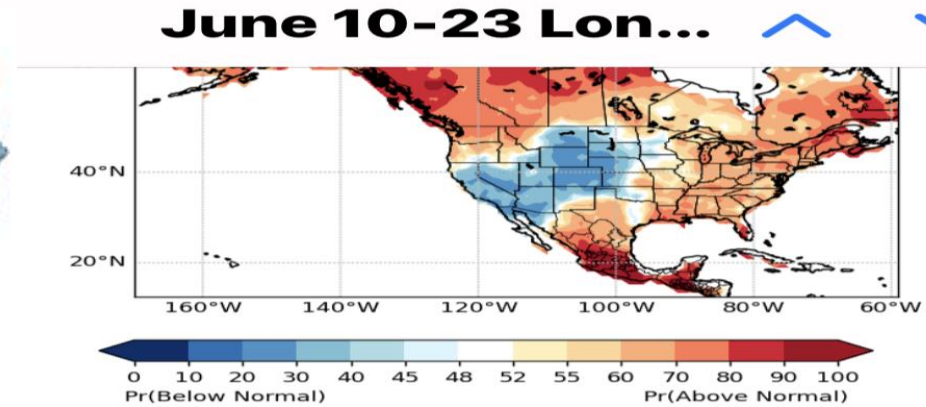
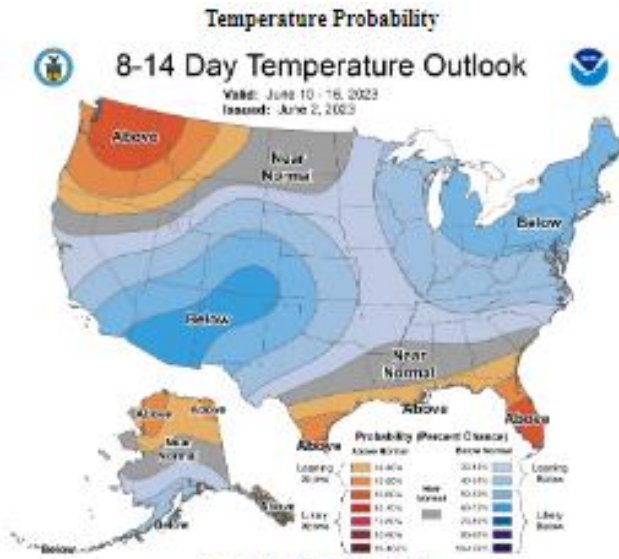
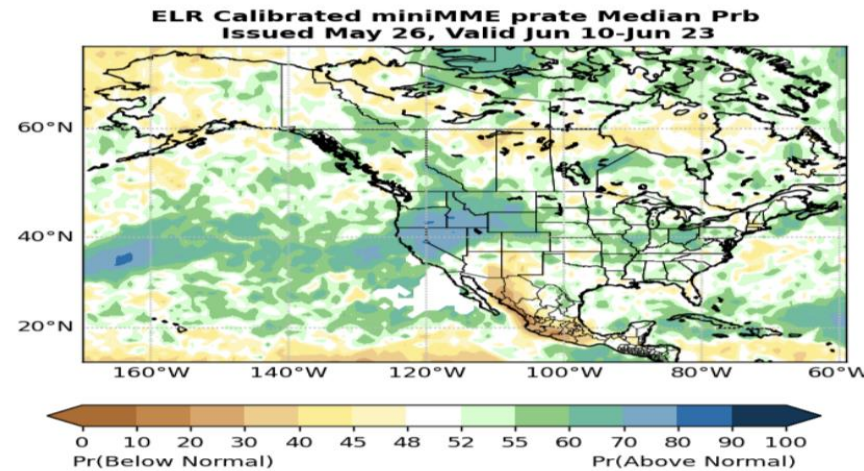
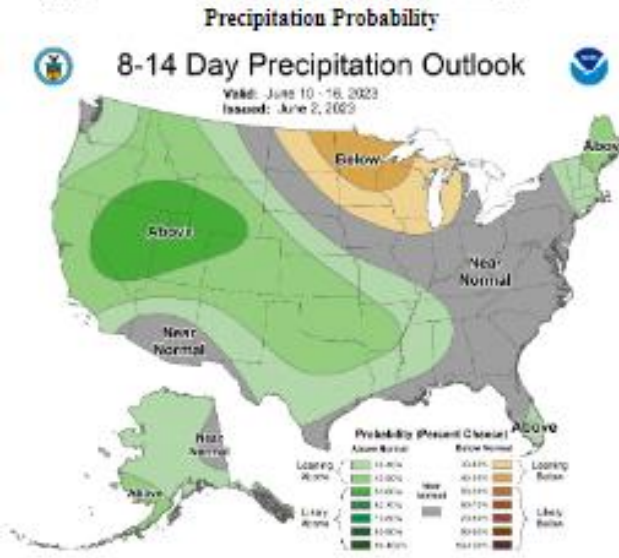


Snow & Flow Update for southern Idaho June 3, 2023

A few Temp & Precip Outlooks from NWS and Firsthand Weather showing current pattern likely to likely to continue for rest of June.



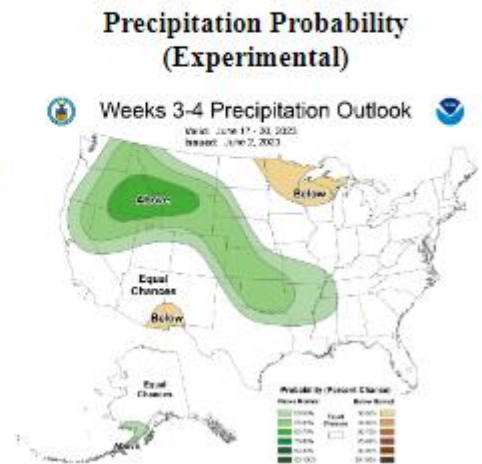
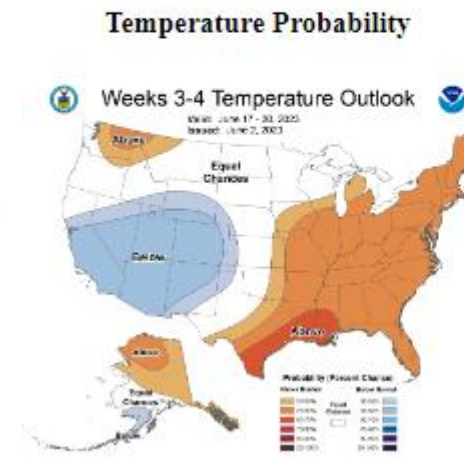
Probability of above/below average temperatures from June 10-23, 2023



