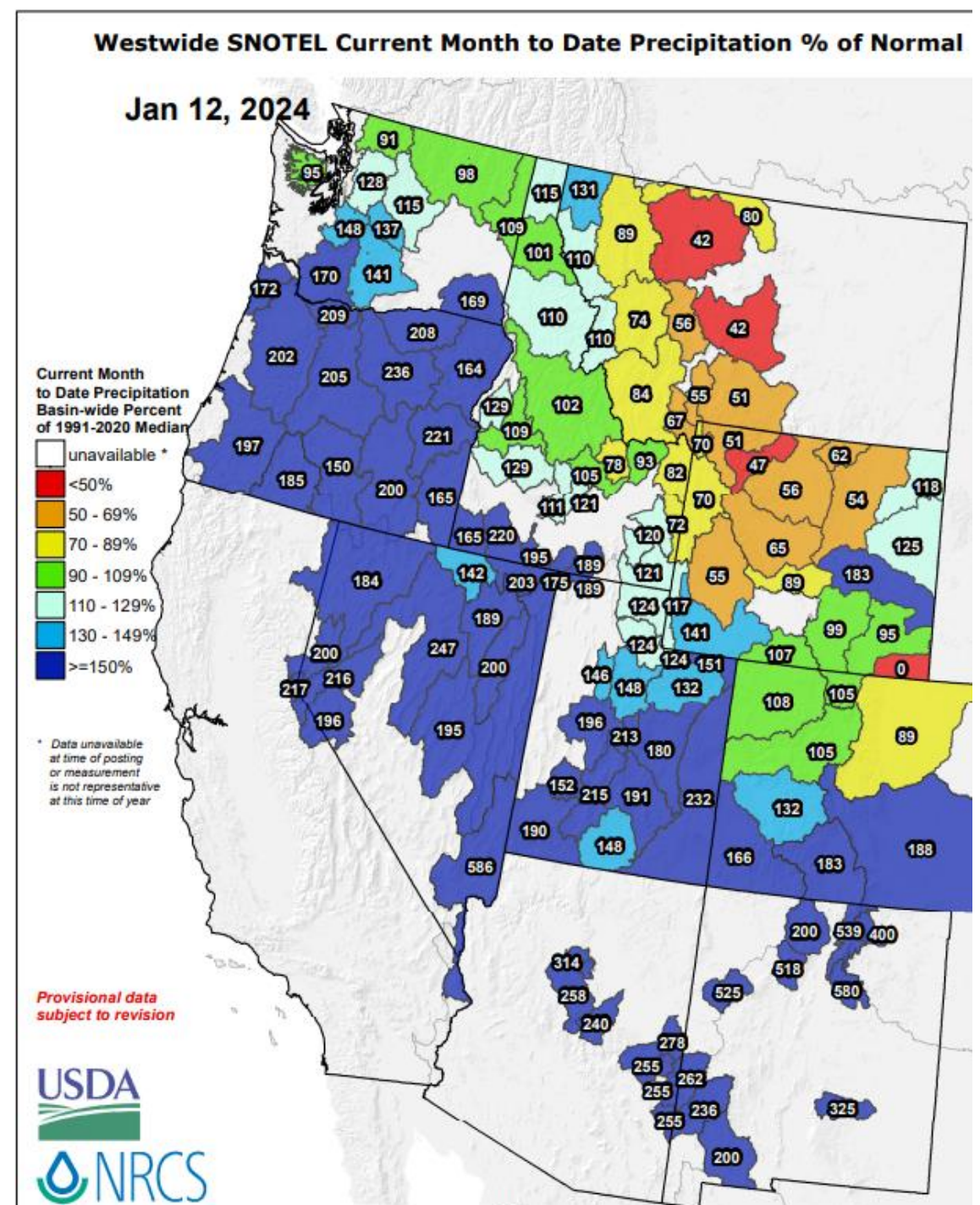


**MF Salmon & Main Salmon
Snowpack & Flow Update
Jan 16 2024**

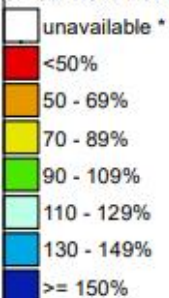
**Sorry some maps were not
current on web....**



