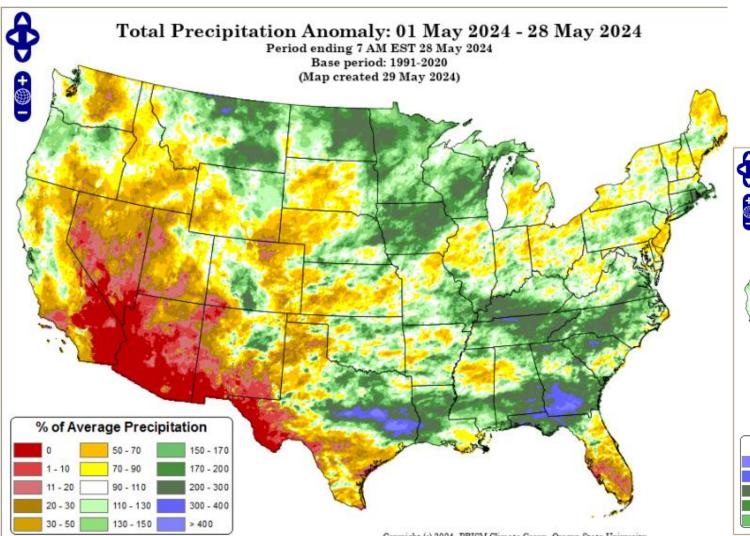
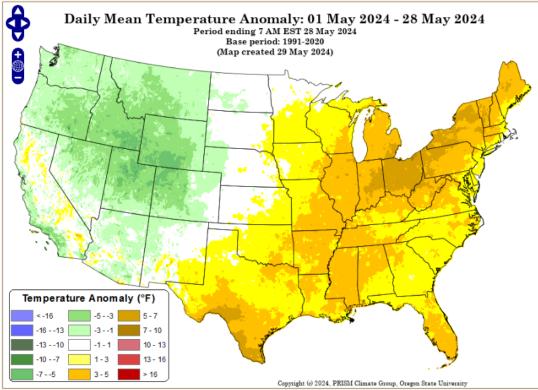
May 30, 2024 Snow2Flow Update for MF & Main Salmon Rivers

May 1-28 Total Precipitation ranges from 50-100% of normal across the state.

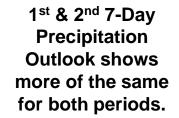


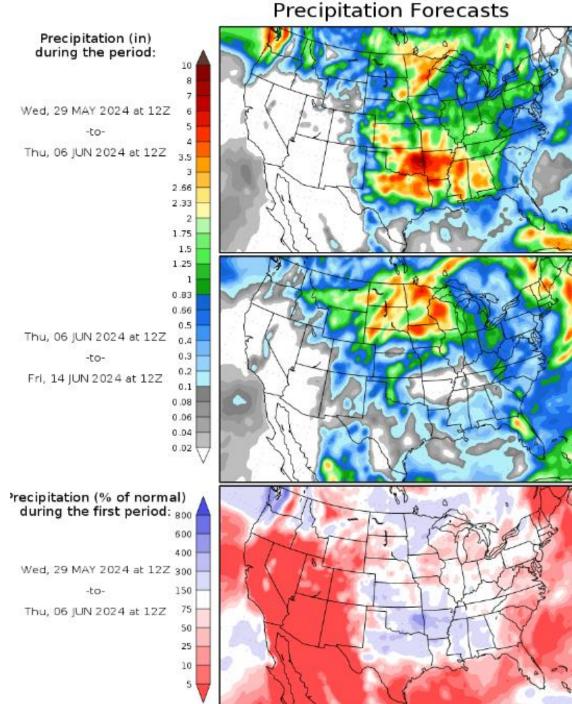
May 1-28 Daily Mean Temperatures remained below normal for month

