



Water Availability Task Force Meeting

February 16th, 2021

NRCS Snow Survey and Water Supply Forecasting Program

Brian Domonkos

Hydrologist

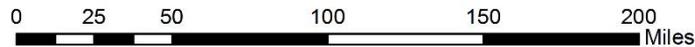
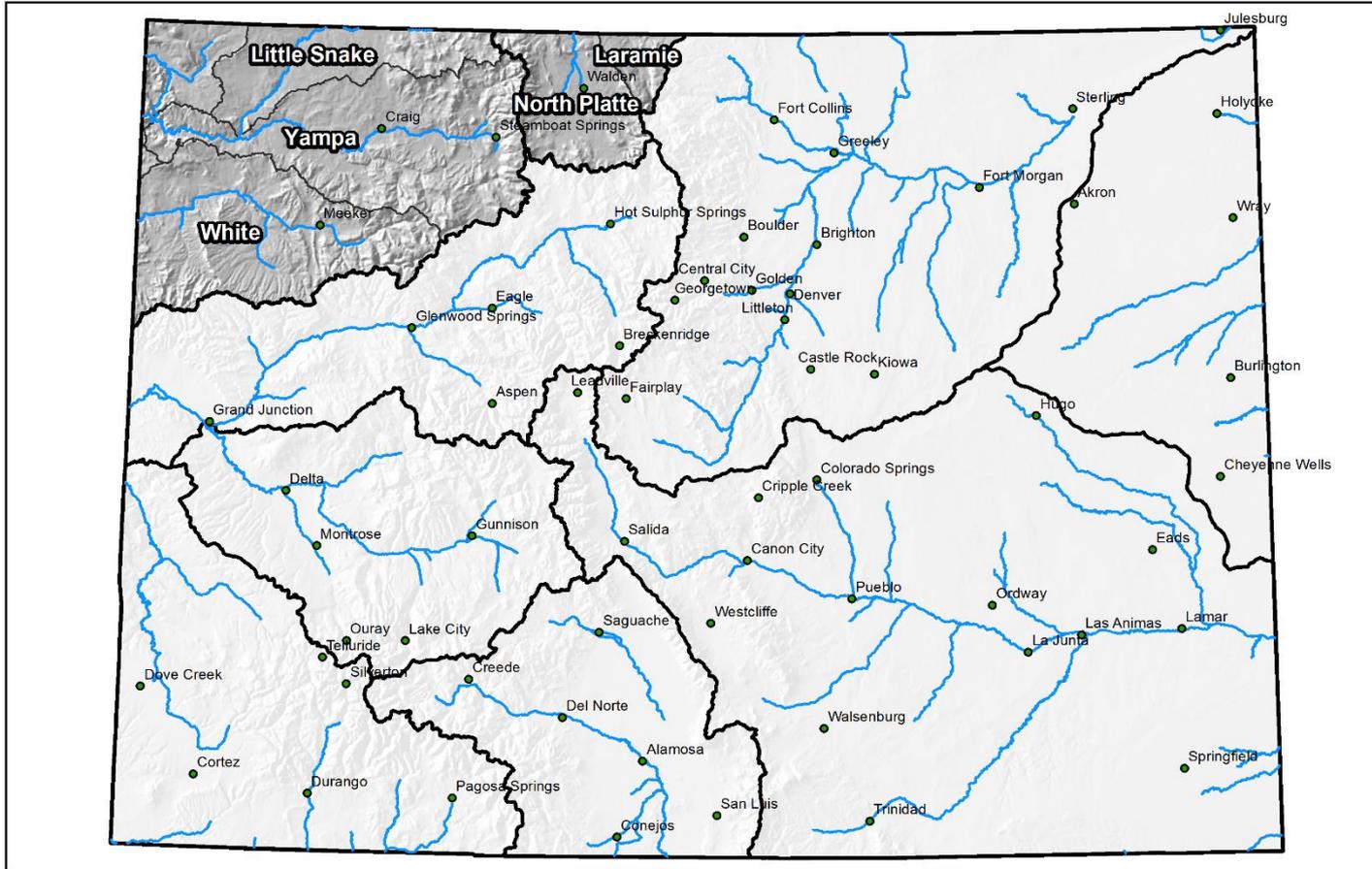
Asst. Snow Survey Supervisor

720-544-2852

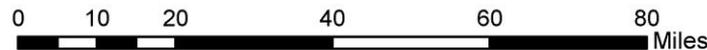
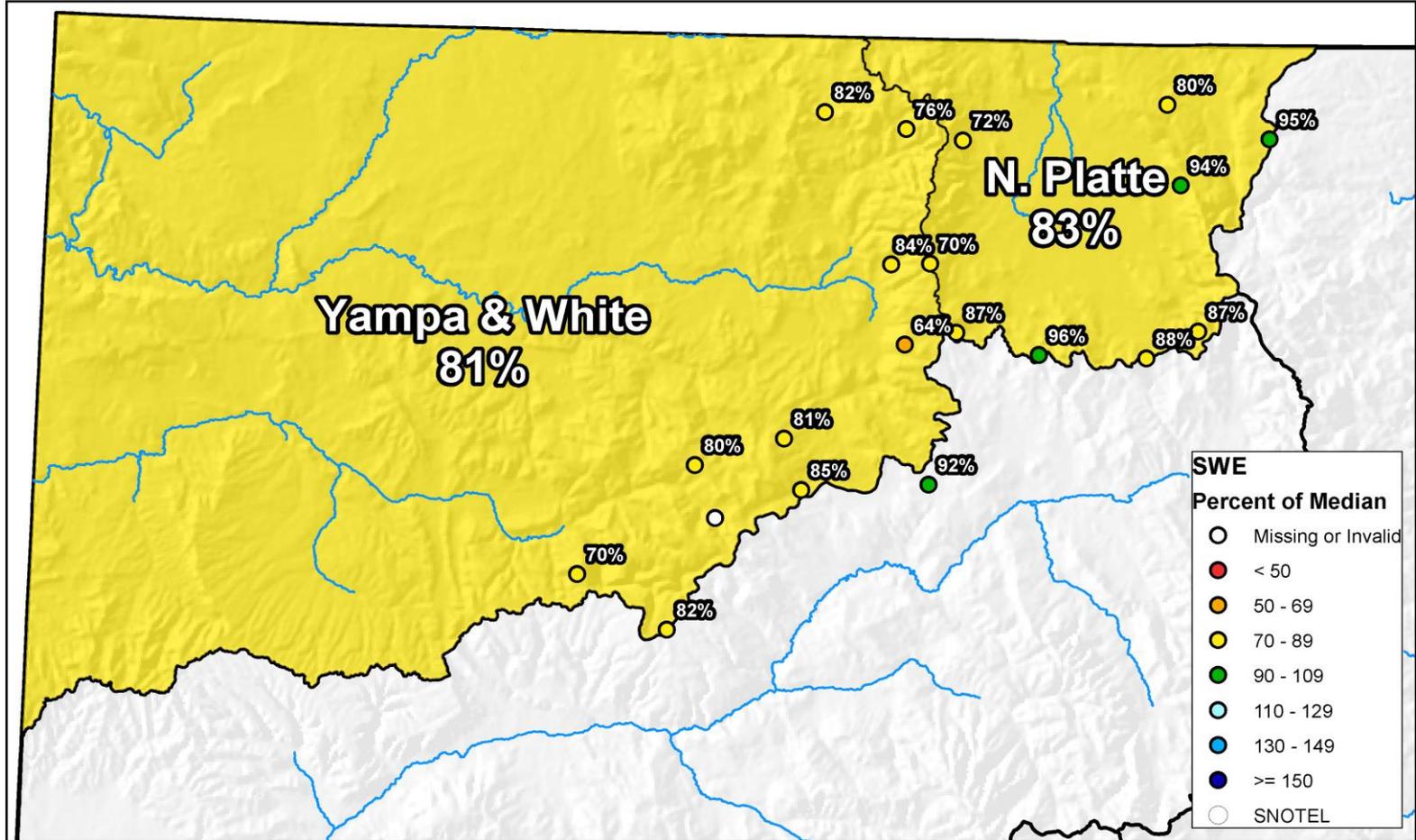
<http://www.nrcs.usda.gov/wps/portal/nrcs/main/co/snow/>

Major Basin Summary

Yampa, White, and North Platte River Basins

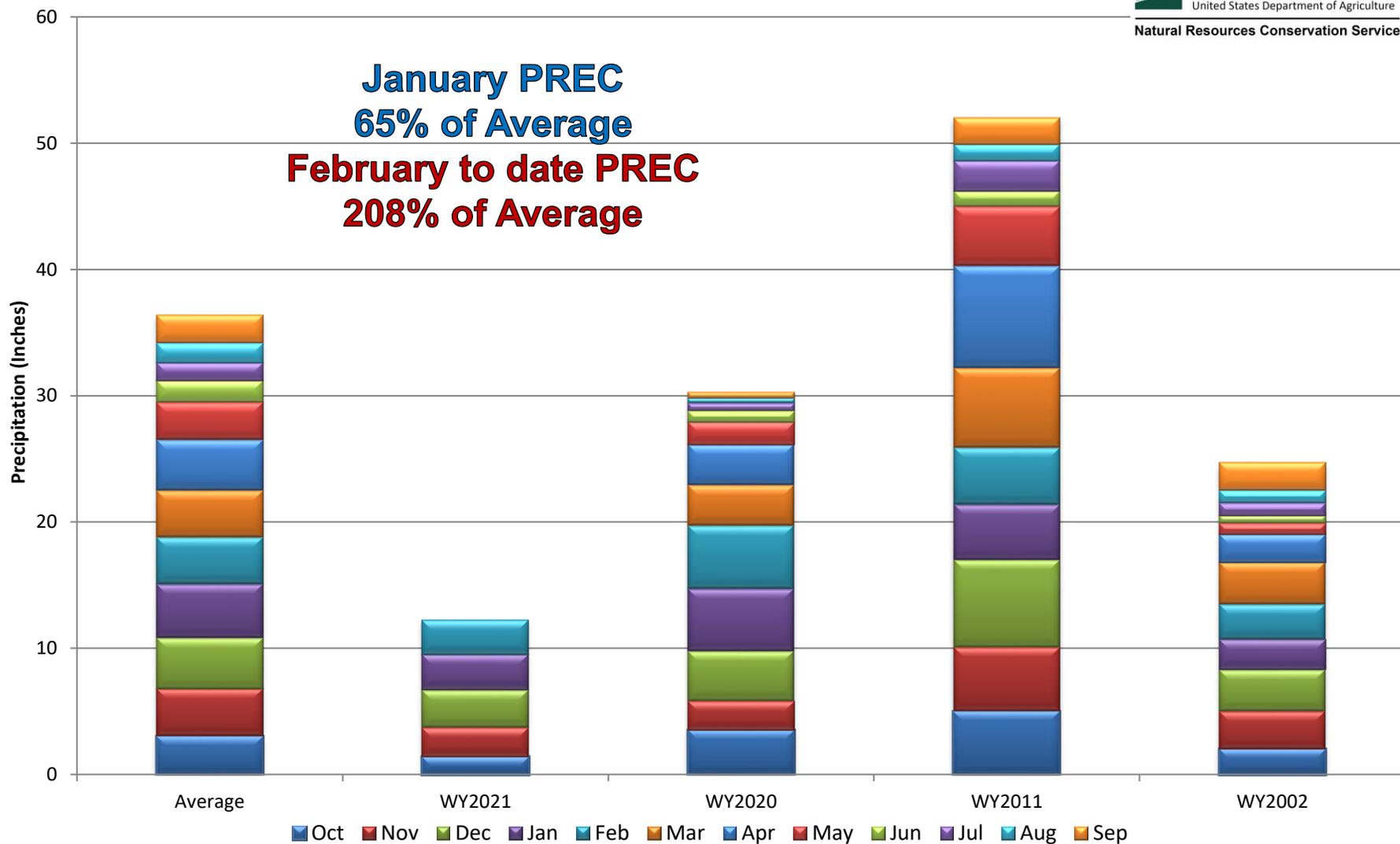


Yampa, White, and North Platte River Basins Snow Water Equivalent (SWE) Summary Current as of Feb 12, 2021

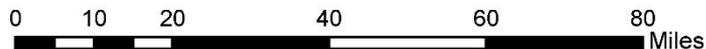
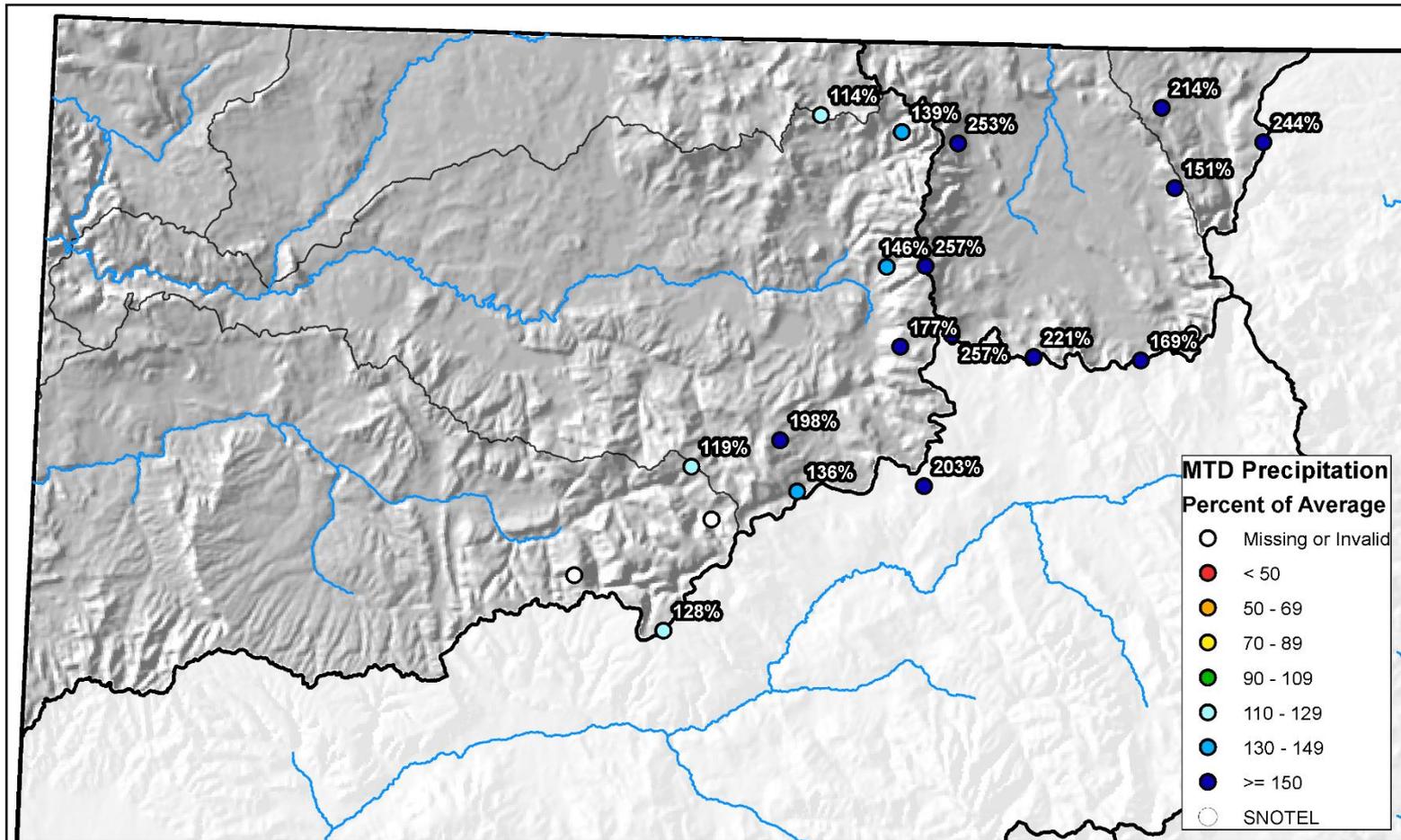


Yampa and White River Basins High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Feb 12, 2021

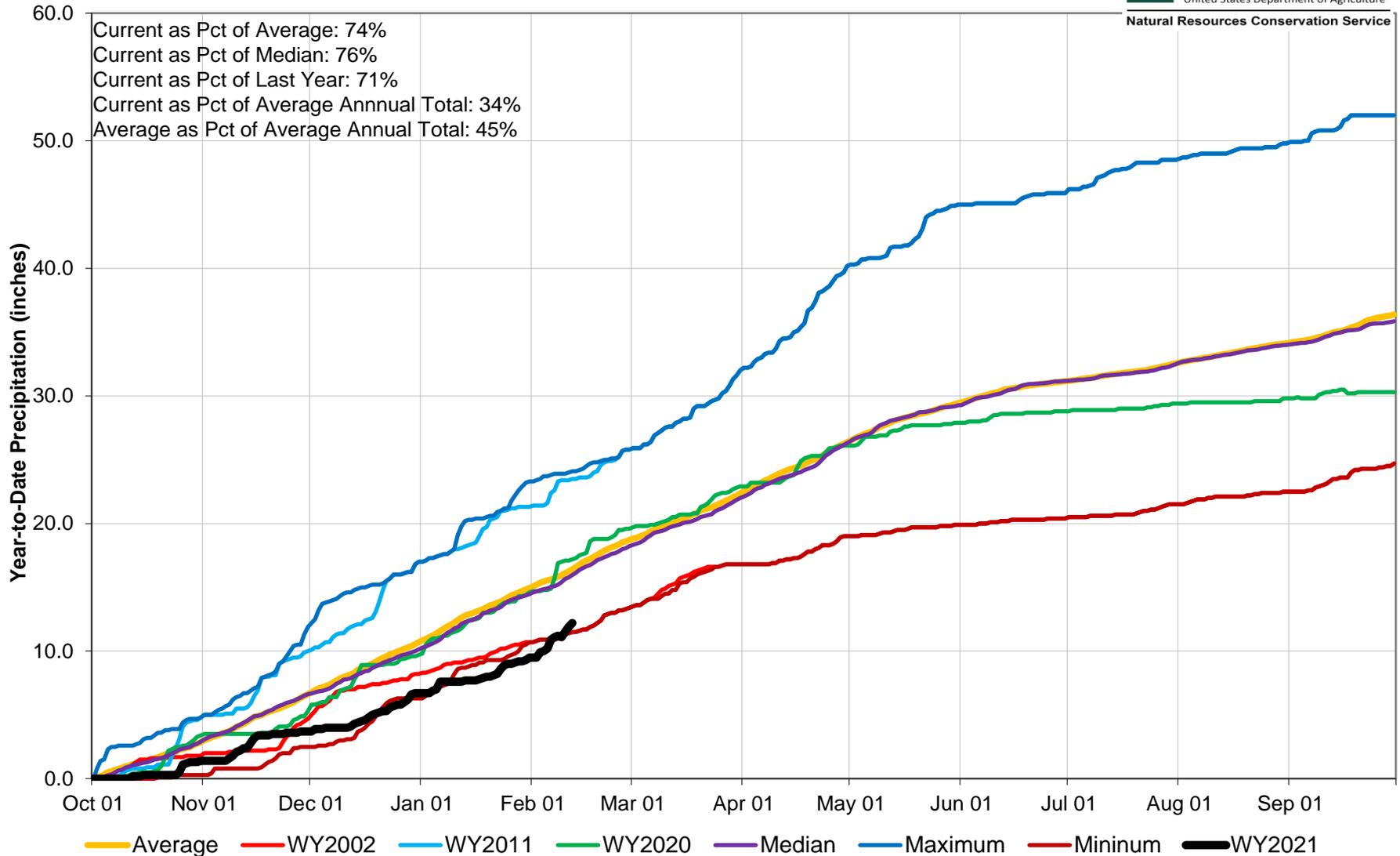


Yampa, White, and North Platte River Basins Month to Date Precipitation Summary Current as of Feb 12, 2021

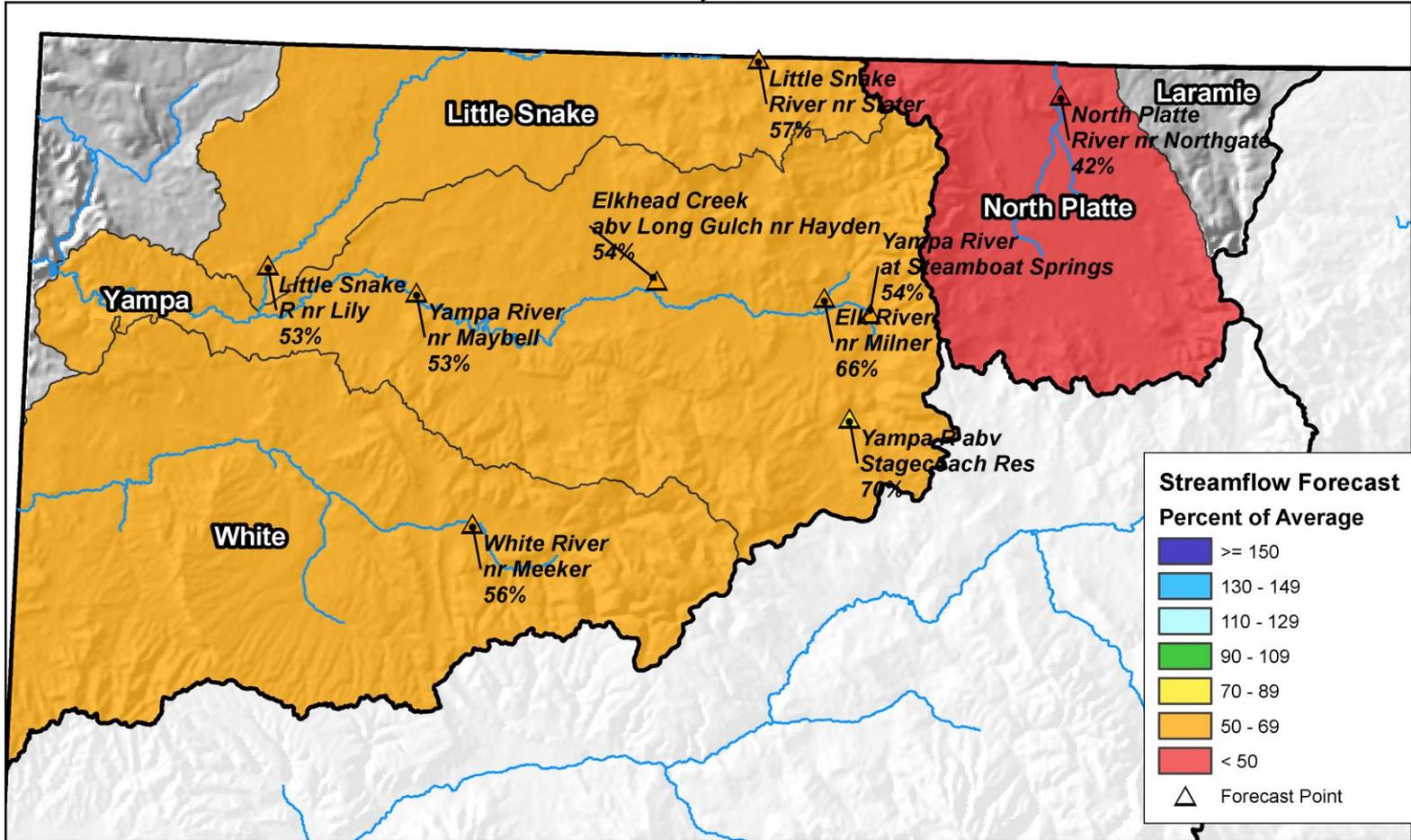


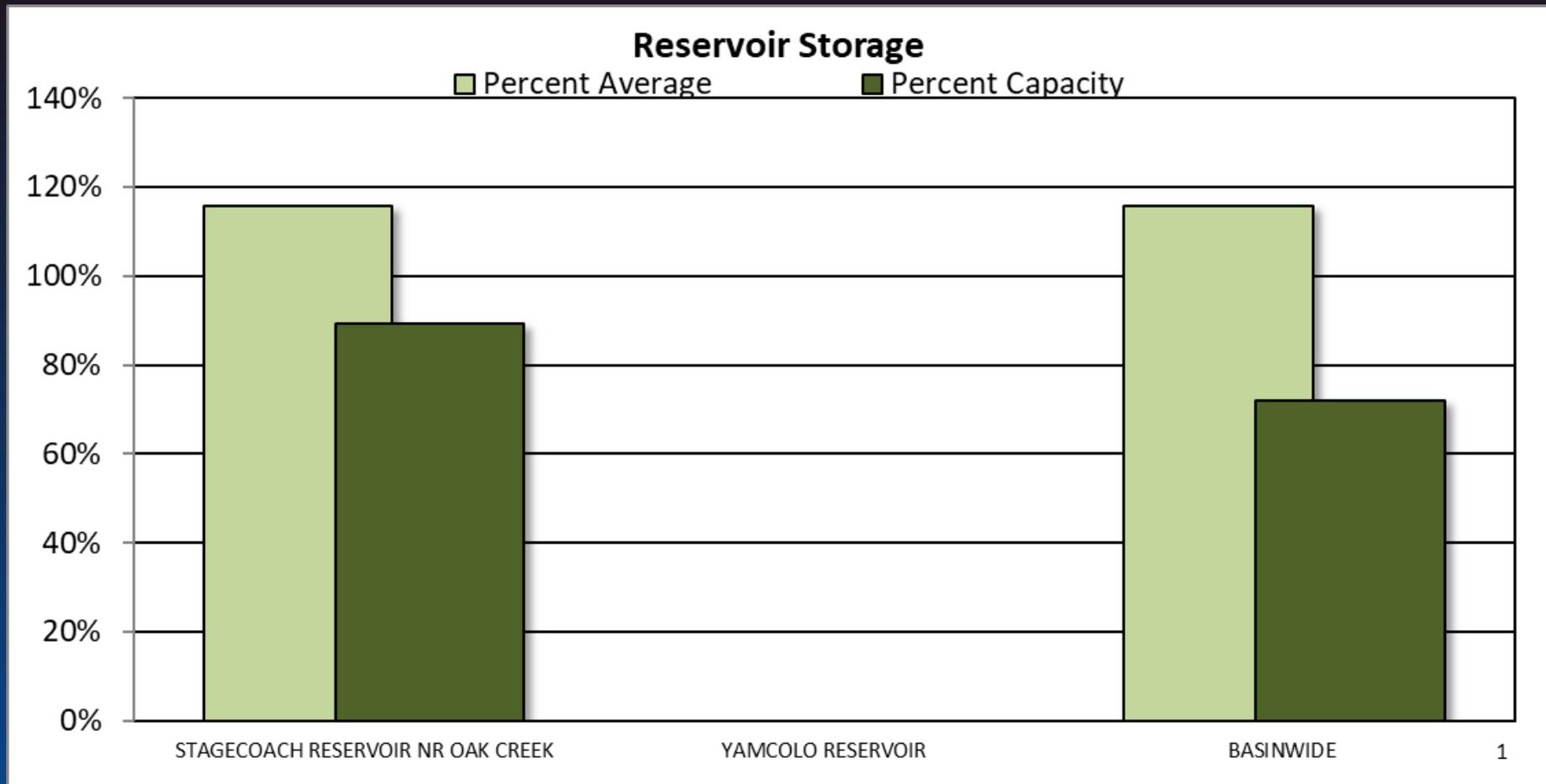
Yampa and White River Basins High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Feb 12, 2021



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

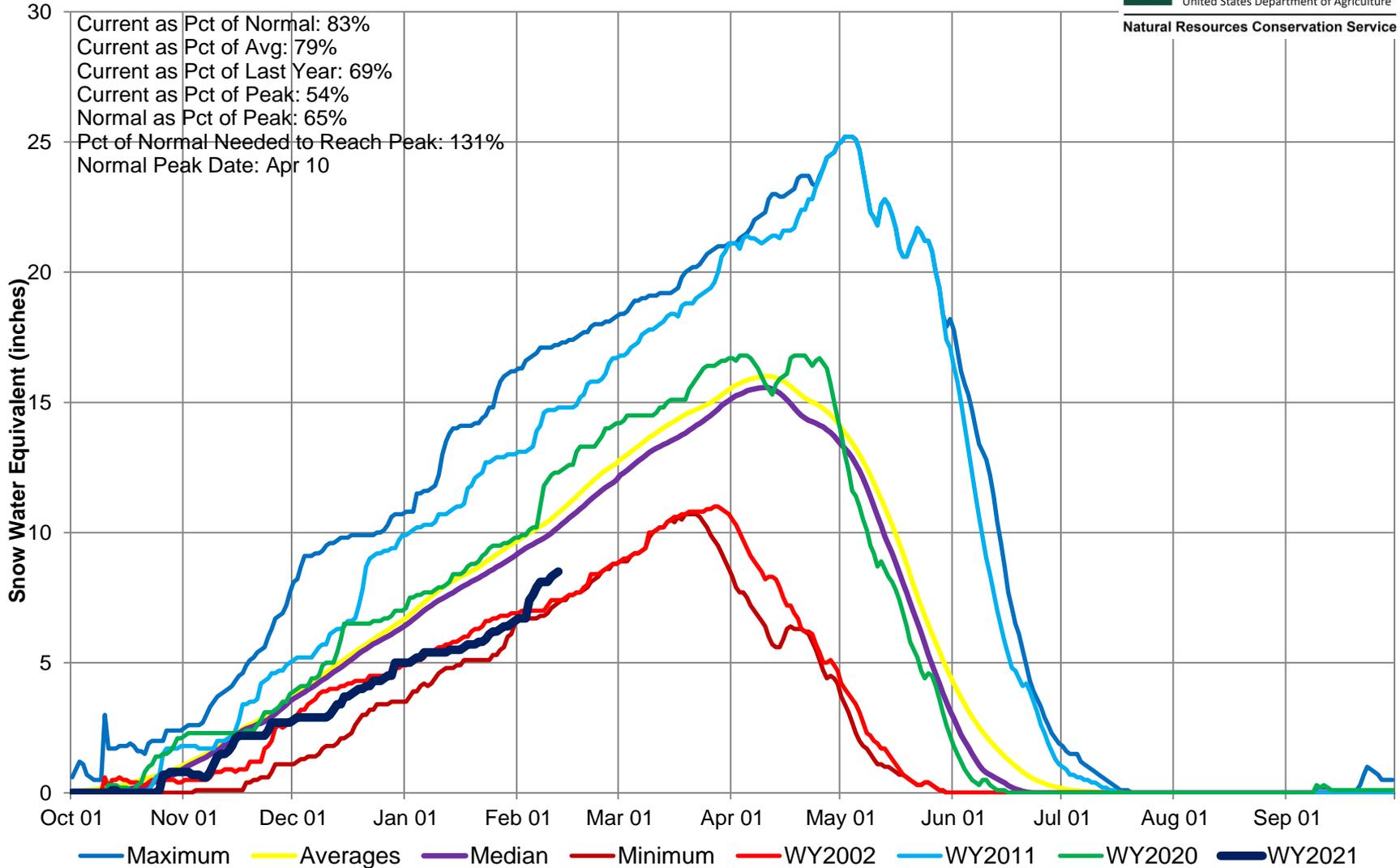




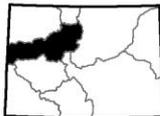
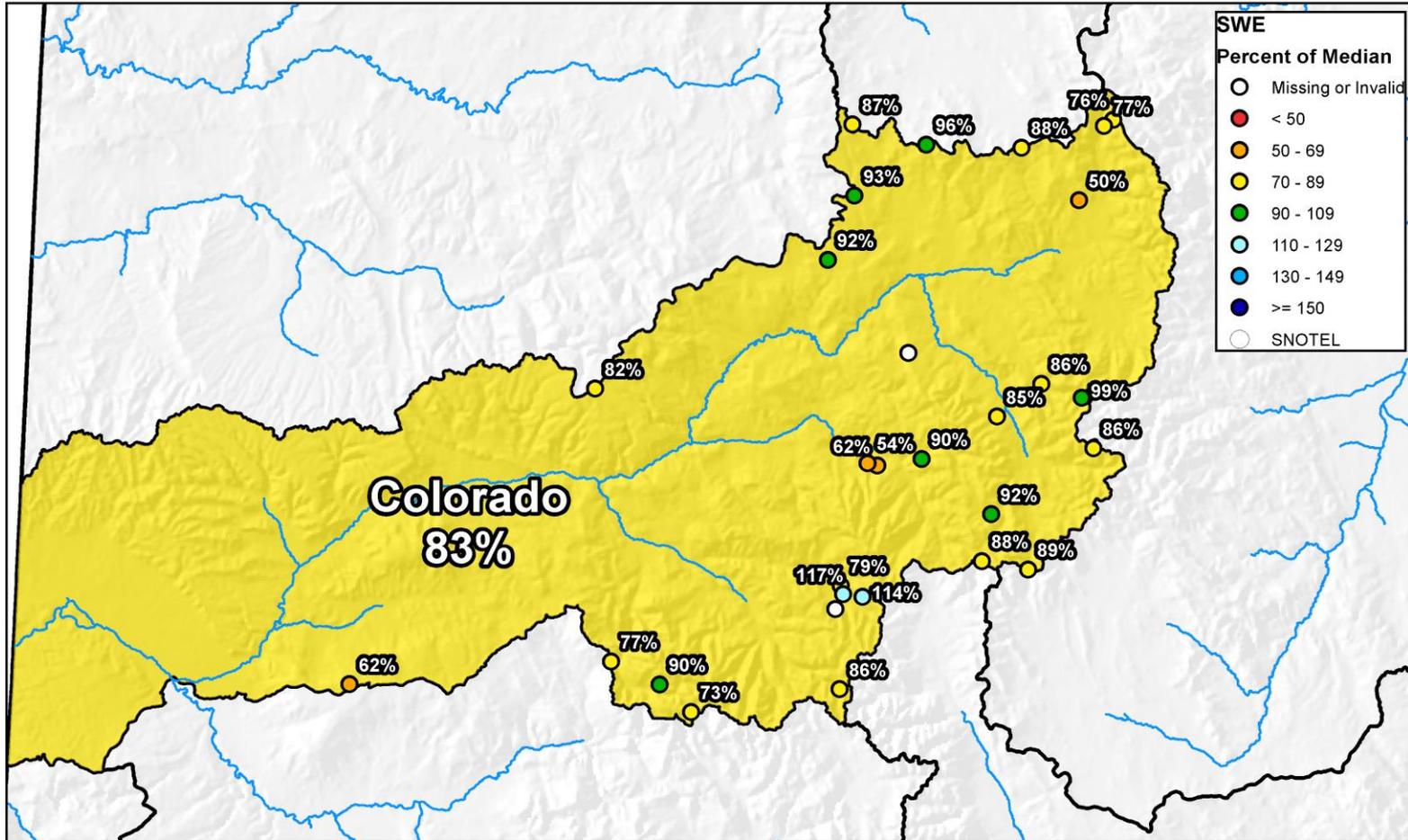


