



United States Department of Agriculture

Colorado Snow Surveys

Water Conditions Monitoring Committee Meeting

May 20th, 2025

NRCS Snow Survey and Water Supply Forecasting Program

Brian Domonkos

Hydrologist

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720-544-2853

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

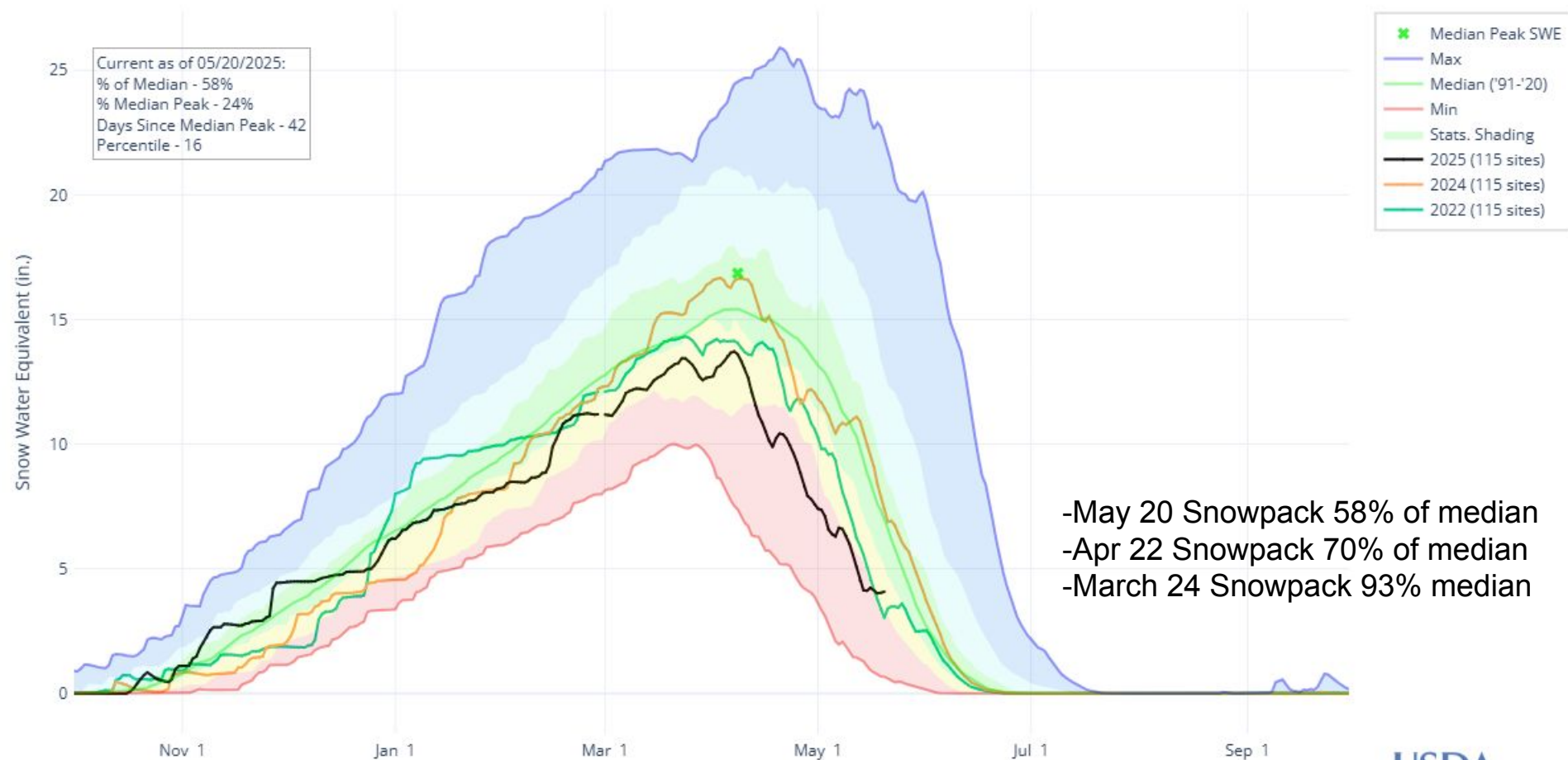


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Snowpack

SNOW WATER EQUIVALENT IN STATE OF COLORADO

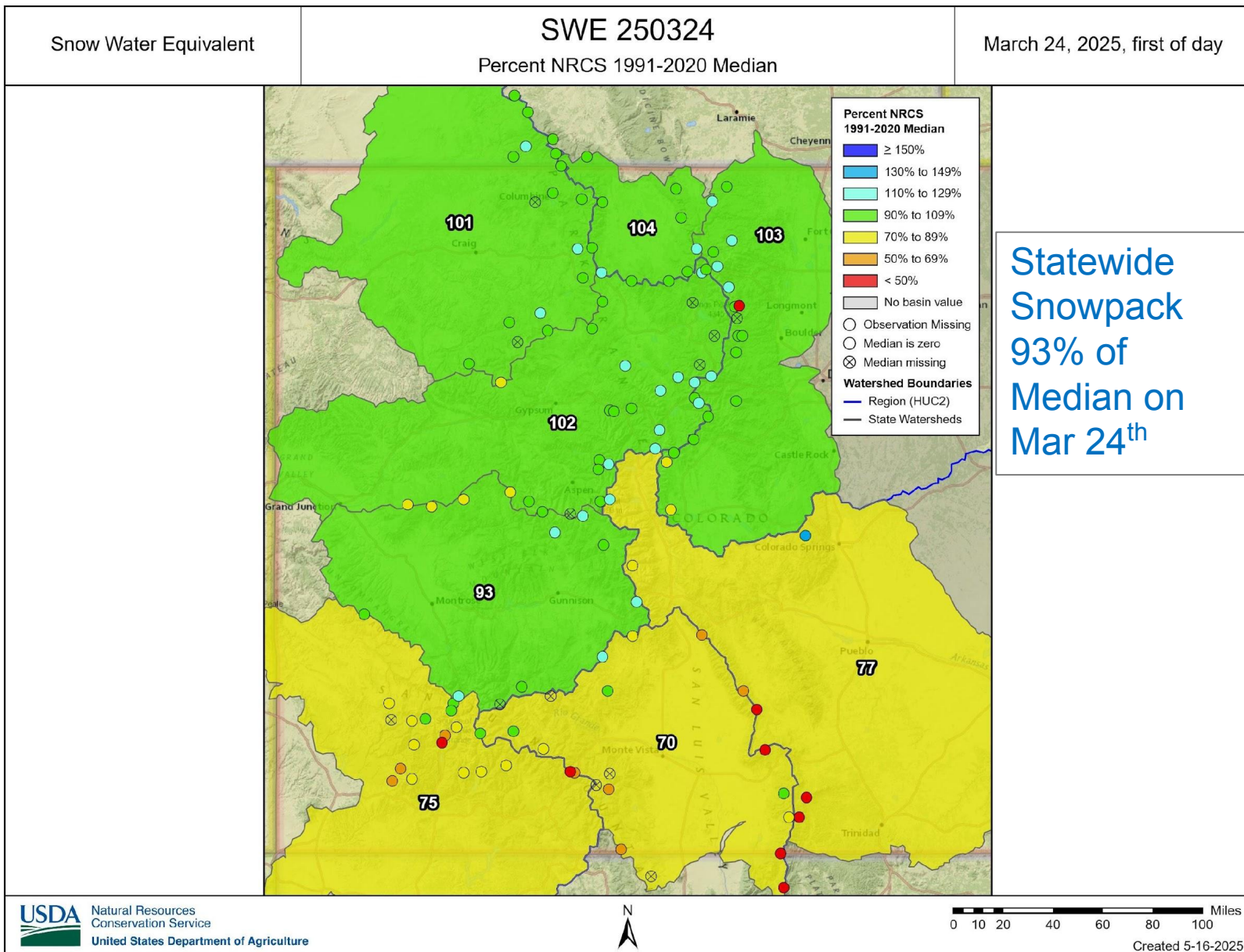




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Snowpack as of March 24th

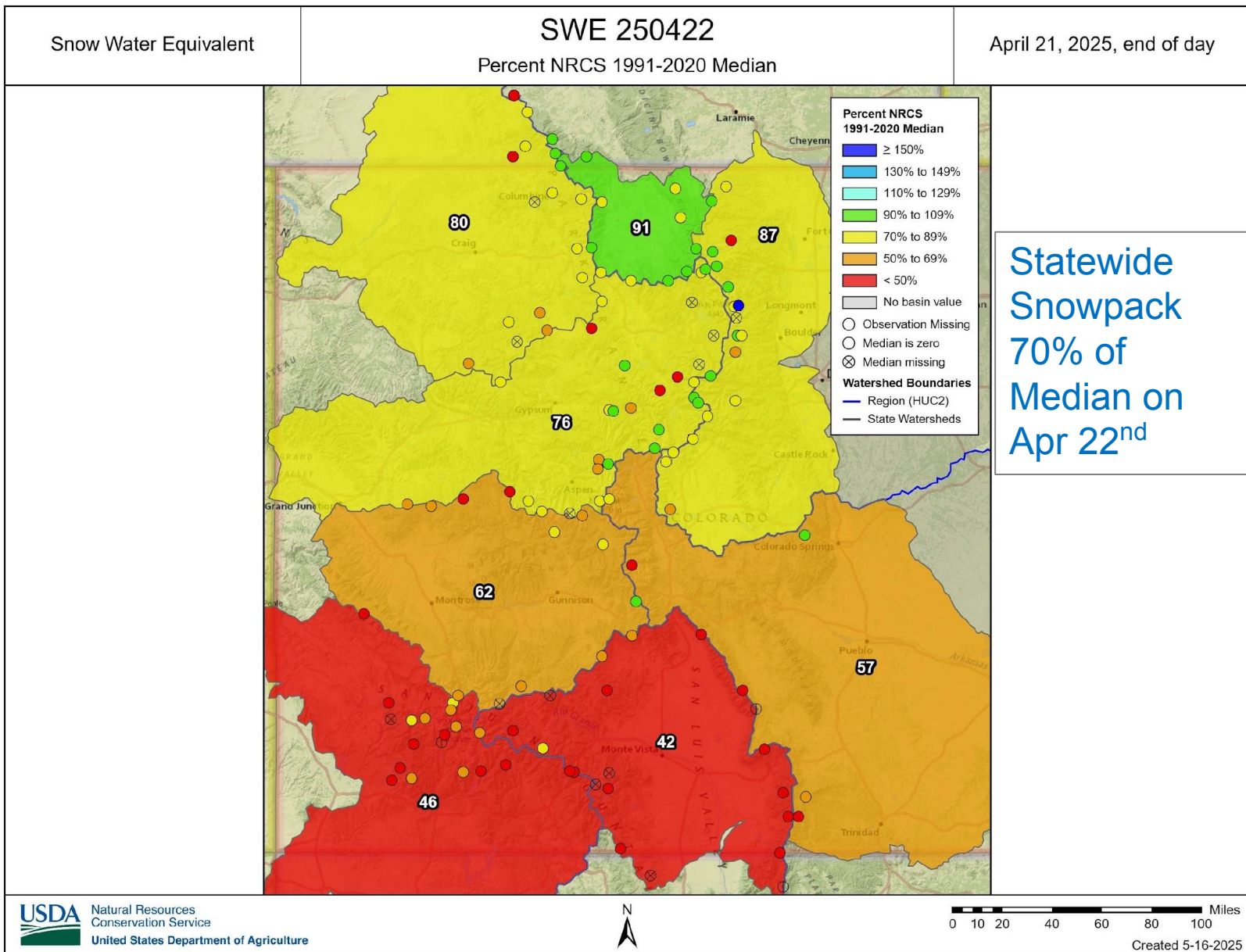




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Snowpack as of April 22nd

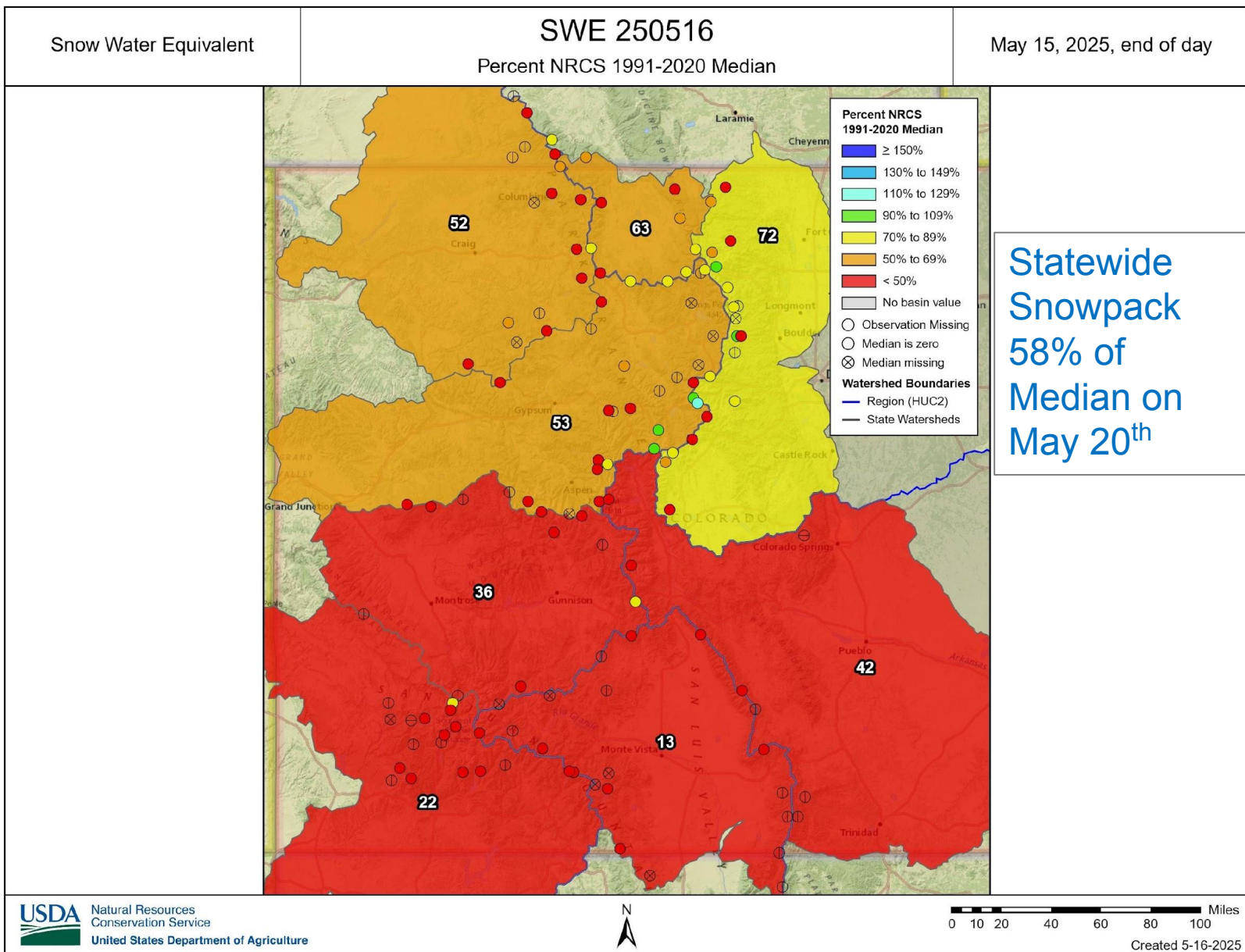




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Snowpack as of May 16th

