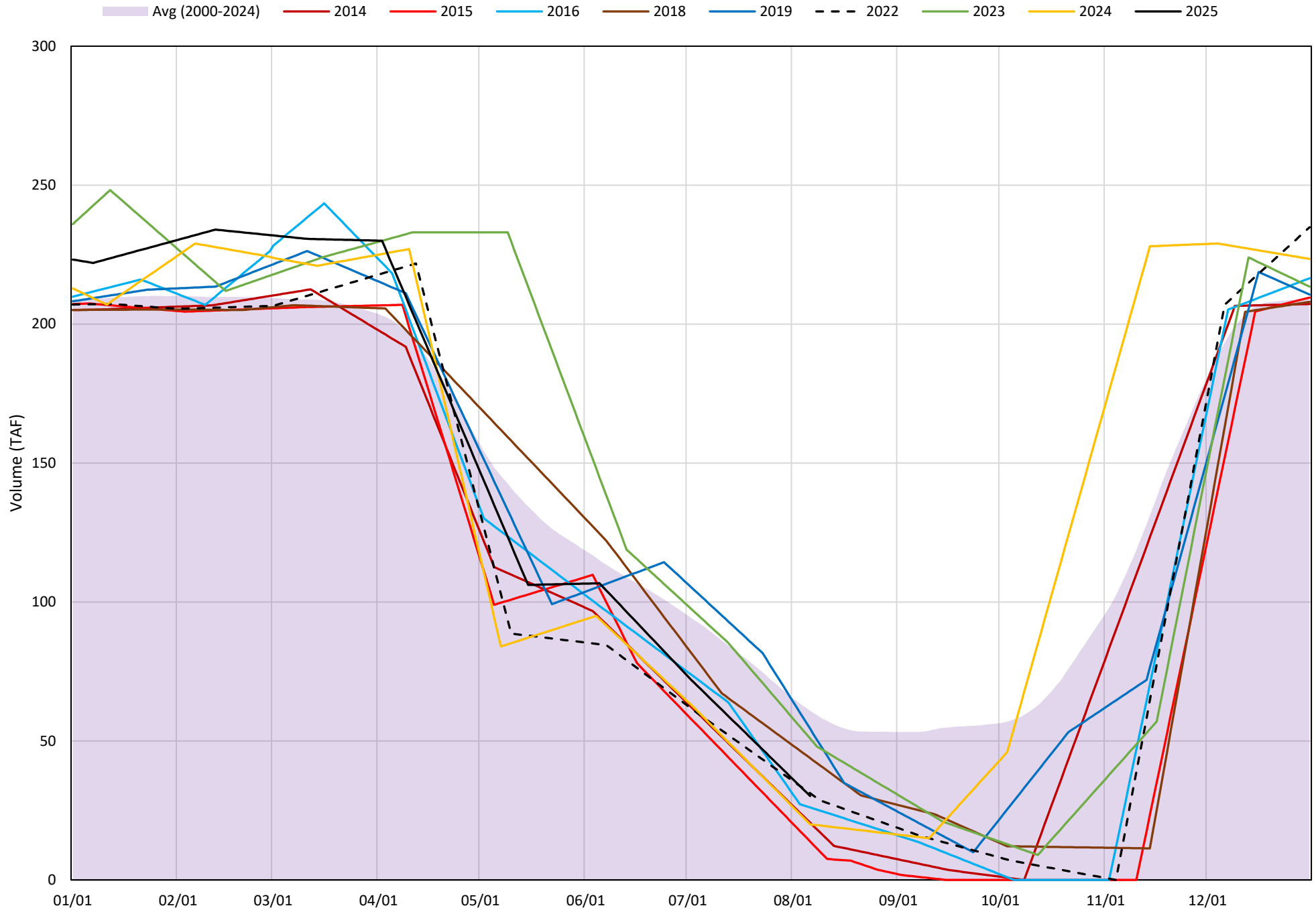
Whiskeytown Lake Cold Water Pool Volume ≤60°F



