



Water Availability Task Force Meeting

March 17th, 2020

NRCS Snow Survey and Water Supply Forecasting Program

Brian Domonkos

Hydrologist

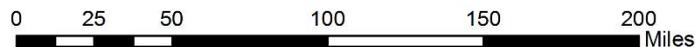
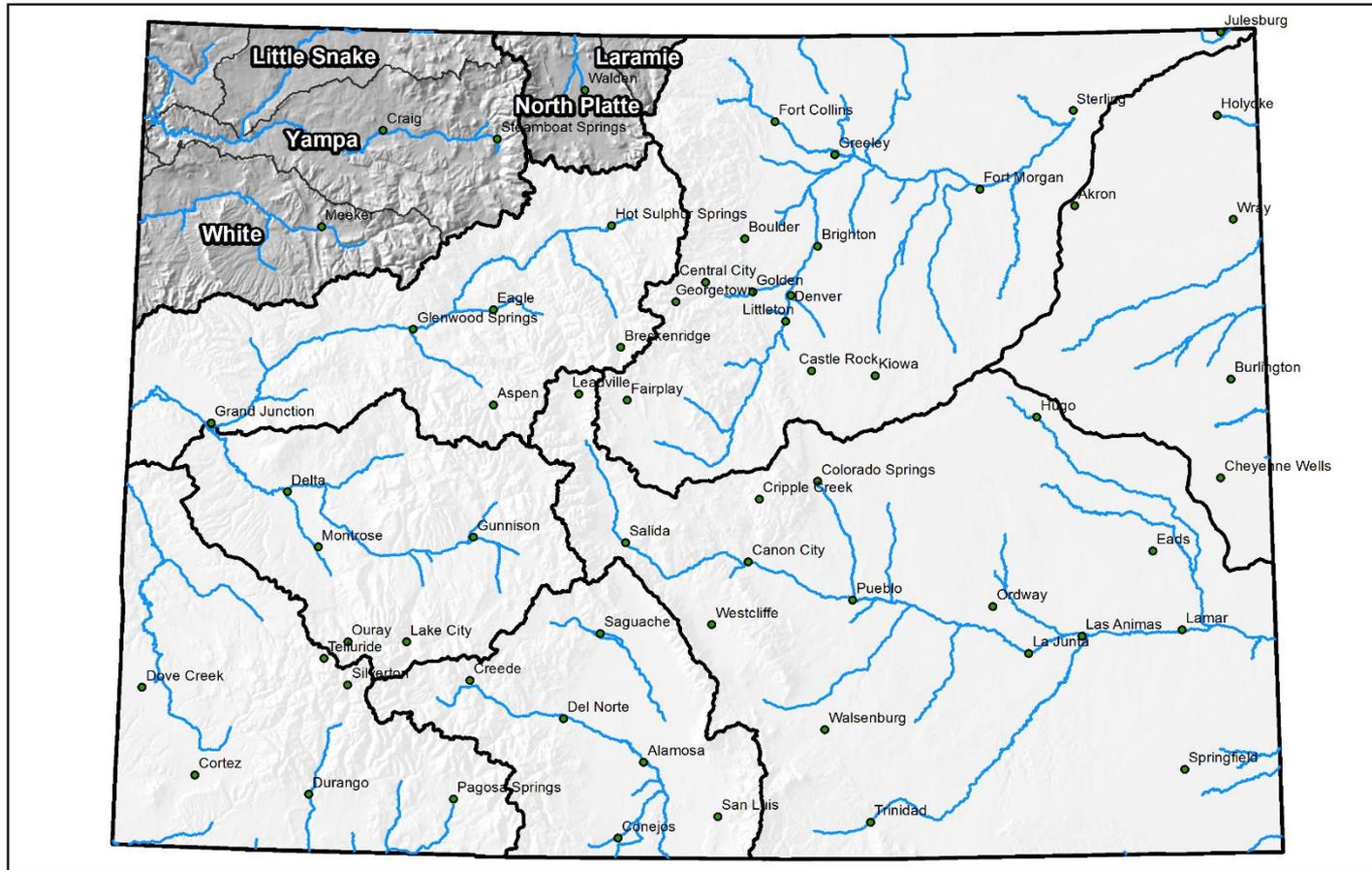
Colorado Snow Survey Supervisor

720-544-2852

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

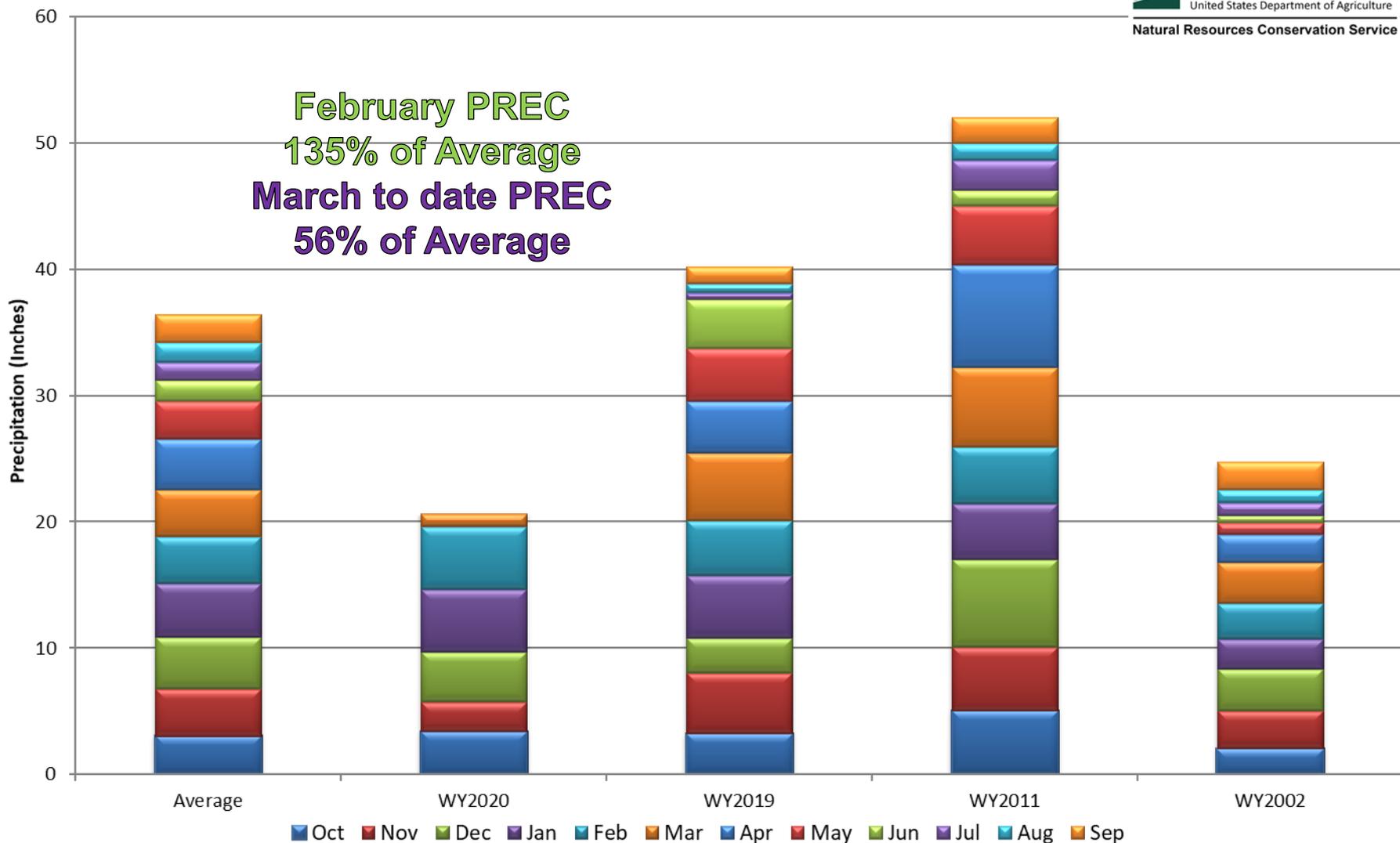
Major Basin Summary

Yampa, White, and North Platte River Basins

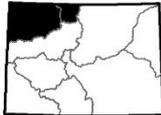
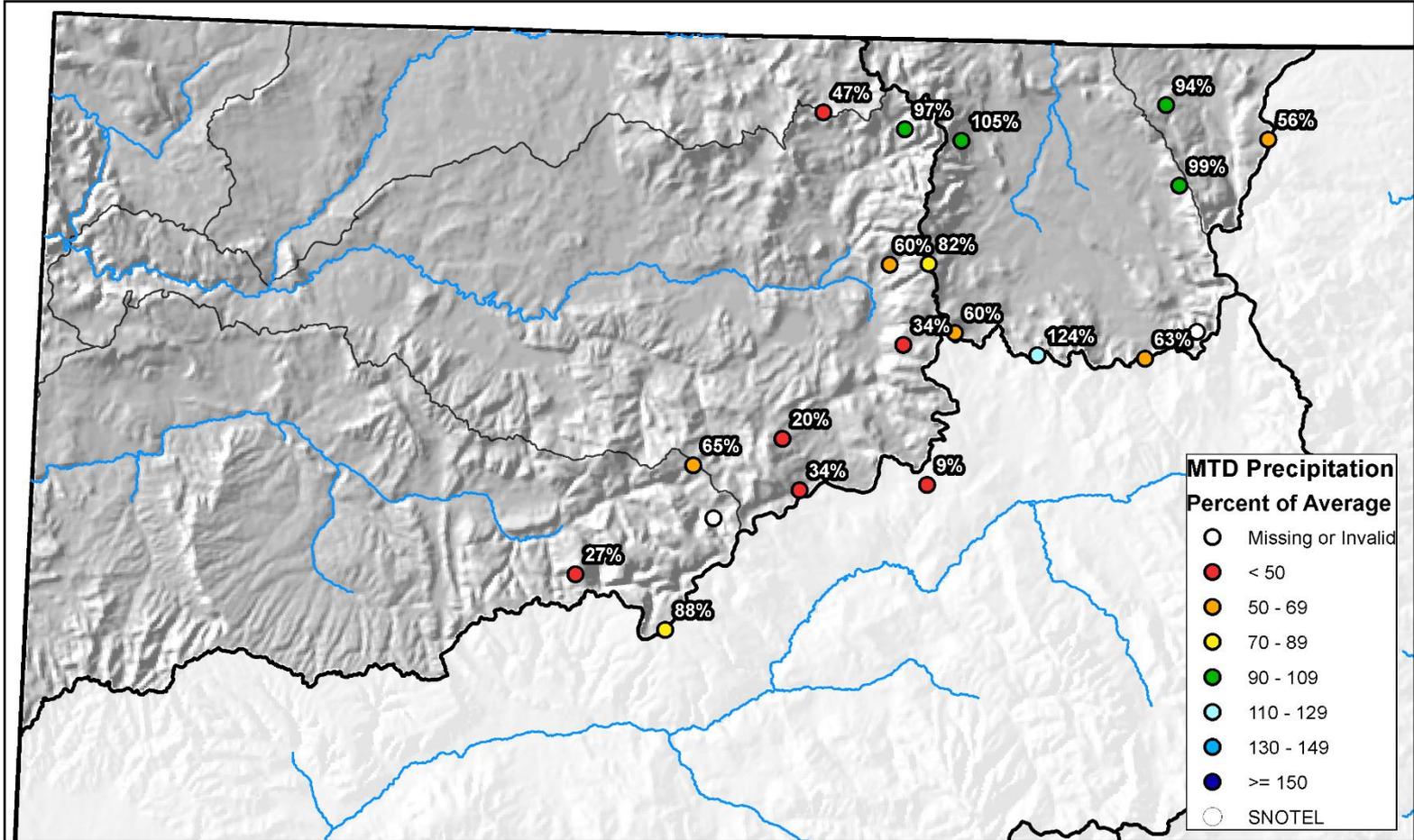


