

Northern CVP Water Temperature Report

September - 2025

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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
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
09/01	50.2	🔴 49.5	57.9	51.9	52.5	53.2	54.8	56.7	58.0	58.1	48.5	55.8	61.1	7113	1741	8596	81.5	75.9	78.2
09/02	50.4	🔴 49.1	57.8	52.0	52.4	53.1	54.4	56.3	57.7	57.4	48.6	55.3	60.1	6733	1723	8595	85.0	78.0	80.6
09/03	50.5	🔴 49.5	57.8	52.0	52.6	53.5	55.1	56.9	57.8	58.7	48.3	55.6	61.0	7115	1696	8619	86.0	83.4	80.8
09/04	49.7	48.9	57.7	52.1	52.7	53.5	55.2	57.1	58.5	58.6	48.2	56.3	62.1	6191	1718	8598	84.0	78.5	78.6
09/05	49.1	🔴 48.5	57.7	52.1	52.8	53.5	55.4	57.0	58.3	57.9	48.4	55.8	61.3	6771	1810	8411	77.0	73.0	72.0
09/06	49.0	48.3	57.6	51.4	52.3	53.1	55.4	57.1	58.6	57.7	48.3	56.0	61.2	6338	1755	8201	77.0	72.2	71.8
09/07	48.8	48.2	57.6	51.2	51.8	52.4	54.3	56.2	57.8	57.1	48.7	55.8	60.9	6226	1859	7960	72.0	68.3	68.3
09/08	49.1	48.3	57.5	51.0	51.6	52.1	53.9	55.6	56.9	56.9	48.6	54.8	59.3	6111	1346	7995	71.0	67.0	68.8
09/09	49.0	48.5	57.4	50.1	51.1	51.8	53.9	55.8	56.9	57.5	48.1	54.4	58.6	7579	698	8016	73.0	68.8	69.2
09/10	49.8	48.8	57.4	50.7	51.1	51.5	53.0	🔴 54.8	56.4	56.9	48.1	53.9	58.5	6397	1651	8013	70.5	63.5	65.7
09/11	50.0	49.1	57.4	50.9	51.4	51.9	53.4	🔴	55.8	57.4	48.1	54.3	59.0	6564	1650	8012	70.5	66.2	68.1
09/12	49.9	49.2	57.3	51.6	52.1	52.8	54.5	🔴	56.7	58.0	47.9	54.9	59.6	6564	1650	8015	77.0	72.3	73.9
09/13	49.9	49.3	57.3	51.6	52.3	53.1	55.0	🔴	57.9	58.1	48.2	55.0	60.0	6019	1656	7816	76.0	71.9	72.1
09/14	49.9	49.4	57.2	51.9	52.4	53.2	55.1	🔴	58.2	57.8	48.3	55.2	59.9	5693	1722	7625	75.5	71.7	71.2
09/15	49.1	48.7	57.2	52.1	52.7	53.5	55.2	🔴	58.0	57.3	48.4	54.7	59.6	5932	1746	7615	80.0	71.9	74.7
09/16	49.7	48.9	57.1	51.5	52.4	53.1	55.0	🔴	58.1	56.7	48.4	54.3	58.9	5951	1601	7617	77.0	70.9	73.5
09/17	49.6	🔴 48.9	57.0	51.4	52.0	52.6	54.4	!	57.8	56.9	48.3	54.4	59.1	5531	1622	7615	80.0	72.5	76.2
09/18	49.7	🔴 48.7	57.0	51.4	52.0	52.7	54.3	55.6	57.0	56.8	48.2	54.8	59.2	6415	1490	7613	81.5	71.5	75.3
09/19	49.6	48.8	56.8	50.9	51.4	51.8	53.5	55.3	🔴 56.8	56.0	48.3	54.6	59.1	6290	1161	7552	72.0	69.1	69.7
09/20	50.1	🔴 49.0	56.9	51.1	51.6	52.2	53.6	54.7	55.9	56.6	🔴 48.4	54.4	59.2	5927	1654	7538	76.5	71.6	73.5
09/21	49.8	49.2	56.8	51.4	51.9	52.7	54.3	55.7	57.0	56.7	48.4	54.8	59.7	6062	1464	7389	78.0	72.8	75.1
09/22	49.8	49.1	56.7	51.7	52.3	53.1	54.6	56.1	57.5	56.5	48.3	54.6	59.3	5230	1362	7404	80.5	73.3	77.3
09/23	50.2	🔴 49.4	56.8	51.6	52.3	53.0	54.7	56.2	57.8	56.4	48.4	54.2	58.8	5847	1651	7321	81.0	73.8	78.7
09/24	50.0	49.4	56.6	51.3	52.1	52.9	54.7	56.2	57.7	56.1	48.1	54.1	58.5	5685	1375	7315	75.5	69.1	71.8
09/25	50.0	49.4	56.6	51.8	52.3	52.9	54.4	55.9	57.7	56.1	48.3	54.5	58.9	5695	1587	7342	76.0	70.0	74.0
09/26	50.0	🔴 49.3	56.5	51.9	52.5	53.3	54.7	56.1	57.4	55.9	48.1	54.5	59.1	6344	1293	7363	79.0	74.6	78.2
09/27	50.0	49.3	56.5	51.3	52.0	52.6	54.4	55.9	57.6	55.6	48.0	53.5	58.1	5339	1669	7363	74.0	70.6	74.5
09/28	50.4	49.7	56.4	51.6	52.2	52.8	54.3	55.7	57.1	🔴 55.6	🔴 48.1	53.8	57.9	5565	1656	7113	69.0	65.9	66.5
09/29	50.0	🔴 49.6	🔴 56.4	🔴 51.6	🔴 51.8	🔴 52.1	🔴 53.4	🔴 55.0	🔴 56.5	🔴 55.0	🔴 47.9	🔴 53.2	🔴 57.0	5284	1685	7113	🔴 64.5	63.6	64.0
09/30	50.6	🔴 49.7	🔴 56.3	🔴 51.4	🔴 51.7	🔴 52.1	🔴 53.3	🔴 54.1	🔴 55.1	🔴 54.9	🔴 47.8	🔴 51.7	🔴 55.3	5370	1498	7116	🔴 64.5	62.3	63.8
-																			
Sep	49.8	49.0	57.1	51.5	52.1	52.7	54.4	55.9	57.3	56.9	48.3	54.6	59.3	6129	1573	7762	76.2	71.1	72.9

Total CFS	183881	47189	232861
Total AF	364720	93597	461870

Legend

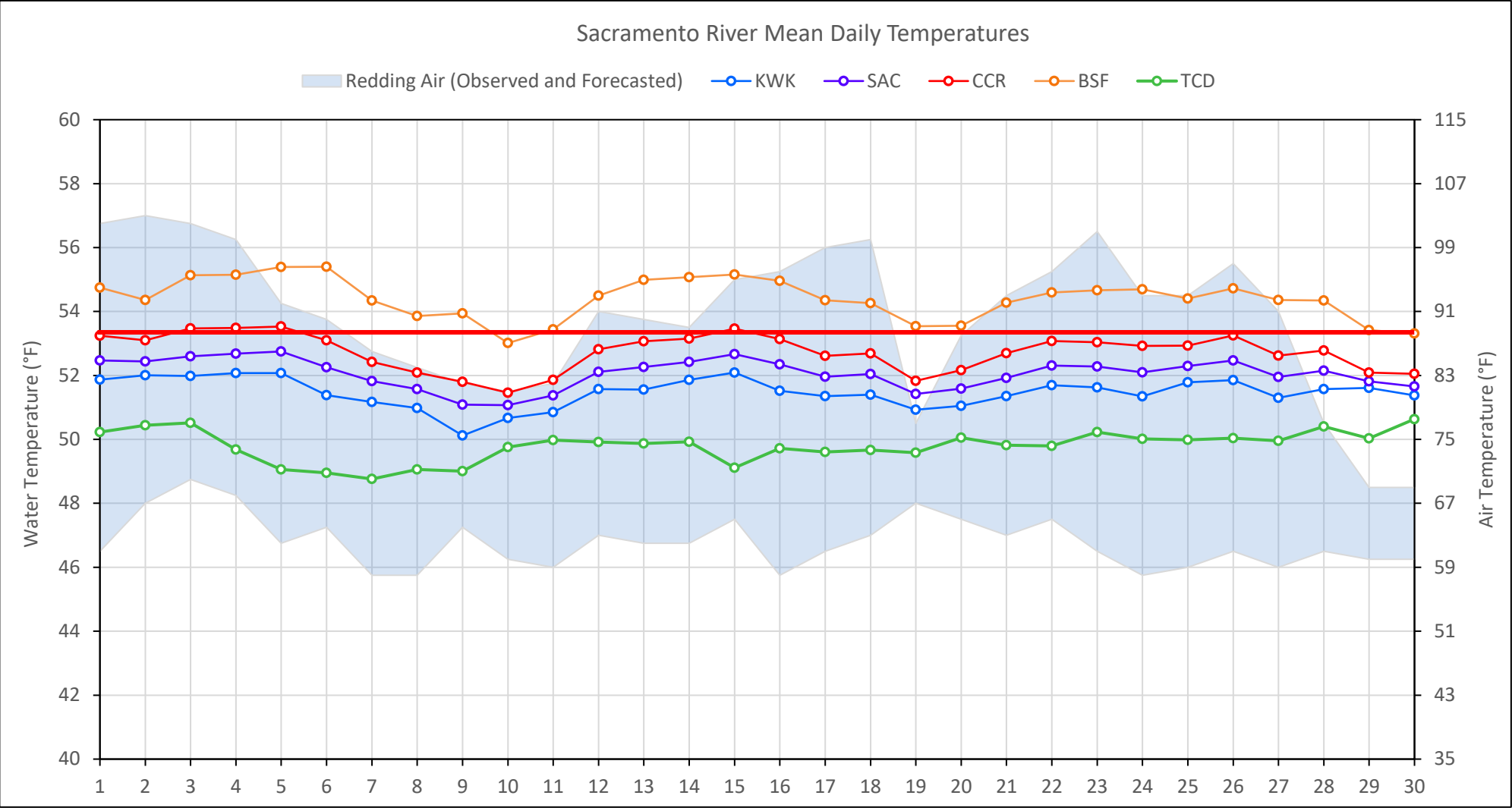
Notes

- ? = 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)



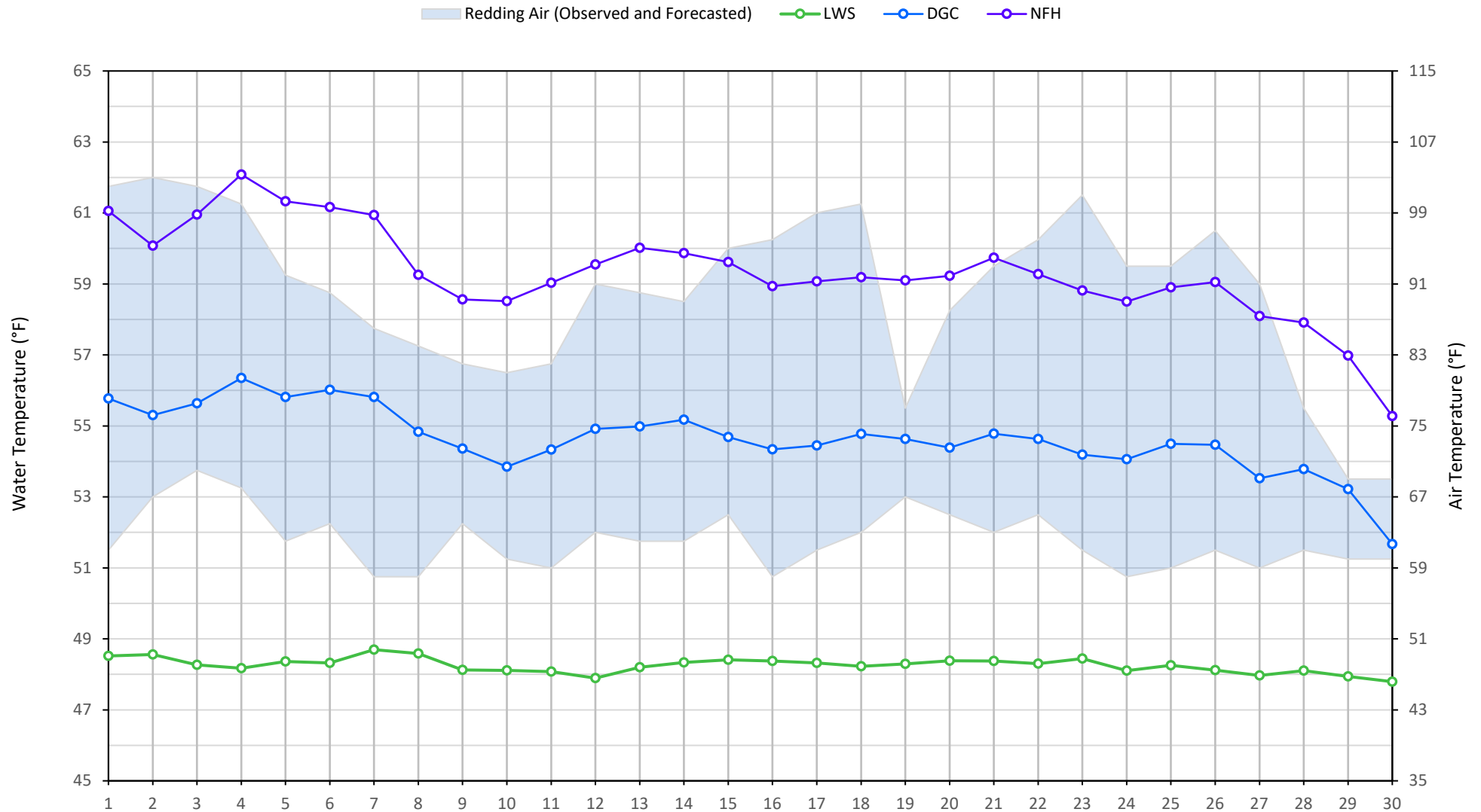
Station Details			
Code	Body of Water	Location ¹	CDEC Link
TCD	N/A	Shasta Power Plant	N/A
SHD	Sacramento River	0.3 miles downstream of Shasta Power Plant	Click Here
SPP	N/A	Spring Creek Power Plant	N/A
KWK	Sacramento River	0.8 miles downstream of Keswick Dam	Click Here
SAC	Sacramento River	4.8 miles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