Whiskeytown Lake Cold Water Pool Volume ≤58°F

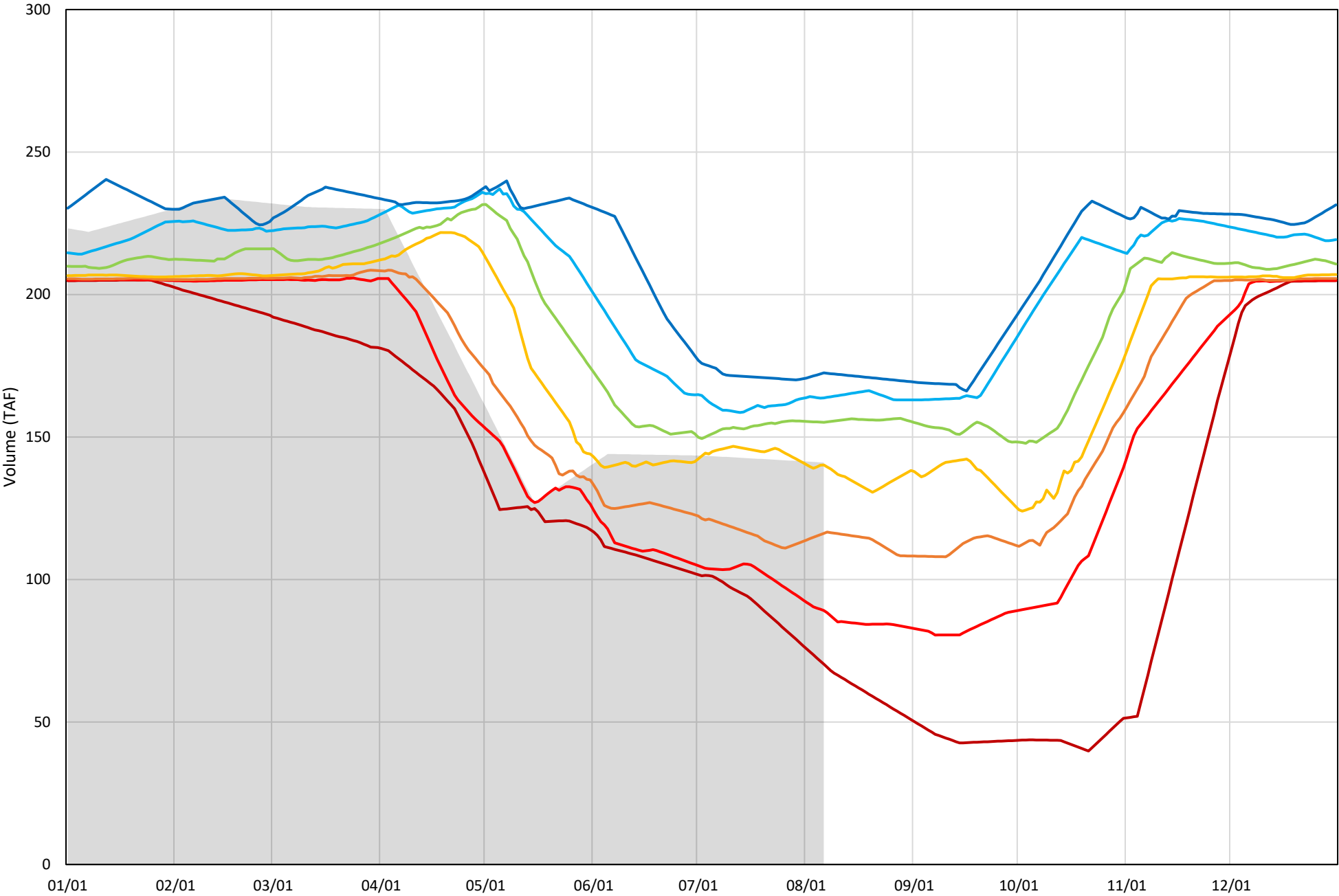


Whiskeytown Lake Cold Water Pool Volume ≤56°F