Probability of above/below average precipitation from June 10-23, 2023

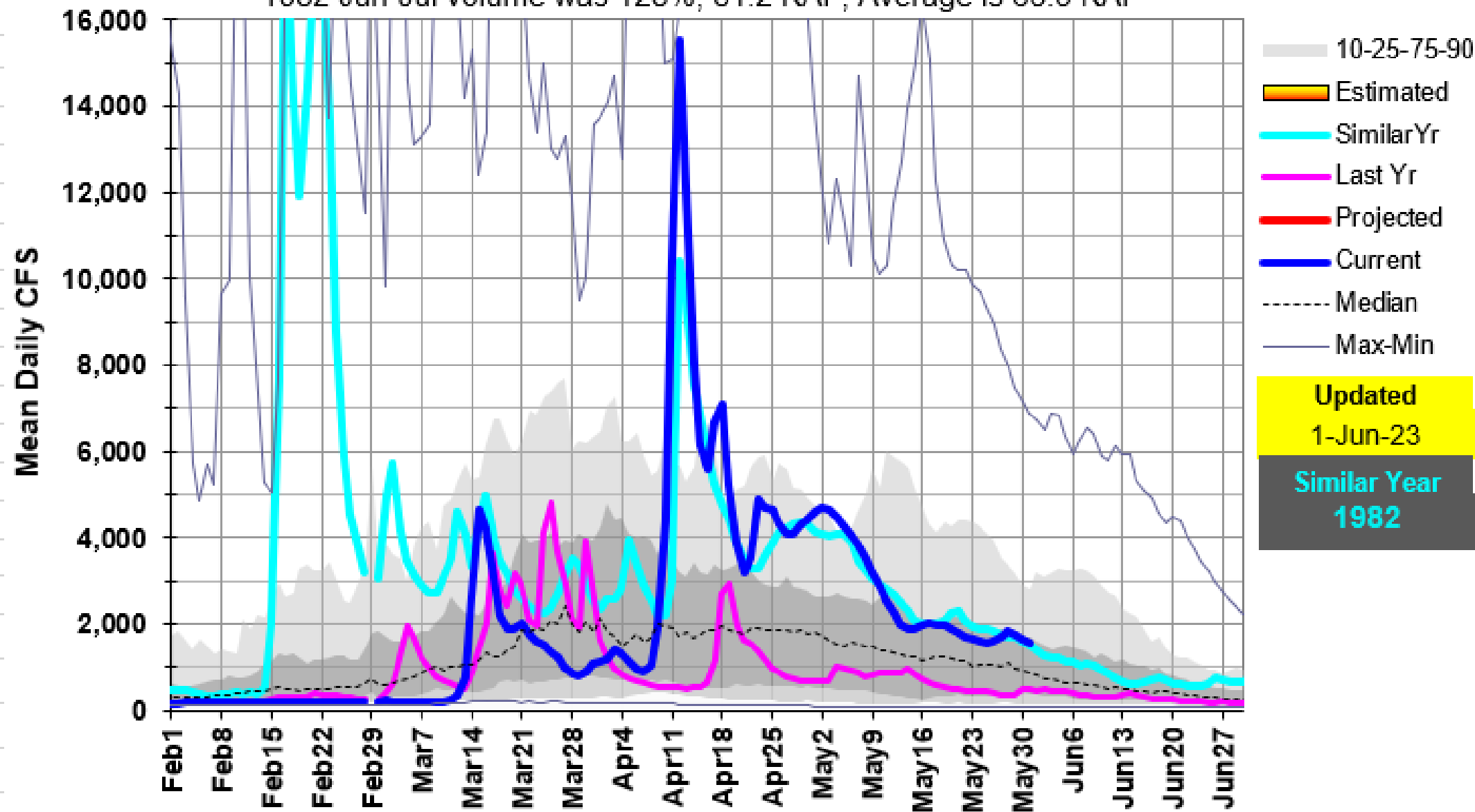
Week 3-4 Outlooks

Valid: 17 Jun 2023 to 30 Jun 2023
Updated: 02 Jun 2023



13181000: Owyhee R near Rome, OR

1982 Jun-Jul volume was 128%, 81.2 KAF, Average is 63.5 KAF

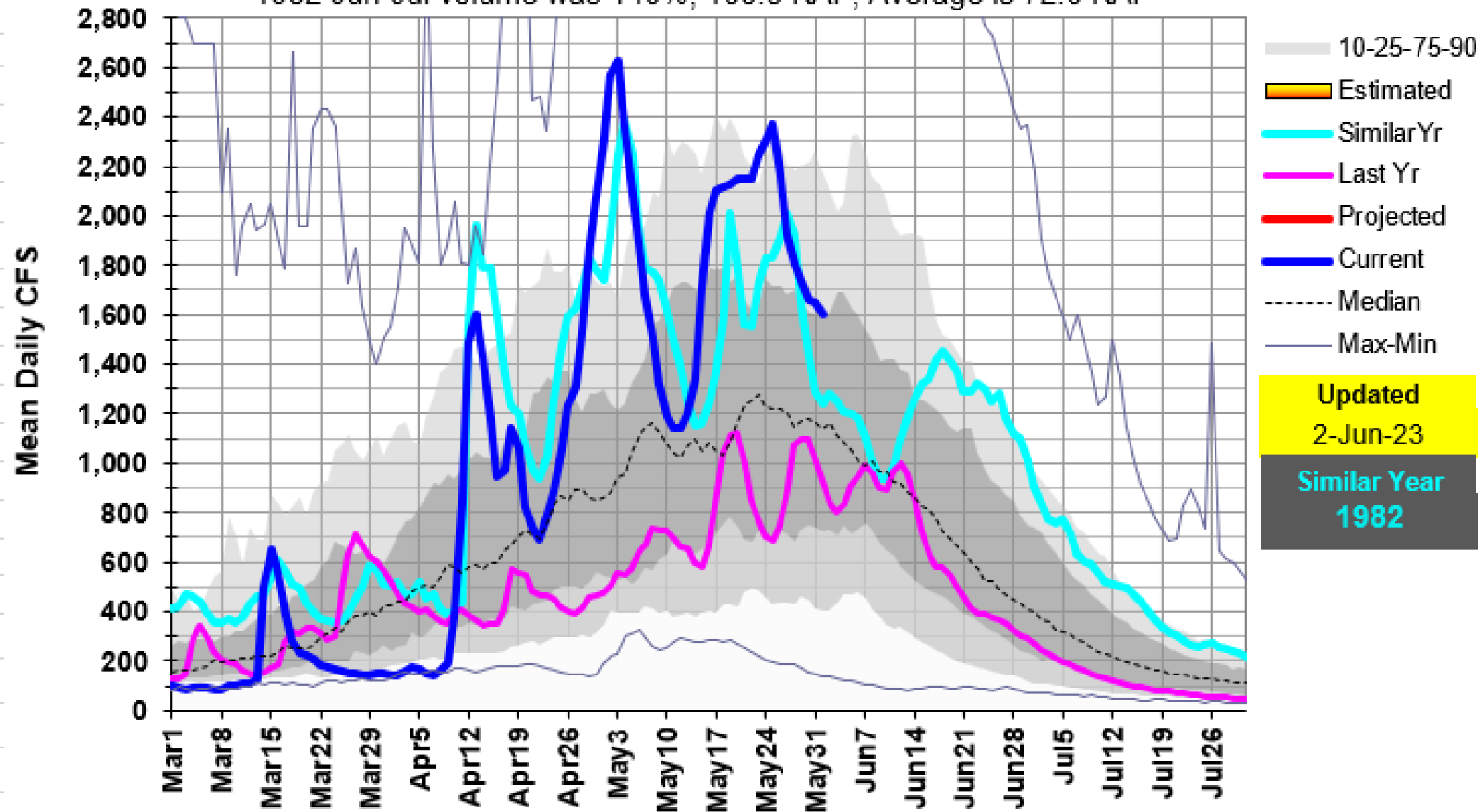


Owyhee is still flowing at 1500 cfs at beginning of June.

Repeat of 1982 since April 11.

13168500: Bruneau R near Hot Spring, ID

1982 Jun-Jul volume was 140%, 100.5 KAF, Average is 72.0 KAF



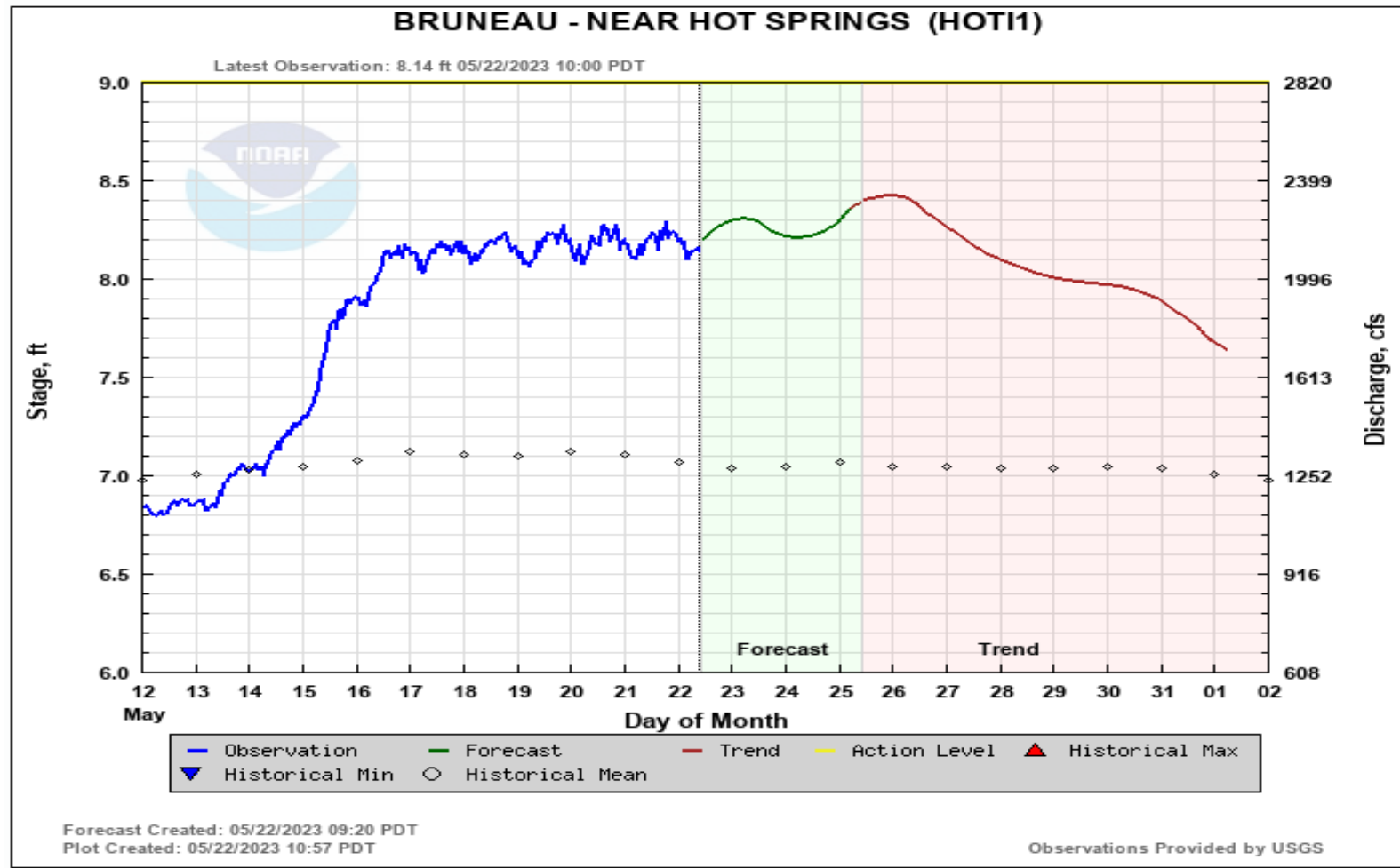
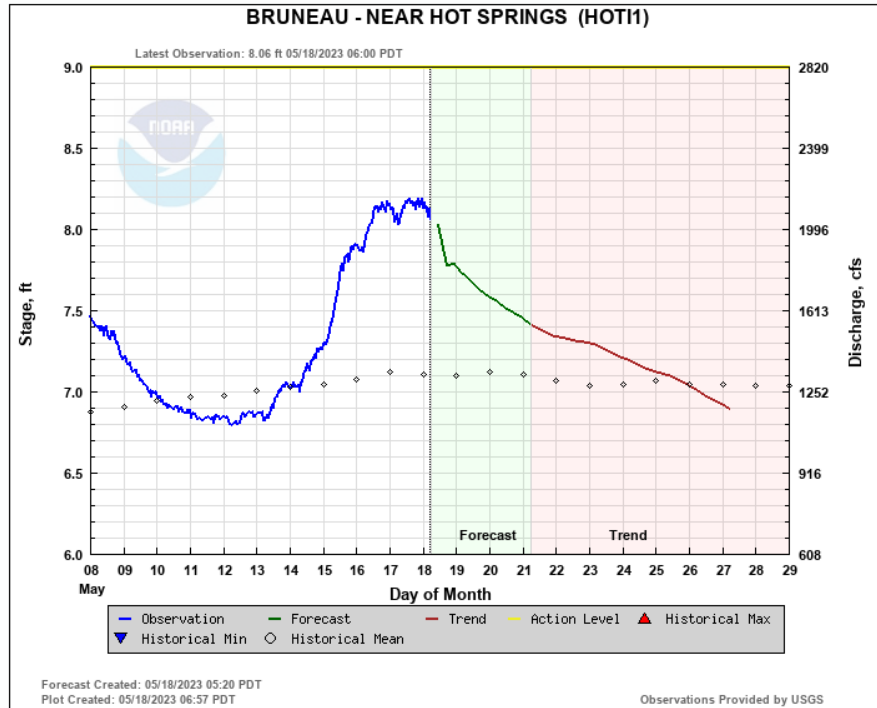
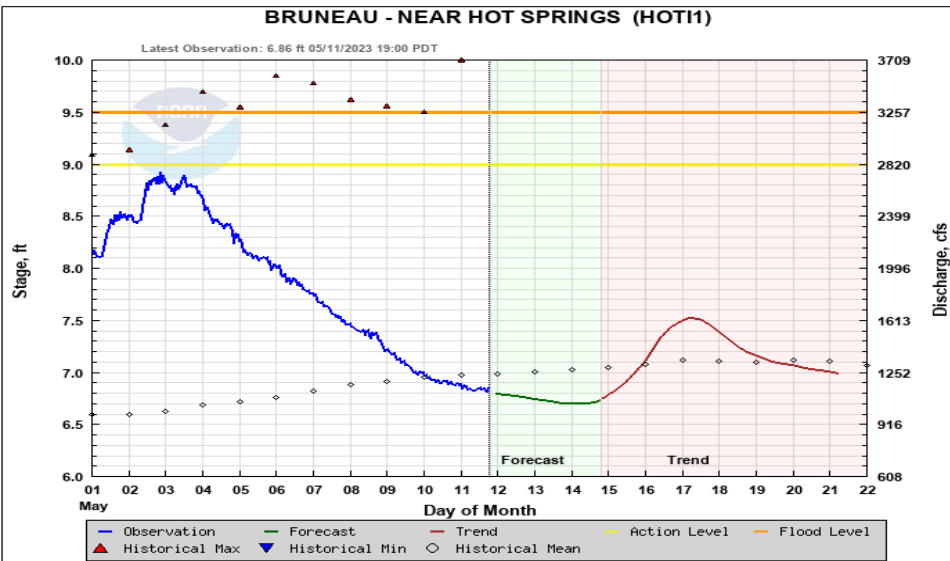
The Bruneau is at 1600 cfs and tracking 1982.

