

Northern CVP Water Temperature Report

January - 2026

Page	Description
2	- Mean Daily Water Temperature, Release Flow Rates and Air Temperatures with Monthly Averages
3	- Sacramento River Mean Daily Water Temperature Plot
4	- Trinity River Mean Daily Water Temperature Plot
5	- Shasta Lake Isothermobaths & Cold Water Pool Statistics
14	- Trinity Lake Isothermobaths & Cold Water Pool Statistics
23	- Whiskeytown Lake Isothermobaths & Cold Water Pool Statistics
x	- TCD Configuration (External Link)



— 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
Dec	54.6	53.8	53.2	53.2	53.0	52.9	52.2	51.6	51.5	51.6	46.2	45.9	46.3	3561	525	4450	47.8	46.3	47.4
01/01	53.2	52.5	52.4	52.2	52.2	52.2	51.4	51.1	51.1	50.5	45.4	45.9	46.2	5574	1859	7313	48.5	48.7	48.6
01/02	53.1	52.6	52.2	52.2	52.1	52.4	51.9	51.6	51.6	51.1	45.6	46.3	46.6	5119	1853	7398	54.0	54.6	55.5
01/03	52.9	52.3	52.2	52.2	52.3	52.5	52.6	52.3	52.6	51.8	45.7	46.4	46.8	7965	1857	9994	55.5	56.2	56.0
01/04	52.8	52.1	52.3	52.2	52.3	52.4	52.4	52.1	52.4	51.6	45.8	46.7	47.3	8289	1860	10007	52.0	53.0	53.0
01/05	52.7	52.3	52.2	52.0	51.9	52.0	51.5	51.3	51.5	51.7	#	46.0	46.8	6357	1860	9910	49.0	49.2	50.2
01/06	52.7	52.3	52.2	52.0	52.1	52.2	51.9	51.3	51.3	52.2	#	46.5	47.1	5513	1923	9945	51.0	48.9	50.5
01/07	52.6	51.9	52.2	52.1	52.1	52.2	52.2	51.9	51.9	50.9	!	46.3	47.1	12298	1919	15009	49.0	48.1	49.1
01/08	53.1	52.3	51.9	51.6	51.6	51.6	51.1	50.8	50.9	48.9	#	#	45.2	12605	1893	15084	44.0	42.4	45.8
01/09	53.6	52.9	51.8	52.1	51.8	51.8	50.7	49.8	49.6	48.6	#	#	44.3	11975	1915	15057	51.0	42.8	46.4
01/10	53.4	52.7	51.6	52.4	52.2	52.3	51.3	50.4	50.0	48.8	#	#	44.2	12290	1942	15091	47.0	42.4	45.0
01/11	53.2	52.5	51.6	52.2	52.1	52.2	51.4	50.7	50.5	48.8	#	#	44.3	11630	1934	14884	48.5	43.2	47.0
01/12	53.2	52.4	51.5	52.1	52.0	52.1	51.4	50.7	50.5	49.0	#	!	44.1	12983	1859	14983	47.0	43.1	45.8
01/13	53.1	52.3	51.3	52.2	52.1	52.1	51.4	50.8	50.6	48.8	#	44.7	44.5	14026	565	14969	50.5	44.0	47.0
01/14	53.1	52.3		52.3	52.2	52.3	51.7	51.1	50.9	49.2	45.4	45.0	44.9	13564	7	14805	52.0	47.3	48.8
01/15	53.1	52.3		52.3	52.2	52.3	51.9	51.5	51.4	49.3	45.6	45.3	45.2	14459	9	14784	56.5	49.9	53.3
01/16	52.9	52.2	50.9	52.3	52.3	52.4	52.1	51.7	51.6	49.2	45.7	45.3	45.2	14118	14118	14880	59.5	50.1	57.2
01/17	52.9	52.1	51.2	51.9	52.0	52.0	51.8	51.5	51.5	48.7	45.8	45.4	45.2	12687	1973	14880	52.5	46.2	49.9
01/18	52.6	51.9	51.0	51.8	51.8	51.9	51.6	51.2	51.1	48.8	45.8	45.6	45.6	16302	1981	14871	59.0	45.6	49.2
01/19	52.7	51.9	51.1	51.6	51.7	51.7	51.5	51.2	51.2	49.0	45.8	45.5	45.5	12397	1983	14893	53.5	48.3	50.0
01/20	52.6	51.8	51.0	51.6	51.6	51.6	51.5	51.3	51.3	48.8	45.8	45.5	45.5	12428	1986	14919	51.0	45.8	48.7
01/21	52.4	51.6	50.9	51.5	51.5	51.5	51.4	#	51.2	48.9	45.9	45.7	45.7	12121	1996	14968	48.0	47.9	49.3
01/22	52.3	51.6	50.9	51.4	51.5	51.5	51.6	#	51.5	49.2	45.8	45.9	46.0	10913	2005	13359	57.0	51.3	52.0
01/23	52.3	51.5	50.9	51.3	51.4	51.4	51.3	#	51.3	48.5	45.9	45.6	45.7	9820	2020	11718	51.0	48.5	46.4
01/24	52.5	51.6	50.9	51.1	51.2	51.0	50.9	#	50.9	48.3	45.9	45.3	45.2	8334	2023	10187	52.5	53.1	52.7
01/25	52.5	51.5	50.6	51.2	51.1	50.8	50.2	#	49.8	47.7	45.8	44.0	43.6	9083	609	8686	39.0	37.8	42.0
01/26	52.1	51.2	50.4	51.2	51.1	51.0	50.4	#	49.6	47.6	45.7	43.9	43.4	6081	604	7648	44.5	40.8	43.8
01/27	52.1	51.1	50.3	50.9	50.9	50.8	50.3	!	49.7	48.0	45.5	44.2	43.8	5120	600	6665	44.0	43.1	45.9
01/28	52.0	51.0	50.3	50.9	51.0	51.2	51.2	!	50.8	48.8	45.5	45.5	45.7	5324	1101	6579	50.0	49.3	50.9
01/29	51.9	51.1	50.4	50.9	50.9	50.9	50.8	!	50.9	48.4	45.6	45.3	45.8	8707	1272	9981	51.0	46.7	50.3
01/30	51.8	51.0	50.2	51.0	51.0	51.1	50.9	!	50.7	48.3	44.6	45.1	45.5	7823	664	8655	50.0	46.0	49.5
01/31	51.7	50.9	50.2	50.9	50.9	50.9	50.7	50.6	50.7	48.2	43.8	44.7	44.9	7605	605	8490	49.0	46.0	50.7
Jan	52.7	52.0	51.3	51.8	51.7	51.8	51.4	51.2	51.0	49.3	45.7	45.5	45.4	10197	1940	12071	50.6	47.1	49.3

Total CFS	313510	58795	370612
Total AF	621834	116617	735094

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

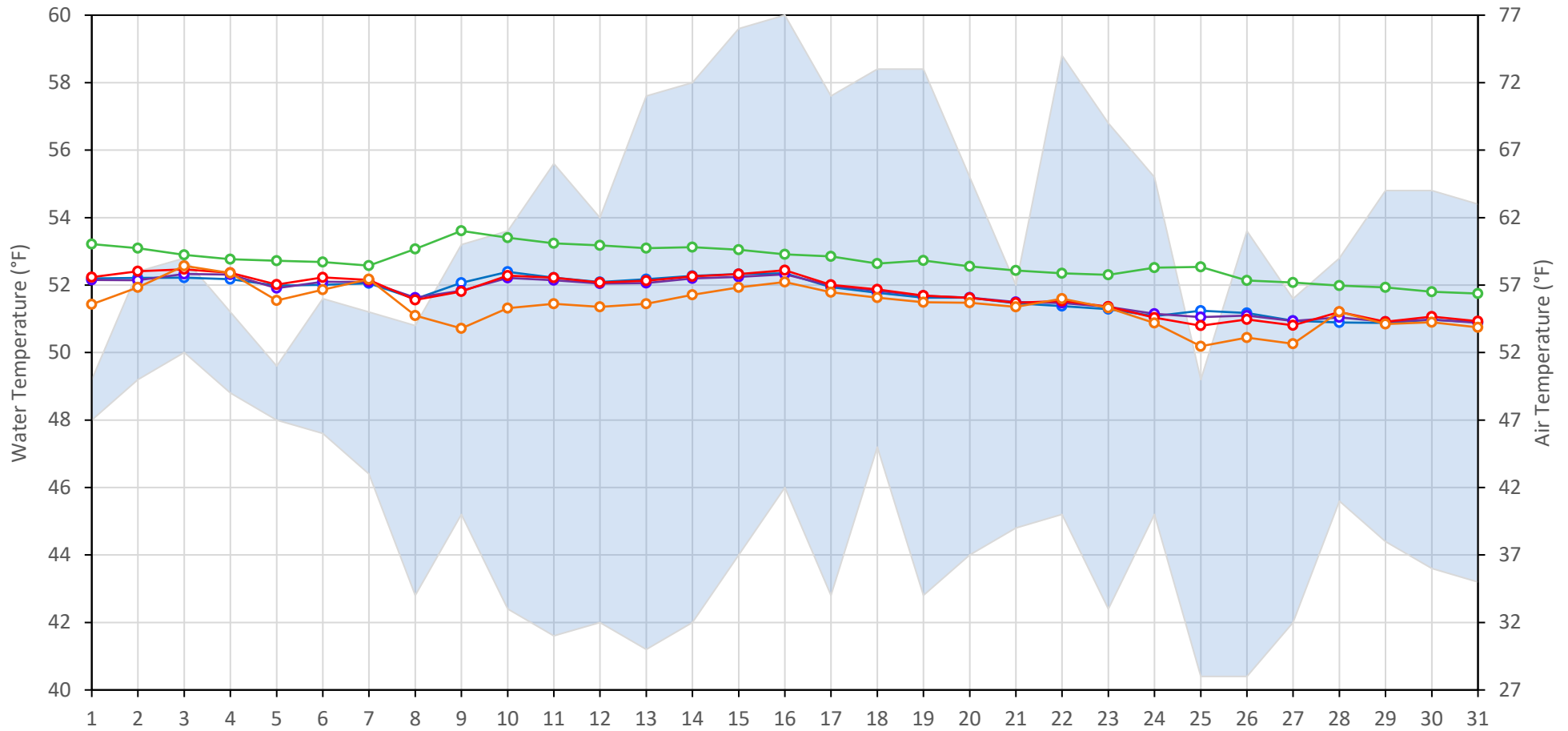
¹ Temperatures are weighted averages based on individual penstock flow and temperature

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)

Sacramento River Mean Daily Temperatures

■ Redding Air (Observed and Forecasted)
 ● KWK
 ● SAC
 ● CCR
 ● BSF
 ● TCD



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

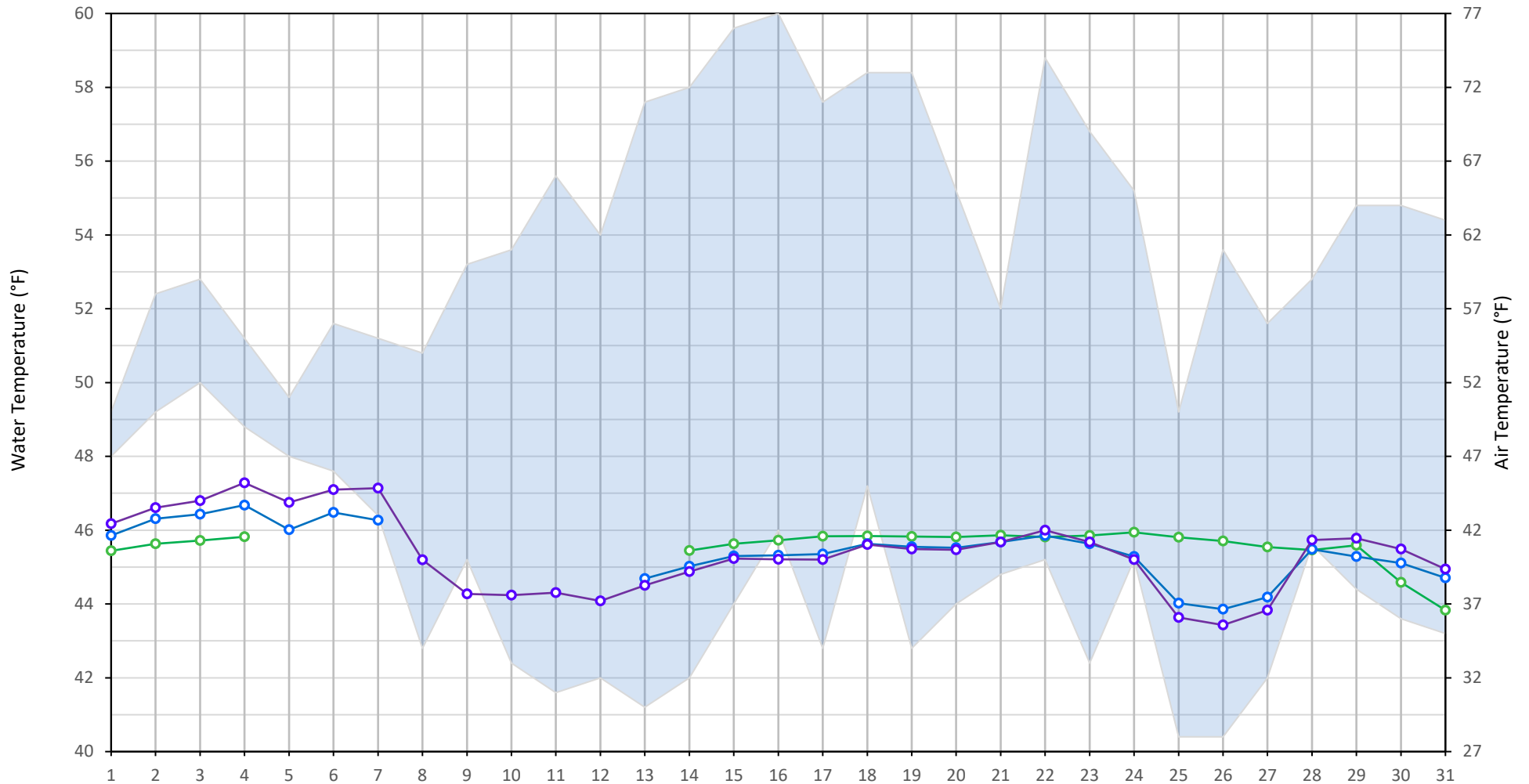
River	Point	Temp. (°F)	Begin Date	End Date
Sacramento	CCR	58.0	3/1/2025	5/14/2025
Sacramento	CCR	53.5	5/15/2025	10/31/2025

