

Northern CVP Water Temperature Report

July - 2026

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— BUREAU OF —
RECLAMATION

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 ²	BSF	BND	RDB	IGO	LWS	DGC	NFH	Shasta Generation	Spring Creek P.P.	Keswick Total	RDD	BSF	RDB
Jun	51.7	50.4	56.0	52.0	52.5	53.2	55.0	56.6	58.5	57.0	50.5	56.5	60.8	9637	1574	11699	79.9	76.5	76.9
07/01	51.3	50.7	57.0	52.5	52.9	53.6	55.1	56.4	58.1	58.8	50.7	58.2	62.9	10459	1907	12359	82.0	76.1	76.6
07/02	51.3	50.6	57.0	52.4	52.9	53.6	55.2	56.6	58.5	58.9	50.7	58.4	63.2	10583	1848	12538	78.5	75.3	74.8
07/03	51.3	50.6	#	52.4	52.9	53.6	55.2	56.8	58.8	59.6	50.5	59.4	64.4	10616	1711	13031	82.5	78.3	78.2
07/04	51.2	50.5	57.1	52.4	53.0	53.7	55.3	56.8	58.8	59.7	50.7	60.3	65.7	11437	1819	13007	84.0	79.2	79.7
07/05	51.1	50.4	57.1	52.2	52.8	53.4	55.1	56.7	58.7	58.9	50.6	60.4	66.1	11216	1702	12997	83.0	77.8	76.8
07/06	51.2	50.4	57.2	52.1	52.7	53.2	? 54.8	!	58.2	59.2	50.7	59.7	65.7	11188	1847	12995	80.5	77.0	75.1
07/07	51.3	50.5	57.2	52.2	52.8	53.4	55.0	#	58.2	59.2	50.8	60.0	65.7	11431	1737	13035	78.5	75.1	73.3
07/08	51.2	50.5	57.3	52.3	52.8	53.5	55.0	#	58.3	59.4	50.8	60.1	65.7	10419	1714	13025	80.0	76.1	74.4
07/09	51.3	50.5	57.3	52.2	52.8	53.5	55.2	#	58.6	59.9	51.0	60.6	66.3	11737	1846	12996	85.0	80.2	79.0
07/10	51.2	50.2	57.4	52.4	52.9	53.7	55.4	!	58.8	60.1	50.9	60.7	66.5	10934	1846	12960	84.5	80.5	80.3
07/11	51.2	50.1	57.4	52.2	52.8	53.4	55.1	56.6	58.7	59.5	50.8	60.0	65.2	11278	1847	12983	82.5	79.0	79.1
07/12	51.1	50.1	57.5	52.1	52.6	53.2	54.7	55.9	57.8	59.8	50.7	59.6	65.6	10886	1771	12946	86.5	79.3	79.2
07/13	51.1	50.2	57.5	52.0	52.6	53.1	54.5	55.9	57.7	59.8	50.8	59.7	65.6	11270	1846	12977	85.5	80.0	81.6
07/14	51.1	50.1	57.6	52.2	52.7	53.4	55.1	56.5	58.3	60.4	50.6	59.9	65.9	10867	1847	12998	90.0	86.1	86.2
07/15	51.1	50.1	57.6	52.2	52.7	53.4	55.1	56.6	58.6	59.9	50.5	60.1	65.8	10512	1844	12897	90.0	84.0	85.8
07/16	51.2	50.2	57.6	52.1	52.7	53.3	54.9	56.5	58.5	59.1	50.6	59.8	64.5	11488	1754	12912	82.5	79.5	81.3
07/17	51.1	50.1	57.8	52.2	52.7	53.3	54.8	56.2	58.1	58.9	50.9	59.7	65.1	11135	1801	12789	81.0	77.0	77.3
07/18	51.3	50.2	57.7	52.2	52.7	53.3	54.8	56.1	58.0	58.6	50.8	59.7	65.6	10898	1844	12773	80.5	76.3	75.3
07/19	51.4	? 50.3	57.7	52.2	52.7	53.1	54.5	55.8	57.5	58.2	50.6	59.2	65.0	10624	1844	12883	80.5	79.0	78.9
07/20	51.3	? 50.4	57.8	51.9	52.5	53.1	54.5	55.7	57.4	#	50.2	58.7	64.8	12415	587	12933	87.0	81.4	79.3
07/21	51.4	? 50.5	57.2	51.5	52.2	52.7	54.4	55.7	57.6	#	50.0	57.5	63.4	13218	10	12949	88.5	84.2	83.5
07/22	51.3	50.5	58.7	51.7	52.3	53.0	54.7	56.2	58.2	#	50.4	58.3	64.3	12743	17	12953	84.5	79.5	78.7
07/23	51.4	50.6	57.8	51.7	52.3	52.9	54.6	56.1	58.2	?	51.0	60.5	66.4	12959	72	12892	82.0	76.8	77.6
07/24																			
07/25																			
07/26																			
07/27																			
07/28																			
07/29																			
07/30																			
07/31																			
Jul	51.2	50.4	57.5	52.1	52.7	53.3	54.9	56.3	58.2	59.4	50.7	59.6	65.2	11318	1524	12906	83.5	79.0	78.8

Total CFS	260313	35061	296828
Total AF	516320	69542	588746

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

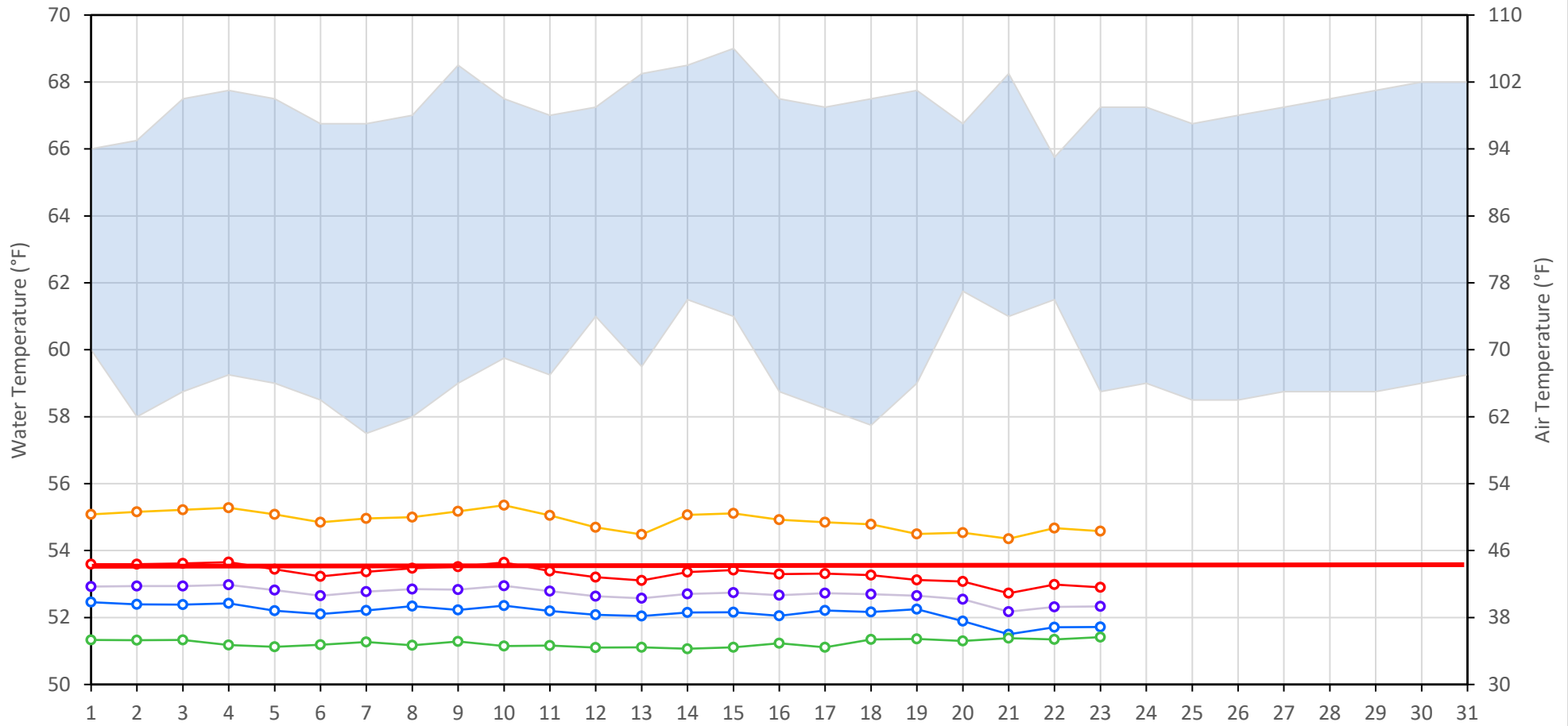
¹ Temperatures are weighted averages based on individual penstock flow and temperature

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

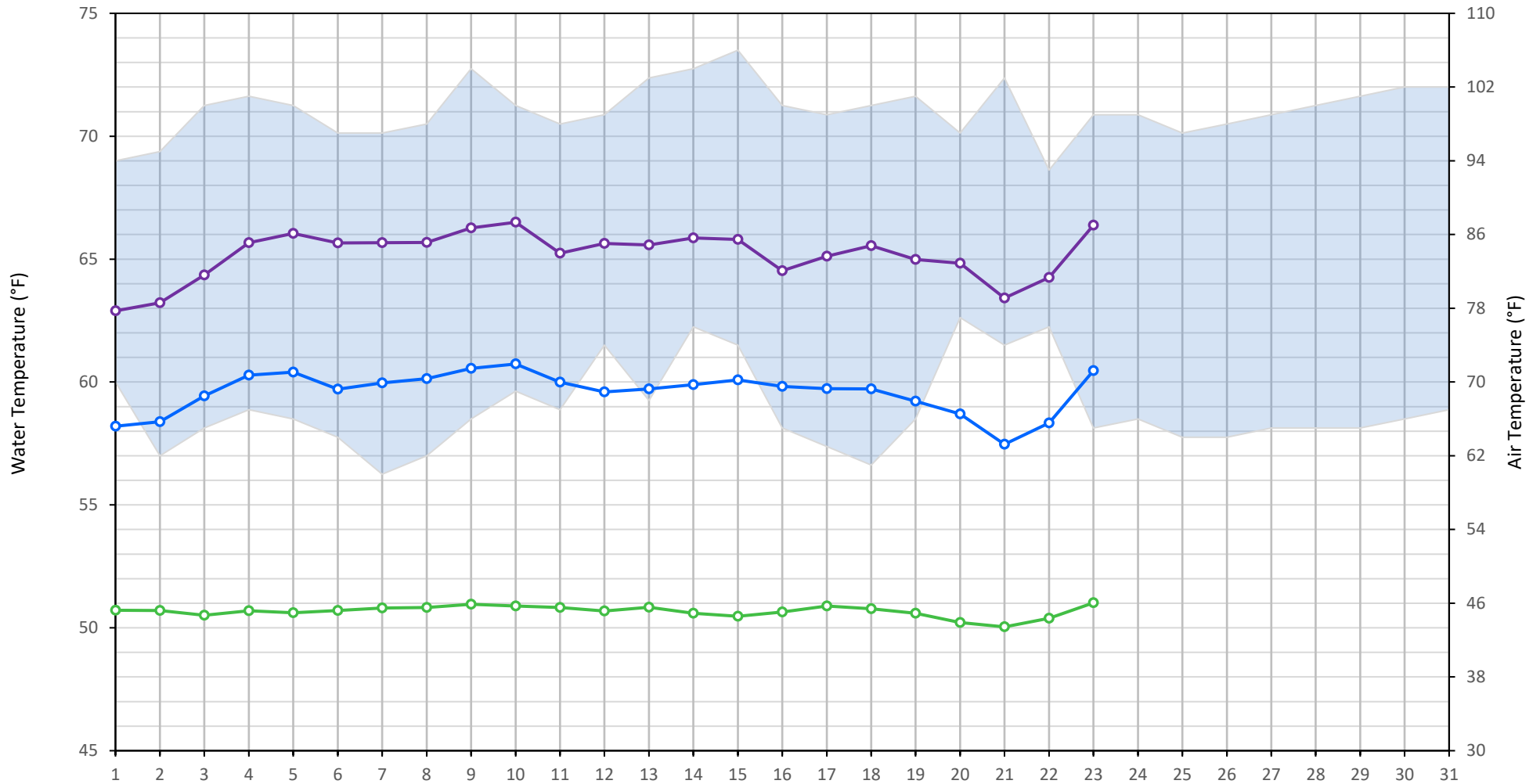
River	Point	Temp. (°F)	Begin Date	End Date
Sacramento	CCR	58.0	Mar-01	May-15
Sacramento	CCR	53.5	May-15	