We'll see if June rains provide another increase.

Why its important to understand how much snow remains and snow2flow relationships in watersheds to produce/sustain flows.

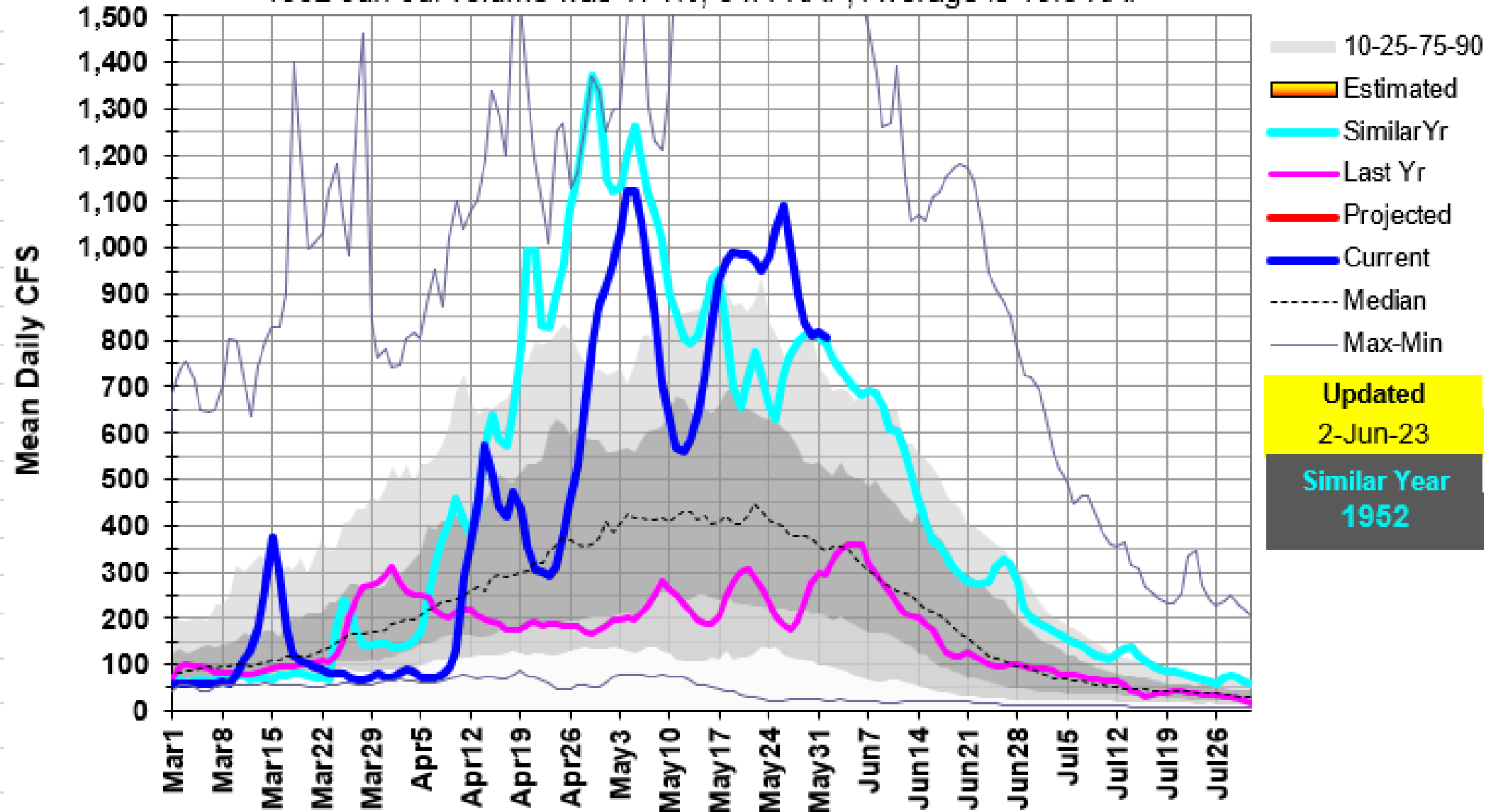
Left - May 12 & 18 Forecast & Trend runs.

Below May 22 run showing potential increase, possibly from rain (?), cooler temps arrived with yesterday's cold front.



