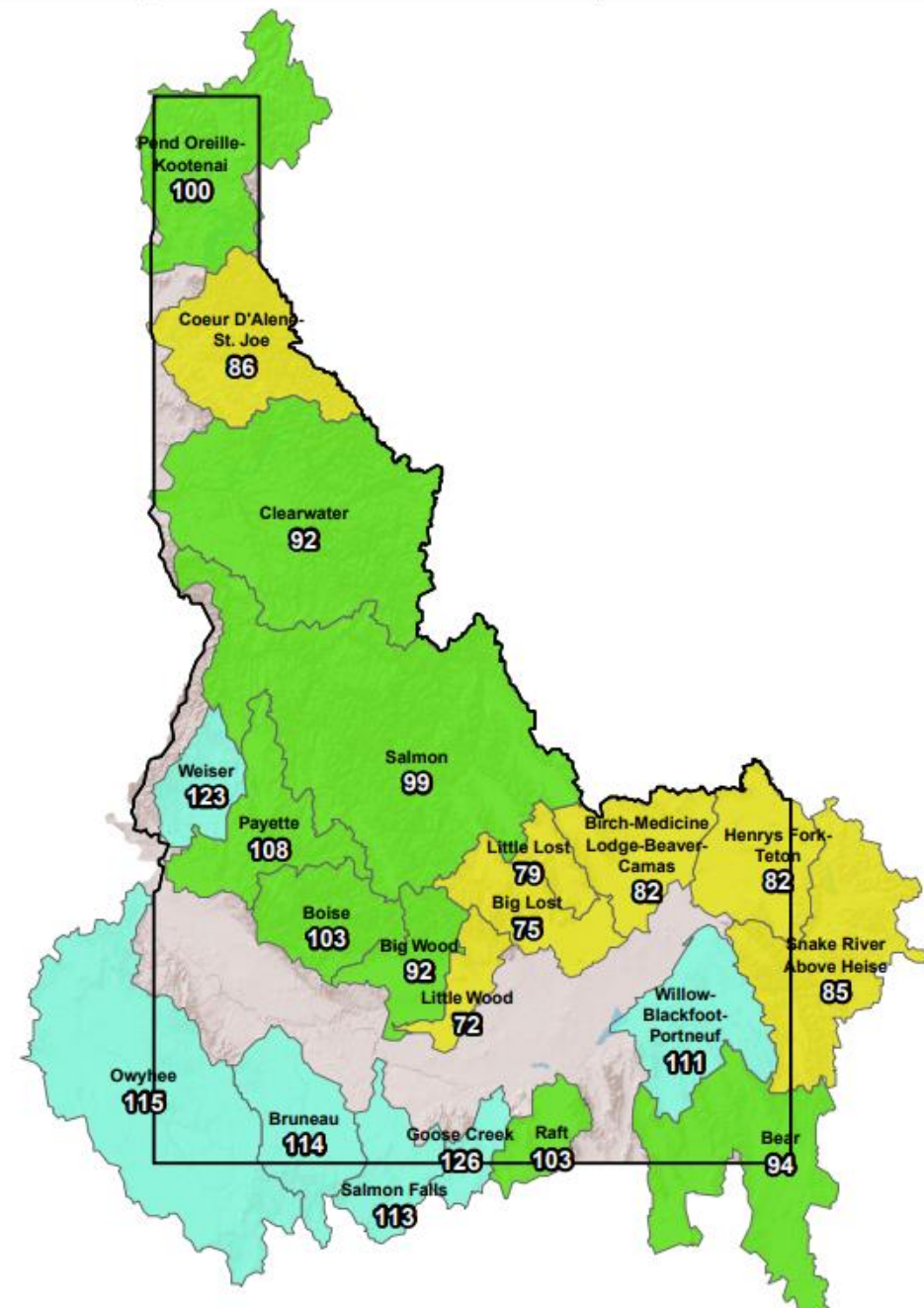
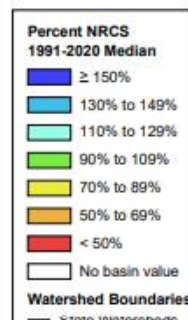


