



United States Department of Agriculture

Colorado Snow Surveys

Water Availability Task Force Meeting

June 28th, 2022

NRCS Snow Survey and Water Supply Forecasting Program

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Hydrologist

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720-544-2853

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

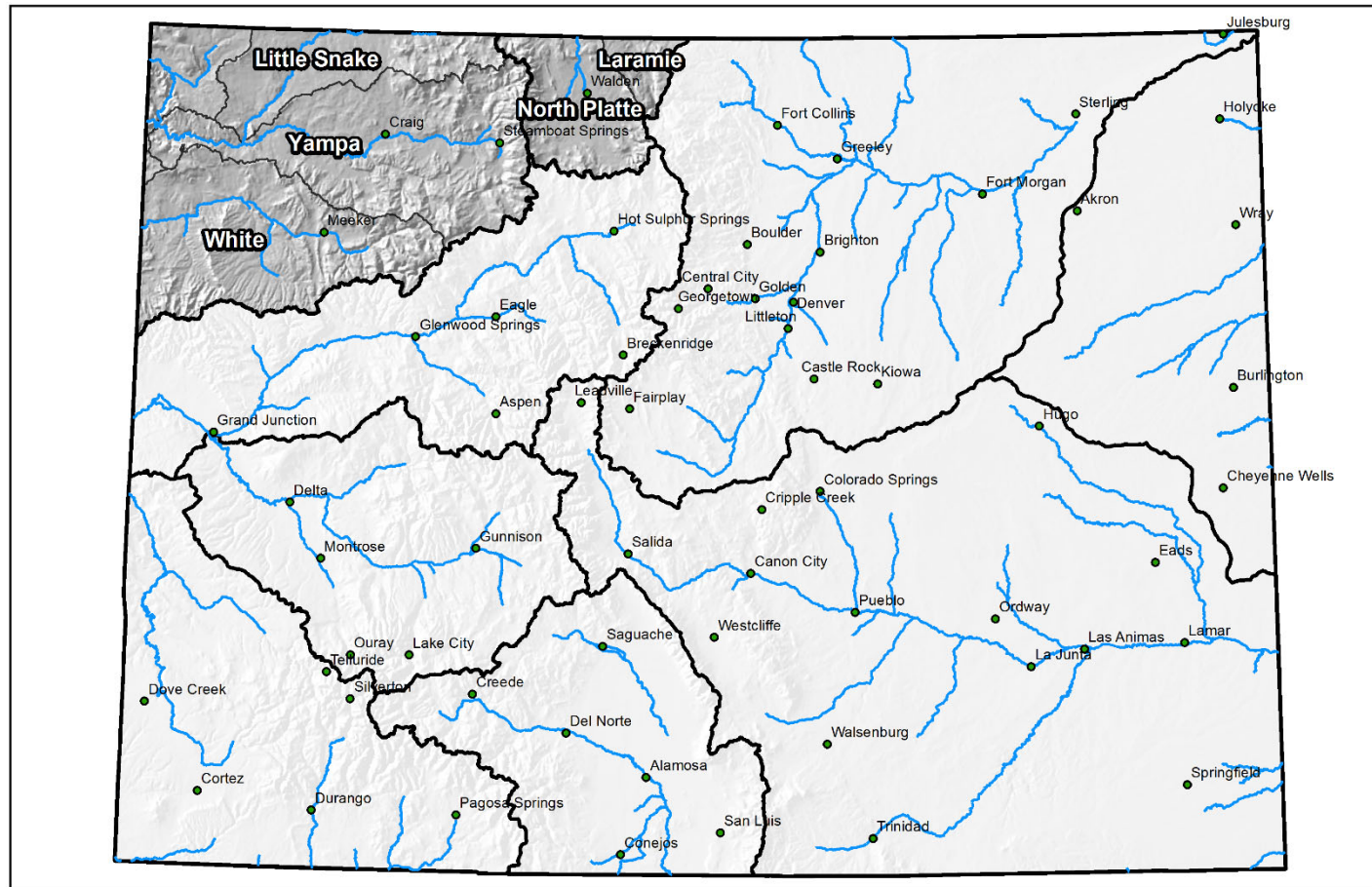


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Colorado Snow Surveys

Major Basin Summary

Yampa, White, and North Platte River Basins



0 25 50 100 150 200 Miles



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Natural Resources Conservation Service



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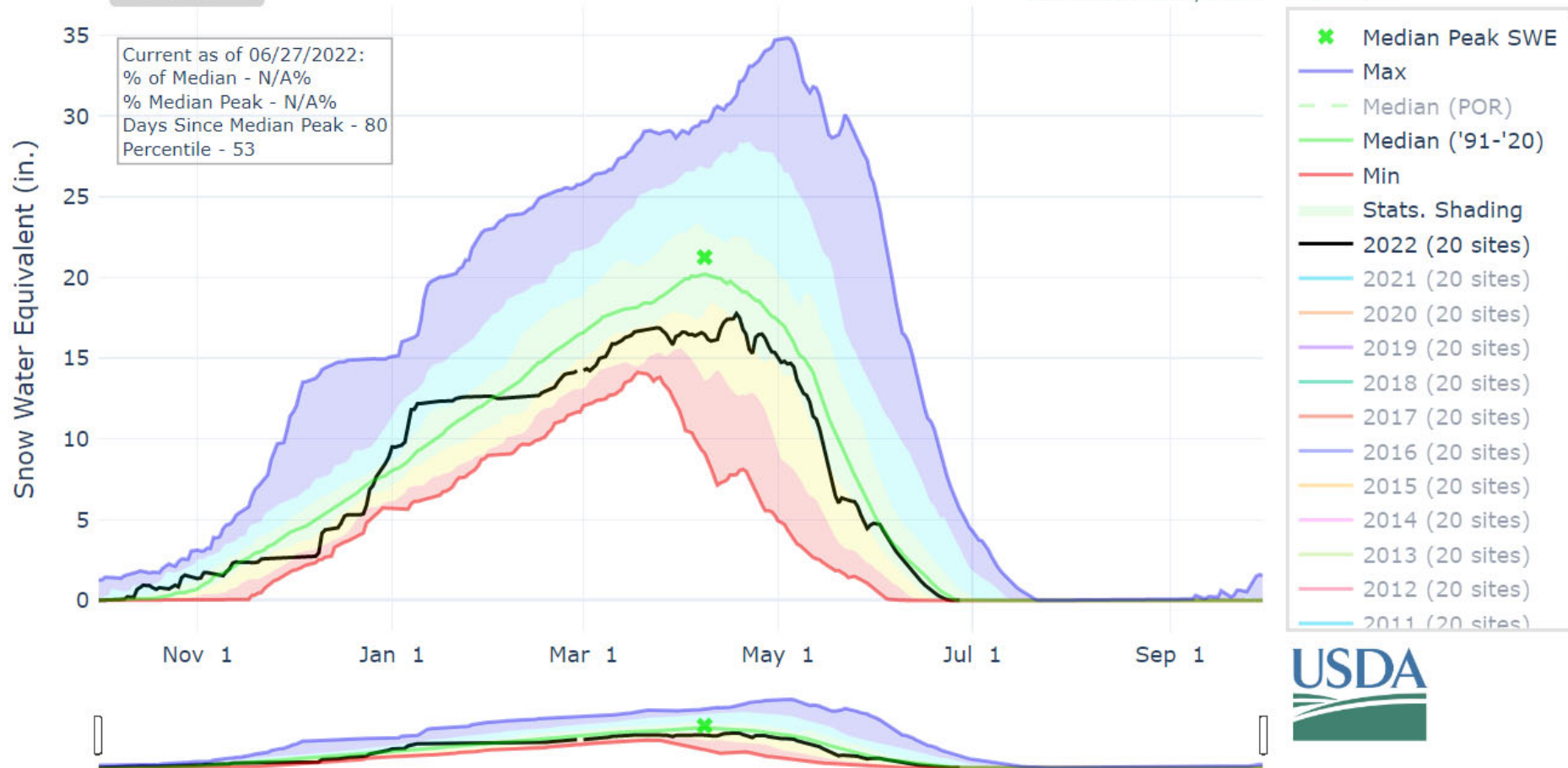
Colorado Snow Surveys

SNOW WATER EQUIVALENT IN YAMPA-WHITE-LITTLE SNAKE

Reset Range

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

[Station List](#)





United States Department of Agriculture

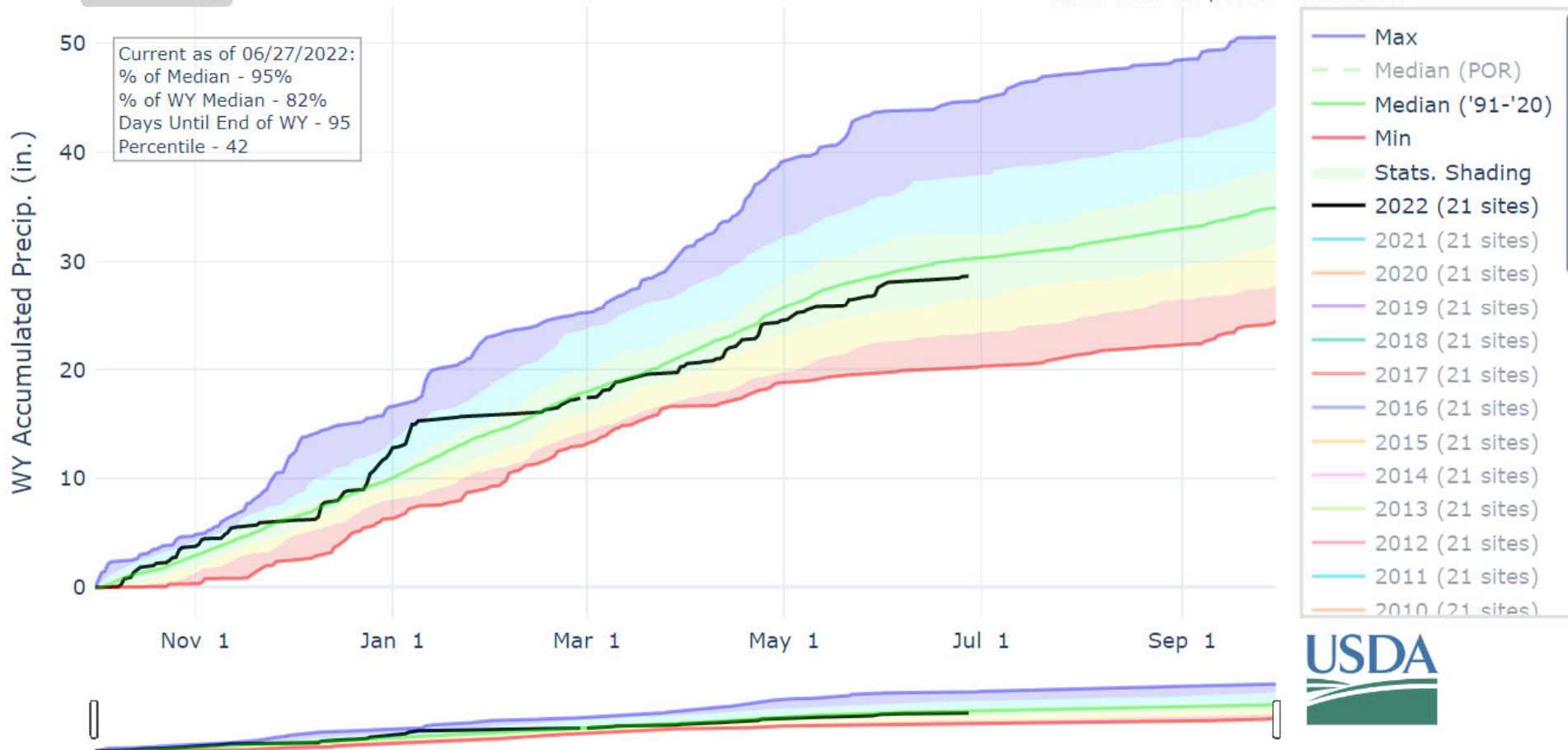
Colorado Snow Surveys

PRECIPITATION IN YAMPA-WHITE-LITTLE SNAKE

Reset Range

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

[Station List](#)





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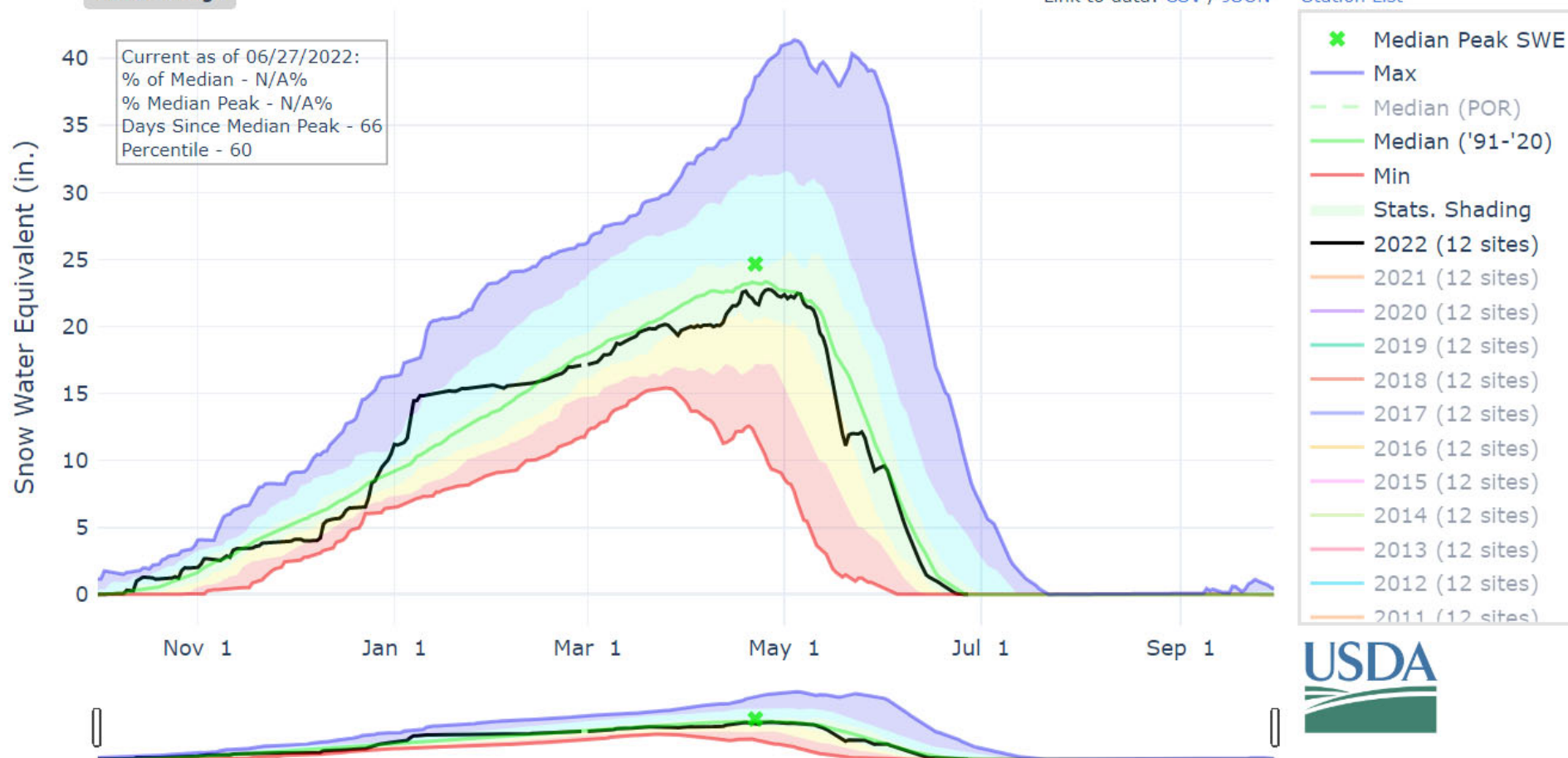
Colorado Snow Surveys

SNOW WATER EQUIVALENT IN LARAMIE AND NORTH PLATTE

Reset Range

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

[Station List](#)





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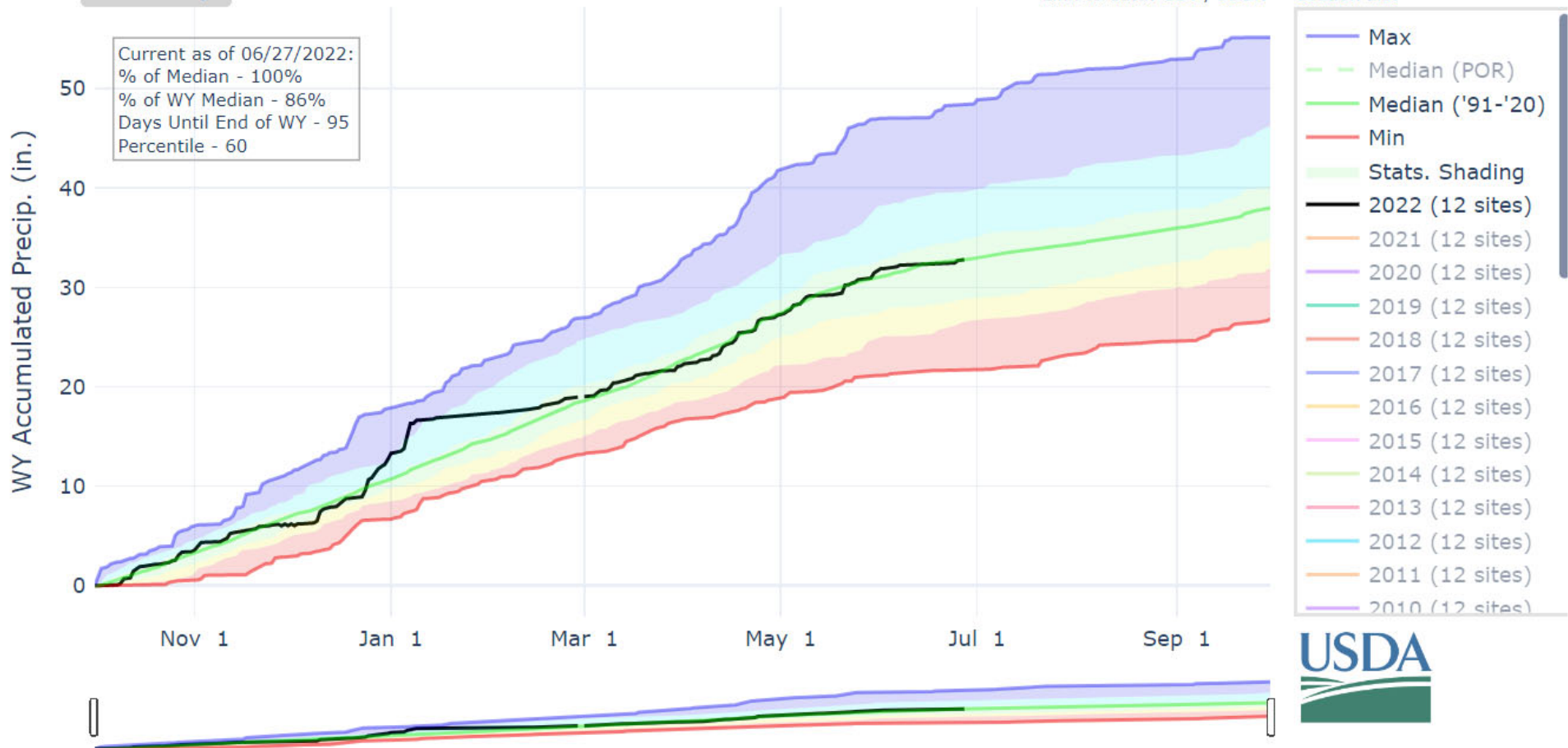
Colorado Snow Surveys

PRECIPITATION IN LARAMIE AND NORTH PLATTE

Reset Range

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

[Station List](#)

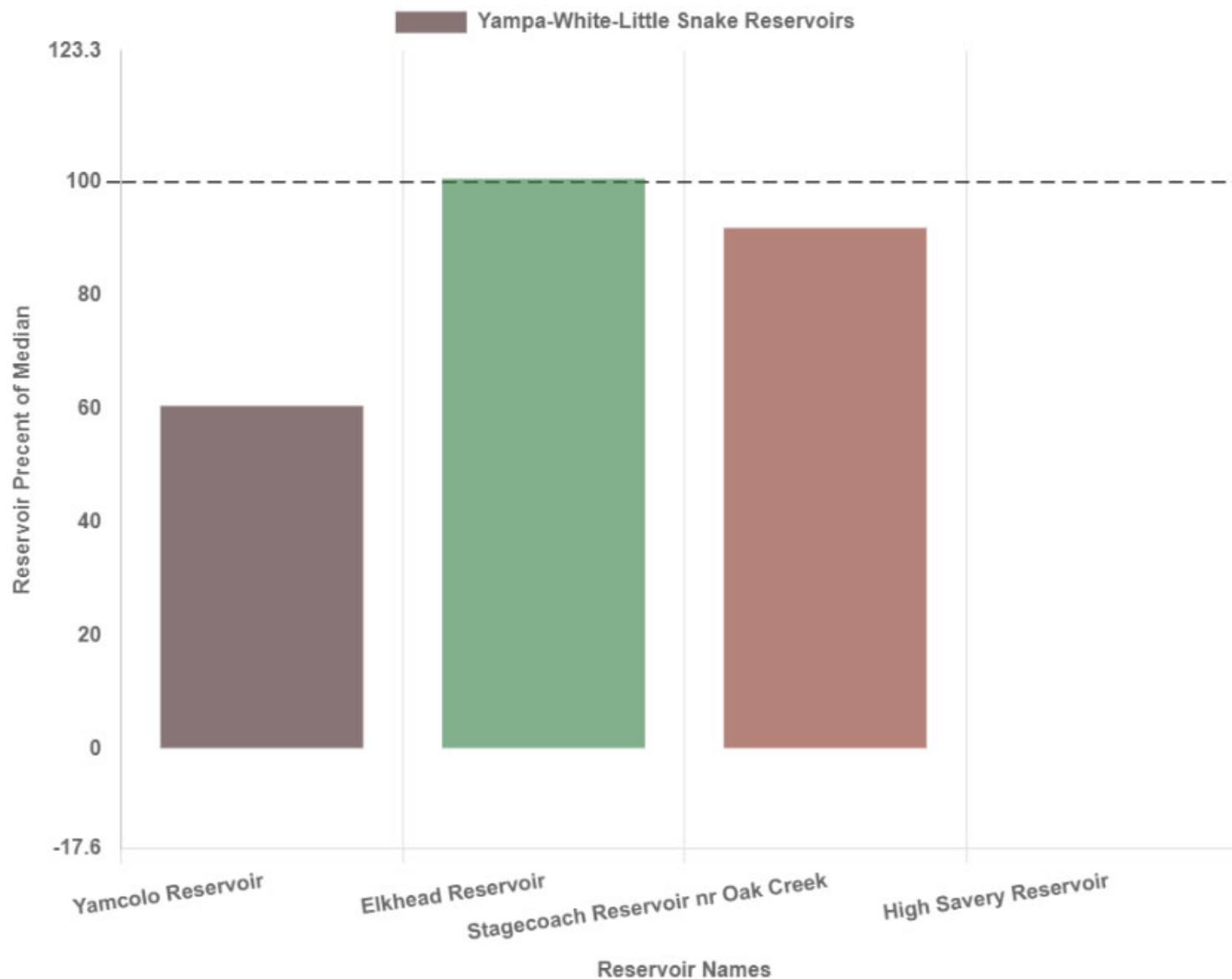




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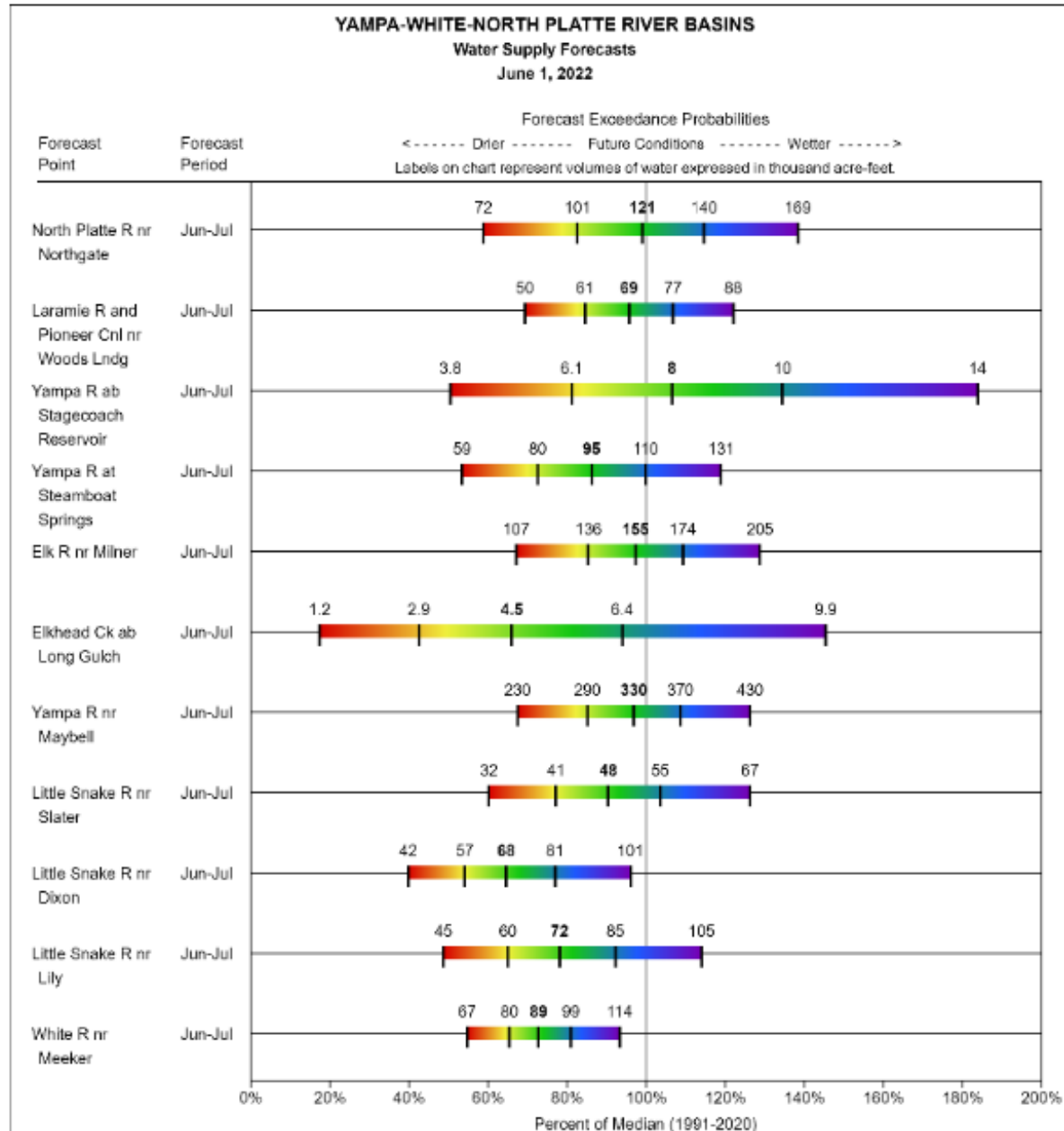
Reservoir Conditions for Yampa-White-Little Snake on June 1st 2022





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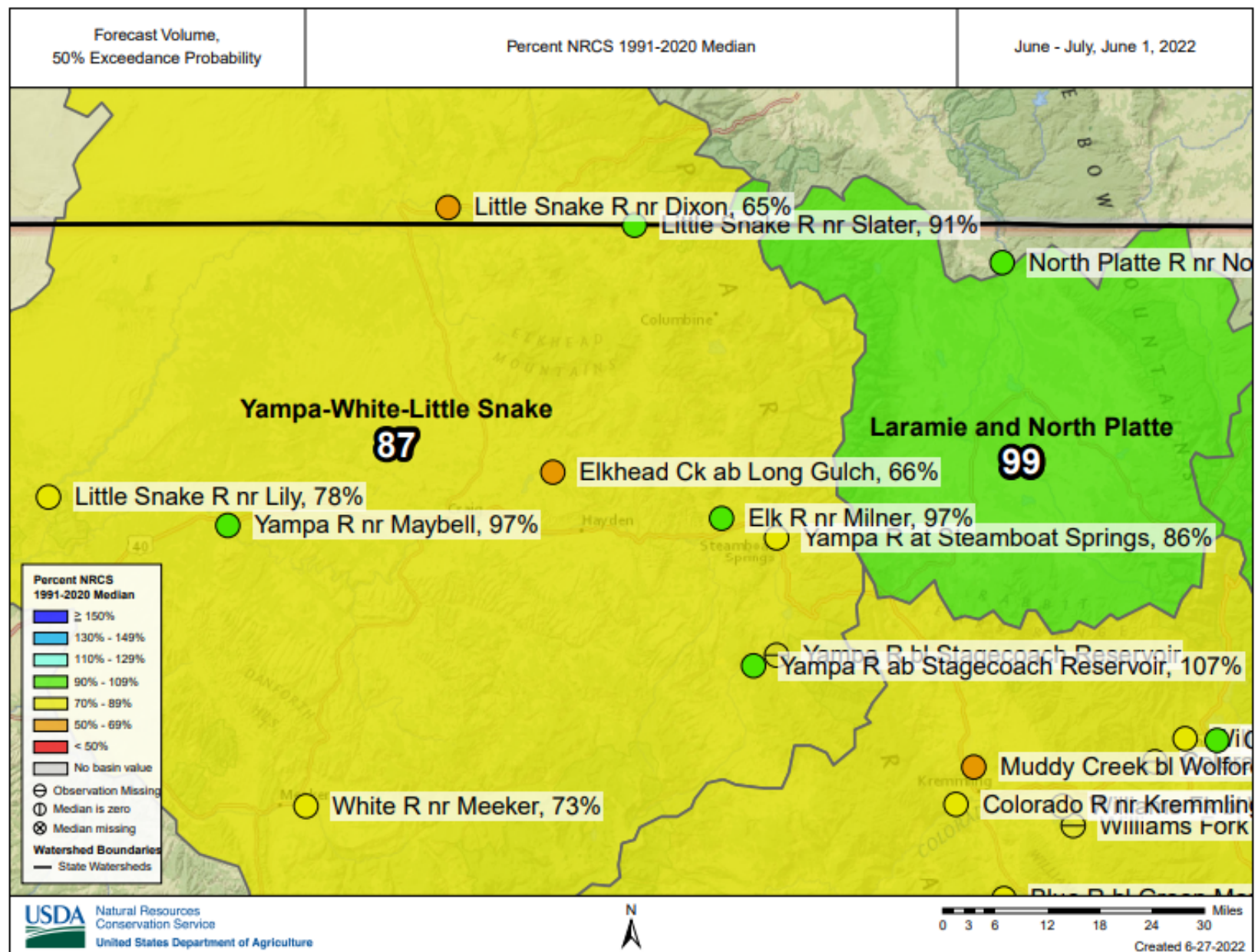
Colorado Snow Surveys





