

Snow 2 Flow Summary April 28, 2025

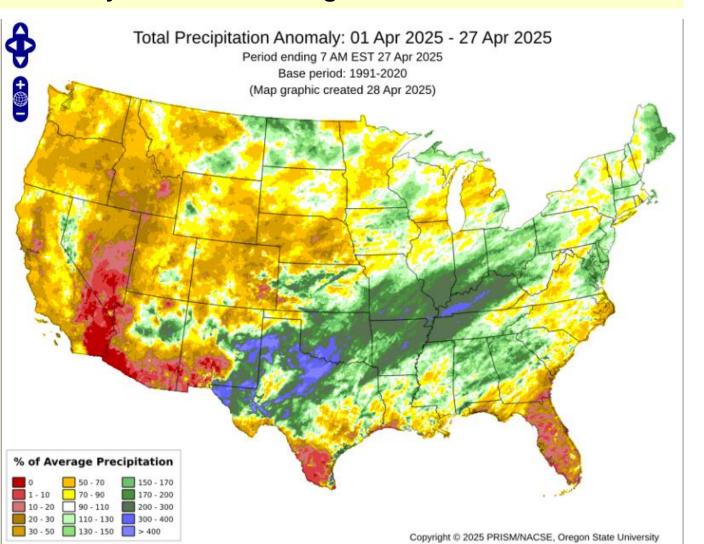
Where's the Snow?

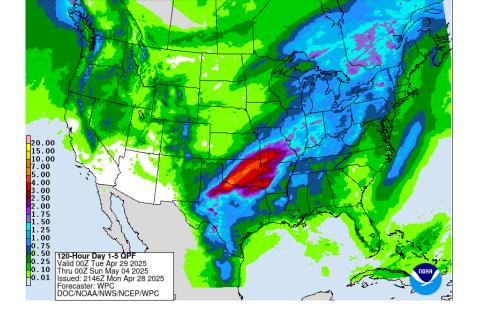
Snow2Flow Update for:

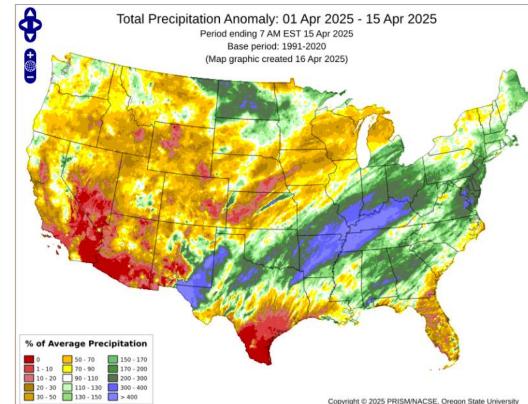
MF, Main Salmon Rivers Selway & Lochsa

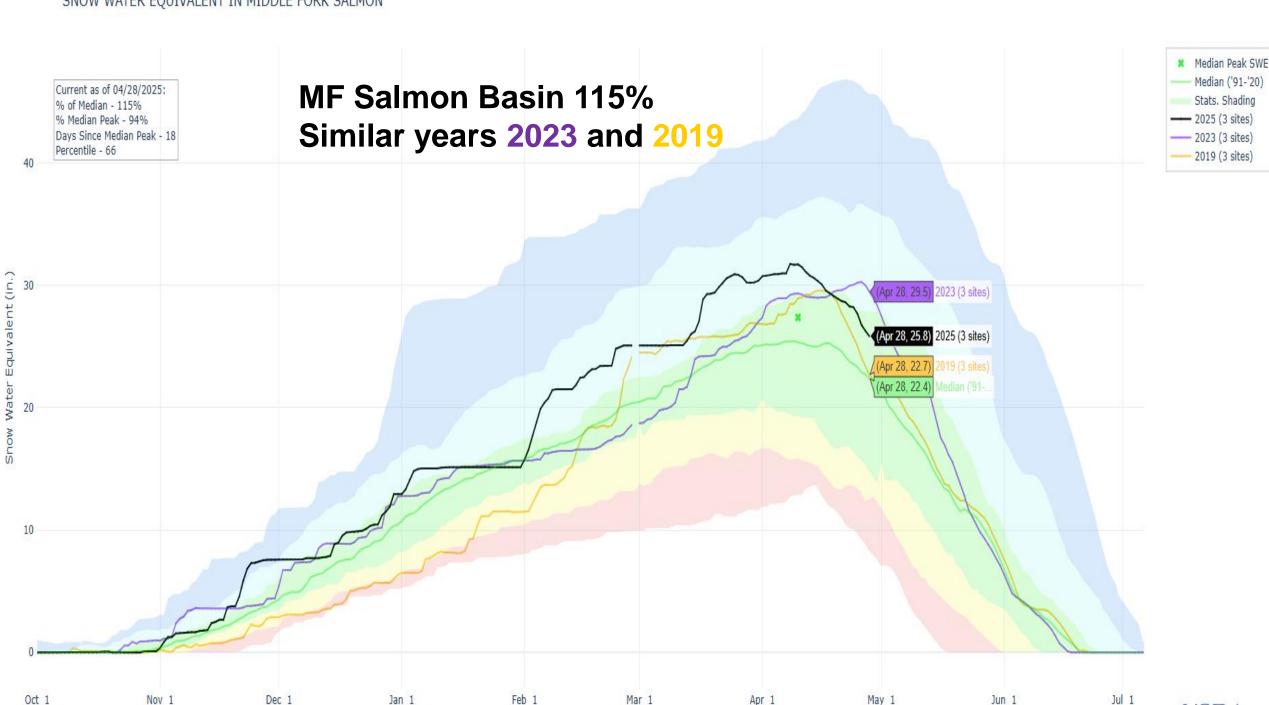
And a few more:
Owyhee,
Camas Creek and
Salmon Falls Creek