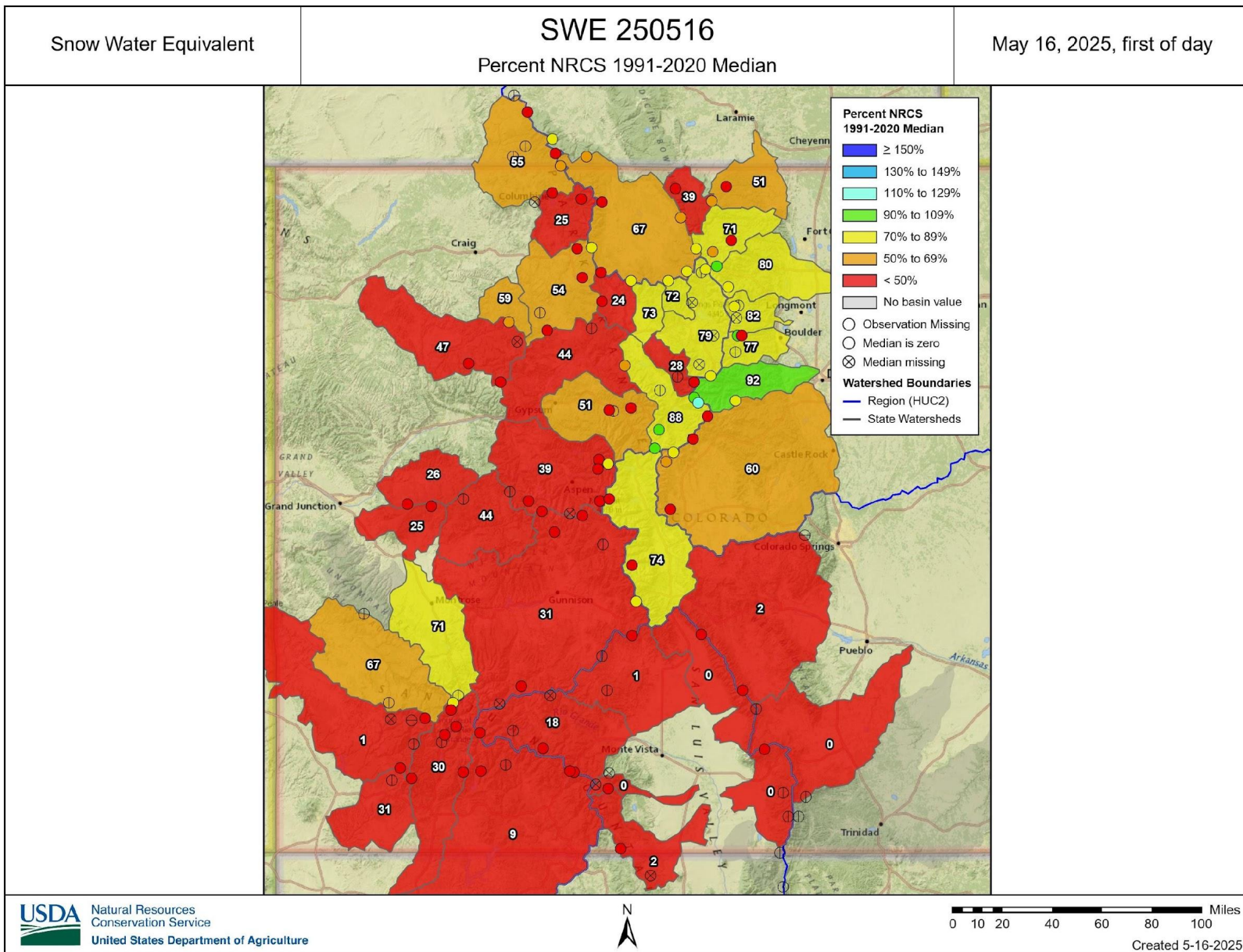




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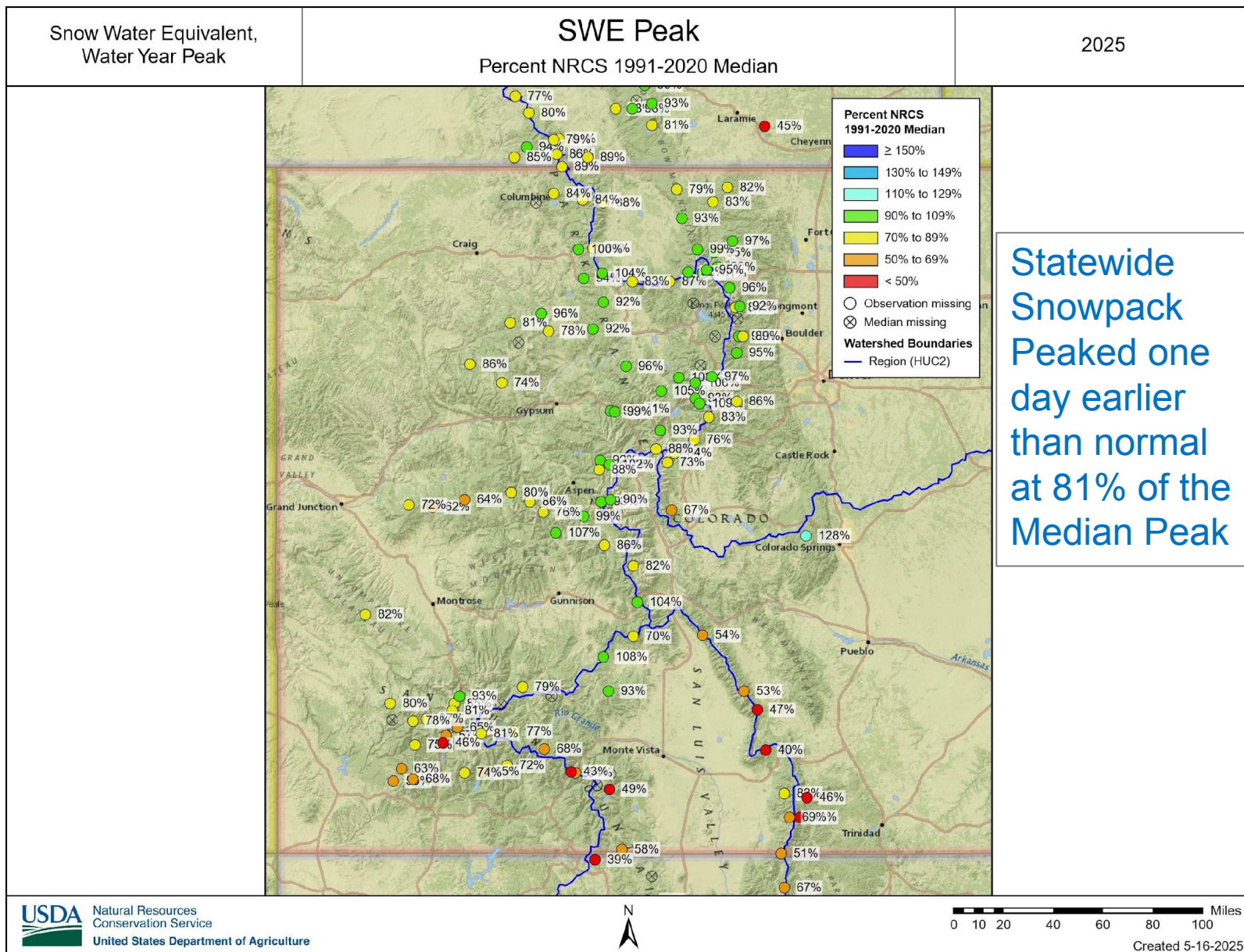
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Snowpack as of May 16th



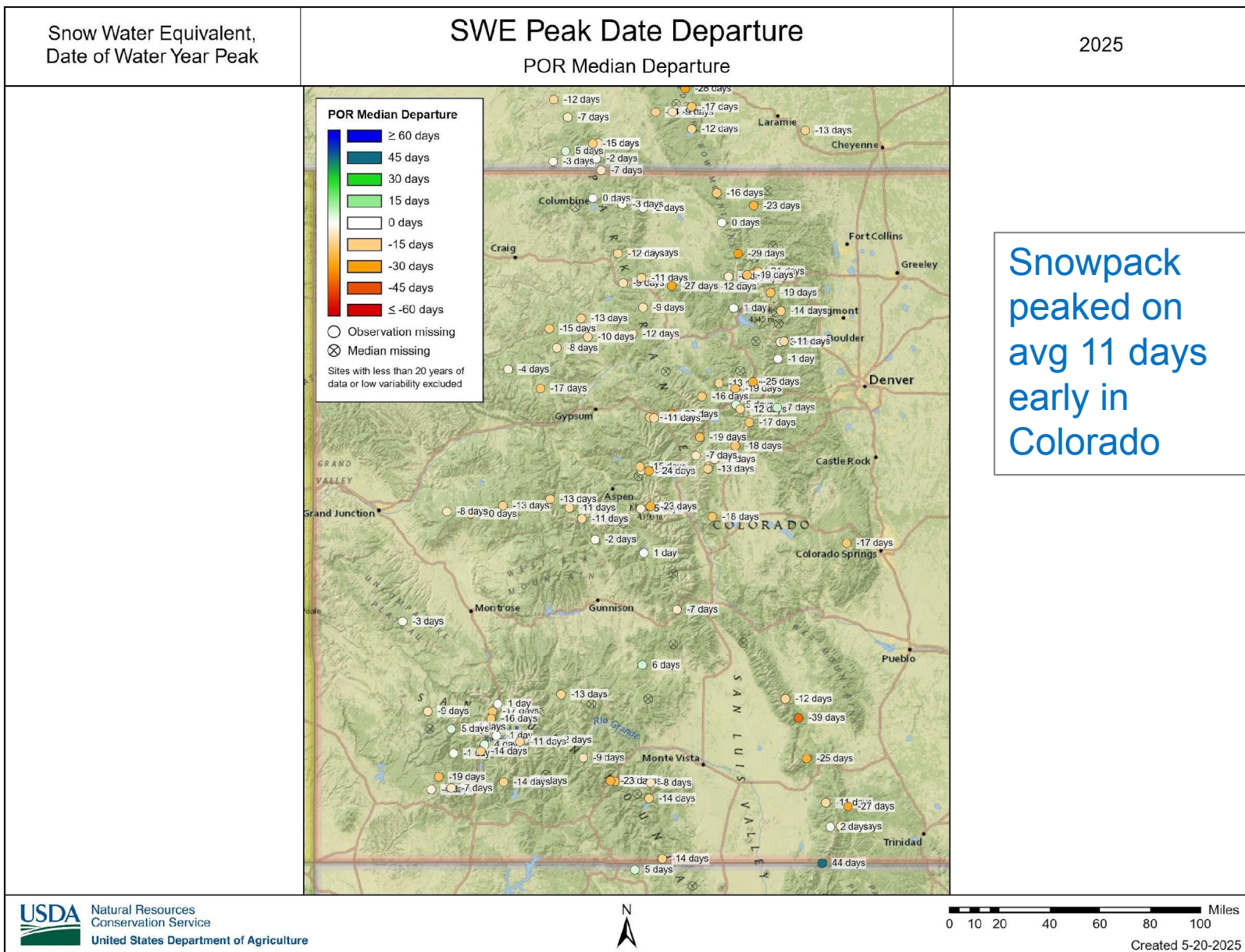


Snowpack as Percent of Median Peak





Snowpack Peak Date as Percentile



SNOW WATER EQUIVALENT IN SOUTH PLATTE

Reset Range

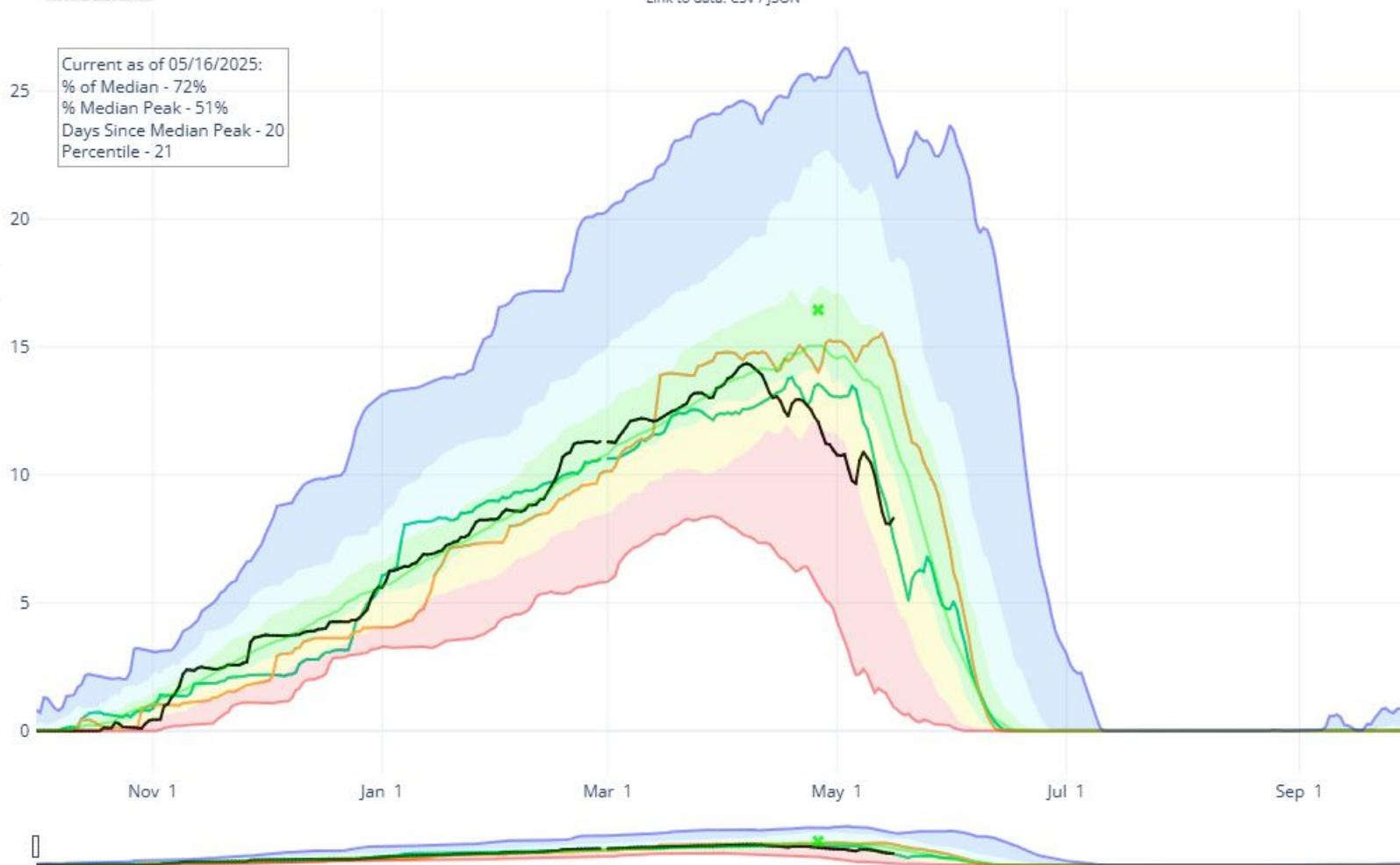
[Link to data: CSV / JSON](#)

Station List

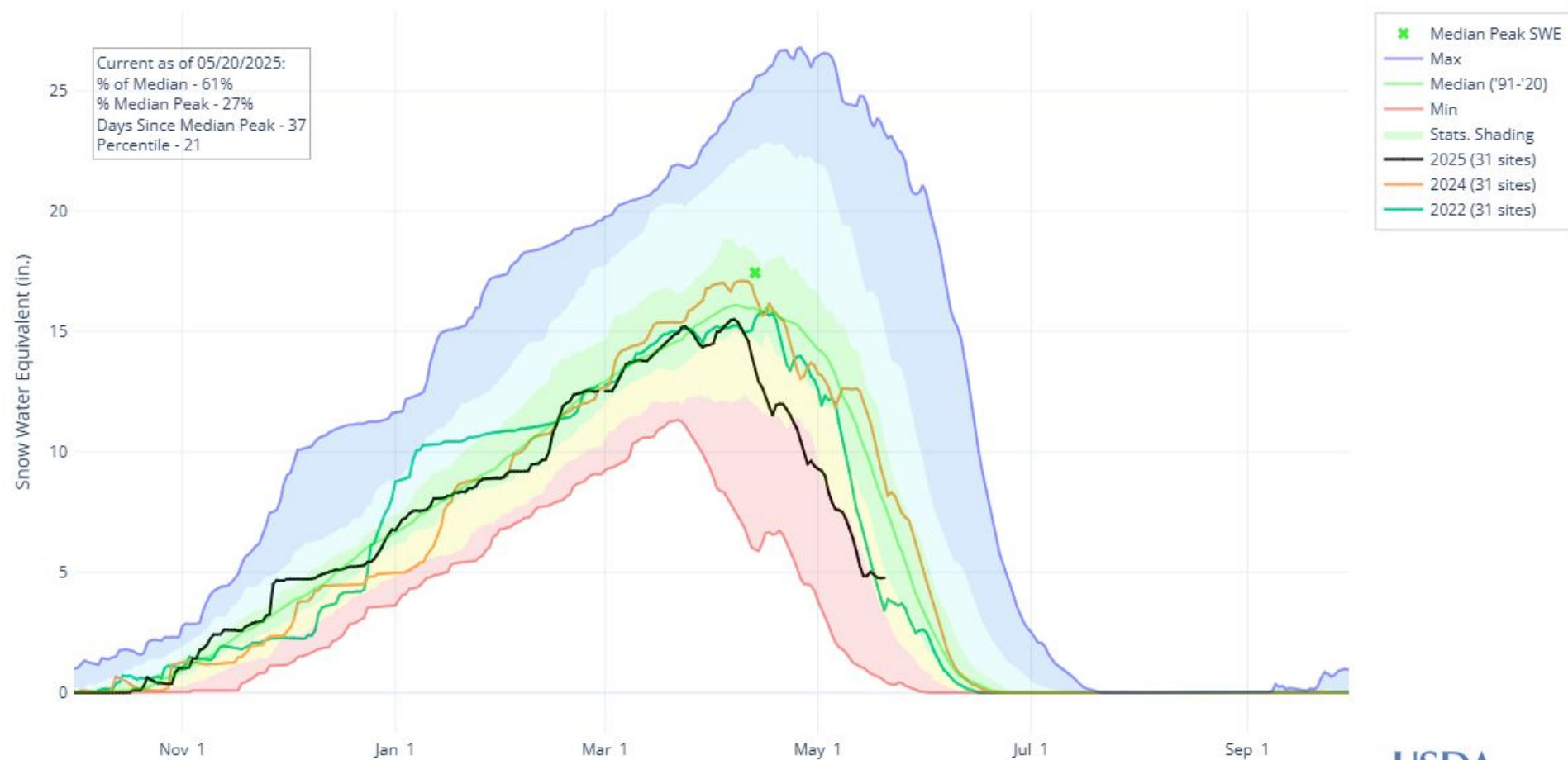
Current as of 05/16/2025:
 % of Median - 72%
 % Median Peak - 51%
 Days Since Median Peak - 20
 Percentile - 21

- ✖ Median Peak SWE
- Max
- Median ('91-'20)
- Min
- Stats. Shading
- 2025 (21 sites)
- 2024 (21 sites)
- 2022 (21 sites)

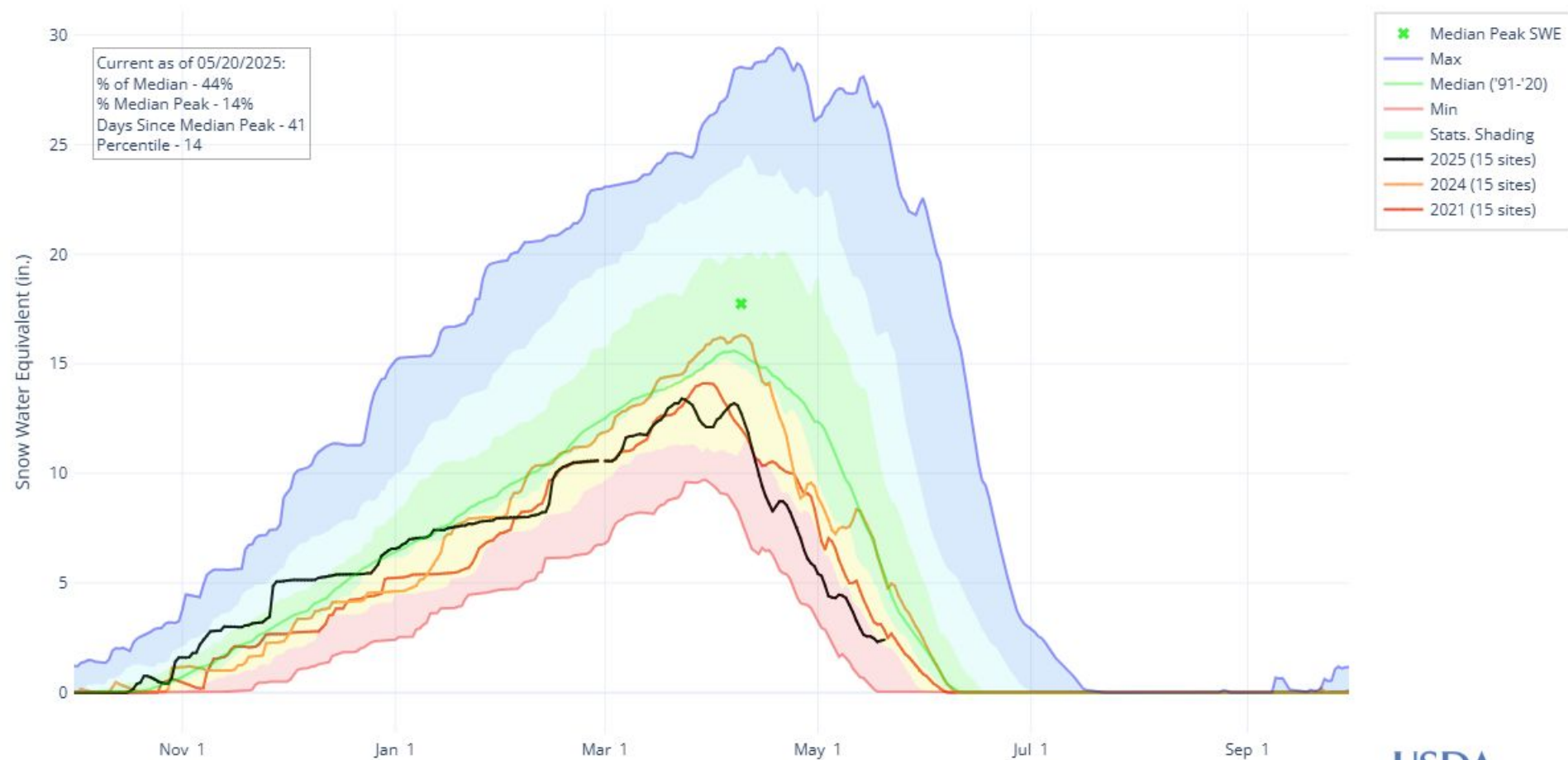
Snow Water Equivalent (in.)