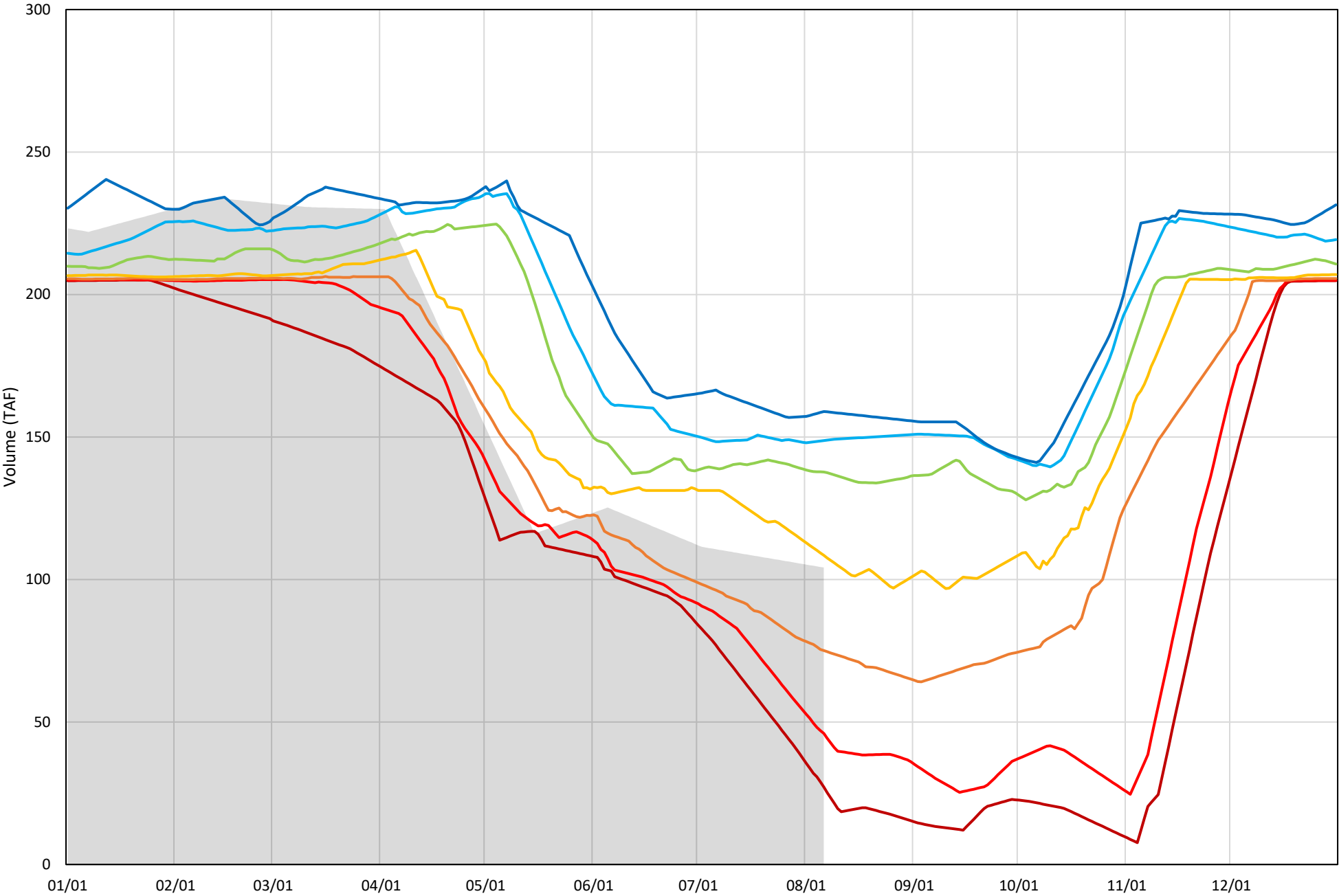
Whiskeytown Lake Cold Water Pool Volume ≤60°F - Percent Exceedances (2000-2024)