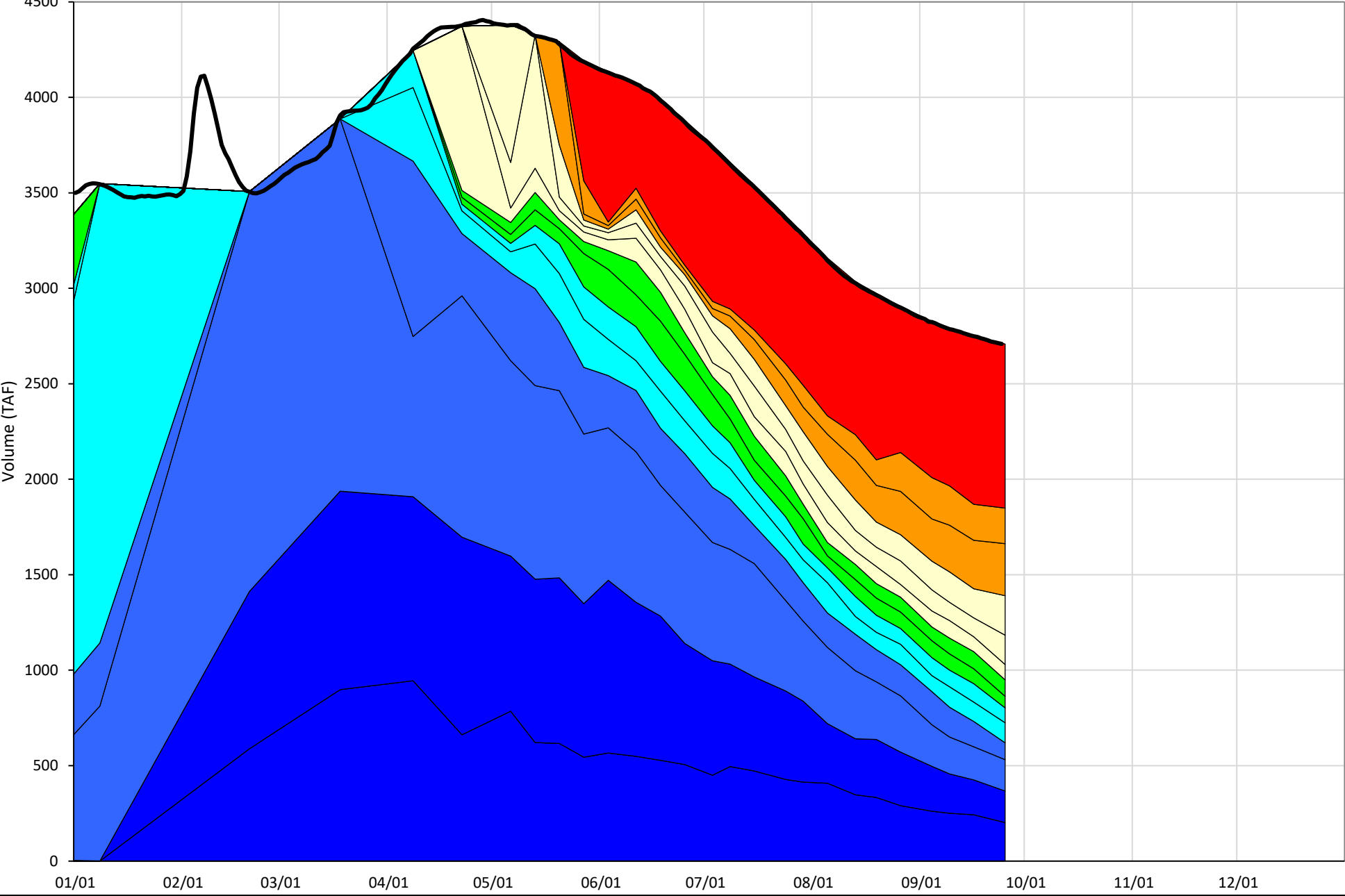
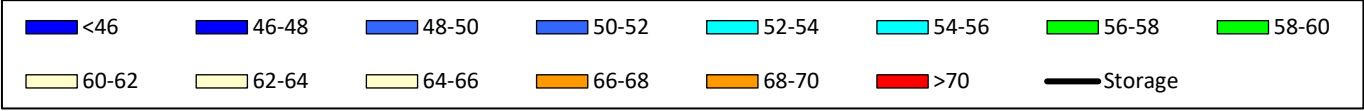
¹ Distances are approximate

Shasta Lake Isothermobaths & Cold Water Pool Statistics

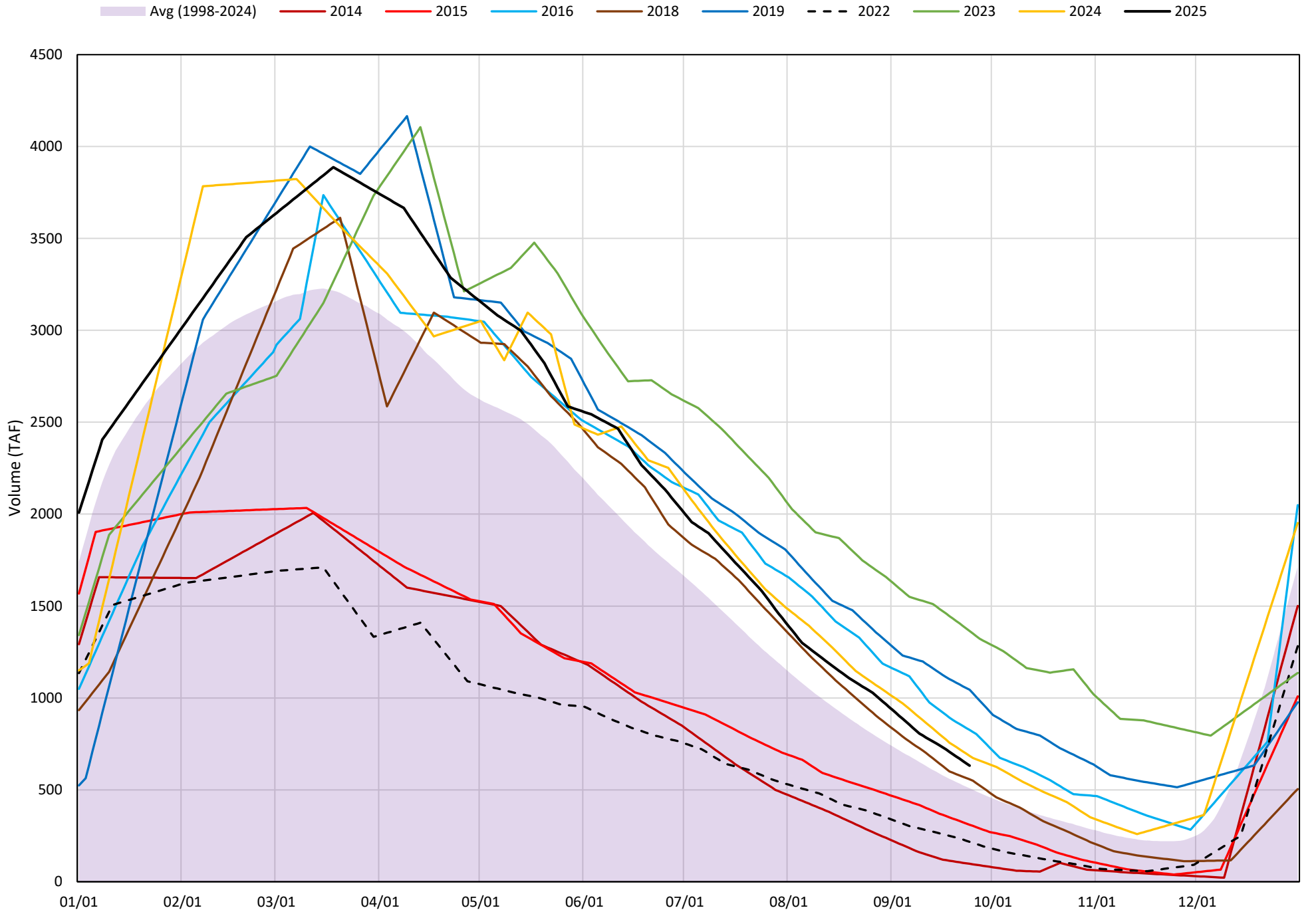
2025

Page	Description
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7	- Shasta Lake Cold Water Pool Volume $\leq 52^{\circ}\text{F}$
8	- Shasta Lake Cold Water Pool Volume $\leq 50^{\circ}\text{F}$
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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

