



United States Department of Agriculture

Colorado Snow Surveys

Water Availability Task Force Meeting

February 16th, 2021

NRCS Snow Survey and Water Supply Forecasting Program

Brian Domonkos

Hydrologist

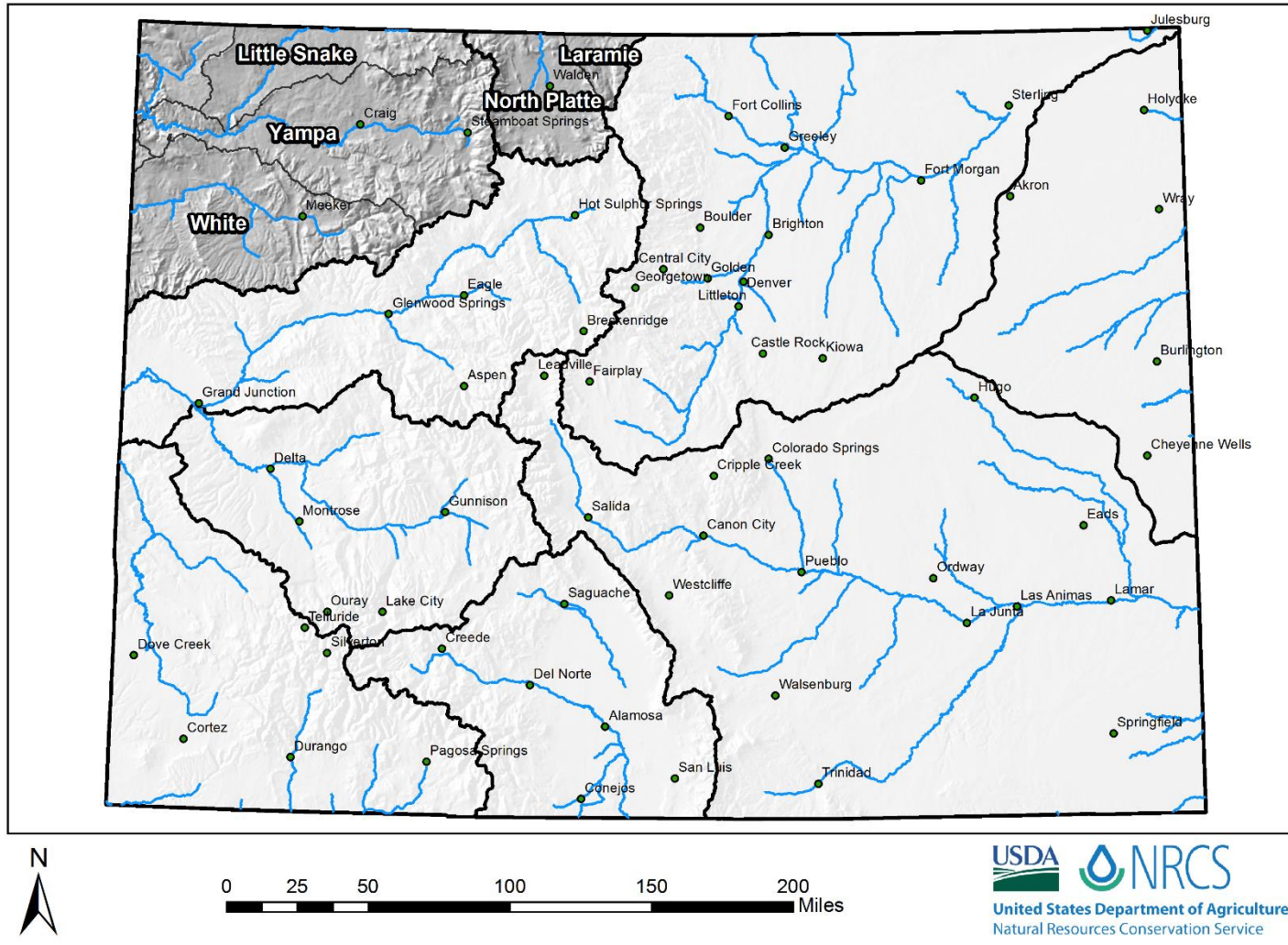
Asst. Snow Survey Supervisor

720-544-2852

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

Major Basin Summary

Yampa, White, and North Platte River Basins





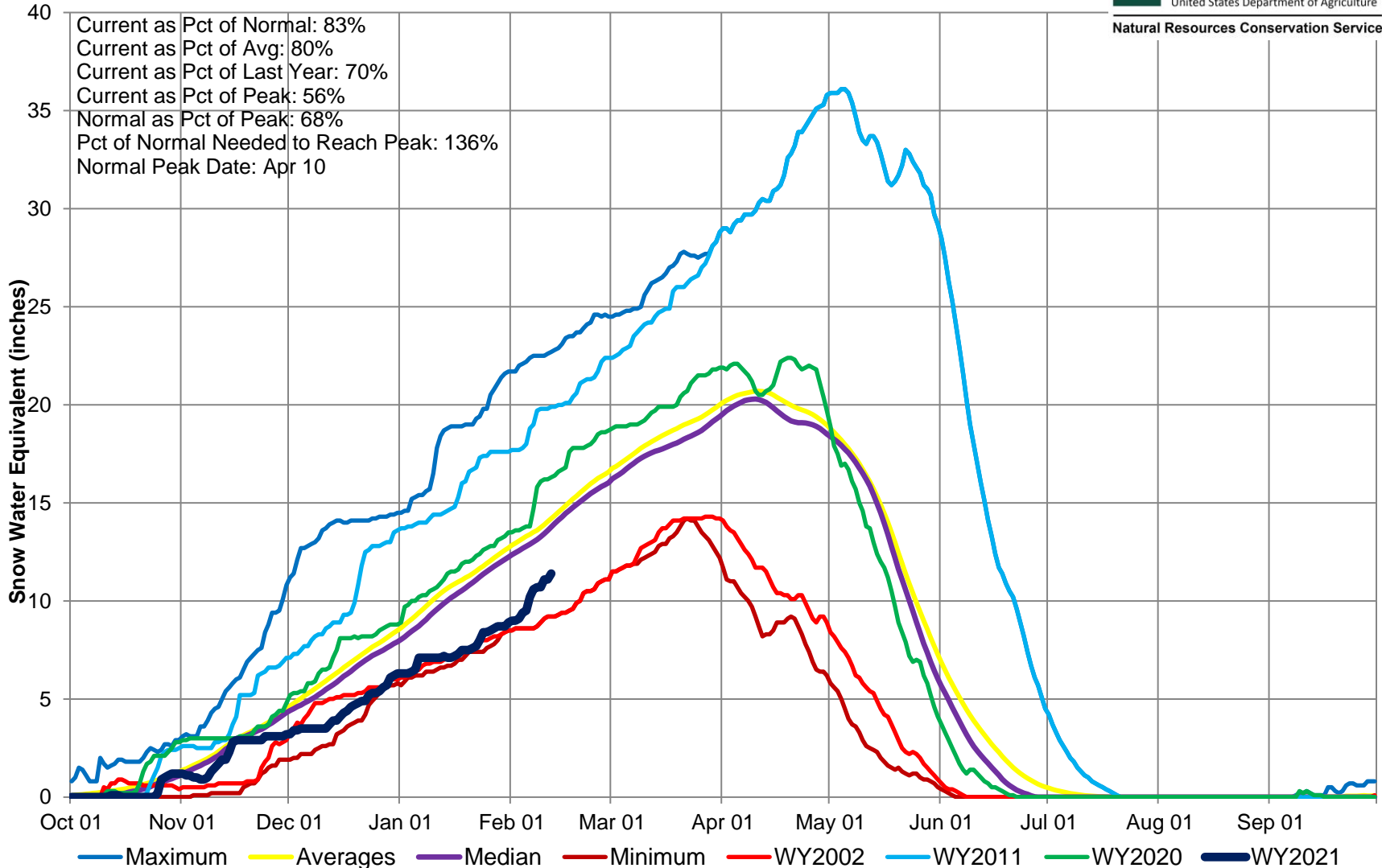
Yampa, White and North Platte River Basins High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Feb 12, 2021

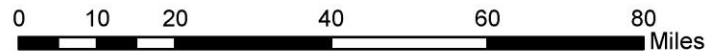
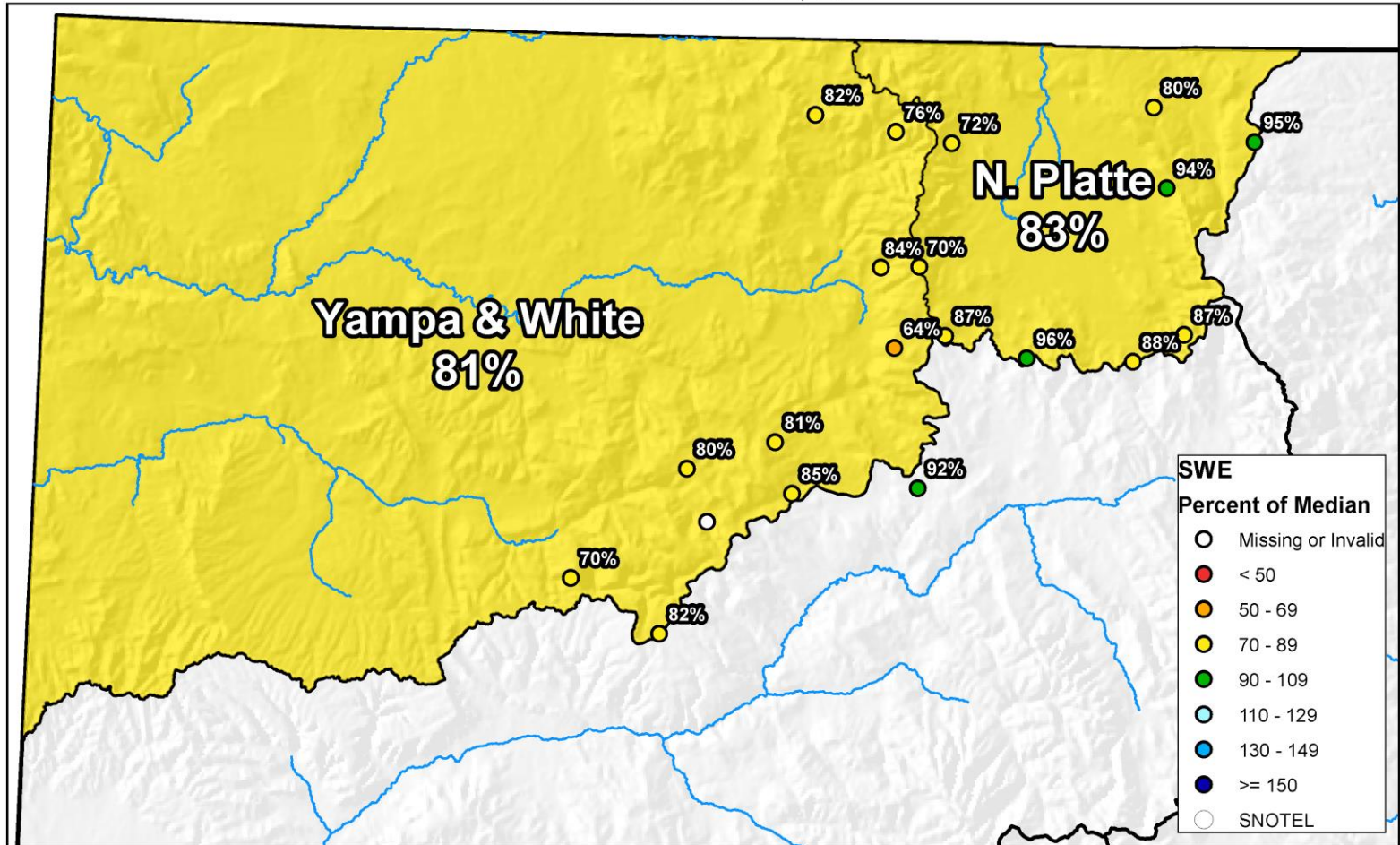


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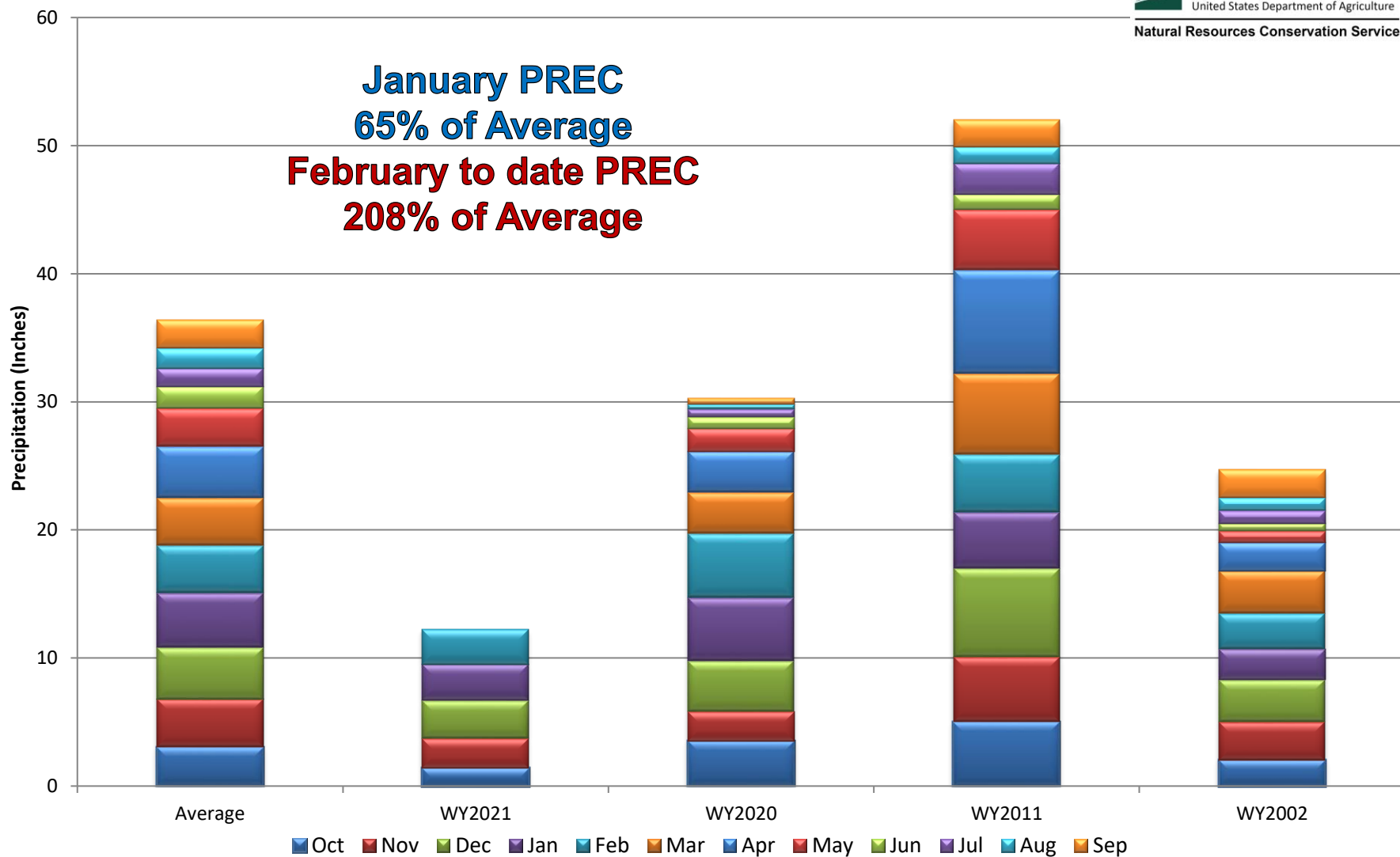


Yampa, White, and North Platte River Basins Snow Water Equivalent (SWE) Summary Current as of Feb 12, 2021

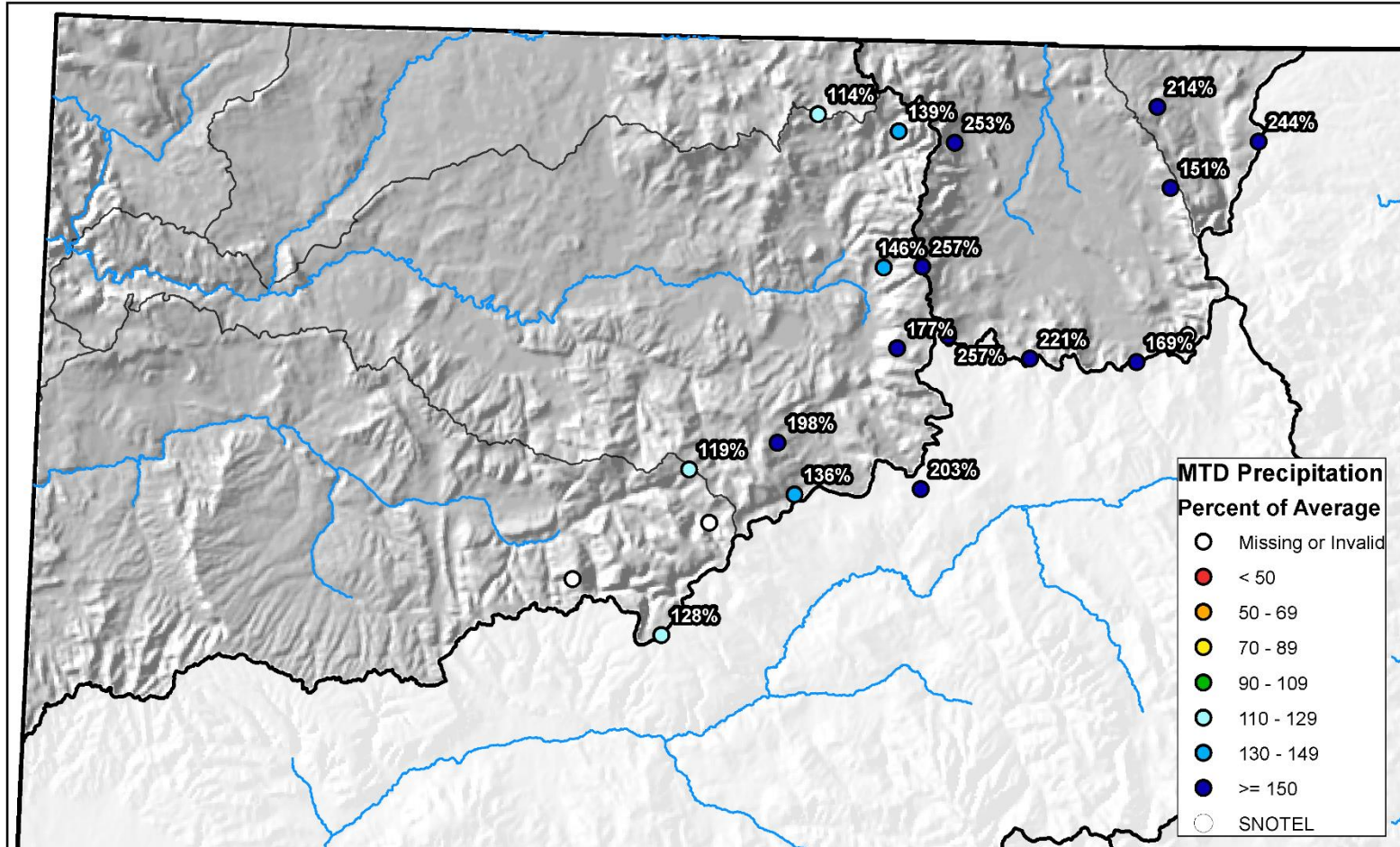


Yampa and White River Basins High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Feb 12, 2021



Yampa, White, and North Platte River Basins Month to Date Precipitation Summary Current as of Feb 12, 2021

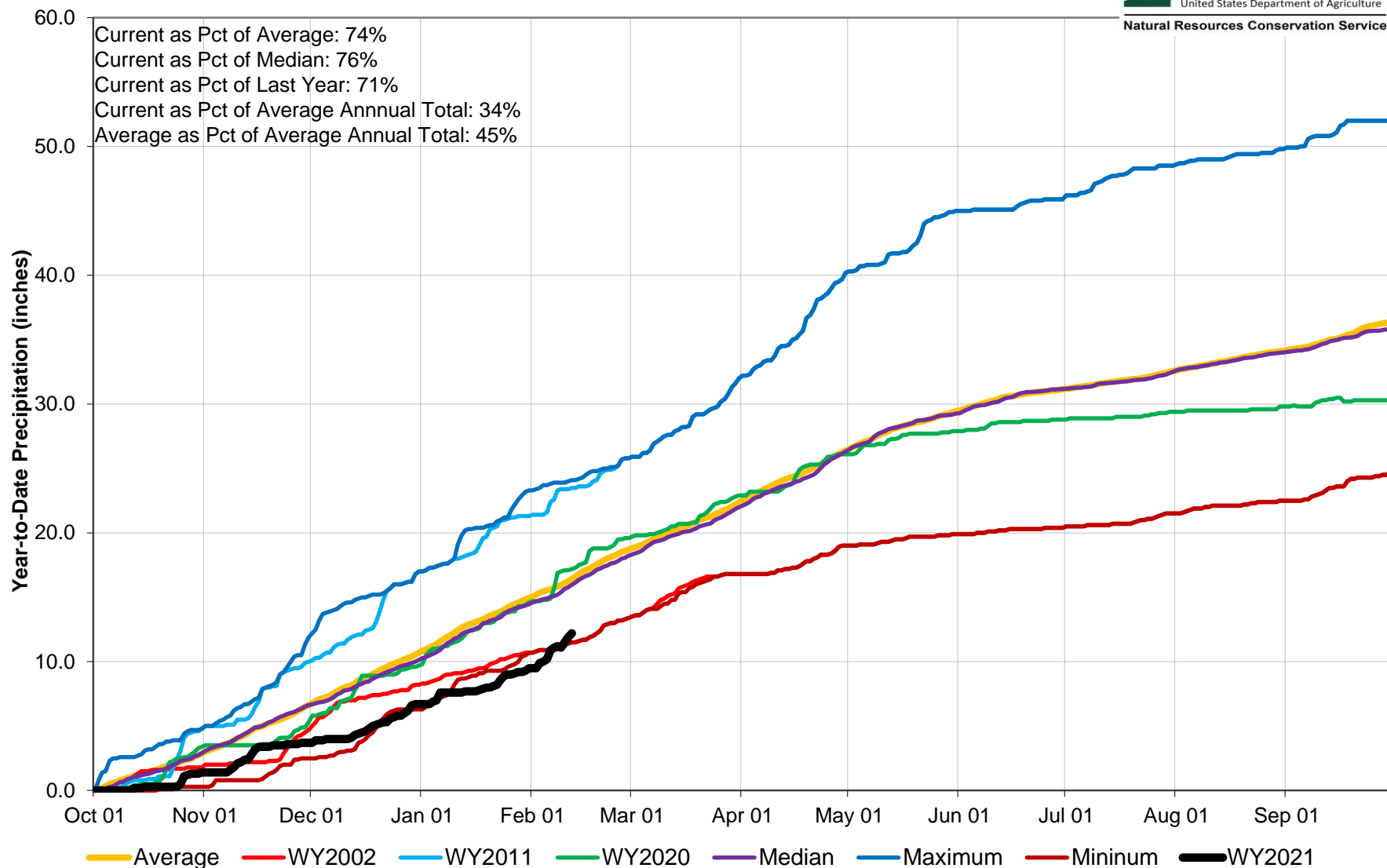


0 10 20 40 60 80 Miles

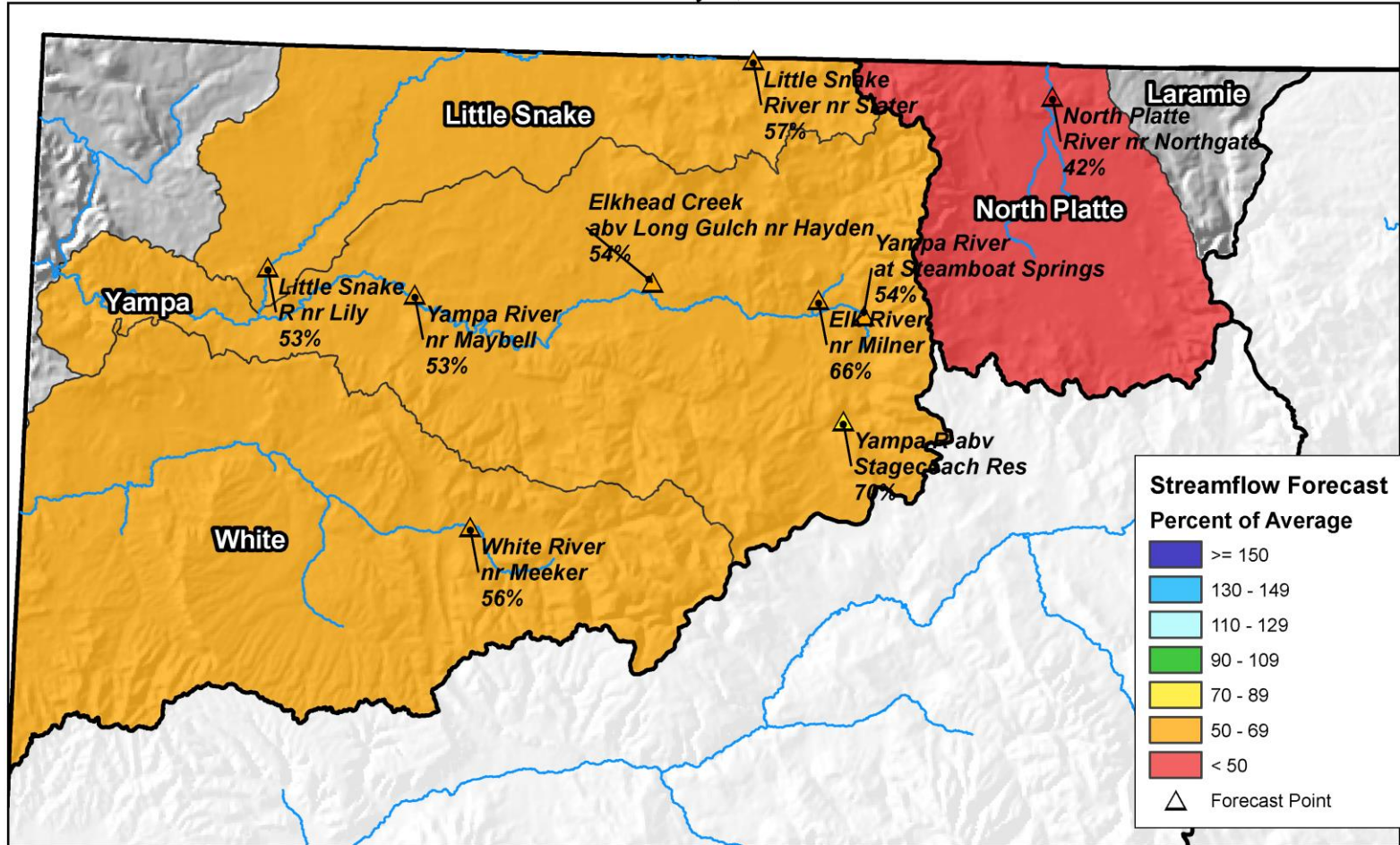


Yampa and White River Basins High/Low Year-to-Date Precipitation Summary

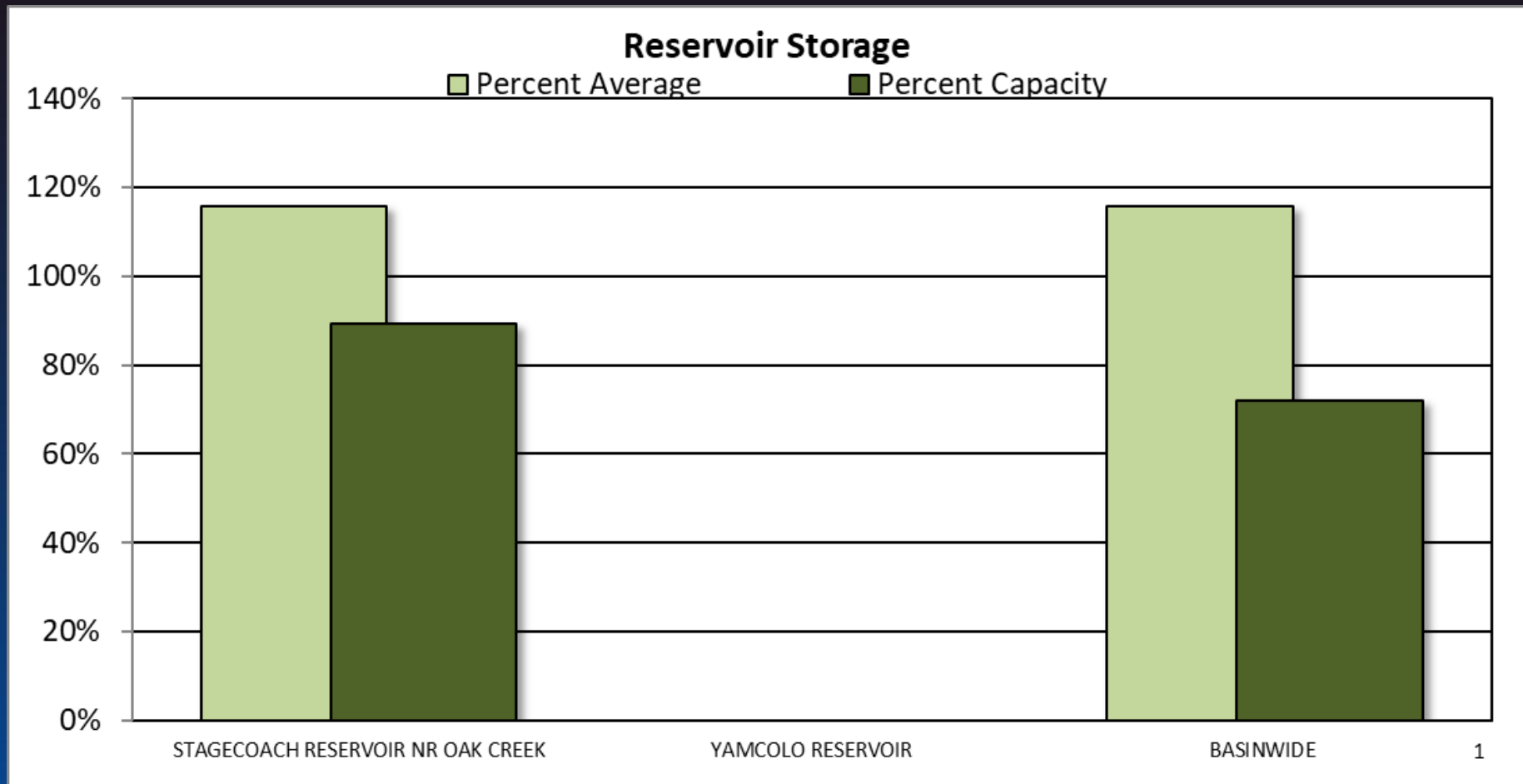
Based on Provisional SNOTEL data as of Feb 12, 2021



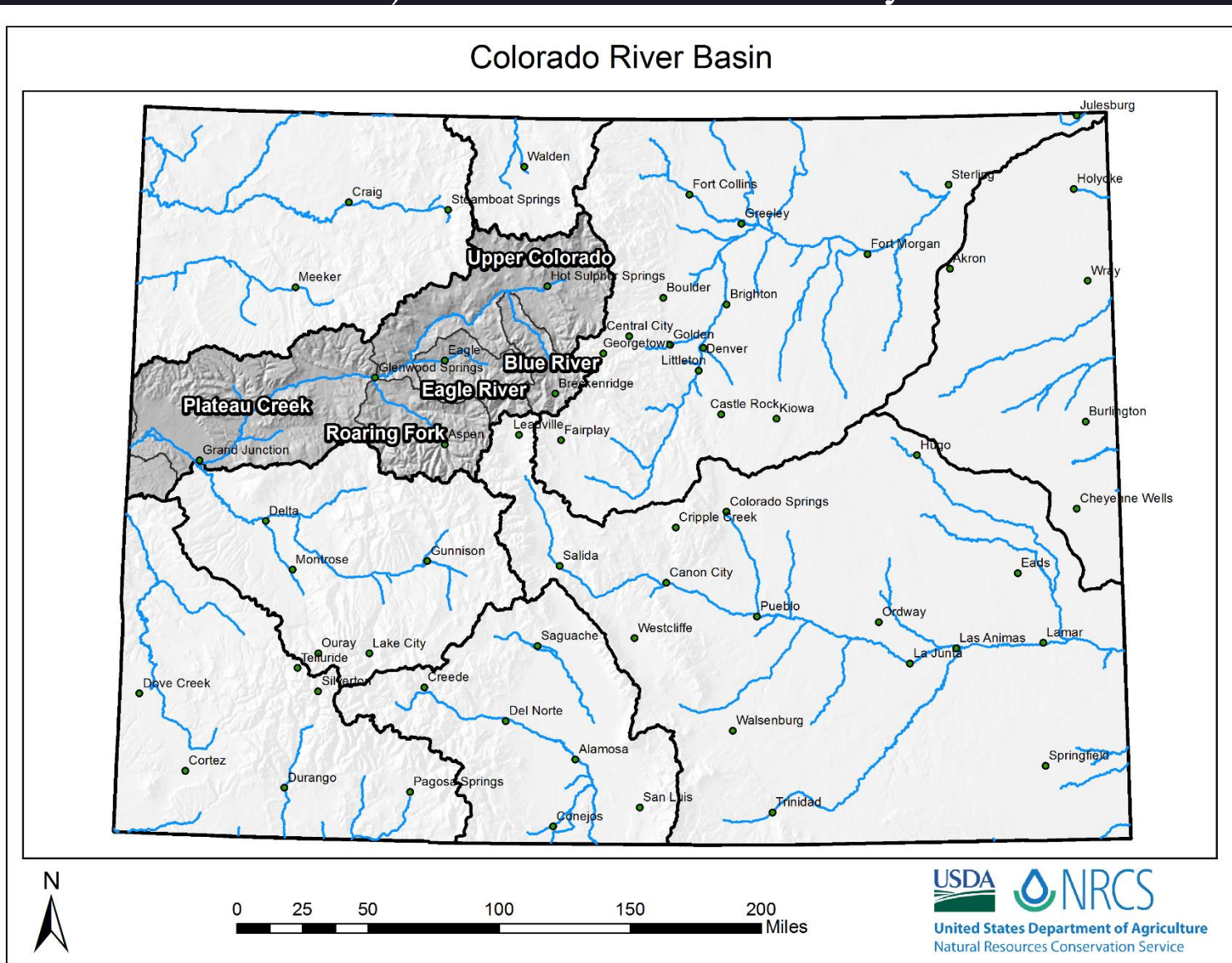
Yampa, White, and North Platte River Basins Streamflow Forecast Summary February 1, 2021