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

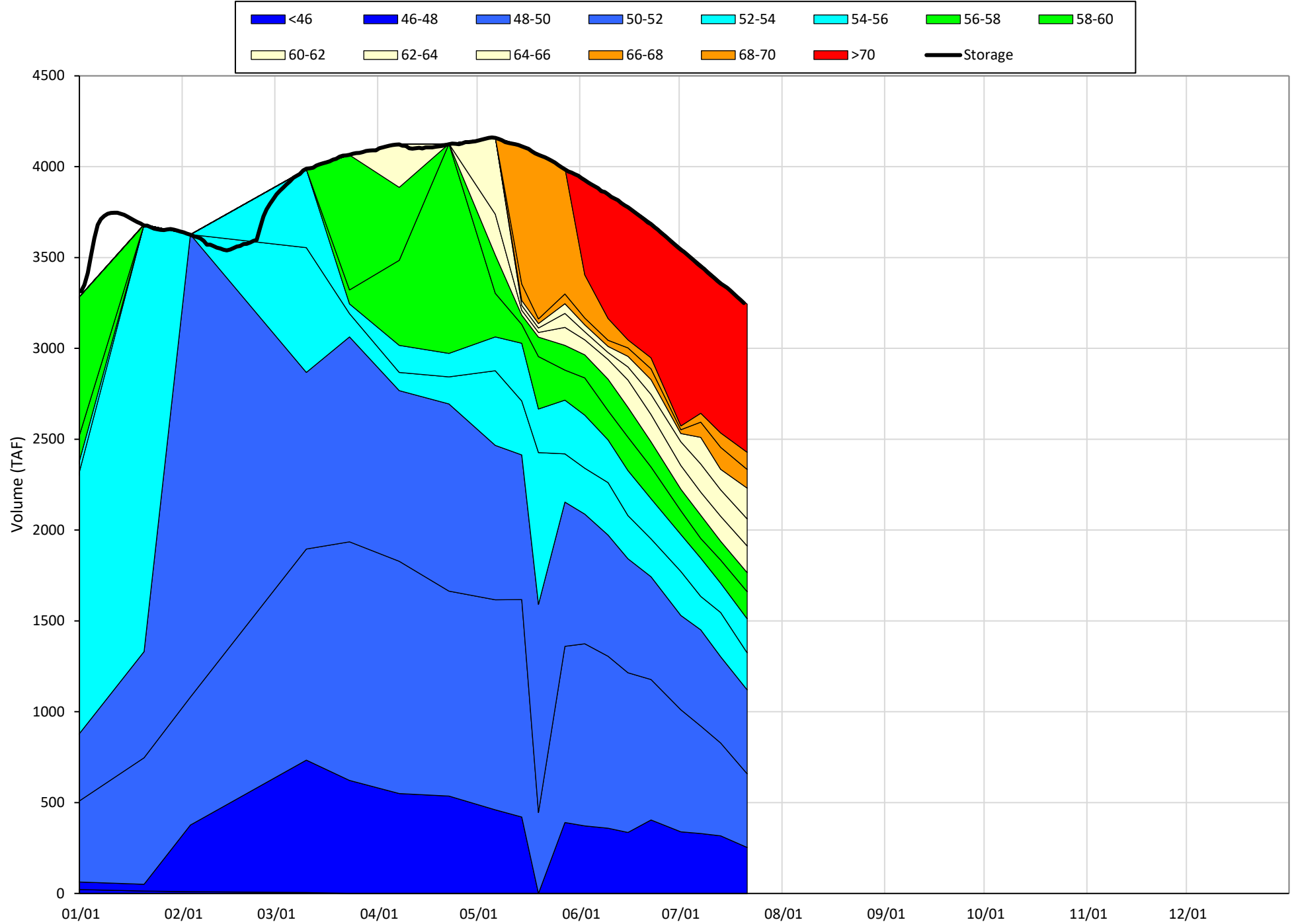
¹ Distances are approximate

Shasta Lake Isothermobaths & Cold Water Pool Statistics

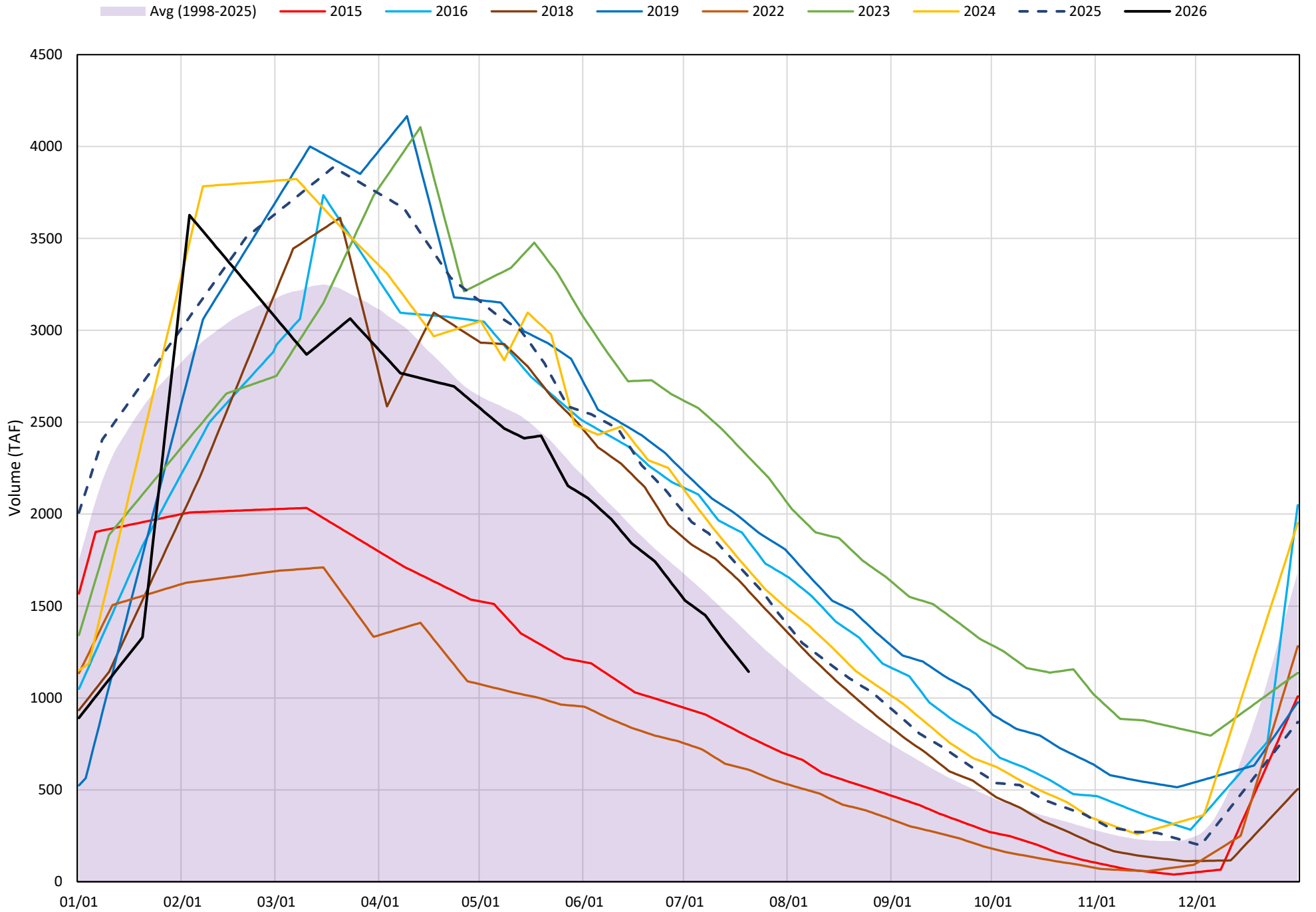
2026

Page	Description
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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

