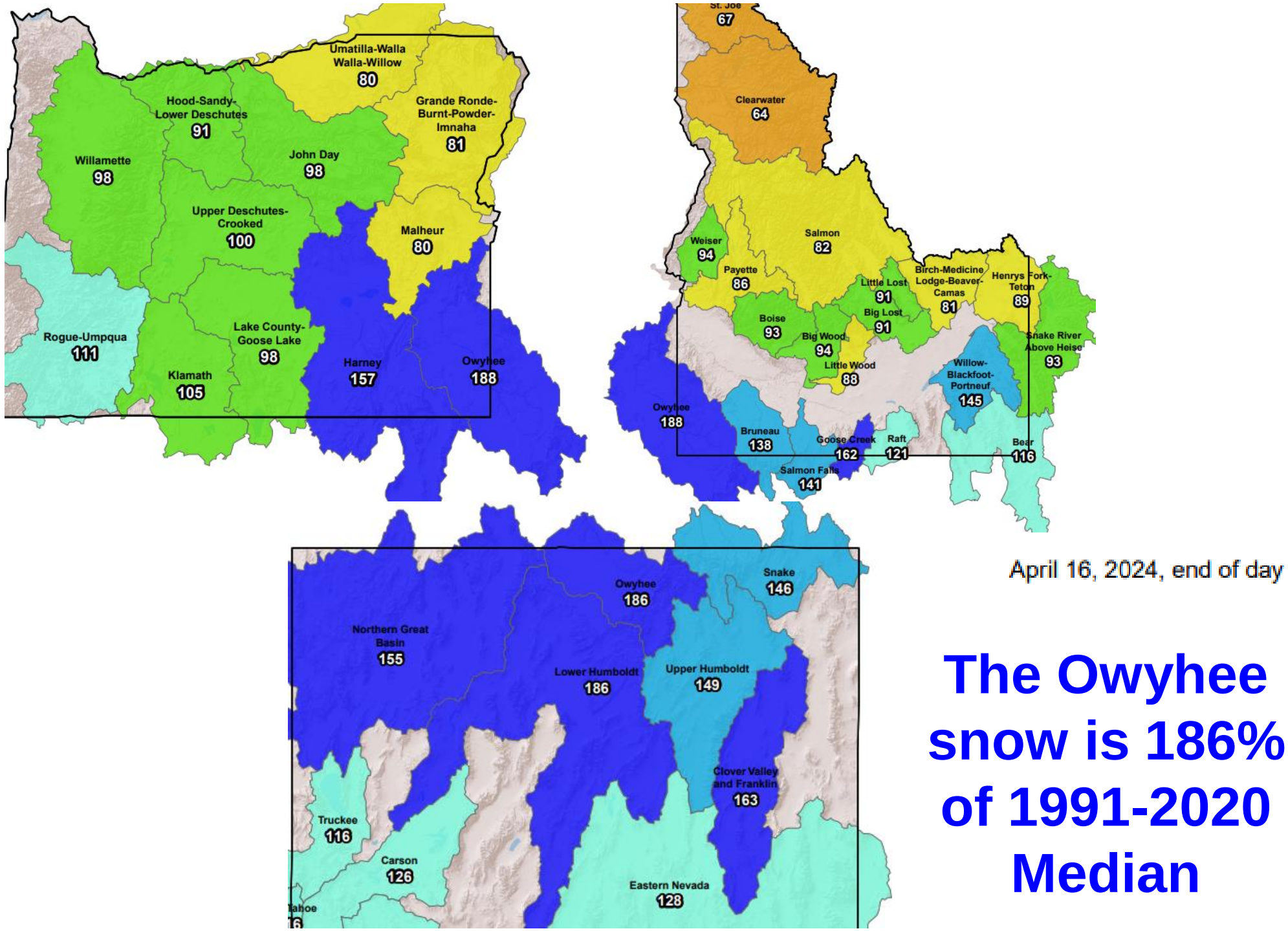
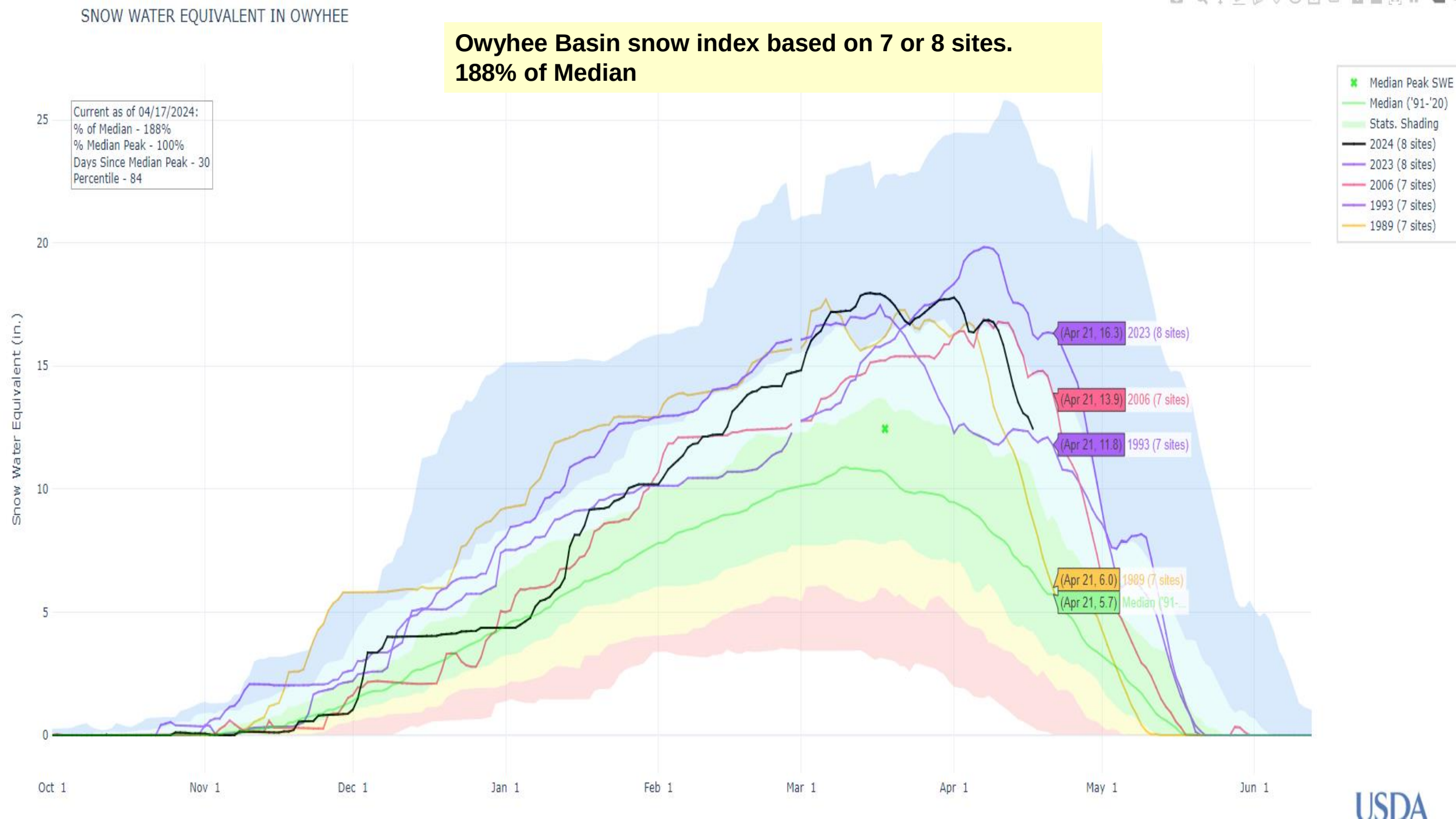