0 10 20 40 60 80 Miles



Major Basin Summary





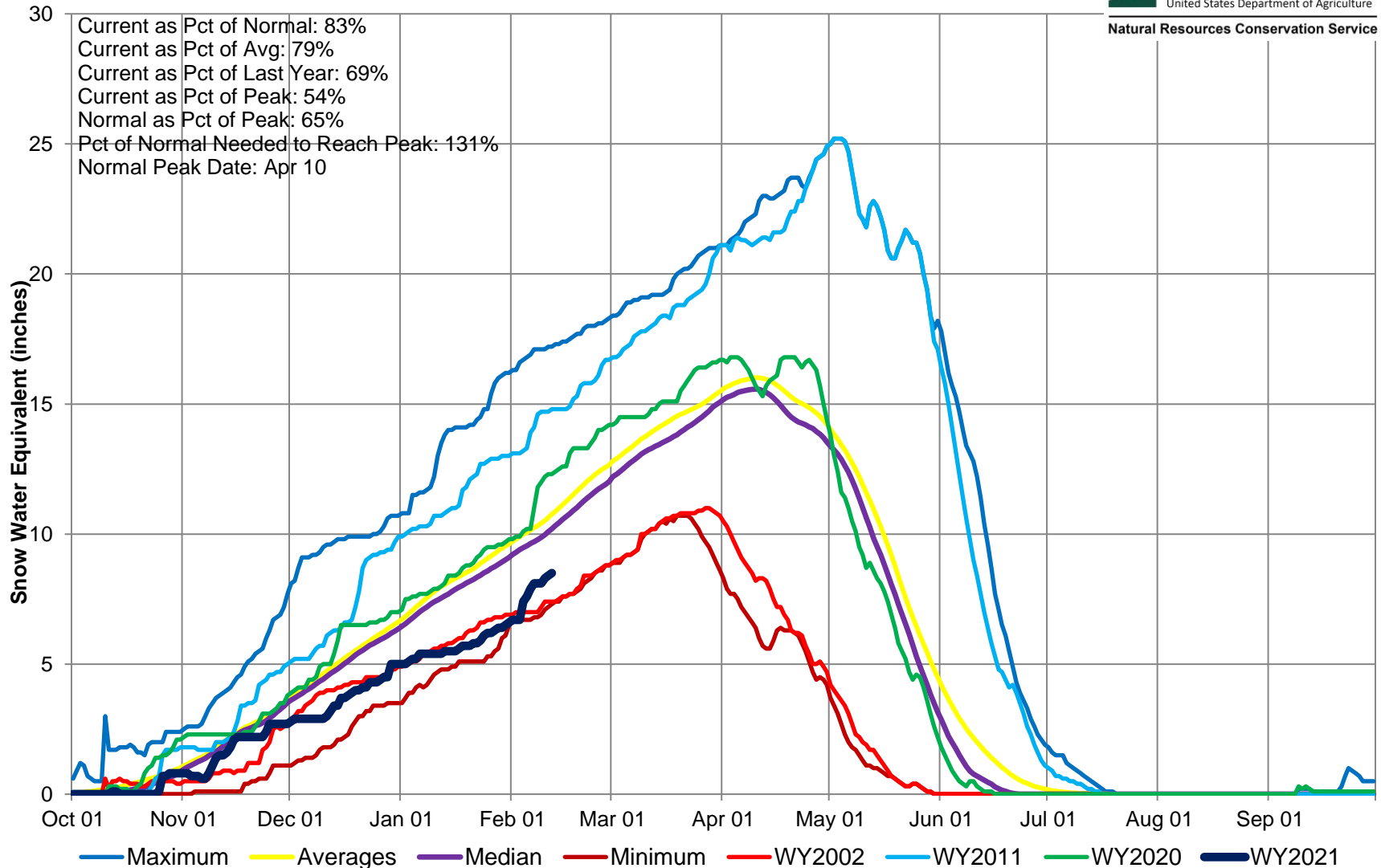
Upper Colorado River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Feb 12, 2021



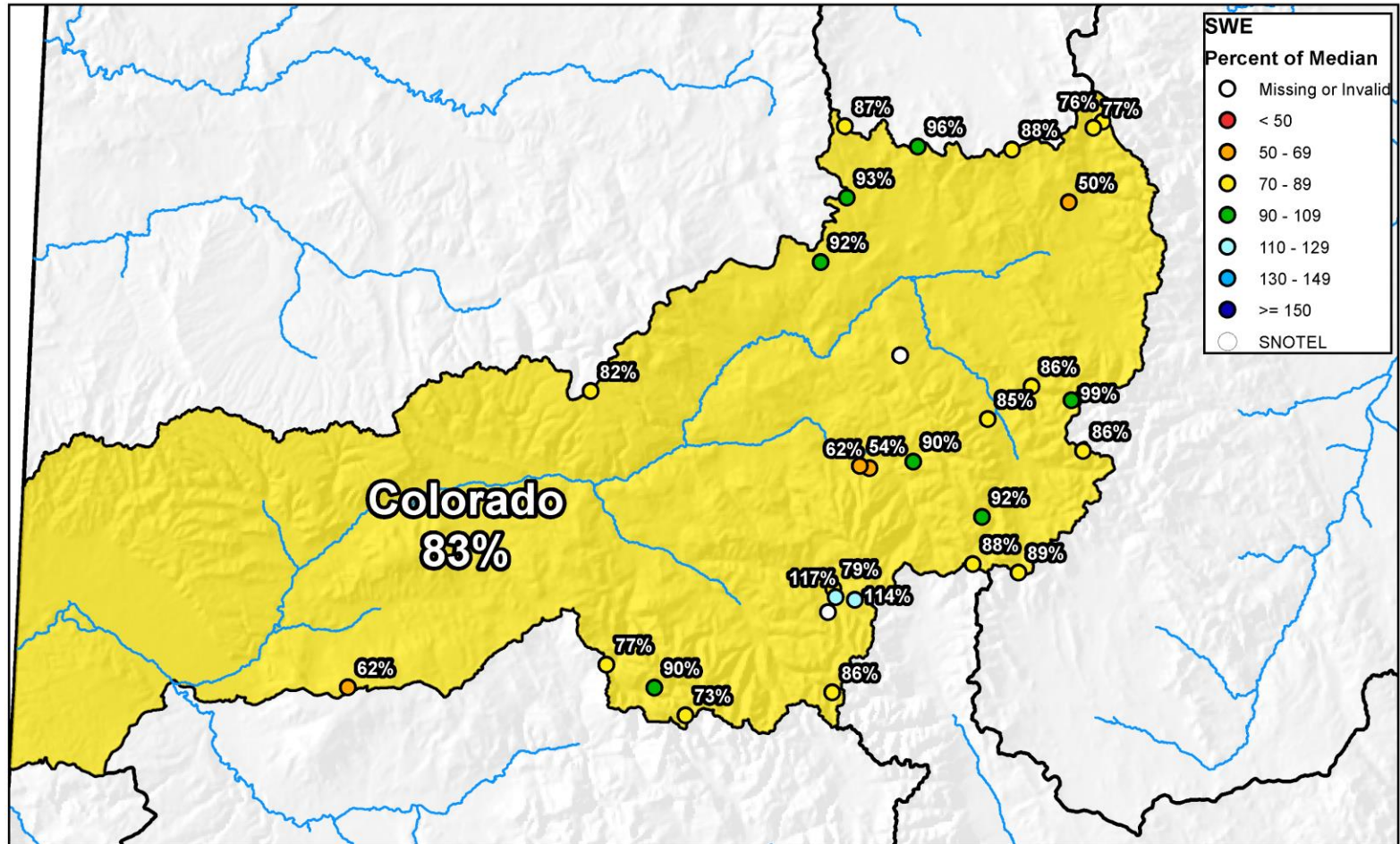
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Upper Colorado River Basin Snow Water Equivalent (SWE) Summary

Current as of Feb 12, 2021



0 10 20 40 60 80 Miles

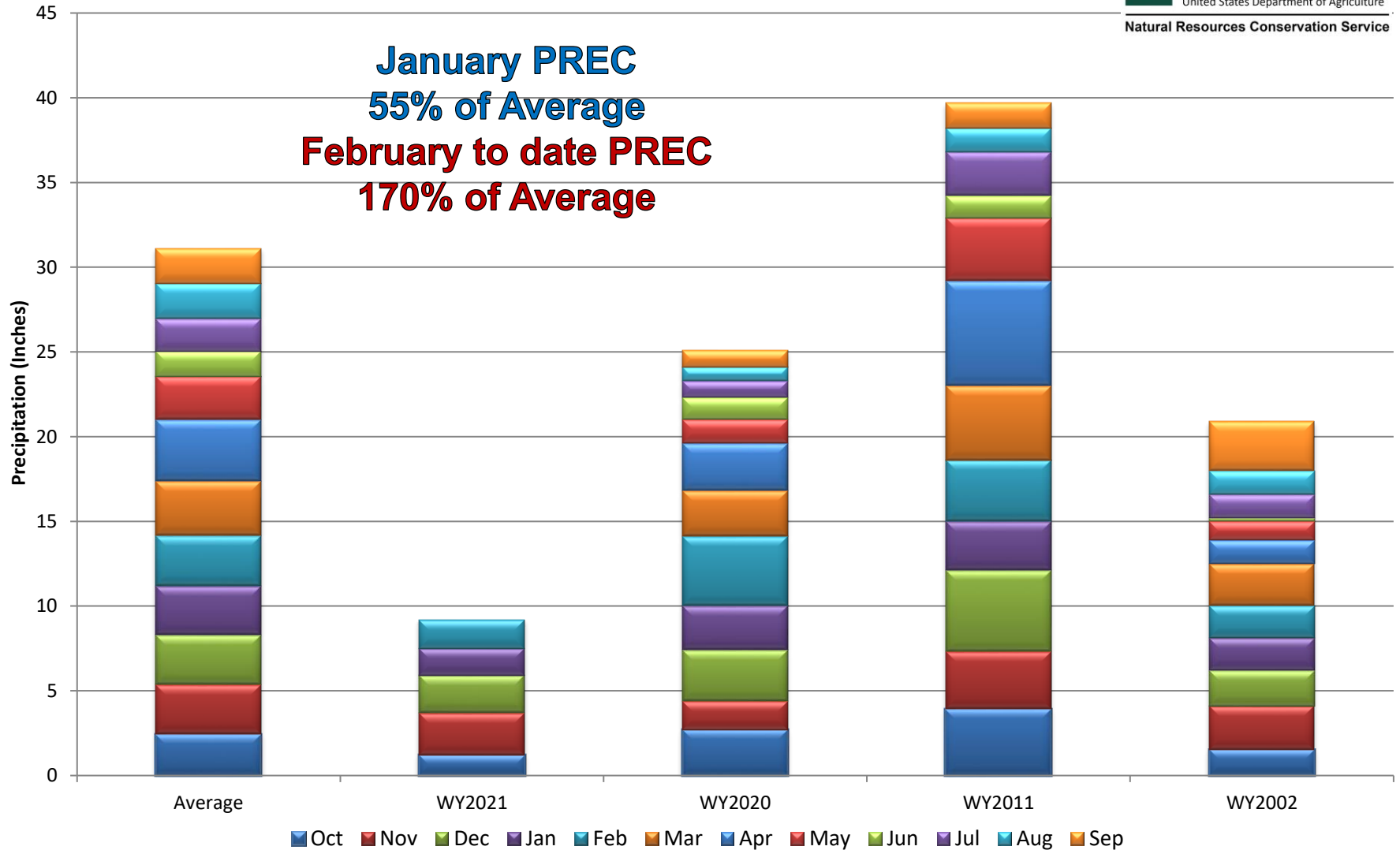
Upper Colorado River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Feb 12, 2021



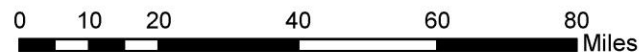
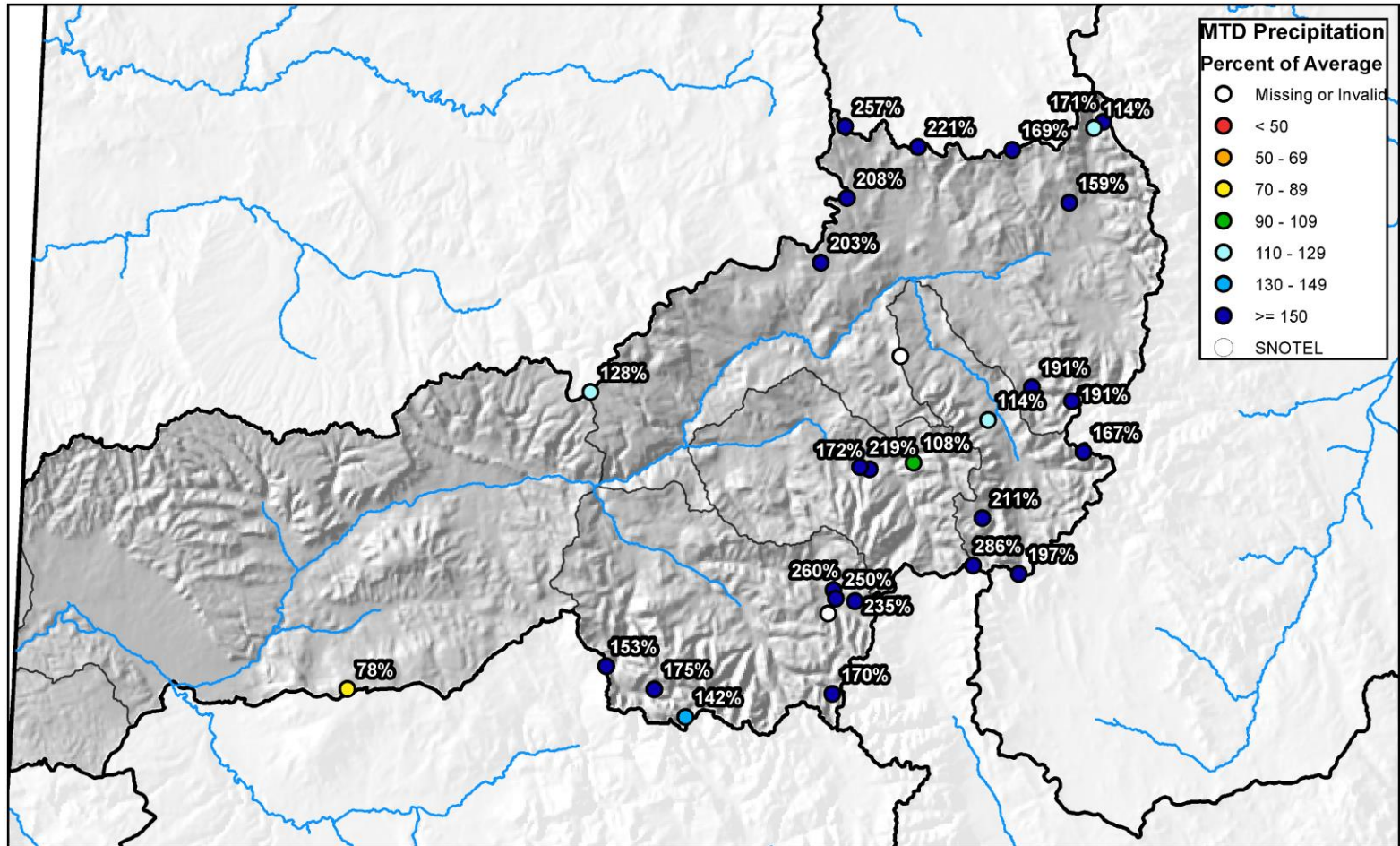
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Upper Colorado River Basin Month to Date Precipitation Summary

Current as of Feb 12, 2021



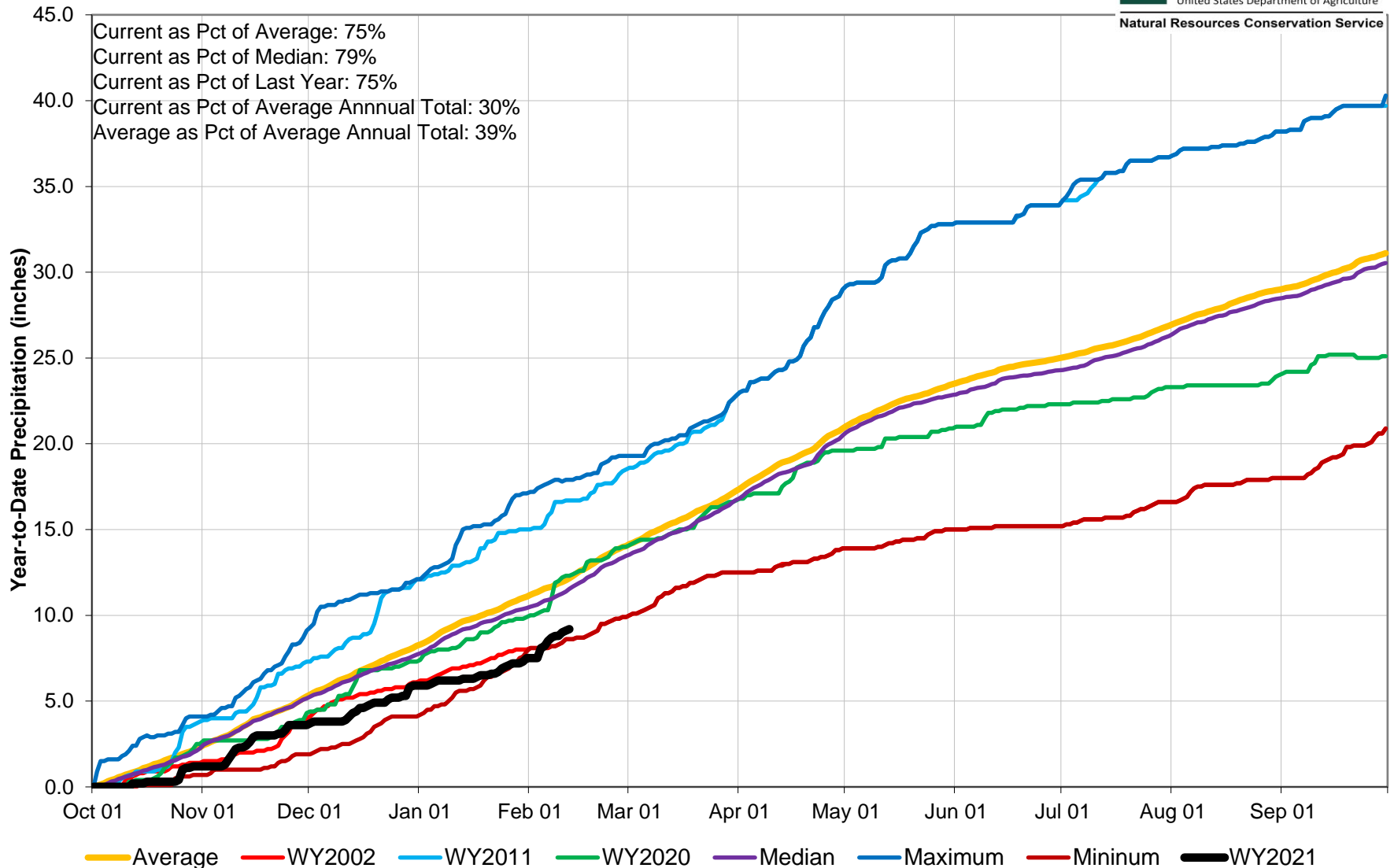
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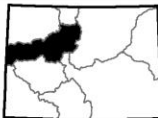
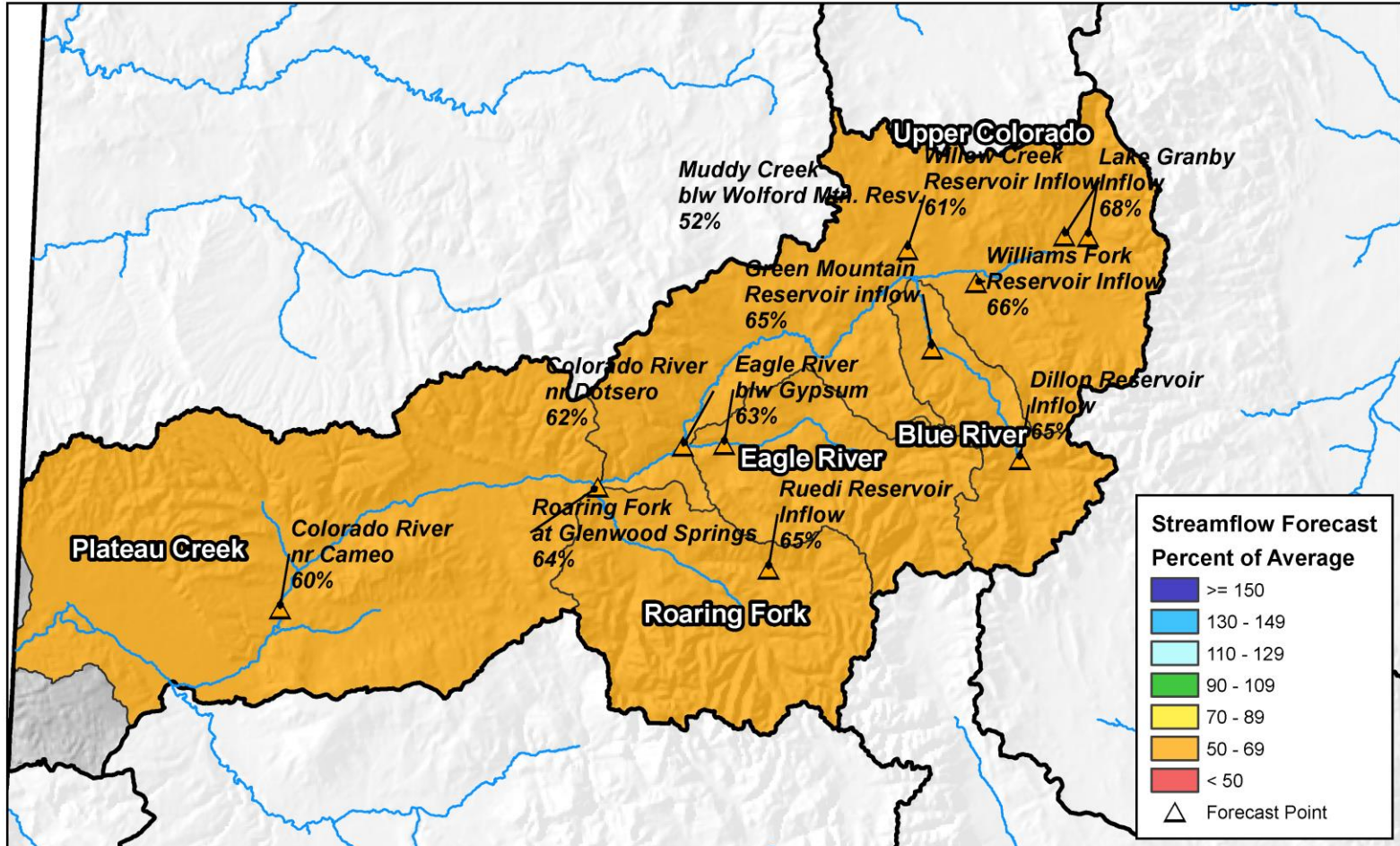
Upper Colorado River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Feb 12, 2021

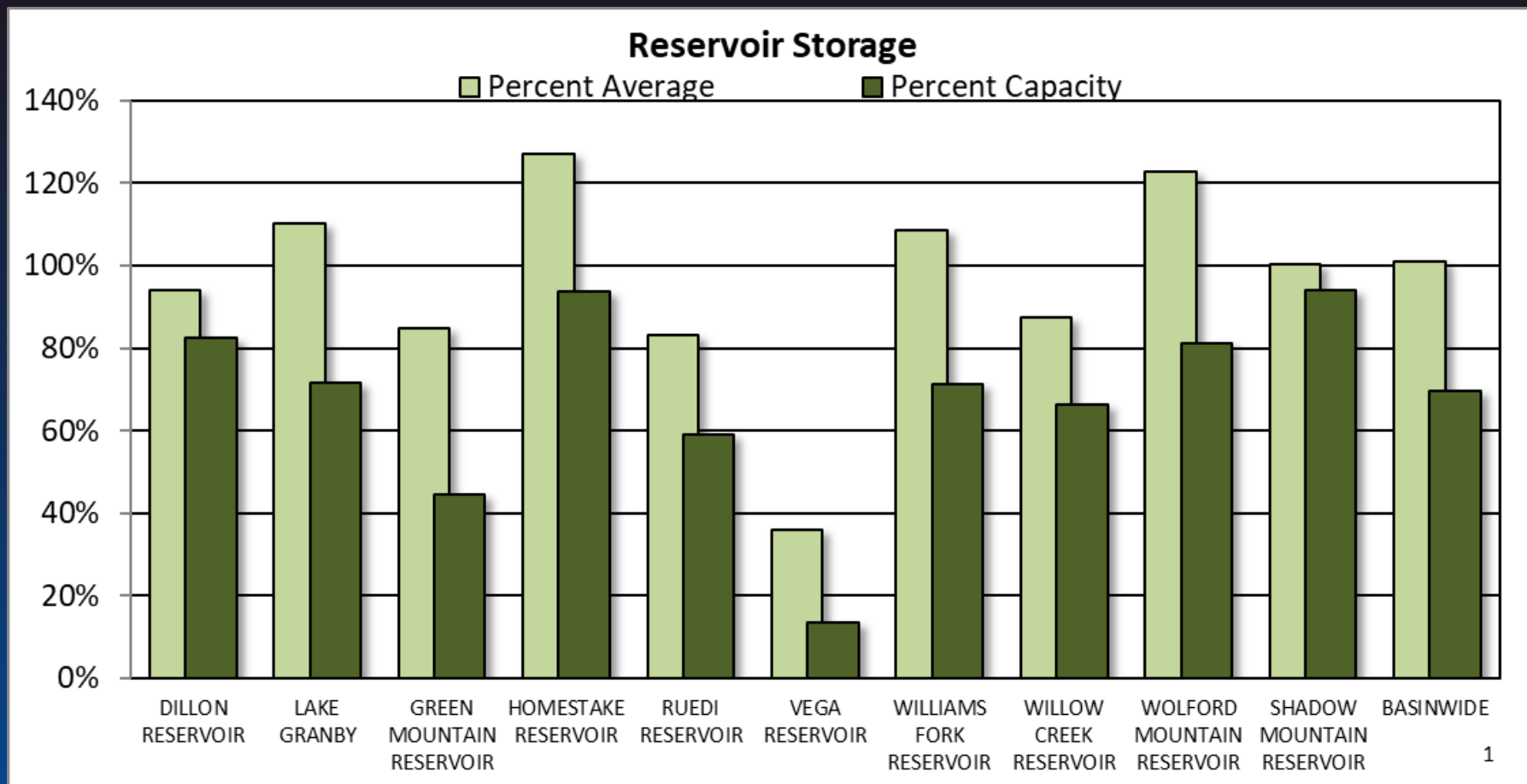


Upper Colorado River Basin Streamflow Forecast Summary

February 1, 2021

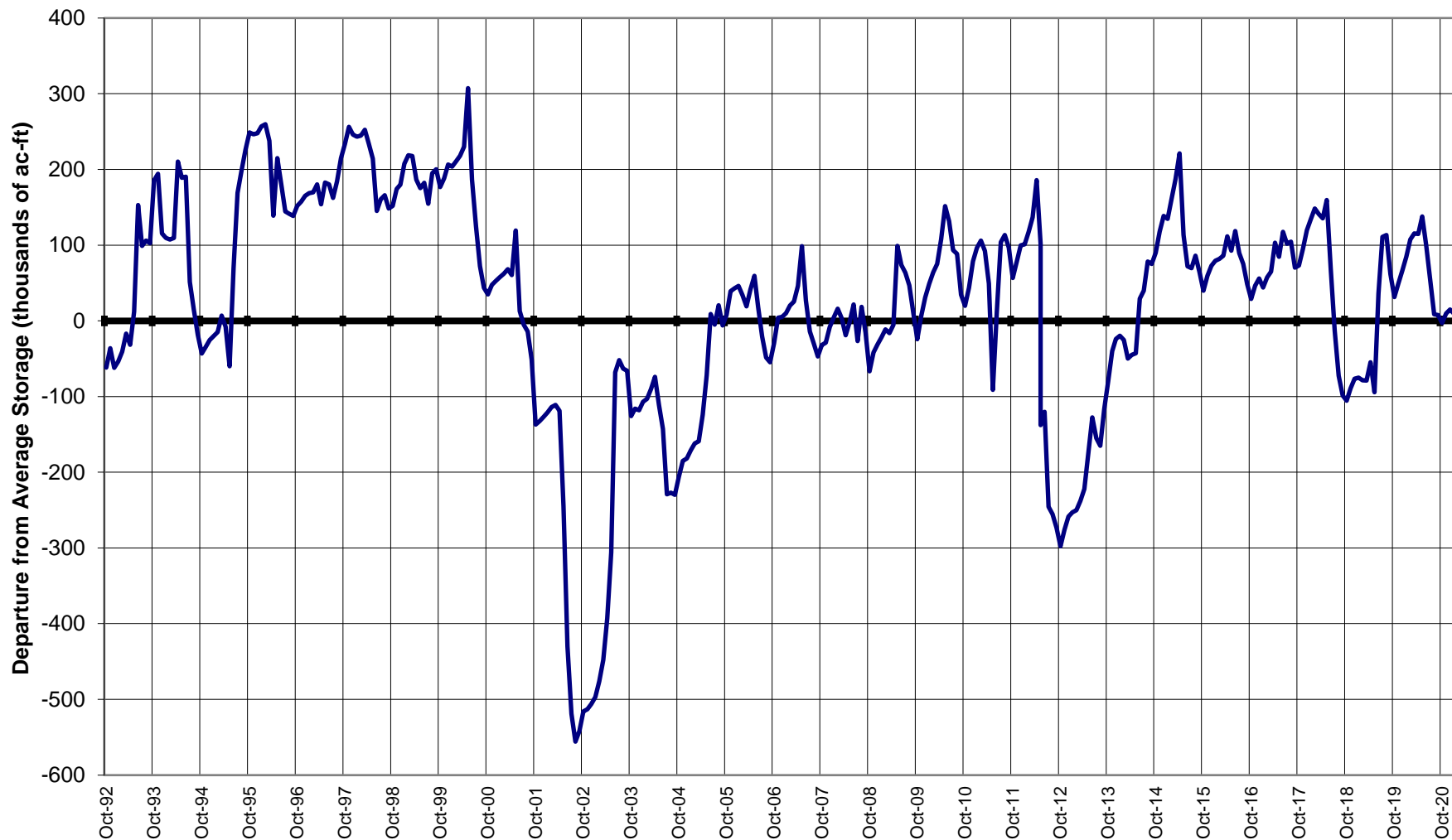


0 10 20 40 60 80 Miles



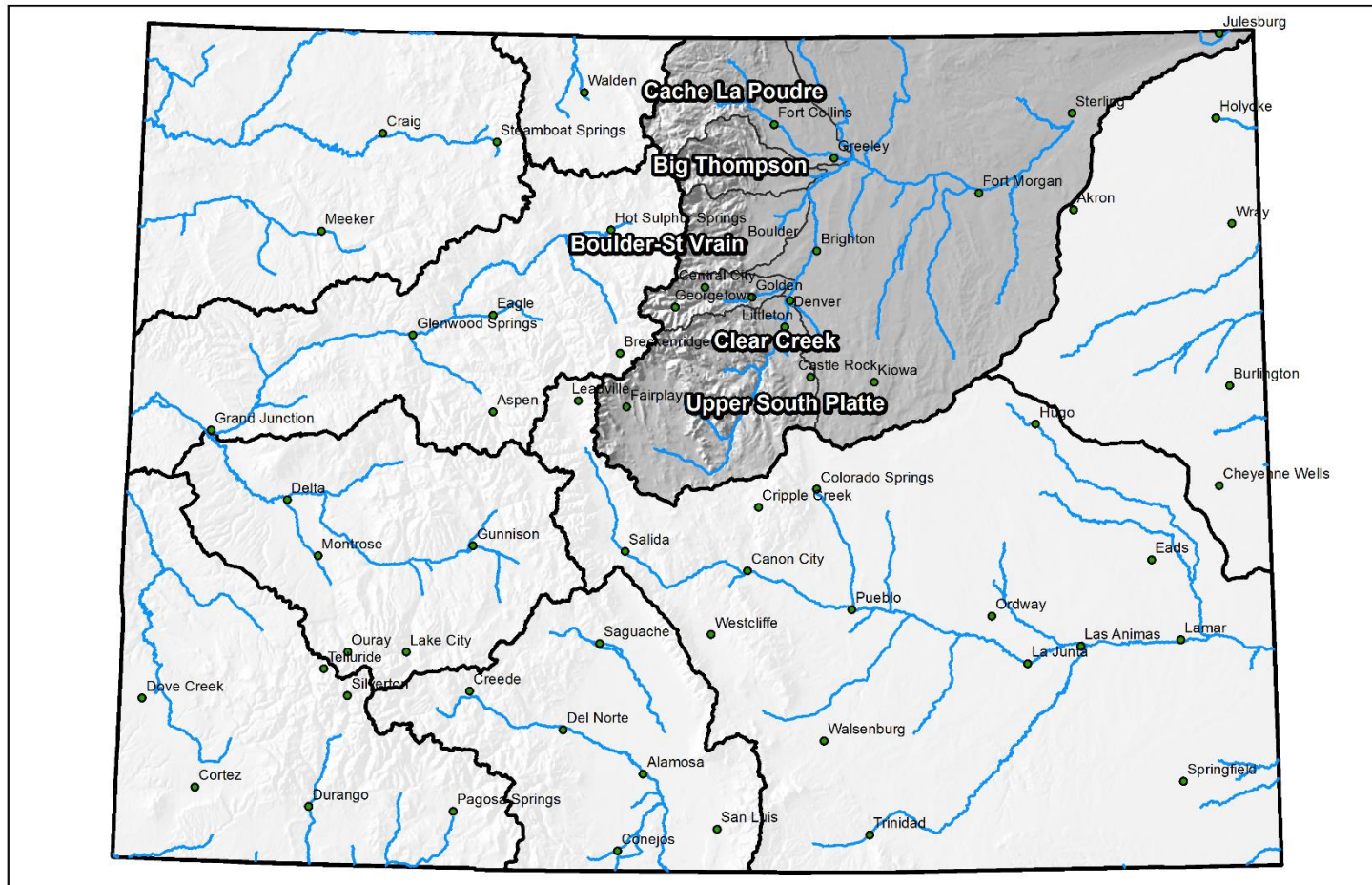


COLORADO RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

South Platte River Basin





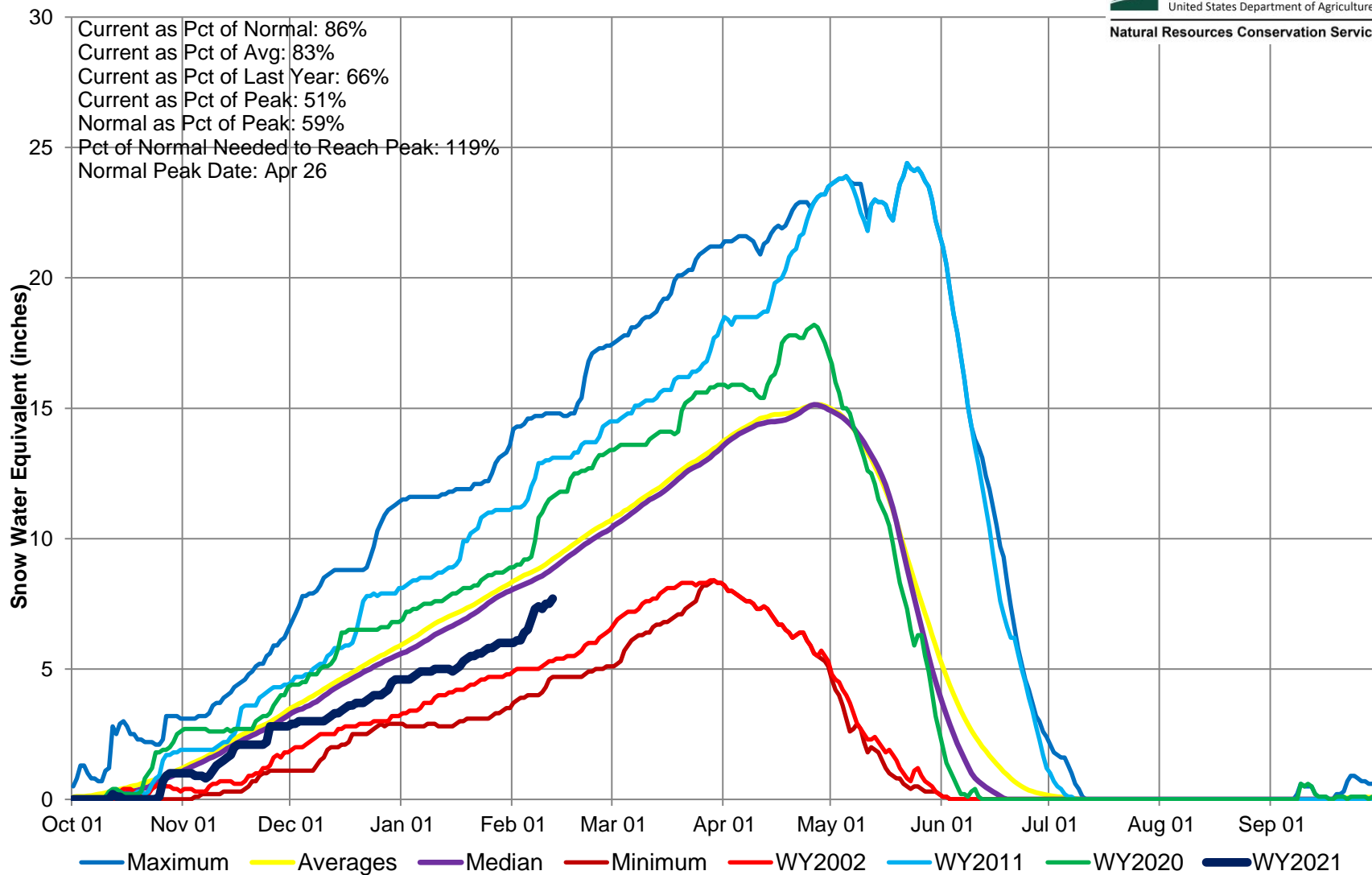
South Platte River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Feb 12, 2021