Yampa and White River Basins High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Mar 17, 2020

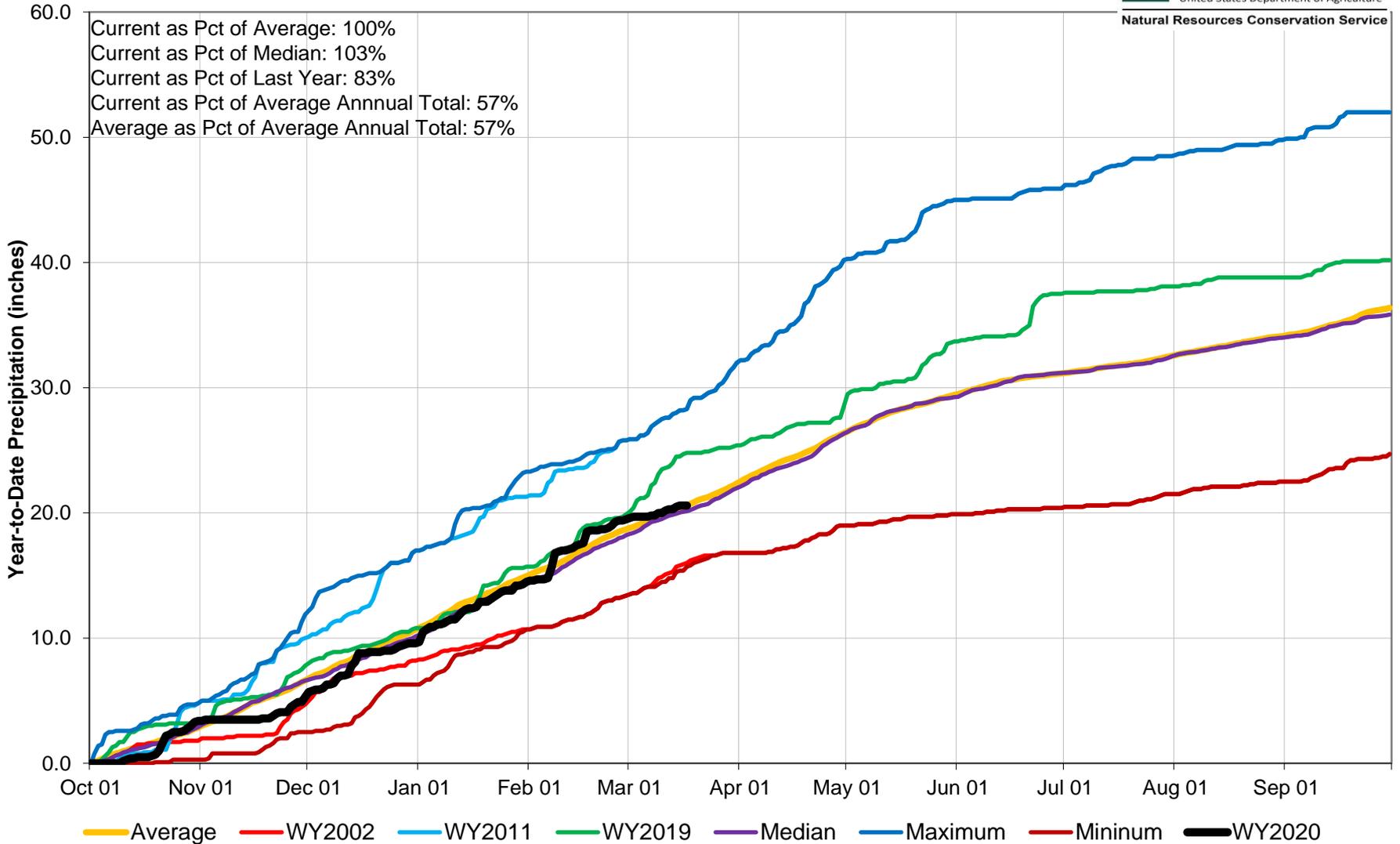


Yampa, White, and North Platte River Basins Month to Date Precipitation Summary Current as of Mar 17, 2020

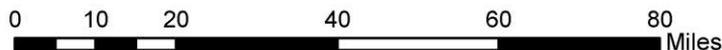
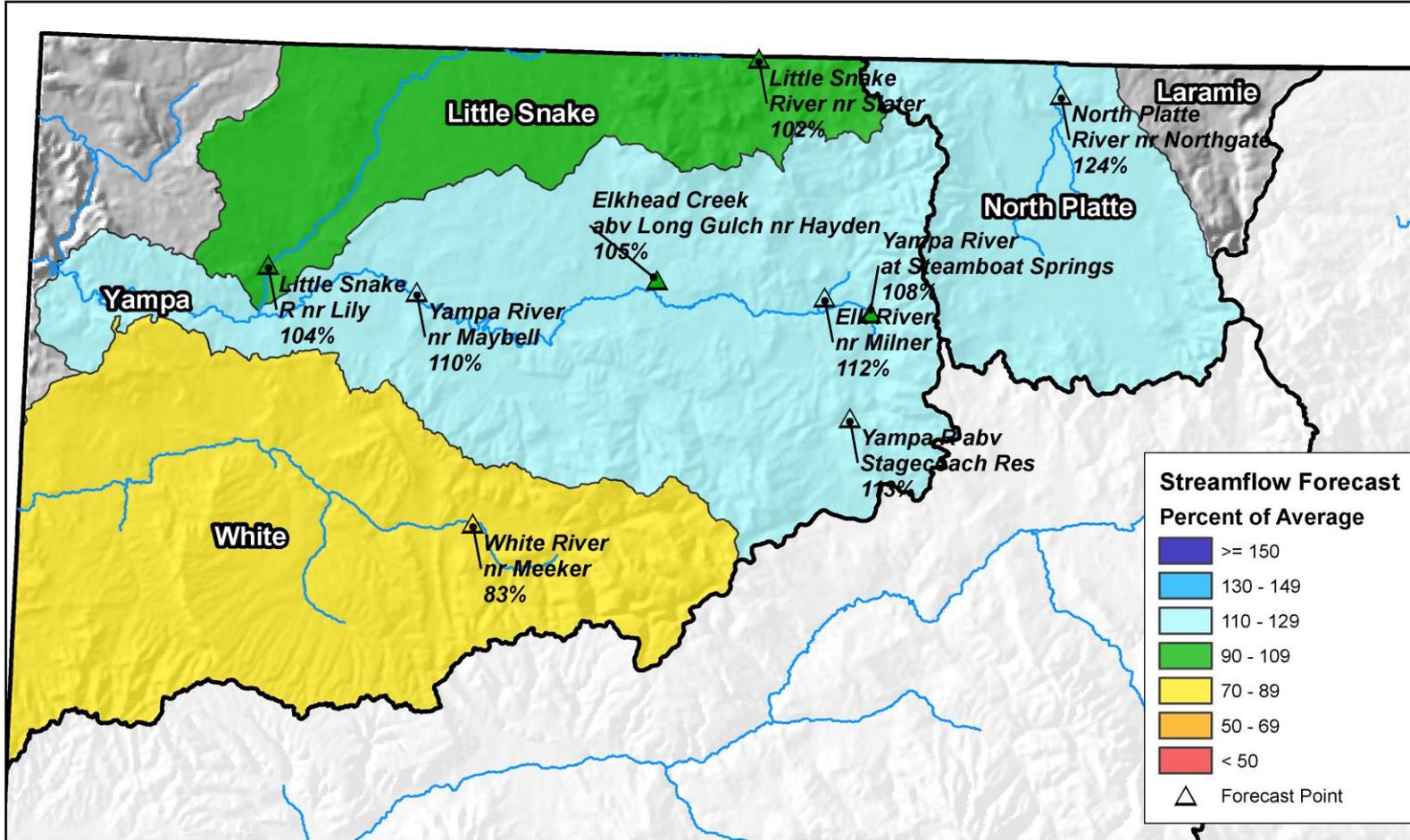


