



Water Conditions Monitoring Committee Meeting August 26th, 2025

NRCS Snow Survey and Water Supply Forecasting Program

Nagam Bell

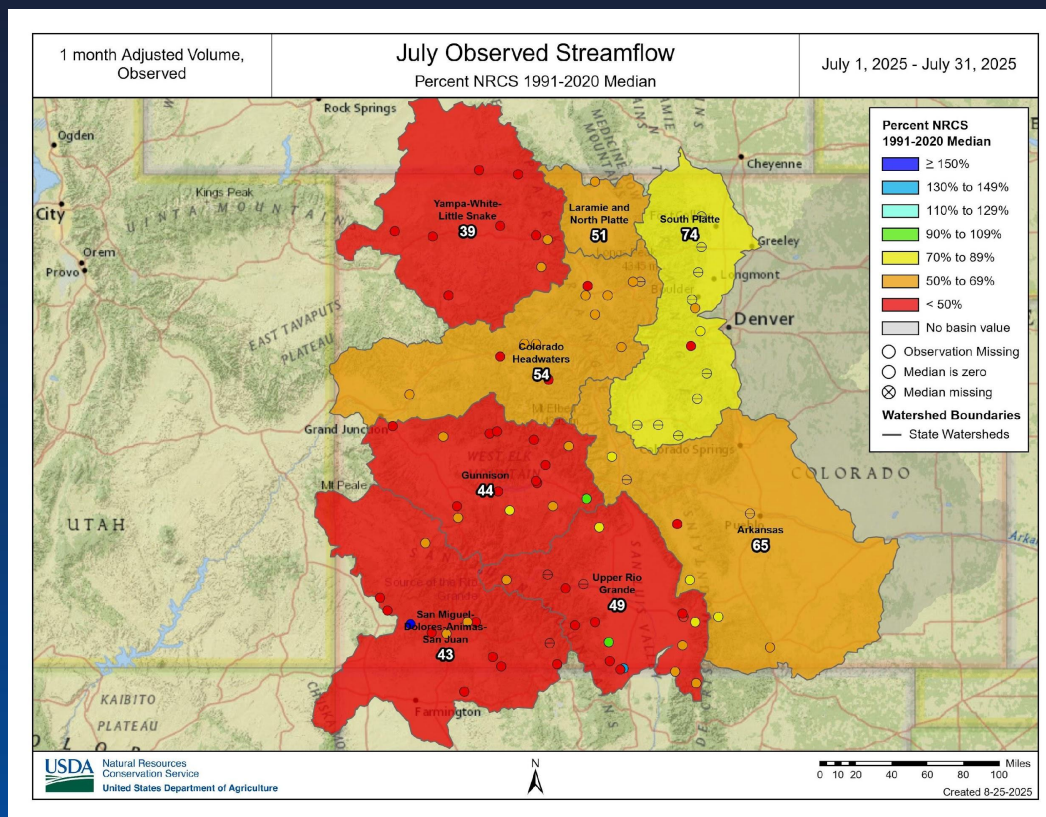
Hydrologist

Nagam.Bell@usda.gov

<http://www.nrcs.usda.gov/wps/portal/nrcs/main/co/snow/>

Statewide Conditions as of 08/25/25

- WYTD precipitation 81%
& 104% (2024)
- 30 day precipitation 41%
& 152% (2024)
- 60 day precipitation 53%
& 131% (2024)
- 90 day precipitation 65%
& 125% (2024)
- July Observed Streamflow 48%
- July EOM Reservoir storage is at 83% of median
- Soil moisture 20" is at 68% of median. 8" VWC is at 67% of median





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Colorado Snow Surveys

Precipitation

PRECIPITATION ACCUMULATION IN STATE OF COLORADO

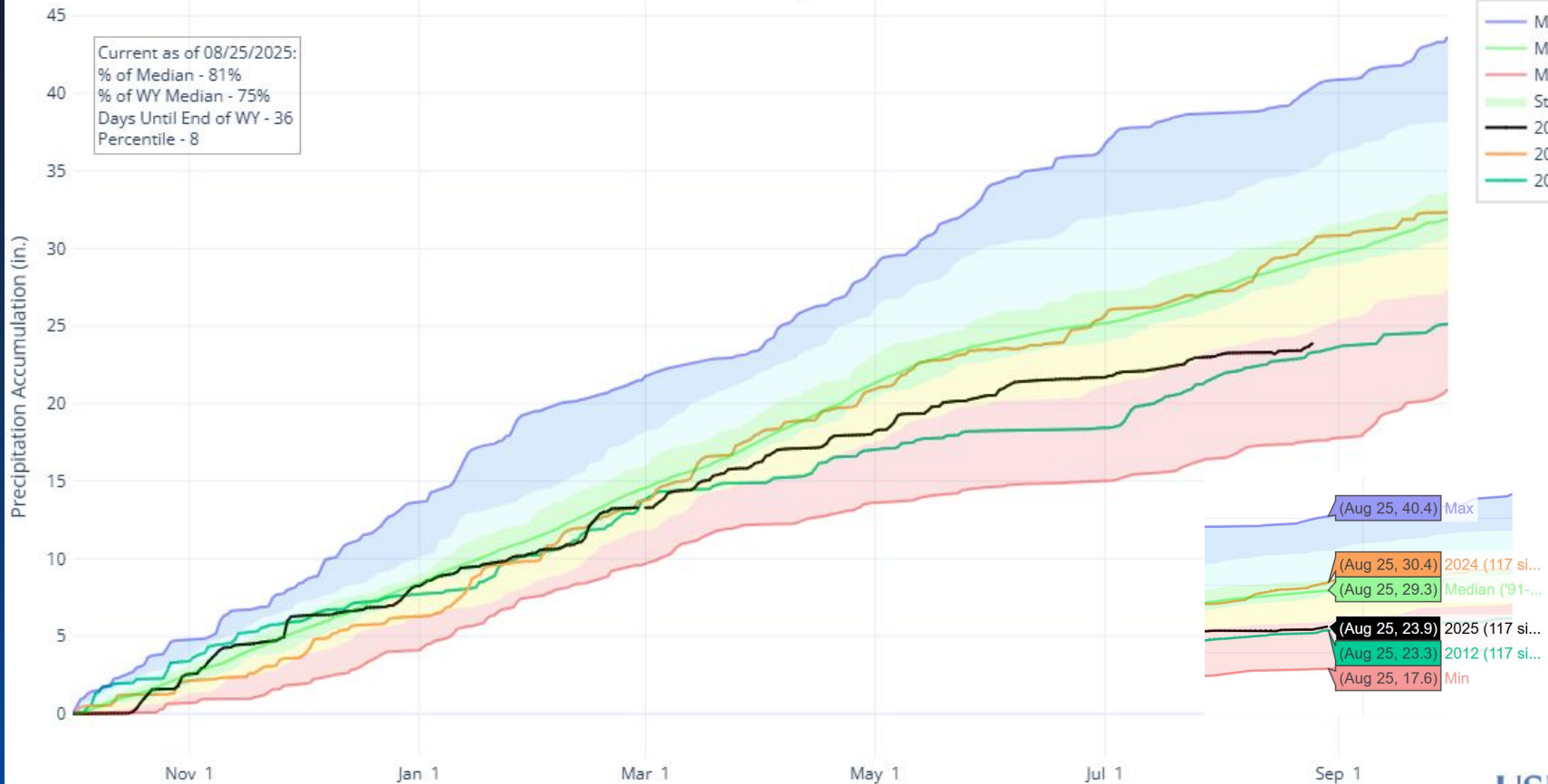
Reset Range

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

Current as of 08/25/2025:
 % of Median - 81%
 % of WY Median - 75%
 Days Until End of WY - 36
 Percentile - 8

Station List

- Max
- Median ('91-'20)
- Min
- Stats. Shading
- 2025 (117 sites)
- 2024 (117 sites)
- 2012 (117 sites)