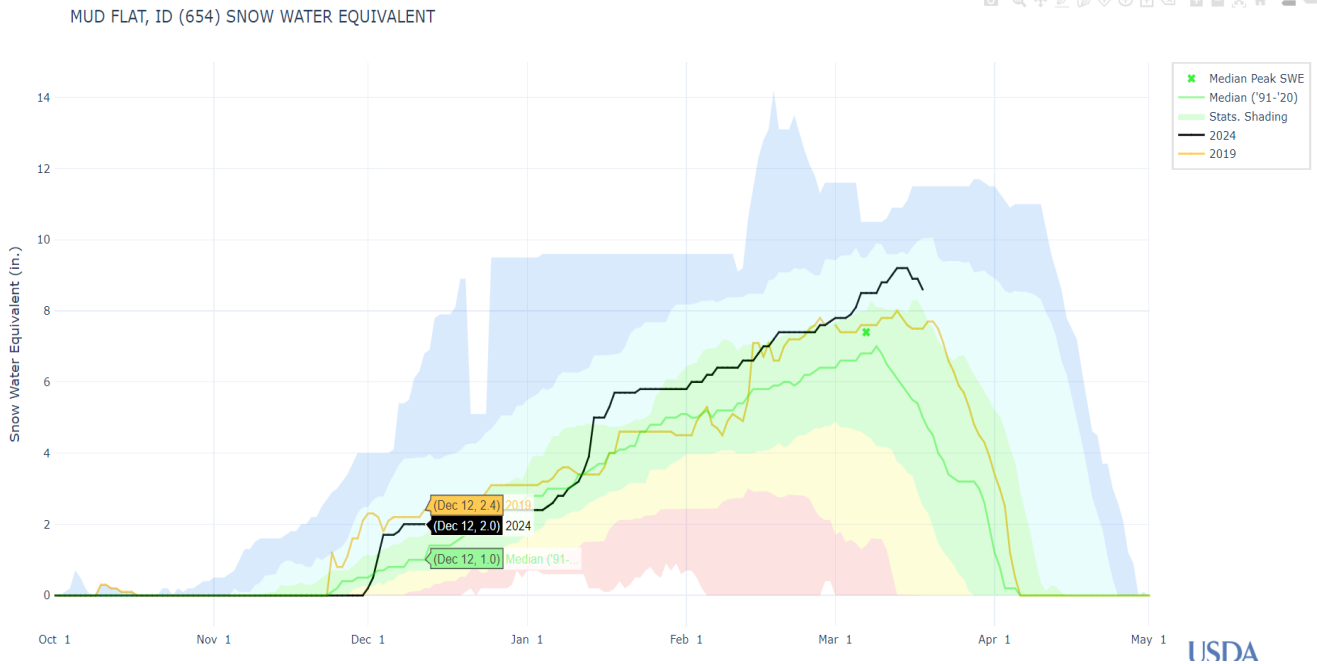
April 16, 2024, end of day

The Owyhee snow is 186% of 1991-2020 Median

Owyhee Basin snow index based on 7 or 8 sites.
188% of Median



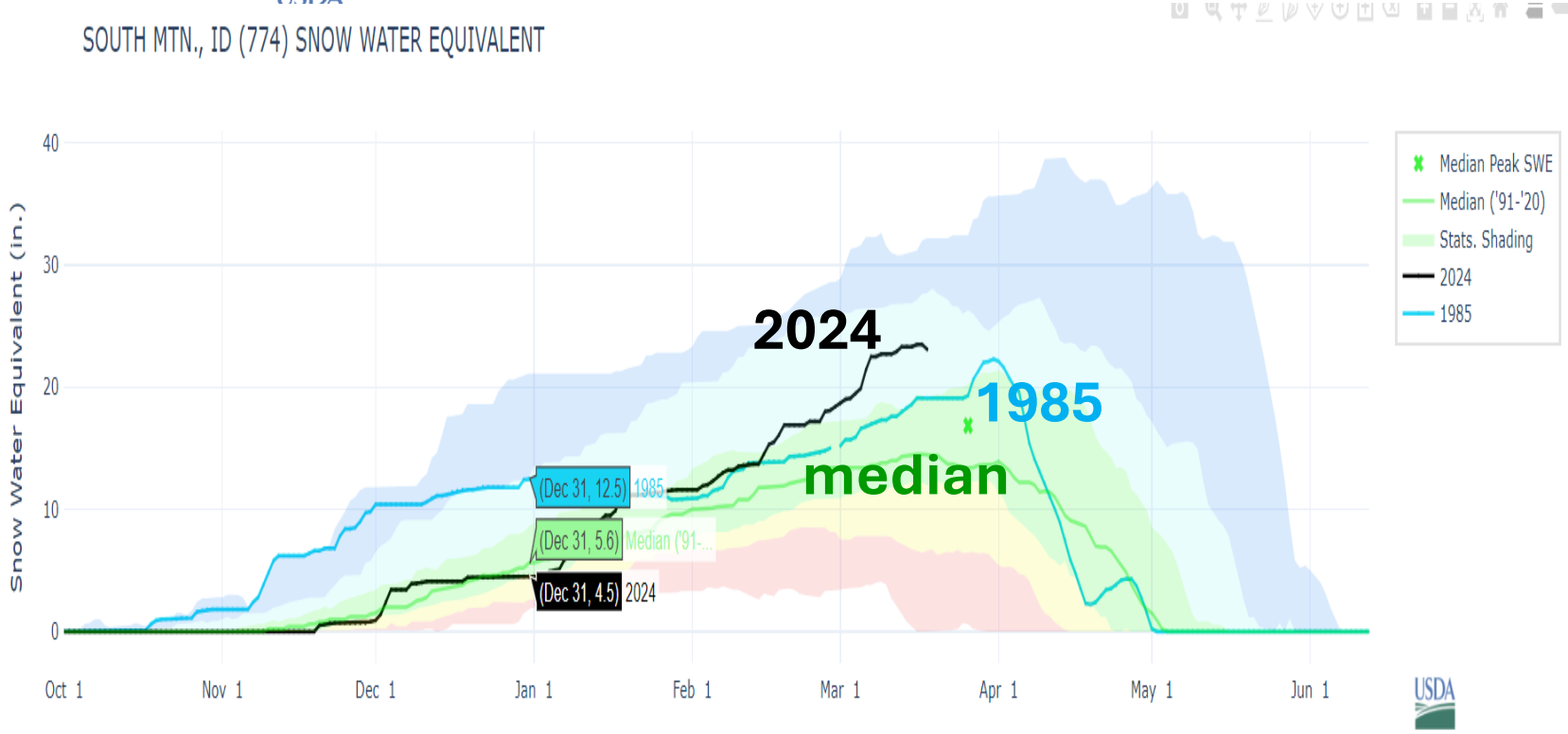
USDA



Images from March 7, 2024 talk:
Snow2Flow Summary based on Kara Ferguson analysis

Owyhee River snowmelt peak occurs when:

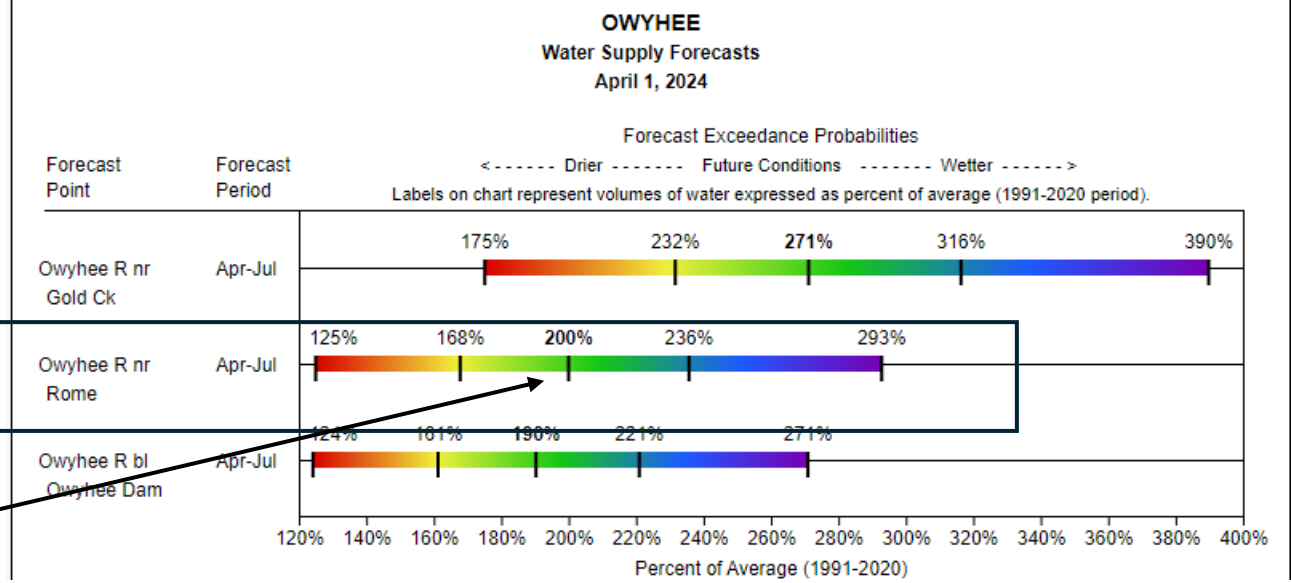
- **Mud Flat is ~15% melted (canopy changed)**
  and / or
- **South Mnt is ~30% melted (BETTER to USE)**