Notes

¹ Distances are approximate

Trinity River Mean Daily Temperatures

Redding Air (Observed and Forecasted) LWS DGC NFH



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

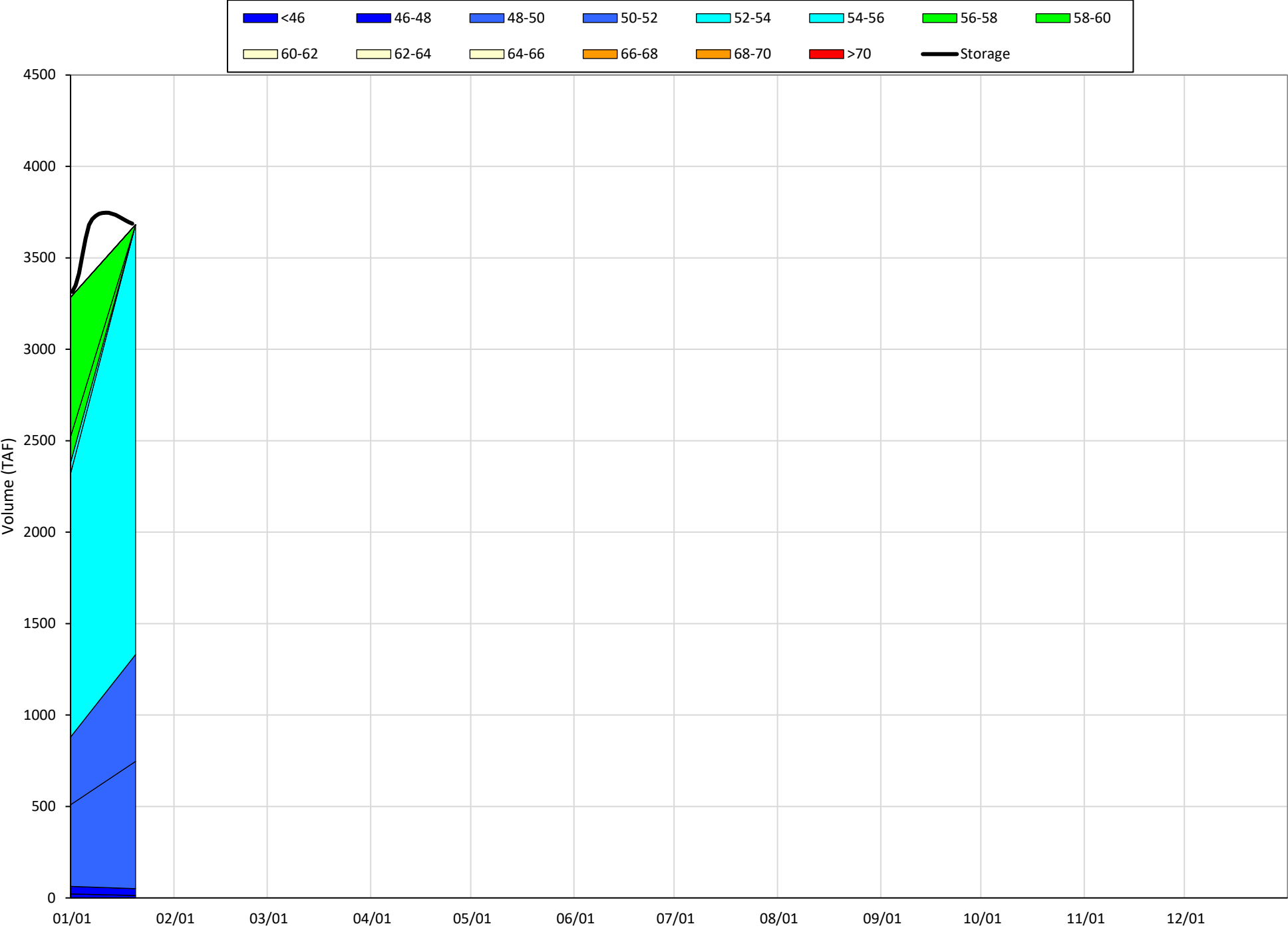
¹ Distances are approximate

Shasta Lake Isothermobaths & Cold Water Pool Statistics

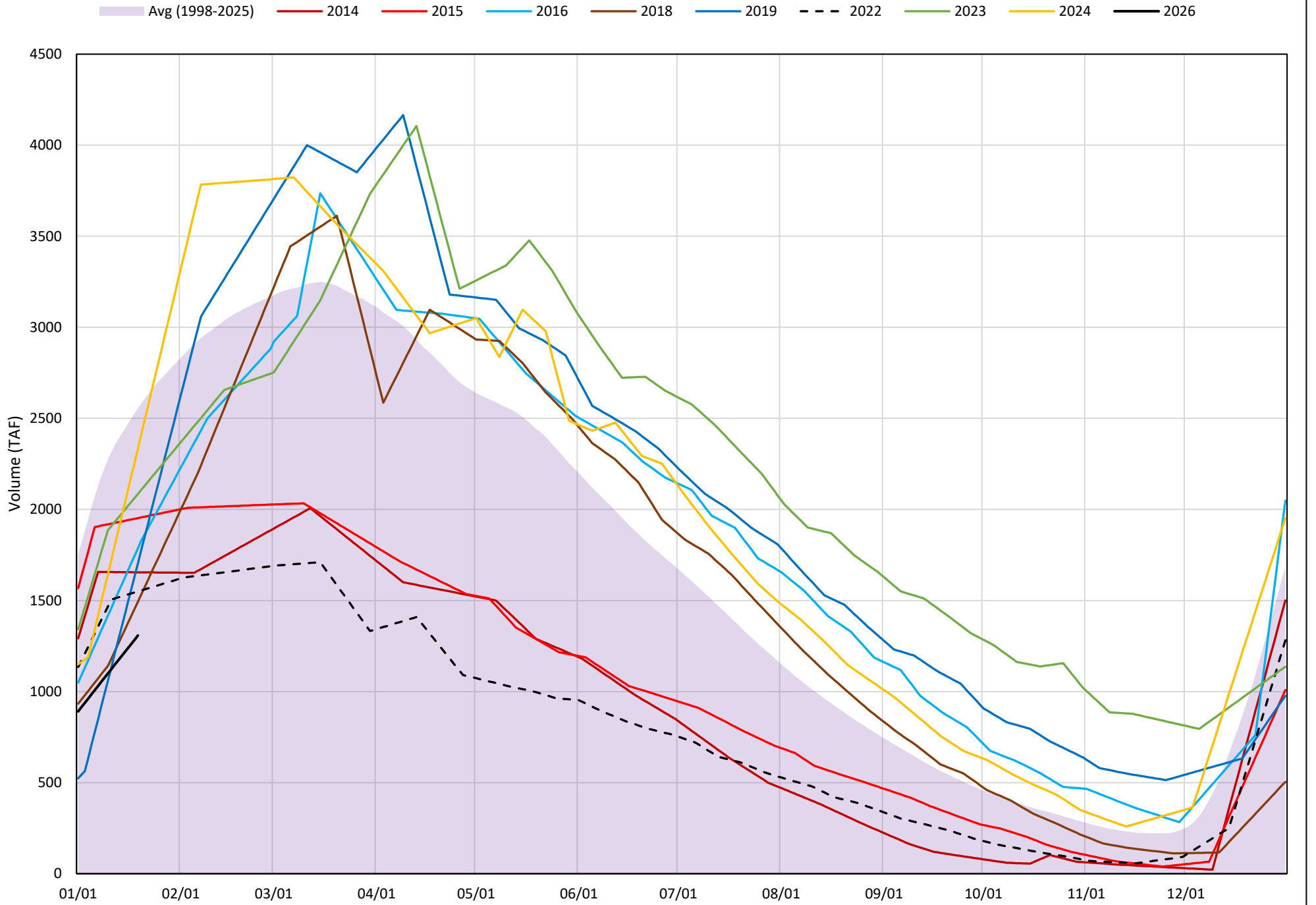
2026

Page	Description
6	- Shasta Lake Isothermobaths Plot
7	- Shasta Lake Cold Water Pool Volume $\leq 52^{\circ}\text{F}$
8	- Shasta Lake Cold Water Pool Volume $\leq 50^{\circ}\text{F}$
9	- Shasta Lake Cold Water Pool Volume $\leq 48^{\circ}\text{F}$
10	- Shasta Lake Cold Water Pool Volume $\leq 52^{\circ}\text{F}$ - Percent Exceedances
11	- Shasta Lake Cold Water Pool Volume $\leq 50^{\circ}\text{F}$ - Percent Exceedances
12	- Shasta Lake Cold Water Pool Volume $\leq 48^{\circ}\text{F}$ - Percent Exceedances
13	- Shasta Lake Cold Water Pool Comparison by Year