Upper Colorado River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Feb 12, 2021



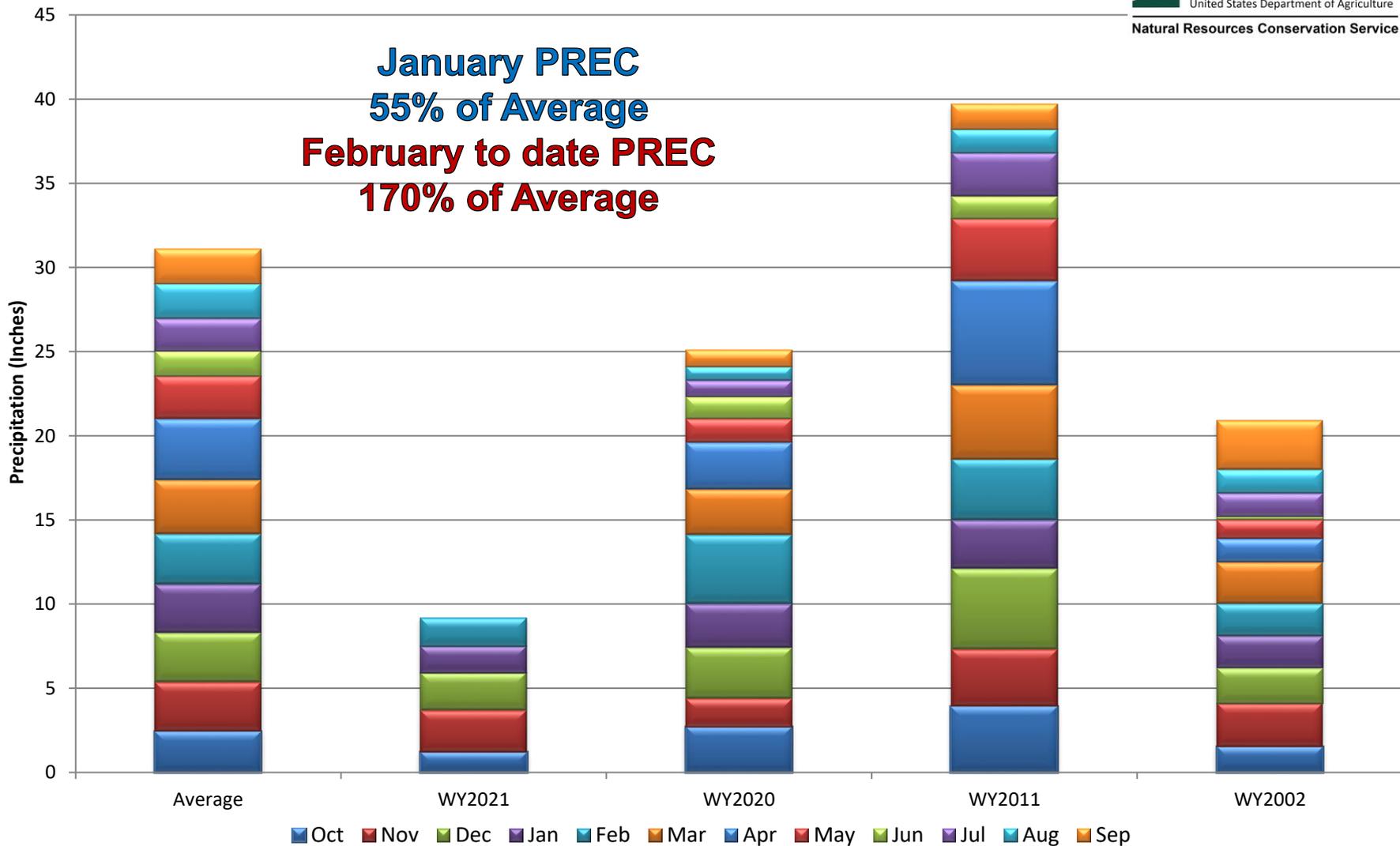
Upper Colorado River Basin Snow Water Equivalent (SWE) Summary Current as of Feb 12, 2021



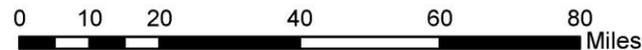
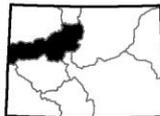
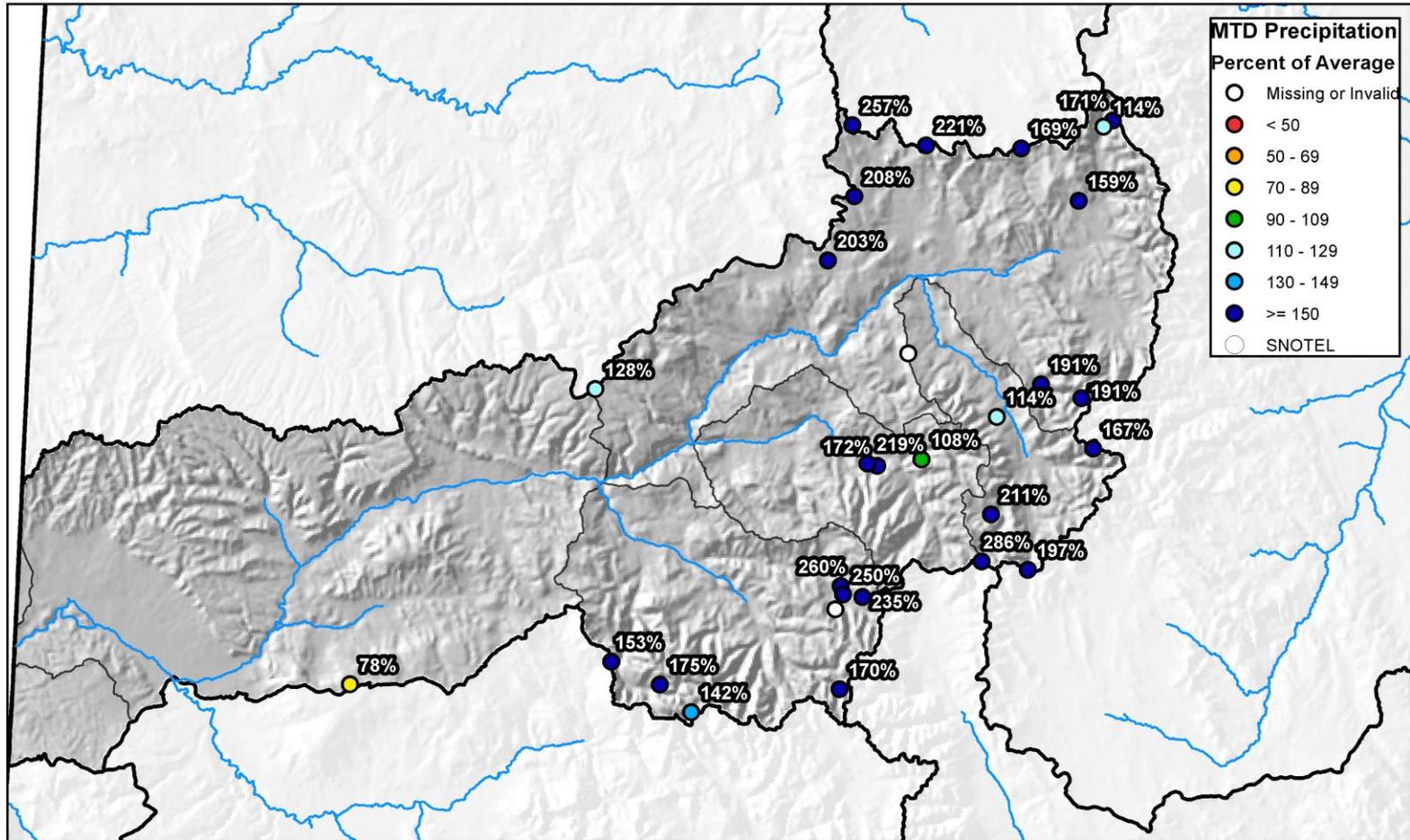
Upper Colorado River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Feb 12, 2021

January PREC
55% of Average
February to date PREC
170% of Average



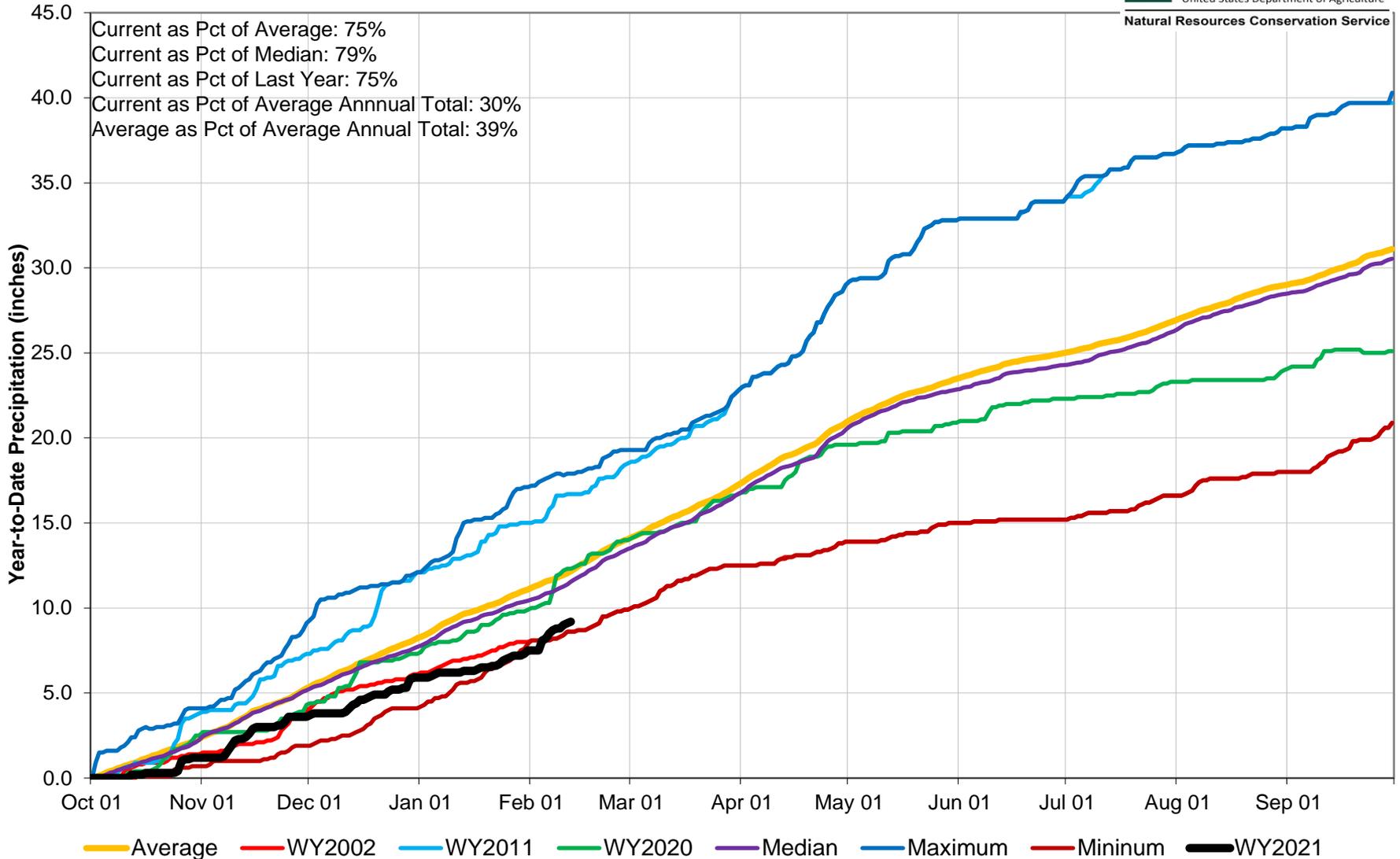
Upper Colorado River Basin Month to Date Precipitation Summary Current as of Feb 12, 2021





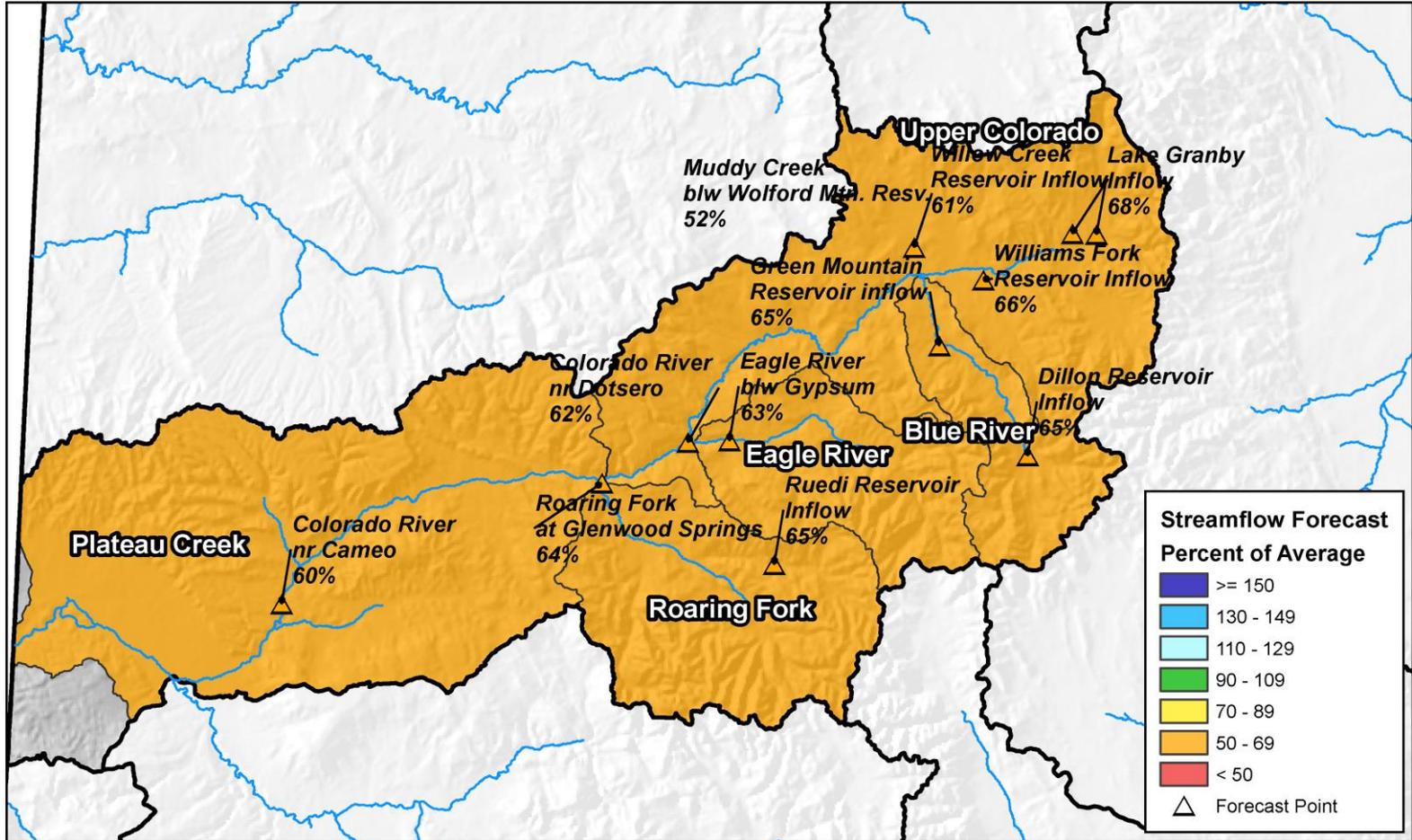
Upper Colorado River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Feb 12, 2021



Upper Colorado River Basin Streamflow Forecast Summary

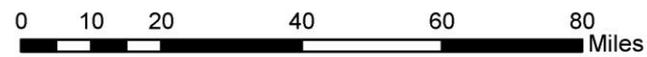
February 1, 2021

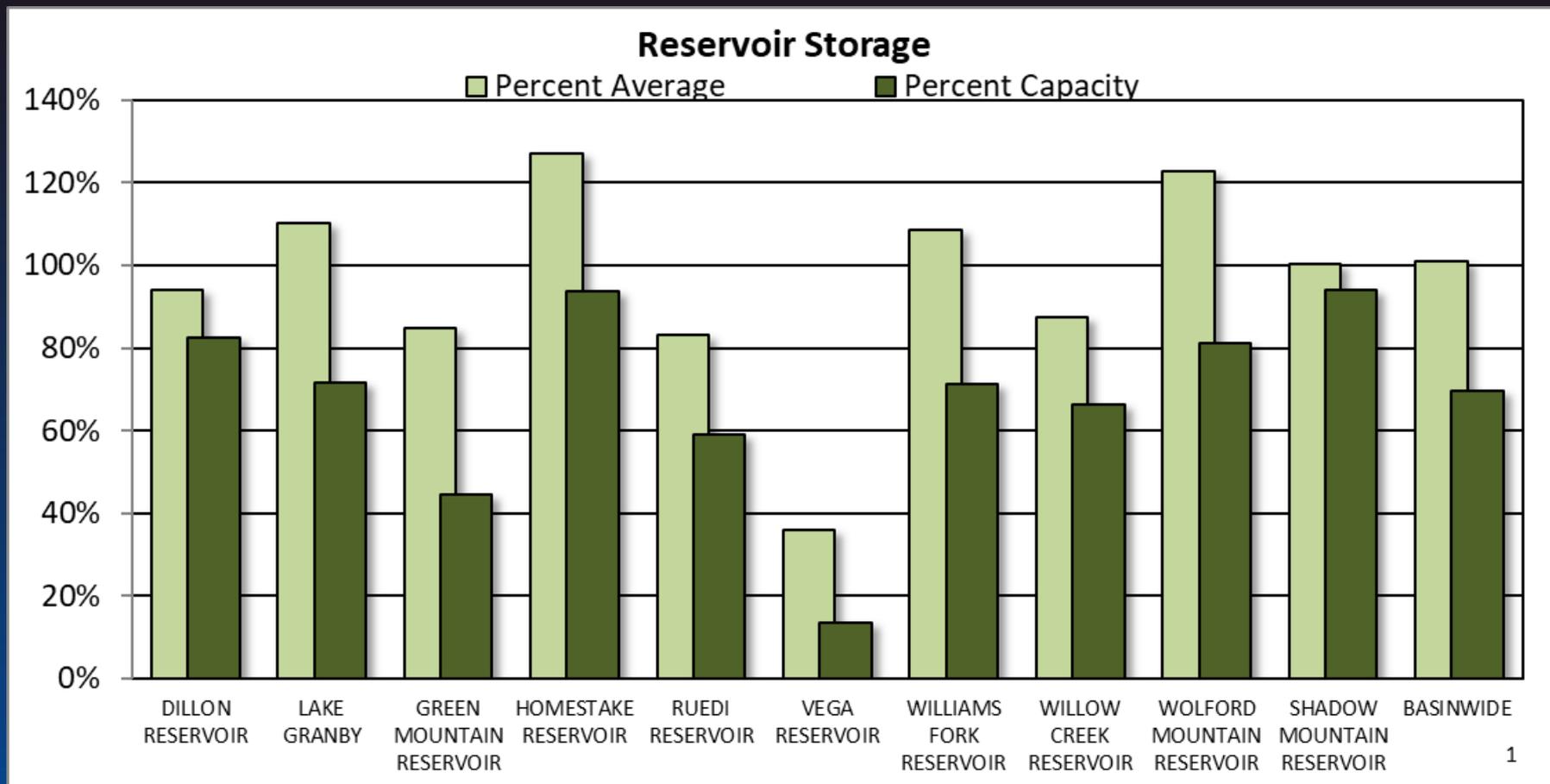


Streamflow Forecast Percent of Average

- >= 150
- 130 - 149
- 110 - 129
- 90 - 109
- 70 - 89
- 50 - 69
- < 50

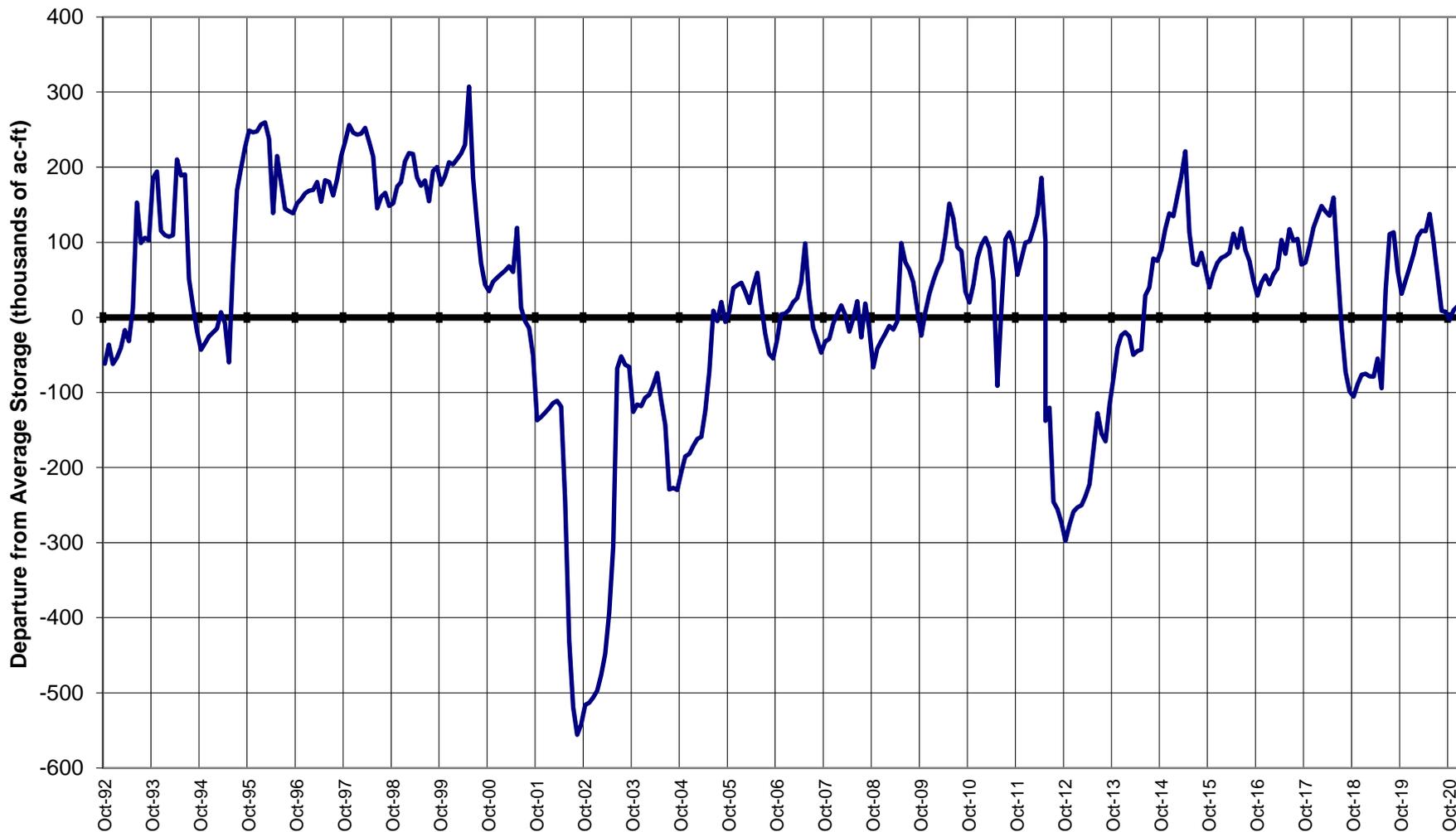
△ Forecast Point





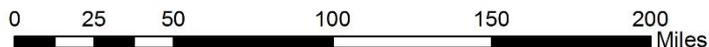
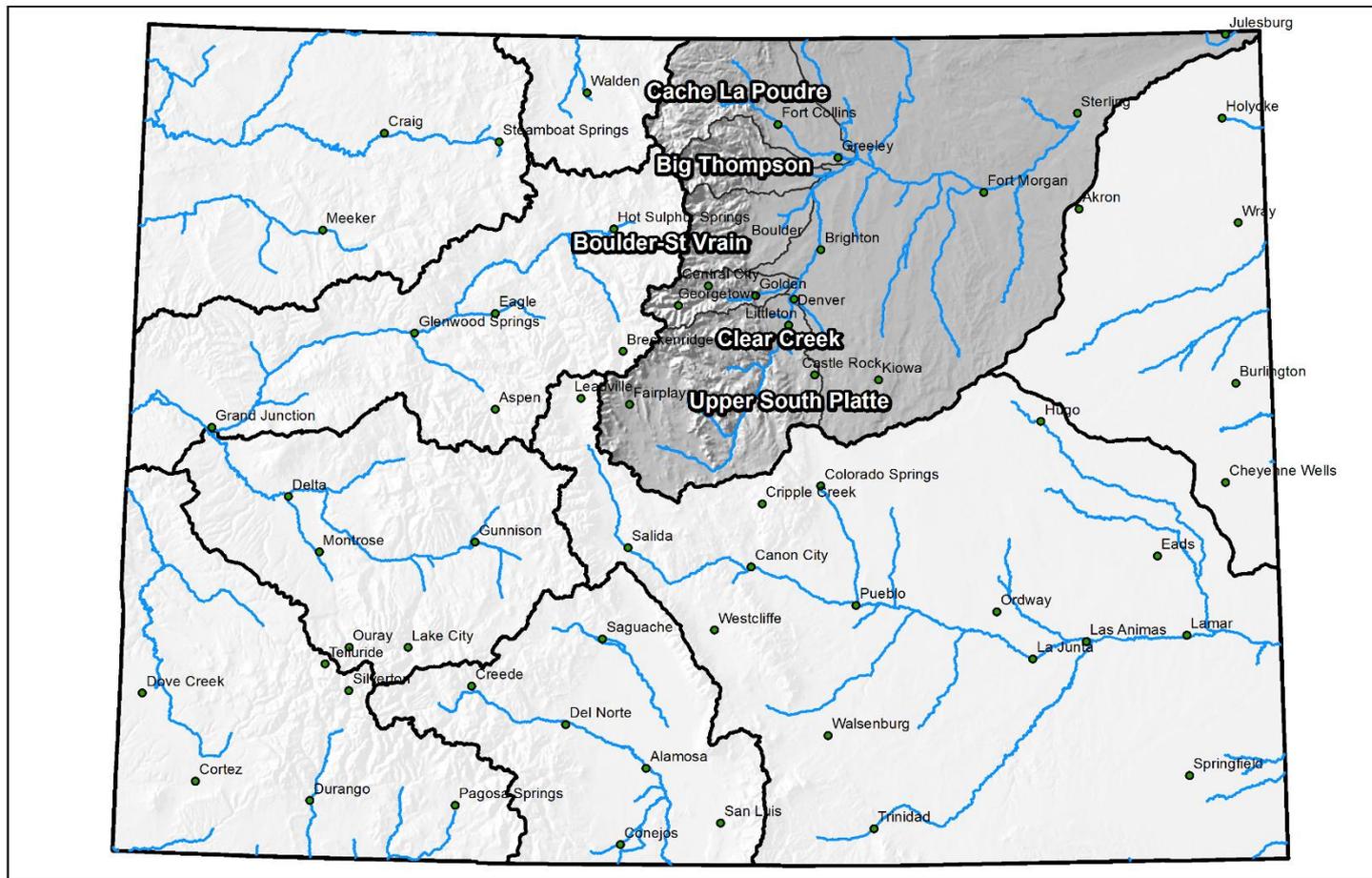


COLORADO RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

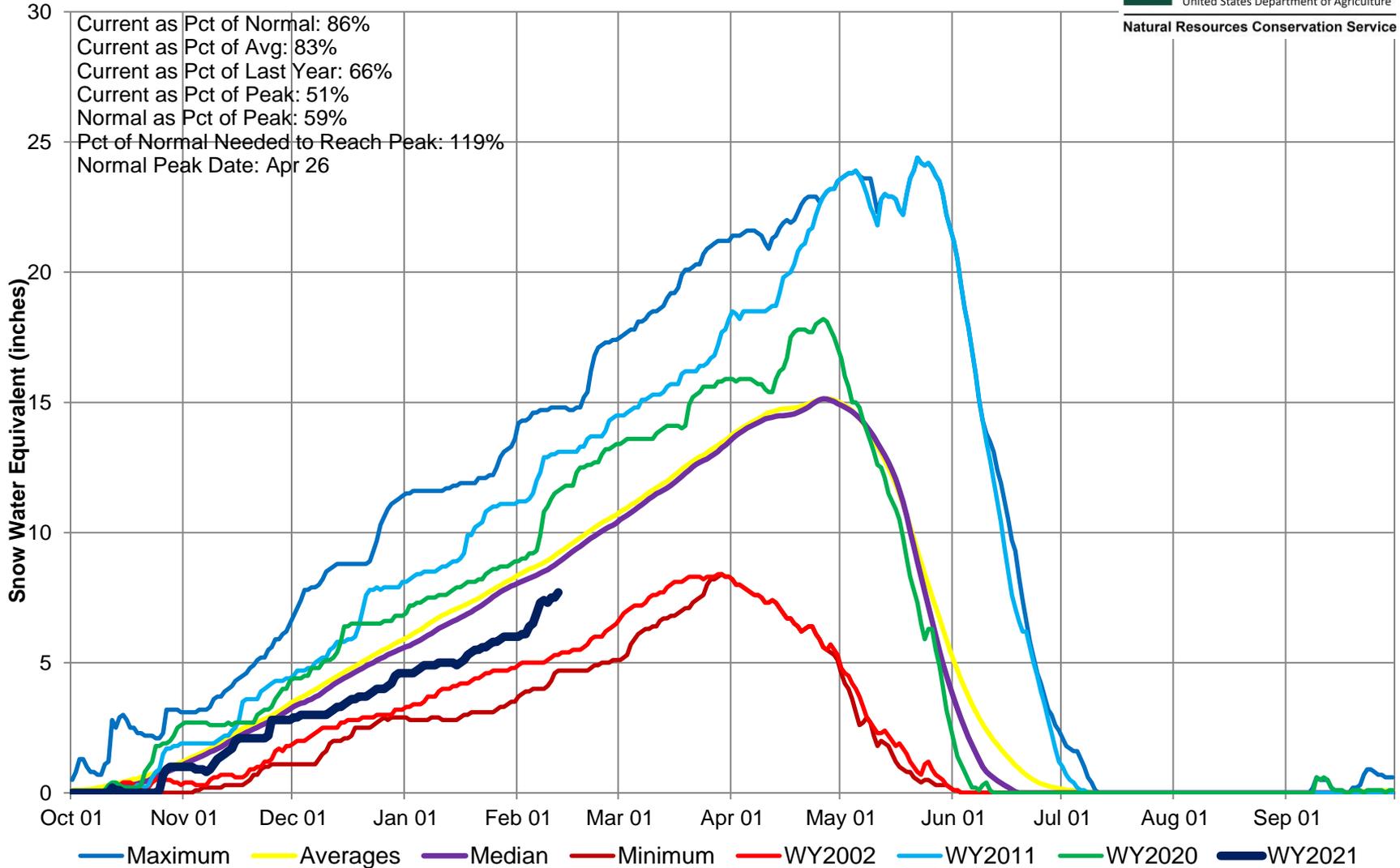
South Platte River Basin





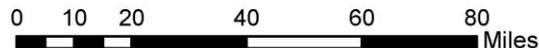
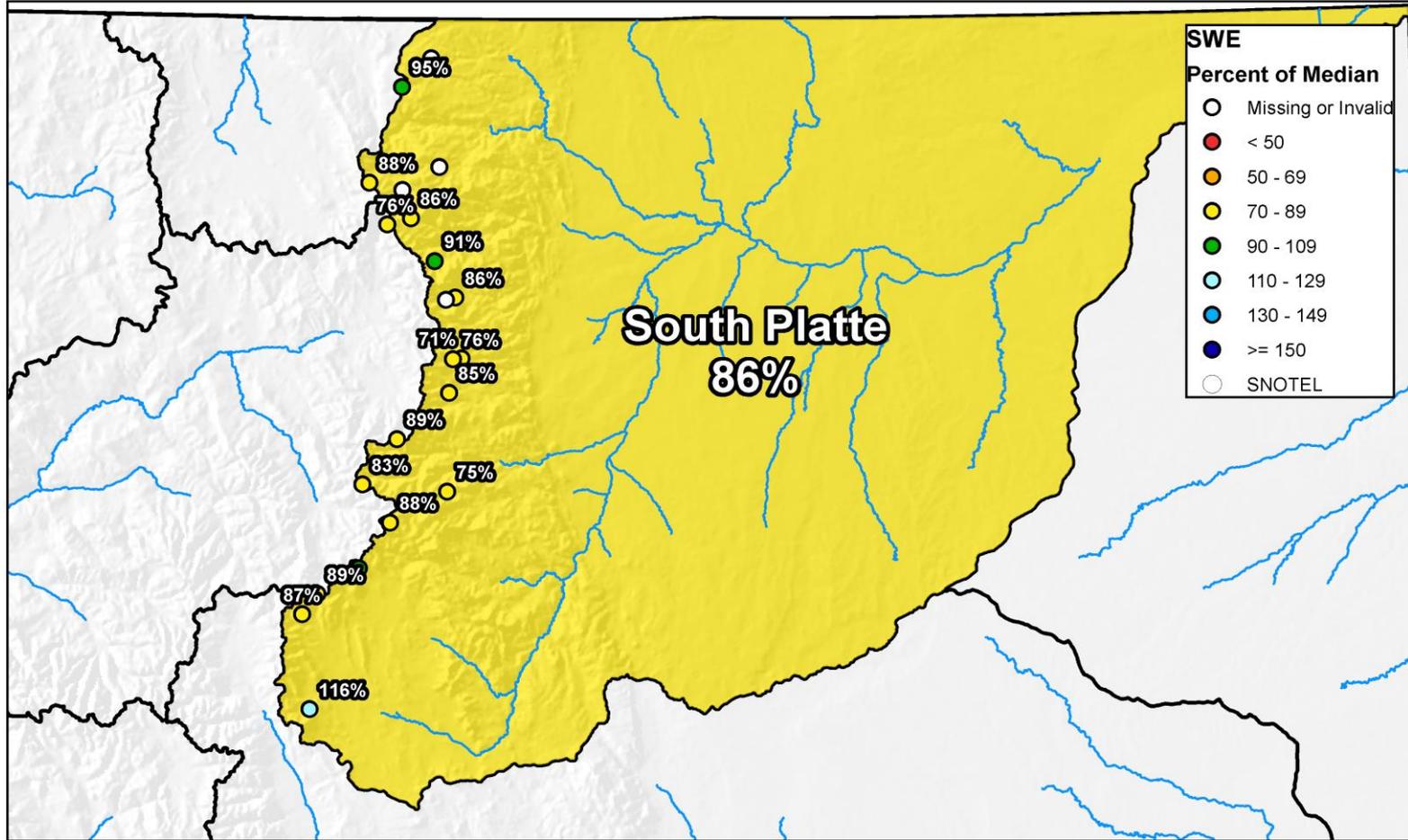
South Platte River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Feb 12, 2021