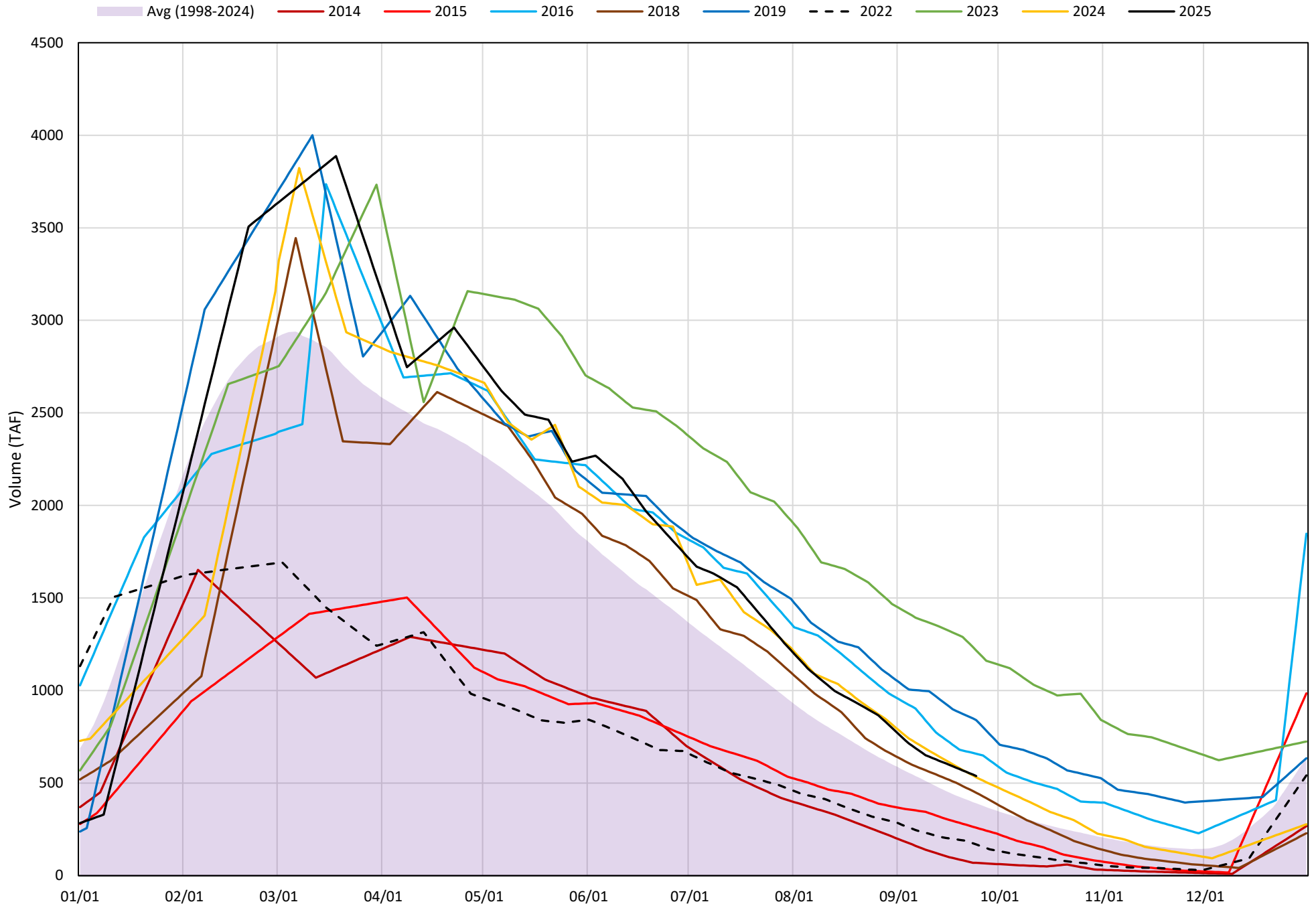
Shasta Lake Isothermobaths Plot - 2025



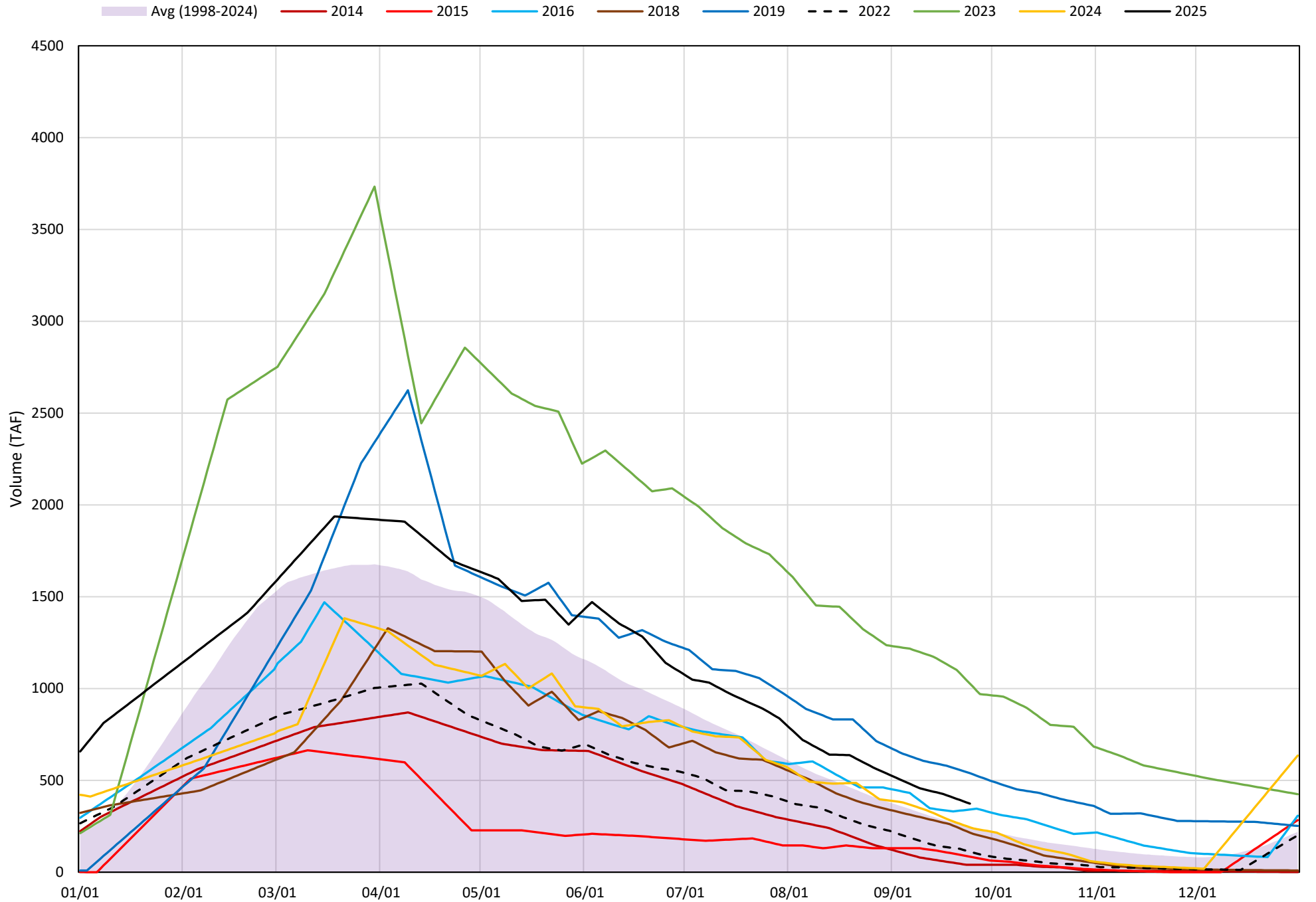
Shasta Lake Cold Water Pool Volume ≤52°F



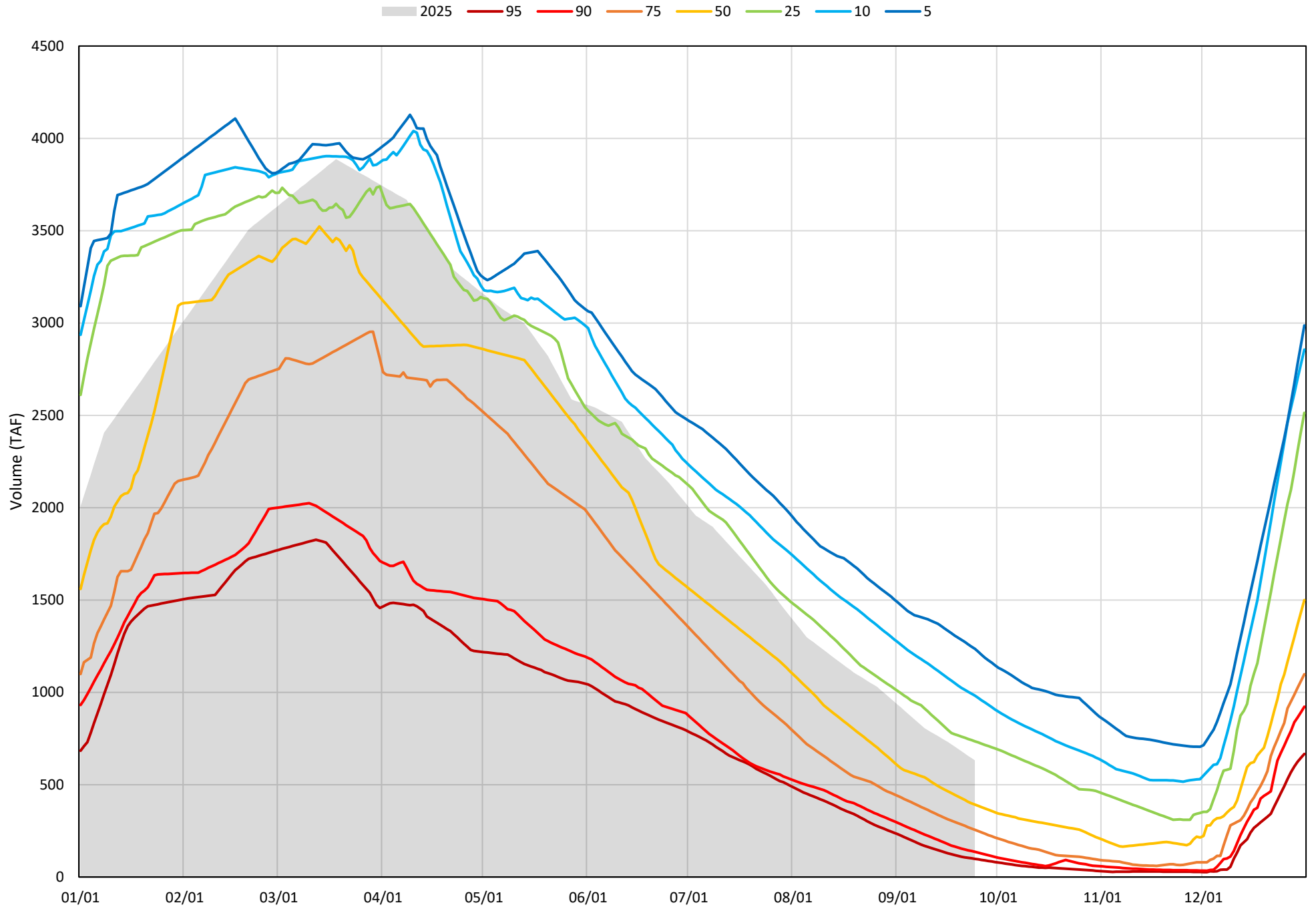
Shasta Lake Cold Water Pool Volume ≤50°F



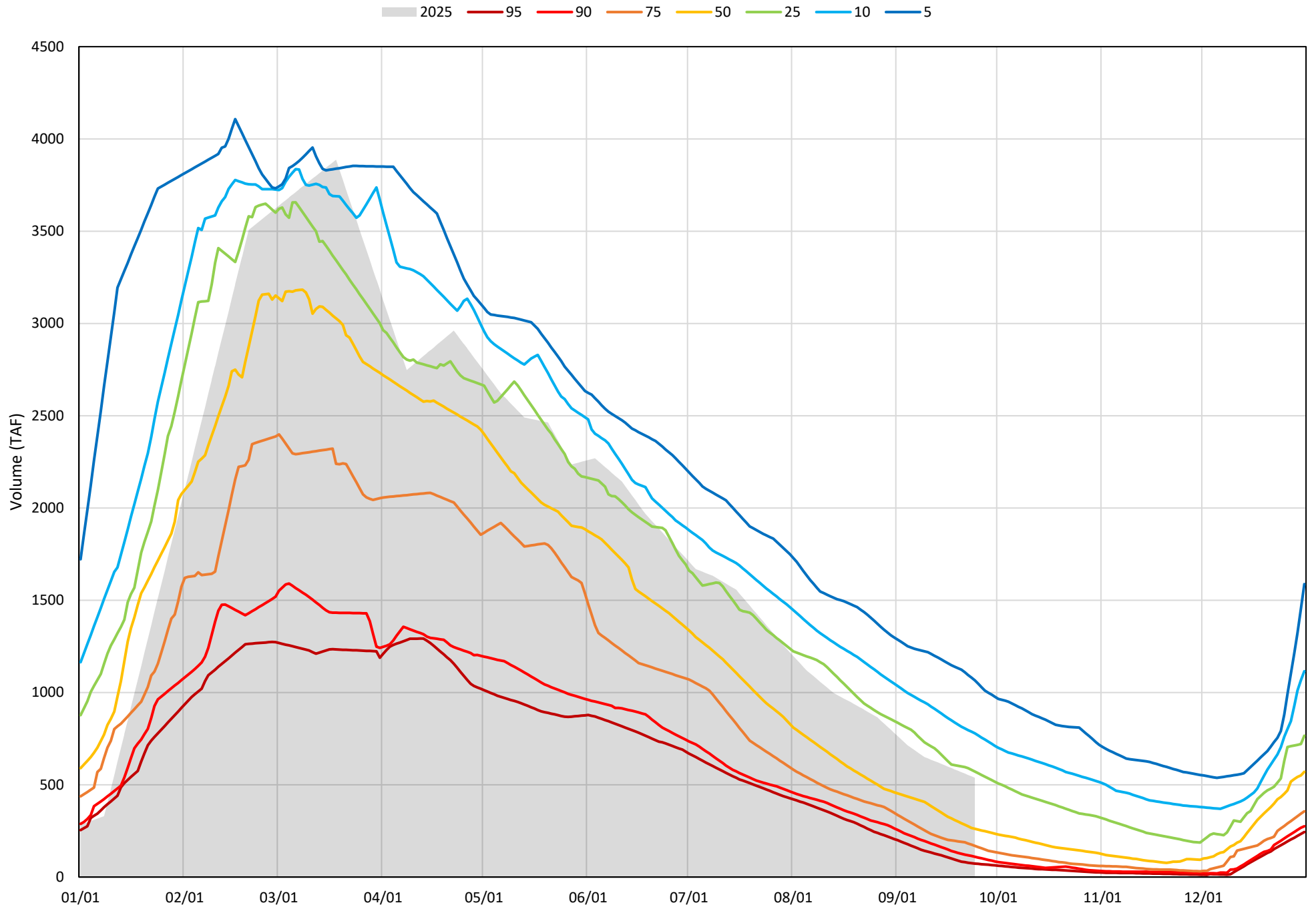
Shasta Lake Cold Water Pool Volume ≤48°F