Snow Water Equivalent

Idaho SNOTEL
Percent NRCS 1991-2020 Median

January 19, 2025, end of day

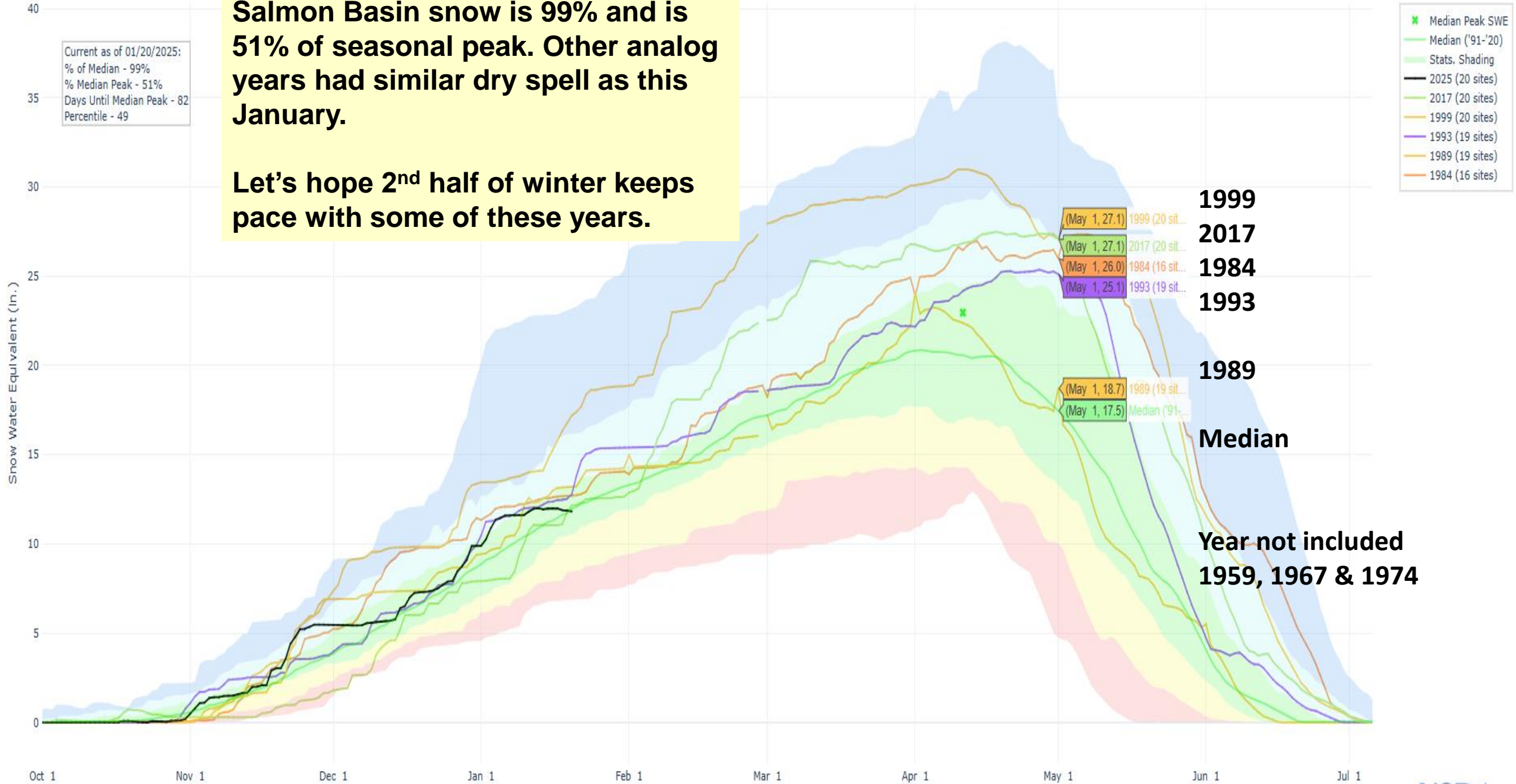


			Pete Parsons Analog Years and Years that followed a Strong El Nino Year like last year.						
Current Analog Years	Winter Of	Water Year	Streamflow as % of 1991 - 2020 Average						
1965-66 =>	1966-67	1967	Feb-Sep	Apr-Sep	Apr-Sep	Apr-Sep	Apr-Sep	Apr-Sep	Apr-Sep
1991-92 =>	1992-93	1993							
2015-16 =>	2016-17	2017							
Strong & Very Strong El Nino Years	Year Following a Strong & Very Strong El Nino Year		Owyhee River below Dam	Bruneau River	Payette River nr Horseshoe Bend	MF Salmon River at MF Lodge	Salmon River at White Bird	Selway River	Spokane River nr Post Falls
Very Strong		ENSO							
2015-16	2017	LA	155	182	164	180	148	104	110
1982-83	1984	LA	363	343	146	NA	144	126	109
1997-98	1999	LA	100	116	140	121	124	112	126
							Sorted high to low		
Strong									
1972-73	1974	LA	120	104	188	182	164	145	189
1965-66	1967	N	69	93	111	NA	119	109	110
1991-92	1993	N	165	125	128	NA	107	94	114
1957-58	1959	EL	20	50	99	NA	101	124	136
1987-88	1989	LA	145	103	91	NA	78	102	114
2023-24	2025	LA	?	?	?	?	?	?	?
Jan 20 NWS 50% Exceedance Forecast			108%	78%	89%	88%	83%	85%	84%
Jan 20 NWS 90% & 10% Forecasts			62% to 177%	44% to 108%	61% to 117%	58% to 129%	60% to 108%	63% to 103%	62% to 112
	Forecast Range								
			< 80%	Streamflow % color code			Sorted high to low		
			80-110%						
			110-150%						
			> 150%						

Current as of 01/20/2025:
 % of Median - 99%
 % Median Peak - 51%
 Days Until Median Peak - 82
 Percentile - 49

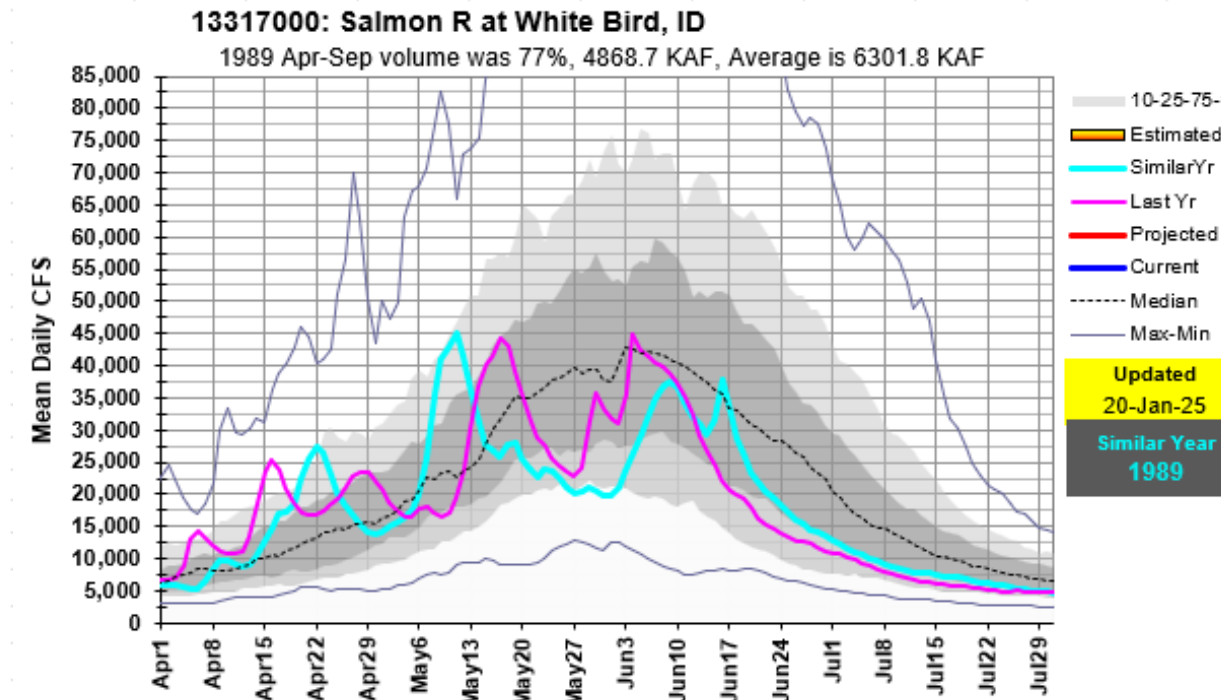
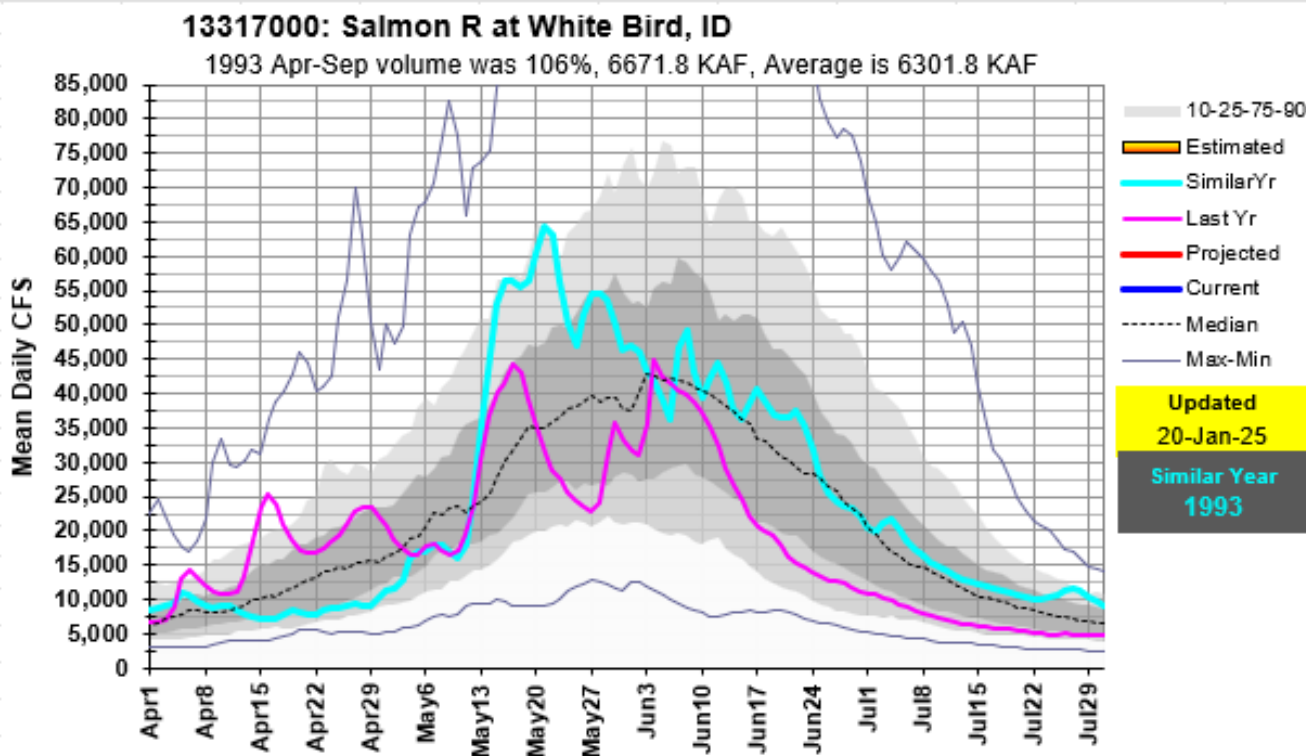
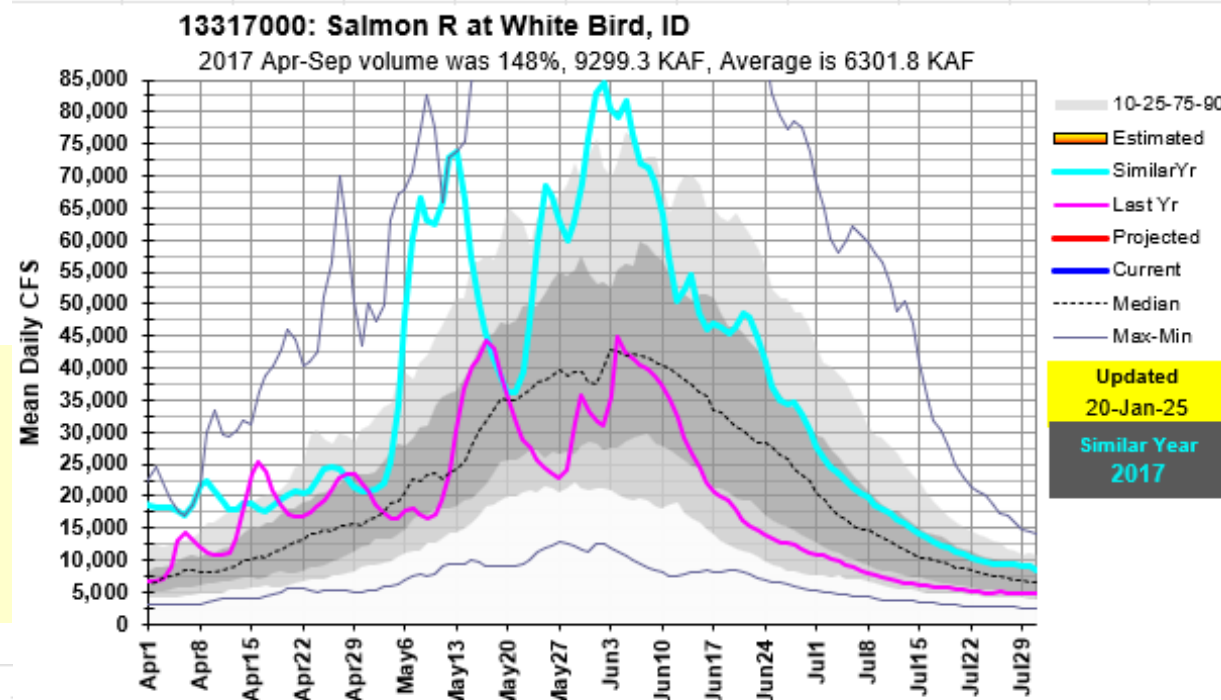
Salmon Basin snow is 99% and is 51% of seasonal peak. Other analog years had similar dry spell as this January.