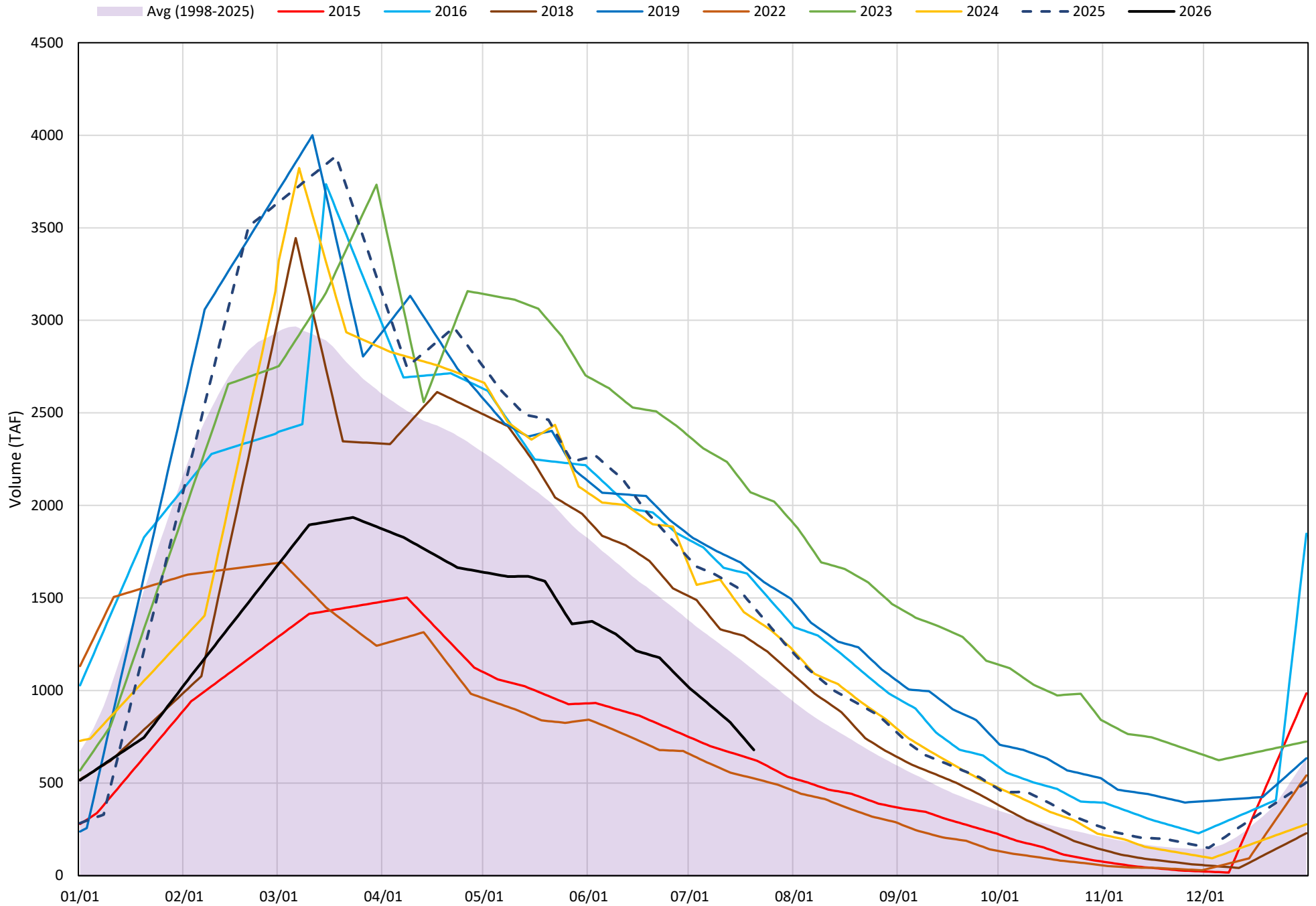
Shasta Lake Isothermobaths Plot - 2026



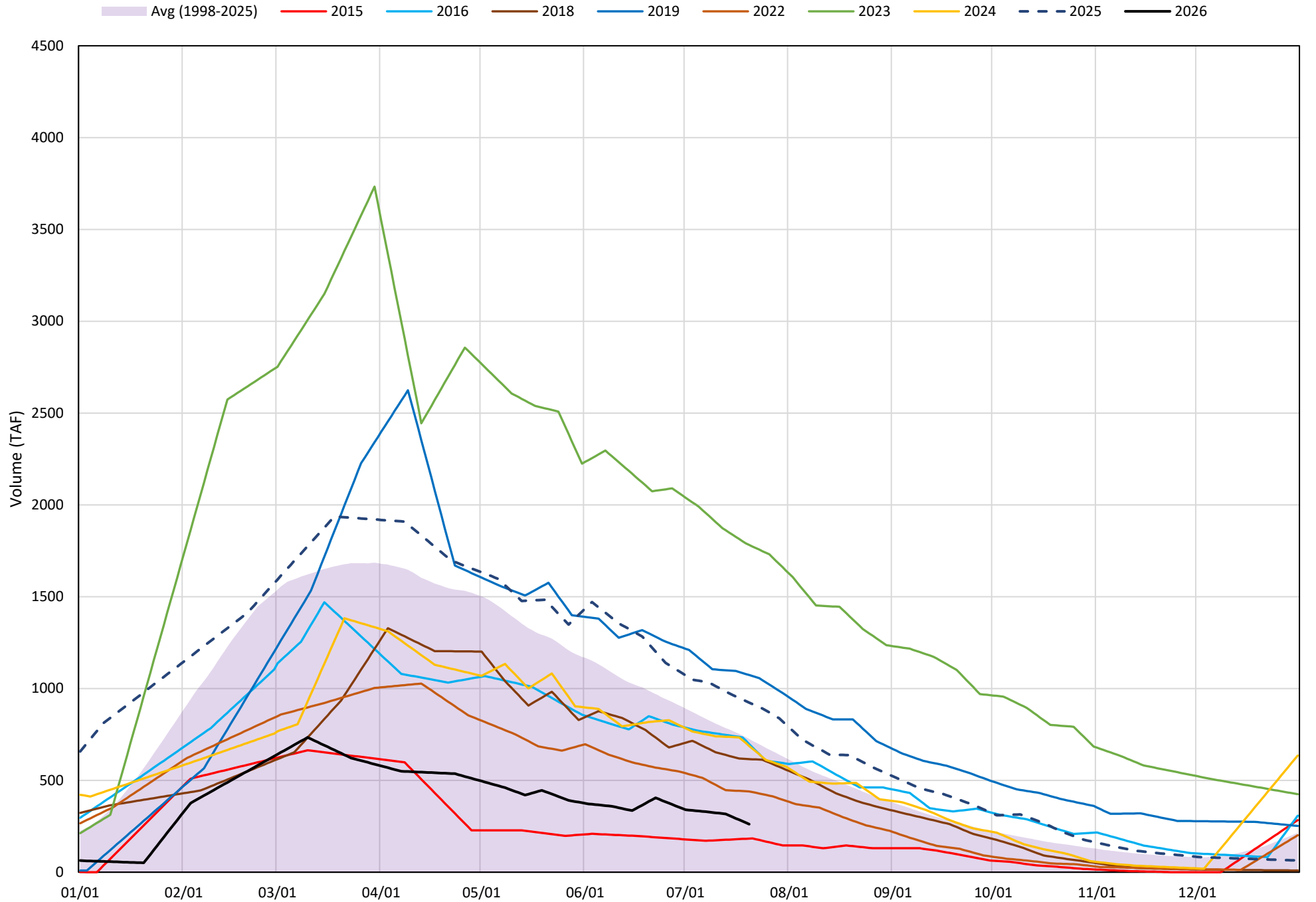
Shasta Lake Cold Water Pool Volume ≤52°F



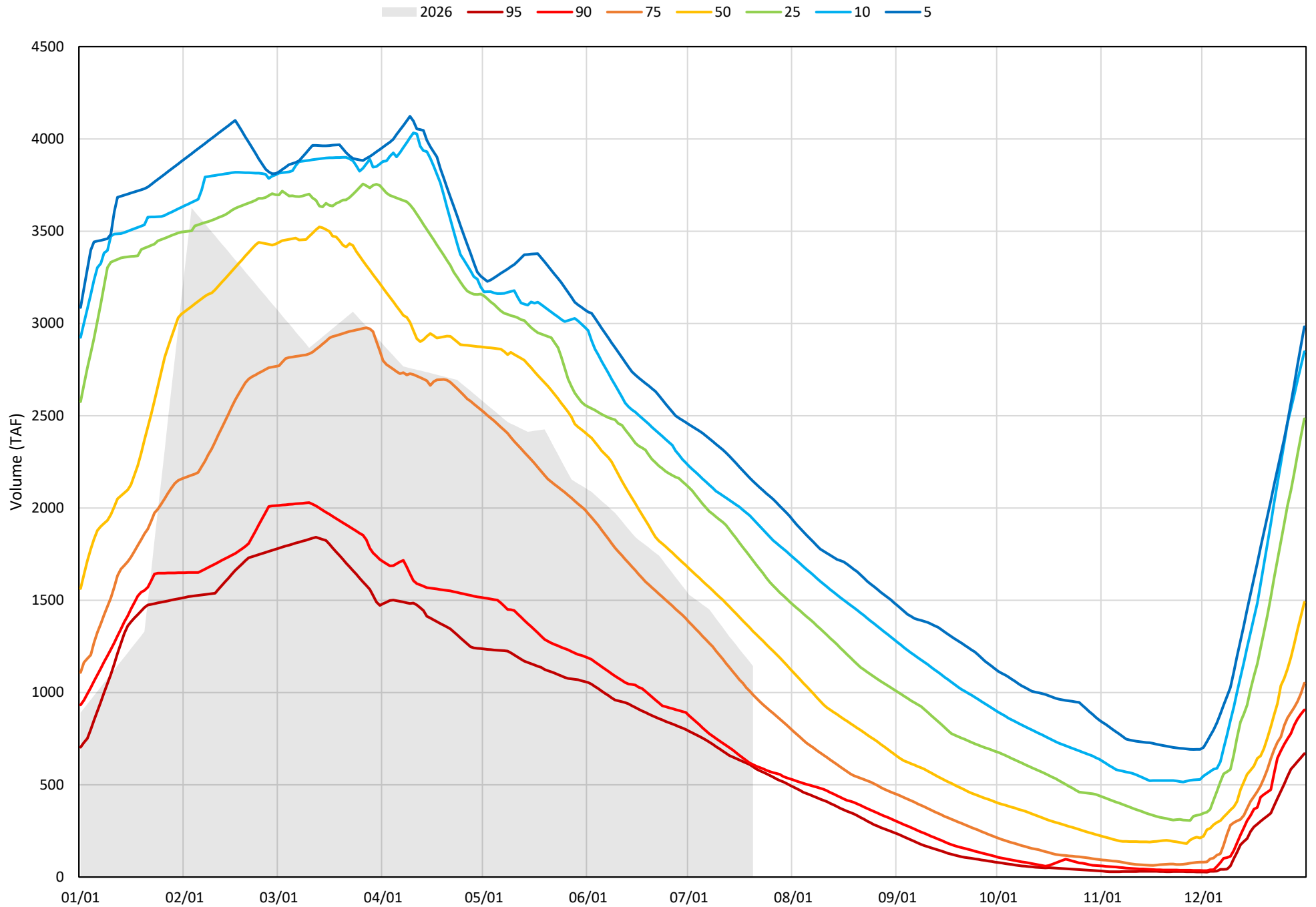
Shasta Lake Cold Water Pool Volume ≤50°F



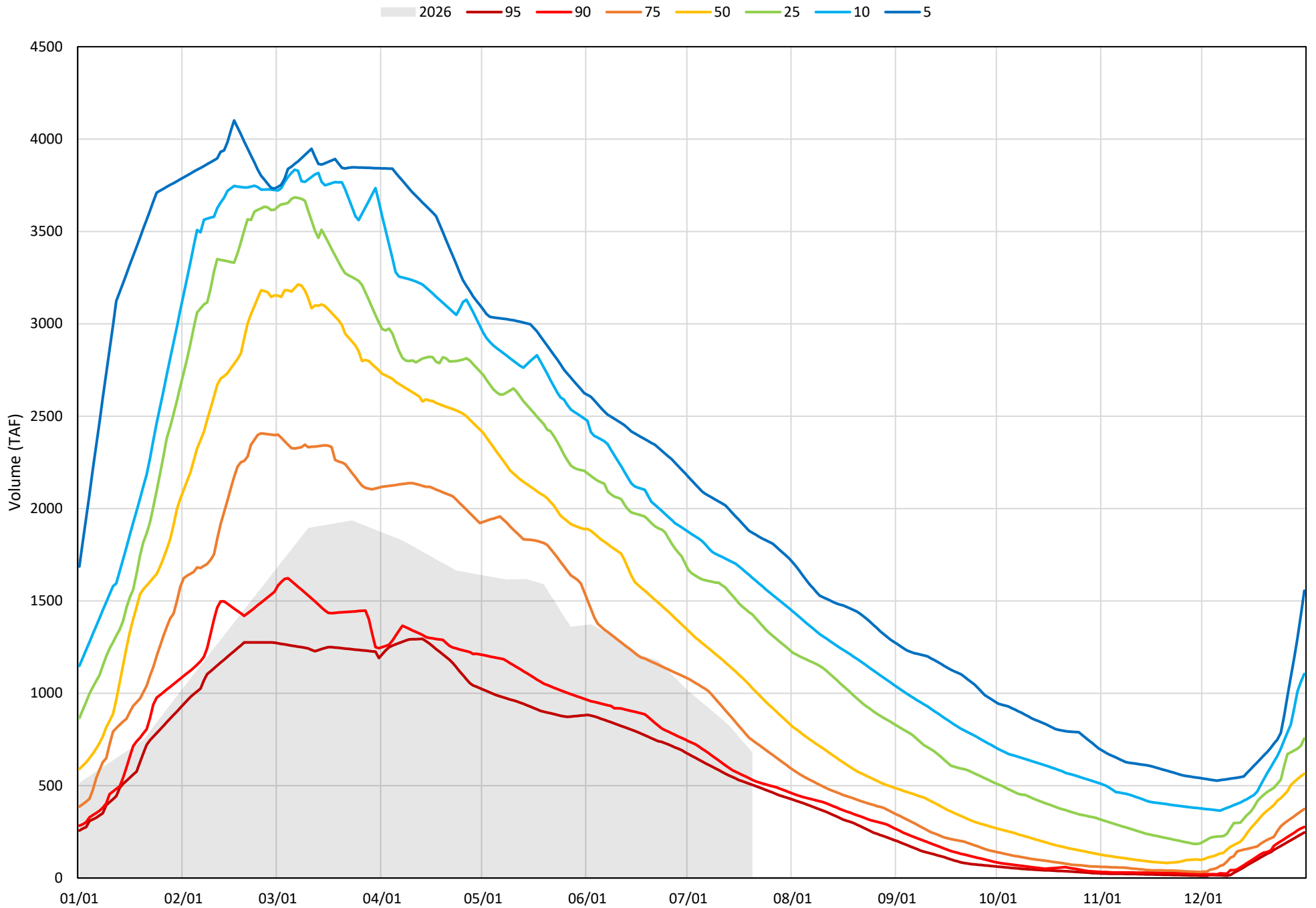
Shasta Lake Cold Water Pool Volume ≤48°F