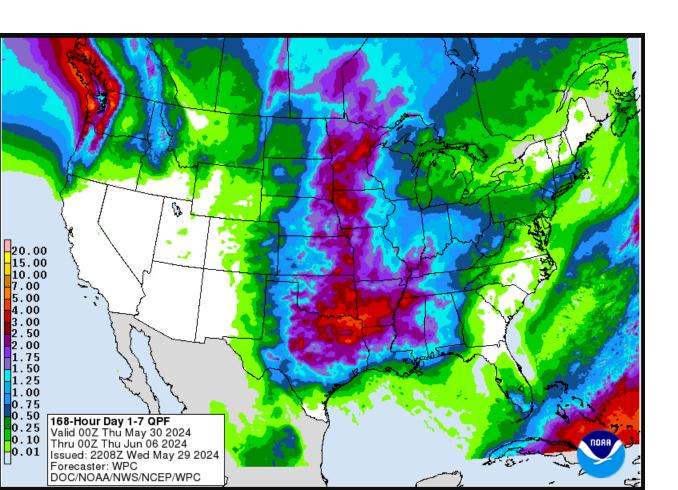


Current / Future Weather to see what's happening.

7-Day Total Precipitation Forecast for May 30-Jun 6 shows some moisture in central & northern Idaho.







Current conditions at Stanley, Stanley Ranger Station (KSNT) Lat: 44.20881°N Lon: 114.93444°W Elev: 6498.0ft.

Humidity 43% Wind Speed N 4 MPH Barometer 30.22 in (1023.37 mb) Dewpoint 24°F (-4°C) Visibility NA Wind Chill 43°F (6°C)

Last update 30 May 09:51 AM MDT

More Information: Local Forecast Office More Local Wx 3 Day History

Hourly Weather Forecast

Extended Forecast for 16 Miles WNW Stanley ID

Today

Tonight

Mostly Clear

Mostly clear, with a low around 37.

Wednesday Sunny, with a high near 69.





Detailed Forecast

Tuesday Night



High: 61 °F Sunny



Friday

Low: 32 °F Mostly Clear

Friday Night



Saturday

High: 64 °F Partly Sunny



Low: 36 °F Mostly Cloudy



Saturday Night

High: 60 °F Mostly Sunny

Sunday





Sunday Night

High: 59 °F Mostly Cloudy

Chance Showers

Monday

Today Sunny, with a high near 53. West wind 5 to 9 mph. Mostly clear, with a low around 27. West northwest wind 5 to 8 mph becoming calm in the evening. Sunny, with a high near 61. Calm wind becoming west southwest 5 to 7 mph in the afternoon. Mostly clear, with a low around 32. West southwest wind around 6 mph becoming calm in the evening. Partly sunny, with a high near 64. Light and variable wind becoming west southwest 5 to 9 mph in the afternoon. Winds could gust as high as 18 mph. Mostly cloudy, with a low around 36. Saturday Night Mostly sunny, with a high near 60. Sunday Night Mostly cloudy, with a low around 40. A chance of showers, with thunderstorms also possible after noon. Mostly cloudy, with a high near 59. Chance of Monday Night A chance of showers and thunderstorms before midnight, then a slight chance of showers. Snow level 11300 feet lowering to 9500 feet after midnight. Mostly cloudy, with a low around 36. Chance of precipitation is 50%. Partly sunny, with a high near 60 Tuesday

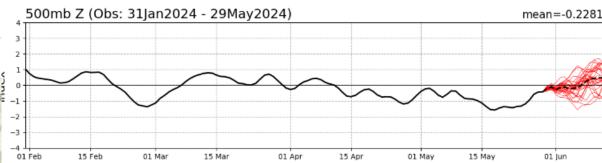


ABOUT THIS FORECAST

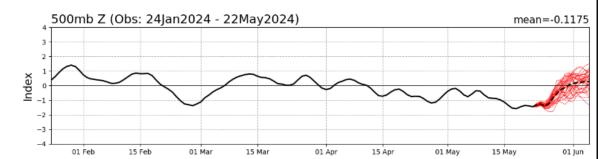
May 30 Banner Summit - NWS Forecast shows temps pushing 60F and above freezing night temps with a chance of rain next week.