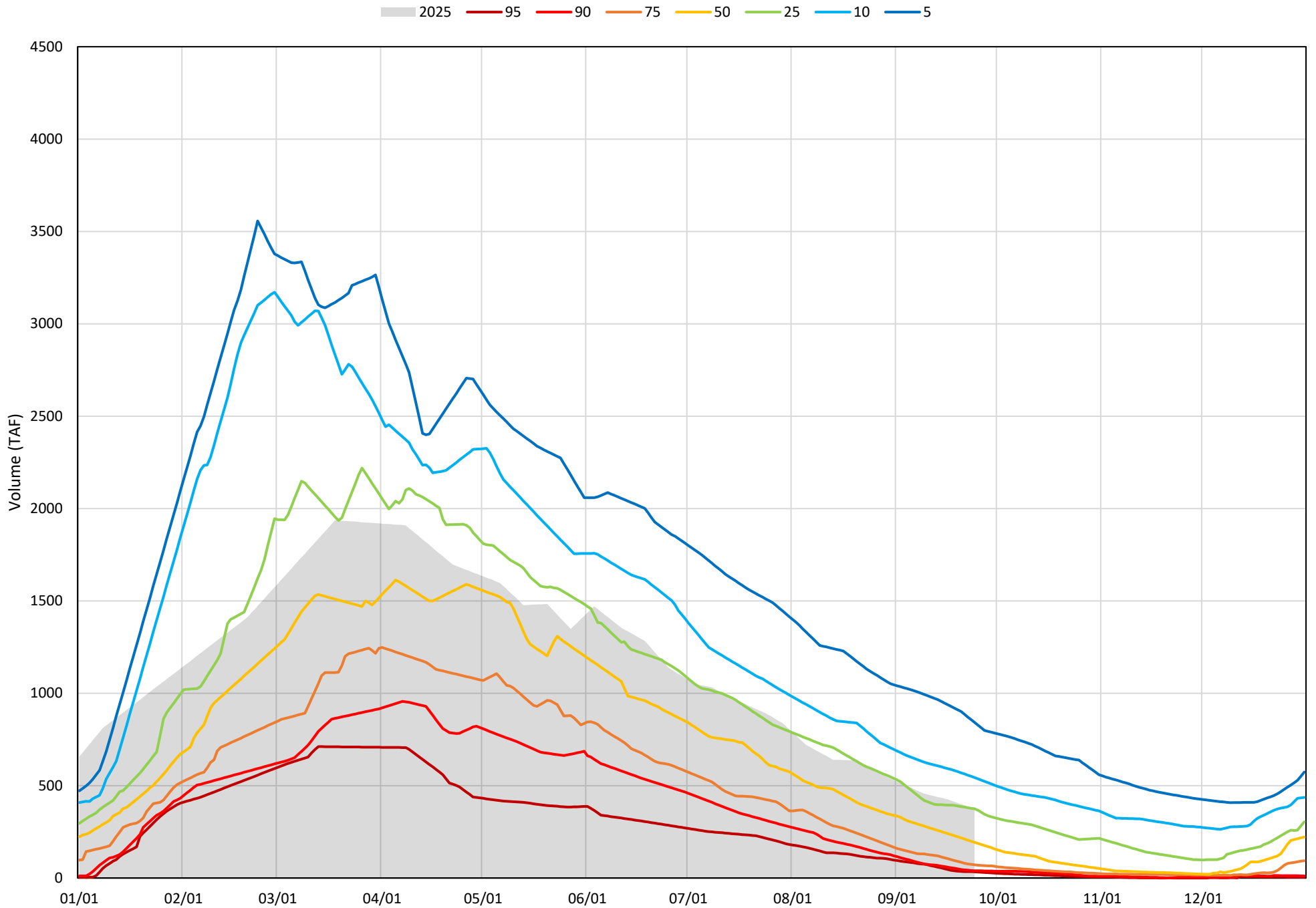
Shasta Lake Cold Water Pool Volume $\leq 52^{\circ}\text{F}$ - Percent Exceedances (1998-2024)



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)

Sep-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	-321	-391	-343	352	-51	-73	-92	72
1999	103	46	62	70	16	9	16	14
2000	-255	-322	-311	296	-40	-60	-83	61
2001	-306	-279	-180	255	-48	-52	-48	49
2002	-128	-123	5	86	-20	-23	1	15
2003	-127	-282	-315	241	-20	-52	-84	52
2004	-434	-410	-304	383	-69	-76	-81	75
2005	-381	-383	-302	355	-60	-71	-81	71
2006	-100	-122	-108	110	-16	-23	-29	22
2007	-353	-310	-210	291	-56	-58	-56	57
2008	-487	-421	-288	399	-77	-78	-77	77
2009	-376	-336	-228	314	-60	-62	-61	61
2010	176	33	-52	87	28	6	-14	16
2011	335	224	193	251	53	42	52	49
2012	22	11	1	11	4	2	0	2
2013	-242	-191	-98	177	-38	-35	-26	33
2014	-534	-470	-333	446	-85	-87	-89	87
2015	-321	-279	-289	297	-51	-52	-77	60
2016	194	120	-32	115	31	22	-9	21
2017	272	122	92	162	43	23	25	30
2018	-75	-90	-158	108	-12	-17	-42	24
2019	412	302	165	293	65	56	44	55
2020	-240	-277	-274	263	-38	-51	-73	54
2021	-532	-459	-336	442	-84	-85	-90	86
2022	-414	-370	-262	349	-66	-69	-70	68
2023	732	678	653	688	116	126	175	139
2024	53	-7	-129	63	8	-1	-35	15
2025	0	0	0	0	0	0	0	0

Historical - Current

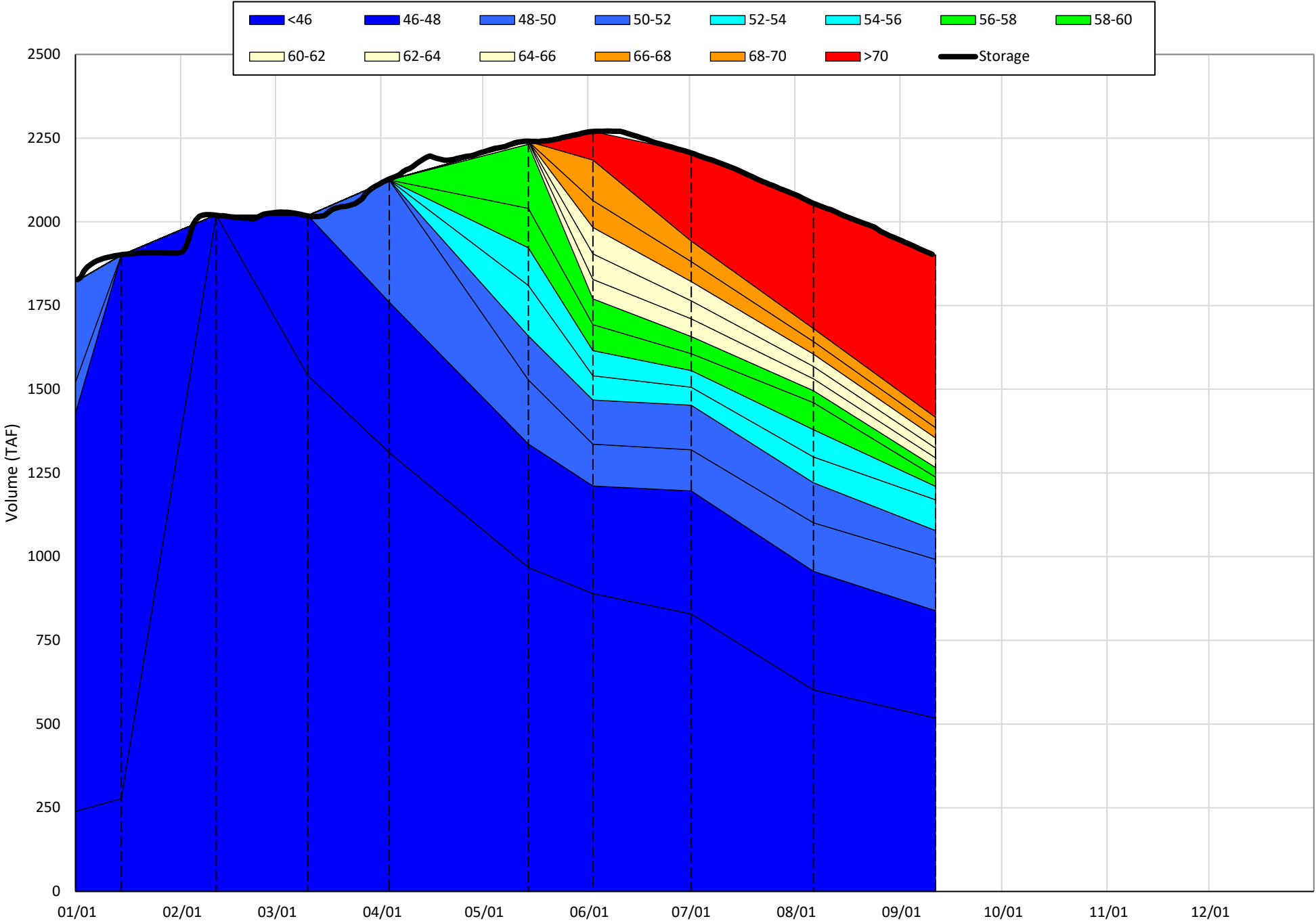
(Historical - Current) / Current

Trinity Lake Isothermobaths & Cold Water Pool Statistics

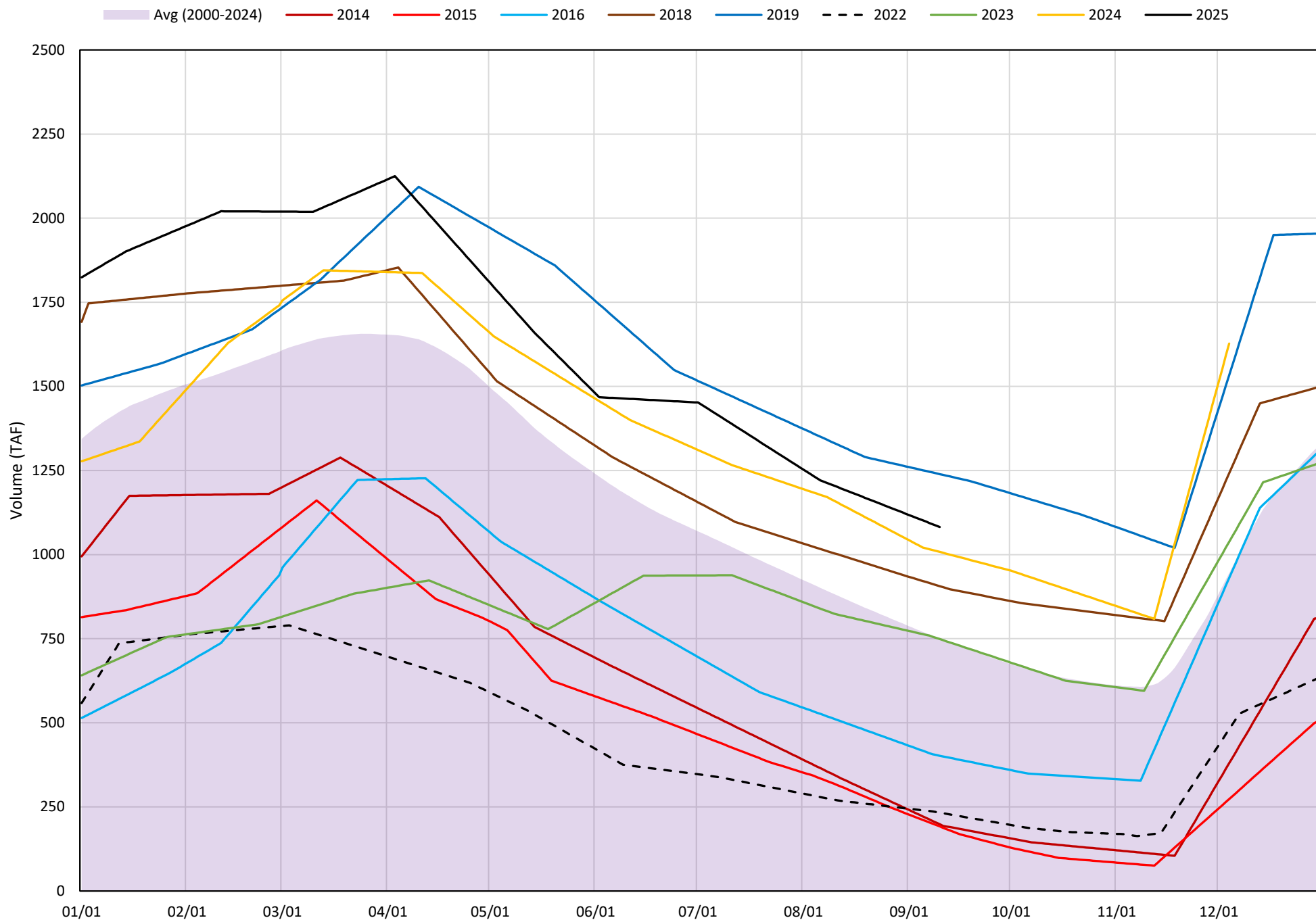
2025

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 $\leq 50^{\circ}\text{F}$
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