Yampa and White River Basins High/Low Year-to-Date Precipitation Summary

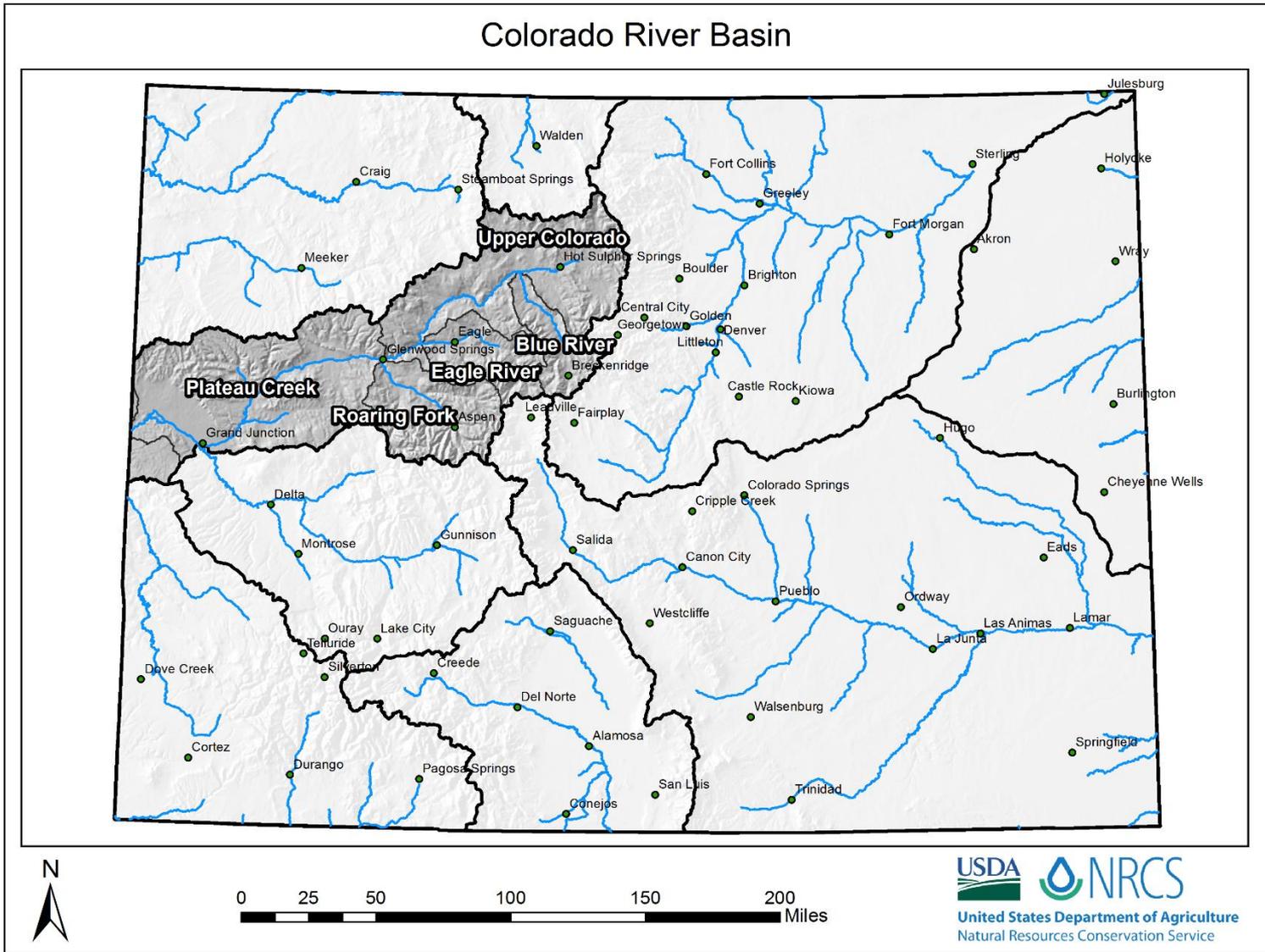
Based on Provisional SNOTEL data as of Mar 17, 2020



Yampa, White, and North Platte River Basins Streamflow Forecast Summary March 1, 2020

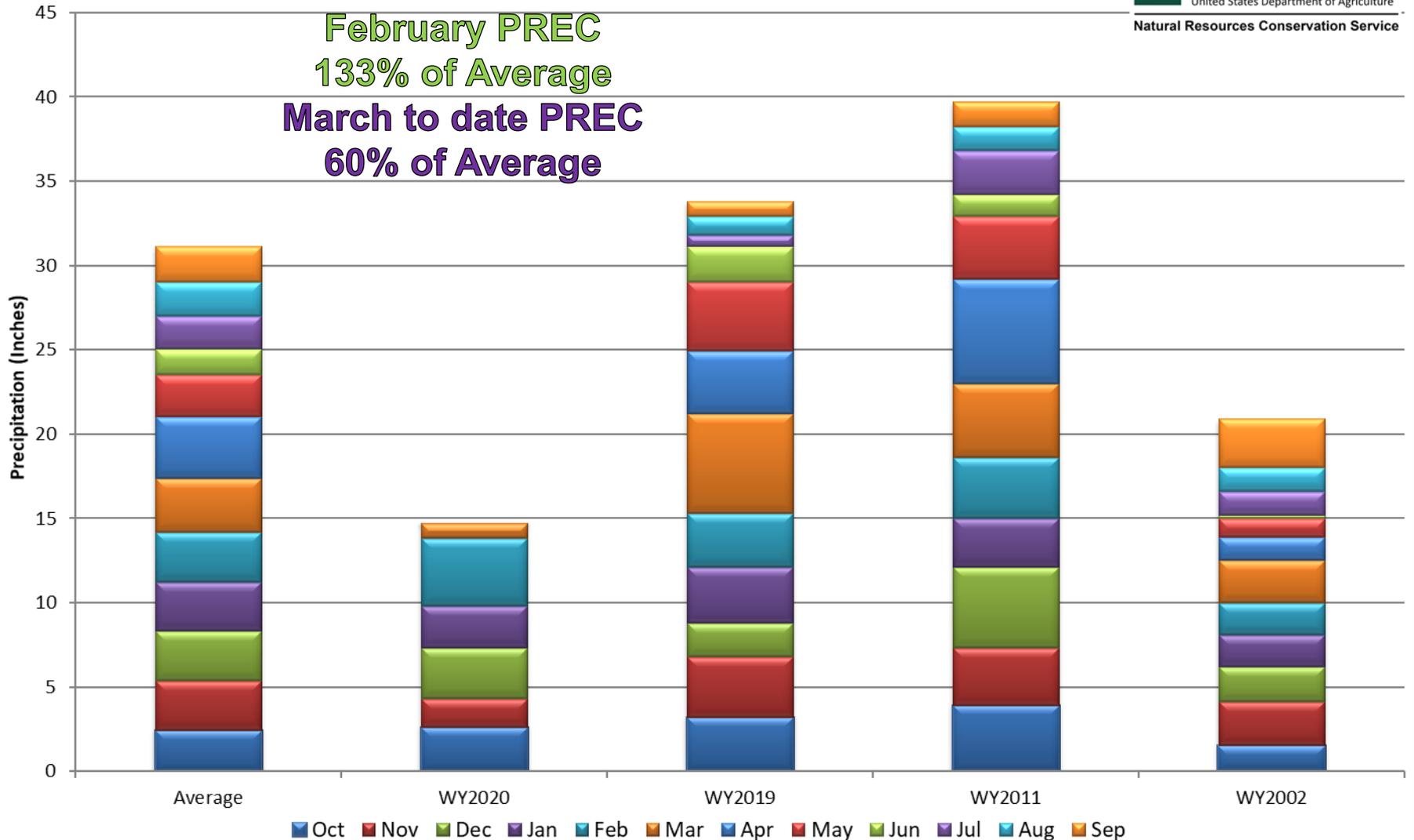


Major Basin Summary

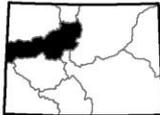
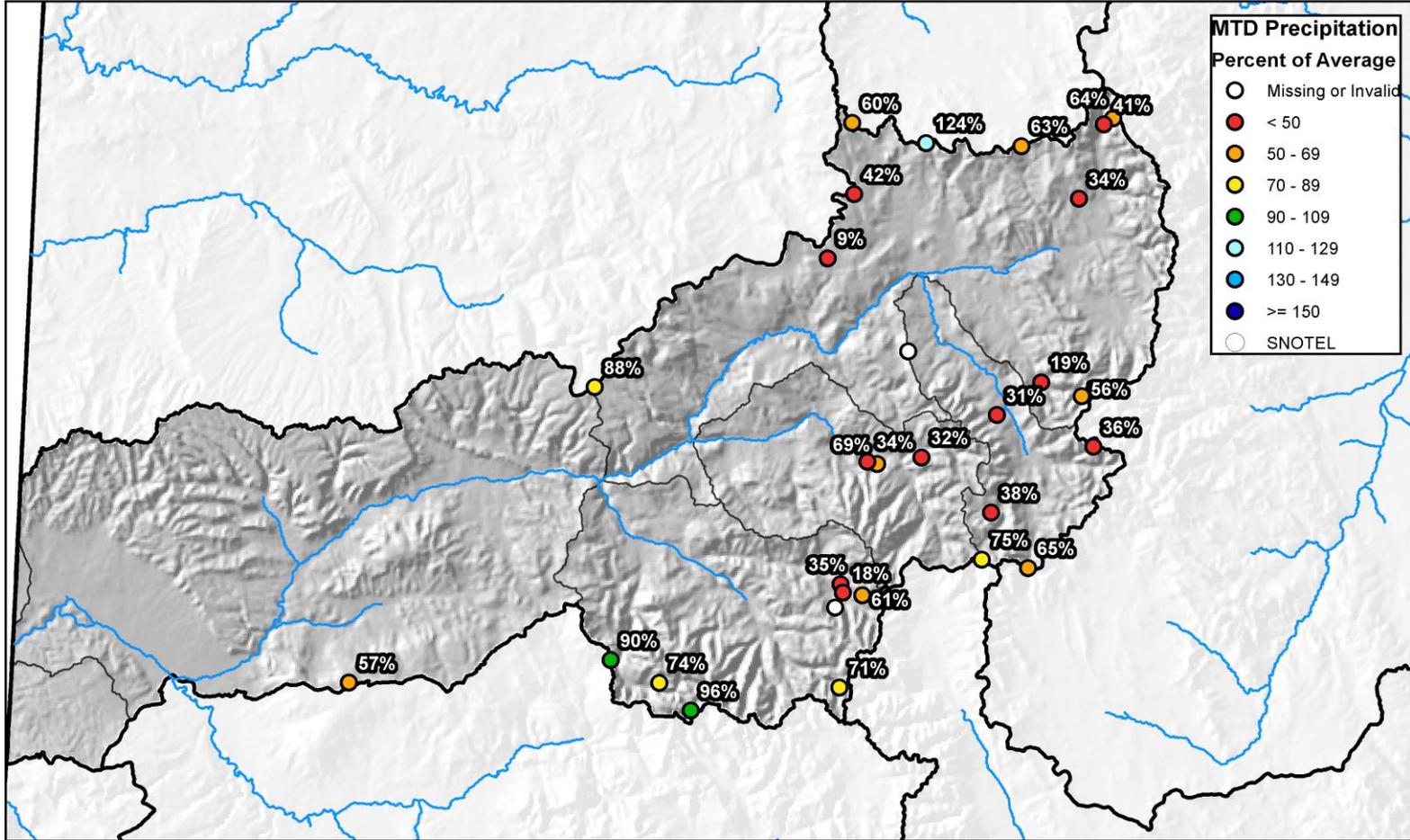