South Platte River Basin Snow Water Equivalent (SWE) Summary

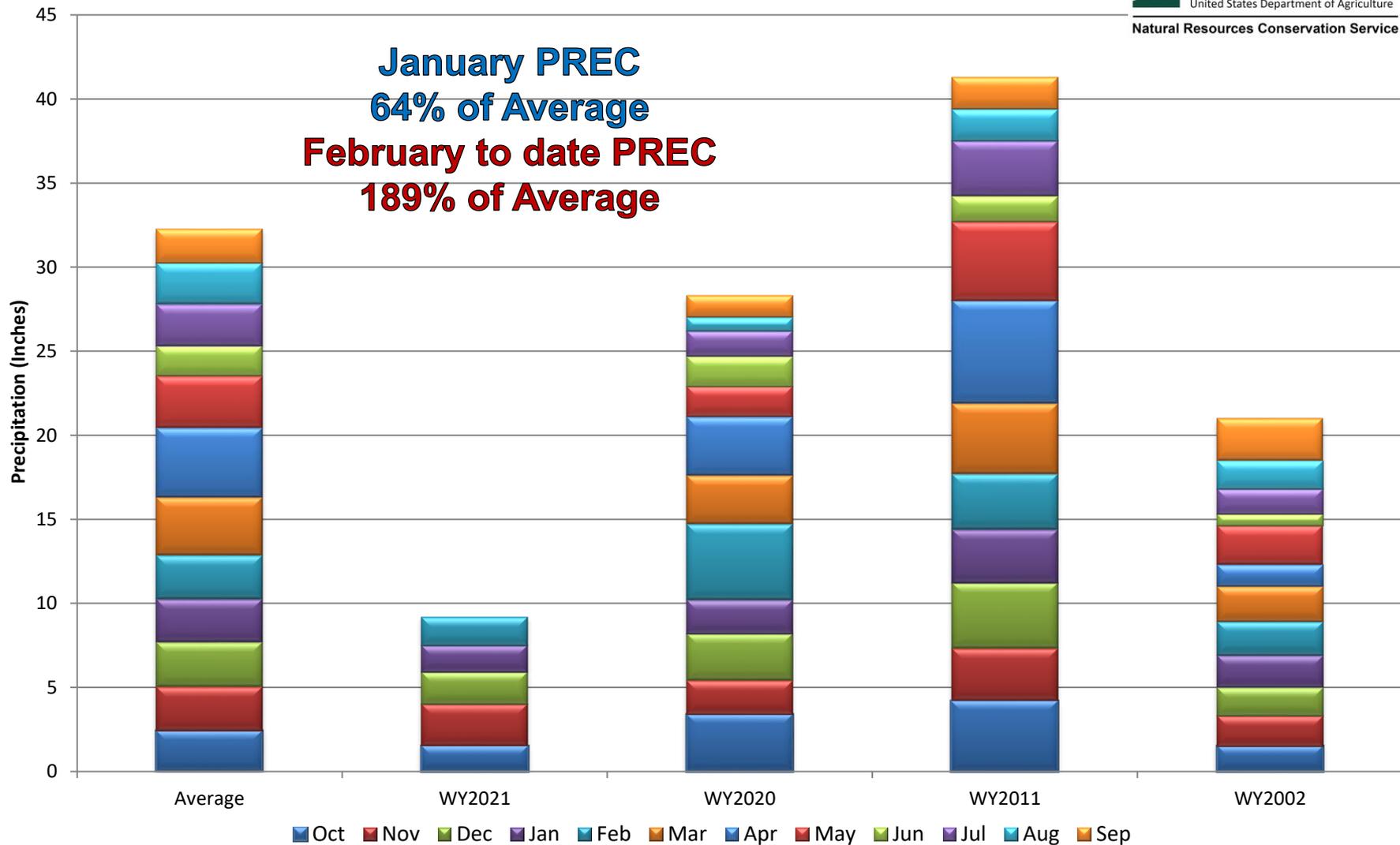
Current as of Feb 12, 2021



South Platte River Basin High/Low Monthly Precipitation Summary

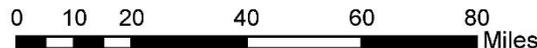
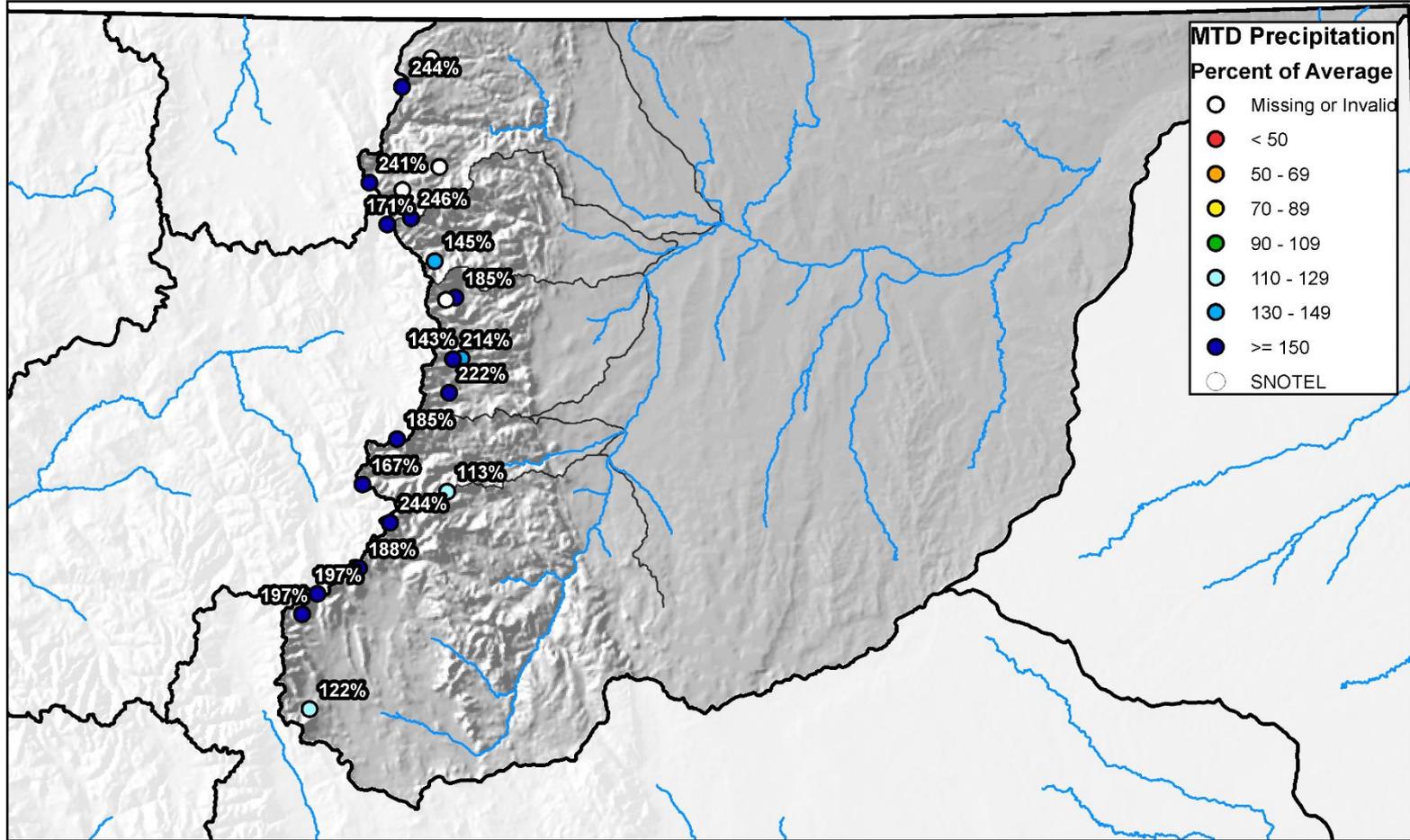
Based on Provisional SNOTEL data as of Feb 12, 2021

January PREC
64% of Average
February to date PREC
189% of Average



South Platte River Basin Month to Date Precipitation Summary

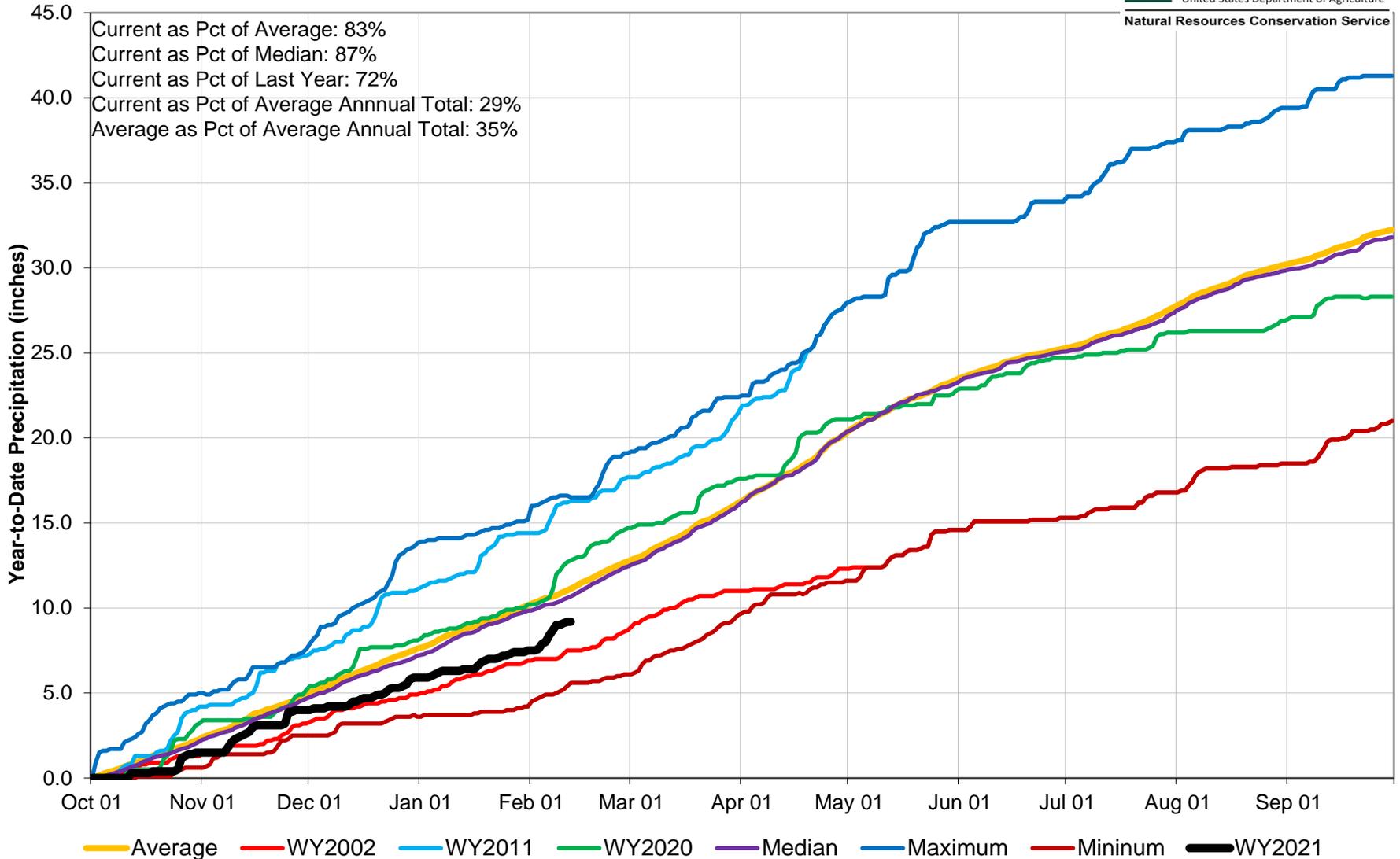
Current as of Feb 12, 2021





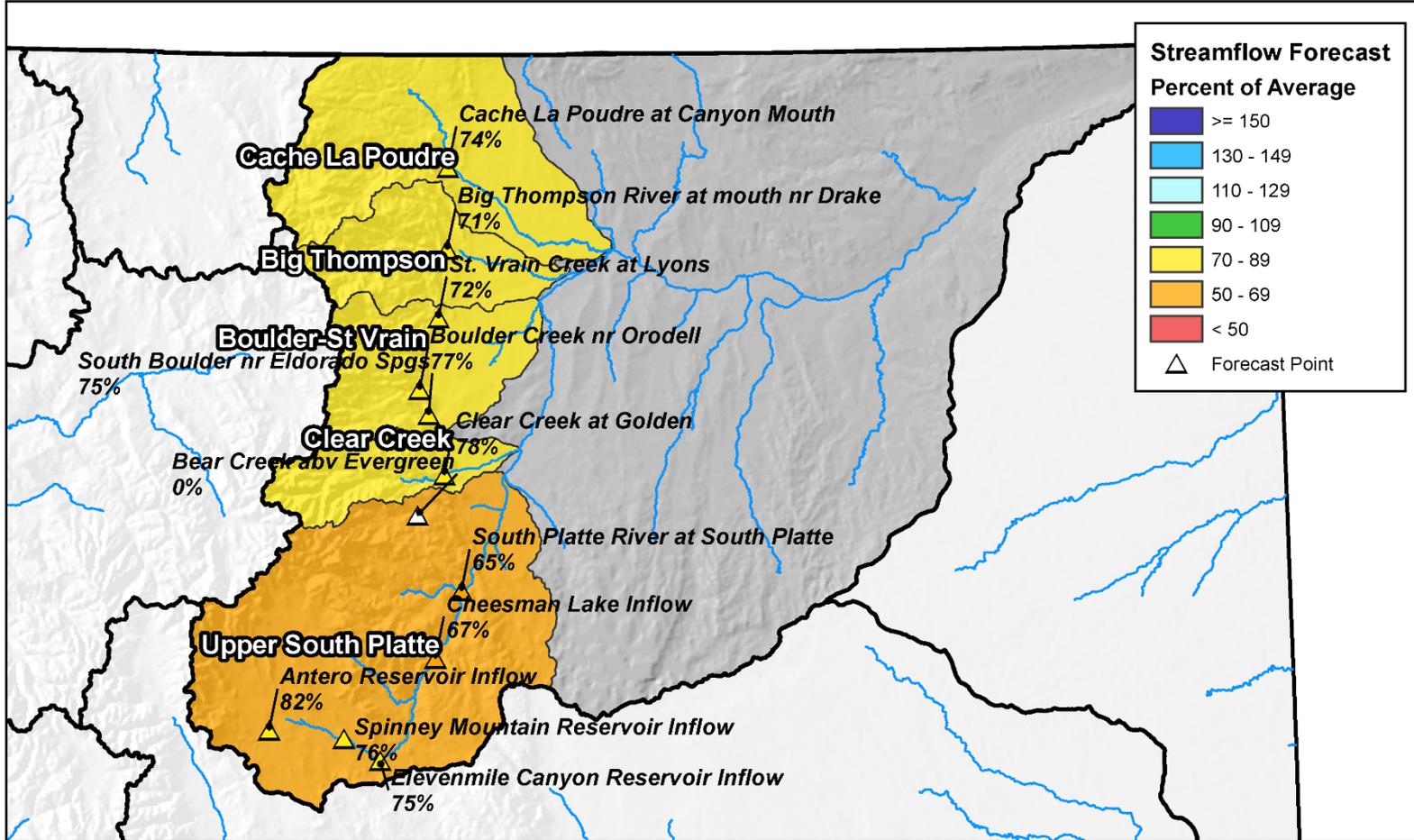
South Platte River Basin High/Low Year-to-Date Precipitation Summary

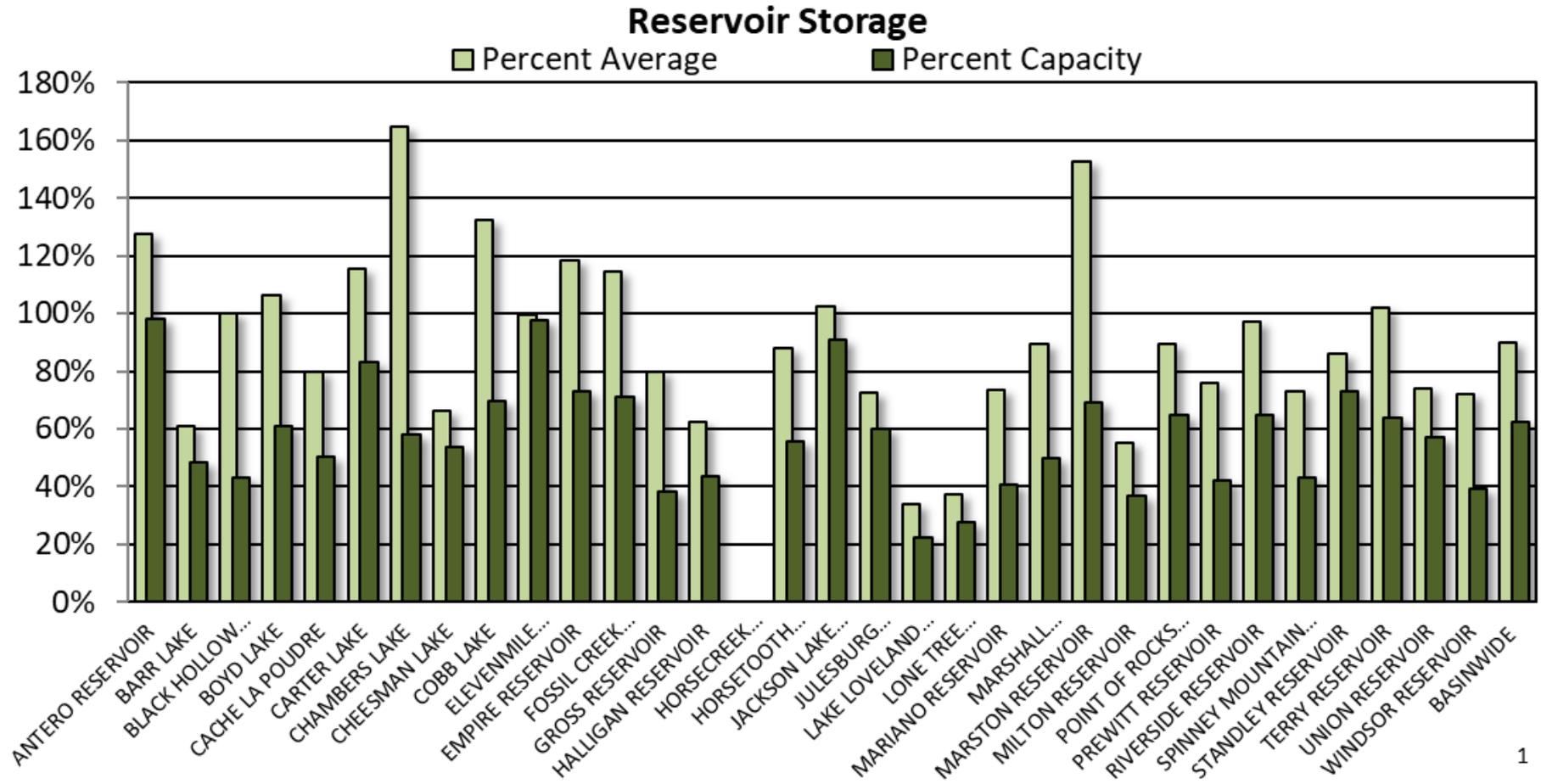
Based on Provisional SNOTEL data as of Feb 12, 2021



South Platte River Basin Streamflow Forecast Summary

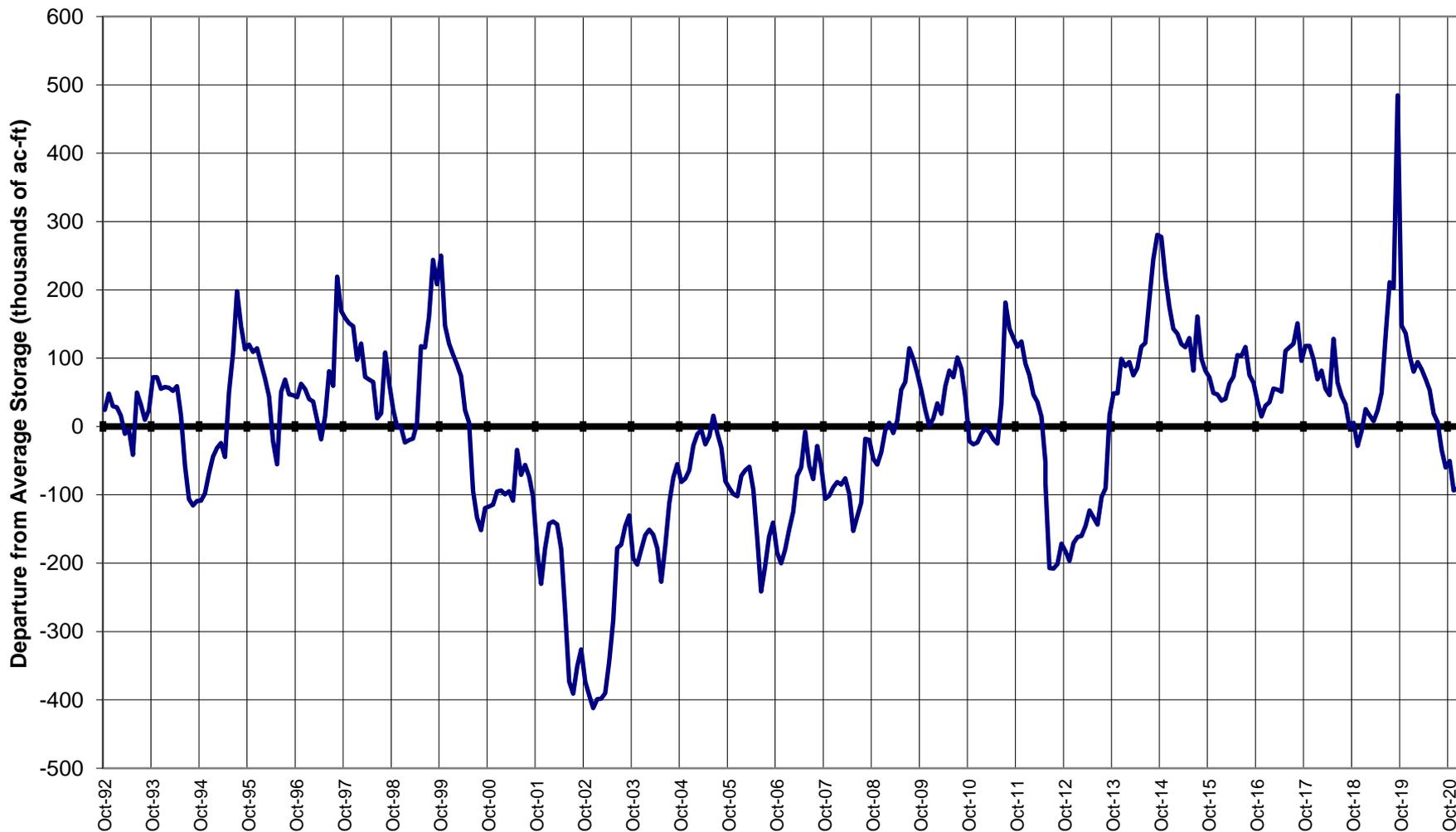
February 1, 2021





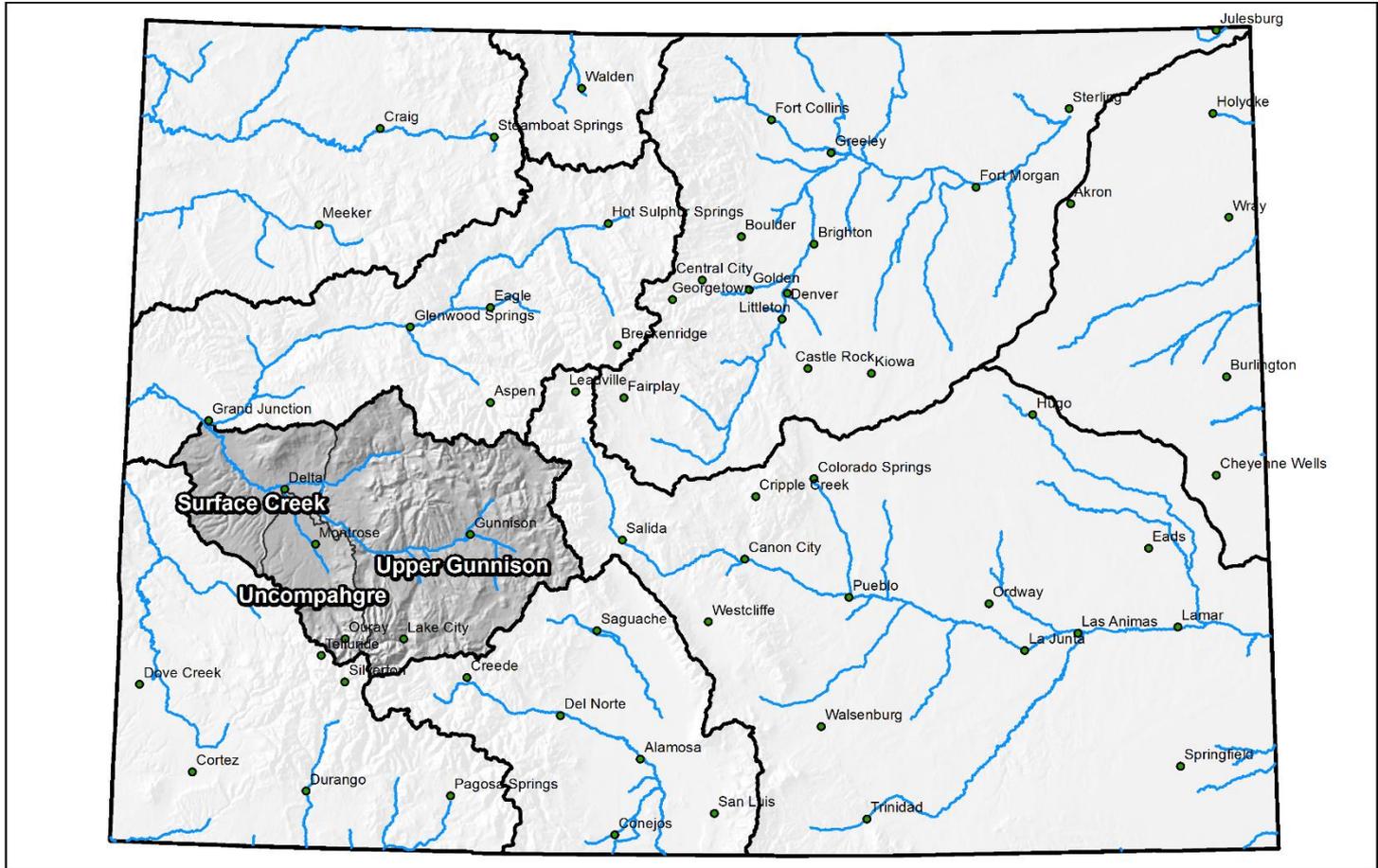


SOUTH PLATTE RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

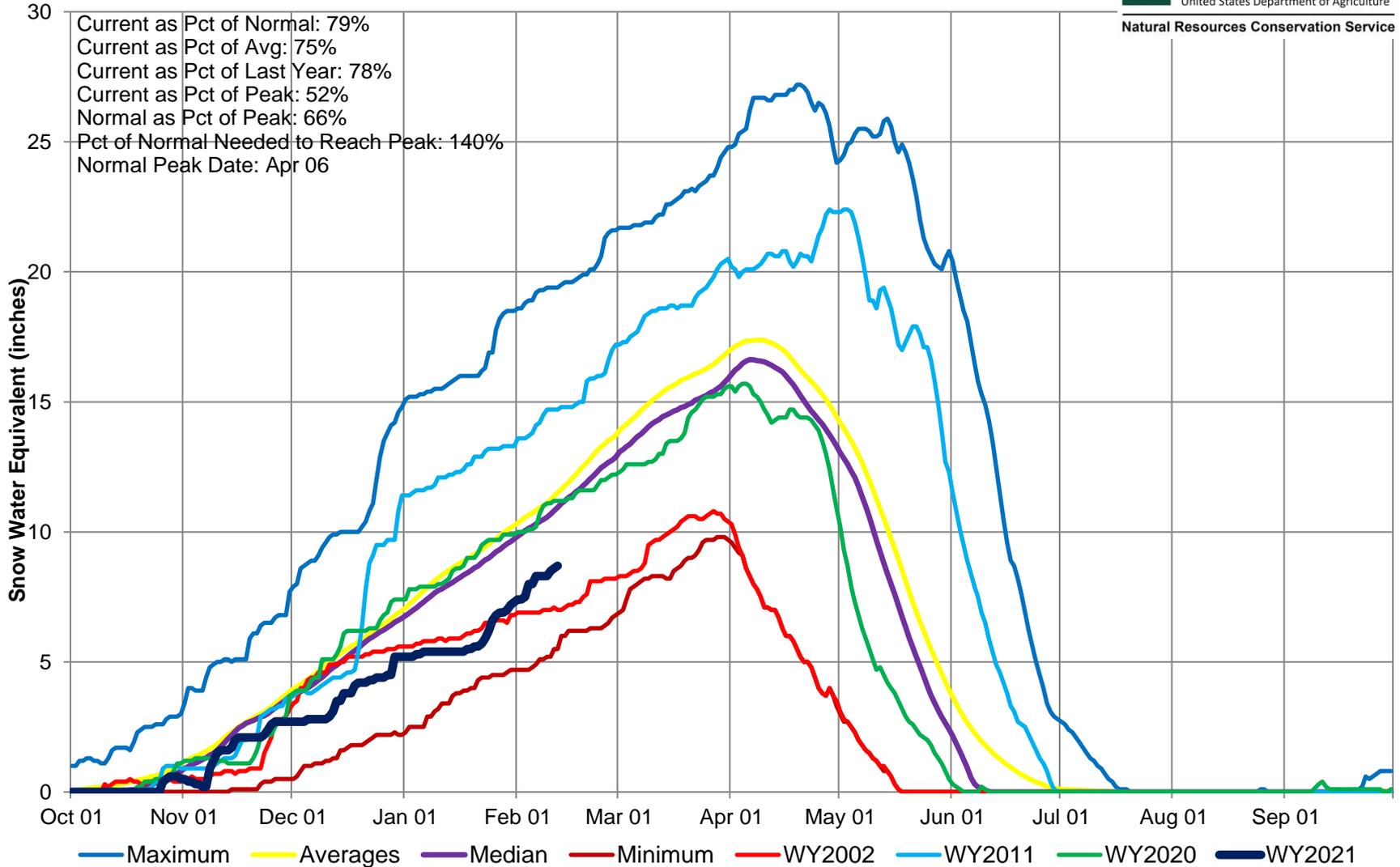
Gunnison River Basin





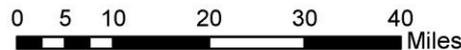
Gunnison River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Feb 12, 2021