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PRECIPITATION ACCUMULATION IN STATE OF COLORADO

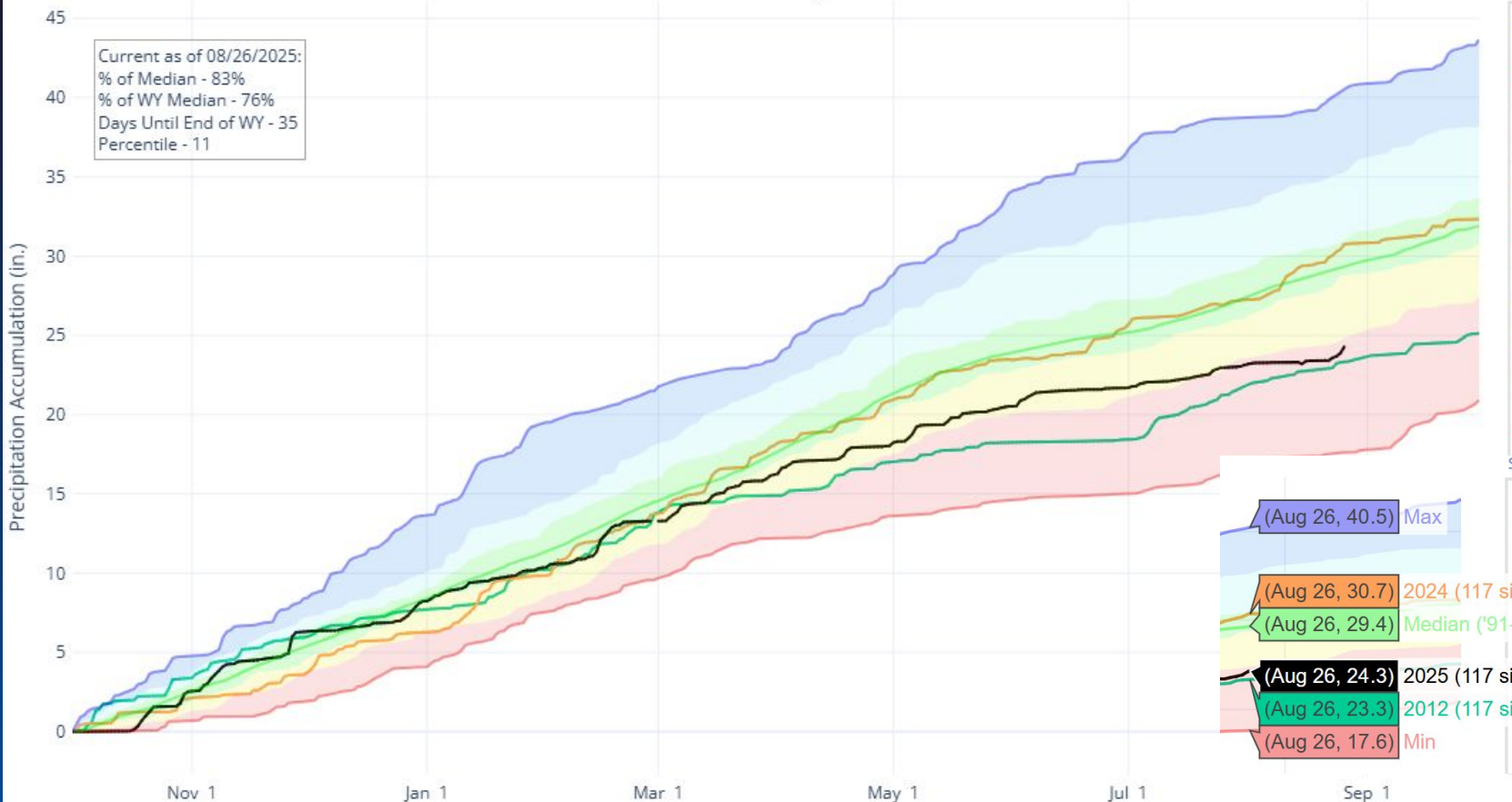
Reset Range

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

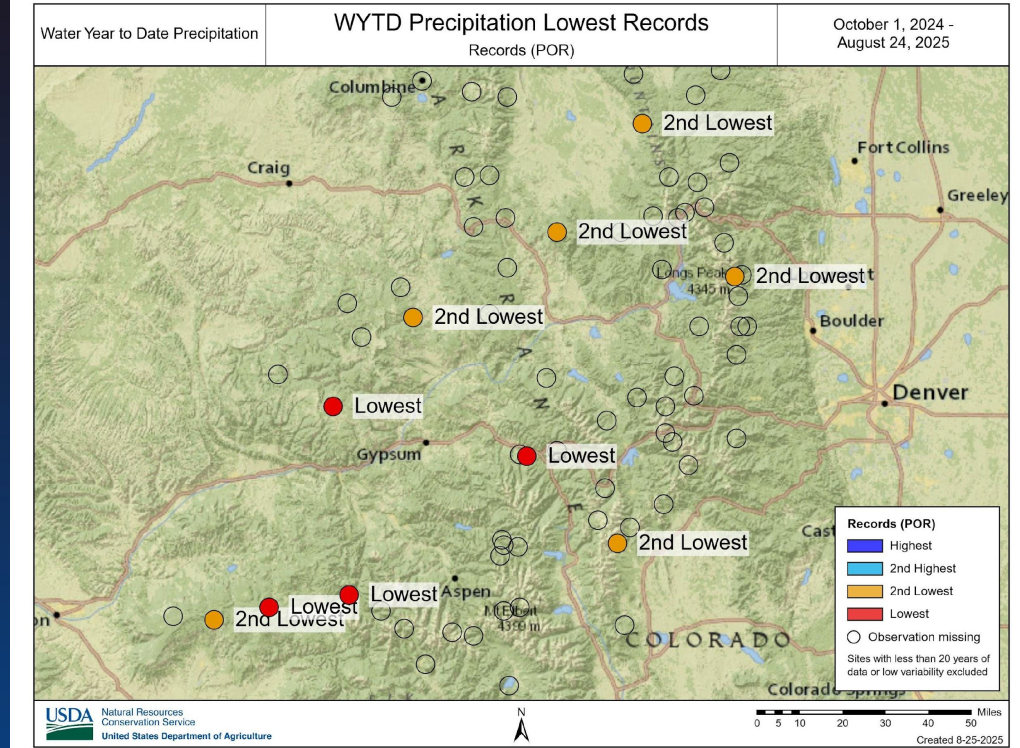
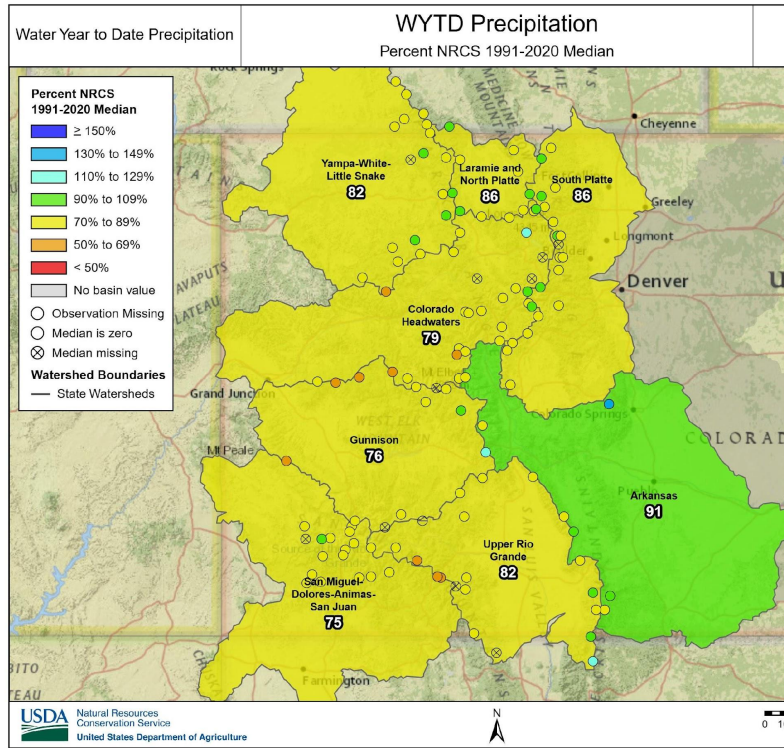
Current as of 08/26/2025:
% of Median - 83%
% of WY Median - 76%
Days Until End of WY - 35
Percentile - 11

Station List

- Max
- Median (POR)
- Median ('91-'20)
- Min
- Stats. Shading
- 2025 (117 sites)
- 2024 (117 sites)
- 2023 (117 sites)
- 2022 (117 sites)
- 2021 (117 sites)
- 2020 (117 sites)
- 2019 (117 sites)
- 2018 (117 sites)
- 2017 (117 sites)
- 2016 (117 sites)
- 2015 (117 sites)
- 2014 (117 sites)
- 2013 (117 sites)
- 2012 (117 sites)
- 2011 (117 sites)
- 2010 (114 sites)
- 2009 (111 sites)
- 2008 (108 sites)
- 2007 (105 sites)
- 2006 (105 sites)
- 2005 (104 sites)
- 2004 (98 sites)
- 2003 (97 sites)