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Colorado Snow Surveys



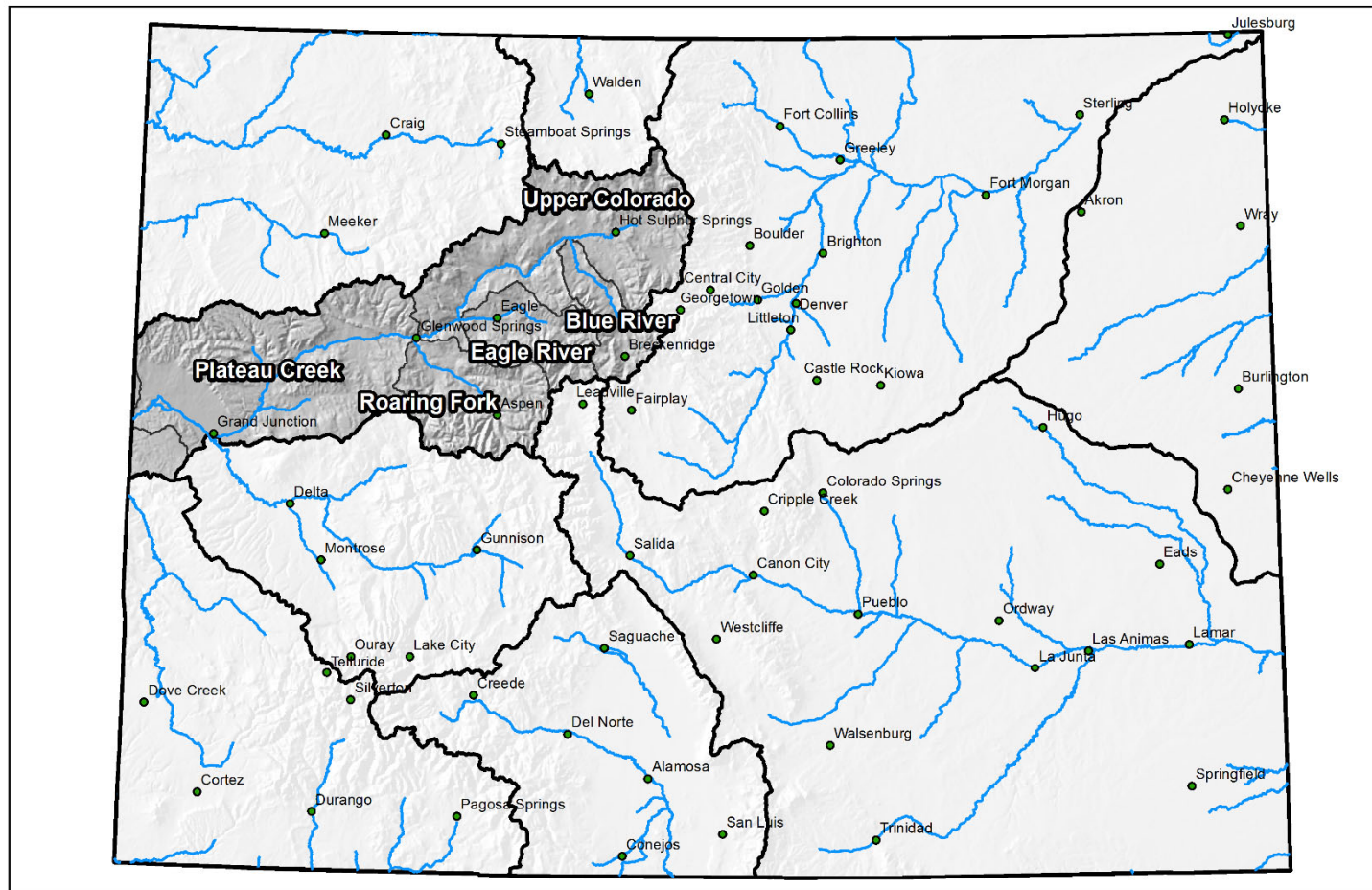


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Colorado Snow Surveys

Major Basin Summary

Colorado River Basin



0 25 50 100 150 200 Miles



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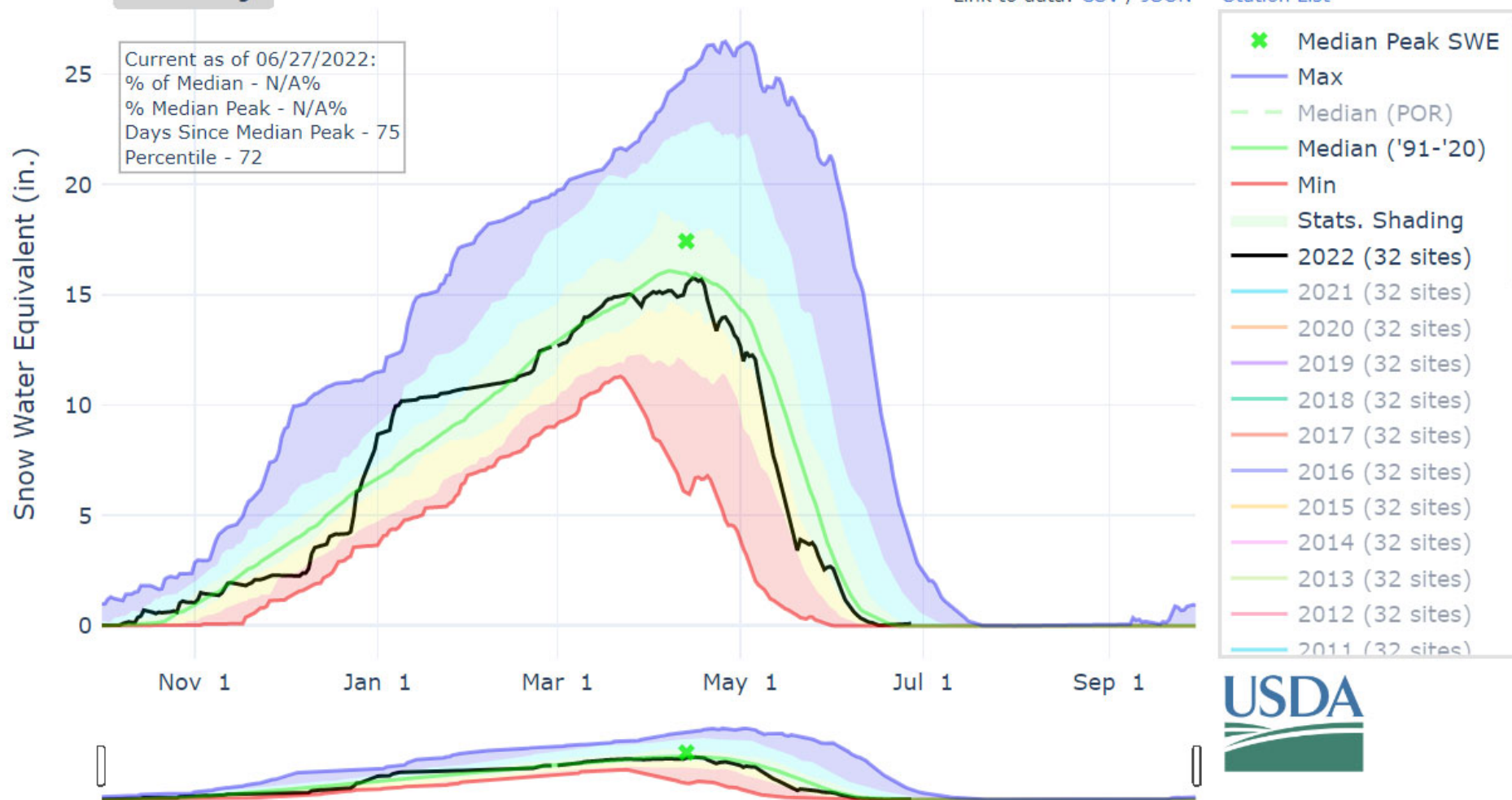
Colorado Snow Surveys

SNOW WATER EQUIVALENT IN COLORADO HEADWATERS

Reset Range

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

[Station List](#)





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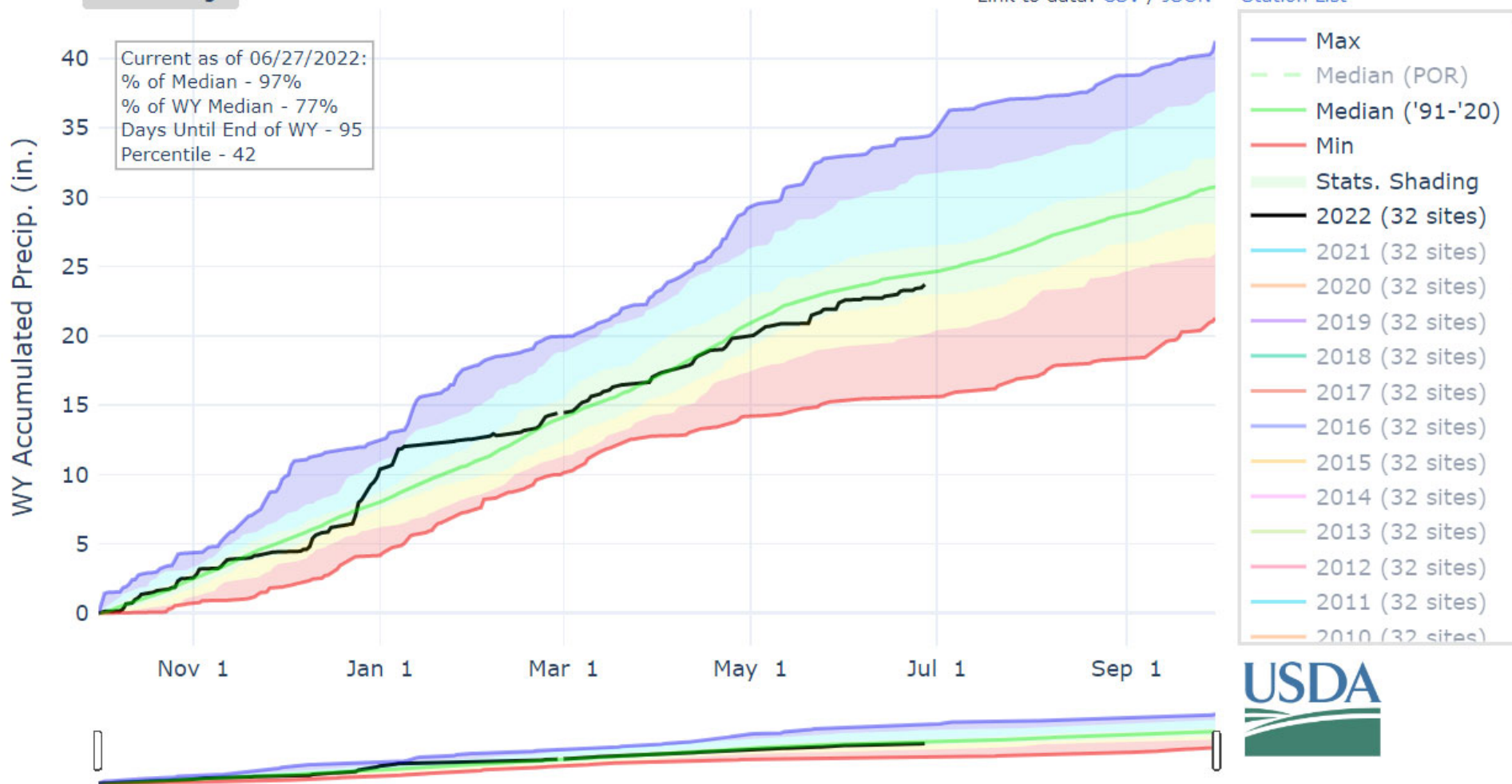
Colorado Snow Surveys

PRECIPITATION IN COLORADO HEADWATERS

Reset Range

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

[Station List](#)

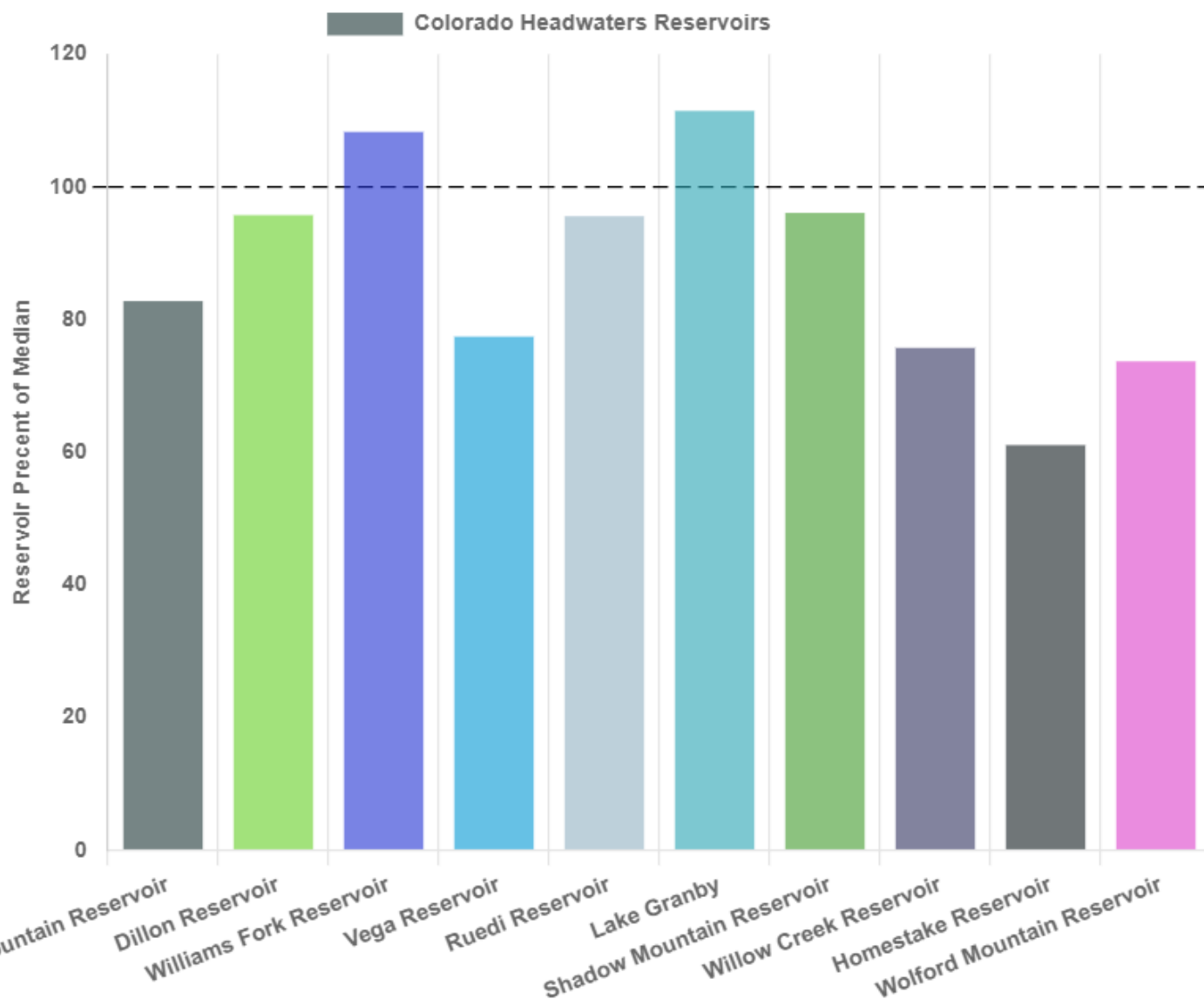




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Colorado Snow Surveys

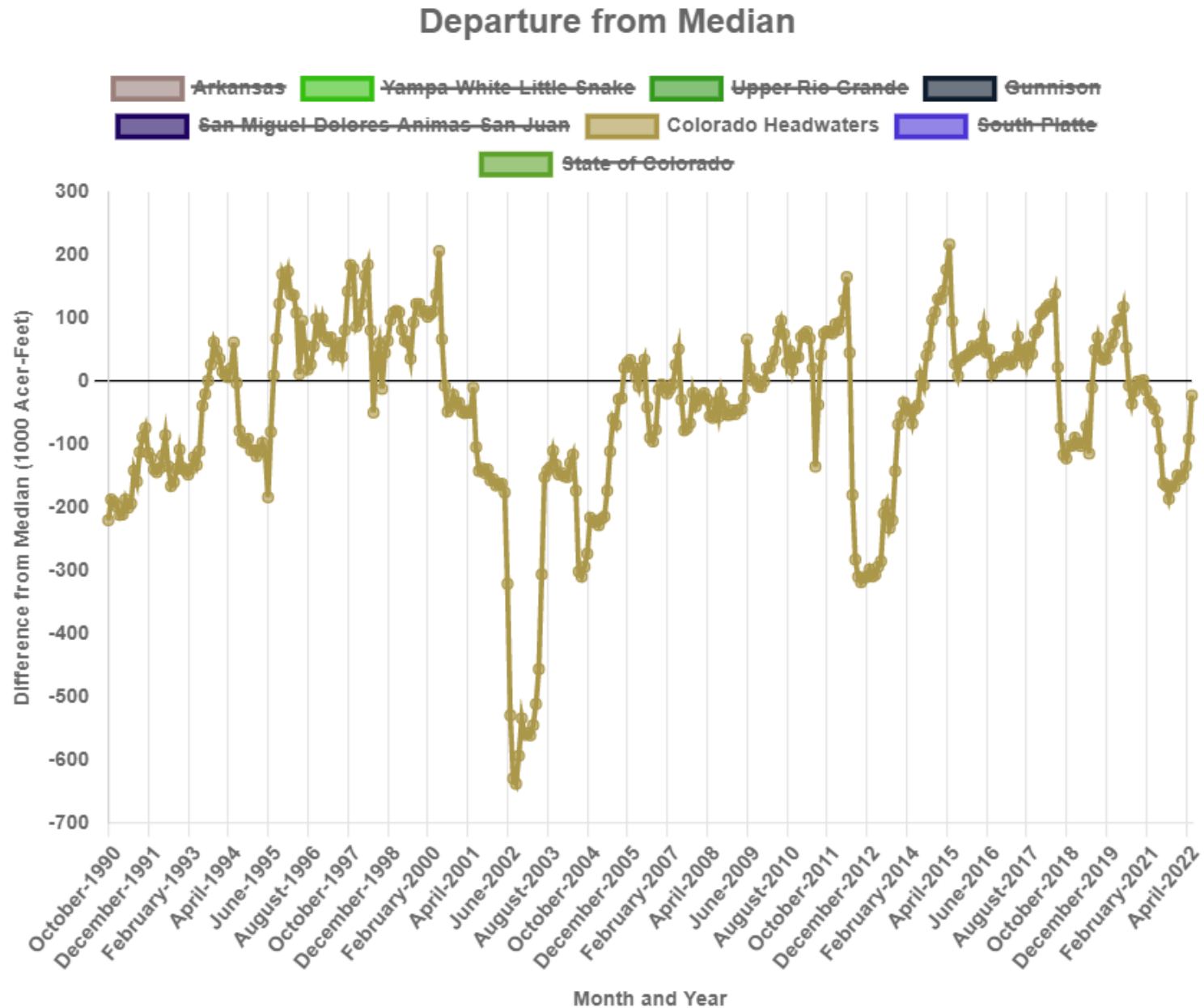
Reservoir Conditions for Colorado Headwaters on June 1st 2022





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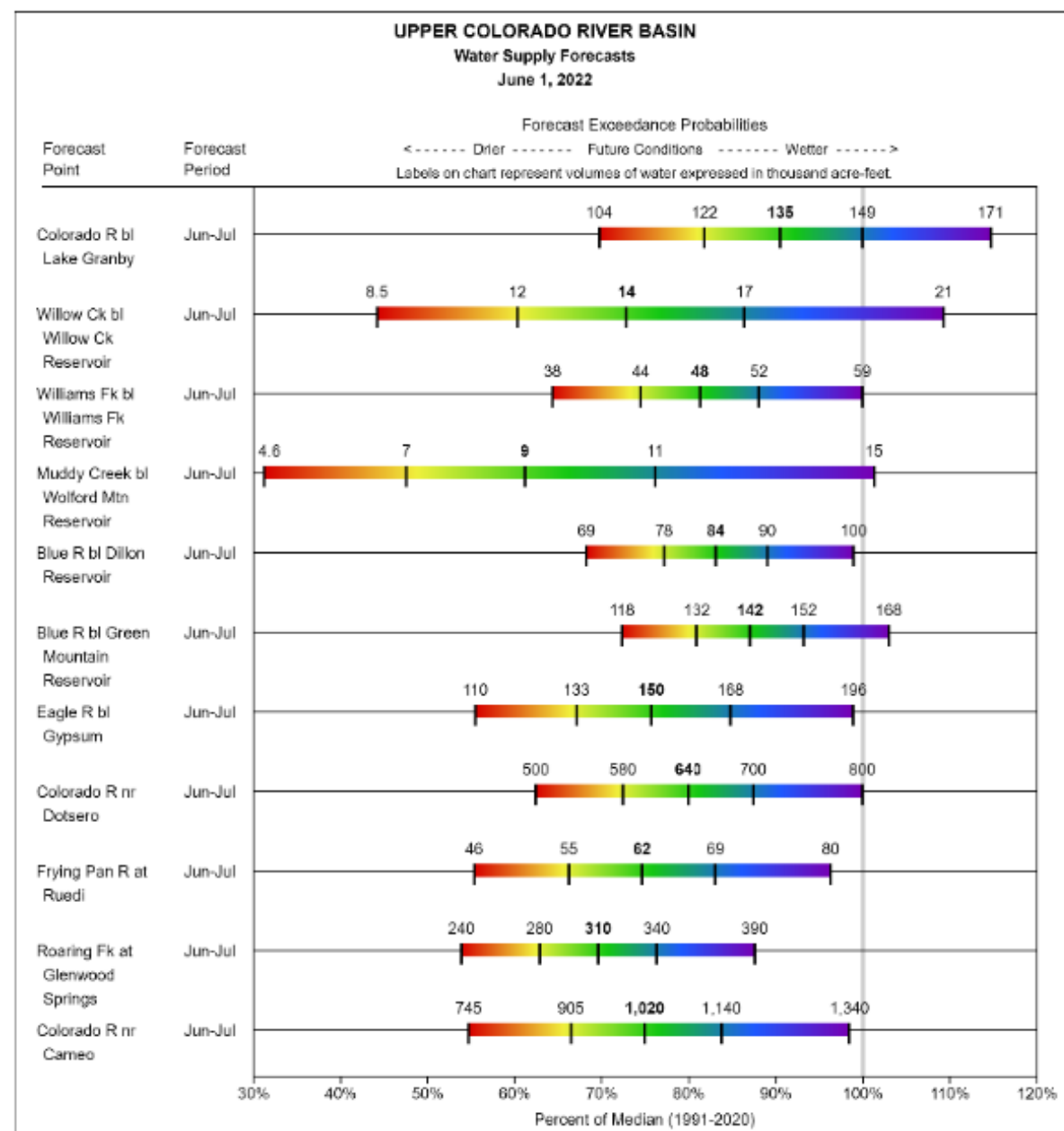
Colorado Snow Surveys





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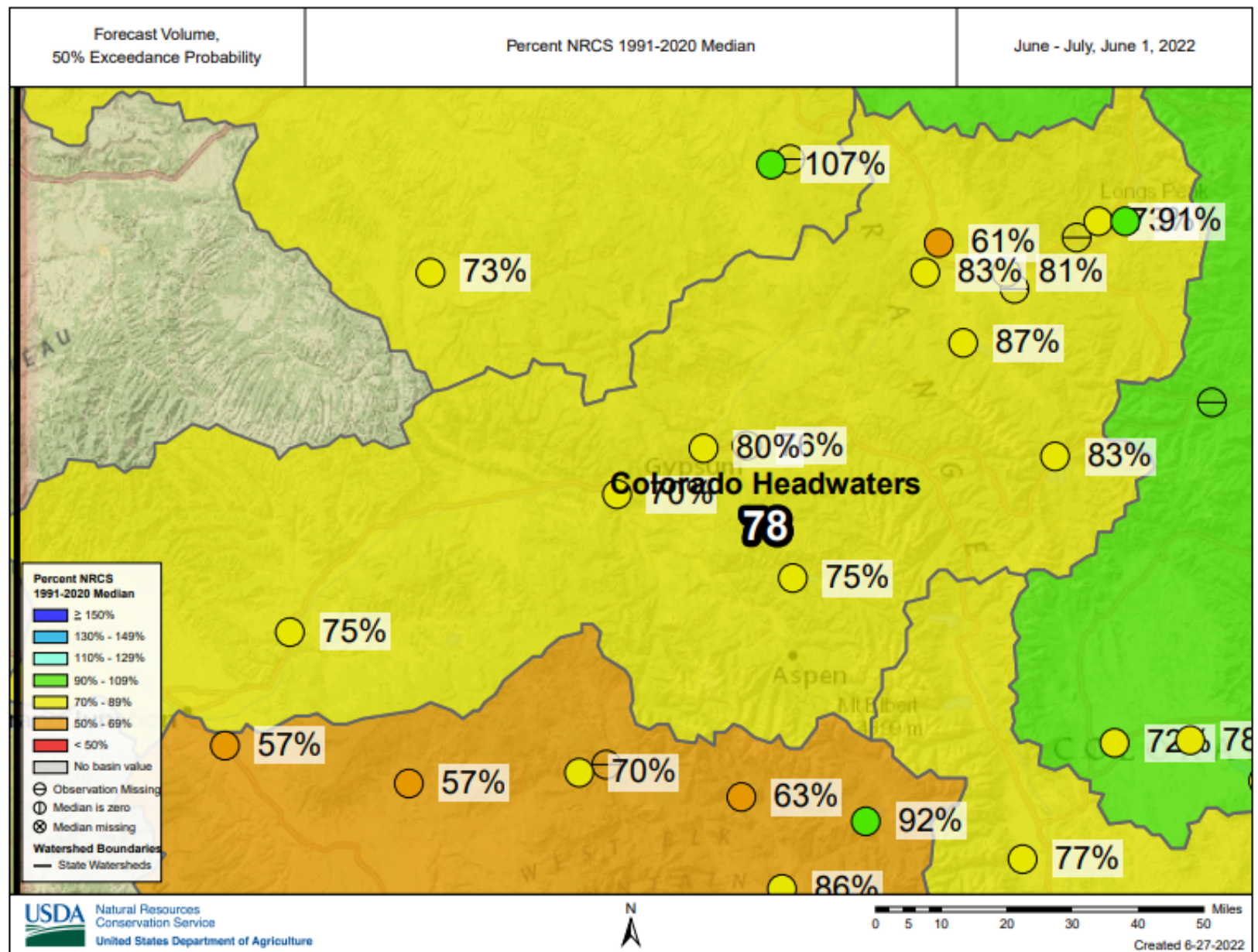
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Colorado Snow Surveys





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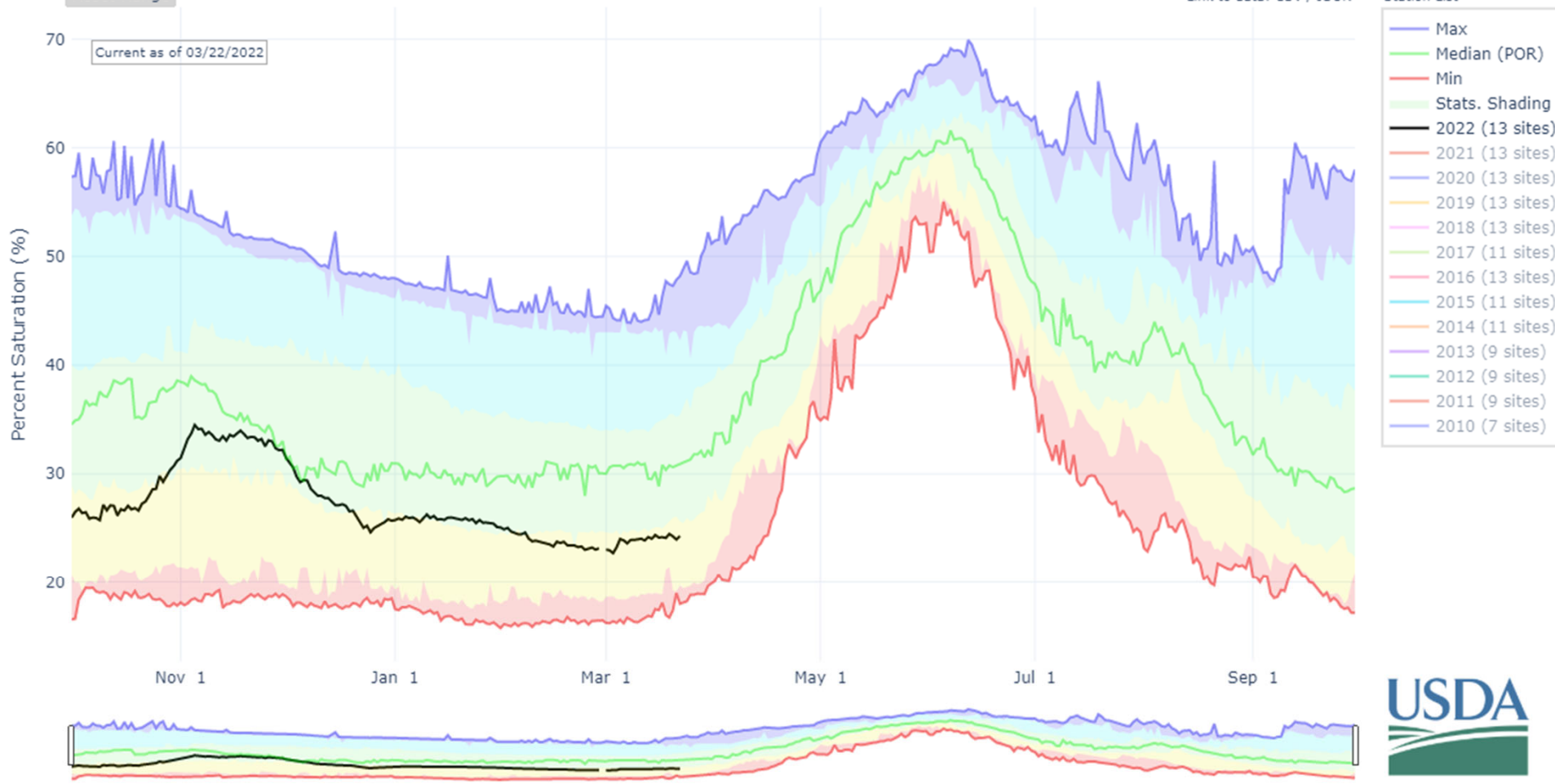
Colorado Snow Surveys