Westwide SNOTEL Current Snow Water Equivalent (SWE) % of Normal

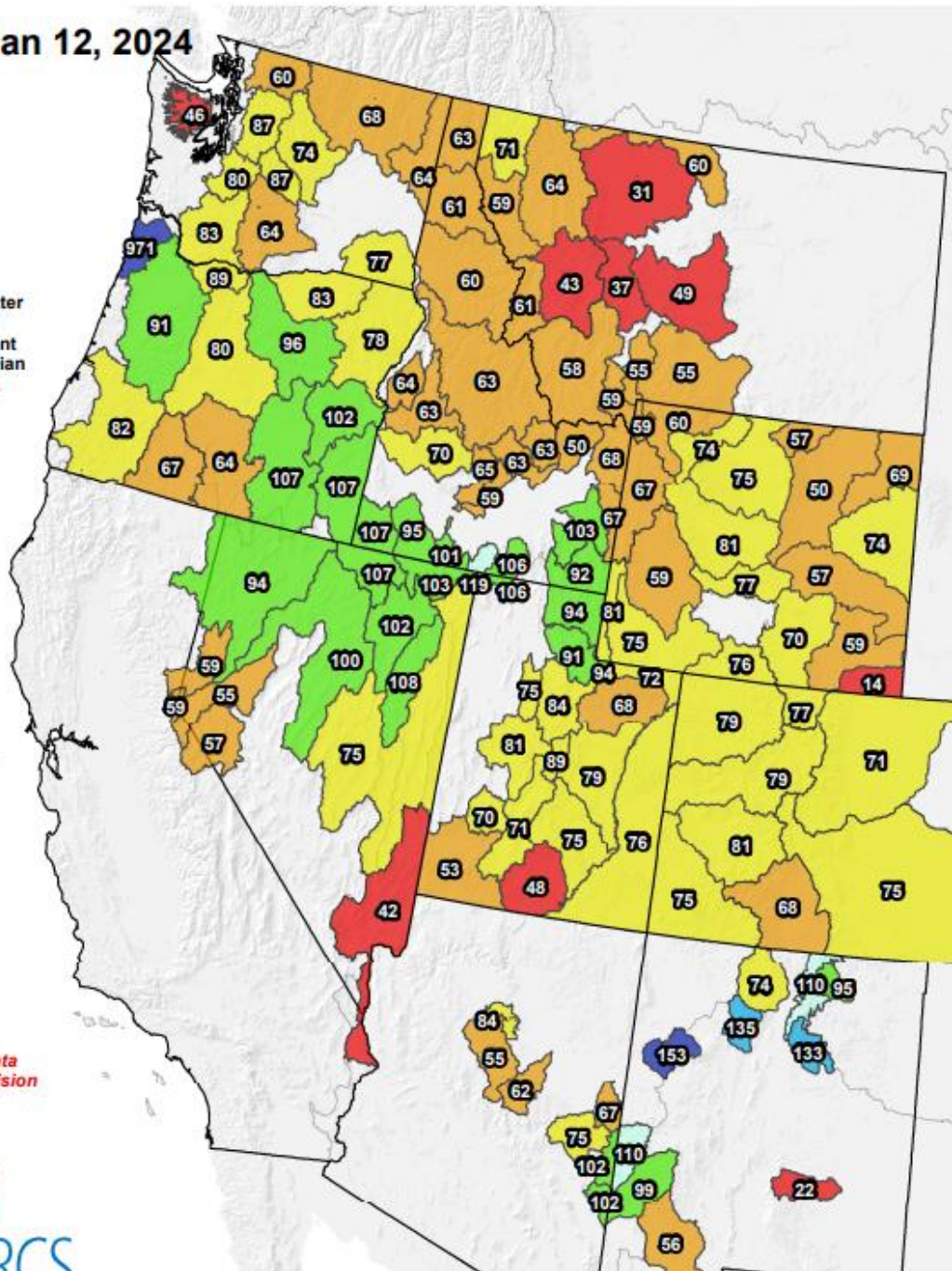
Jan 12, 2024

Current Snow Water Equivalent (SWE) Basin-wide Percent of 1991-2020 Median



* Data unavailable at time of posting or measurement is not representative at this time of year

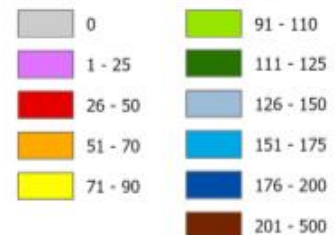
Provisional data subject to revision



Mountain Snow Water Equivalent

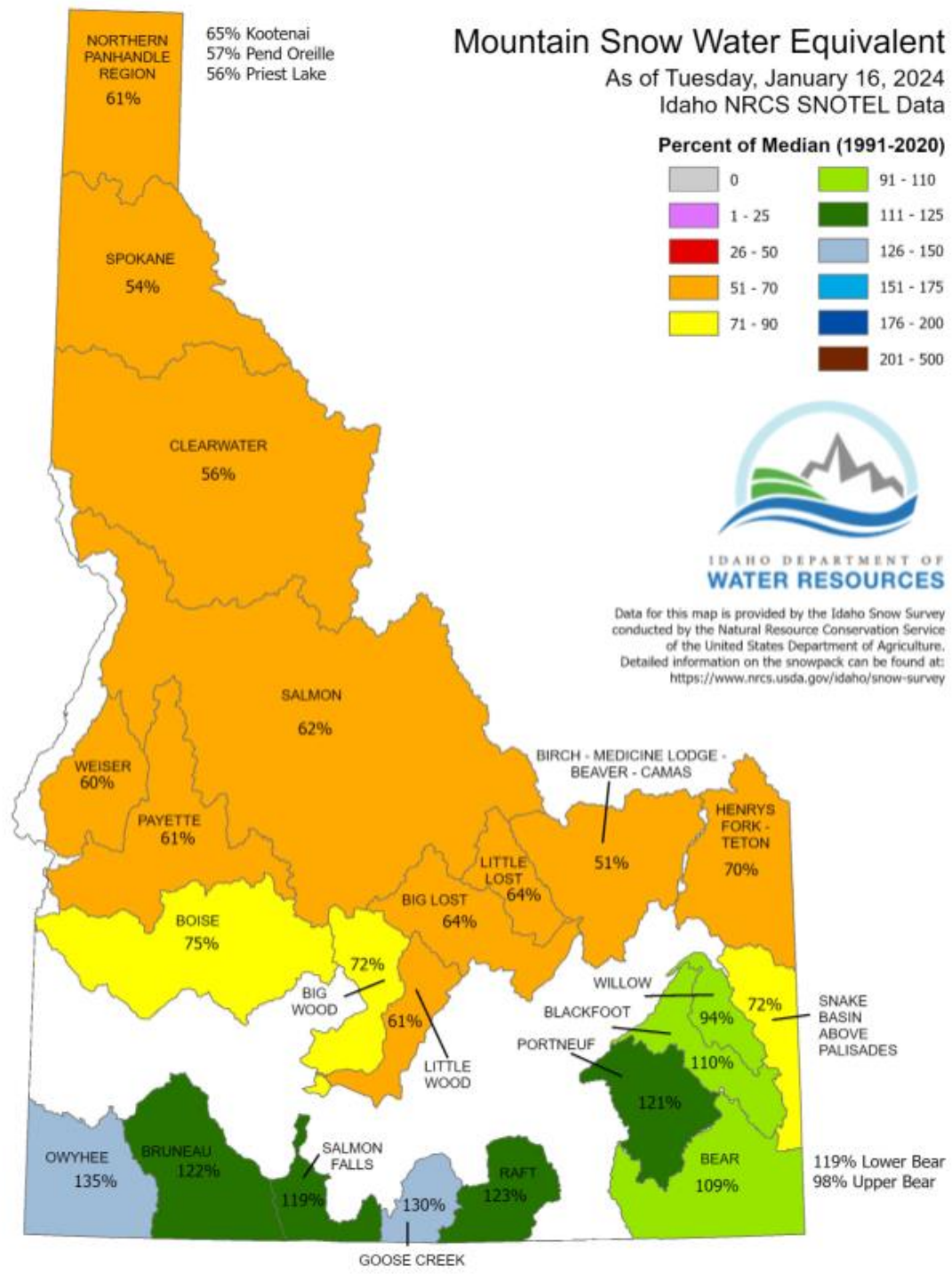
As of Tuesday, January 16, 2024
Idaho NRCS SNOTEL Data

Percent of Median (1991-2020)