Upper Colorado River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Mar 17, 2020



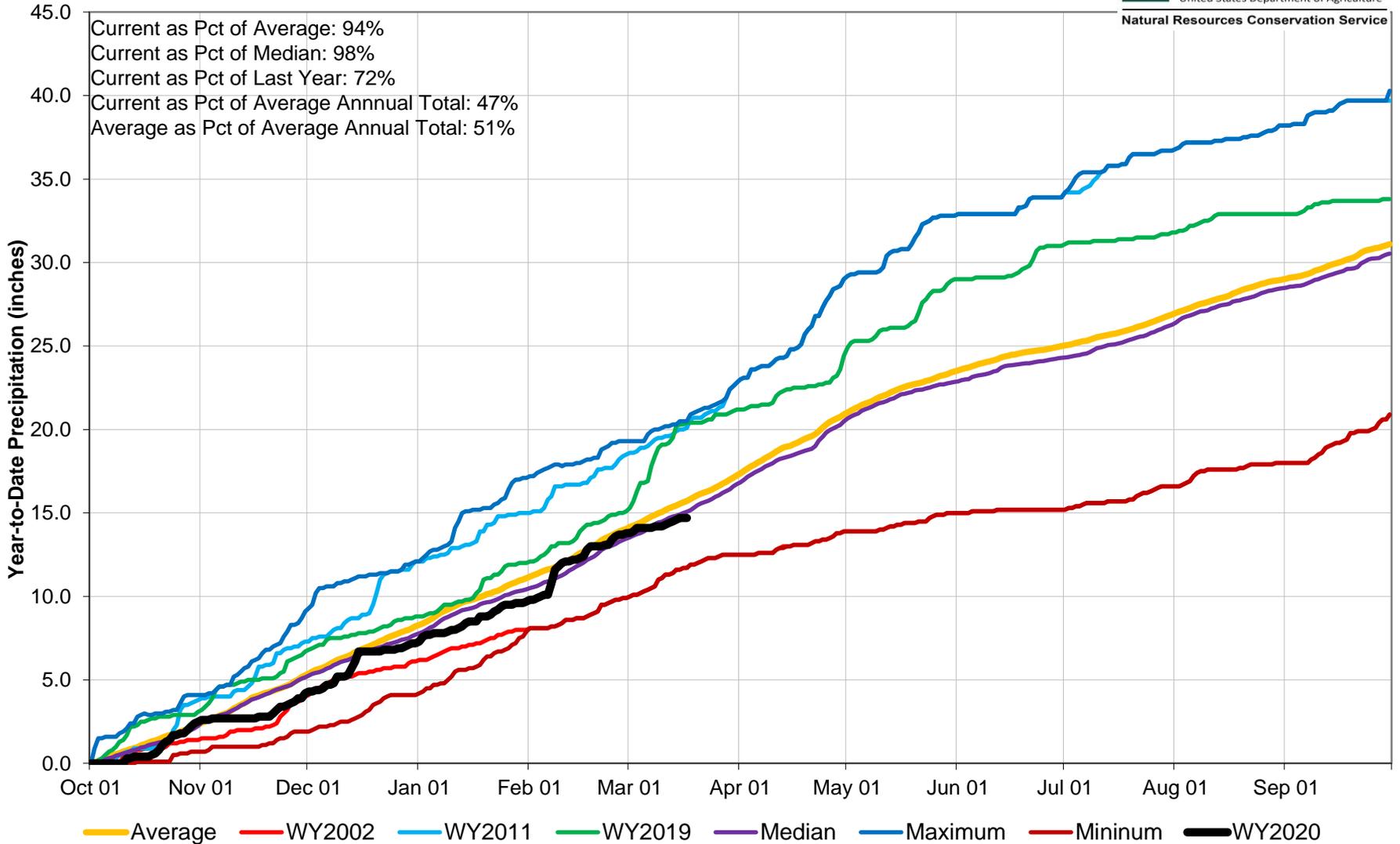
Upper Colorado River Basin Month to Date Precipitation Summary Current as of Mar 17, 2020





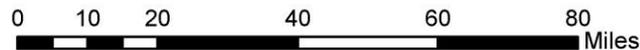
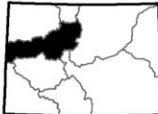
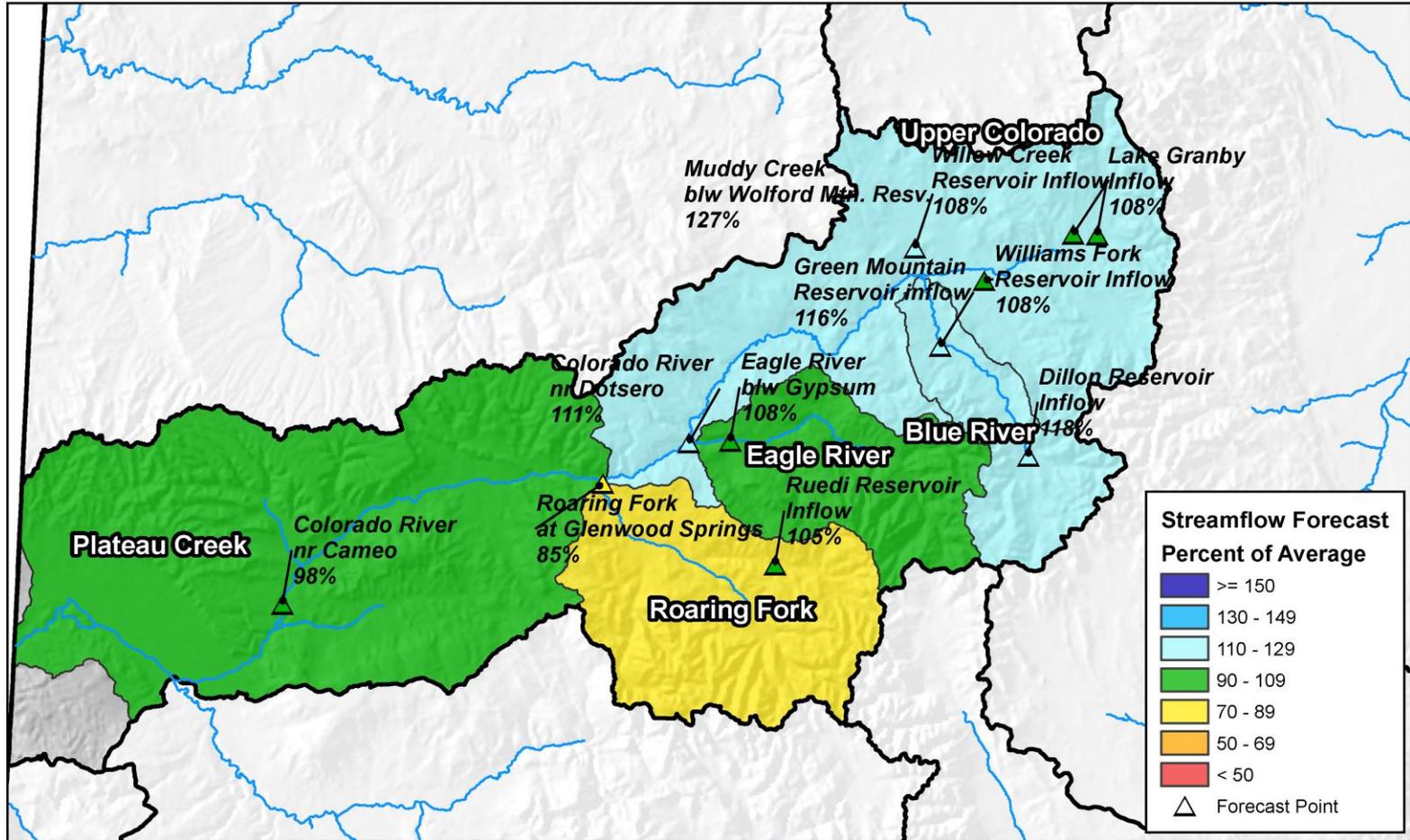
Upper Colorado River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Mar 17, 2020