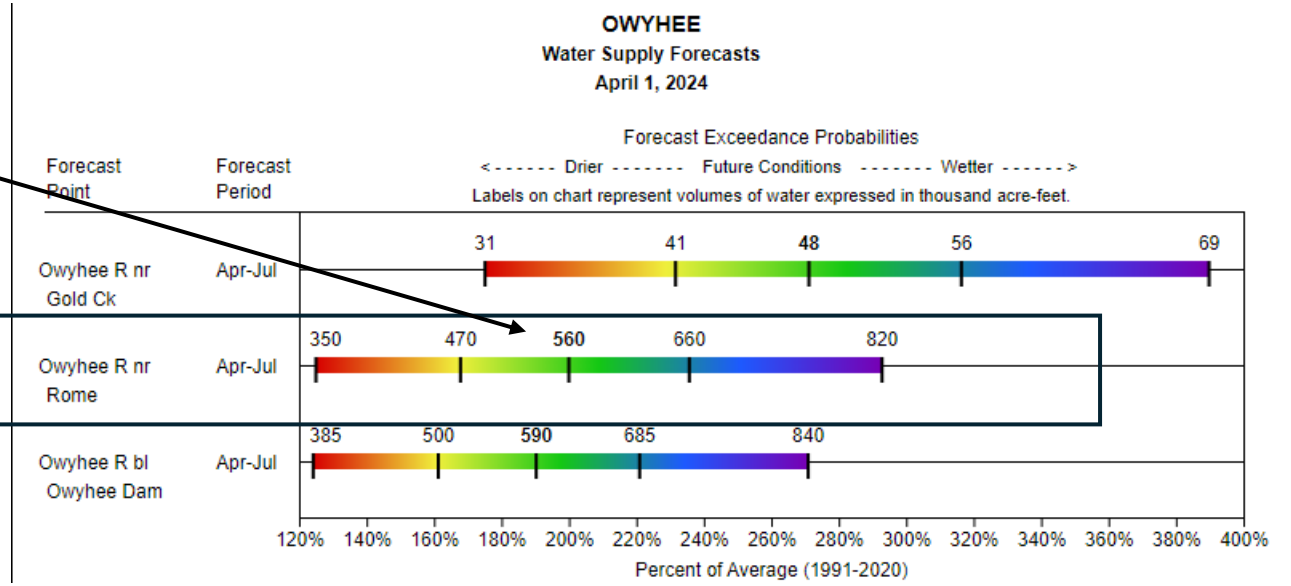


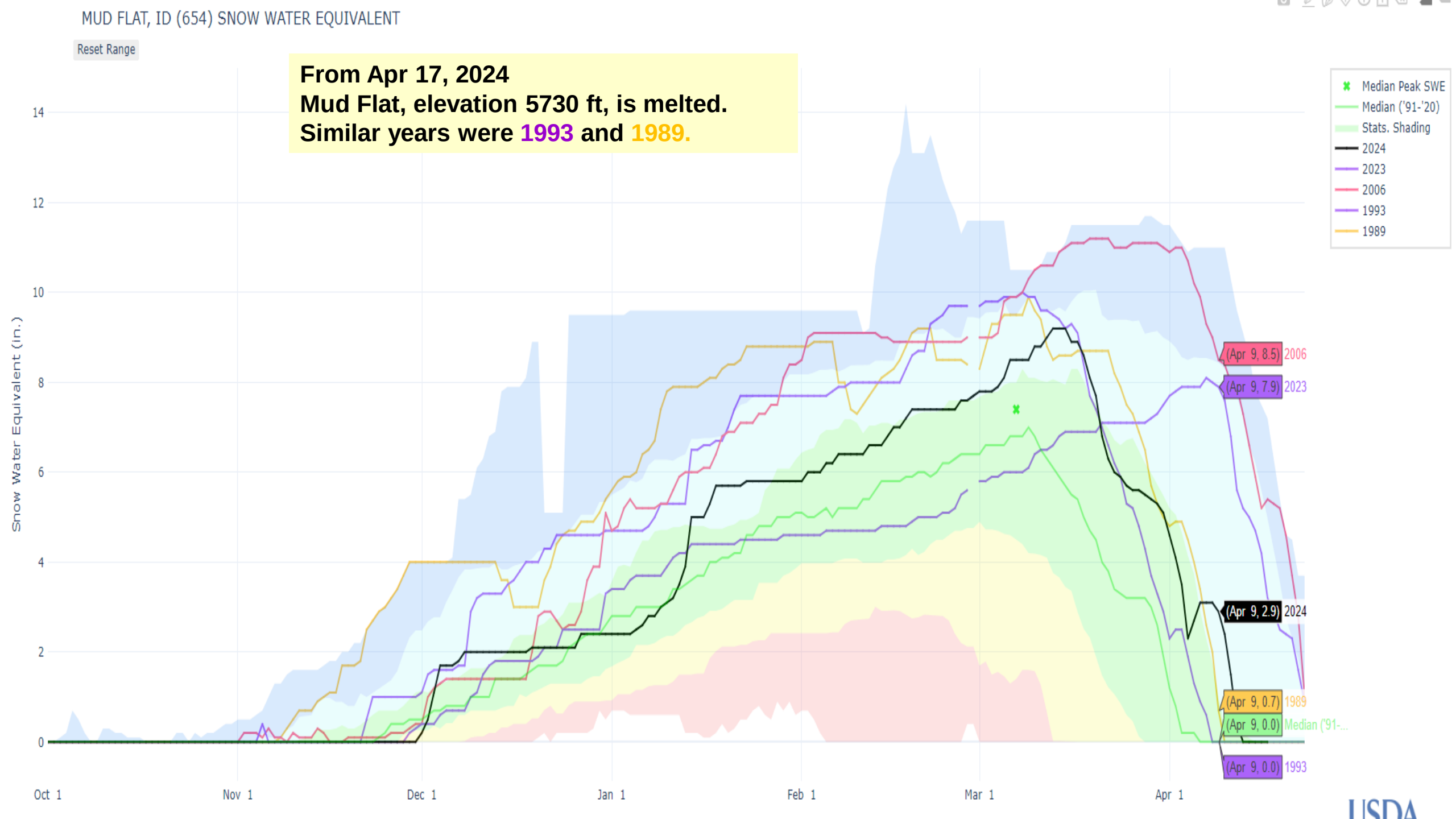
Unfortunately, there is no daily Owyhee River nr Rome streamflow info available from NRCS or NWS that I can find, so these are from 1st on month.