DEPTH AVERAGED SOIL SATURATION IN COLORADO HEADWATERS

Reset Range

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

Station List



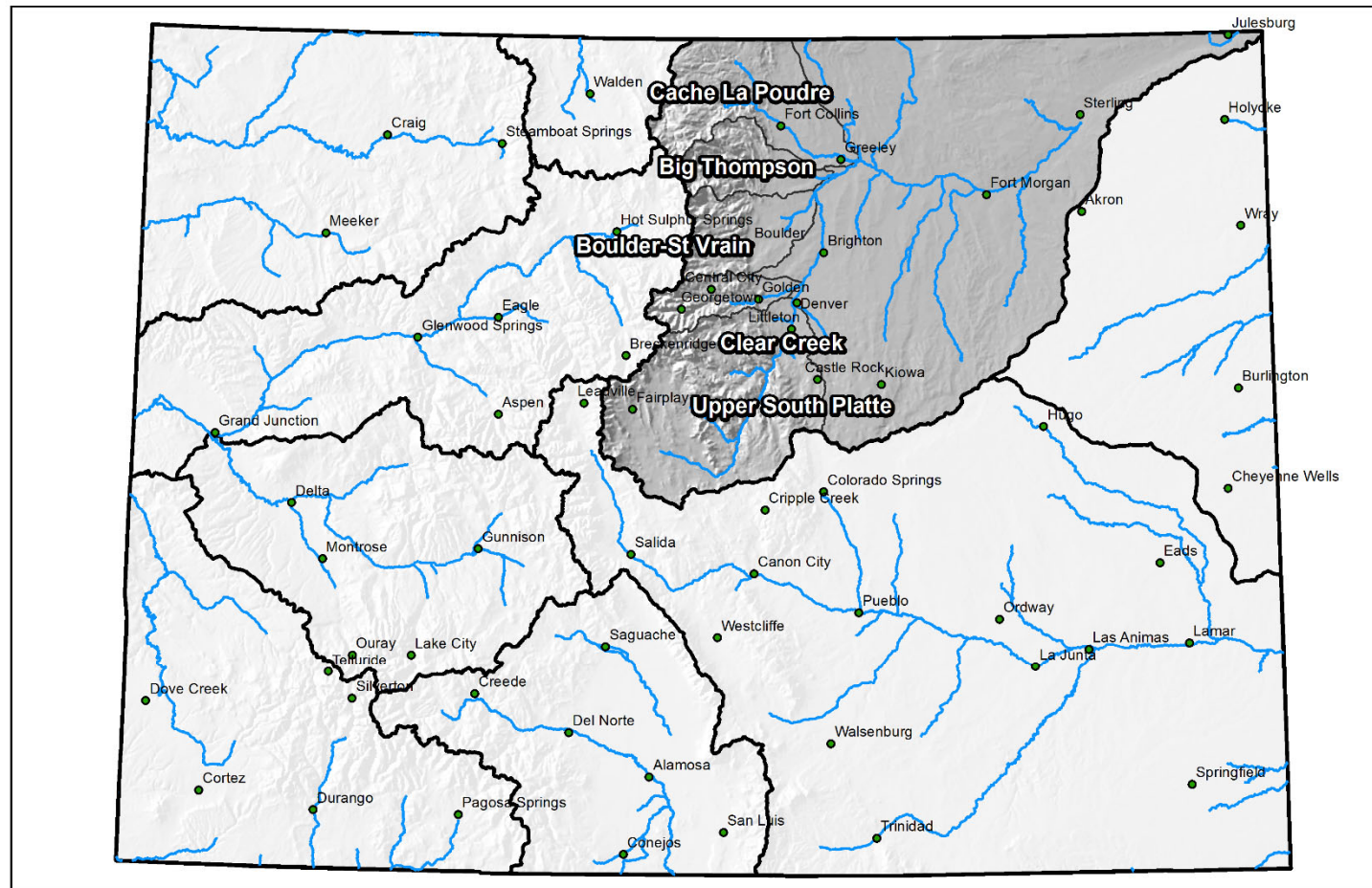


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Colorado Snow Surveys

Major Basin Summary

South Platte River Basin



0 25 50 100 150 200 Miles



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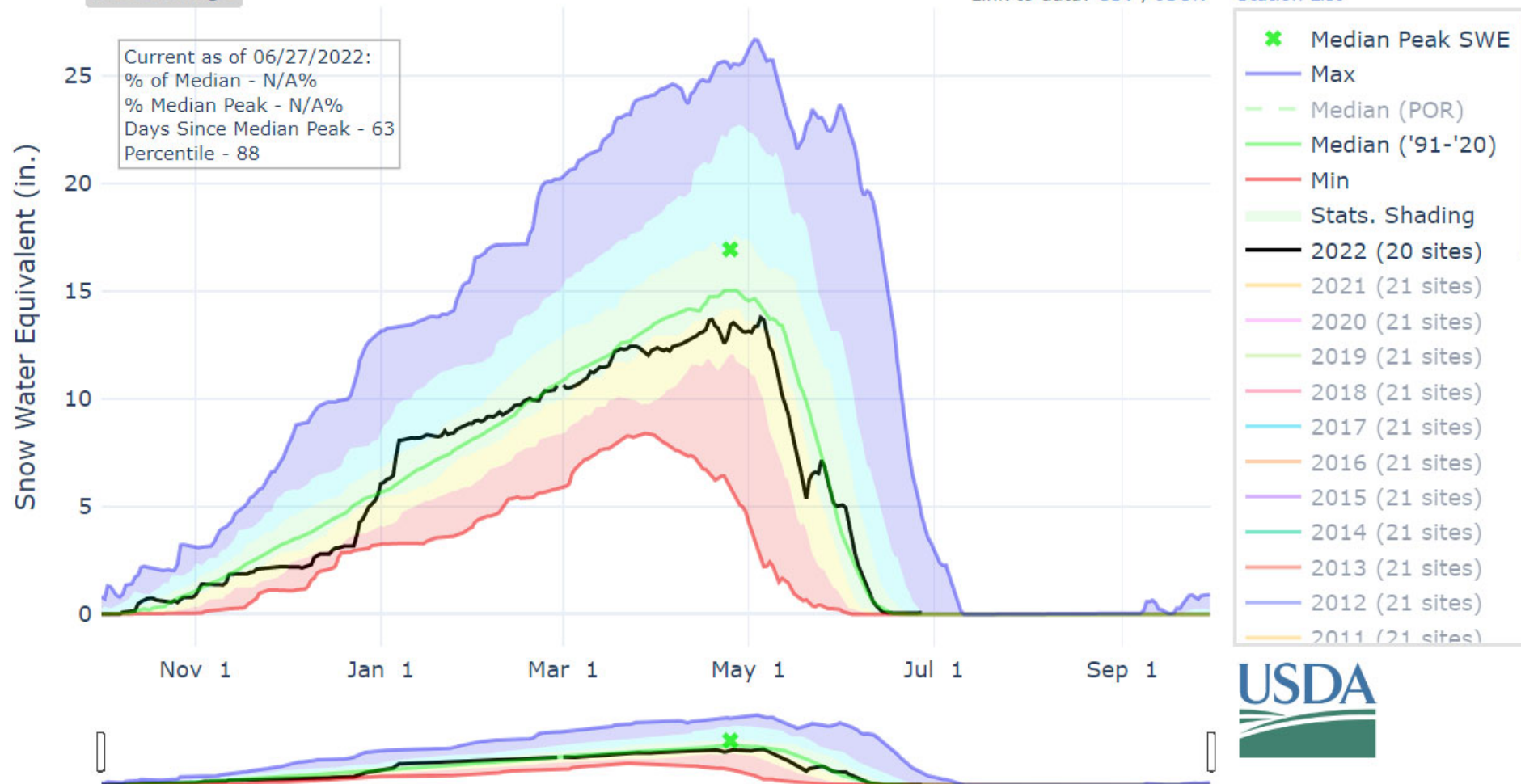
Colorado Snow Surveys

SNOW WATER EQUIVALENT IN SOUTH PLATTE

Reset Range

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

[Station List](#)





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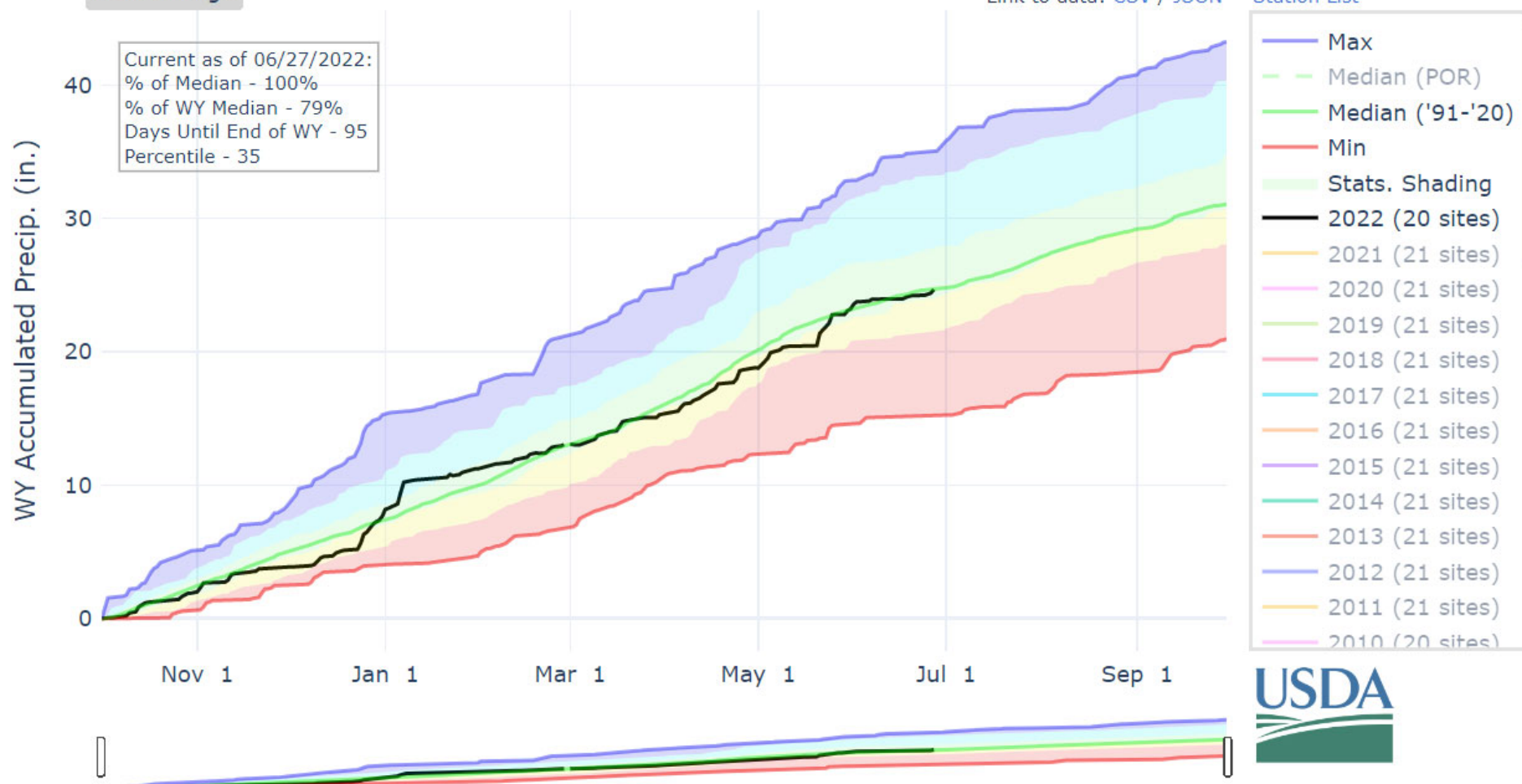
Colorado Snow Surveys

PRECIPITATION IN SOUTH PLATTE

Reset Range

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

[Station List](#)

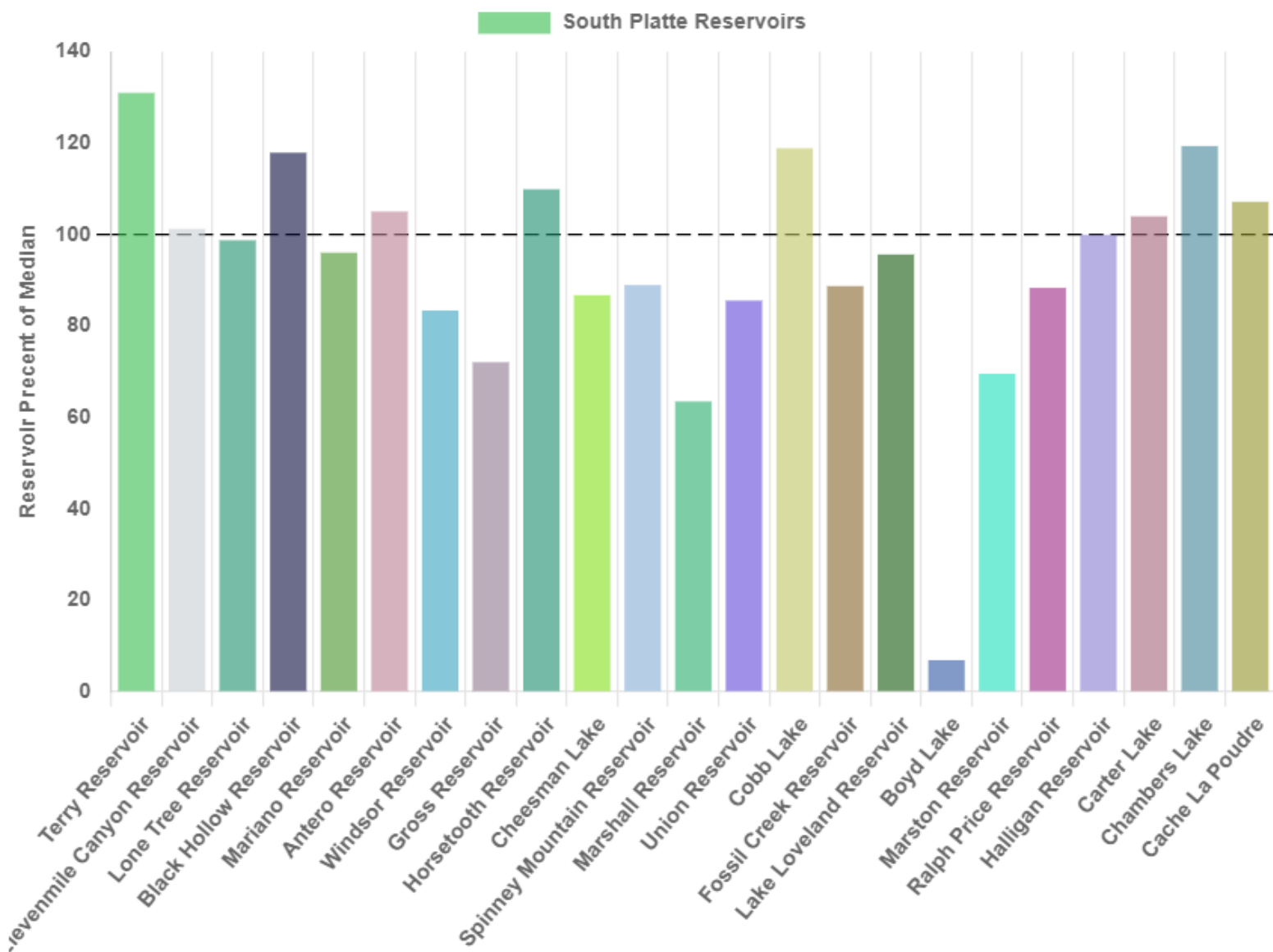




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Colorado Snow Surveys

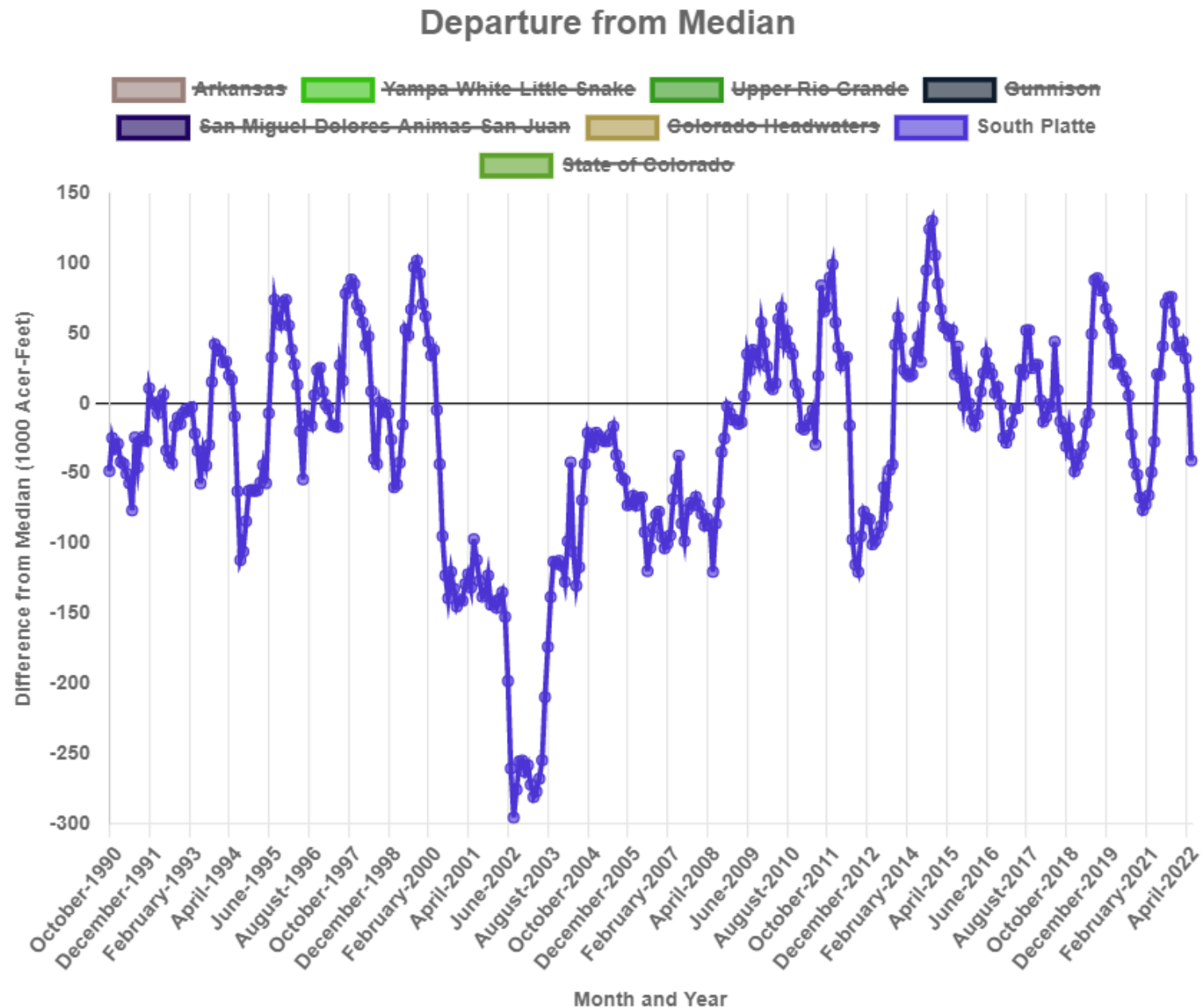
Reservoir Conditions for South Platte on June 1st 2022





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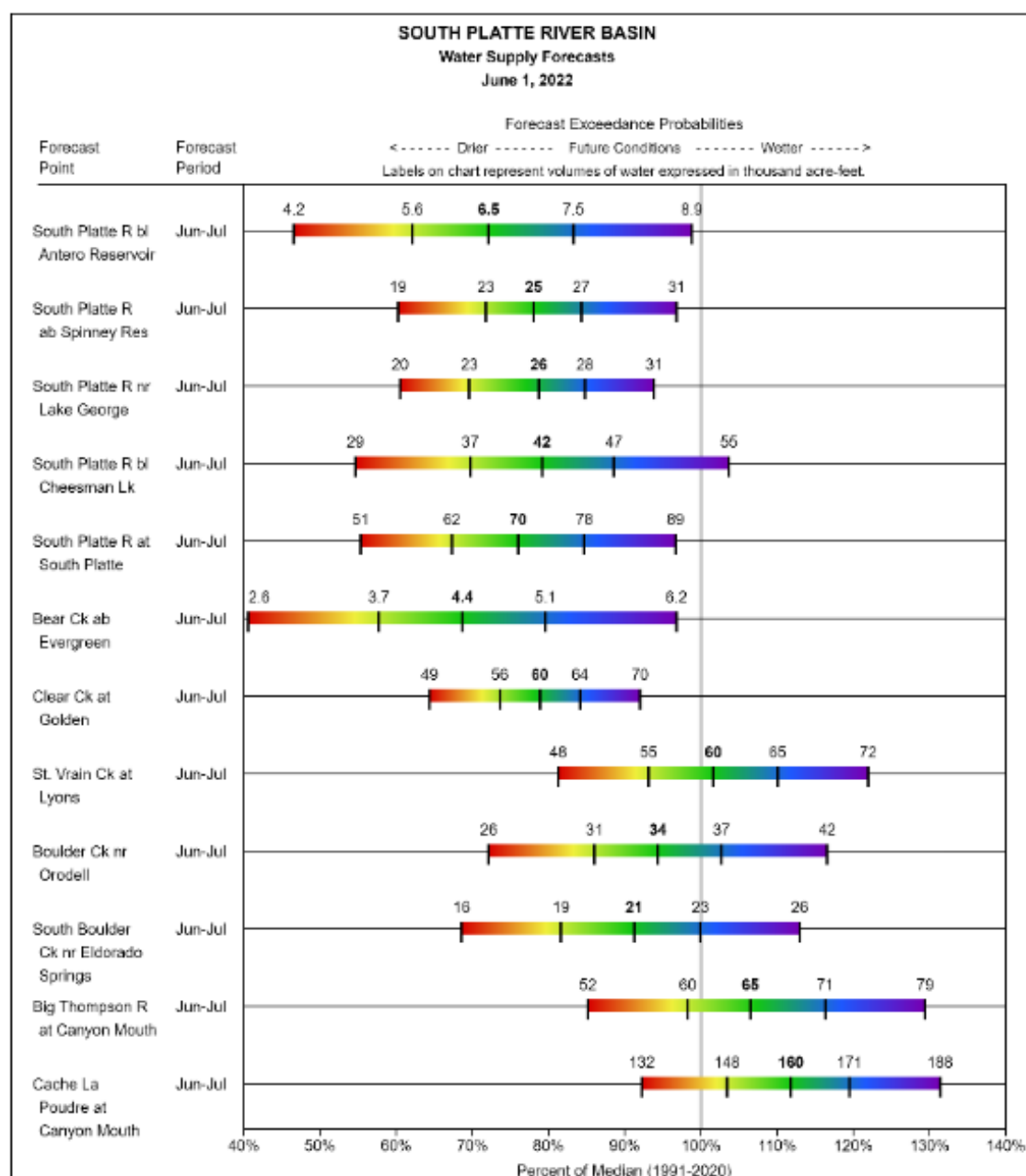
Colorado Snow Surveys





United States Department of Agriculture

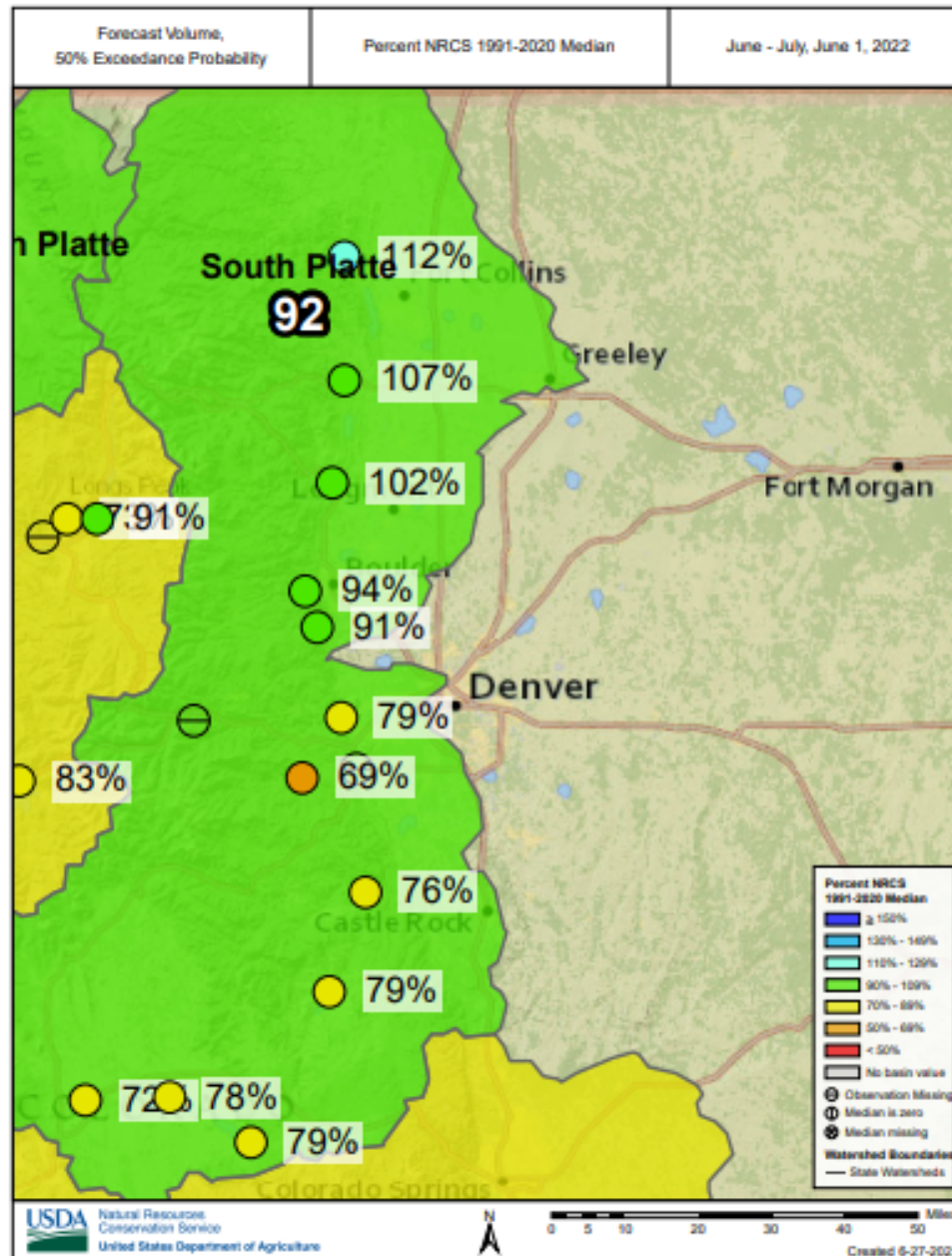
Colorado Snow Surveys





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Colorado Snow Surveys



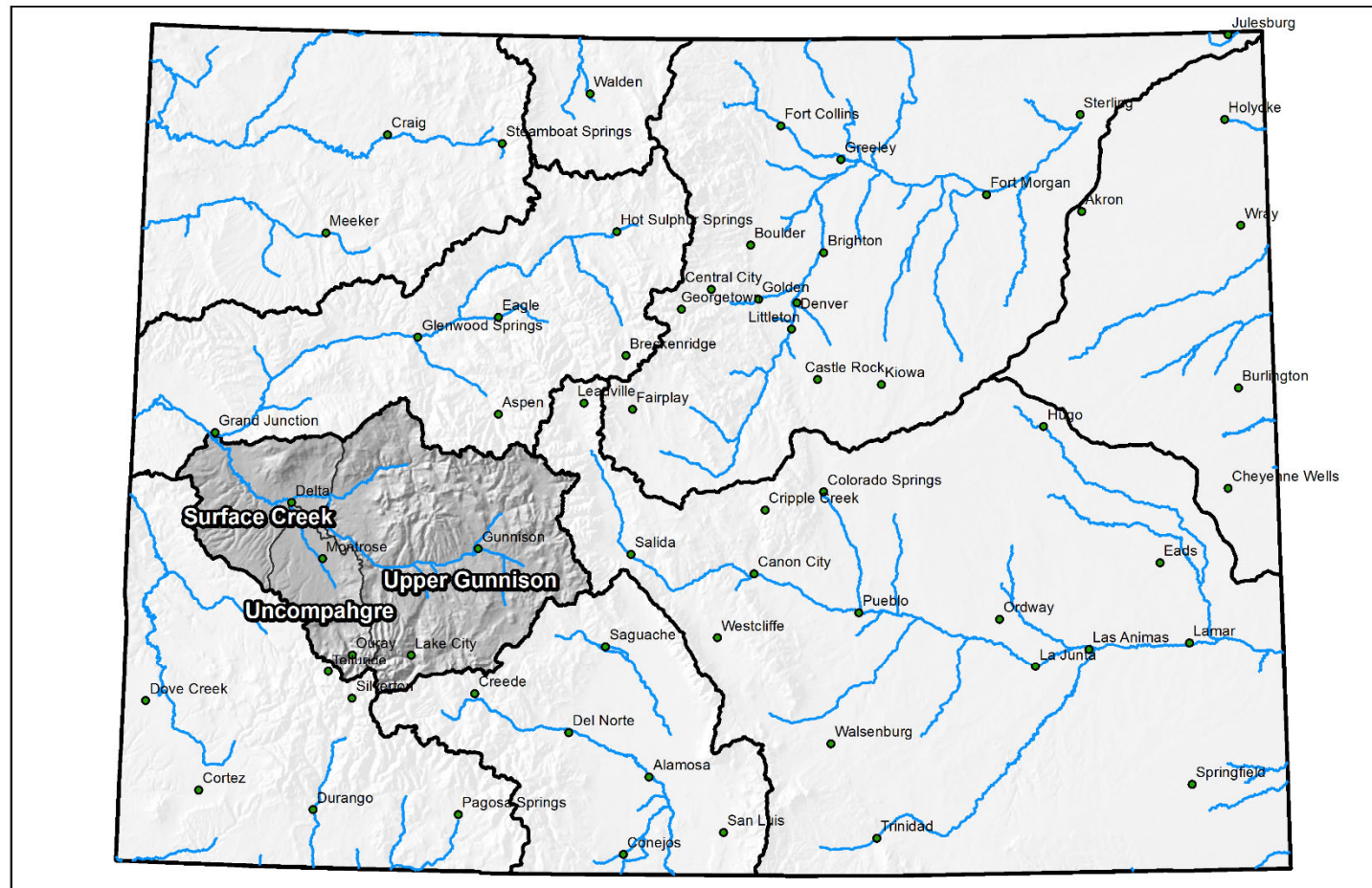


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Colorado Snow Surveys

Major Basin Summary

Gunnison River Basin



0 25 50 100 150 200 Miles



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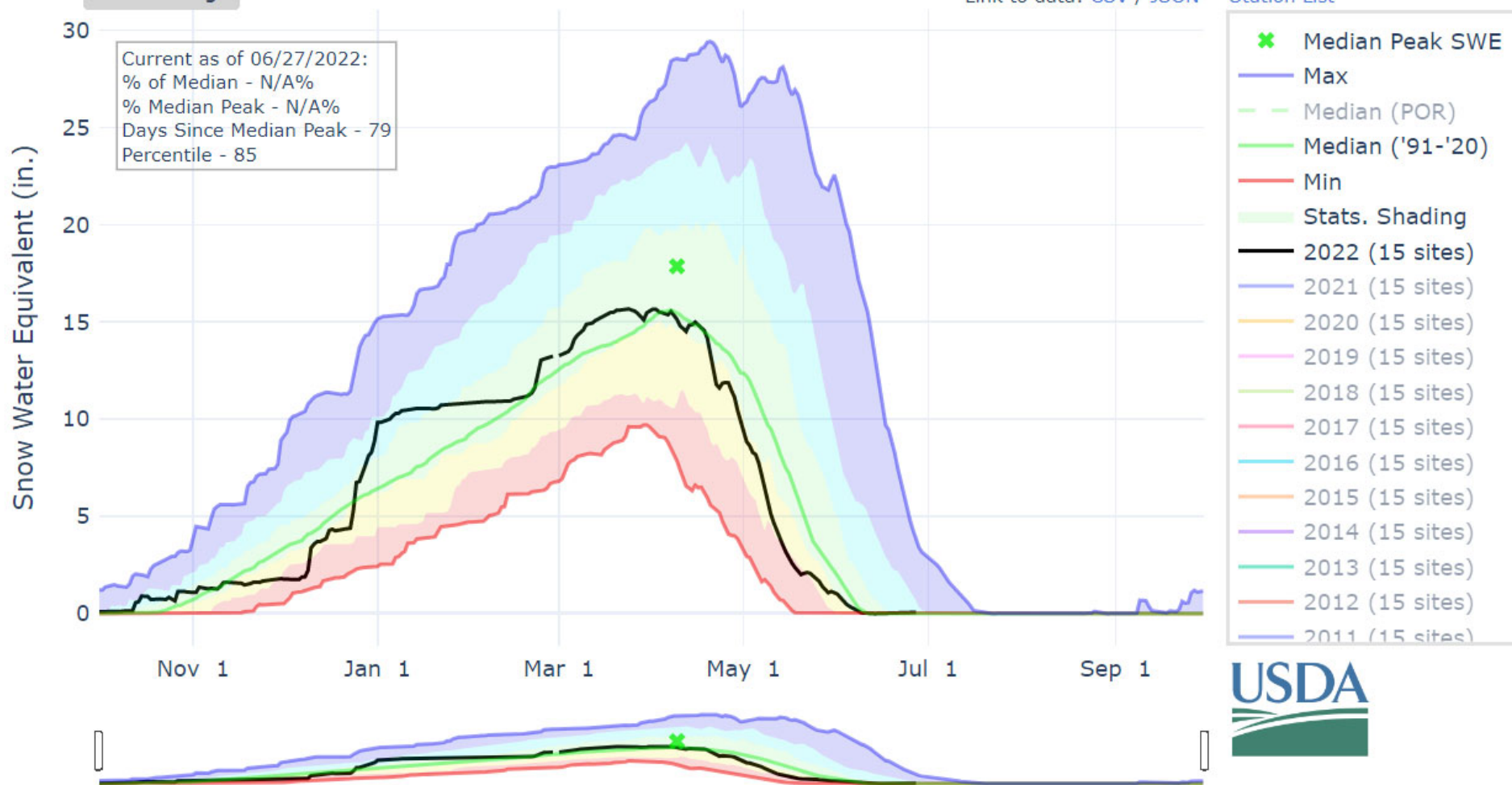
Colorado Snow Surveys