IDAHO DEPARTMENT OF
WATER RESOURCES

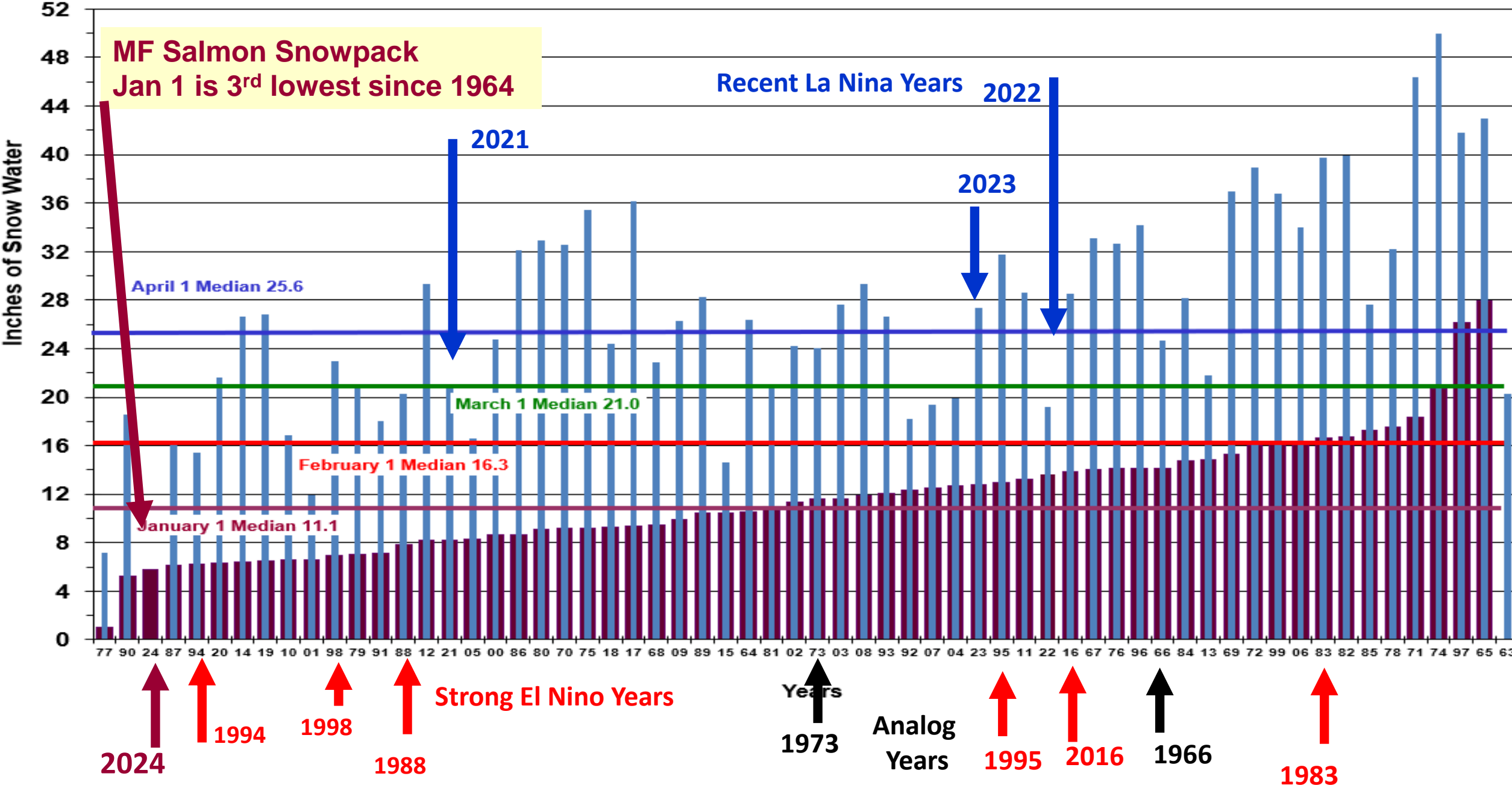
Data for this map is provided by the Idaho Snow Survey conducted by the Natural Resource Conservation Service of the United States Department of Agriculture. Detailed information on the snowpack can be found at: <https://www.nrcs.usda.gov/idaho/snow-survey>



January MF Salmon River Basin 3 Station Snow Index for Years 1964 - 2024
Banner Summit, Deadwood Summit, Morgan Creek

■ January 1 Snow Water
■ April 1 Snow Water

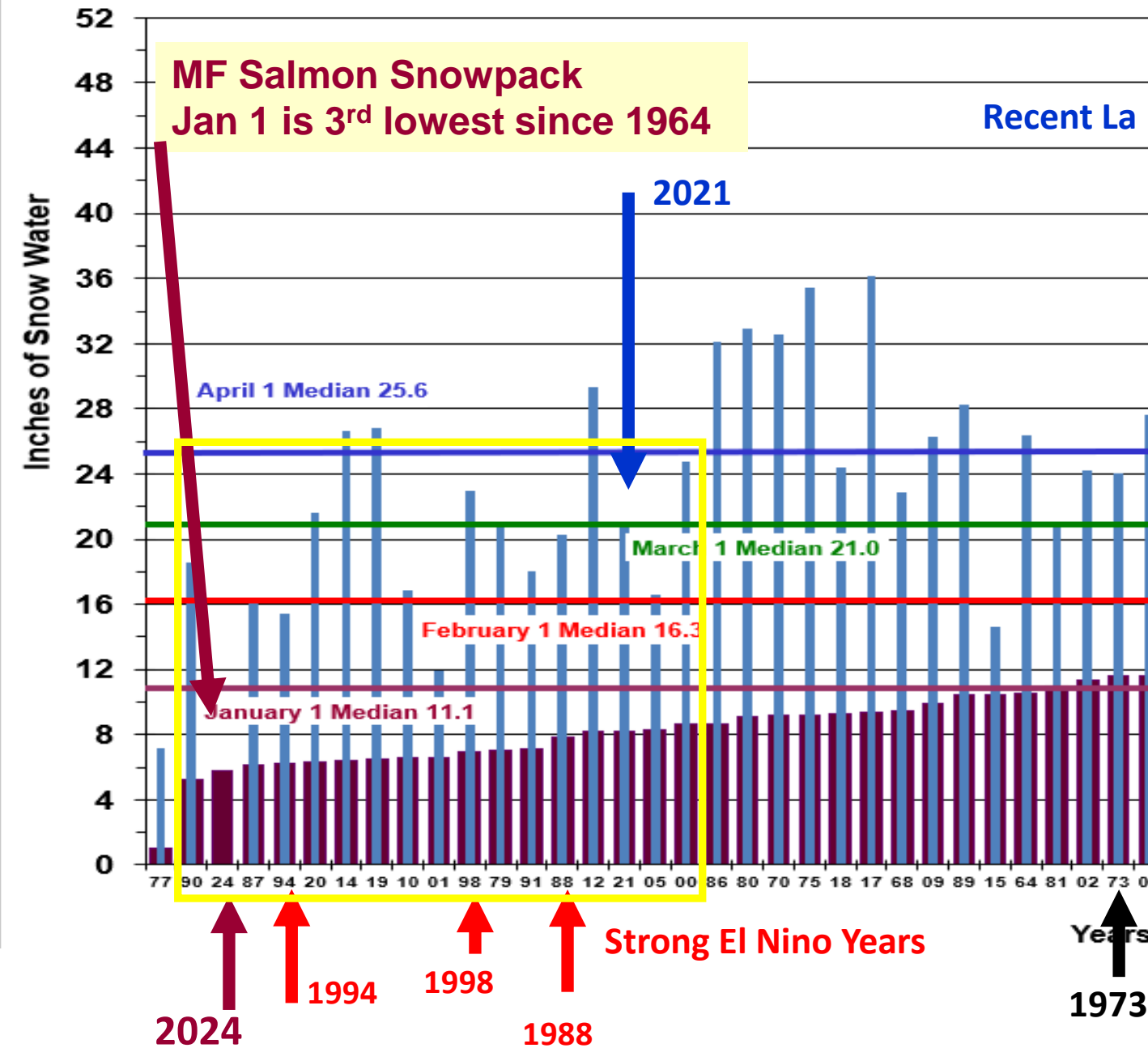
Medians are
1981-2010



January MF Salmon River Basin 3 Station Snow Index for Years 1964 - 2024
Banner Summit, Deadwood Summit, Morgan Creek