13105000: Salmon Falls Ck near San Jacinto, NV

1952 Jun-Jul volume was 174%, 34.4 KAF, Average is 19.8 KAF

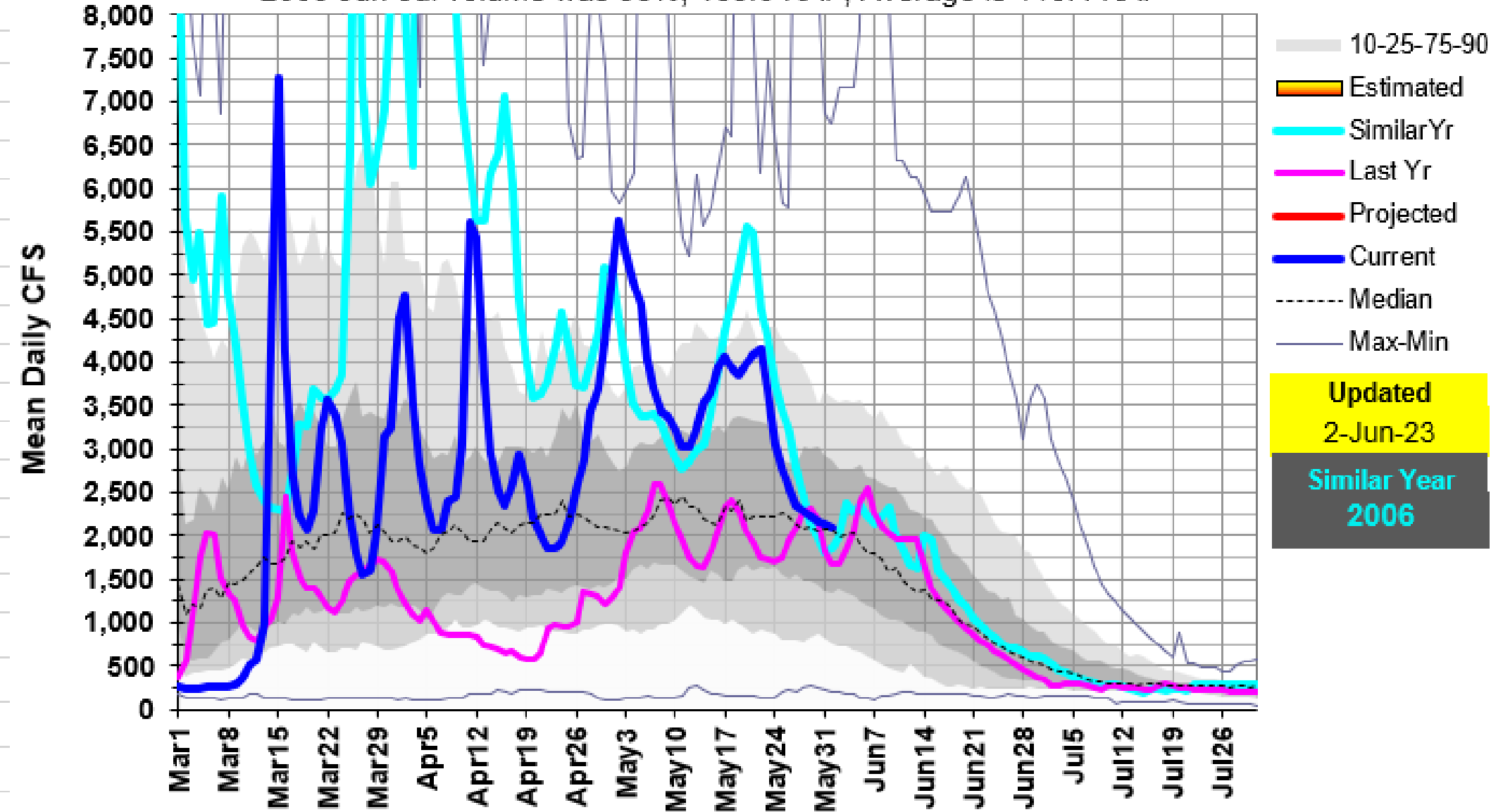


**Salmon
Falls Creek
is still
flowing at
800 cfs.**

**More rains
could push
recession
flows to
remain at
1952 levels.**

13266000: Weiser R near Weiser, ID

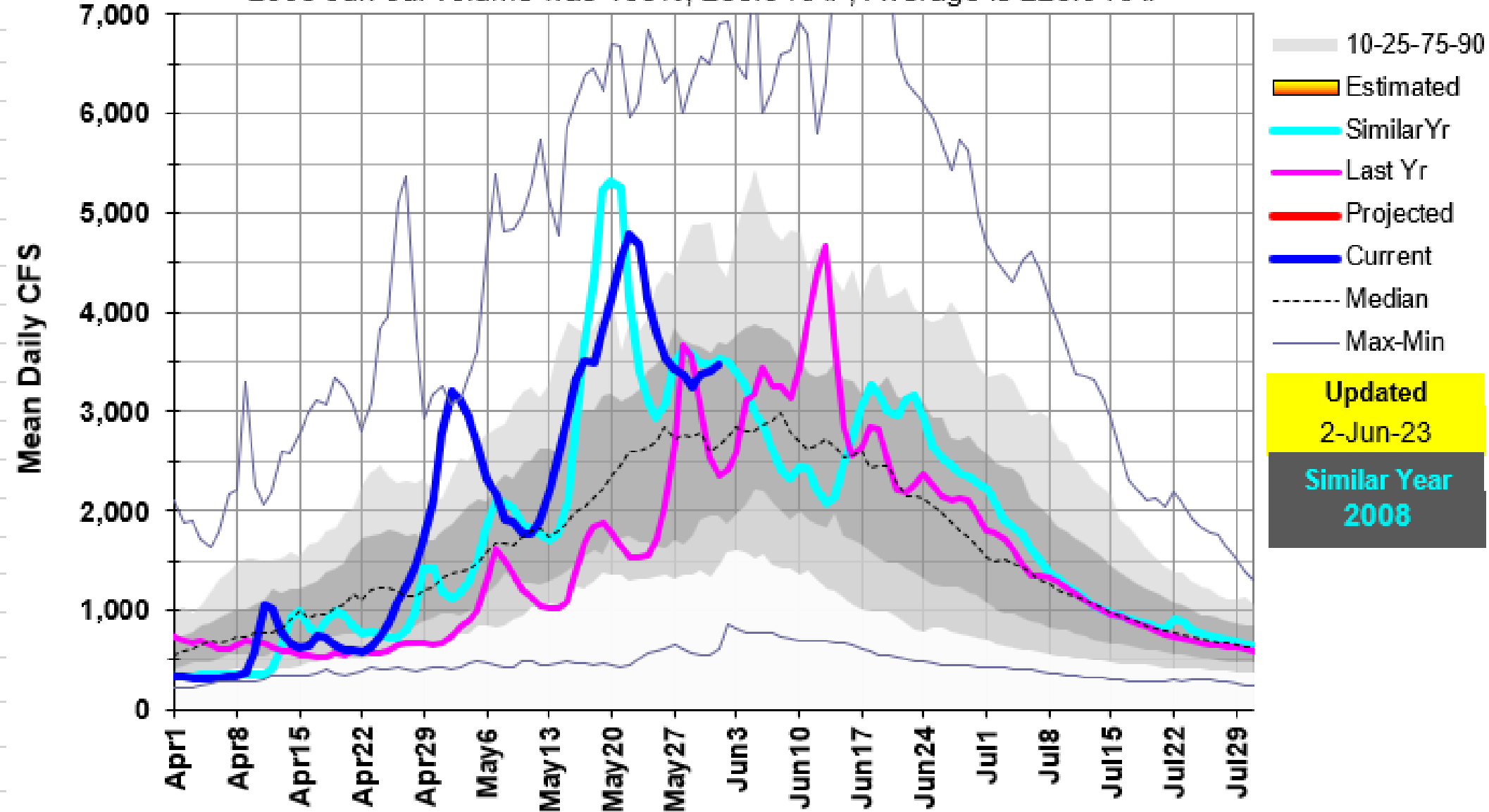
2006 Jun-Jul volume was 96%, 109.0 KAF, Average is 113.4 KAF



The Weiser
will be
flowing near
average as
the fiddlers
make music
down by the
river in
June.

13235000: SF Payette R at Lowman, ID

2008 Jun-Jul volume was 103%, 233.3 KAF, Average is 226.9 KAF

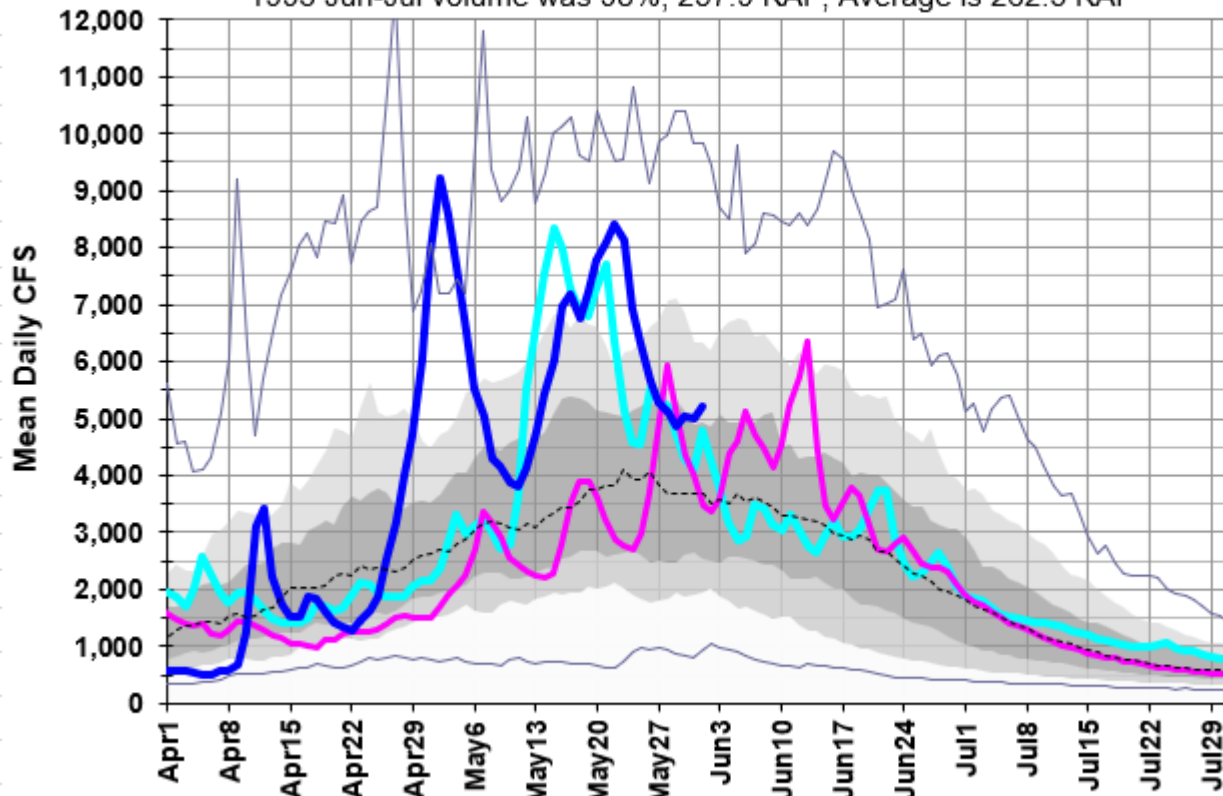


Fun summer
flows on the
Payette
system.

Still snow to melt in the higher Boise elevations.

13185000: Boise R near Twin Springs, ID

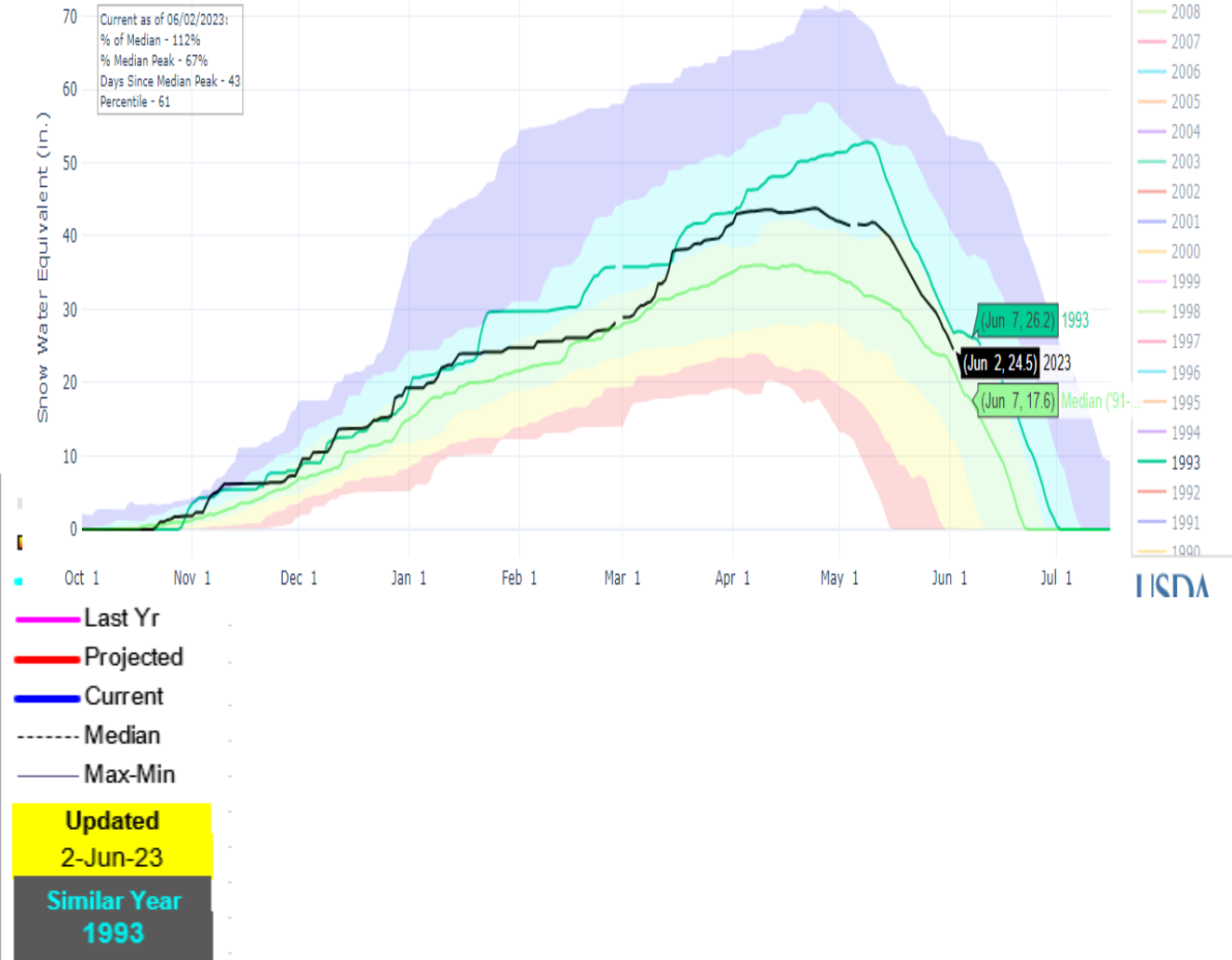
1993 Jun-Jul volume was 98%, 257.9 KAF, Average is 262.5 KAF



SNOW WATER EQUIVALENT AT TRINITY MTN.