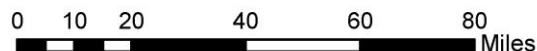
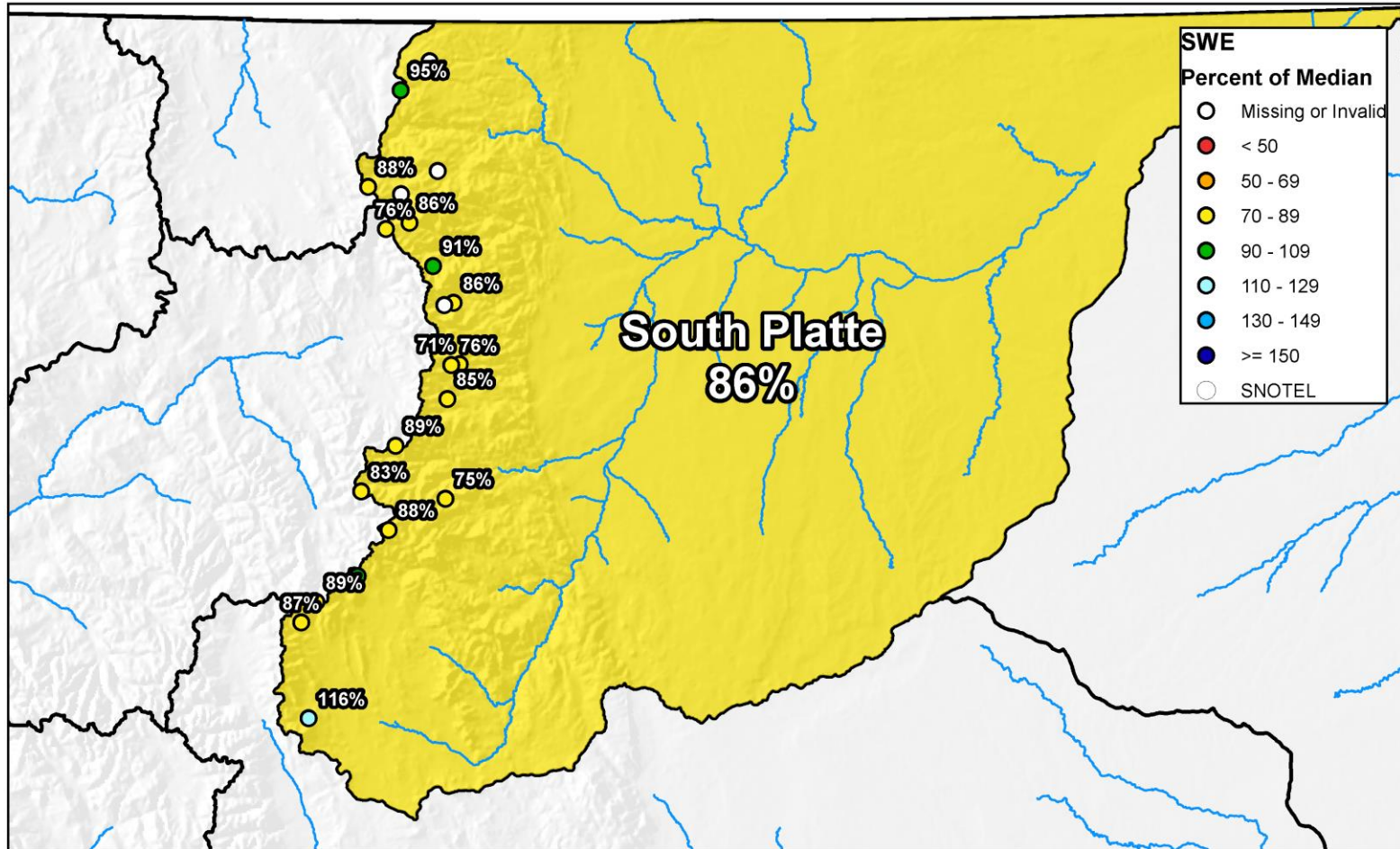
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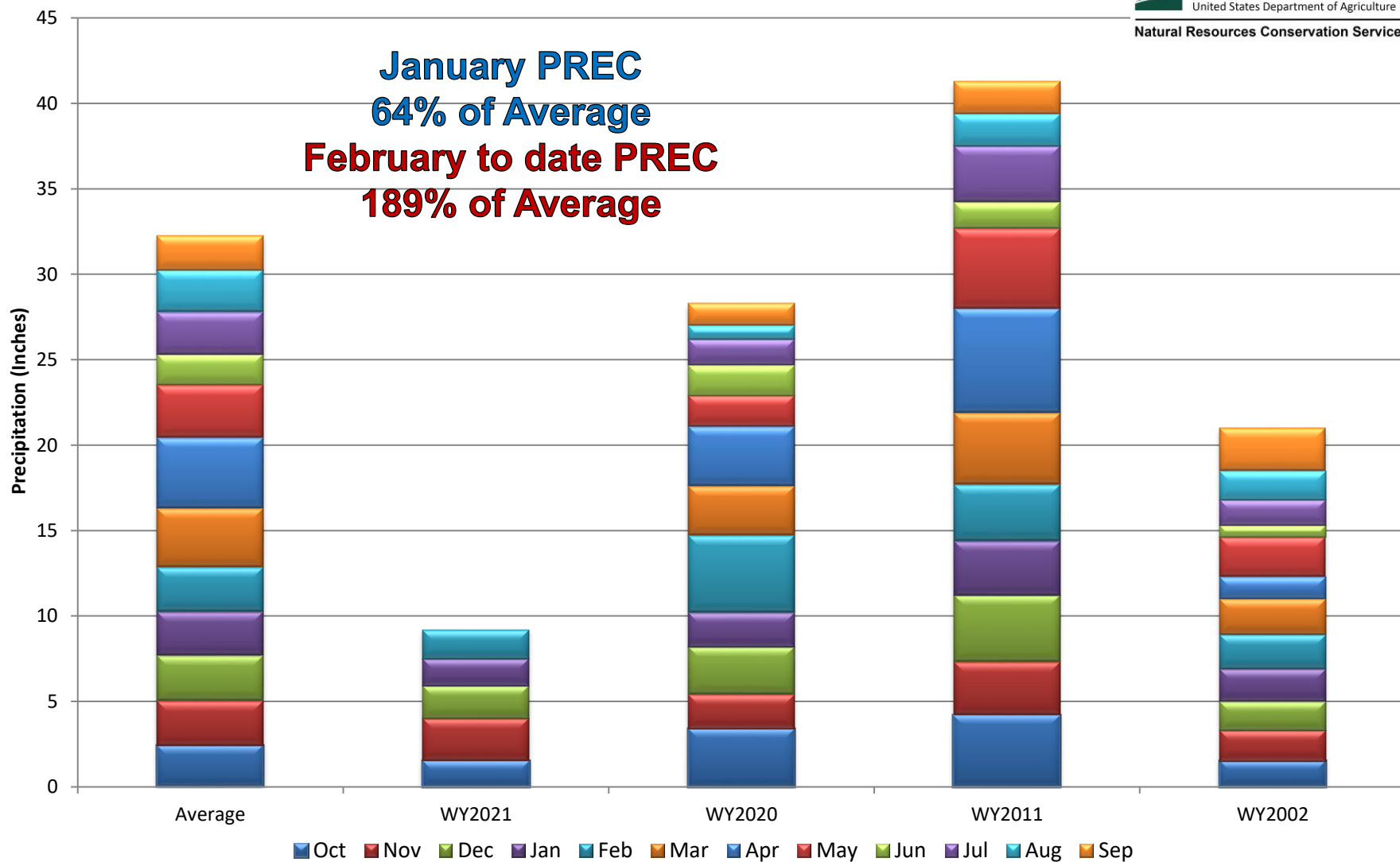
South Platte River Basin Snow Water Equivalent (SWE) Summary

Current as of Feb 12, 2021



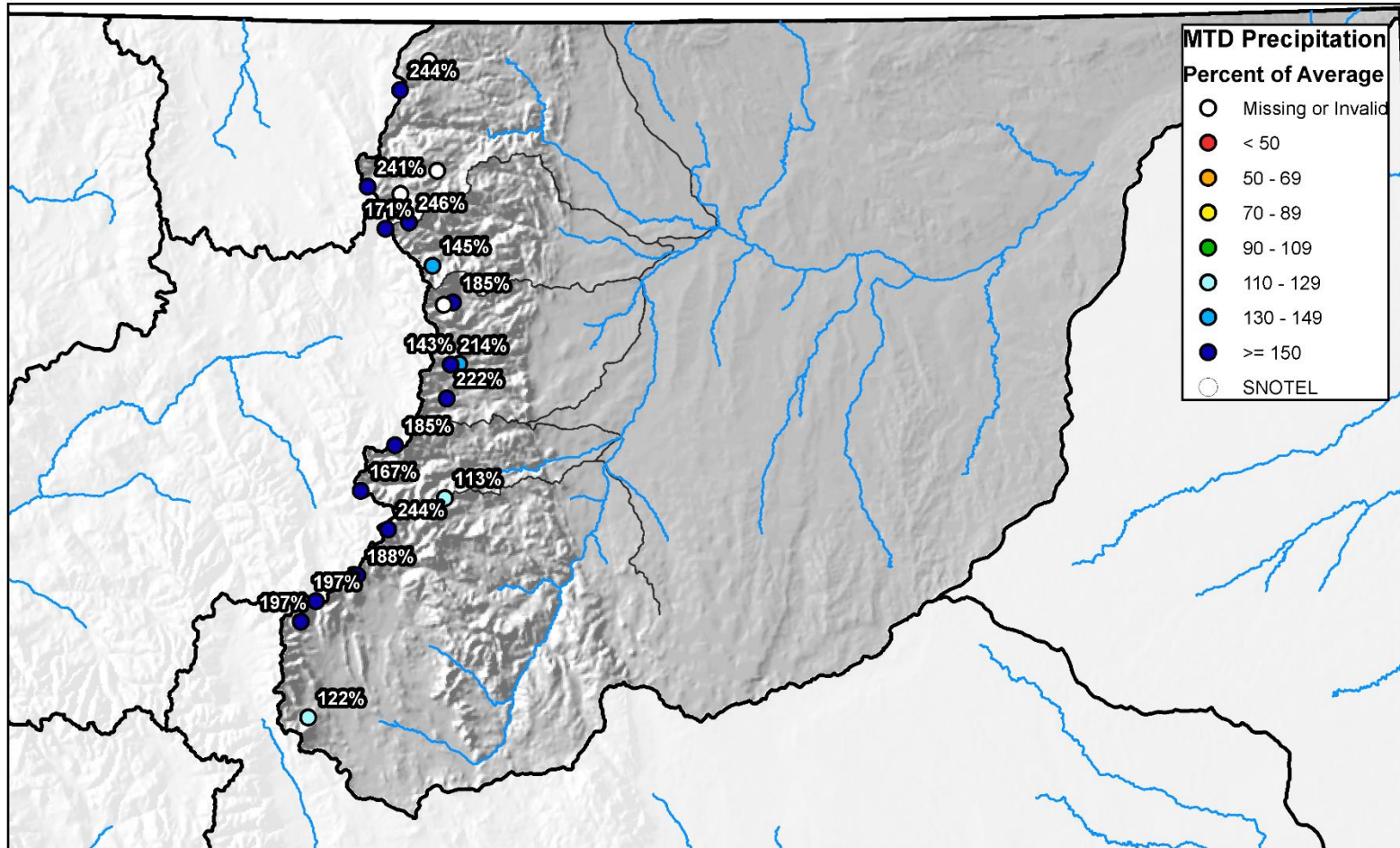
South Platte River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Feb 12, 2021



South Platte River Basin Month to Date Precipitation Summary

Current as of Feb 12, 2021

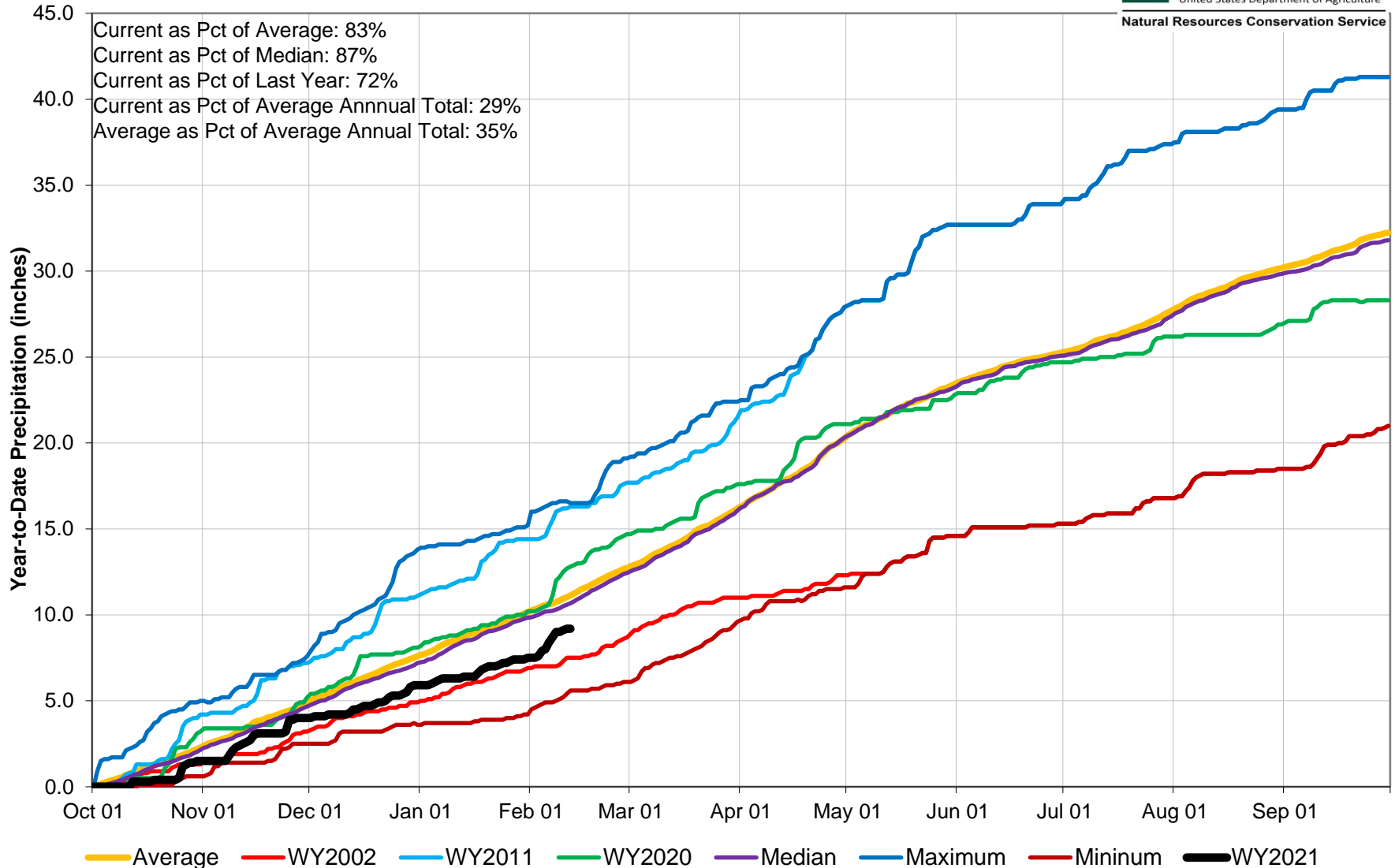


0 10 20 40 60 80 Miles



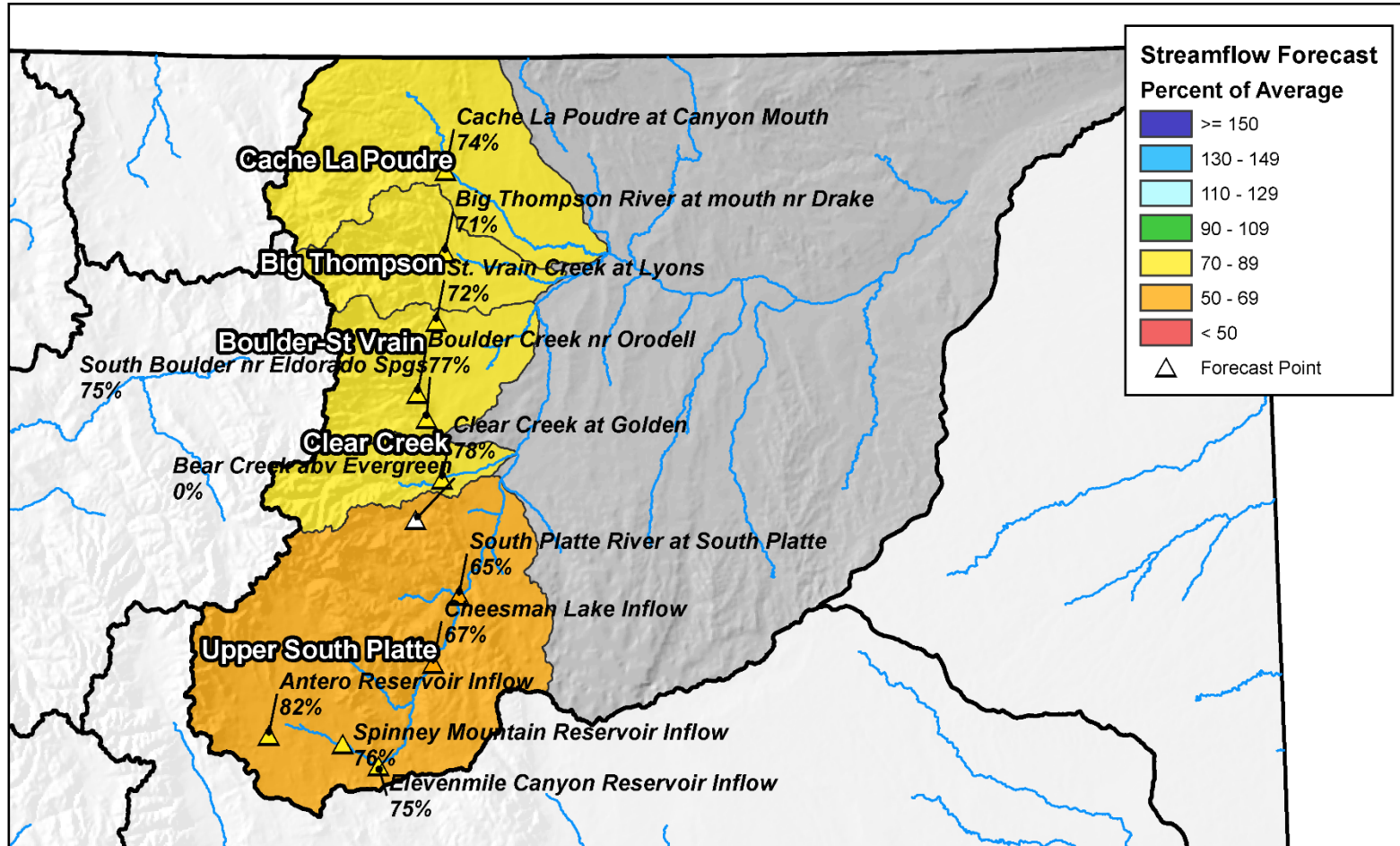
South Platte River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Feb 12, 2021

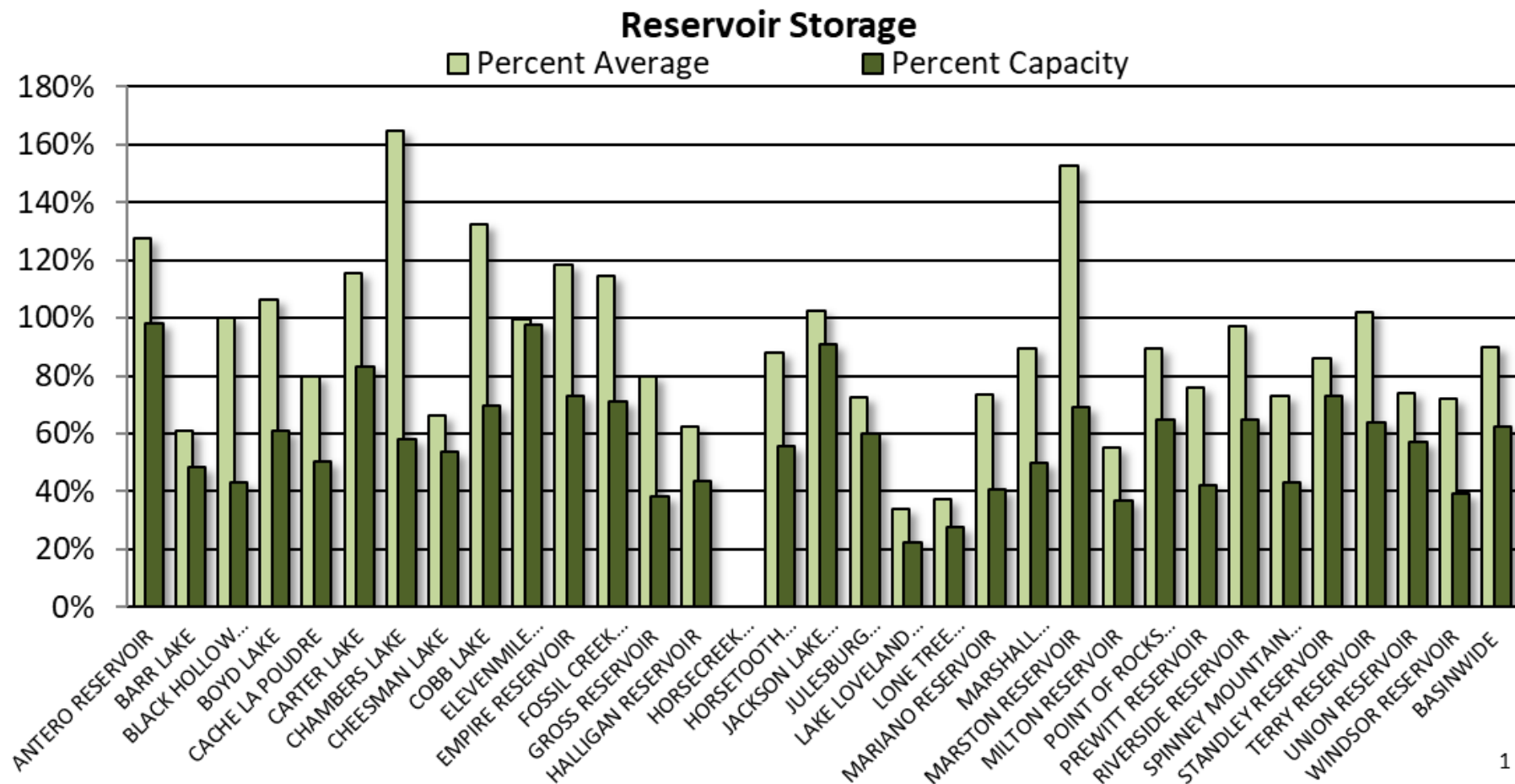


South Platte River Basin Streamflow Forecast Summary

February 1, 2021

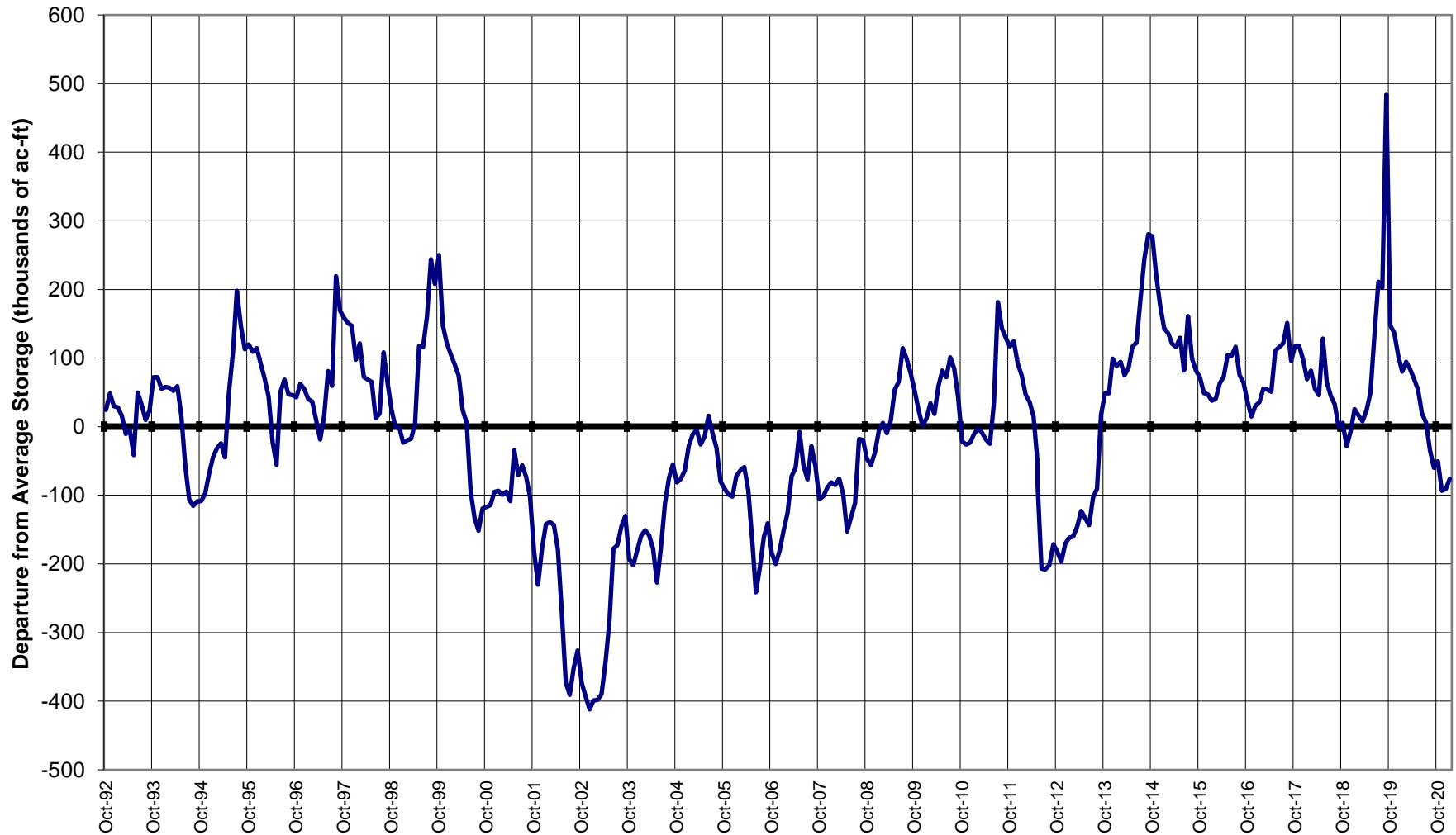


0 12.5 25 50 75 100 Miles



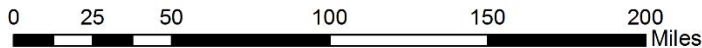
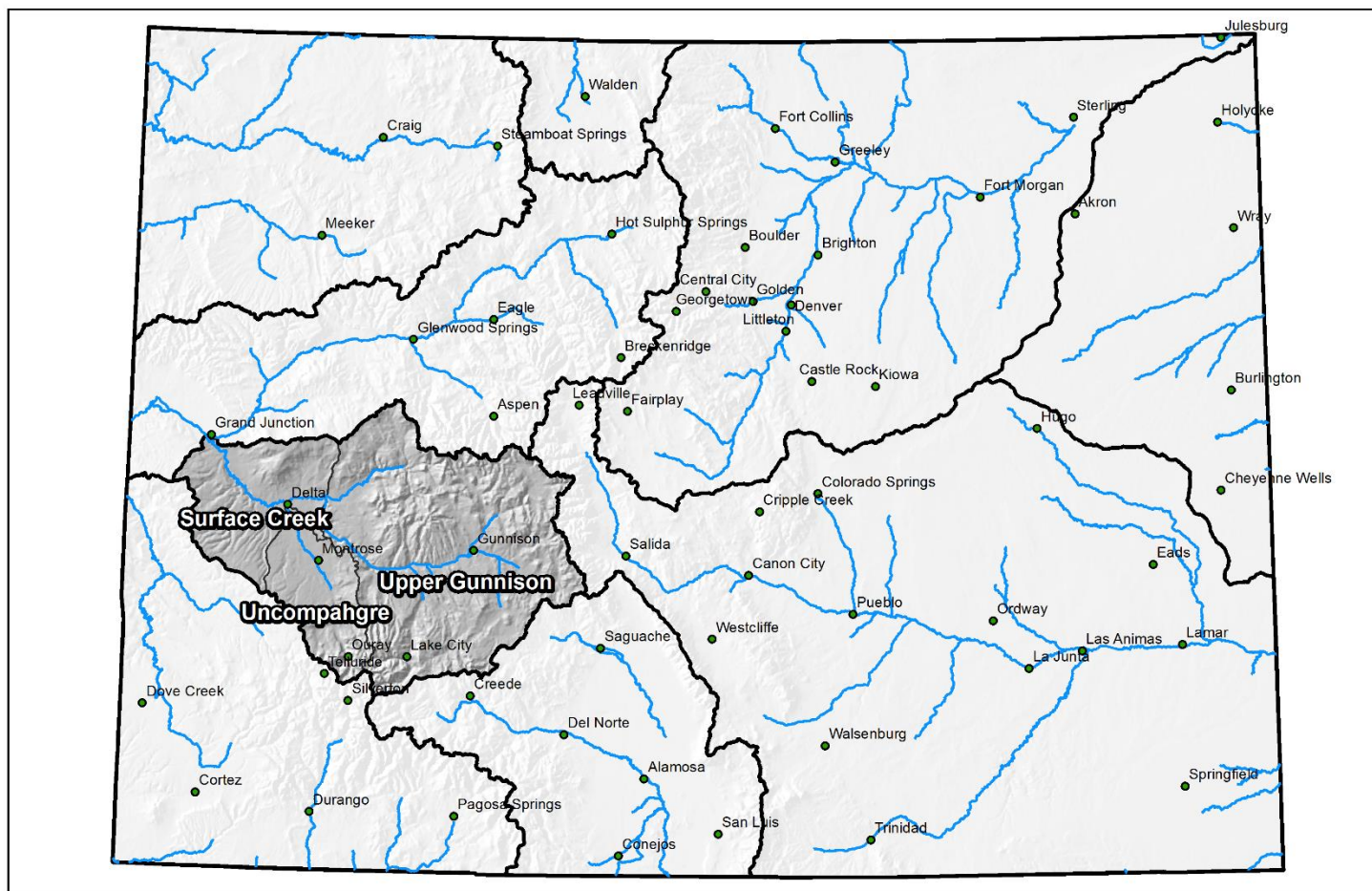


SOUTH PLATTE RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

Gunnison River Basin





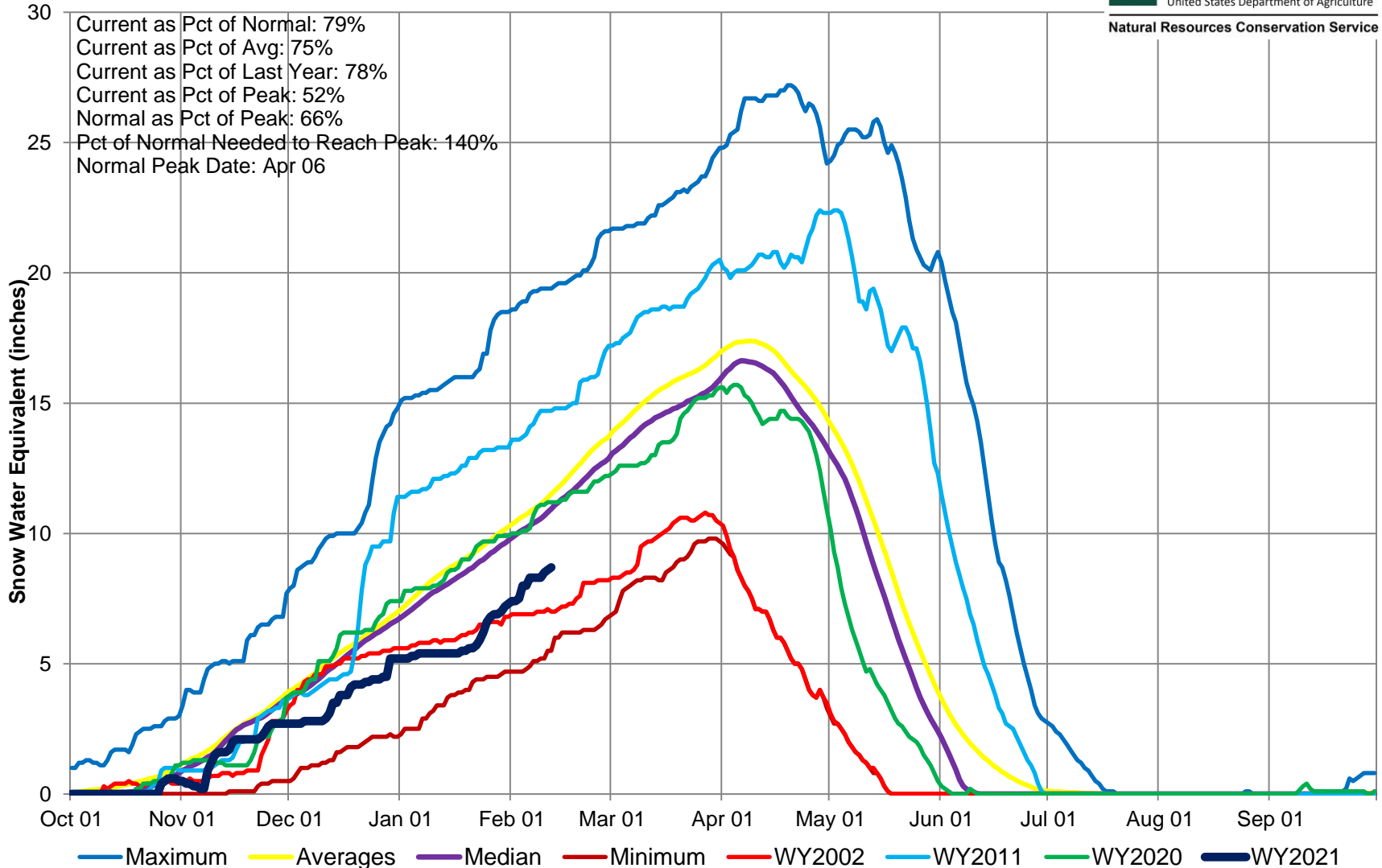
Gunnison River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Feb 12, 2021