SNOW WATER EQUIVALENT IN COLORADO HEADWATERS



SNOW WATER EQUIVALENT IN GUNNISON



SNOW WATER EQUIVALENT IN UPPER RIO GRANDE

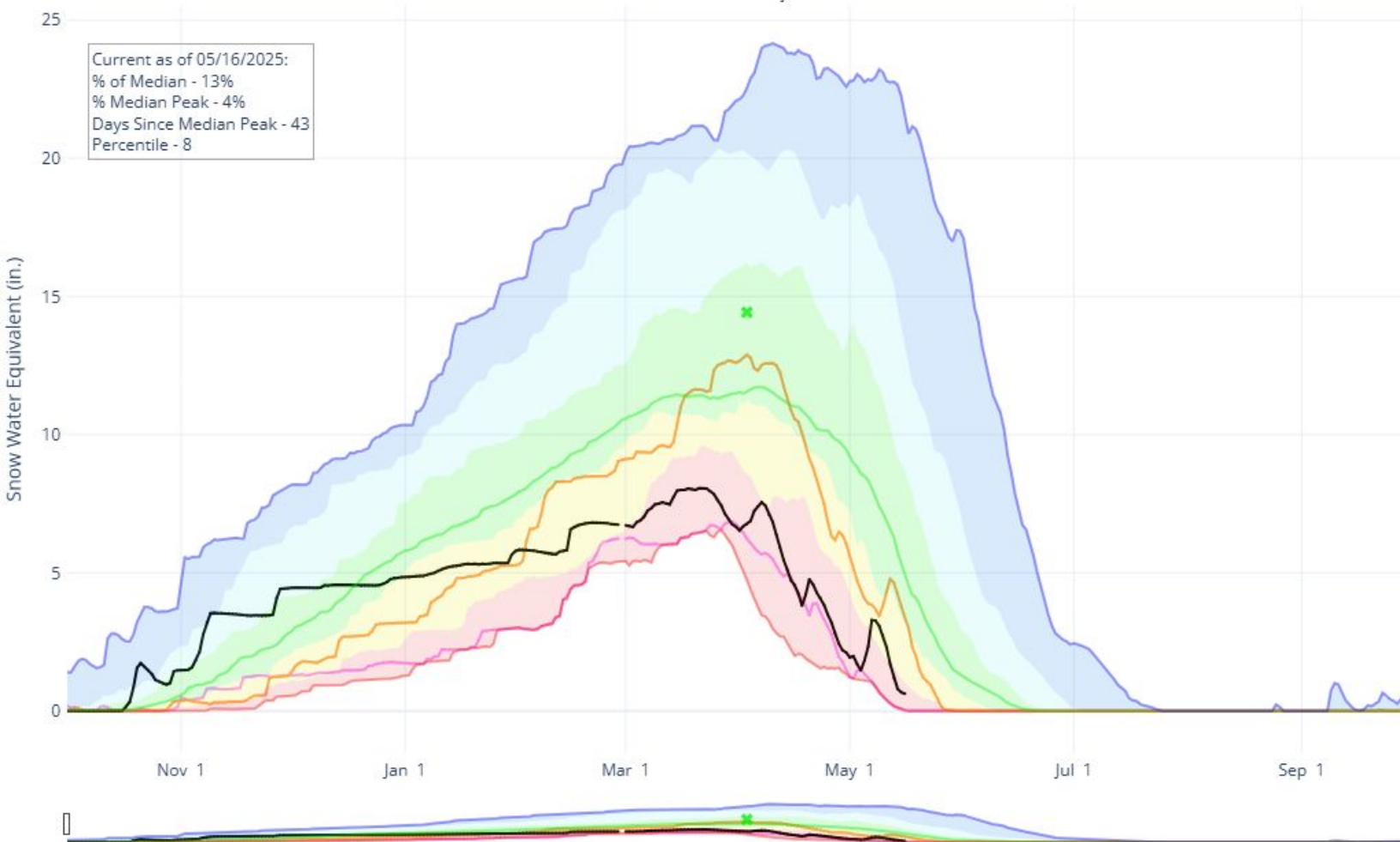
Reset Range

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

Station List

Current as of 05/16/2025:
 % of Median - 13%
 % Median Peak - 4%
 Days Since Median Peak - 43
 Percentile - 8

- ✱ Median Peak SWE
- Max
- Median ('91-'20)
- Min
- Stats. Shading
- 2025 (17 sites)
- 2024 (17 sites)
- 2018 (17 sites)

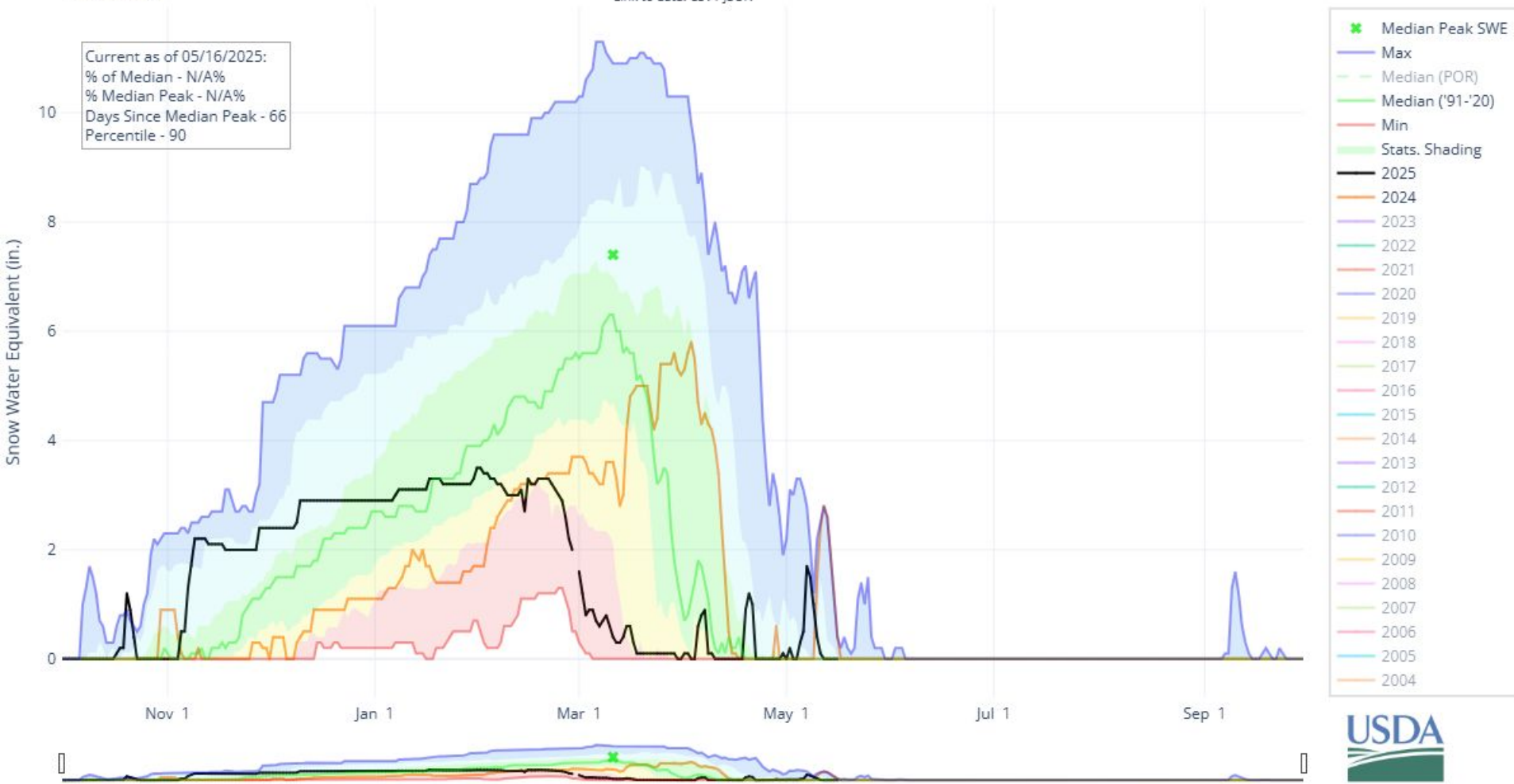


MEDANO PASS, CO (914) SNOW WATER EQUIVALENT

Reset Range

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

Current as of 05/16/2025:
 % of Median - N/A%
 % Median Peak - N/A%
 Days Since Median Peak - 66
 Percentile - 90





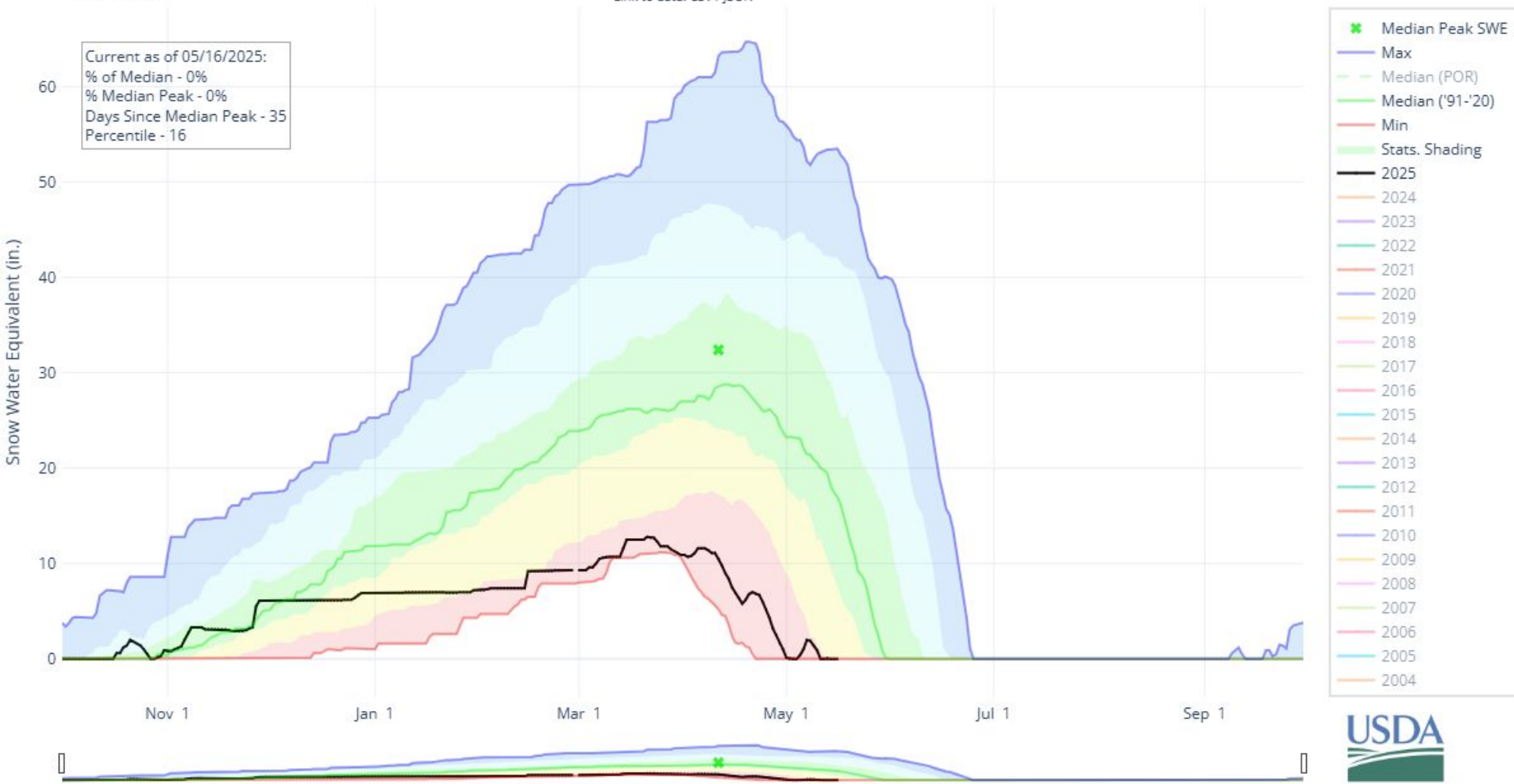
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UPPER SAN JUAN, CO (840) SNOW WATER EQUIVALENT

Reset Range

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

Current as of 05/16/2025:
% of Median - 0%
% Median Peak - 0%
Days Since Median Peak - 35
Percentile - 16





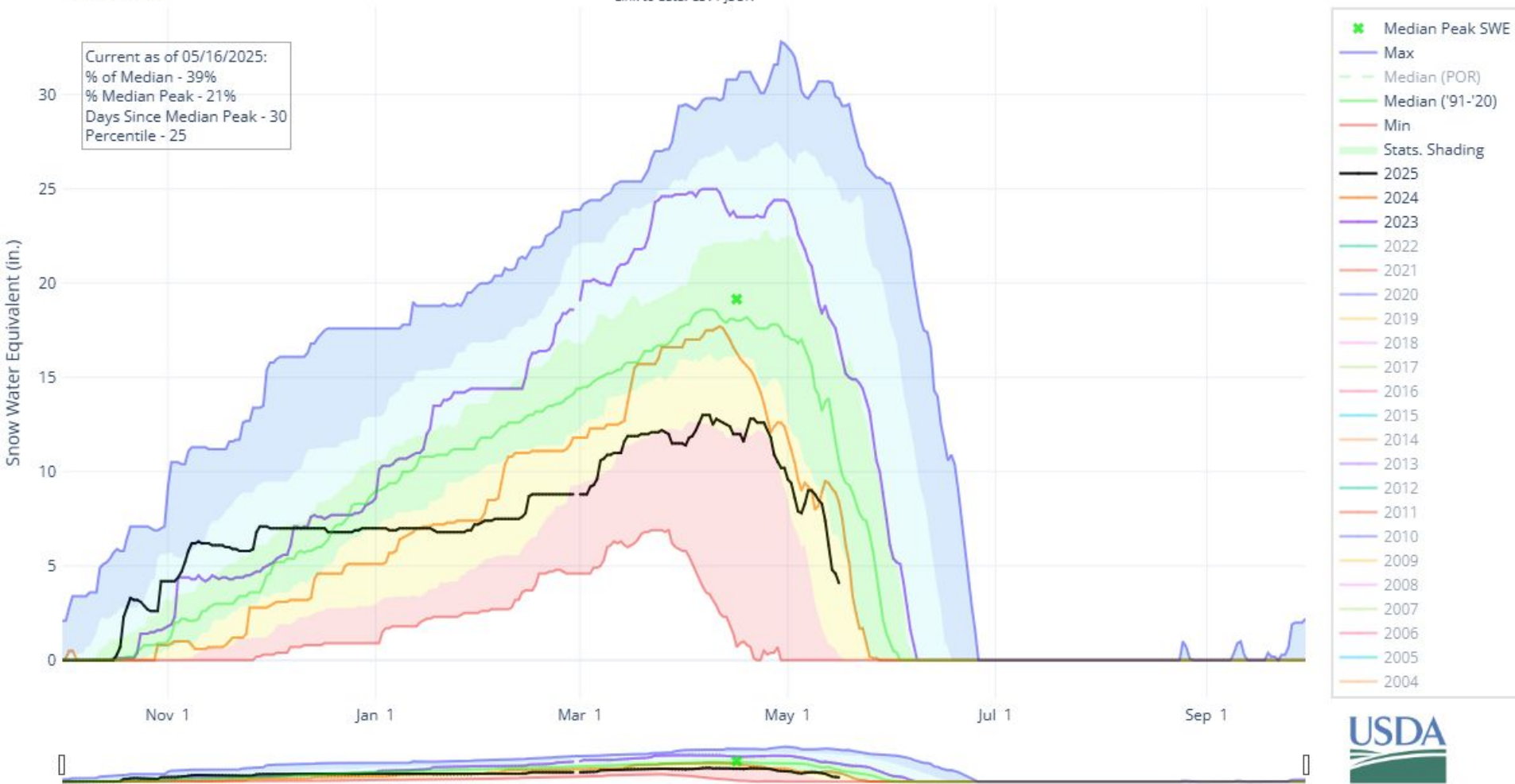
Colorado Snow Surveys

MIDDLE CREEK, CO (624) SNOW WATER EQUIVALENT

Reset Range

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

Current as of 05/16/2025:
% of Median - 39%
% Median Peak - 21%
Days Since Median Peak - 30
Percentile - 25