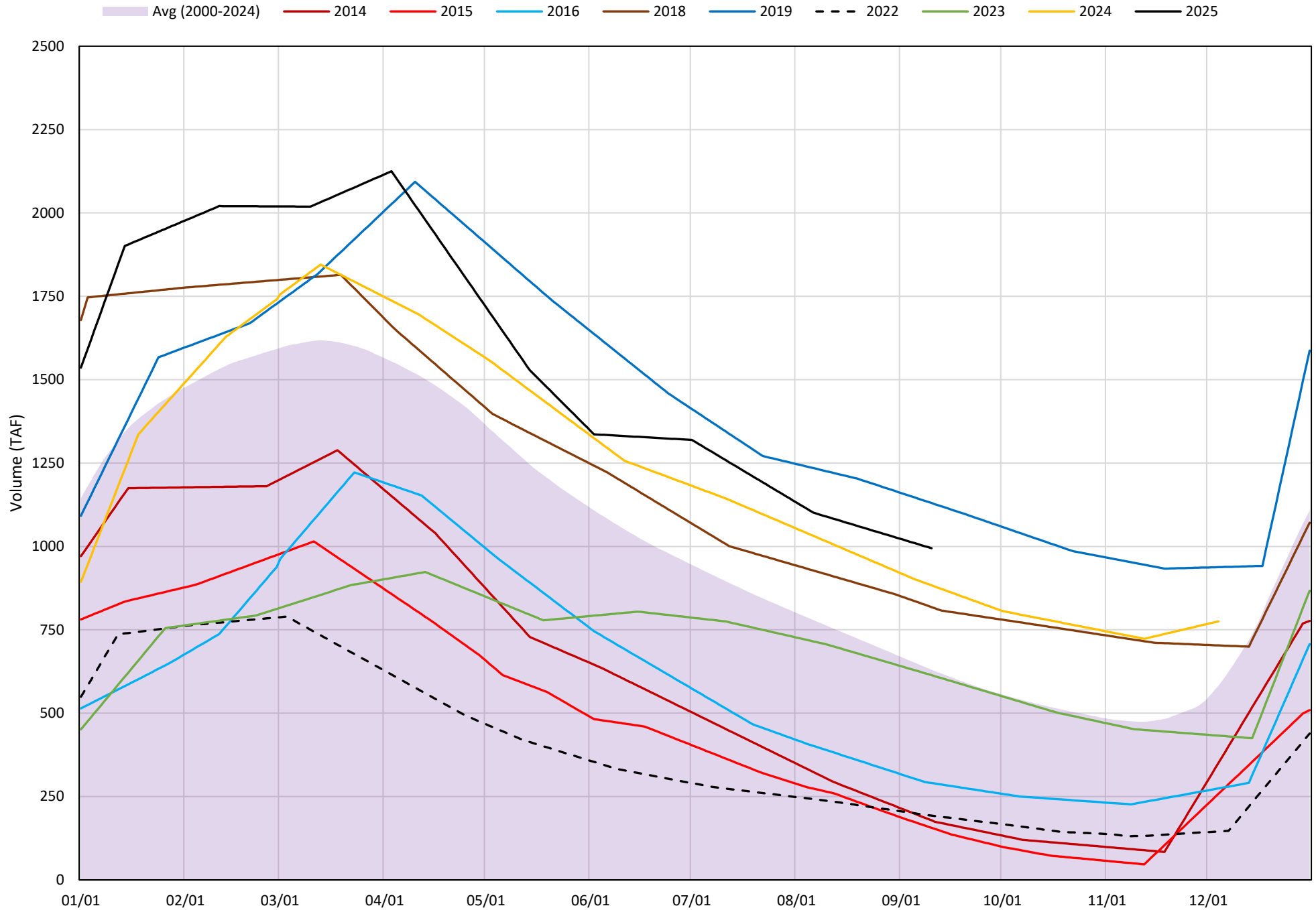
Trinity Lake Isothermobaths Plot - 2025



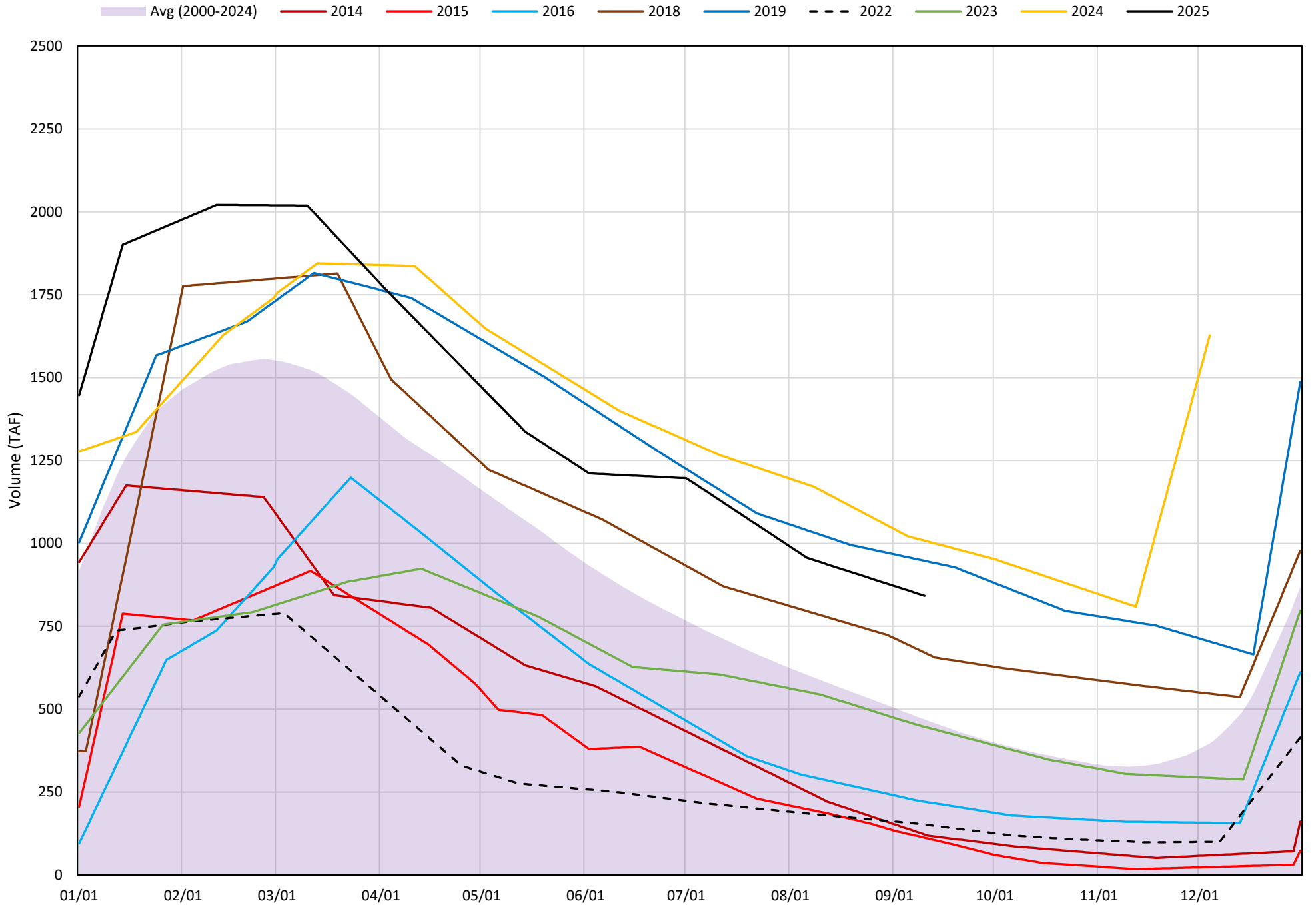
Trinity Lake Cold Water Pool Volume ≤52°F



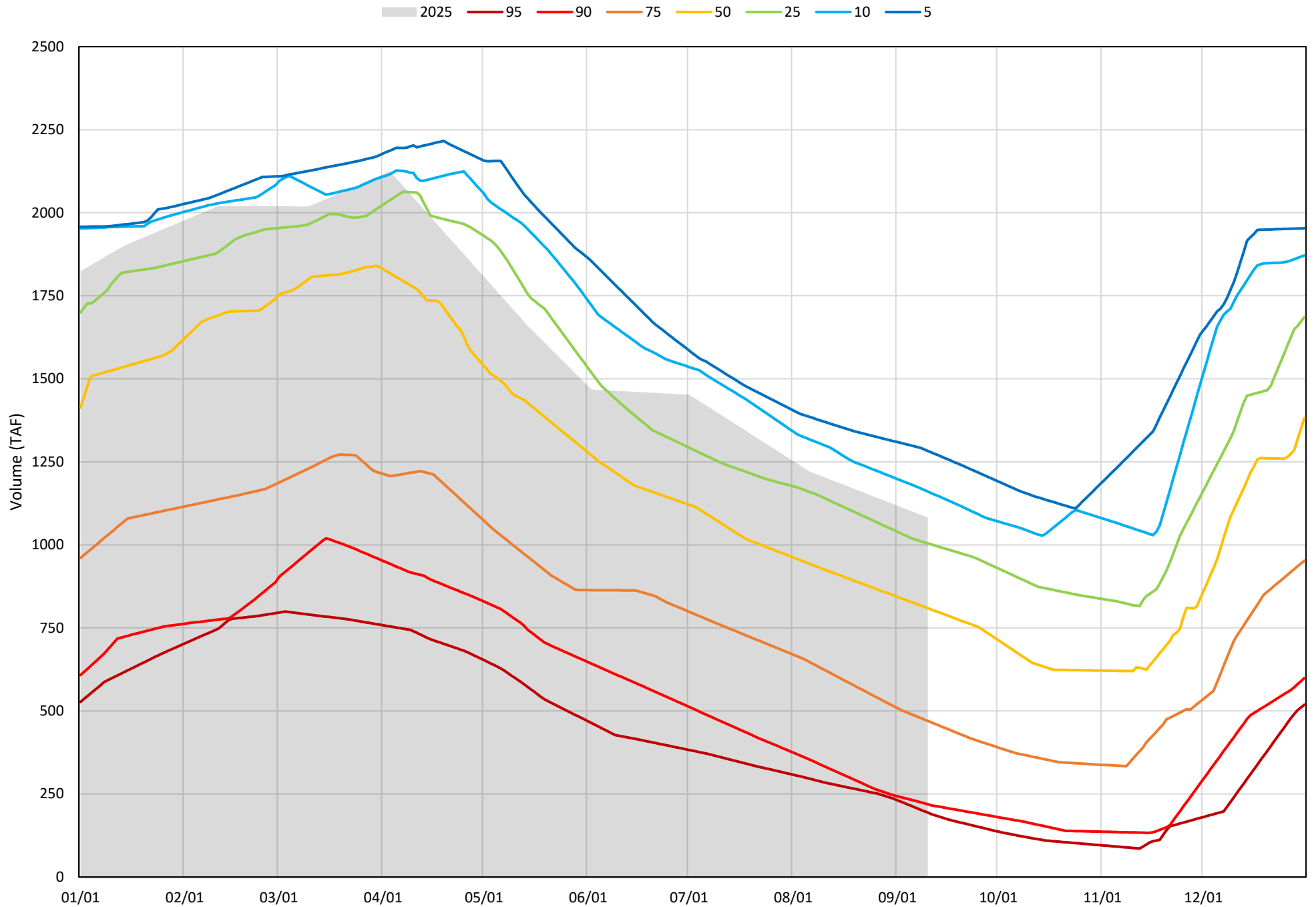
Trinity Lake Cold Water Pool Volume ≤50°F