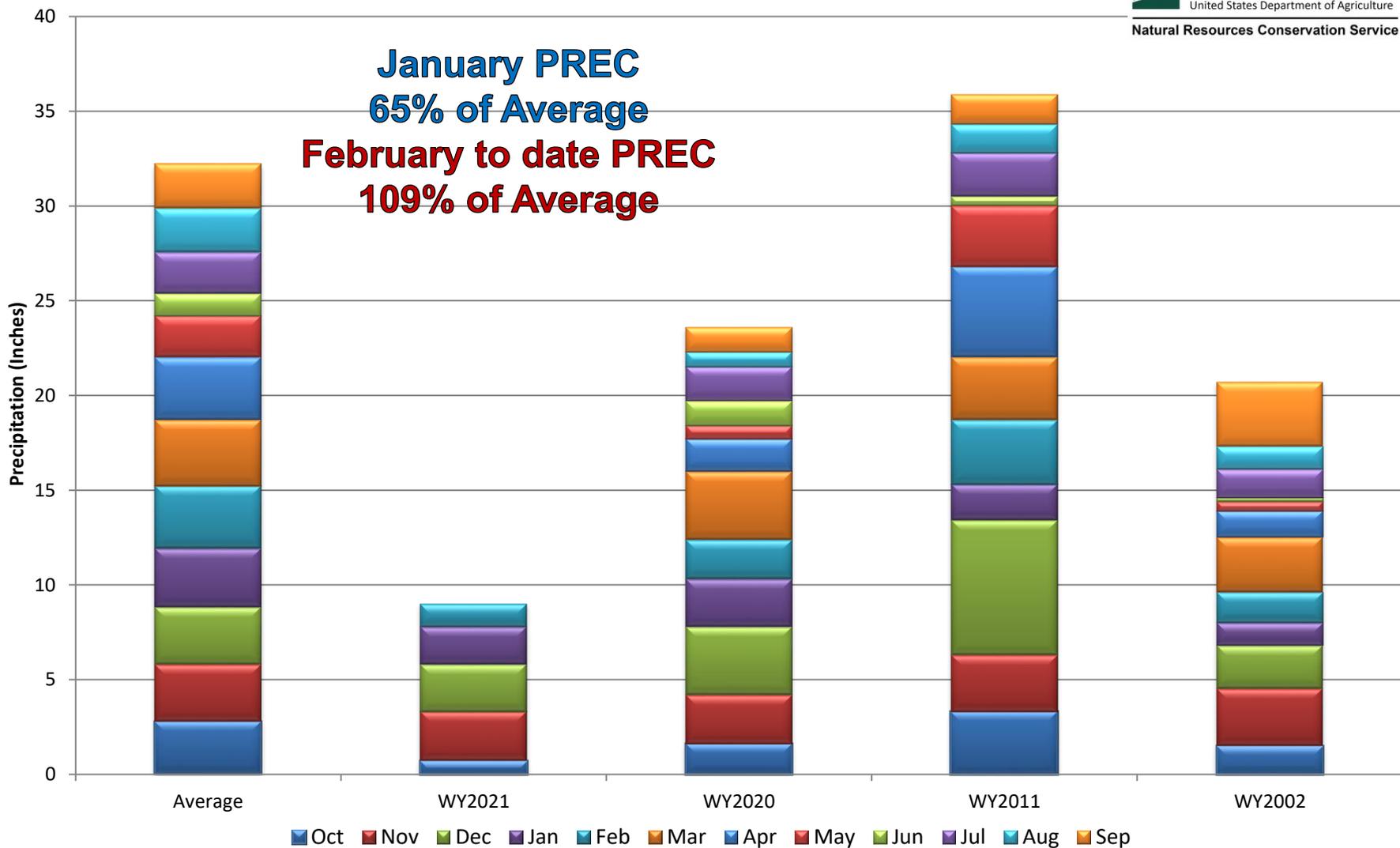
Gunnison River Basin Snow Water Equivalent (SWE) Summary

Current as of Feb 12, 2021

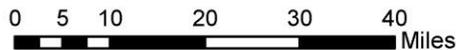
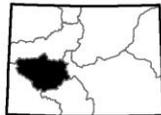
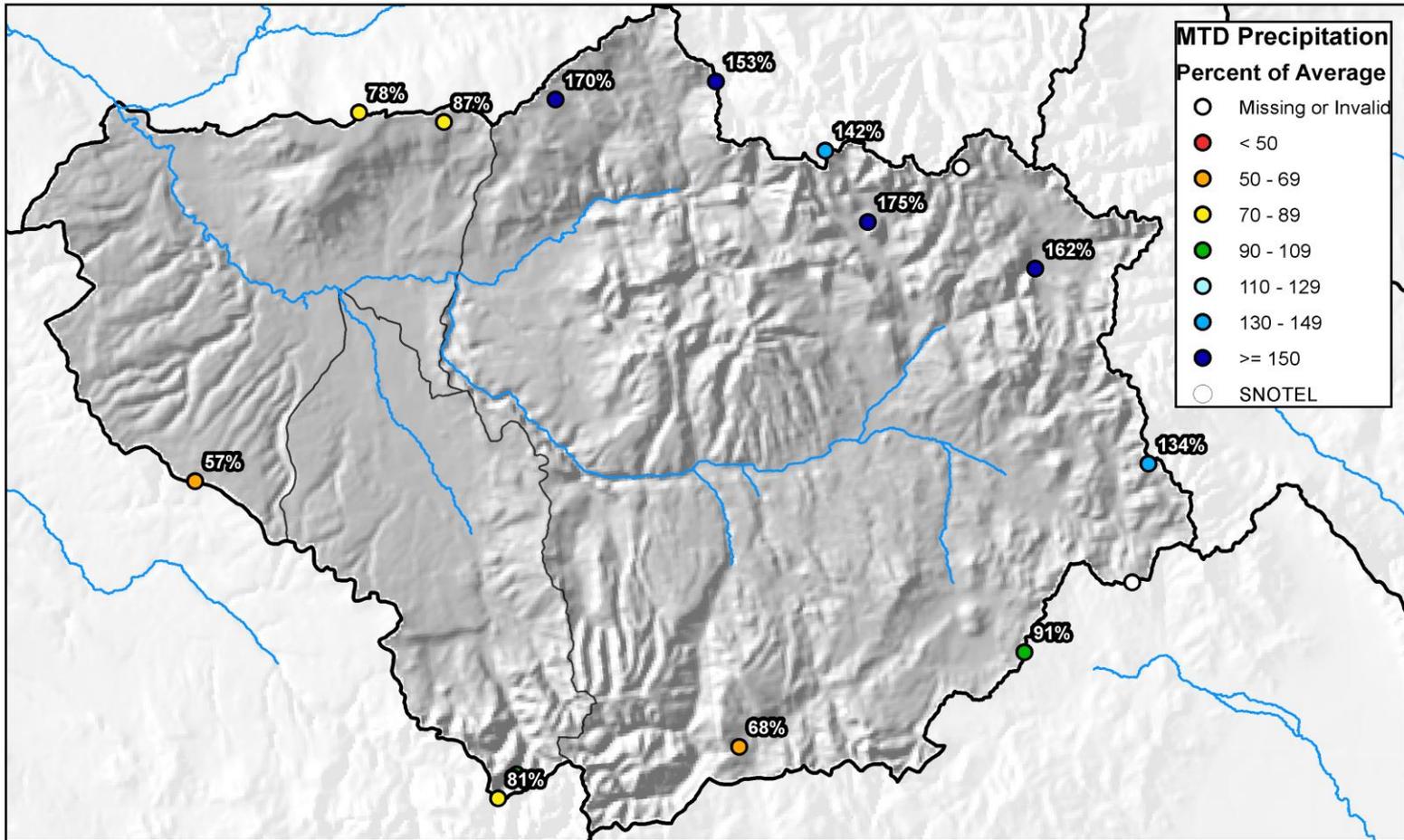


Gunnison River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Feb 12, 2021



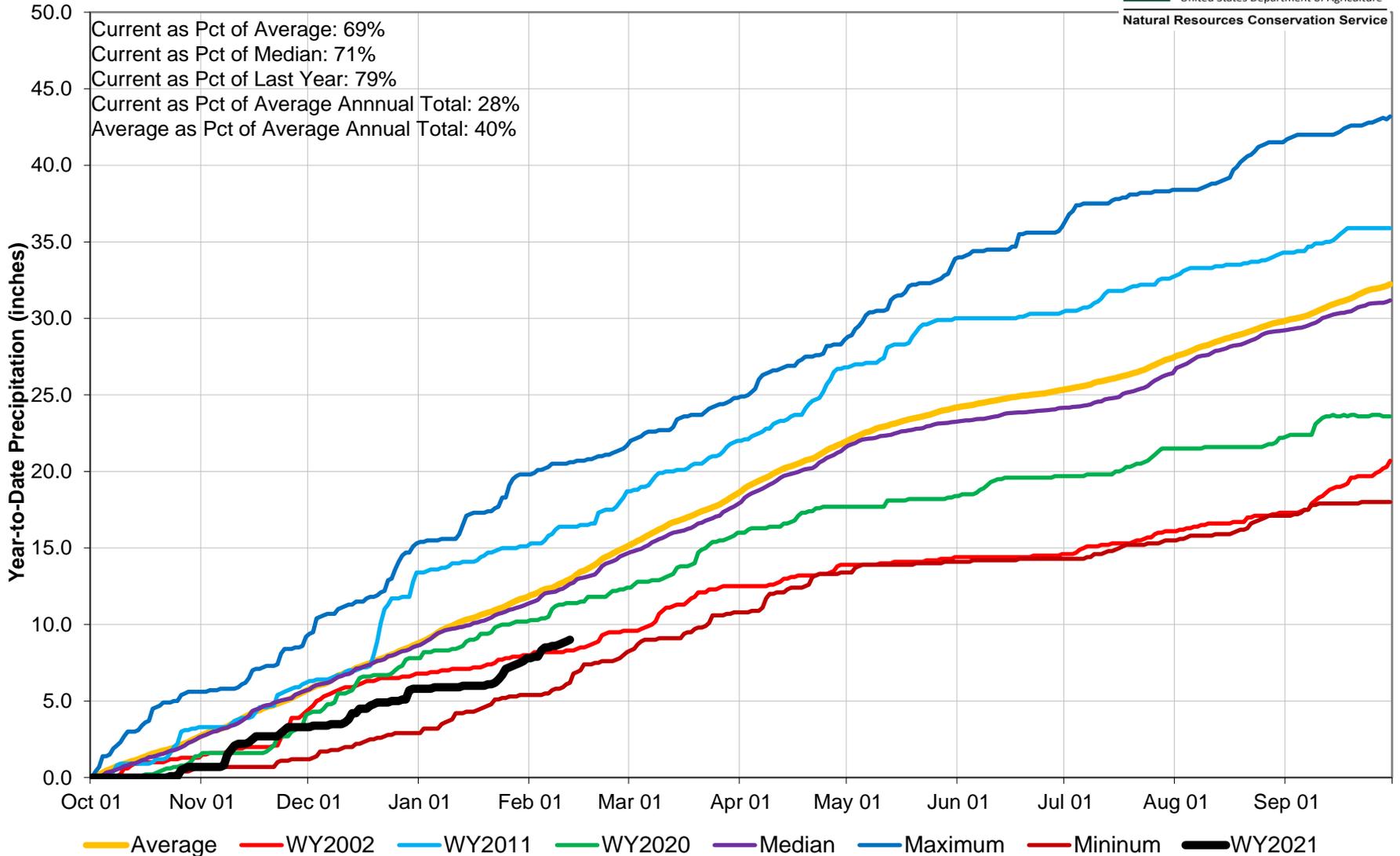
Gunnison River Basin Month to Date Precipitation Summary Current as of Feb 12, 2021





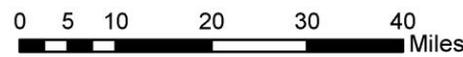
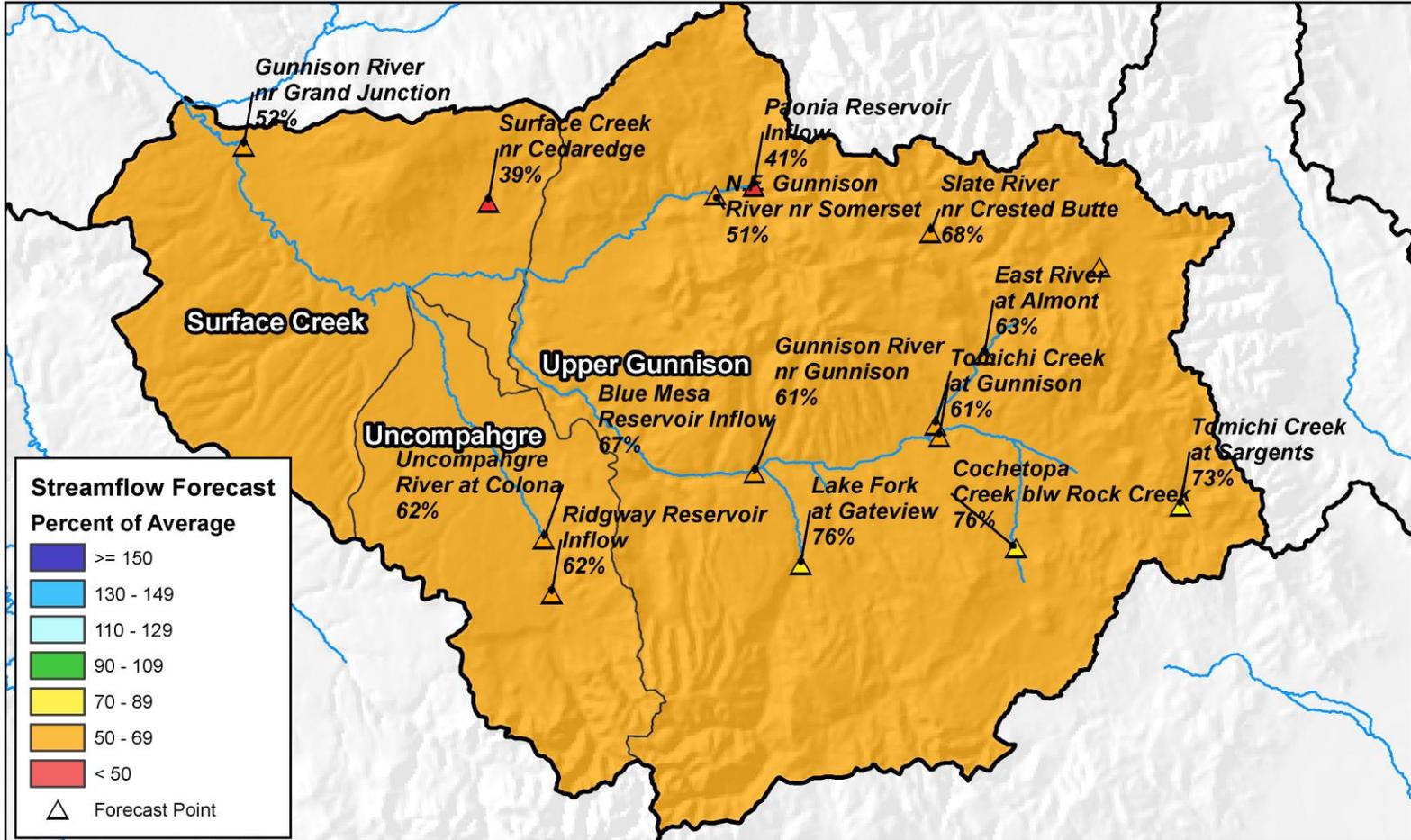
Gunnison River Basin High/Low Year-to-Date Precipitation Summary

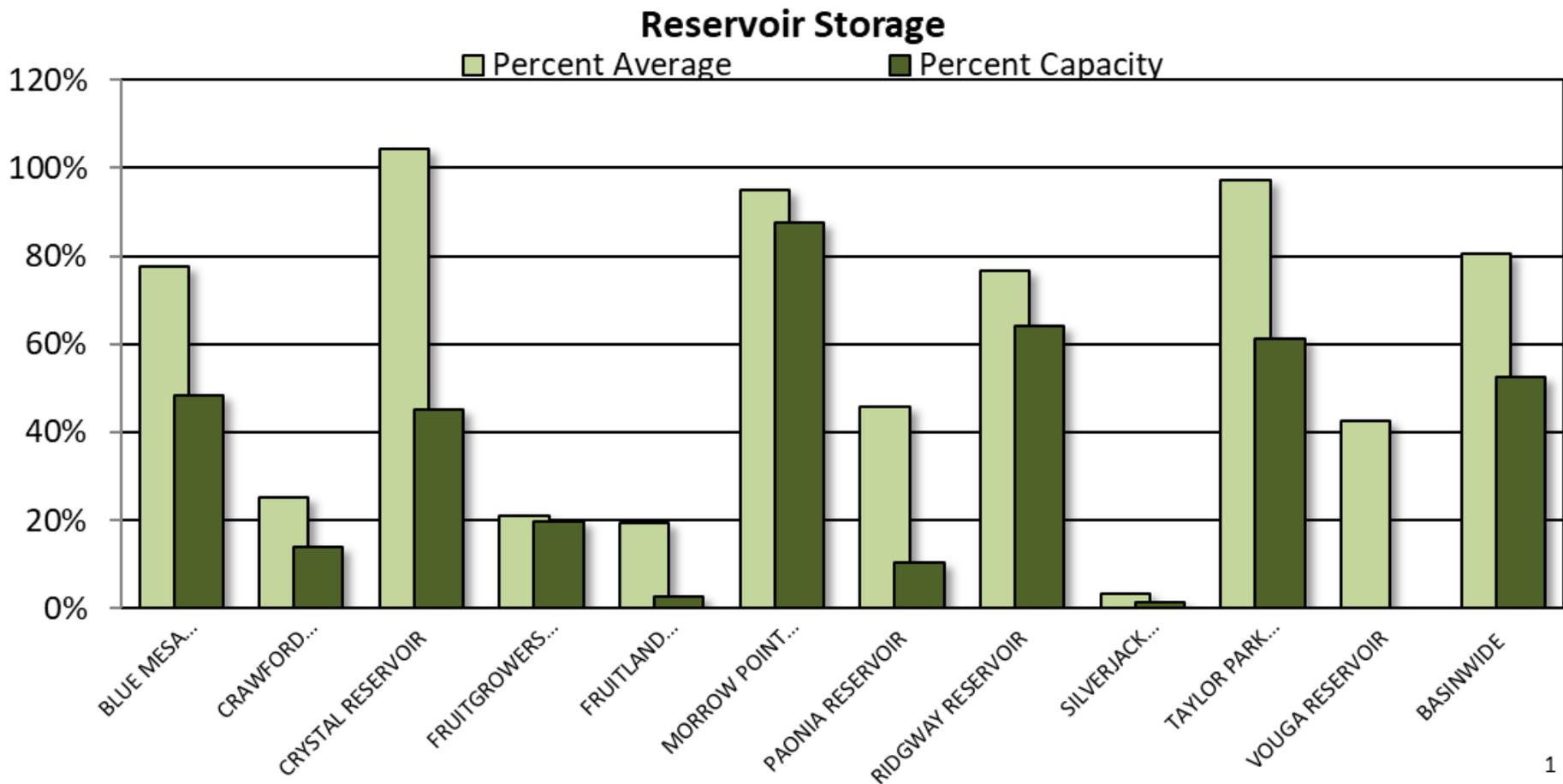
Based on Provisional SNOTEL data as of Feb 12, 2021



Gunnison River Basin Water Supply Forecast Summary

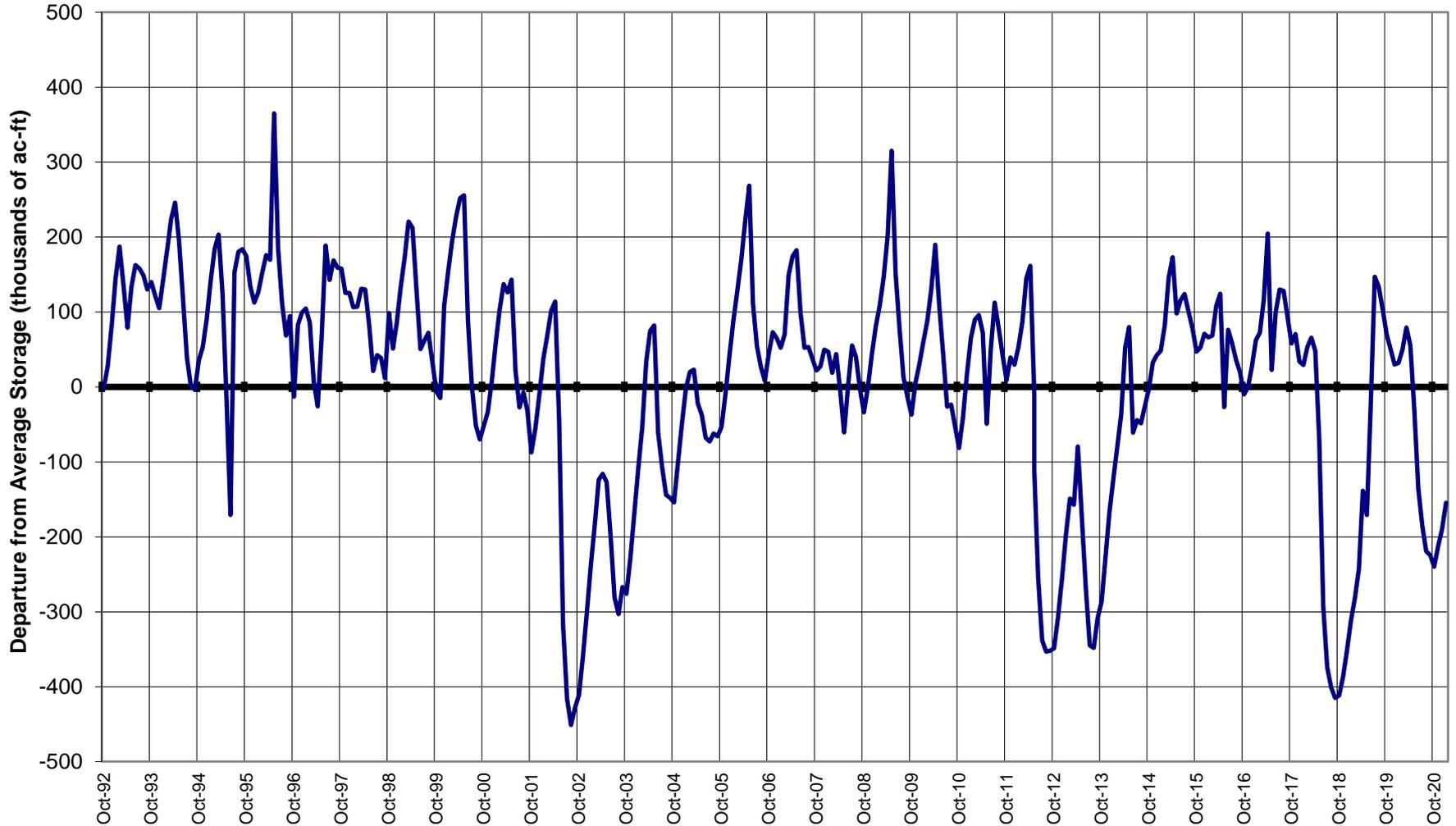
February 1, 2021





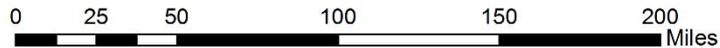
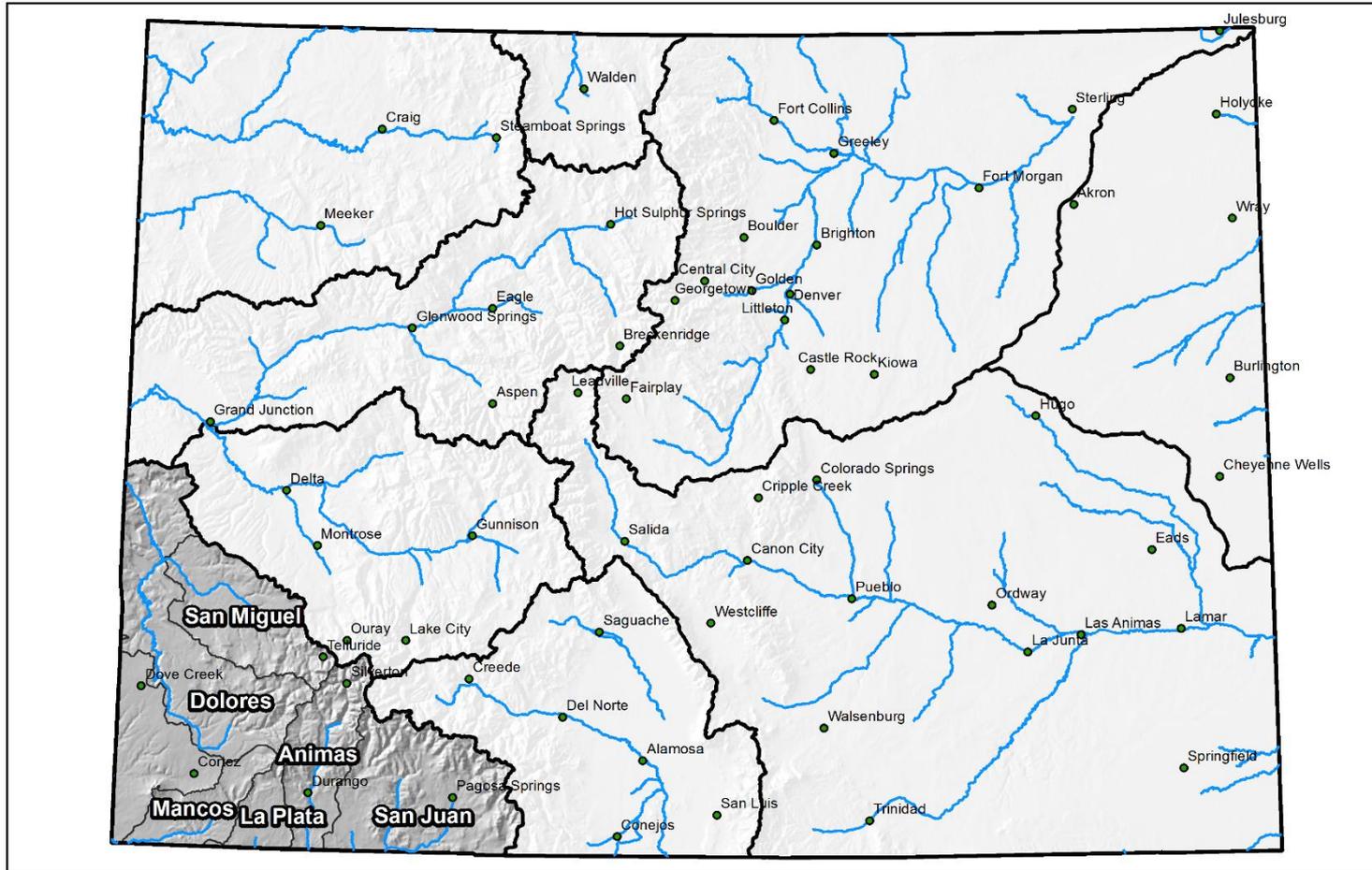


GUNNISON RIVER BASIN Reservoir Storage Departure from Average



Major Basin Summary

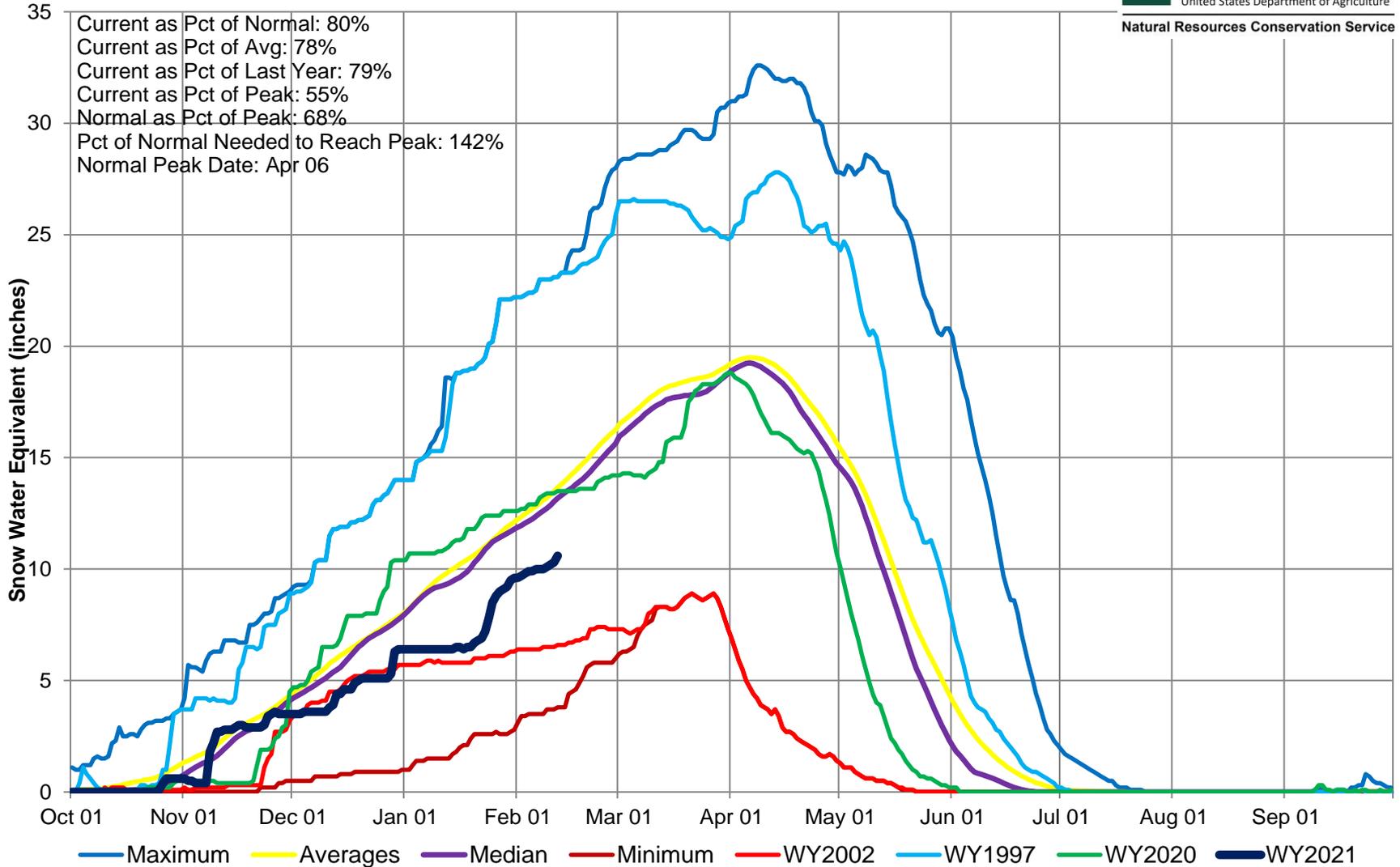
San Miguel, Dolores, Animas, and San Juan River Basins