As of Apr 1, Rome Apr-Jul forecast is for:
200% of avg
560 KAF

Avg is 280 KAF

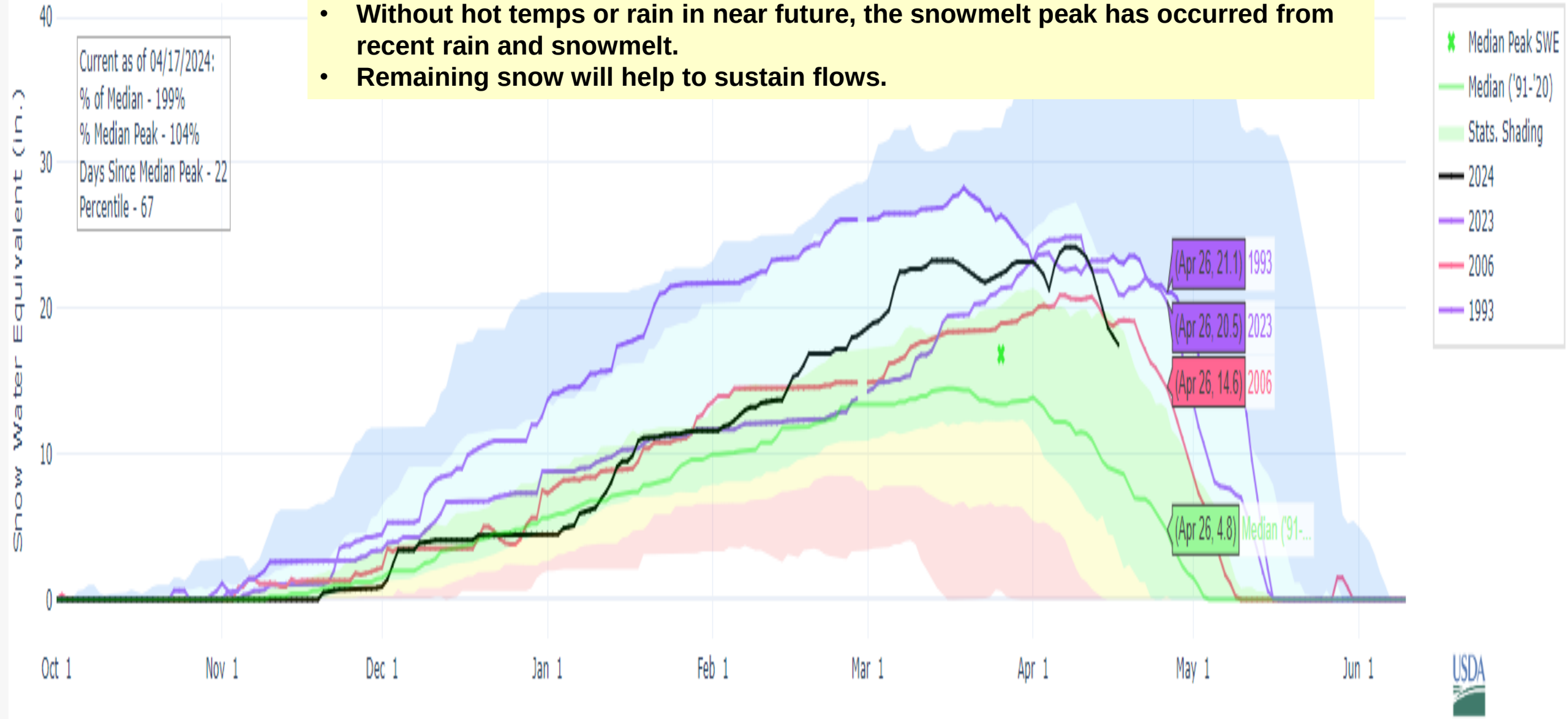


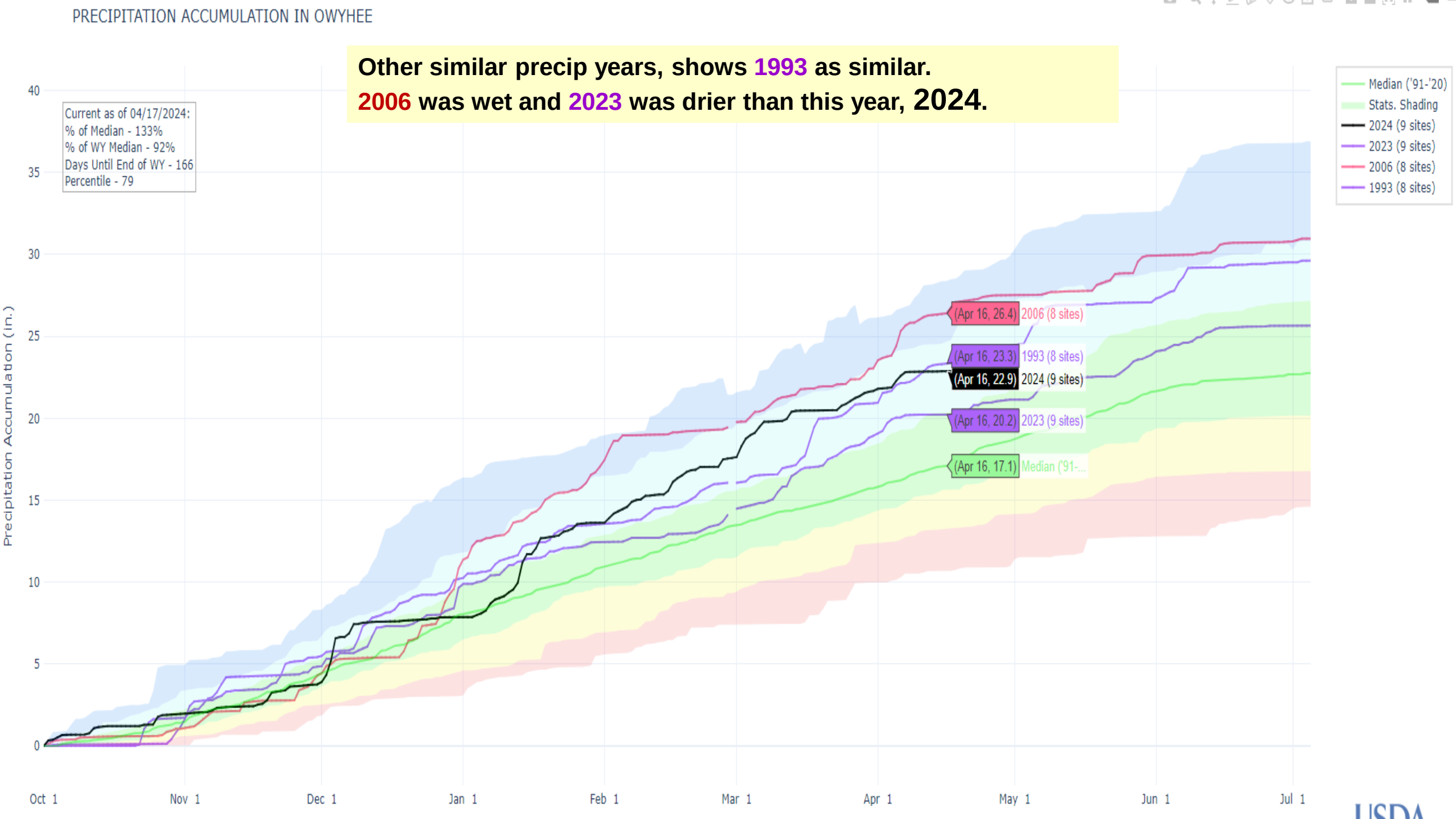


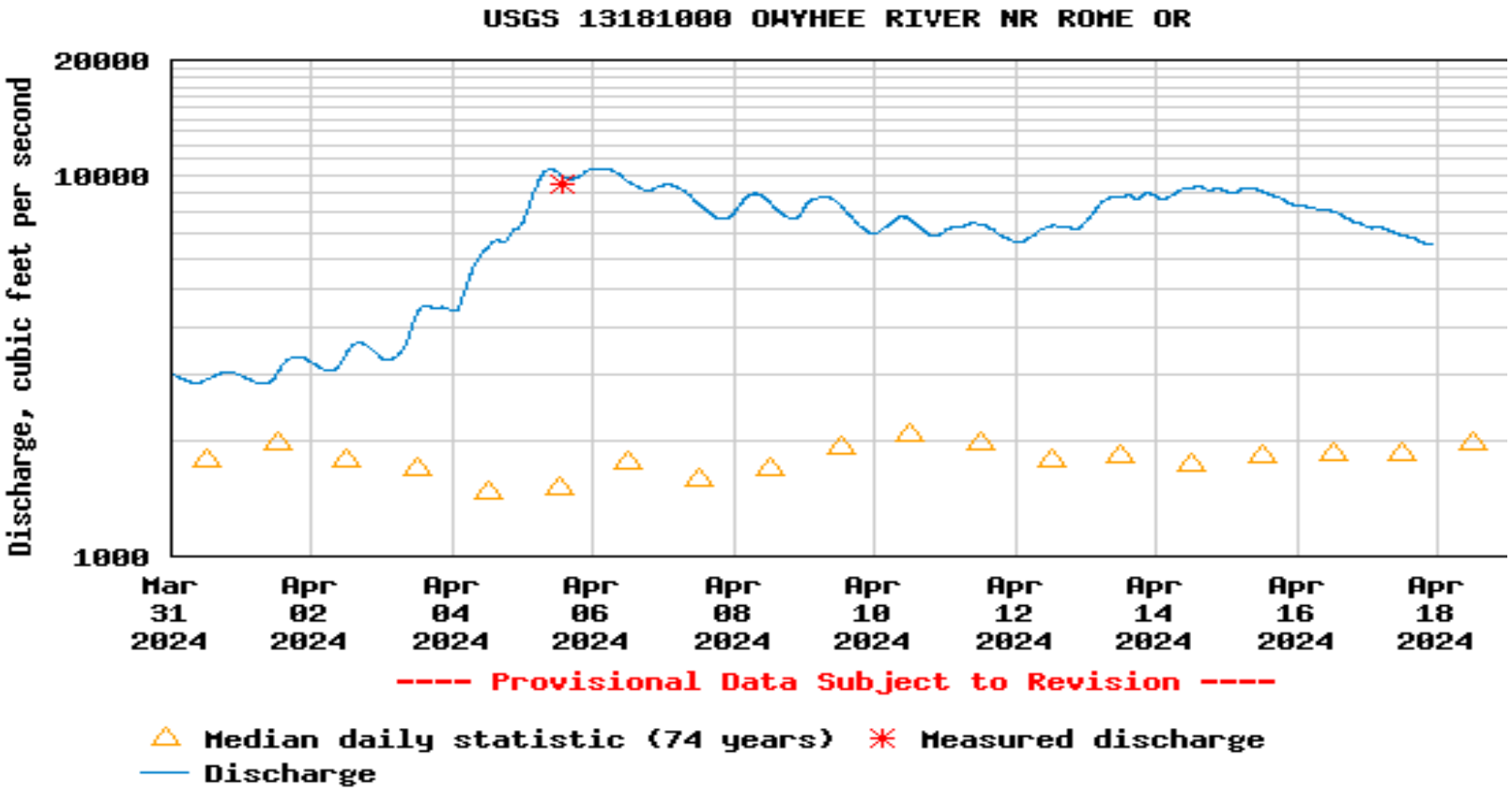

MUD FLAT, ID (654) SNOW WATER EQUIVALENT
Reset Range
From Apr 17, 2024
Mud Flat, elevation 5730 ft, is melted.
Similar years were 1993 and 1989.
Median Peak SWE
Median ('91-'20)
Stats. Shading
2024
2023
2006
1993
1989
Snow Water Equivalent (in.)
14
12
10
8
6
4
2
0
Oct 1
Nov 1
Dec 1
Jan 1
Feb 1
Mar 1
Apr 1
(Apr 9, 8.5) 2006
(Apr 9, 7.9) 2023
(Apr 9, 2.9) 2024
(Apr 9, 0.7) 1989
(Apr 9, 0.0) Median ('91-...
(Apr 9, 0.0) 1993

SOUTH MTN., ID (774) SNOW WATER EQUIVALENT

- **South Mnt., elevation 6400 ft, peaked Apr 9 at 24.2” and is now at 17.5” of SWE.**
- **30% melted occurs at 16.9” which is occurring today!**
- **Without hot temps or rain in near future, the snowmelt peak has occurred from recent rain and snowmelt.**
- **Remaining snow will help to sustain flows.**




PRECIPITATION ACCUMULATION IN OWYHEE
Other similar precip years, shows 1993 as similar.
2006 was wet and 2023 was drier than this year, 2024.
Current as of 04/17/2024:
% of Median - 133%
% of WY Median - 92%
Days Until End of WY - 166
Percentile - 79
Median ('91-'20)
Stats. Shading
2024 (9 sites)
2023 (9 sites)
2006 (8 sites)
1993 (8 sites)
(Apr 16, 26.4) 2006 (8 sites)
(Apr 16, 23.3) 1993 (8 sites)
(Apr 16, 22.9) 2024 (9 sites)
(Apr 16, 20.2) 2023 (9 sites)
(Apr 16, 17.1) Median ('91-...
Precipitation Accumulation (in.)
0
5
10
15
20
25
30
35
40
Oct 1
Nov 1
Dec 1
Jan 1
Feb 1
Mar 1
Apr 1
May 1
Jun 1
Jul 1