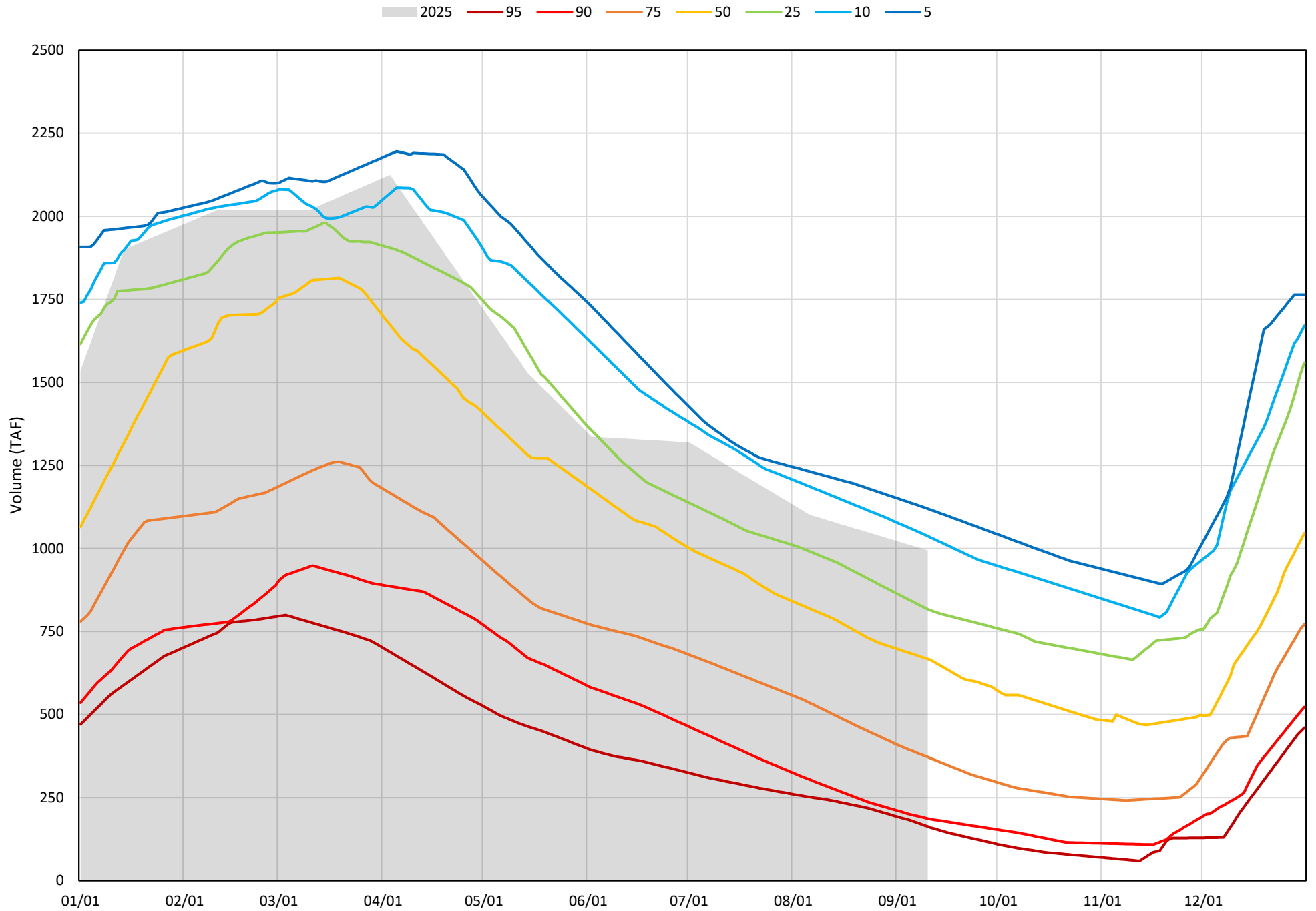
Trinity Lake Cold Water Pool Volume ≤48°F



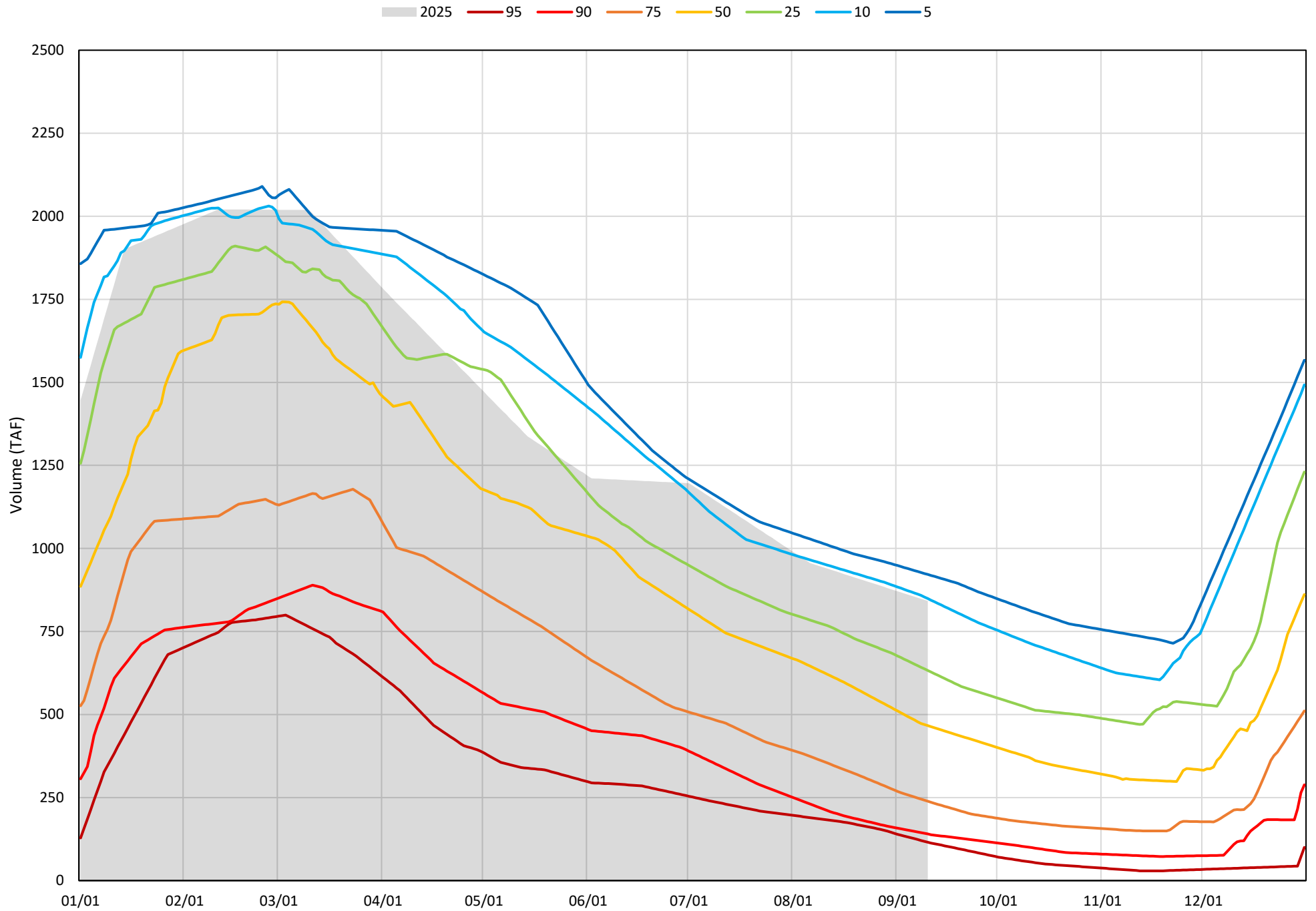
Trinity Lake Cold Water Pool Volume $\leq 52^{\circ}\text{F}$ - Percent Exceedances (2000-2024)



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)

Sep-11 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	-208	-325	-380	304	-19	-33	-45	32
2001	-333	-348	-349	343	-31	-35	-41	36
2002	-320	-324	-294	312	-30	-33	-35	32
2003	-28	-179	-292	166	-3	-18	-35	18
2004	-263	-327	-397	329	-24	-33	-47	35
2005	-81	-180	-375	212	-7	-18	-45	23
2006	26	-66	-172	88	2	-7	-20	10
2007	-266	-277	-247	263	-25	-28	-29	27
2008	-577	-608	-586	590	-53	-61	-70	61
2009	-647	-638	-620	635	-60	-64	-74	66
2010	-272	-379	-500	384	-25	-38	-59	41
2011	220	101	-1	107	20	10	0	10
2012	0	3	20	8	0	0	2	1
2013	-468	-467	-447	461	-43	-47	-53	48
2014	-884	-816	-719	806	-82	-82	-85	83
2015	-890	-838	-729	819	-82	-84	-87	84
2016	-680	-704	-621	668	-63	-71	-74	69
2017	-149	-278	-329	252	-14	-28	-39	27
2018	-176	-176	-171	175	-16	-18	-20	18
2019	157	135	105	133	15	14	13	14
2020	-395	-365	-337	366	-36	-37	-40	38
2021	-813	-758	-673	748	-75	-76	-80	77
2022	-849	-802	-689	780	-78	-81	-82	80
2023	-333	-381	-395	369	-31	-38	-47	39
2024	-74	-111	-121	102	-7	-11	-14	11
2025	0	0	0	0	0	0	0	0