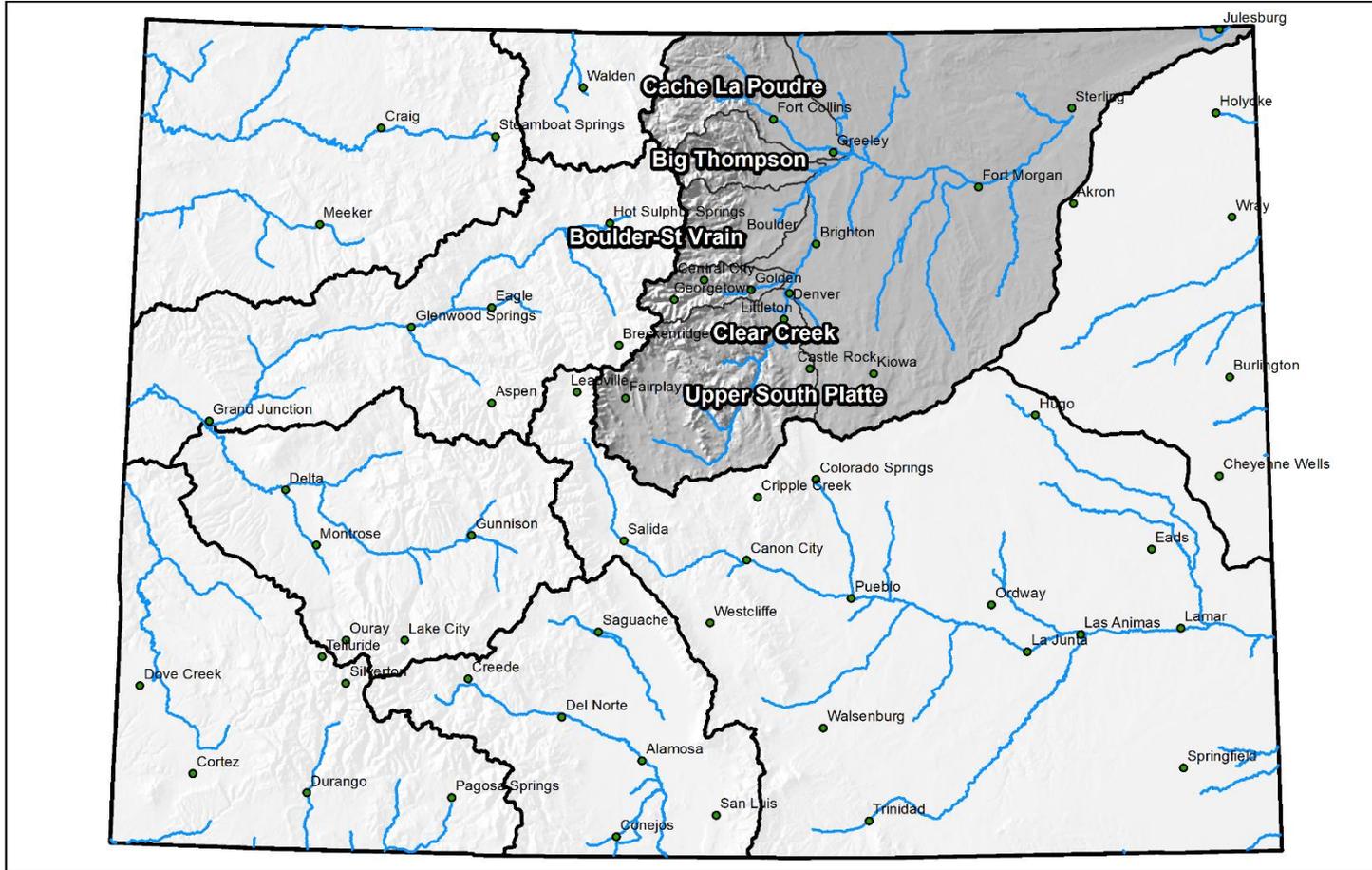
Upper Colorado River Basin Streamflow Forecast Summary

March 1, 2020



Major Basin Summary

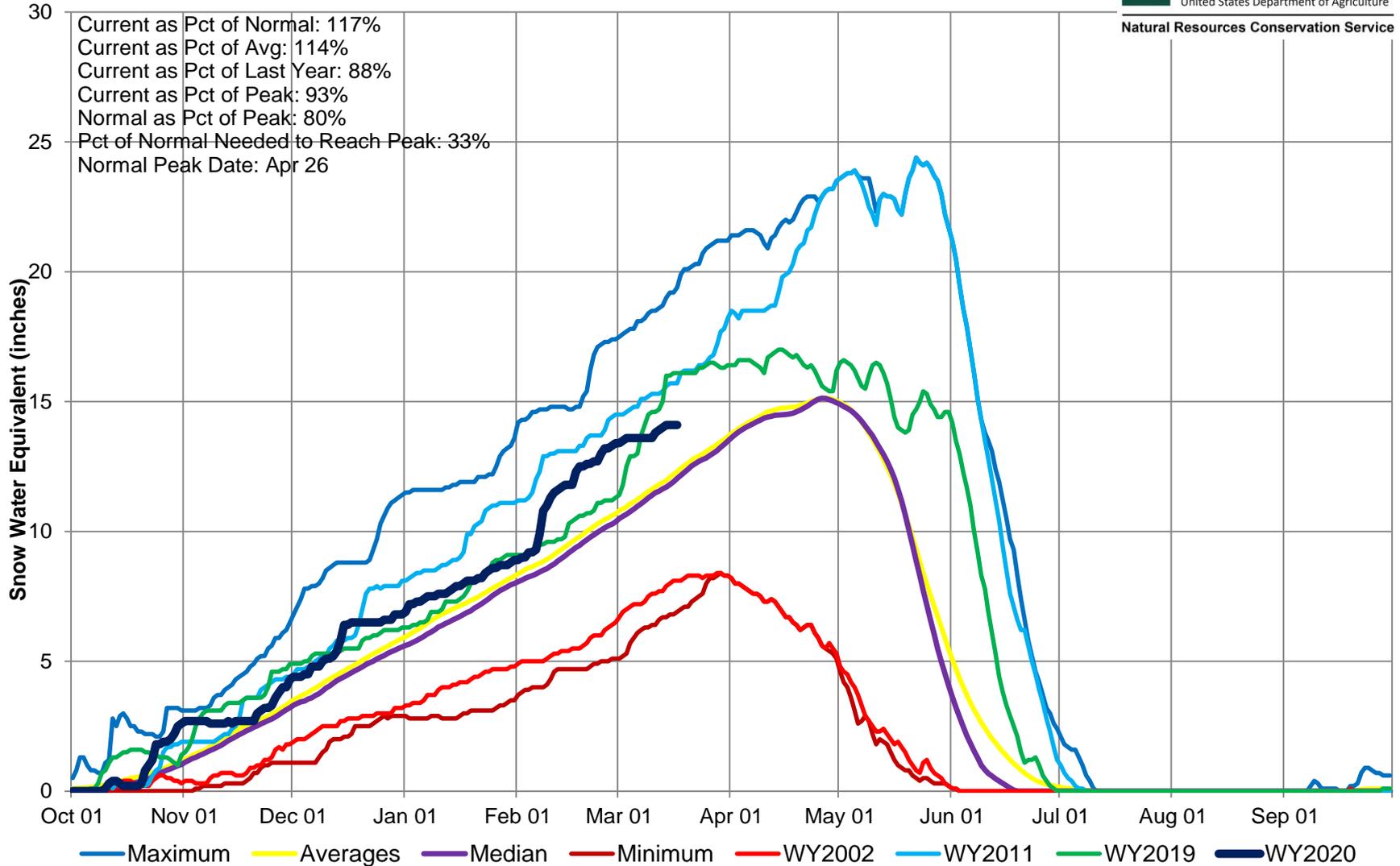
South Platte River Basin





South Platte River Basin High/Low Snowpack Summary

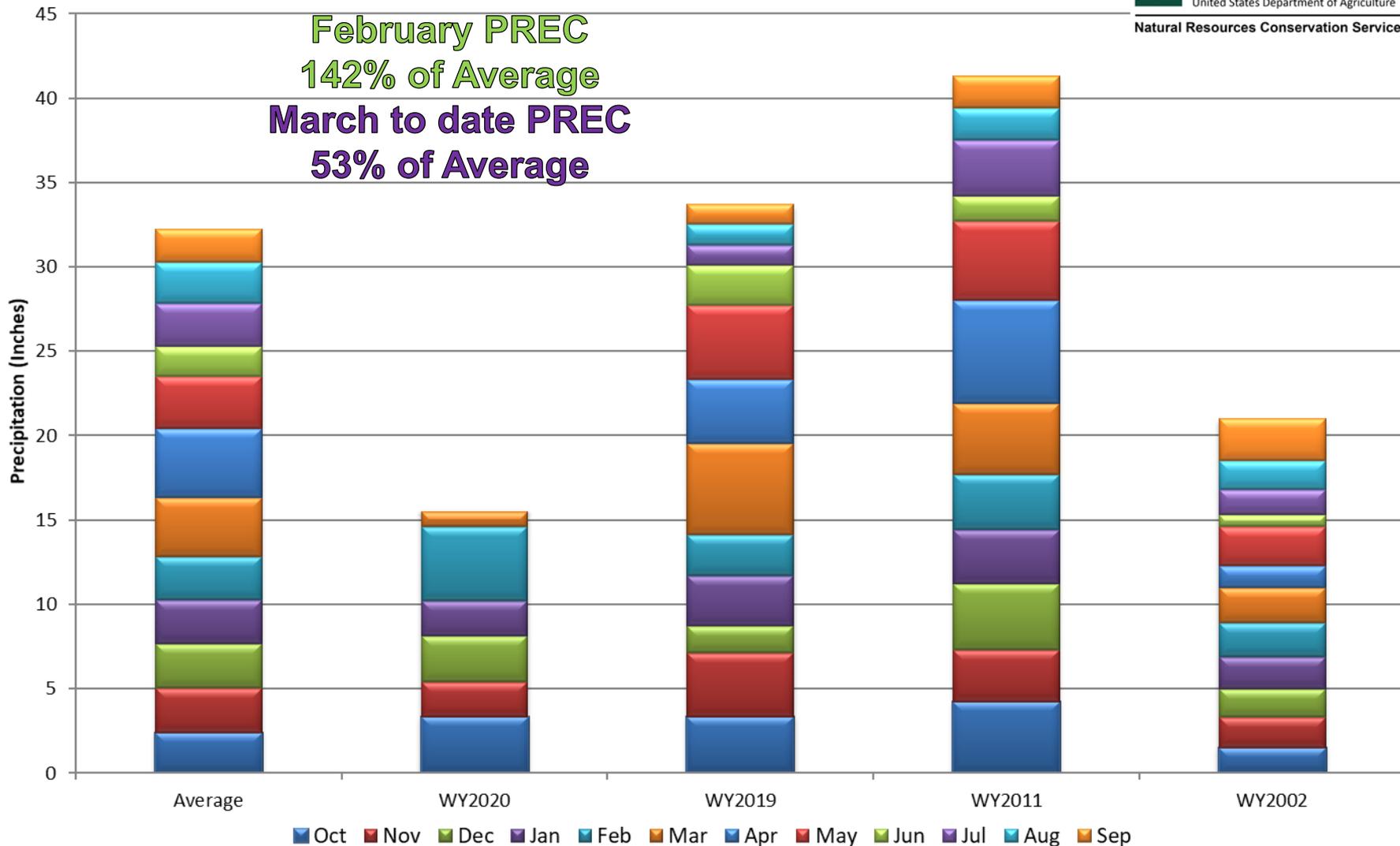
Based on Provisional SNOTEL data as of Mar 17, 2020