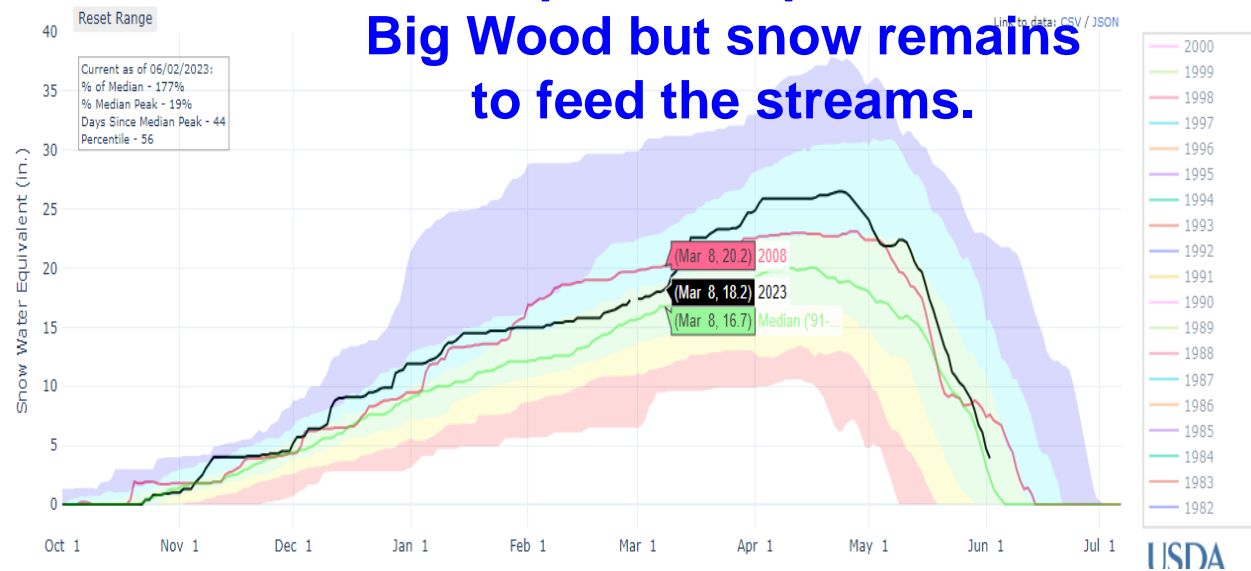
Reset Range

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

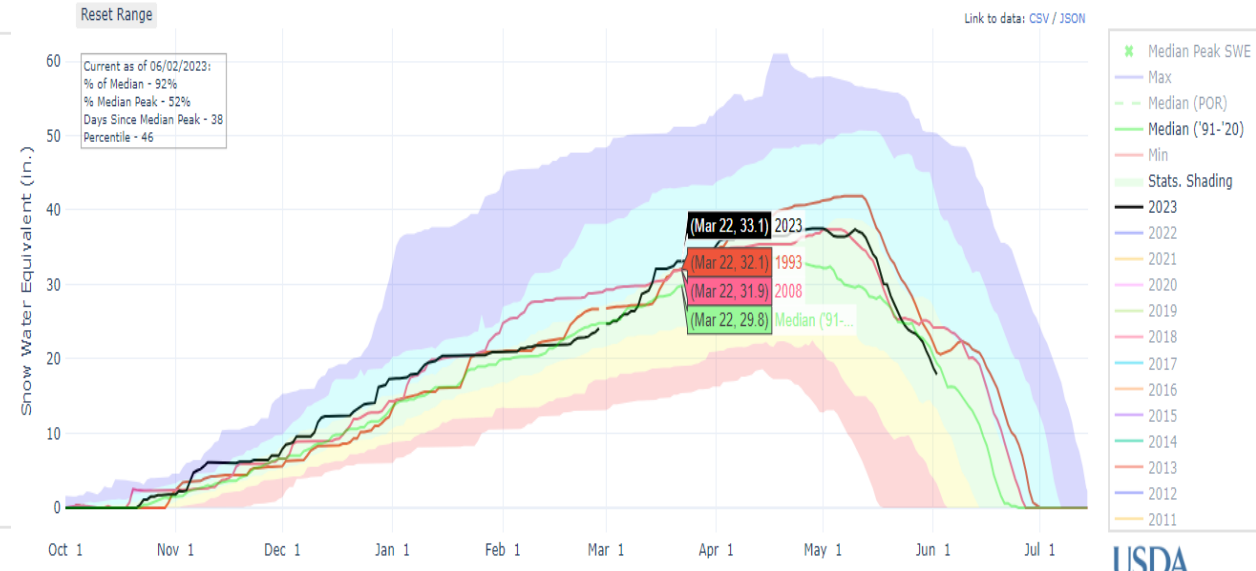


SNOW WATER EQUIVALENT AT GALENA SUMMIT

**Snow peak has past on the
Big Wood but snow remains
to feed the streams.**

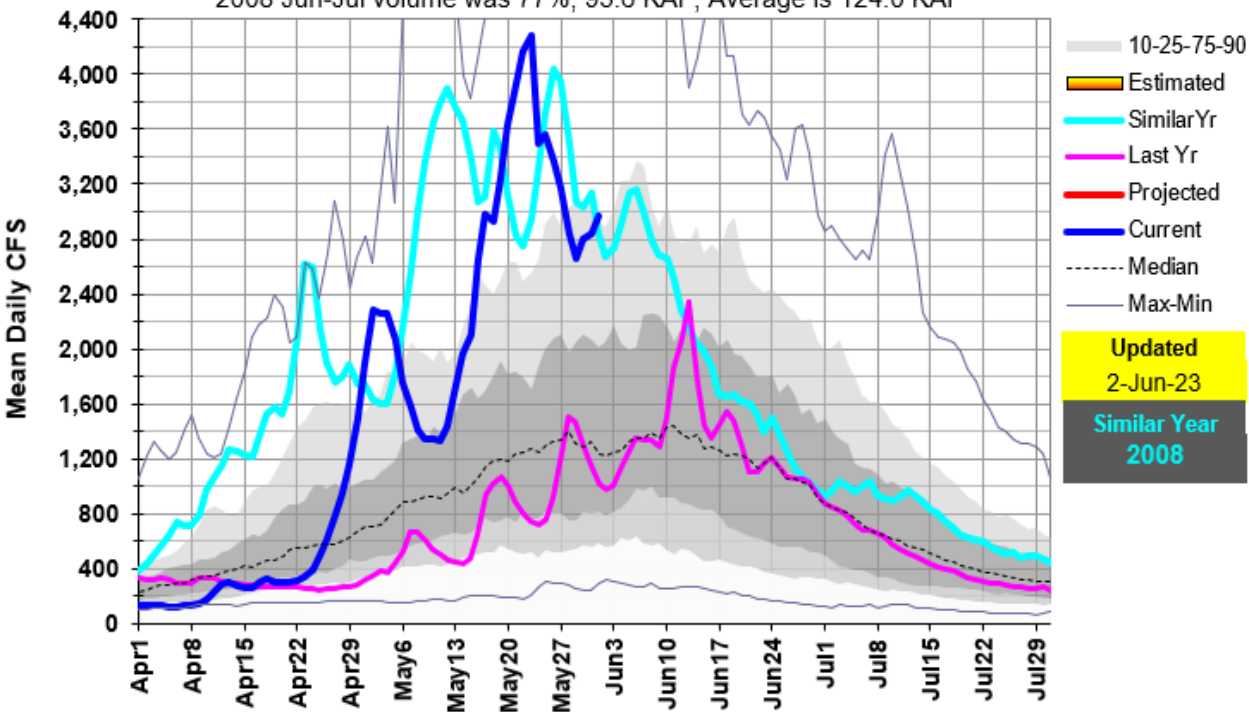


SNOW WATER EQUIVALENT AT VIENNA MINE

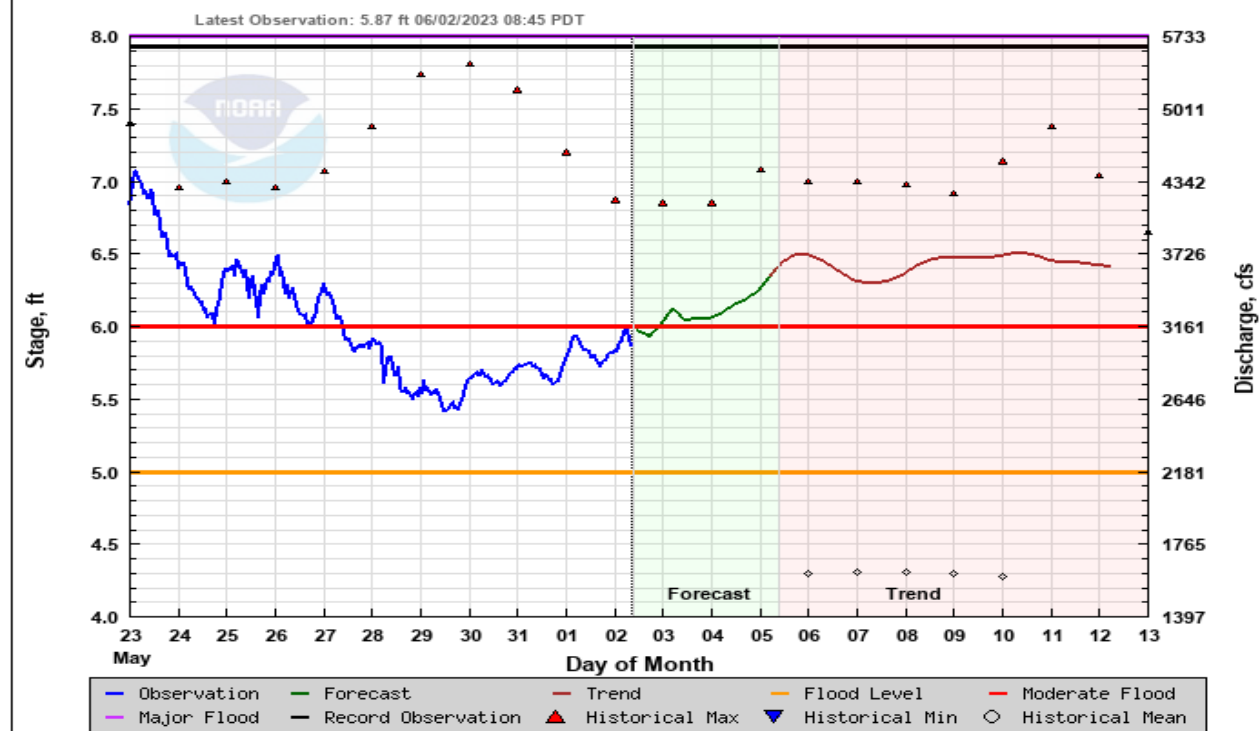