■ January 1 Snow Water
■ April 1 Snow Water

Medians are
1981-2010



Out of 16 years that had a SIMILAR below normal Jan 1 snowpack:

4 years increased to near or above APR 1 normal levels from Jan 1 to Apr 1 → 25 % chance

9 years increased to near or above MAR 1 normal levels from Jan 1 to Mar 1 → 56 % chance

Analog
Years

↑
1995

↑
2016

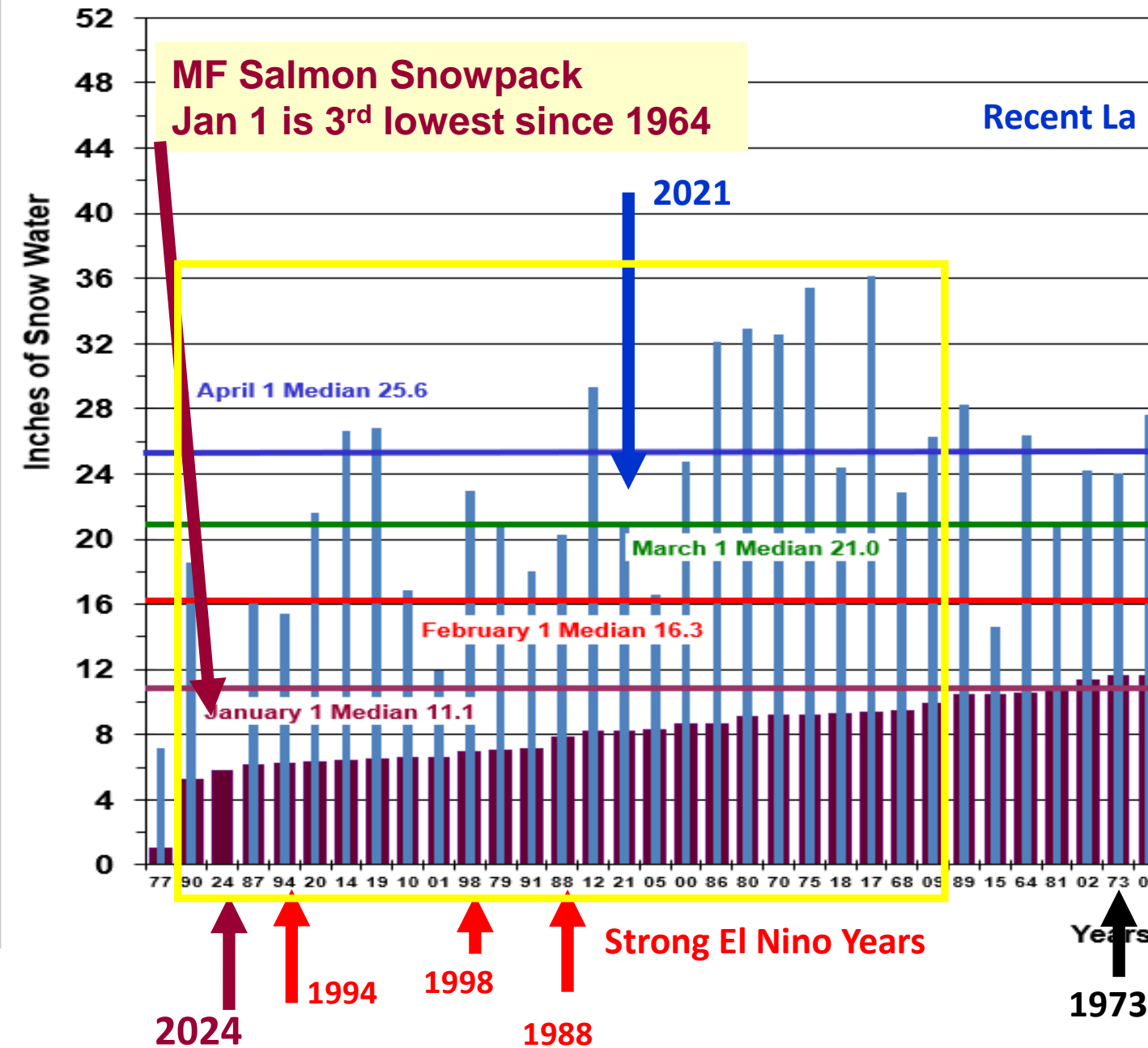
↑
1966

↑
1983

January MF Salmon River Basin 3 Station Snow Index for Years 1964 - 2024
Banner Summit, Deadwood Summit, Morgan Creek

■ January 1 Snow Water
■ April 1 Snow Water

Medians are
1981-2010



Out of 24 years, 1977 not included, that had a
Below Normal Jan 1 snowpack:
11 years increased to near or above APR 1
normal levels from Jan 1 to Apr 1 → 46 % chance

17 years increased to near or above MAR 1
normal levels from Jan 1 to Mar 1 → 71 % chance

Analog
Years

1995

2016

1966

1983

SNOW WATER EQUIVALENT IN MIDDLE FORK SALMON

Reset Range

Current as of 01/15/2024:
% of Median - 60%
% Median Peak - 30%
Days Until Median Peak - 86
Percentile - 7

Link to data: [CSV](#) / [JSON](#) [Station List](#)