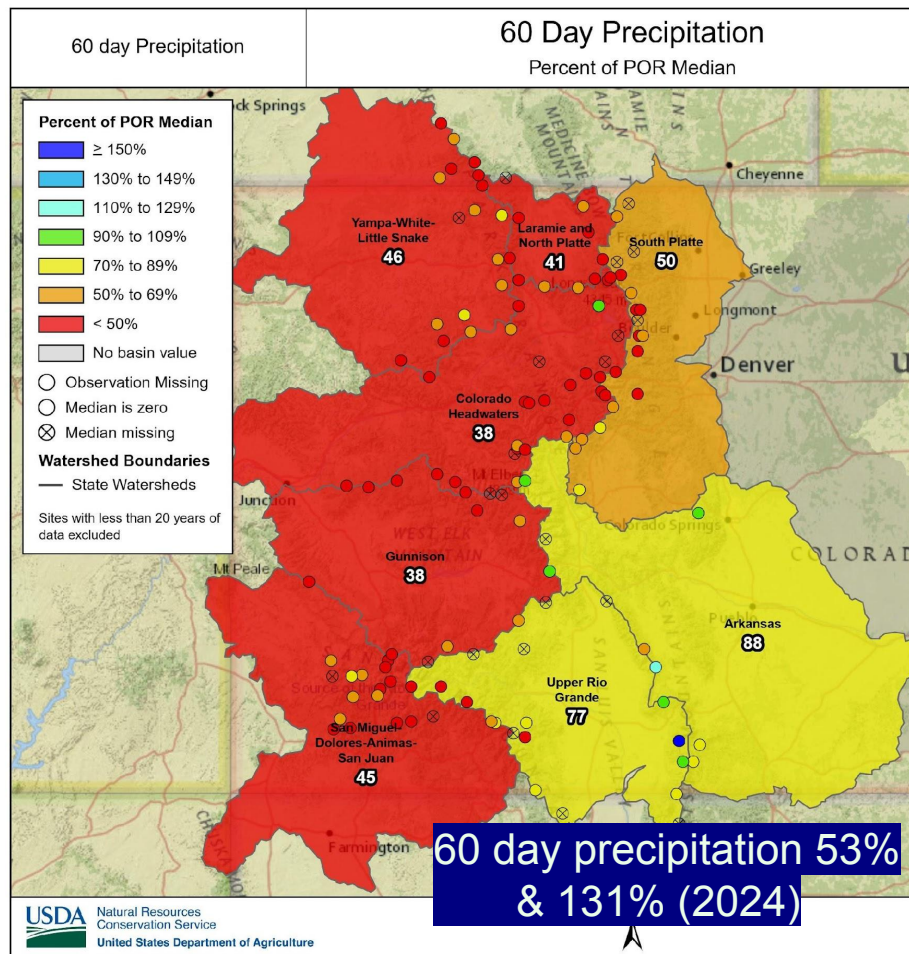
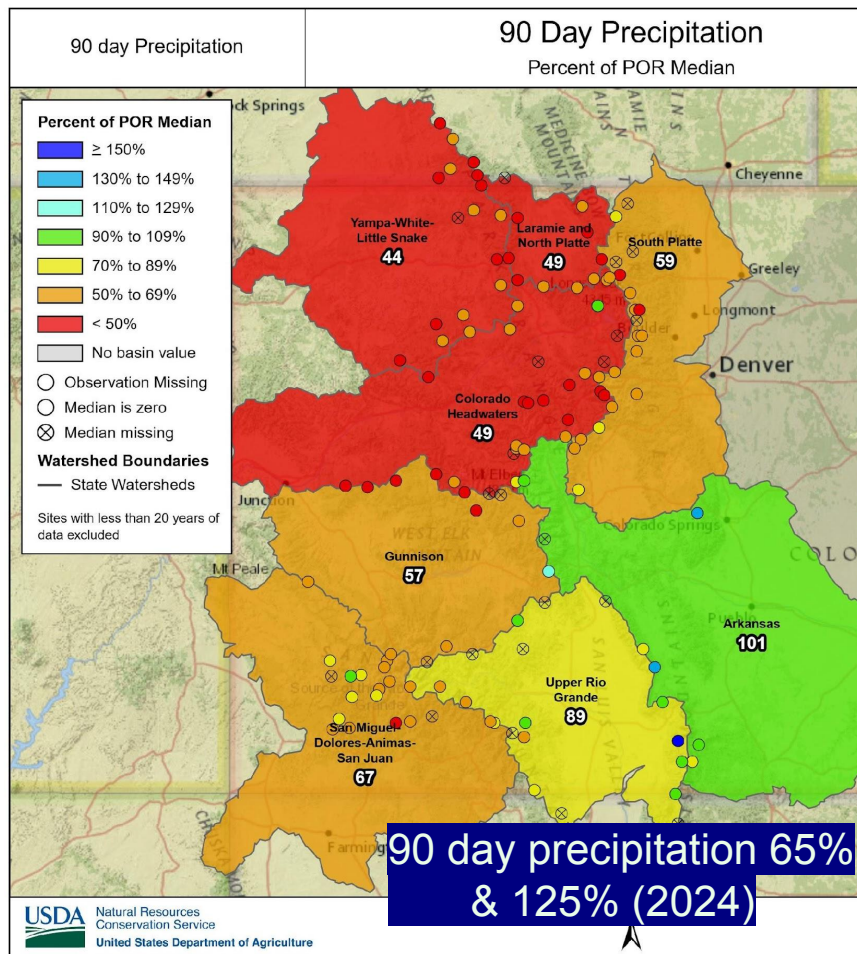


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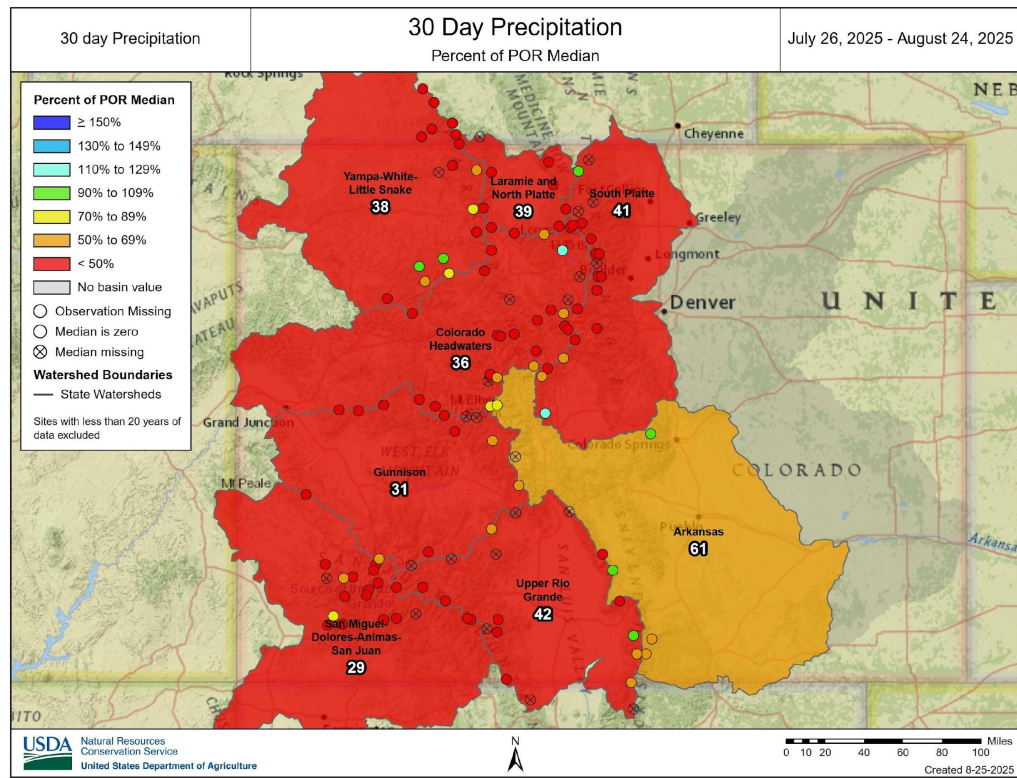


- WYTD precipitation 81% & 104% (2024)
- 57% of sites are at the 15th percentile or less

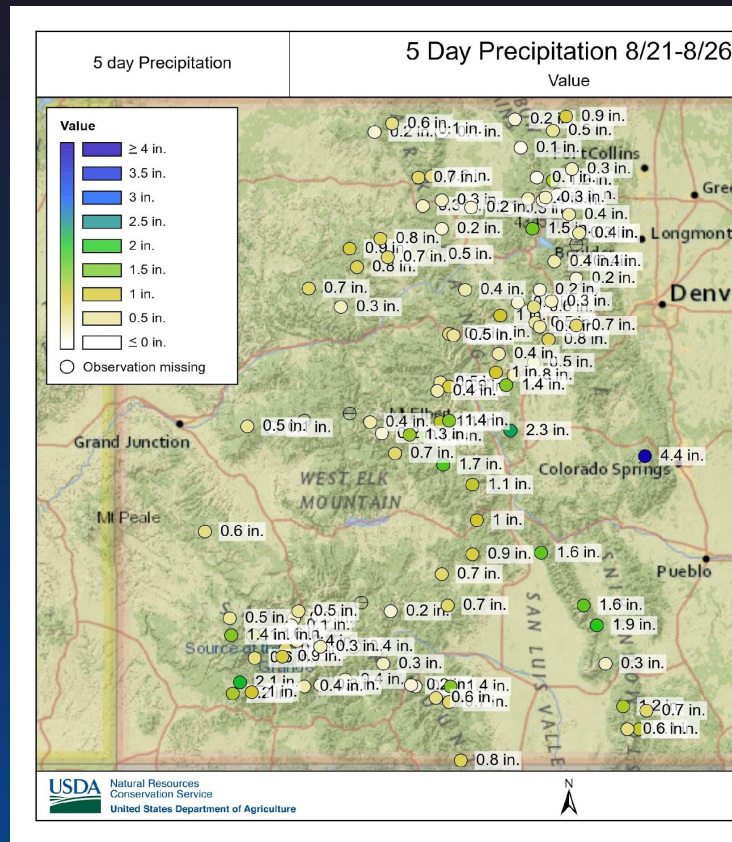
- Record or near record low precipitation (POR): Overland Res. (36yrs), Mc Clure Pass (45 yrs), Park Reservoir(47yrs), Bison Lake (40), Beaver Ck. Village (22), Buckskin Joe (26), Bear River (21), Arapaho Ridge (23), Wild Basin (20), Rawah (23)