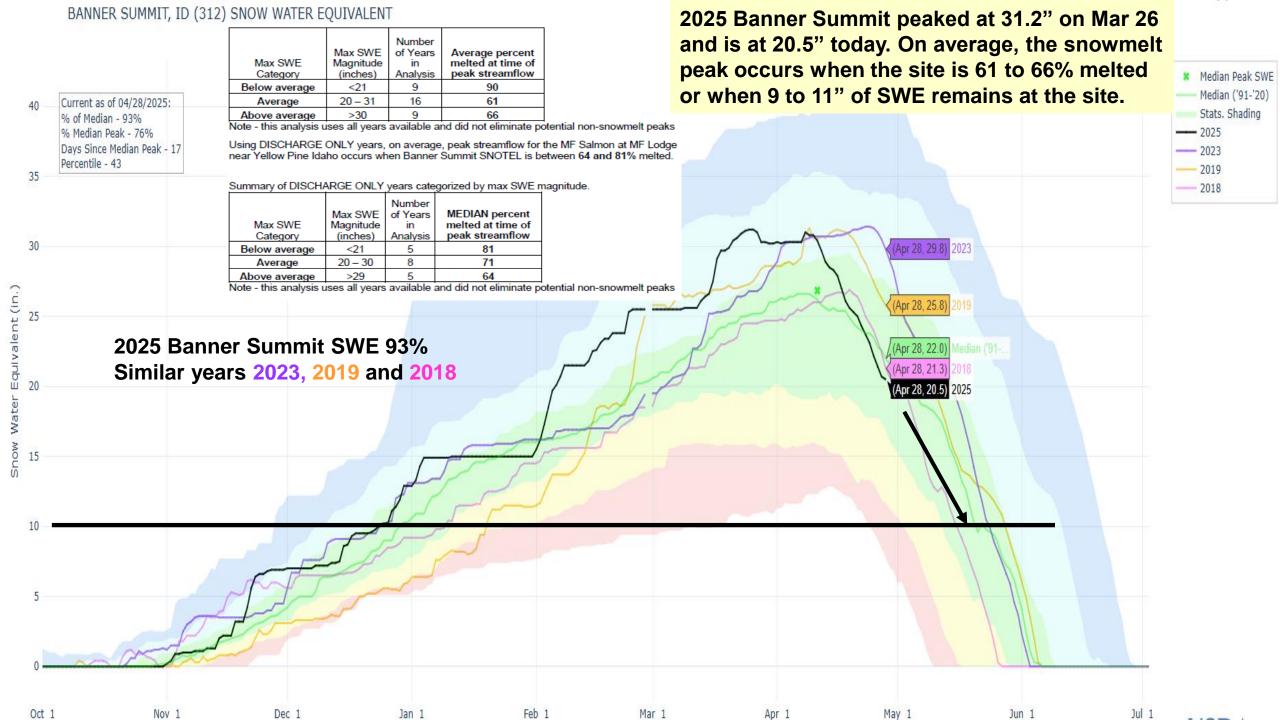
April 1-15 was dry across Idaho and remained dry for the 2nd half of April. Precip for next few days is minimal. So, April precip amounts will be in the range of 45-55% of normal in the Salmon and Clearwater, respectively; and only about 33% of normal in the Payette, Bruneau and Owyhee basins. Not a good month for moisture.

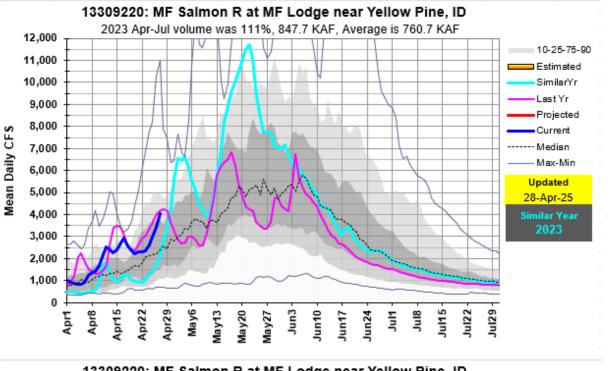


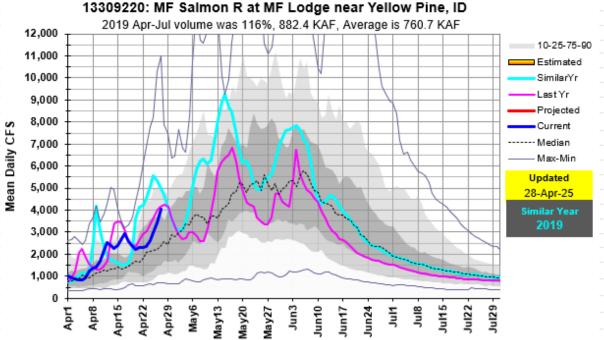












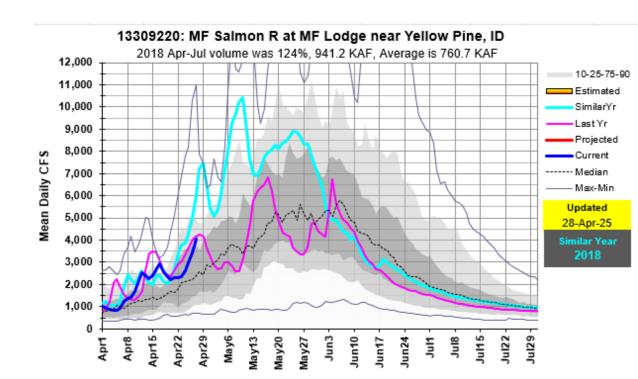
Flow for years that had a similar snowpack:

2024 Last Year Apr-Jul volume was 665 KAF.

2023 Apr-Jul volume was 847 KAF – late melt pushed the peak to May 22. Add rain soon would increase peak and extend recession flows.

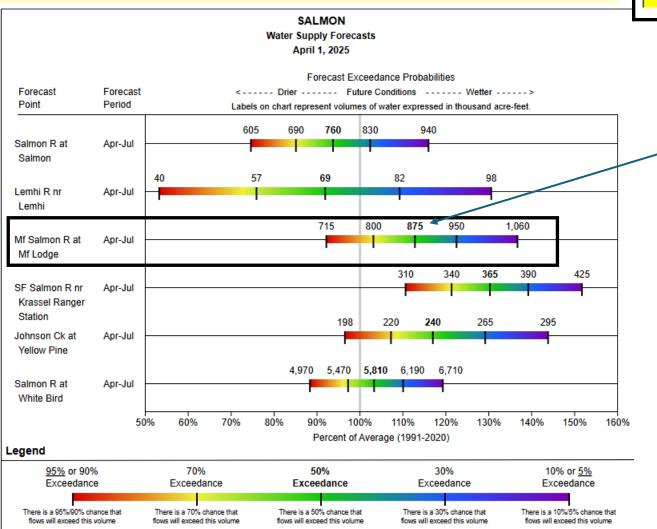
2019 Apr-Jul volume was 882 KAF 2018 Apr-Jul volume was 941 KAF

Apr-Jul volumes for all 3 years are in the ballpark as volume forecast for this year, 875-930 KAF.
See next slide for forecast volumes.