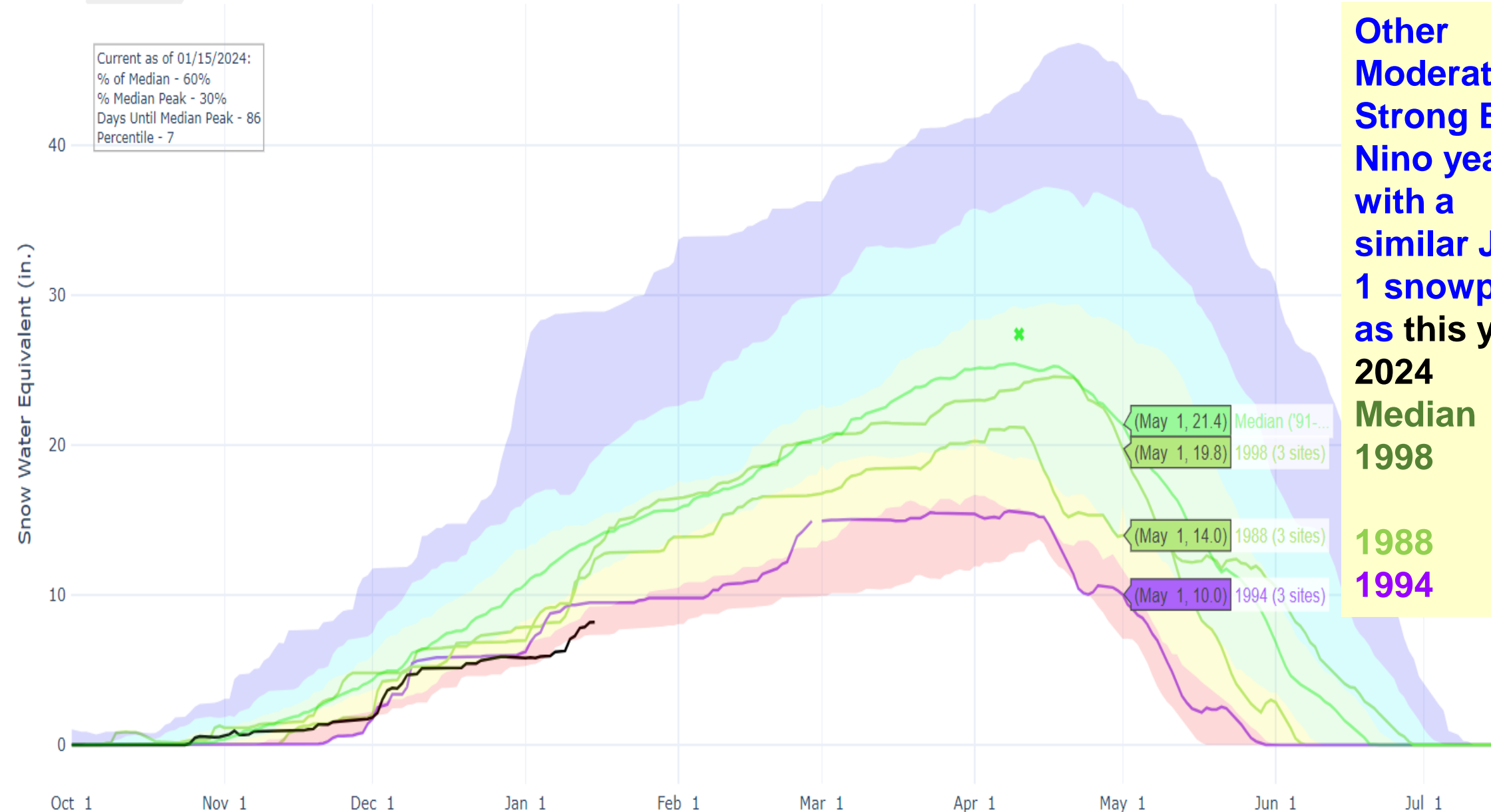
Other Moderate to Strong El Nino years with a similar Jan 1 snowpack as this year 2024

Median 1998

1988

1994

Median Peak SWE
Max
Median (POR)
Median ('91-'20)
Min
Stats. Shading
2024 (3 sites)
2023 (3 sites)
2022 (3 sites)
2021 (3 sites)
2020 (3 sites)
2019 (3 sites)
2018 (3 sites)
2017 (3 sites)
2016 (3 sites)
2015 (3 sites)
2014 (3 sites)
2013 (3 sites)
2012 (3 sites)
2011 (3 sites)
2010 (3 sites)
2009 (3 sites)
2008 (3 sites)
2007 (3 sites)
2006 (3 sites)
2005 (3 sites)
2004 (3 sites)



SNOW WATER EQUIVALENT IN SALMON

Reset Range

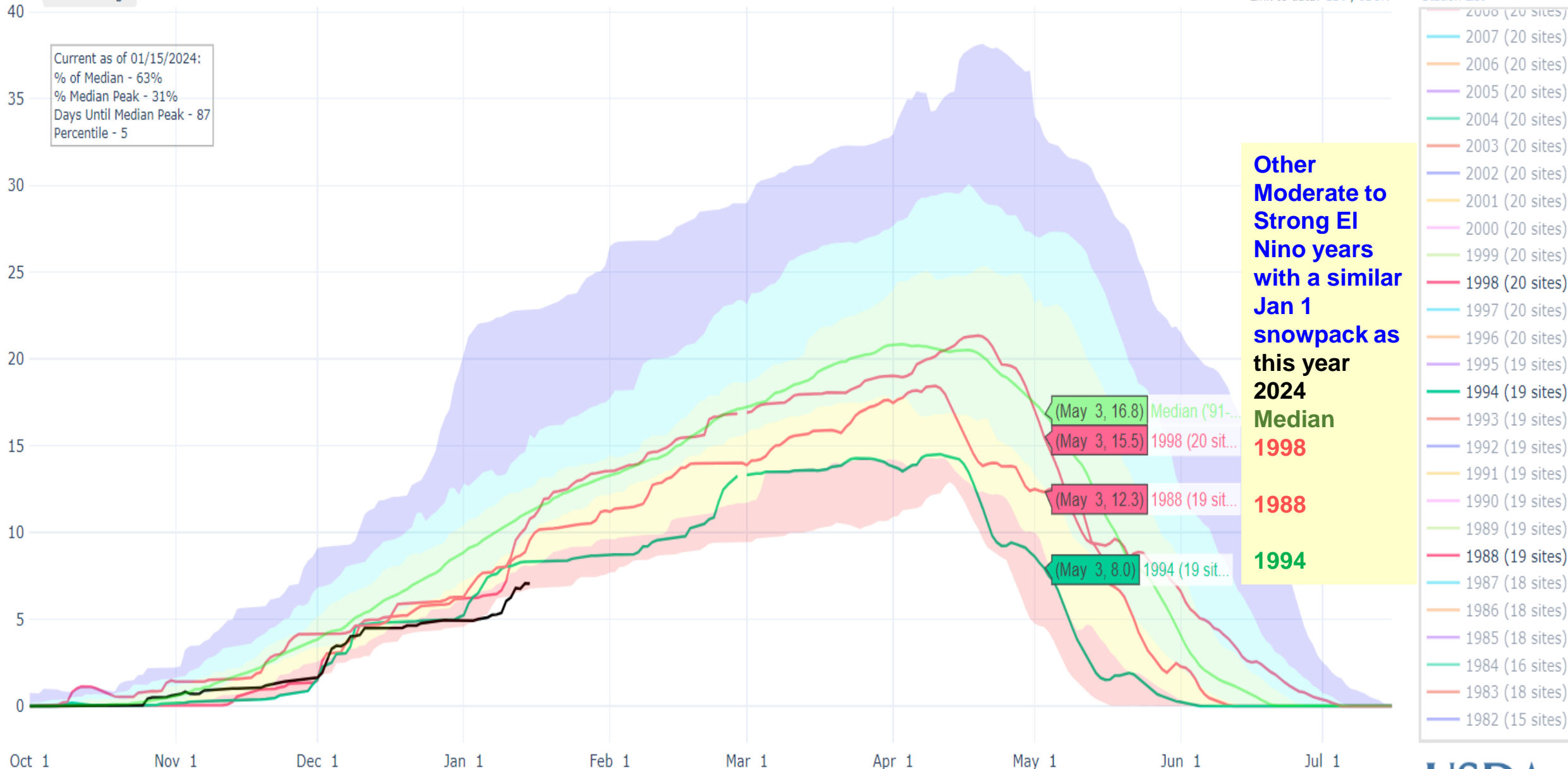
[Link to data: CSV / JSON](#)