Let's hope 2nd half of winter keeps pace with some of these years.



Choose Date:	01/20/2025	Archive:	Water Year		
SALMON - AT WHITEBIRD (WHBI1) Forecasts for Water Year 2025					
Natural Forecast					
ESP with 10 Days QPF Ensemble: 2025-01-20 Issued: 2025-01-20					
Forecast Period	Forecasts Are in KAF				30 Year Average (1991-2020)
	90 %	50 %	% Average	10 %	
APR-SEP	3765	5202	83	6768	6264

Based on analog snow years, and NWS streamflow forecasts, here's a wide range of flow:
2017 a high year, 148% of avg runoff
1989 a low year, 77% of avg runoff – similar to current forecast
1993 a normal year, 106% of avg runoff

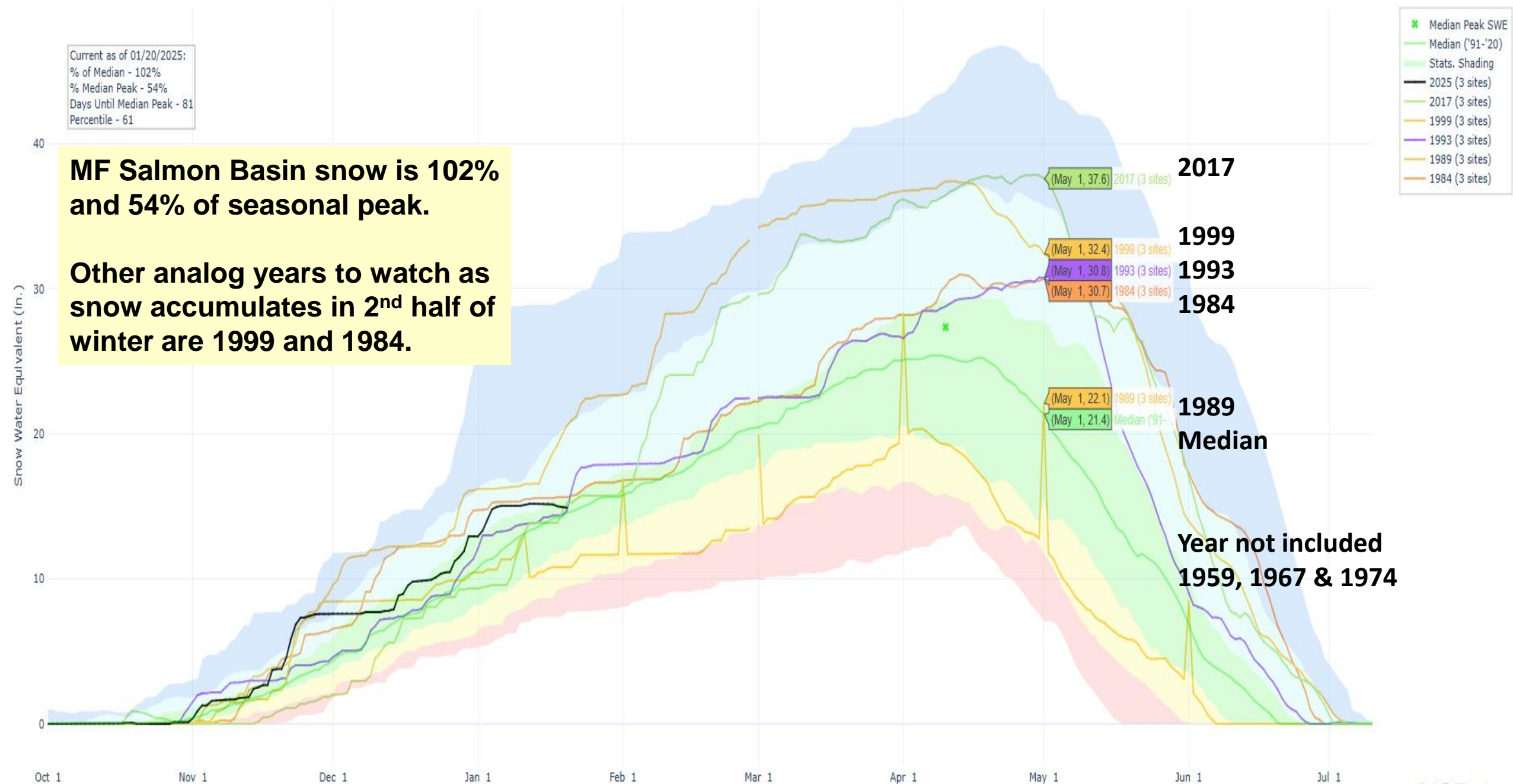


SNOW WATER EQUIVALENT IN MIDDLE FORK SALMON

Current as of 01/20/2025:
 % of Median - 102%
 % Median Peak - 54%
 Days Until Median Peak - 81
 Percentile - 61

**MF Salmon Basin snow is 102%
and 54% of seasonal peak.**

**Other analog years to watch as
snow accumulates in 2nd half of
winter are 1999 and 1984.**



MF SALMON - MIDDLE FORK LODGE (MIDI1)
Forecasts for Water Year 2025

Natural Forecast

ESP with 10 Days QPF Ensemble: 2025-01-20 Issued: 2025-01-20

Forecast Period	Forecasts Are in KAF				30 Year Average (1991-2020)
	90 %	50 %	% Average	10 %	
APR-SEP	530	793	88	1144	905