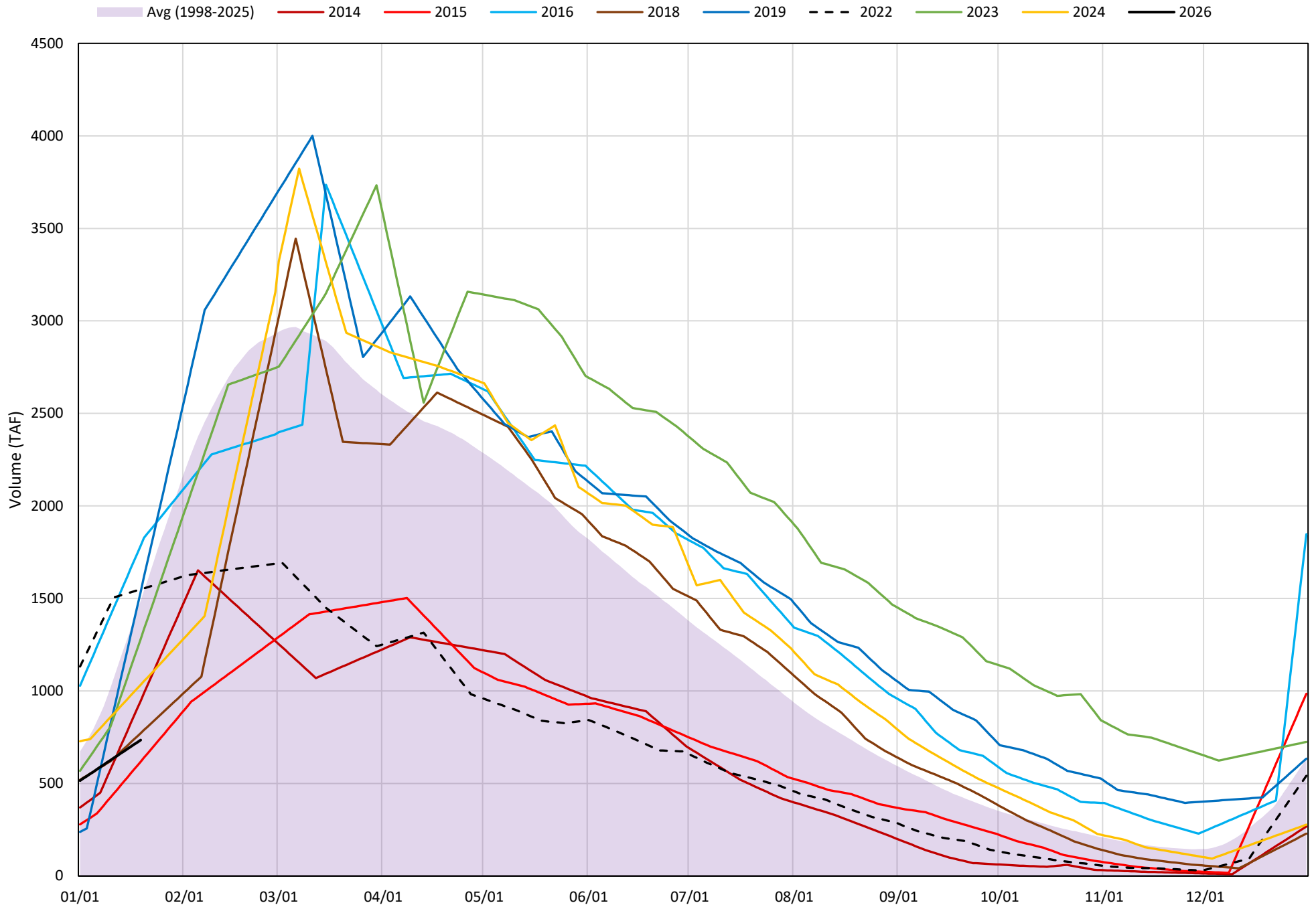
Shasta Lake Isothermobaths Plot - 2026



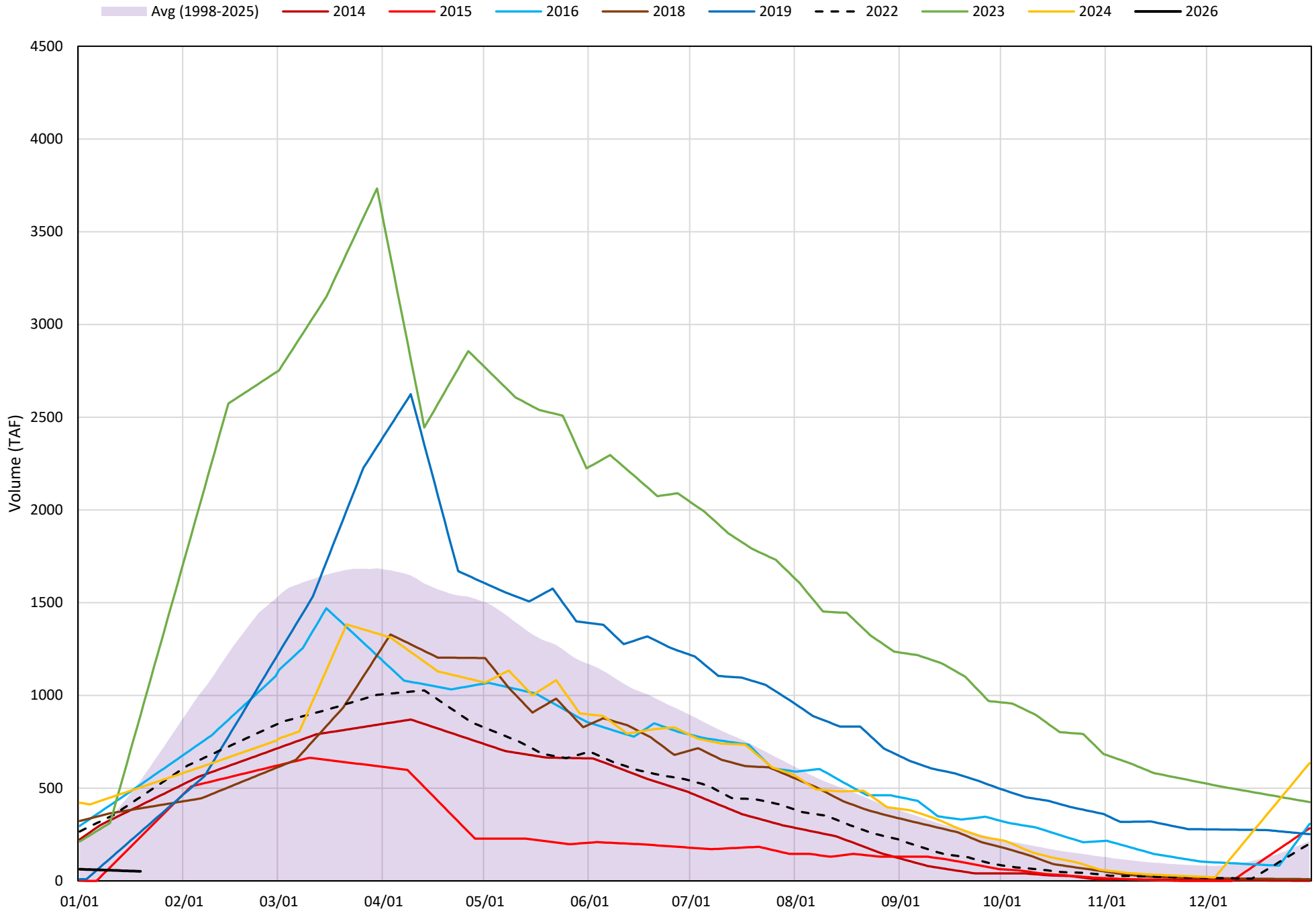
Shasta Lake Cold Water Pool Volume ≤52°F



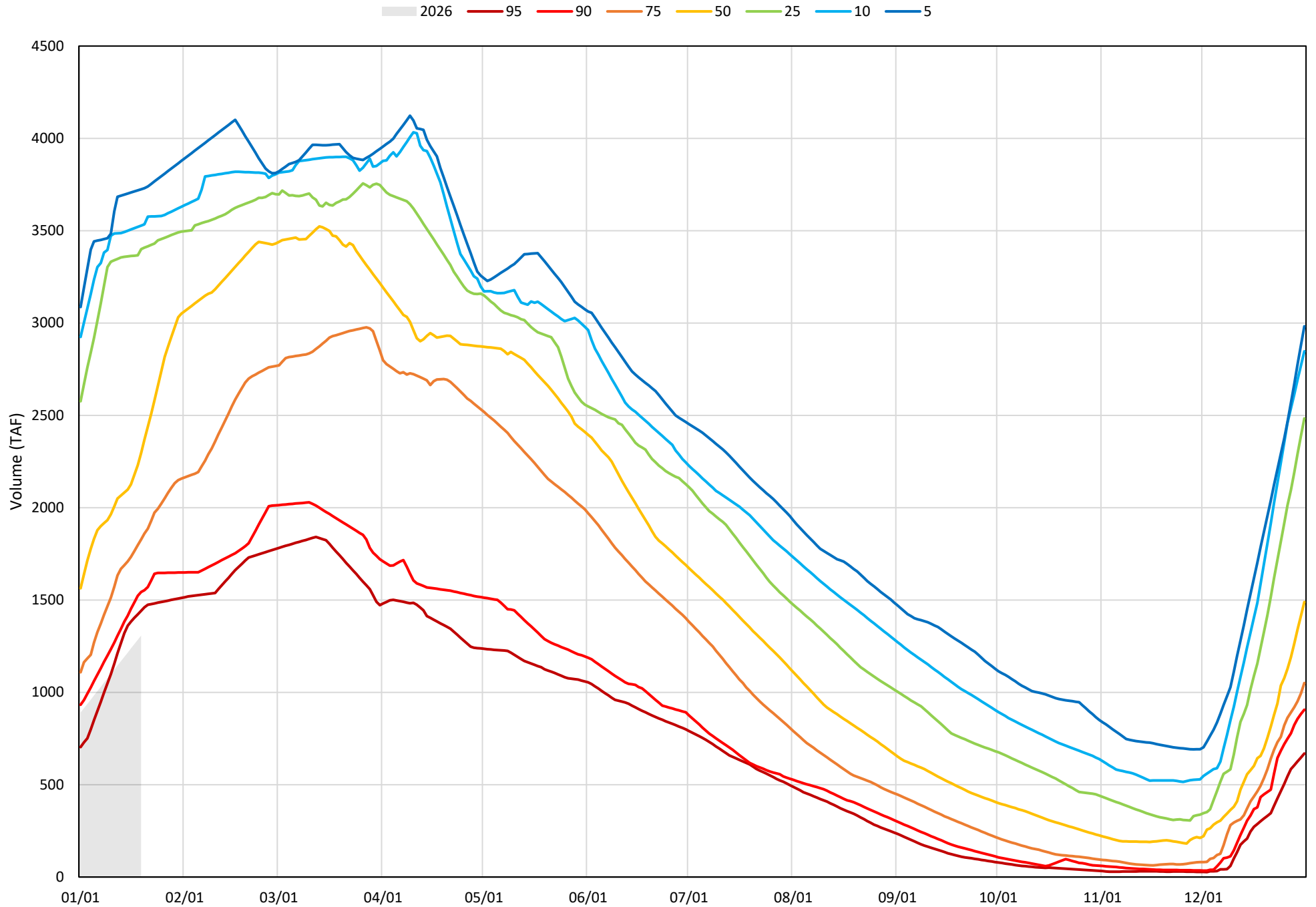
Shasta Lake Cold Water Pool Volume ≤50°F



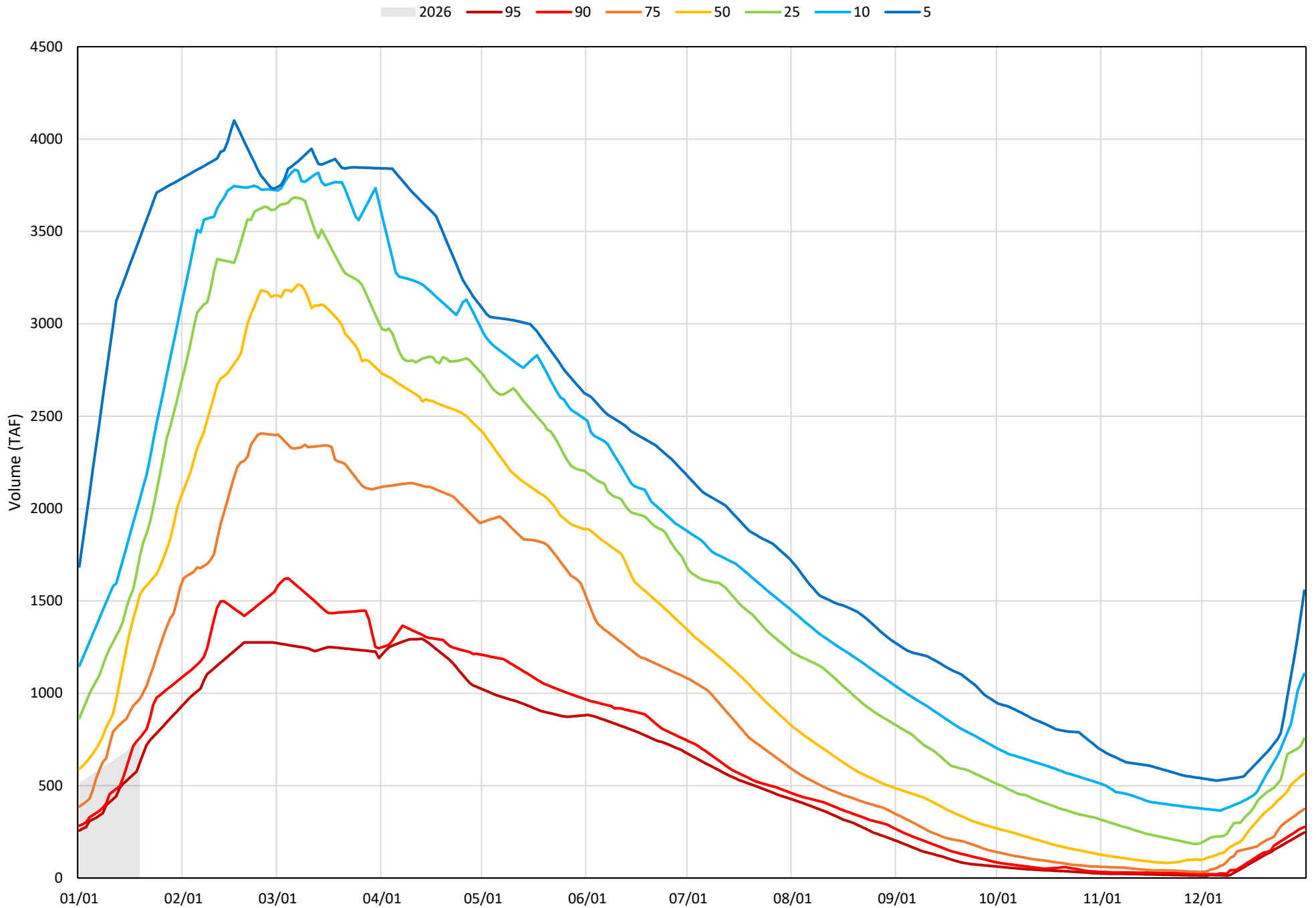
Shasta Lake Cold Water Pool Volume ≤48°F