Station List

Current as of 01/15/2024:
% of Median - 63%
% Median Peak - 31%
Days Until Median Peak - 87
Percentile - 5

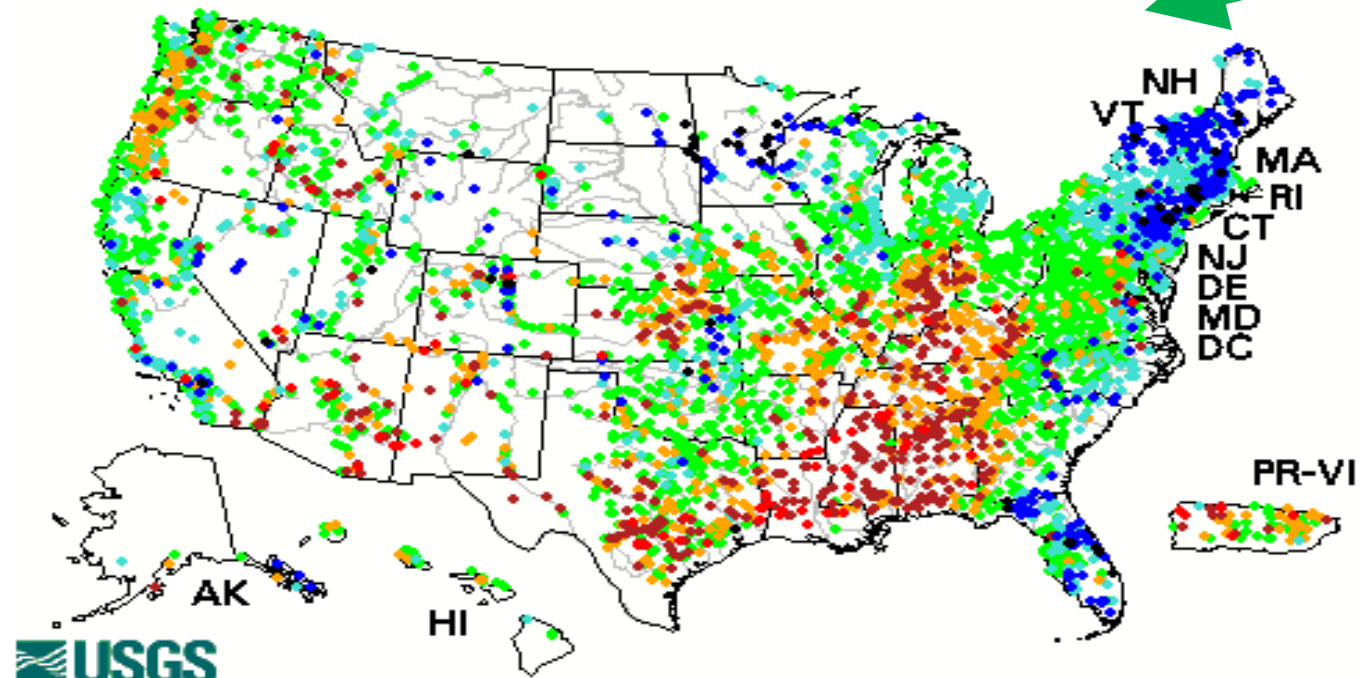
Snow Water Equivalent (in.)

**Other
Moderate to
Strong El
Nino years
with a similar
Jan 1
snowpack as
this year
2024**
**Median
1998**
1988
1994



Daily Streamflow Conditions

Sunday, December 31, 2023 17:30ET



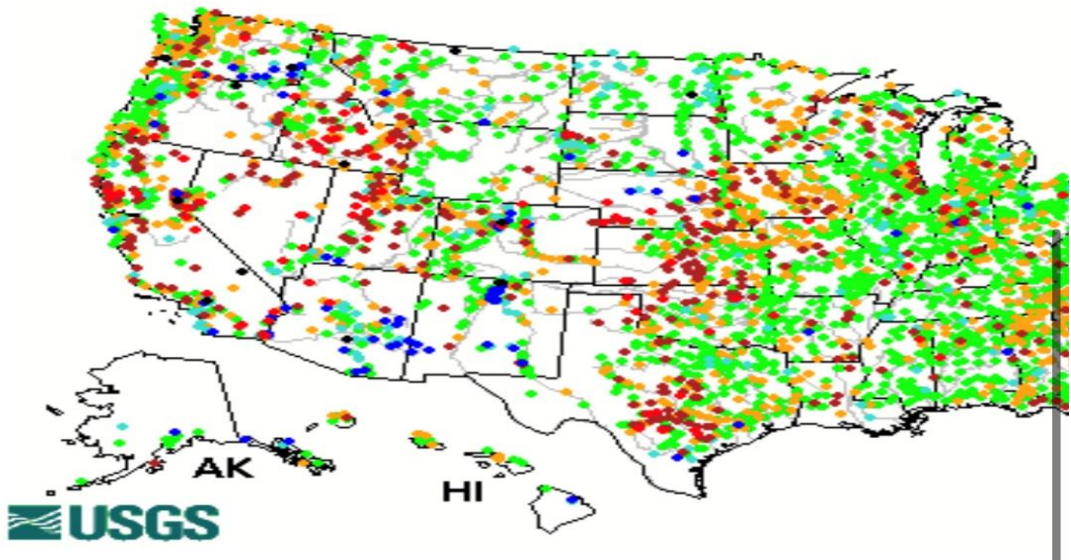
Dec 31, 2023 Fall Base Flows

Fall 2023 flows near to above normal while in **Fall 2022 were near record low** because of cold temps and early snowfall.