SNOW WATER EQUIVALENT IN GUNNISON

Reset Range

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

[Station List](#)





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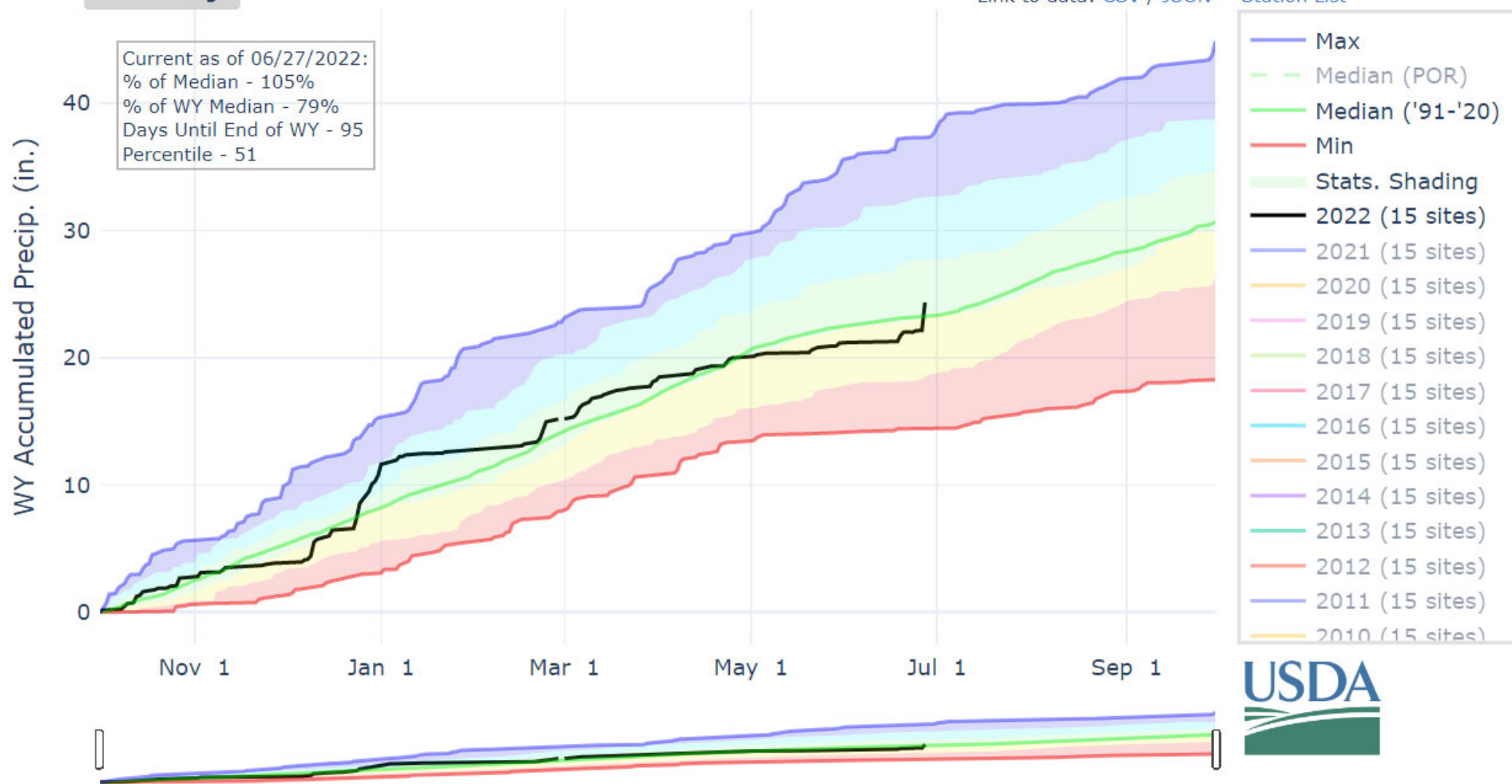
Colorado Snow Surveys

PRECIPITATION IN GUNNISON

Reset Range

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

[Station List](#)

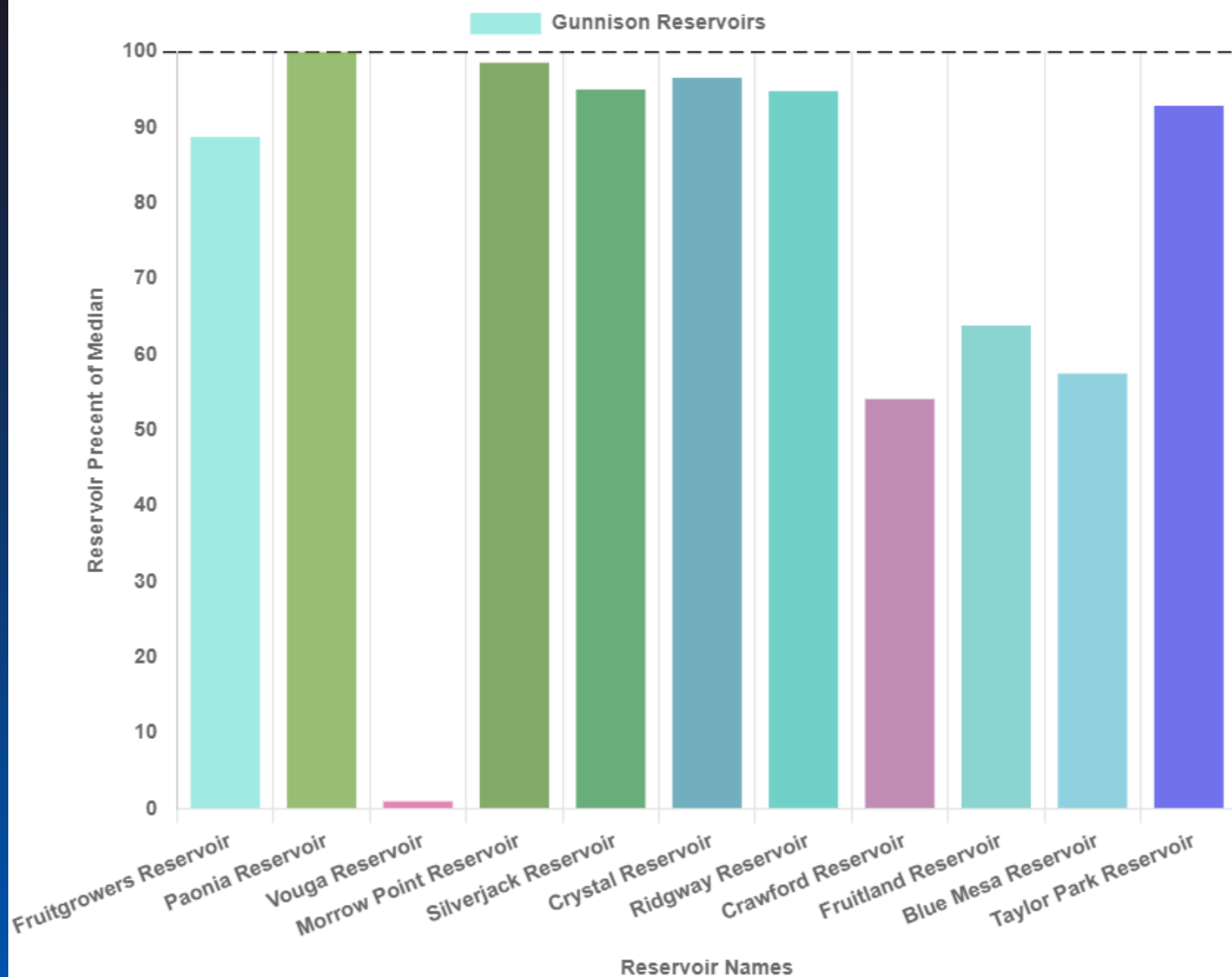


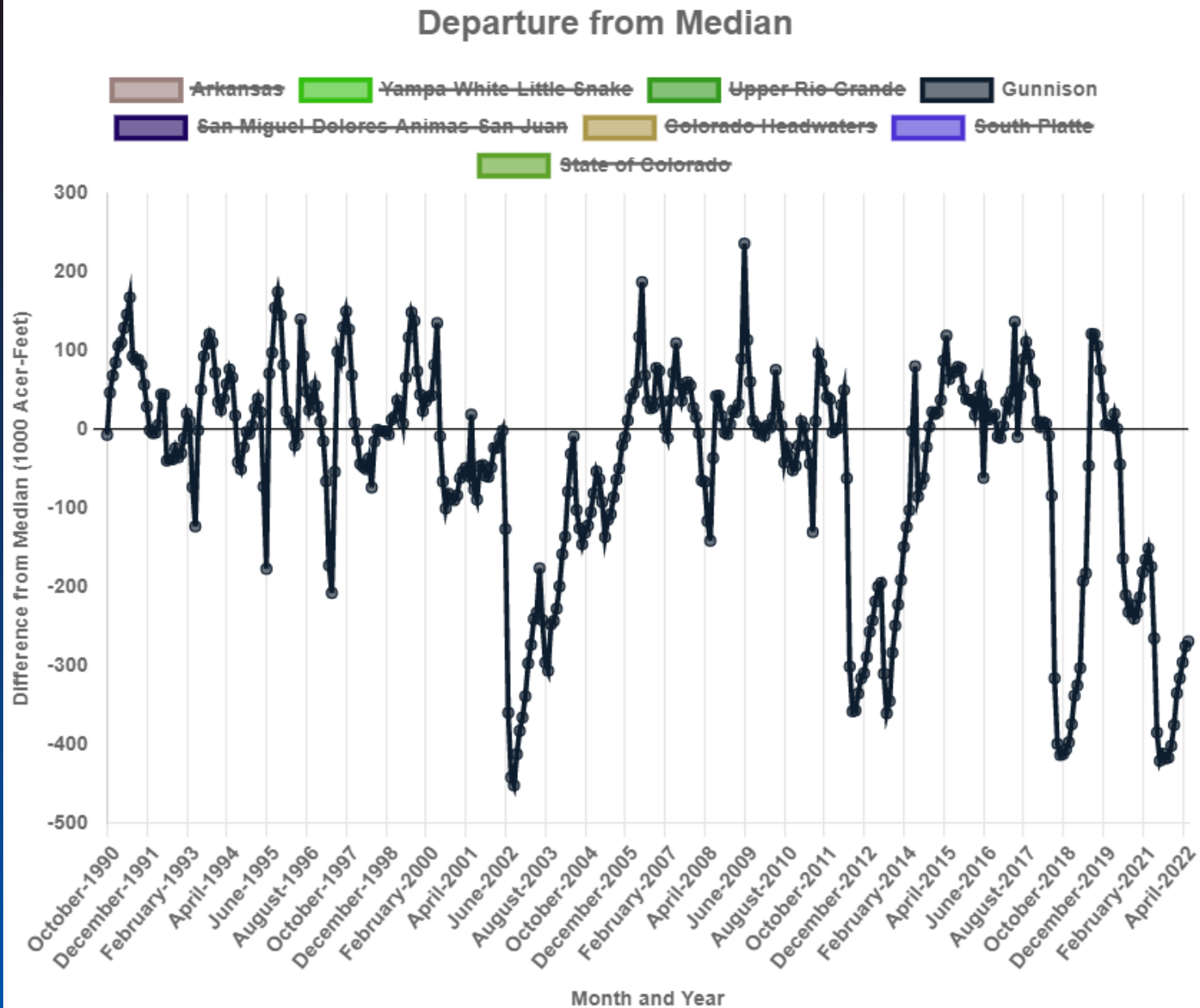


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Reservoir Conditions for Gunnison on June 1st 2022

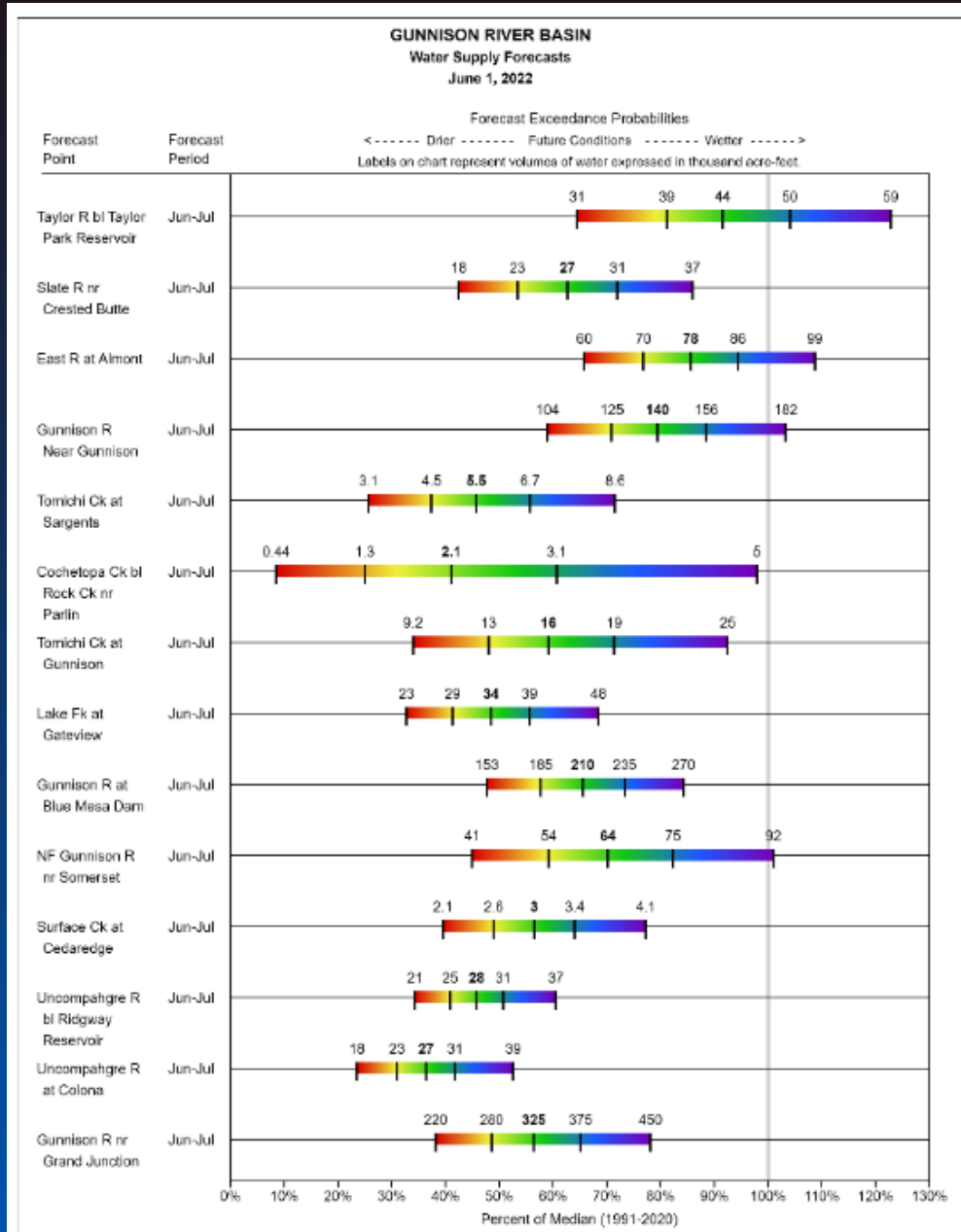






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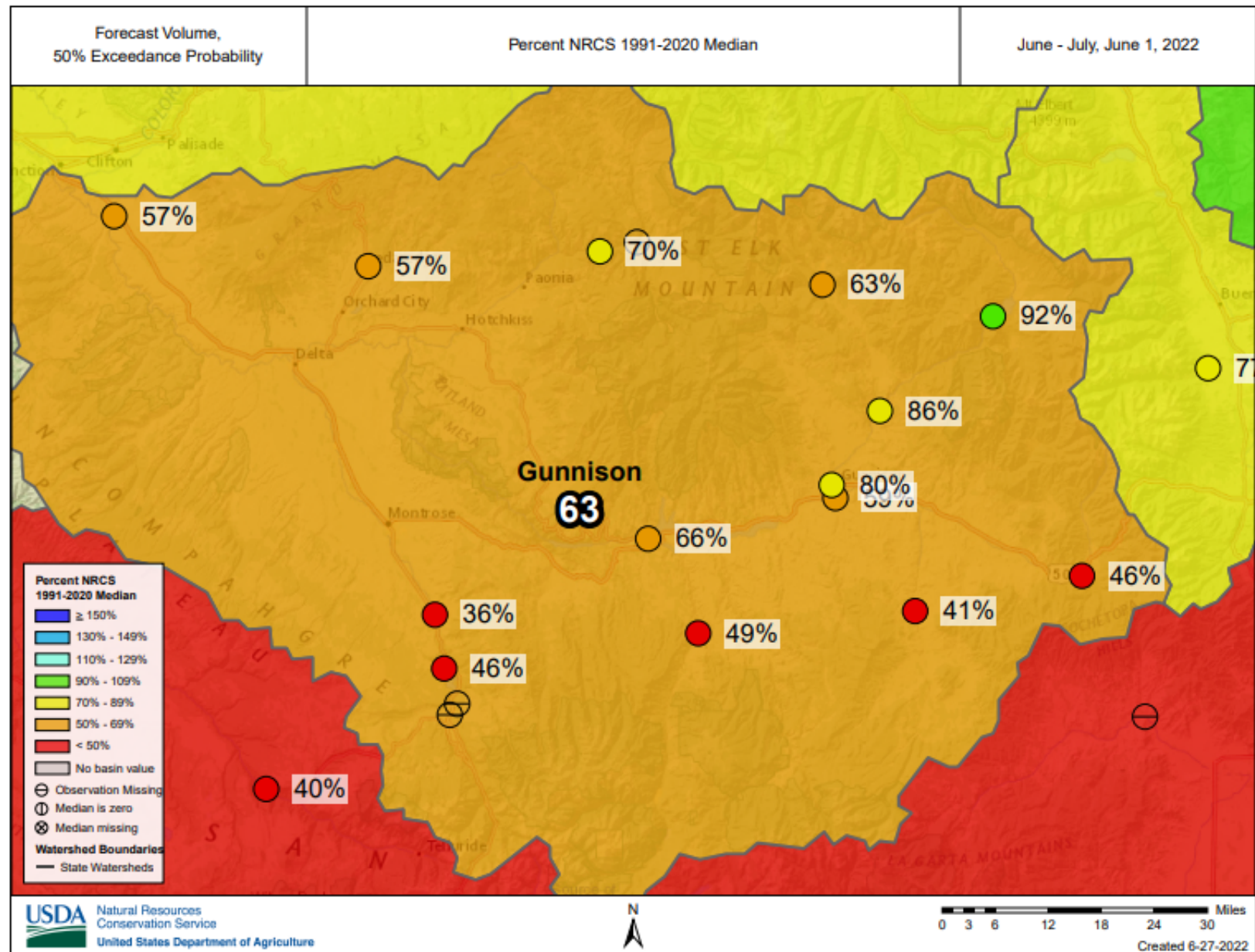
Colorado Snow Surveys





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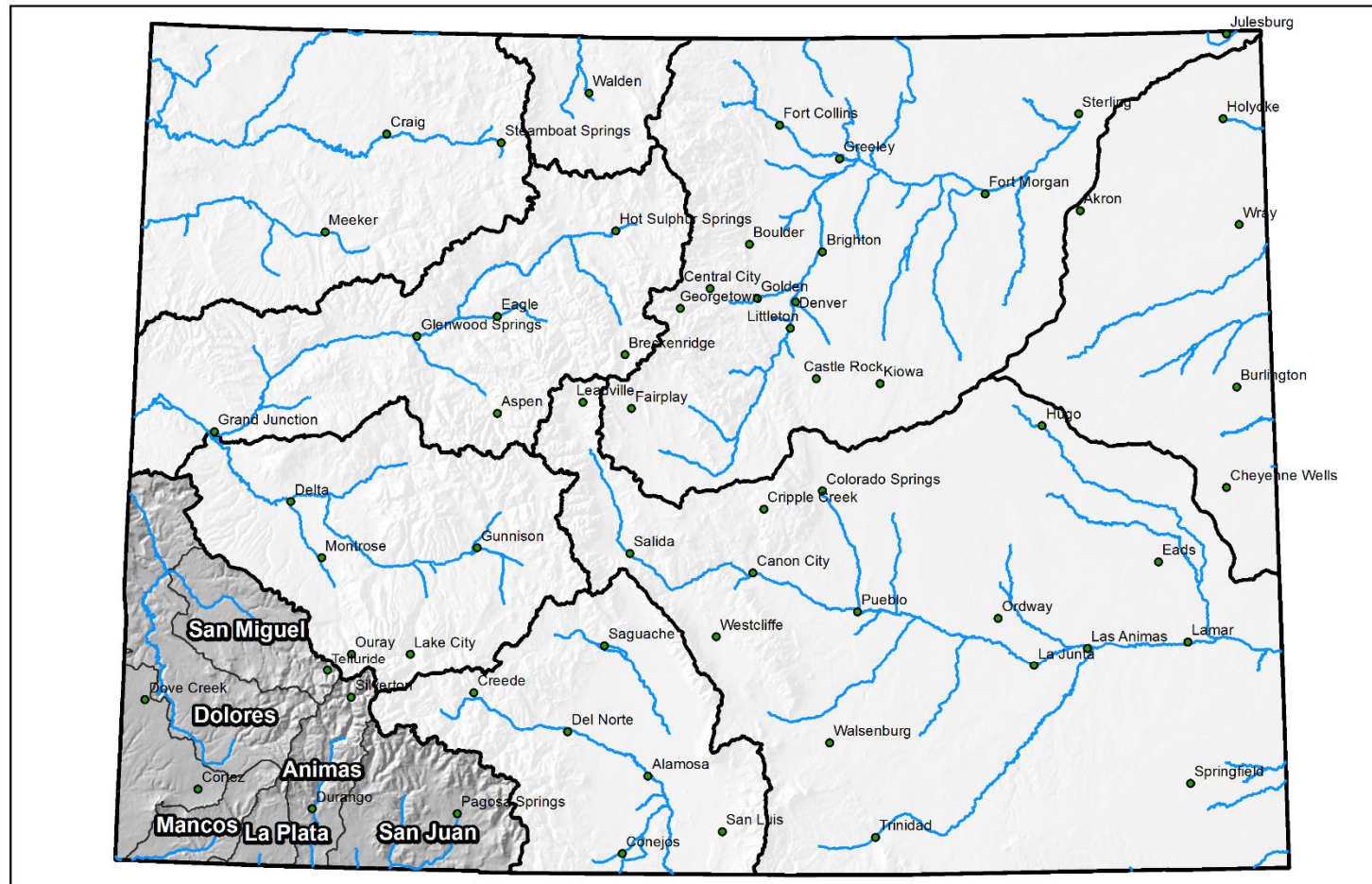


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Colorado Snow Surveys

Major Basin Summary

San Miguel, Dolores, Animas, and San Juan River Basins



0 25 50 100 150 200 Miles



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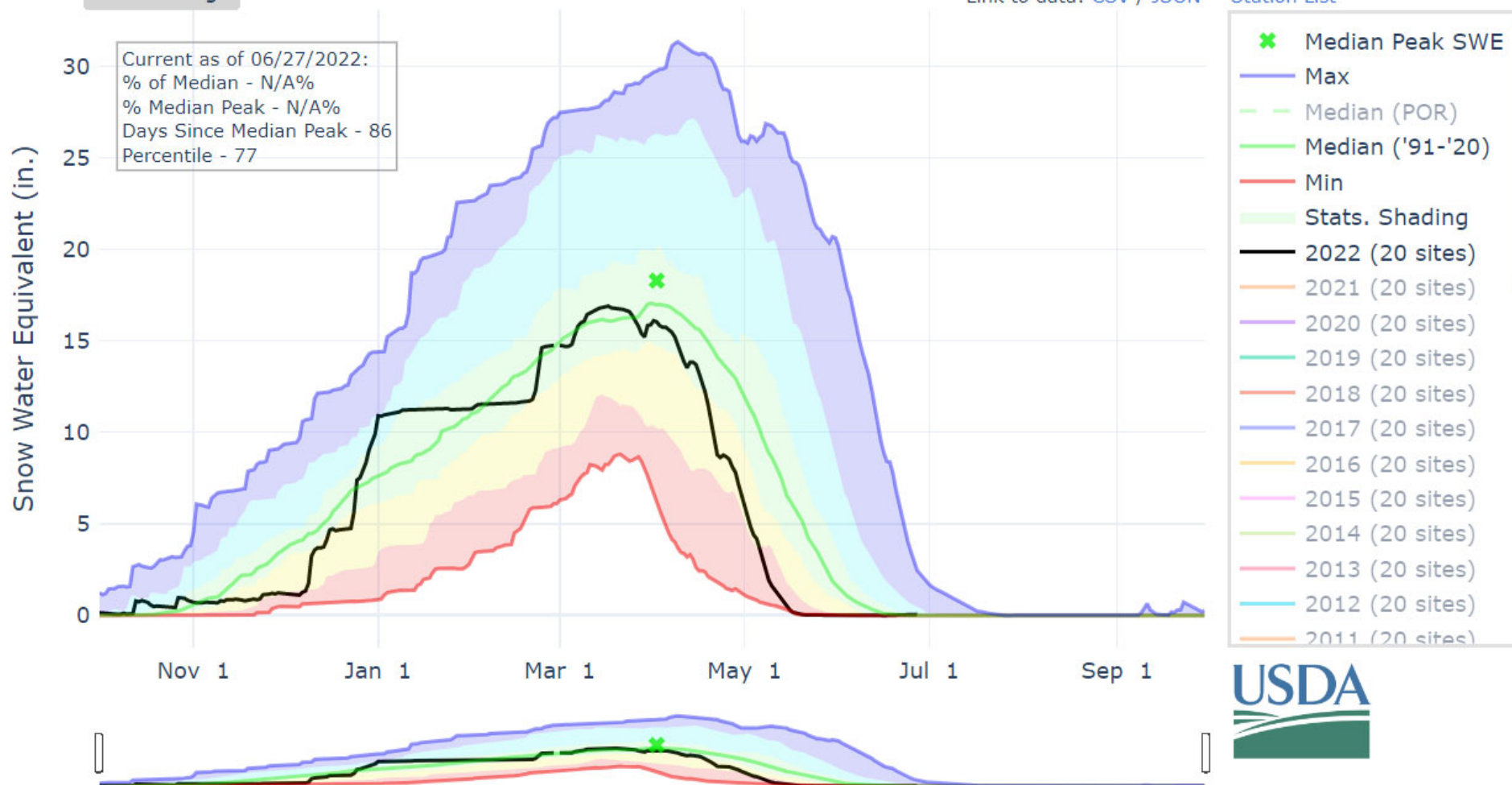
Colorado Snow Surveys

SNOW WATER EQUIVALENT IN SAN MIGUEL-DOLORES-ANIMAS-SAN JUAN

Reset Range

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

[Station List](#)