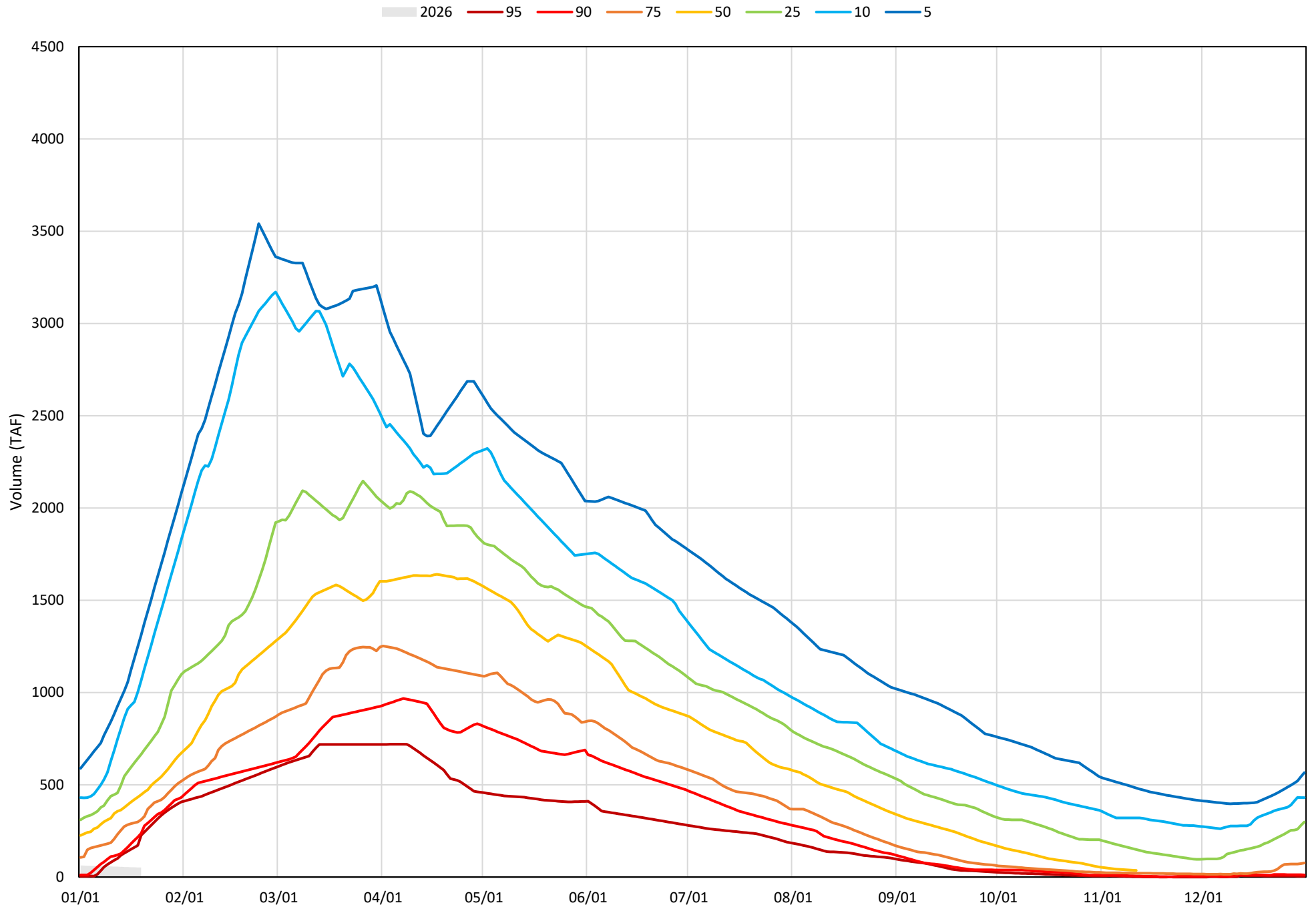
Shasta Lake Cold Water Pool Volume $\leq 52^{\circ}\text{F}$ - Percent Exceedances (1998-2025)



Shasta Lake Cold Water Pool Volume $\leq 50^{\circ}\text{F}$ - Percent Exceedances (1998-2025)



Shasta Lake Cold Water Pool Volume $\leq 48^{\circ}\text{F}$ - Percent Exceedances (1998-2025)



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

Jan-20 2026	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	258	798	258	438	20	109	499	209
1999	2101	1025	1374	1500	161	140	2660	987
2000	2108	215	250	858	161	29	485	225
2001	1663	-97	185	648	127	-13	358	166
2002	1730	2269	517	1506	132	309	1001	481
2003	2066	805	516	1129	158	109	999	422
2004	2214	938	265	1139	169	128	513	270
2005	954	1212	389	852	73	165	754	331
2006	2269	1023	355	1216	174	139	688	334
2007	2058	870	462	1130	157	118	894	390
2008	710	541	1124	791	54	74	2177	768
2009	91	664	218	325	7	90	422	173
2010	923	852	416	730	71	116	805	331
2011	2177	430	346	984	166	58	670	298
2012	1776	973	646	1132	136	132	1252	507
2013	2116	1138	696	1316	162	155	1348	555
2014	347	213	356	305	27	29	689	248
2015	645	-117	185	315	49	-16	358	141
2016	479	1051	467	666	37	143	905	361
2017	2536	3109	1003	2216	194	423	1942	853
2018	185	37	340	187	14	5	658	226
2019	396	803	212	470	30	109	411	183
2020	888	183	363	478	68	25	703	265
2021	789	116	167	357	60	16	323	133
2022	242	815	401	486	18	111	776	302
2023	777	546	842	722	59	74	1631	588
2024	1026	299	453	592	78	41	877	332
2025	1380	408	914	901	105	56	1770	644

Historical - Current

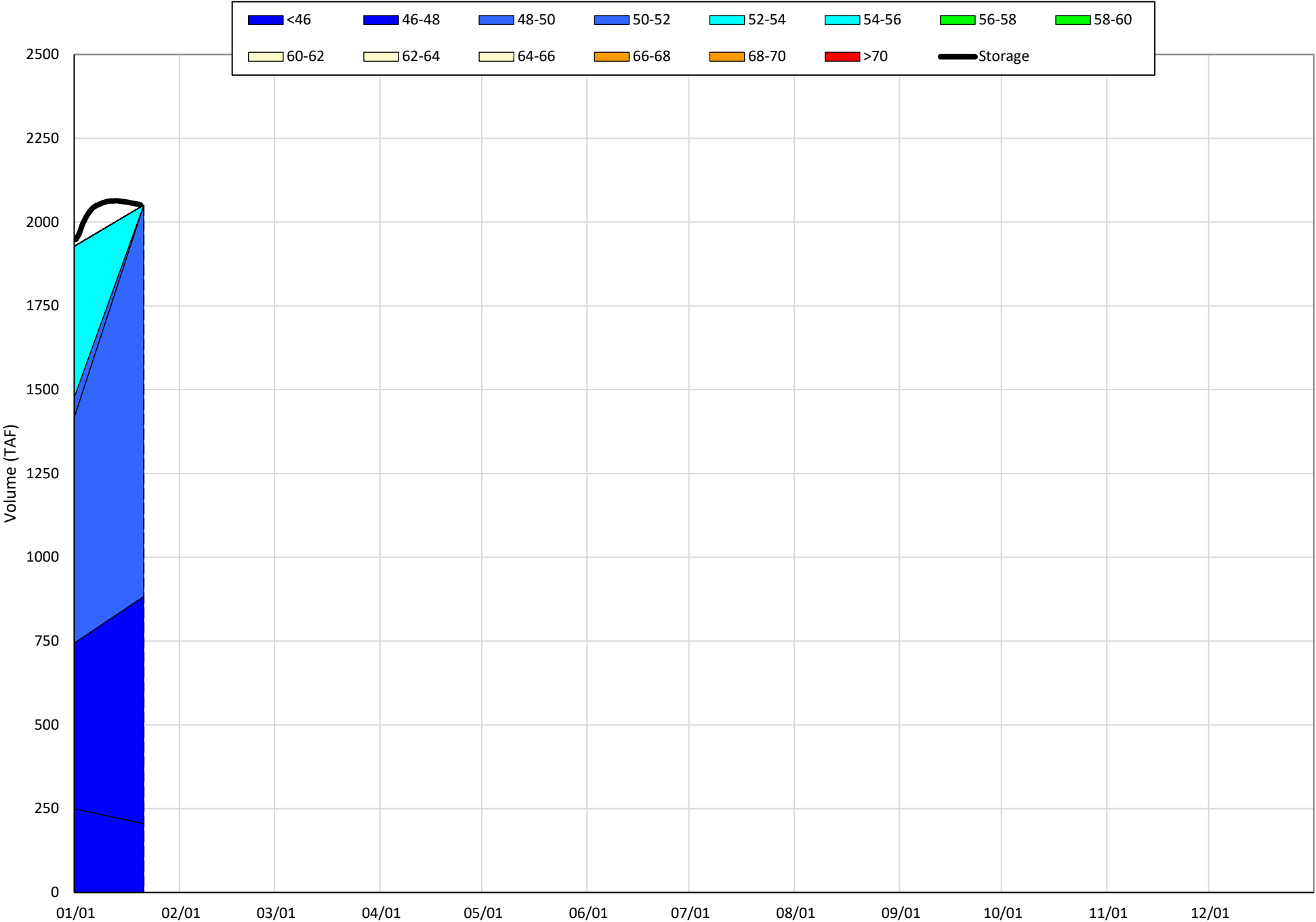
(Historical - Current) / Current

Trinity Lake Isothermobaths & Cold Water Pool Statistics

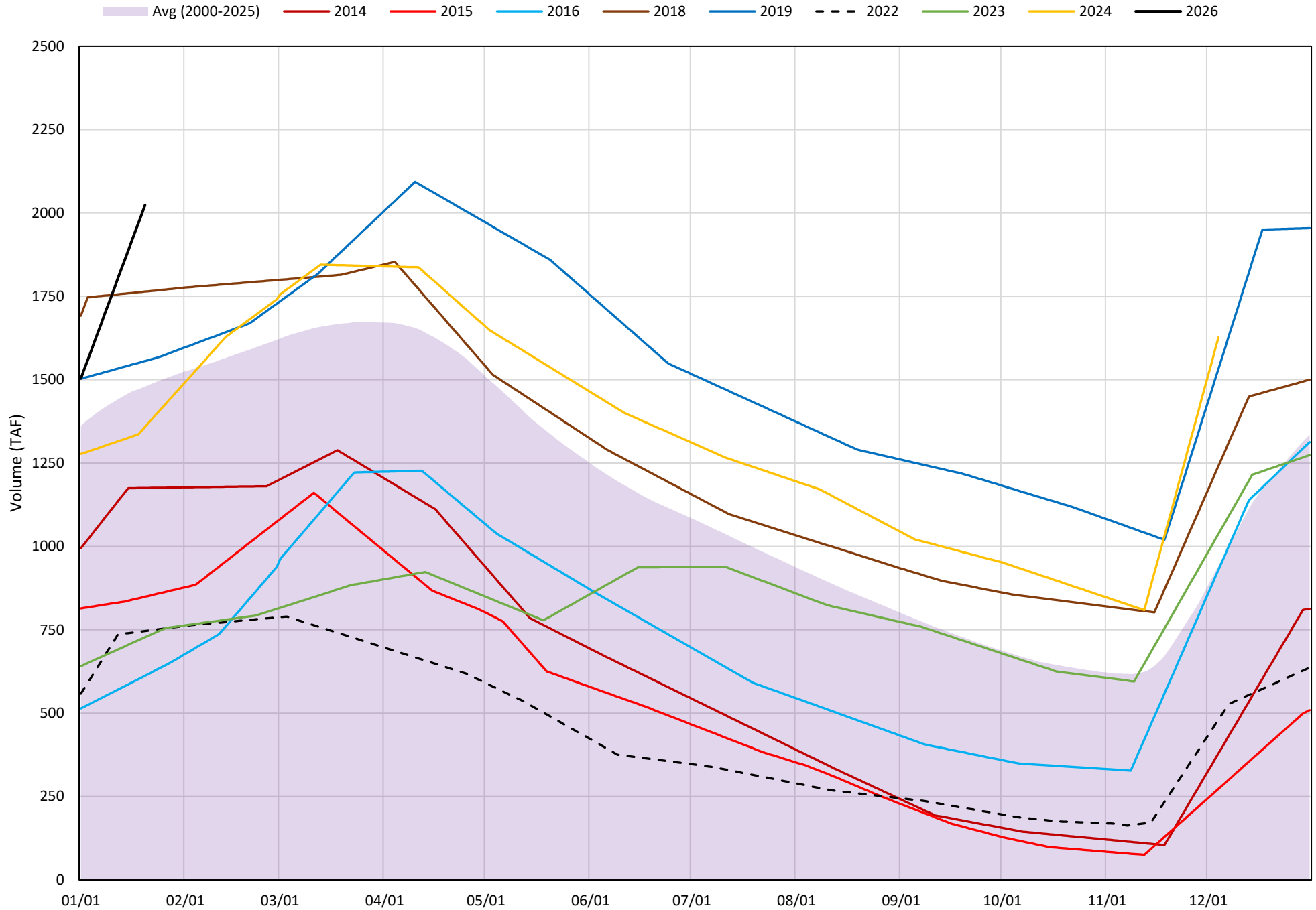
2026

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 $\leq 50^{\circ}\text{F}$
18	- Trinity Lake Cold Water Pool Volume $\leq 48^{\circ}\text{F}$
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