Nov 3, 2022 Fall Base Flows

Daily Streamflow Conditions

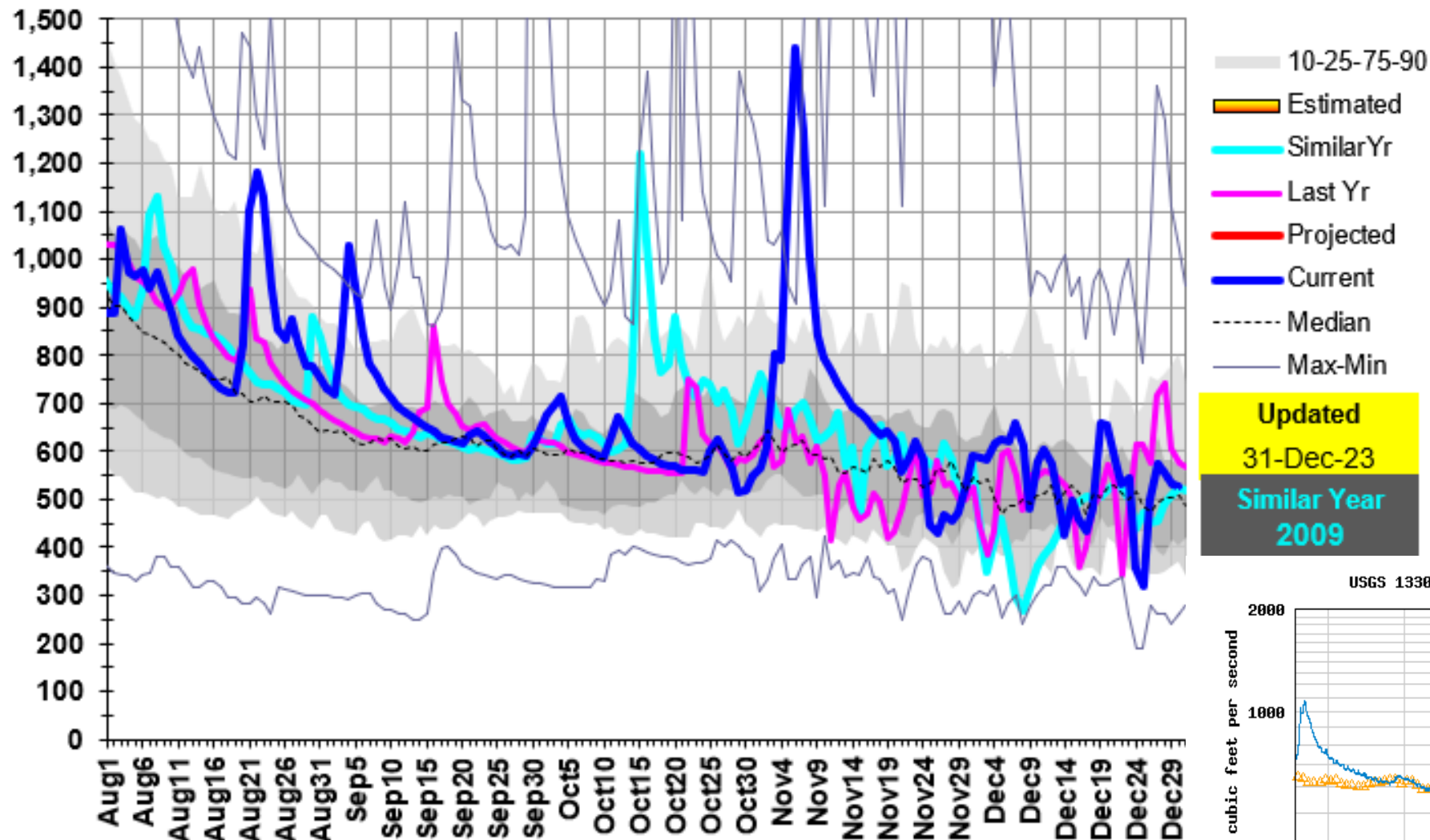
Thursday, November 03, 2022 10:30ET



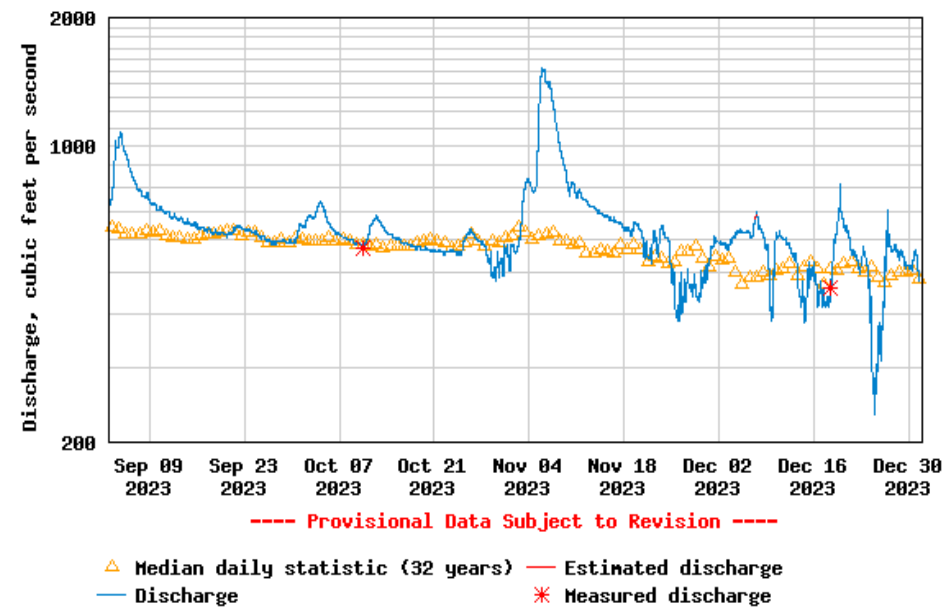
- USGS**
- Explanation**
- High
 - > 90th percentile
 - 76th - 90th percentile
 - 25th - 75th percentile
 - 10th - 24th percentile
 - < 10th percentile
 - Low
 - Not ranked