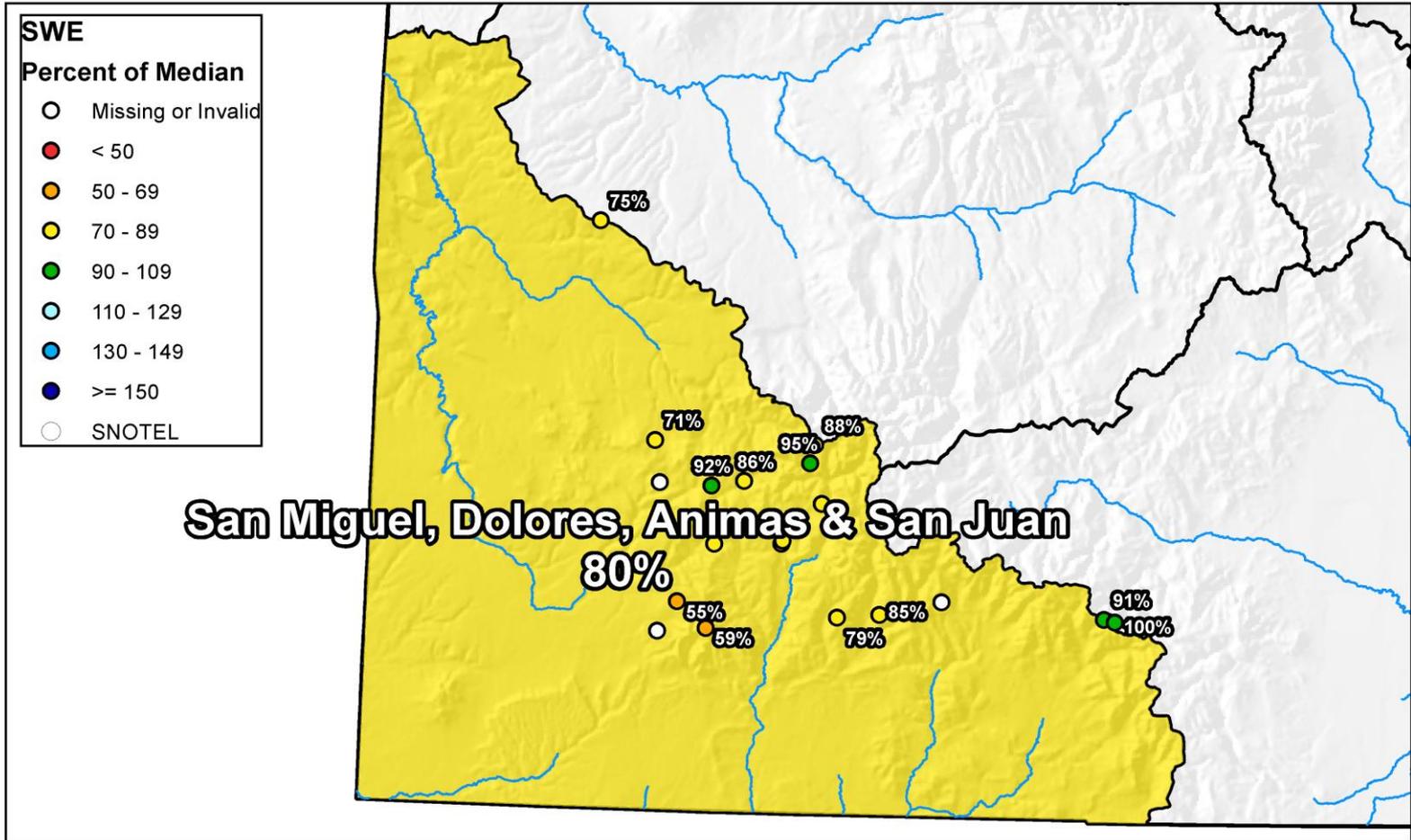
San Miguel, Dolores, Animas and San Juan River Basins High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Feb 12, 2021

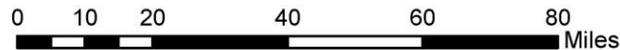
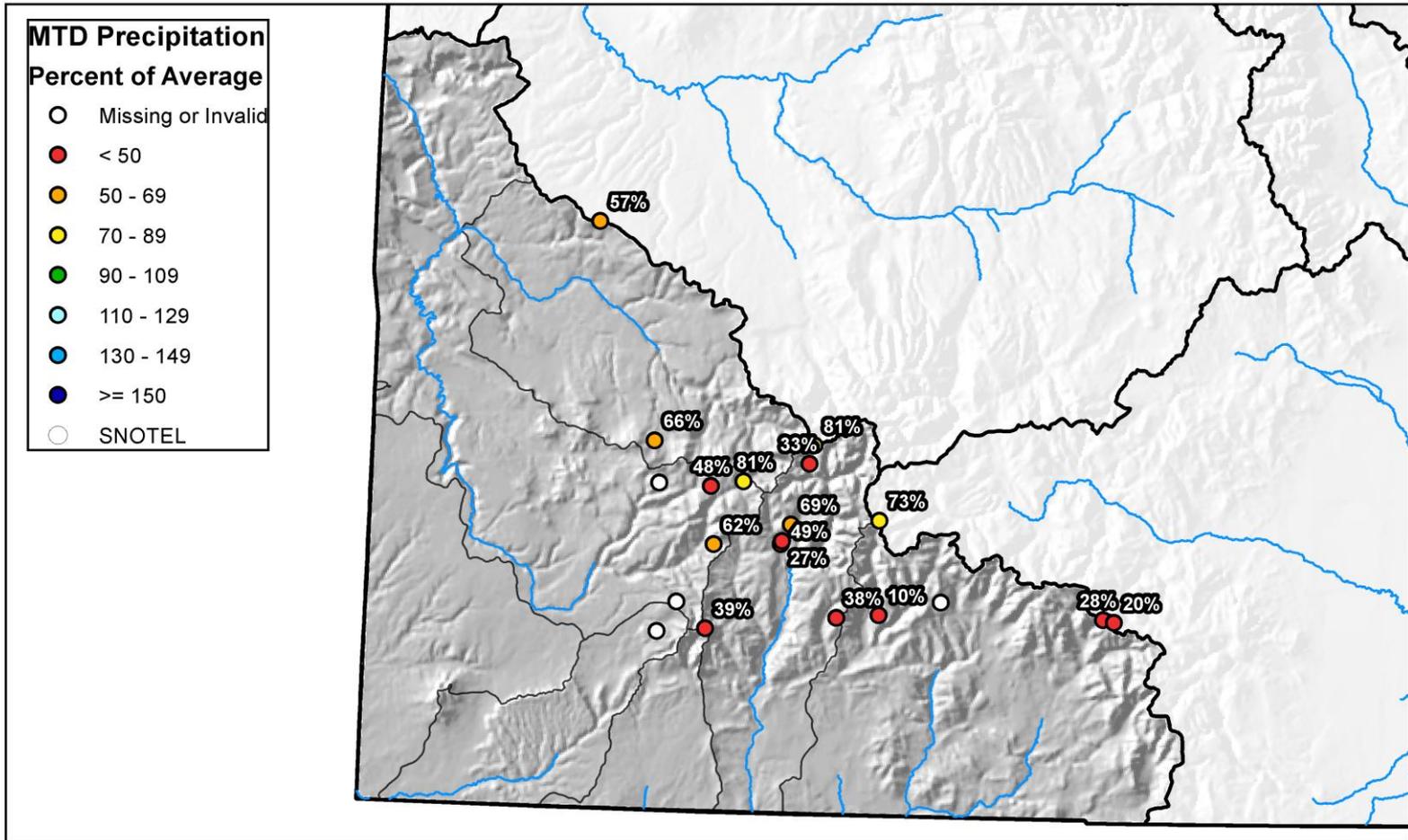


San Miguel, Dolores, Animas, and San Juan River Basins Snow Water Equivalent (SWE) Summary

Current as of Feb 12, 2021

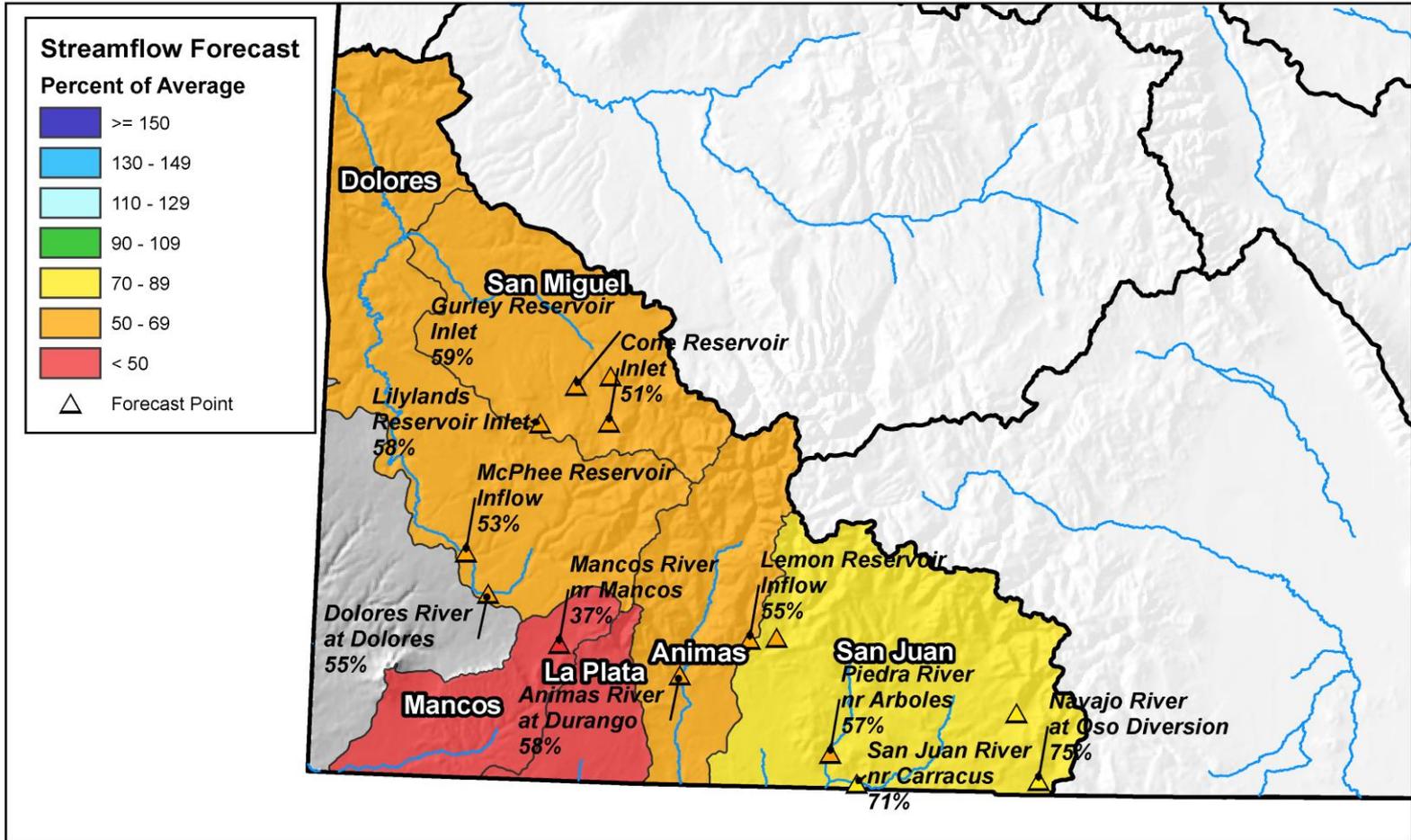


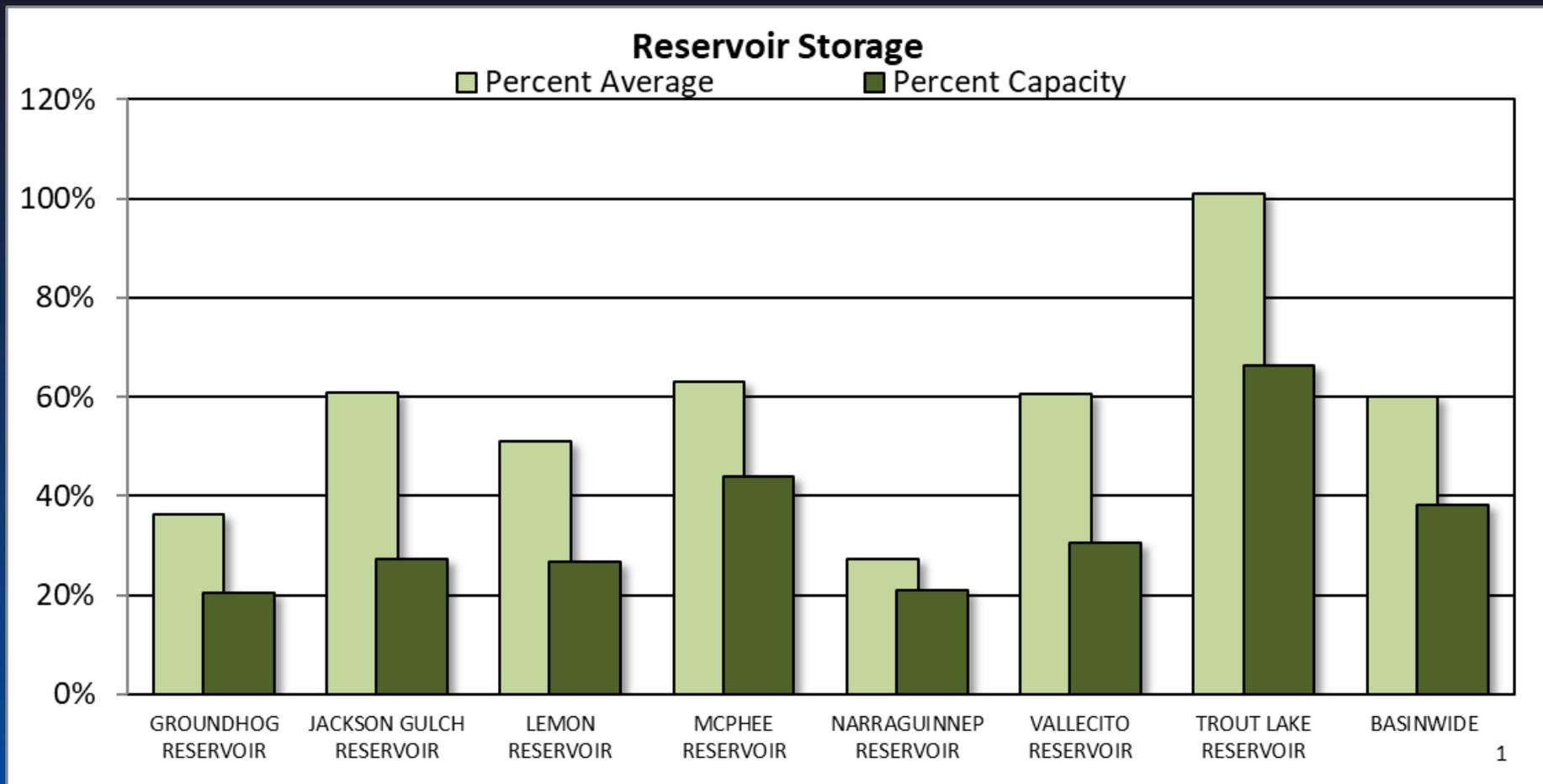
San Miguel, Dolores, Animas, and San Juan River Basins Month to Date Precipitation Summary Current as of Feb 12, 2021



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

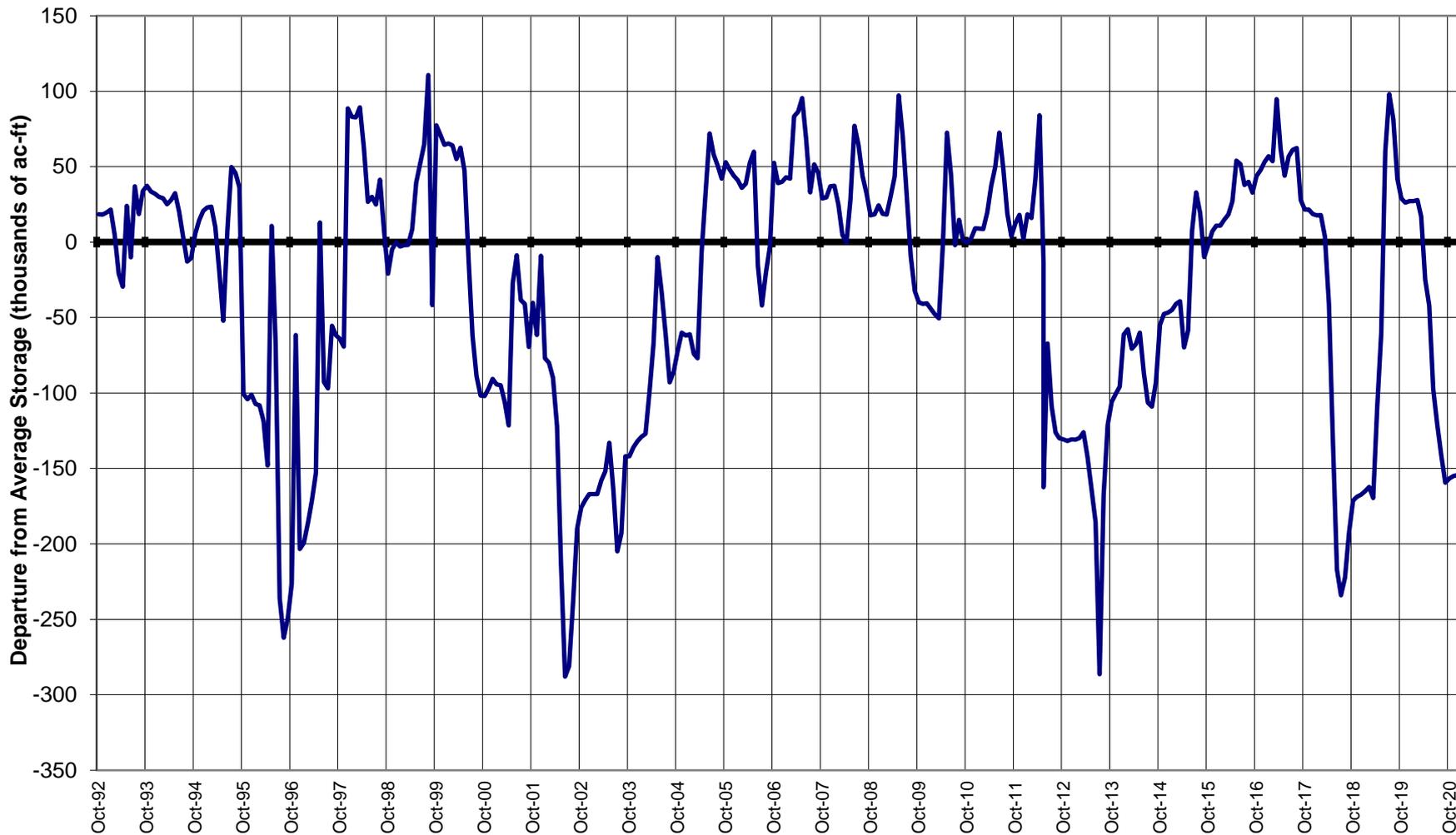
February 1, 2021





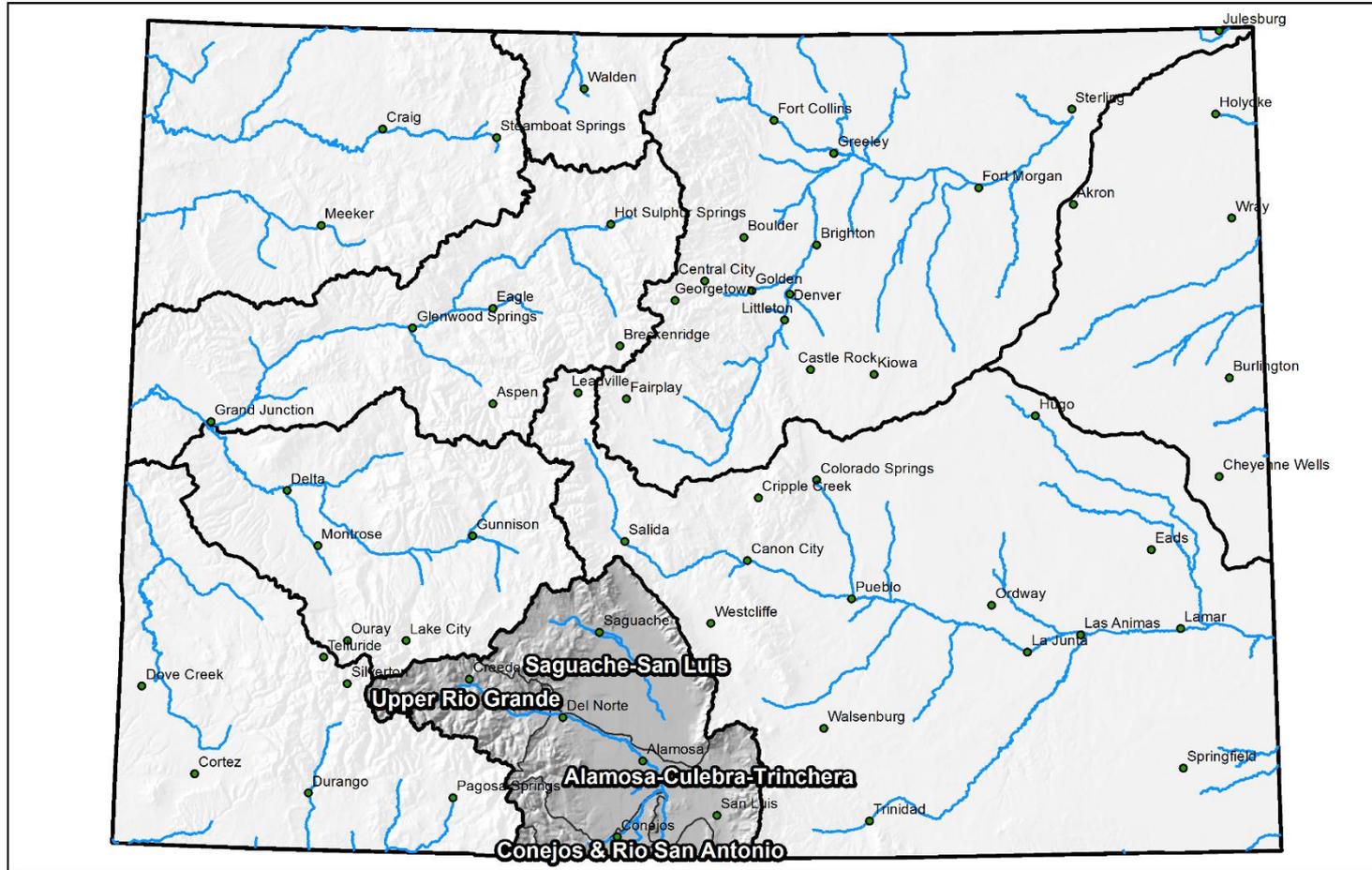


SAN MIGUEL, DOLORES, ANIMAS AND SAN JUAN RIVER BASINS Reservoir Storage Departure from Average



Major Basin Summary

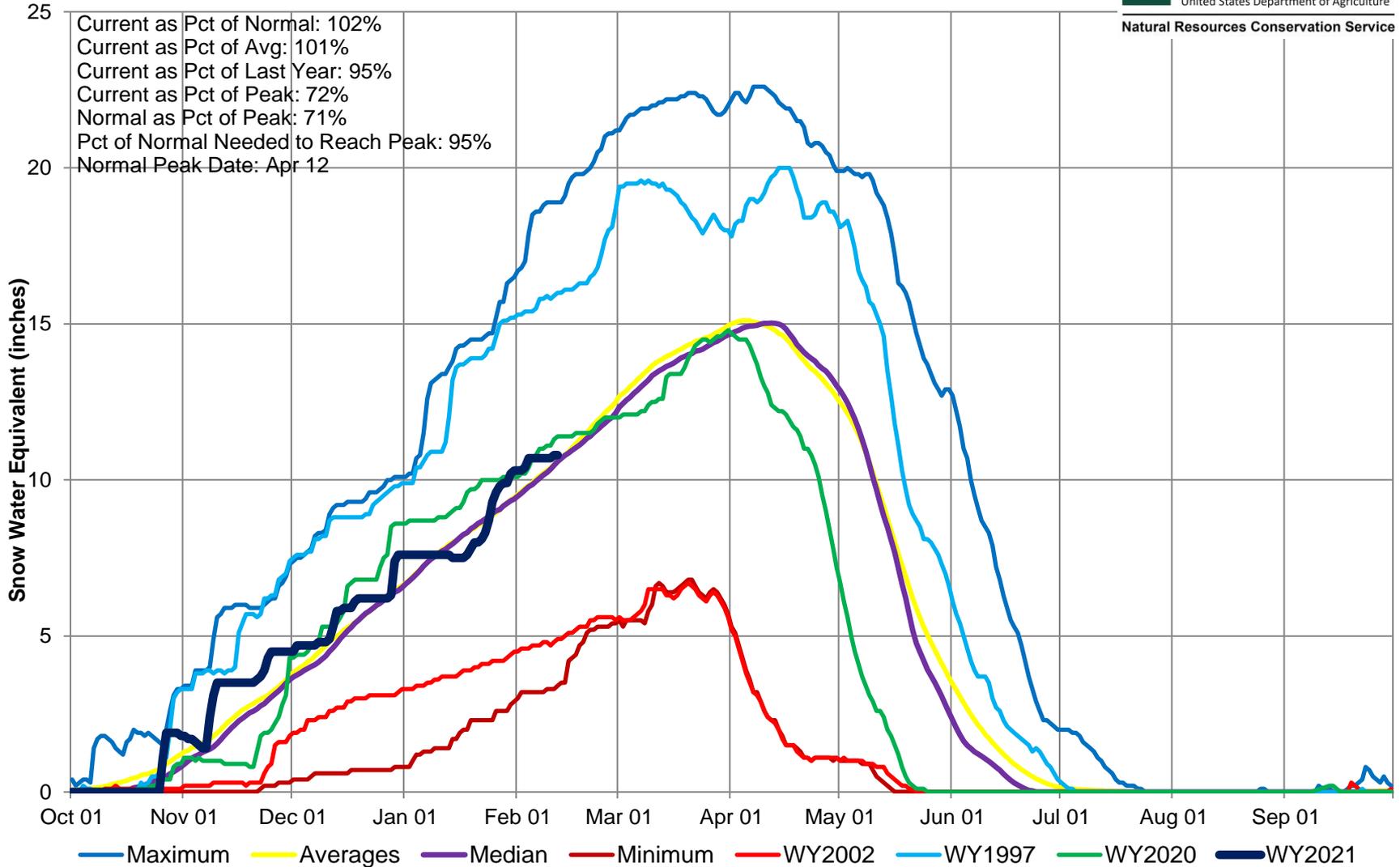
Upper Rio Grande River Basin





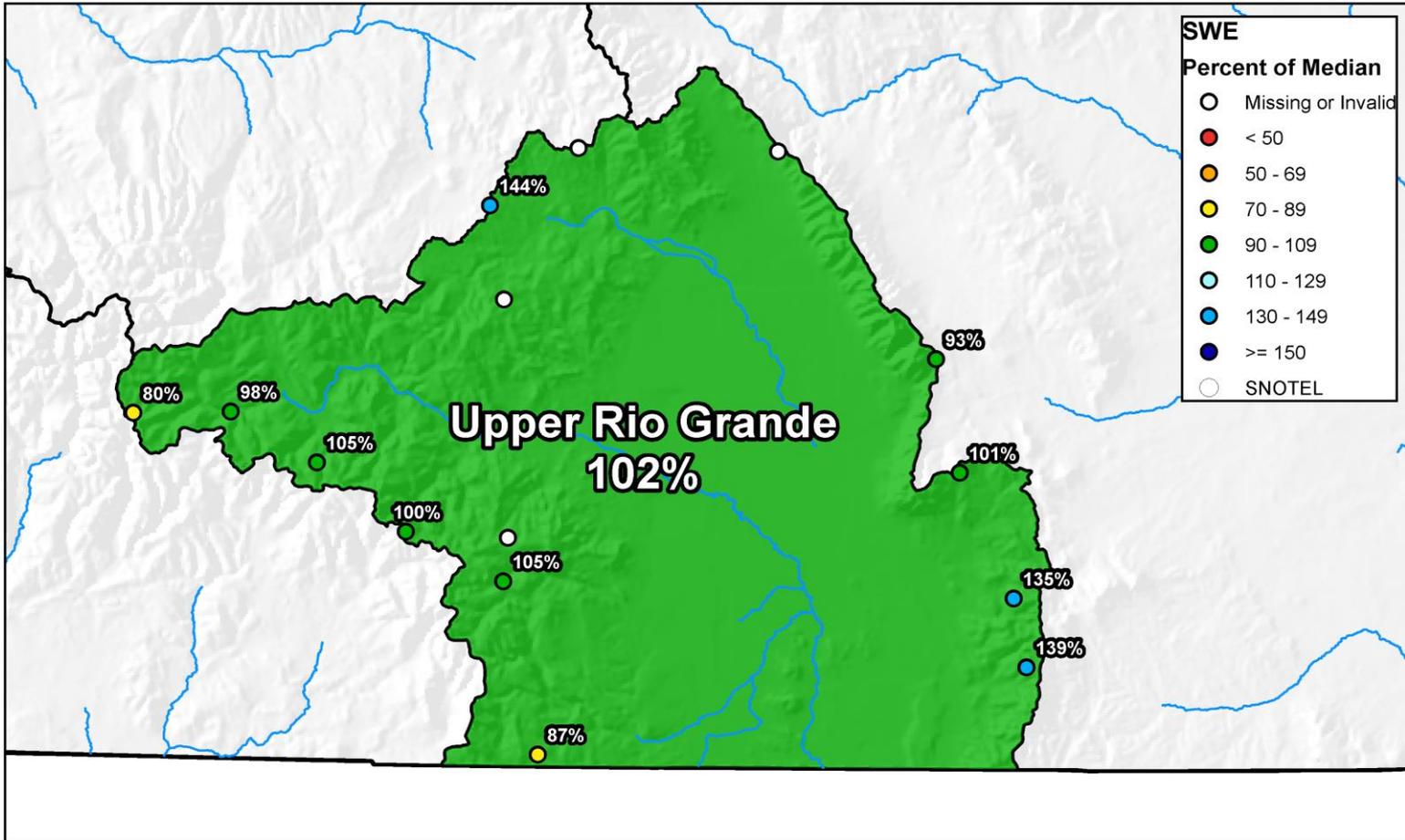
Upper Rio Grande Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Feb 12, 2021



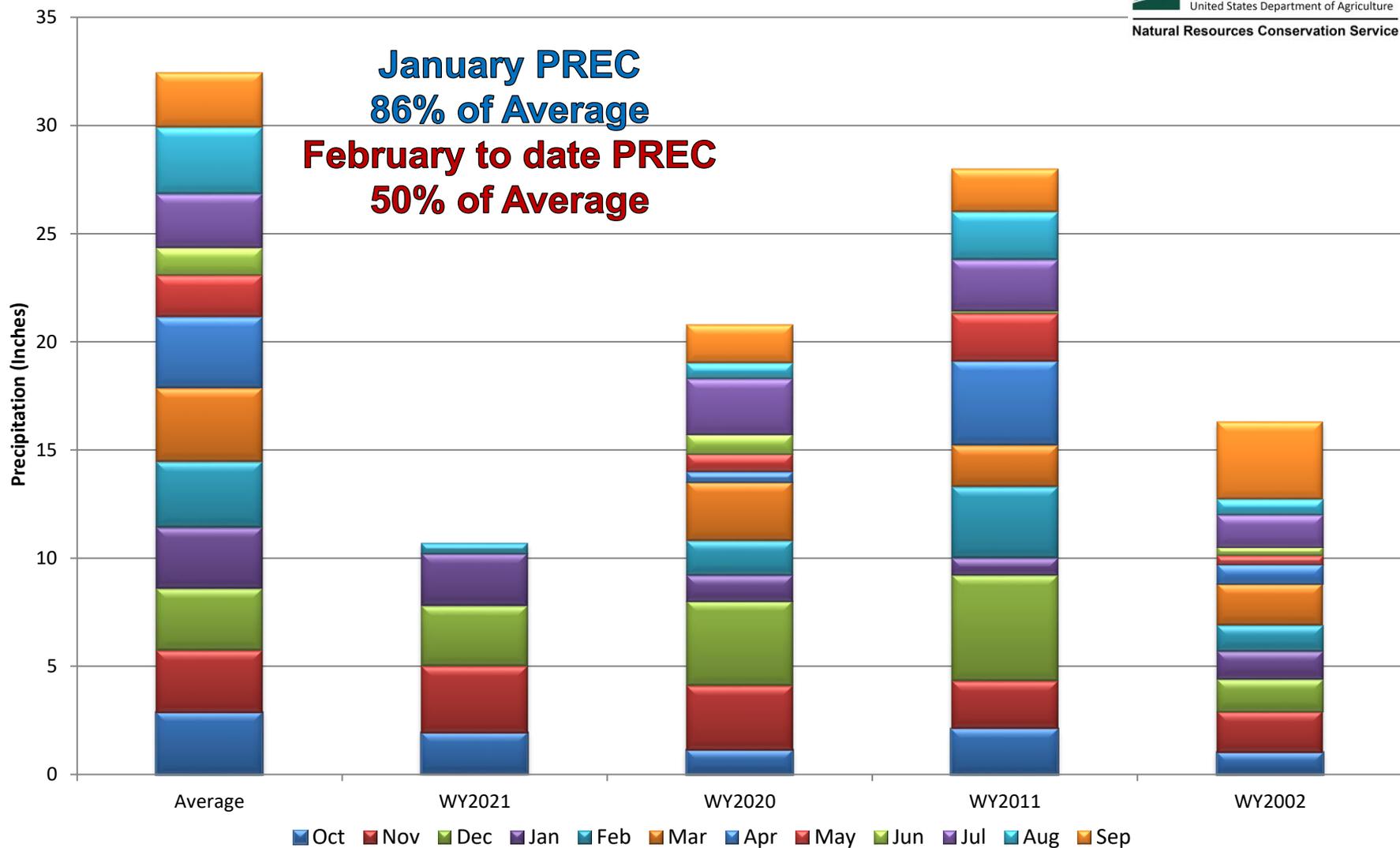
Upper Rio Grande River Basin Snow Water Equivalent (SWE) Summary