13139510: Big Wood R at Hailey, ID Total Flow

2008 Jun-Jul volume was 77%, 95.6 KAF, Average is 124.0 KAF



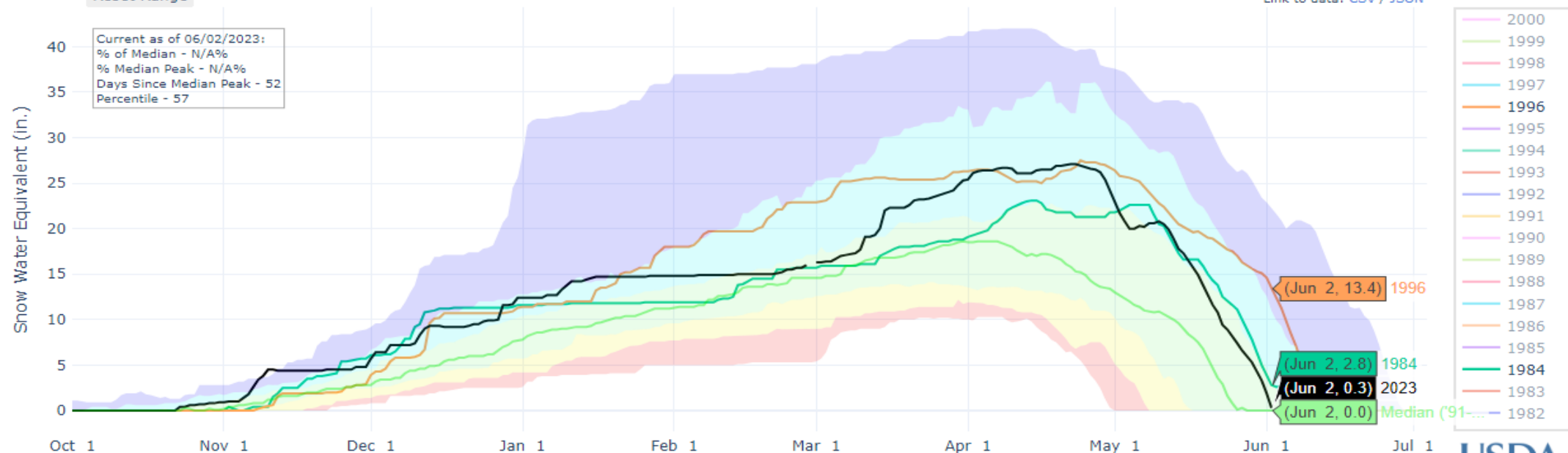
BIG WOOD - AT HALEY (HALI1)



SNOW WATER EQUIVALENT AT LOST-WOOD DIVIDE

Reset Range

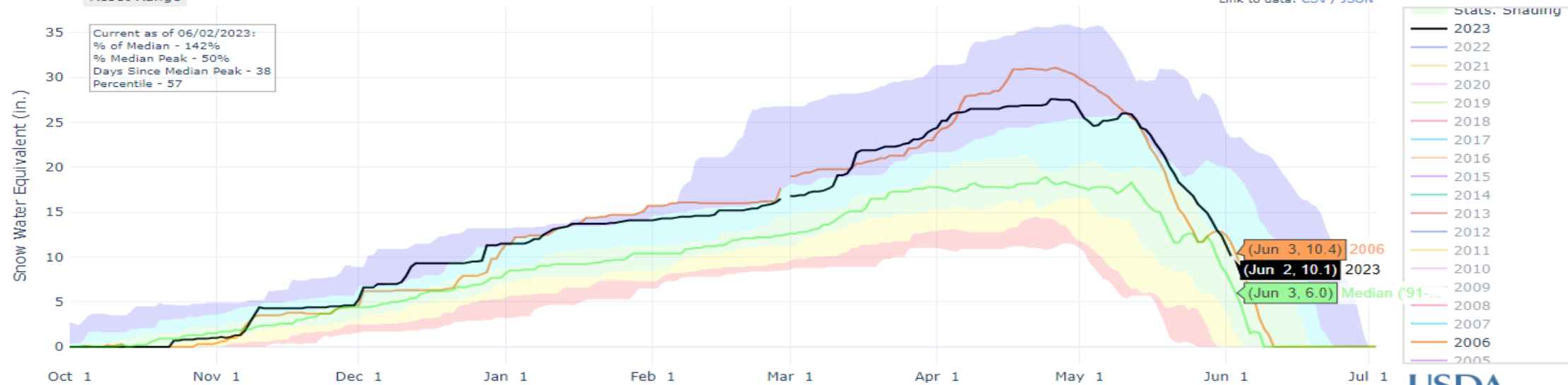
[Link to data: CSV / JSON](#)



SNOW WATER EQUIVALENT AT SMILEY MOUNTAIN

Reset Range

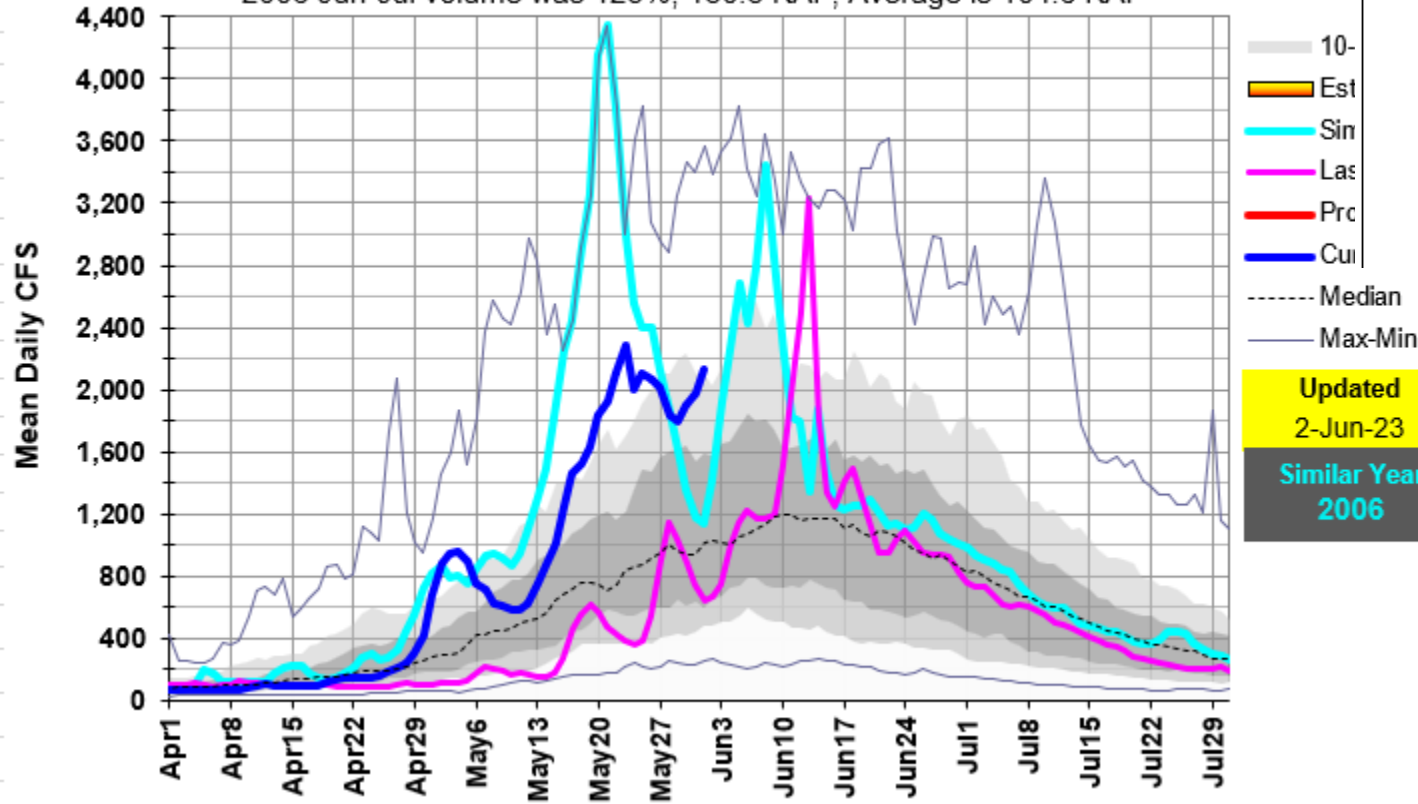
[Link to data: CSV / JSON](#)