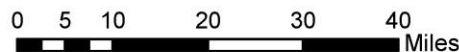
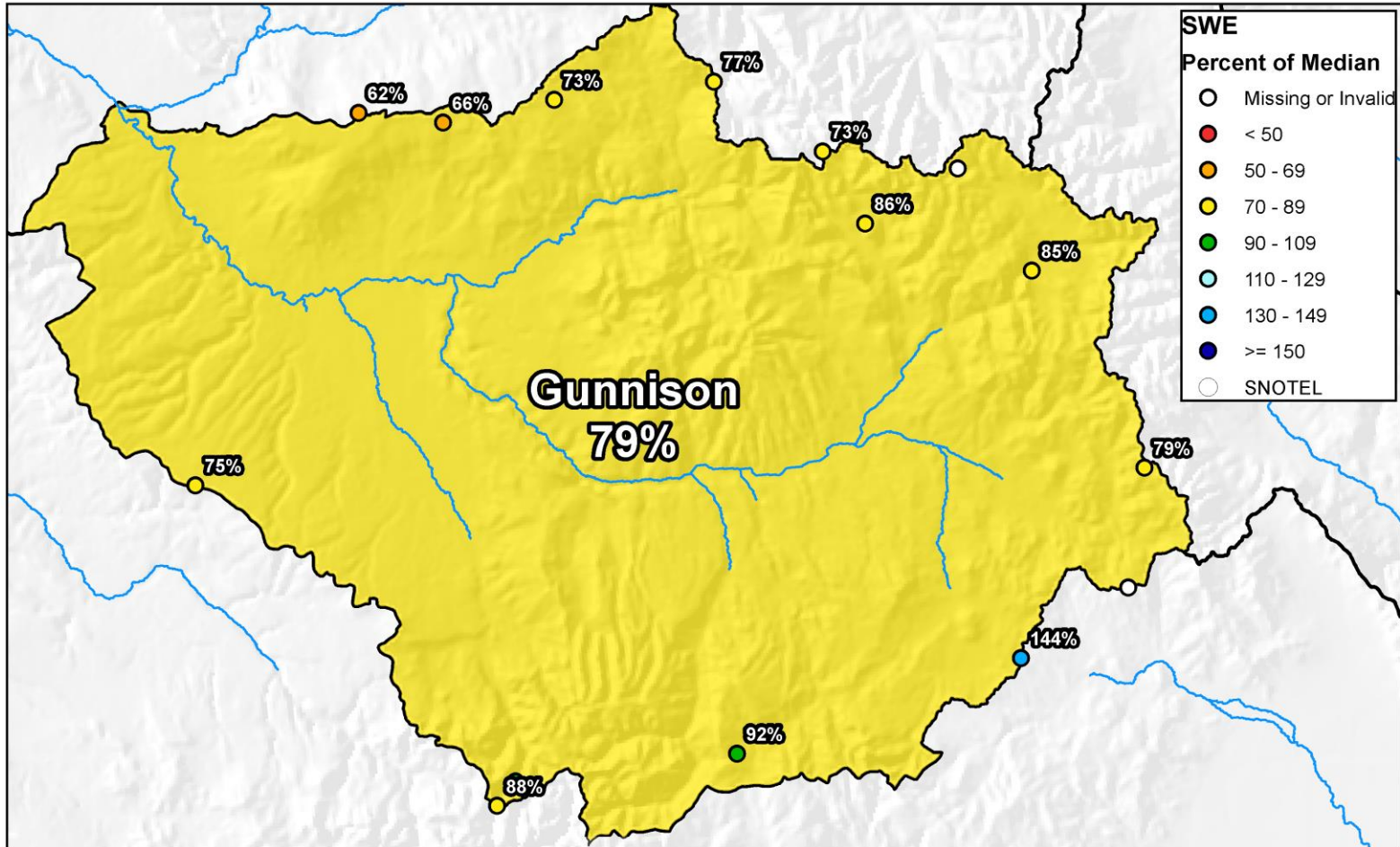
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Gunnison River Basin Snow Water Equivalent (SWE) Summary

Current as of Feb 12, 2021



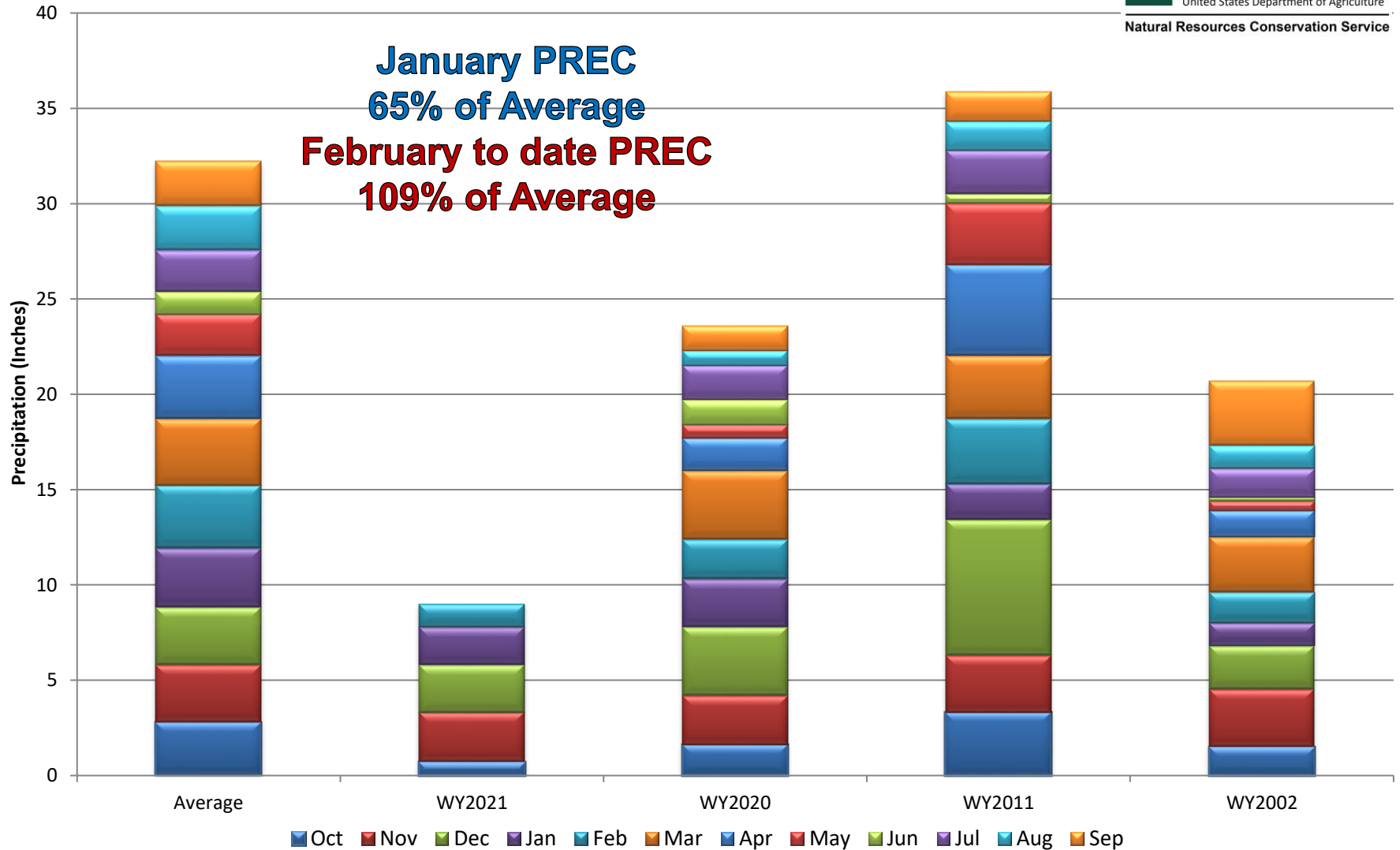
Gunnison River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Feb 12, 2021

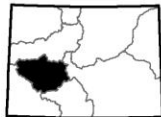
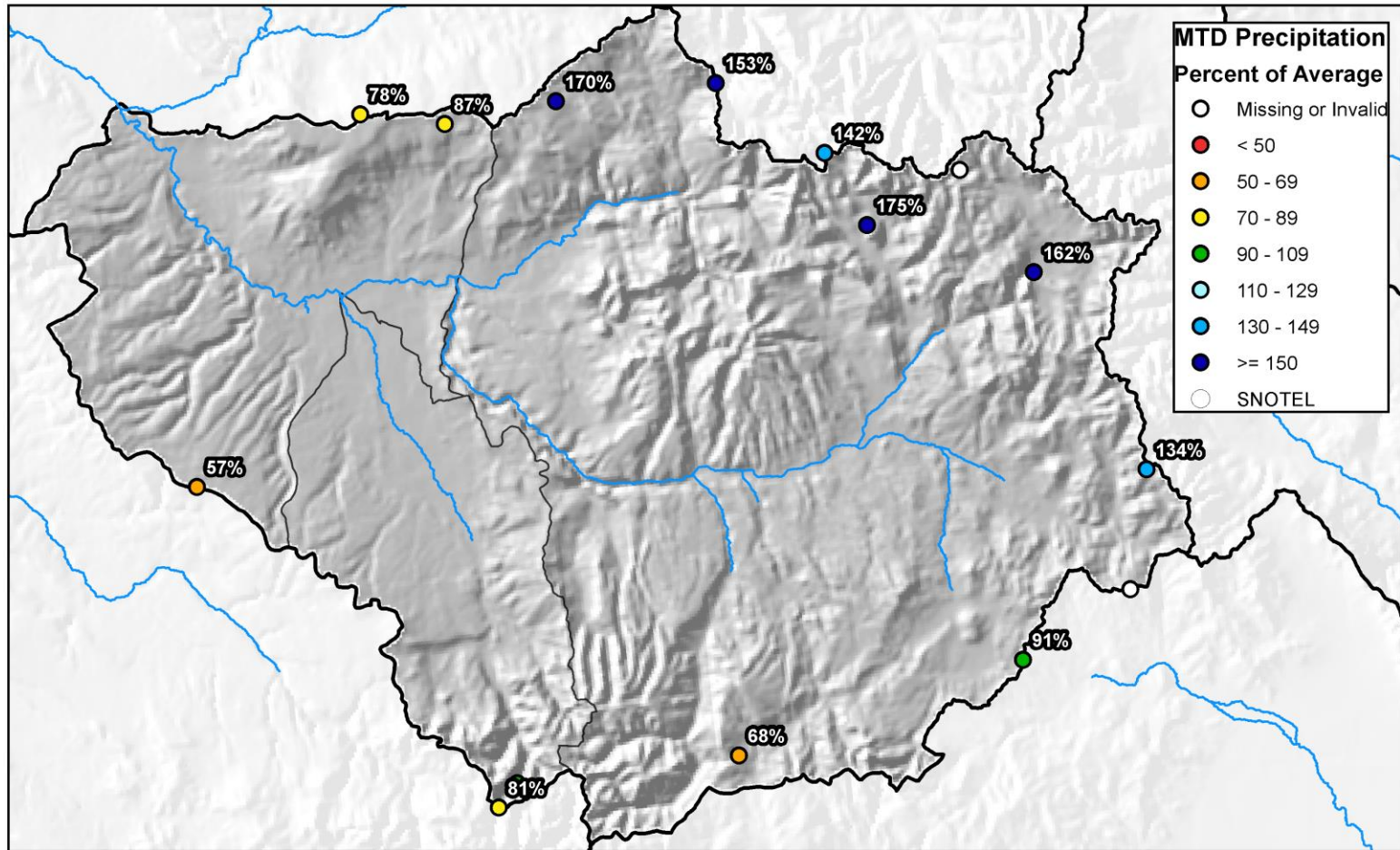


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Gunnison River Basin Month to Date Precipitation Summary Current as of Feb 12, 2021

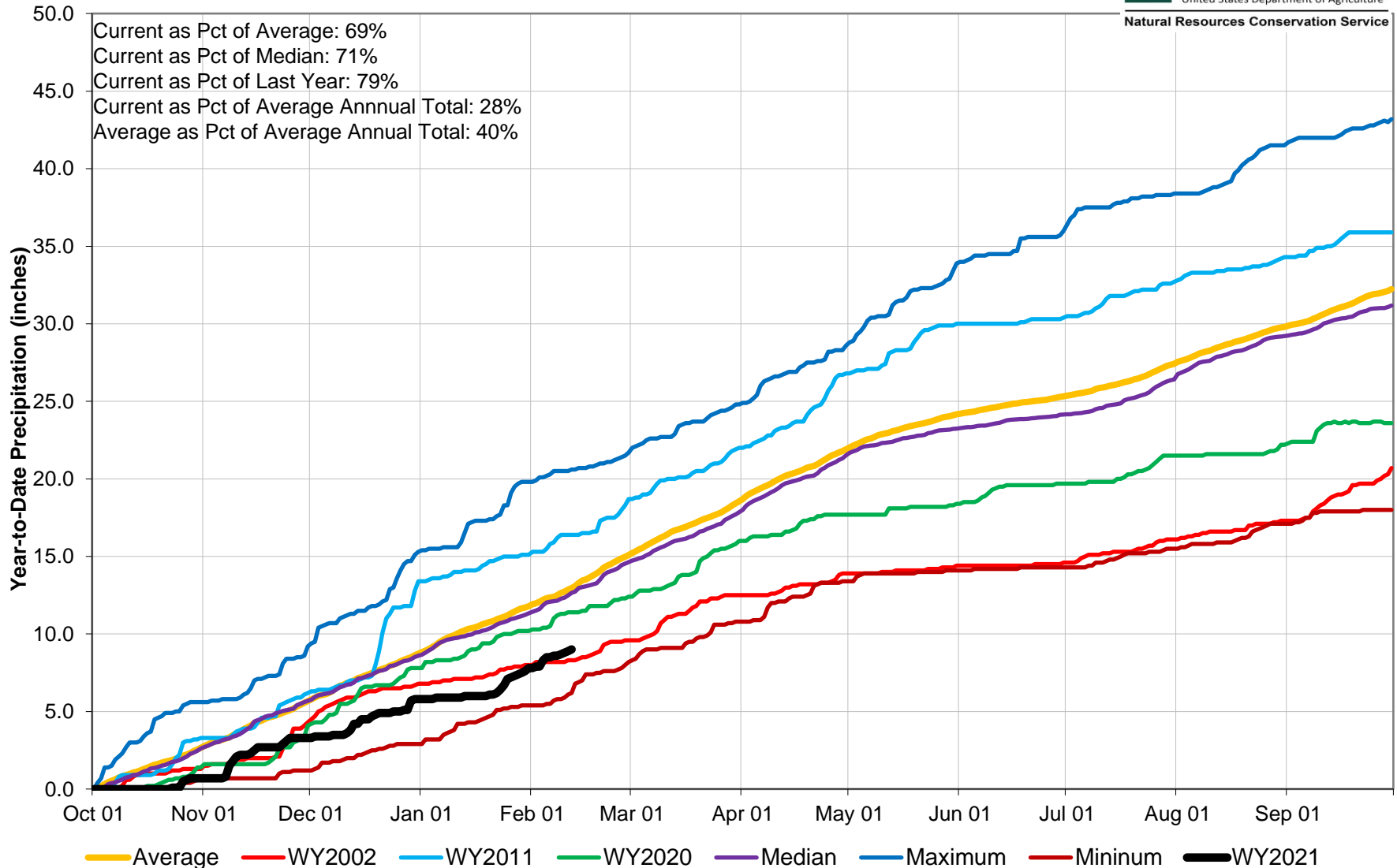


0 5 10 20 30 40 Miles



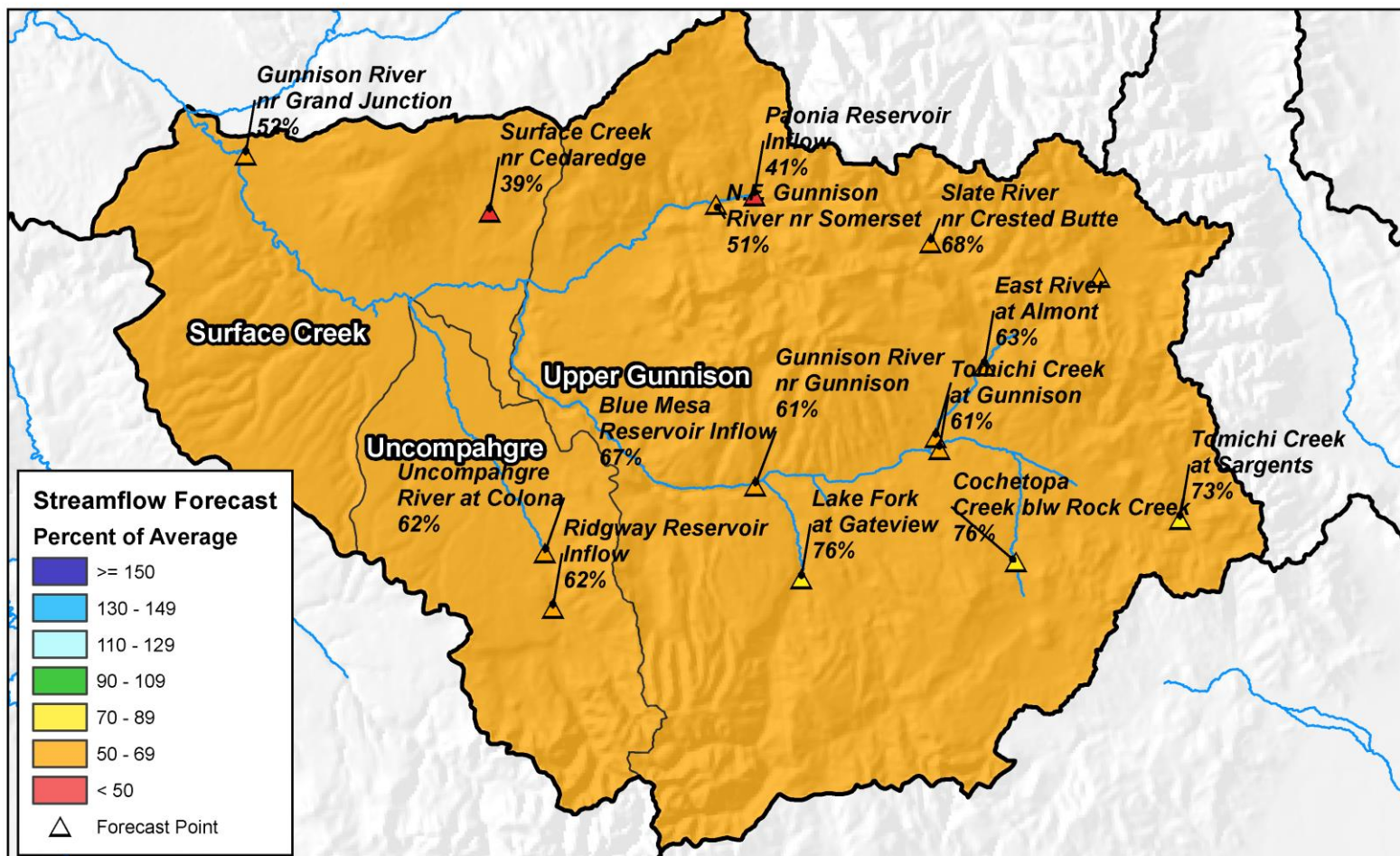
Gunnison River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Feb 12, 2021



Gunnison River Basin Water Supply Forecast Summary

February 1, 2021

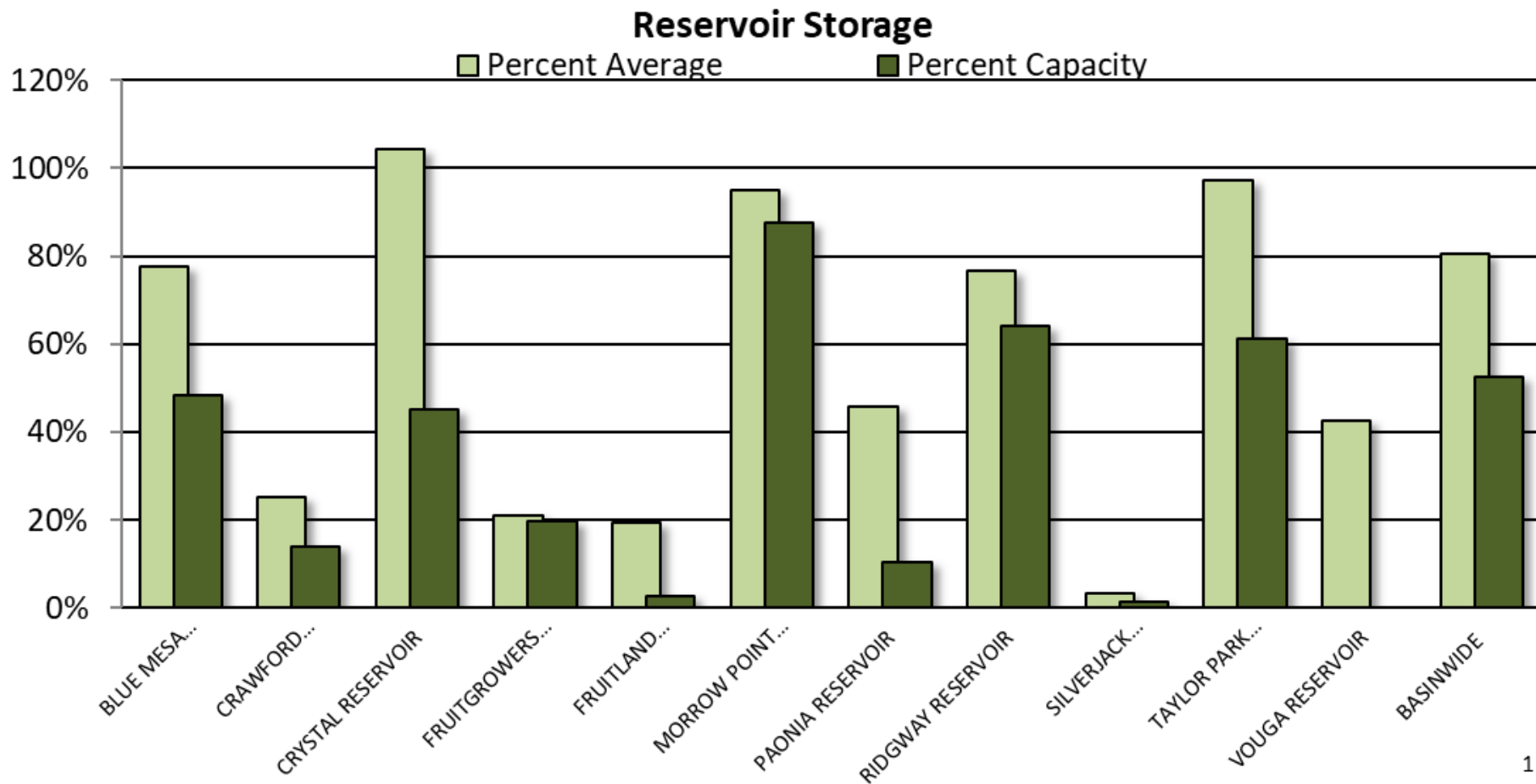


0 5 10 20 30 40 Miles



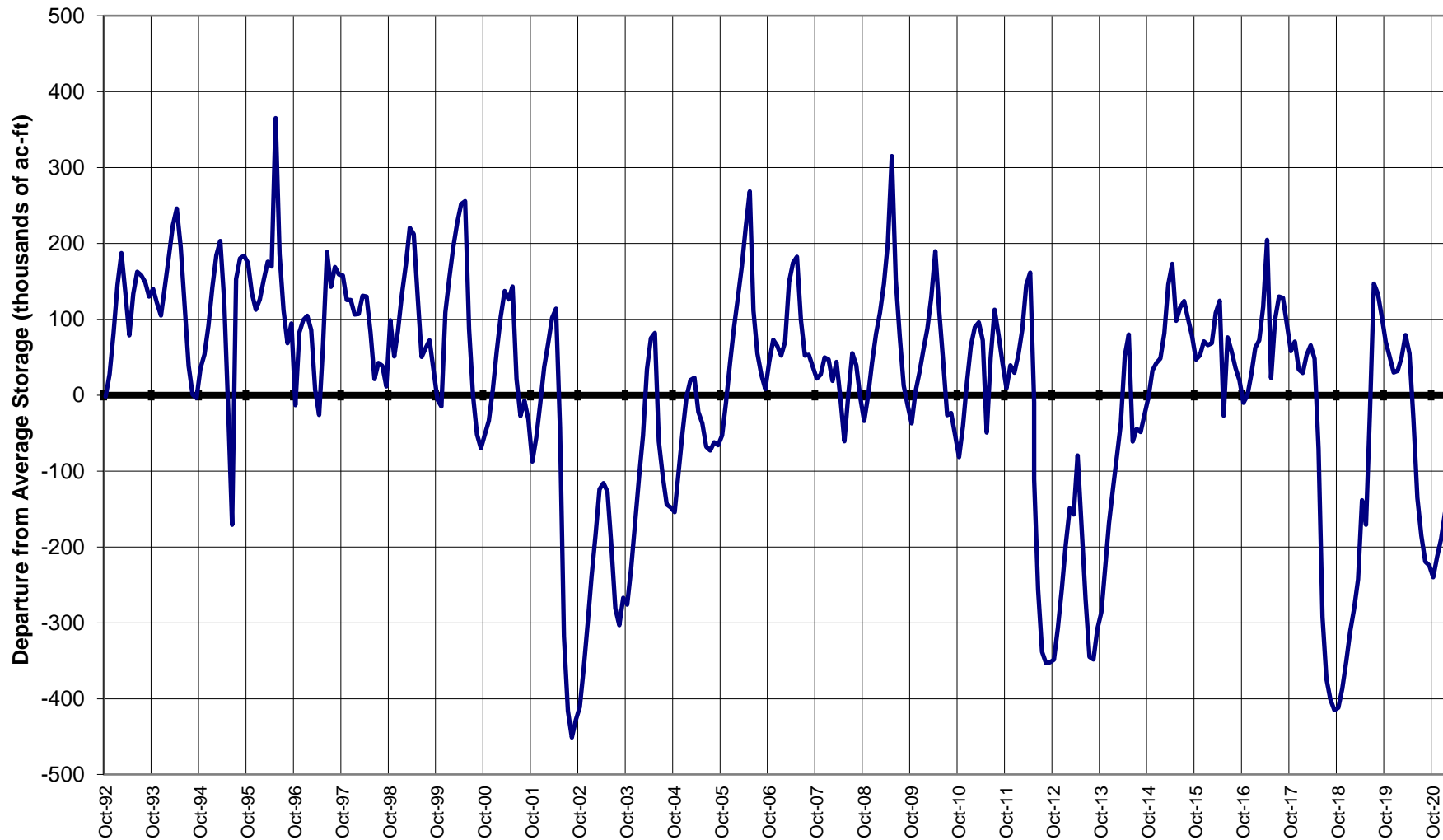
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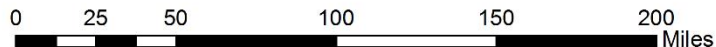
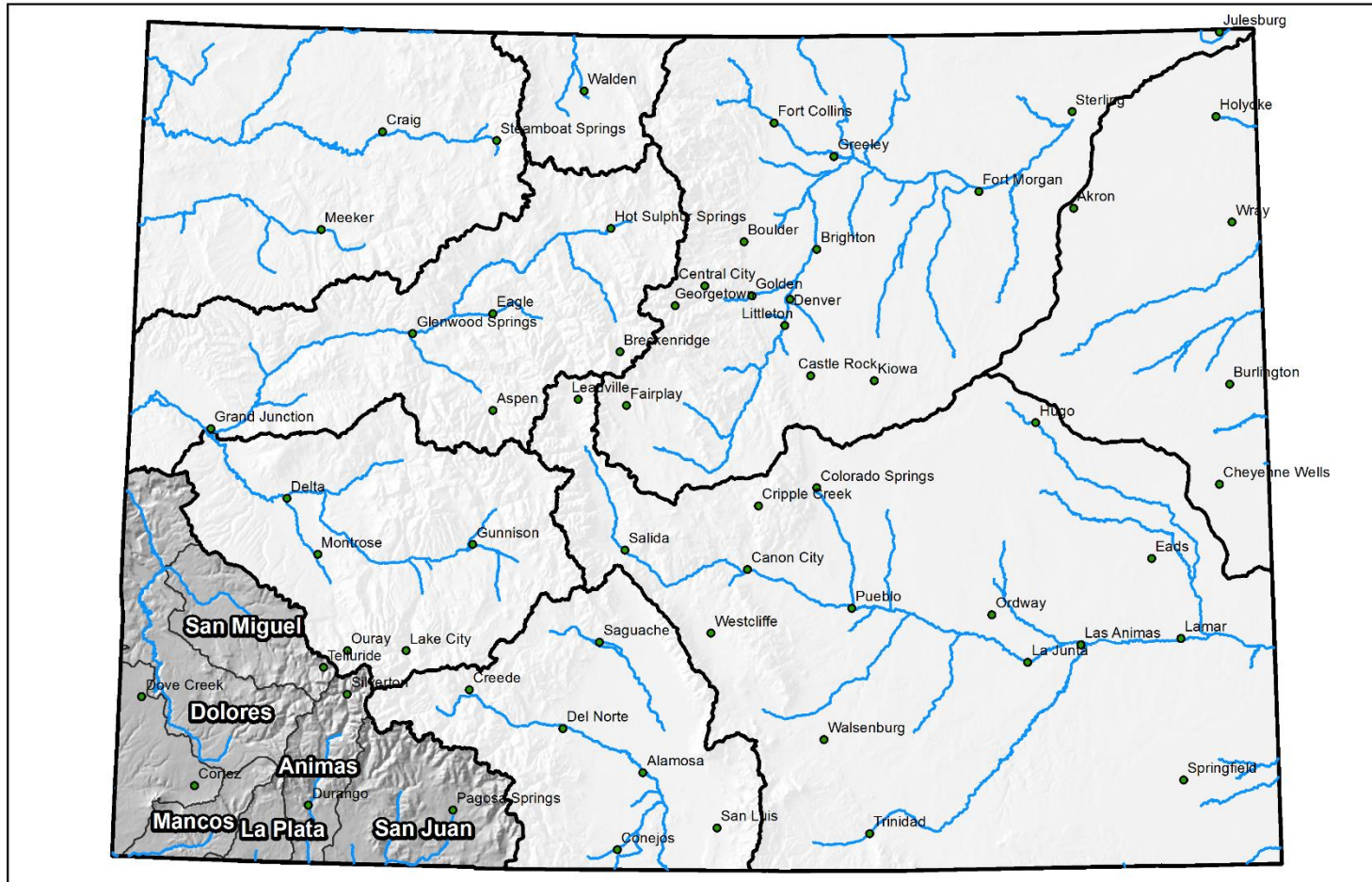


GUNNISON RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

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





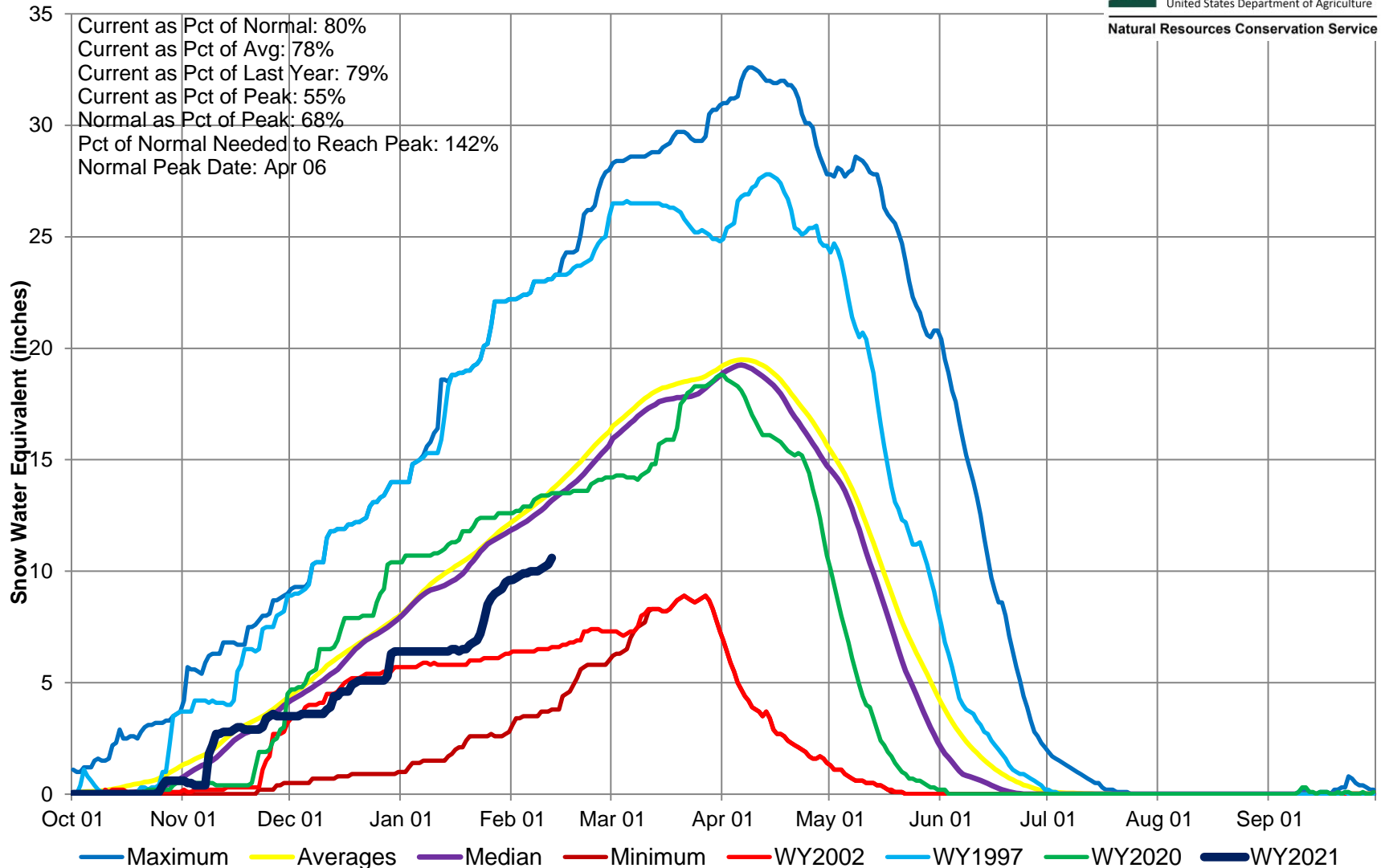
San Miguel, Dolores, Animas and San Juan River Basins High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Feb 12, 2021



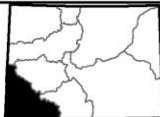
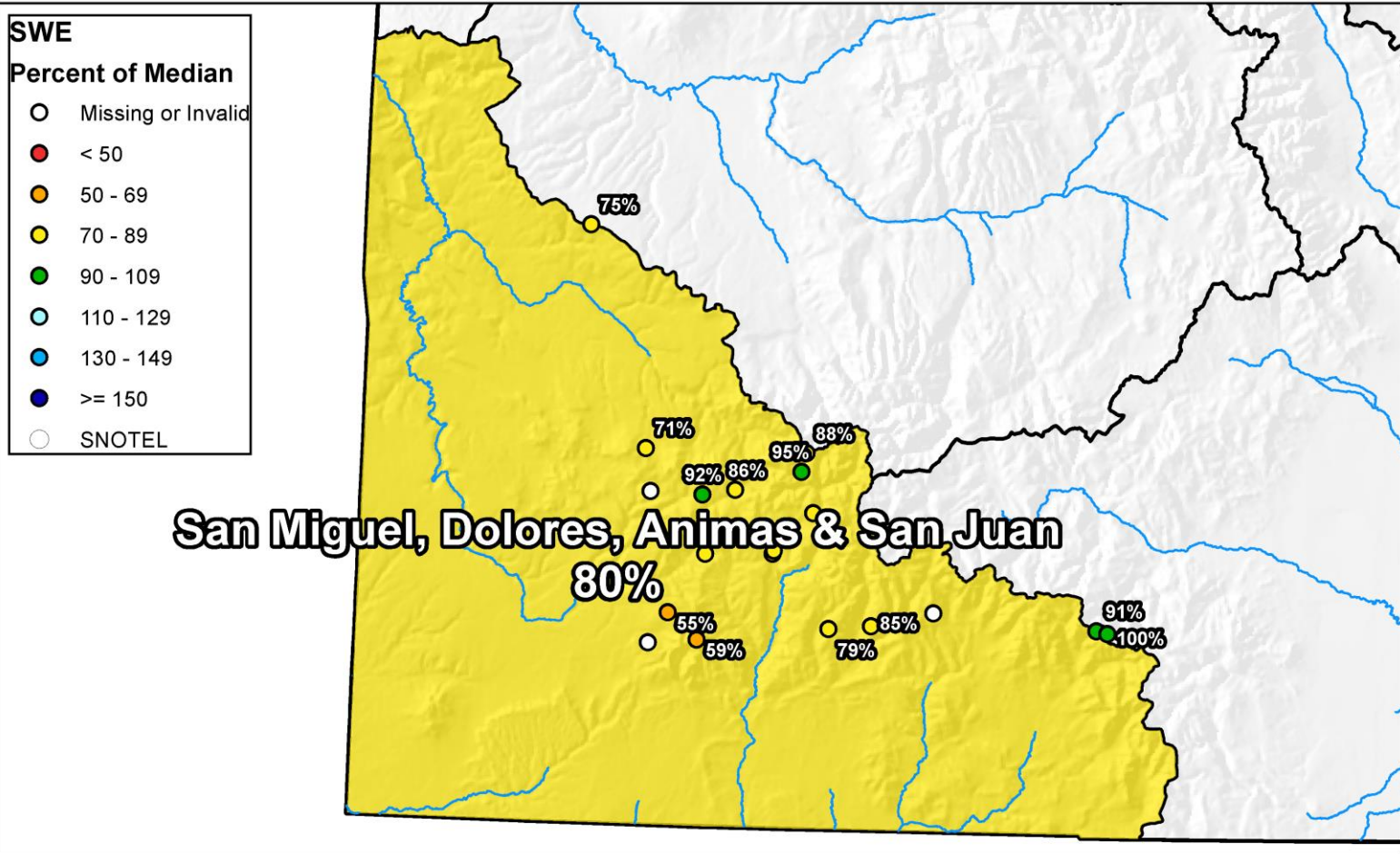
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San Miguel, Dolores, Animas, and San Juan River Basins Snow Water Equivalent (SWE) Summary