South Platte River Basin High/Low Monthly Precipitation Summary

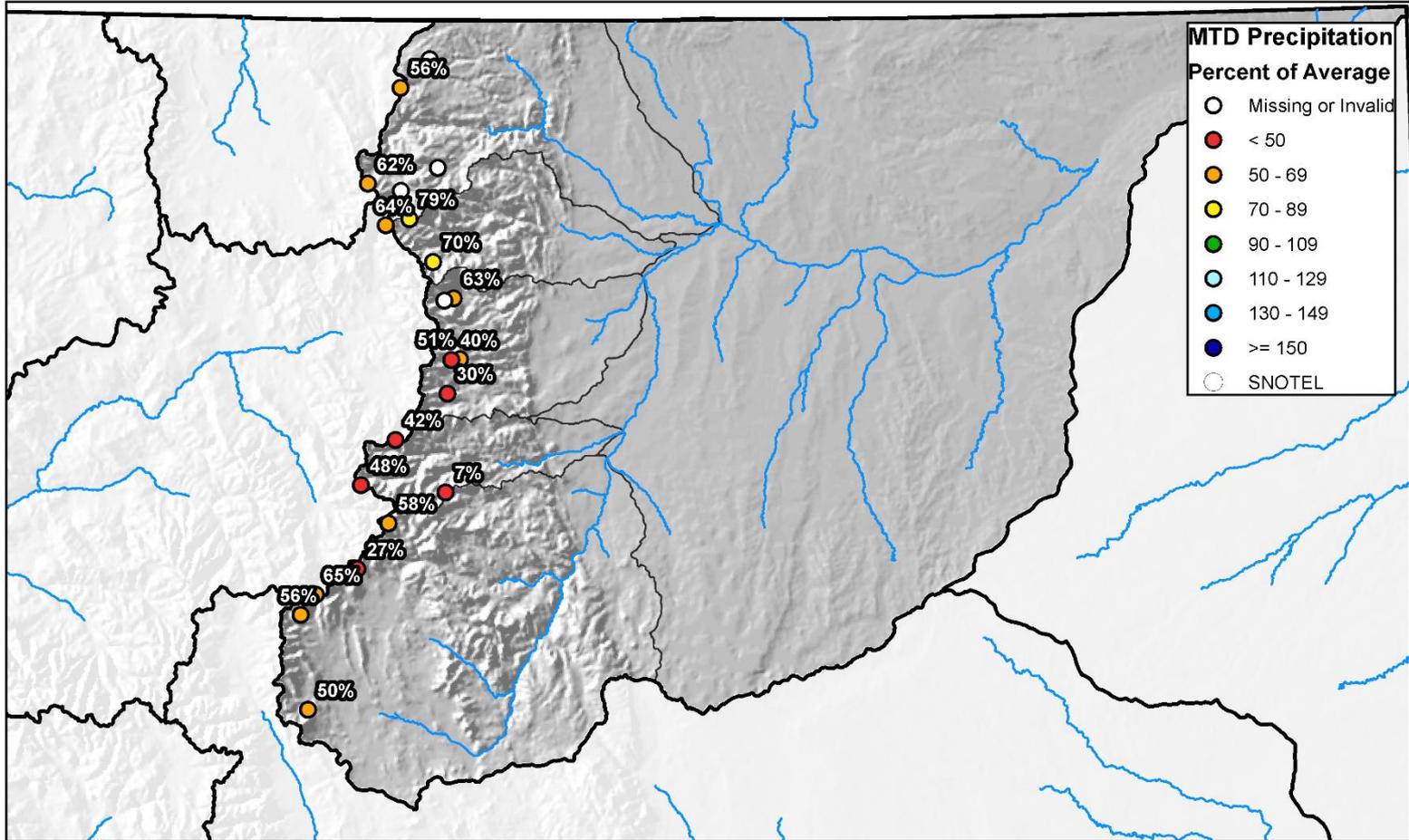
Based on Provisional SNOTEL data as of Mar 17, 2020

February PREC
142% of Average
March to date PREC
53% of Average



South Platte River Basin Month to Date Precipitation Summary

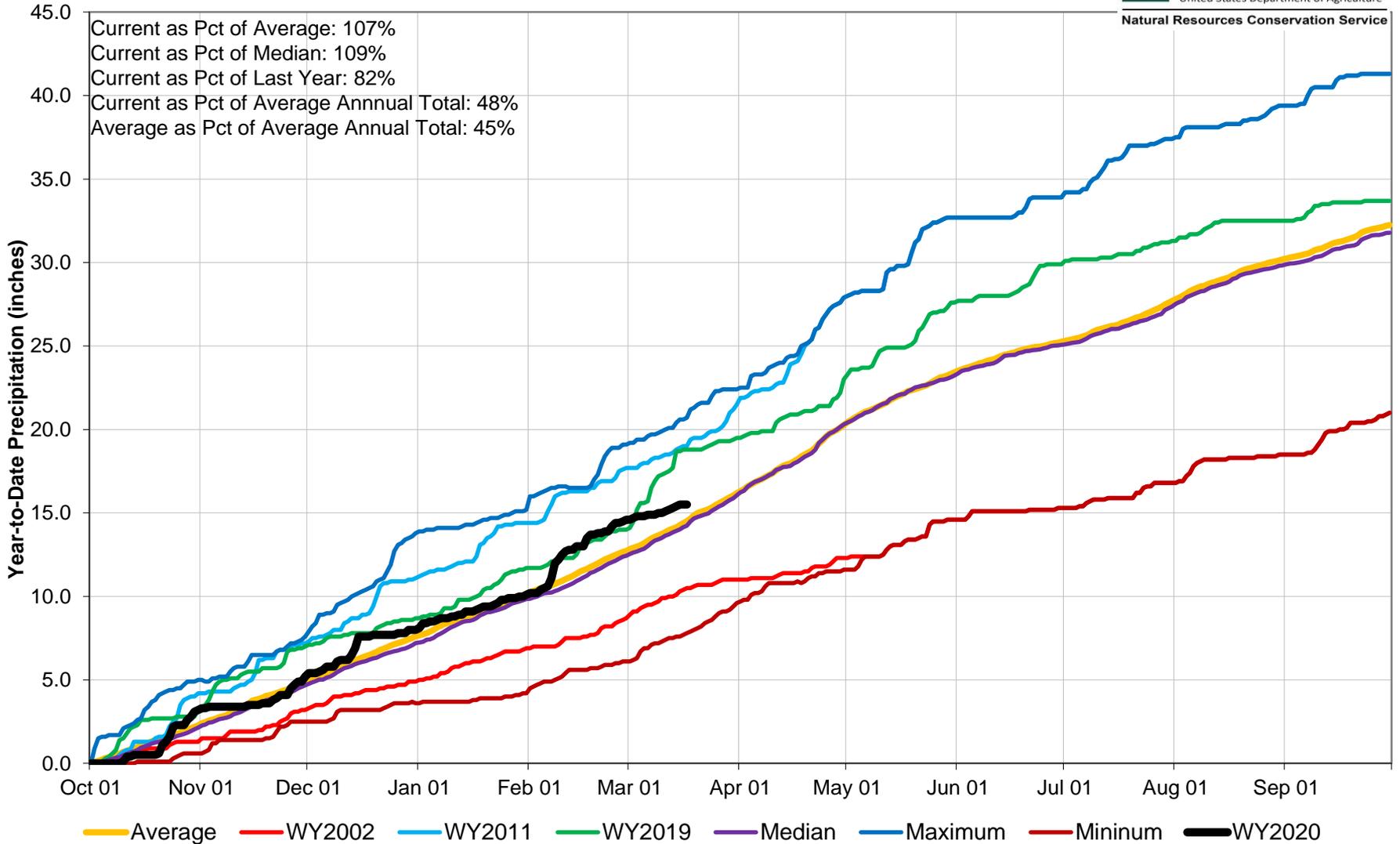
Current as of Mar 17, 2020



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

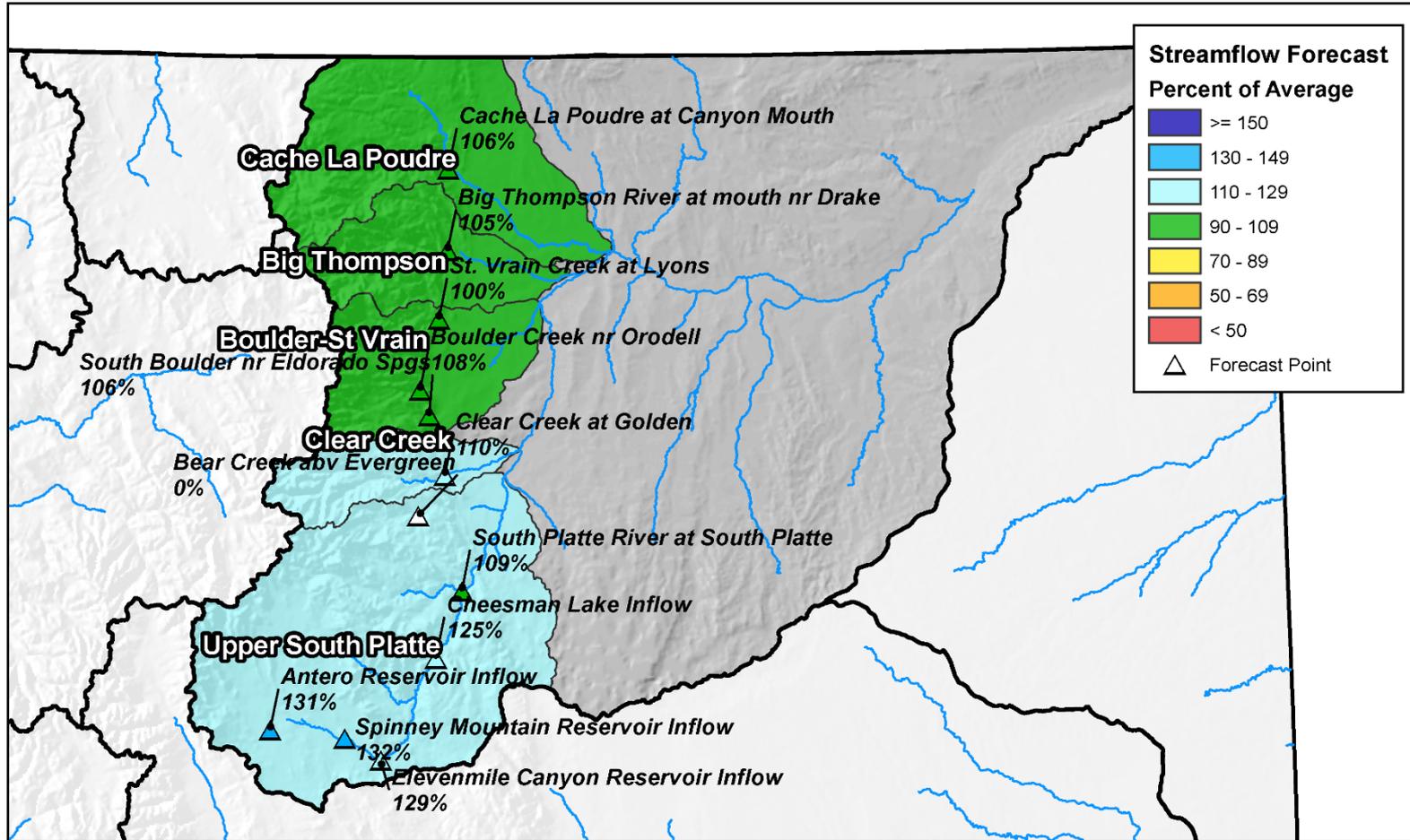
Based on Provisional SNOTEL data as of Mar 17, 2020