United States Department of Agriculture

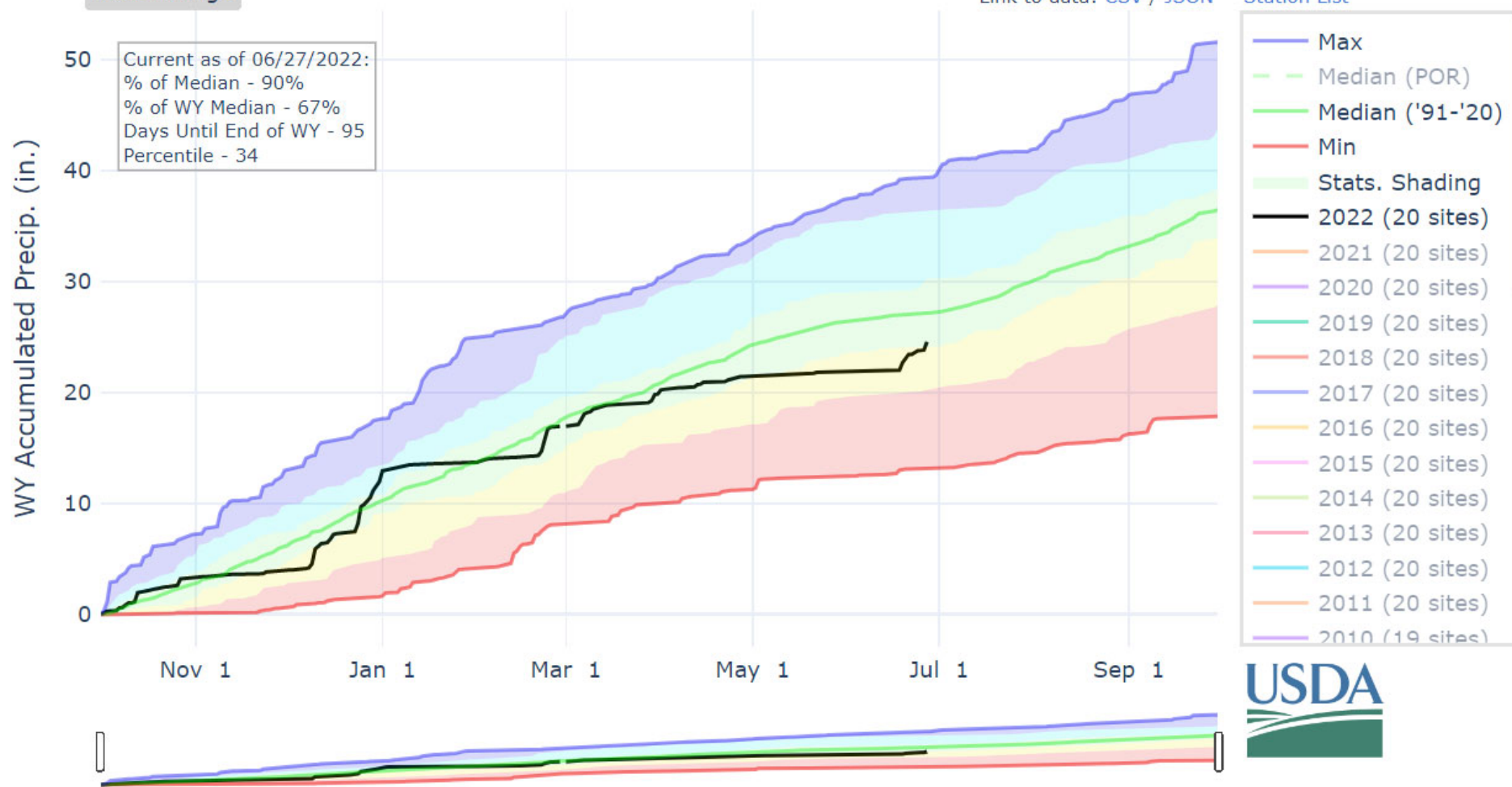
Colorado Snow Surveys

PRECIPITATION IN SAN MIGUEL-DOLORES-ANIMAS-SAN JUAN

Reset Range

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

[Station List](#)





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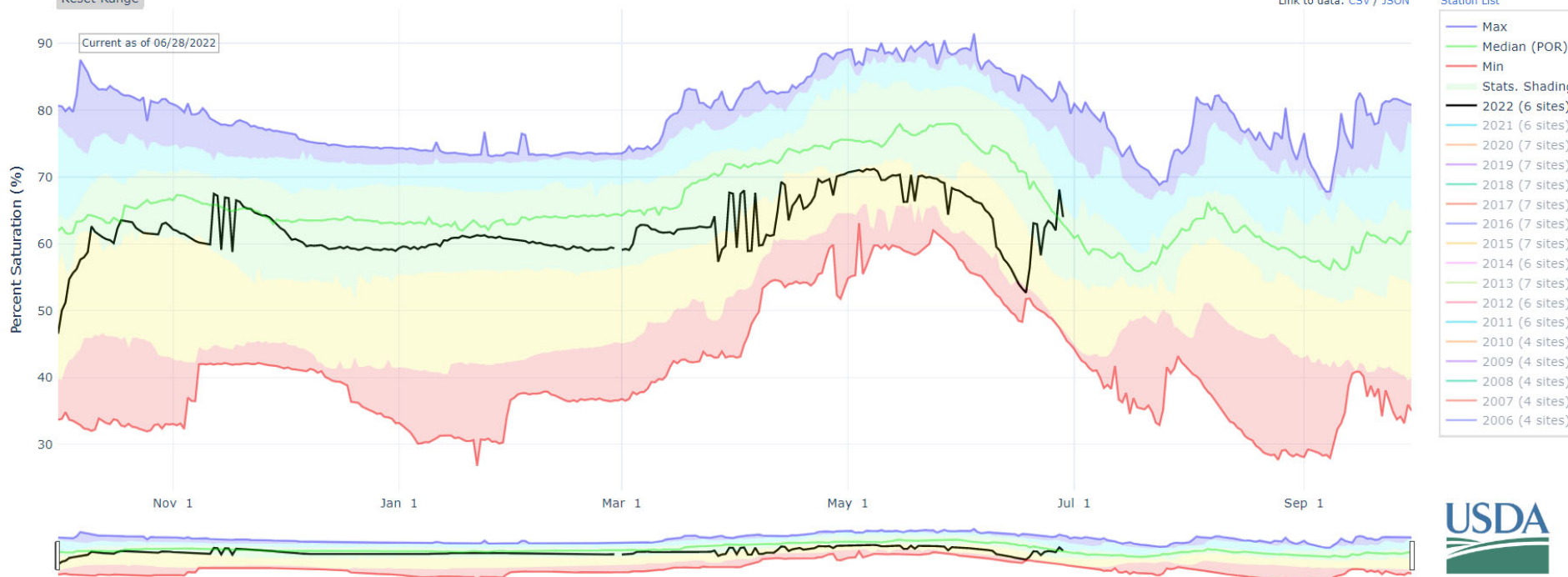
Colorado Snow Surveys

DEPTH AVERAGED SOIL SATURATION IN SAN MIGUEL-DOLORES-ANIMAS-SAN JUAN

Reset Range

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

[Station List](#)

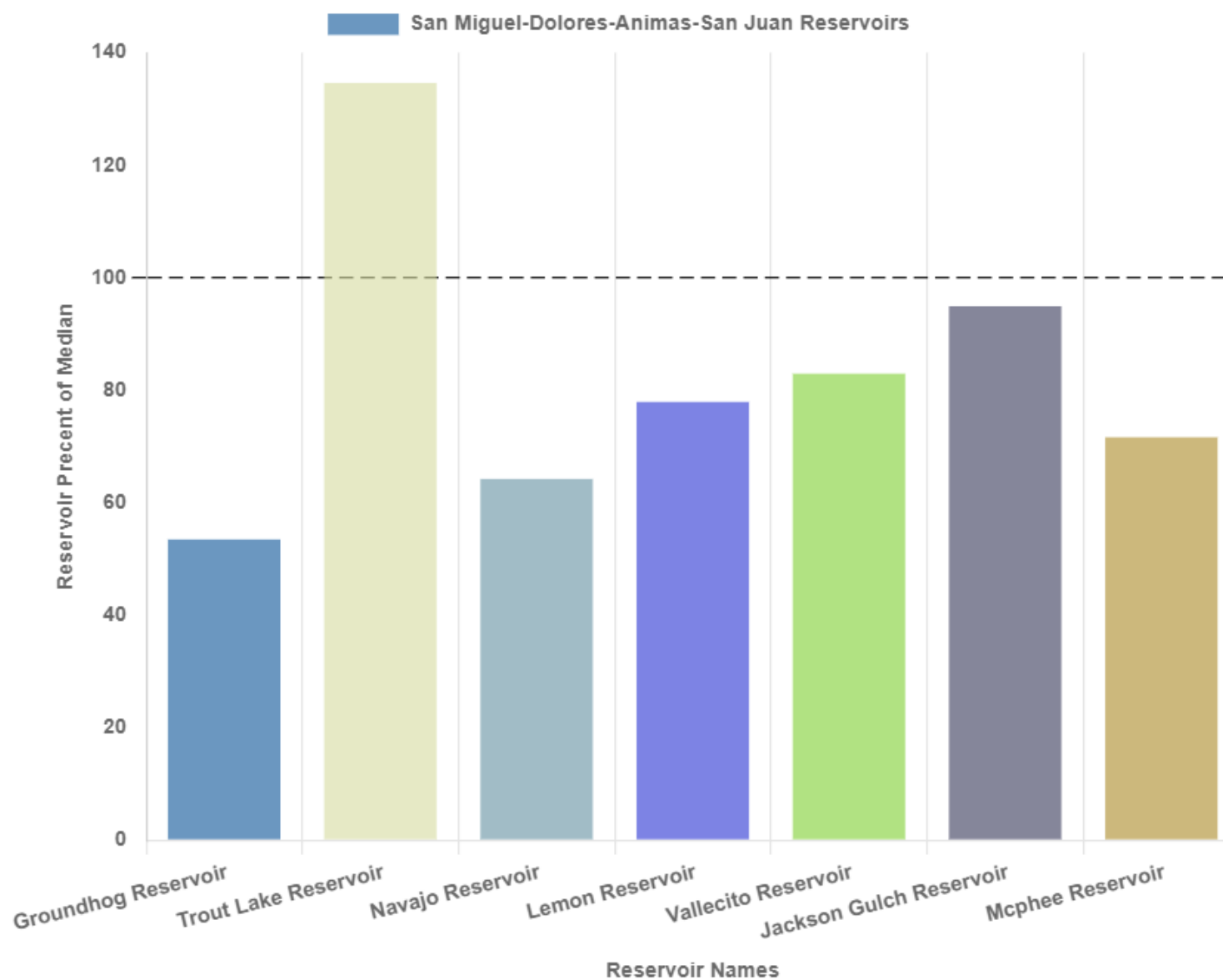




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Colorado Snow Surveys

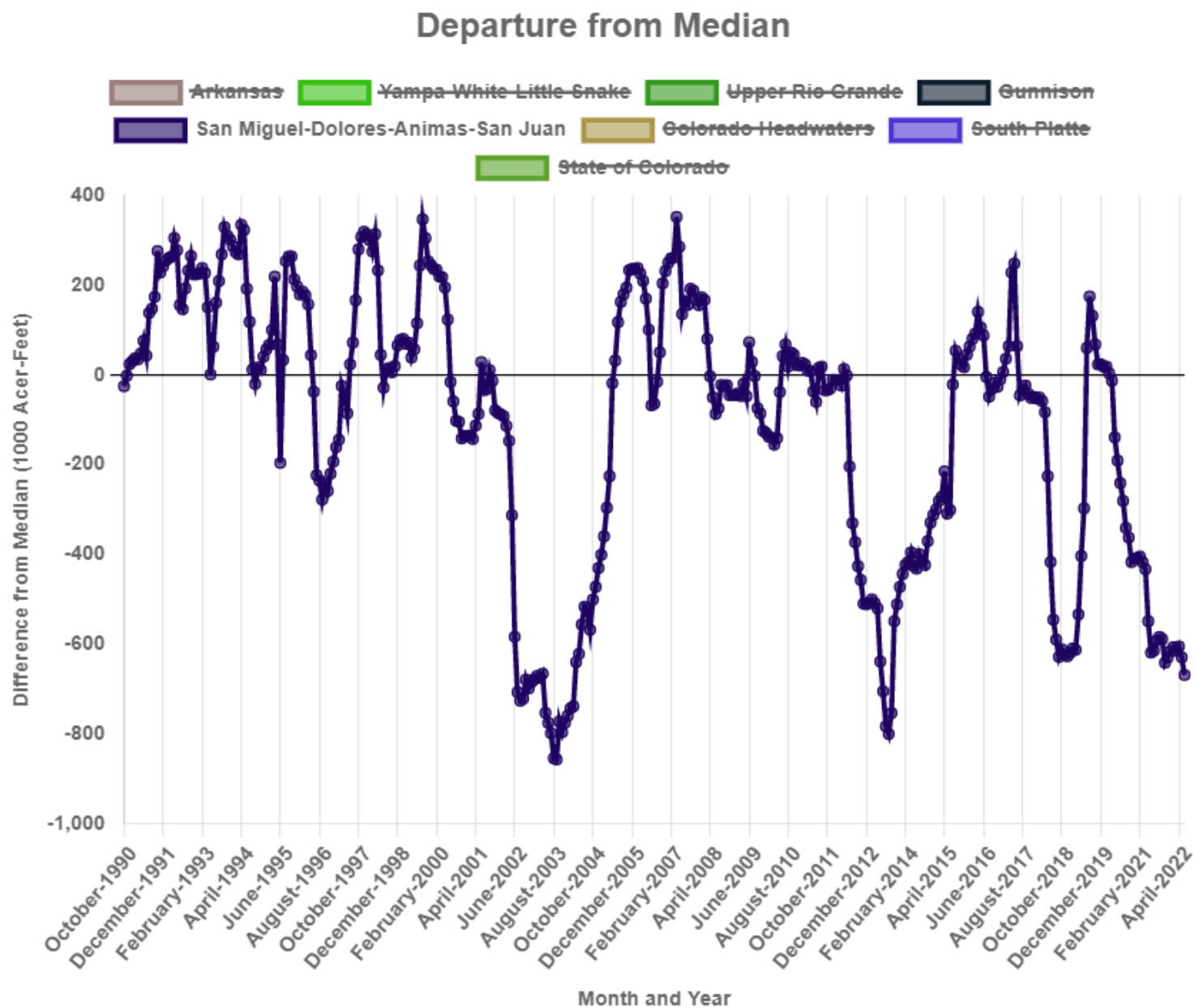
Reservoir Conditions for San Miguel-Dolores-Animas-San Juan on June 1st 2022





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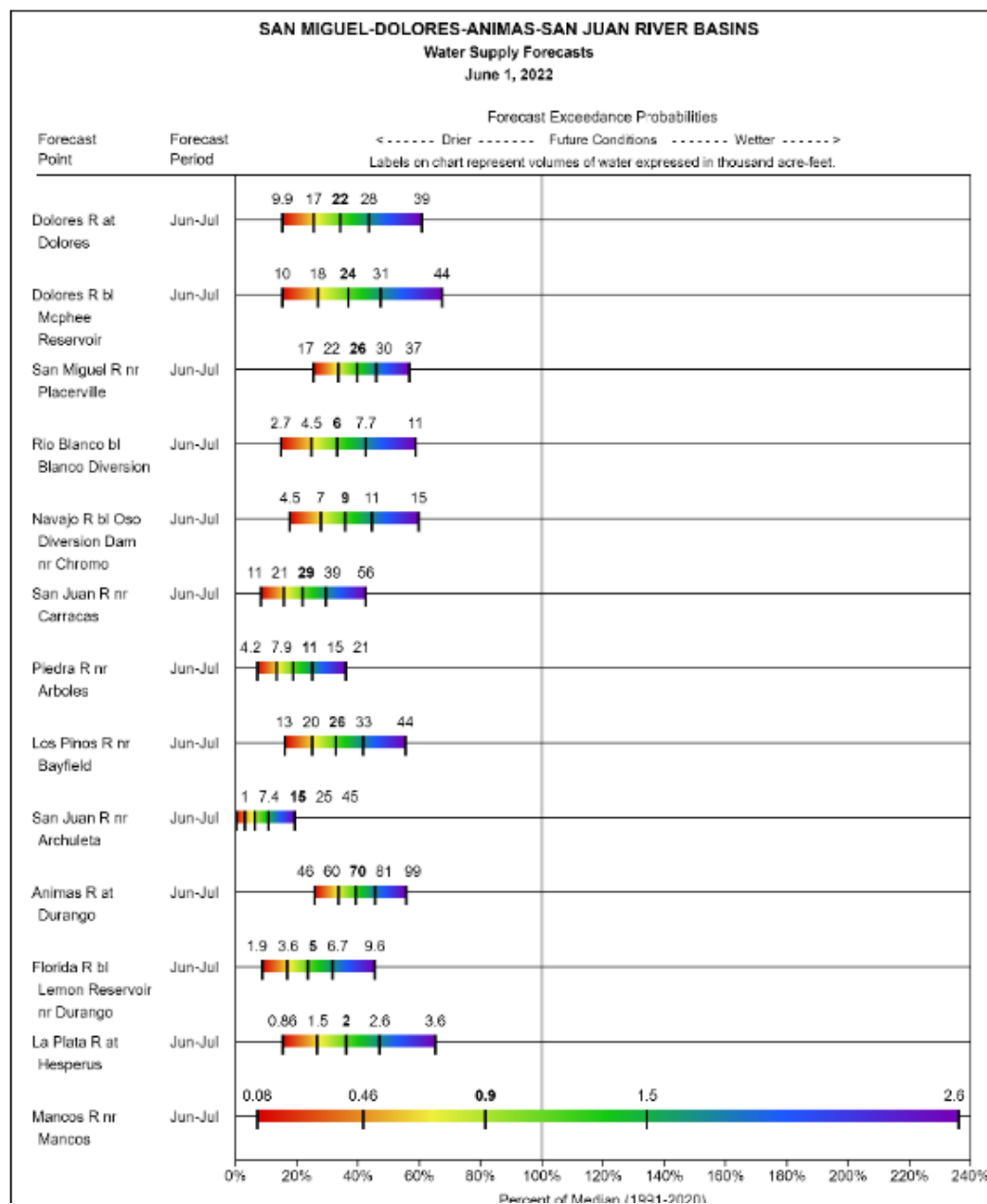
Colorado Snow Surveys





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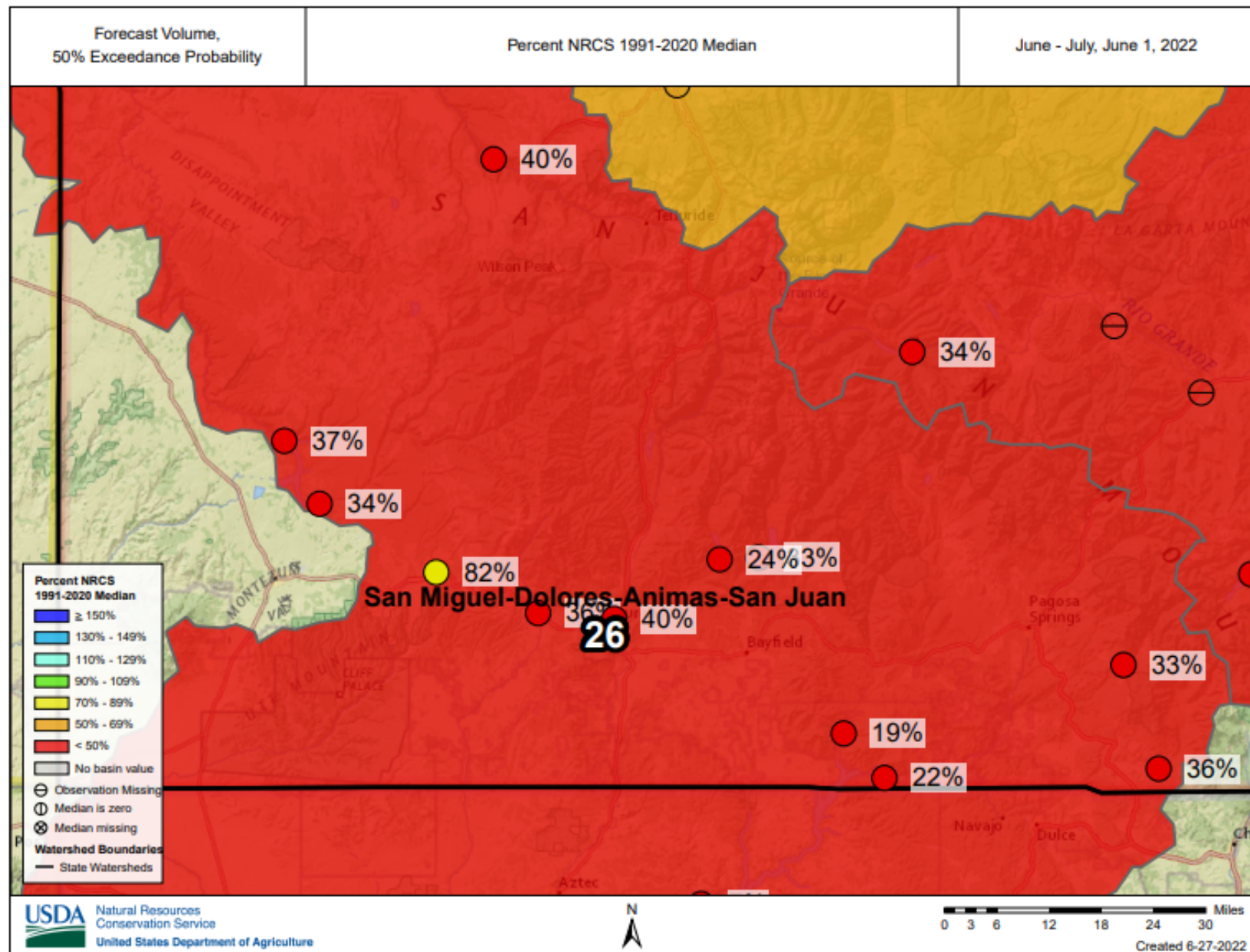
Colorado Snow Surveys





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Colorado Snow Surveys



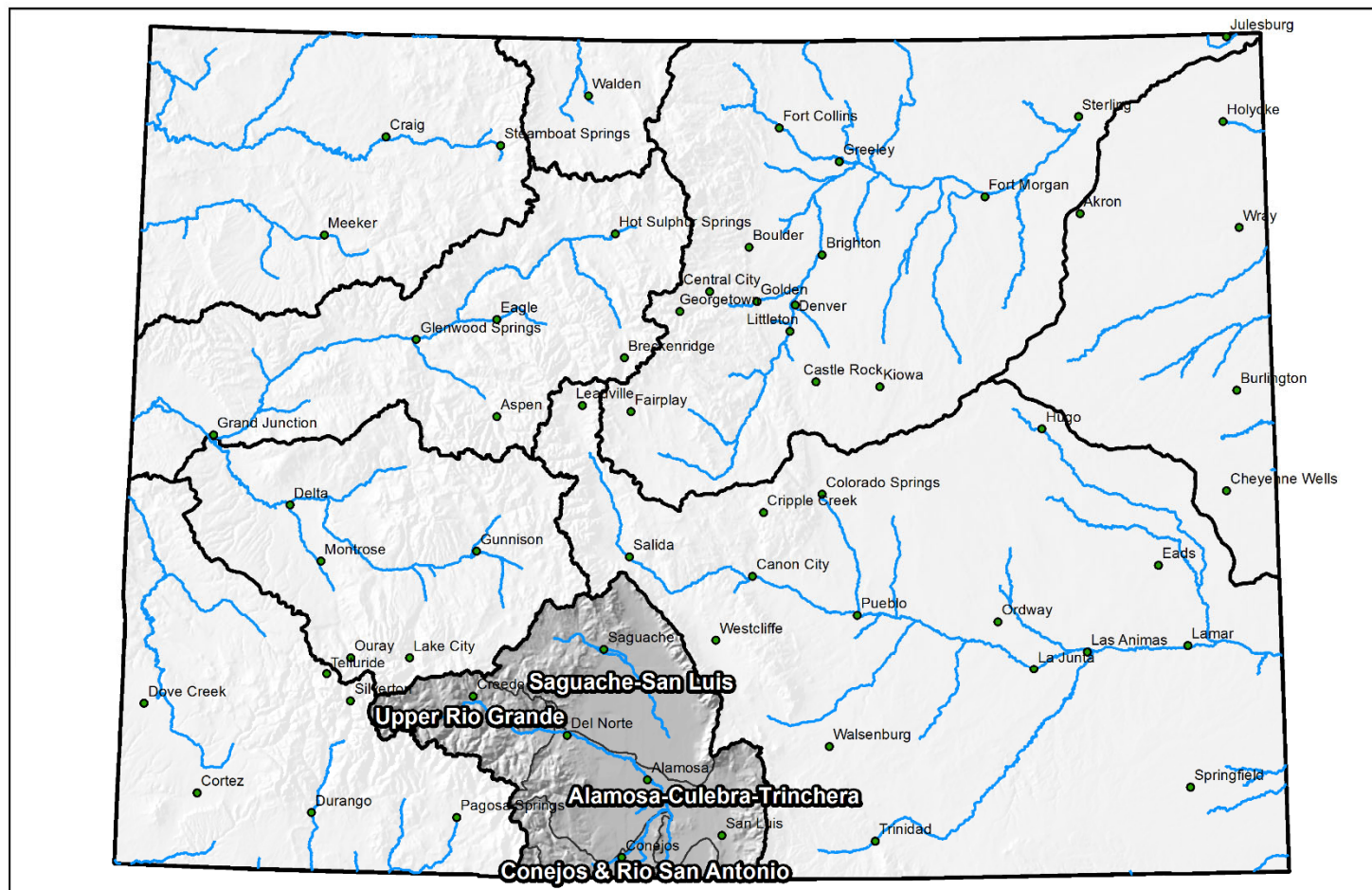


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Colorado Snow Surveys

Major Basin Summary

Upper Rio Grande River Basin



0 25 50 100 150 200 Miles



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Natural Resources Conservation Service



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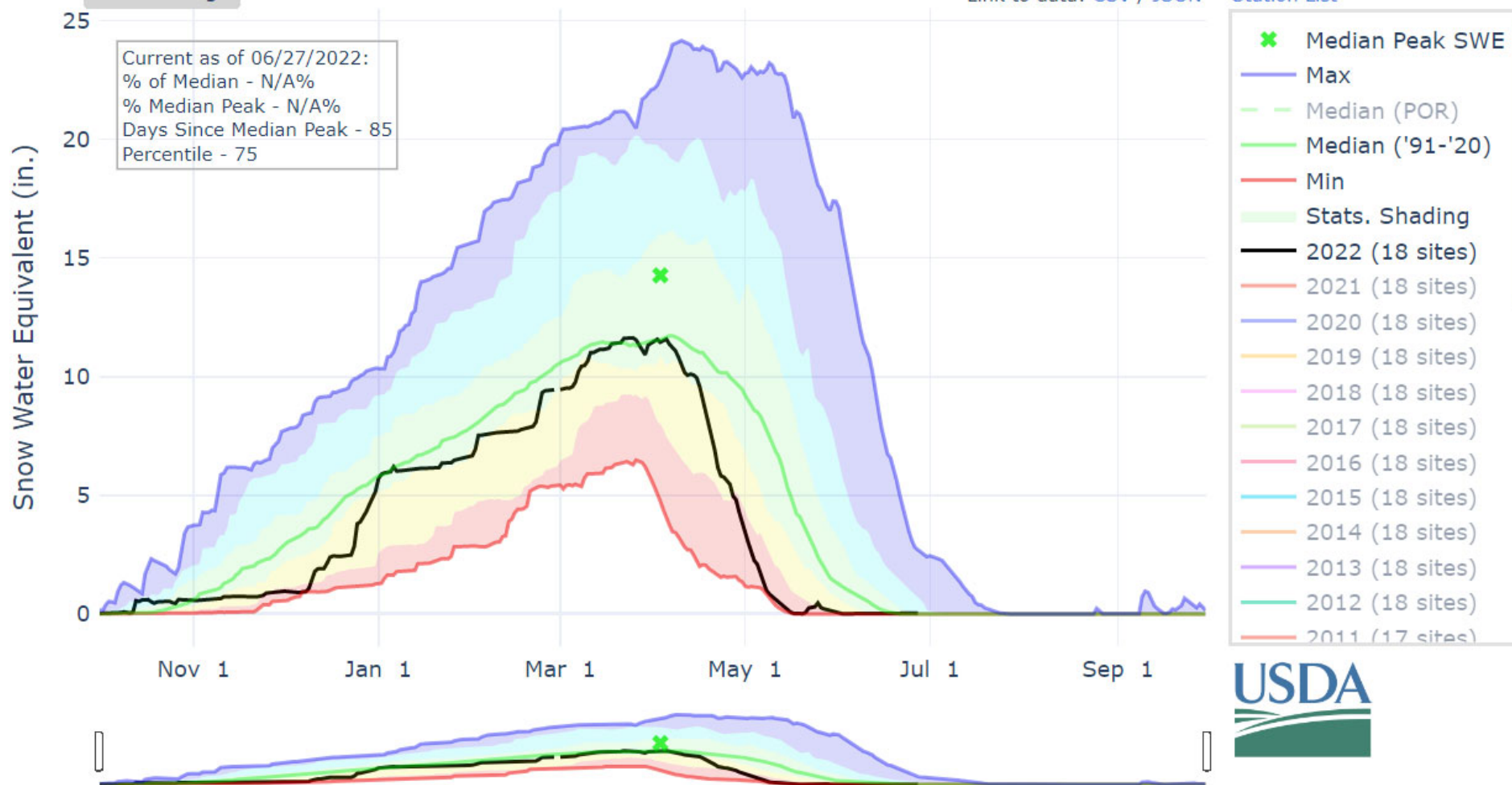
Colorado Snow Surveys

SNOW WATER EQUIVALENT IN UPPER RIO GRANDE

Reset Range

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

[Station List](#)