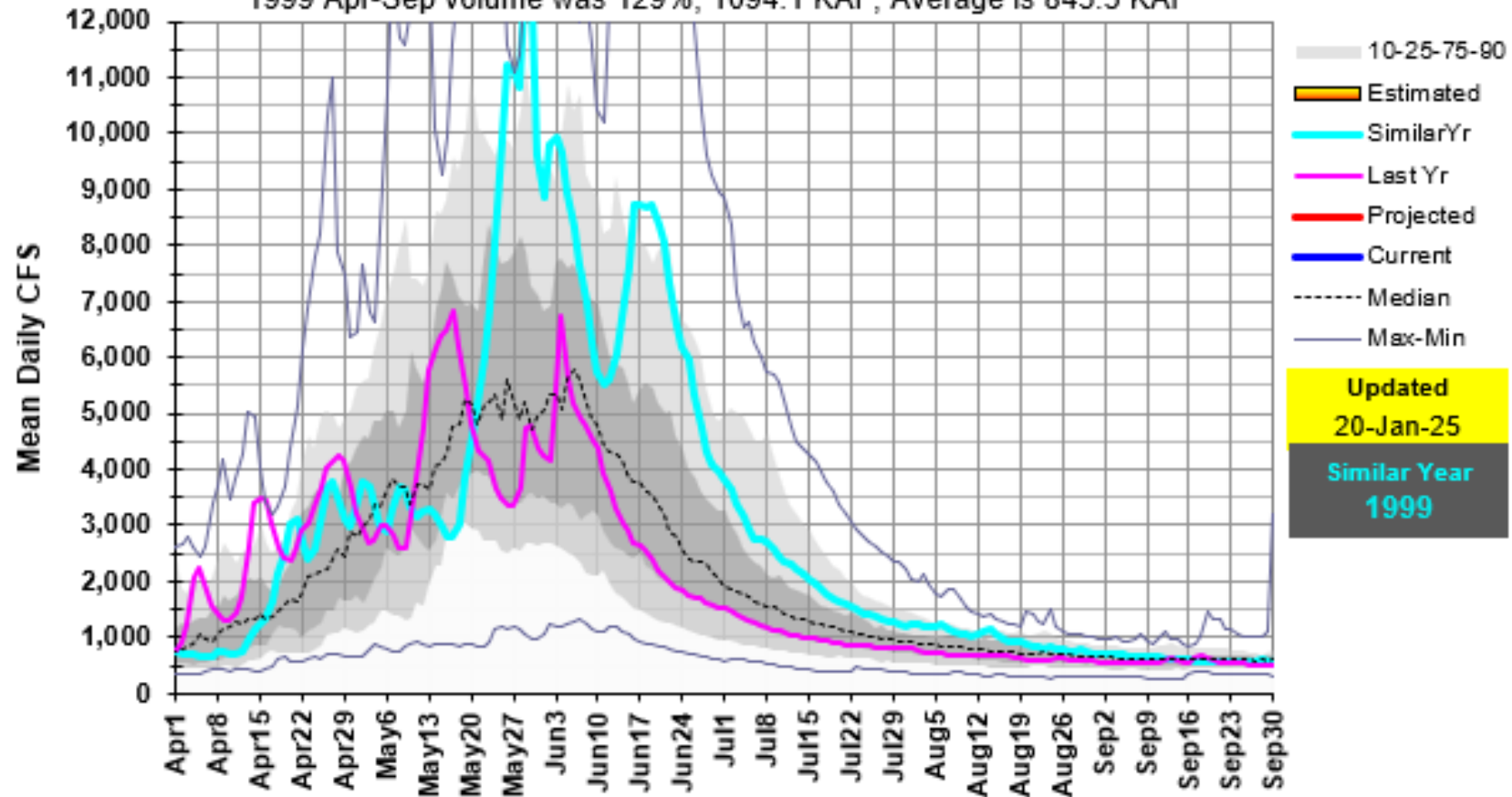
With limited daily cfs flow data to look at, here's the 1999 runoff that had one high single peak pushing 12,000 cfs.

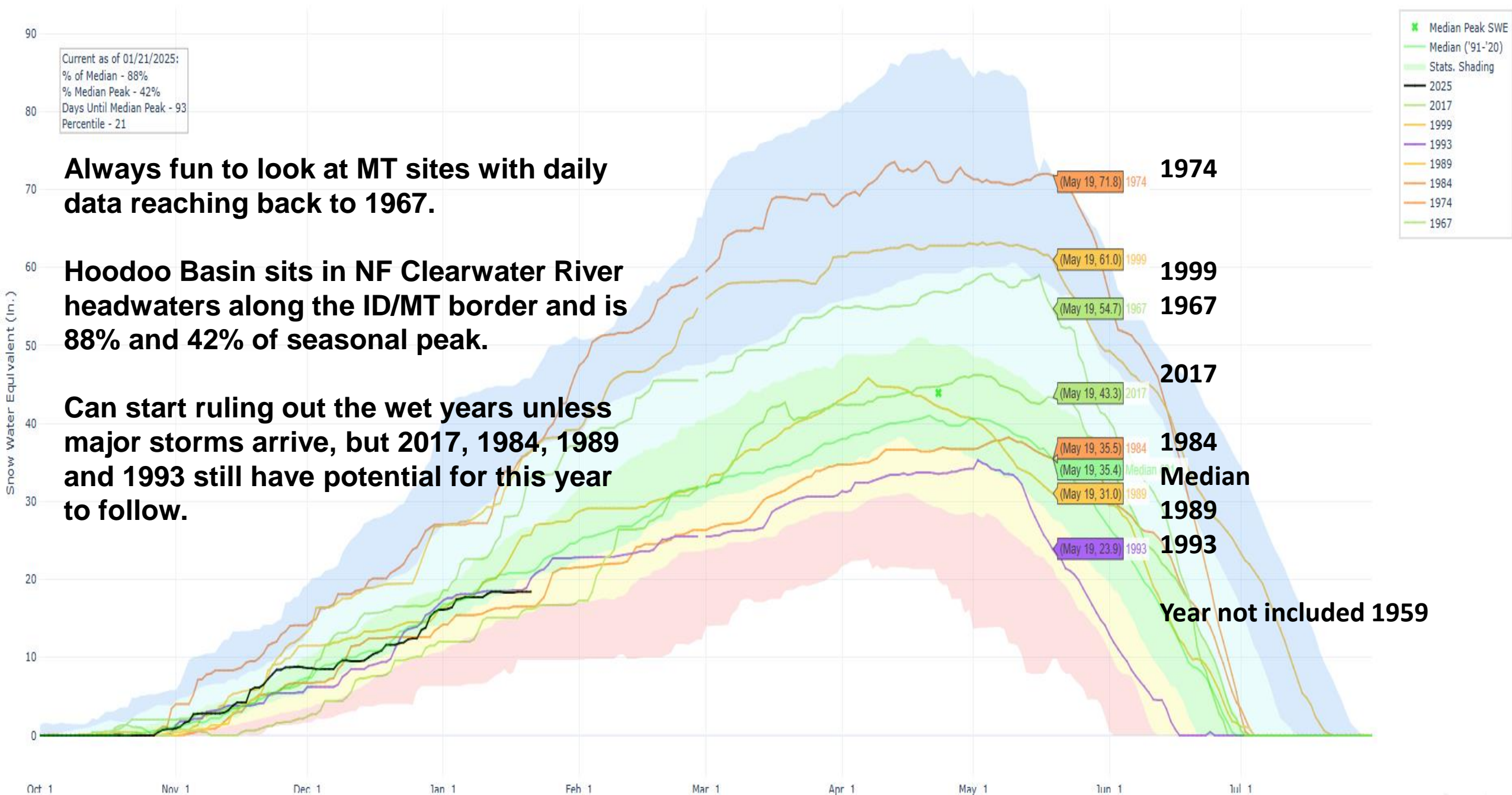
1999 runoff volume was 1094 KAF which is just under the NWS 10% Chance of Exceedance Forecast of 1144 KAF.