Create presentation-quality / stand-alone graph. Subscribe to WaterAlert

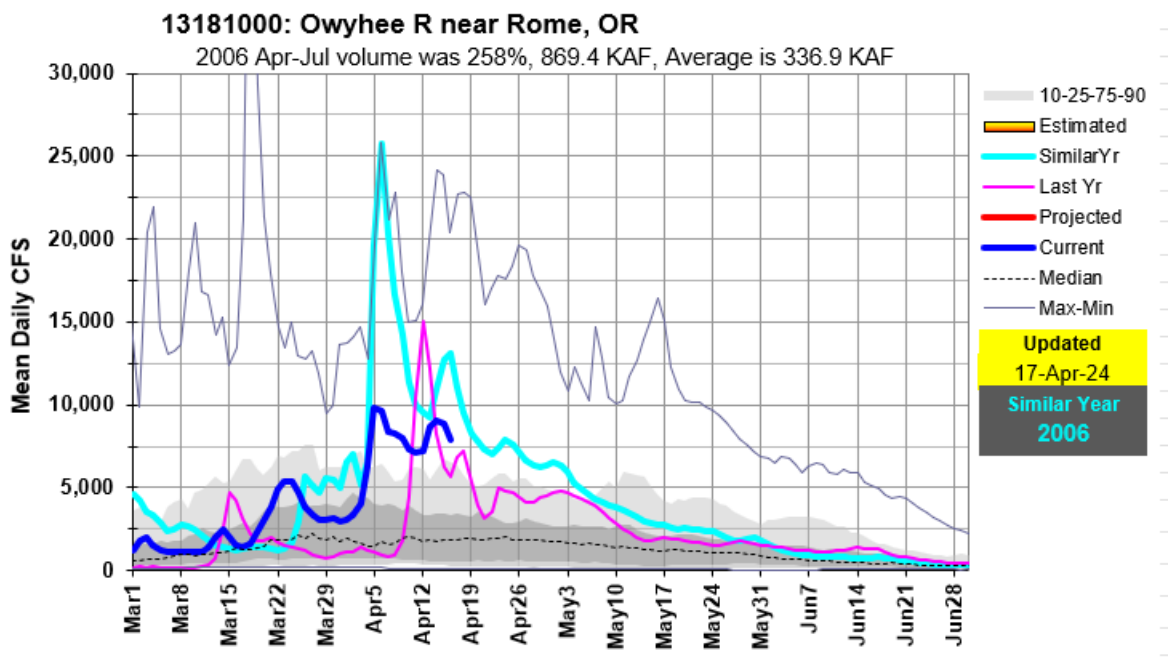
See this graph on the Monitoring Location Pages

Share this graph |

Daily discharge, cubic feet per second -- statistics for Apr 18 based on 74 water years of record more

Min (1992)	25th percen-tile	Median	Mean	75th percen-tile	Most Recent Instantaneous Value Apr 18	Max (1984)
132	526	1980	2820	3370	6560	22800

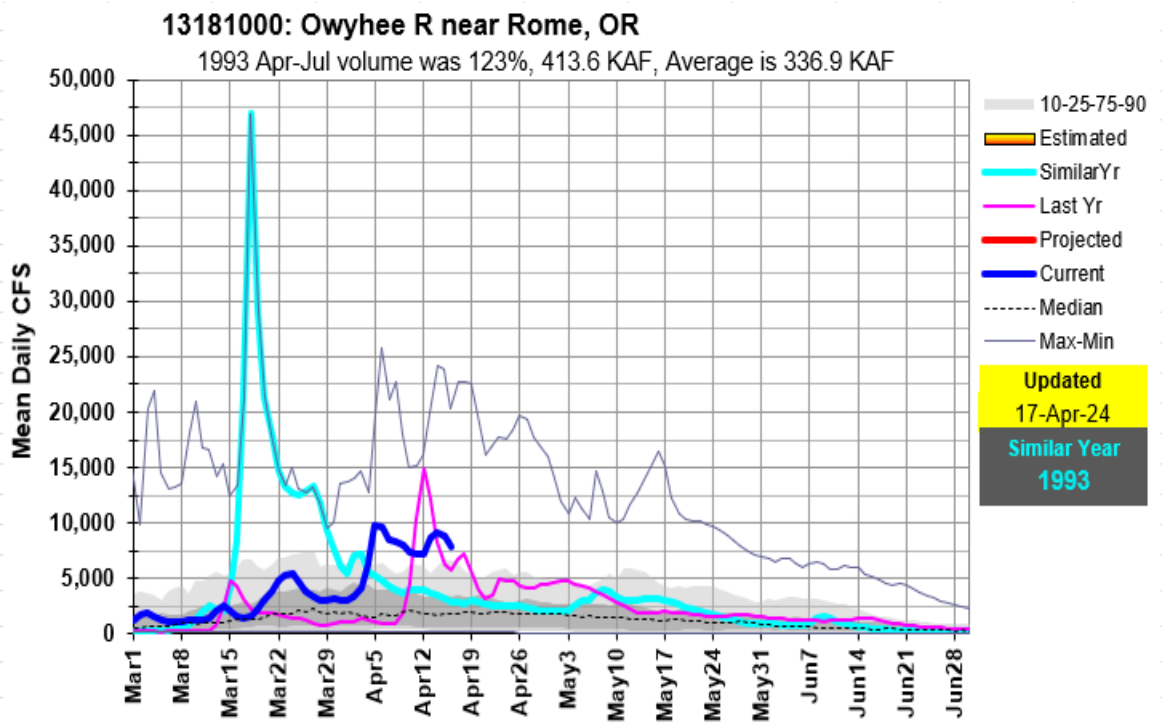
Owy is dropping slowly with cooler temps. Remain snow melt will hep sustain flows. Night & day temps will determine how fast the river drops without much weather on the near horizon.