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- 30 day precipitation 41% & 152% (2024)



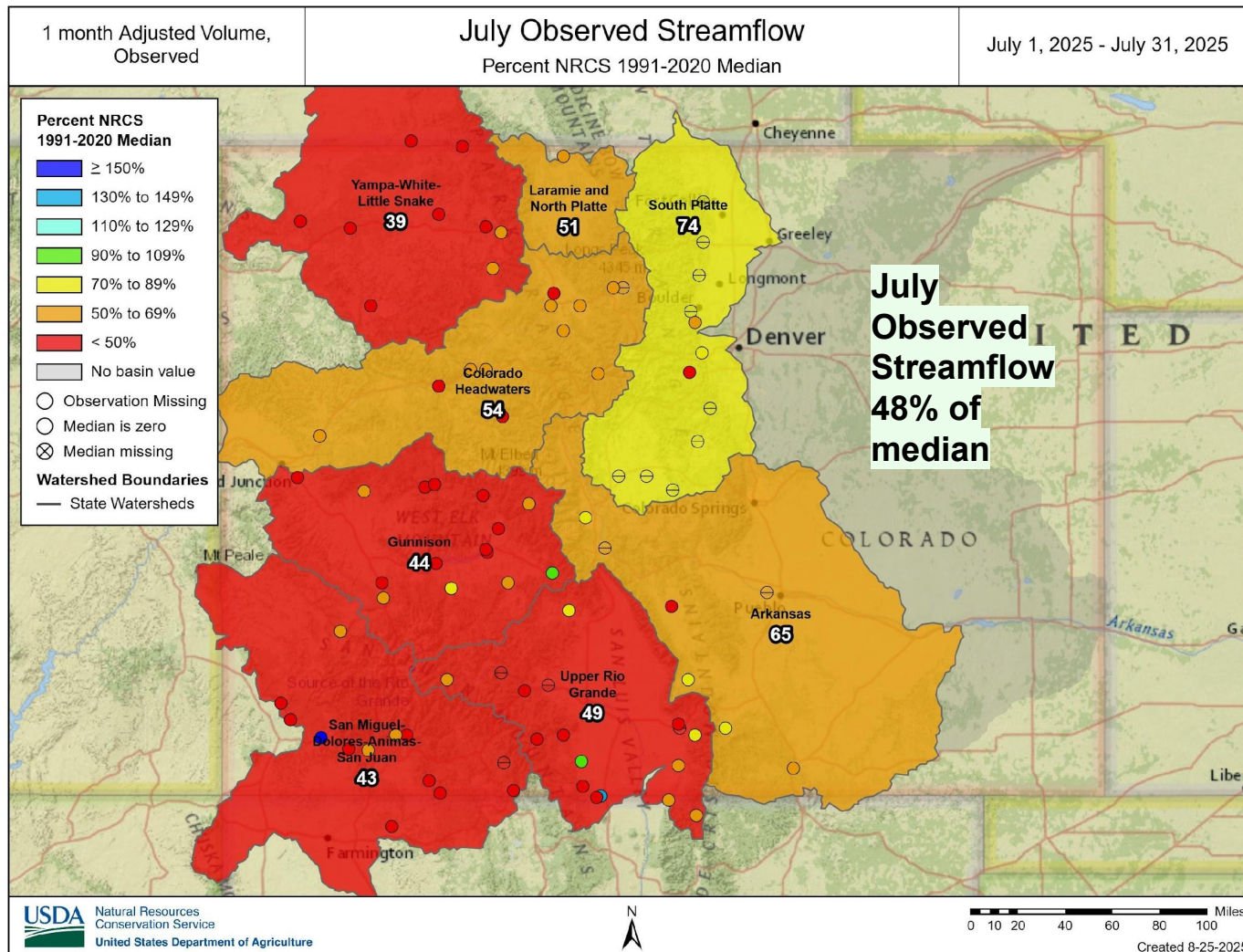
- Monsoon weather has finally kicked off! Highest amounts in the southwest San Juans and in the Sangre de Cristo Range
- Northern half of the state is also benefitting from increased precipitation pattern



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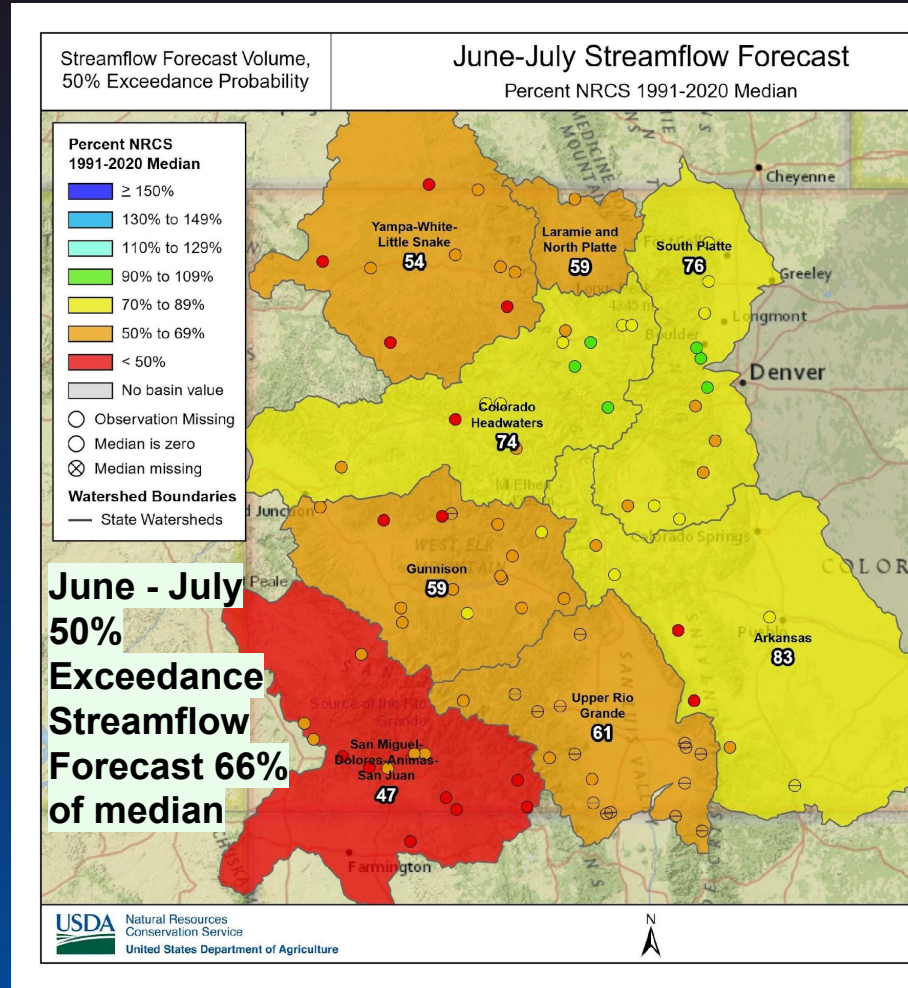
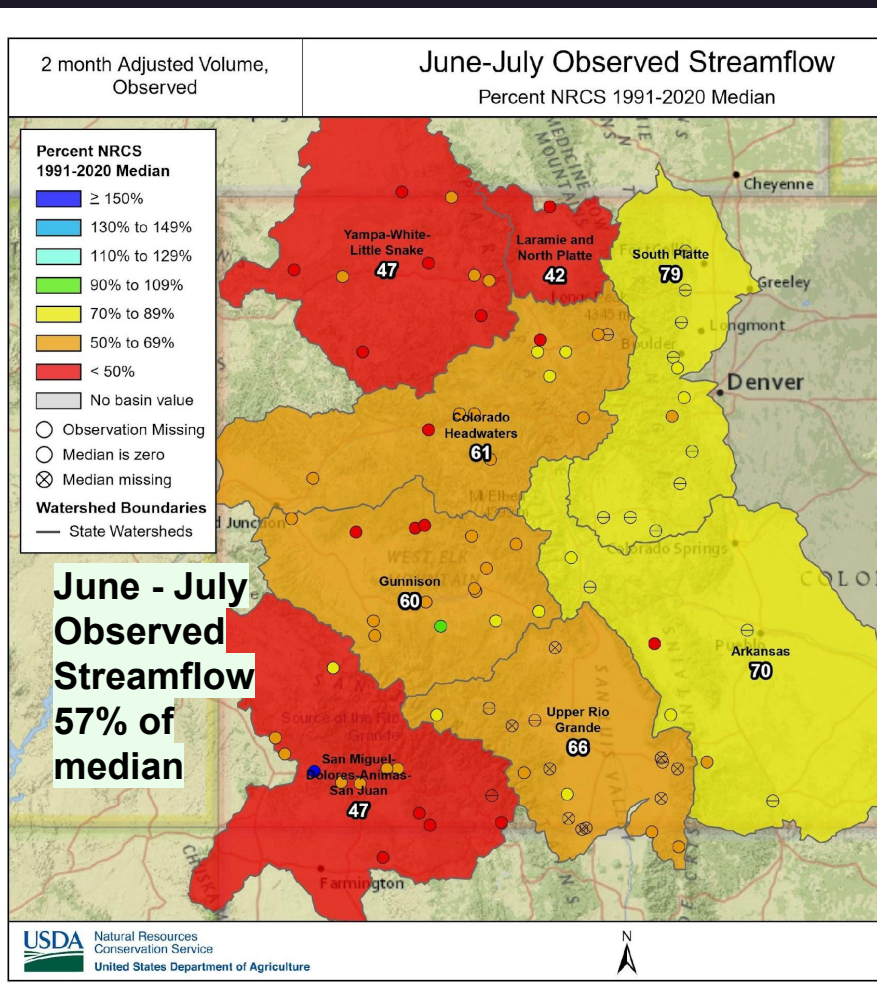
Streamflow