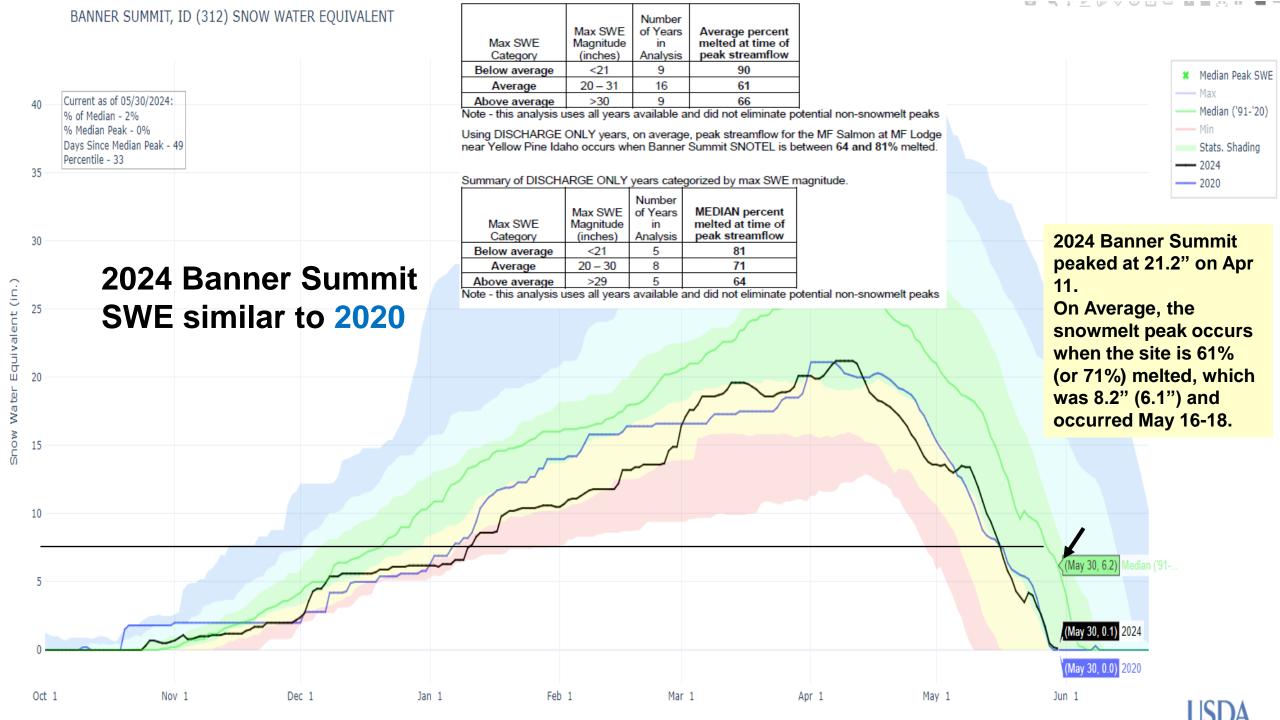
PNA tracking near zero line but not as positive in early June as pervious run was trending.