United States Department of Agriculture

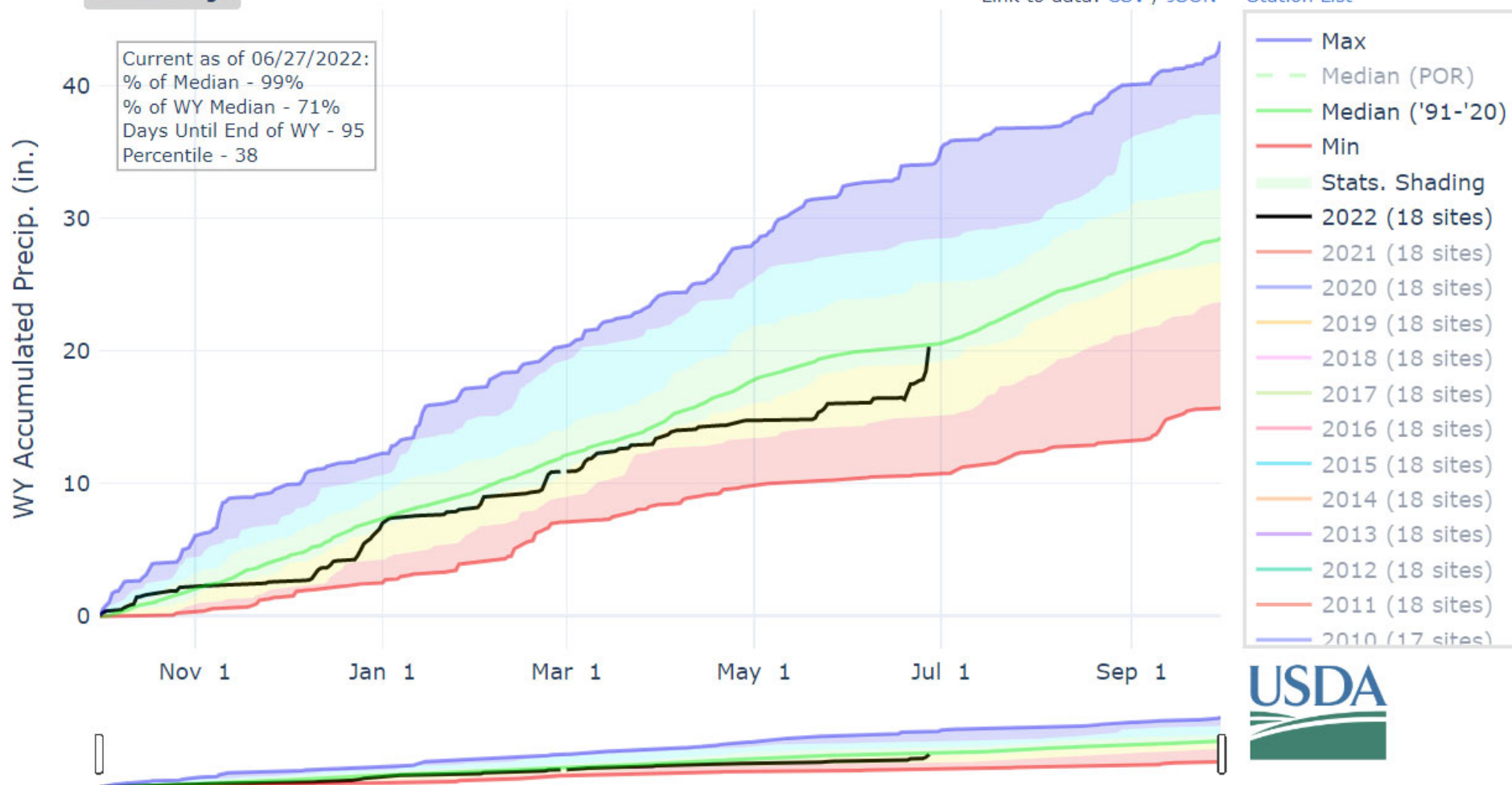
Colorado Snow Surveys

PRECIPITATION IN UPPER RIO GRANDE

Reset Range

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

[Station List](#)





United States Department of Agriculture

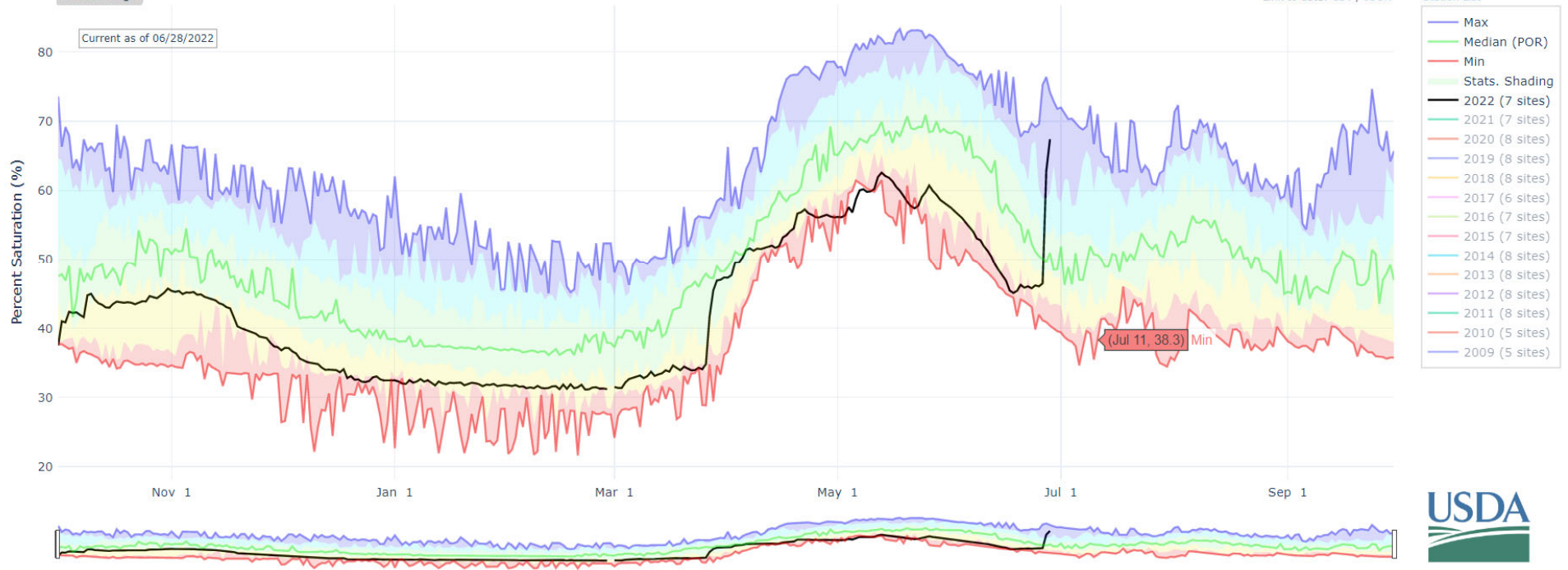
Colorado Snow Surveys

DEPTH AVERAGED SOIL SATURATION IN UPPER RIO GRANDE

Reset Range

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

Station List

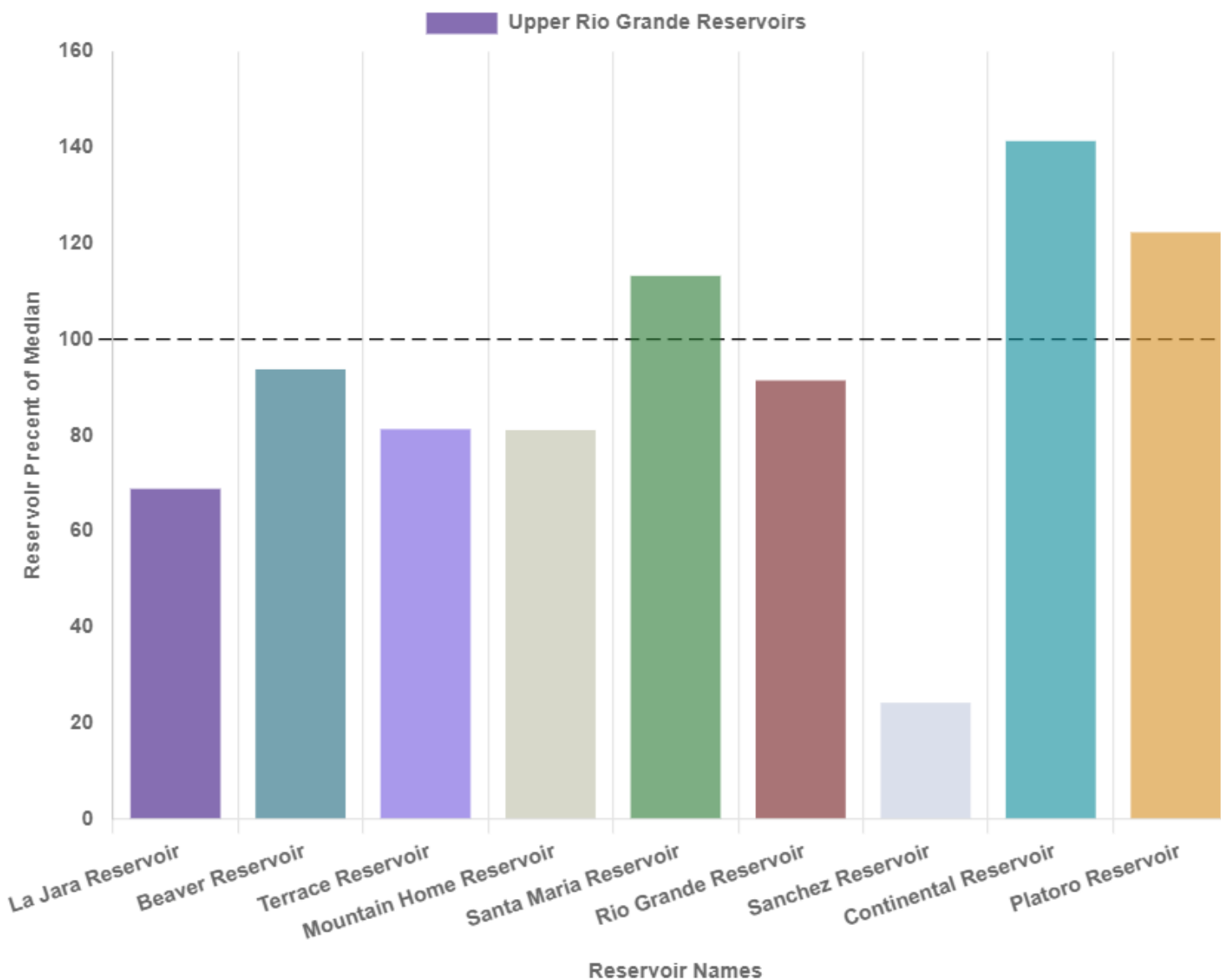




United States Department of Agriculture

Colorado Snow Surveys

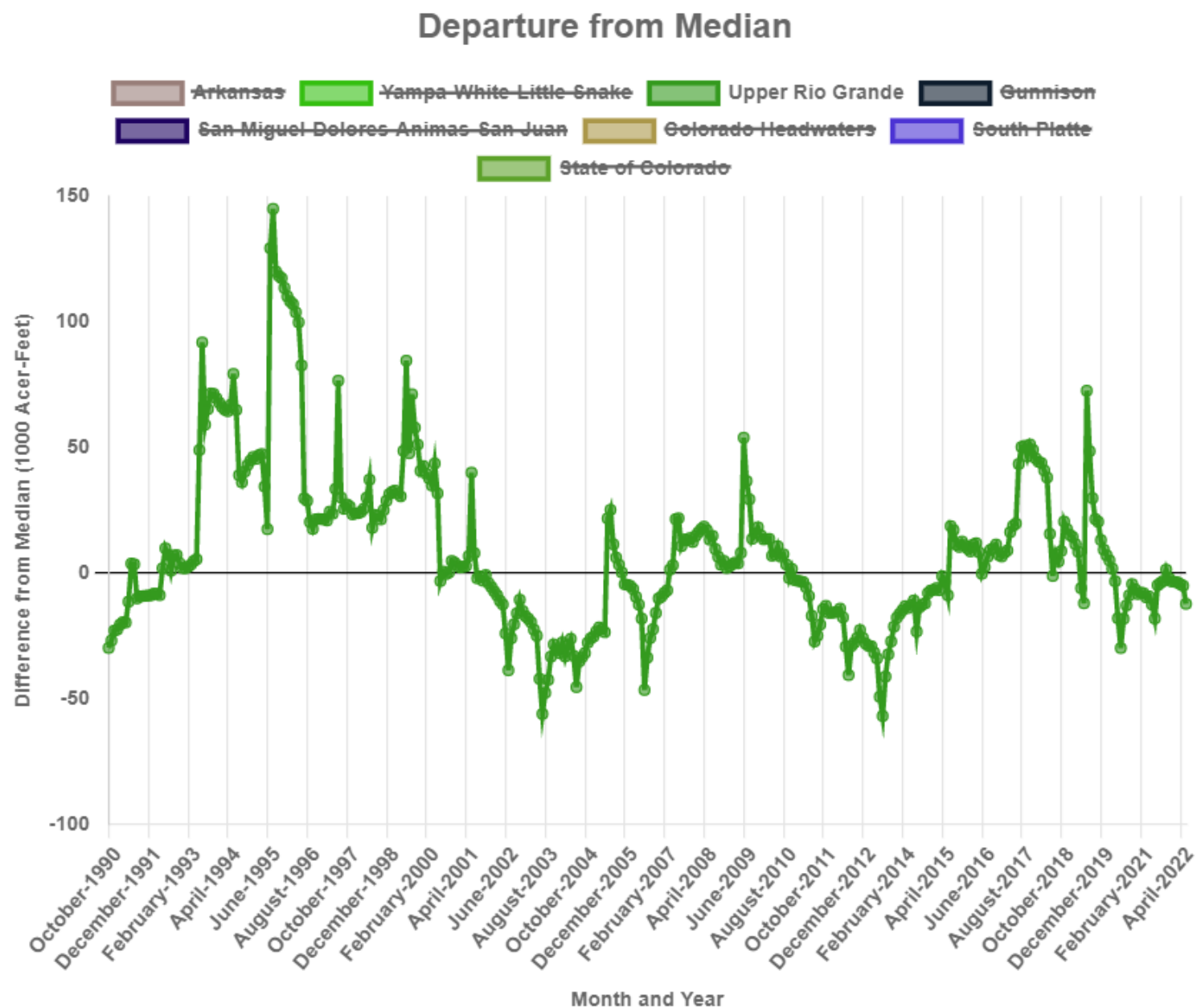
Reservoir Conditions for Upper Rio Grande on June 1st 2022





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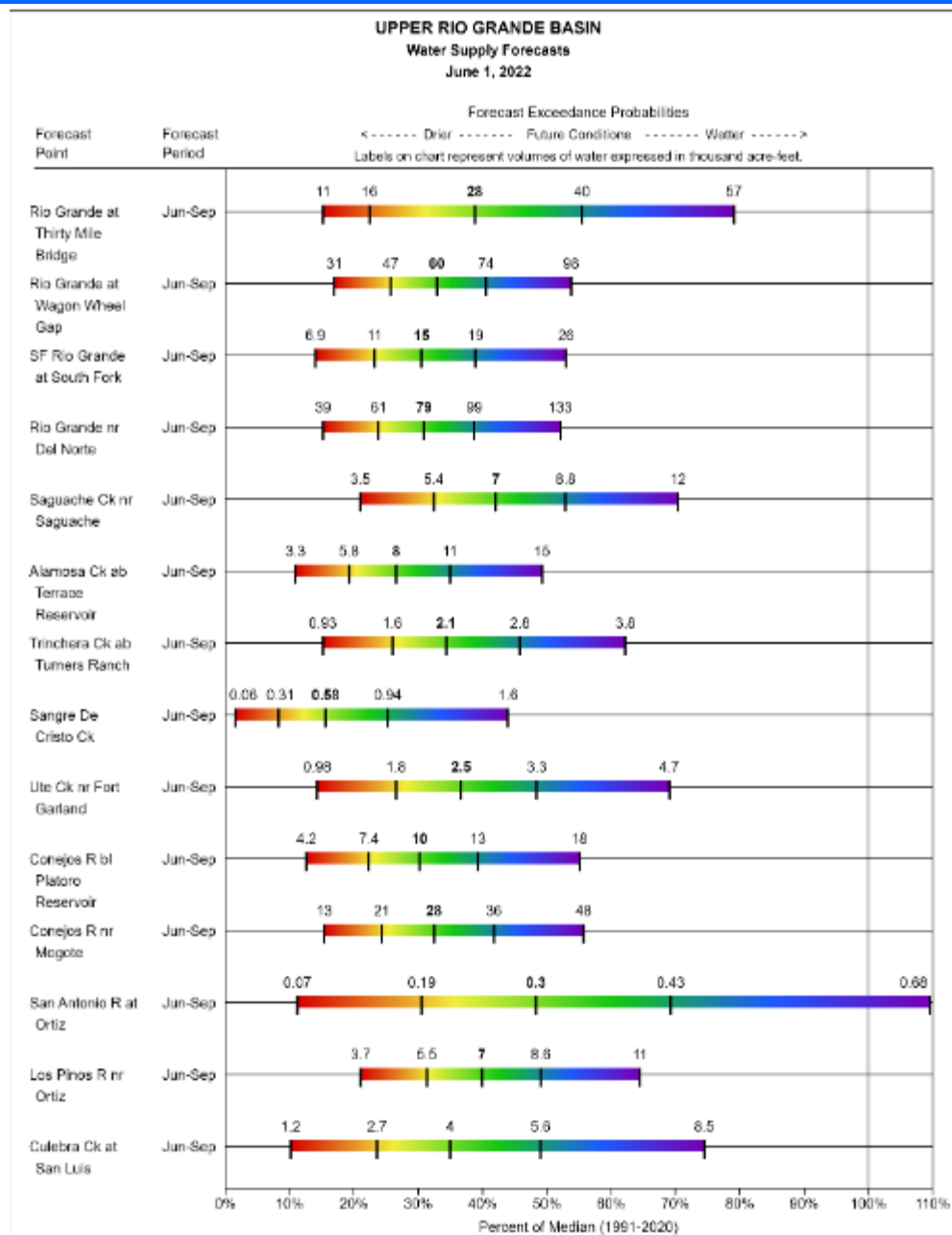
Colorado Snow Surveys





United States Department of Agriculture

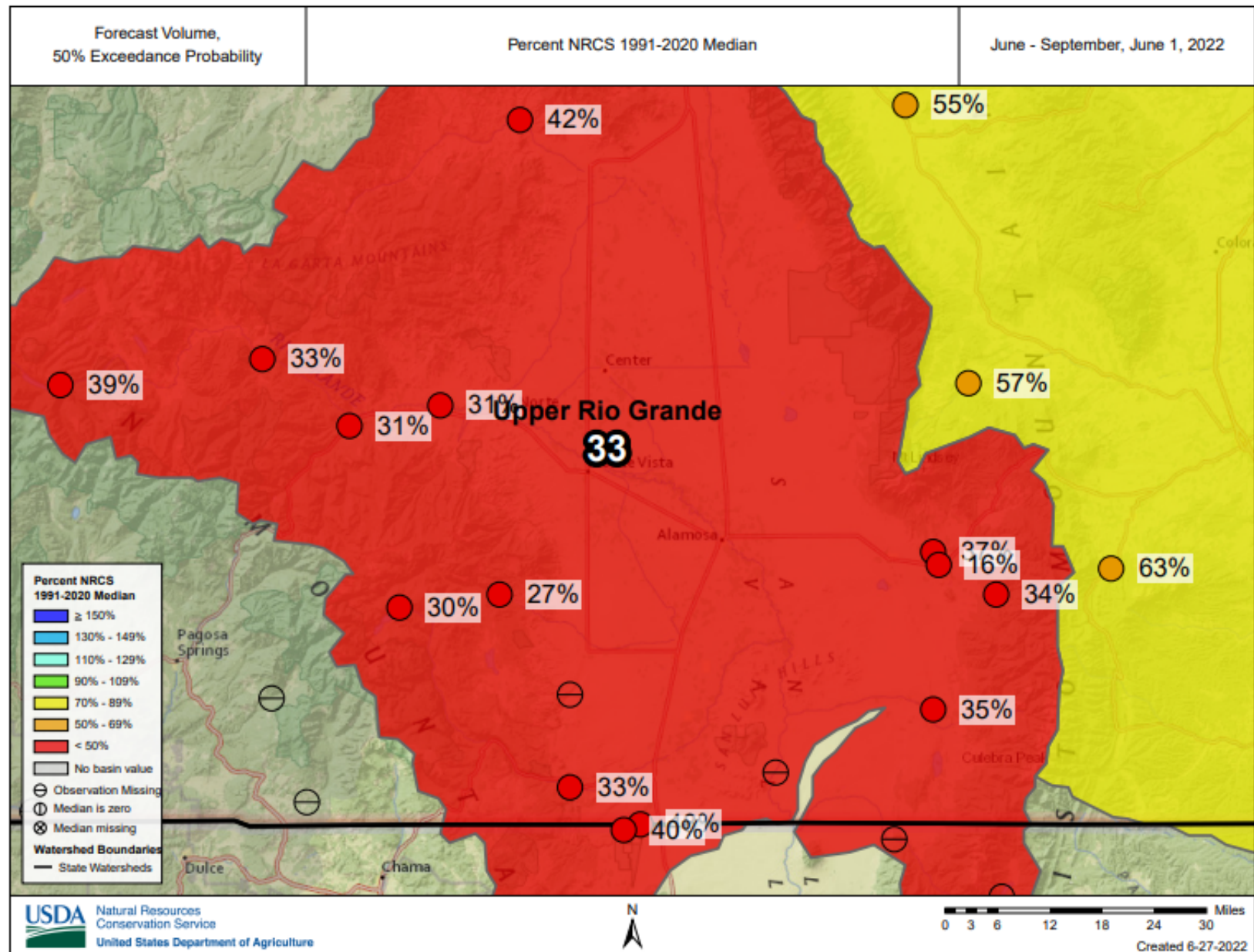
Colorado Snow Surveys





United States Department of Agriculture

Colorado Snow Surveys



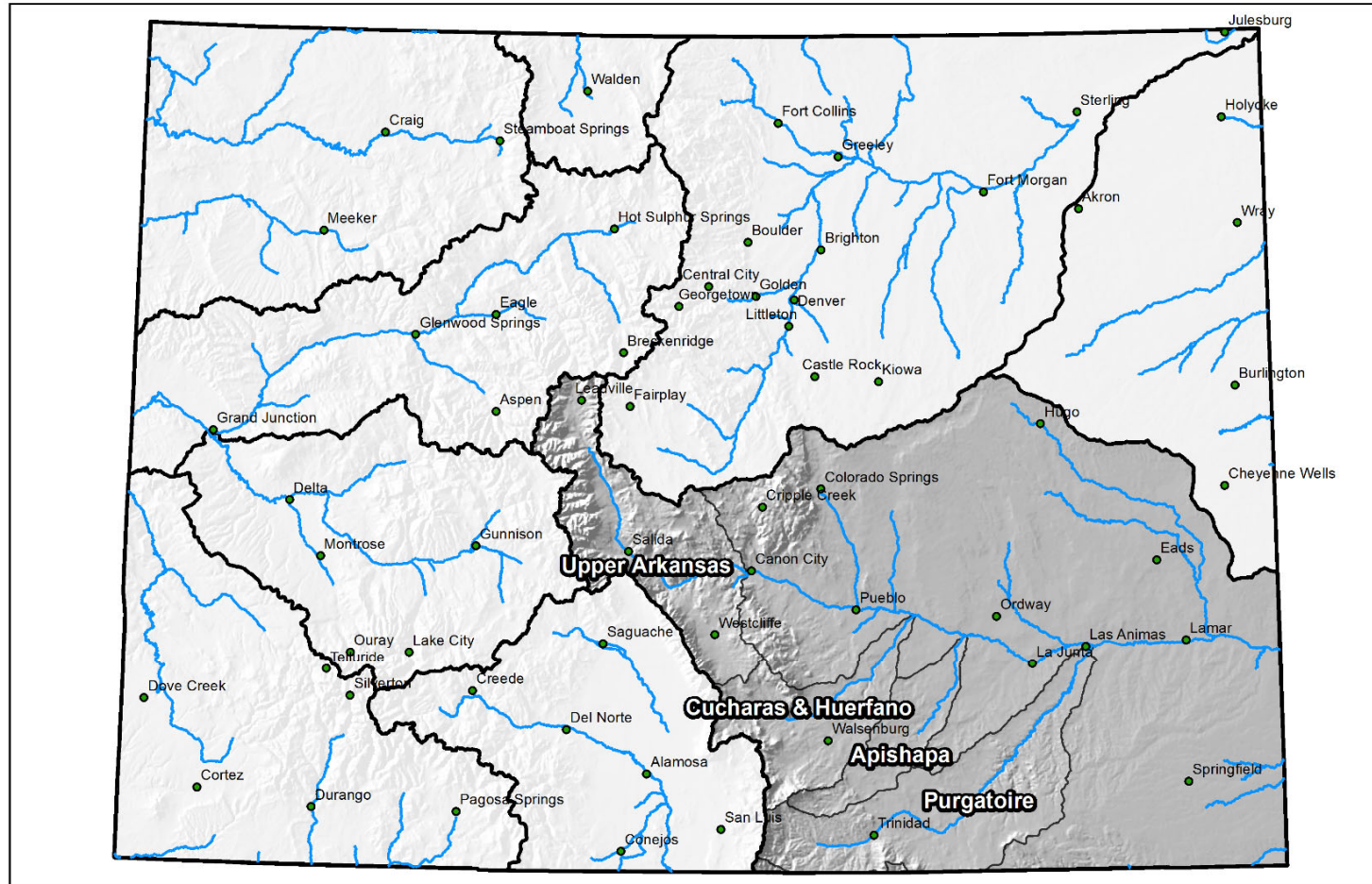


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Colorado Snow Surveys

Major Basin Summary

Arkansas River Basin



0 25 50 100 150 200 Miles



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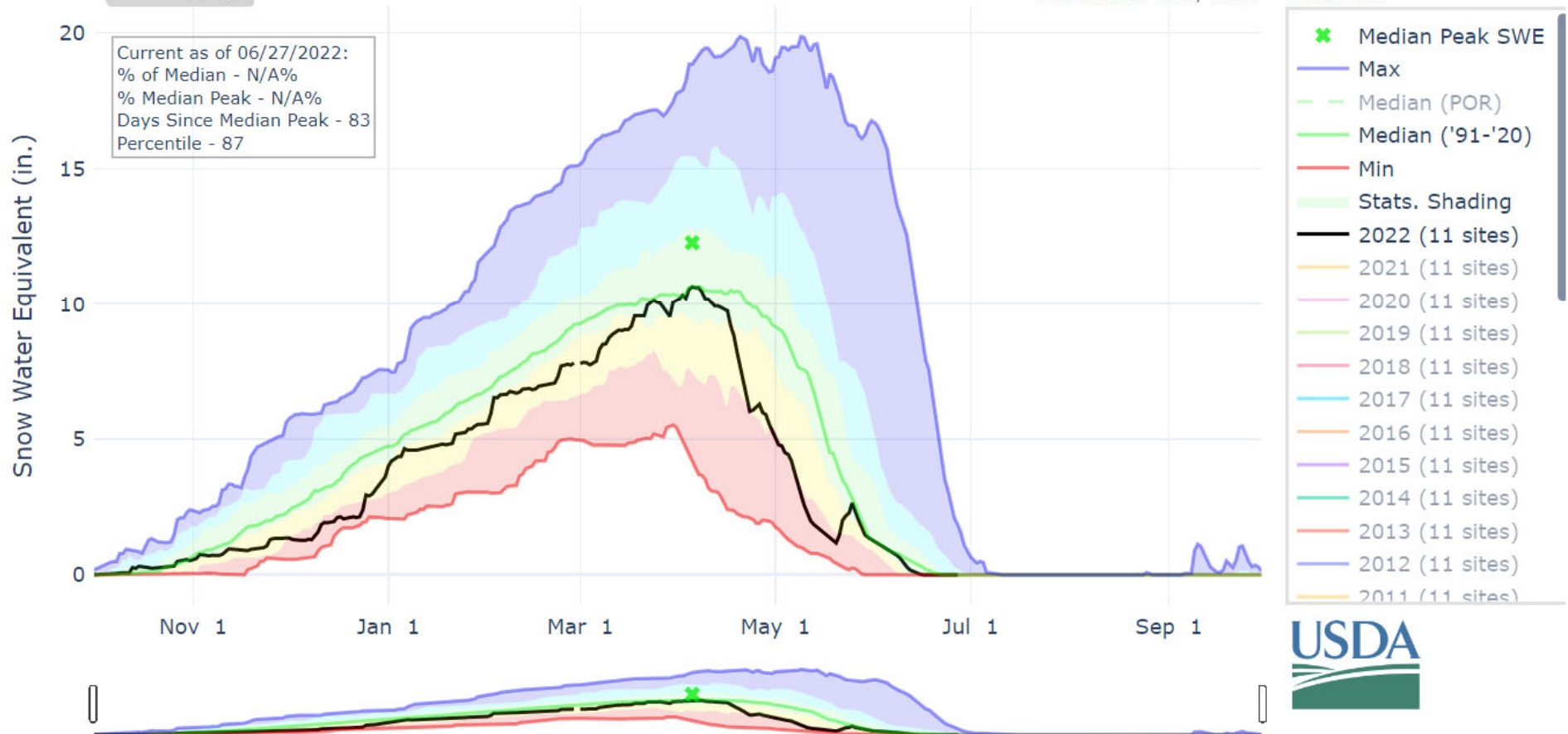
Colorado Snow Surveys

SNOW WATER EQUIVALENT IN ARKANSAS

Reset Range

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

[Station List](#)





United States Department of Agriculture

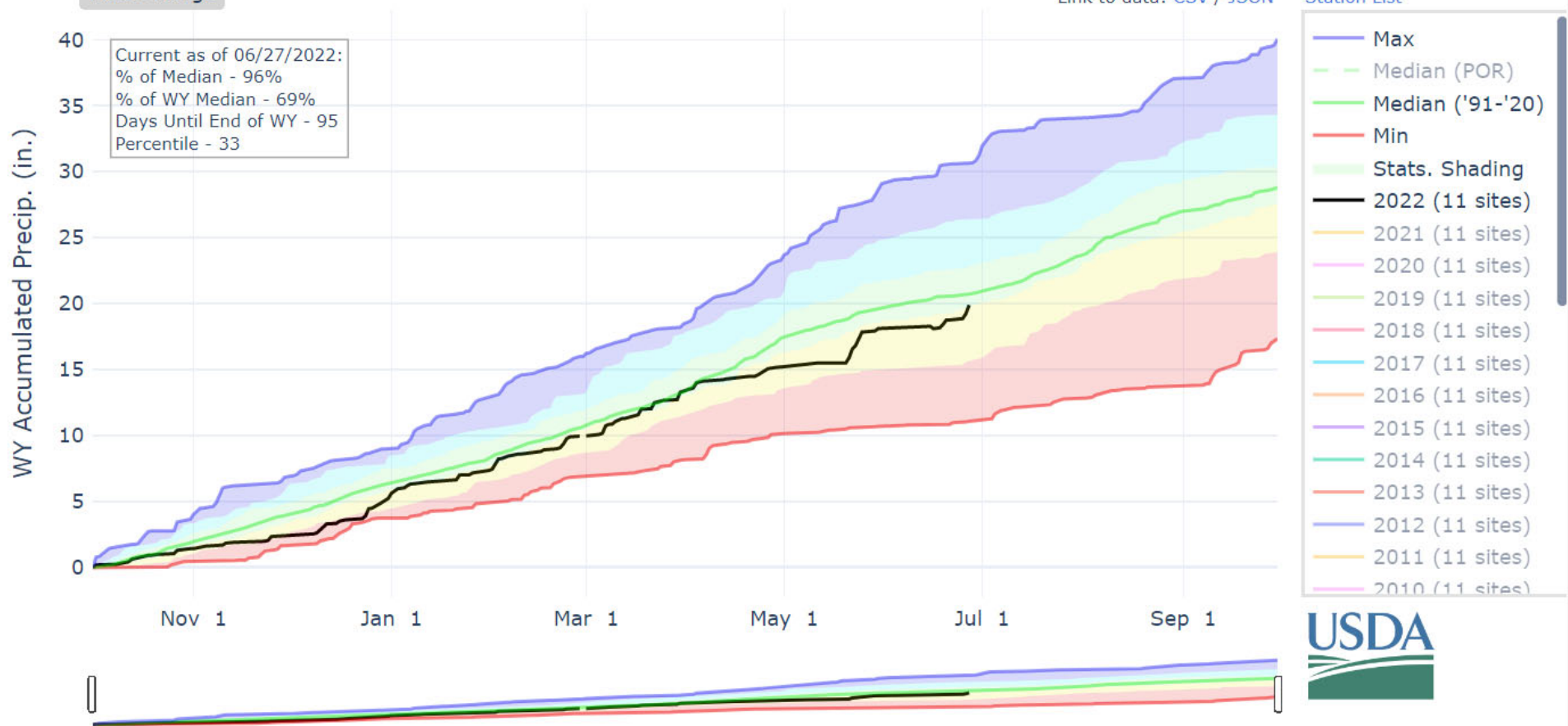
Colorado Snow Surveys

PRECIPITATION IN ARKANSAS

Reset Range

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

[Station List](#)