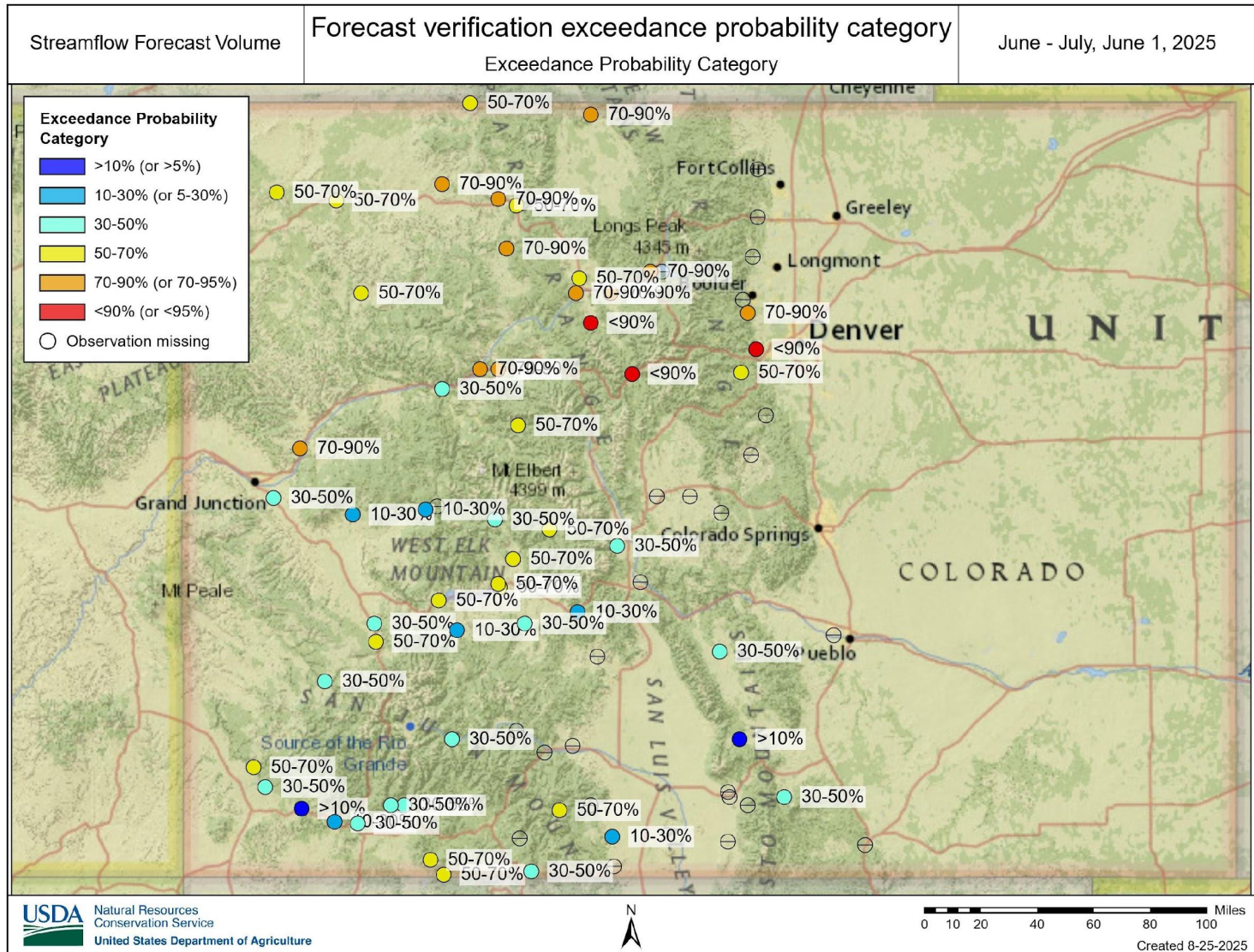




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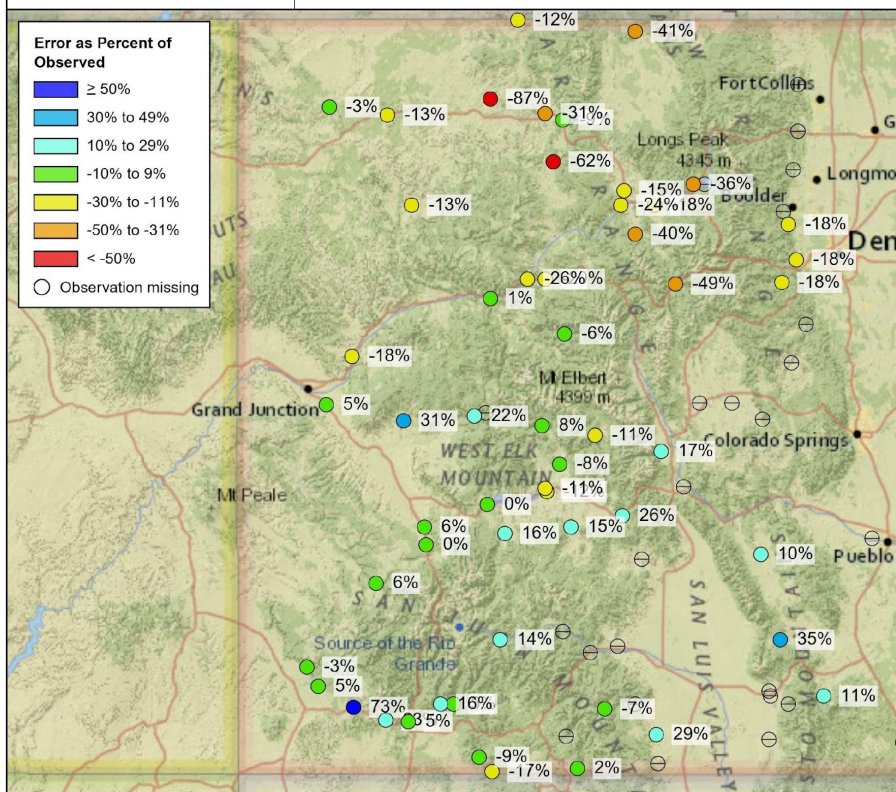
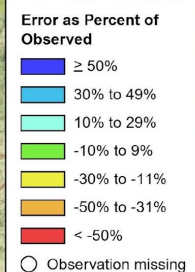




Streamflow Forecast Volume,
50% Exceedance Probability

Error as a percent of observed

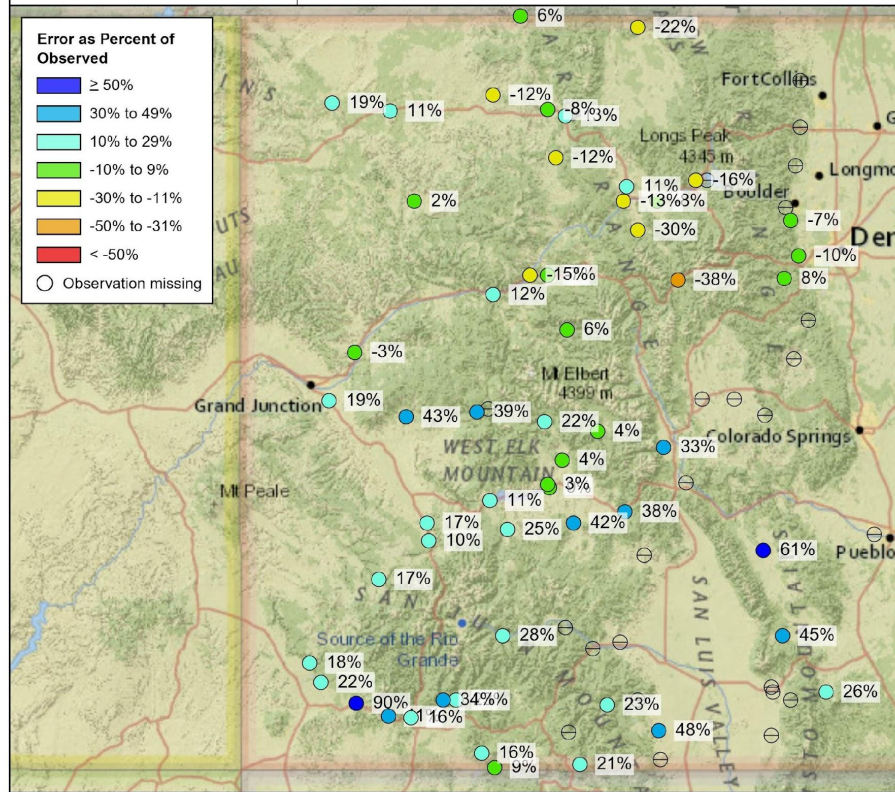
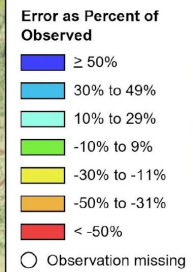
Error as Percent of Observed