MF Salmon River Volume Forecasts for Apr-Jul NRCS are from April 1, 2025 NWS are from Apr 28

Table in KAF



Natural Forecast

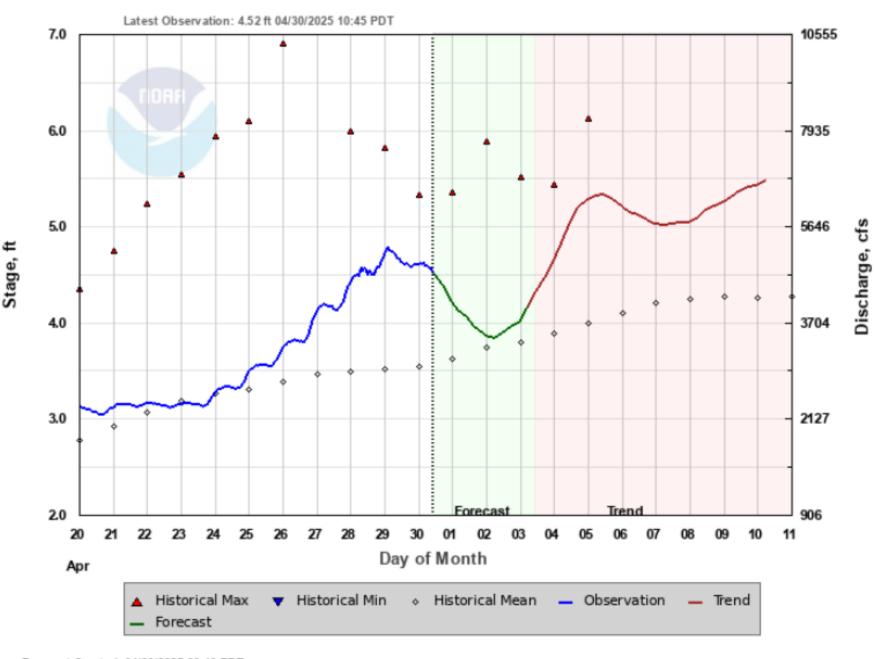
ESP with 10 Days QPF Ensemble: 2025-04-28 Issued: 2025-04-28

	Forecasts Are in KAF				30 Year
Forecast			%		Average
Period	90 %	50 %	Average	10 %	(1991-2020)
APR-SEP	941	1023	113	1236	905
APR-JUL	850	930	113	1130	819

NRCS Apr 1 Apr-Jul Forecast remains at 875 KAF with a range of 715 to 1060 KAF

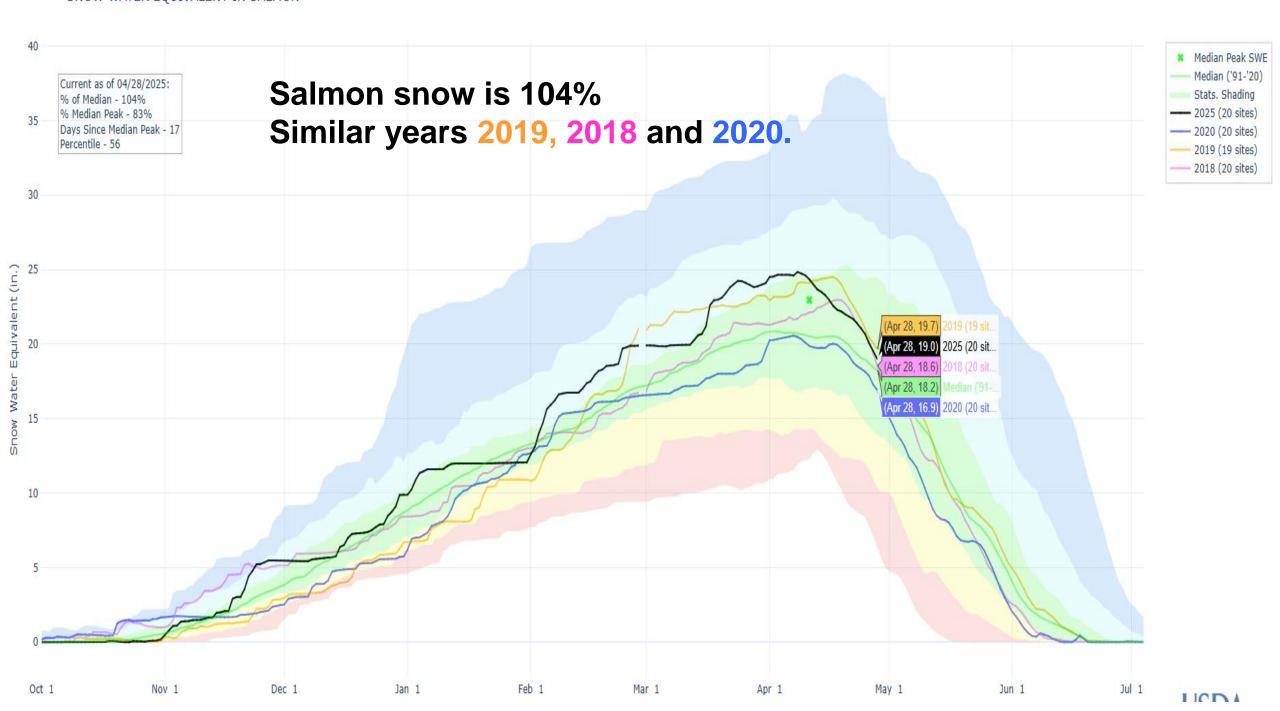
NWS Apr-Jul Forecast from, Apr 28 is for 930 KAF with a range of 850 to 1130 KAF

MF SALMON - MIDDLE FORK LODGE (MIDI1)

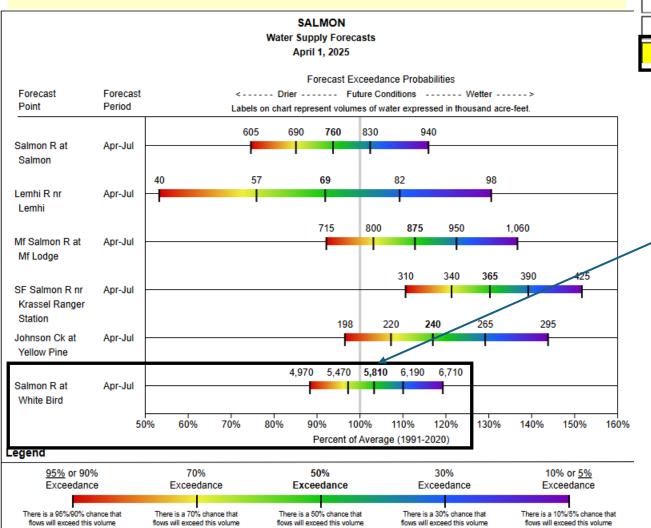


NWS Forecast and Trend shows flows increasing with warming temps this week and maybe nearing possible peak depending upon future temps, remaining snow and rain or not.