SNOW WATER EQUIVALENT IN ARKANSAS

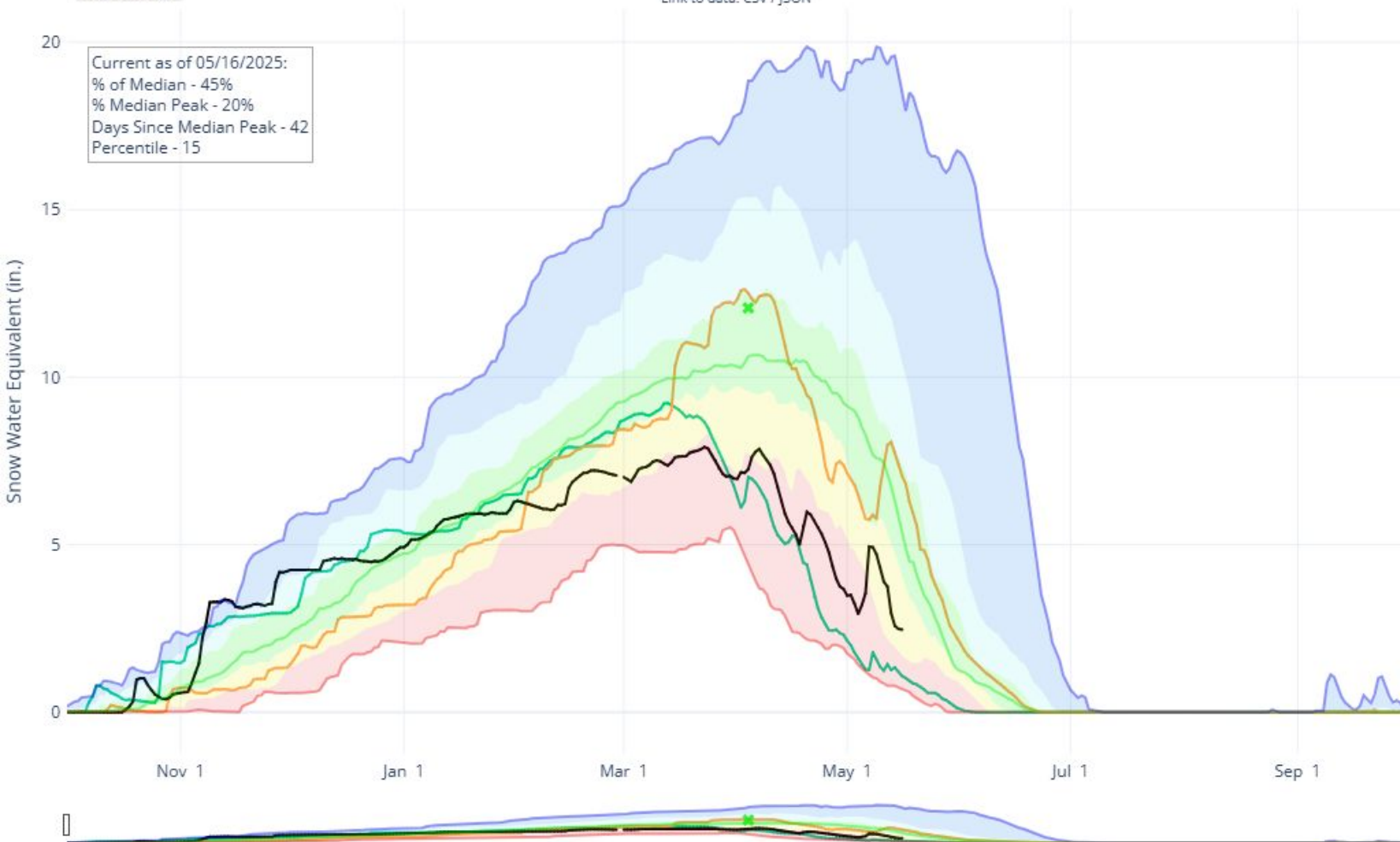
Reset Range

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

Station List

Current as of 05/16/2025:
 % of Median - 45%
 % Median Peak - 20%
 Days Since Median Peak - 42
 Percentile - 15

- ✱ Median Peak SWE
- Max
- Median ('91-'20)
- Min
- Stats. Shading
- 2025 (11 sites)
- 2024 (11 sites)
- 2012 (11 sites)



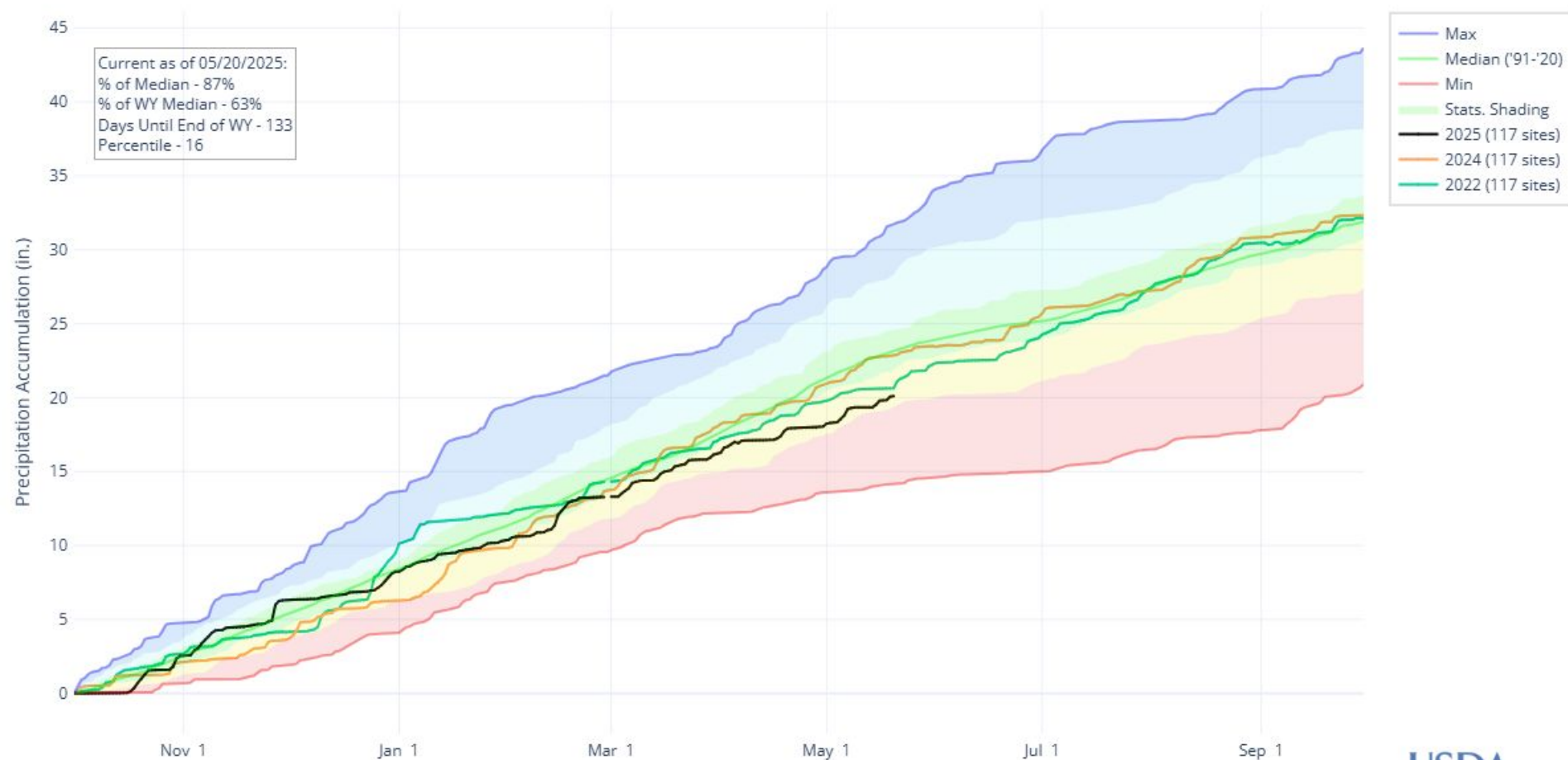


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Precipitation

PRECIPITATION ACCUMULATION IN STATE OF COLORADO



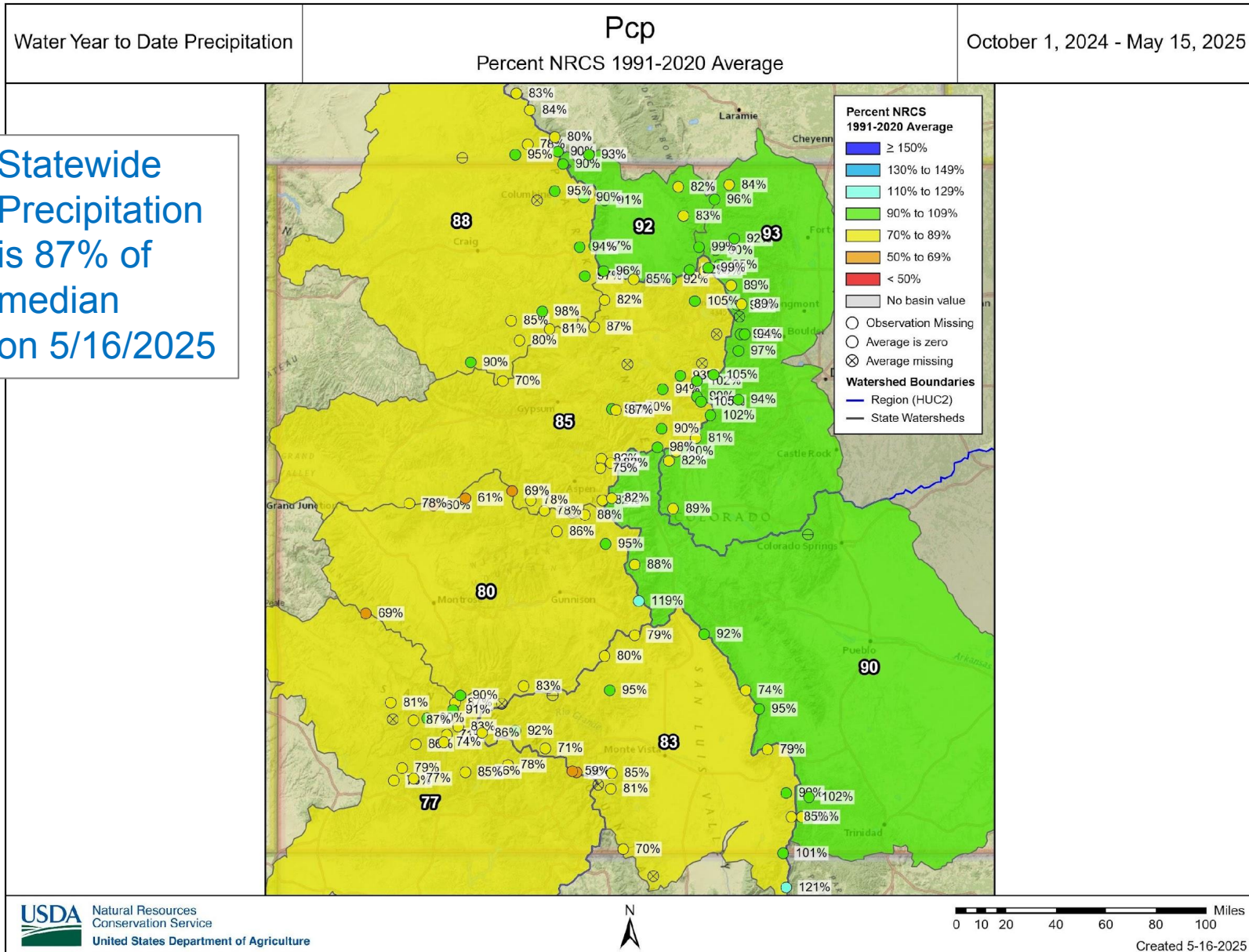


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WY25 Precipitation to Date

Statewide
Precipitation
is 87% of
median
on 5/16/2025





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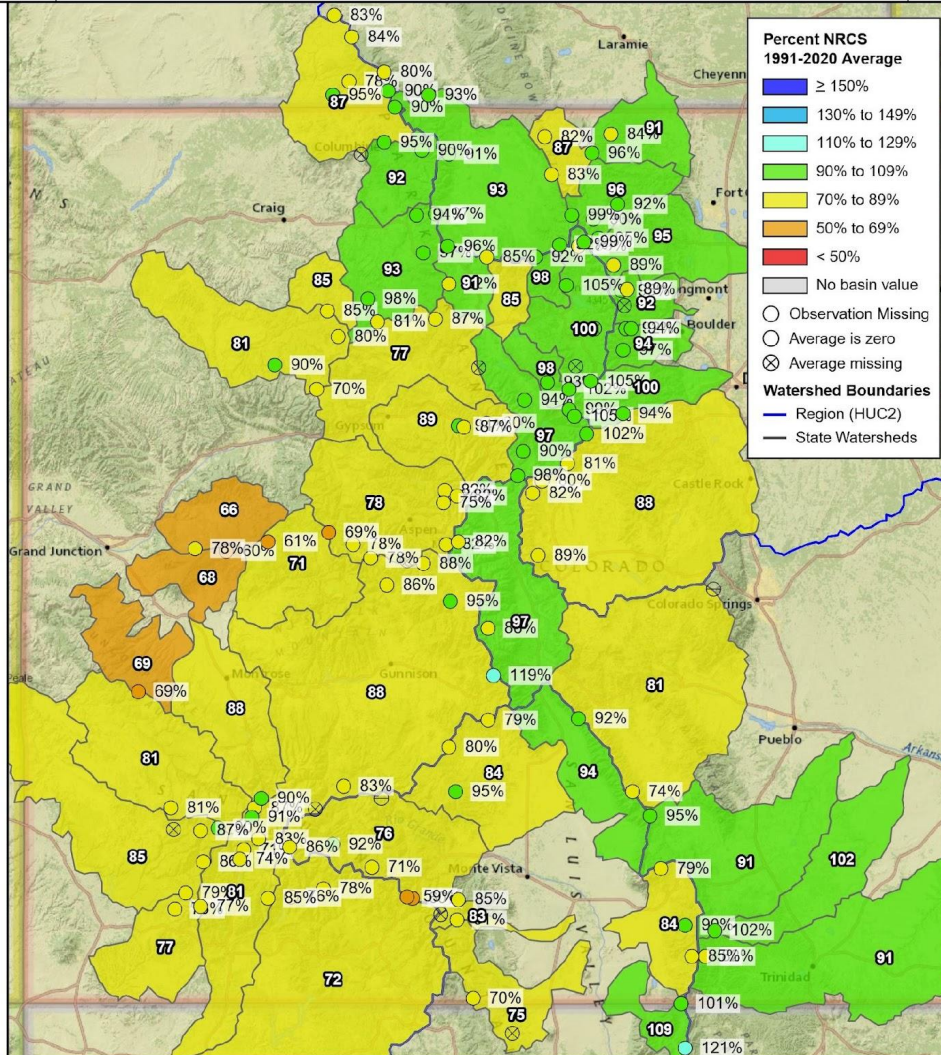
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Water Year to Date Precipitation

Pcp

Percent NRCS 1991-2020 Average

October 1, 2024 - May 15, 2025

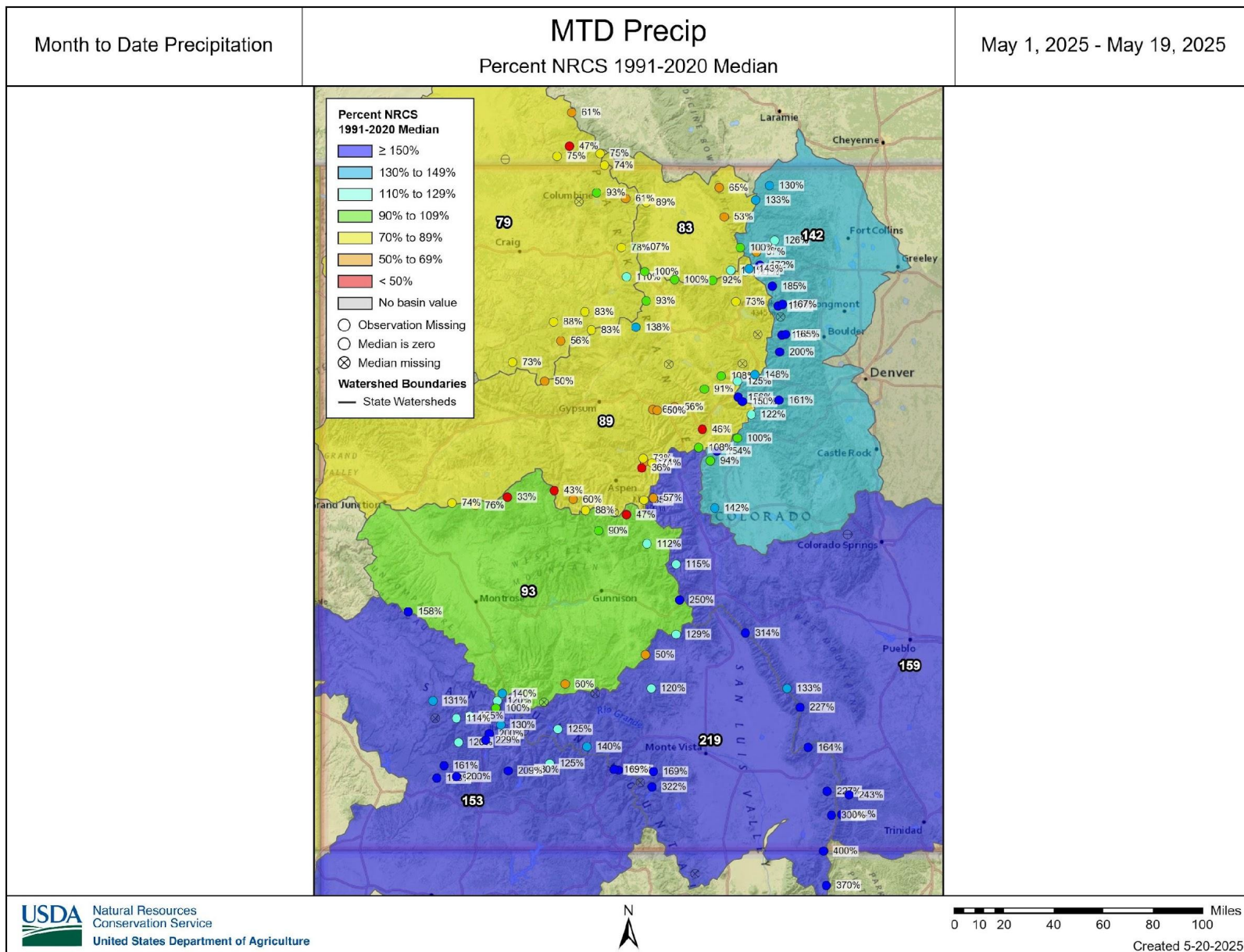




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May Precipitation Accumulation