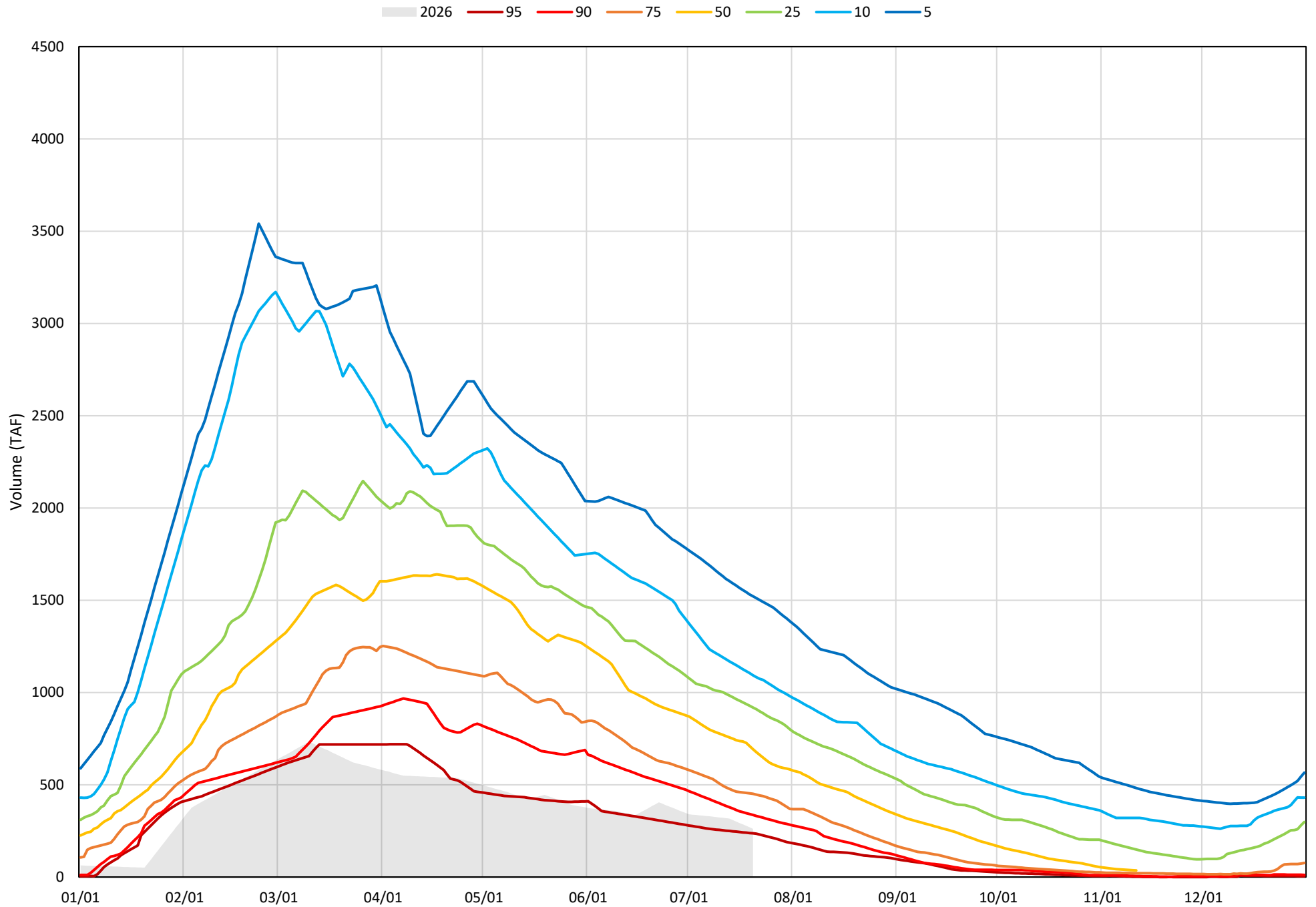
Shasta Lake Cold Water Pool Volume $\leq 52^{\circ}\text{F}$ - Percent Exceedances (1998-2025)



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)

Jul-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.
1998	236	260	249	248	21	38	95	51
1999	395	664	820	626	35	98	314	149
2000	71	204	140	138	6	30	53	30
2001	-17	334	544	298	-1	49	208	86
2002	260	530	616	469	23	78	236	112
2003	141	36	41	72	12	5	16	11
2004	-158	120	317	198	-14	18	121	51
2005	-169	48	106	108	-15	7	40	21
2006	445	606	601	551	39	89	230	119
2007	22	362	573	319	2	53	219	91
2008	-325	41	349	238	-28	6	133	56
2009	-146	190	424	253	-13	28	162	68
2010	641	740	641	674	56	109	245	137
2011	796	945	941	894	70	139	360	190
2012	580	857	727	721	51	126	278	152
2013	-4	320	509	278	0	47	195	81
2014	-550	-193	79	274	-48	-28	30	36
2015	-354	-53	-78	162	-31	-8	-30	23
2016	708	911	436	685	62	134	167	121
2017	659	749	665	691	58	110	254	141
2018	439	580	354	458	38	85	136	86
2019	800	952	812	855	70	140	311	174
2020	98	278	223	199	9	41	85	45
2021	-539	-147	111	266	-47	-22	43	37
2022	-534	-154	178	289	-47	-23	68	46
2023	1167	1384	1520	1357	102	204	581	296
2024	552	708	426	562	48	104	163	105
2025	515	771	662	650	45	113	253	137