Current as of Feb 12, 2021



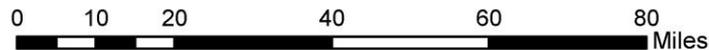
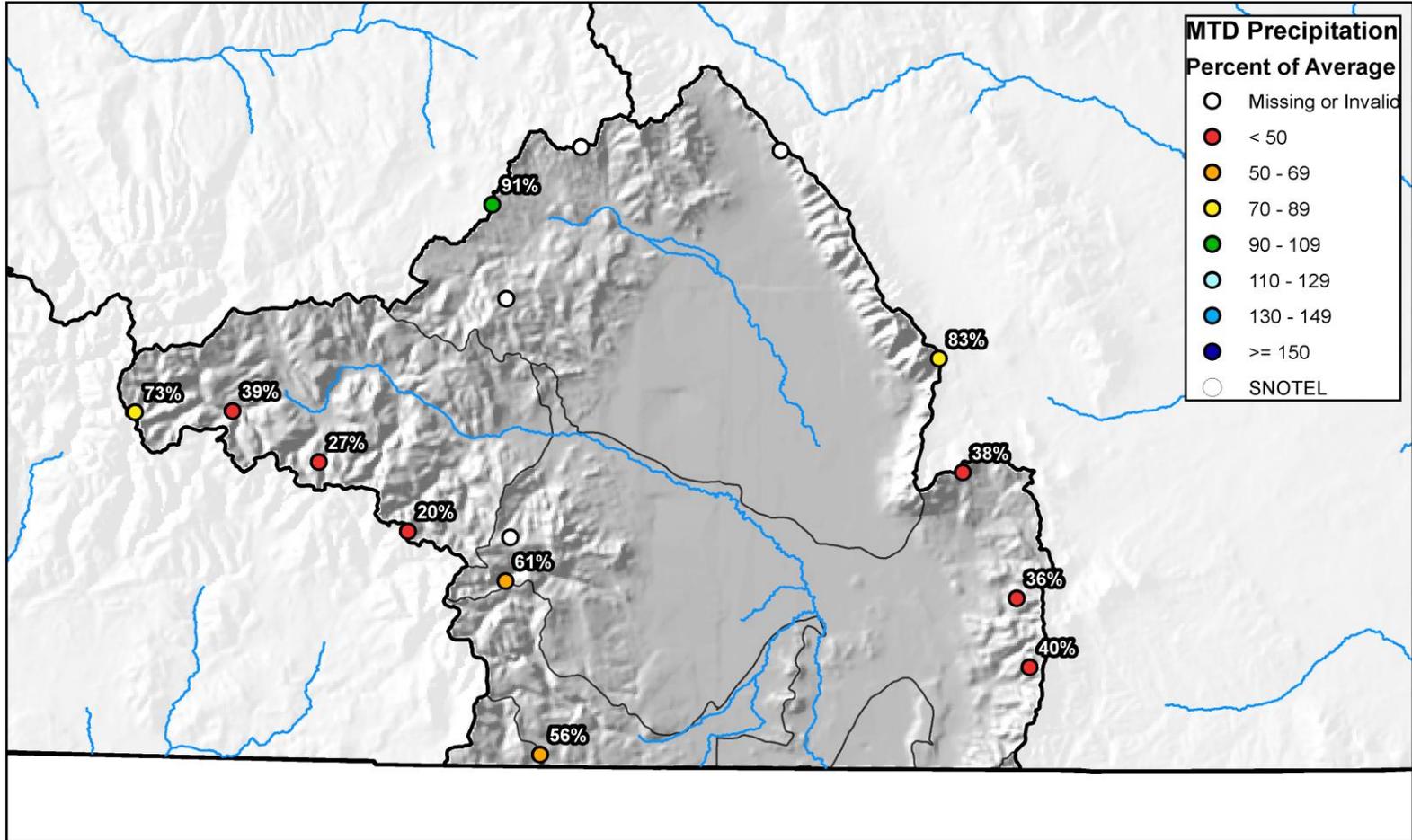
Upper Rio Grande River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Feb 12, 2021



Upper Rio Grande River Basin Month to Date Precipitation Summary

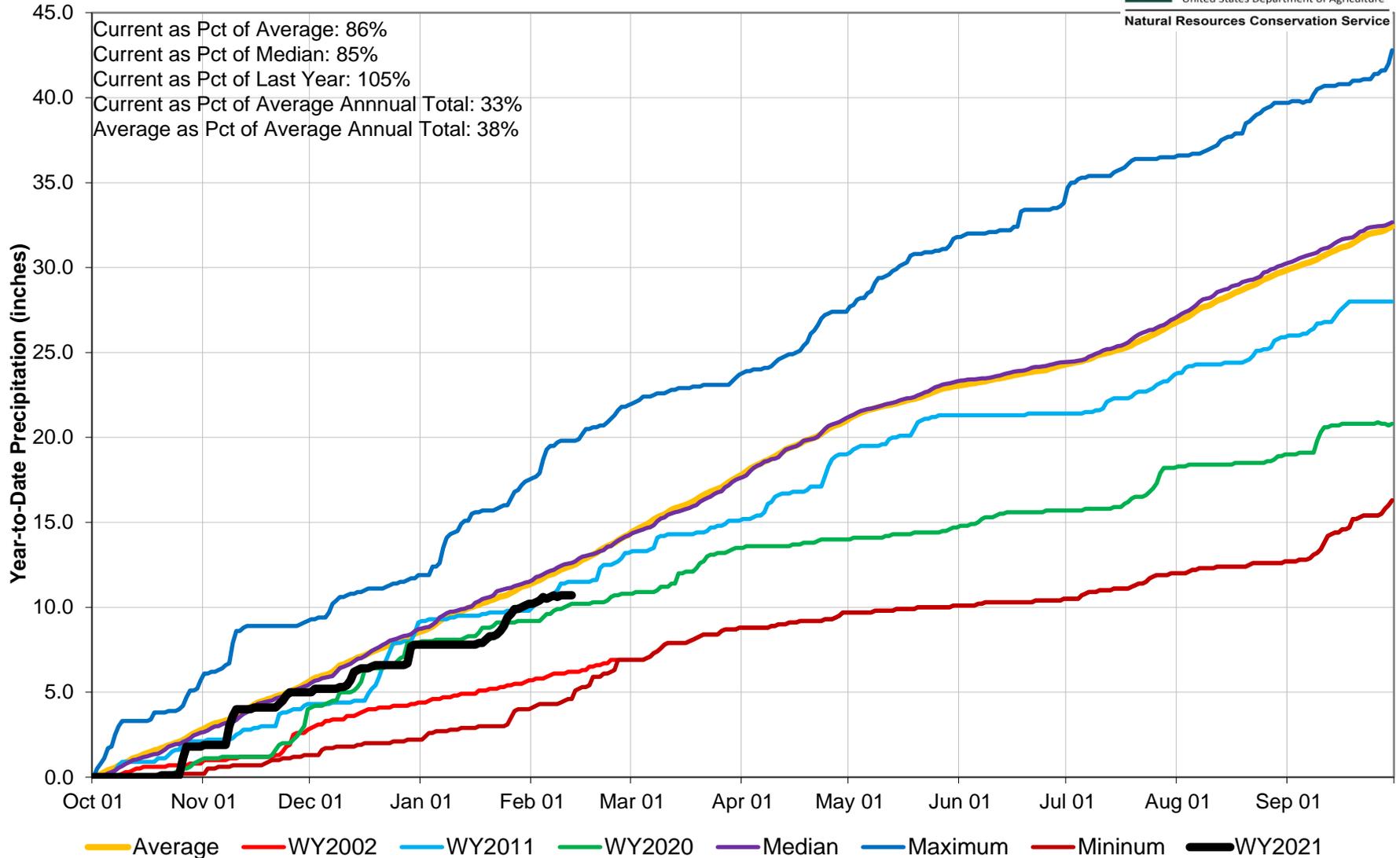
Current as of Feb 12, 2021



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

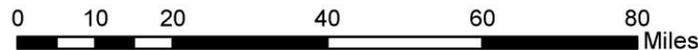
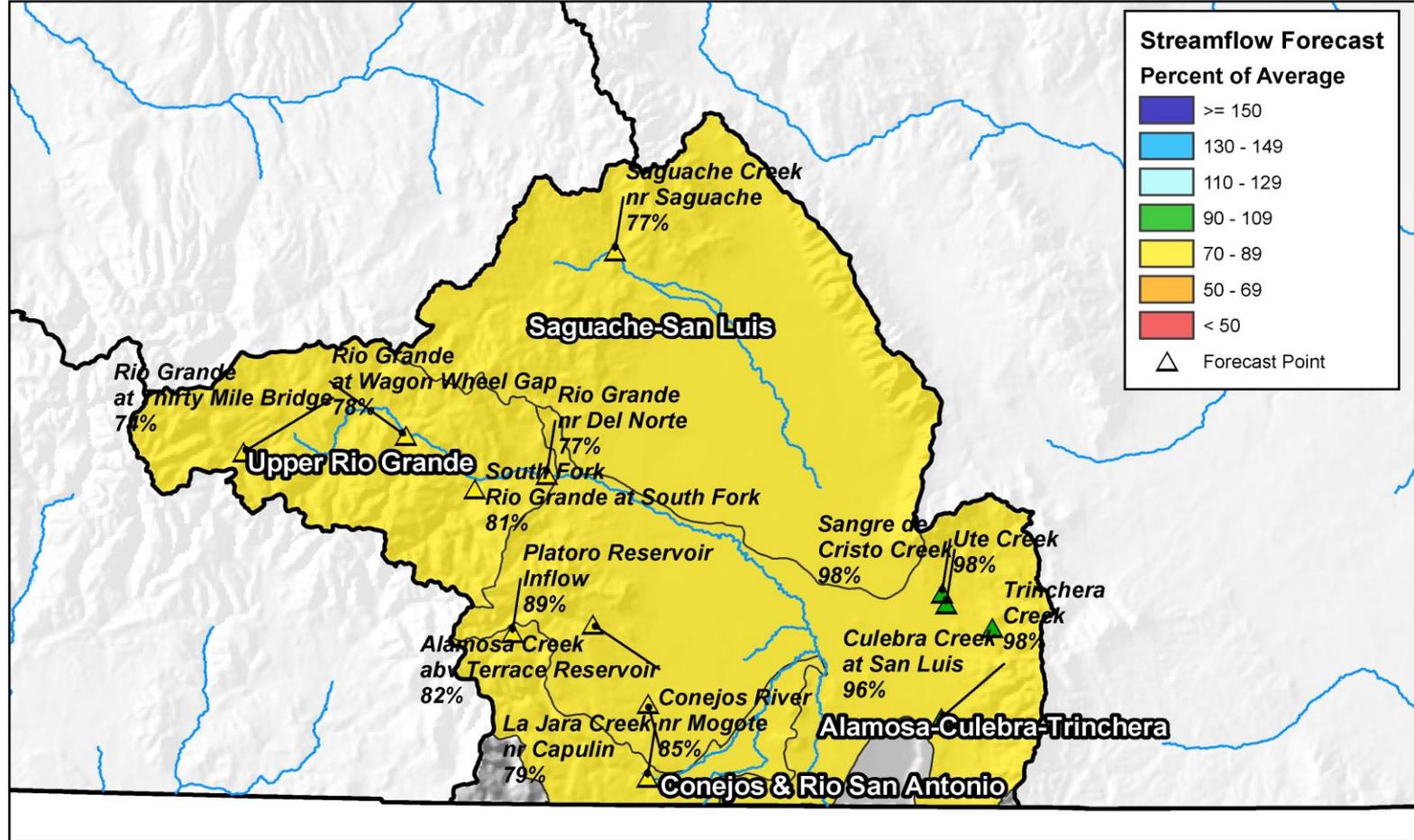
Based on Provisional SNOTEL data as of Feb 12, 2021

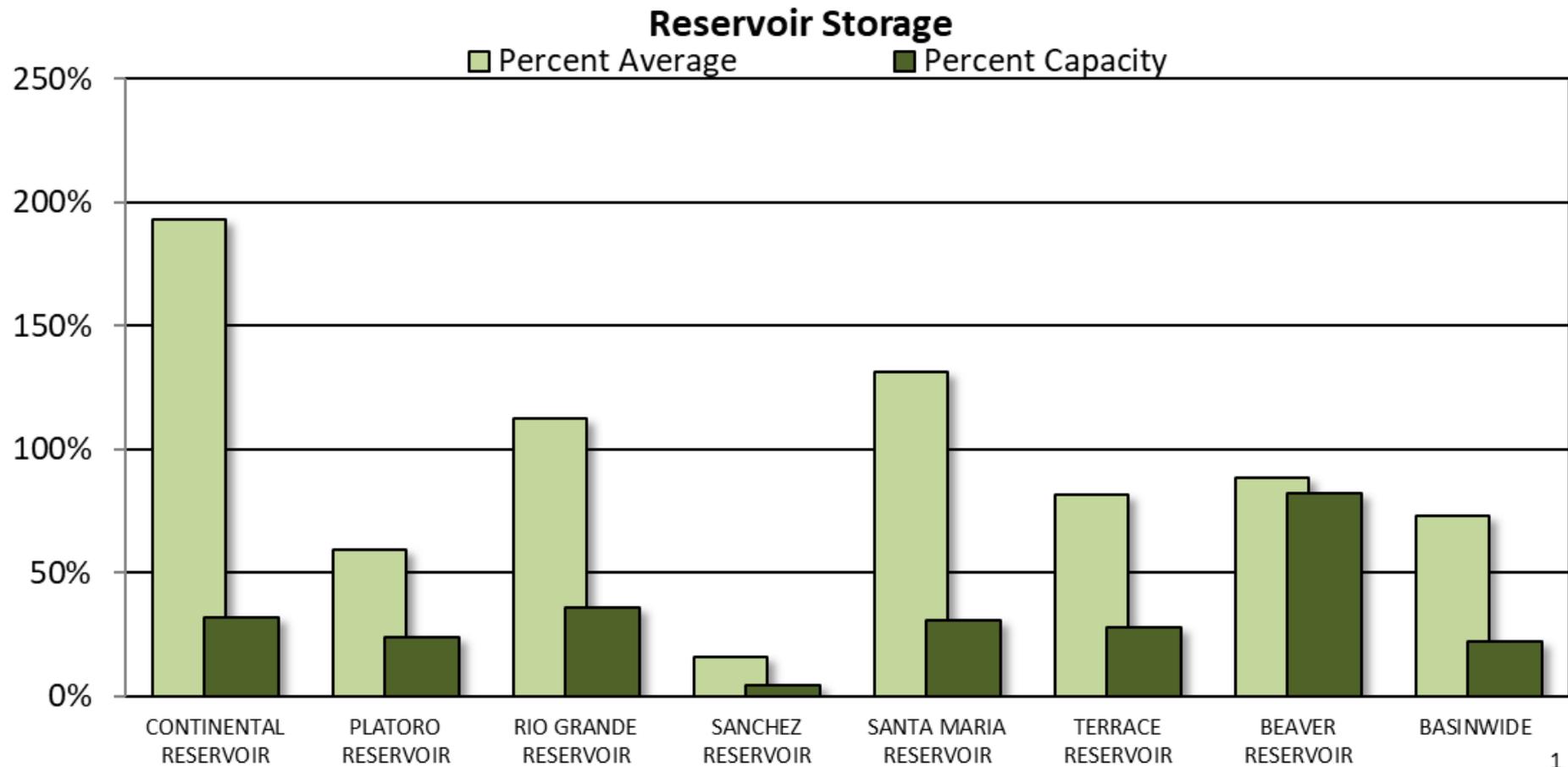
USDA United States Department of Agriculture
Natural Resources Conservation Service



Upper Rio Grande River Basin Streamflow Forecast Summary

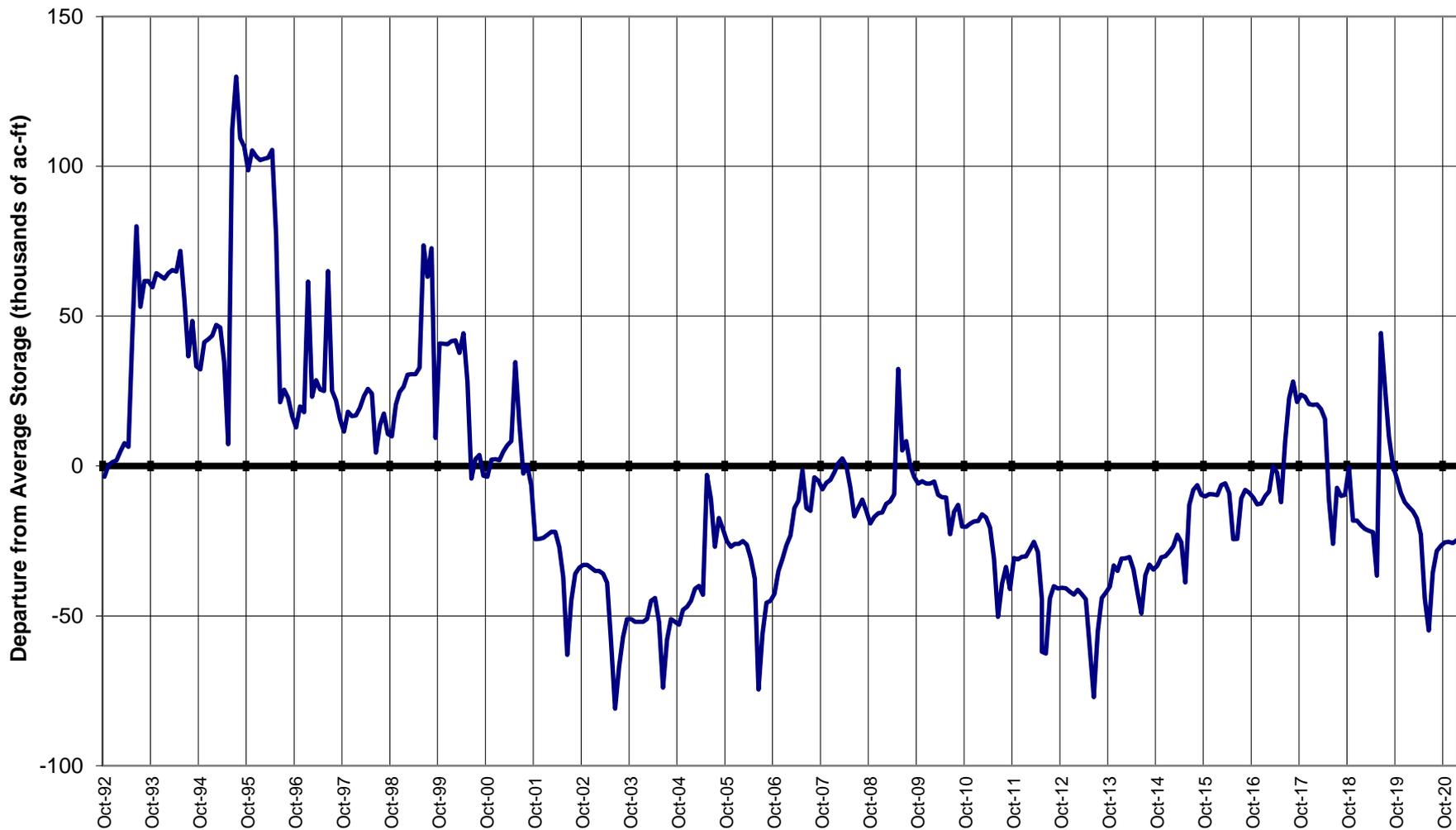
February 1, 2021





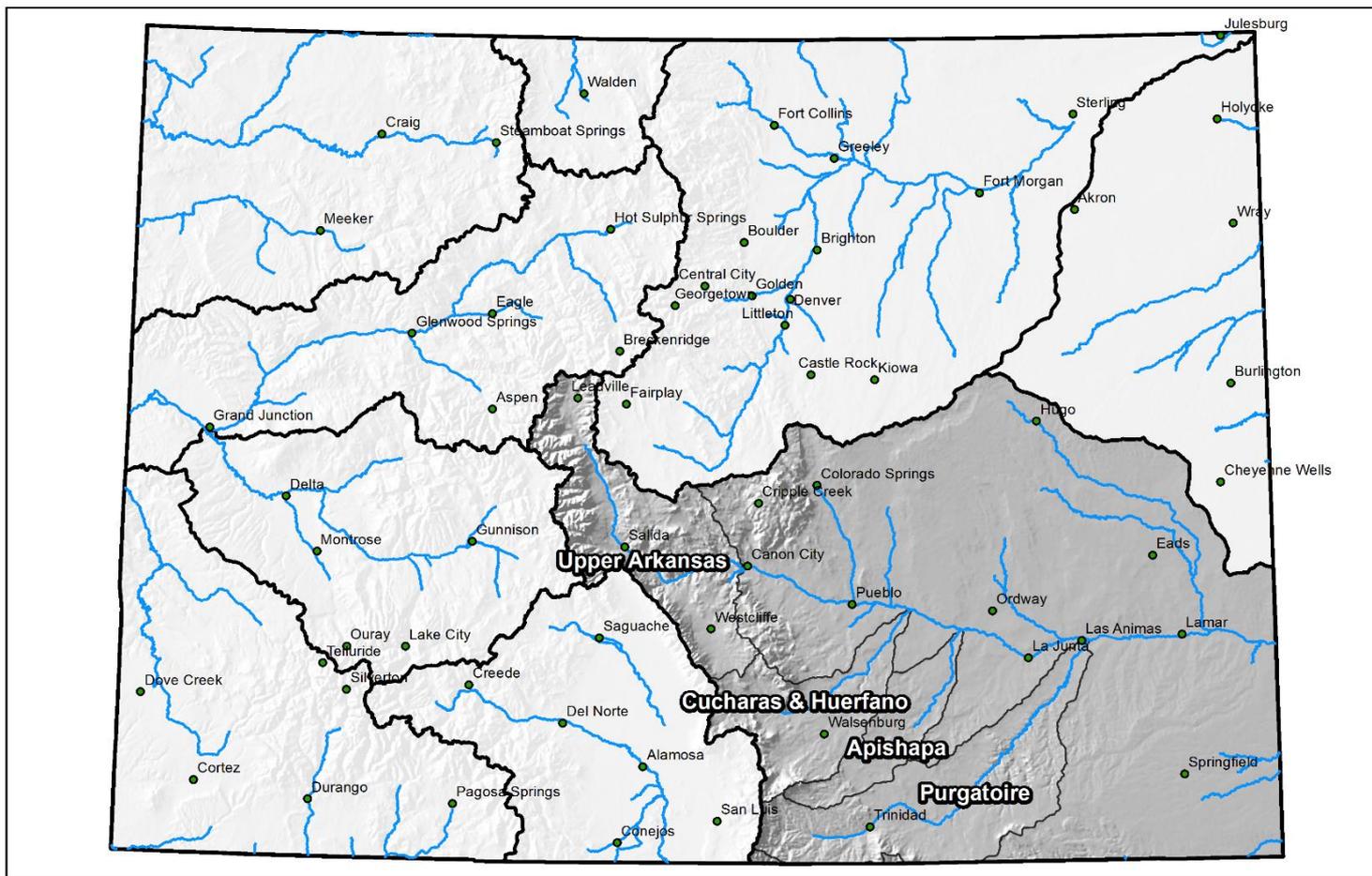


UPPER RIO GRANDE BASIN Reservoir Storage Departure from Average



Major Basin Summary

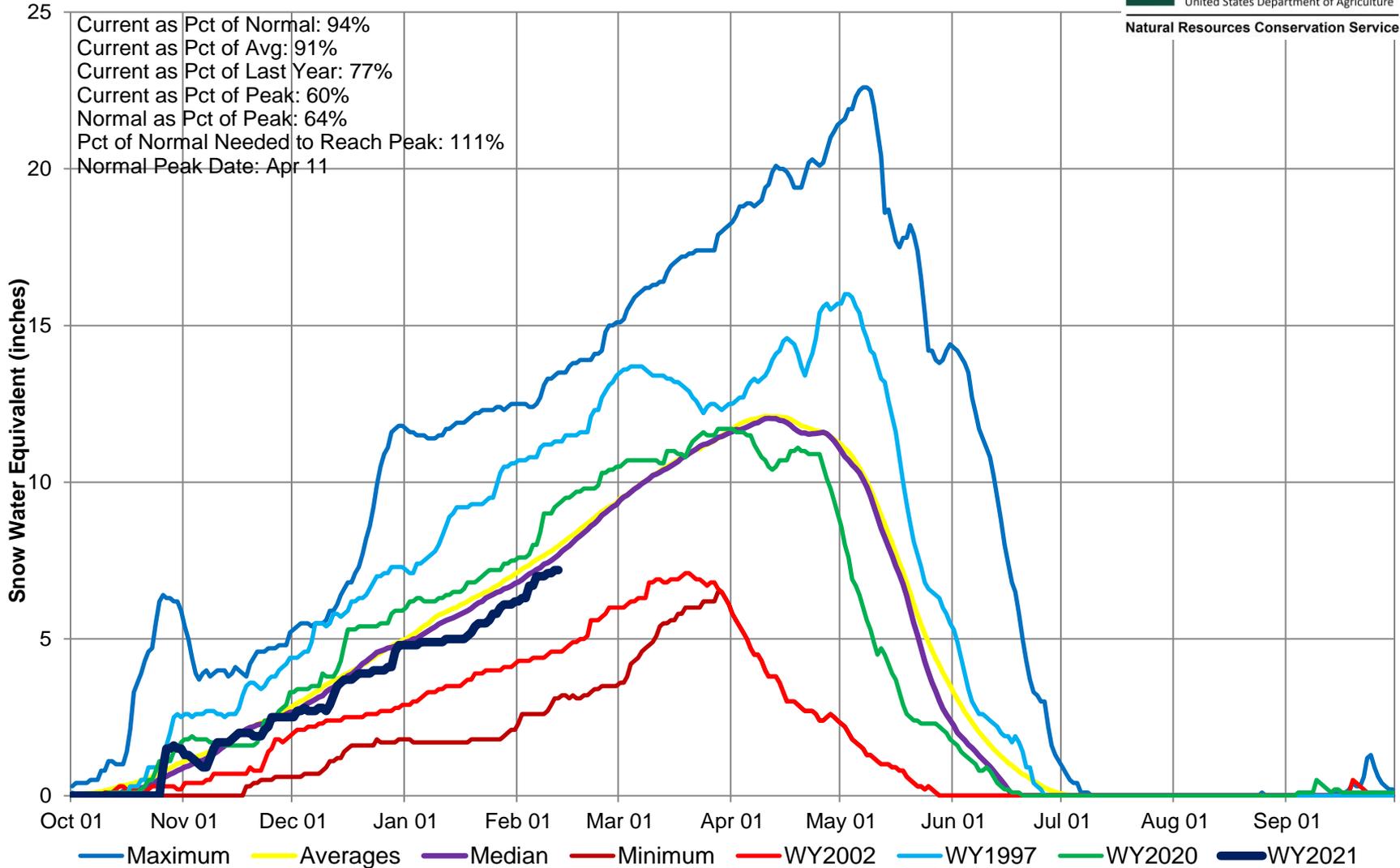
Arkansas River Basin



Arkansas River Basin High/Low Snowpack Summary

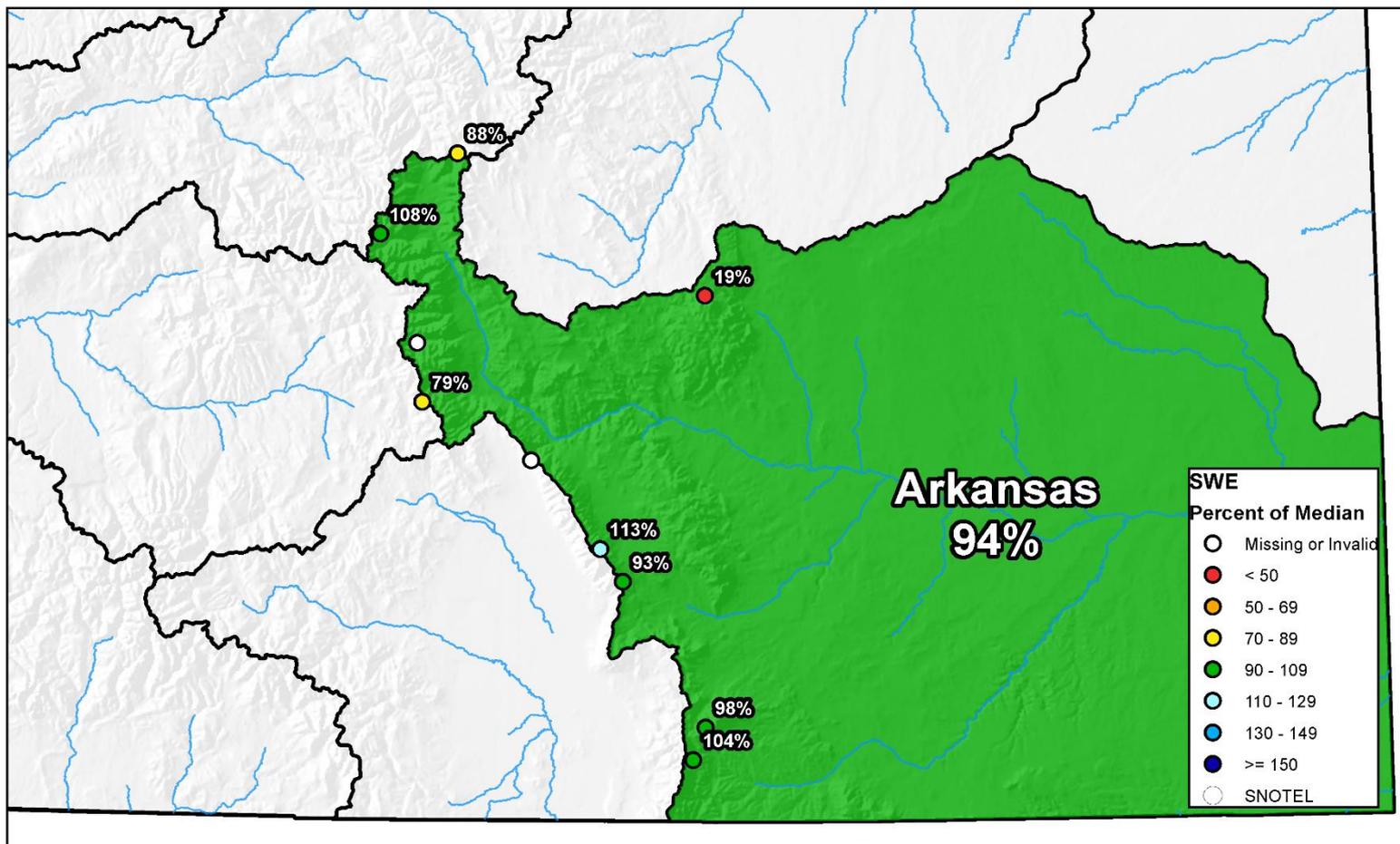
Based on Provisional SNOTEL data as of Feb 12, 2021

USDA
United States Department of Agriculture
Natural Resources Conservation Service