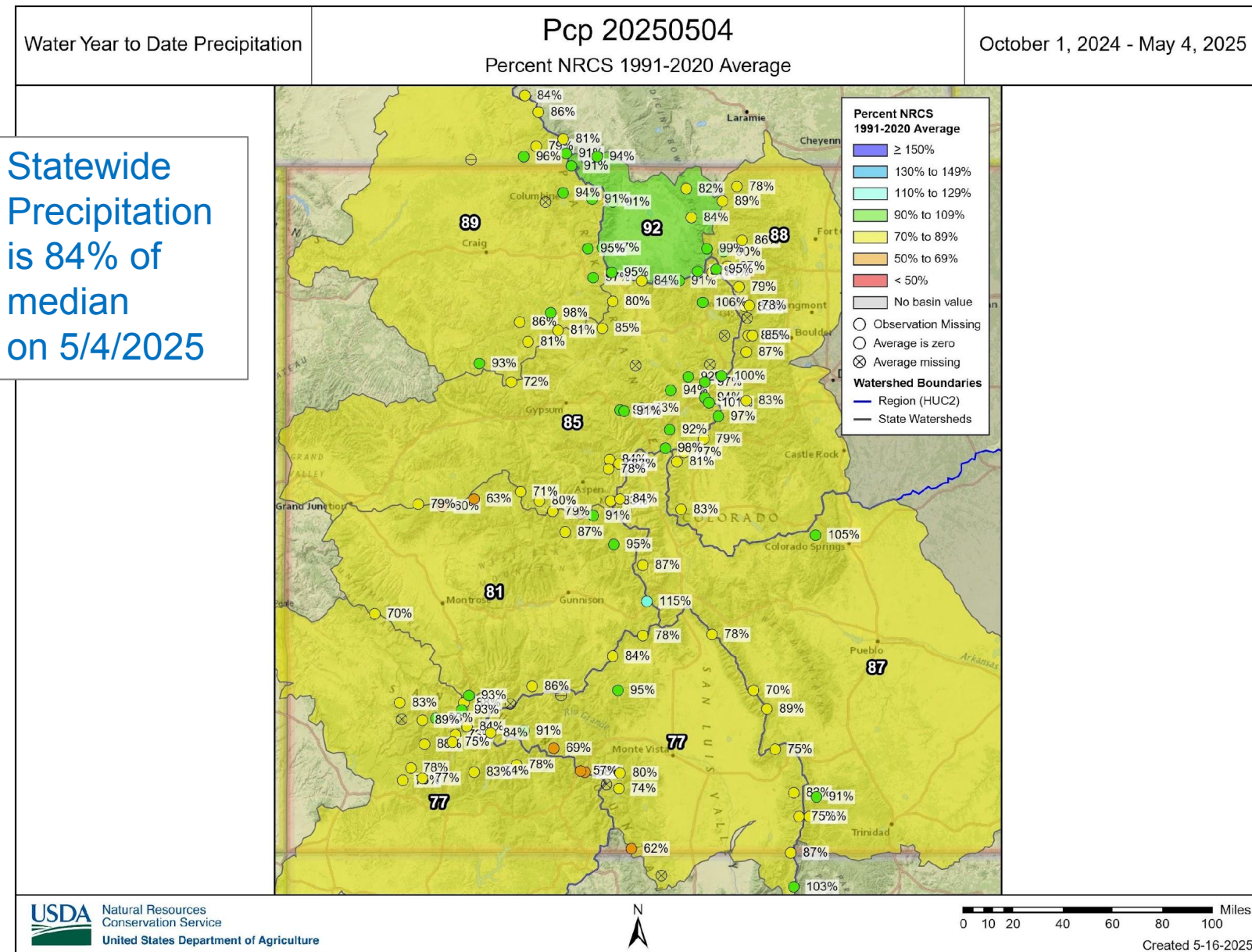




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WY25 Precipitation to Date



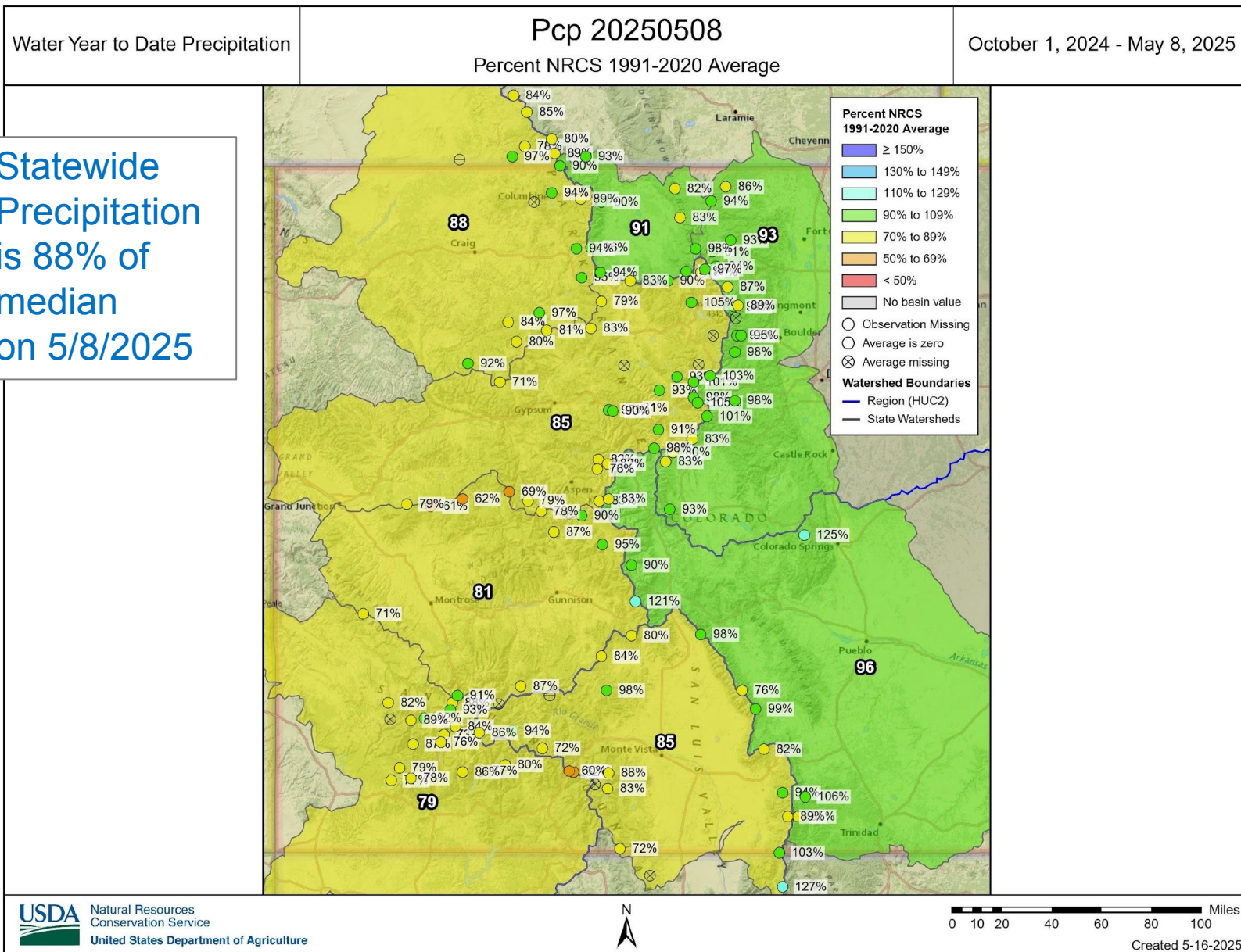


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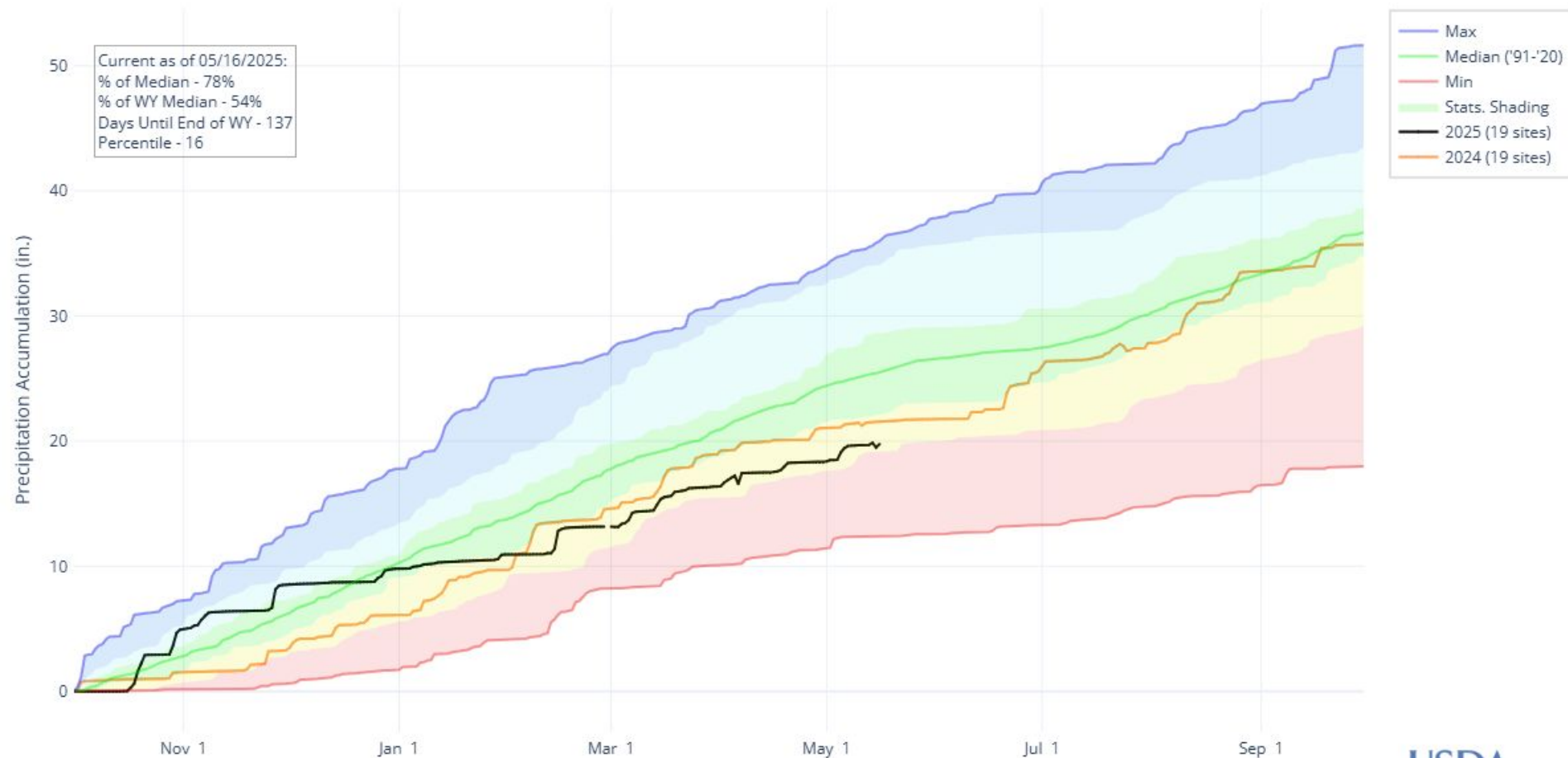
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WY25 Precipitation to Date

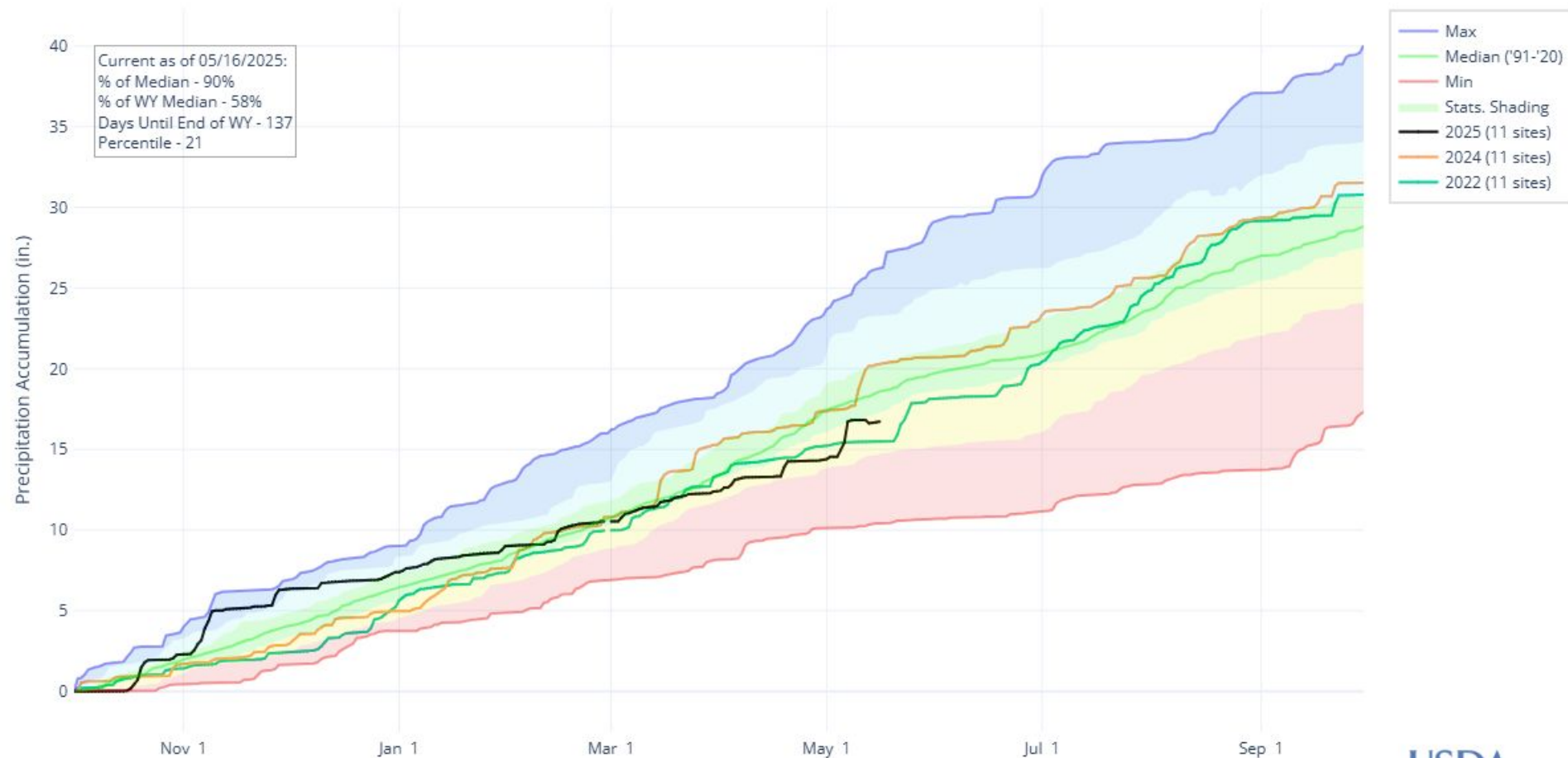
Statewide
Precipitation
is 88% of
median
on 5/8/2025