Streamflow Forecast Volume,
70% Exceedance Probability

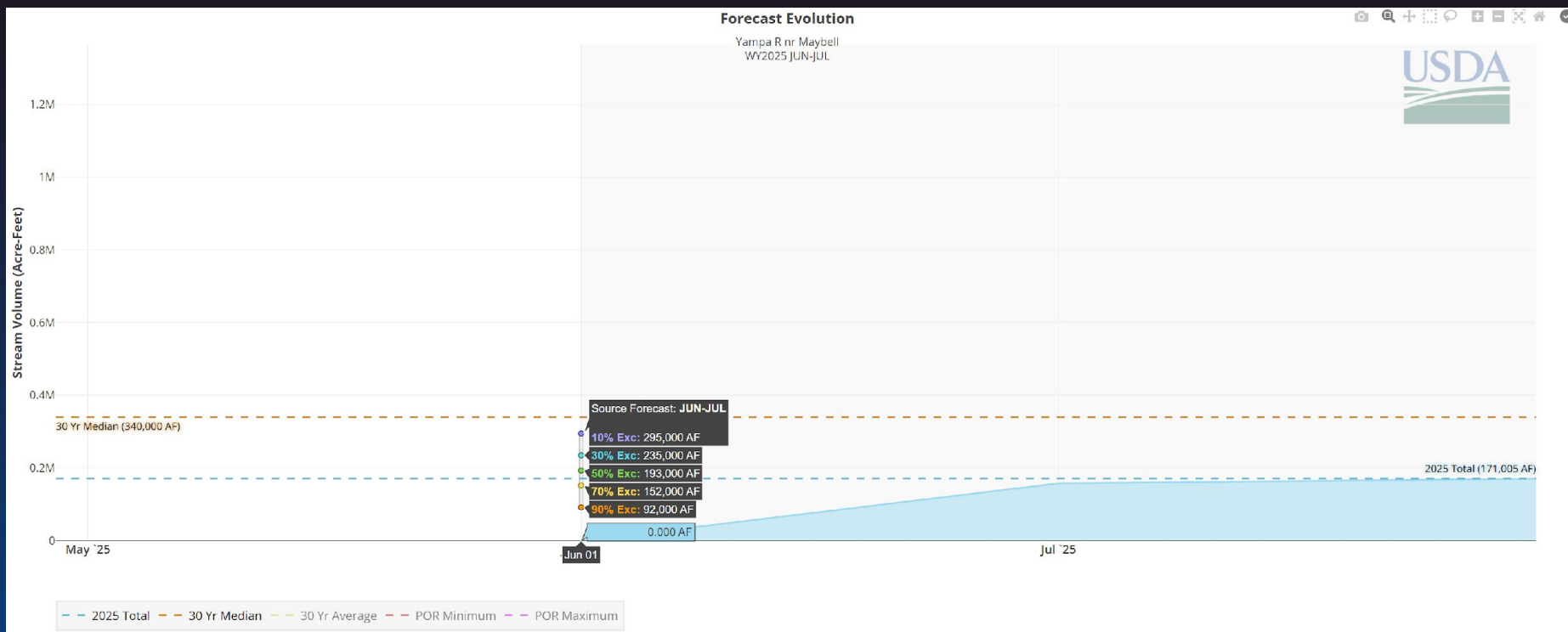
Error as a percent of observed

Error as Percent of Observed





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Streamflow Forecast Volume (50% Exceedance Probability, kac-ft.), June - July, June 1, 2025

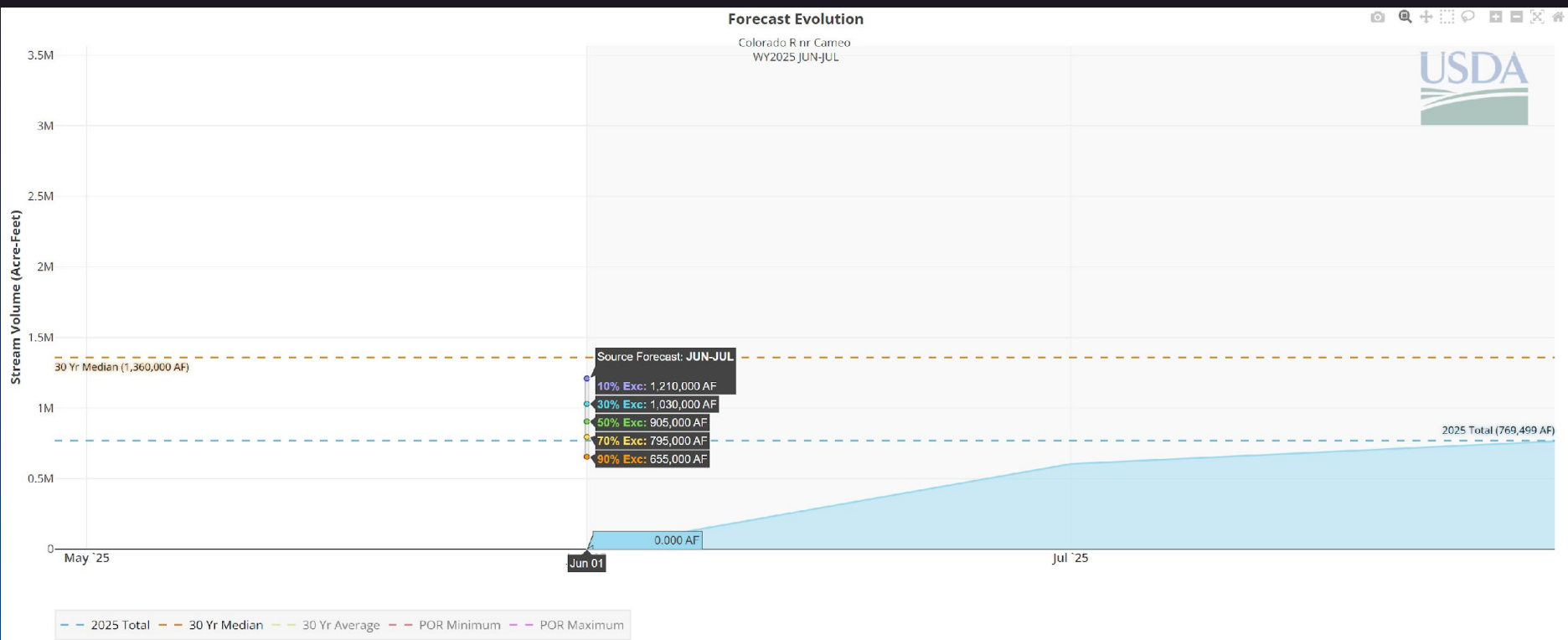
Value:	193	Anomaly (POR):	-215.165
POR Median:	408.165	NRCS 1991-2020 Median:	340
% of POR Median:	47%	% of NRCS 1991-2020 Median:	57%
POR Average:	408.668	NRCS 1991-2020 Average:	380
% of POR Average:	47%	% of NRCS 1991-2020 Average:	51%
Observed:	171.005	Error Value (Obs - Forecast):	-21.995
Error as % of Observed:	-13%	Exceedance Probability Category:	50-70%
Error as % NRCS Average:	-6%	Error as % POR Average:	-5%
Error as % NRCS Median:	-6%	Error as % POR Median:	-5%
Percentile (POR):	16	# of Observations (POR):	106
Maximum (POR) (year):	1,239.537 (2011)	Maximum Rank (POR):	90
Minimum (POR) (year):	33.87 (1934)	Minimum Rank (POR):	18

Streamflow Forecast Volume (70% Exceedance Probability, kac-ft.), June - July, June 1, 2025

Value:	152	Anomaly (POR):	-256.165
POR Median:	408.165	NRCS 1991-2020 Median:	340
% of POR Median:	37%	% of NRCS 1991-2020 Median:	45%
POR Average:	408.668	NRCS 1991-2020 Average:	380
% of POR Average:	37%	% of NRCS 1991-2020 Average:	40%
Observed:	171.005	Error Value (Obs - Forecast):	19.005
Error as % of Observed:	11%	Exceedance Probability Category:	50-70%
Error as % NRCS Average:	5%	Error as % POR Average:	5%
Error as % NRCS Median:	6%	Error as % POR Median:	5%
Percentile (POR):	11	# of Observations (POR):	106
Maximum (POR) (year):	1,239.537 (2011)	Maximum Rank (POR):	95
Minimum (POR) (year):	33.87 (1934)	Minimum Rank (POR):	13