SNOW WATER EQUIVALENT IN SALMON



Salmon River Volume Forecasts for Apr-Jul NRCS are from April 1, 2025 NWS are from Apr 28 KAF



SALMON - AT WHITEBIRD (WHBI1) Forecasts for Water Year 2025

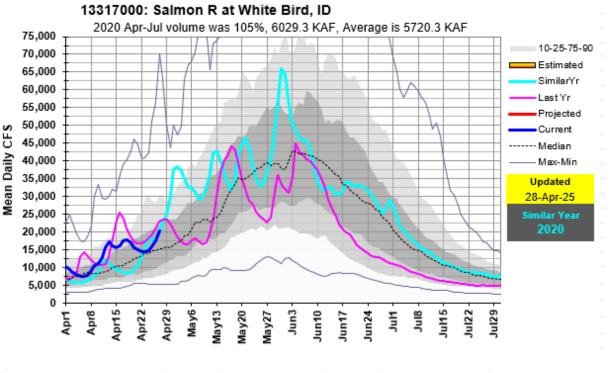
Natural Forecast

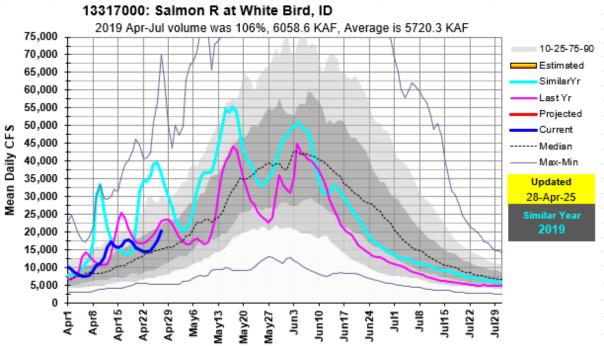
ESP with 10 Days QPF Ensemble: 2025-04-28 Issued: 2025-04-28

		Forecas	30 Year		
Forecast			%		Average
Period	90 %	50 %	Average	10 %	(1991-2020)
APR-SEP	6039	6463	103	7543	6264
APR-JUL	5442	5838	103	6863	5668

NRCS Apr-Jul Forecast is for 5810 KAF with a range of 4970 to 6710 KAF

NWS Apr-Jul Forecast is for 5838 KAF with a range of 5442 to 6863 KAF





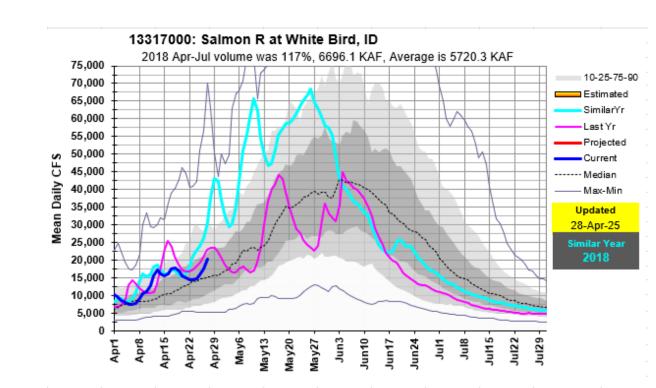
Flow for years that had a similar snowpack:

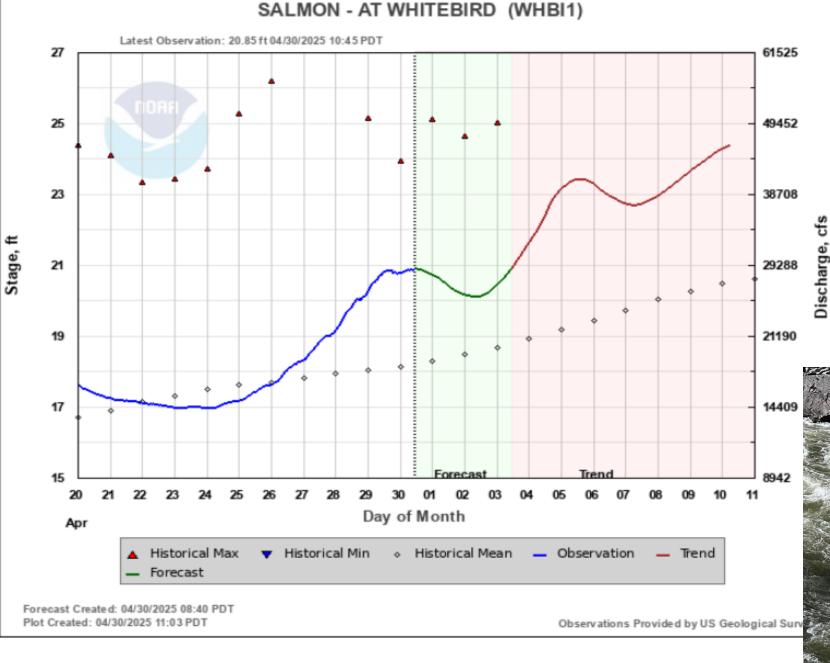
2024 Last Year Apr-Jul volume was 4559 KAF.

2020 Apr-Jul volume was 6029 KAF – late melt and probably rain bumped peak up on June 1 to 65,000 cfs. Rain is needed now to improve runoff and keep recession flows higher longer.

2019 Apr-Jul Volume was 6058 KAF 2018 Apr-Jul Volume was 6696 KAF

With both agencies volume forecasts in the 5800 KAF range, expect volumes slightly less than these years and hopefully better than Last Year 2024.