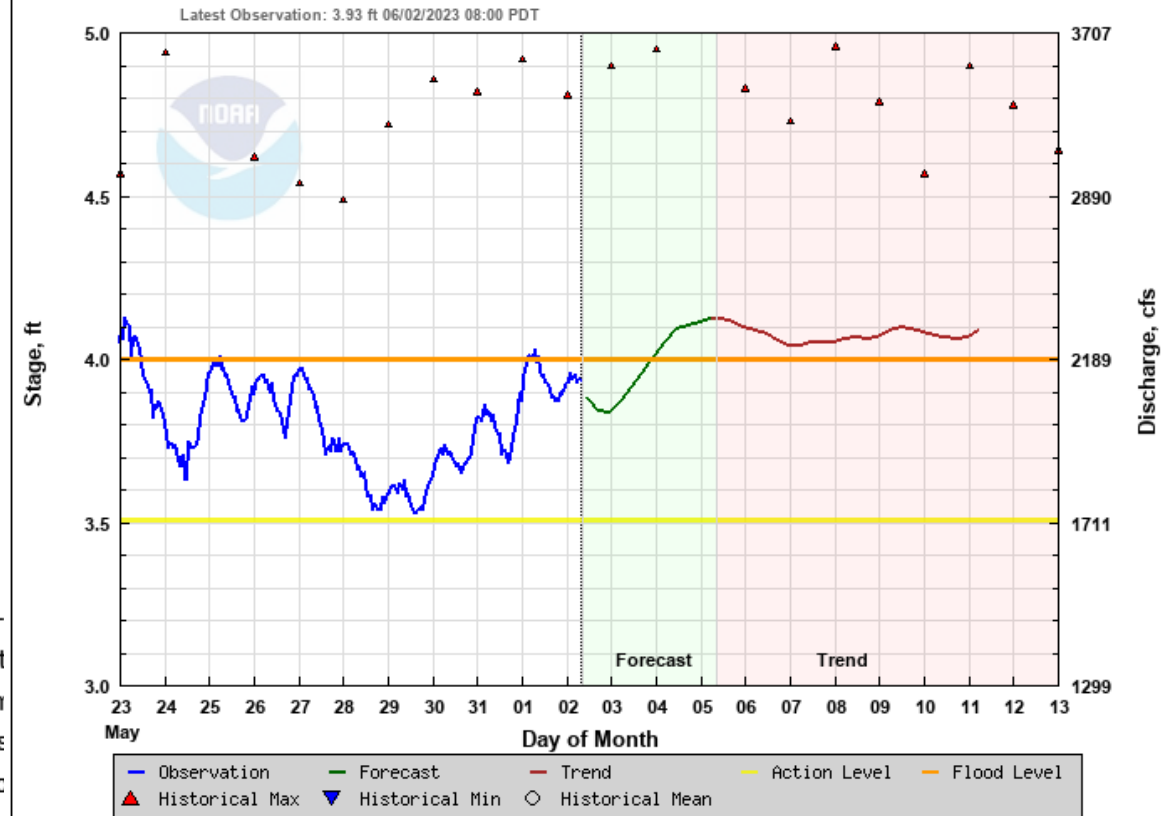
With Lost-Wood Divide melted out,
Smiley Mnt half melted, and the Big Lost
White Stallion fading away, means the
snowmelt peak just happened or is to
happening. Enjoy the flow !

13120500: Big Lost R at Howell Ranch near Chilly, ID

2006 Jun-Jul volume was 125%, 130.3 KAF, Average is 104.6 KAF



BIG LOST - AT HOWELL RANCH NEAR CHILLY (HWR11)

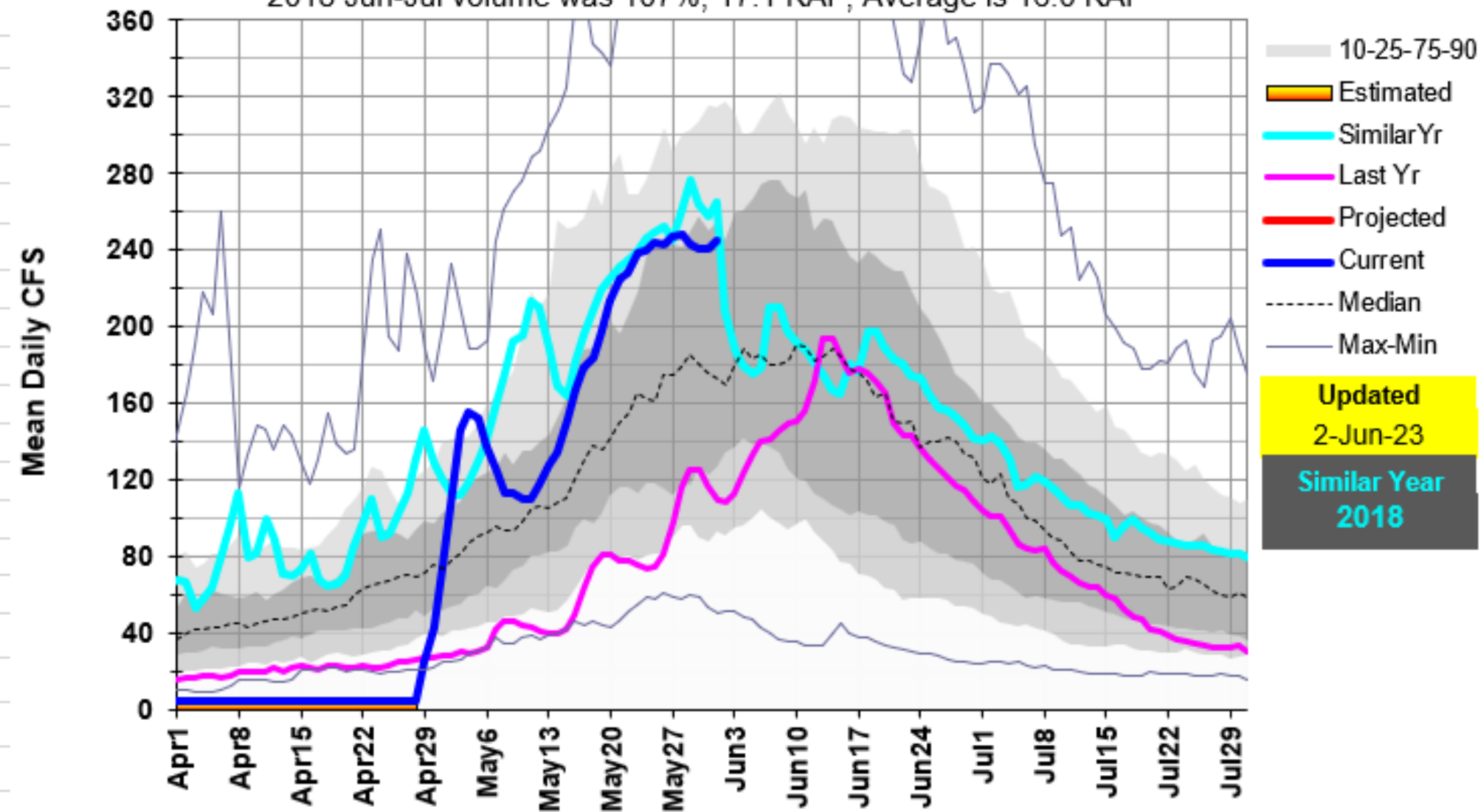


Updated
2-Jun-23

Similar Year
2006

13118700: Little Lost R below Wet Ck near Howe, ID

2018 Jun-Jul volume was 107%, 17.1 KAF, Average is 16.0 KAF



A cold winter kept the water frozen in the basin until late April.

SNOW WATER EQUIVALENT GRAND TARGHEE

Reset Range

Current as of 06/02/2023:
% of Median - 83%
% Median Peak - 64%
Days Since Median Peak - 32
Percentile - 25

TETON RIVER AND GRAND TARGHEE SNOTEL SITE

On average, peak streamflow for the Teton River above Leigh Creek near Driggs, Idaho occurs when Grand Targhee SNOTEL is 50% melted (half-melt).

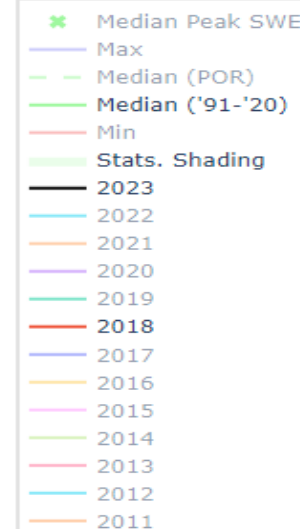
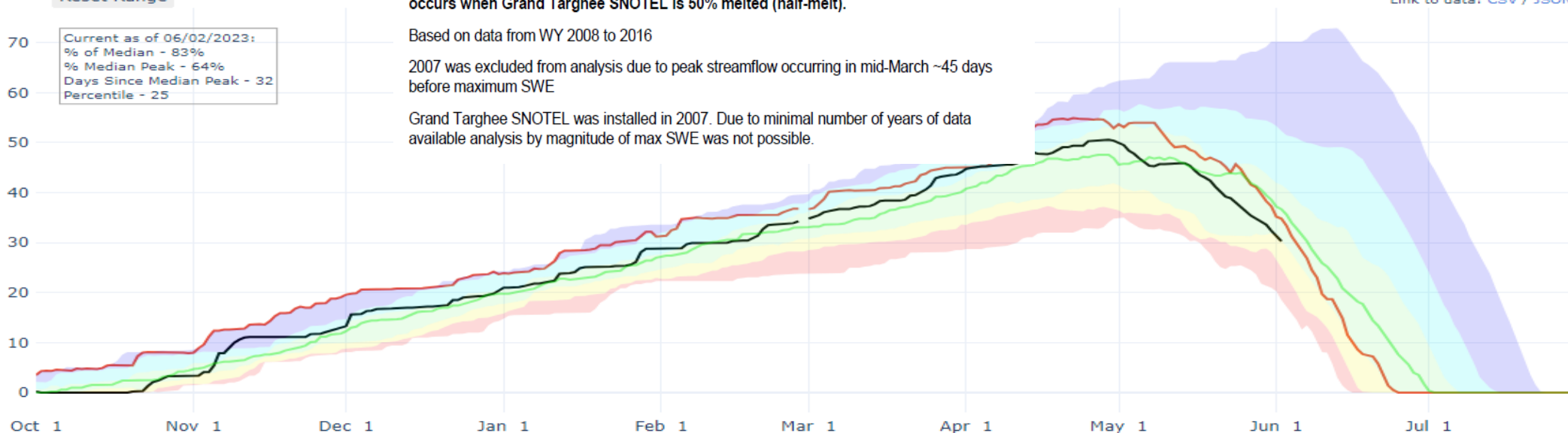
Based on data from WY 2008 to 2016

2007 was excluded from analysis due to peak streamflow occurring in mid-March ~45 days before maximum SWE

Grand Targhee SNOTEL was installed in 2007. Due to minimal number of years of data available analysis by magnitude of max SWE was not possible.