USDA
United States Department of Agriculture
Natural Resources Conservation Service



South Platte River Basin Streamflow Forecast Summary

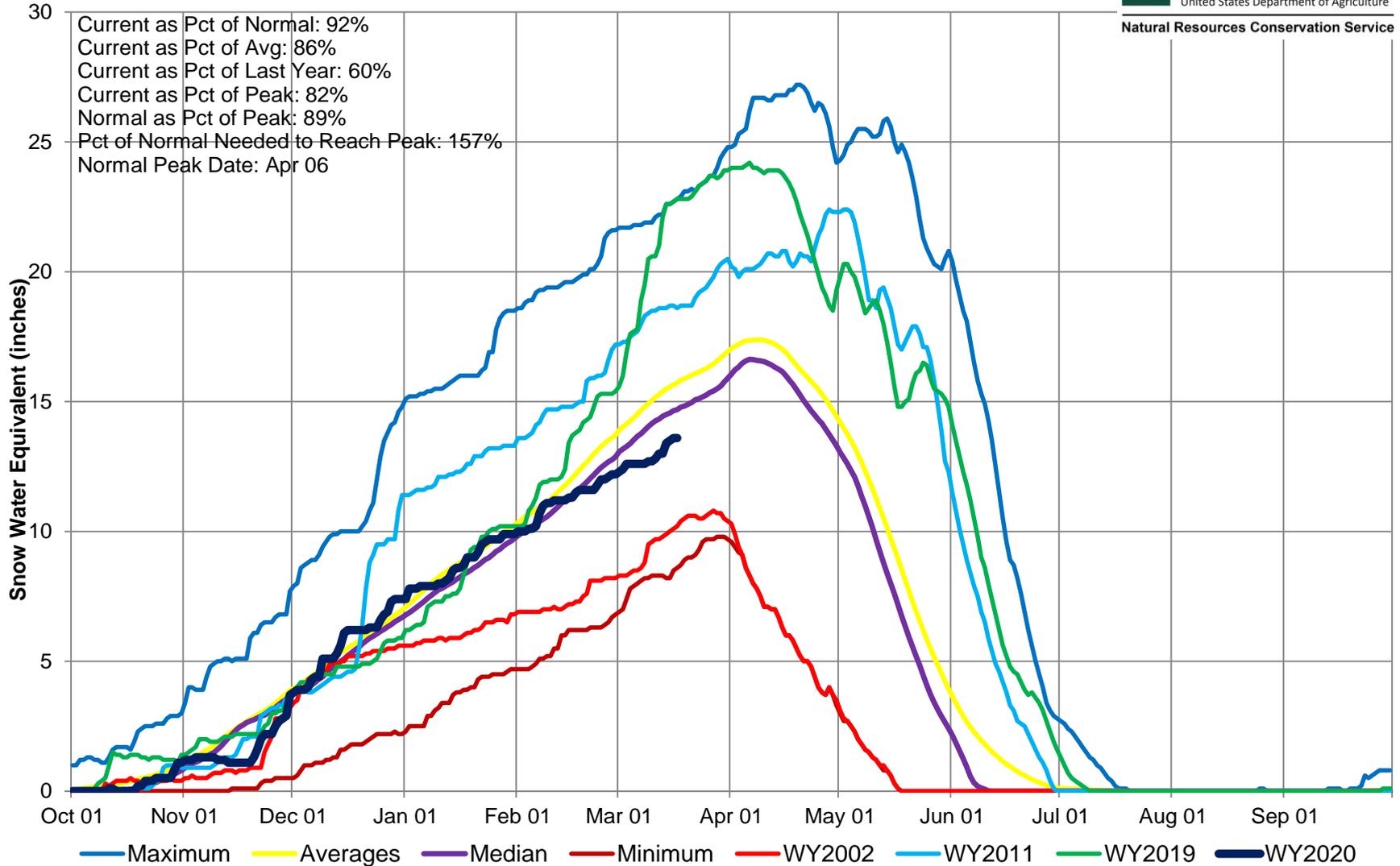
March 1, 2020





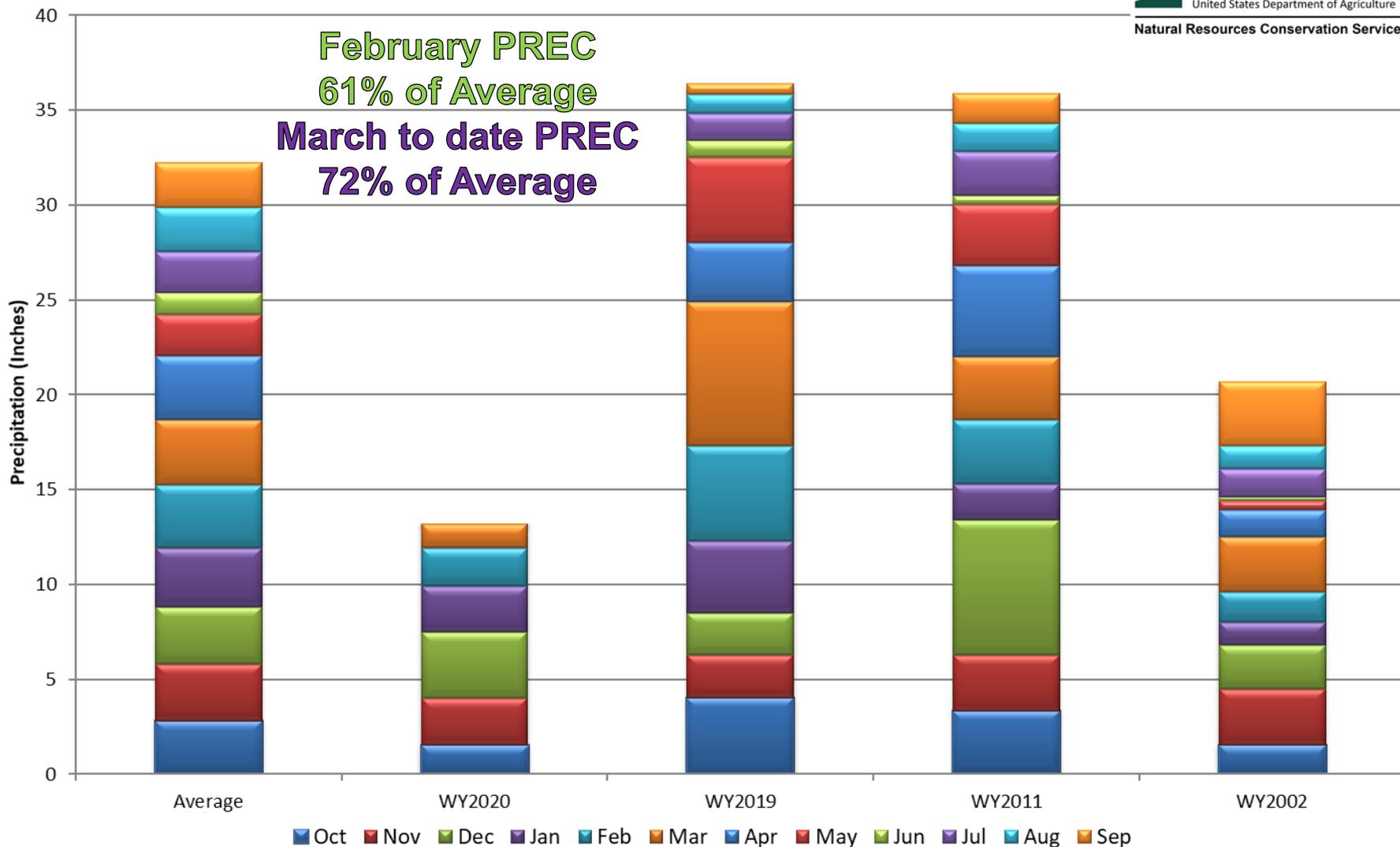
Gunnison River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Mar 17, 2020