Arkansas River Basin Snow Water Equivalent (SWE) Summary

Current as of Feb 12, 2021



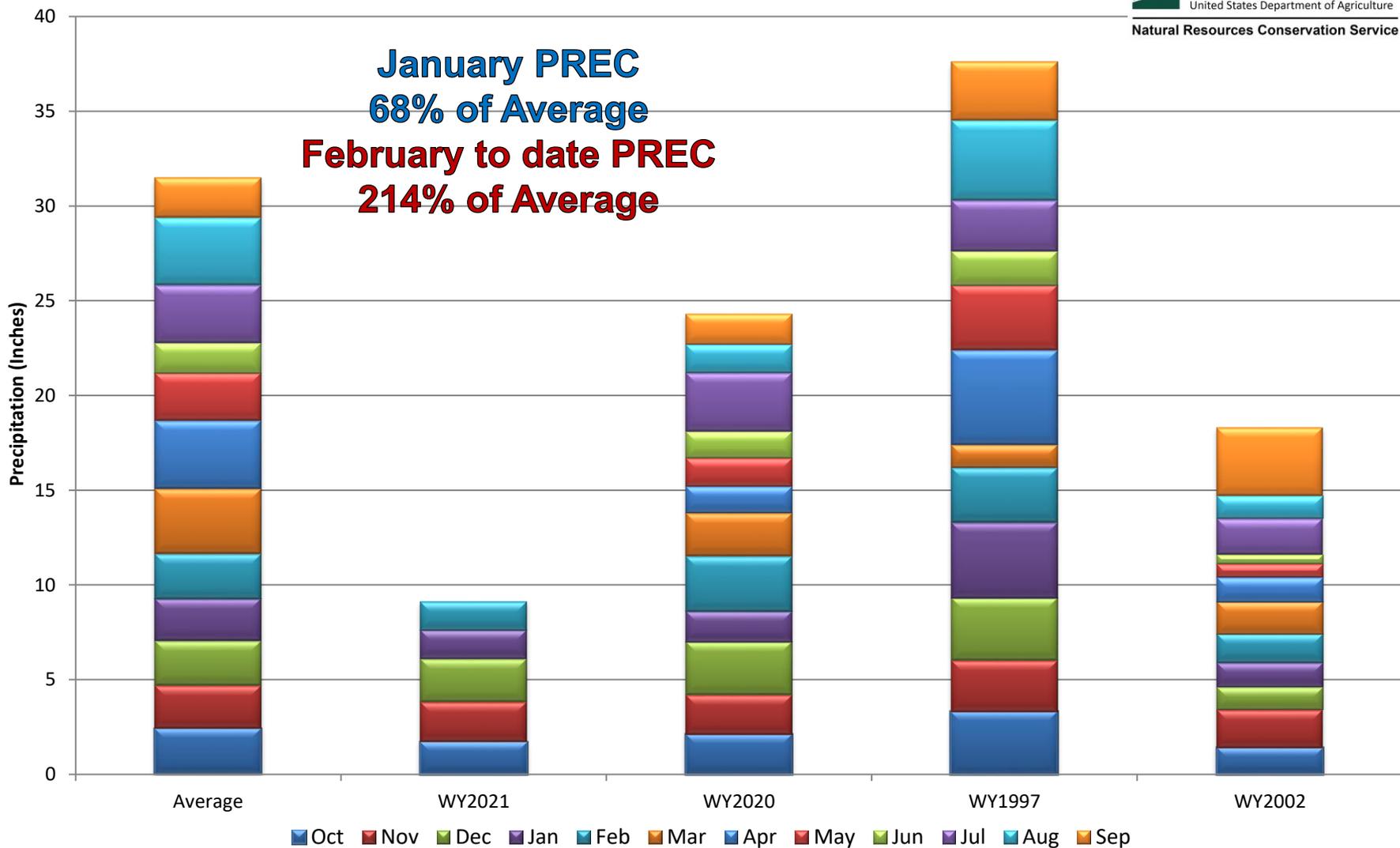
SWE
Percent of Median

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



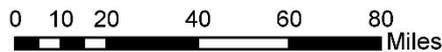
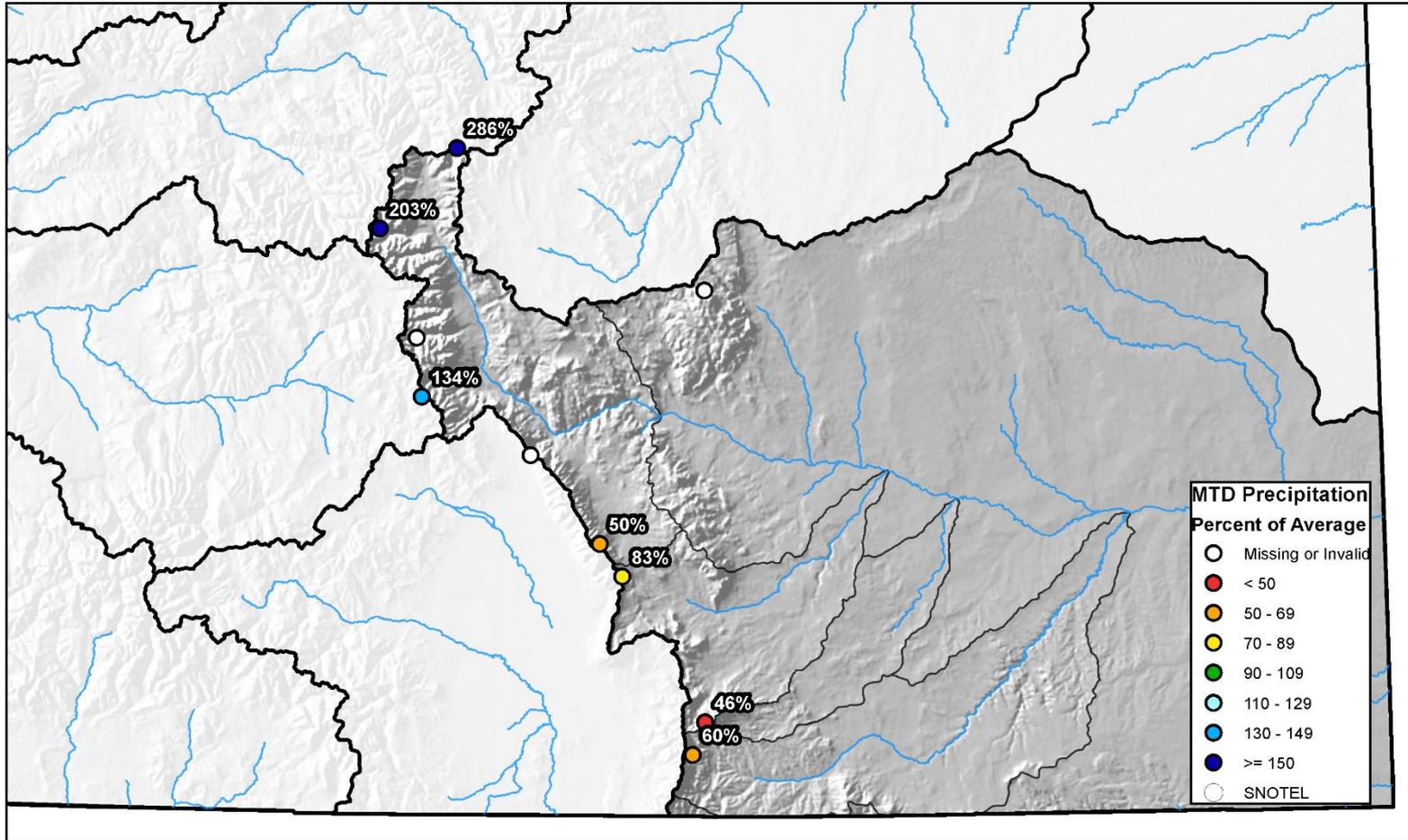
Arkansas River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Feb 12, 2021



Arkansas River Basin Month to Date Precipitation Summary

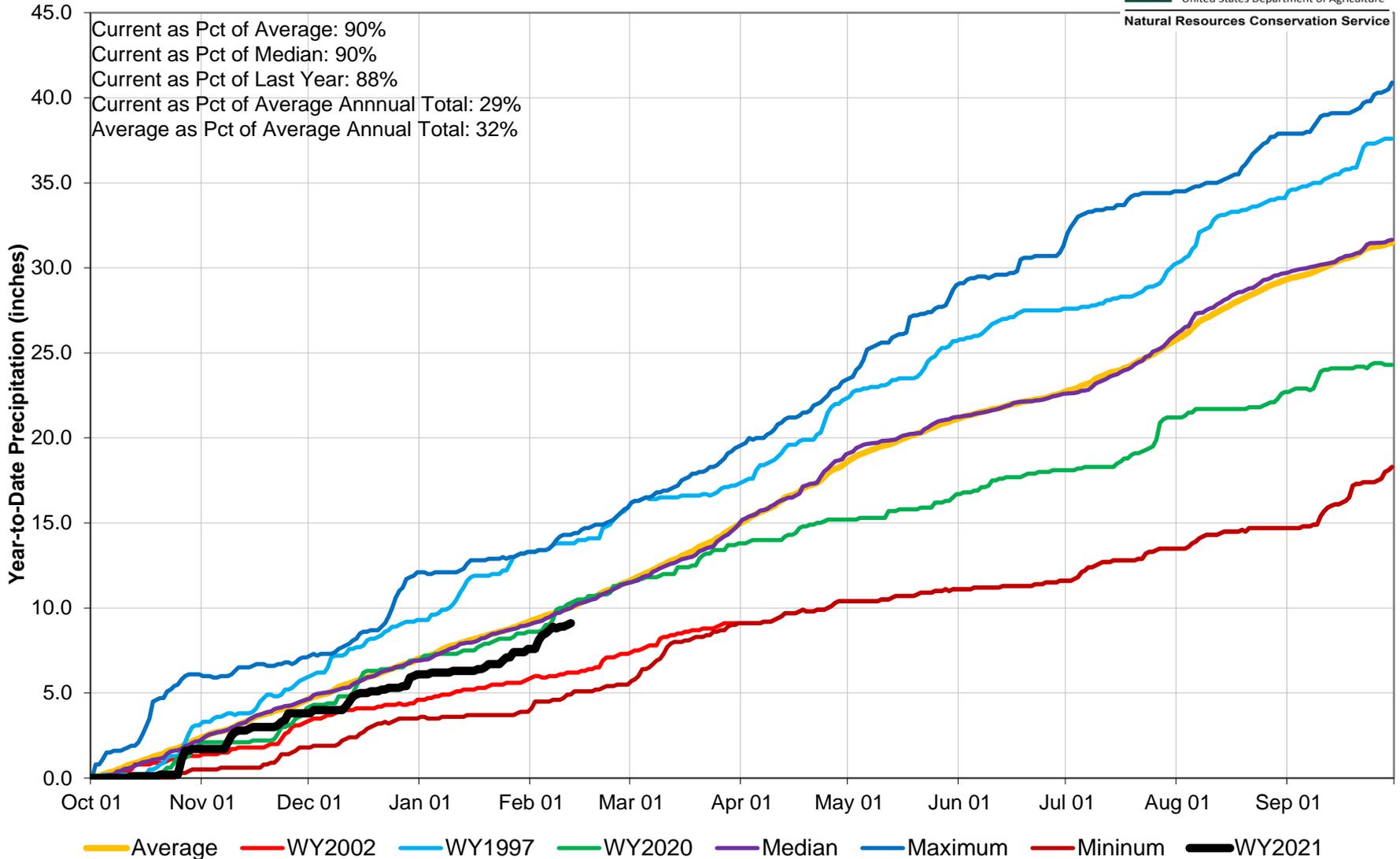
Current as of Feb 12, 2021





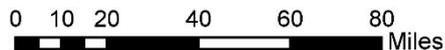
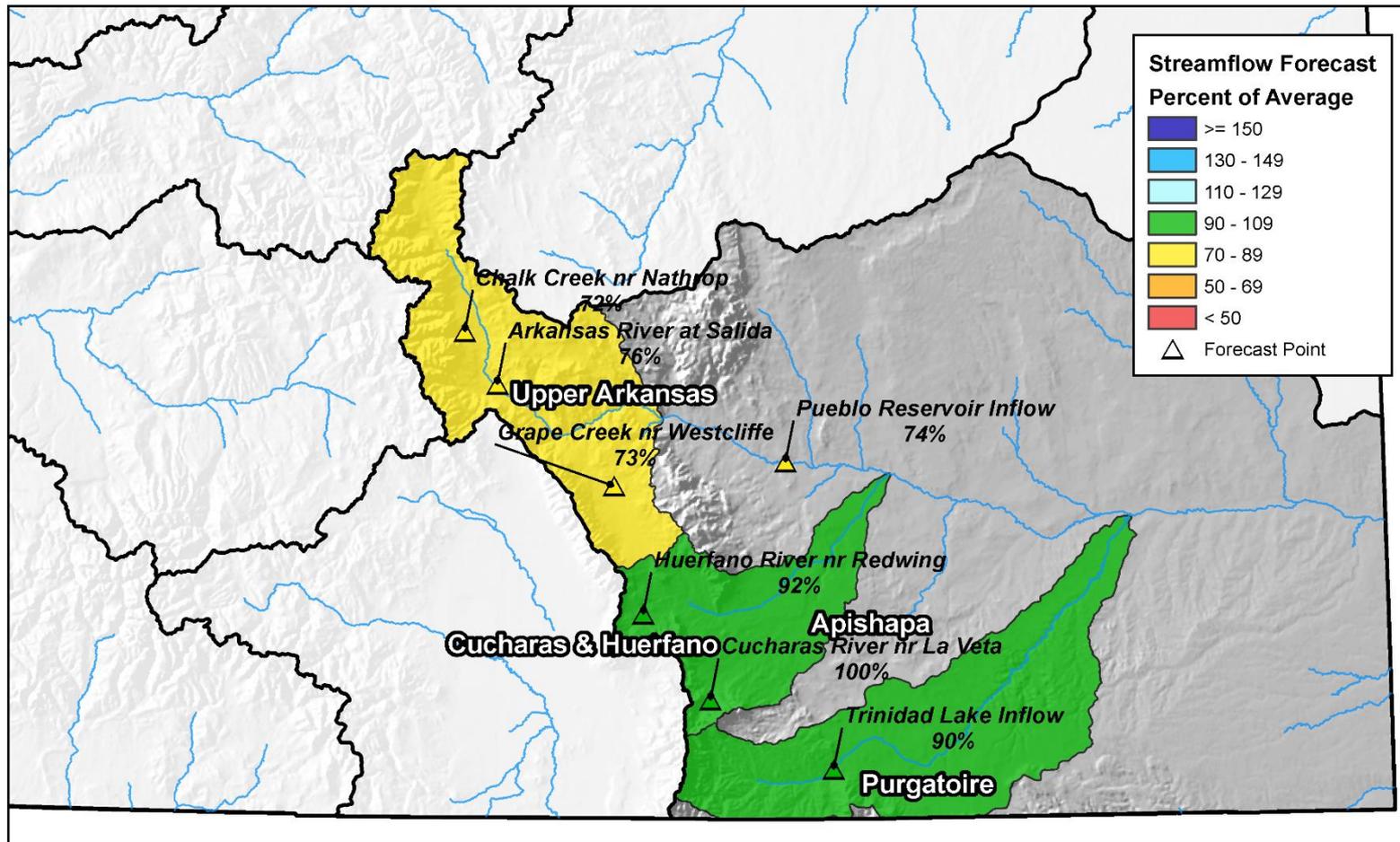
Arkansas River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Feb 12, 2021



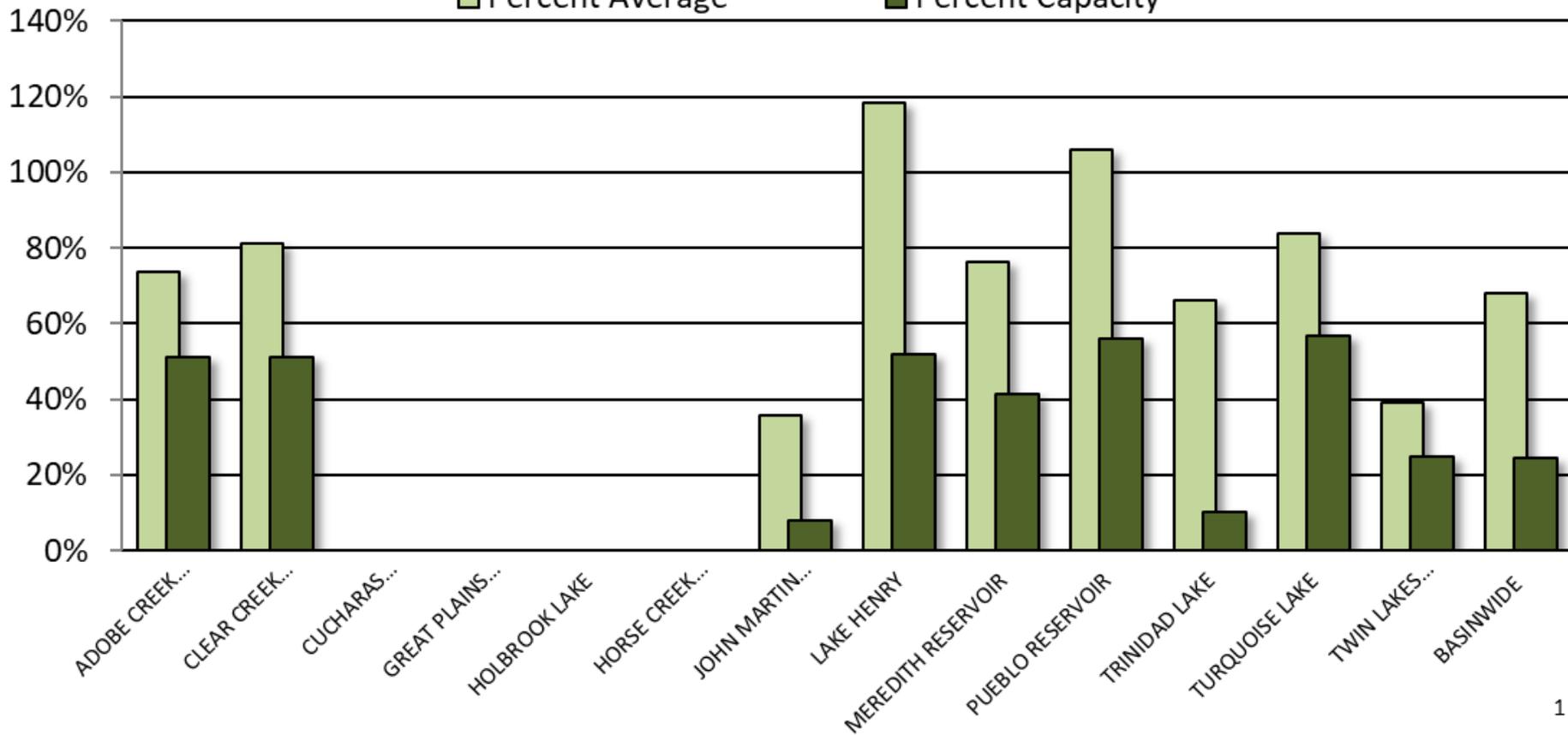
Arkansas River Basin Streamflow Forecast Summary

February 1, 2021

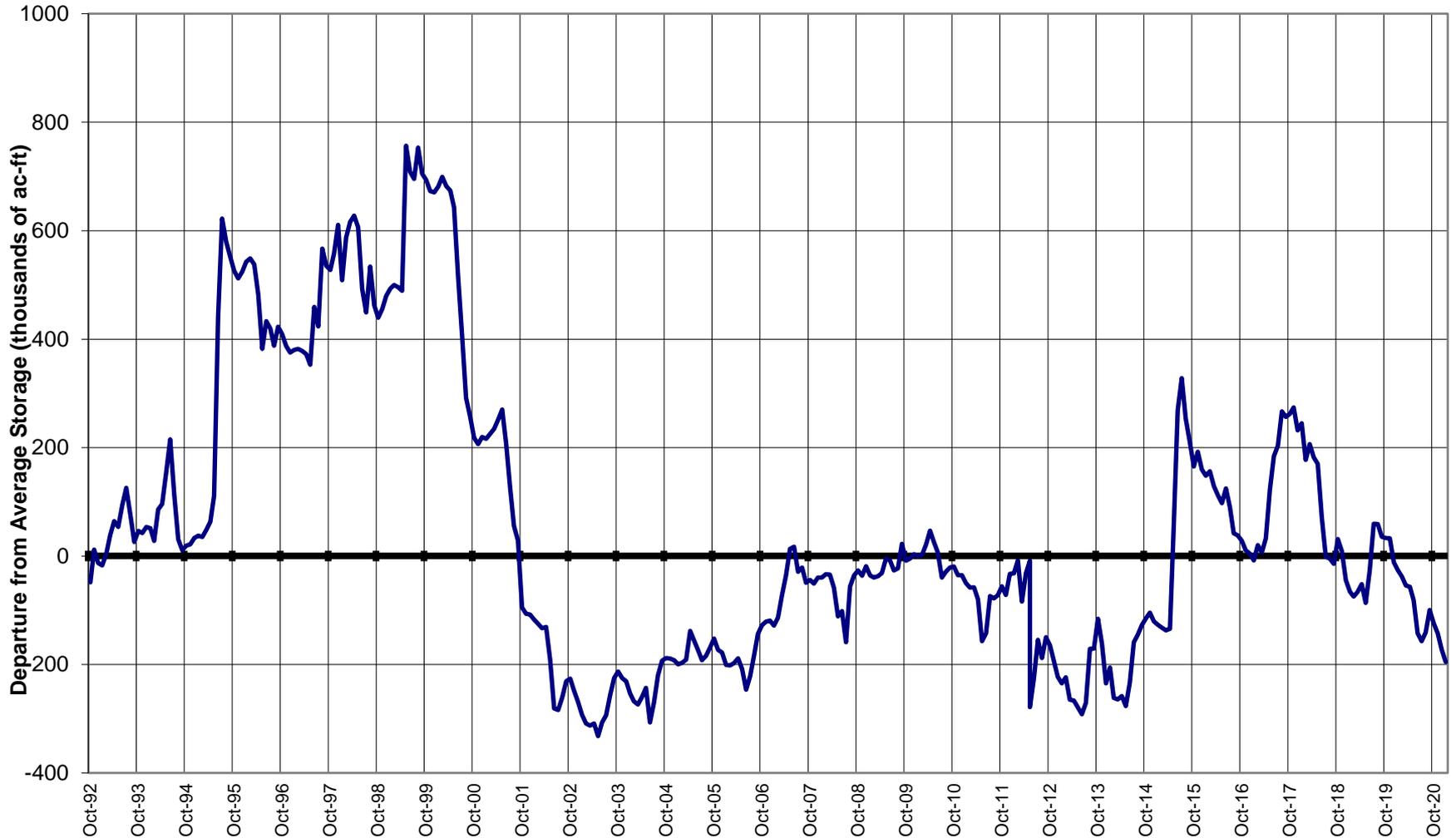


Reservoir Storage

■ Percent Average ■ Percent Capacity

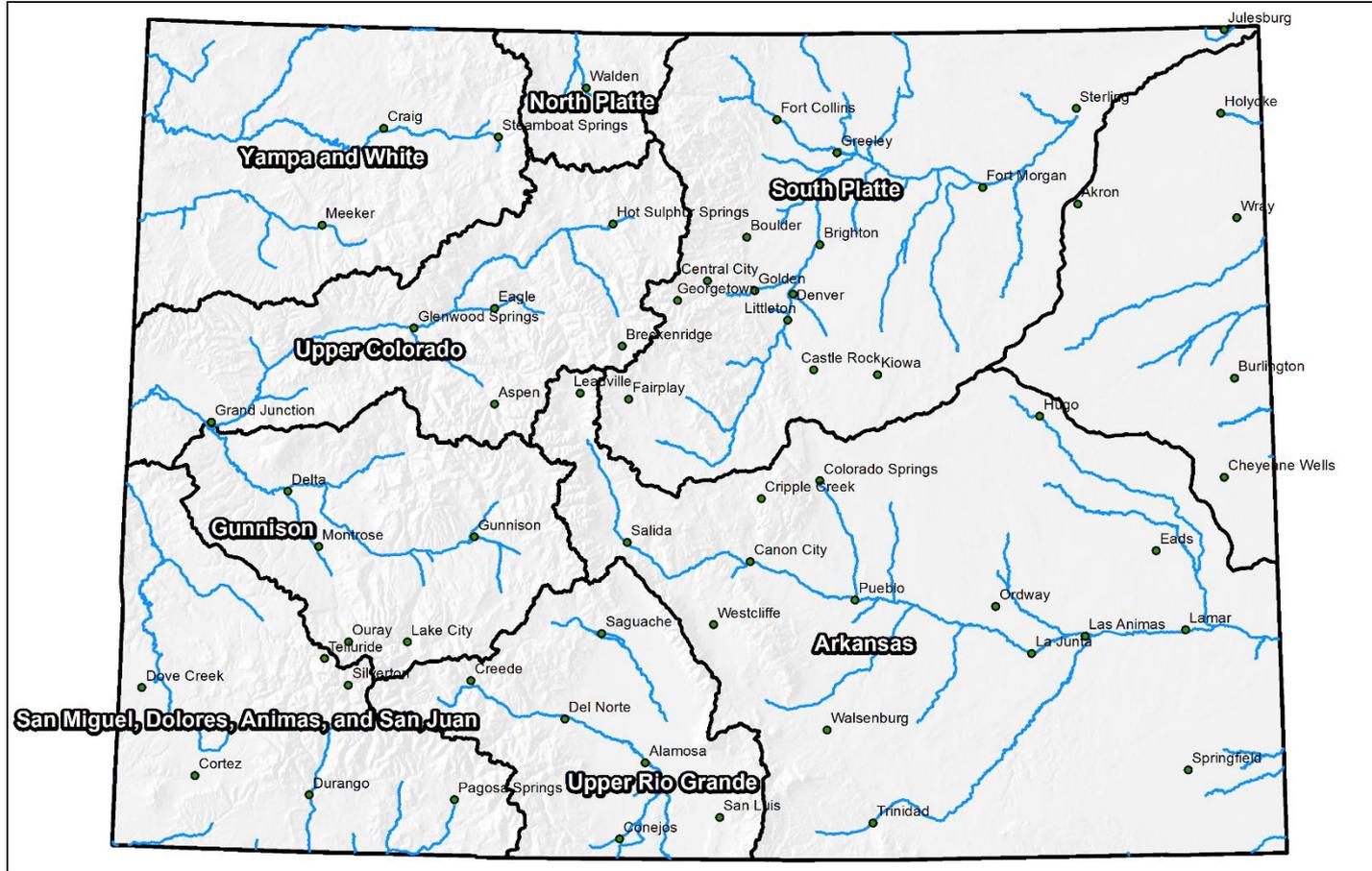


ARKANSAS RIVER BASIN Reservoir Storage Departure from Average



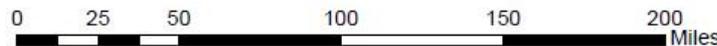
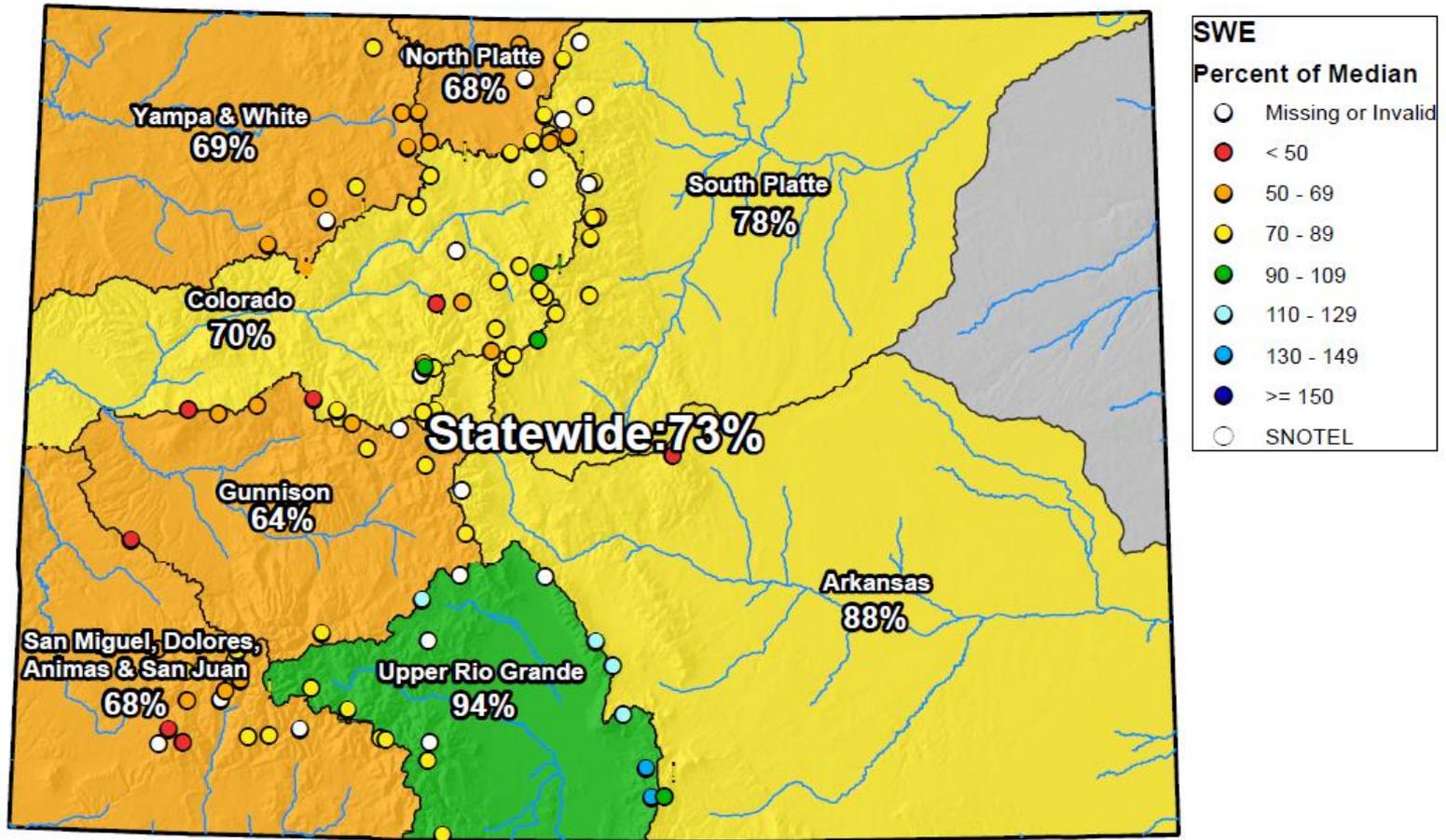
Colorado Statewide Summary

Colorado Major Basins



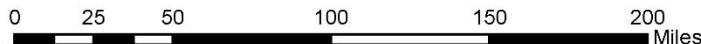
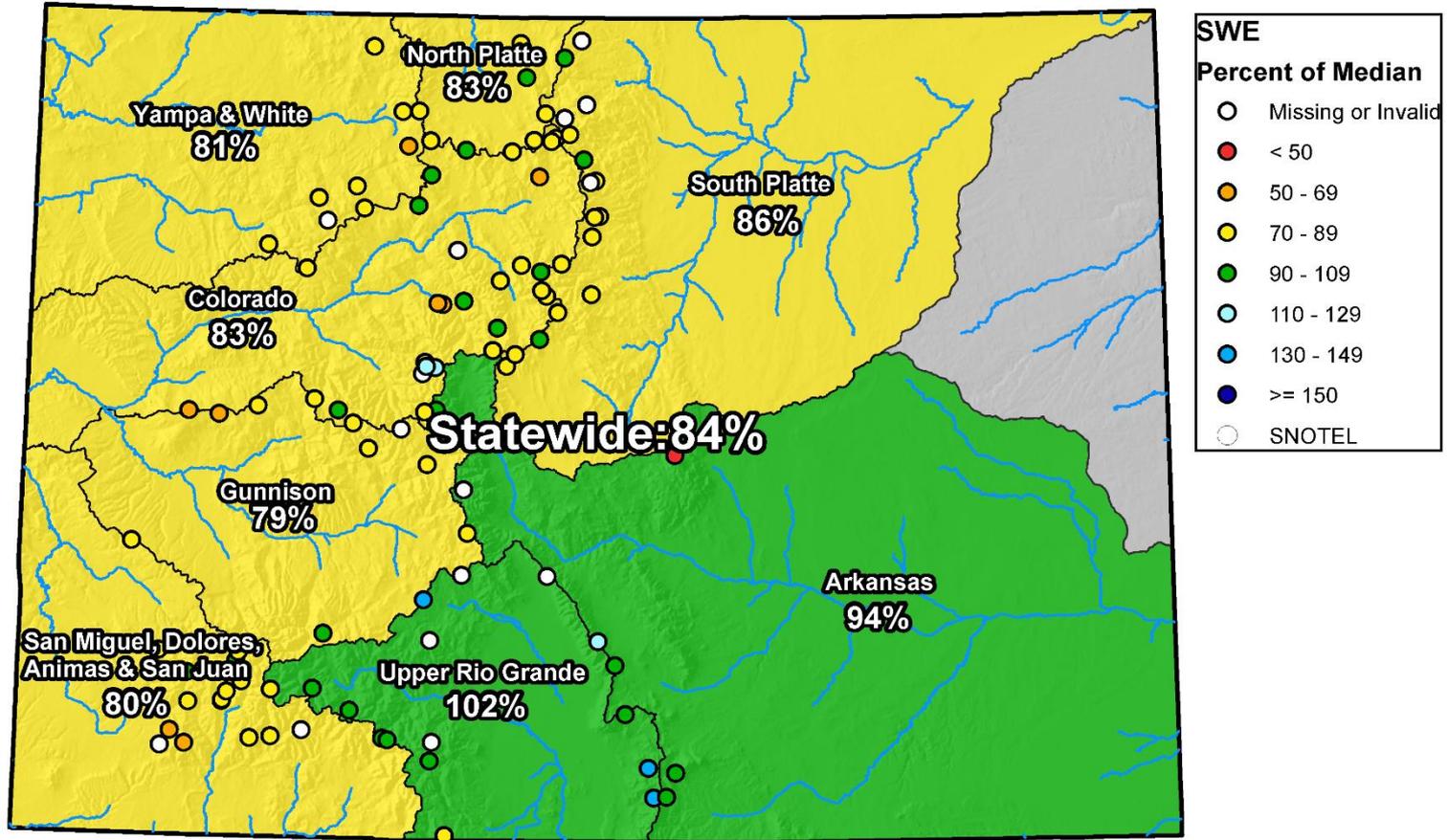
Colorado SNOTEL Snow Water Equivalent (SWE) Update Map with Site Data