Current as of Feb 12, 2021



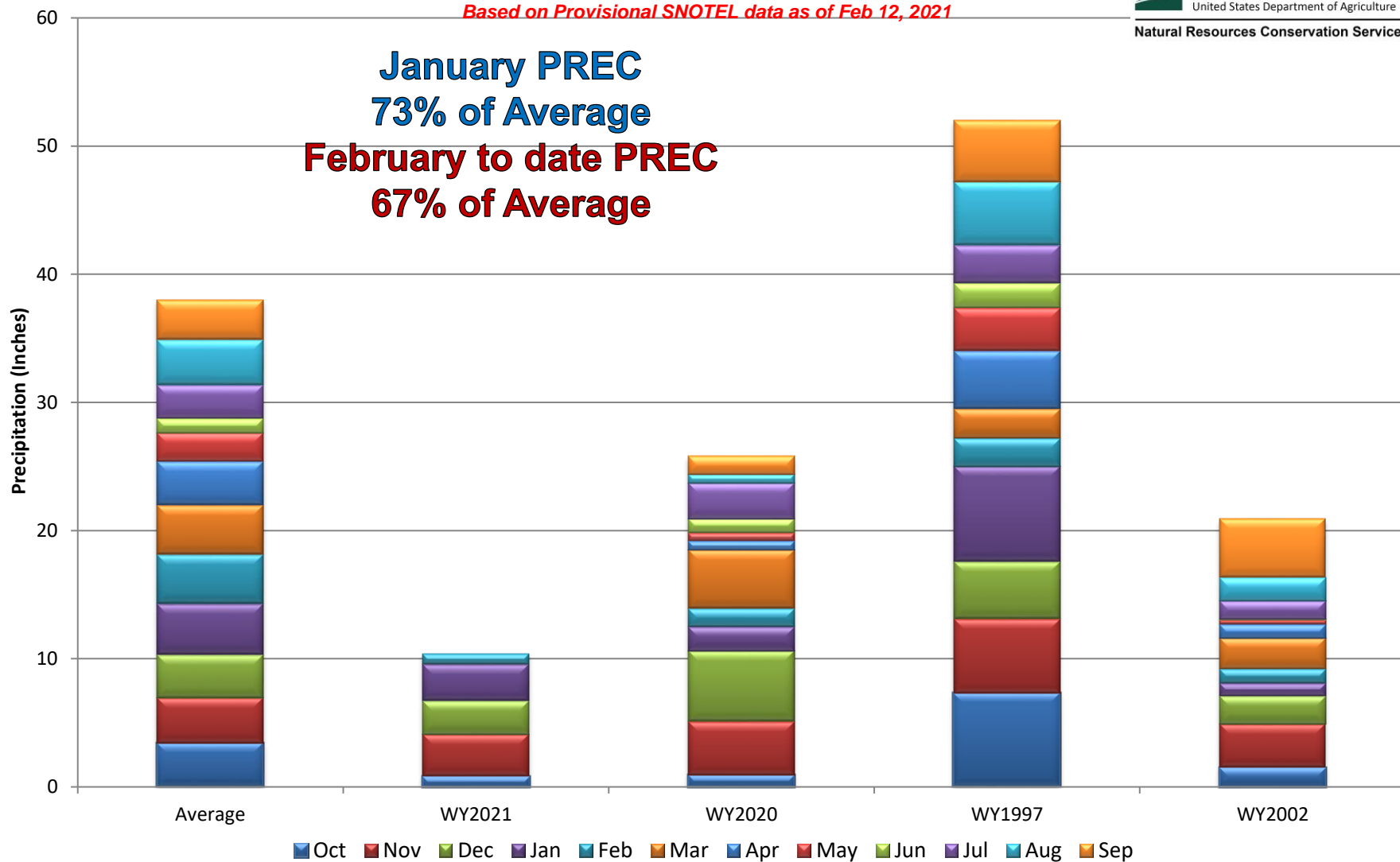
San Miguel, Dolores, Animas and San Juan River Basins High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Feb 12, 2021



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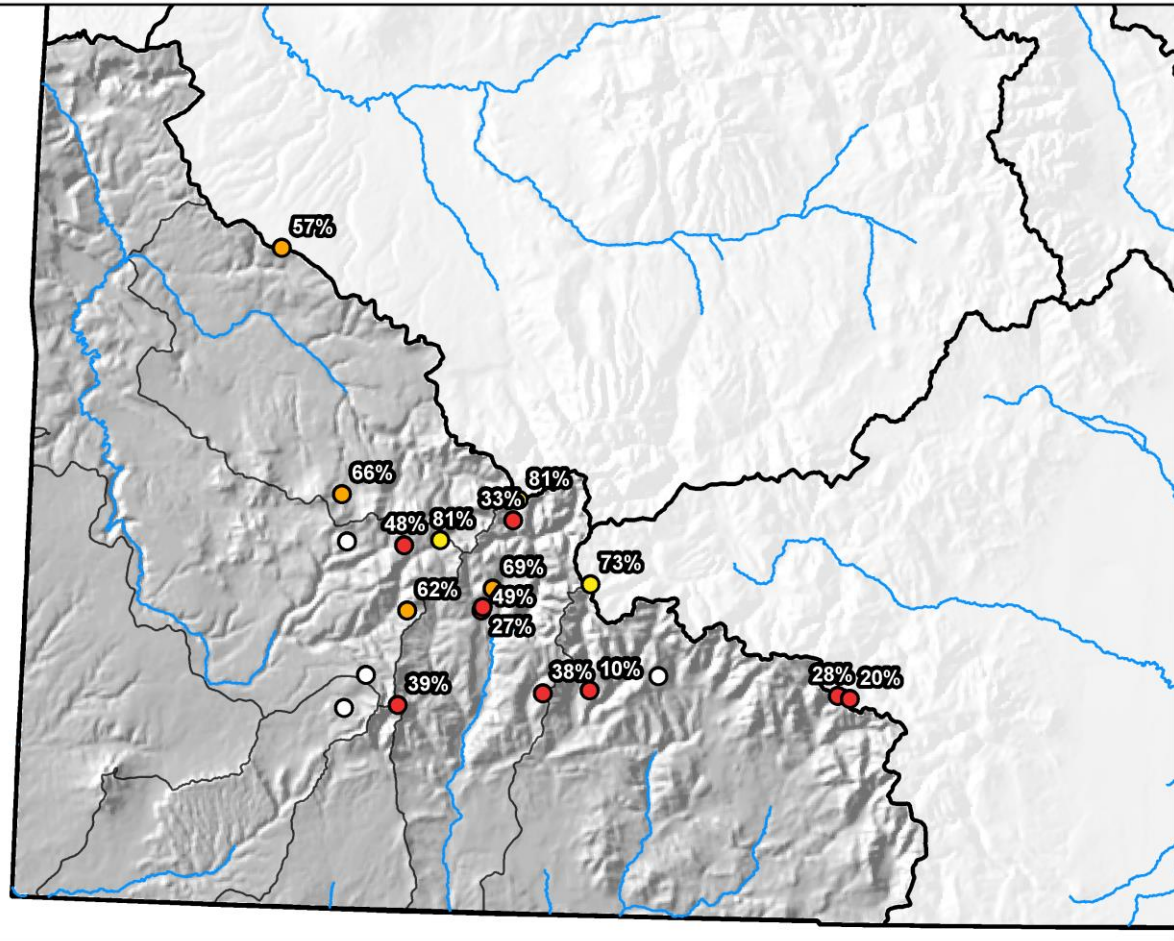


San Miguel, Dolores, Animas, and San Juan River Basins Month to Date Precipitation Summary

Current as of Feb 12, 2021

MTD Precipitation Percent of Average

- Missing or Invalid
- < 50
- 50 - 69
- 70 - 89
- 90 - 109
- 110 - 129
- 130 - 149
- >= 150
- SNOTEL



0 10 20 40 60 80 Miles



San Miguel, Dolores, Animas and San Juan River Basins

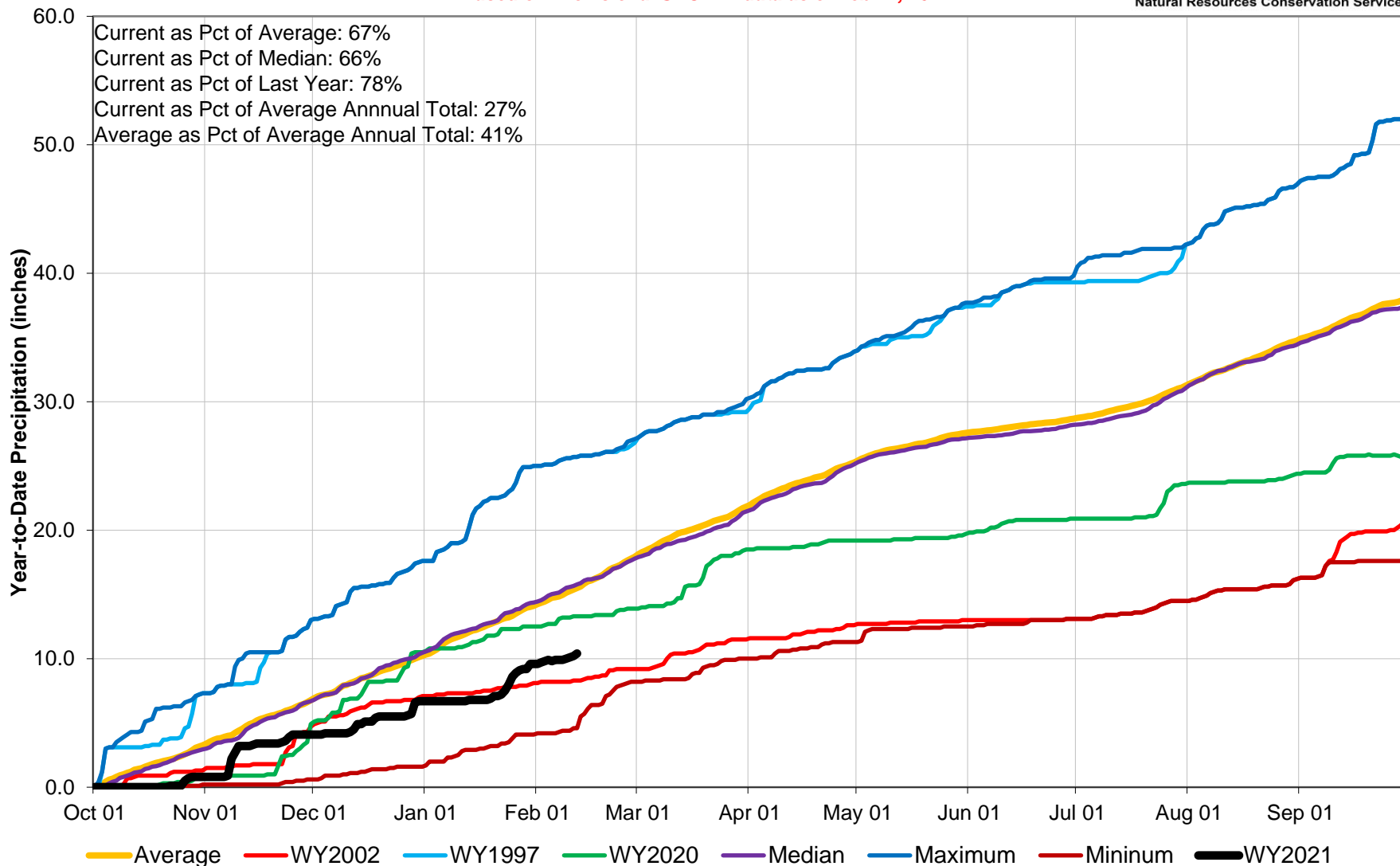
High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Feb 12, 2021



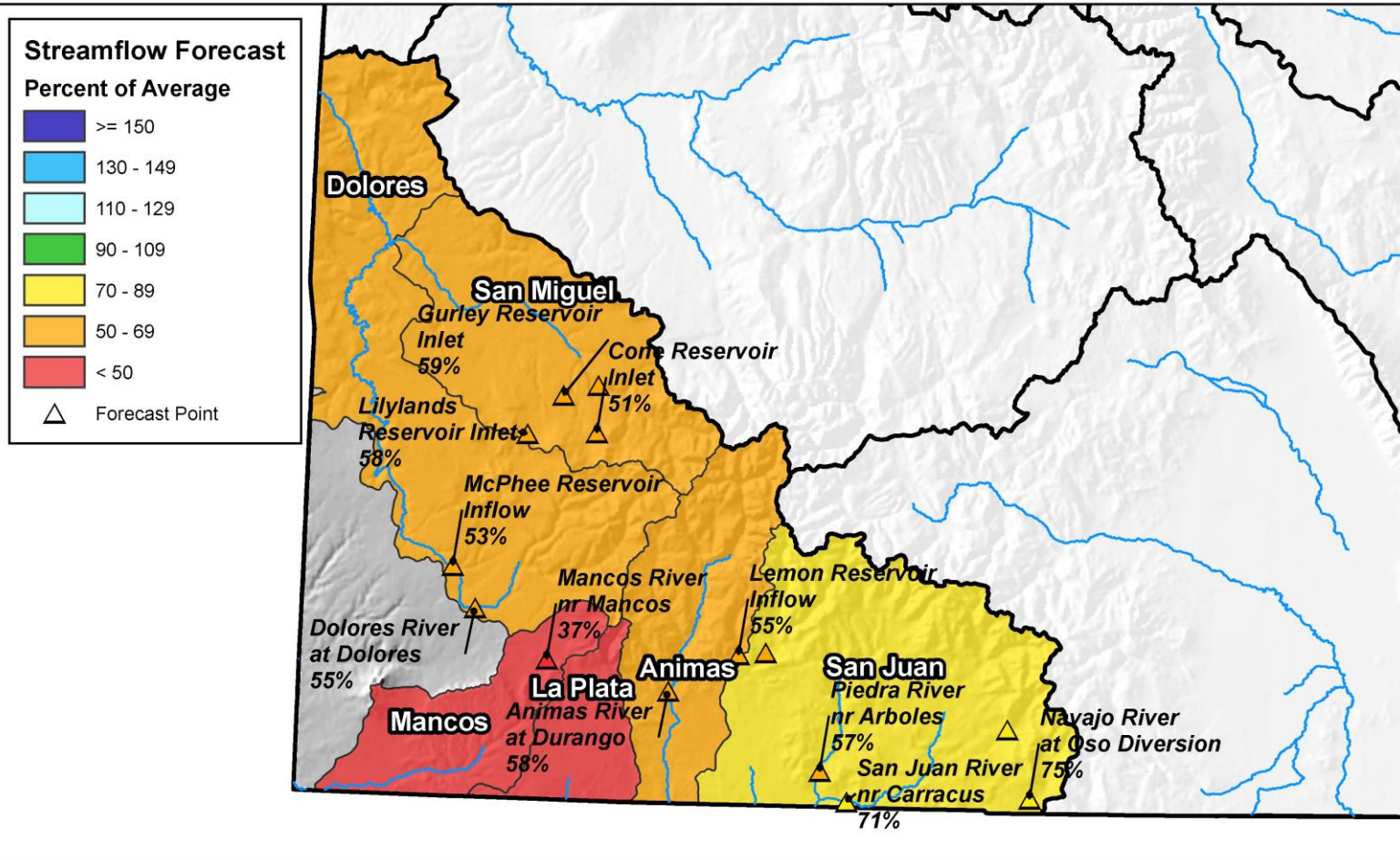
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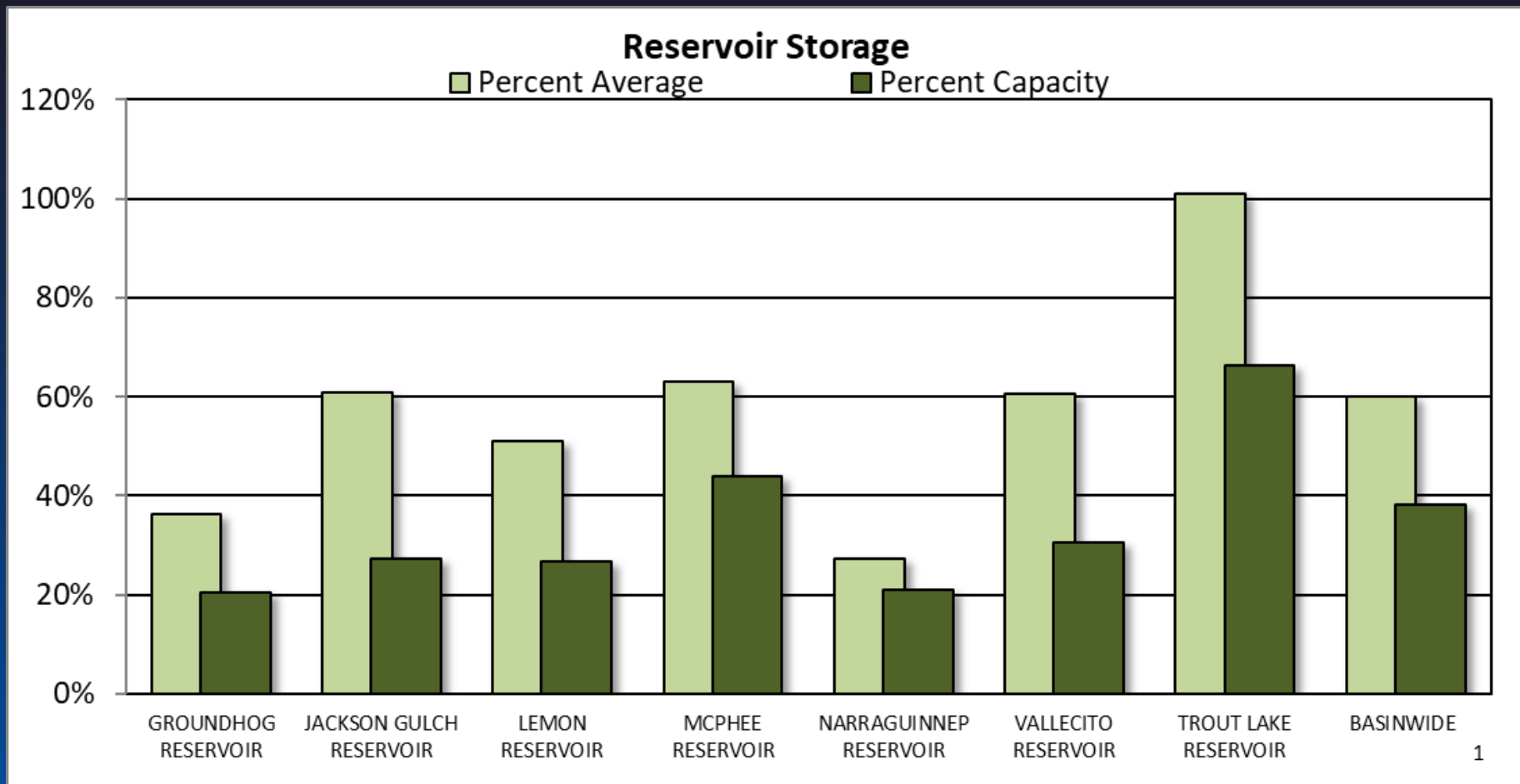


San Miguel, Dolores, Animas, and San Juan River Basins Streamflow Forecast Summary

February 1, 2021

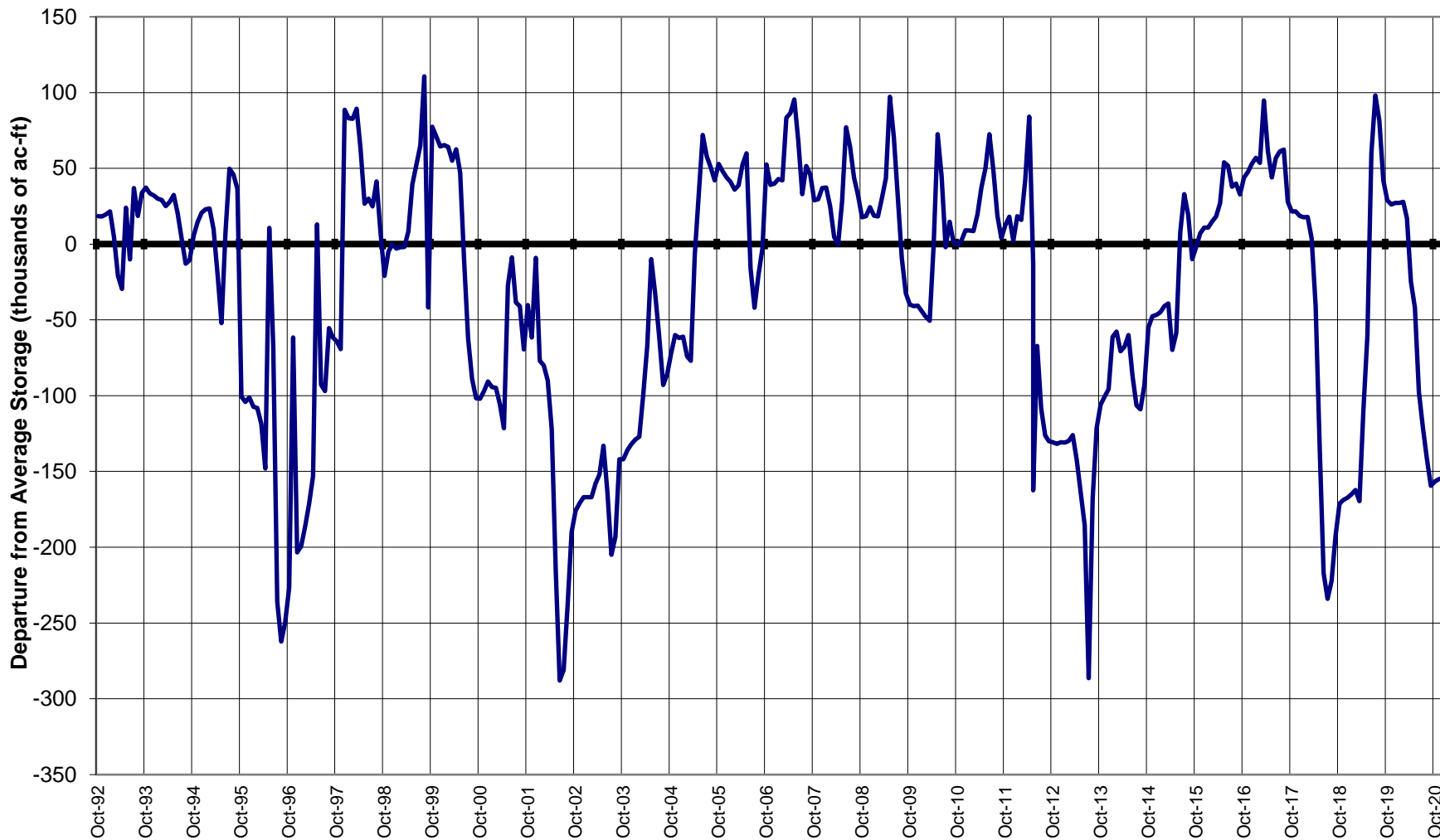


0 12.5 25 50 75 100 Miles



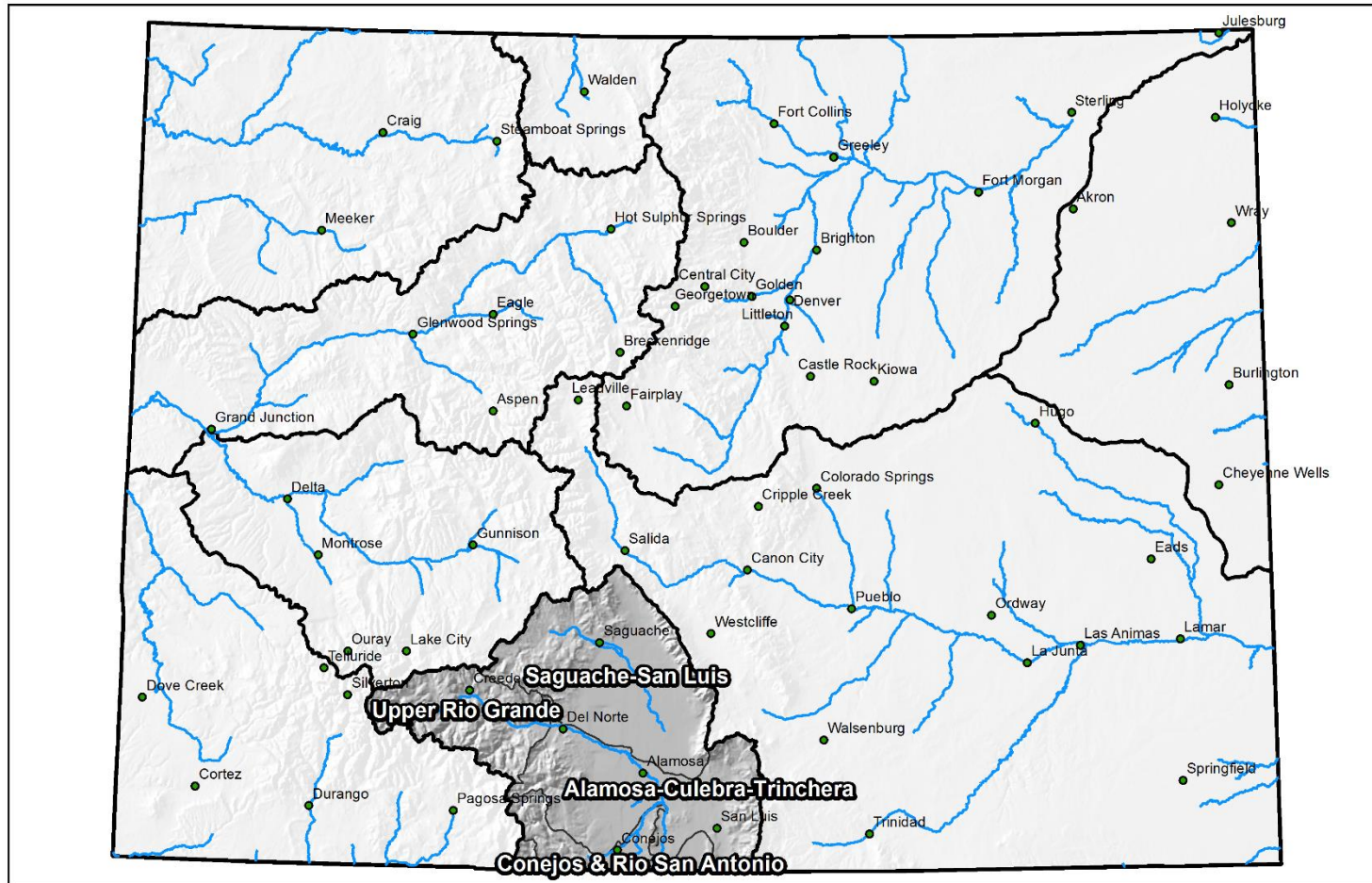
SAN MIGUEL, DOLORES, ANIMAS AND SAN JUAN RIVER BASINS

Reservoir Storage
Departure from Average



Major Basin Summary

Upper Rio Grande River Basin



0 25 50 100 150 200 Miles



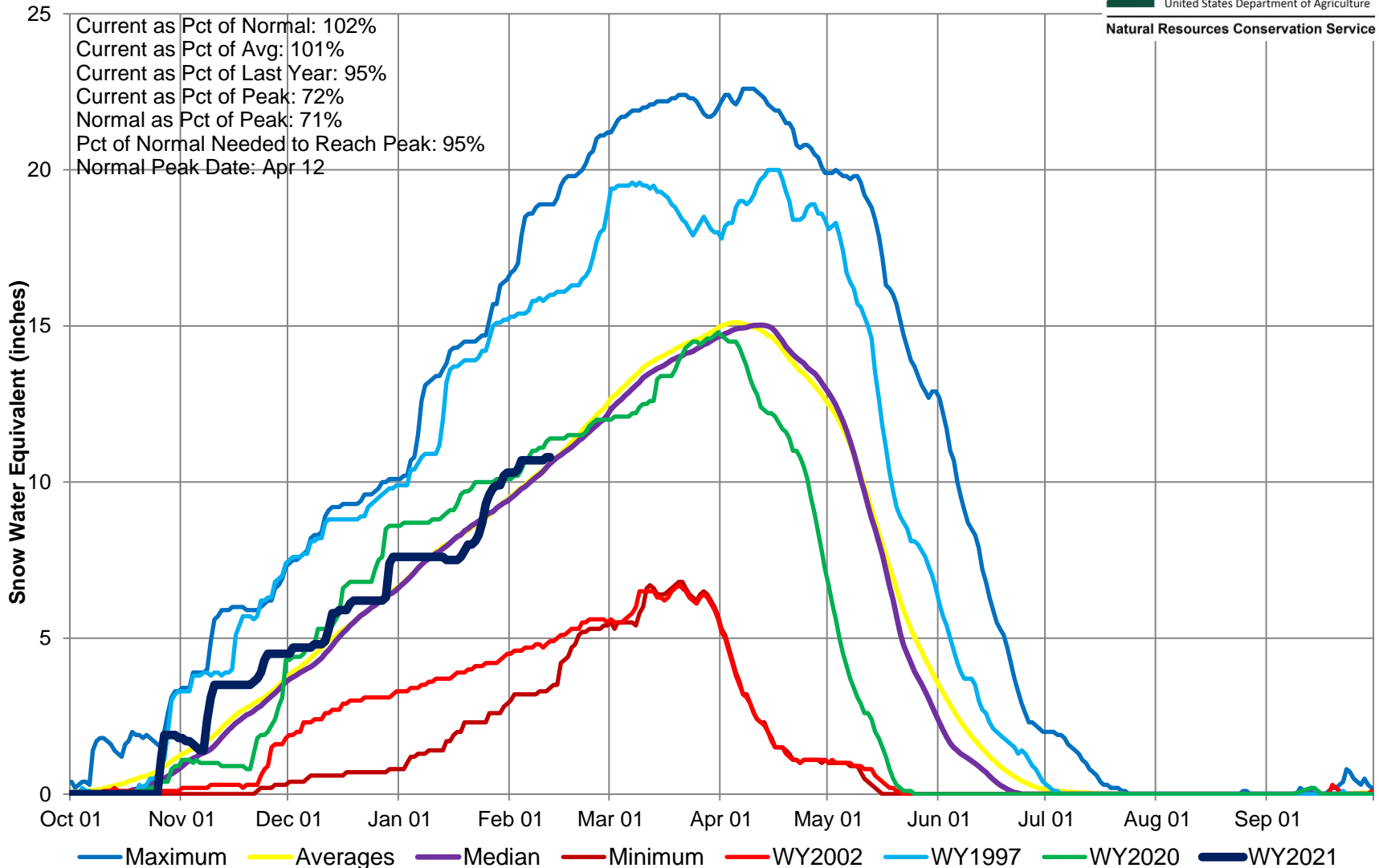
Upper Rio Grande Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Feb 12, 2021



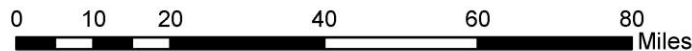
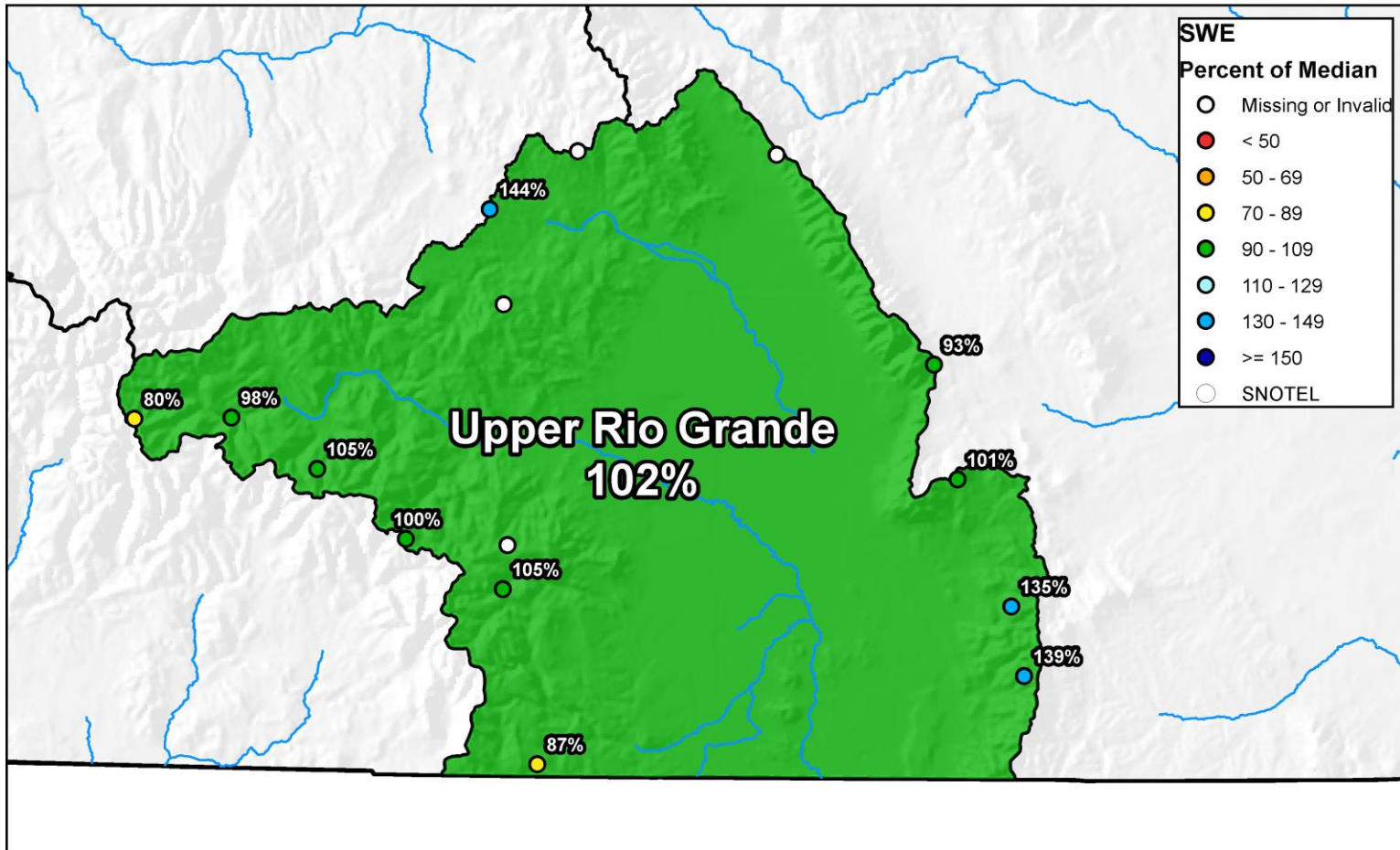
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Upper Rio Grande River Basin Snow Water Equivalent (SWE) Summary