PRECIPITATION ACCUMULATION IN SAN MIGUEL-DOLORES-ANIMAS-SAN JUAN



PRECIPITATION ACCUMULATION IN ARKANSAS

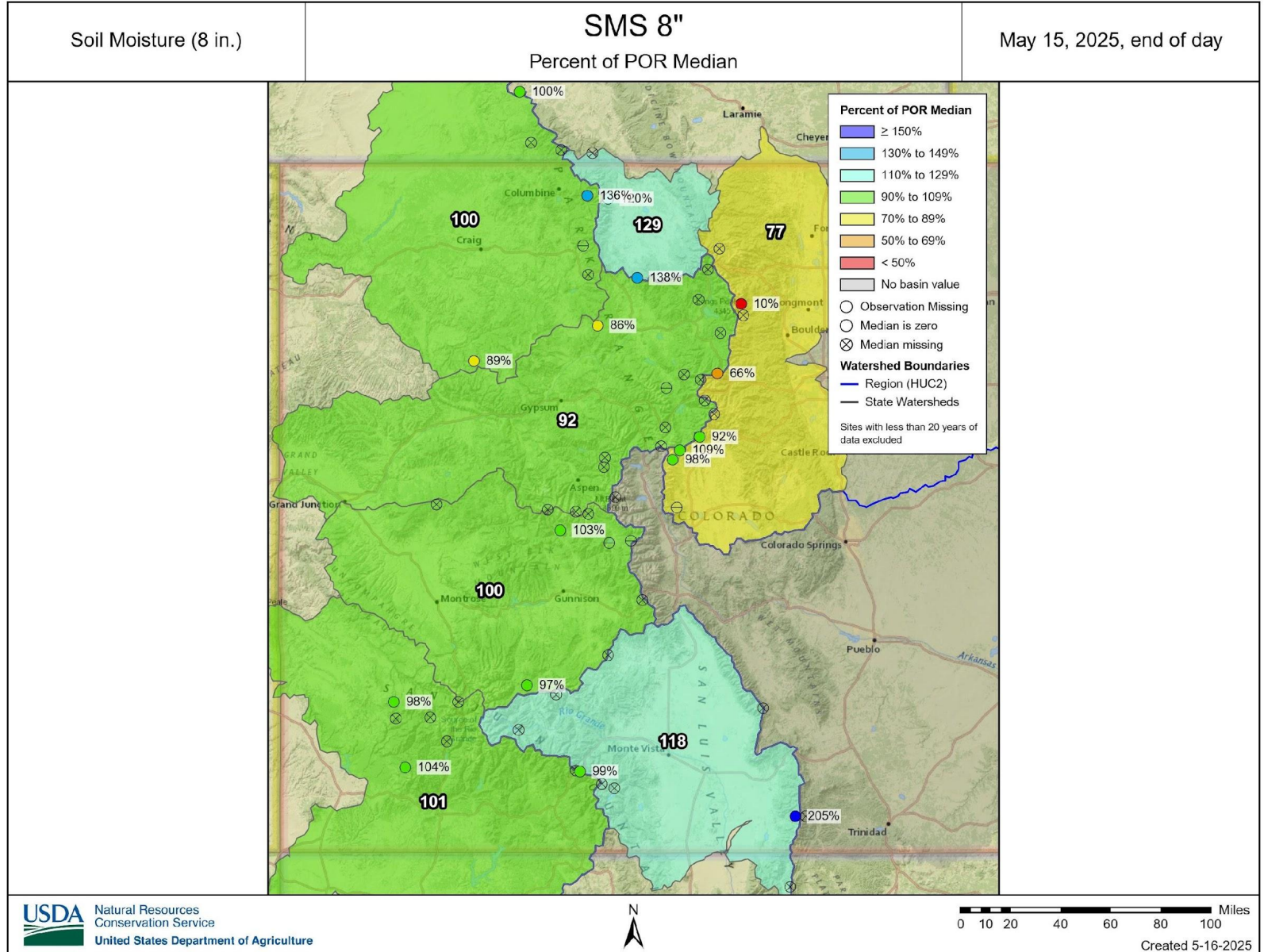


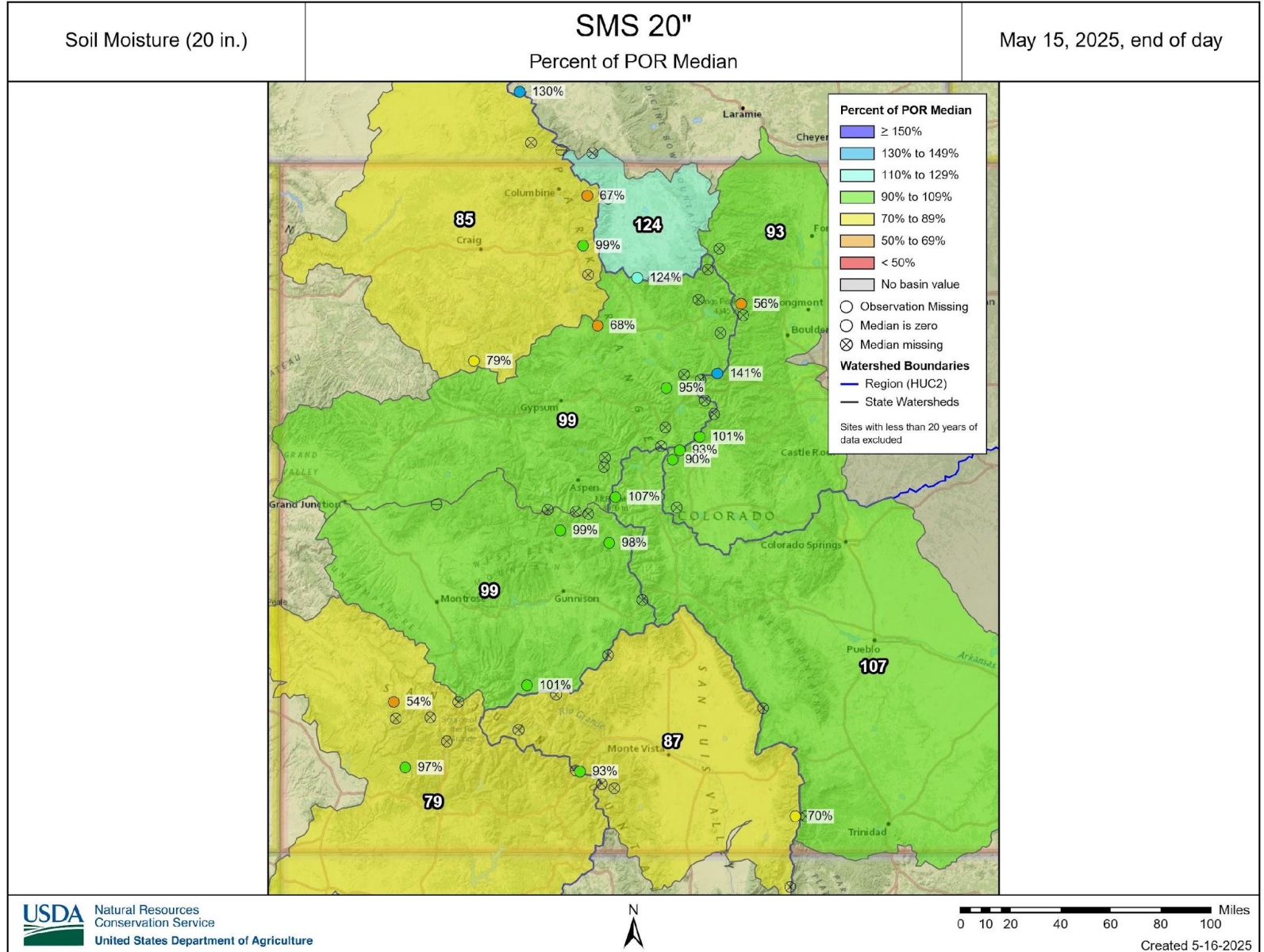


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Soil Moisture



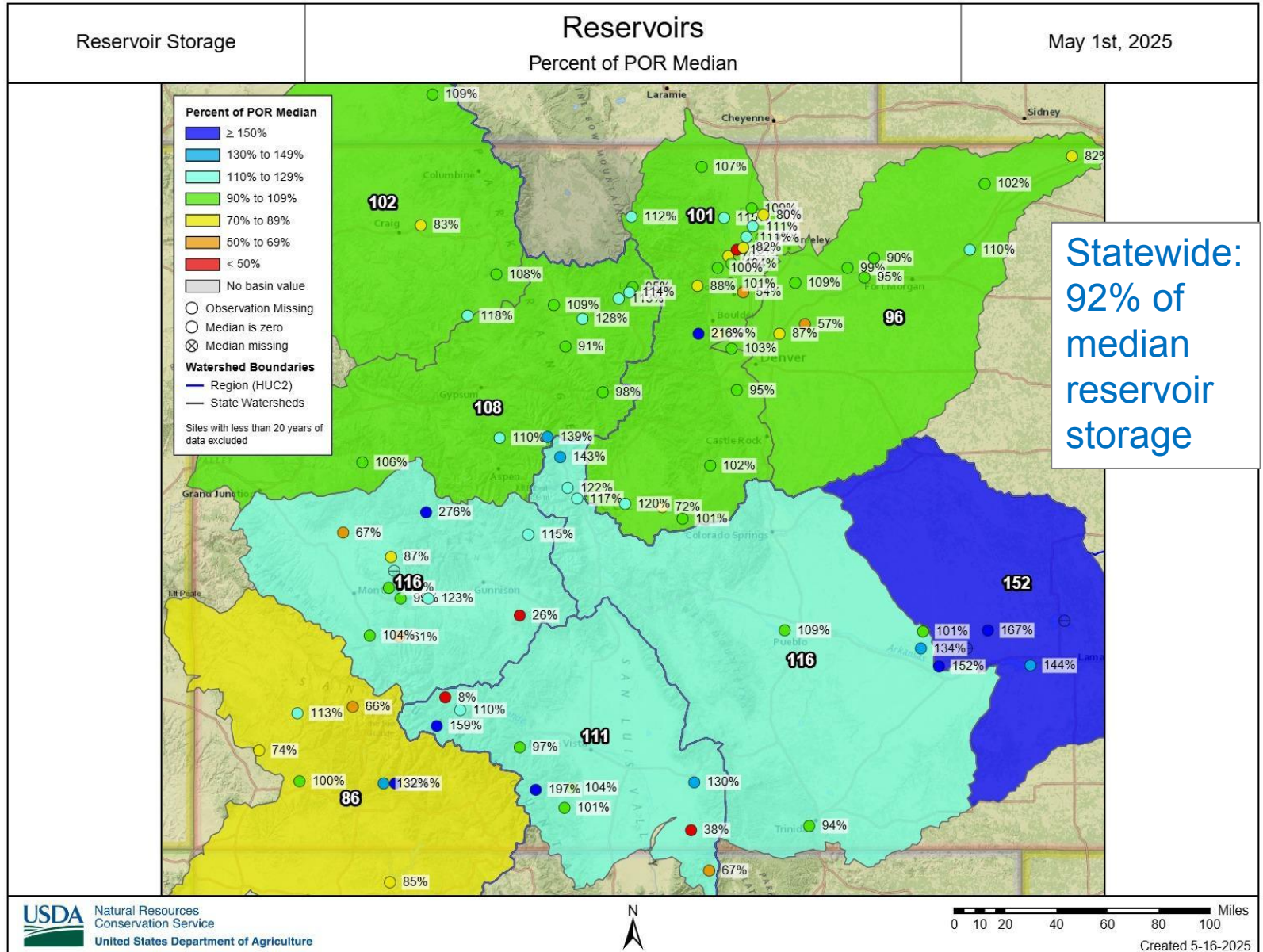




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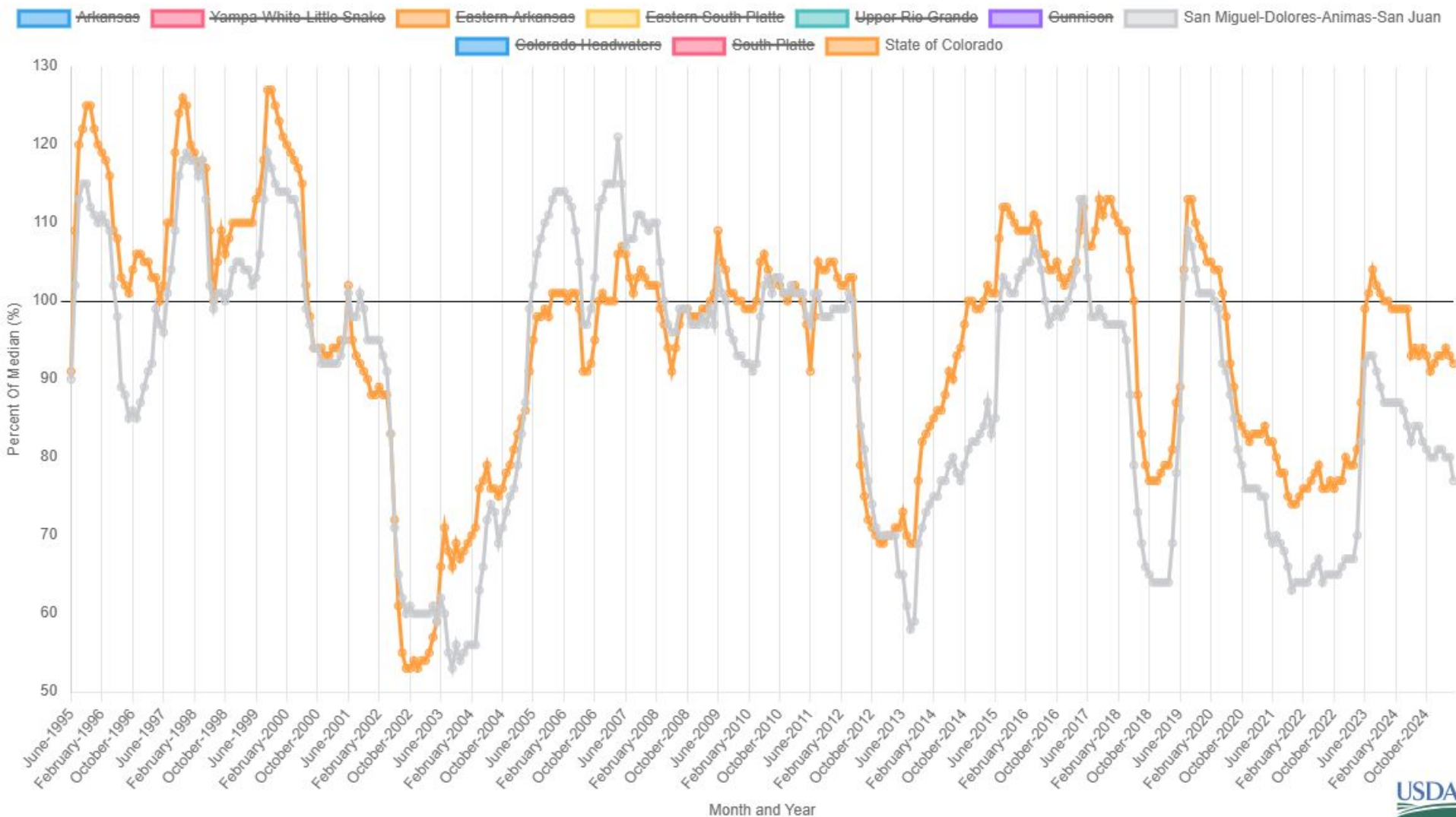
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Reservoirs



Colorado Statewide Reservoir Storage

Colorado Percent Of Median Timeseries Plot





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Streamflow Forecasts



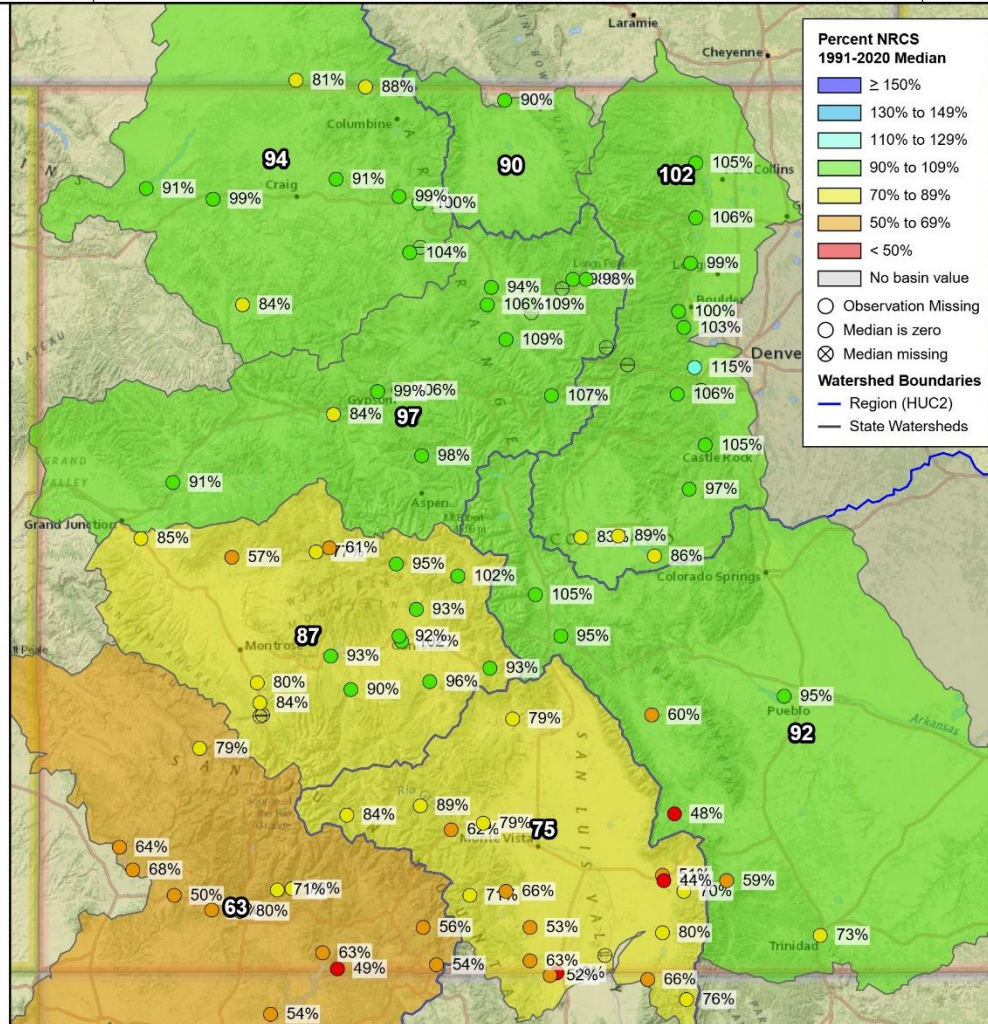
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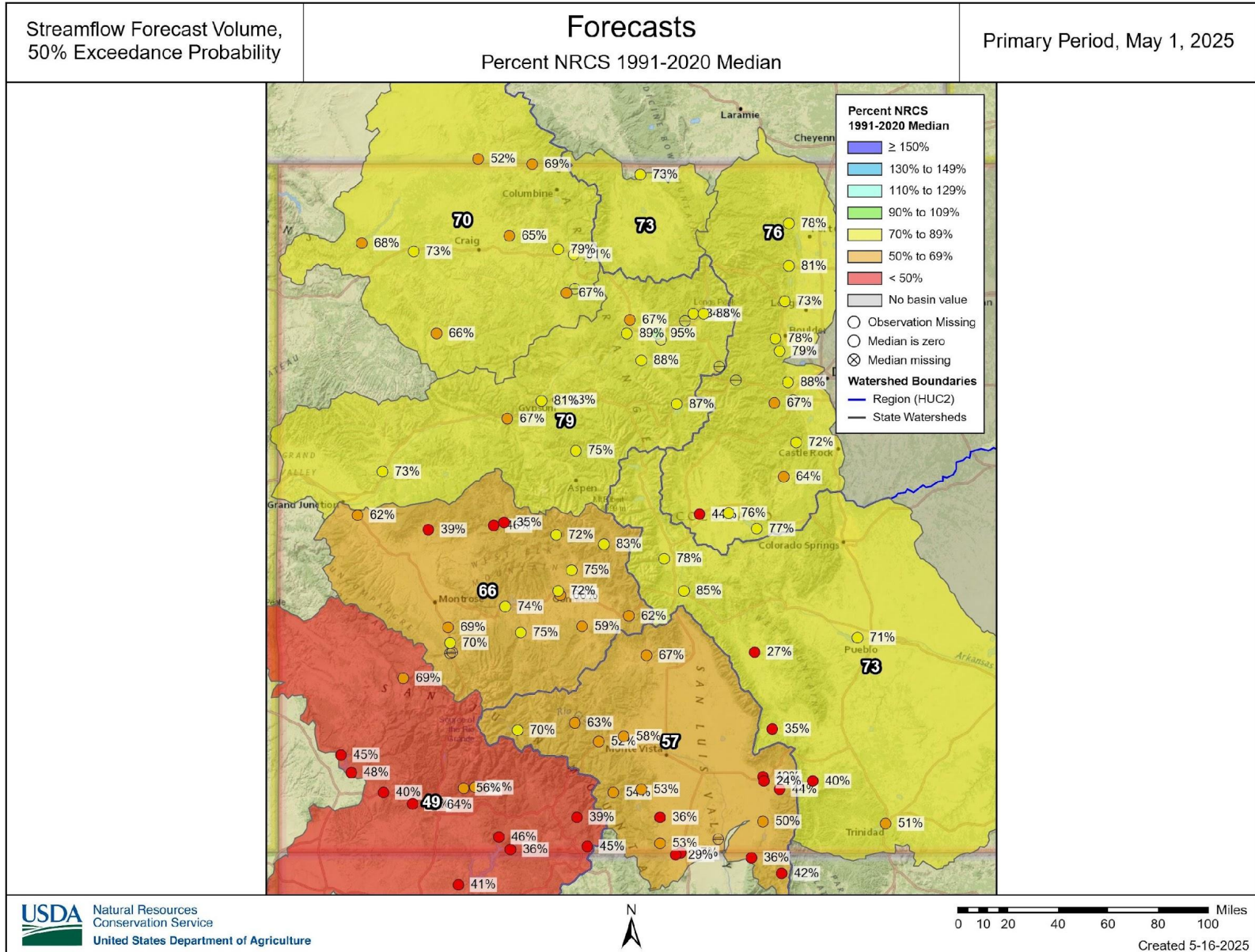
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Streamflow Forecast Volume,
50% Exceedance Probability