Current forecast is for 88% of average.

13309220: MF Salmon R at MF Lodge near Yellow Pine, ID

1999 Apr-Sep volume was 129%, 1094.1 KAF, Average is 845.5 KAF





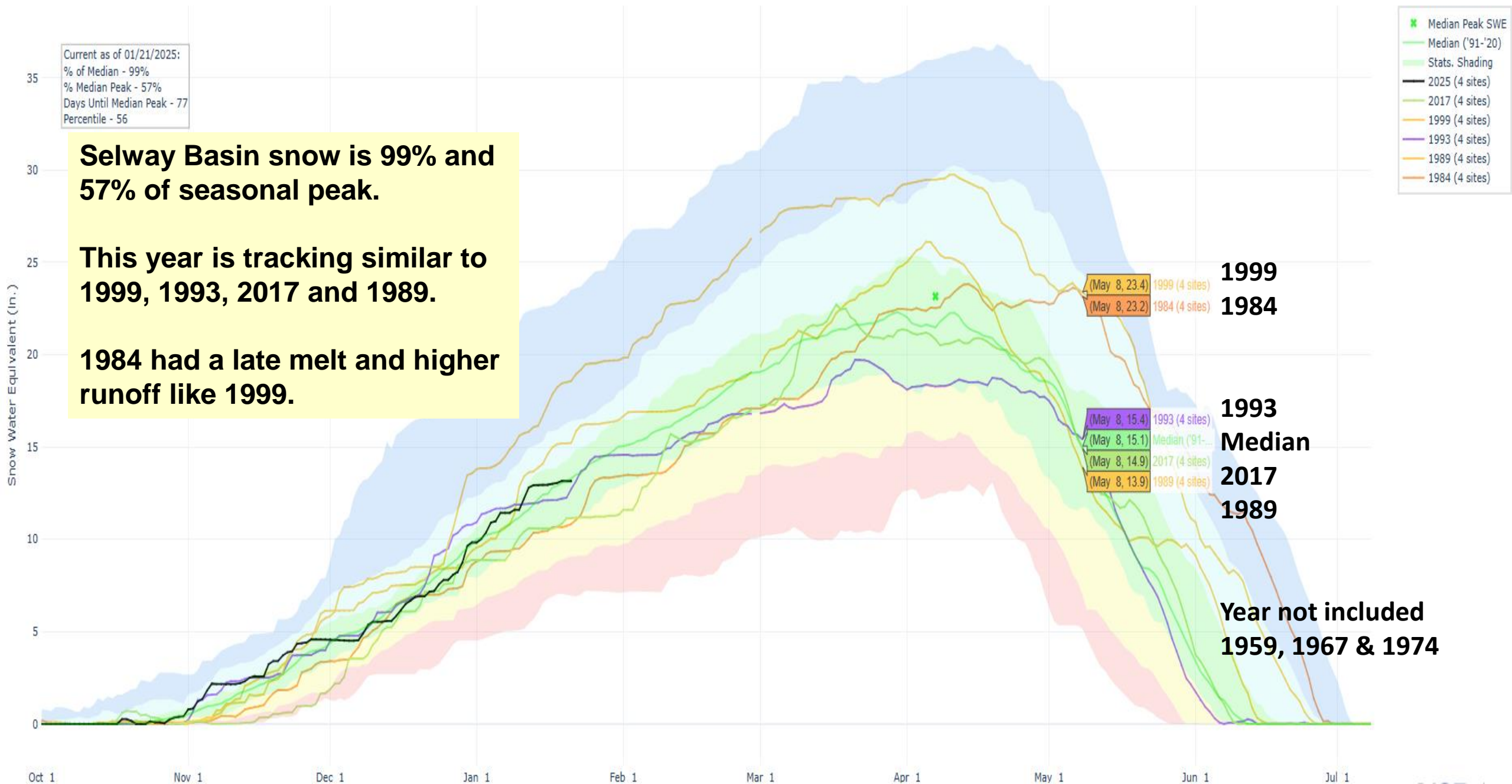
SNOW WATER EQUIVALENT IN SELWAY

Current as of 01/21/2025:
% of Median - 99%
% Median Peak - 57%
Days Until Median Peak - 77
Percentile - 56

Selway Basin snow is 99% and 57% of seasonal peak.

This year is tracking similar to 1999, 1993, 2017 and 1989.

1984 had a late melt and higher runoff like 1999.



SELWAY - NEAR LOWELL (SEL1) Forecasts for Water Year 2025

Natural Forecast

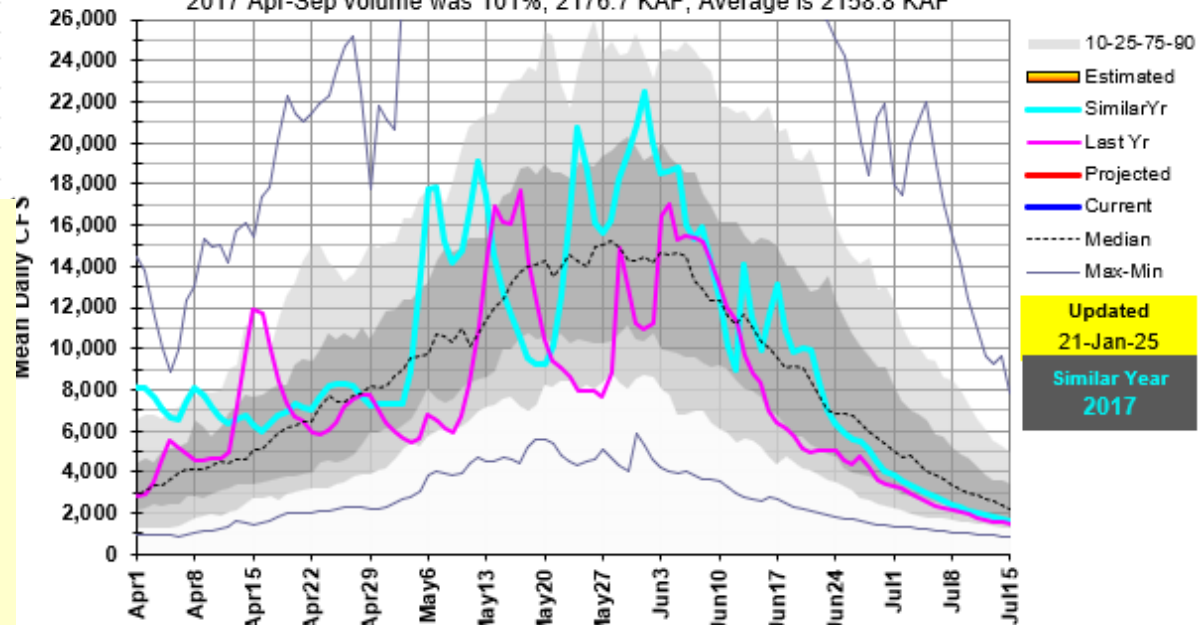
ESP with 10 Days QPF Ensemble: 2025-01-21 Issued: 2025-01-21

Forecast Period	Forecasts Are in KAF				30 Year Average (1991-2020)
	90 %	50 %	% Average	10 %	
APR-SEP	1297	1742	83	2110	2099

Current forecast is for 83%. The runoff volumes in these years were near normal ranging from 91-101%