Current as of Feb 12, 2021





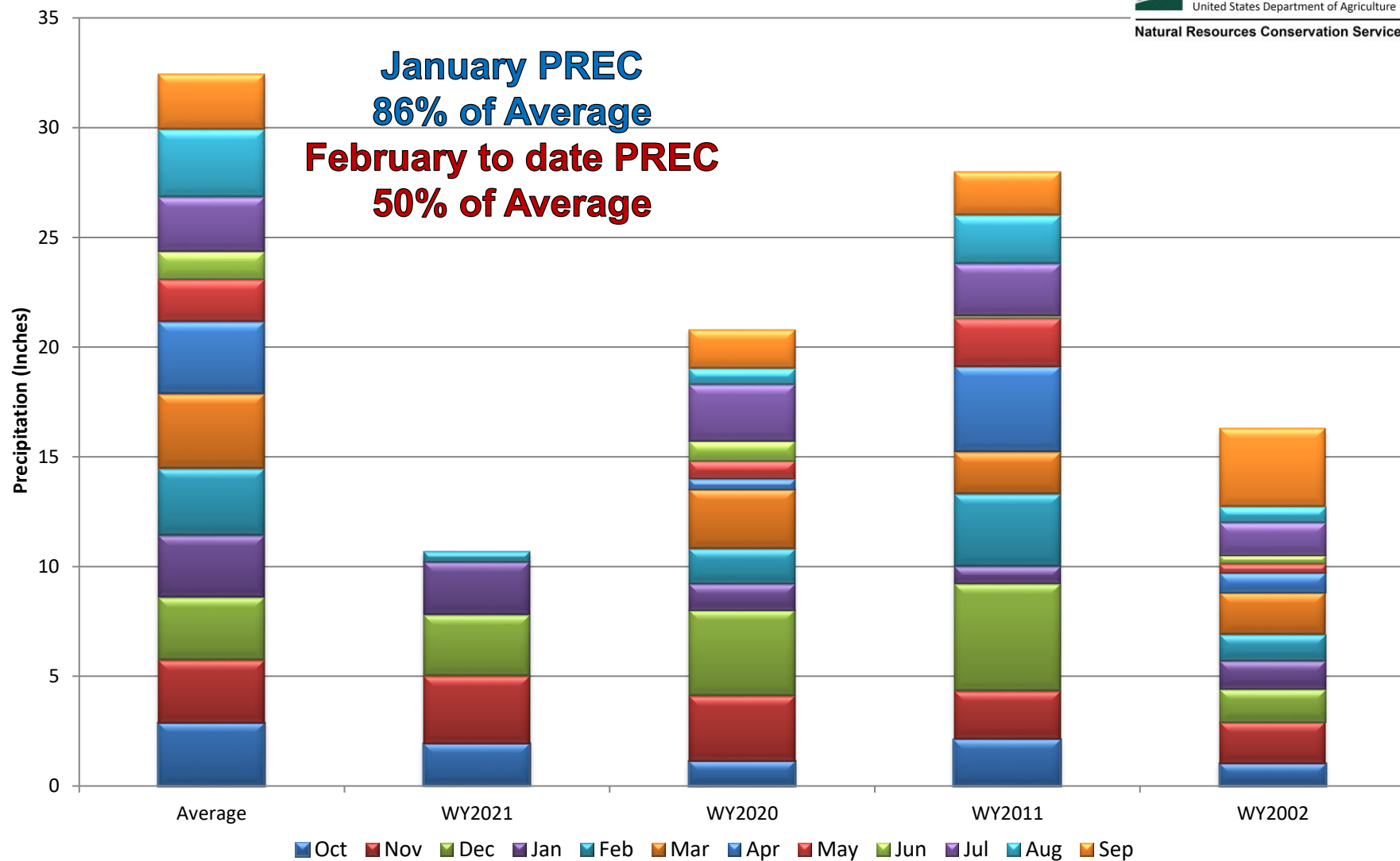
Upper Rio Grande River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Feb 12, 2021



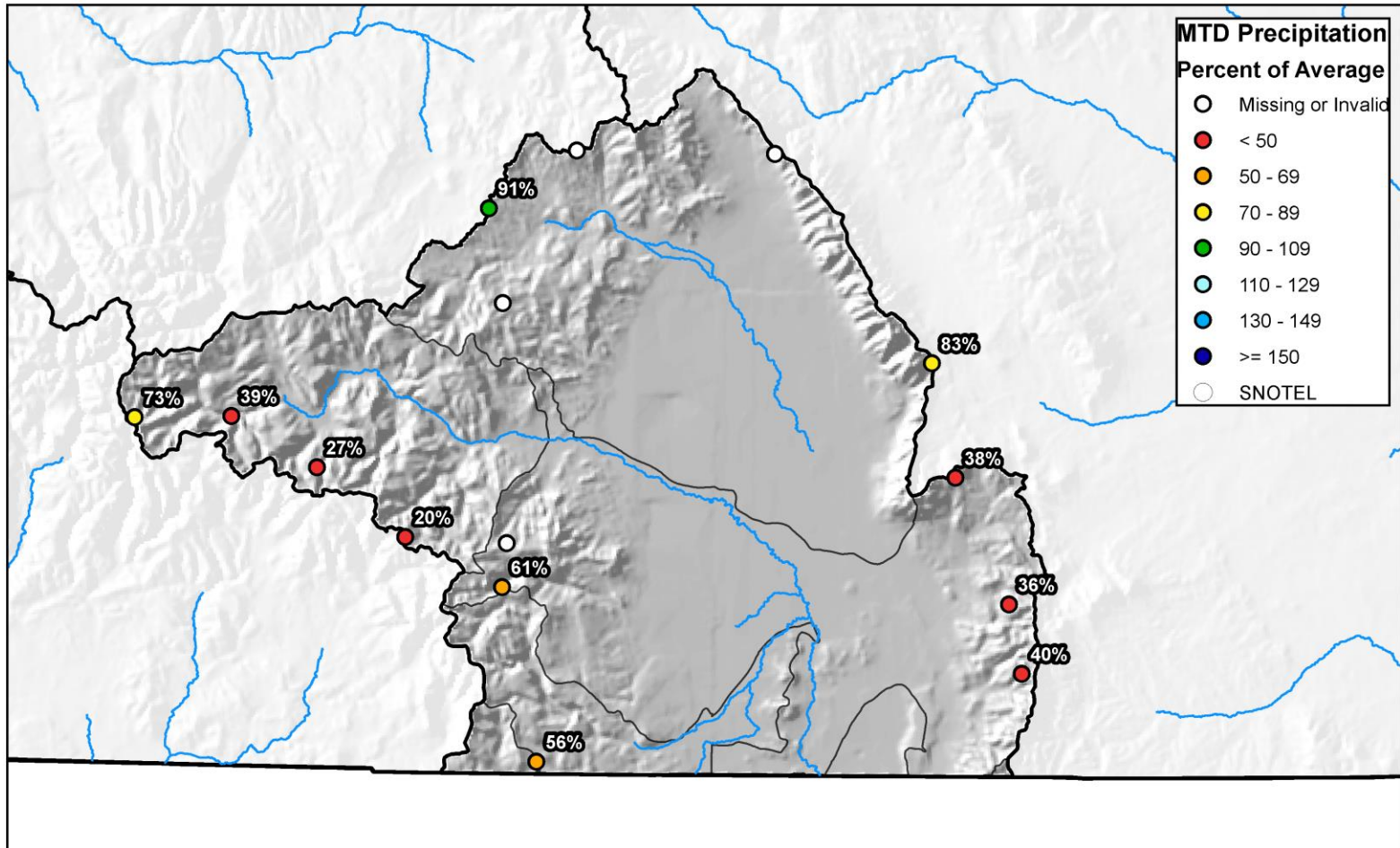
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Upper Rio Grande River Basin Month to Date Precipitation Summary

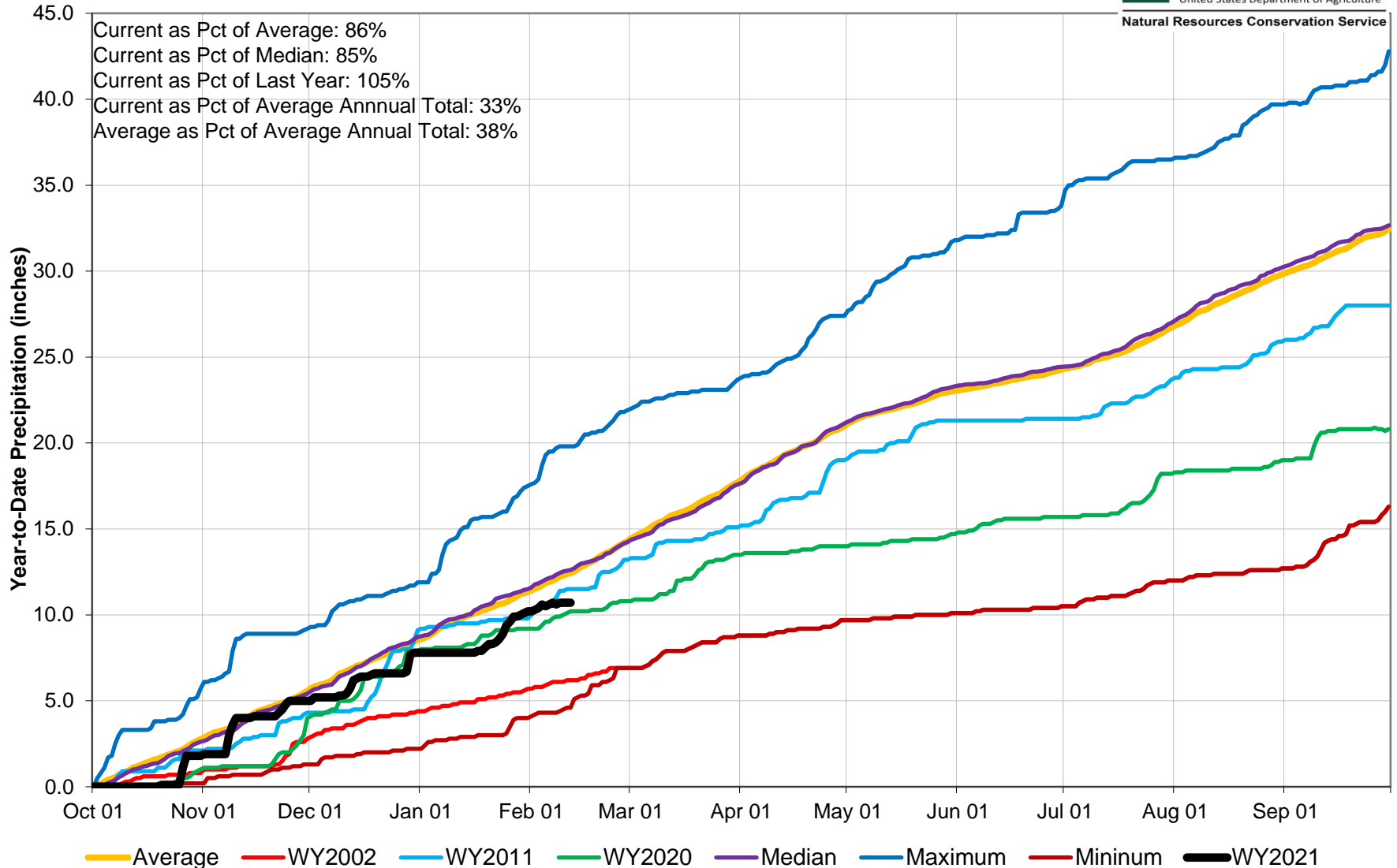
Current as of Feb 12, 2021





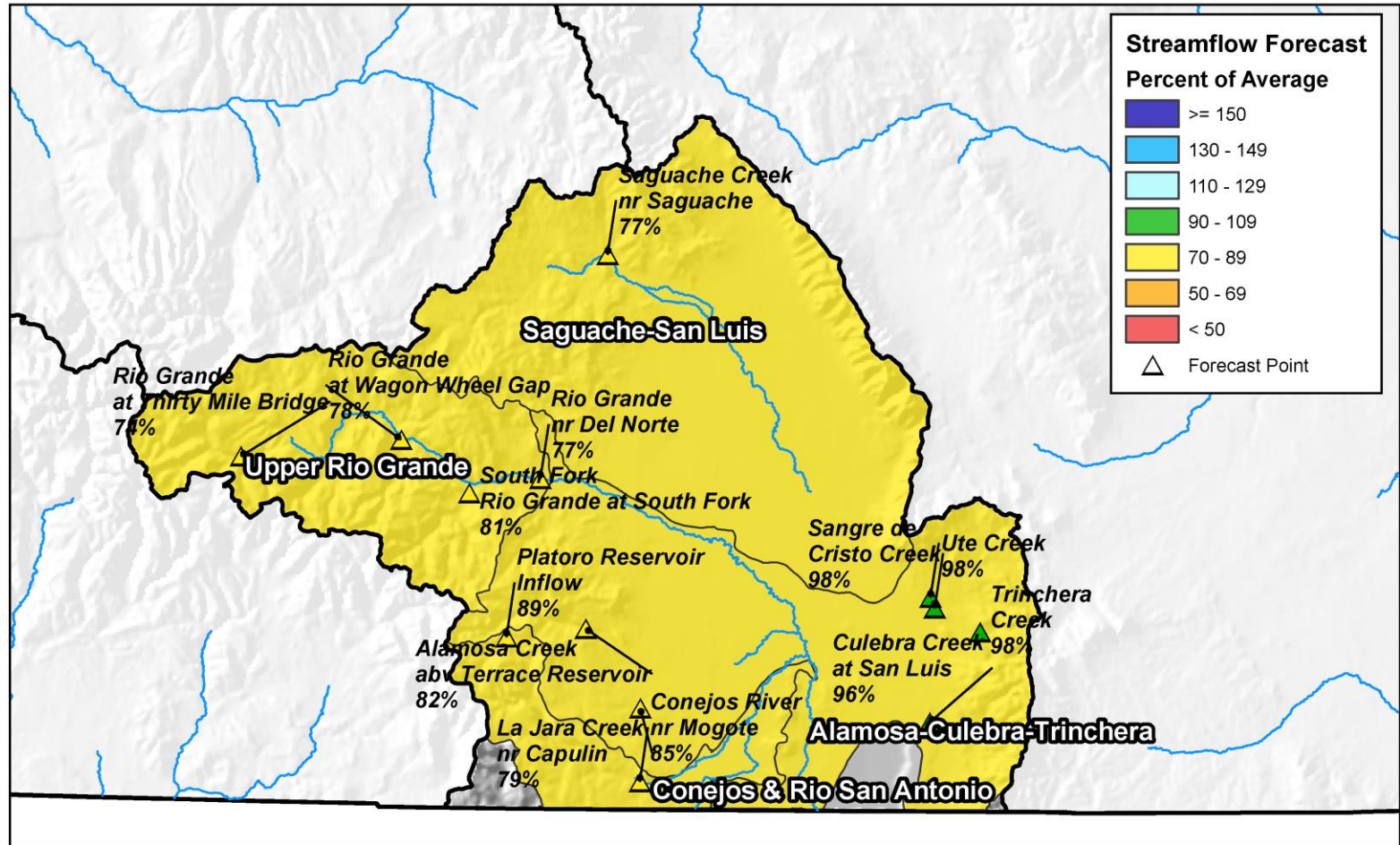
Upper Rio Grande River Basin High/Low Year-to-Date Precipitation Summary

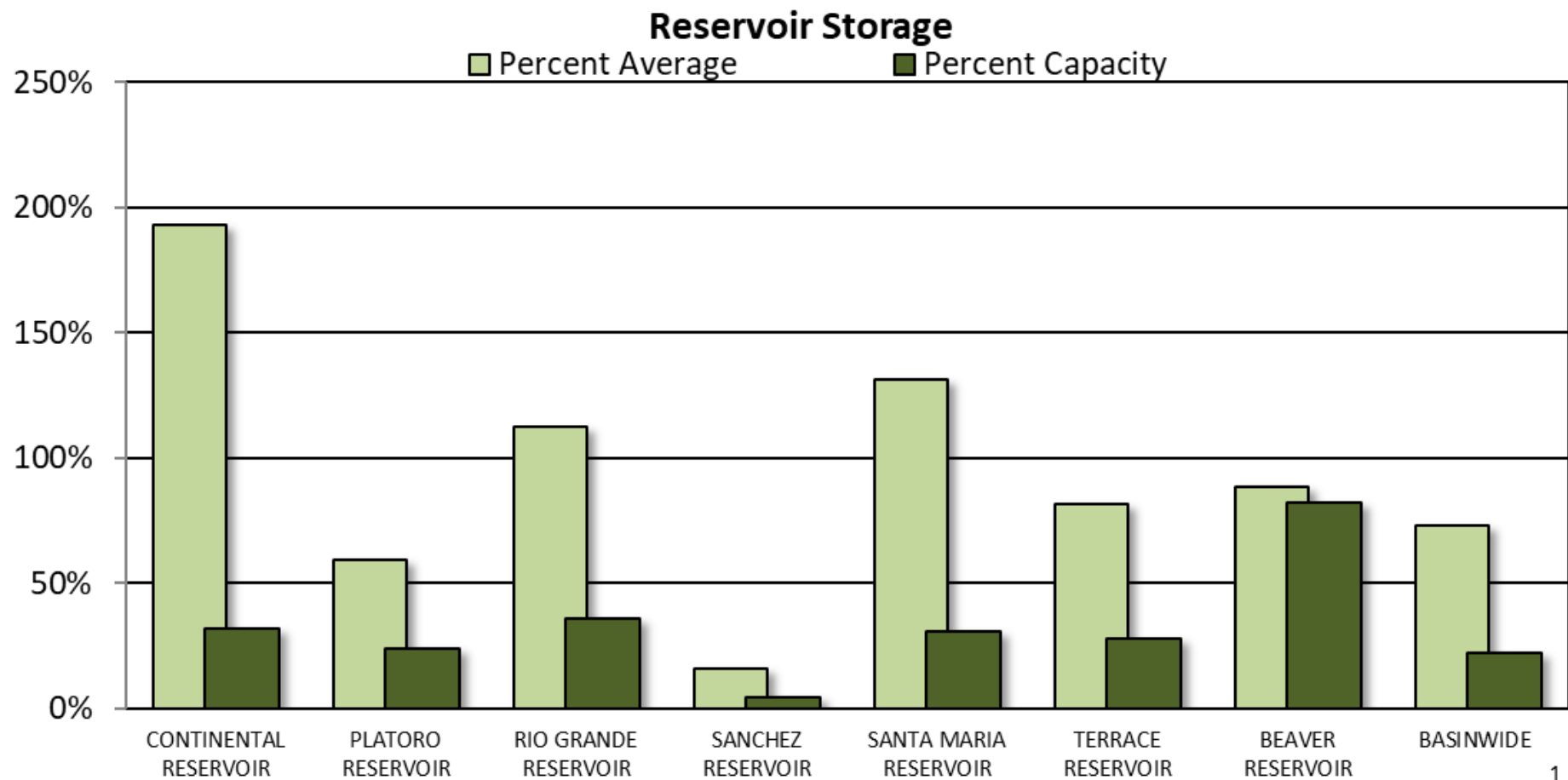
Based on Provisional SNOTEL data as of Feb 12, 2021



Upper Rio Grande River Basin Streamflow Forecast Summary

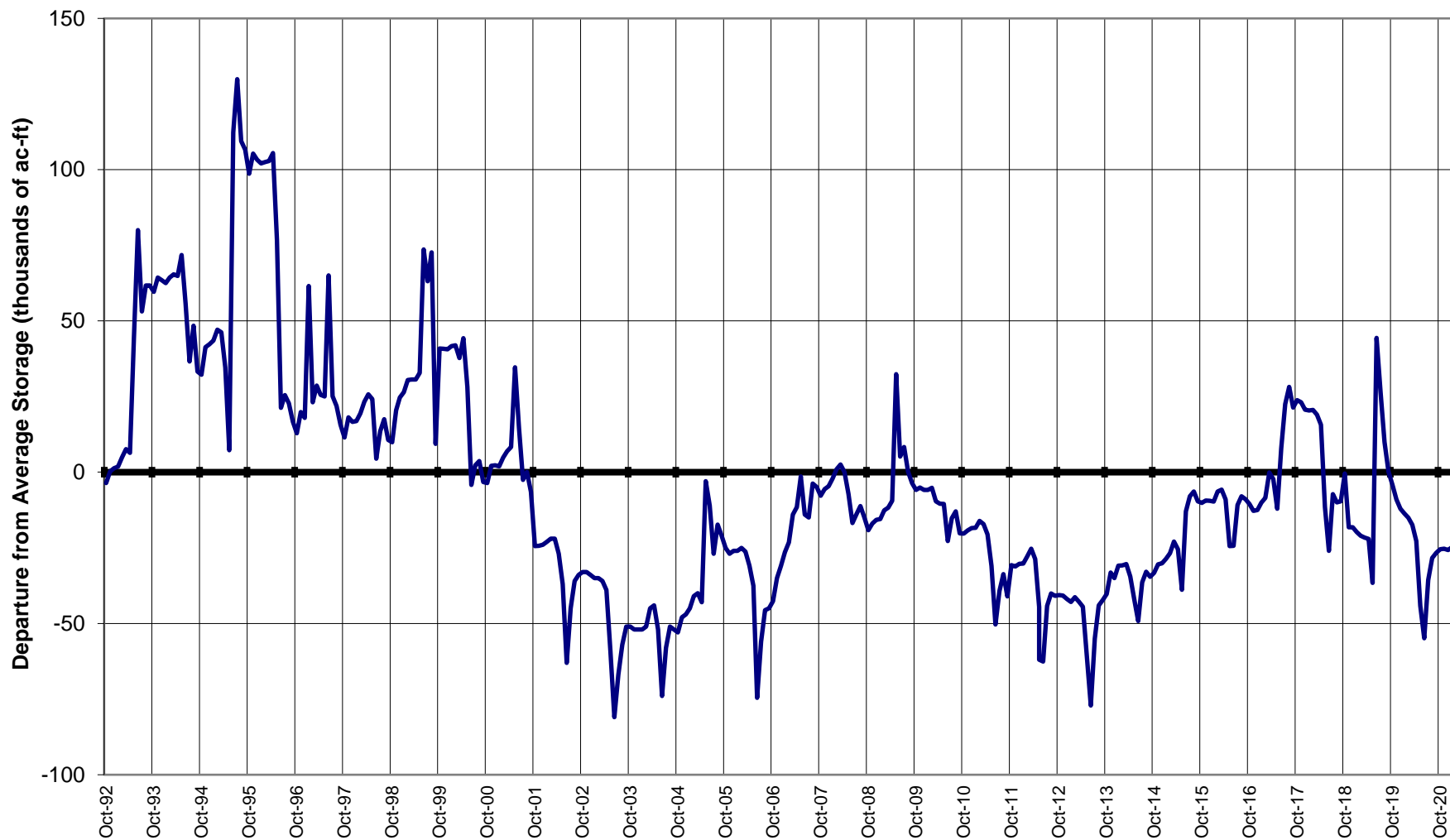
February 1, 2021





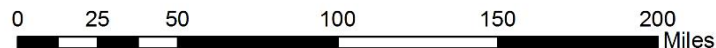
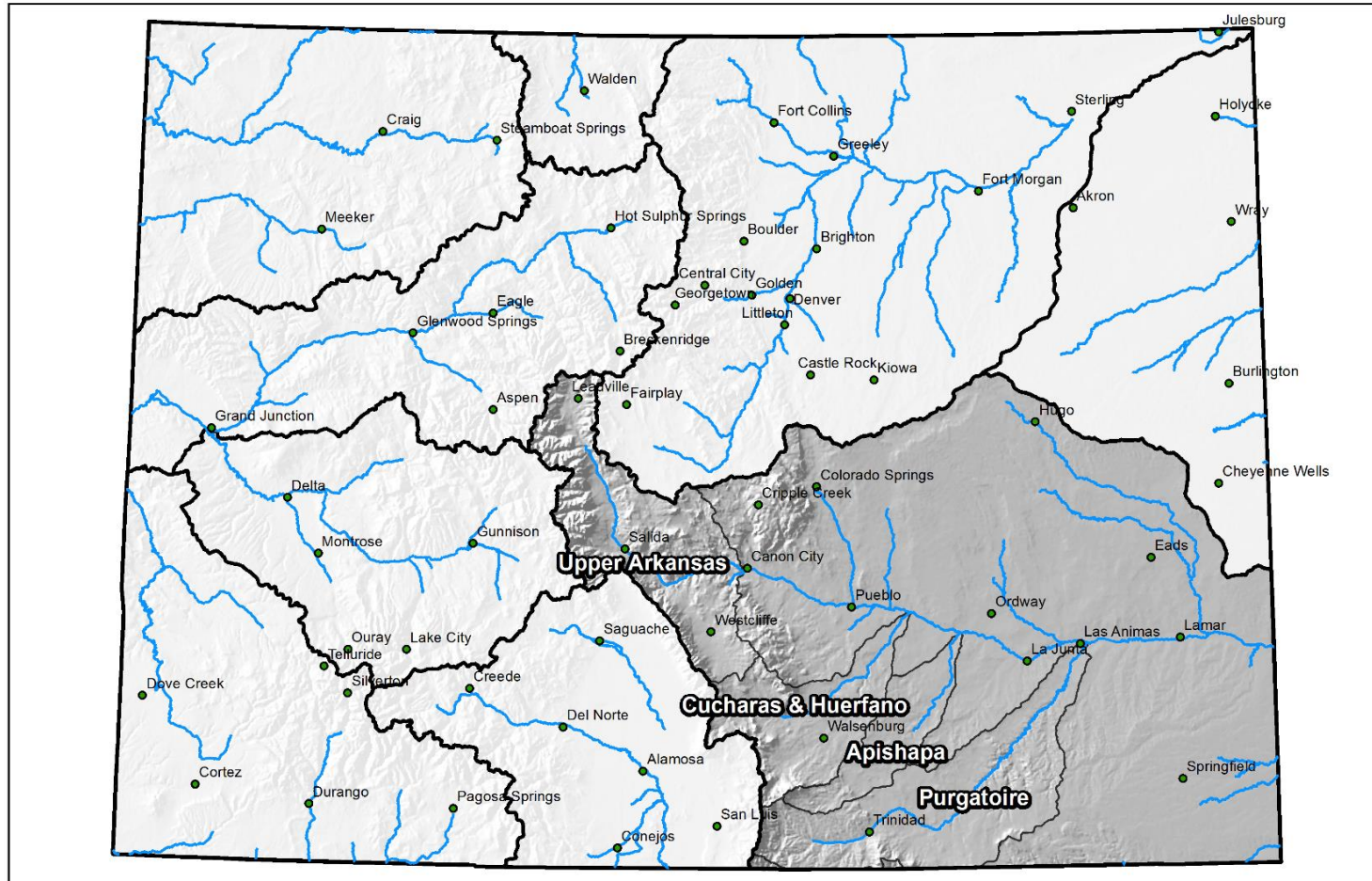


UPPER RIO GRANDE BASIN Reservoir Storage Departure from Average



Major Basin Summary

Arkansas River Basin





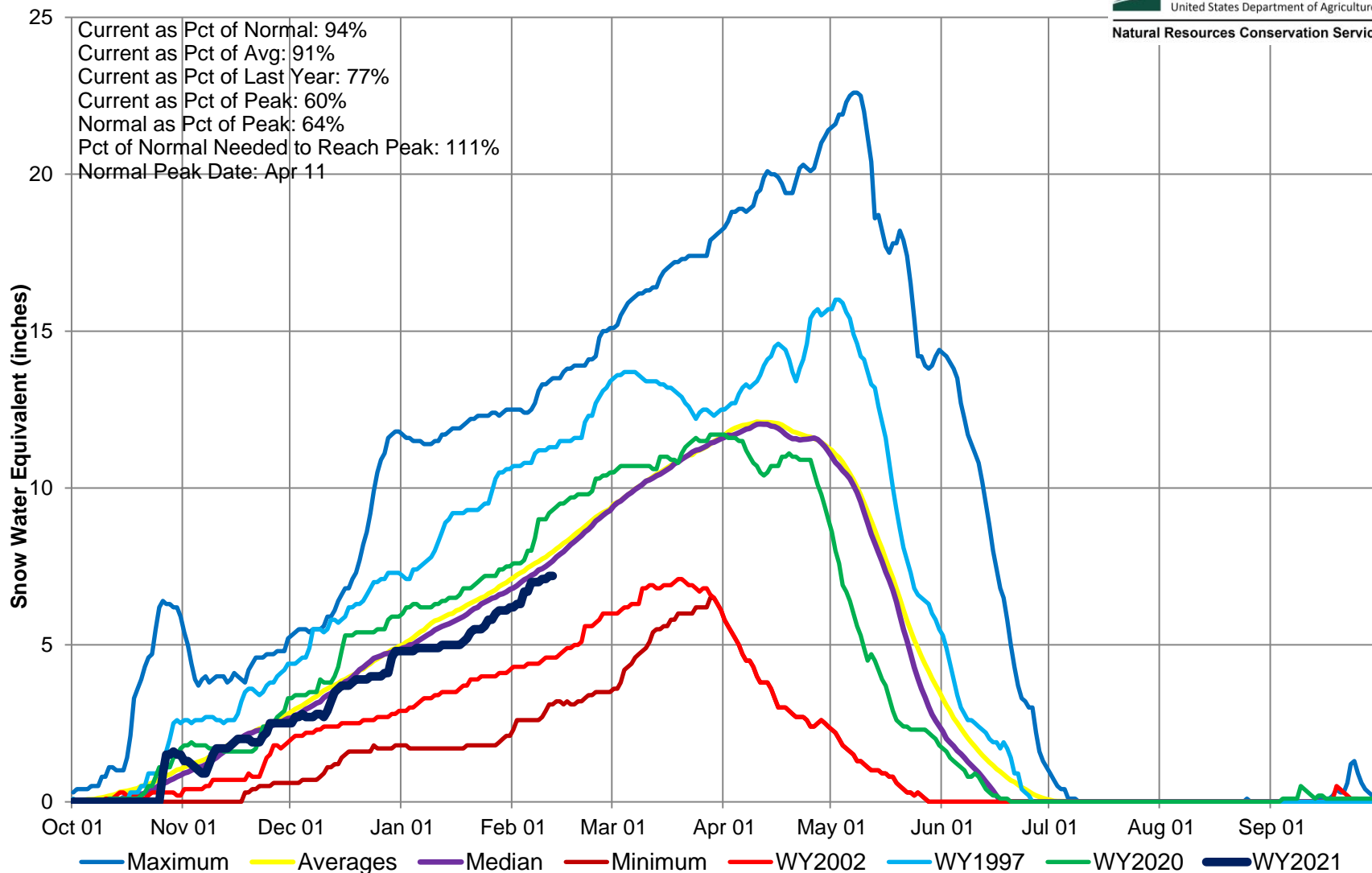
Arkansas River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Feb 12, 2021



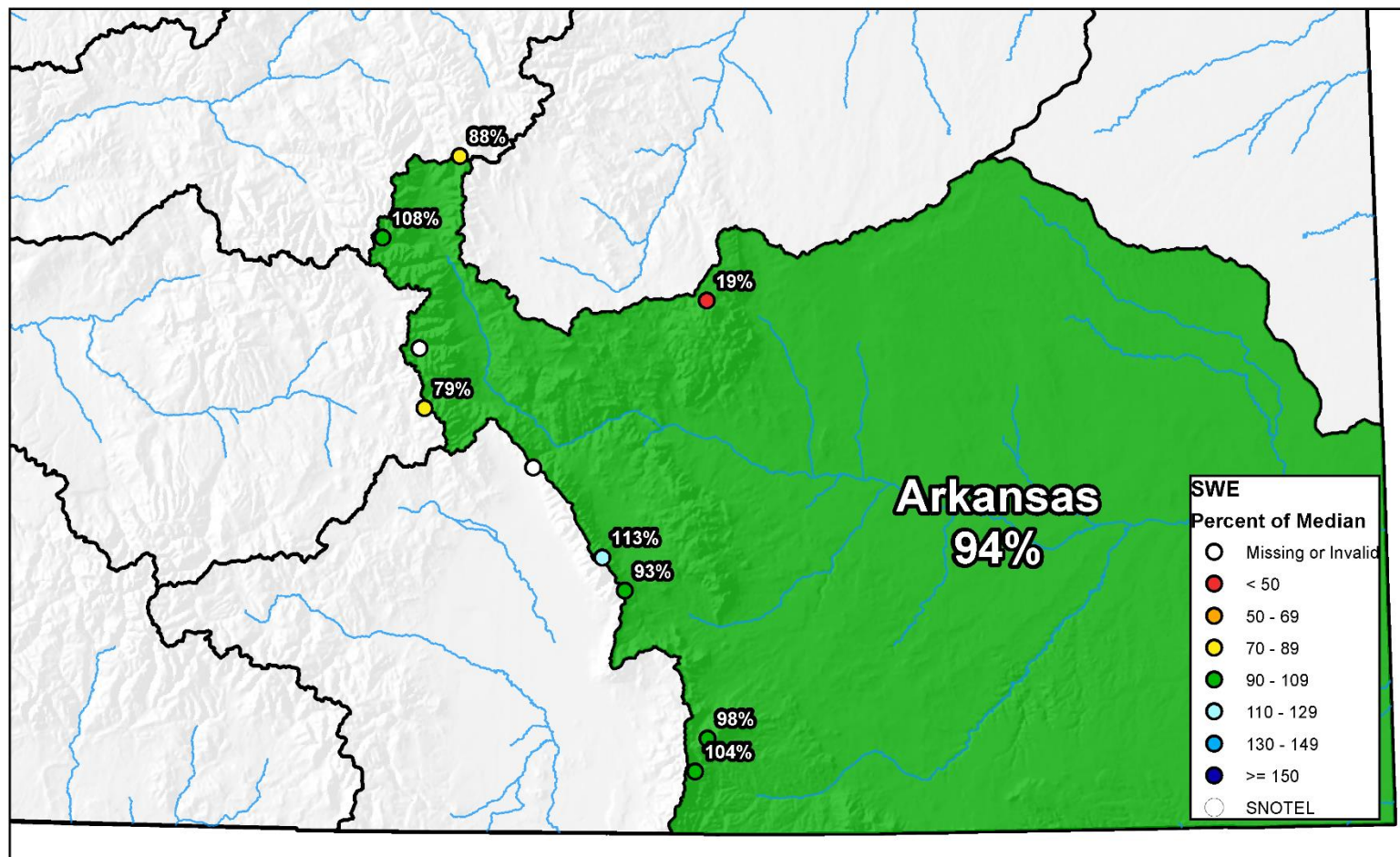
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Arkansas River Basin Snow Water Equivalent (SWE) Summary