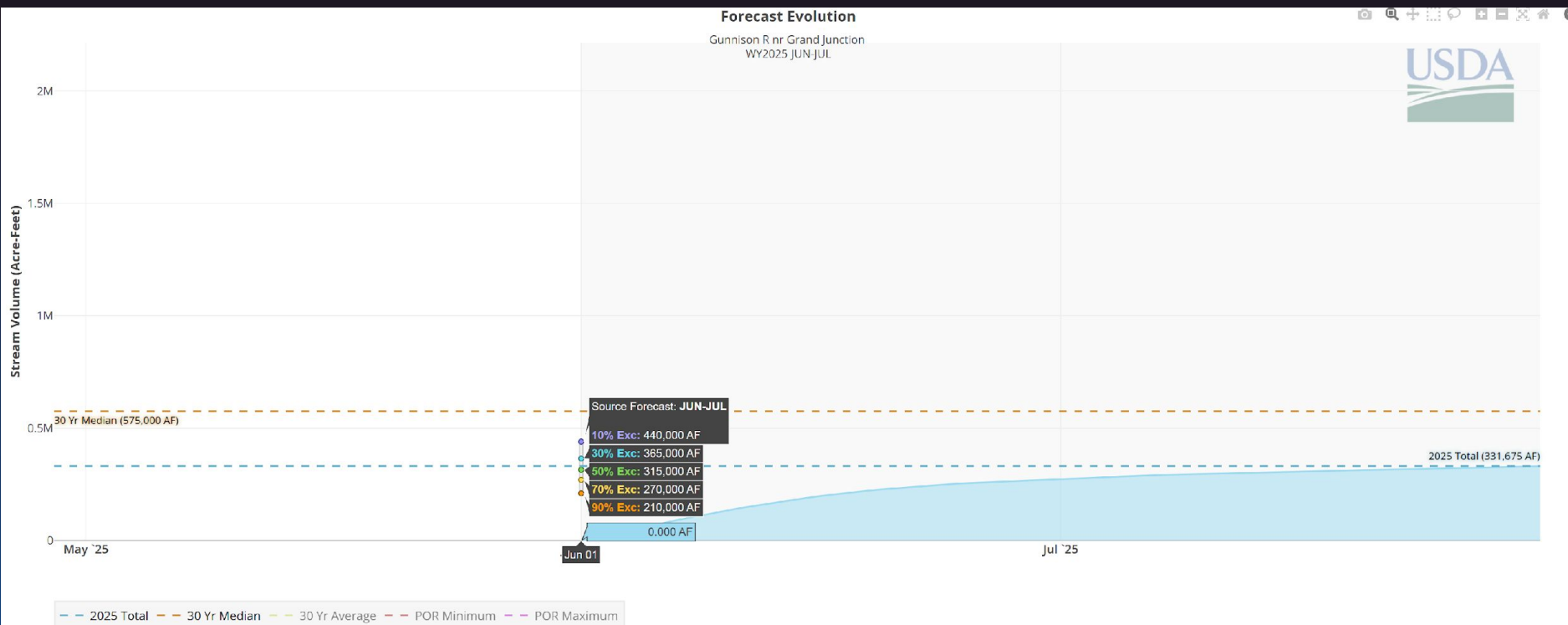


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Streamflow Forecast Volume (70% Exceedance Probability, kac-ft.), June - July, June 1, 2025

Value:	795	Anomaly (POR):	-504.966
POR Median:	1,299.966	NRCS 1991-2020 Median:	1,360
% of POR Median:	61%	% of NRCS 1991-2020 Median:	58%
POR Average:	1,386.655	NRCS 1991-2020 Average:	1,380
% of POR Average:	57%	% of NRCS 1991-2020 Average:	58%
Observed:	769.499	Error Value (Obs - Forecast):	-25.501
Error as % of Observed:	-3%	Exceedance Probability Category:	70-90%
Error as % NRCS Average:	-2%	Error as % POR Average:	-2%
Error as % NRCS Median:	-2%	Error as % POR Median:	-2%
Percentile (POR):	15	# of Observations (POR):	73
Maximum (POR) (year):	3,244.117 (2011)	Maximum Rank (POR):	63
Minimum (POR) (year):	312.678 (2002)	Minimum Rank (POR):	12



Streamflow Forecast Volume (50% Exceedance Probability, kac-ft.), June - July, June 1, 2025

Value:	315	Anomaly (POR):	-341.181
POR Median:	656.181	NRCS 1991-2020 Median:	575
% of POR Median:	48%	% of NRCS 1991-2020 Median:	55%
POR Average:	692.583	NRCS 1991-2020 Average:	640
% of POR Average:	45%	% of NRCS 1991-2020 Average:	49%
Observed:	331.675	Error Value (Obs - Forecast):	16.675
Error as % of Observed:	5%	Exceedance Probability Category:	30-50%
Error as % NRCS Average:	3%	Error as % POR Average:	2%
Error as % NRCS Median:	3%	Error as % POR Median:	3%
Percentile (POR):	16	# of Observations (POR):	116
Maximum (POR) (year):	2,013.823 (1957)	Maximum Rank (POR):	98
Minimum (POR) (year):	74.919 (2002)	Minimum Rank (POR):	20

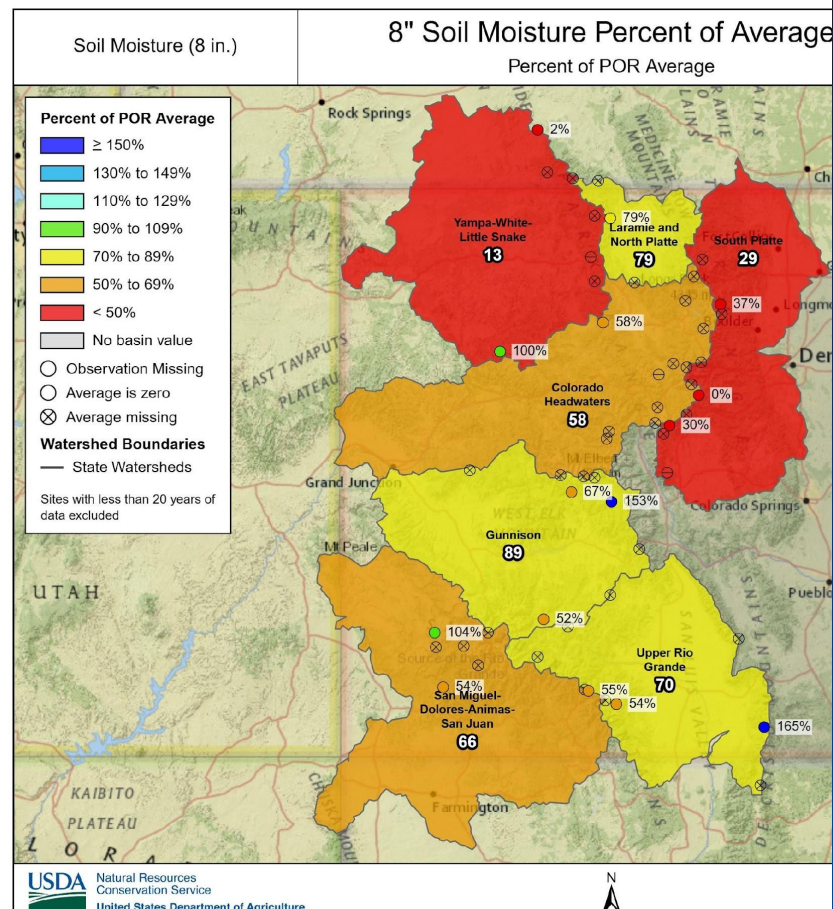
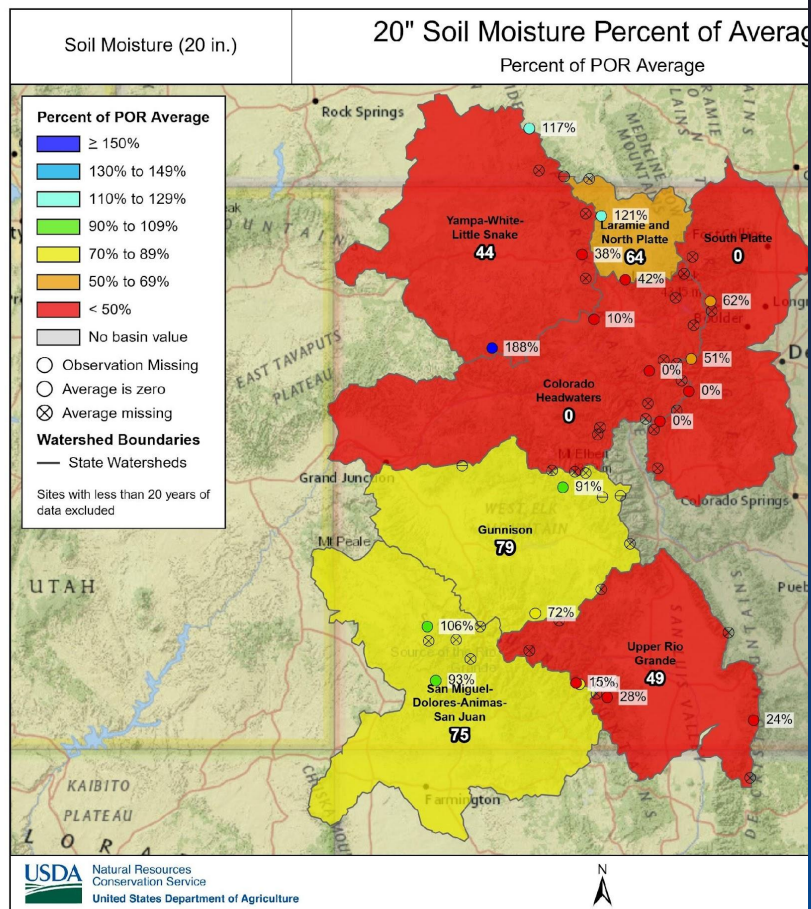