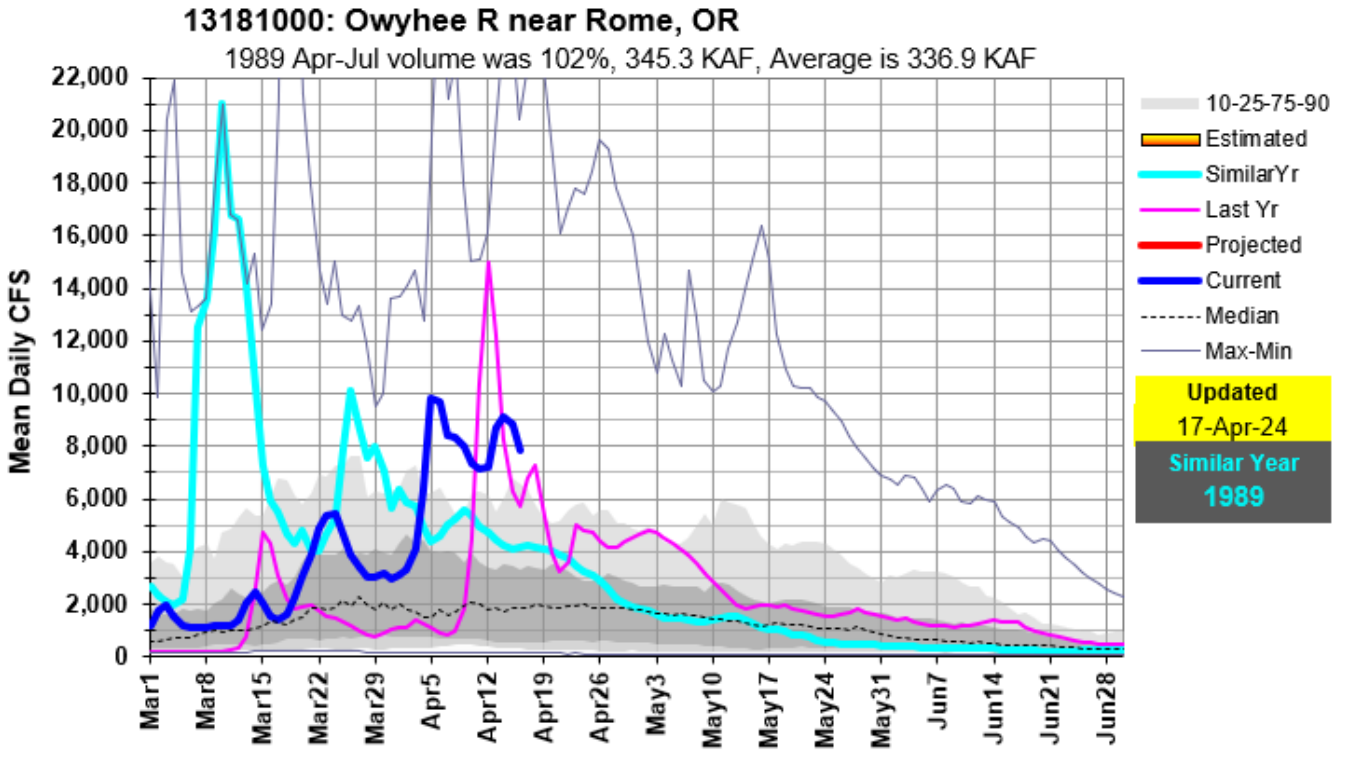


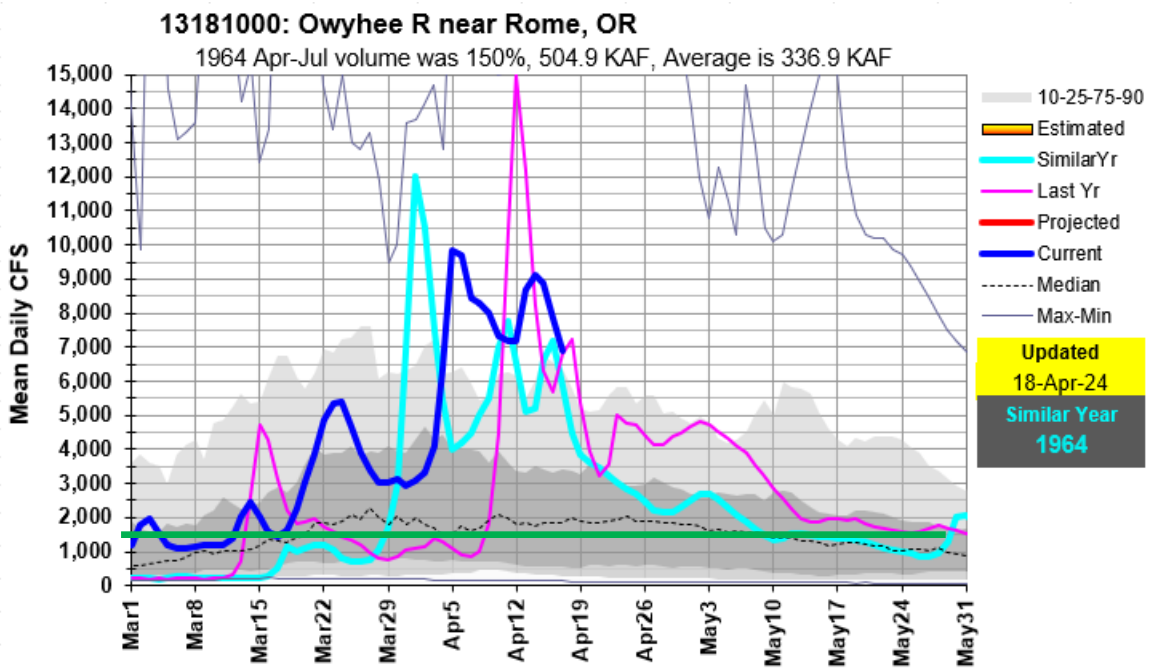
The similar snow years had high early peaks. The low, med and high snow must have melted together, possibly combining with rain, produced fast rising tributaries and high peaks at Rome.

2006 mean daily peak was just above 25K cfs. Because of remaining higher snow at South Mountain, this year's recession flow may follow pattern and be between last year and 2006.

1993 reached 47K wow!
1989 peaked early, March 10, at 21K cfs







Other years with current flow like this year are:

1964 A-J volume was 504KAF
1958 A-J volume was 616KAF
1969 A-J volume was 706KAF

Apr-Jul Forecast Volume for this year is 560 KAF with a range of 470 to 660 KAF (70 to 30% Exceedance Forecast volumes).

Based on these years, flows remained above 1500 CFS into mid to late May.