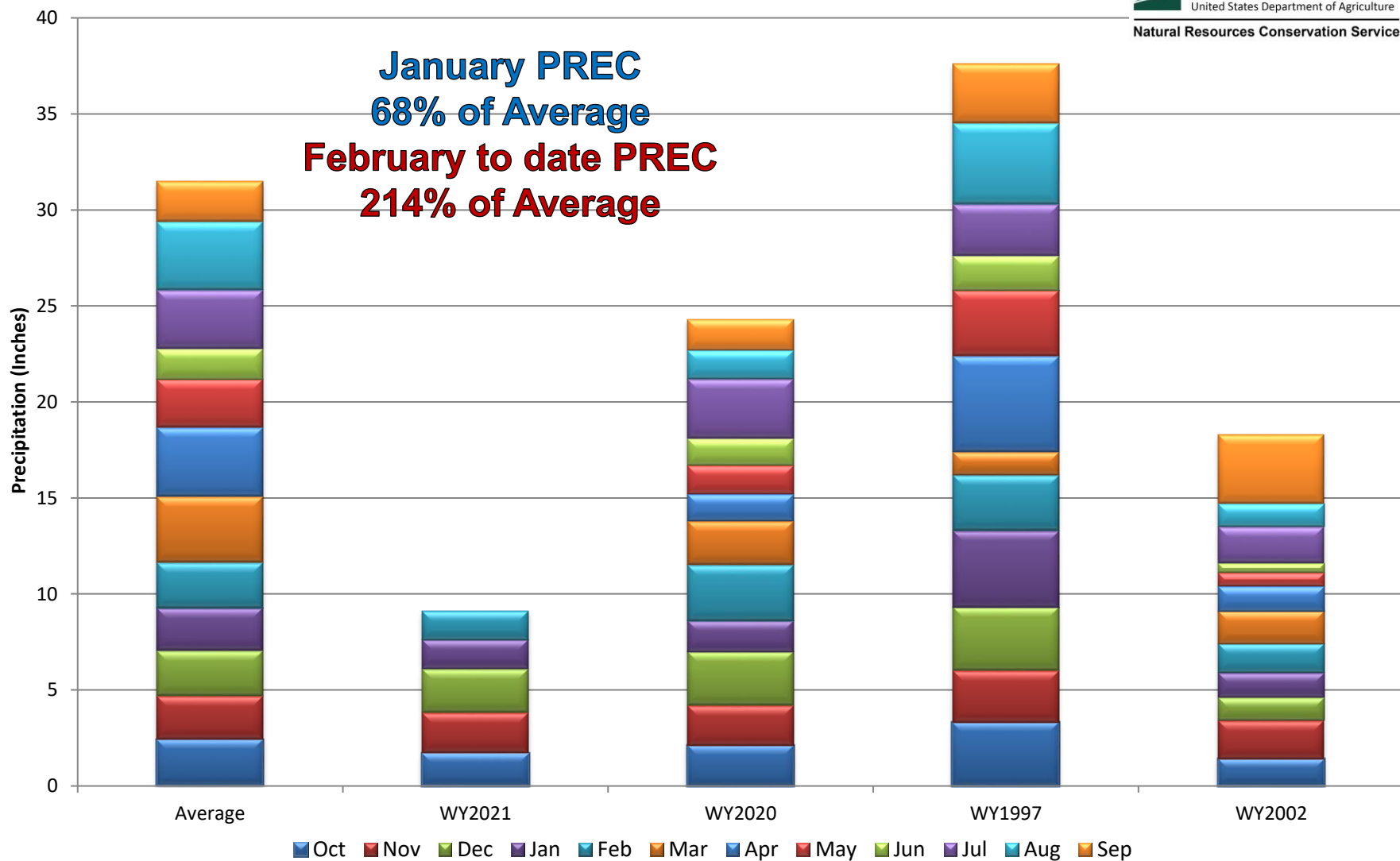
Current as of Feb 12, 2021



0 10 20 40 60 80 Miles

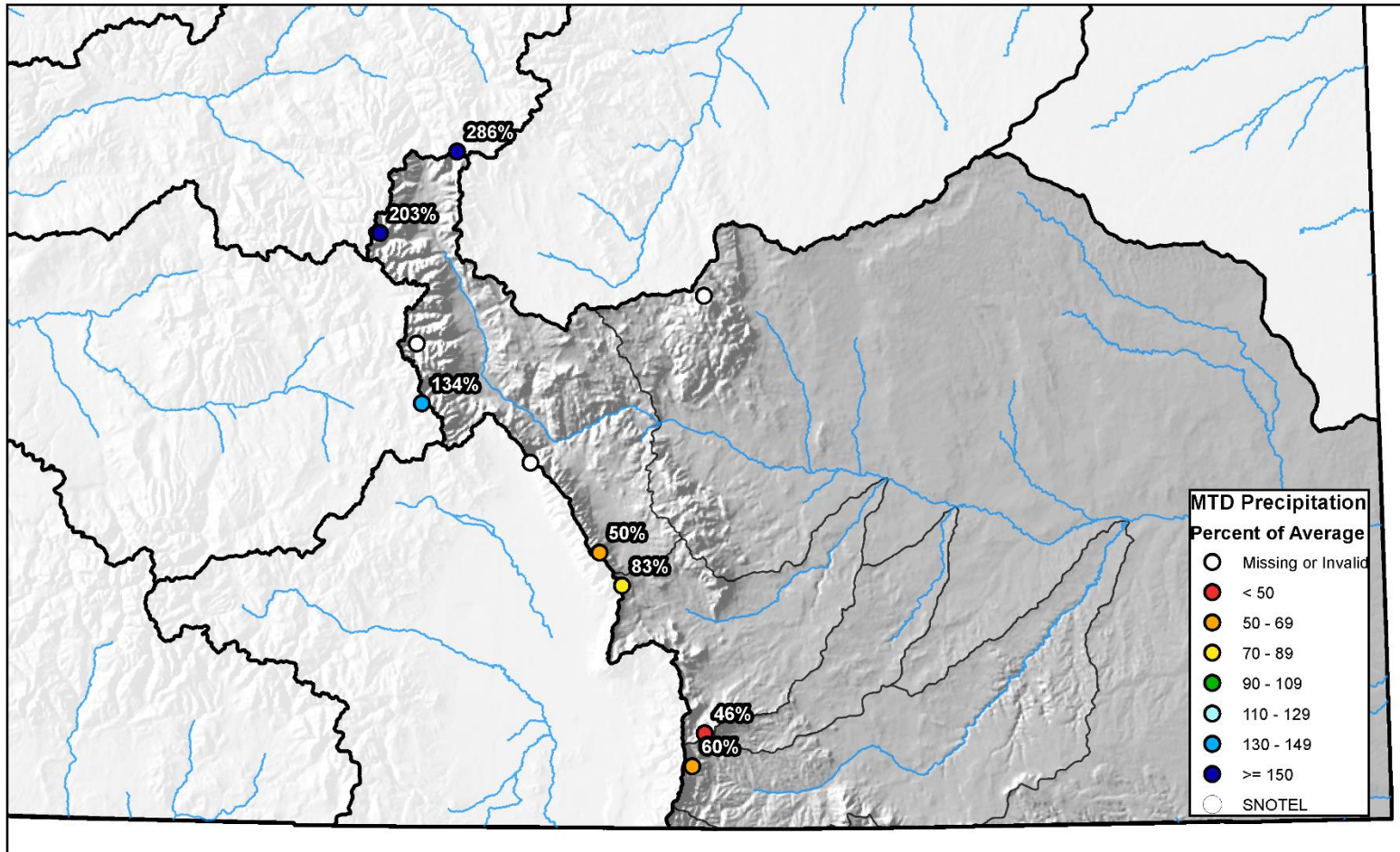
Arkansas River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Feb 12, 2021



Arkansas River Basin Month to Date Precipitation Summary

Current as of Feb 12, 2021

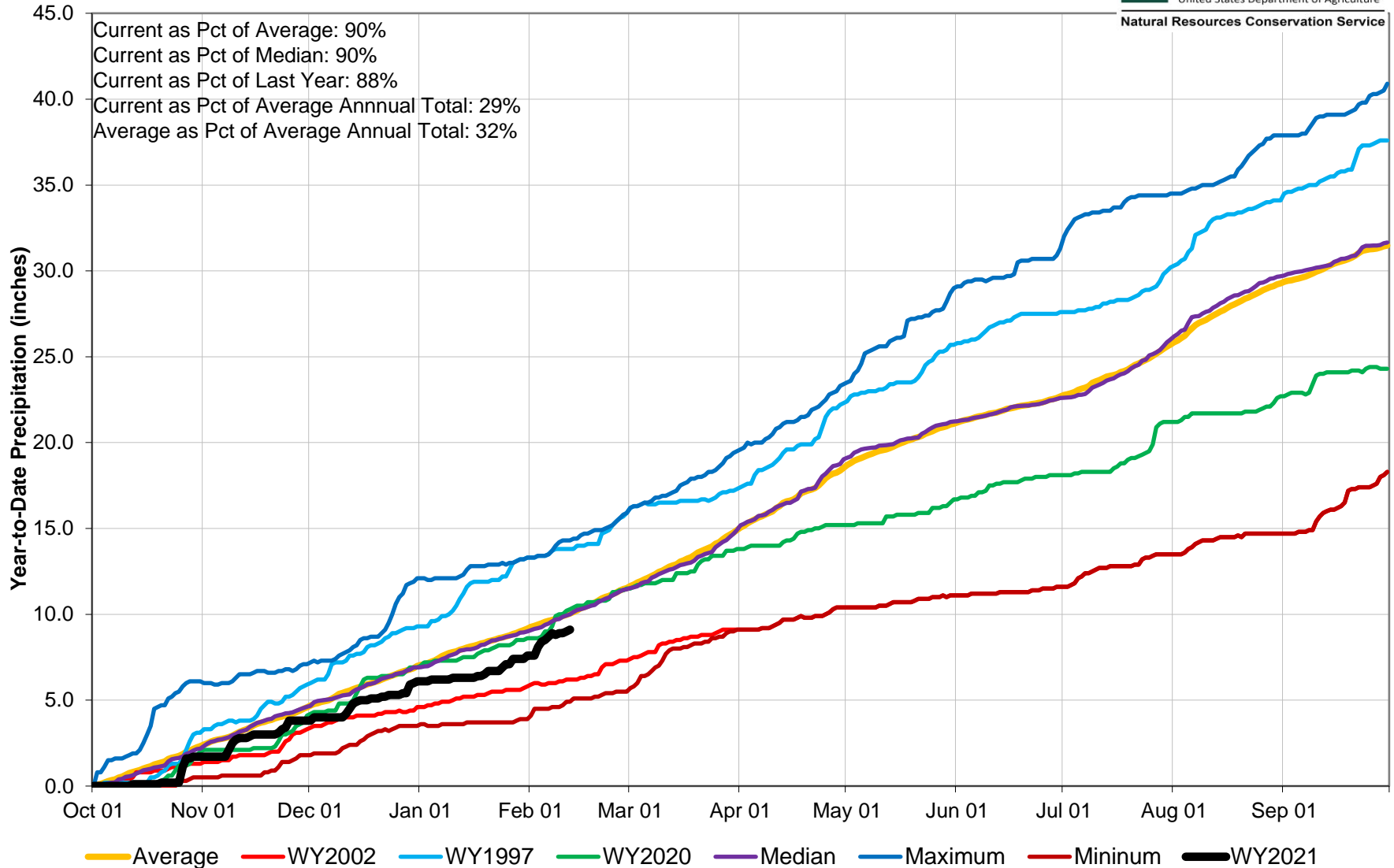


0 10 20 40 60 80 Miles



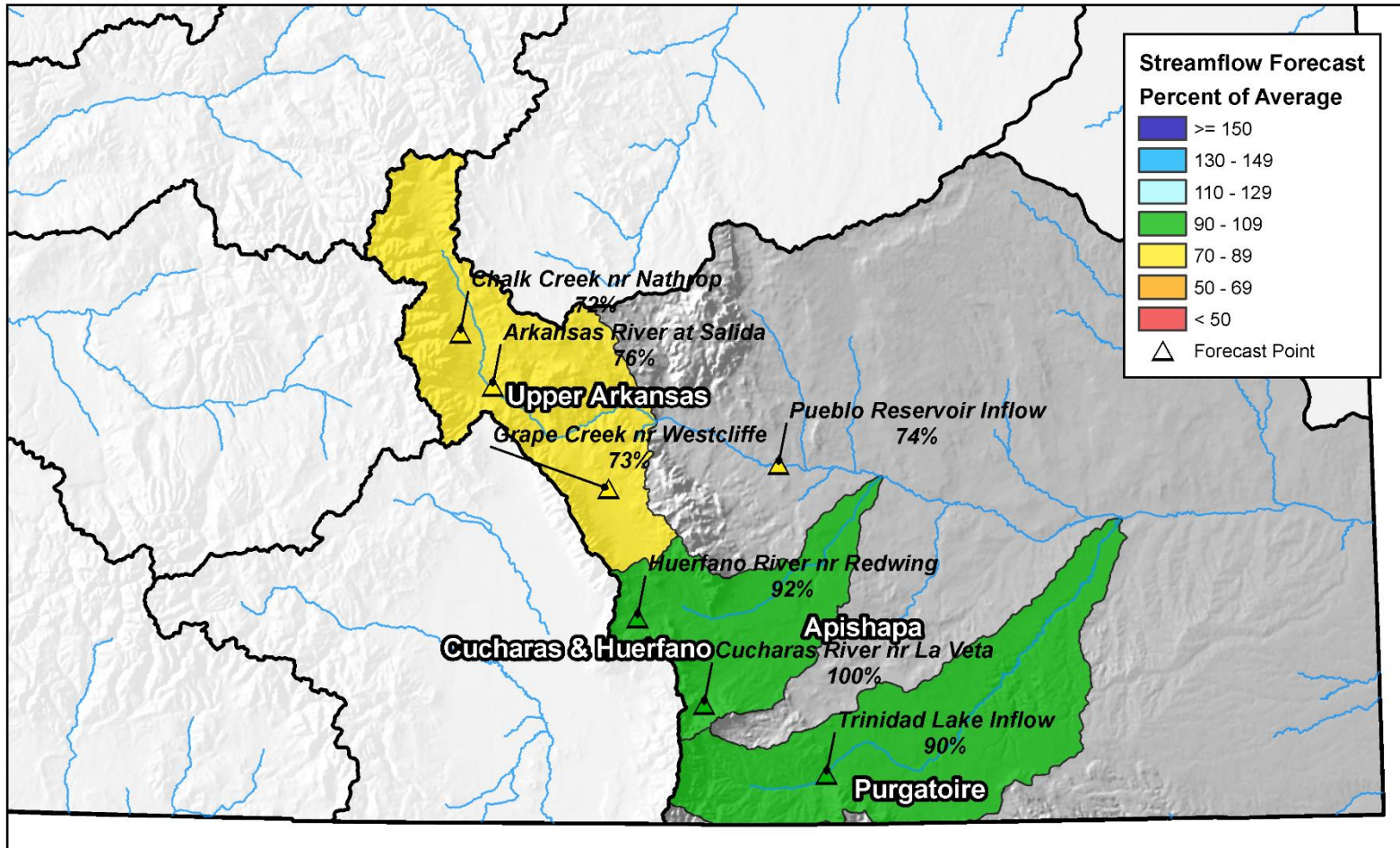
Arkansas River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Feb 12, 2021

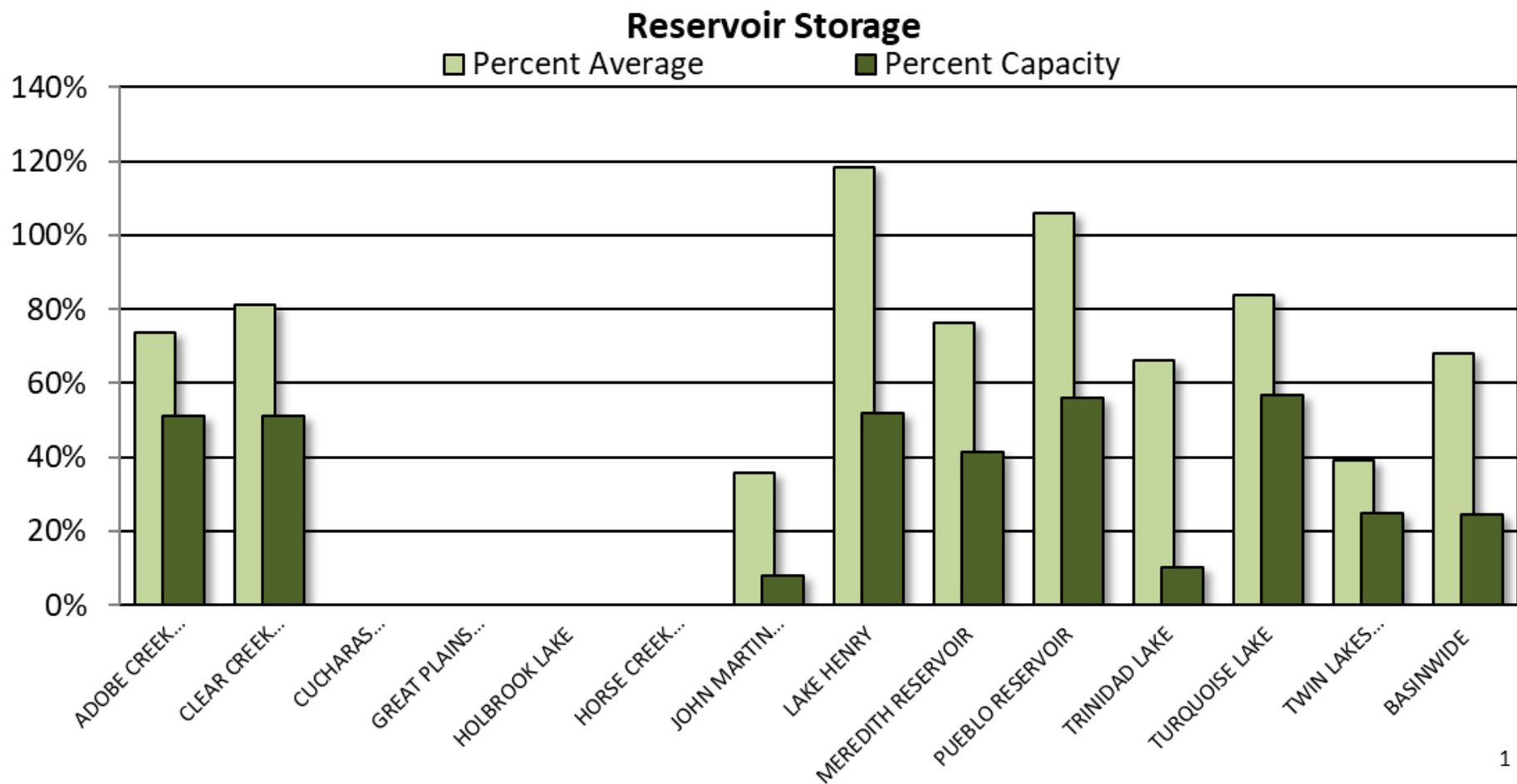


Arkansas River Basin Streamflow Forecast Summary

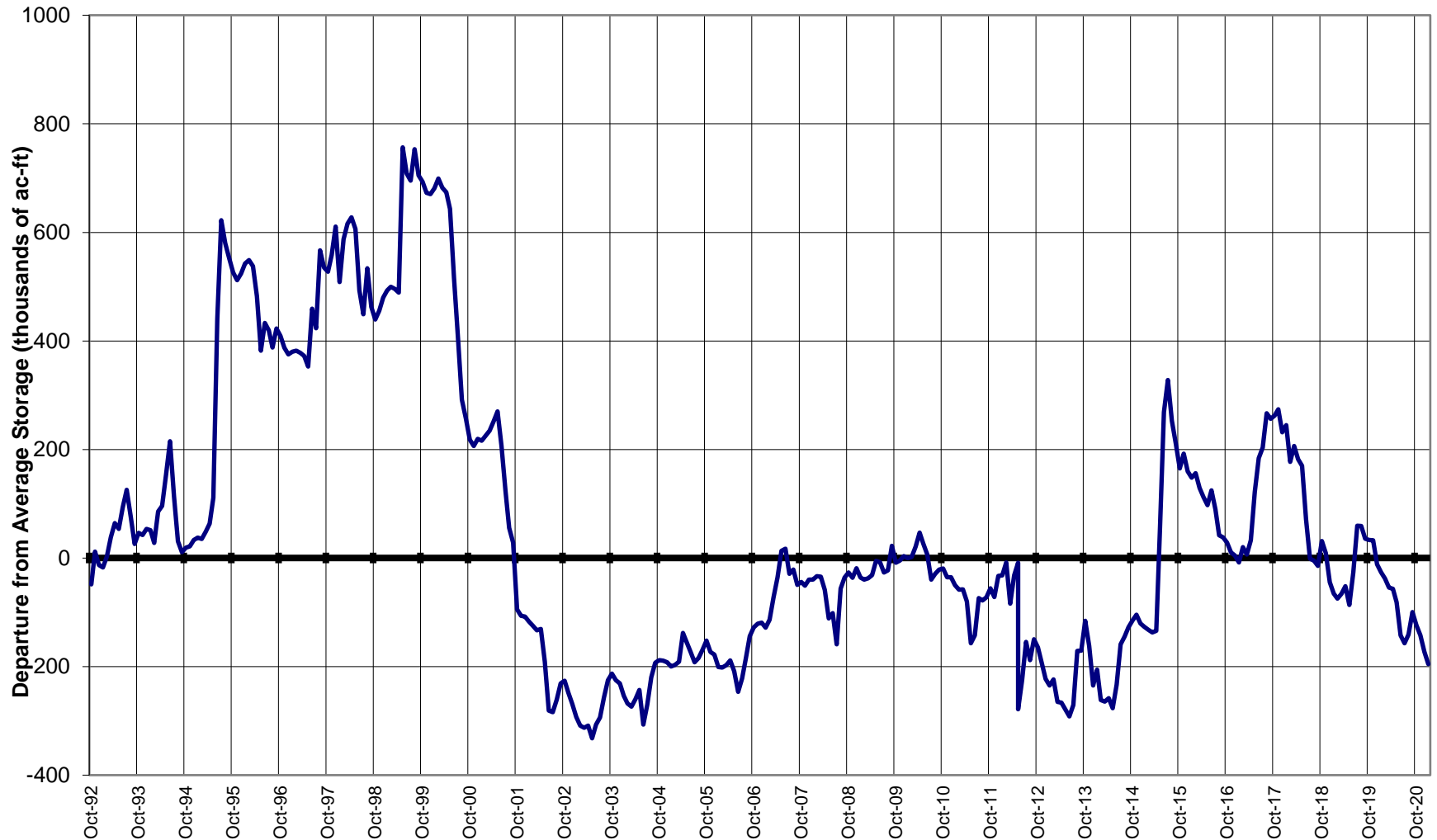
February 1, 2021



0 10 20 40 60 80 Miles

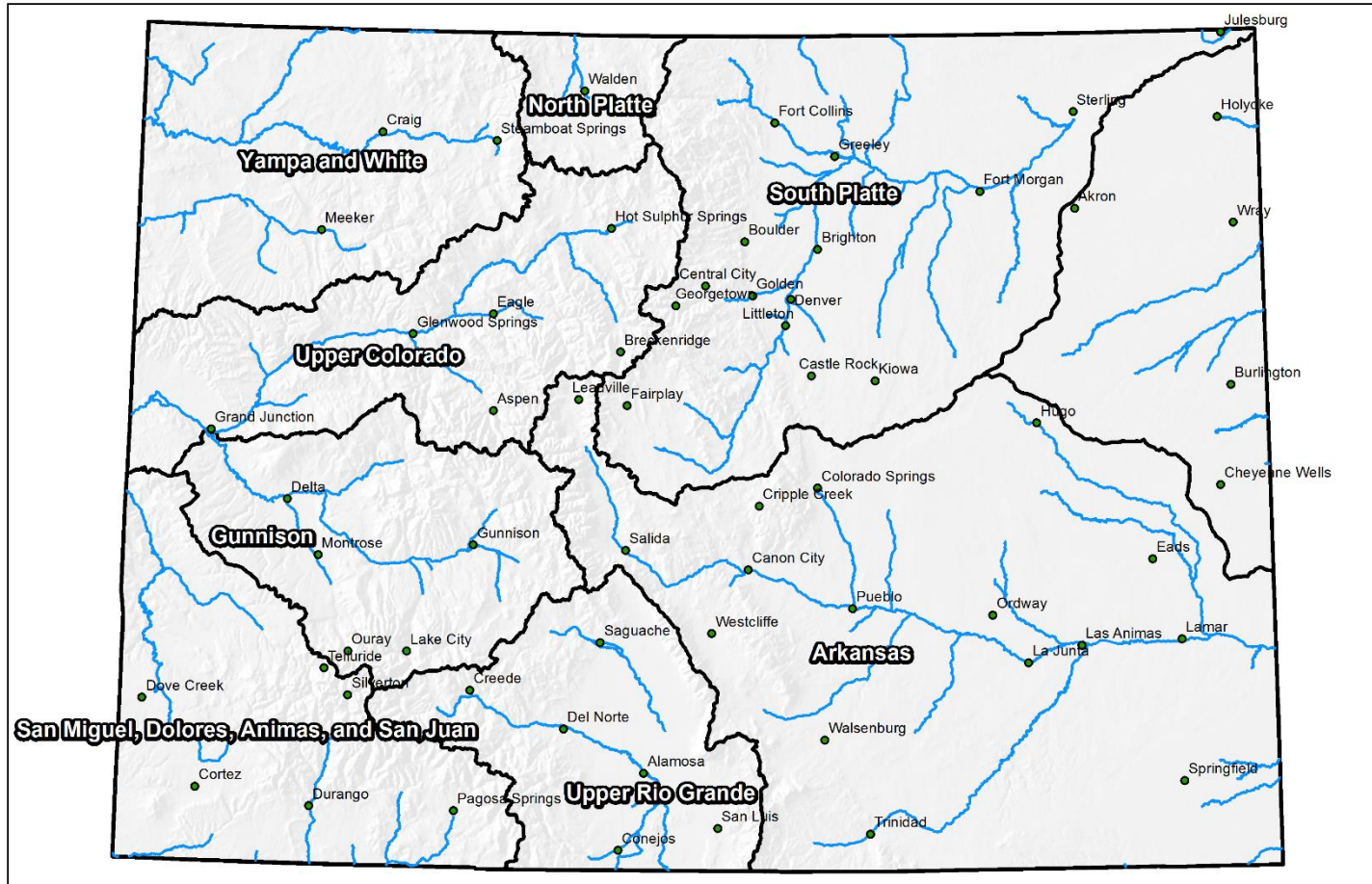


ARKANSAS RIVER BASIN Reservoir Storage Departure from Average



Colorado Statewide Summary

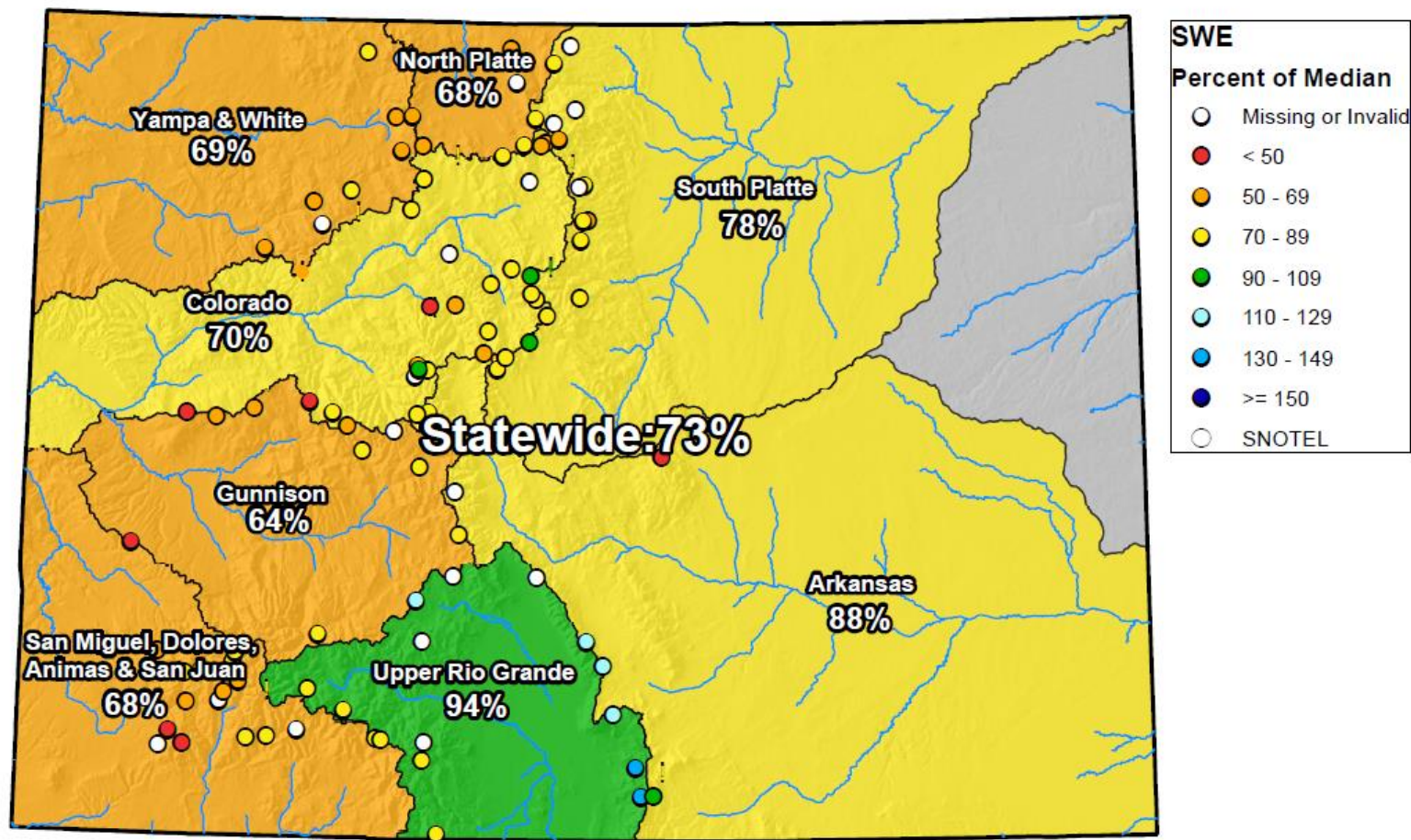
Colorado Major Basins



0 25 50 100 150 200 Miles

Colorado SNOTEL Snow Water Equivalent (SWE) Update Map with Site Data

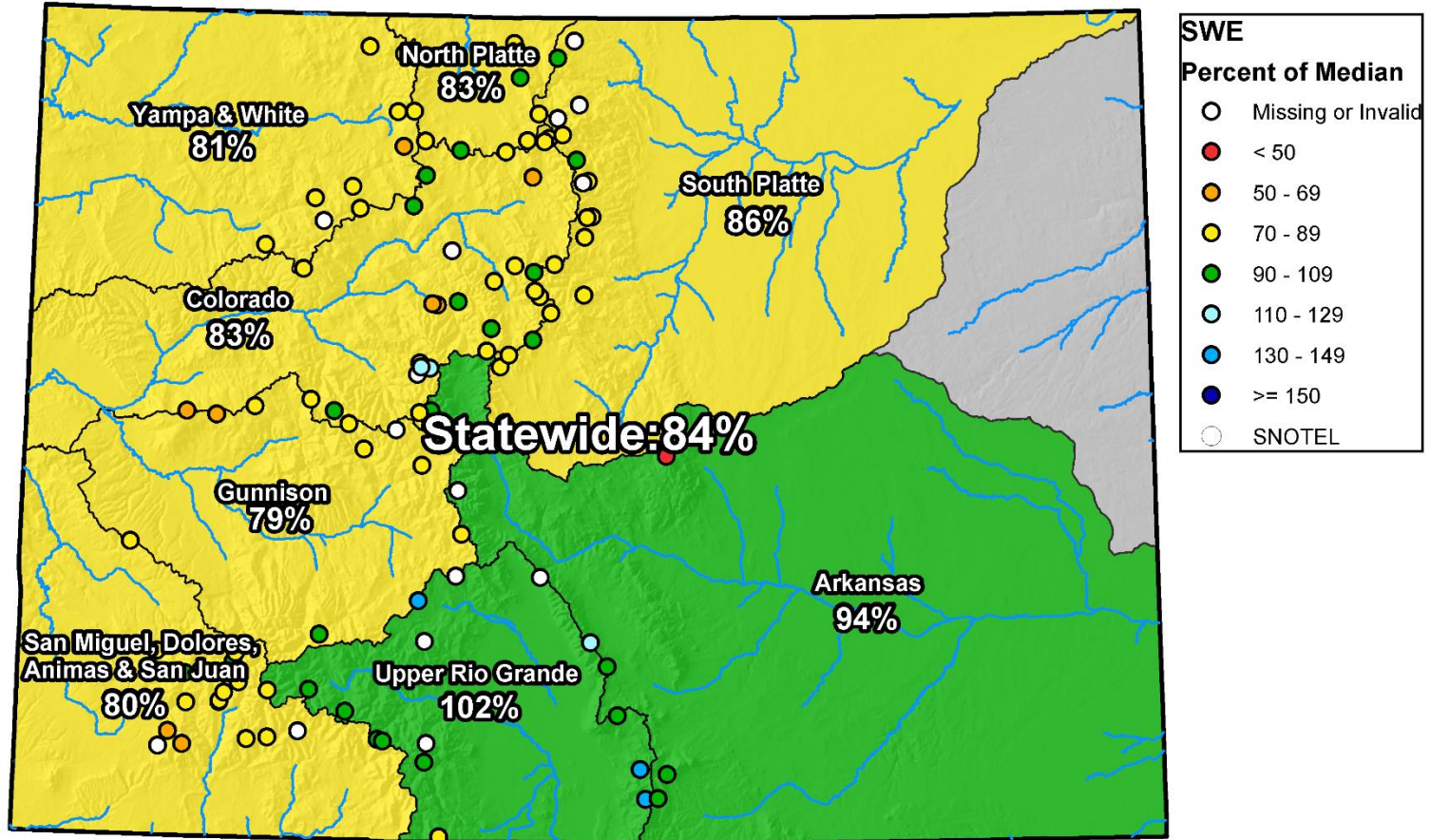
Current as of Jan 20, 2021



0 25 50 100 150 200 Miles

Colorado SNOTEL Snow Water Equivalent (SWE) Update Map with Site Data

Current as of Feb 12, 2021



0 25 50 100 150 200 Miles



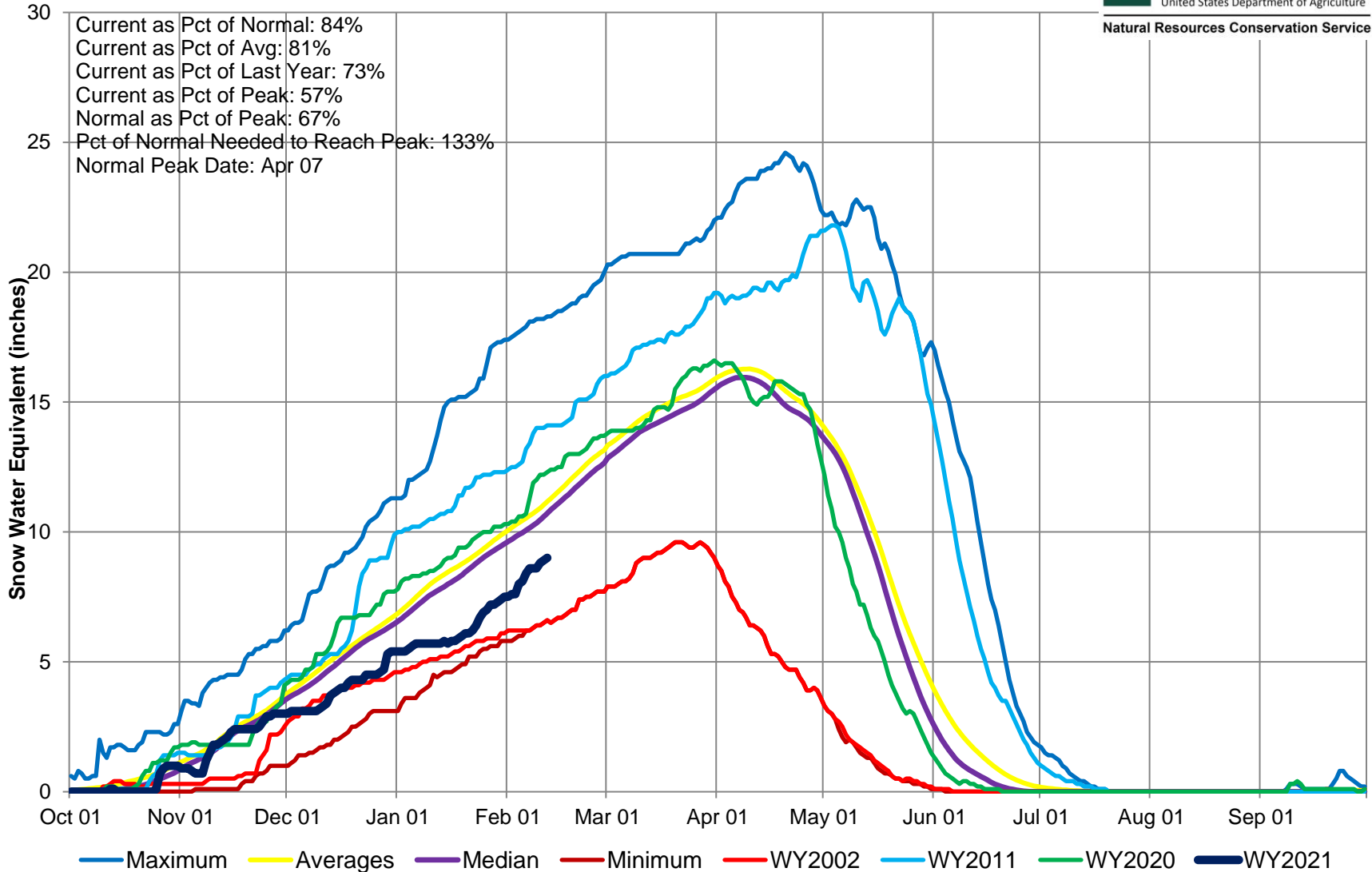
Colorado Statewide High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Feb 12, 2021