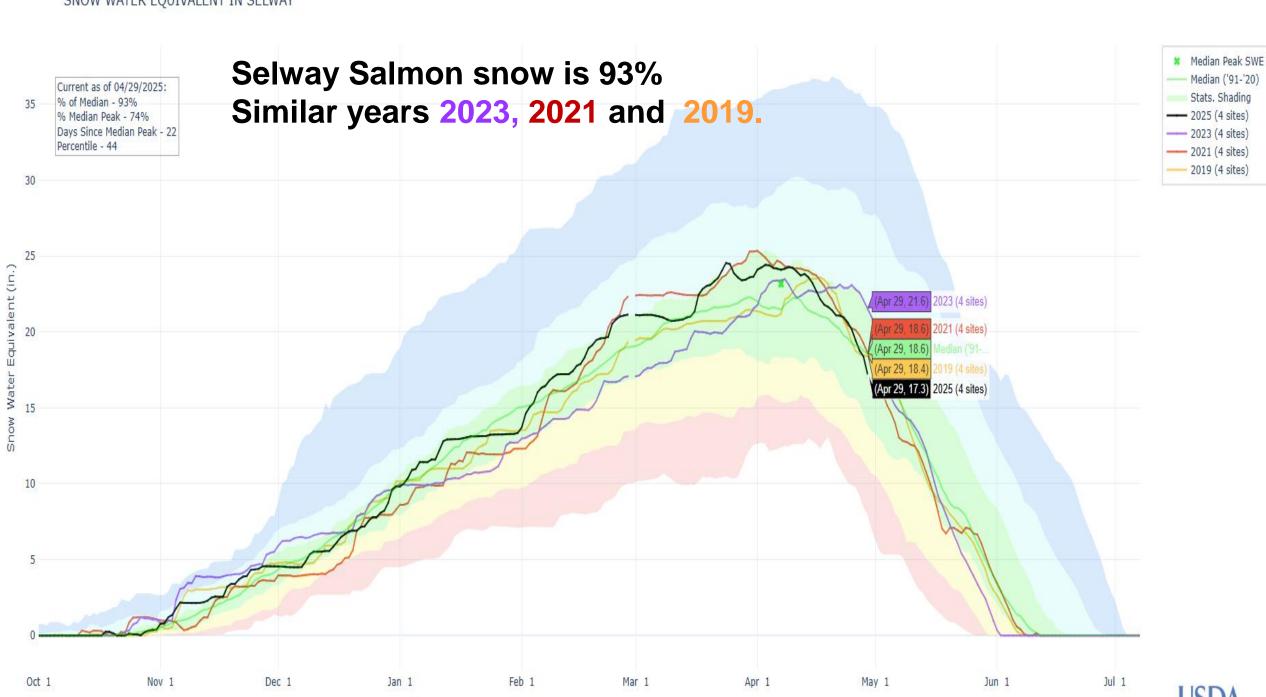


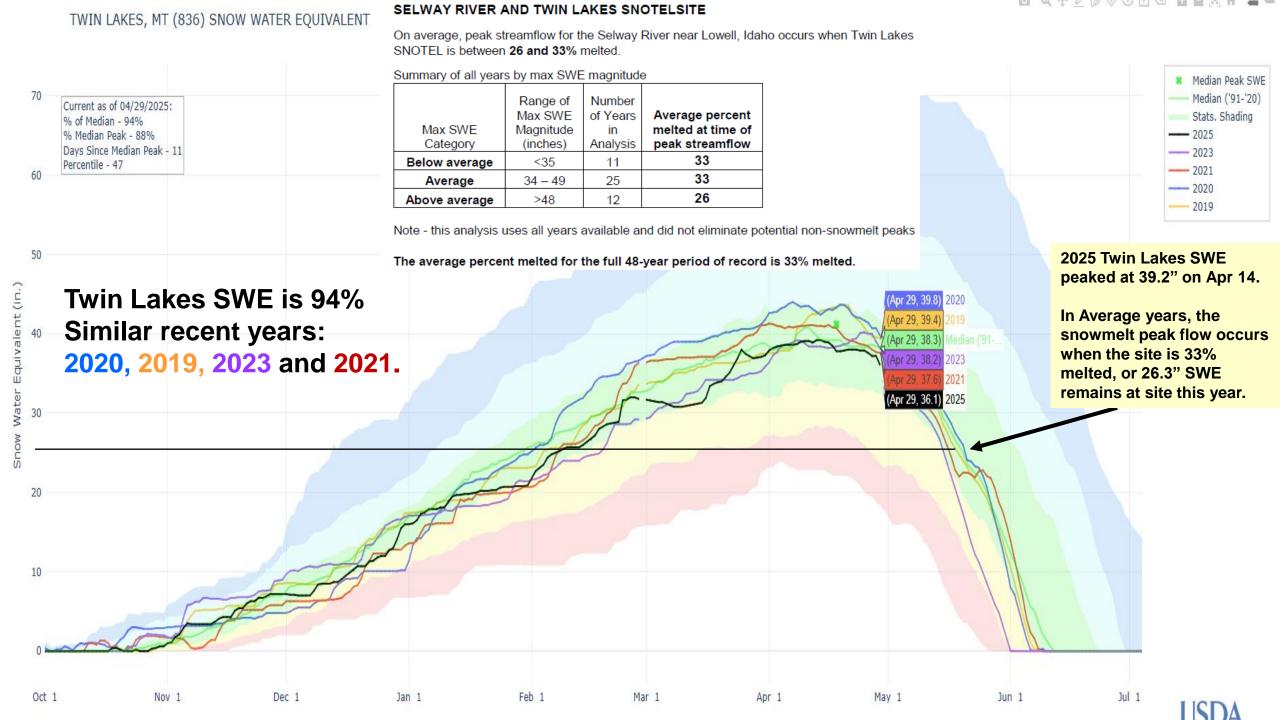
NWS Forecast and Trend shows flows increasing with warming temps this week and maybe nearing peak depending upon future temps, remaining snow and rain or not.

Time will tell, how high and when...

Bailey Rapid Apr 22, 2025 10:47 AM MT/PT flow about 16000 cfs



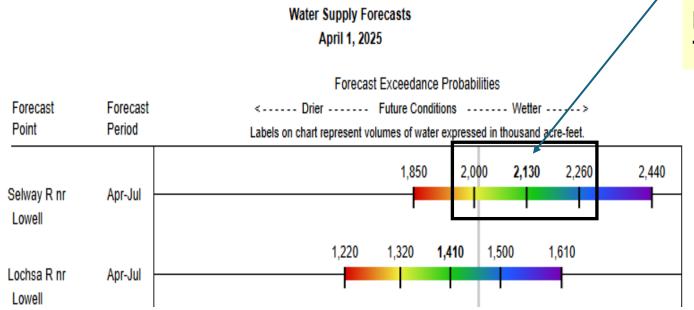




Selway River Volume Forecasts for Apr-Jul

NRCS are from April 1, 2025 NWS are from Apr 28

Table in KAF



CLEARWATER

SELWAY - NEAR LOWELL (SELI1) Forecasts for Water Year 2025

Natural Forecast

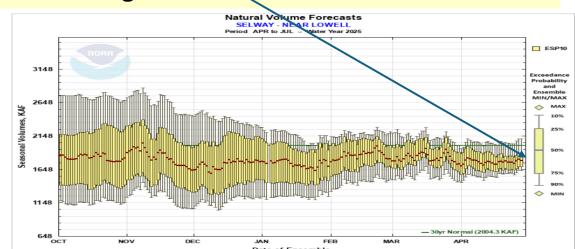
ESP with 10 Days QPF Ensemble: 2025-04-28 Issued: 2025-04-28