Colorado Mar 1 Fcsts
Percent NRCS 1991-2020 Median

Primary Period, March 1, 2025



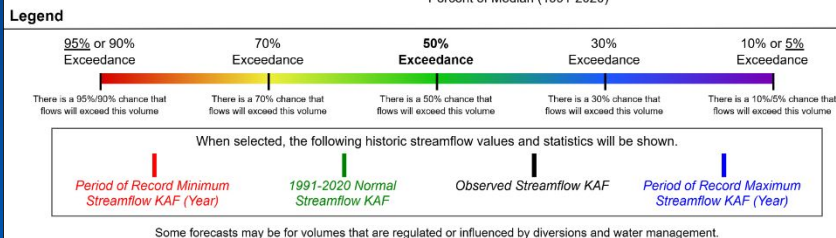
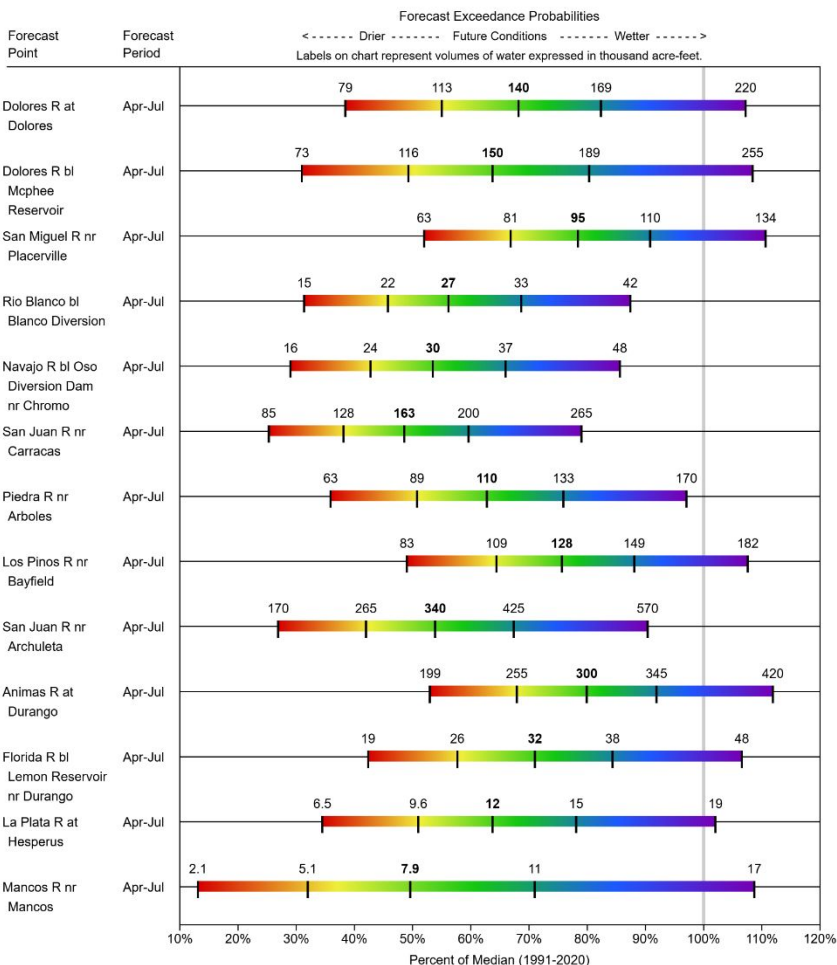




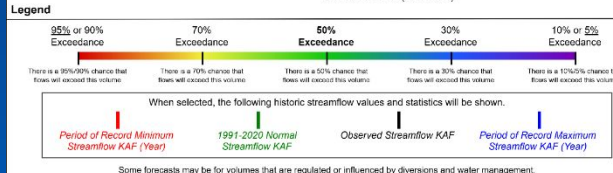
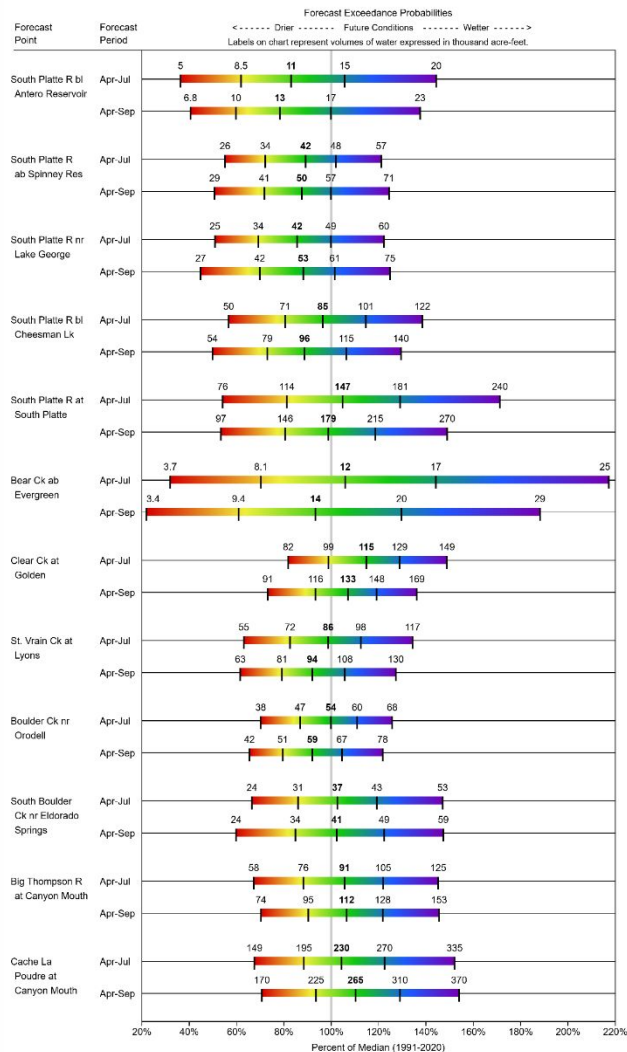
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SAN MIGUEL-DOLORES-ANIMAS-SAN JUAN Water Supply Forecasts March 1, 2025



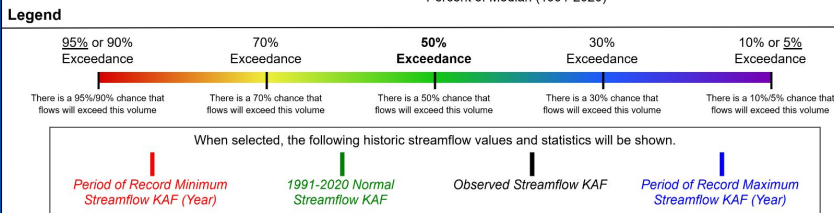
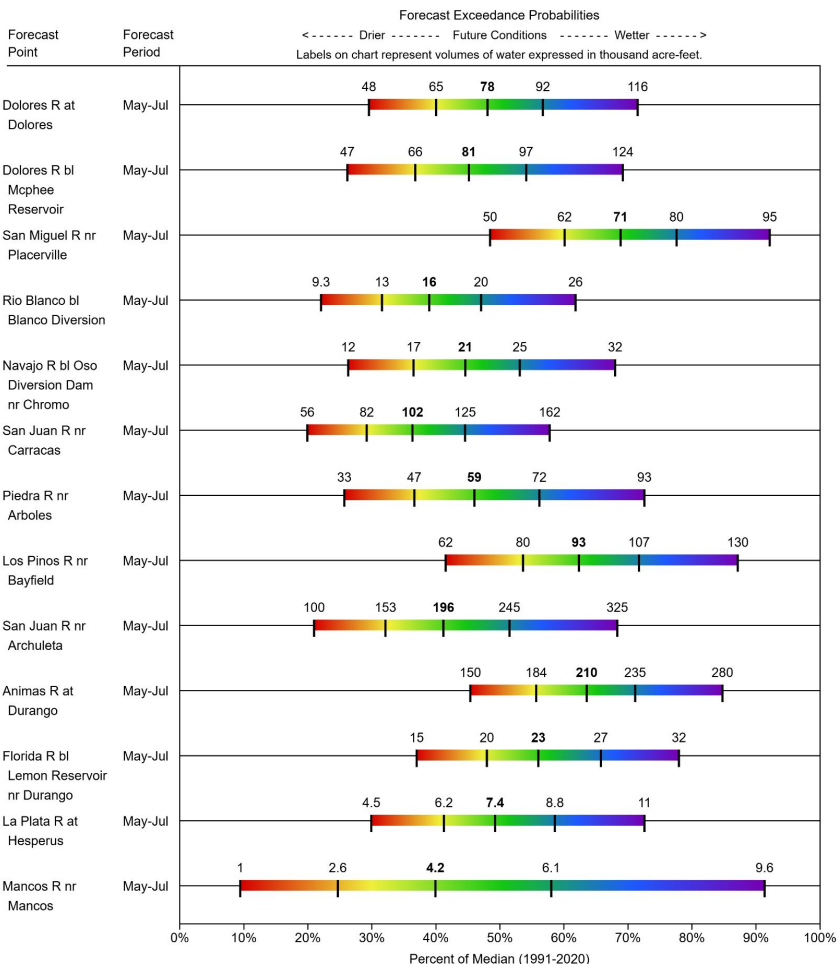
SOUTH PLATTE Water Supply Forecasts March 1, 2025





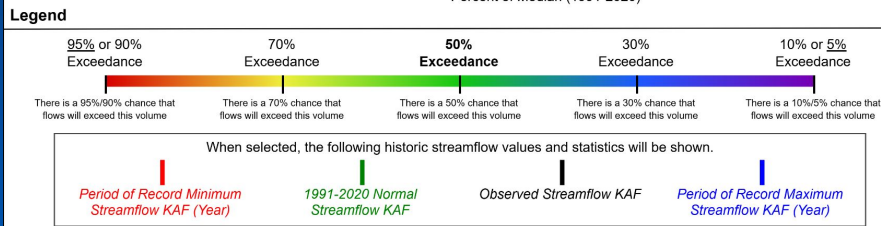
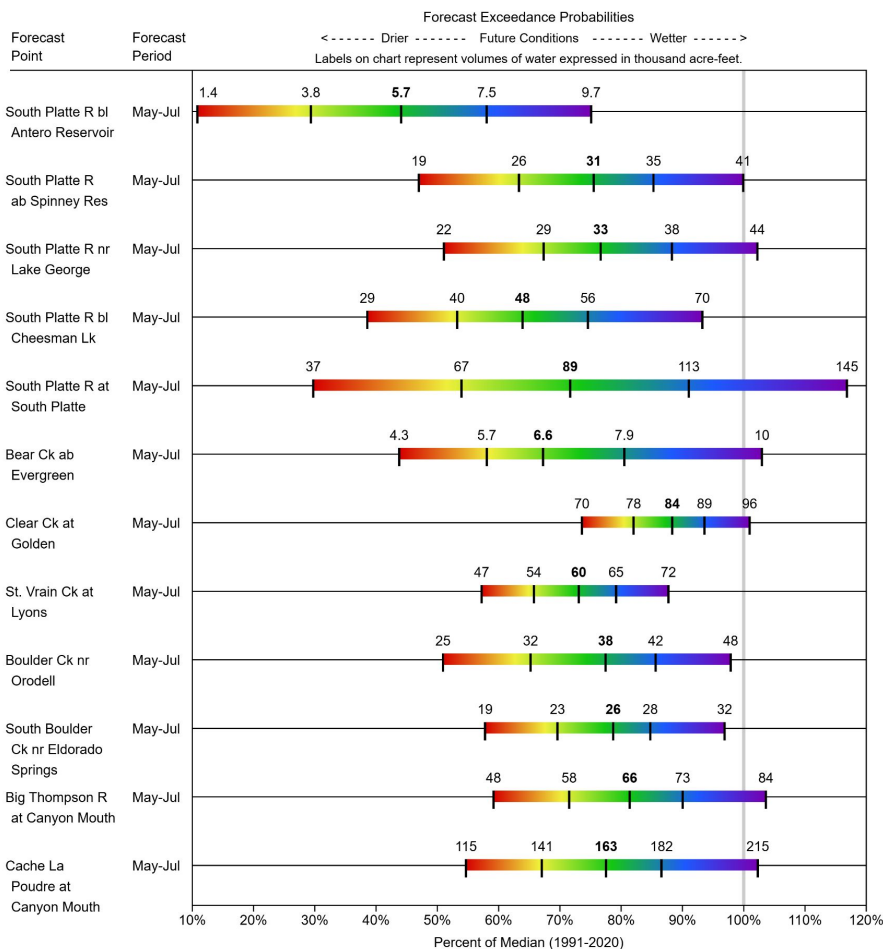
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SAN MIGUEL-DOLORES-ANIMAS-SAN JUAN Water Supply Forecasts May 1, 2025



Some forecasts may be for volumes that are regulated or influenced by diversions and water management.

SOUTH PLATTE Water Supply Forecasts May 1, 2025



Some forecasts may be for volumes that are regulated or influenced by diversions and water management.