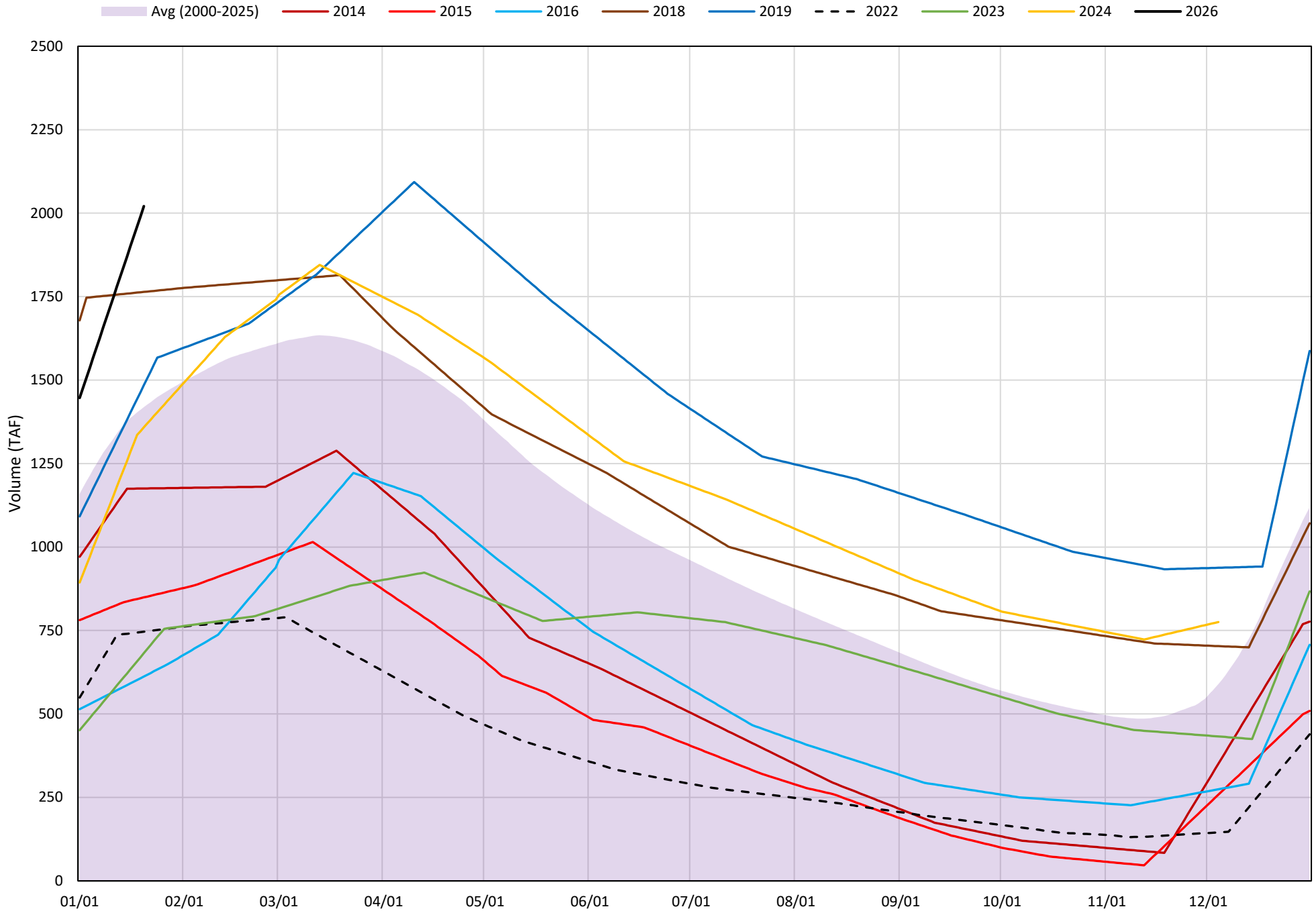
Trinity Lake Isothermobaths Plot - 2026



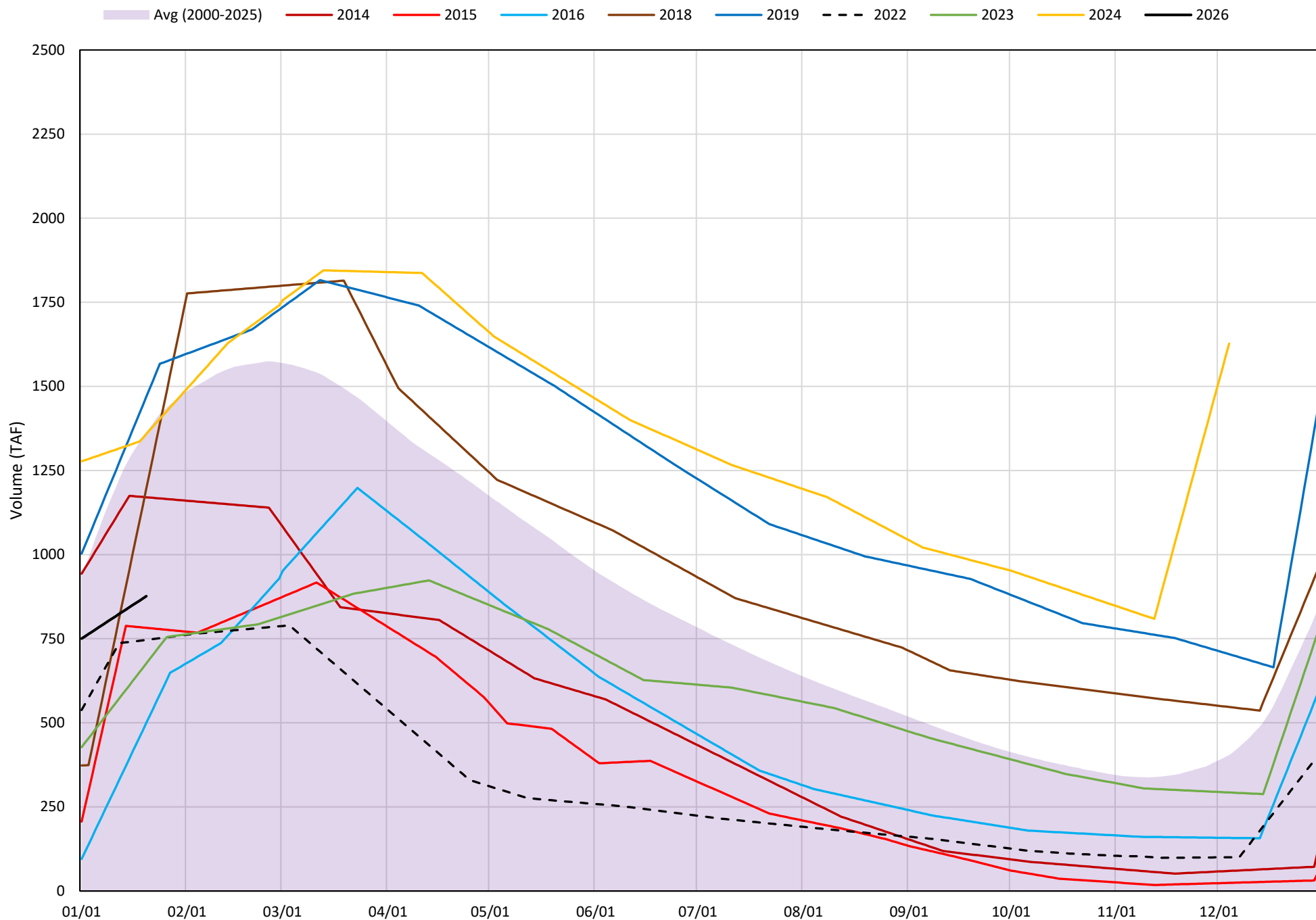
Trinity Lake Cold Water Pool Volume ≤52°F



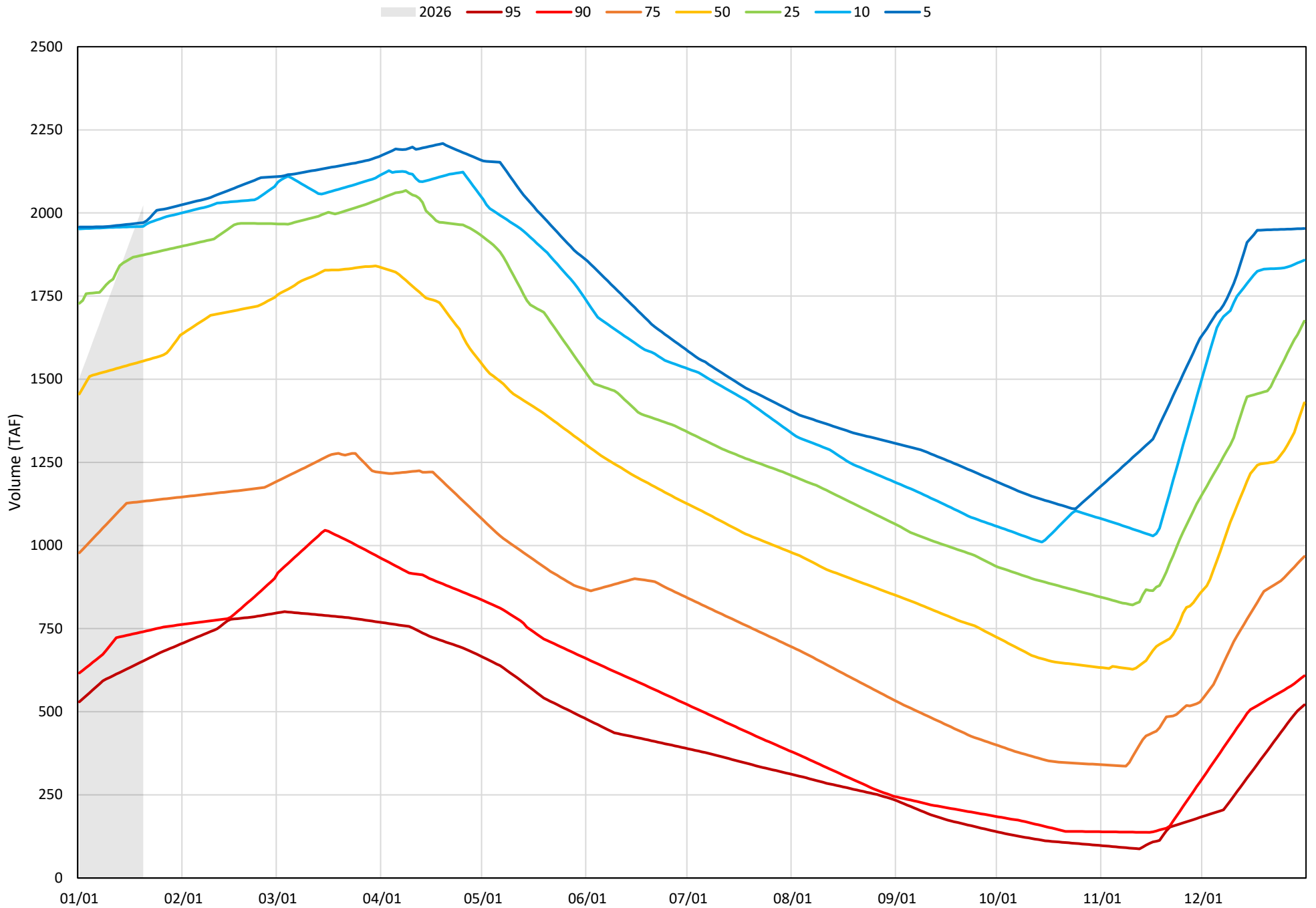
Trinity Lake Cold Water Pool Volume ≤50°F