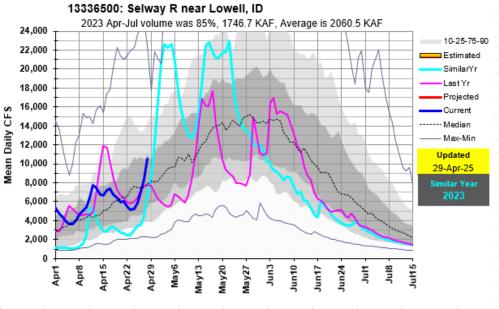
	Forecasts Are in KAF				30 Year
Forecast			%		Average
Period	90 %	50 %	Average	10 %	(1991-2020)
APR-SEP	1716	1872	89	2207	2099
APR-JUL	1633	1783	89	2107	2004

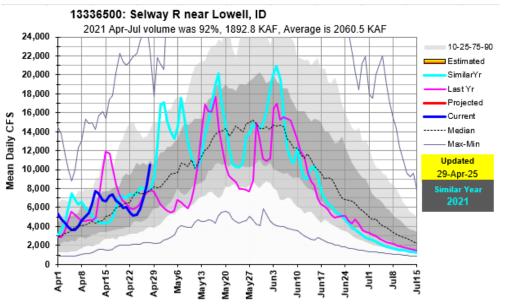
Selway River:

NRCS Apr-Jul Forecast is for 2130 KAF with 70/30% range of 2000 to 2260 KAF

NWS Apr-Jul Forecast is for 1783 KAF with a 75/25% range of 1773 to 1969 KAF





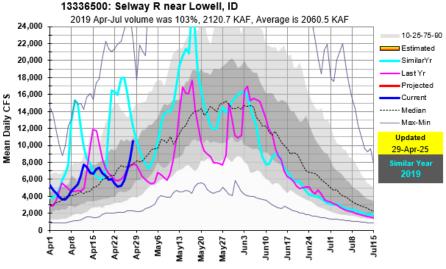


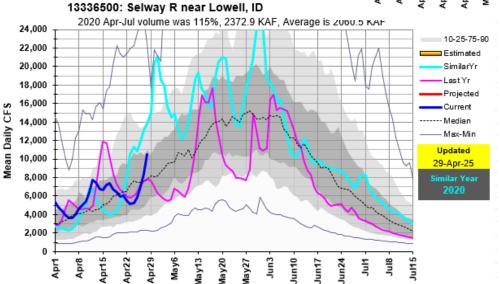
Flow for years that had a similar snowpack:

With a wider range of Apr-Jul volume forecasts from NWS and NRCS ranging from 1800 to 2100 KAF, expect volumes to be better than Last Year and maybe similar 2023 and 2019 which both favored an early peak.

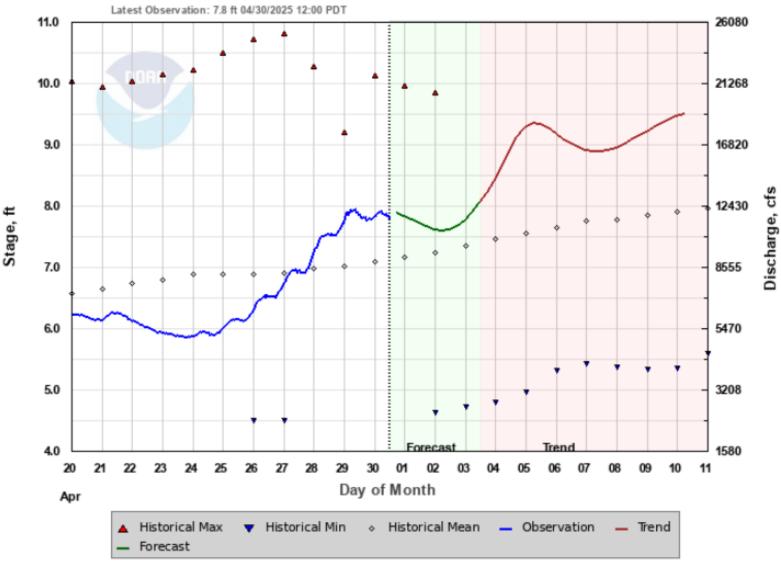
2024 Last Year Apr-Jul volume was 1625 KAF.

2023 Apr-Jul volume was 1746 KAF 2021 Apr-Jul volume was 1892 KAF 2020 Apr-Jul volume was 2372 KAF 2019 Apr-Jul volume was 2120 KAF





SELWAY - NEAR LOWELL (SELI1)



Forecast Created: 04/30/2025 08:38 PDT Plot Created: 04/30/2025 12:30 PDT

Observations Provided by US Geological Survey

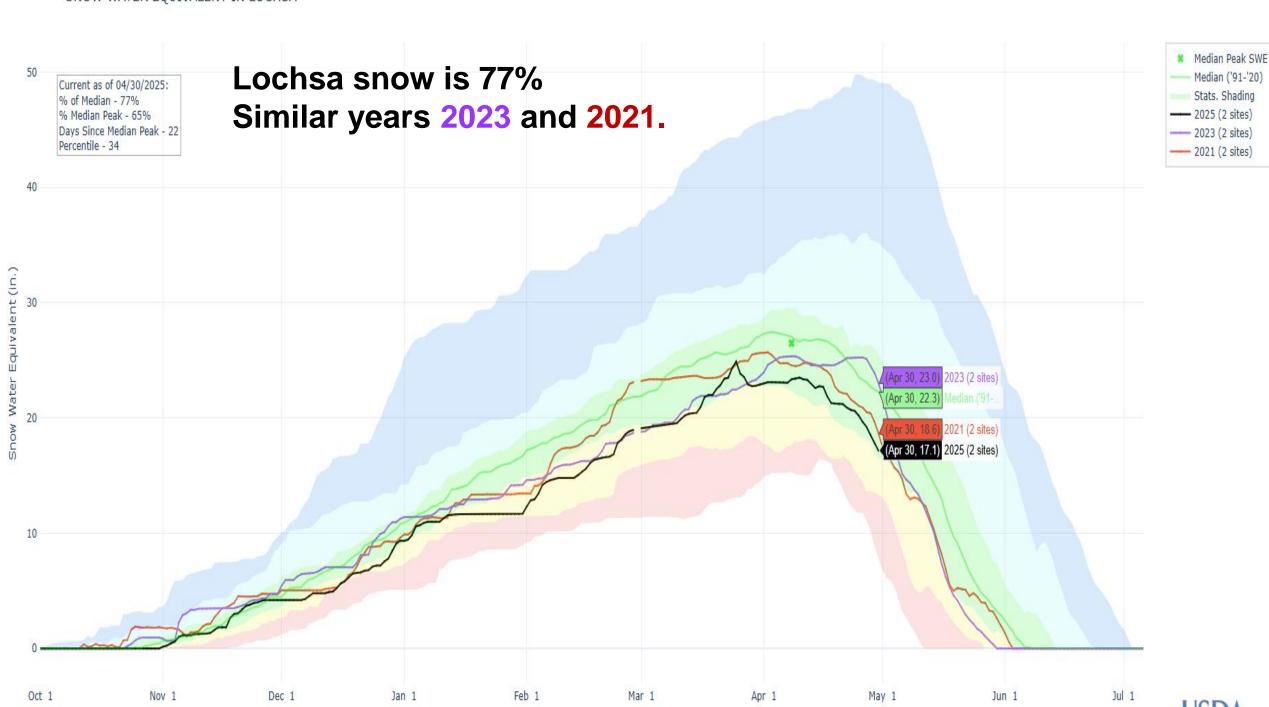
NWS Forecast and Trend shows flows increasing with warming temps this week and maybe nearing peak depending upon future temps, remaining snow and rain or not.