Current as of Jan 20, 2021



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

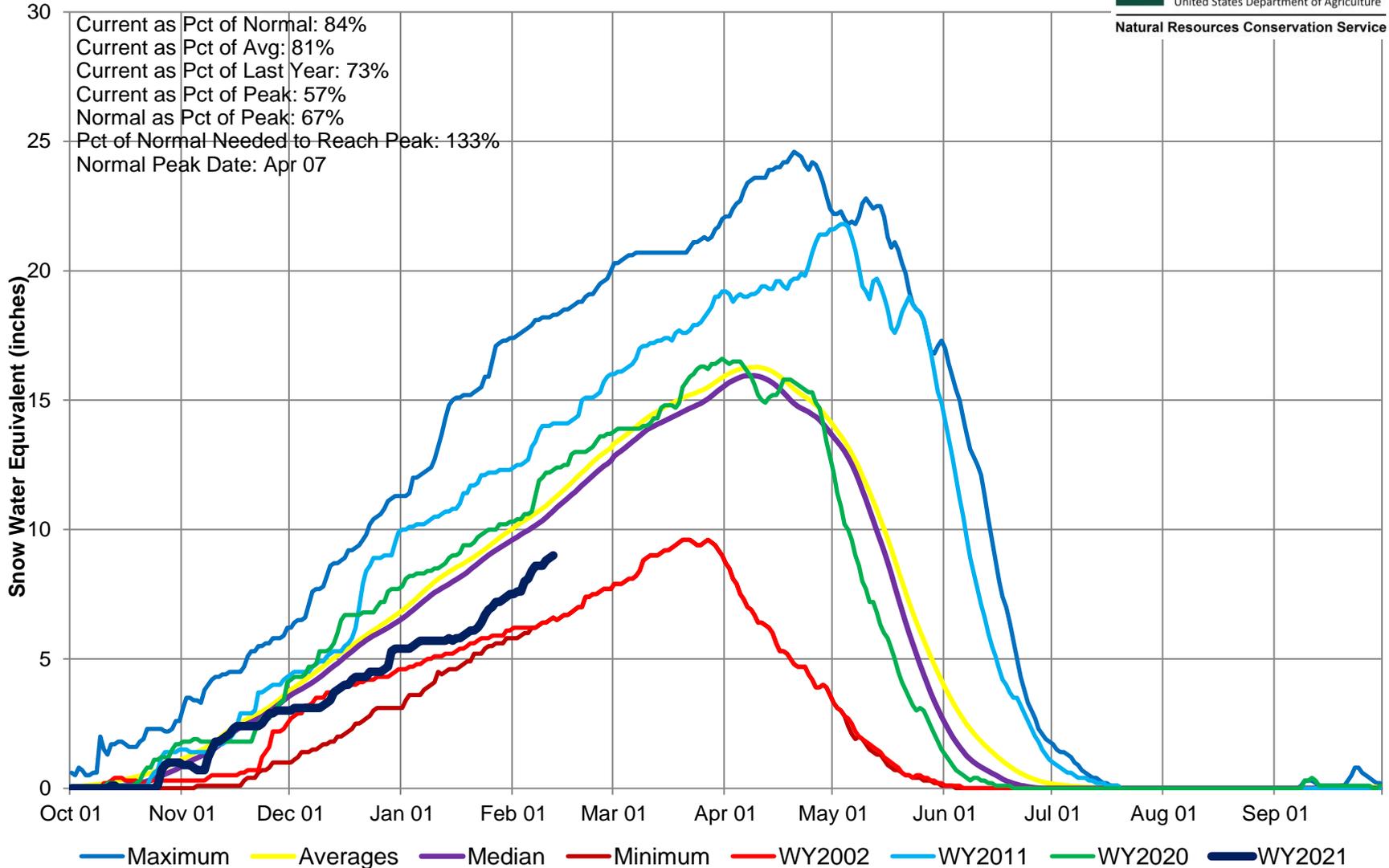
Current as of Feb 12, 2021





Colorado Statewide High/Low Snowpack Summary

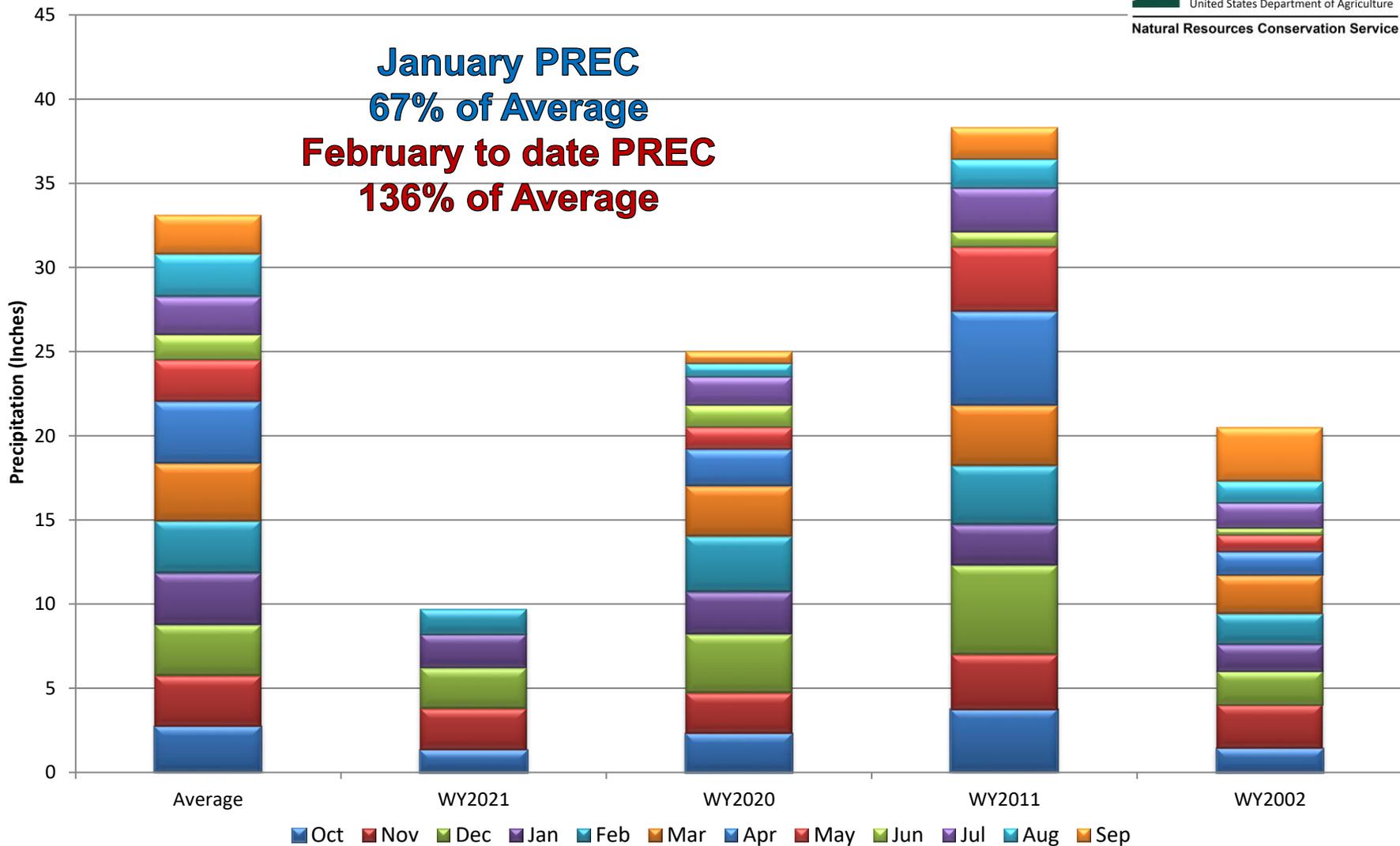
Based on Provisional SNOTEL data as of Feb 12, 2021



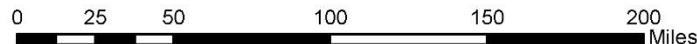
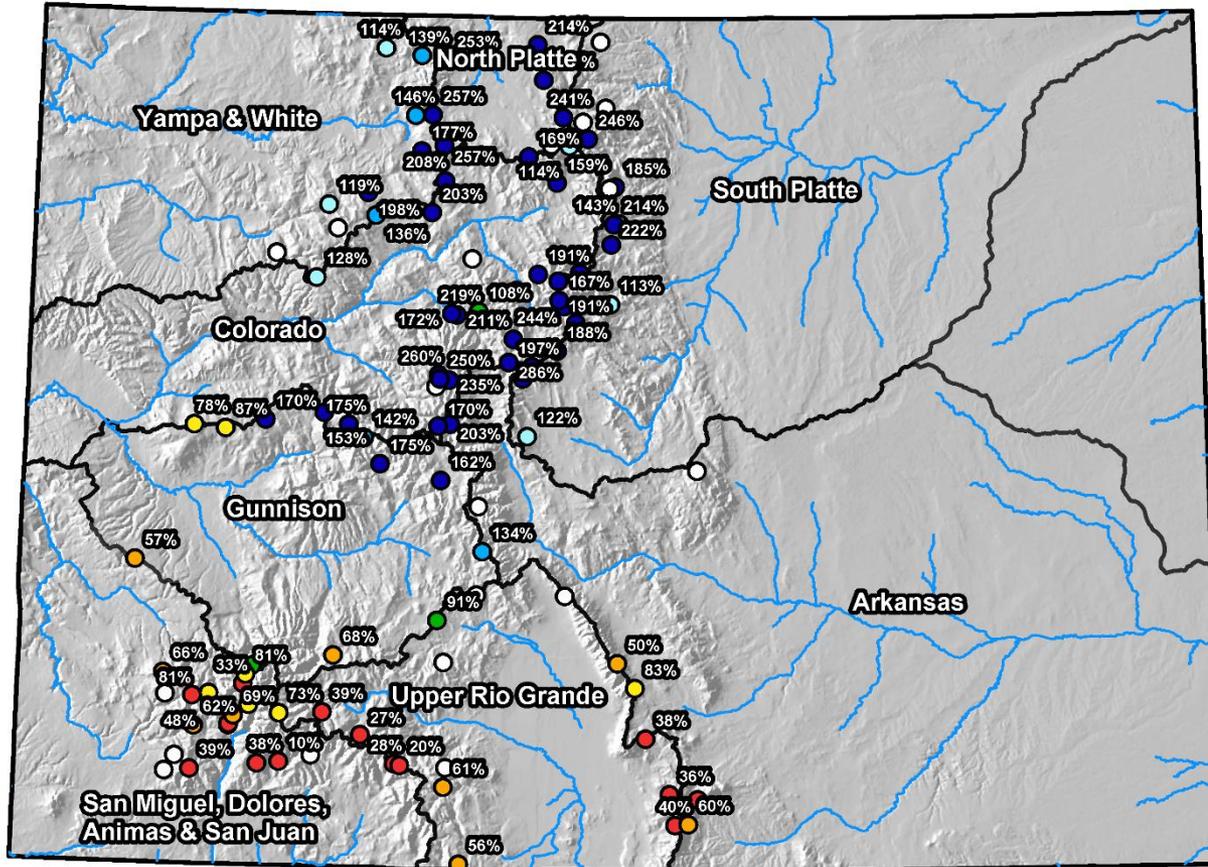
Colorado Statewide High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Feb 12, 2021

January PREC
67% of Average
February to date PREC
136% of Average

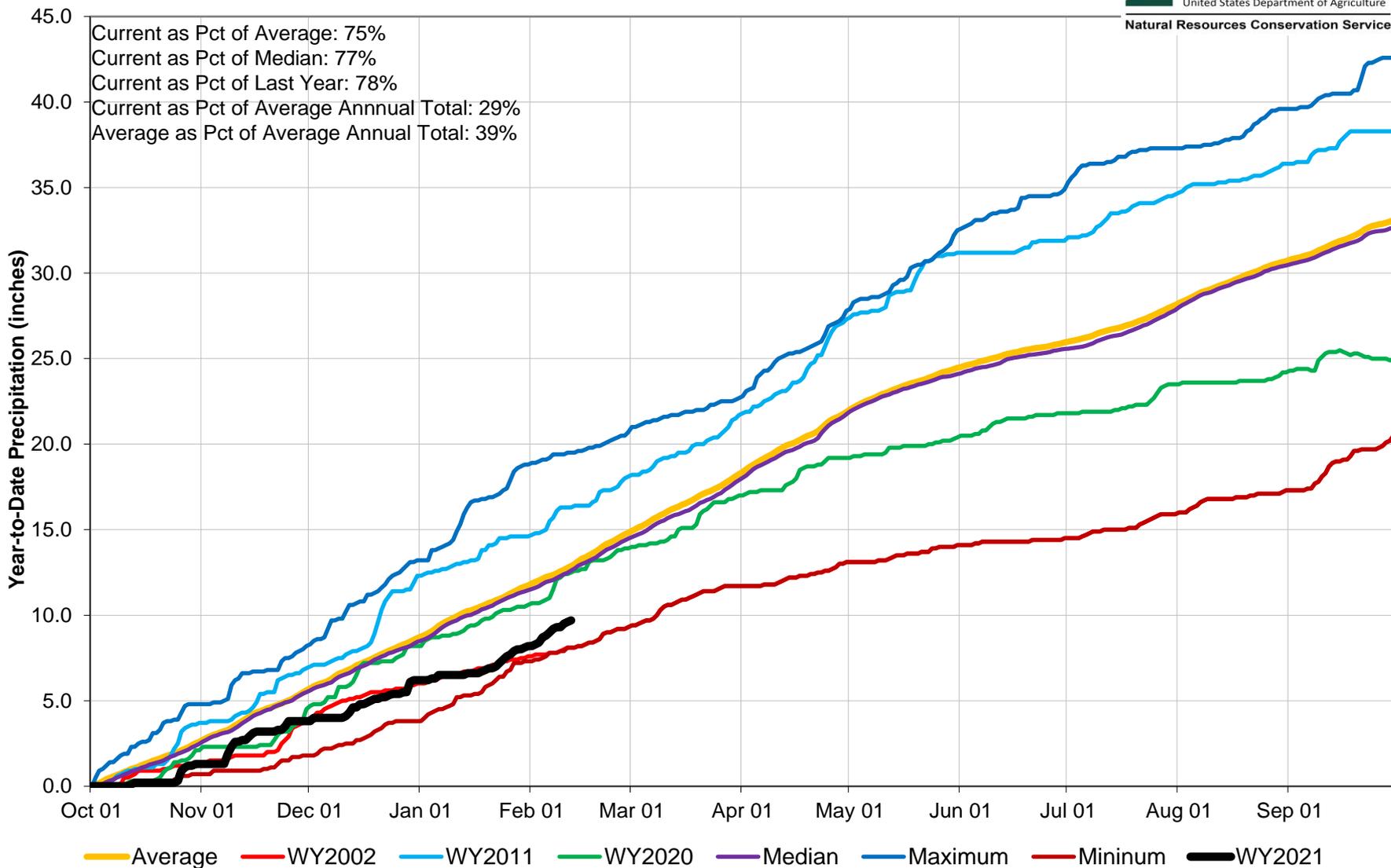


Colorado SNOTEL Month-to-Date Precipitation Current as of Feb 12, 2021



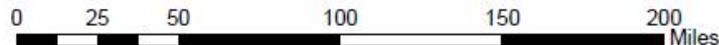
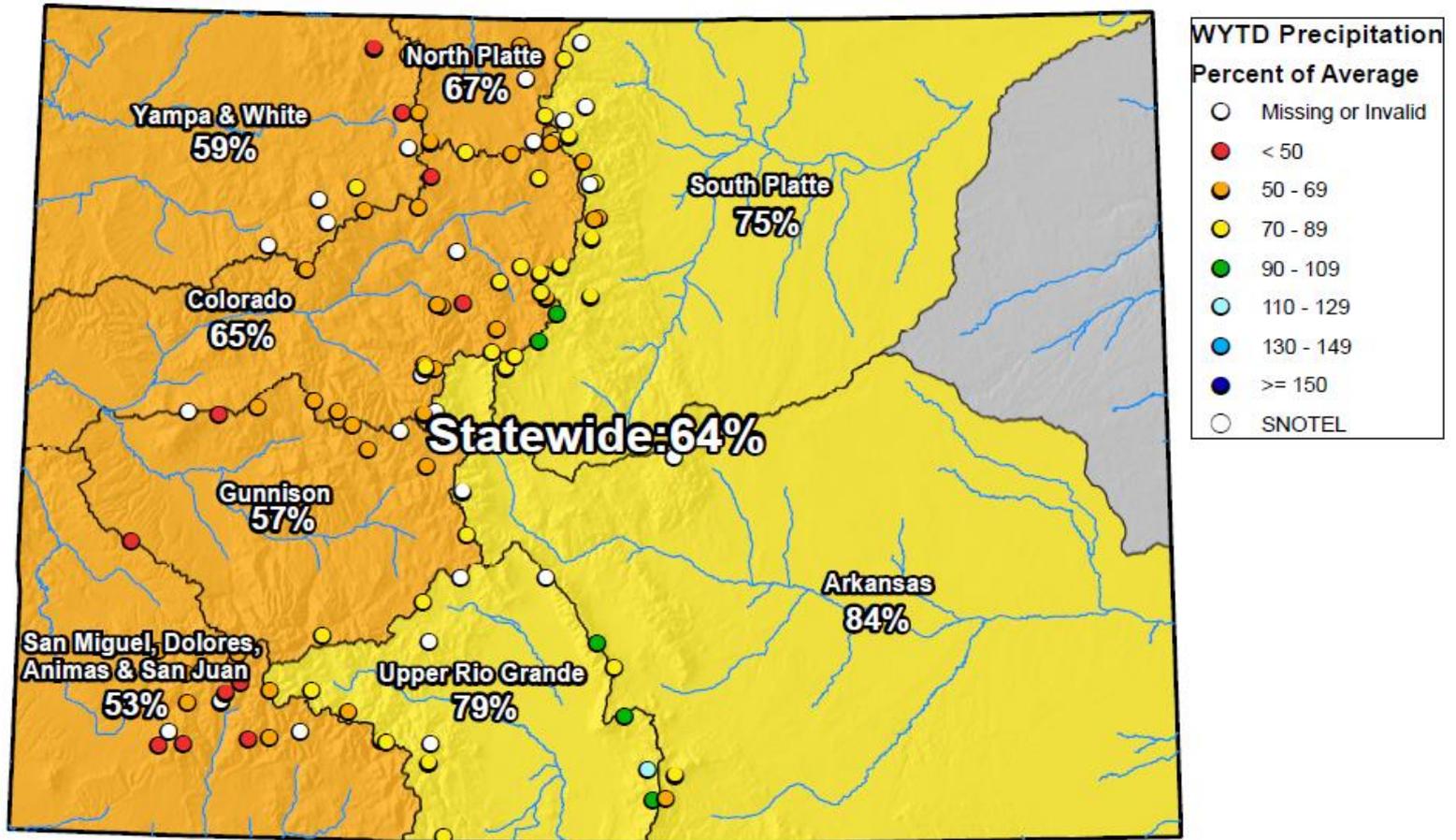
Colorado Statewide High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Feb 12, 2021

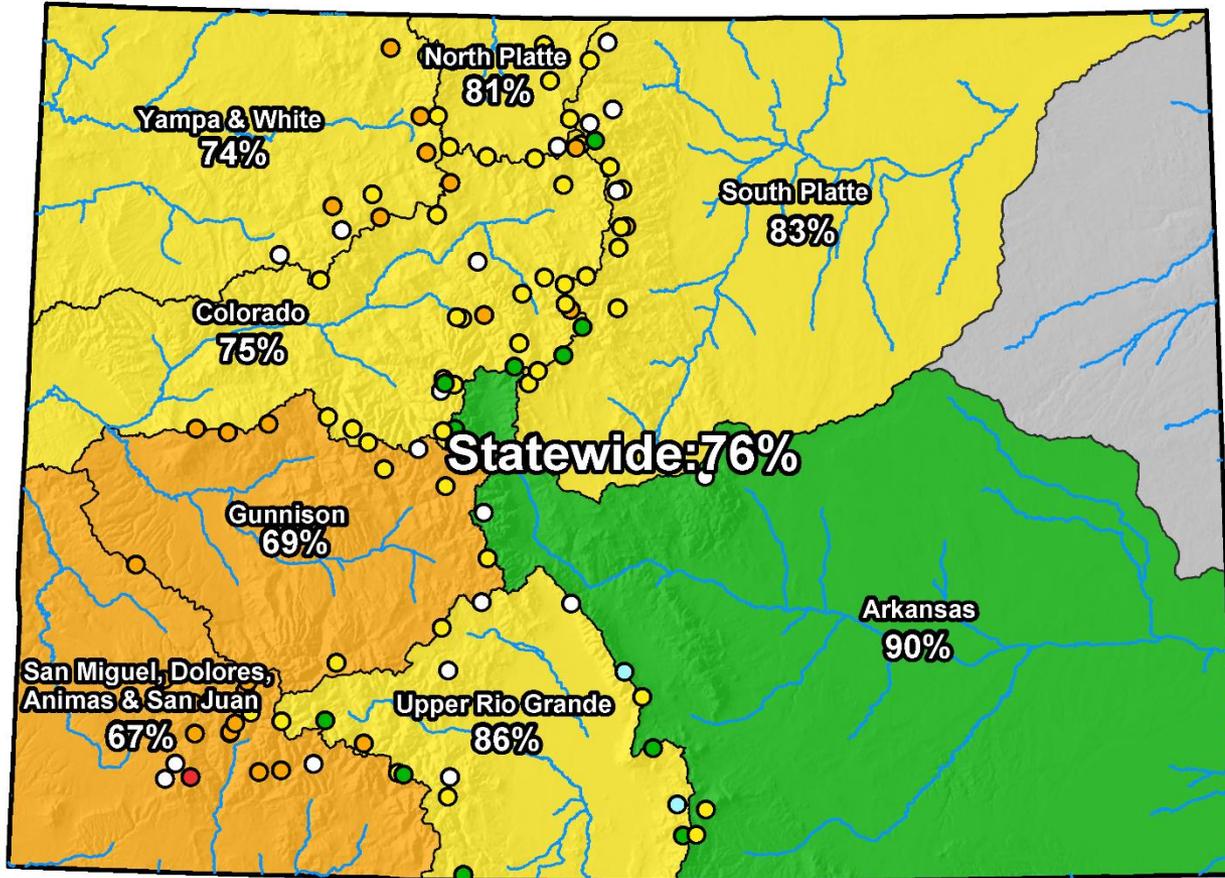


Colorado SNOTEL Water Year to Date Precipitation

Current as of Jan 20, 2021

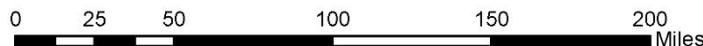


Colorado SNOTEL Water Year to Date Precipitation Current as of Feb 12, 2021

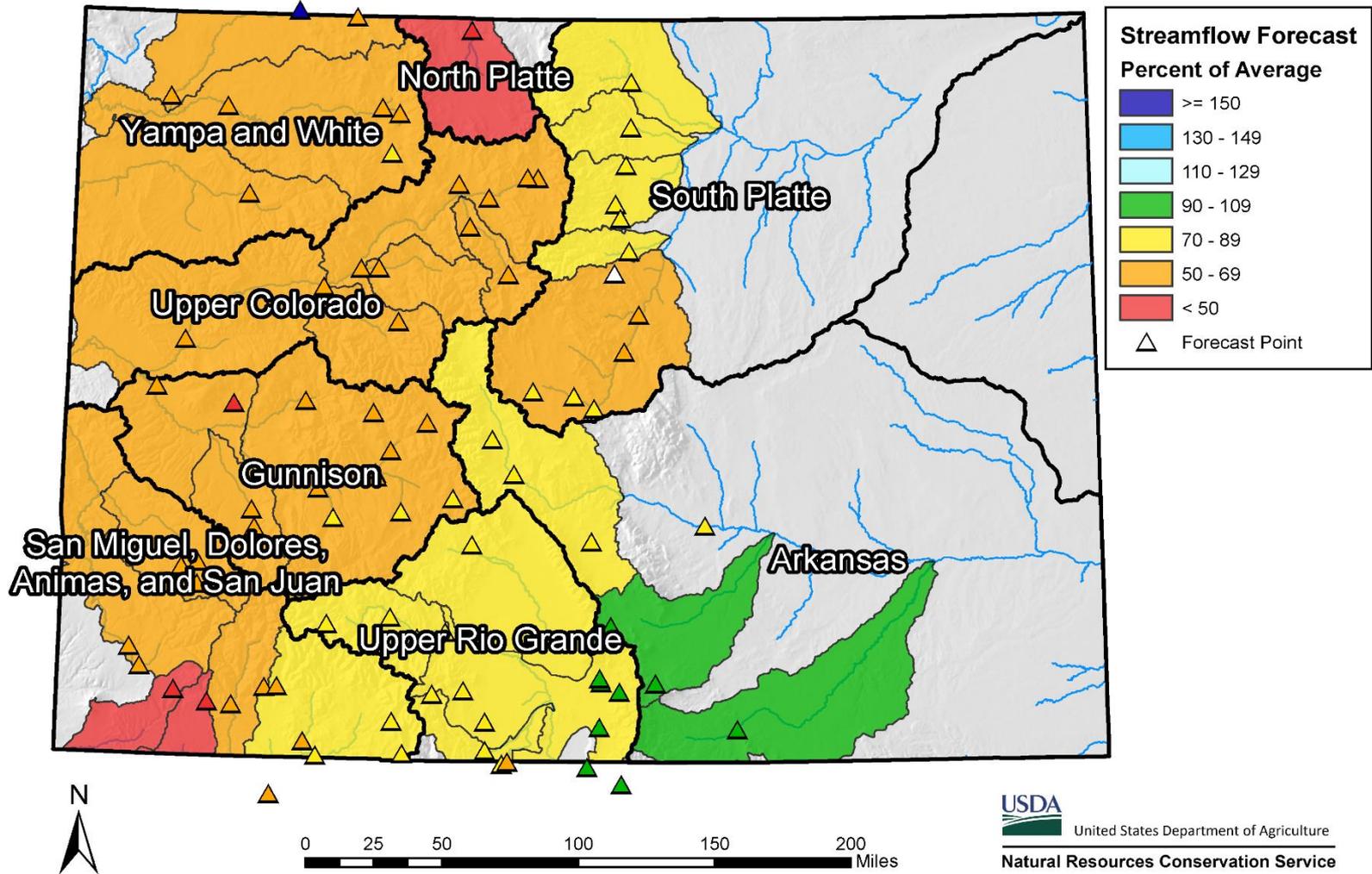


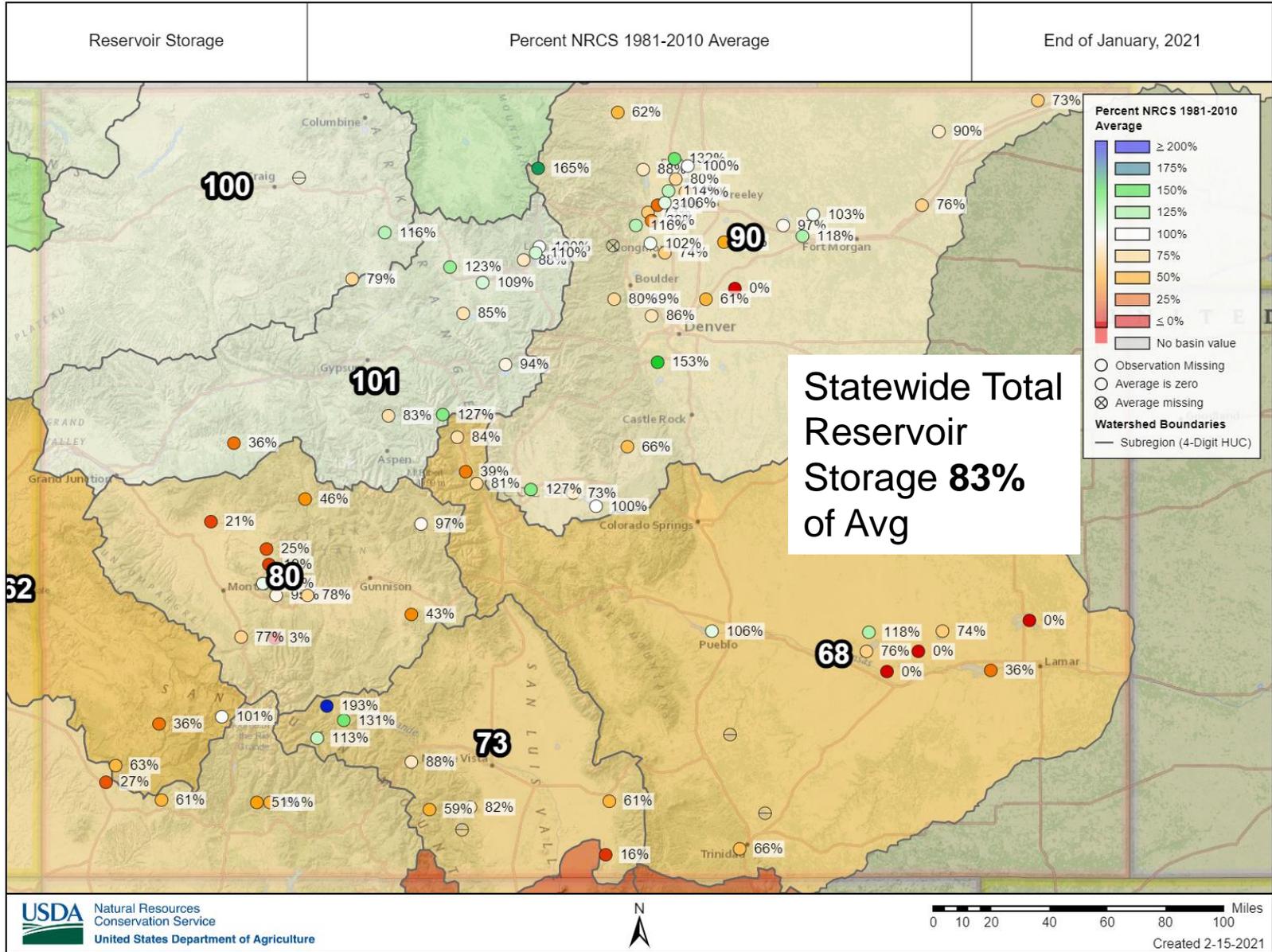
**WYTD Precipitation
Percent of Average**

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



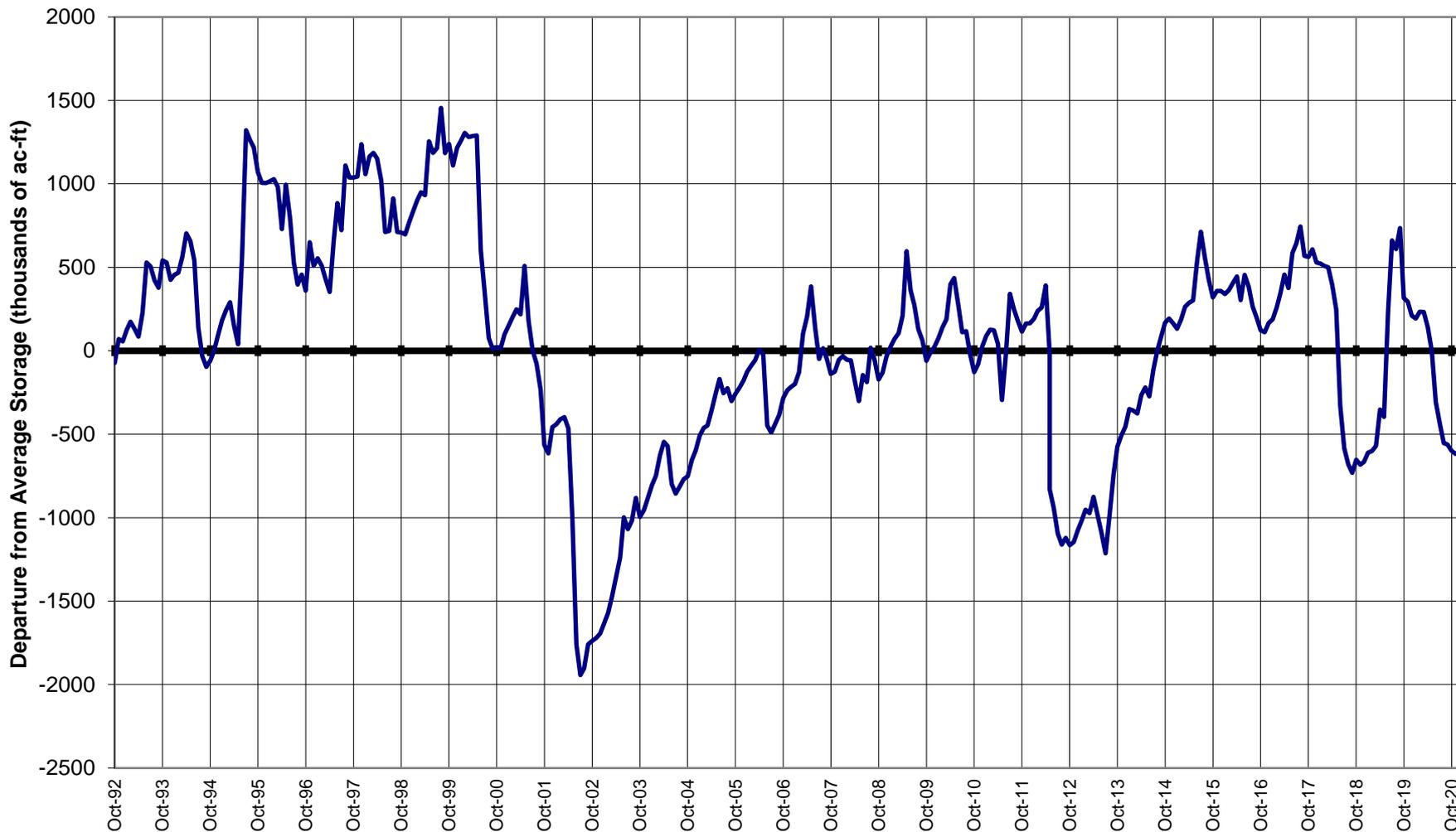
Colorado Streamflow Forecasts Summary February 1, 2021







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



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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