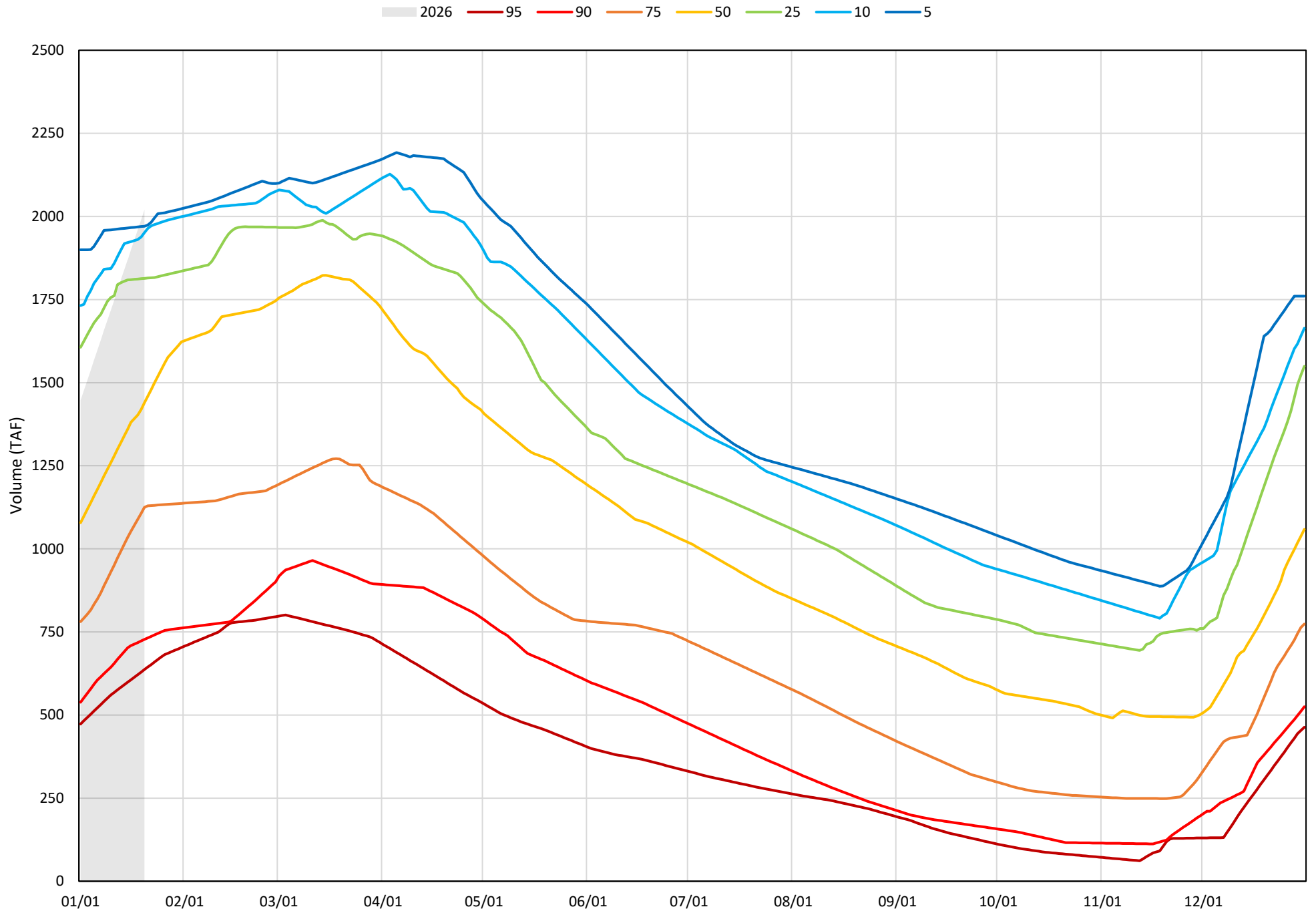
Trinity Lake Cold Water Pool Volume $\leq 48^{\circ}\text{F}$



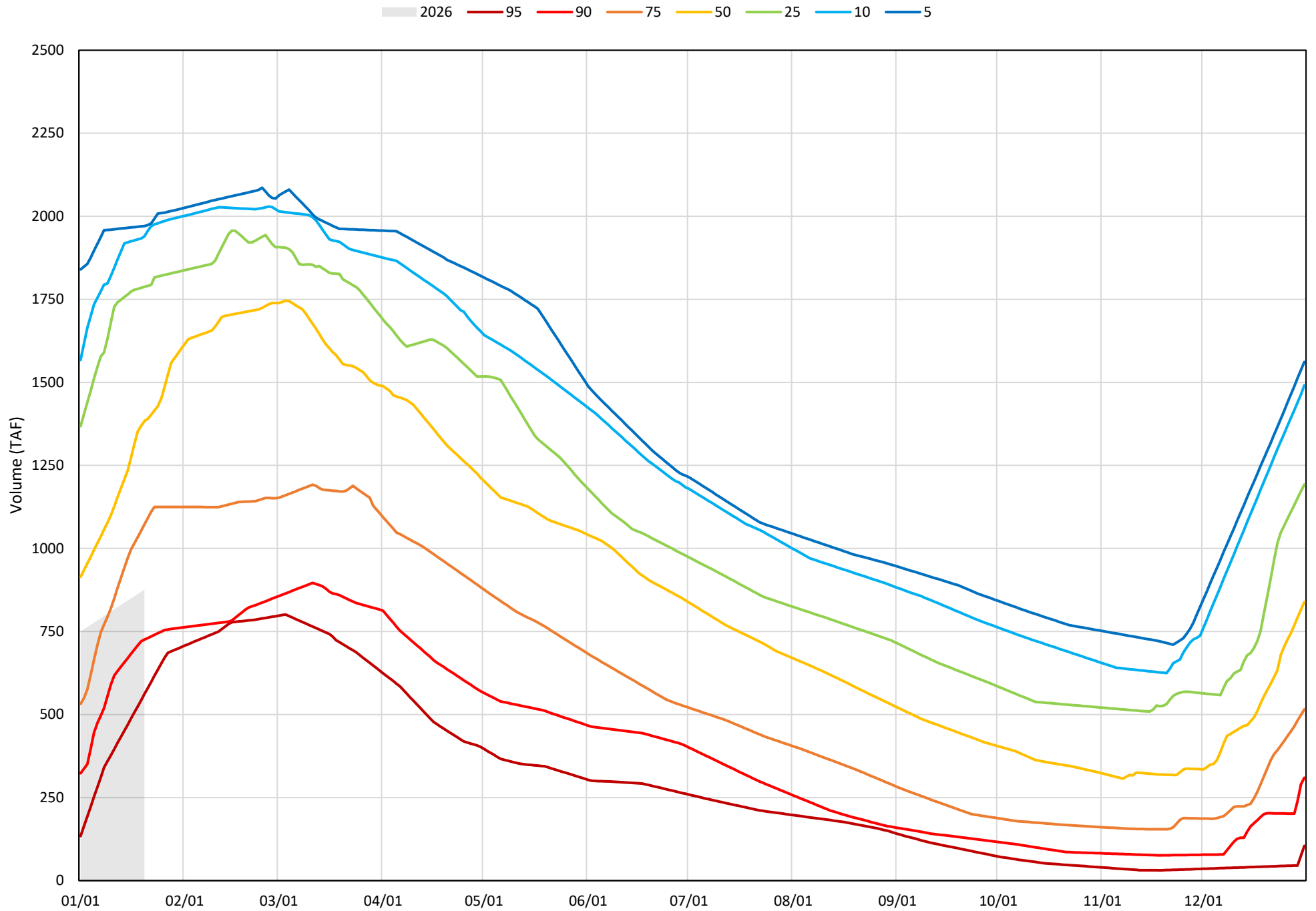
Trinity Lake Cold Water Pool Volume $\leq 52^{\circ}\text{F}$ - Percent Exceedances (2000-2025)



Trinity Lake Cold Water Pool Volume $\leq 50^{\circ}\text{F}$ - Percent Exceedances (2000-2025)



Trinity Lake Cold Water Pool Volume $\leq 48^{\circ}\text{F}$ - Percent Exceedances (2000-2025)



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

Jan-21 2026	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	-64	-62	1083	403	-3	-3	124	43
2001	-327	-324	605	419	-16	-16	69	34
2002	-571	-584	536	564	-28	-29	61	39
2003	-330	-328	783	480	-16	-16	89	41
2004	-163	-160	984	436	-8	-8	112	43
2005	-470	-830	224	508	-23	-41	26	30
2006	-66	-73	1055	398	-3	-4	120	42
2007	-226	-223	810	420	-11	-11	92	38
2008	-615	-612	532	586	-30	-30	61	40
2009	-1035	-1032	113	726	-51	-51	13	38
2010	-1019	-1225	-117	787	-50	-61	-13	41
2011	-260	-258	887	468	-13	-13	101	42
2012	-64	-579	468	370	-3	-29	53	28
2013	-111	-108	1036	418	-5	-5	118	43
2014	-848	-845	294	663	-42	-42	34	39
2015	-1175	-1172	-94	813	-58	-58	-11	42
2016	-1411	-1408	-377	1066	-70	-70	-43	61
2017	-517	-851	240	536	-26	-42	27	32
2018	-260	-257	320	279	-13	-13	36	21
2019	-468	-536	593	532	-23	-27	68	39
2020	-47	-44	1101	397	-2	-2	126	43
2021	-772	-769	376	639	-38	-38	43	40
2022	-1277	-1274	-130	894	-63	-63	-15	47
2023	-1296	-1339	-200	945	-64	-66	-23	51
2024	-665	-662	482	603	-33	-33	55	40
2025	-97	-94	1050	414	-5	-5	120	43