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

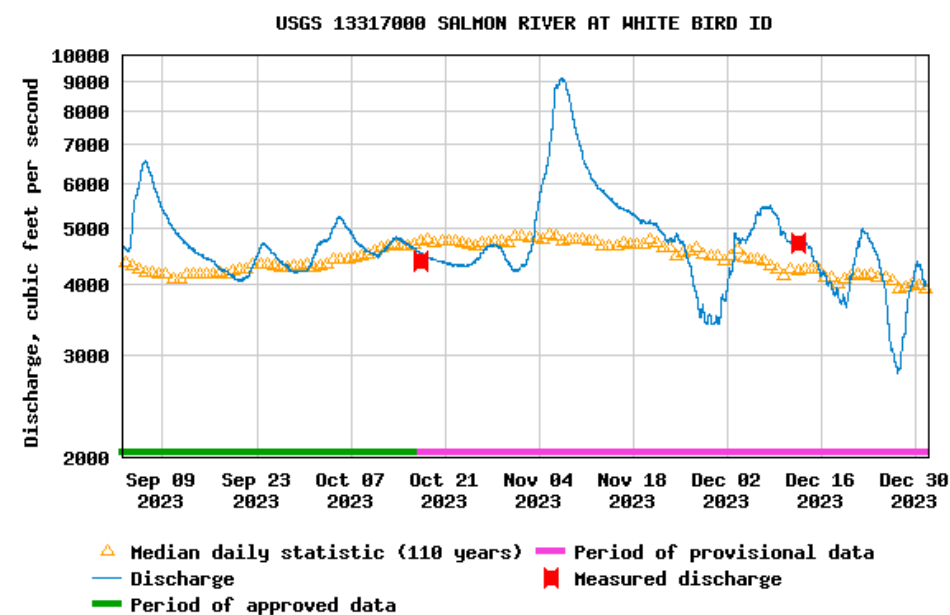
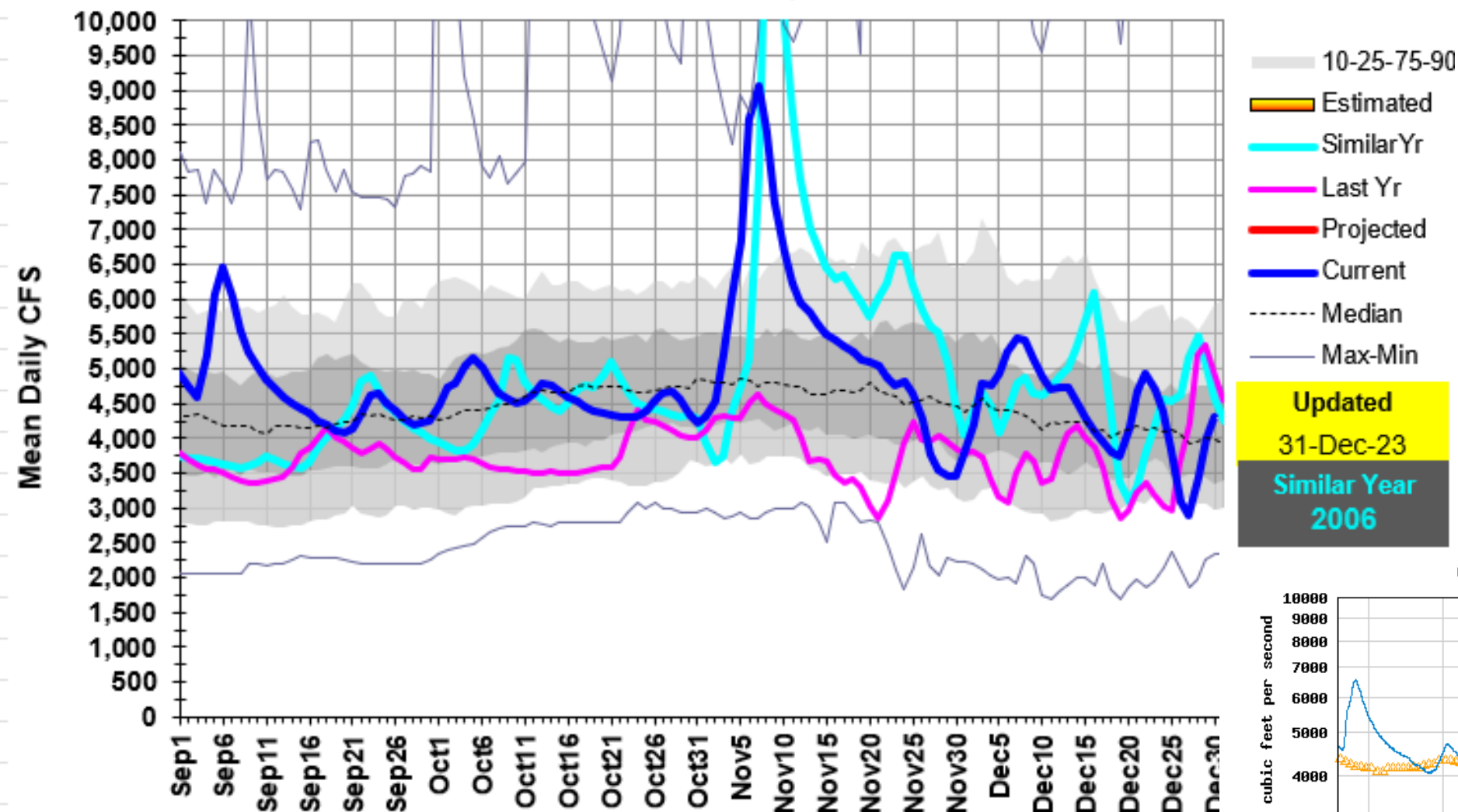
Mean Daily CFS



USGS 13309220 MF SALMON RIVER AT MF LODGE NR YELLOW PINE ID



13317000: Salmon R at White Bird, ID



Salmon River at Whitebird forecast for 79% of avg with an exceedance range of 54 to 102% of Avg

SALMON - AT WHITEBIRD (WHB1)					
Forecasts for Water Year 2024					
Official Water Supply					
ESP with 10 Days QPF Ensemble: 2024-01-15 Issued: 2024-01-15					
Forecast Period	Forecasts Are in KAF				30 Year Average (1991-2020)
	90 %	50 %	% Average	10 %	
APR-SEP	3320	4879	79	6289	6158
APR-JUL	2900	4351	77	5627	5614
JAN-SEP	4227	5659	80	7122	7099
JAN-JUL	3802	5131	78	6512	6555
OCT-SEP	5104	6536	82	7999	7958
Experimental Water Supply					
HEFS with 15 days EQPF Ensemble: 2024-01-15 Issued: 2024-01-15					
APR-SEP	3112	4886	79	6443	6158
APR-JUL	2704	4325	77	5832	5614
JAN-SEP	4073	5663	80	7326	7099
JAN-JUL	3660	5117	78	6715	6555
OCT-SEP	4949	6540	82	8202	7958
Reference					
ESP with 0 Days QPF Ensemble: 2024-01-15 Issued: 2024-01-15					
APR-SEP	3009	4753	77	6523	6158
APR-JUL	2607	4193	75	5849	5614
JAN-SEP	3955	5560	78	7379	7099
JAN-JUL	3550	5022	77	6720	6555
OCT-SEP	4832	6437	81	8256	7958
Move the mouse over the desired "Forecast Period" to display a graph					