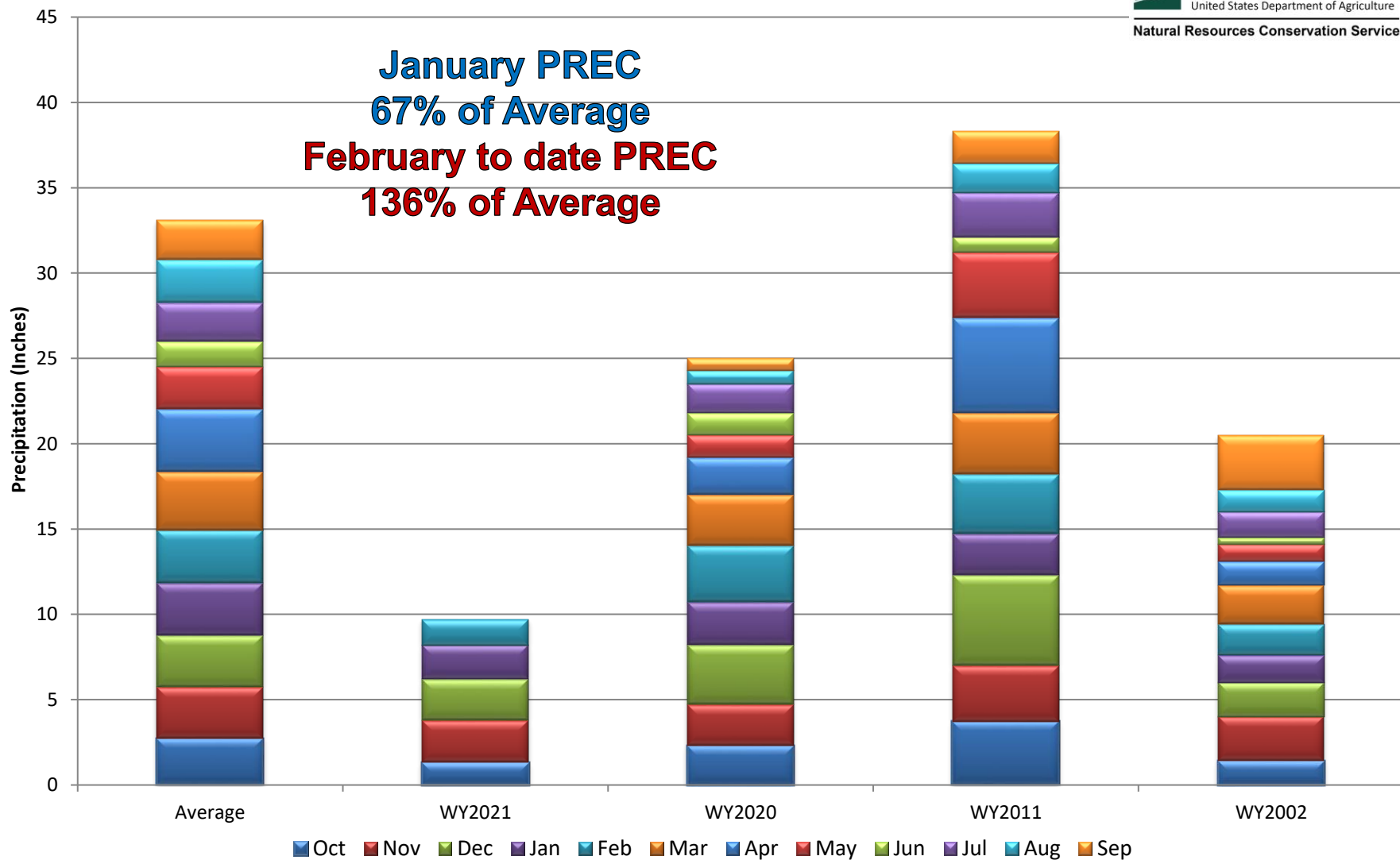
United States Department of Agriculture

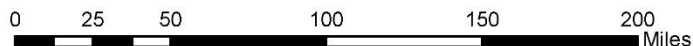
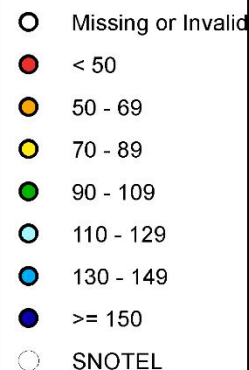
Natural Resources Conservation Service



Colorado Statewide High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Feb 12, 2021

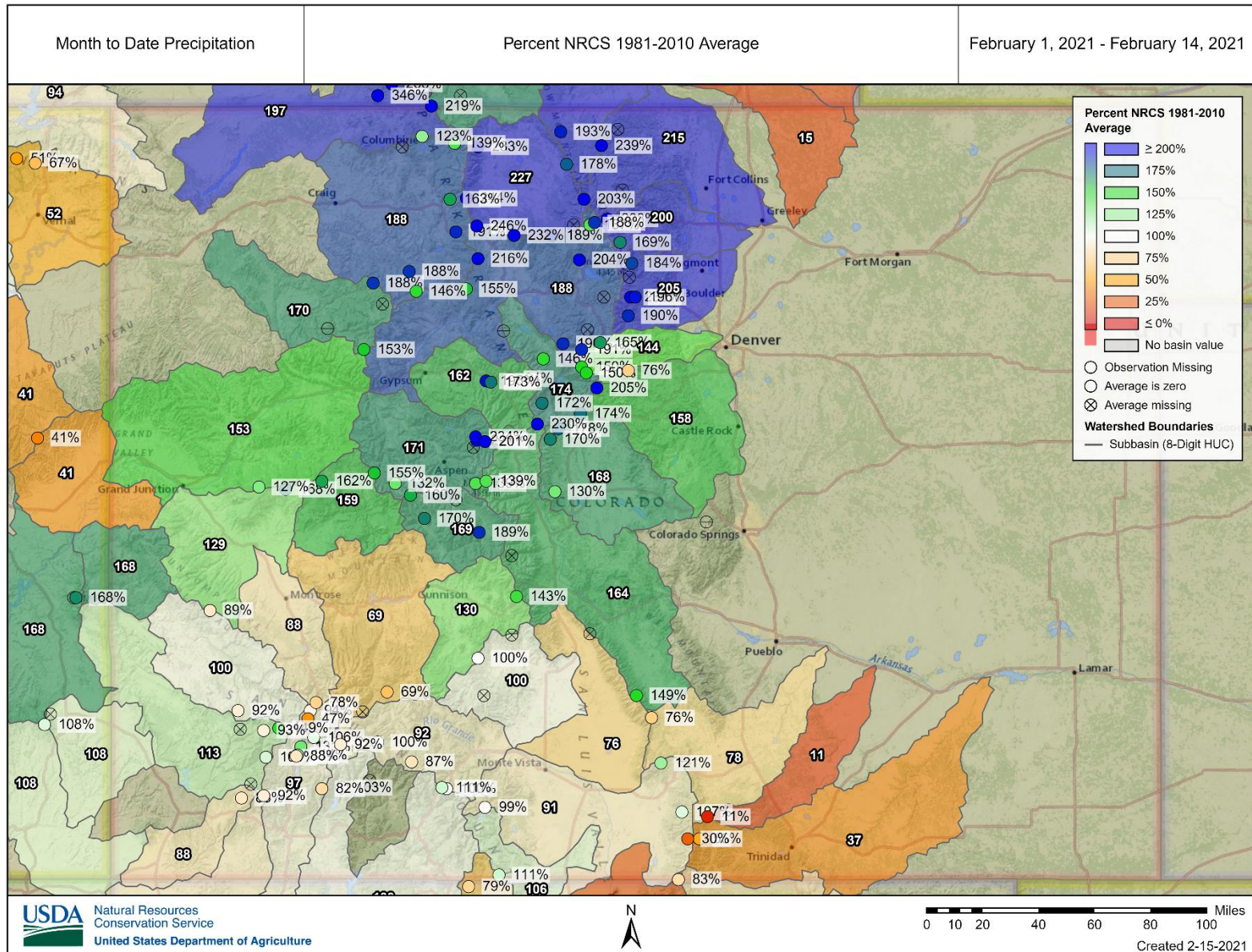






United States Department of Agriculture

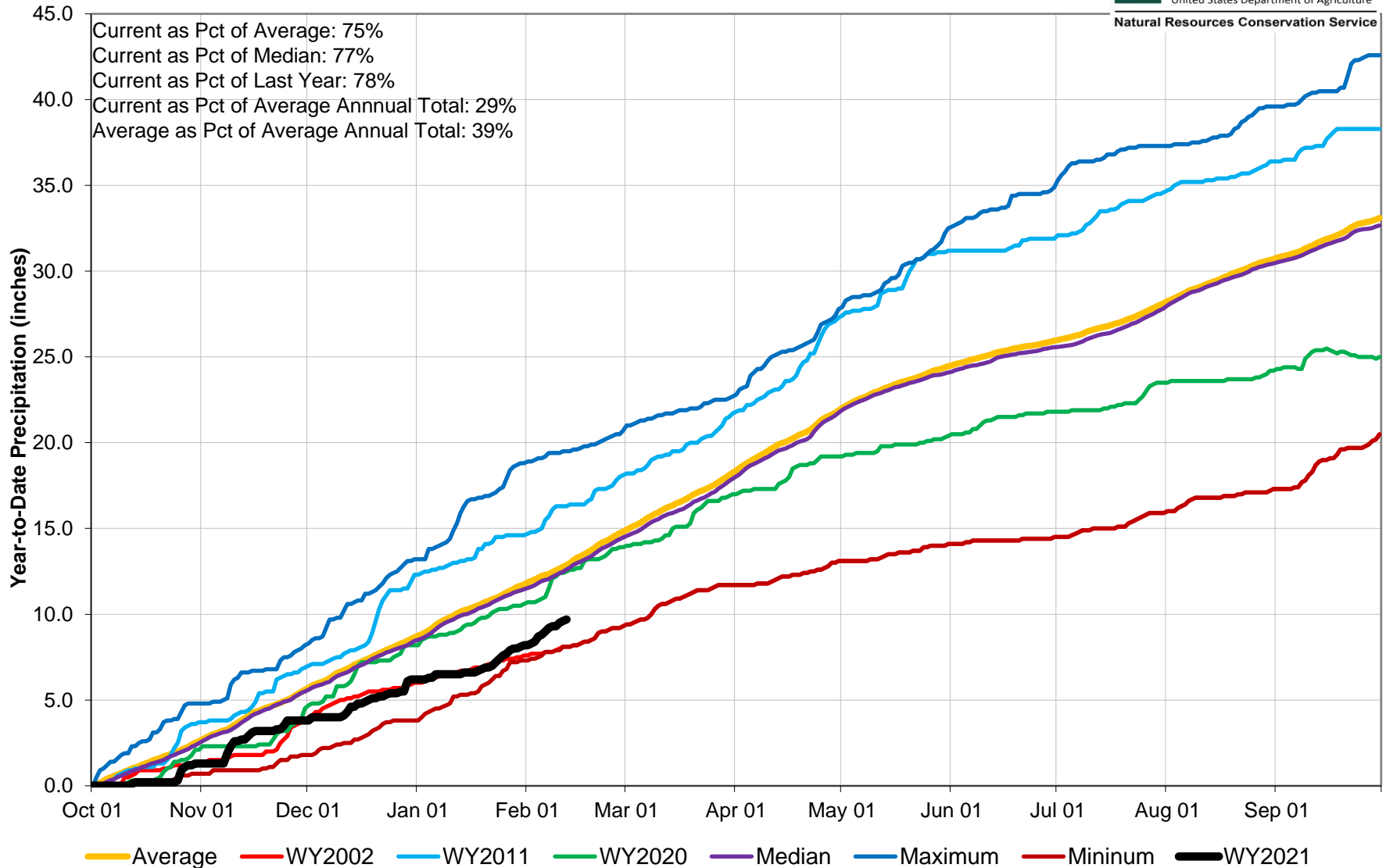
Colorado Snow Surveys





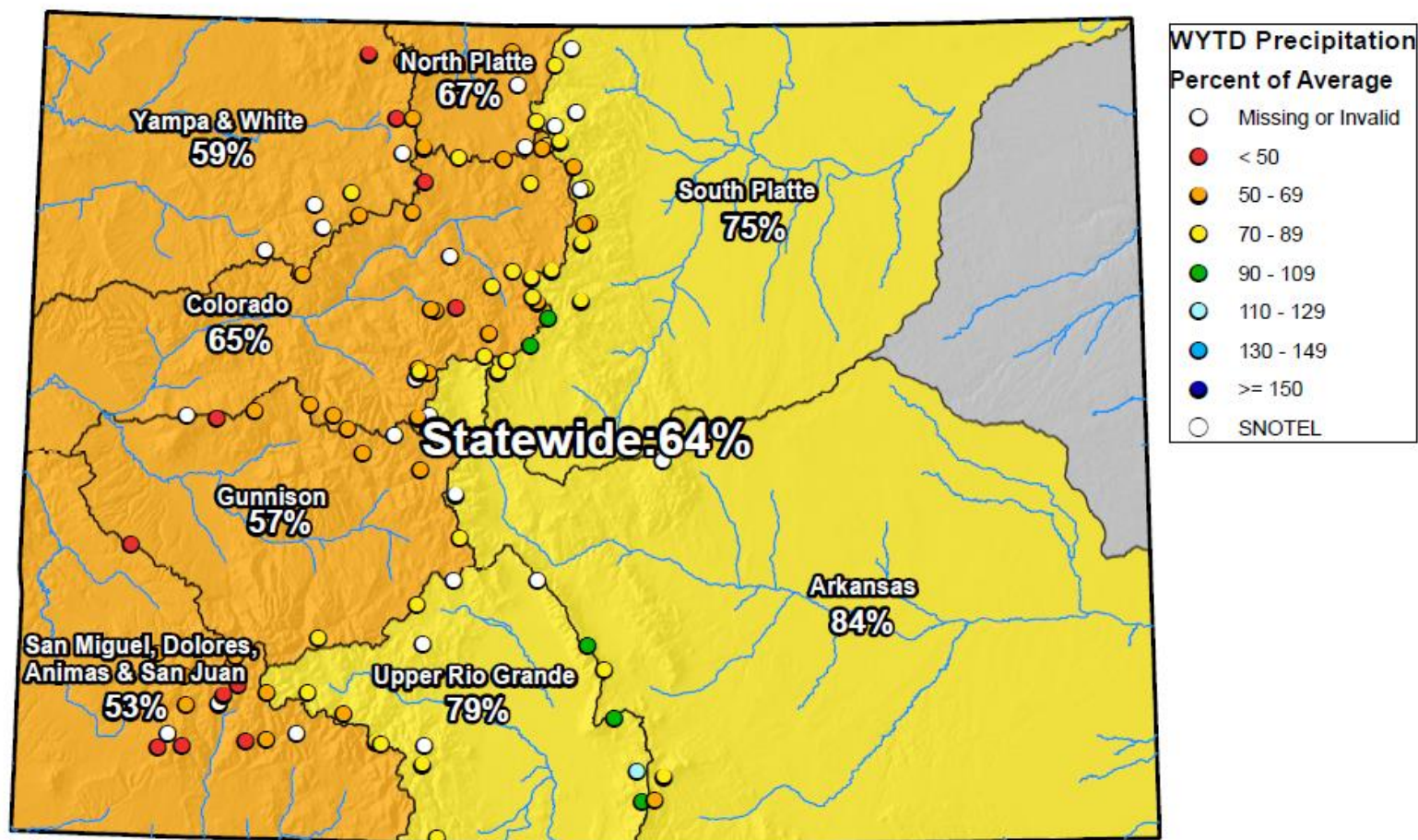
Colorado Statewide High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Feb 12, 2021



Colorado SNOTEL Water Year to Date Precipitation

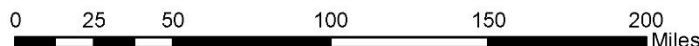
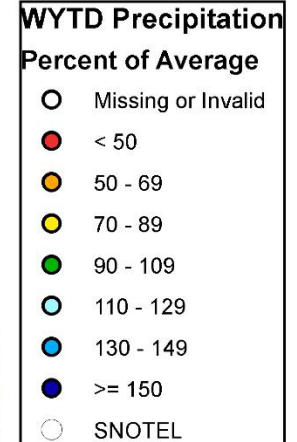
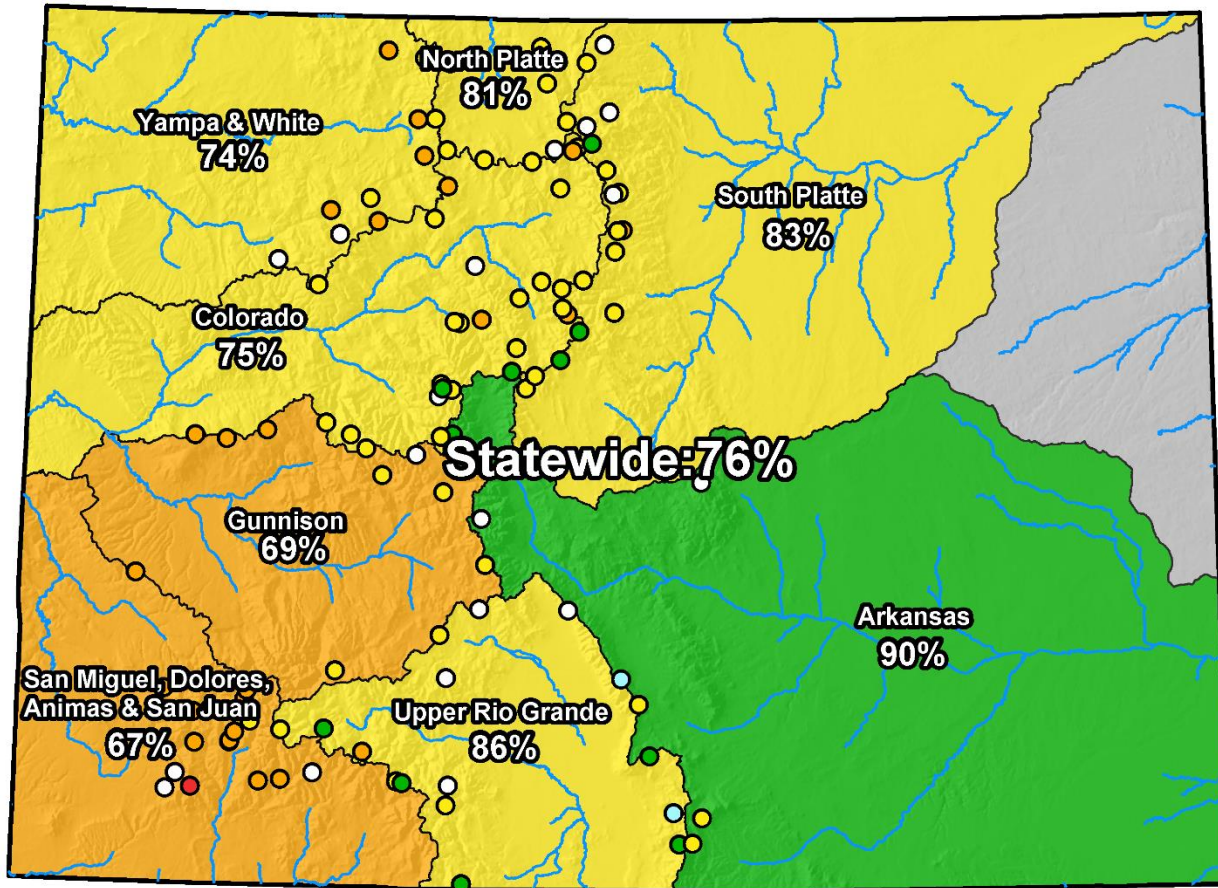
Current as of Jan 20, 2021



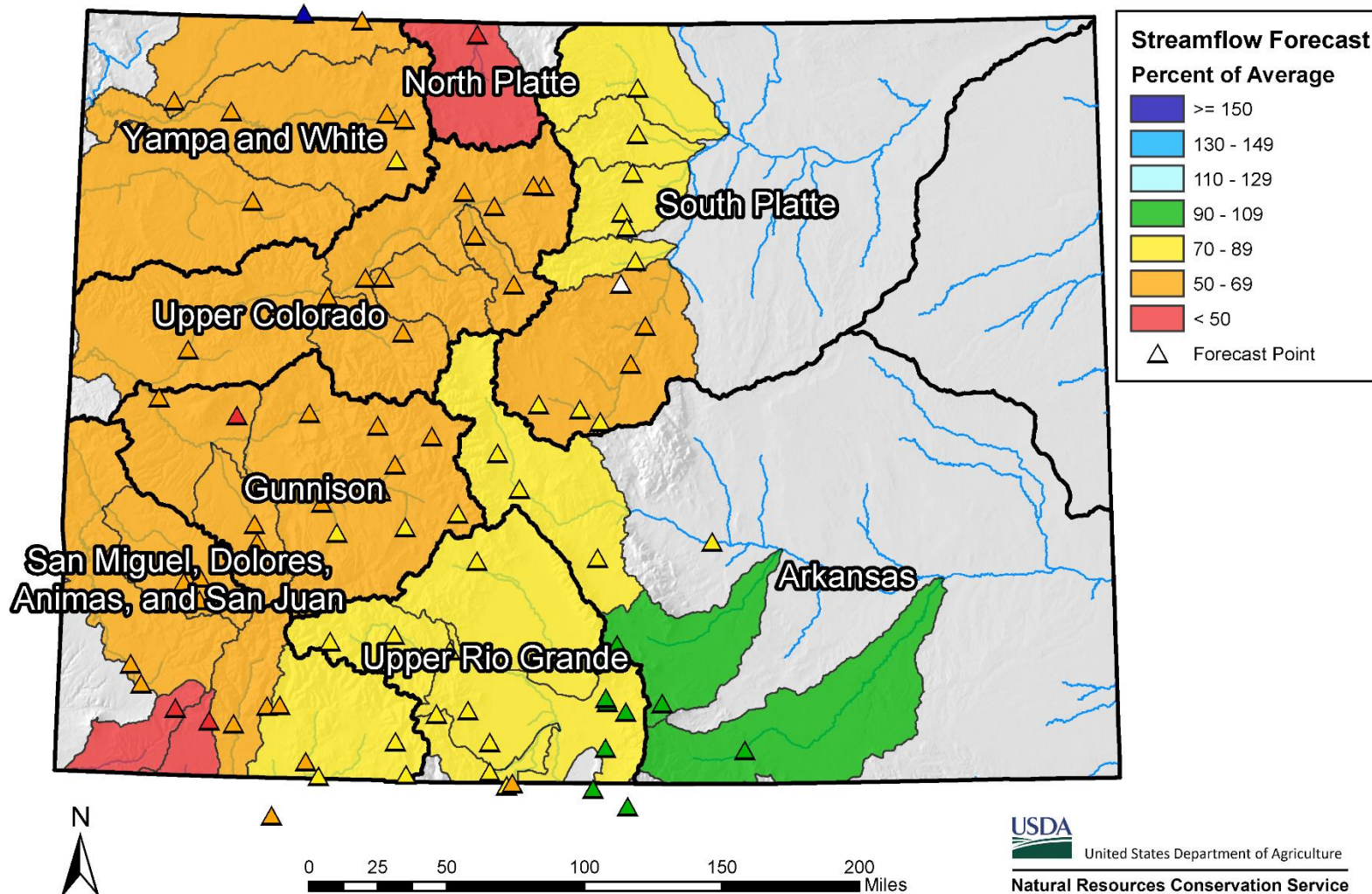
0 25 50 100 150 200 Miles

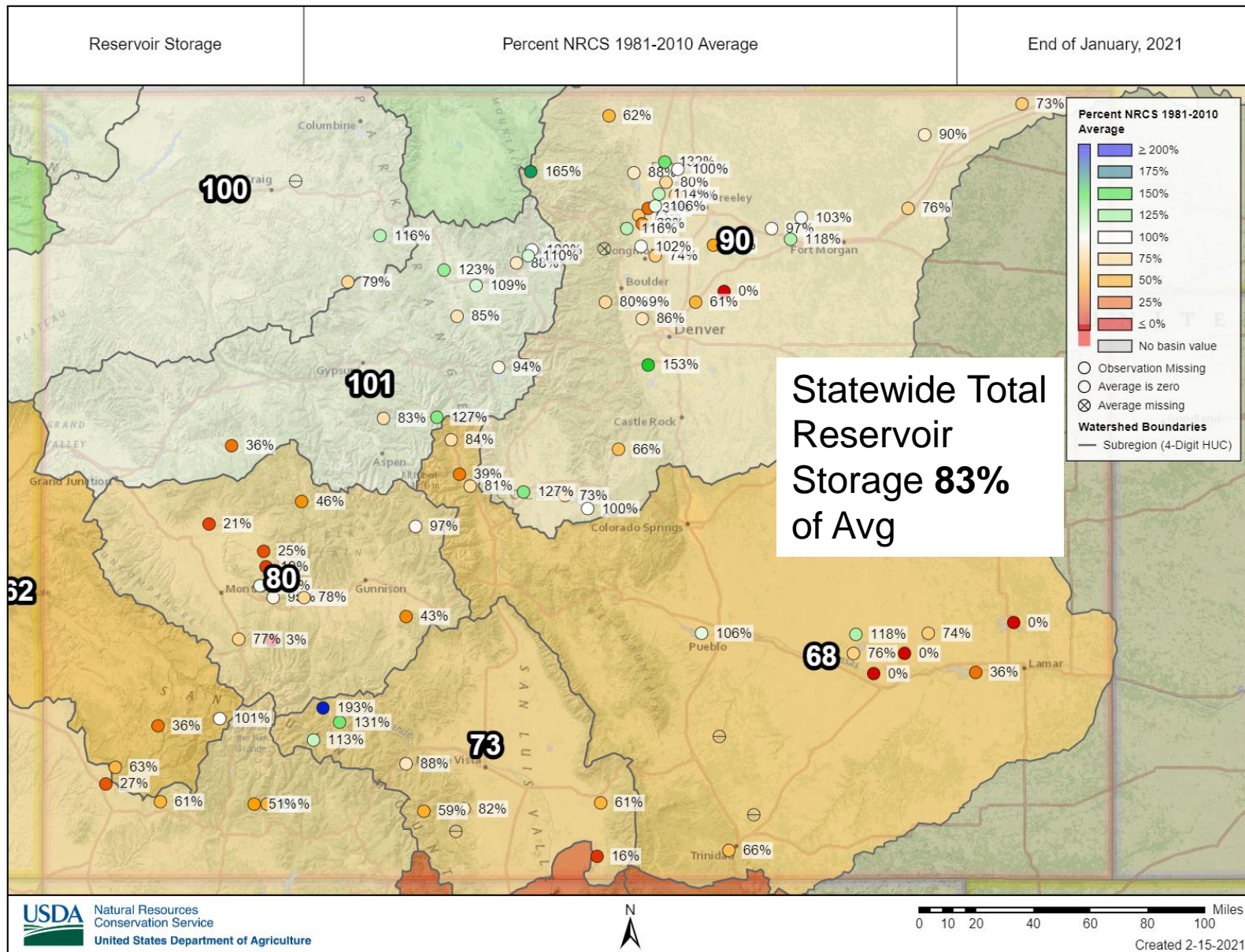
Colorado SNOTEL Water Year to Date Precipitation

Current as of Feb 12, 2021



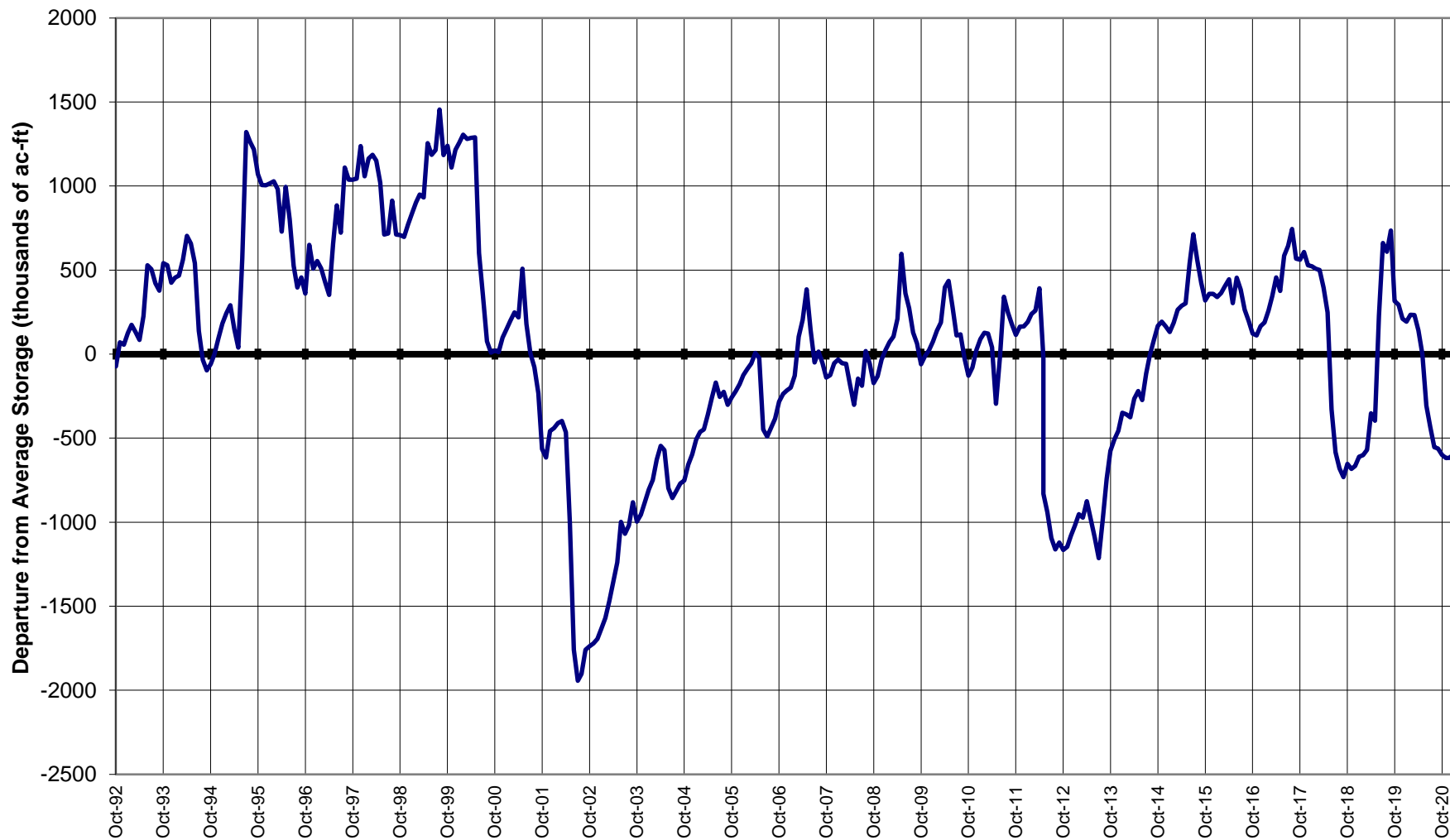
Colorado Streamflow Forecasts Summary February 1, 2021

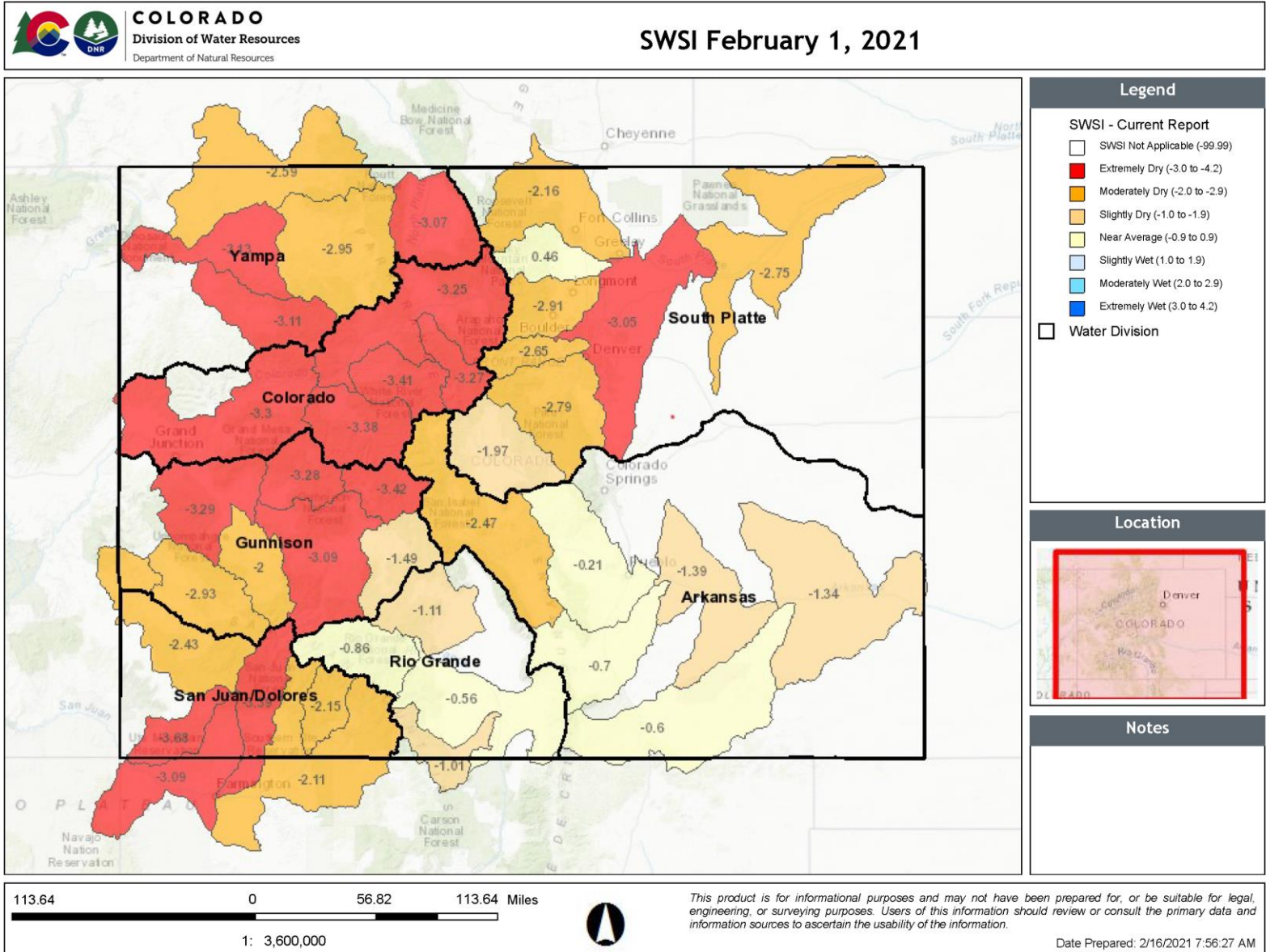






COLORADO STATEWIDE Reservoir Storage Departure from Average





Summary

•Precipitation Statewide

- February precipitation has so far been above normal favoring the northern half of the state however since last month all parts of the state have improved

•Reservoir storage is near normal in several northern basins but below in several others, particularly in the southern half of the state

- Statewide storage is 83 percent of average, up 1% from last month

•Statewide snowpack improved over last month 11% to 84% on Feb 12th.

- On Feb 15th CO usually 71% through the snow accumulation season

•Dry soils and low fall baseflows in rivers across the state are indicating that snowmelt runoff will likely produce lower volumes than would commonly occur with any given snowpack



United States Department of Agriculture

Colorado Snow Surveys

Water Availability Task Force Meeting

February 16th, 2021

NRCS Snow Survey and Water Supply Forecasting Program

Brian Domonkos

Hydrologist

Asst. Snow Survey Supervisor

720-544-2852

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



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