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

Snow Water Equivalent (in.)



USDA

SNOW WATER EQUIVALENT AT PHILLIPS BENCH

Reset Range

Current as of 06/02/2023:
% of Median - 87%
% Median Peak - 26%
Days Since Median Peak - 41
Percentile - 43

TETON RIVER AND PHILLIPS BENCH SNOTEL SITE

On average, peak streamflow for the Teton River above Leigh Creek near Driggs, Idaho occurs zero to 5 days AFTER Phillips Bench SNOTEL has completely melted out.

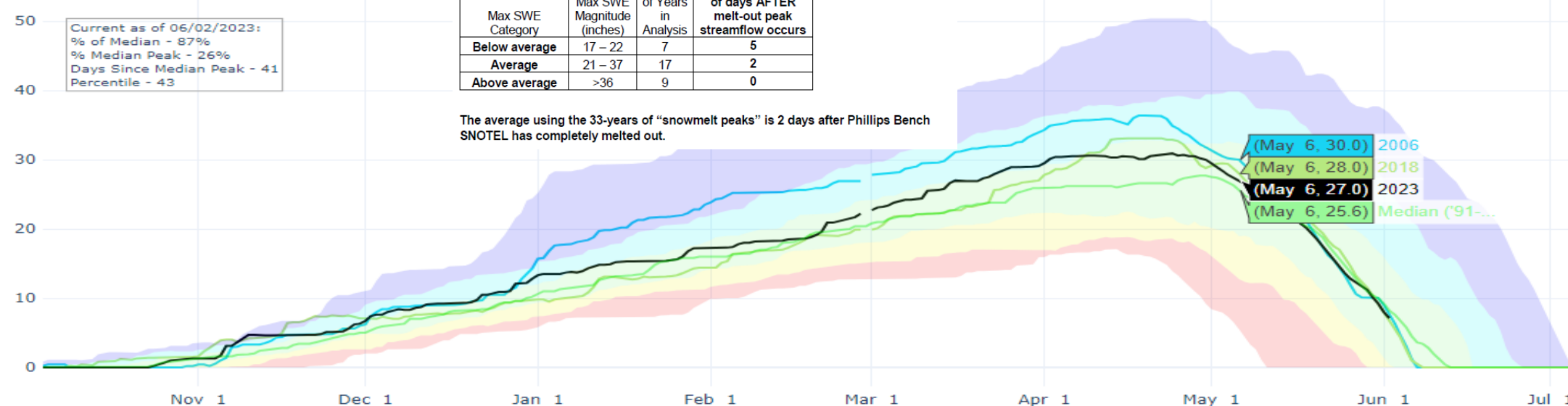
Summary of years using only "snowmelt peak" and categorized by max SWE magnitude.

Max SWE Category	Max SWE Magnitude (inches)	Number of Years in Analysis	Average number of days AFTER melt-out peak streamflow occurs
Below average	17 - 22	7	5
Average	21 - 37	17	2
Above average	>36	9	0

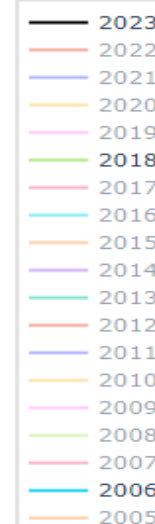
The average using the 33-years of "snowmelt peaks" is 2 days after Phillips Bench SNOTEL has completely melted out.

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

Snow Water Equivalent (in.)



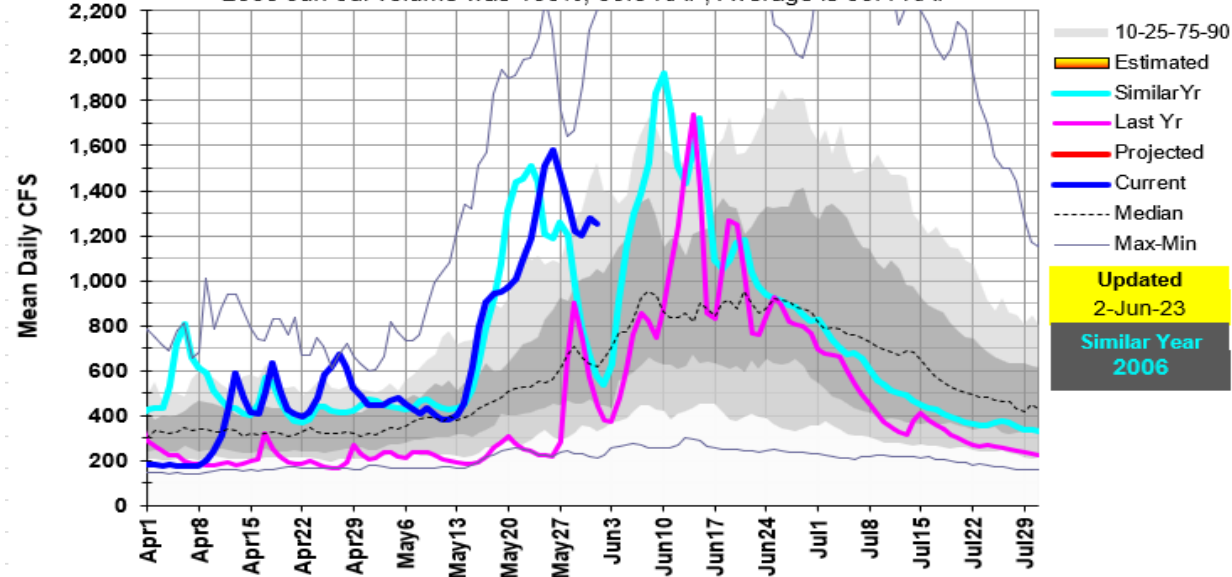
(May 6, 30.0) 2006
(May 6, 28.0) 2018
(May 6, 27.0) 2023
(May 6, 25.6) Median ('91-...)



USDA

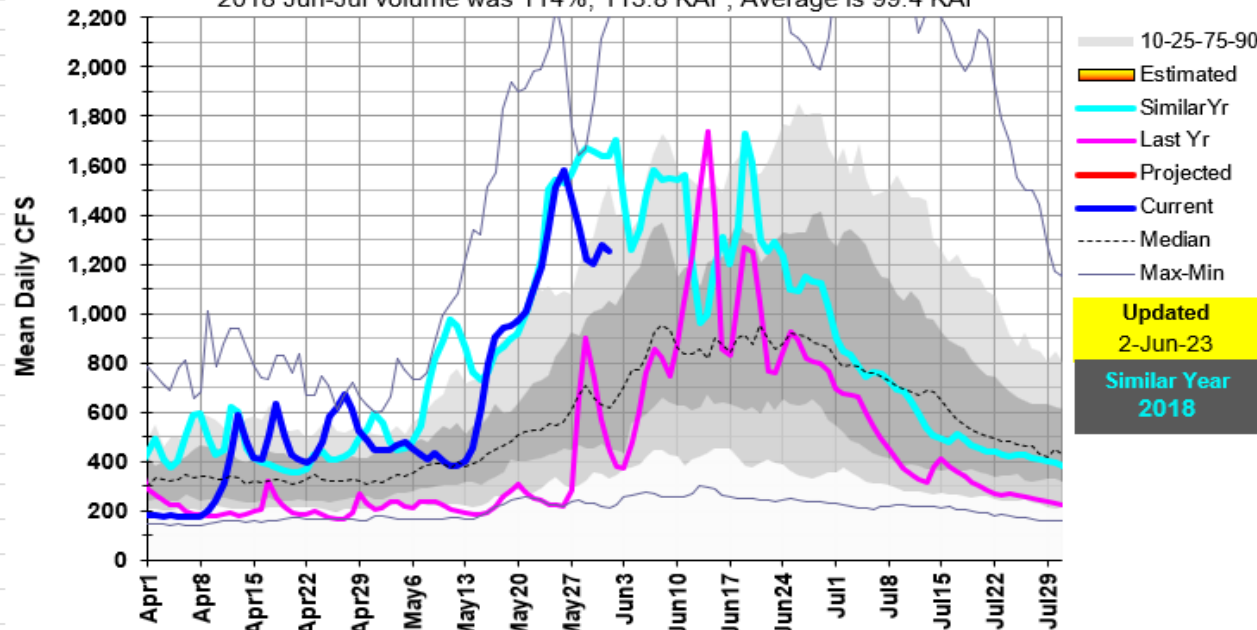
13052200: Teton R above South Leigh Ck near Driggs, ID

2006 Jun-Jul volume was 100%, 99.3 KAF, Average is 99.4 KAF



13052200: Teton R above South Leigh Ck near Driggs, ID

2018 Jun-Jul volume was 114%, 113.8 KAF, Average is 99.4 KAF



There's still time to catch the snowmelt peak on the Teton River with Grand Targhee approaching half melt, and Phillips Bench nearing meltout. Time will tell if this peak exceeds the previous peak.

TETON - AB S. LEIGH CR NR DRIGGS (DGGI1)

Latest Observation: 3.26 ft 06/02/2023 09:00 PDT