Historical - Current

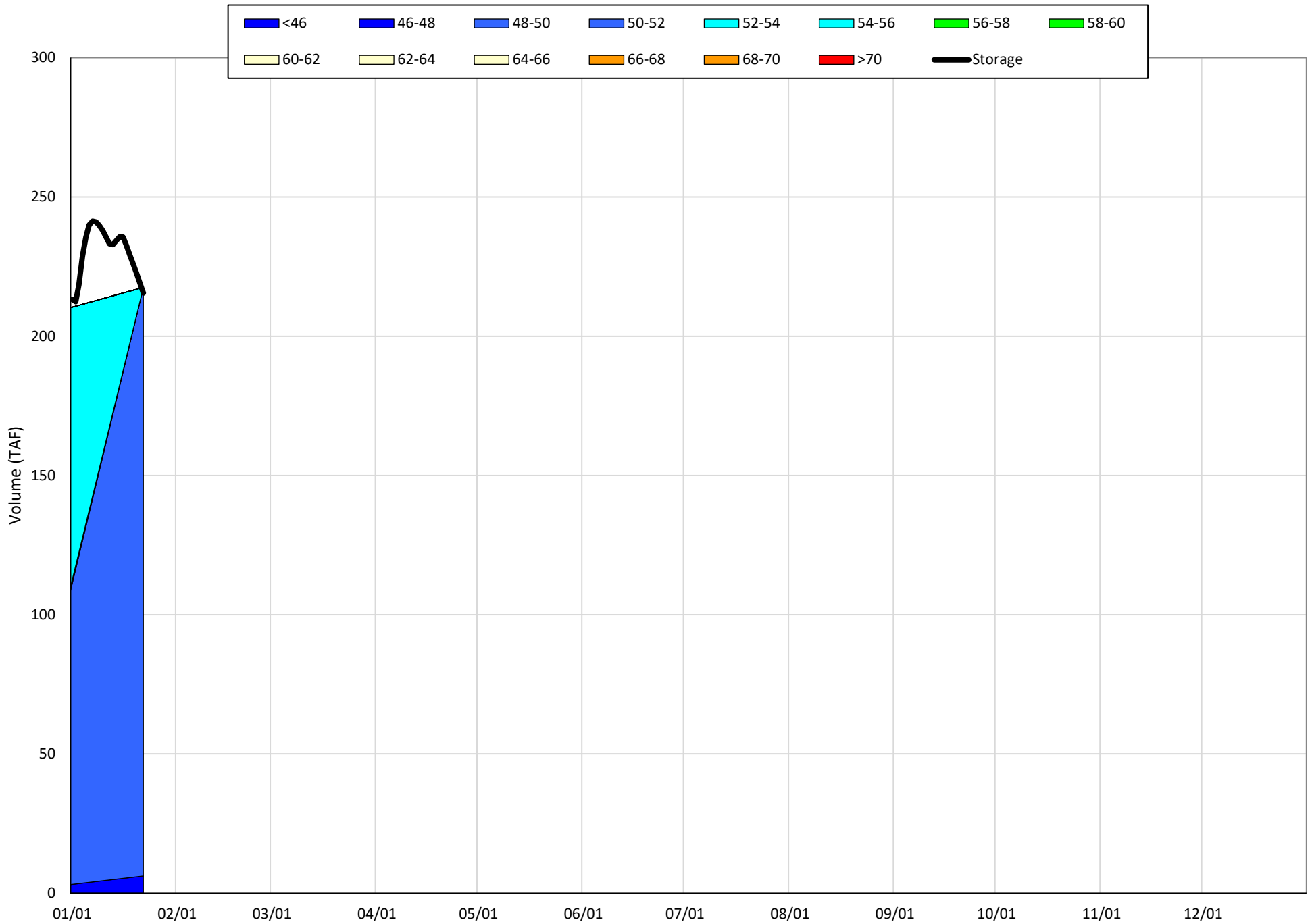
(Historical - Current) / Current

Whiskeytown Lake Isothermobaths & Cold Water Pool Statistics

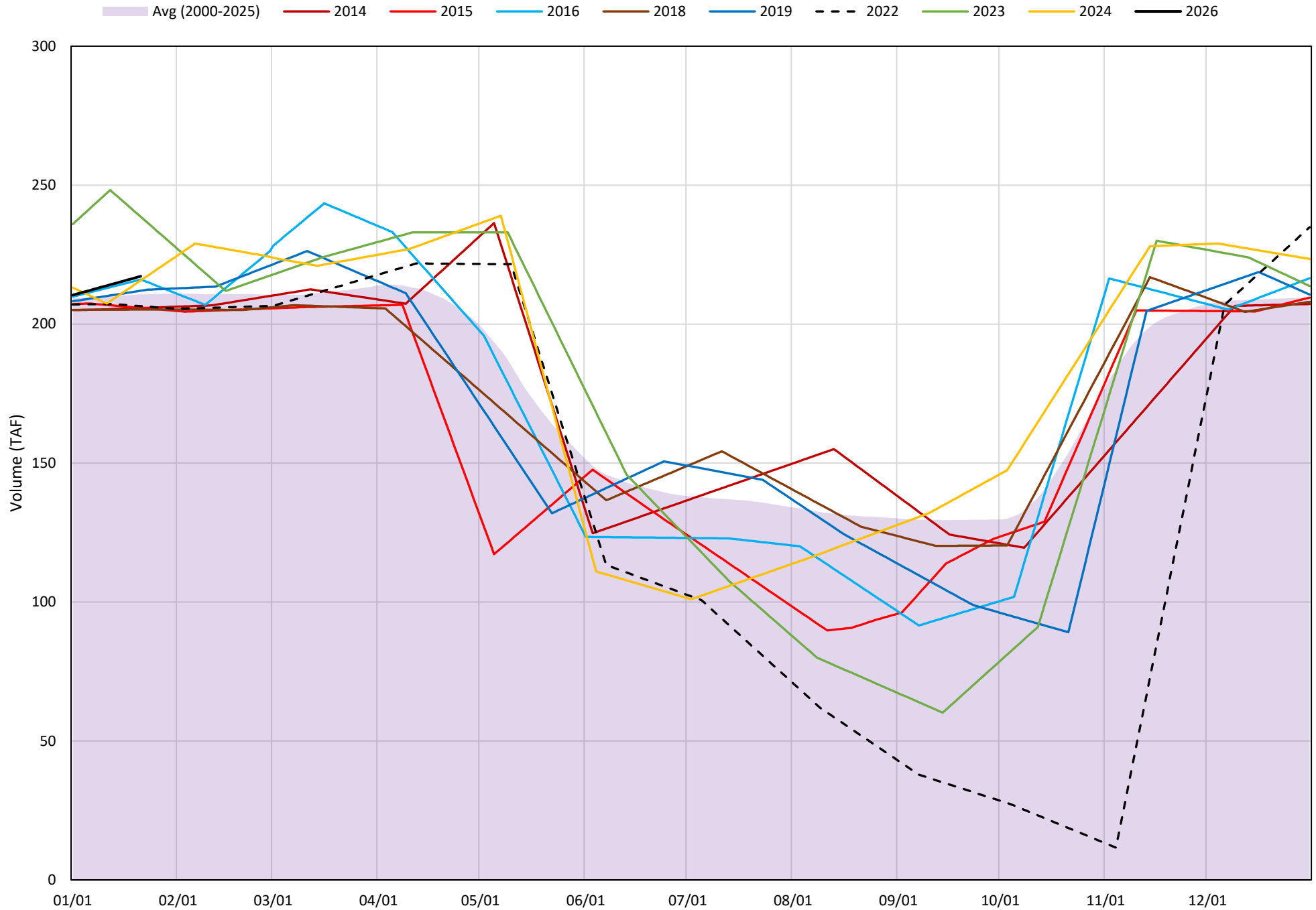
2026

Page	Description
24	- Whiskeytown Lake Isothermobaths Plot
25	- Whiskeytown Lake Cold Water Pool Volume ≤60°F
26	- Whiskeytown Lake Cold Water Pool Volume ≤58°F
27	- Whiskeytown Lake Cold Water Pool Volume ≤56°F
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

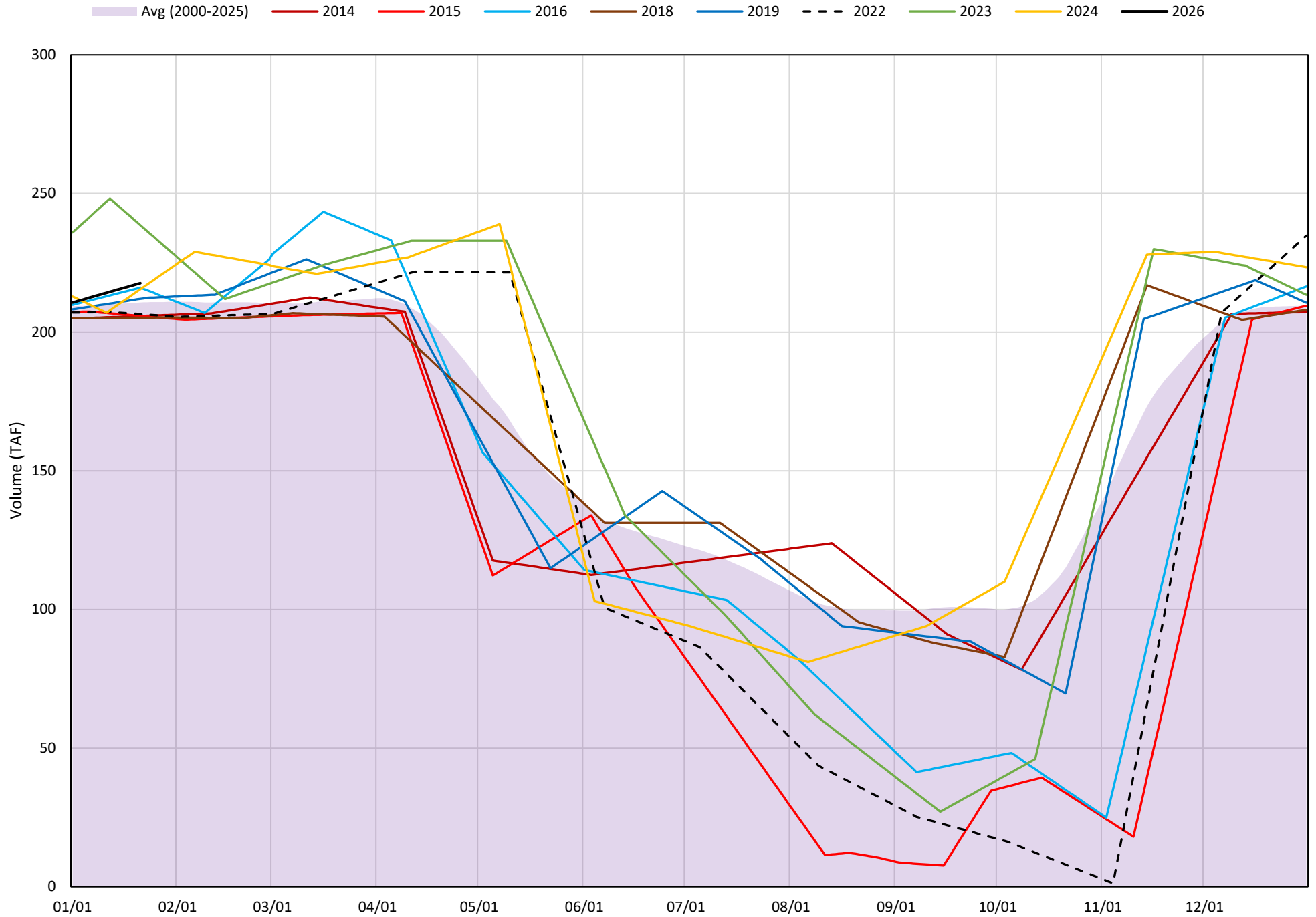
Whiskeytown Lake Isothermobaths Plot - 2026



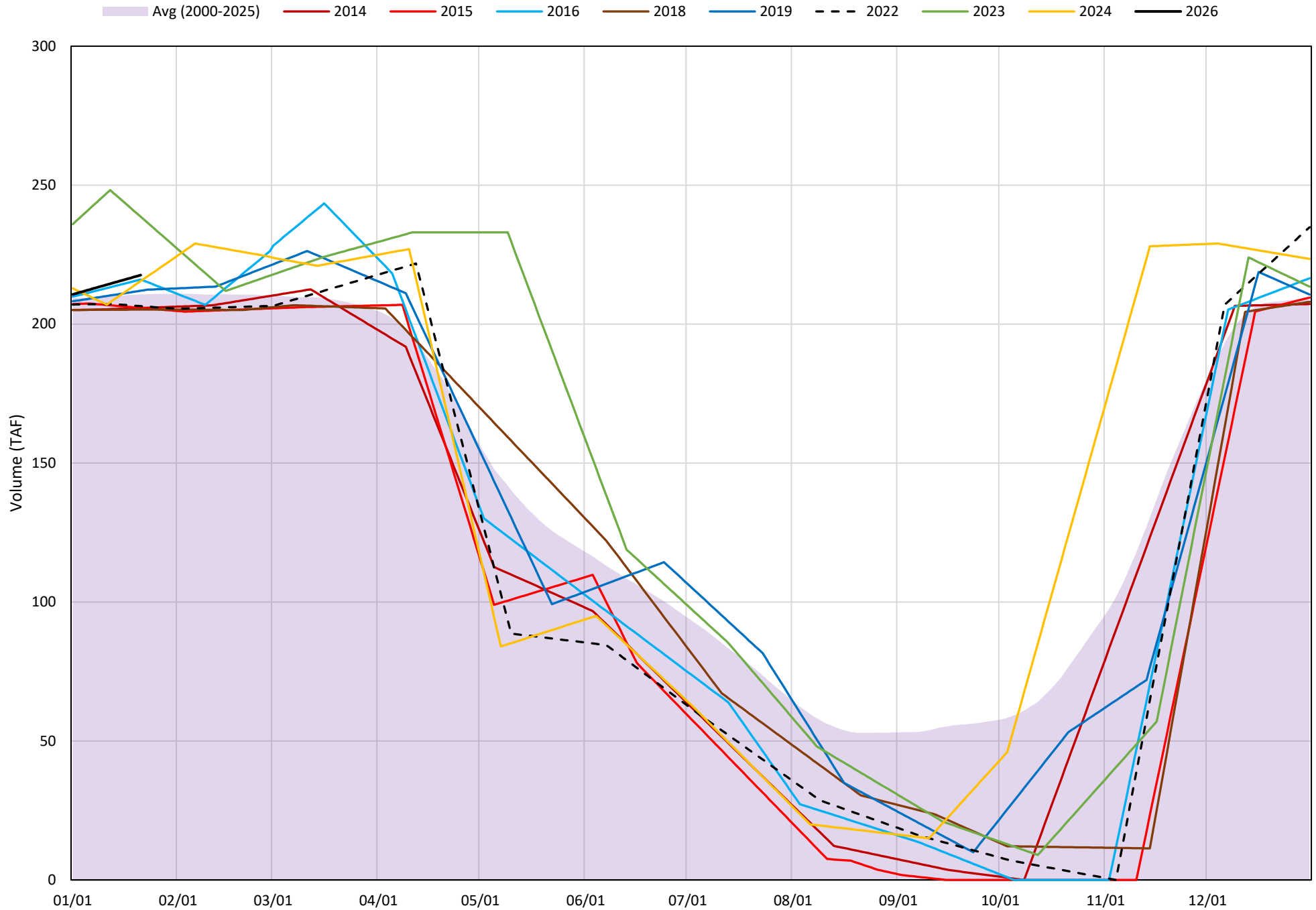
Whiskeytown Lake Cold Water Pool Volume ≤60°F