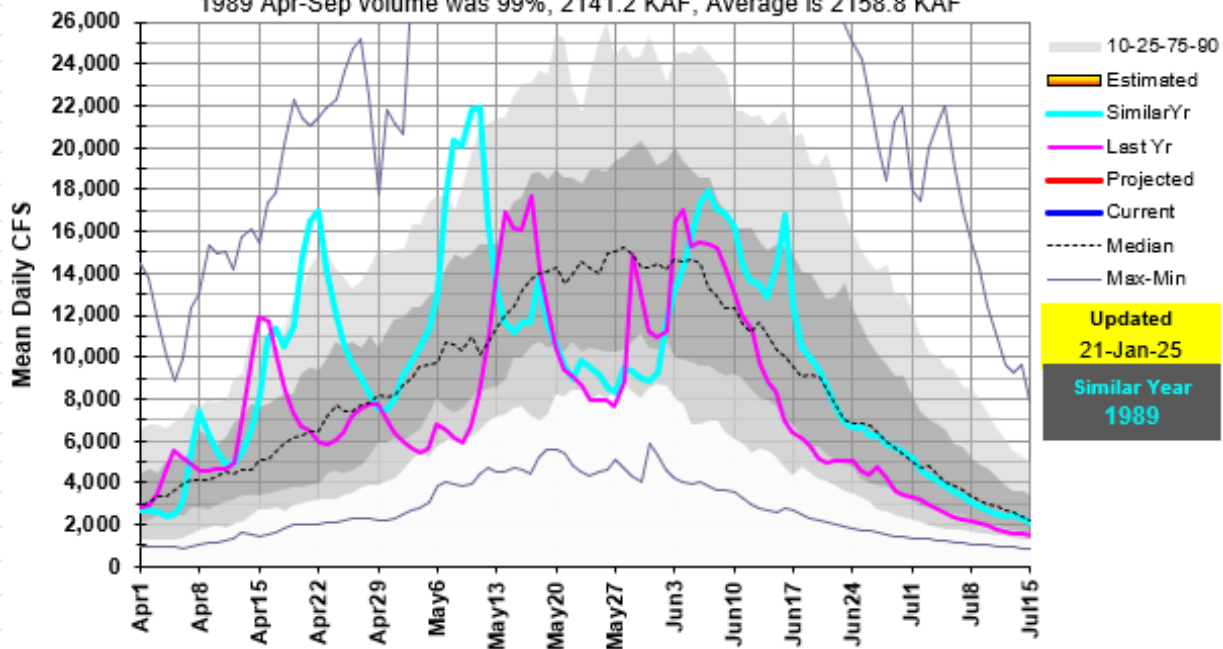
13336500: Selway R near Lowell, ID

2017 Apr-Sep volume was 101%, 2176.7 KAF, Average is 2158.8 KAF



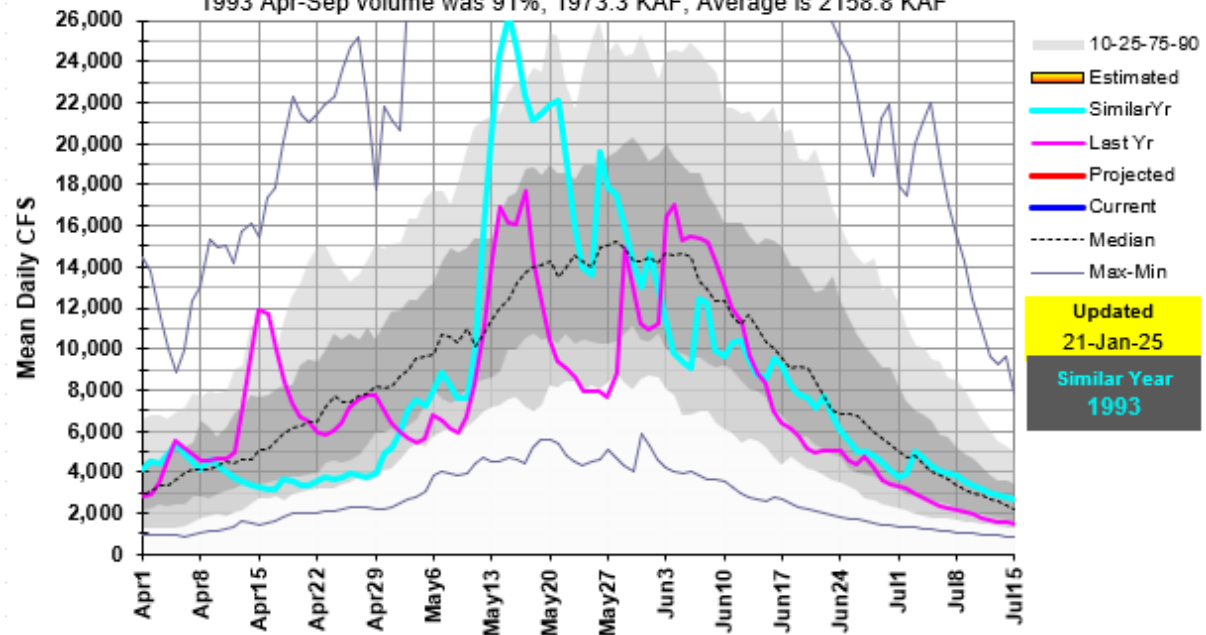
13336500: Selway R near Lowell, ID

1989 Apr-Sep volume was 99%, 2141.2 KAF, Average is 2158.8 KAF



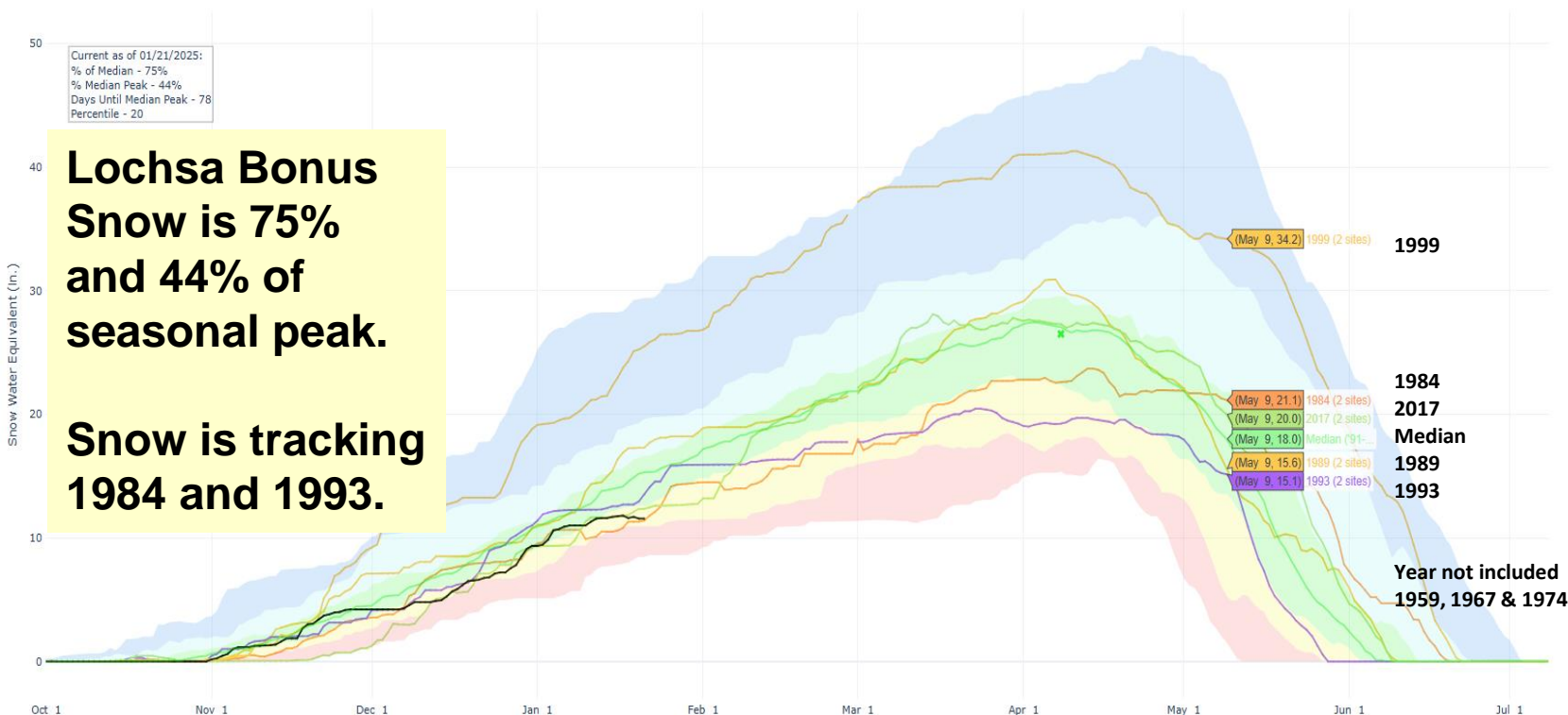
13336500: Selway R near Lowell, ID

1993 Apr-Sep volume was 91%, 1733.3 KAF, Average is 2158.8 KAF



**Lochsa Bonus
Snow is 75%
and 44% of
seasonal peak.**

Snow is tracking 1984 and 1993.