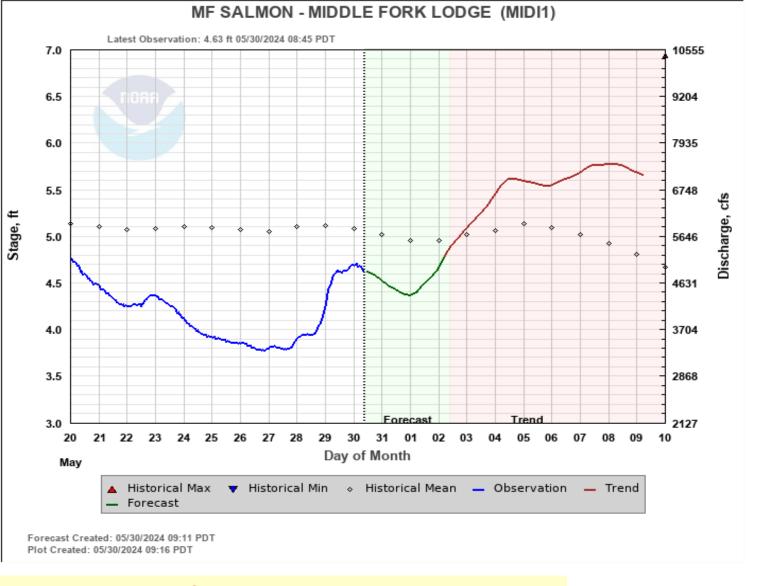
PNA Index: Observed & GEFS Forecasts



PNA Index: Observed & GEFS Forecasts







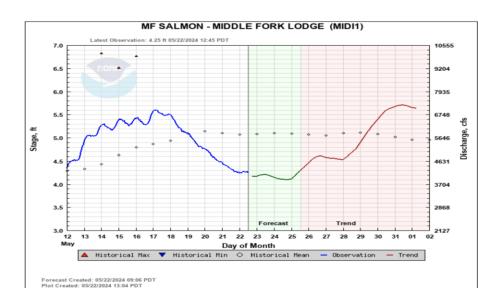
Keep in mind the Snow2Flow Relationship is based on snowmelt relationship with snowmelt peak flows.

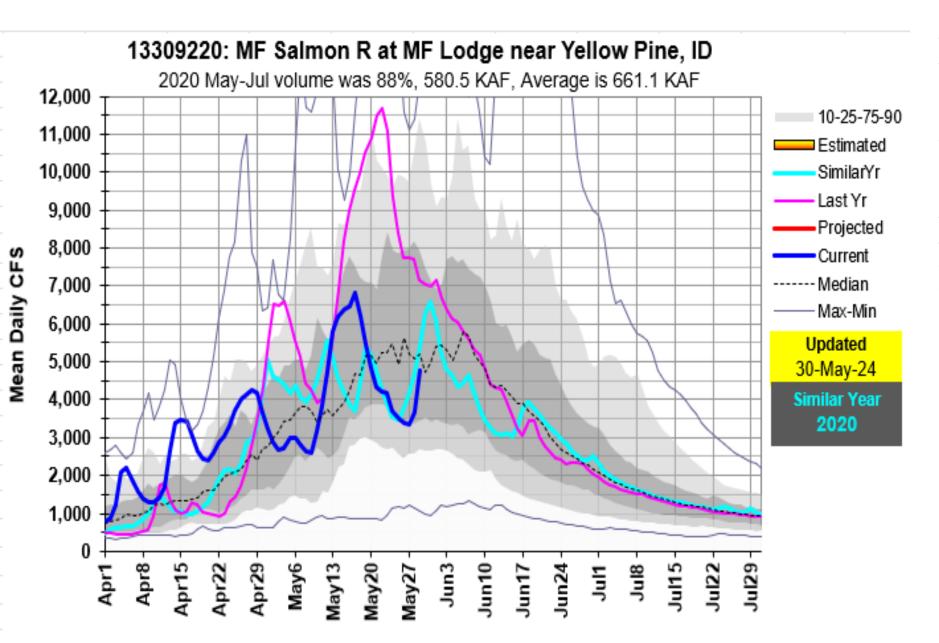
Any given day with rain or hot temps can generate additional peaks or a higher peak for the season.

May 30 NWS Forecast & Trend shows another increase with return of warm temps.

There is enough remaining snow to generate another peak. The question remains – will next increase be less, equal or greater than the previous high peak on May 17 of 6820 mean daily CFS.

Previous run below from May22 to show changes.