Historical - Current

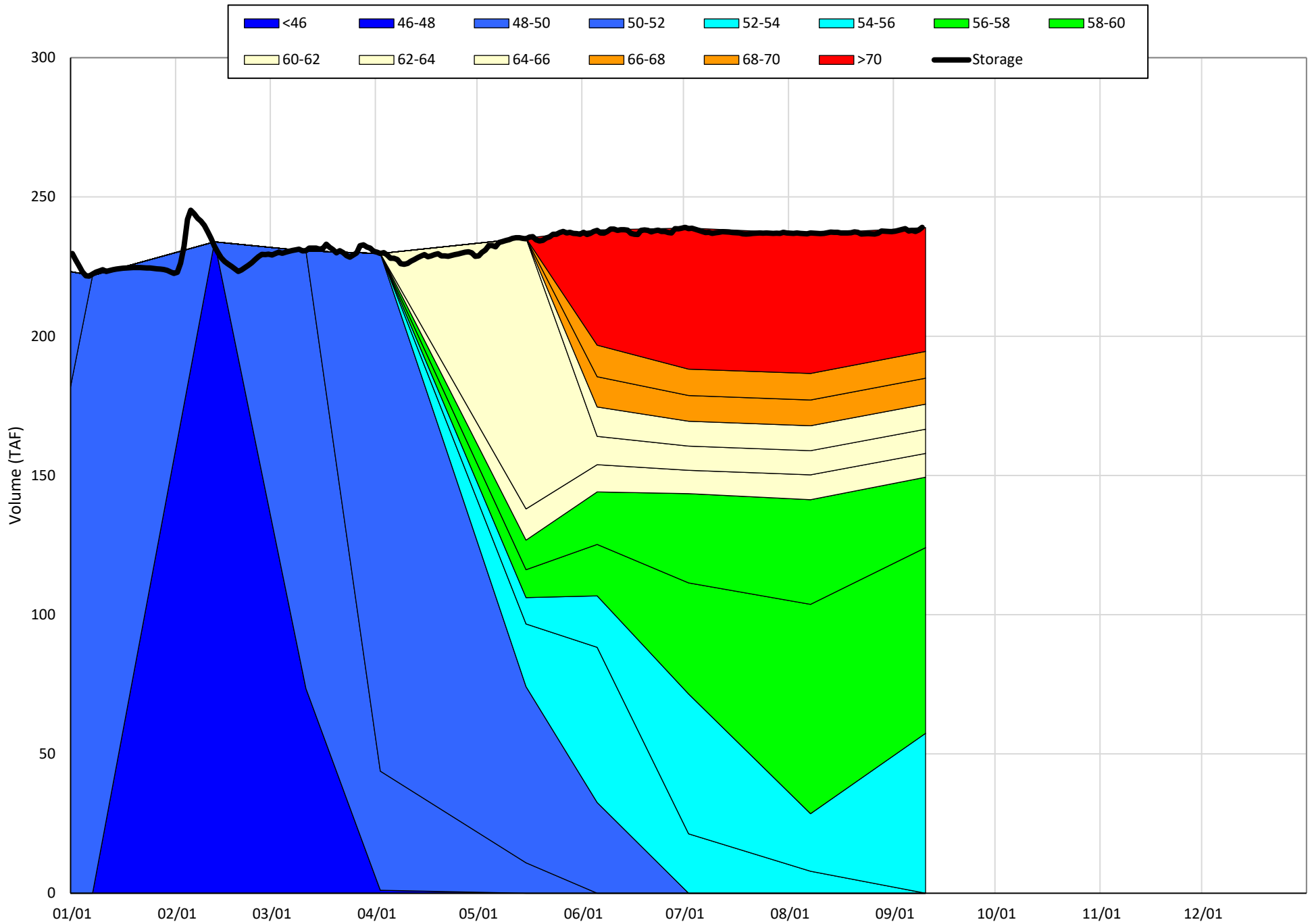
(Historical - Current) / Current

Whiskeytown Lake Isothermobaths & Cold Water Pool Statistics

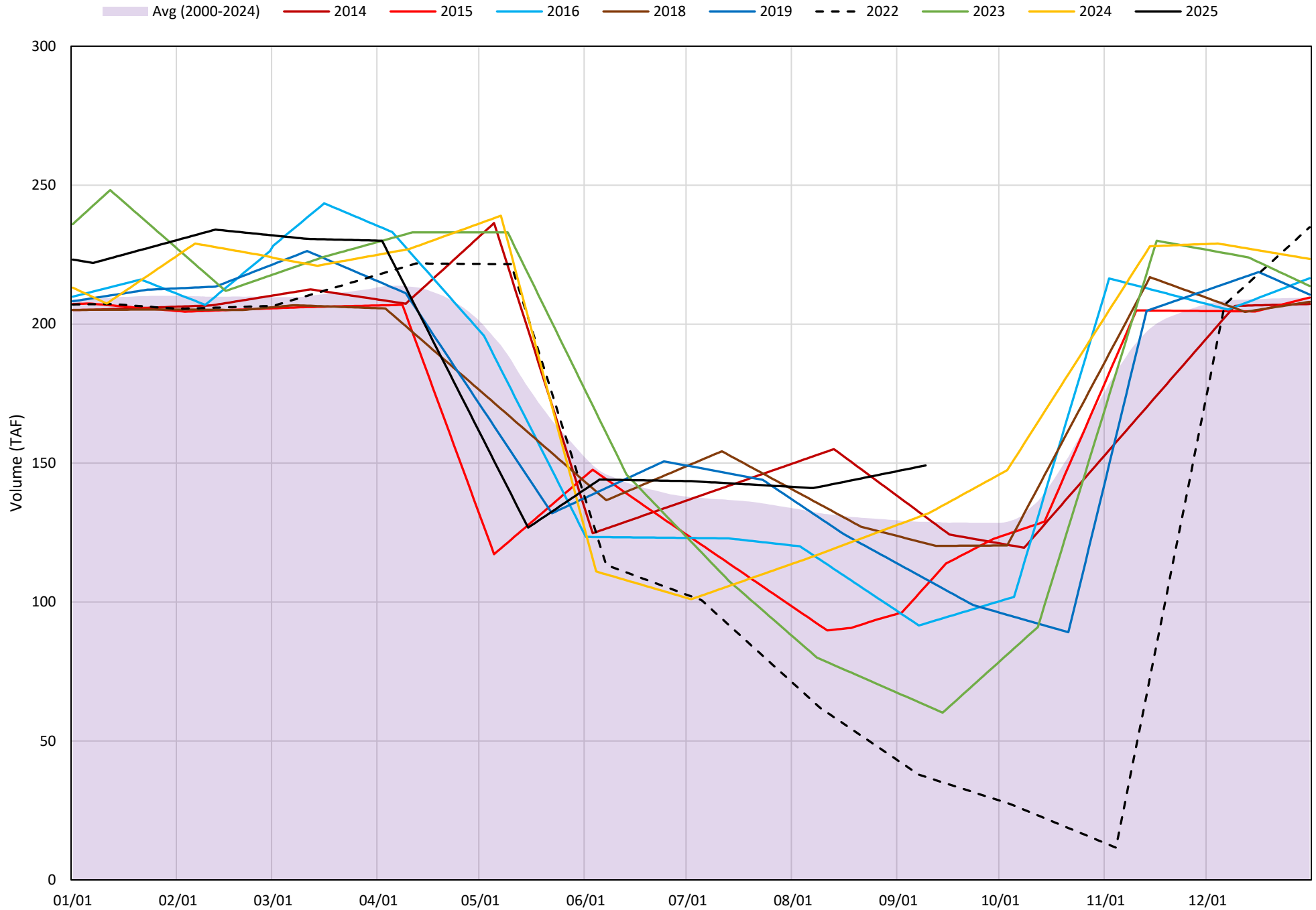
2025

Page	Description
24	- Whiskeytown Lake Isothermobaths Plot
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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

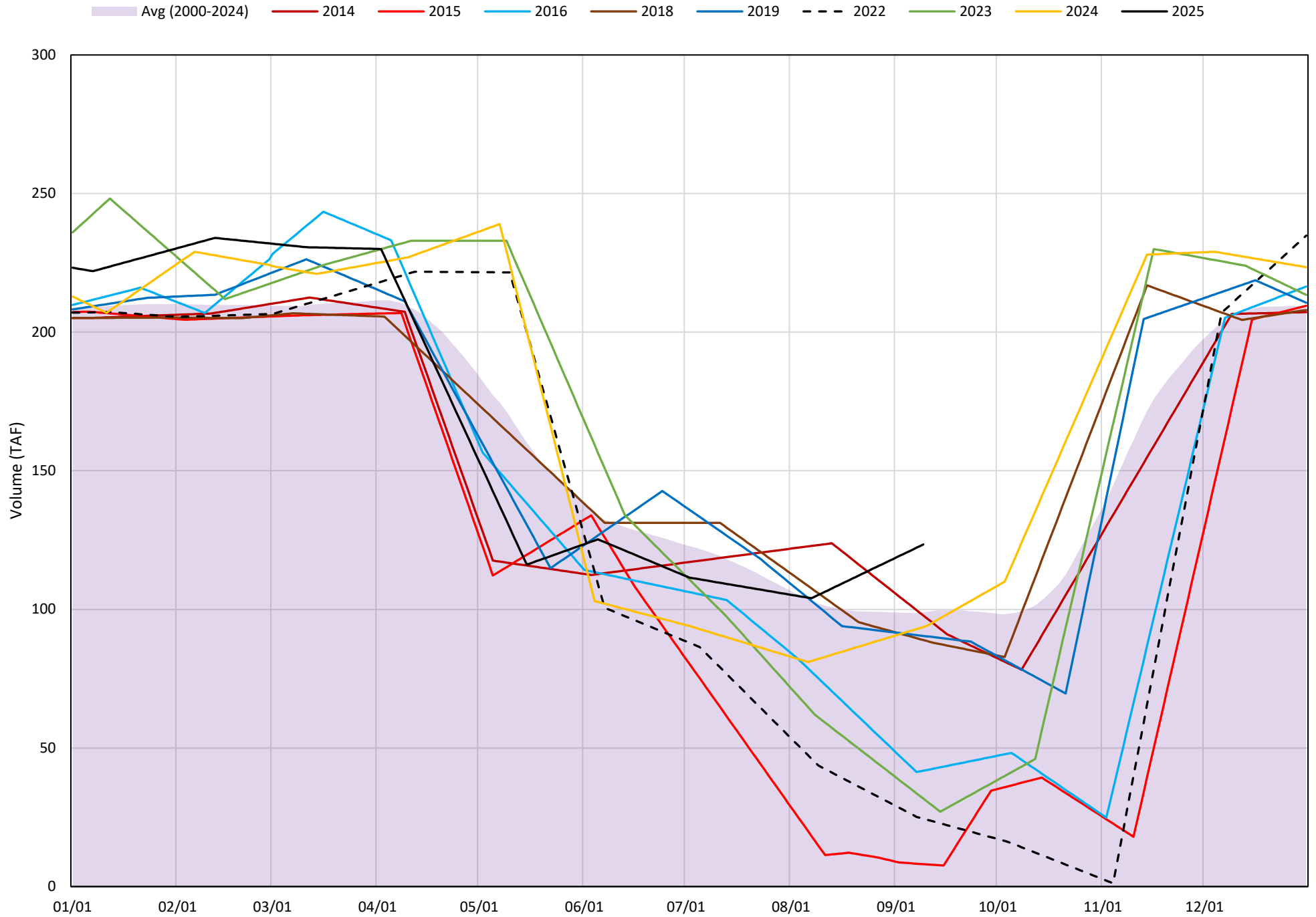
Whiskeytown Lake Isothermobaths Plot - 2025



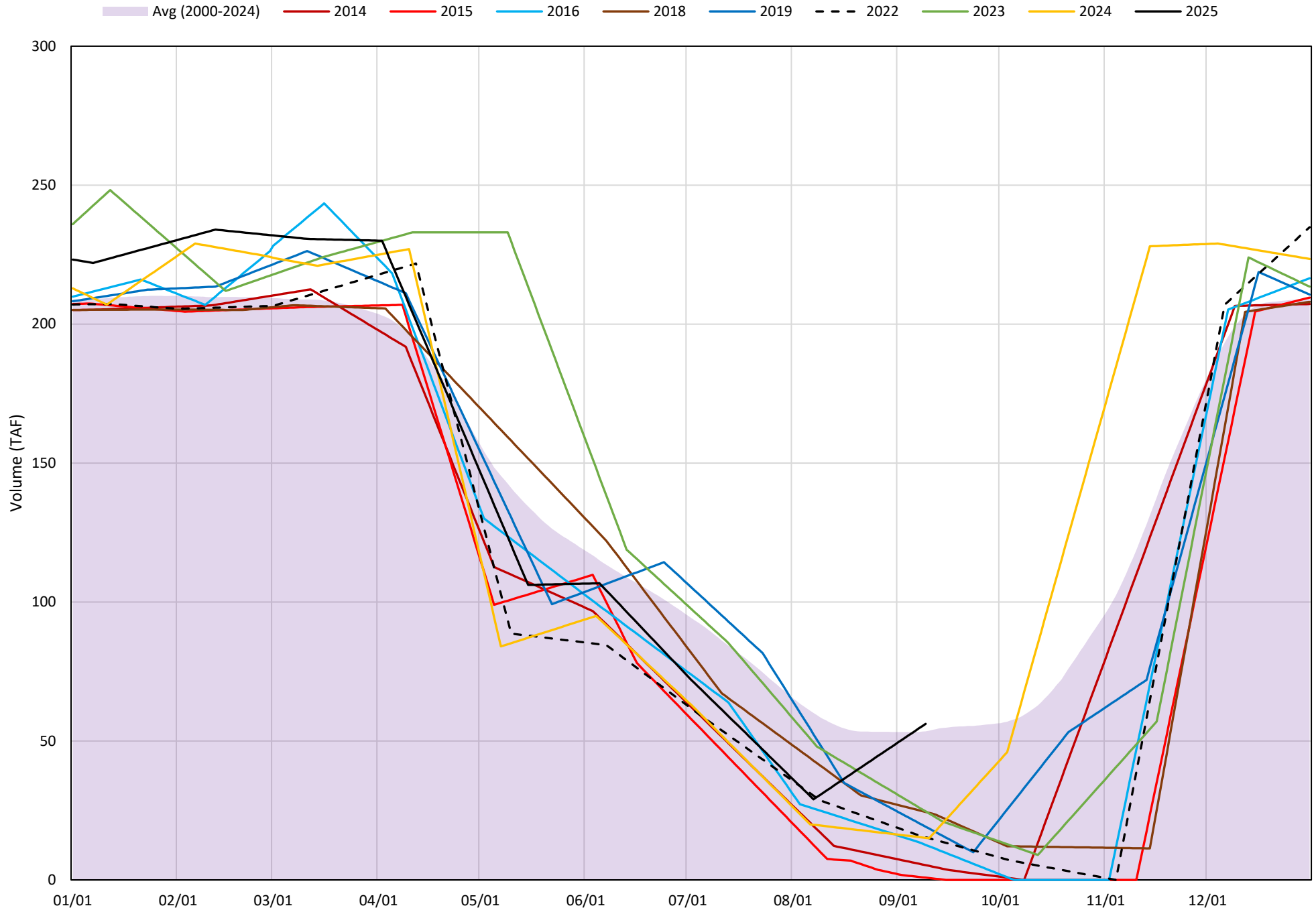
Whiskeytown Lake Cold Water Pool Volume ≤60°F