Choose Date: 01/21/2025

Archive: Water Year ▼

LOCHSA - NEAR LOWELL (LOC11)

Natural Forecast

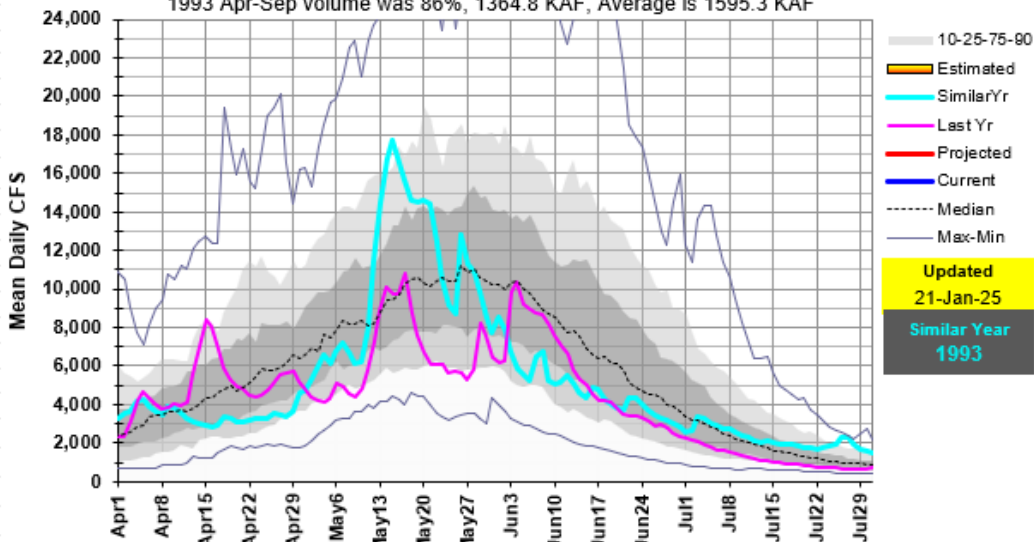
ESP with 10 Days QPF Ensemble: 2025-01-21 Issued: 2025-01-21

Forecast Period	Forecasts Are in KAF				30 Year Average (1991-2020)
	90 %	50 %	% Average	10 %	
APR-SEP	943	1197	78	1479	1525

Year not included
1959, 1967 & 1974

13337000: Lochsa R near Lowell, ID

1993 Apr-Sep volume was 86%, 1364.8 KAF, Average is 1595.3 KAF

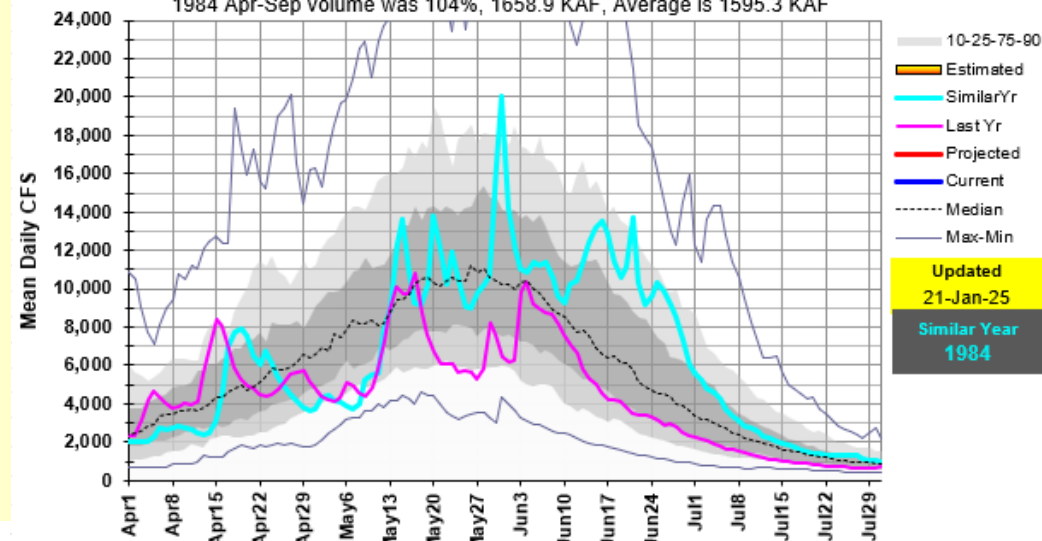


Lochsa peaked early in 1993 with volume of 86%, 1984 peaked later with volume of 104%.