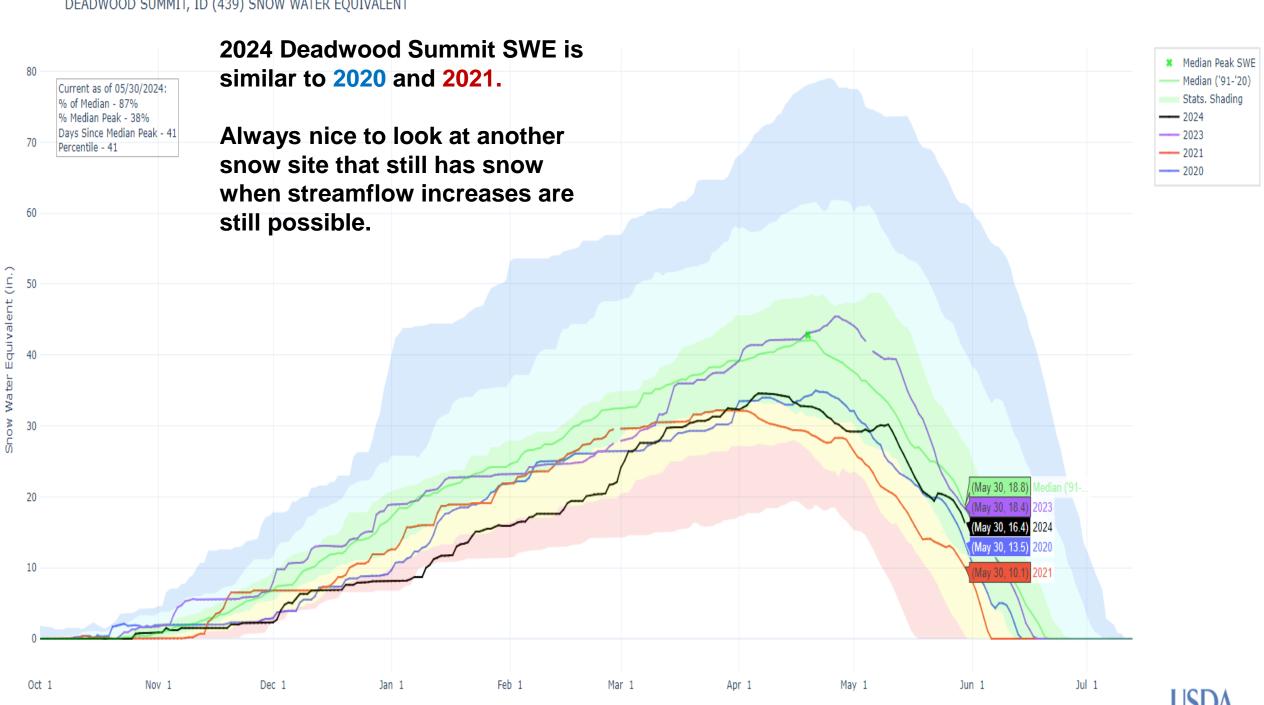


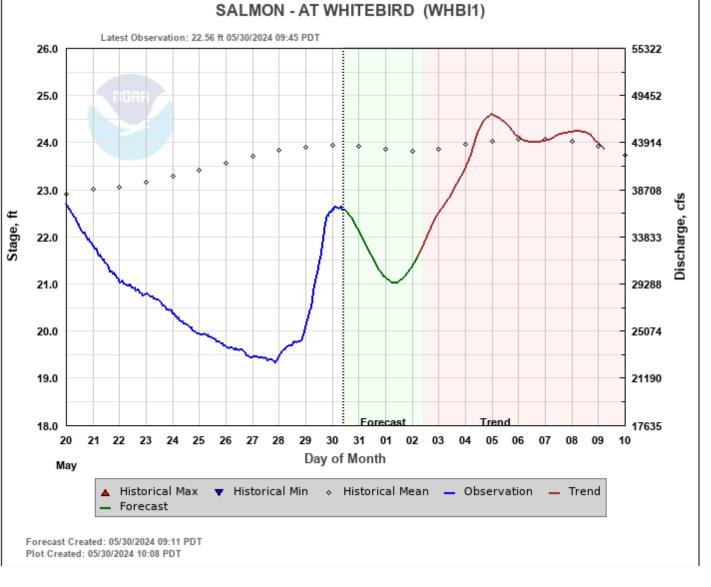


MF Salmon River Runoff for 2020, a similar snow year. 2024 May-Jul Volume Runoff Forecast is for 495 KAF.

2020 – Runoff Volume was 580 KAF

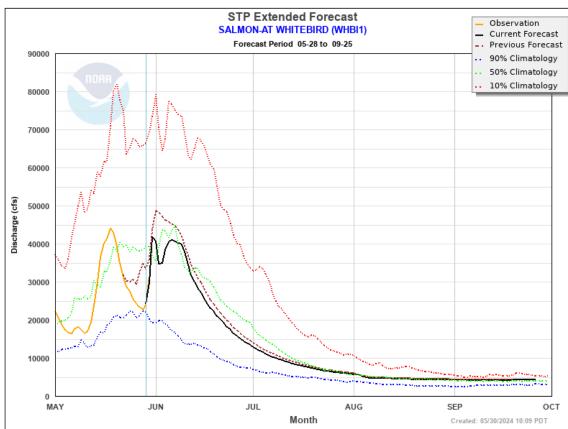
2024 flow pattern is similar to 2020. Combined with similar snow year, this should be a good flow pattern to watch until more is learned after full recession flows occur.