Time will tell, how high and when...

Salmon River and Bargamin Creek confluence Apr 22, 2025 about 16,000 cfs

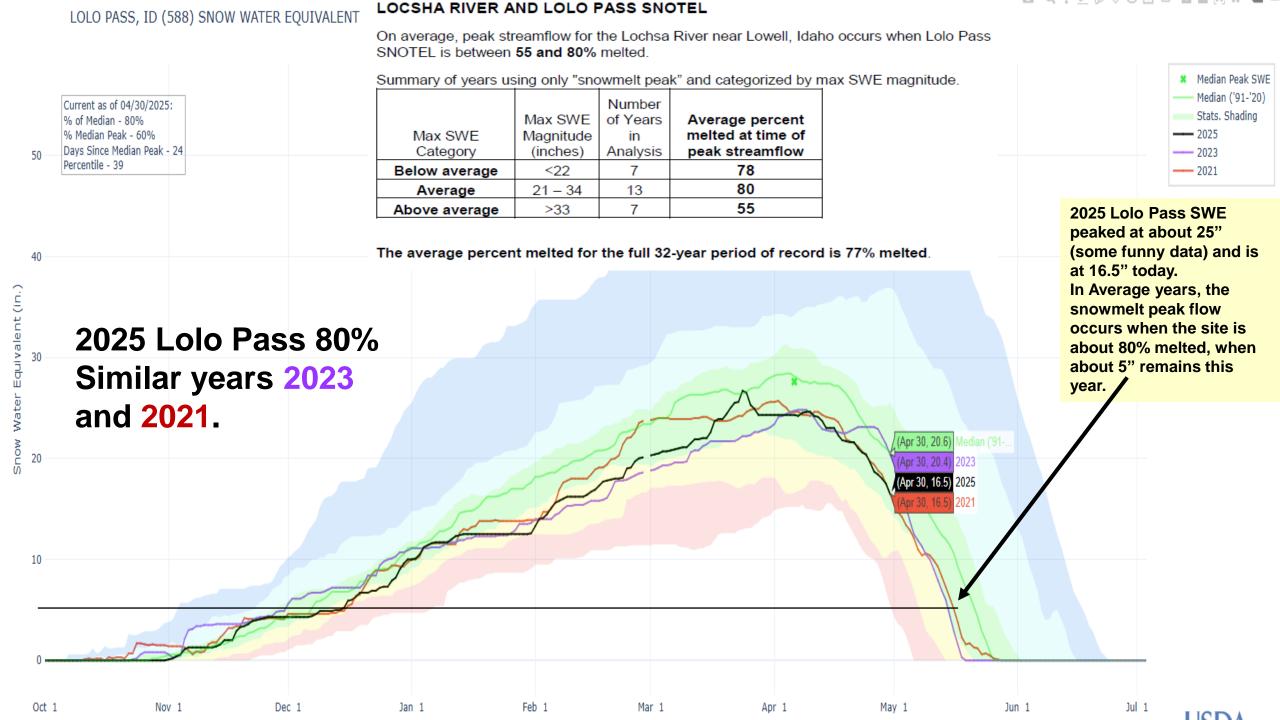






Median ('91-'20)

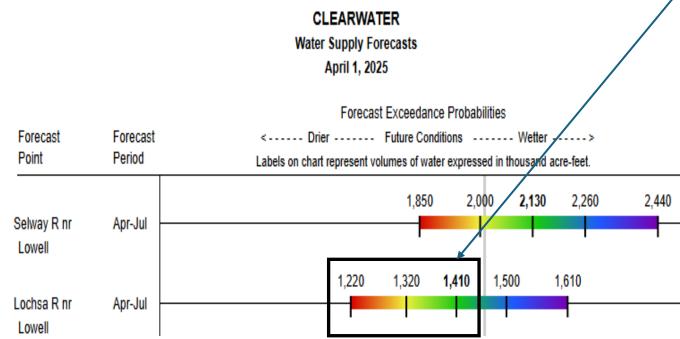
Stats. Shading



Lochsa River Volume Forecasts for Apr-Jul

NRCS are from April 1, 2025 NWS are from Apr 28

Table in KAF



LOCHSA - NEAR LOWELL (LOCI1) Forecasts for Water Year 2025

Natural Forecast

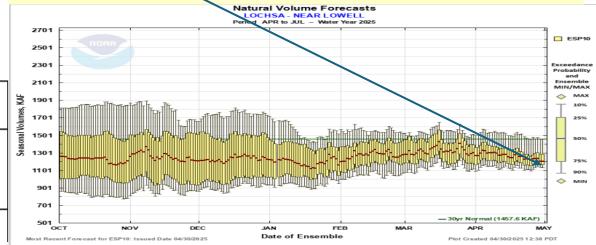
ESP with 10 Days QPF Ensemble: 2025-04-30 Issued: 2025-04-30

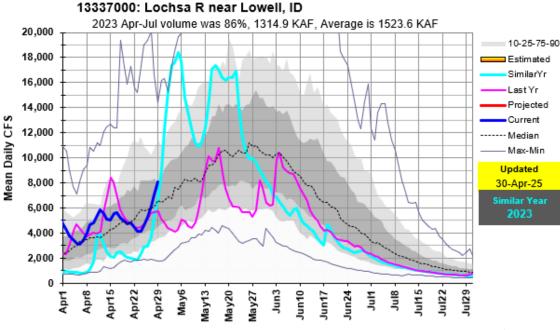
		Forecas	30 Year			
Forecast			%		Average	
Period	90 %	50 %	Average	10 %	(1991-2020)	
APR-SEP	1187	1258	82	1520	1525	
APR-JUL	1133	1205	83	1458	1458	