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Soil Moisture

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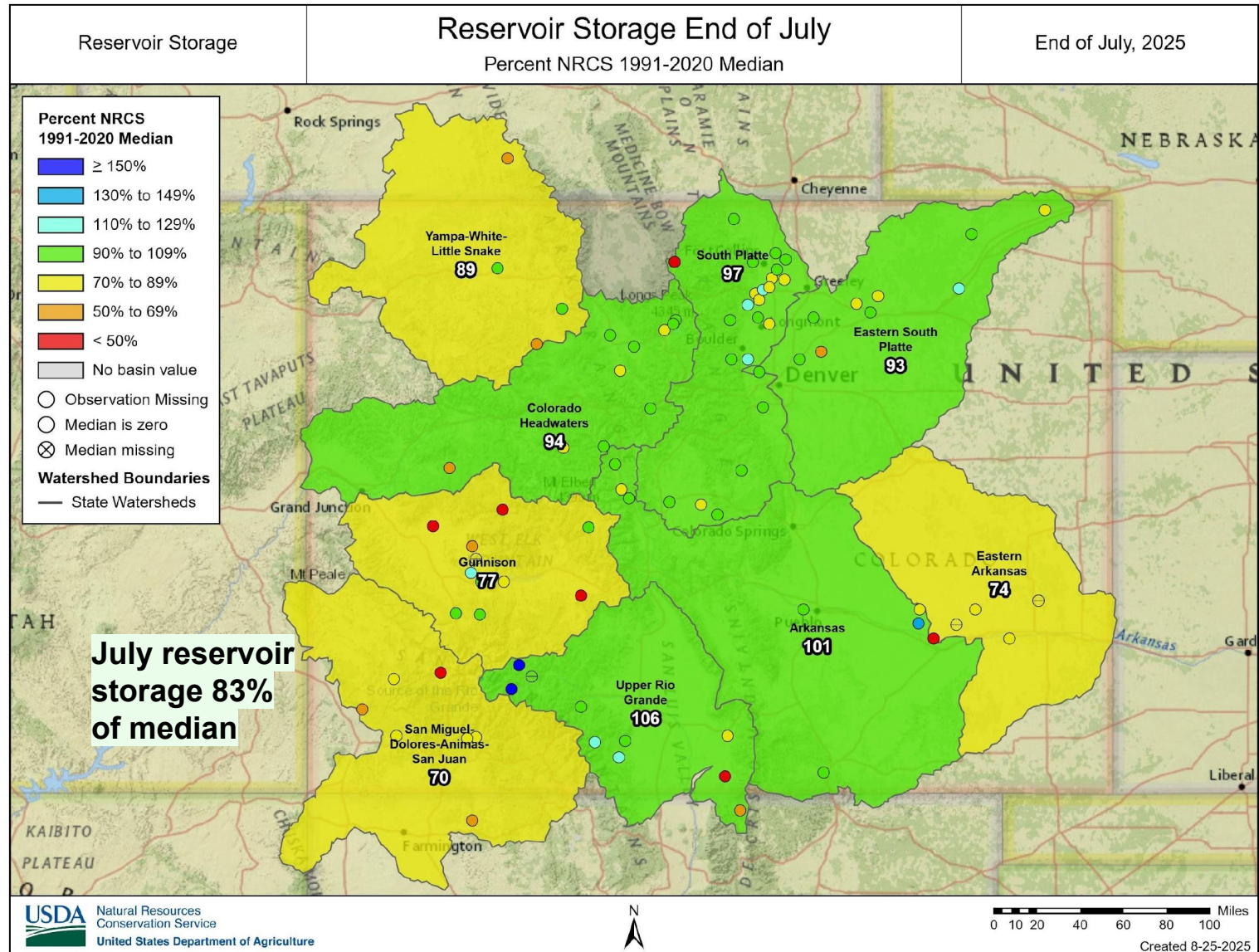
Soil moisture 20" is at 68% of median. 8" VWC is at 67% of median



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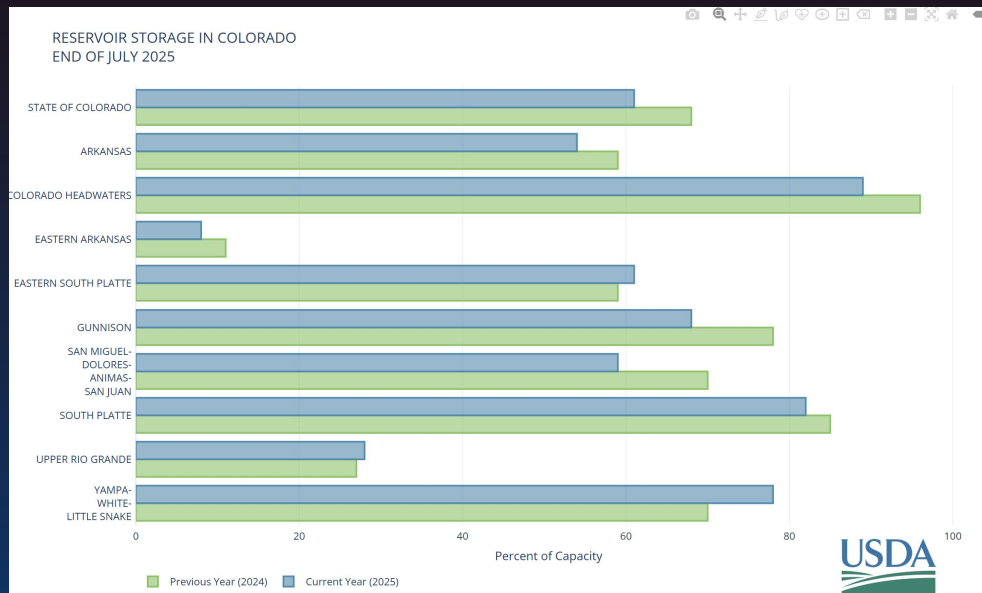
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Reservoirs





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Statewide Reservoir % of capacity is at 61% compared to 68% August 1st 2024

Blue Mesa Reservoir 71% of median and 63% of capacity

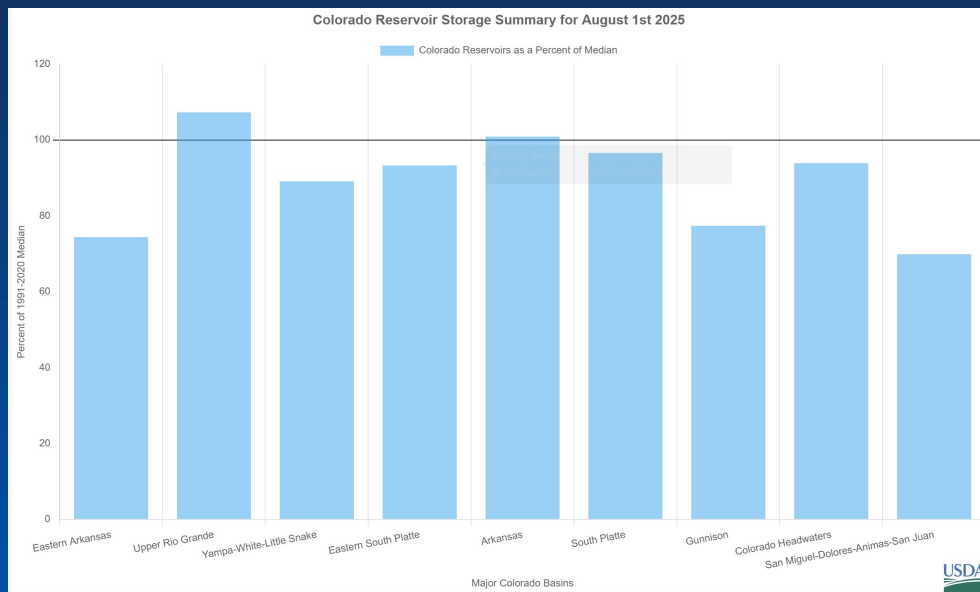
McPhee Reservoir 68% of median and 59% of capacity

Lake Granby 101% of median and 94% of capacity

Pueblo Reservoir 108% of median and 58% of capacity

Dillon Reservoir 95% of median and 93% of capacity

Navajo Reservoir 69% of median and 58% of capacity



Summary

- Statewide WYTD precipitation is 81% of median. Ranging from 75% in the combined SMDASJ to 91% in the Arkansas. Month to date precipitation is 53% of median
- The monsoon has finally arrived! Outlooks favor increased moisture over the next 2 weeks statewide.
- Statewide reservoir storage is at 83% of median an 10% decrease from this time last year
- Soil moisture readings at both 8" and 20" depths show decreased saturation in response to dry precipitation patters.
- Statewide observed streamflow is roughly half of historical averages statewide at 48% of median.



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