Whiskeytown Lake Cold Water Pool Volume ≤58°F

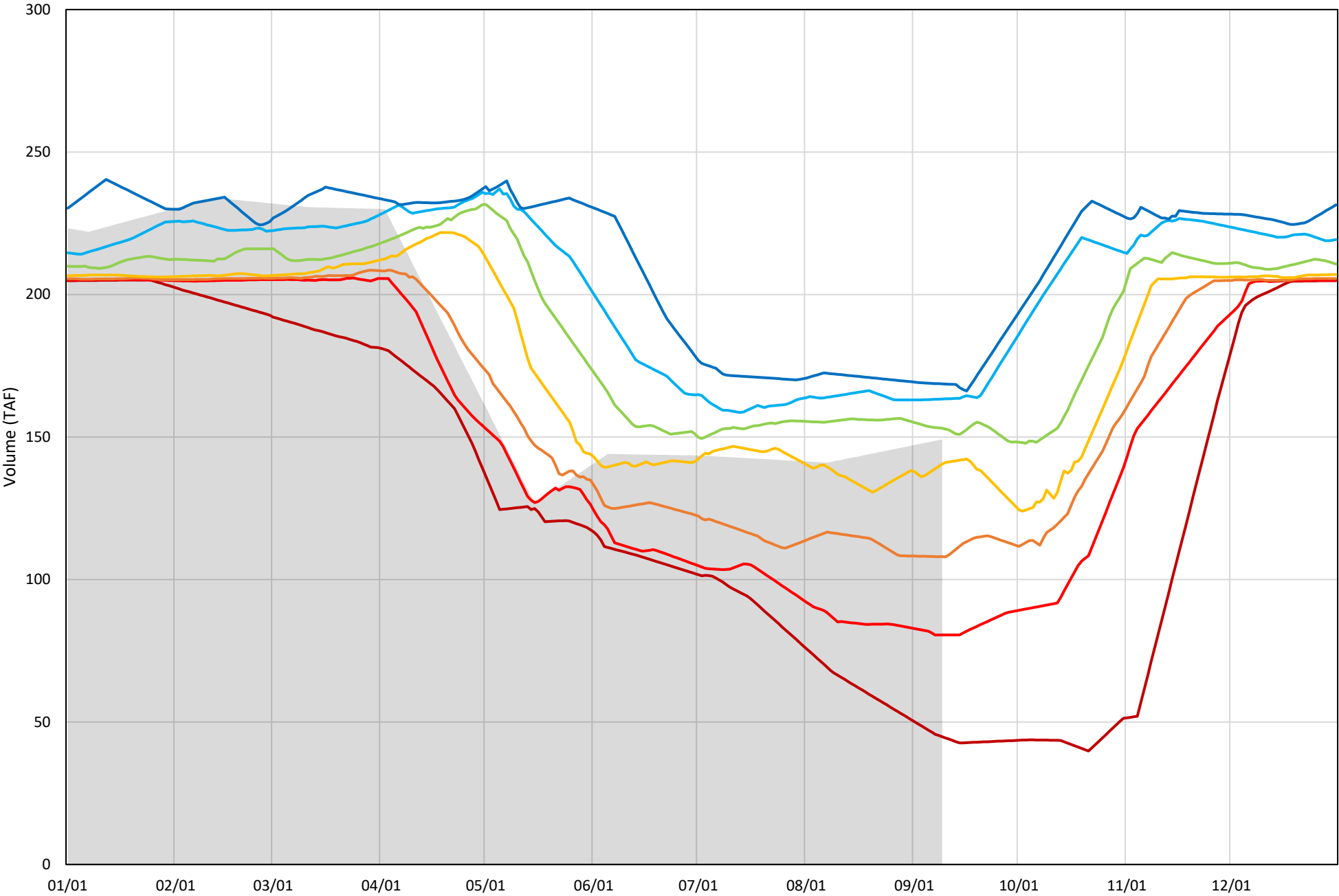


Whiskeytown Lake Cold Water Pool Volume ≤56°F



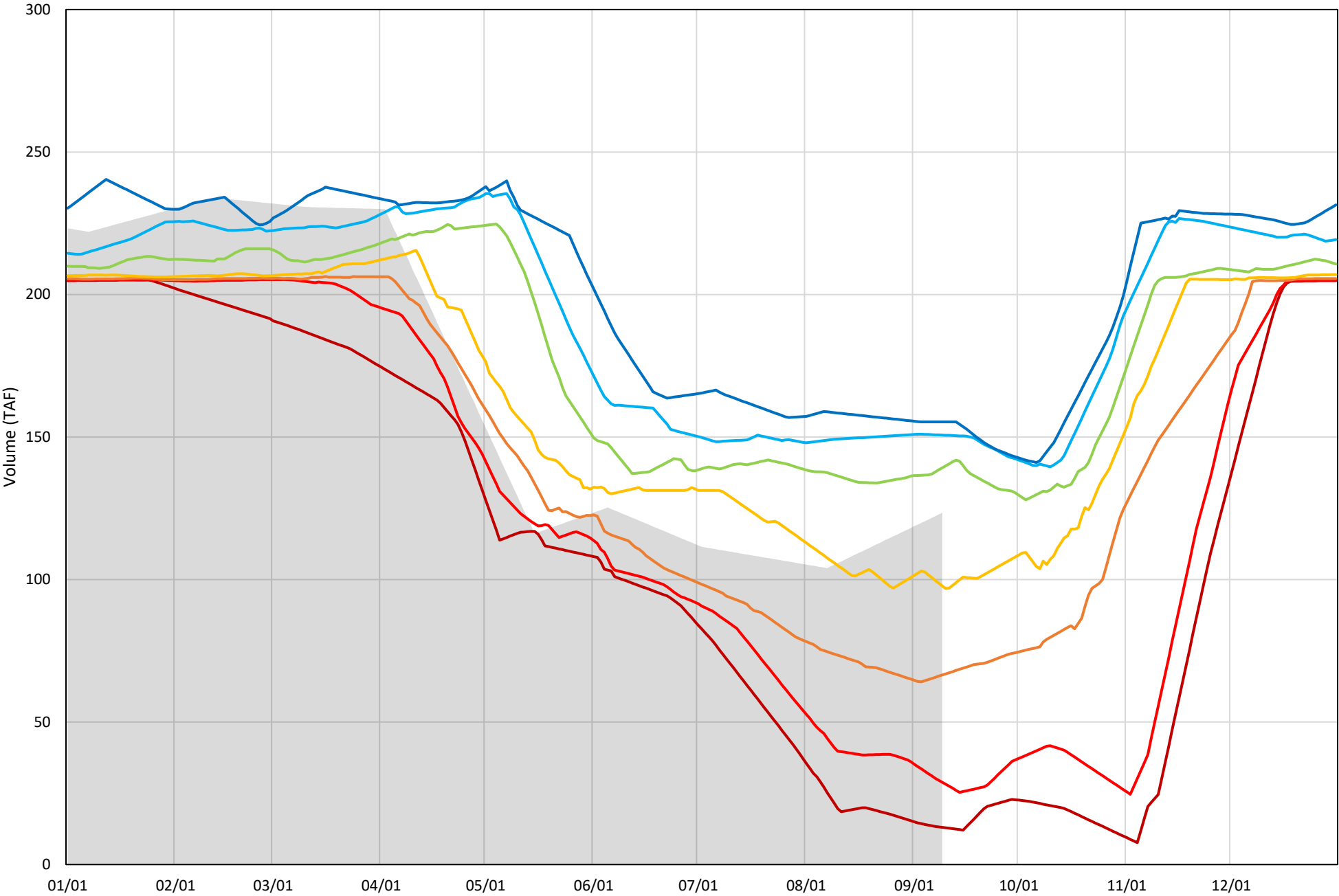
Whiskeytown Lake Cold Water Pool Volume ≤60°F - Percent Exceedances (2000-2024)

2025 95 90 75 50 25 10 5

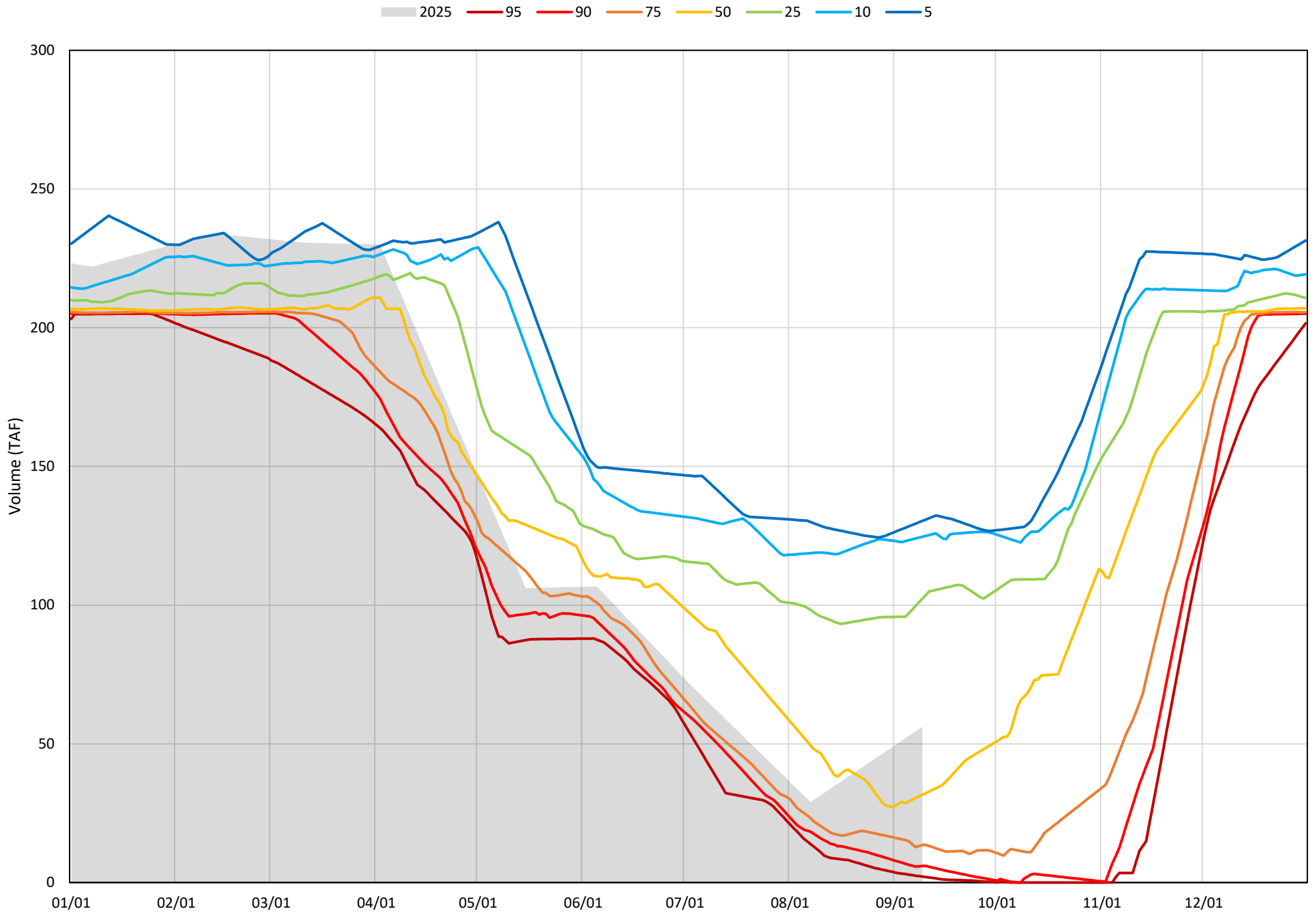


Whiskeytown Lake Cold Water Pool Volume ≤58°F - Percent Exceedances (2000-2024)

2025 95 90 75 50 25 10 5



Whiskeytown Lake Cold Water Pool Volume $\leq 56^{\circ}\text{F}$ - Percent Exceedances (2000-2024)



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

Sep-10 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	-4.6	16.4	67.0	29.3	-3.1	13.3	119.2	45.2
2001	9.8	25.1	70.7	35.2	6.6	20.4	125.9	50.9
2002	8.6	22.6	50.6	27.3	5.8	18.3	90.0	38.0
2003	-1.7	15.1	46.5	21.1	-1.1	12.3	82.8	32.1
2004	6.9	11.9	16.9	11.9	4.6	9.6	30.0	14.8
2005	-55.7	-82.2	-49.8	62.5	-37.3	-66.6	-88.6	64.2
2006	19.8	32.5	75.7	42.6	13.3	26.3	134.7	58.1
2007	1.0	2.2	23.6	8.9	0.7	1.8	42.0	14.8
2008	-0.7	10.6	45.9	19.1	-0.5	8.6	81.7	30.2
2009	-25.1	-39.9	-49.3	38.1	-16.8	-32.4	-87.7	45.6
2010	-41.4	-73.9	-48.1	54.5	-27.8	-59.9	-85.7	57.8
2011	-31.3	-37.9	-41.6	37.0	-21.0	-30.7	-74.1	41.9
2012	-8.3	-15.9	-22.2	15.4	-5.5	-12.9	-39.4	19.3
2013	18.9	30.5	62.0	37.1	12.7	24.7	110.4	49.3
2014	-18.5	-25.6	-50.9	31.7	-12.4	-20.8	-90.5	41.2
2015	-43.4	-115.3	-55.4	71.4	-29.1	-93.4	-98.6	73.7
2016	-56.9	-81.6	-43.6	60.7	-38.1	-66.1	-77.6	60.6
2017	11.1	17.5	33.7	20.8	7.4	14.2	60.0	27.2
2018	-28.0	-34.5	-31.8	31.4	-18.8	-27.9	-56.5	34.4
2019	-40.9	-33.0	-37.0	37.0	-27.4	-26.7	-65.9	40.0
2020	-8.6	-28.3	-24.5	20.5	-5.8	-22.9	-43.7	24.1
2021	-2.6	-7.7	8.1	6.1	-1.7	-6.2	14.4	7.4
2022	-112.1	-98.9	-40.8	83.9	-75.1	-80.2	-72.7	76.0
2023	-86.3	-91.7	-31.5	69.8	-57.8	-74.3	-56.1	62.8
2024	-17.6	-29.8	-41.0	29.5	-11.8	-24.1	-73.0	36.3
2025	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Historical - Current

(Historical - Current) / Current