Selway River:

NRCS Apr-Jul Forecast is for 1410 KAF with a lower forecast range of 1220 to 1320 KAF

NWS Apr-Jul Forecast is for 1205 KAF with a lower forecast range of 1133 to 1171 KAF



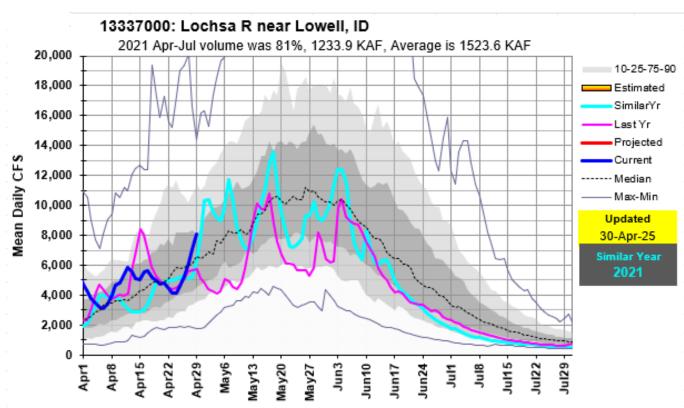


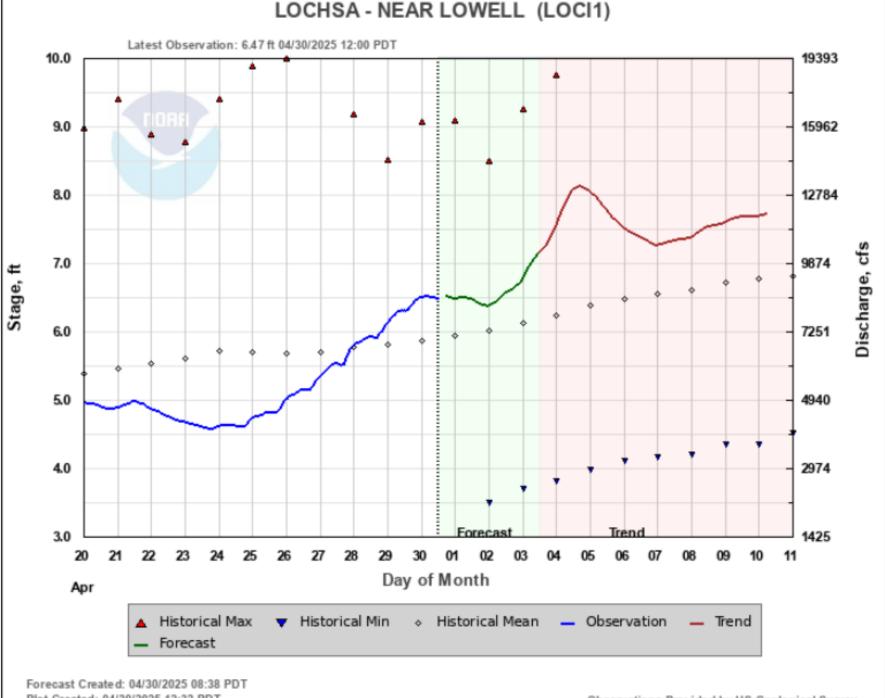
Flow for years that had a similar snowpack:

2024 Last Year Apr-Jul volume was 1085 KAF. 2023 Apr-Jul volume was 1314 KAF 2021 Apr-Jul Volume was 1233 KAF

With volume forecasts around 1200 KAF, runoff should be better than Last Year, volume could be similar 2021 with an early peak like in 2023.

Time, temps, and rain will determine actual peak.

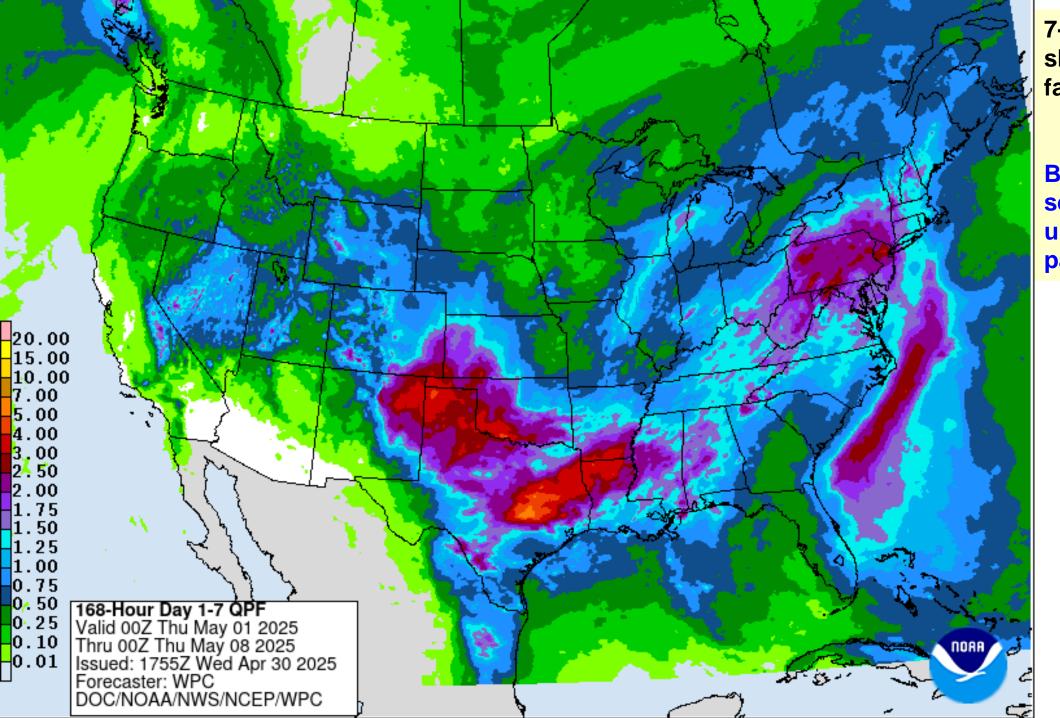




NWS Forecast and Trend shows flows increasing with warming temps this week and maybe nearing peak depending upon future temps, remaining snow and rain or not.

Interesting, trend line is slightly lower than previous peak on May 4

Time will tell, how high and when...



7-Day total precip shows little precip falling in the PNW.

Basically, what we see is what we get until the weather pattern changes.