Historical - Current

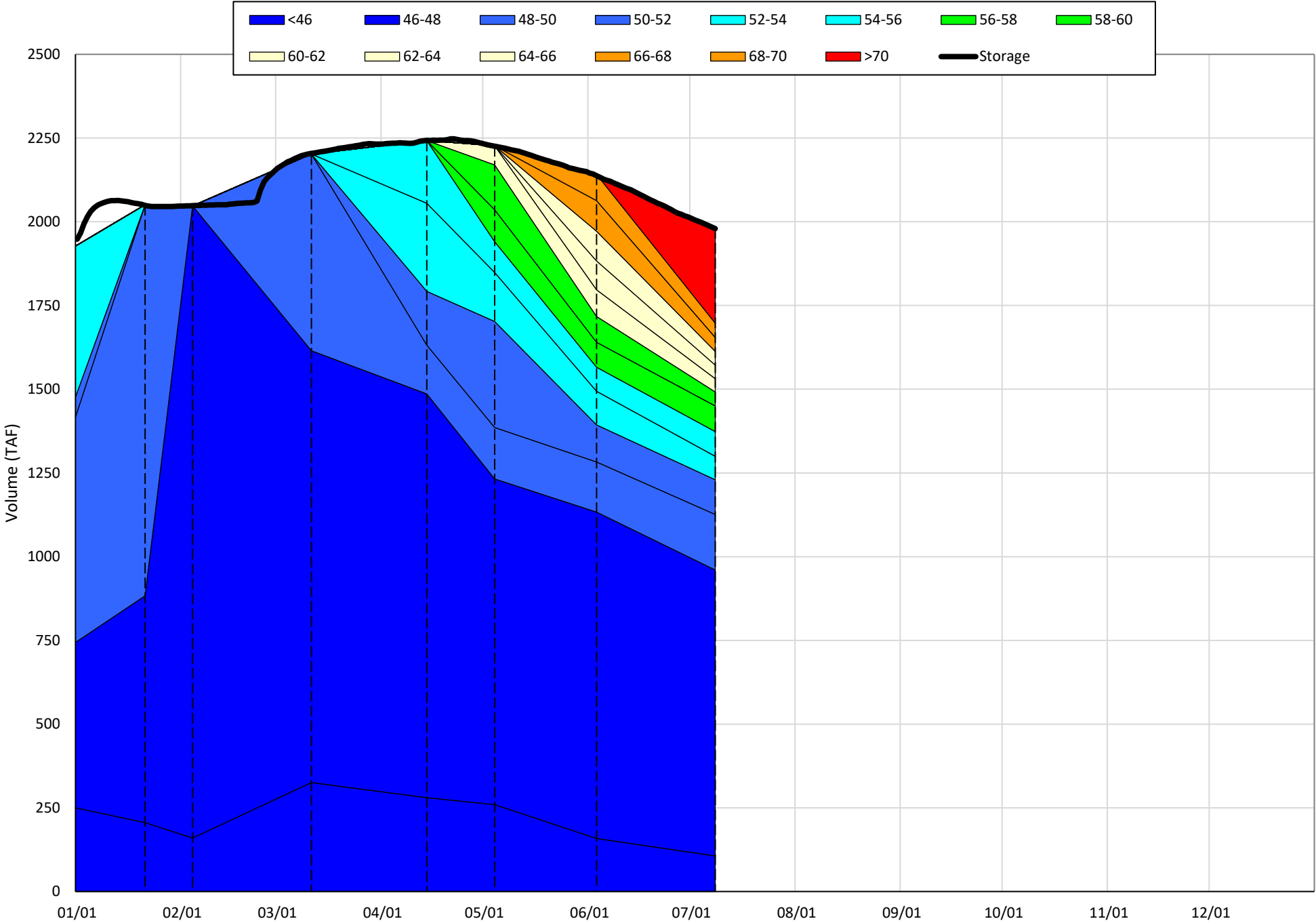
(Historical - Current) / Current

Trinity Lake Isothermobaths & Cold Water Pool Statistics

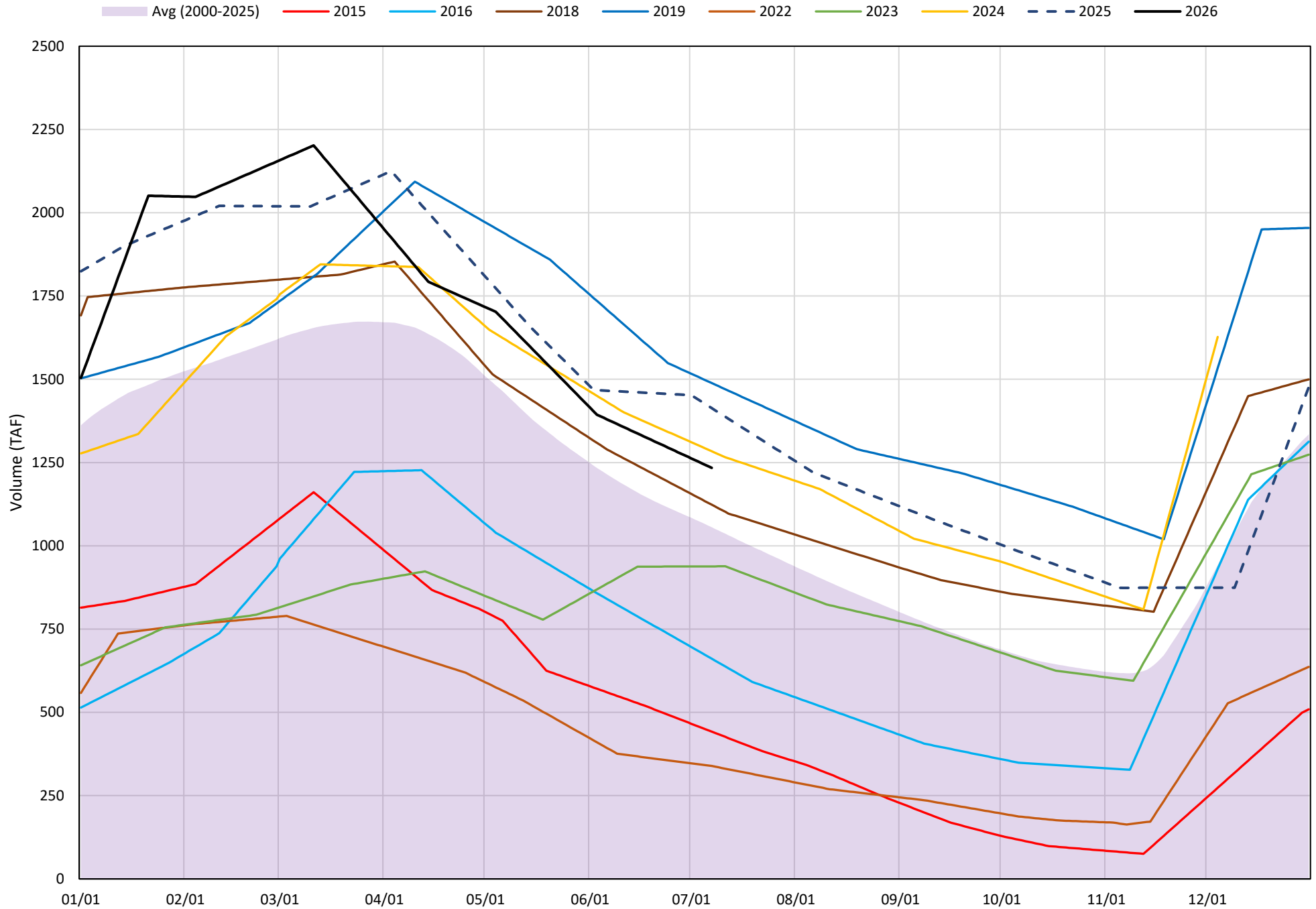
2026

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

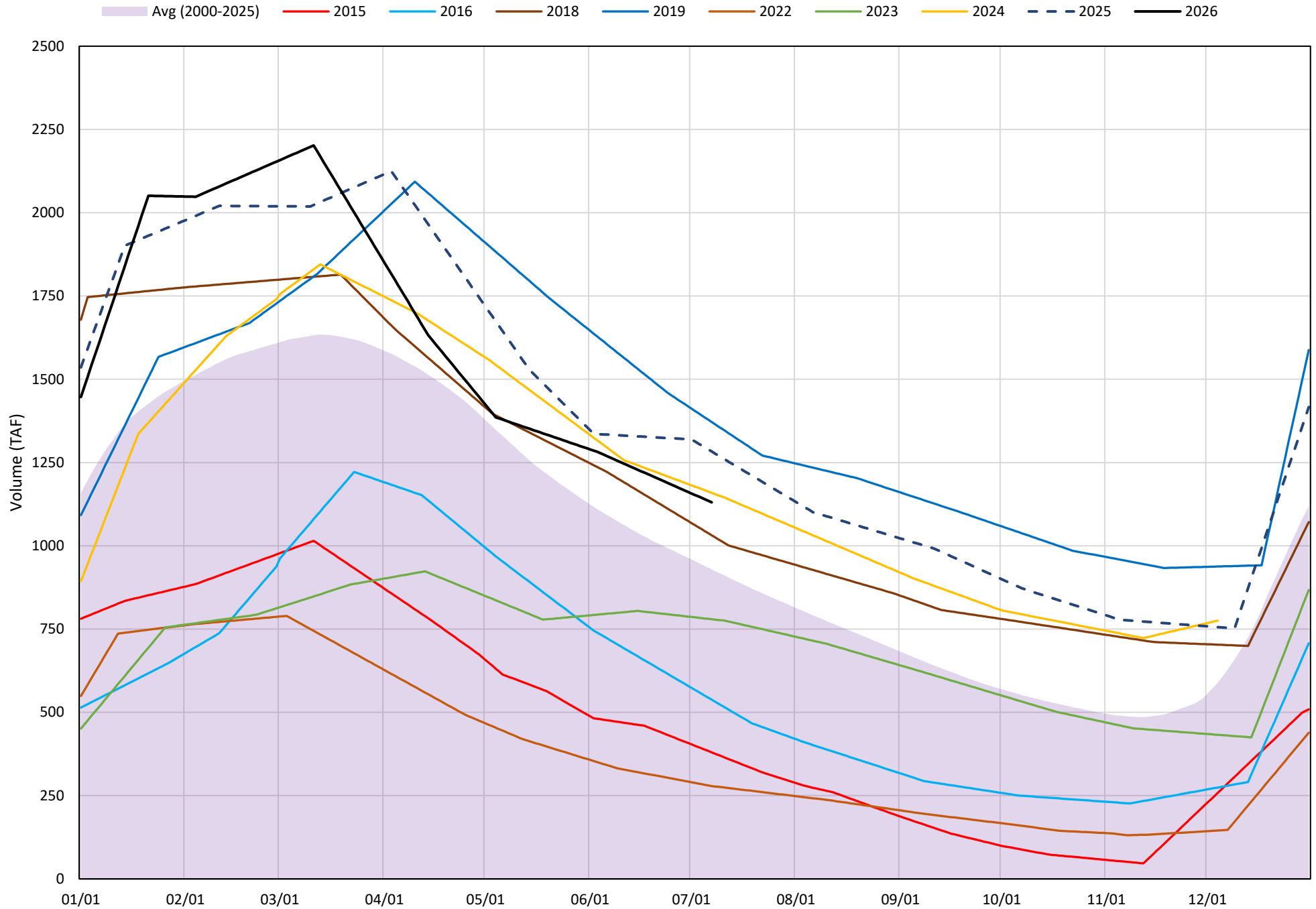
Trinity Lake Isothermobaths Plot - 2026



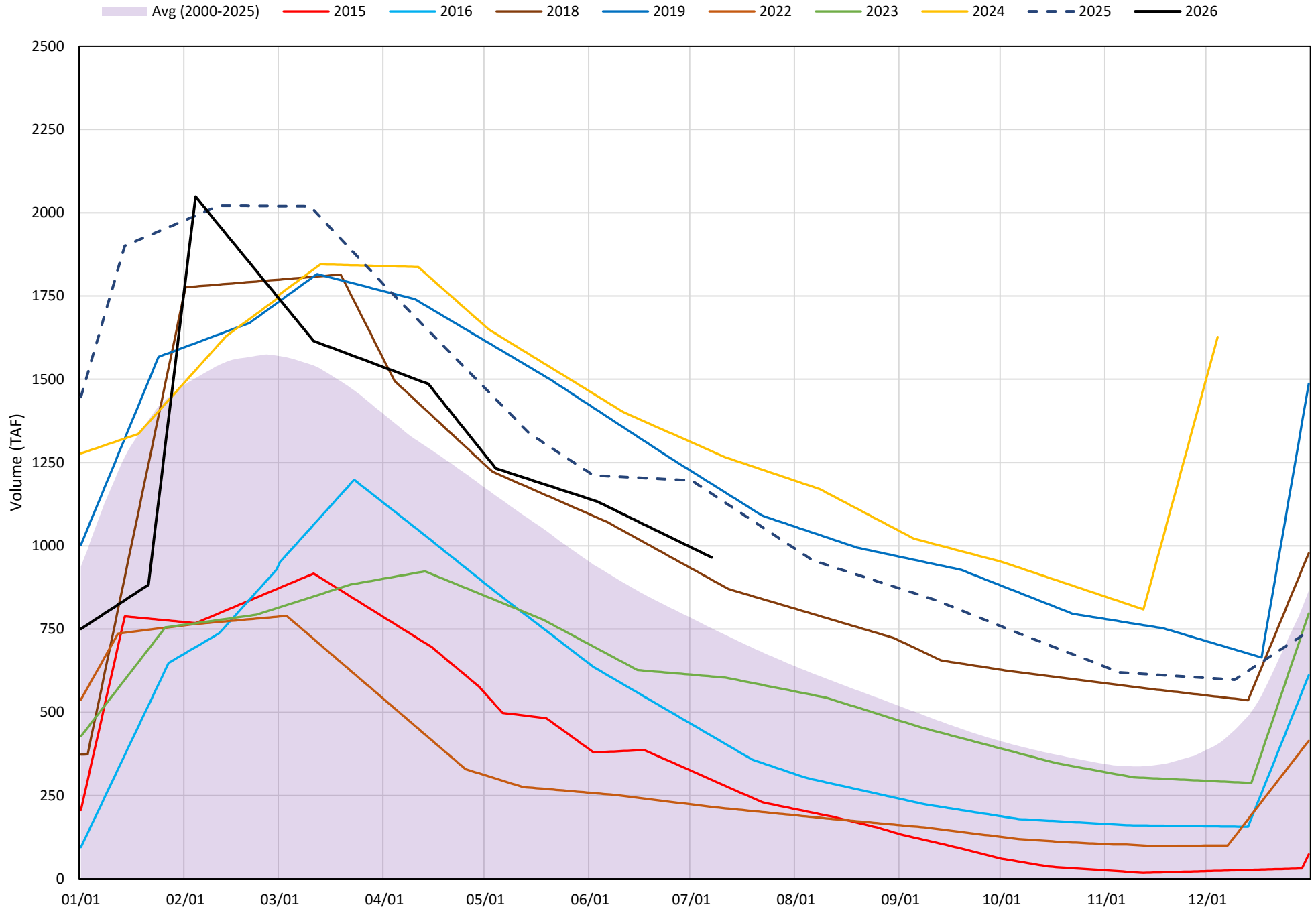
Trinity Lake Cold Water Pool Volume ≤52°F



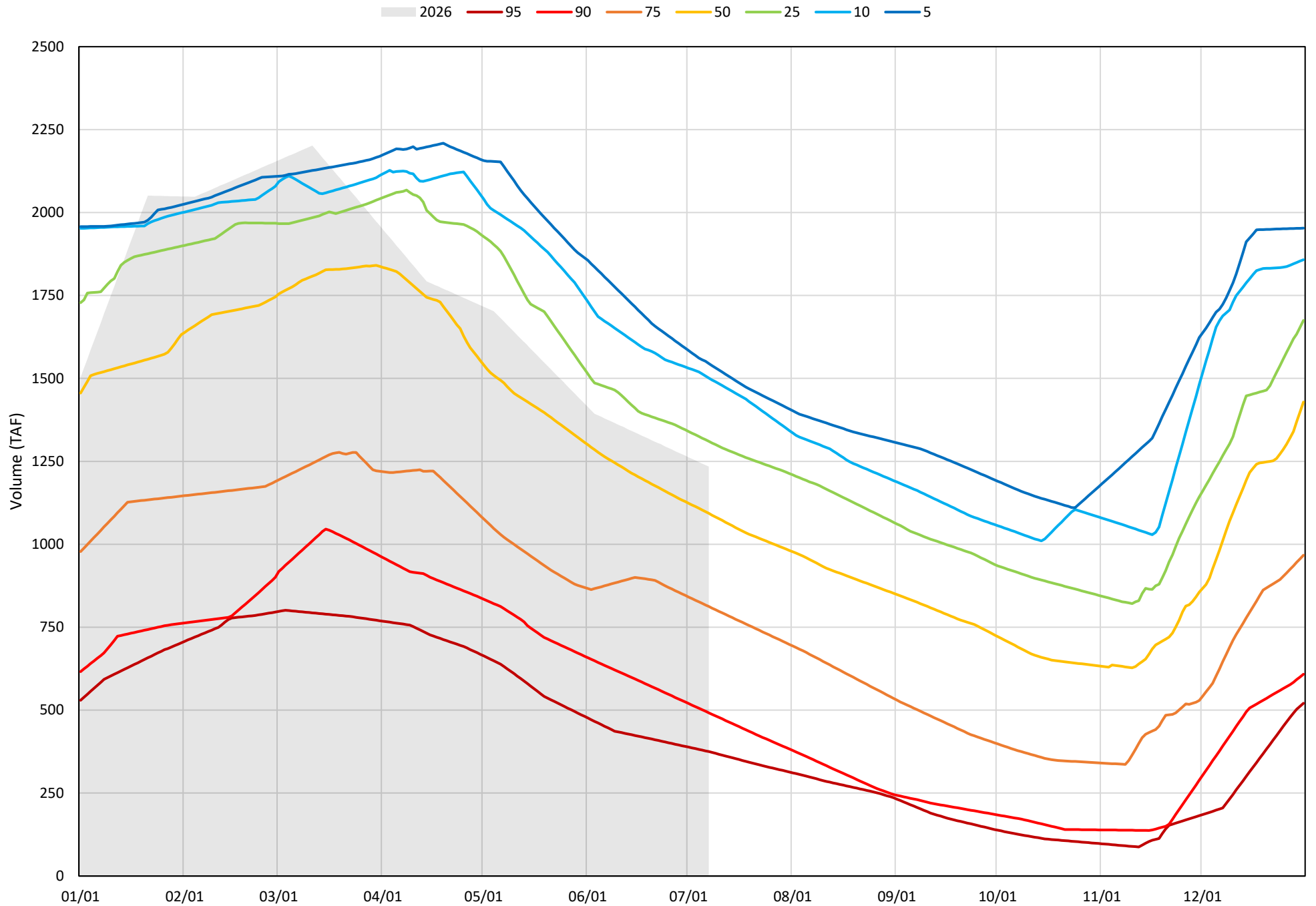
Trinity Lake Cold Water Pool Volume ≤50°F