Whiskeytown Lake Cold Water Pool Volume ≤58°F

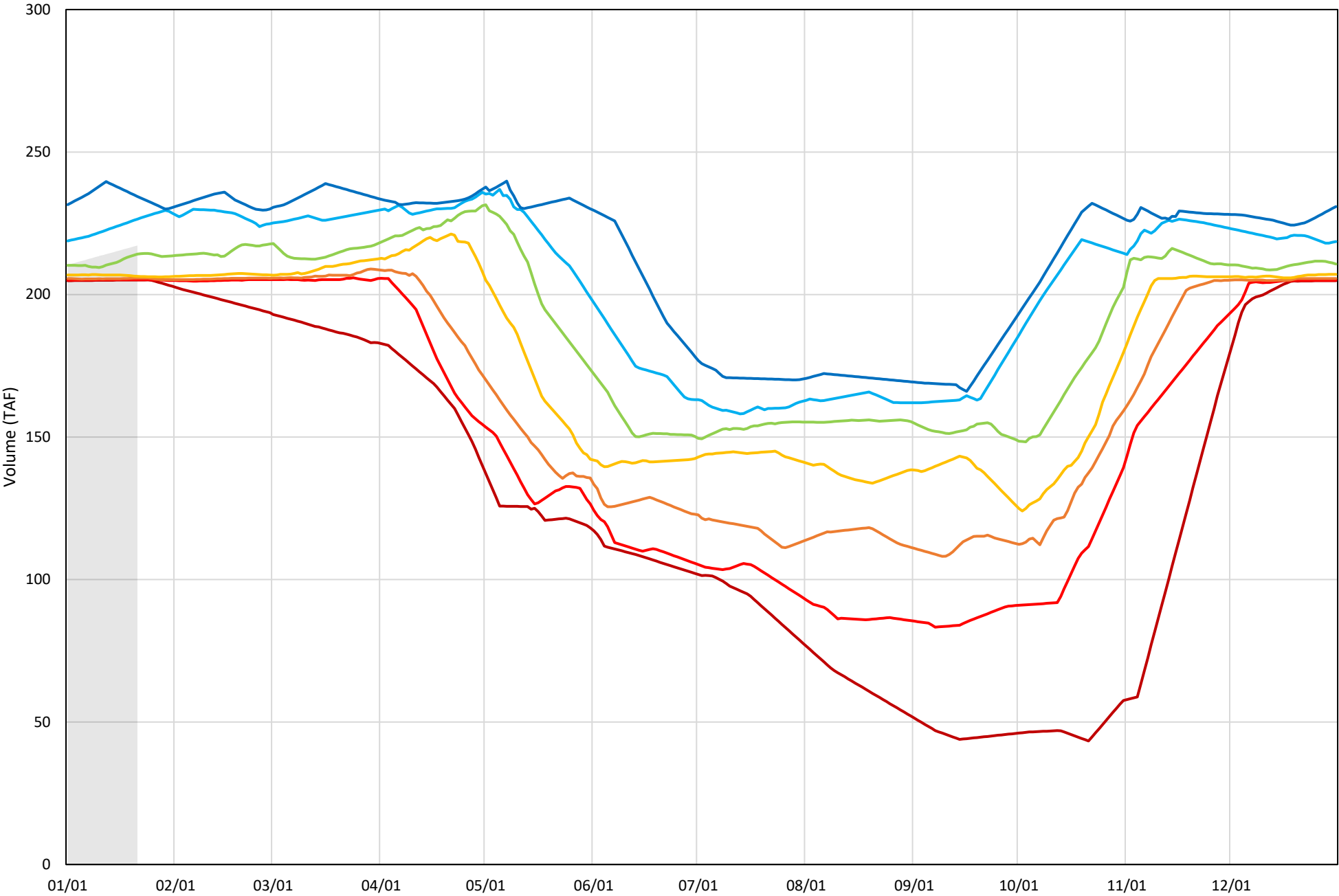


Whiskeytown Lake Cold Water Pool Volume ≤56°F

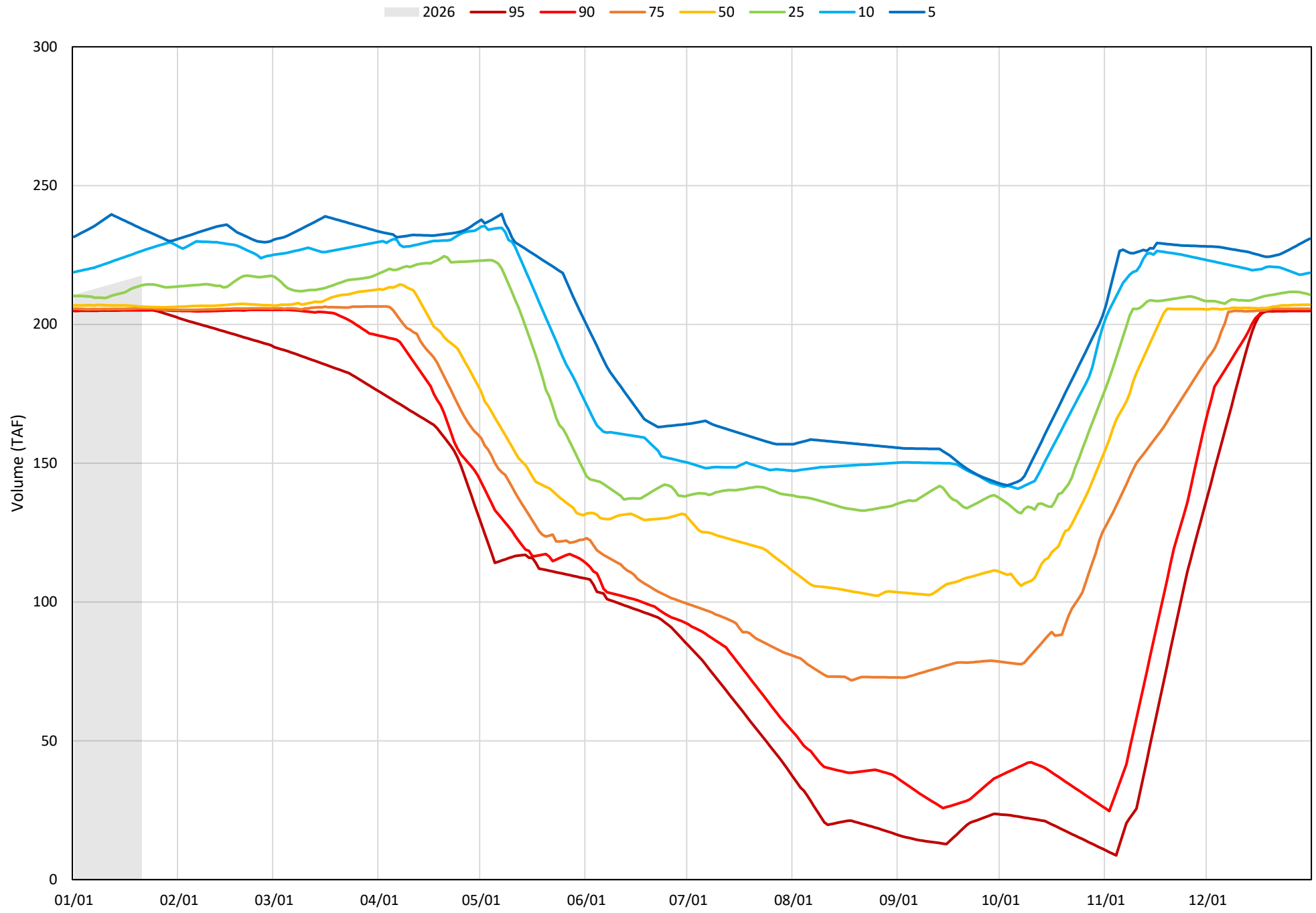


Whiskeytown Lake Cold Water Pool Volume ≤60°F - Percent Exceedances (2000-2025)

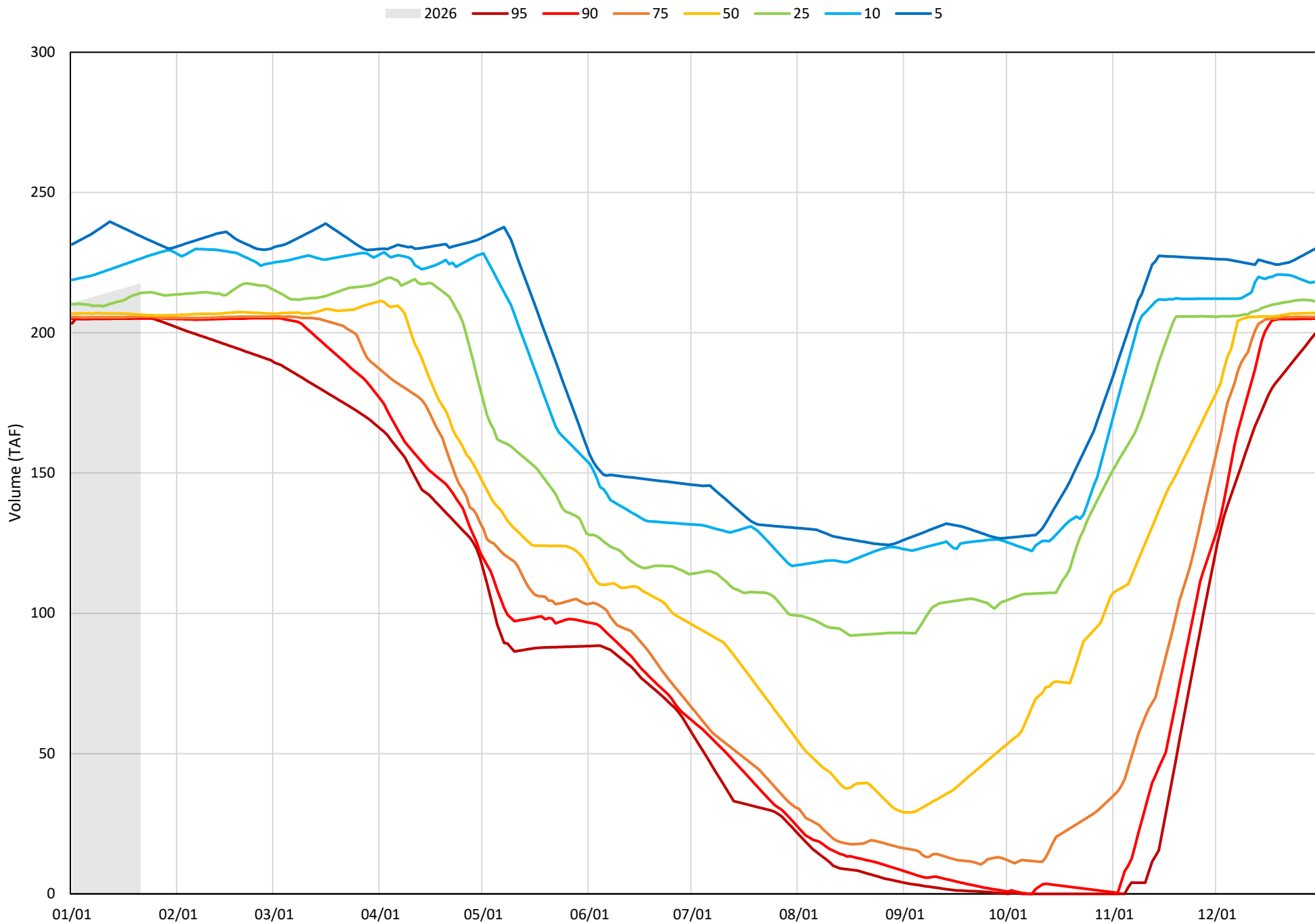
2026 95 90 75 50 25 10 5



Whiskeytown Lake Cold Water Pool Volume ≤58°F - Percent Exceedances (2000-2025)



Whiskeytown Lake Cold Water Pool Volume $\leq 56^{\circ}\text{F}$ - Percent Exceedances (2000-2025)



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

Jan-22 2026	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	-10.9	-11.3	-11.3	11.2	-5.0	-5.2	-5.2	5.1
2001	-3.5	-4.0	-4.0	3.8	-1.6	-1.8	-1.8	1.8
2002	-10.6	-11.1	-11.1	11.0	-4.9	-5.1	-5.1	5.0
2003	-10.9	-11.3	-11.3	11.2	-5.0	-5.2	-5.2	5.1
2004	-10.8	-11.3	-11.3	11.1	-5.0	-5.2	-5.2	5.1
2005	-7.0	-7.5	-7.5	7.3	-3.2	-3.4	-3.4	3.4
2006	-11.4	-11.9	-11.9	11.7	-5.3	-5.4	-5.4	5.4
2007	-12.0	-12.5	-12.5	12.3	-5.5	-5.7	-5.7	5.7
2008	-12.1	-12.6	-12.6	12.4	-5.6	-5.8	-5.8	5.7
2009	-9.7	-10.1	-10.1	10.0	-4.5	-4.7	-4.7	4.6
2010	-0.4	-0.9	-0.9	0.7	-0.2	-0.4	-0.4	0.3
2011	-12.0	-12.4	-12.4	12.3	-5.5	-5.7	-5.7	5.6
2012	-11.7	-12.2	-12.2	12.0	-5.4	-5.6	-5.6	5.5
2013	-10.8	-11.3	-11.3	11.1	-5.0	-5.2	-5.2	5.1
2014	-11.4	-11.9	-11.9	11.7	-5.3	-5.5	-5.5	5.4
2015	-11.4	-11.8	-11.8	11.7	-5.2	-5.4	-5.4	5.4
2016	-1.2	-1.6	-1.6	1.5	-0.5	-0.7	-0.7	0.7
2017	9.2	8.7	8.7	8.9	4.2	4.0	4.0	4.1
2018	-12.0	-12.4	-12.4	12.3	-5.5	-5.7	-5.7	5.6
2019	-5.2	-5.7	-5.7	5.5	-2.4	-2.6	-2.6	2.5
2020	-10.3	-10.7	-10.7	10.6	-4.7	-4.9	-4.9	4.9
2021	-11.4	-11.9	-11.9	11.7	-5.3	-5.5	-5.5	5.4
2022	-10.7	-11.2	-11.2	11.0	-4.9	-5.1	-5.1	5.1
2023	21.4	21.0	21.0	21.1	9.9	9.6	9.6	9.7
2024	-1.5	-2.2	-2.2	2.0	-0.7	-1.0	-1.0	0.9
2025	9.5	9.0	9.0	9.2	4.4	4.1	4.1	4.2

Historical - Current

(Historical - Current) / Current