2025 95 90 75 50 25 10 5



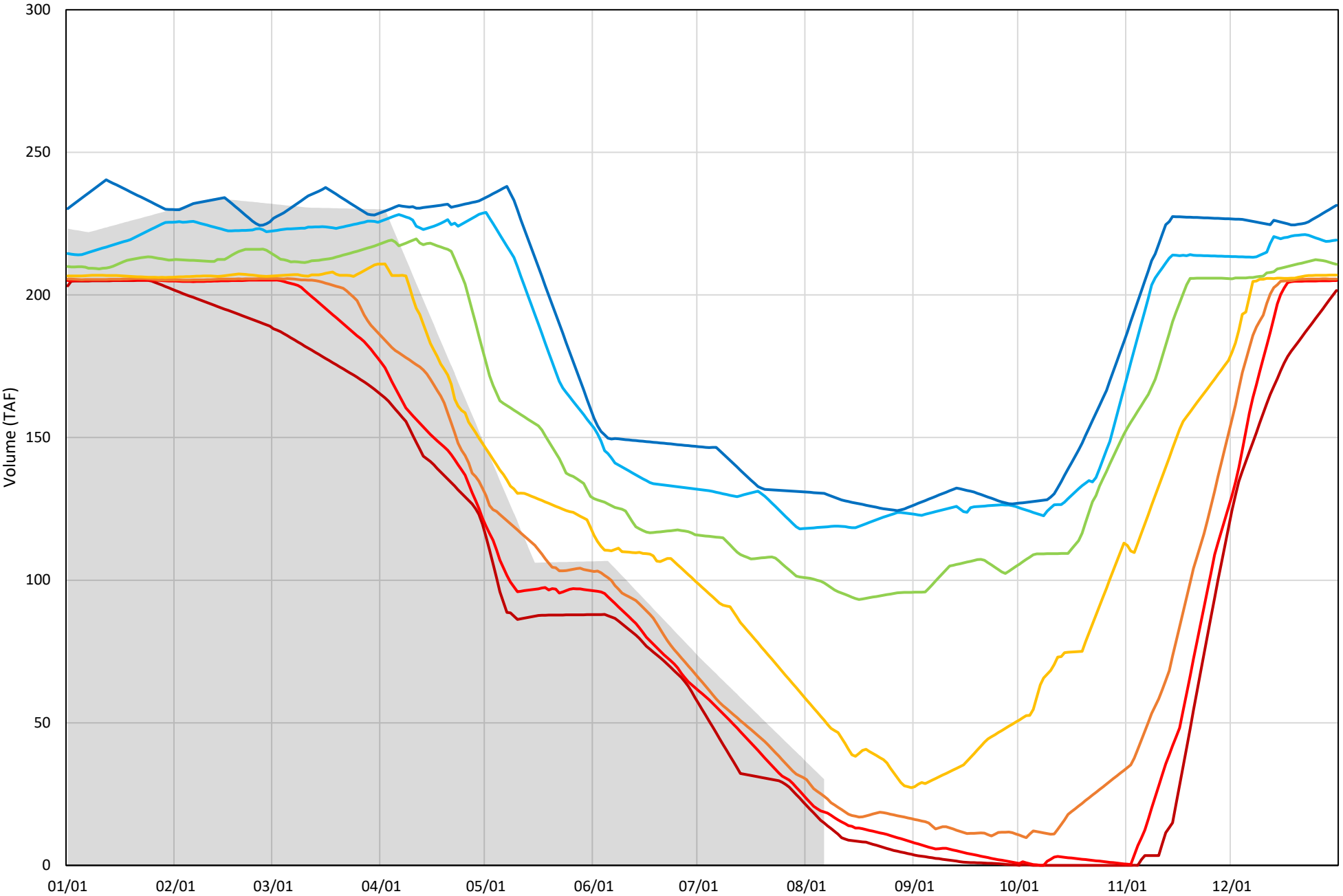
Whiskeytown Lake Cold Water Pool Volume ≤58°F - Percent Exceedances (2000-2024)

2025 95 90 75 50 25 10 5



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)

Aug-07 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	-0.3	30.6	91.2	40.7	-0.2	29.4	301.9	110.5
2001	17.5	41.9	86.6	48.7	12.4	40.2	286.9	113.2
2002	14.0	34.3	62.9	37.1	10.0	32.9	208.2	83.7
2003	7.3	22.5	43.4	24.4	5.2	21.6	143.8	56.8
2004	14.1	28.0	52.8	31.6	10.0	26.9	174.7	70.5
2005	-47.3	-56.9	-10.5	38.2	-33.6	-54.6	-34.7	40.9
2006	28.1	48.5	82.0	52.9	19.9	46.6	271.7	112.7
2007	18.7	32.8	65.3	38.9	13.2	31.5	216.2	87.0
2008	19.1	39.0	72.9	43.7	13.5	37.4	241.4	97.5
2009	-20.4	-32.8	-13.0	22.1	-14.4	-31.5	-43.1	29.7
2010	-46.2	-60.4	-7.9	38.2	-32.8	-57.9	-26.2	39.0
2011	-0.9	12.9	36.5	16.8	-0.6	12.4	120.9	44.6
2012	-4.2	-8.0	-3.1	5.1	-3.0	-7.7	-10.2	6.9
2013	32.9	57.4	104.2	64.8	23.3	55.1	345.1	141.1
2014	11.0	18.5	-9.6	13.0	7.8	17.8	-31.8	19.1
2015	-47.1	-84.2	-16.4	49.2	-33.4	-80.8	-54.2	56.1
2016	-23.5	-25.5	-4.1	17.7	-16.6	-24.5	-13.6	18.2
2017	14.1	34.5	72.4	40.3	10.0	33.1	239.8	94.3
2018	-4.0	4.3	13.6	7.3	-2.9	4.1	45.2	17.4
2019	-8.5	-0.2	24.2	11.0	-6.0	-0.2	80.0	28.8
2020	-24.7	-23.2	10.6	19.5	-17.5	-22.3	35.2	25.0
2021	-0.4	-7.4	2.0	3.3	-0.3	-7.1	6.5	4.6
2022	-75.9	-56.9	1.0	44.6	-53.8	-54.6	3.3	37.2
2023	-58.9	-39.5	20.7	39.7	-41.8	-37.9	68.4	49.4
2024	-25.1	-23.2	-10.2	19.5	-17.8	-22.3	-33.8	24.6
2025	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Historical - Current

(Historical - Current) / Current