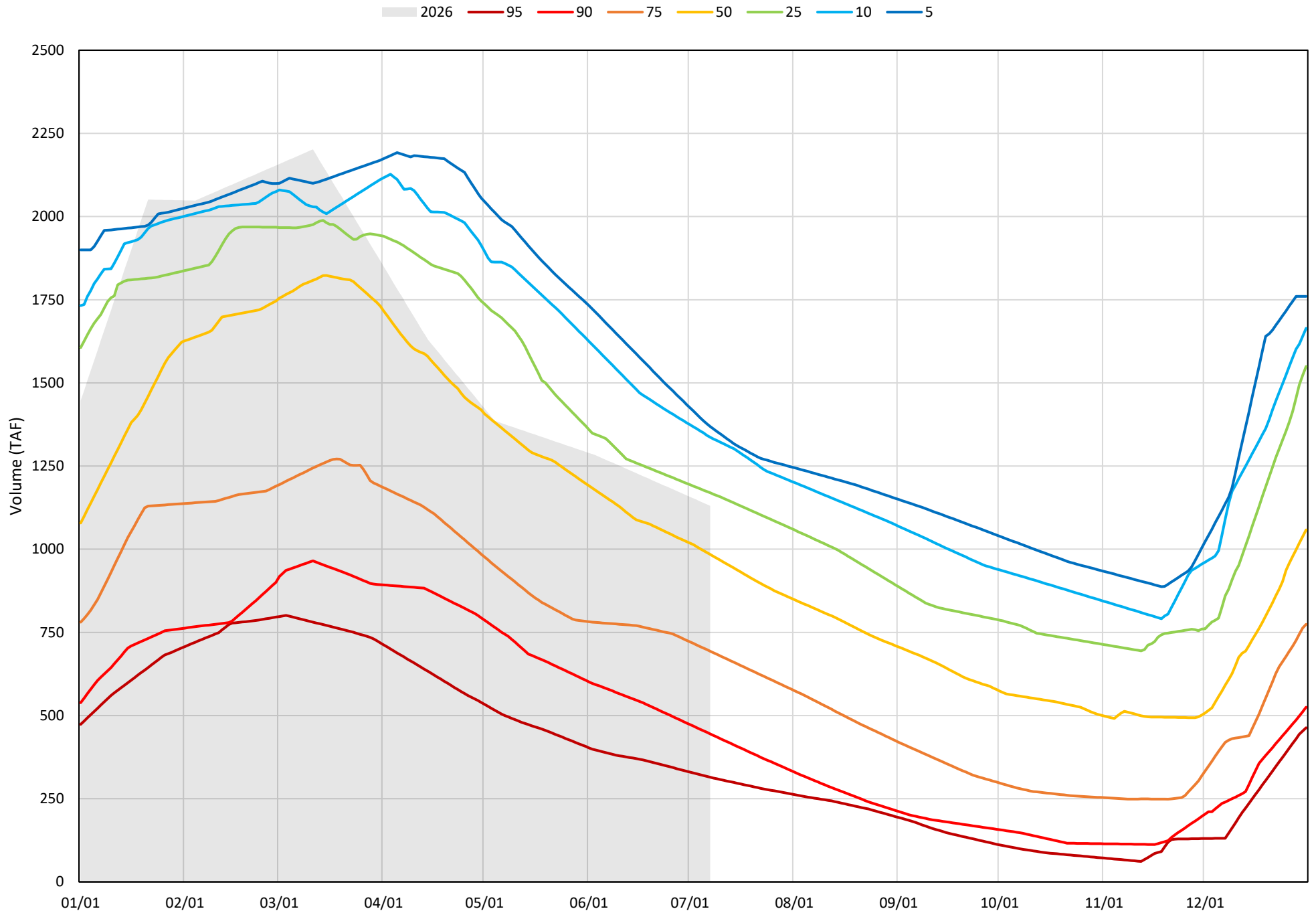
Trinity Lake Cold Water Pool Volume $\leq 48^{\circ}\text{F}$



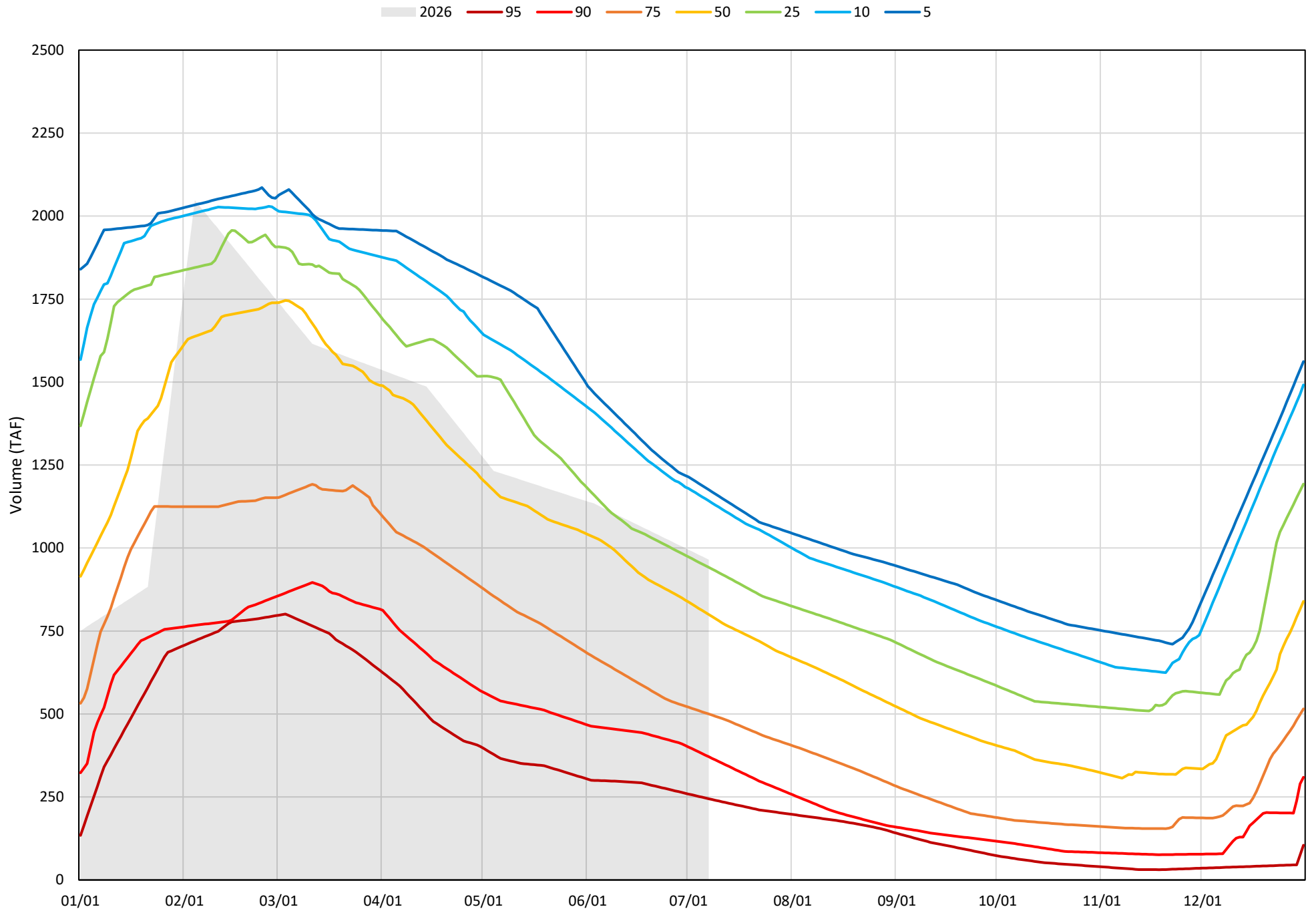
Trinity Lake Cold Water Pool Volume $\leq 52^{\circ}\text{F}$ - Percent Exceedances (2000-2025)



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)

Jul-08 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	5	-72	-115	64	0	-6	-12	6
2001	-146	-165	-143	152	-12	-15	-15	14
2002	-179	-159	-129	156	-14	-14	-13	14
2003	228	70	-35	111	18	6	-4	9
2004	-84	-134	-188	135	-7	-12	-19	13
2005	-6	-108	-284	133	-1	-10	-29	13
2006	297	232	129	219	24	21	13	19
2007	-136	-117	-71	108	-11	-10	-7	10
2008	-383	-401	-454	412	-31	-35	-47	38
2009	-539	-547	-537	541	-44	-48	-56	49
2010	-173	-240	-386	266	-14	-21	-40	25
2011	318	195	67	193	26	17	7	17
2012	155	179	171	168	13	16	18	15
2013	-256	-242	-244	247	-21	-21	-25	22
2014	-721	-658	-562	647	-58	-58	-58	58
2015	-792	-751	-668	737	-64	-66	-69	67
2016	-573	-592	-536	567	-46	-52	-56	51
2017	10	-80	-105	65	1	-7	-11	6
2018	-111	-99	-67	92	-9	-9	-7	8
2019	255	241	221	239	21	21	23	22
2020	-217	-181	-201	200	-18	-16	-21	18
2021	-626	-587	-498	570	-51	-52	-52	51
2022	-895	-852	-749	832	-73	-75	-78	75
2023	-296	-351	-357	335	-24	-31	-37	31
2024	50	29	10	30	4	3	1	3
2025	179	152	191	174	15	13	20	16