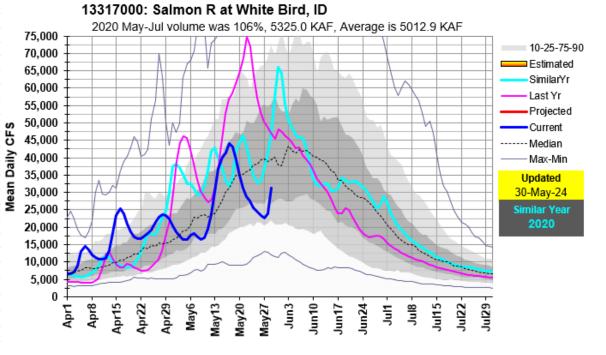


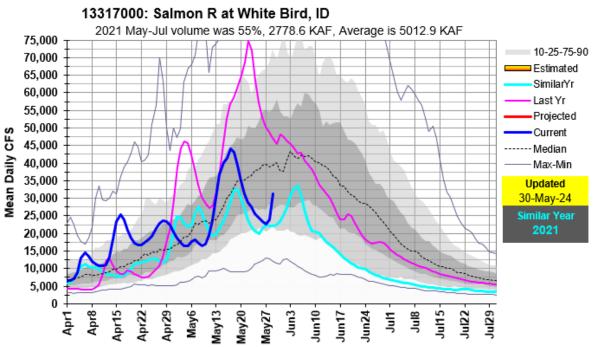


May 30 NWS Whitebird Forecast & Trend shows another dip and peak as flows responds to changes in snowmelt rates that are driven by day & night air temps.

Nice to look at the big picture, full season, and the STP Extended Forecast shows full recession flows starting soon.







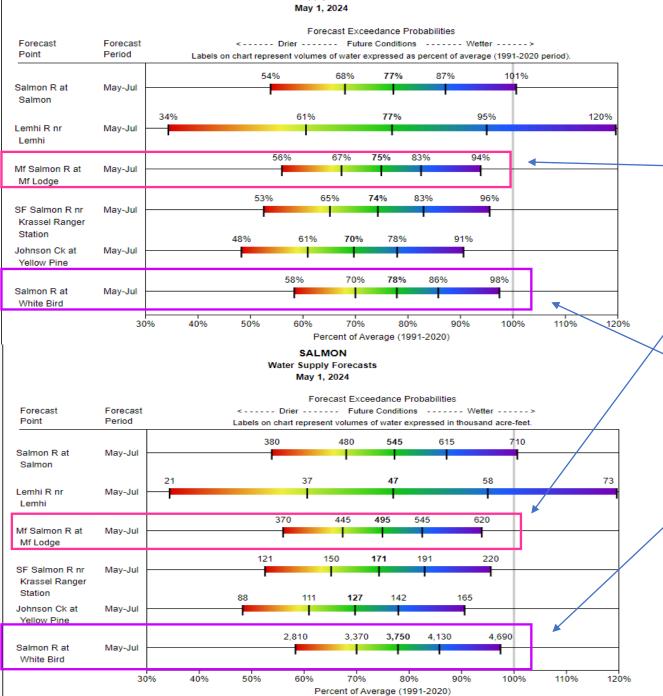
Salmon River at White Bird Runoff for similar snow years. 2024 May-Jul Runoff Volume Forecast is 3750 KAF.

2020 May-Jul Runoff Volume was 5325 KAF.

2021 May-Jul Runoff Volume was 2778 KAF.

Interesting comparison of these two similar snow years and resulting streamflow/peaks.

With this year's May-July Runoff Volume forecast in between these two years, it probably a safe bet this year's flows will be between these years. SALMON Water Supply Forecasts



May 1, 2004 MF & Salmon Rivers Streamflow Forecasts

MF Salmon River May-Jul Volume Streamflow Forecast 75% of avg, 495 KAF with a range of 370 to 620 KAF

Salmon River at White Bird May-Jul Volume Streamflow Forecast 78% of avg, 3750 KAF with a range of 2810 to 4690 KAF