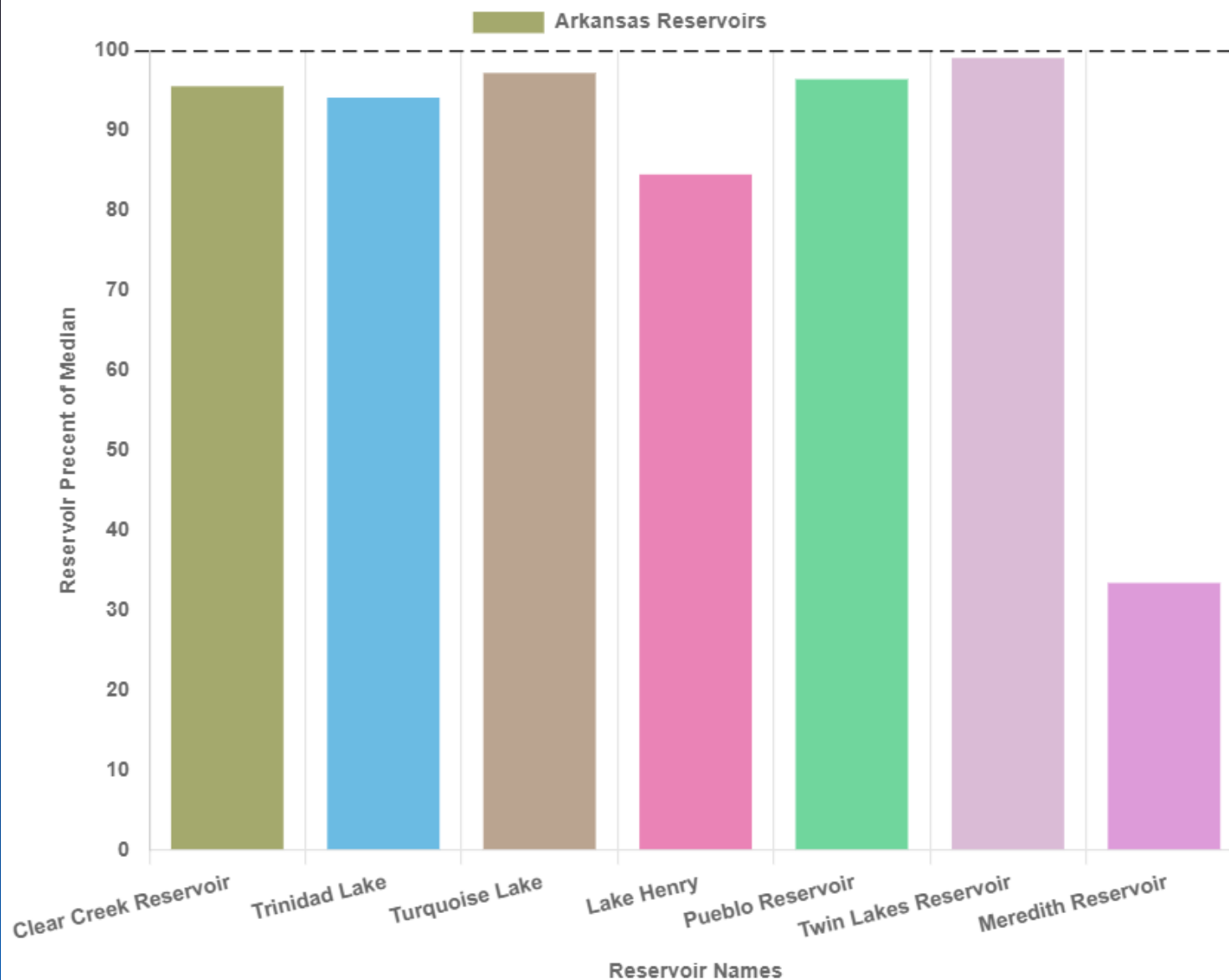




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Colorado Snow Surveys

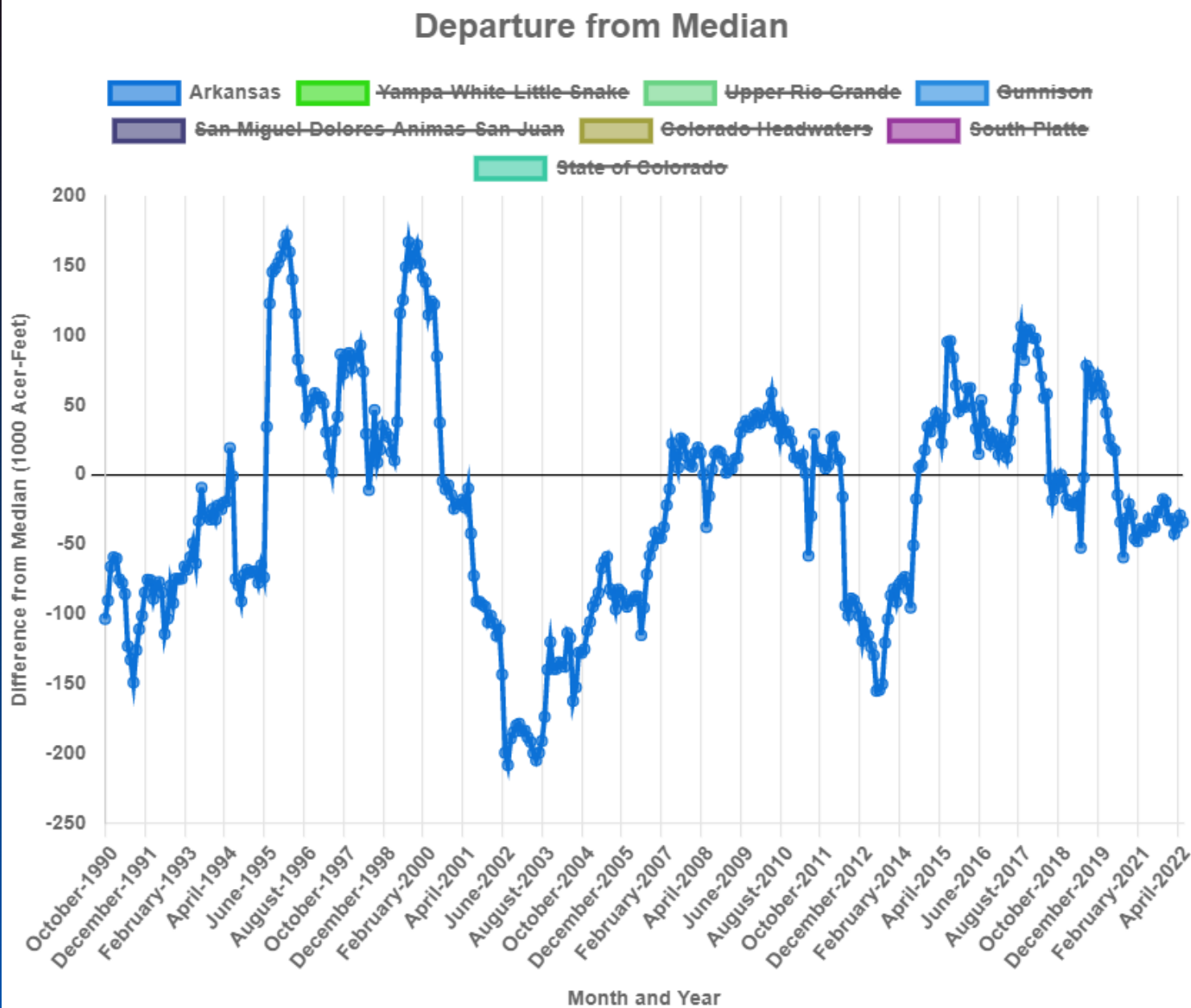
Reservoir Conditions for Arkansas on June 1st 2022





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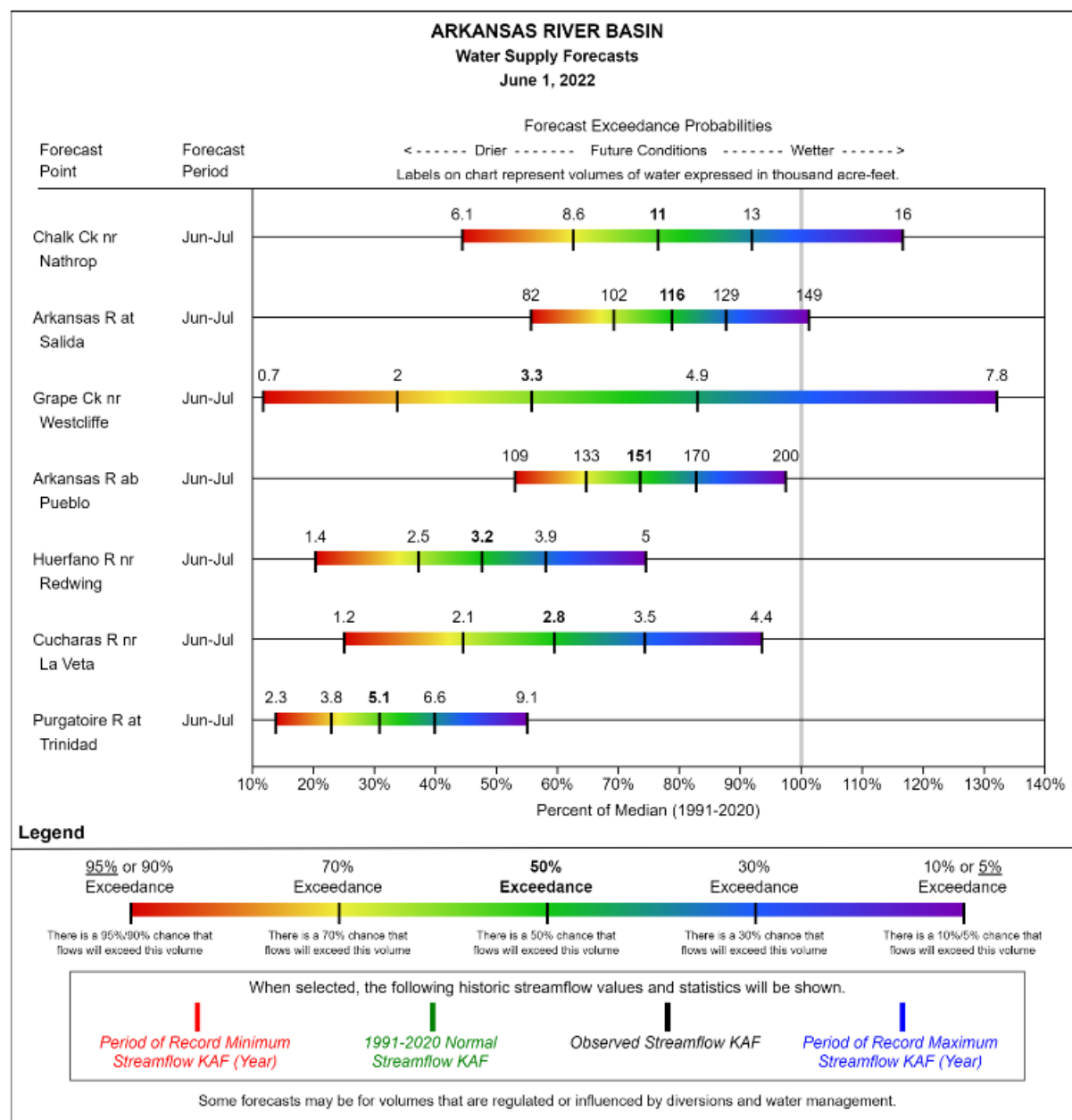
Colorado Snow Surveys





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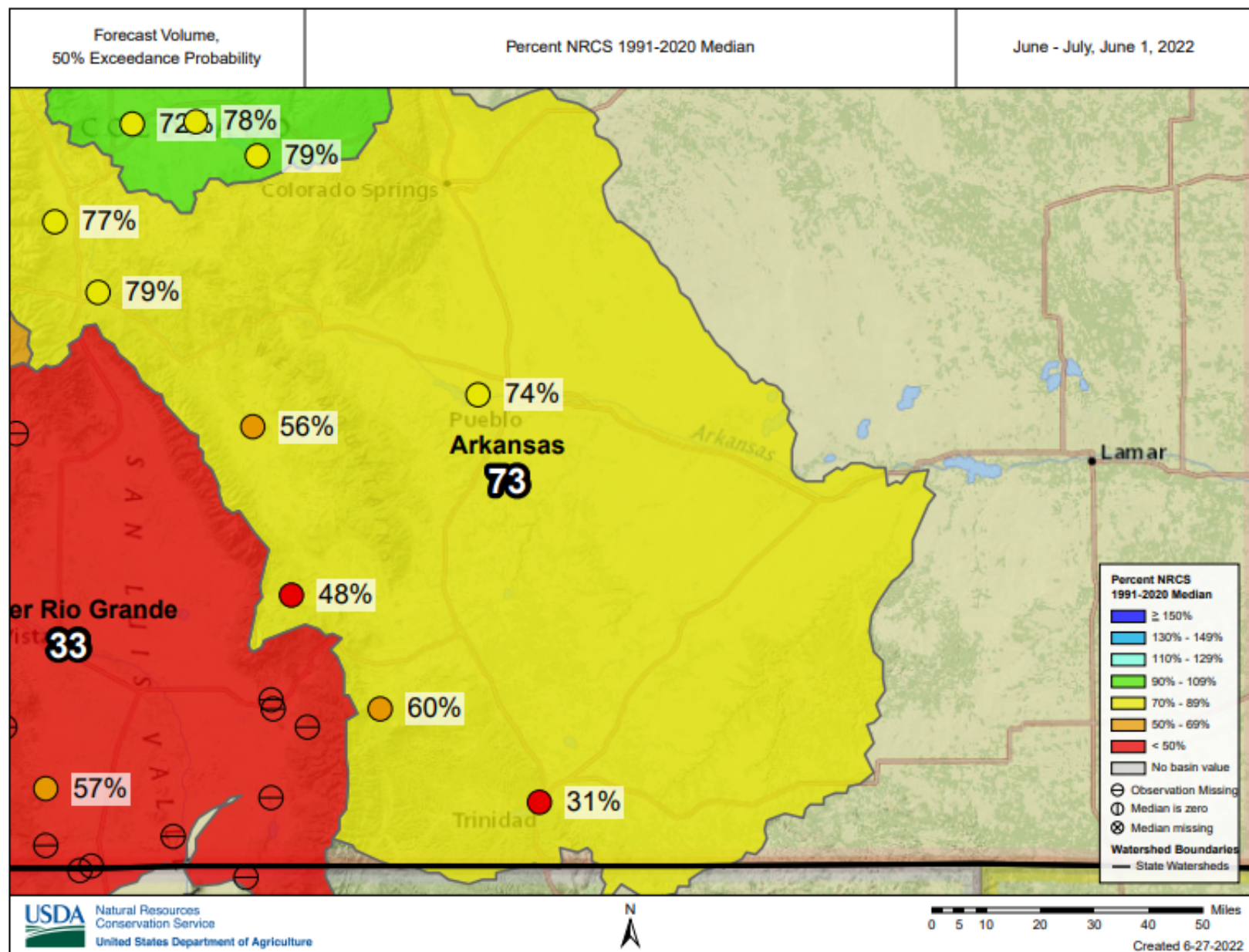
Colorado Snow Surveys





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Colorado Snow Surveys





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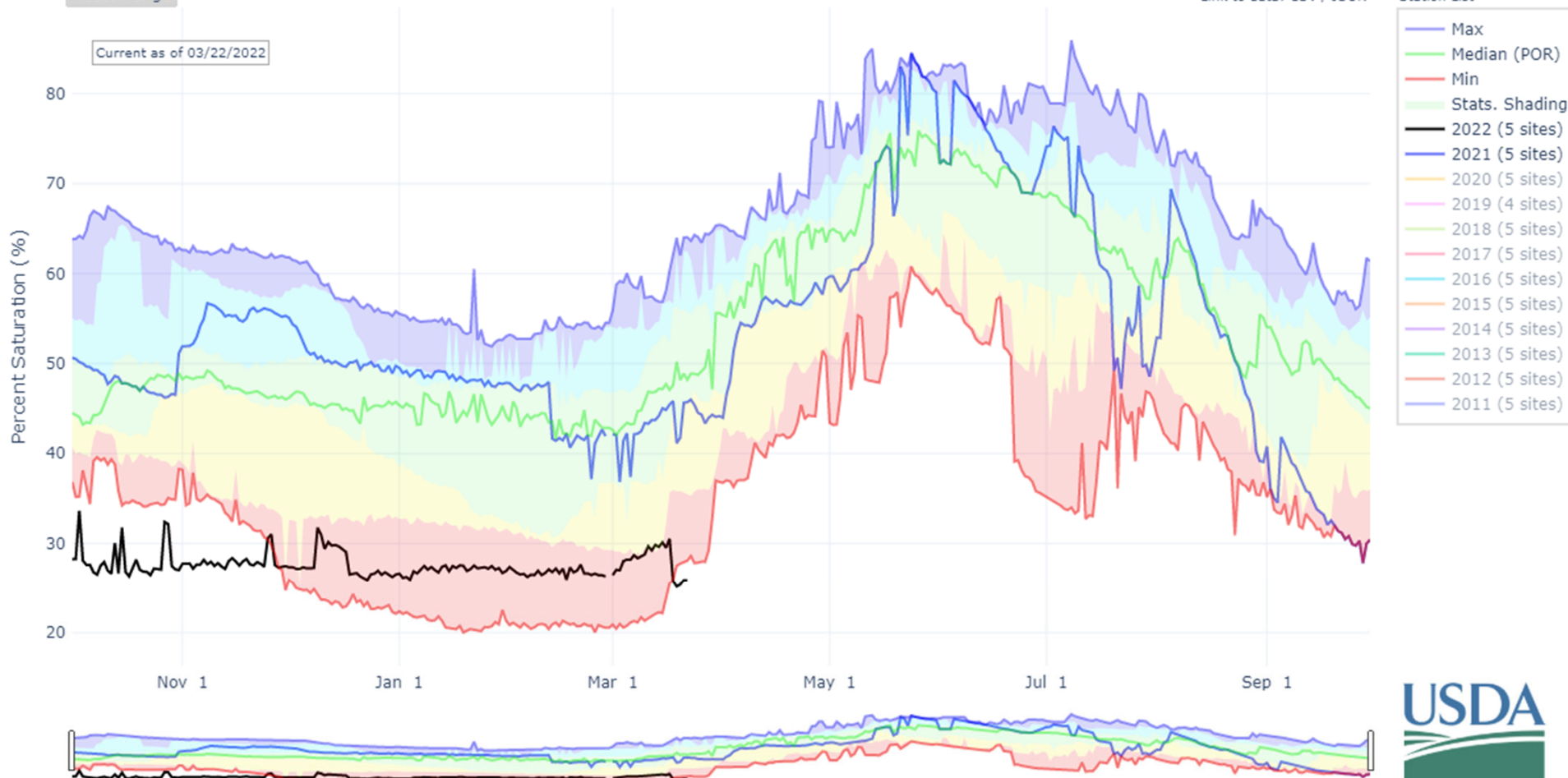
Colorado Snow Surveys

DEPTH AVERAGED SOIL SATURATION IN ARKANSAS

Reset Range

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

Station List



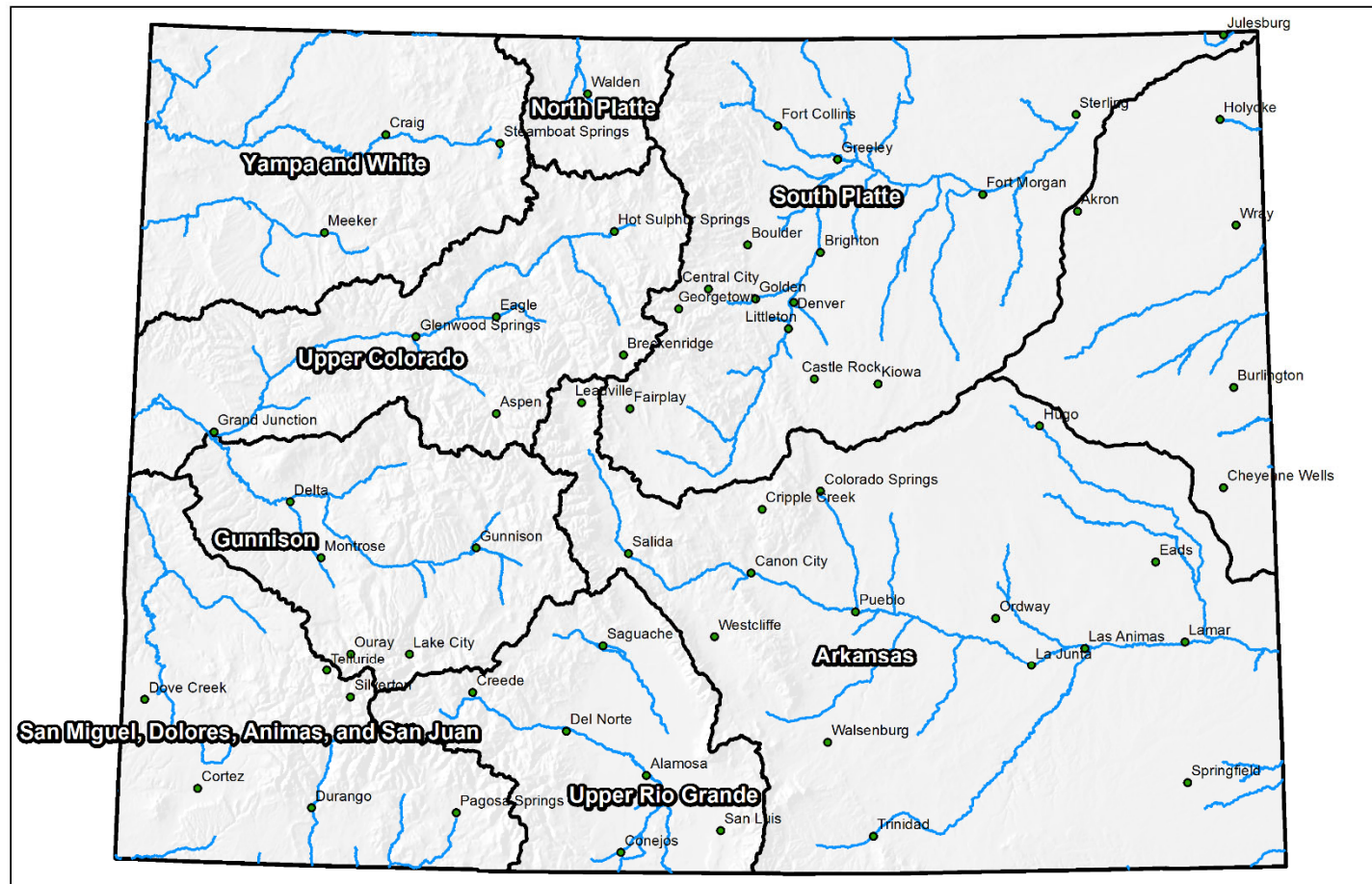


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Colorado Snow Surveys

Colorado Statewide Summary

Colorado Major Basins



0 25 50 100 150 200 Miles



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Natural Resources Conservation Service



United States Department of Agriculture

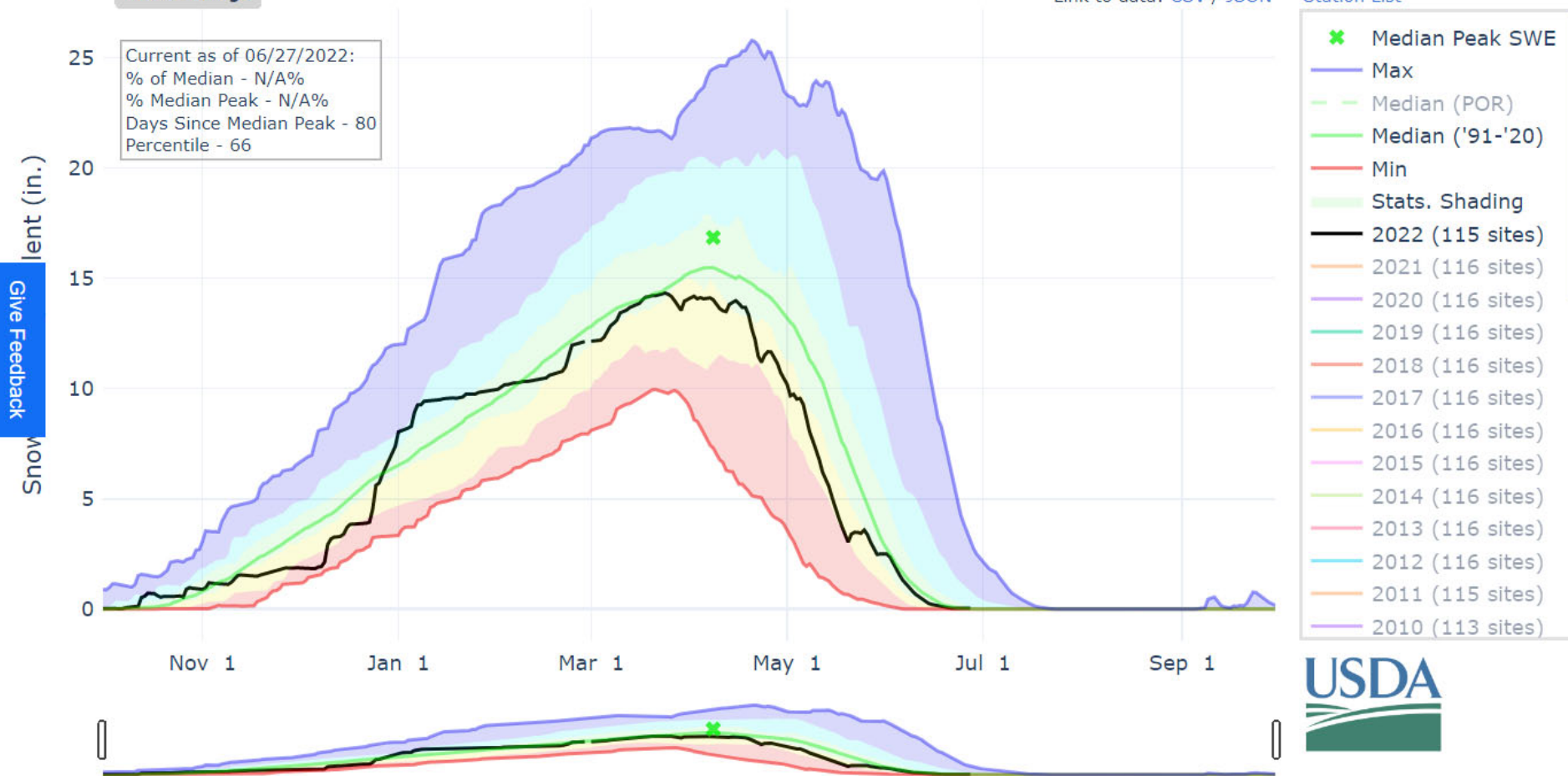
Colorado Snow Surveys

SNOW WATER EQUIVALENT IN STATE OF COLORADO

Reset Range

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

[Station List](#)