Historical - Current

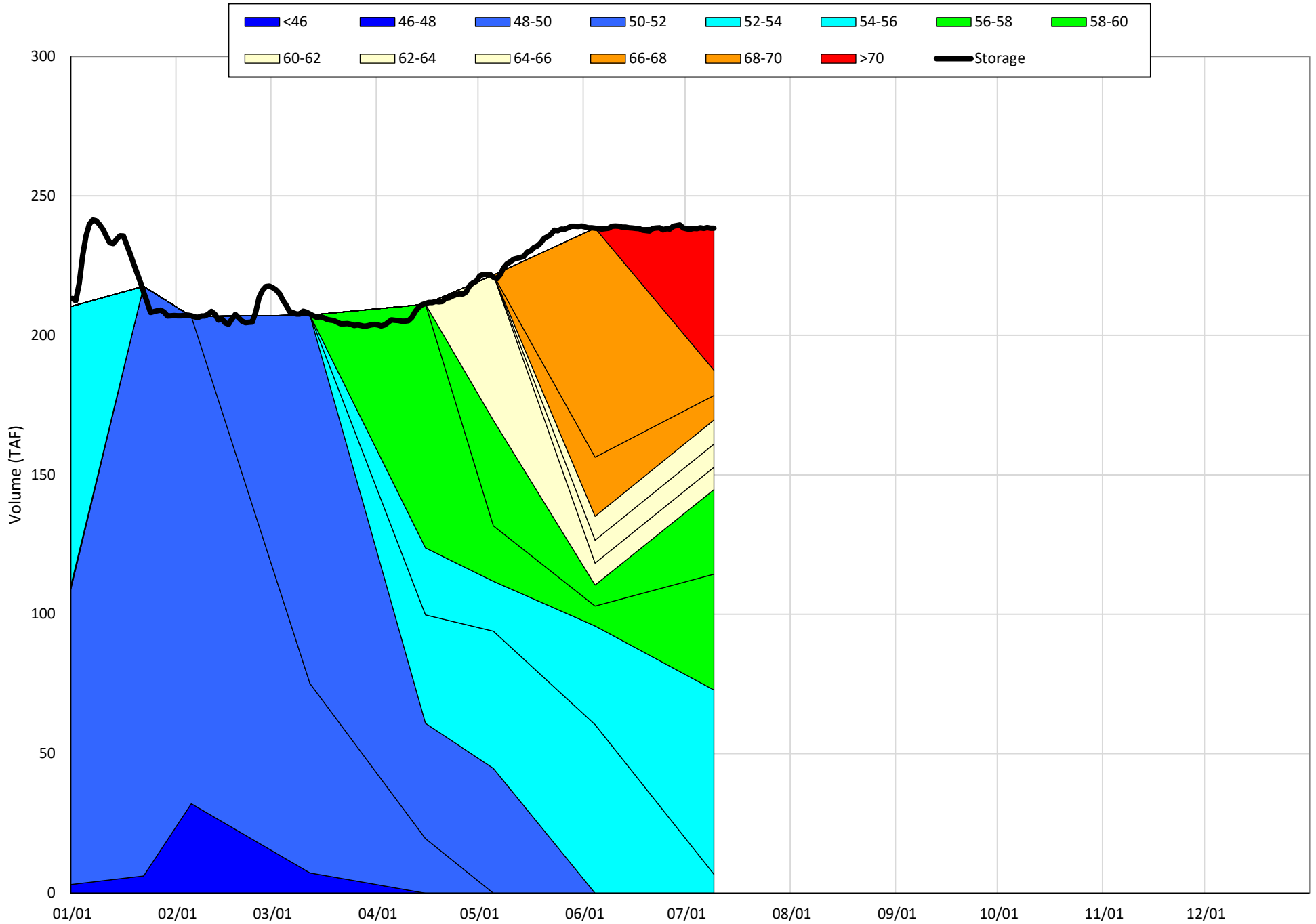
(Historical - Current) / Current

Whiskeytown Lake Isothermobaths & Cold Water Pool Statistics

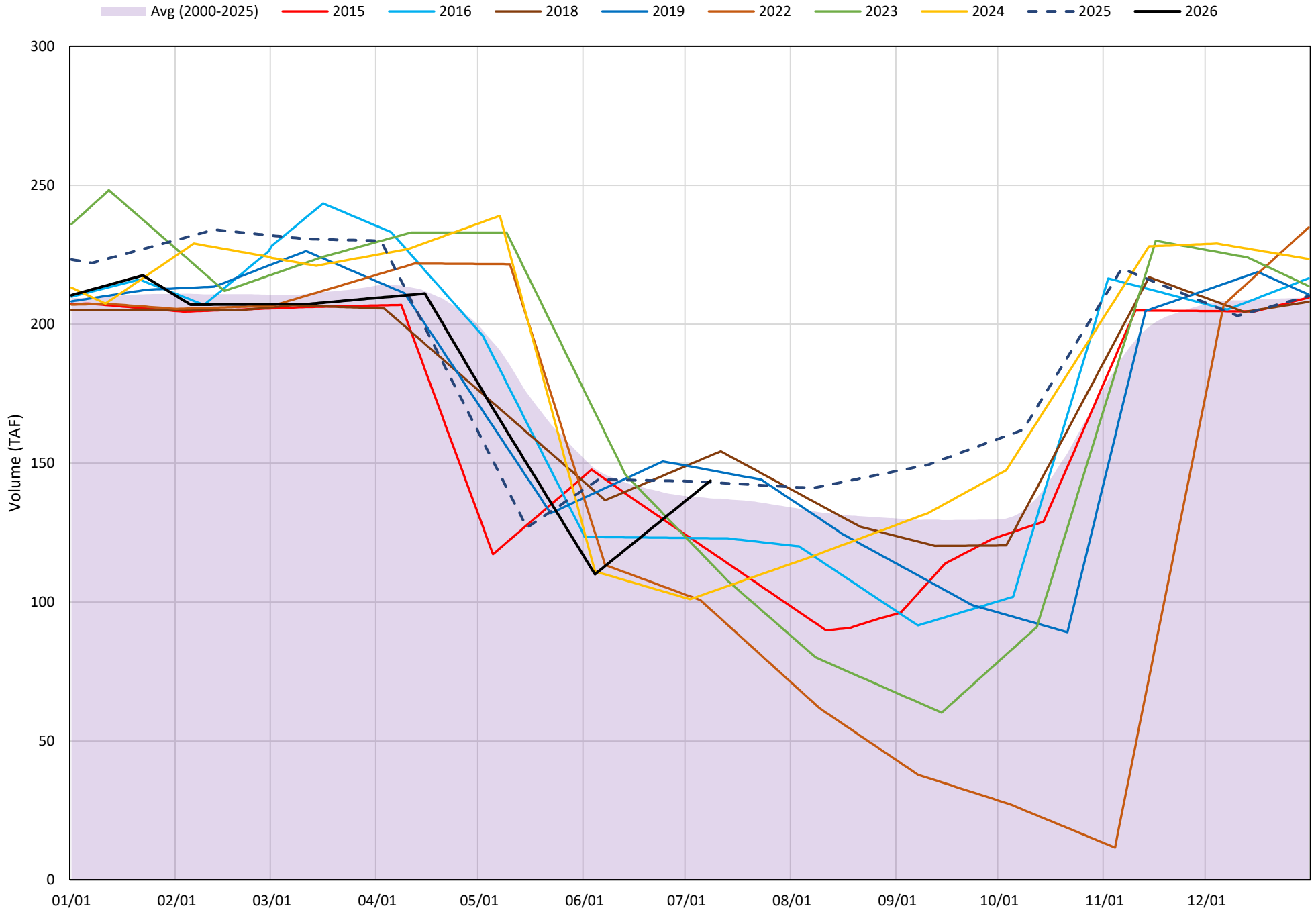
2026

Page	Description
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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

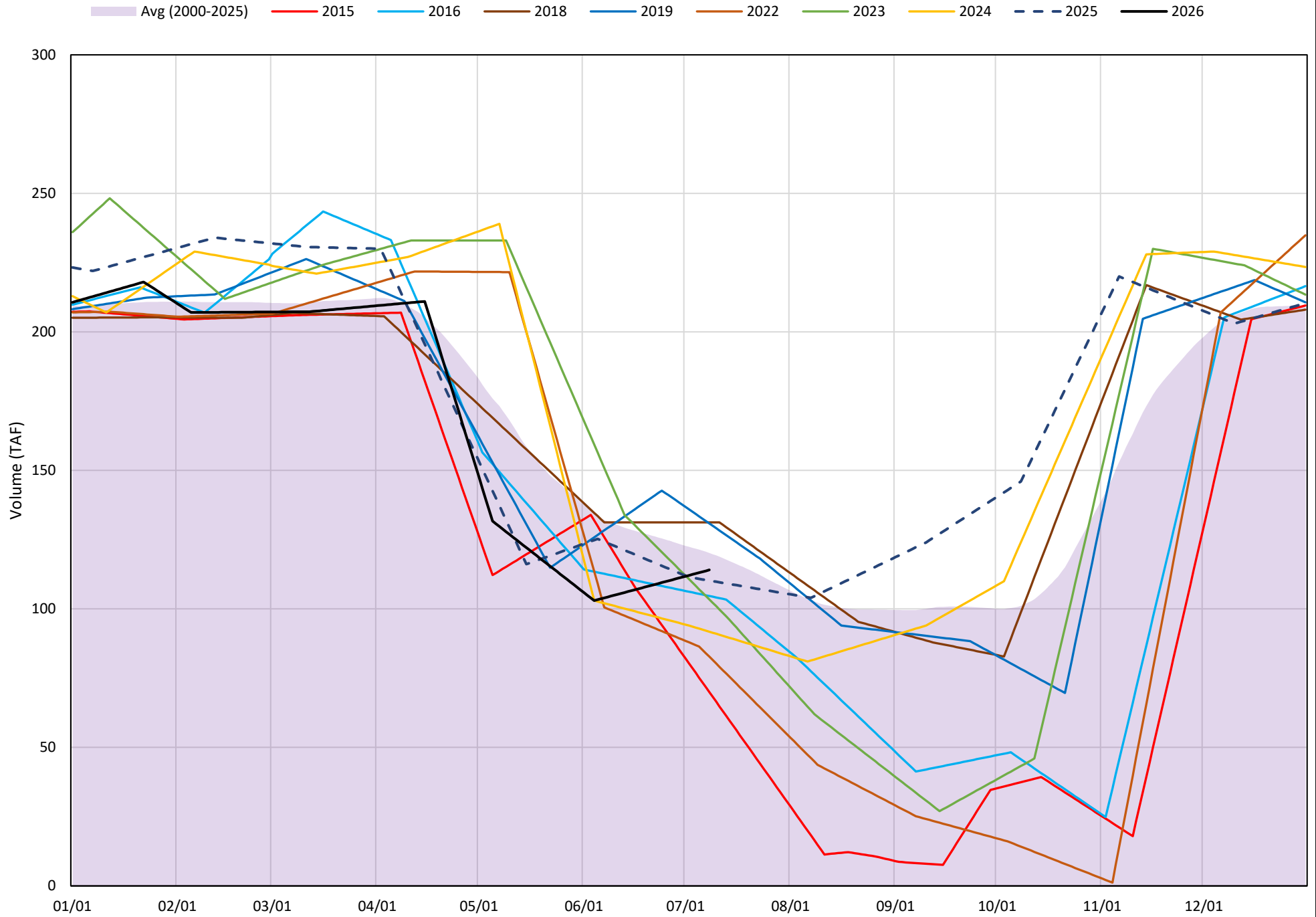
Whiskeytown Lake Isothermobaths Plot - 2026



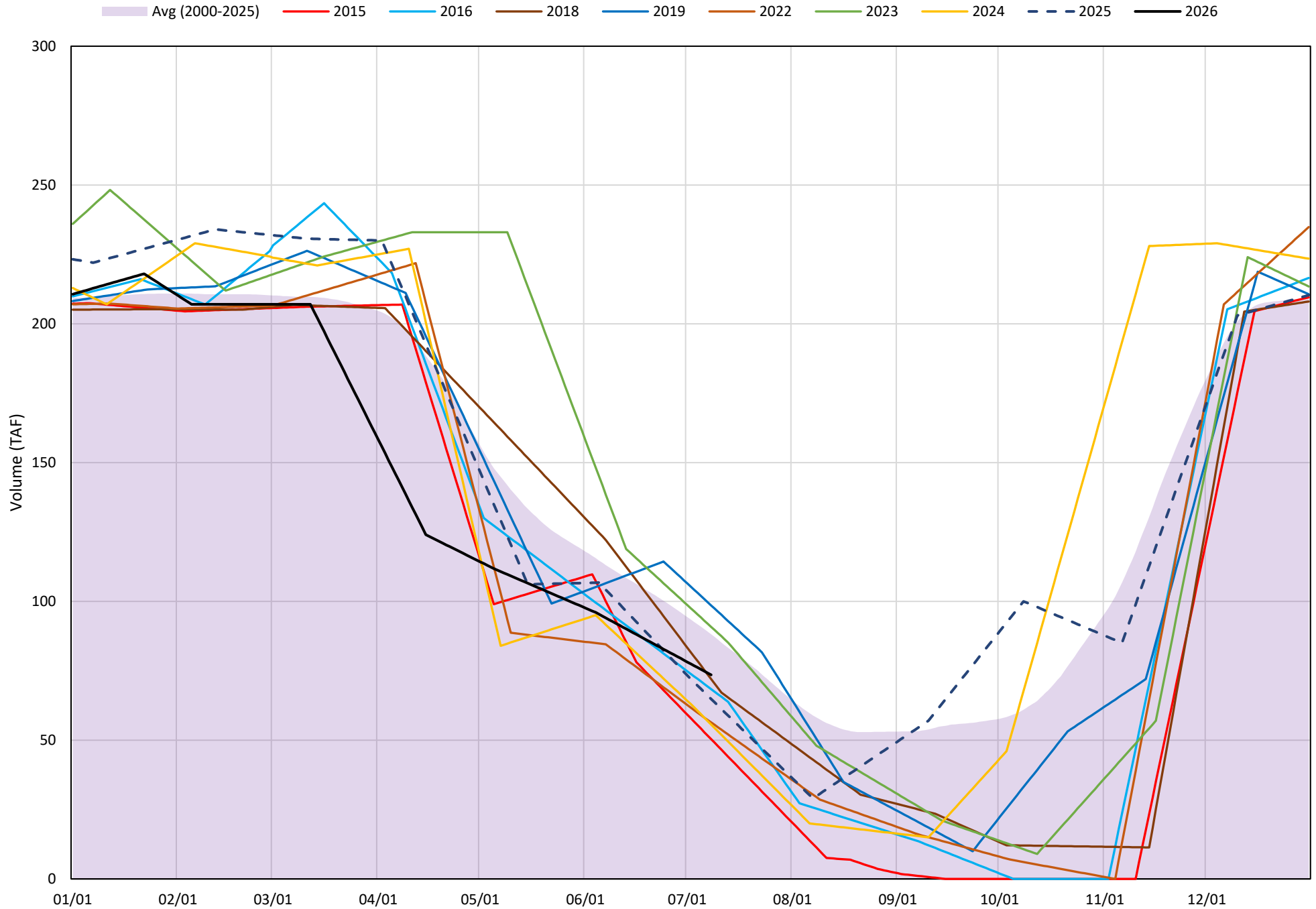
Whiskeytown Lake Cold Water Pool Volume ≤60°F