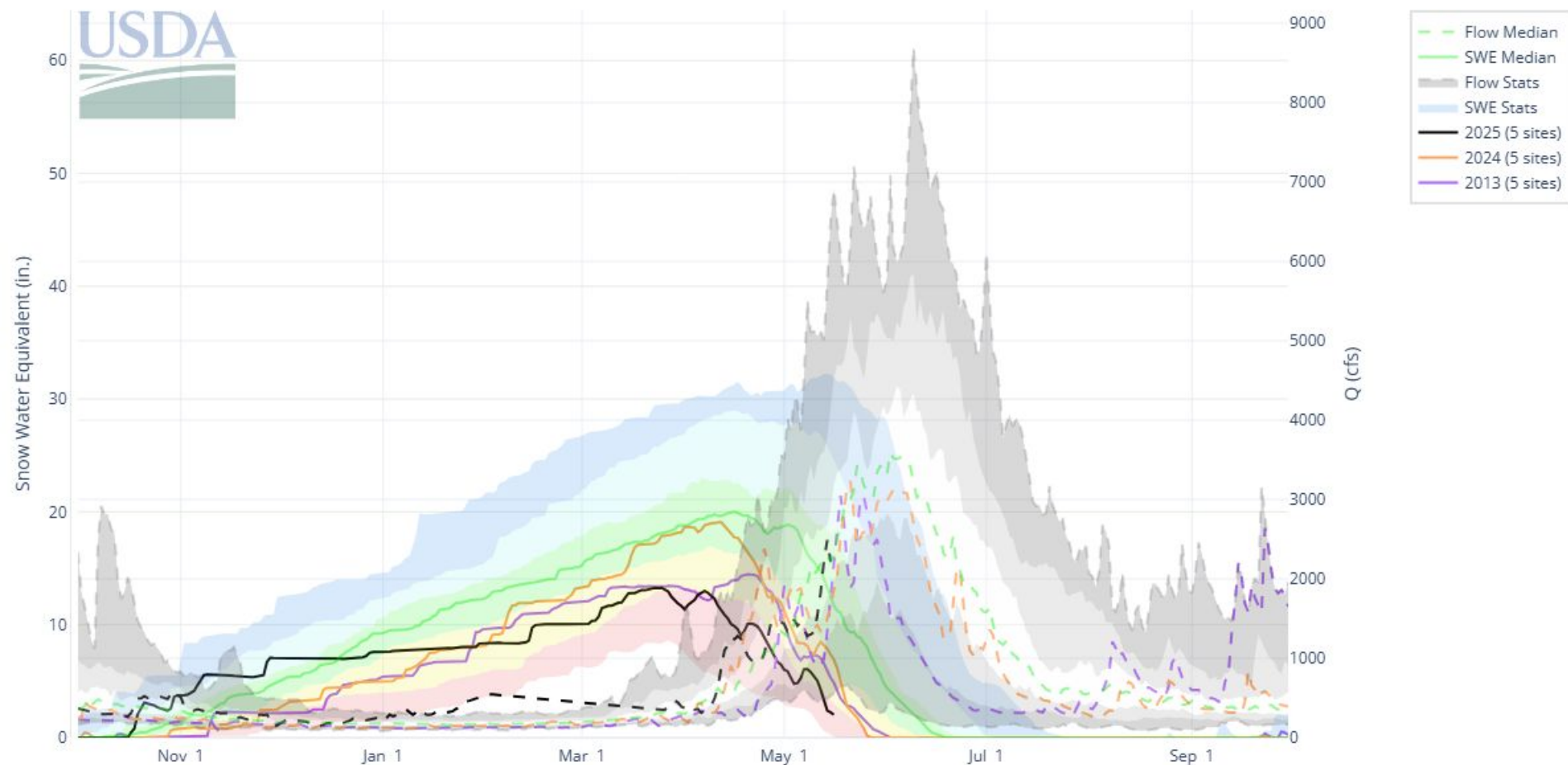


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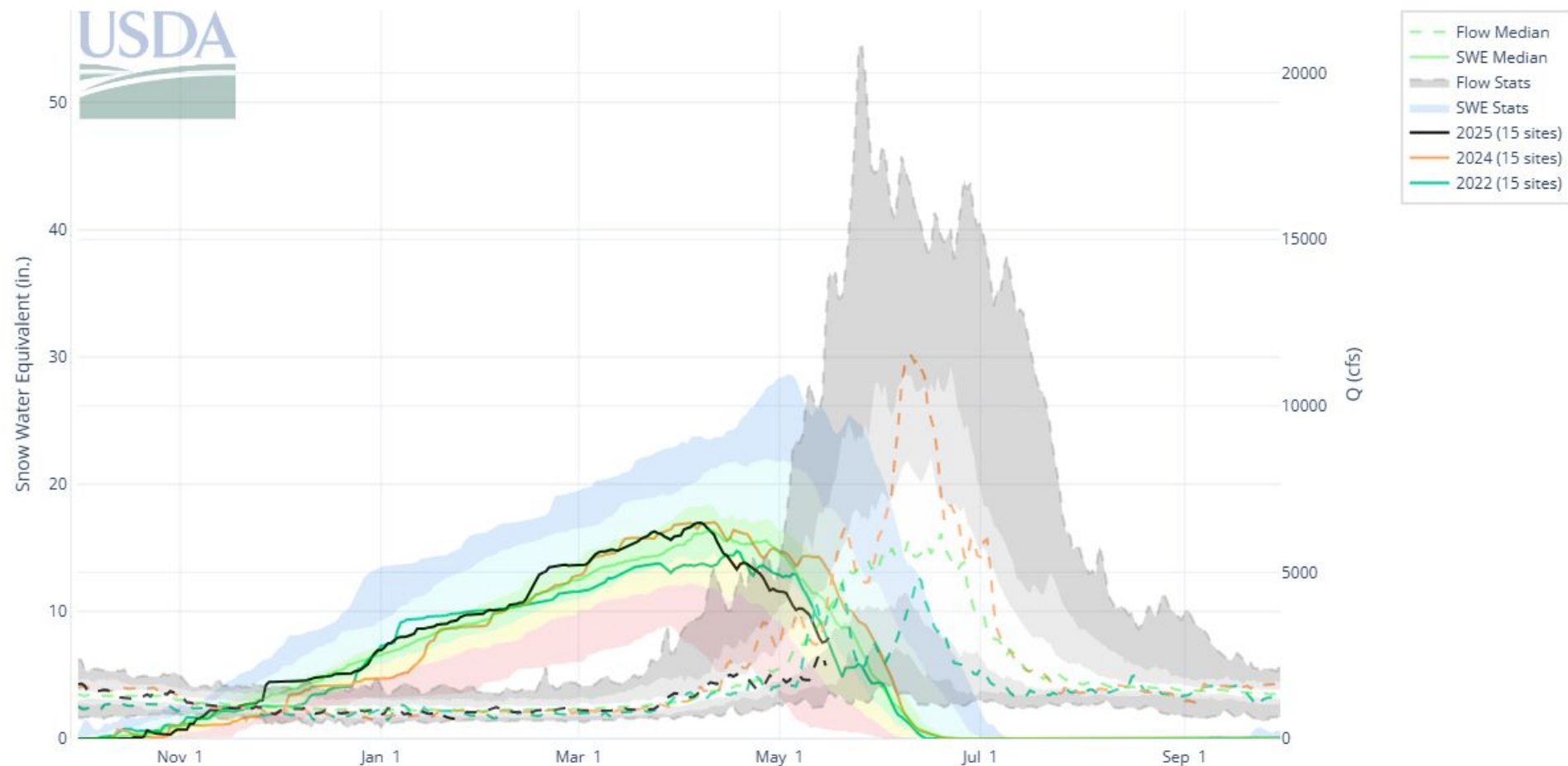
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Snow to Runoff Relationships

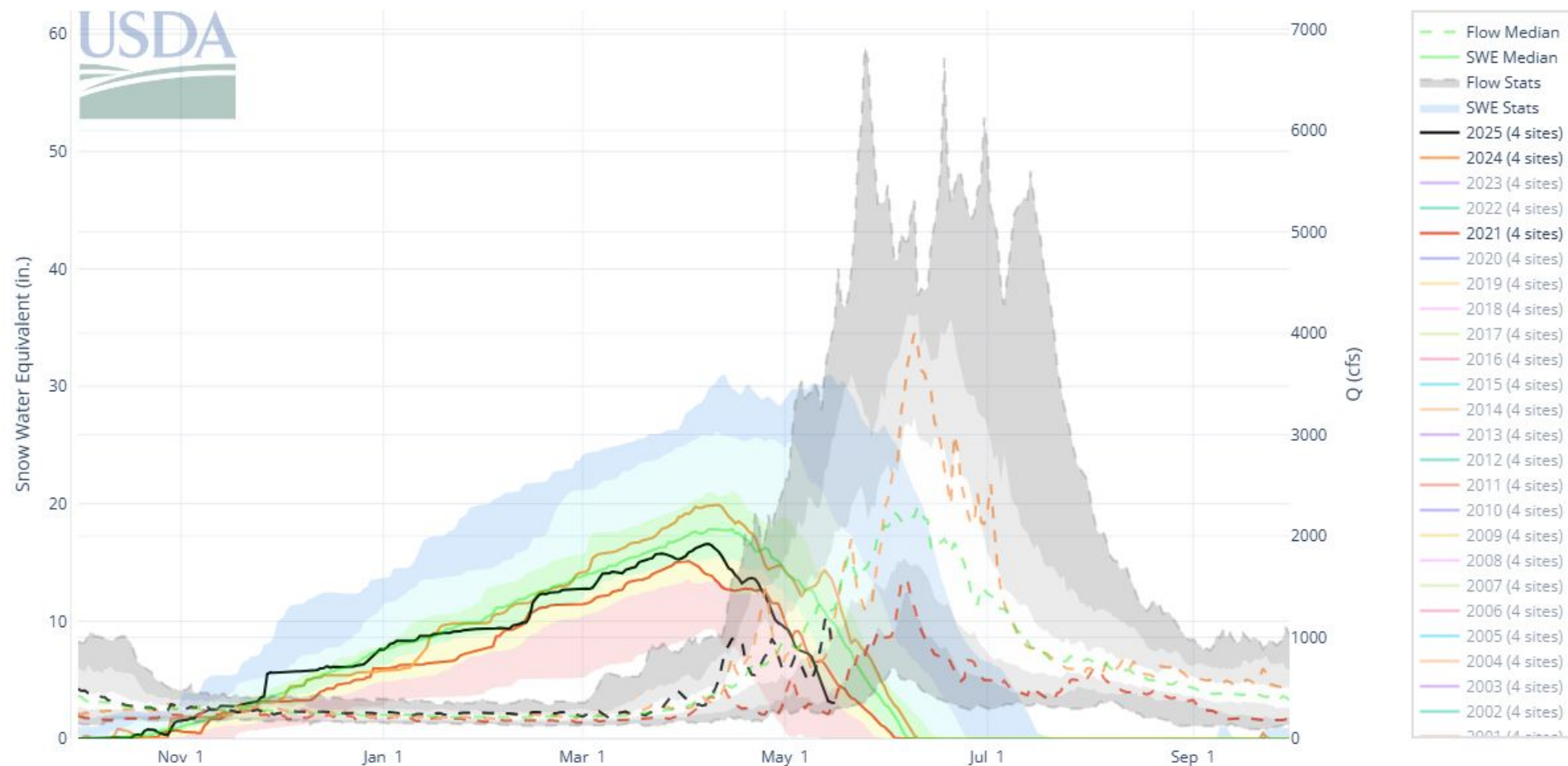
Rio Grande nr Del Norte Snow to Flow Plot



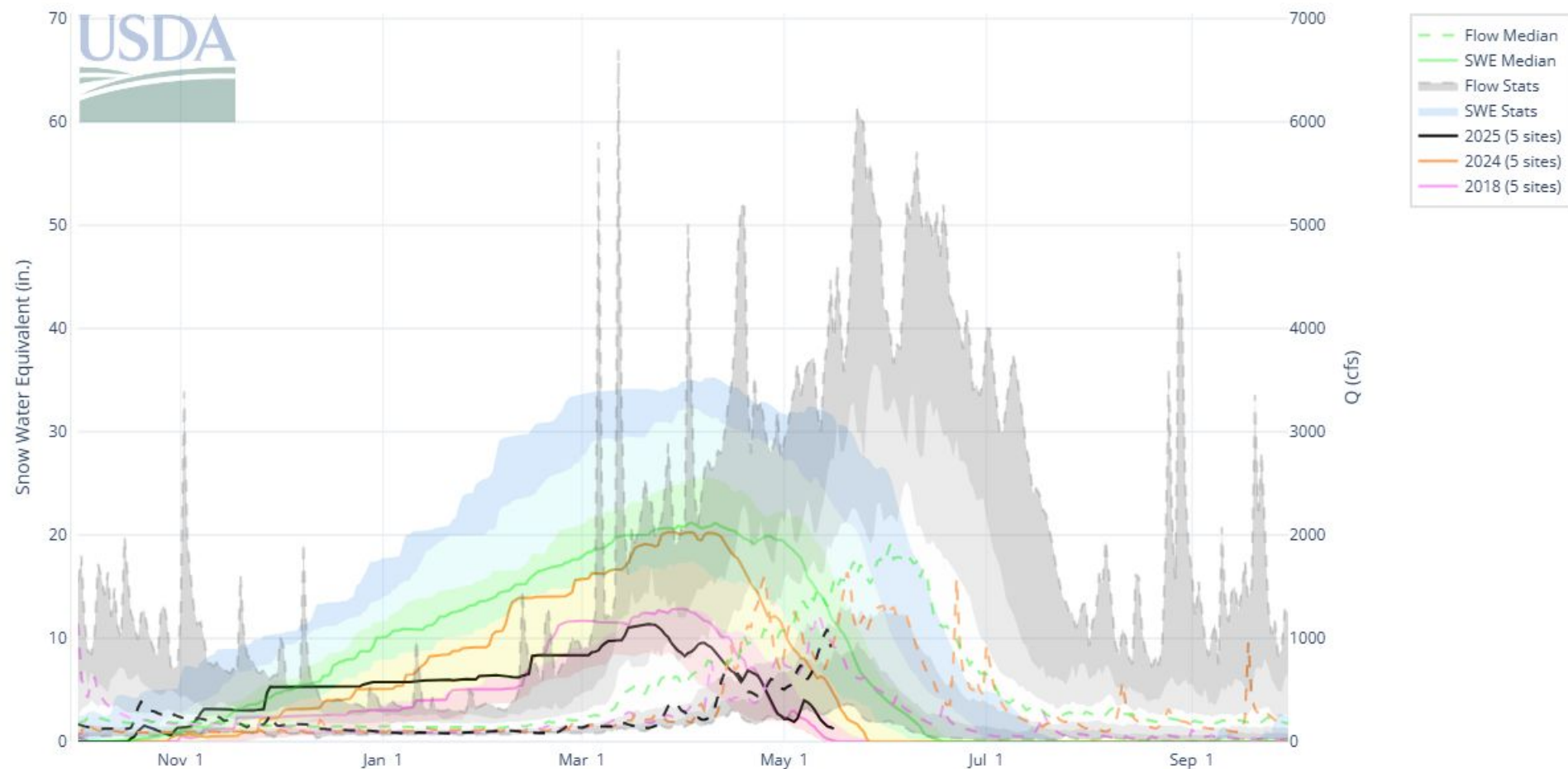
Colorado R nr Dotsero Snow to Flow Plot



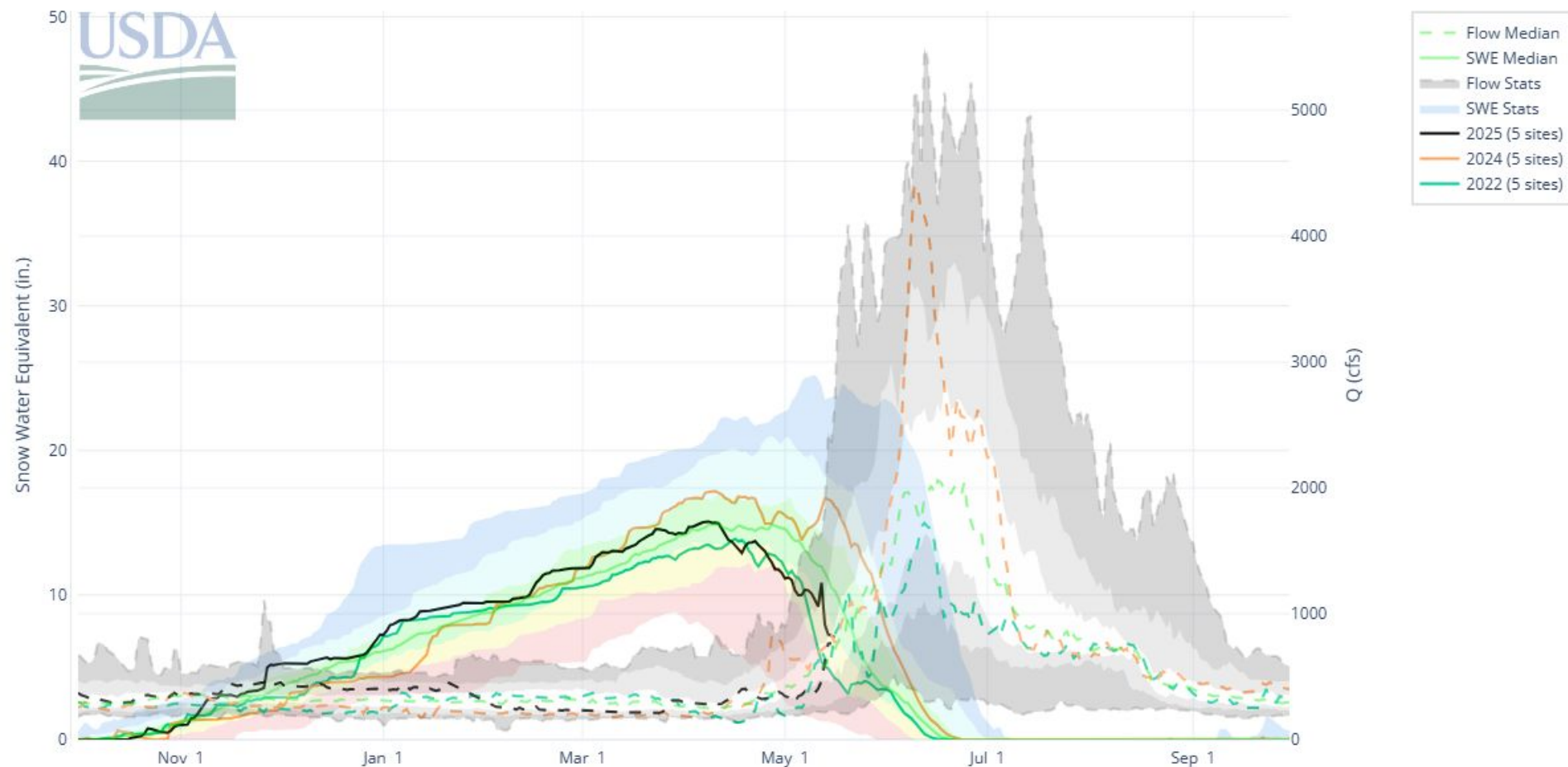
Gunnison R Near Gunnison Snow to Flow Plot



San Juan R nr Carracas Snow to Flow Plot



Arkansas R at Salida Snow to Flow Plot



Summary

- Statewide snowpack is currently at 58% of median
 - Down from 70% on April 22 (last presentation)
 - Highest basin snowpack in state is 72% of median in N. Platte
 - Lowest basin snowpack 13% of median in Rio Grande
- Statewide mountain year-to-date precipitation is 87% of median
 - Down from 90% of median last month
 - Statewide precipitation as of 5/16 is 71% of the monthly total
- Statewide reservoir storage is at 92% of median
 - 86% of median in SMDASJ Basins
 - 116% of median in the Rio Grande and Arkansas and Gunnison River Basins
- Streamflow forecasts are projected to be below to well below normal
 - Slightly better in the northern and eastern halves of the state
 - Progressively lower as you translate southwest through the state



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