**Forecast is for
78%**

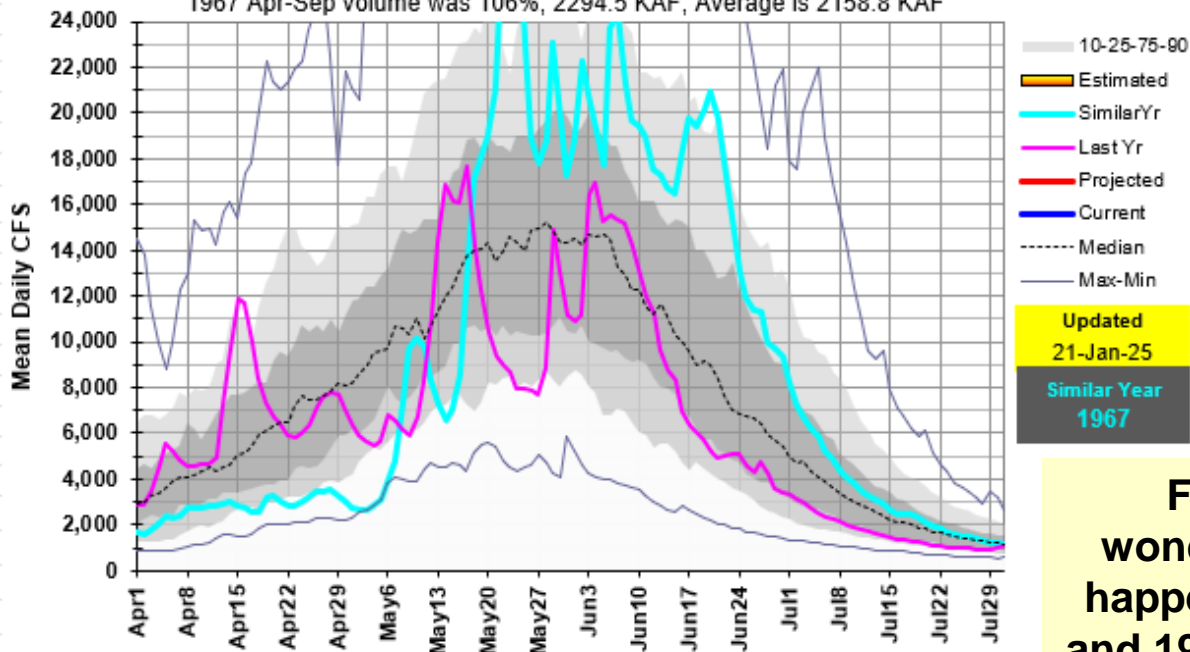
13337000: Lochsa R near Lowell, ID

1984 Apr-Sep volume was 104%, 1658.9 KAF, Average is 1595.3 KAF



13336500: Selway R near Lowell, ID

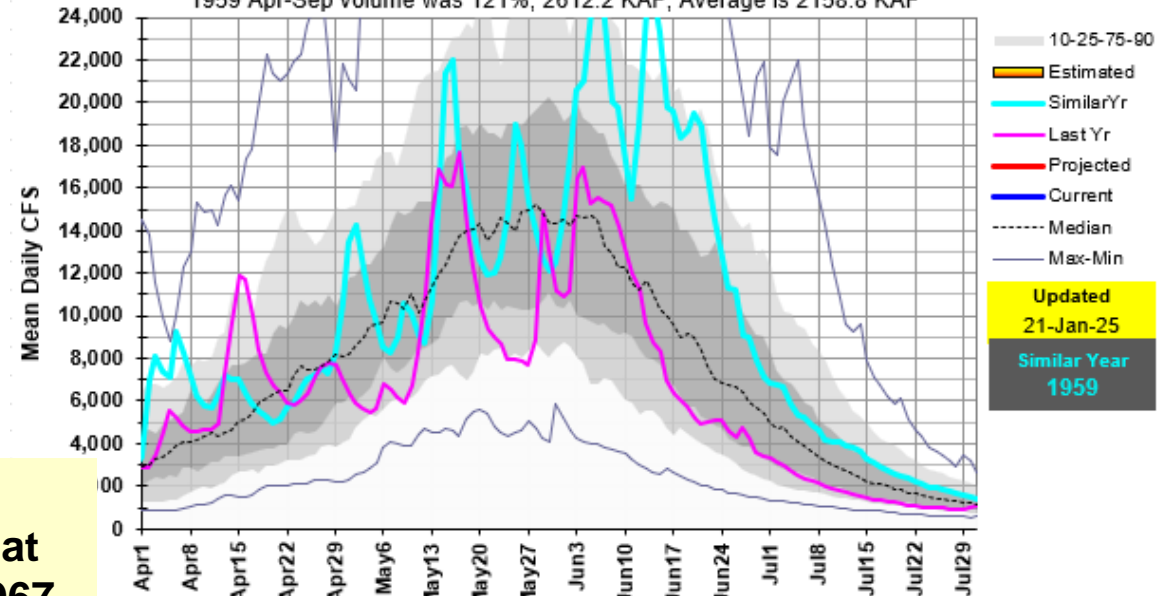
1967 Apr-Sep volume was 106%, 2294.5 KAF, Average is 2158.8 KAF



For those
wondering what
happened in 1967
and 1959, here they
are. Both years had
multiple peaks.

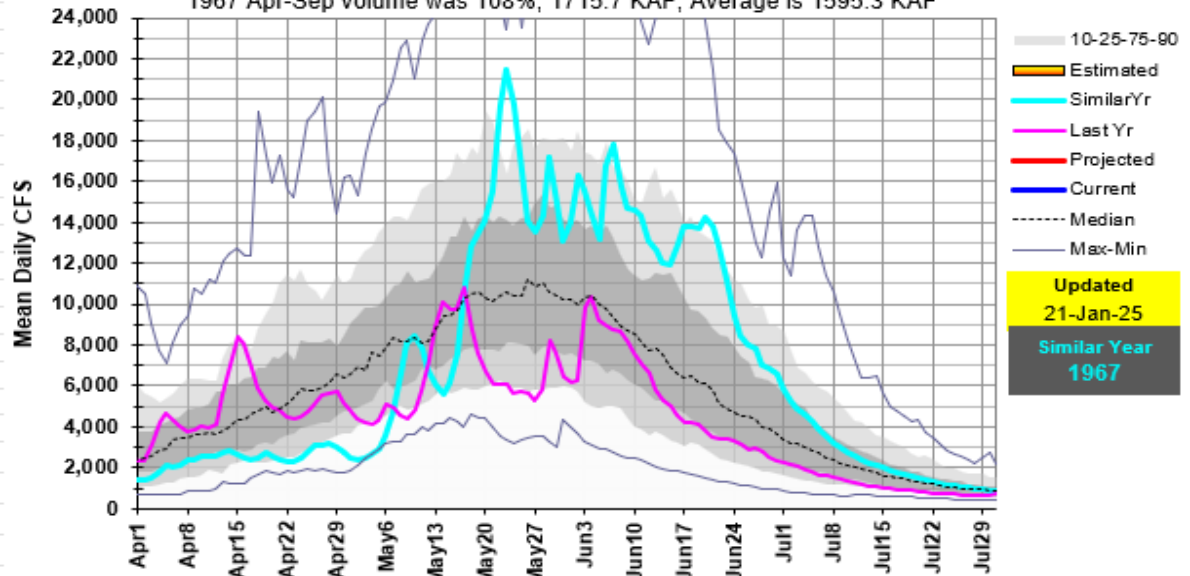
13336500: Selway R near Lowell, ID

1959 Apr-Sep volume was 121%, 2612.2 KAF, Average is 2158.8 KAF



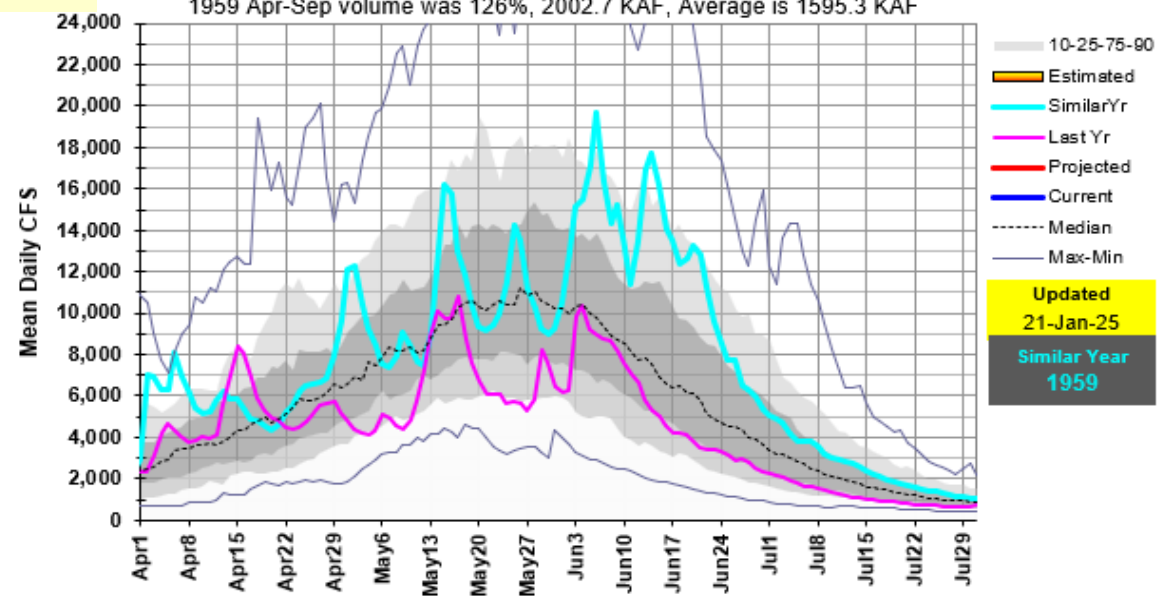
13337000: Lochsa R near Lowell, ID

1967 Apr-Sep volume was 108%, 1715.7 KAF, Average is 1595.3 KAF



13337000: Lochsa R near Lowell, ID

1959 Apr-Sep volume was 126%, 2002.7 KAF, Average is 1595.3 KAF



**With half the winter still to go, you
can see the snow is in good shape,
but more snow is need after this
January dry spell.**

**Boundary Creek turn off
January 11, 2025**