Whiskeytown Lake Cold Water Pool Volume ≤58°F

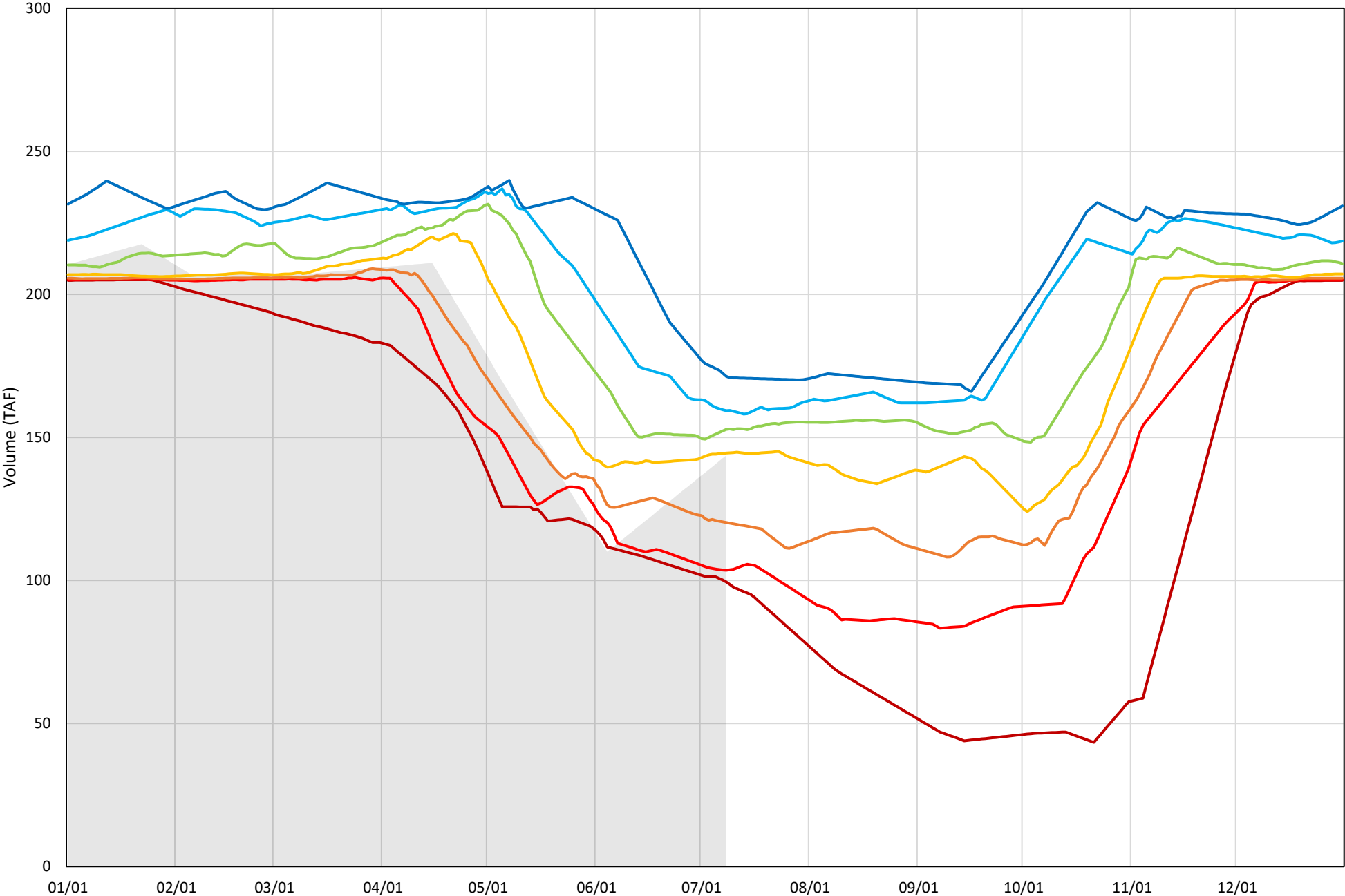


Whiskeytown Lake Cold Water Pool Volume ≤56°F



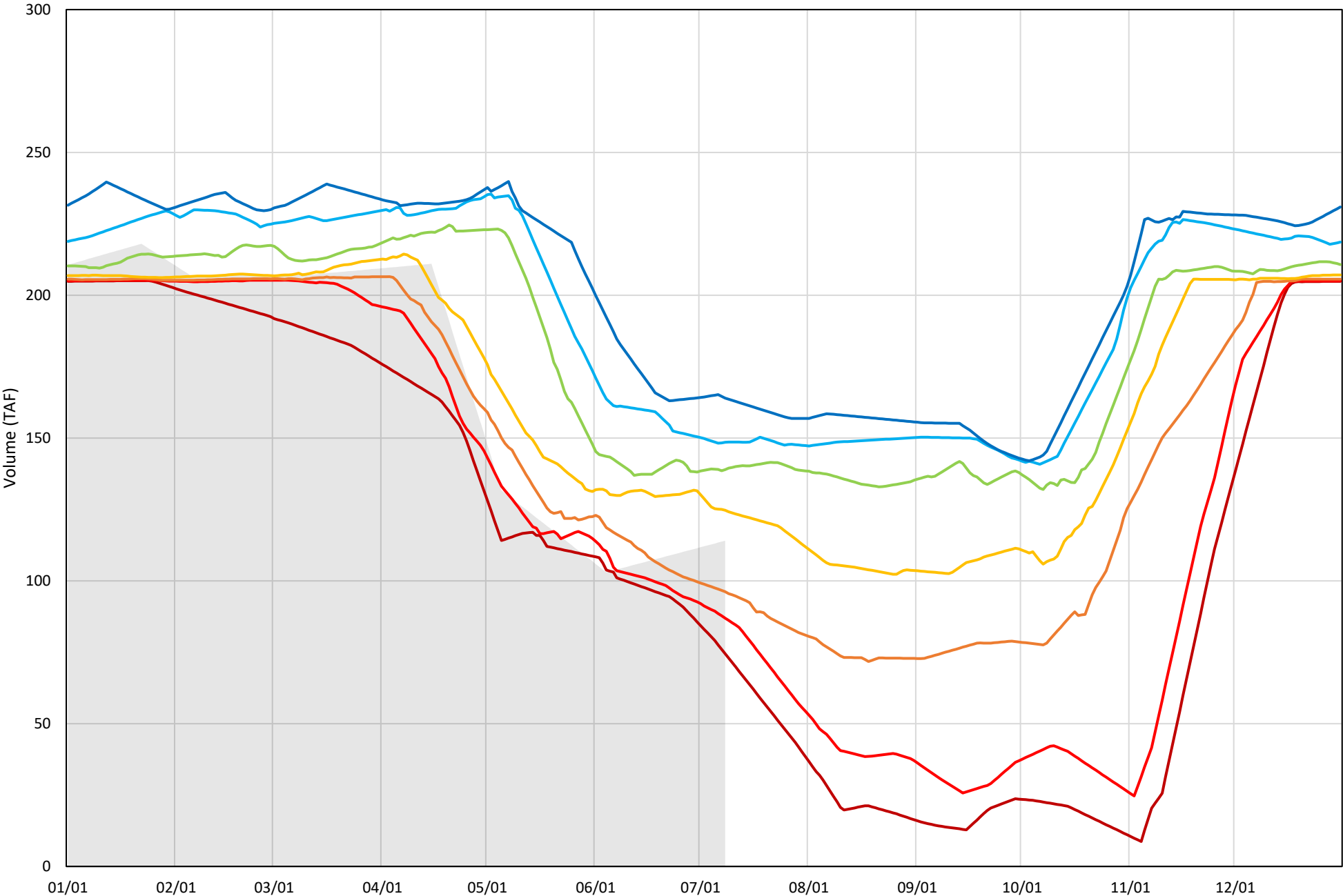
Whiskeytown Lake Cold Water Pool Volume ≤60°F - Percent Exceedances (2000-2025)

2026 95 90 75 50 25 10 5



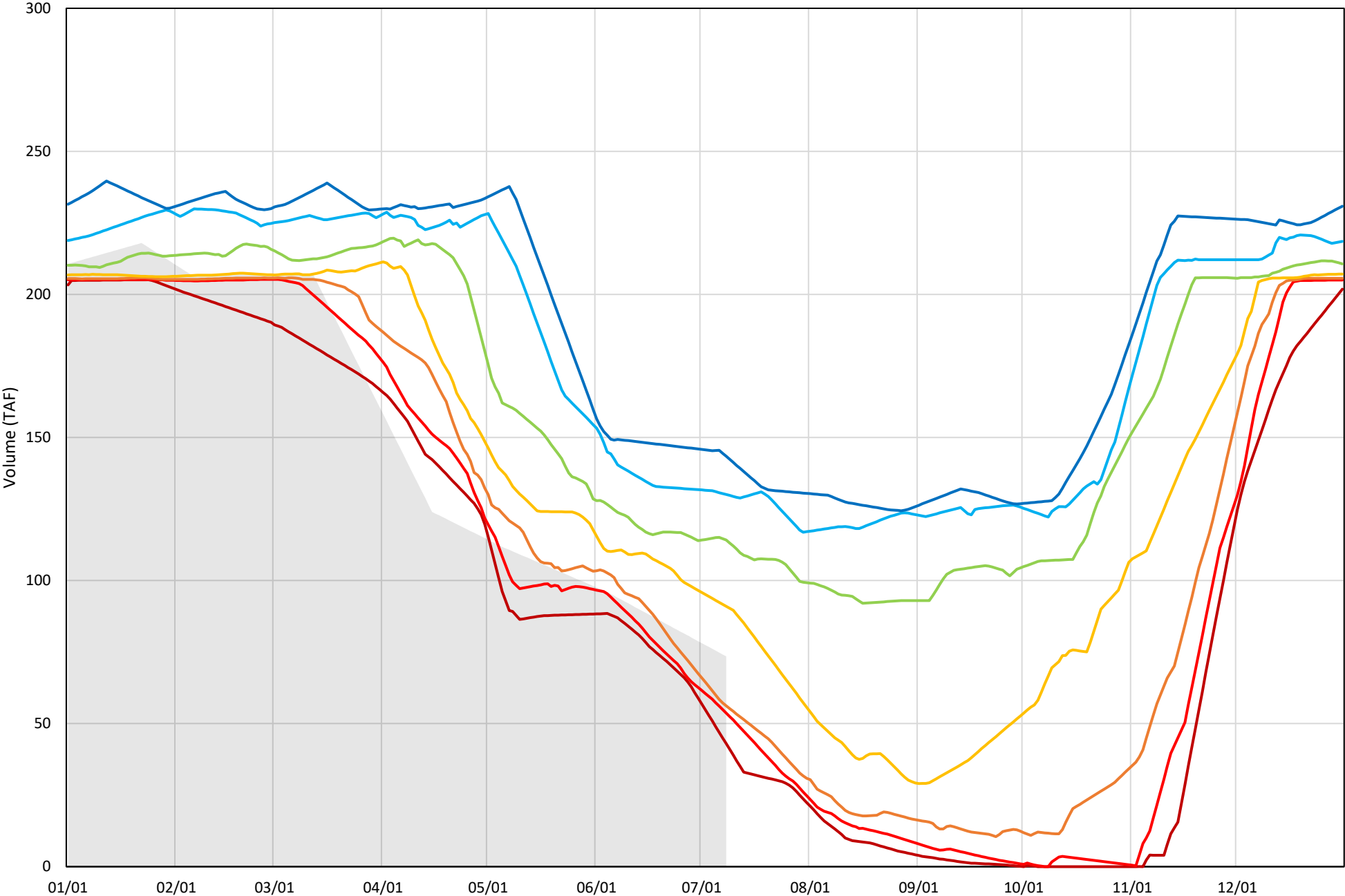
Whiskeytown Lake Cold Water Pool Volume ≤58°F - Percent Exceedances (2000-2025)

2026 95 90 75 50 25 10 5



Whiskeytown Lake Cold Water Pool Volume ≤56°F - Percent Exceedances (2000-2025)

2026 95 90 75 50 25 10 5



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

Jul-09 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	9.3	28.9	52.0	30.1	6.5	25.3	70.7	34.2
2001	5.8	24.7	31.8	20.8	4.0	21.7	43.2	23.0
2002	2.8	22.0	31.3	18.7	1.9	19.3	42.6	21.3
2003	9.7	23.7	39.9	24.4	6.8	20.7	54.2	27.2
2004	3.6	23.4	45.7	24.2	2.5	20.5	62.1	28.4
2005	-32.5	-20.8	-18.2	23.8	-22.6	-18.2	-24.7	21.9
2006	33.6	58.2	76.2	56.0	23.4	51.0	103.6	59.4
2007	2.2	23.0	27.2	17.5	1.5	20.1	37.0	19.6
2008	6.8	25.3	36.3	22.8	4.7	22.2	49.3	25.4
2009	-22.7	-25.3	-17.9	22.0	-15.8	-22.2	-24.3	20.8
2010	-8.6	-4.9	-10.6	8.0	-6.0	-4.3	-14.4	8.2
2011	16.4	32.8	42.8	30.7	11.4	28.8	58.3	32.8
2012	-5.3	4.5	-2.8	4.2	-3.7	3.9	-3.8	3.8
2013	15.3	34.4	58.3	36.0	10.6	30.2	79.3	40.0
2014	-4.0	4.0	-18.4	8.8	-2.8	3.5	-25.0	10.4
2015	-25.5	-44.1	-23.2	30.9	-17.8	-38.6	-31.5	29.3
2016	-20.7	-9.4	-5.1	11.7	-14.4	-8.2	-7.0	9.9
2017	12.9	34.6	55.8	34.4	9.0	30.3	75.9	38.4
2018	9.0	17.2	-1.5	9.2	6.3	15.1	-2.1	7.8
2019	3.8	16.8	25.0	15.2	2.6	14.7	34.1	17.1
2020	-40.3	-16.8	17.7	25.0	-28.1	-14.8	24.1	22.3
2021	-19.9	-23.9	-34.5	26.1	-13.8	-21.0	-46.9	27.2
2022	-46.3	-31.3	-17.1	31.6	-32.2	-27.4	-23.3	27.7
2023	-29.6	-10.6	17.3	19.2	-20.6	-9.3	23.5	17.8
2024	-40.1	-22.3	-17.9	26.8	-27.9	-19.5	-24.3	23.9
2025	-0.6	-3.8	-8.7	4.4	-0.4	-3.4	-11.8	5.2

Historical - Current

(Historical - Current) / Current