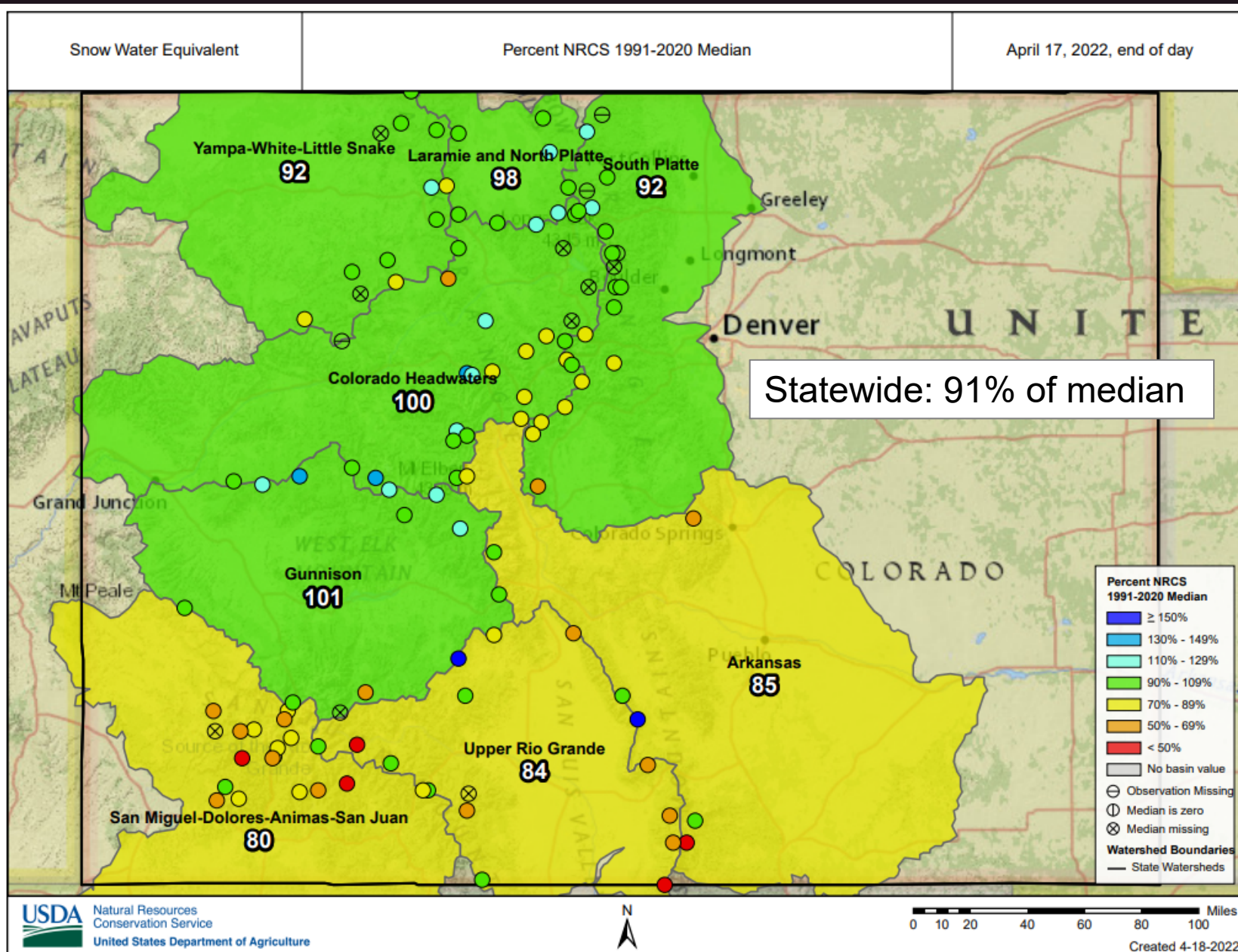




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Colorado Snow Surveys

Snowpack





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Colorado Snow Surveys

PRECIPITATION IN STATE OF COLORADO

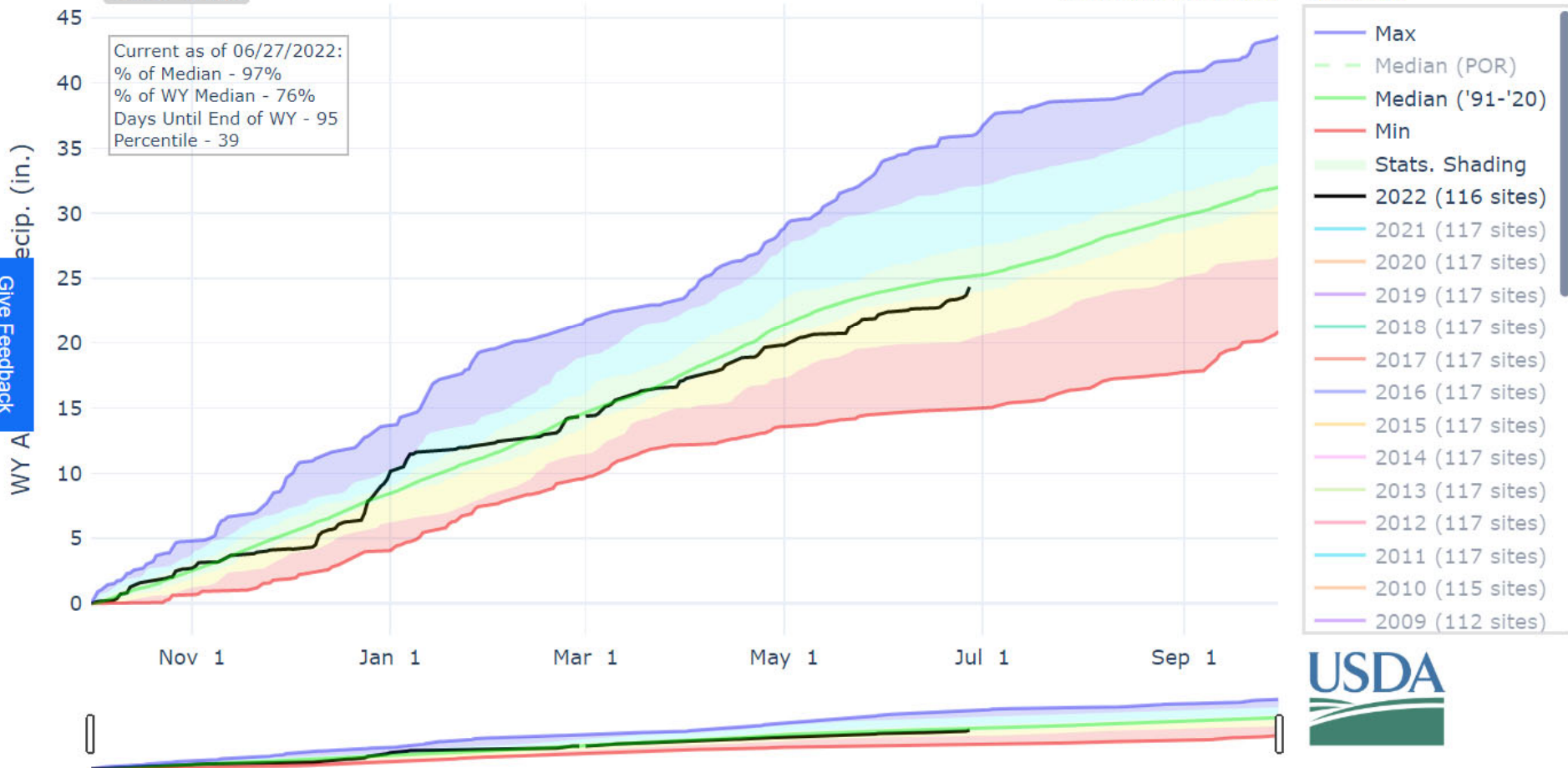
Reset Range

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

[Station List](#)

Current as of 06/27/2022:
% of Median - 97%
% of WY Median - 76%
Days Until End of WY - 95
Percentile - 39

Give Feedback

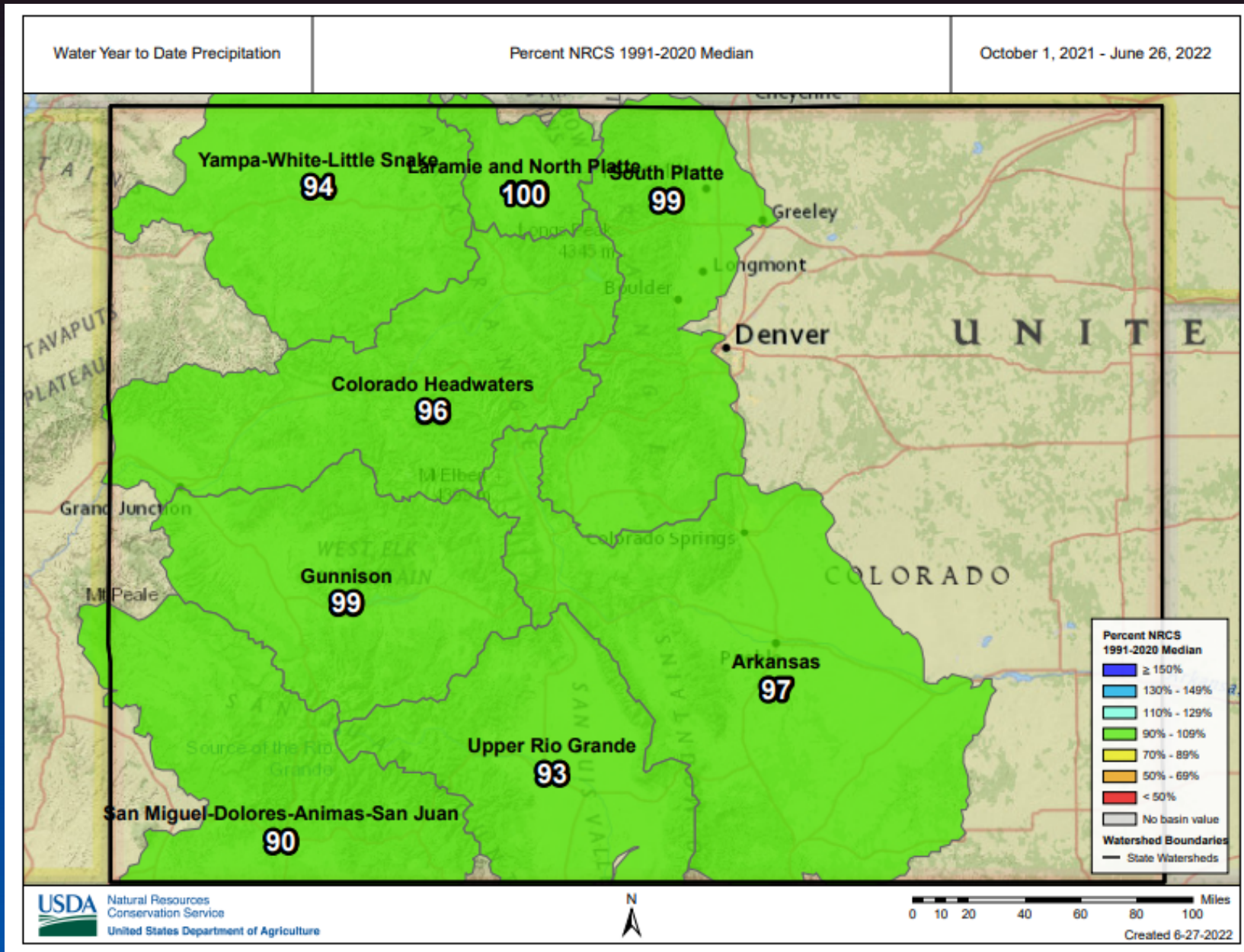




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WY Precipitation

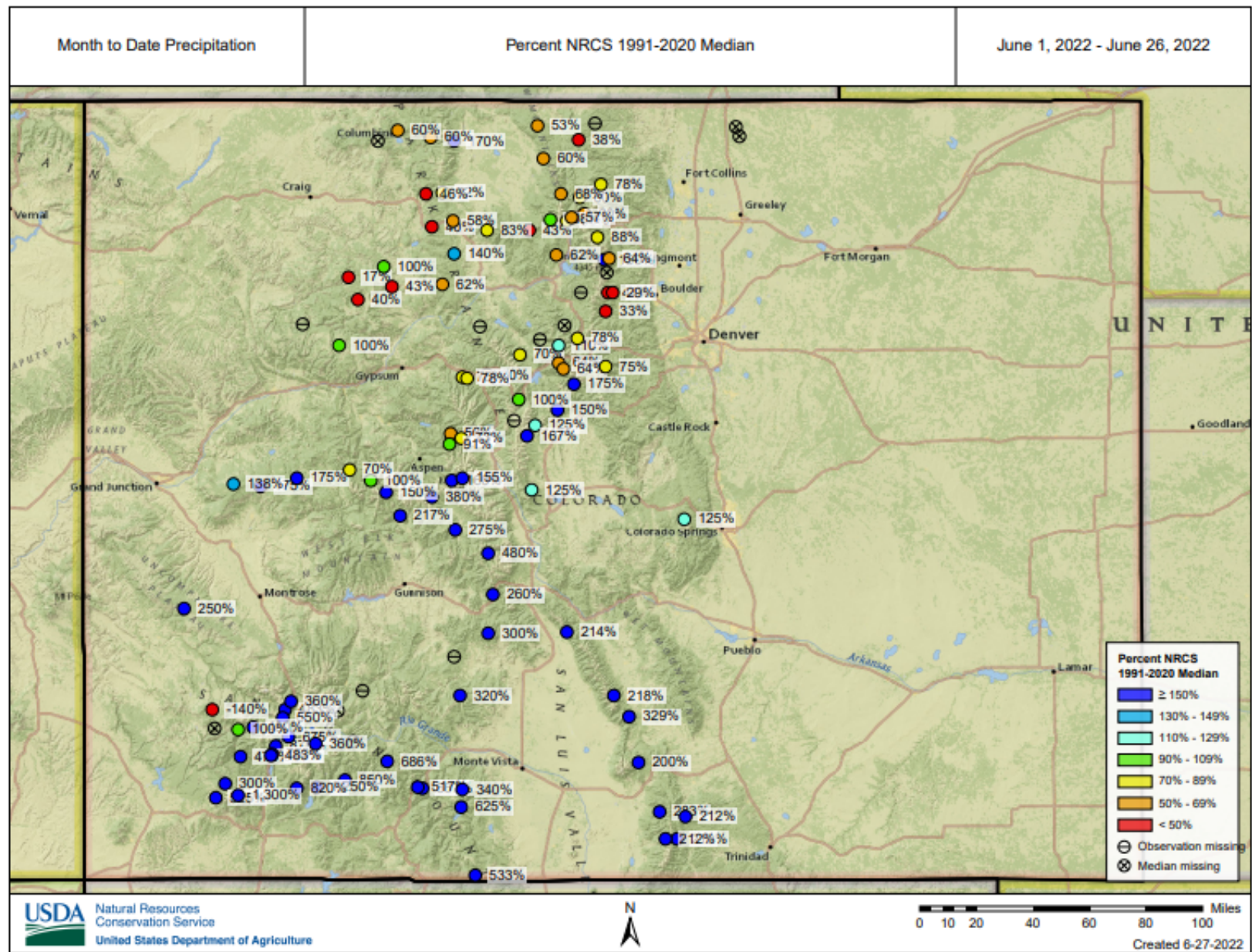




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Colorado Snow Surveys

MTD Precipitation

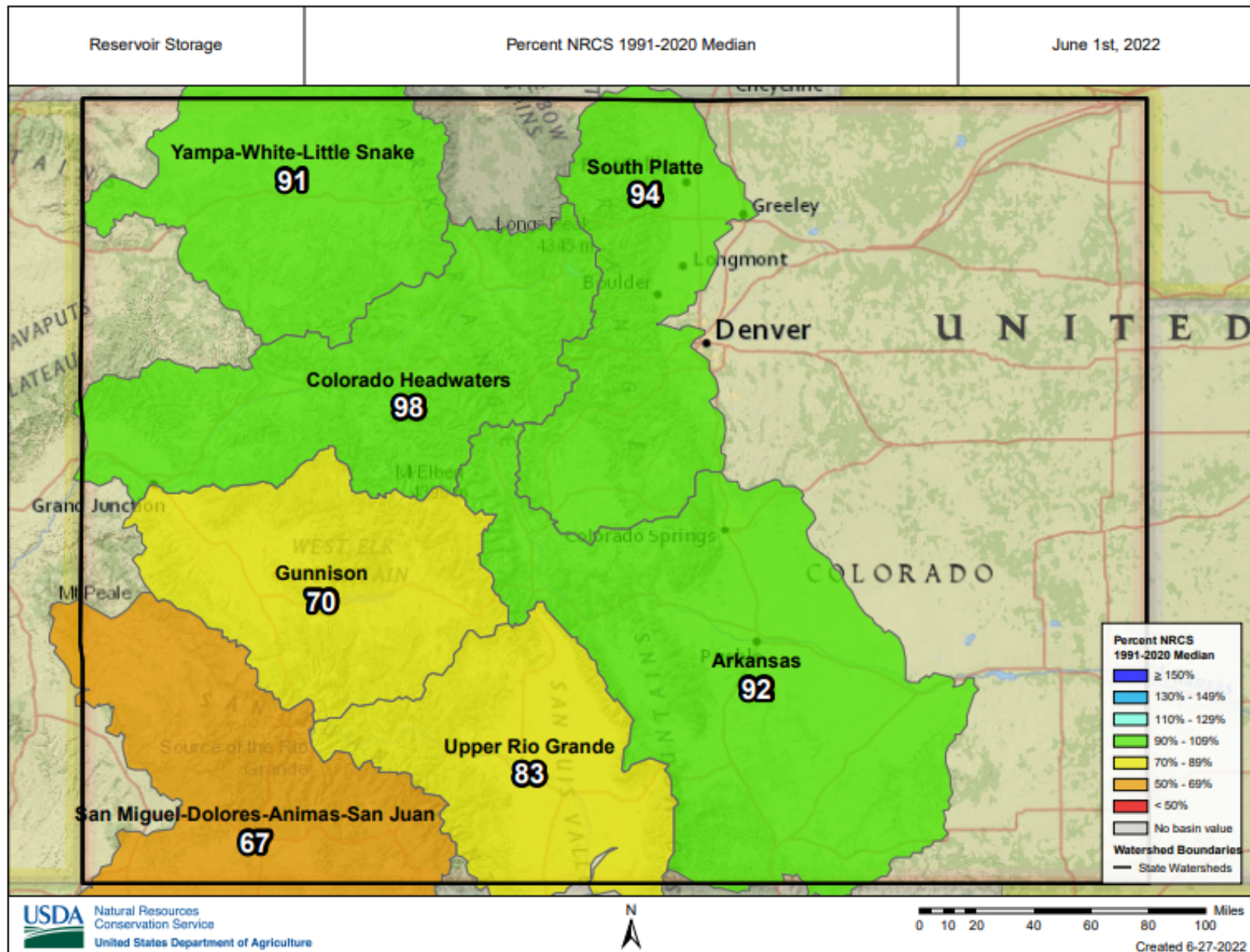




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Colorado Snow Surveys

Reservoir Storage

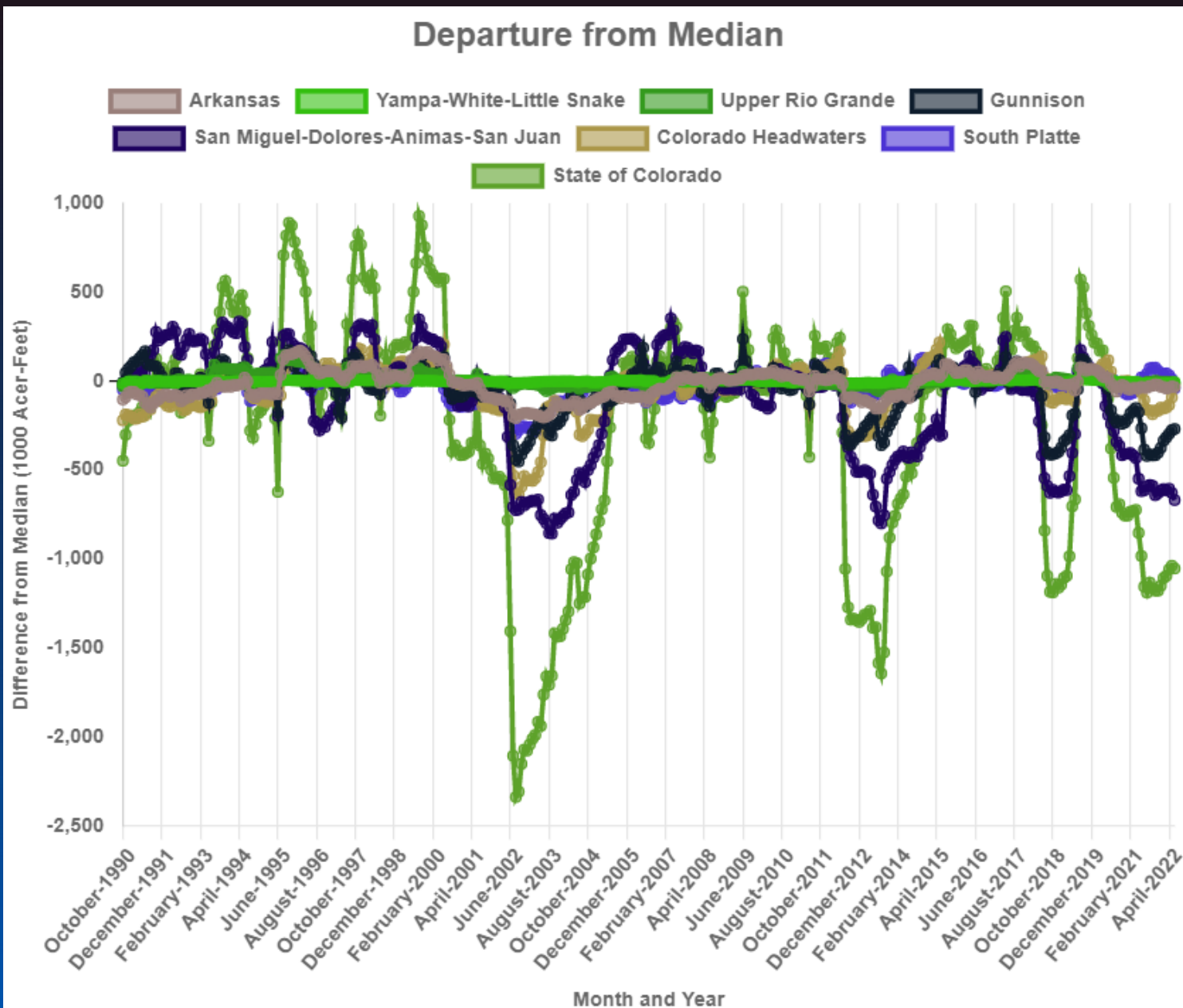




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Colorado Snow Surveys

Reservoir Storage

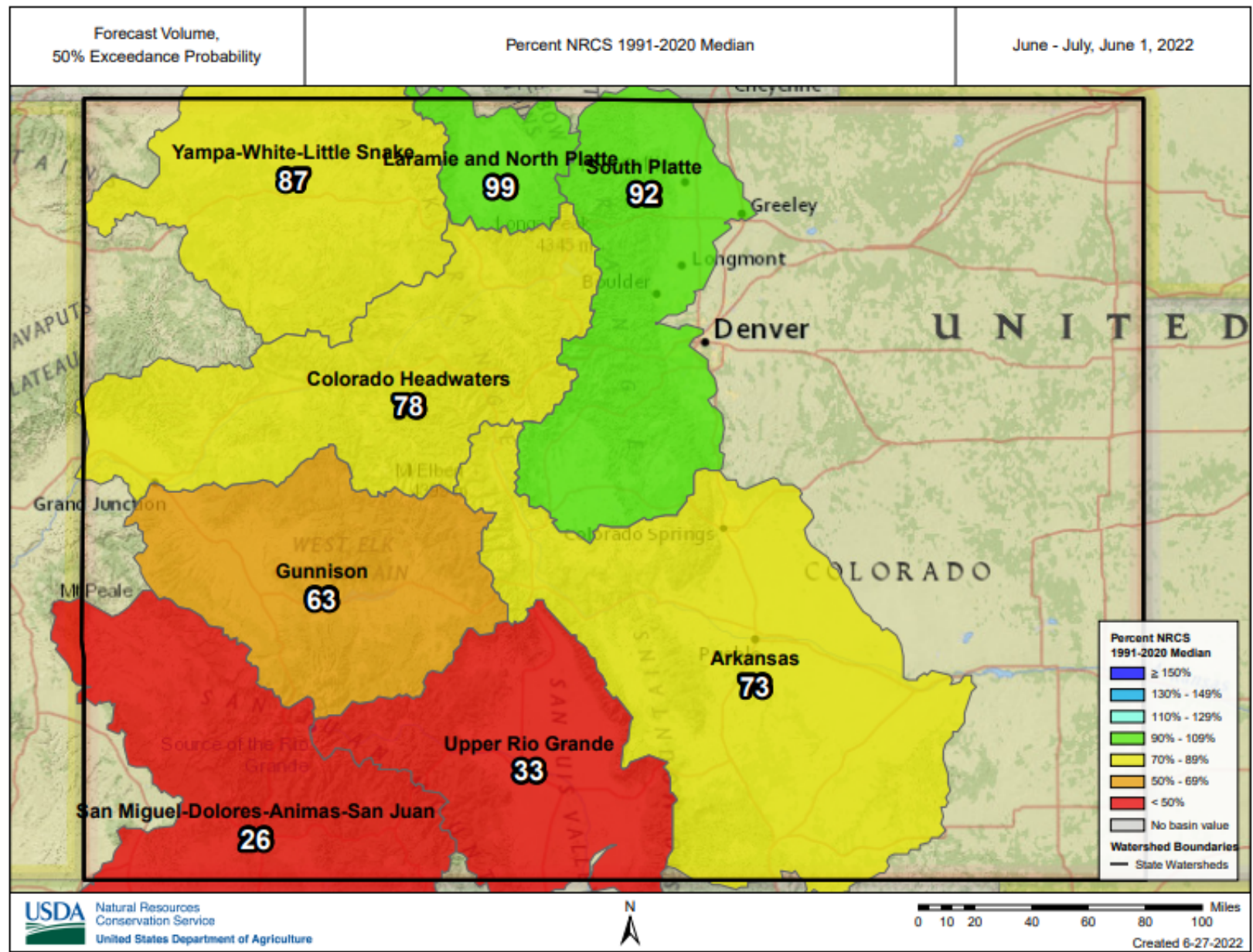




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Colorado Snow Surveys

Streamflow Forecasts





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Colorado Snow Surveys

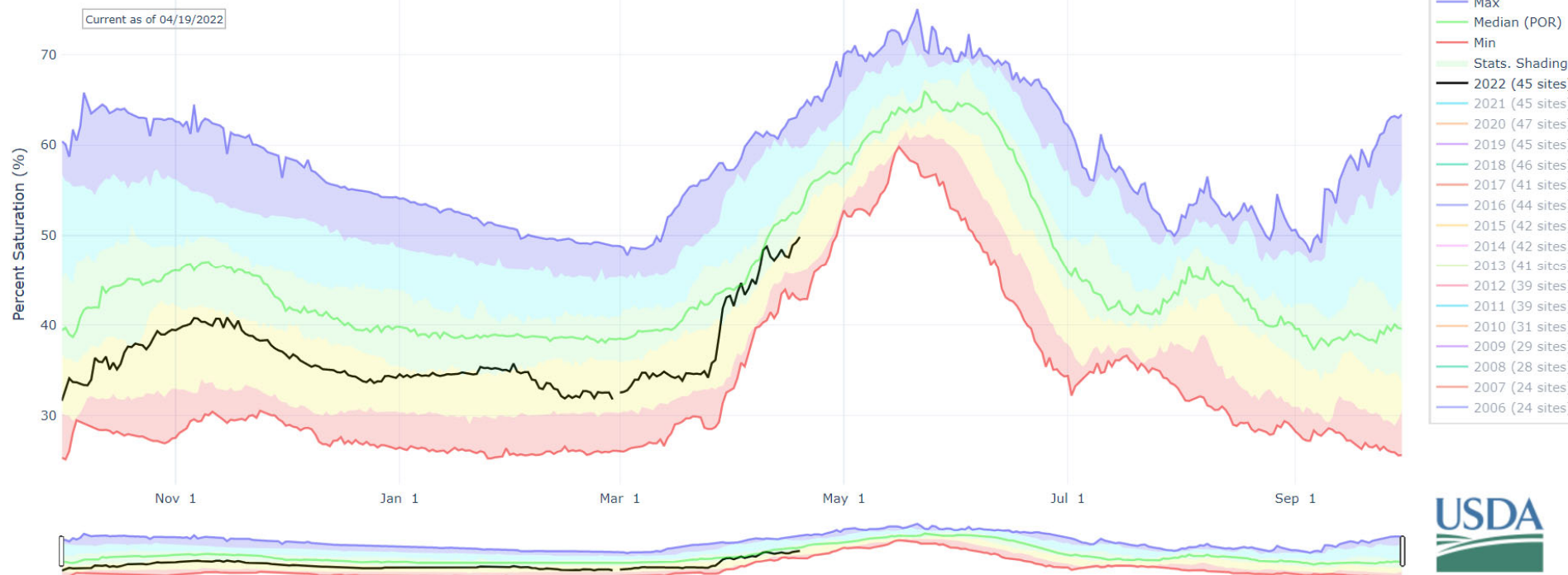
SNOTEL Soil Moisture

DEPTH AVERAGED SOIL SATURATION IN
STATE OF COLORADO

Reset Range

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

Station List



Statistical shading breaks at 10th, 30th, 50th, 70th, and 90th Percentiles
For more information visit: [30-Year Hydroclimatic Normals](#)

Feedback

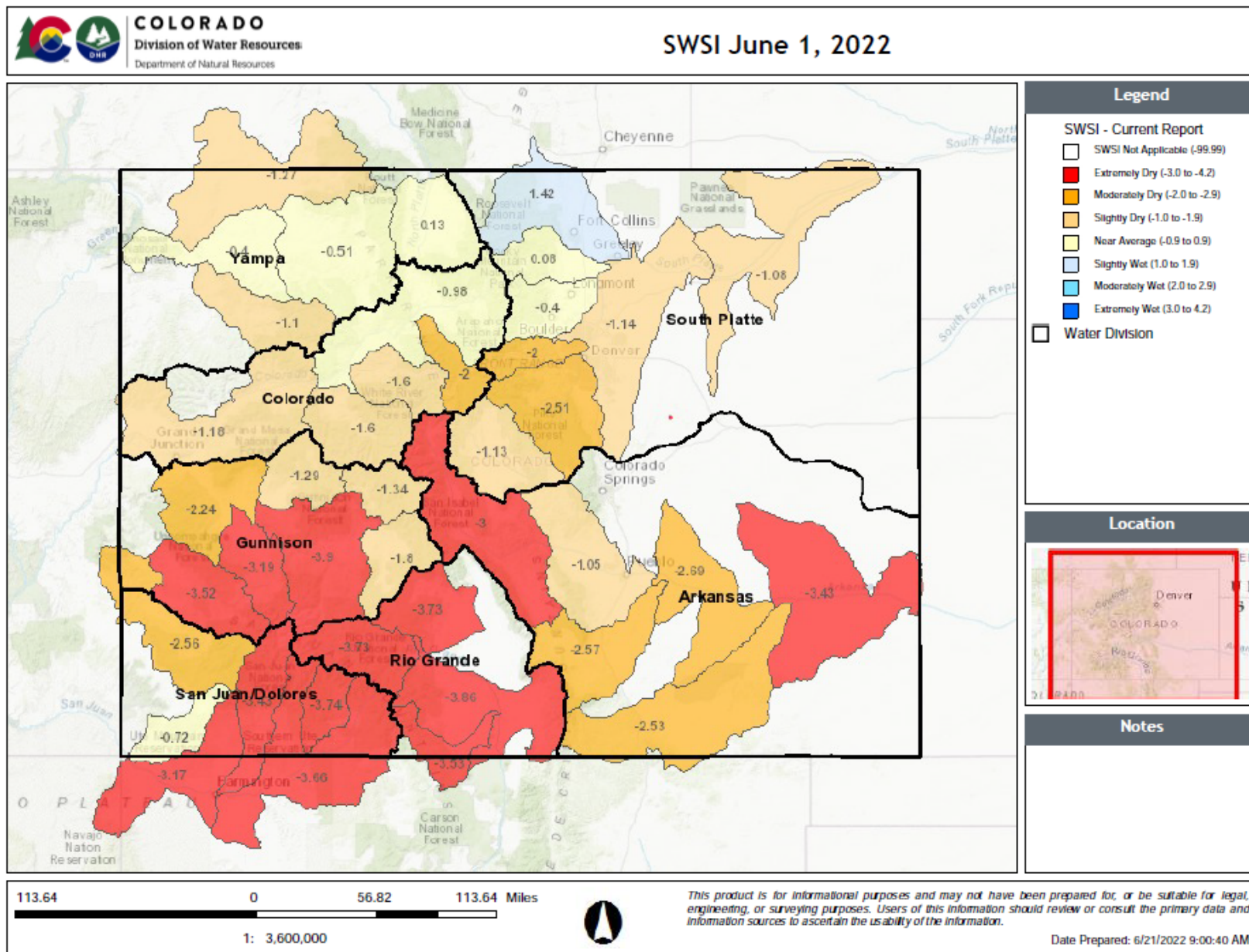
*** Provisional Data



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Colorado Snow Surveys

June 1, 2020 SWSI





Summary

- Snowpack measured at SNOTEL sites in Northern Colorado melted out with near normal timing following additional snow accumulations in late May.
- Warm temperatures, dust on snow, windy conditions, and lack of new snow accumulations led to unprecedented melt rates and much earlier than normal melt-out of the snowpack.
- June precipitation has strongly favored the mountains of Southern Colorado providing much needed relief after several months of dry conditions.
 - This precipitation has also been observed to notably improve soil moisture conditions in these basins where it is needed most.
- Currently no major basins in the state are holding above normal reservoir storage volumes.
 - With record low levels in Lake Powell and Lake Mead as well as low inflows this year the Colorado River basin is facing the need for reductions in water consumption over the coming years.
- Streamflow forecasts for the June-July period show substantial differences between Northern and Southern Colorado driven largely by spring weather and snowpack dynamics.
- Streamflow forecasts for much of the state are expected to be below normal for the spring and summer.



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Colorado Snow Surveys

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