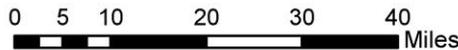
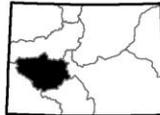
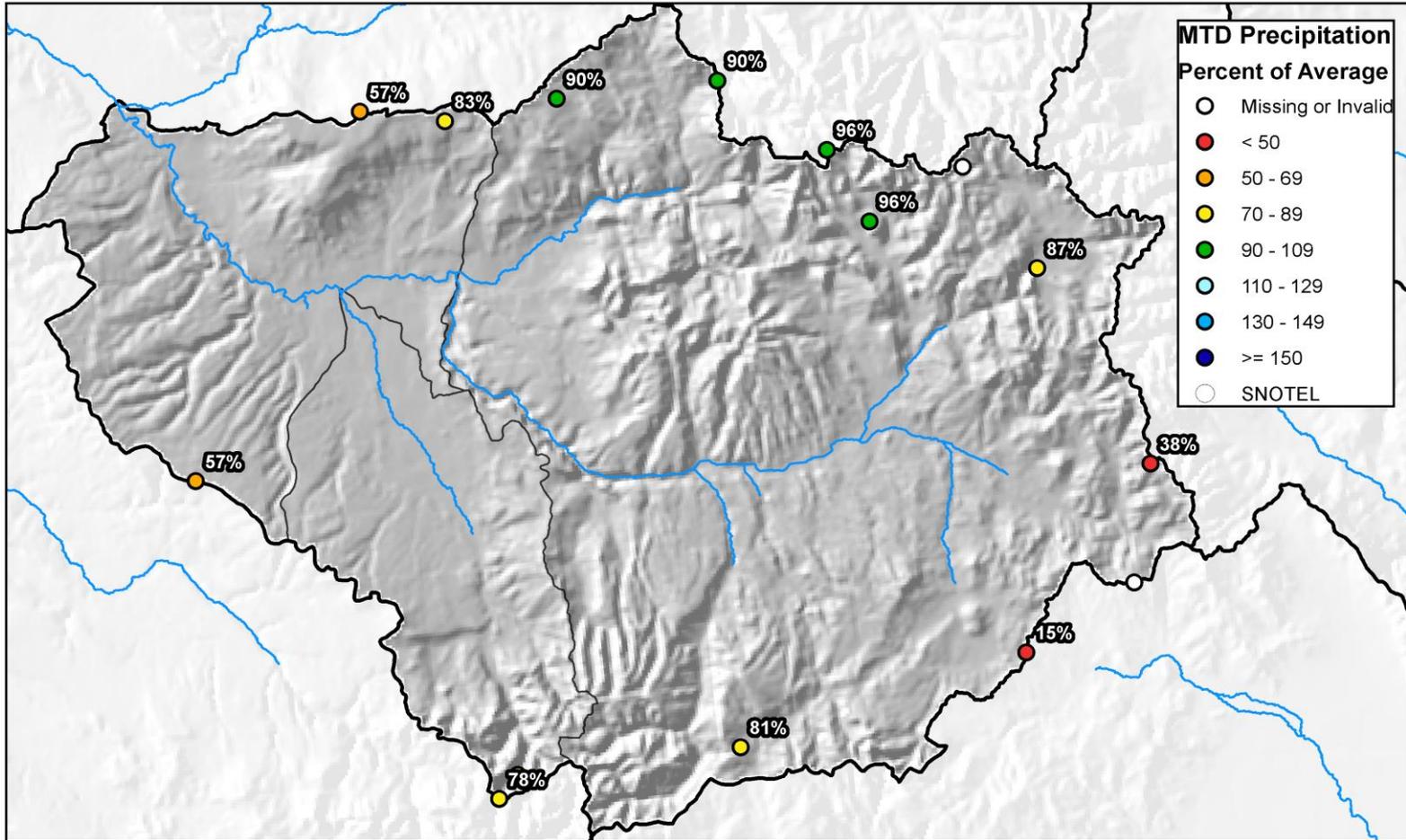


Gunnison River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Mar 17, 2020



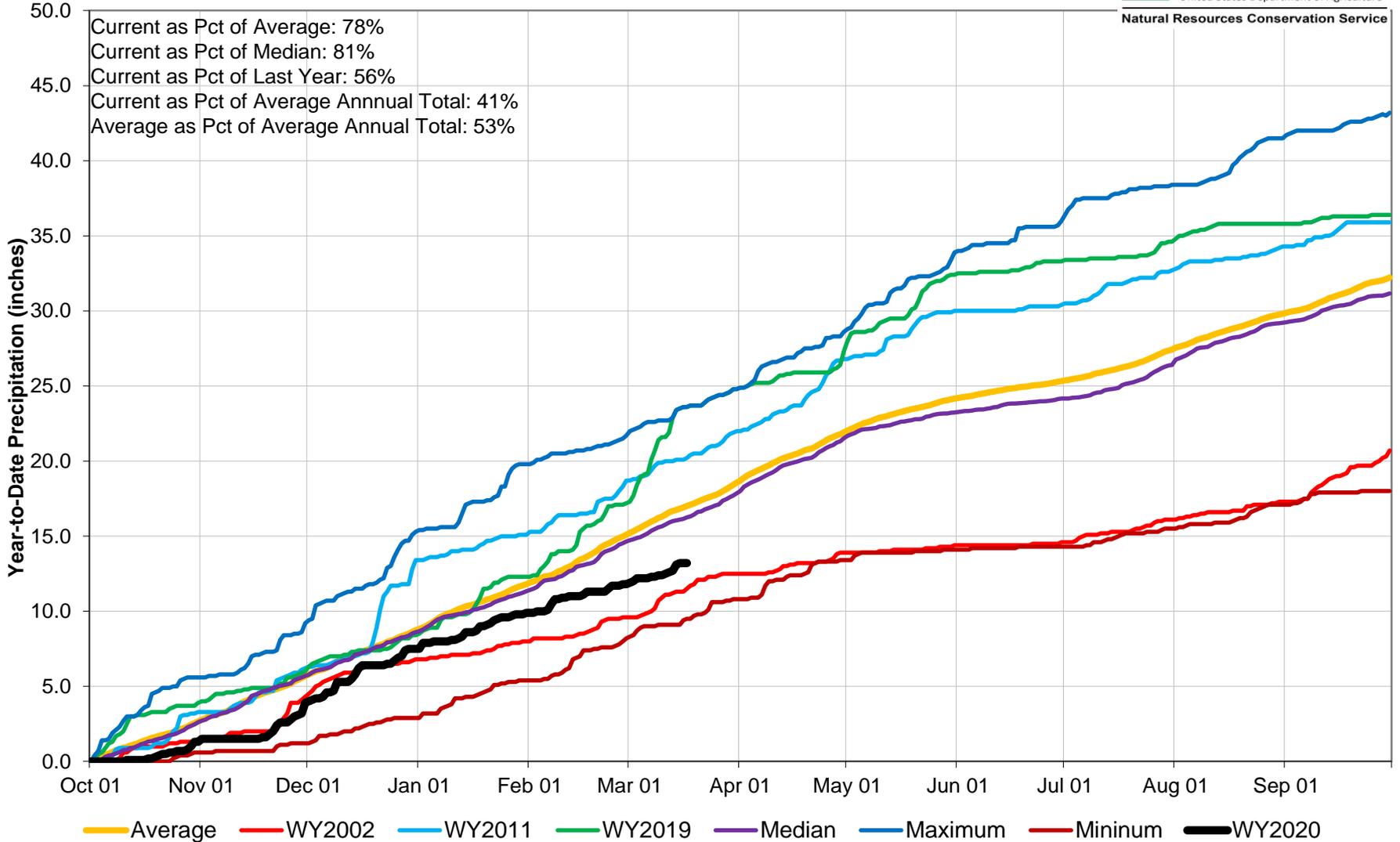
Gunnison River Basin Month to Date Precipitation Summary Current as of Mar 17, 2020



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

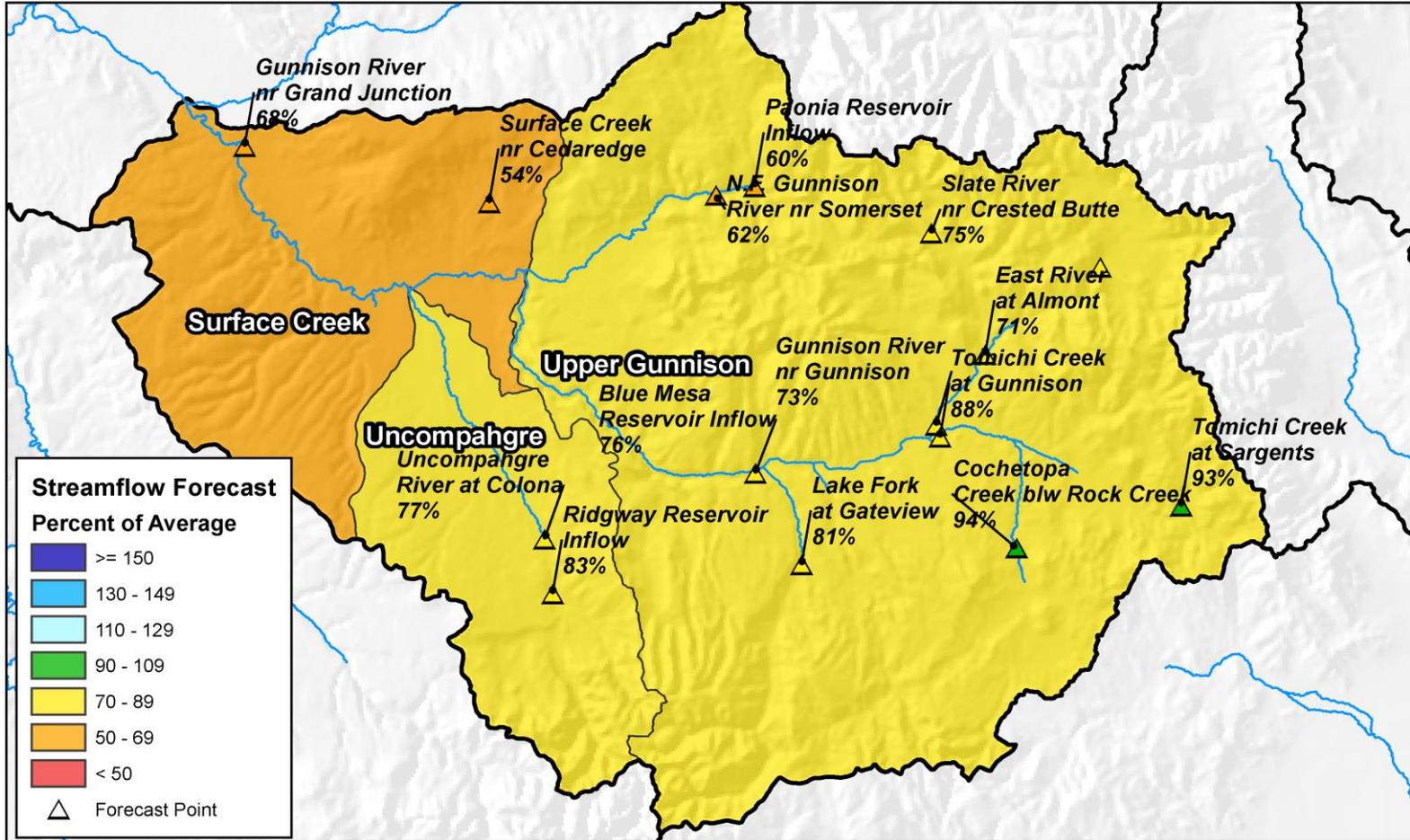
Based on Provisional SNOTEL data as of Mar 17, 2020

United States Department of Agriculture
Natural Resources Conservation Service



Gunnison River Basin Water Supply Forecast Summary

March 1, 2020



Streamflow Forecast
Percent of Average

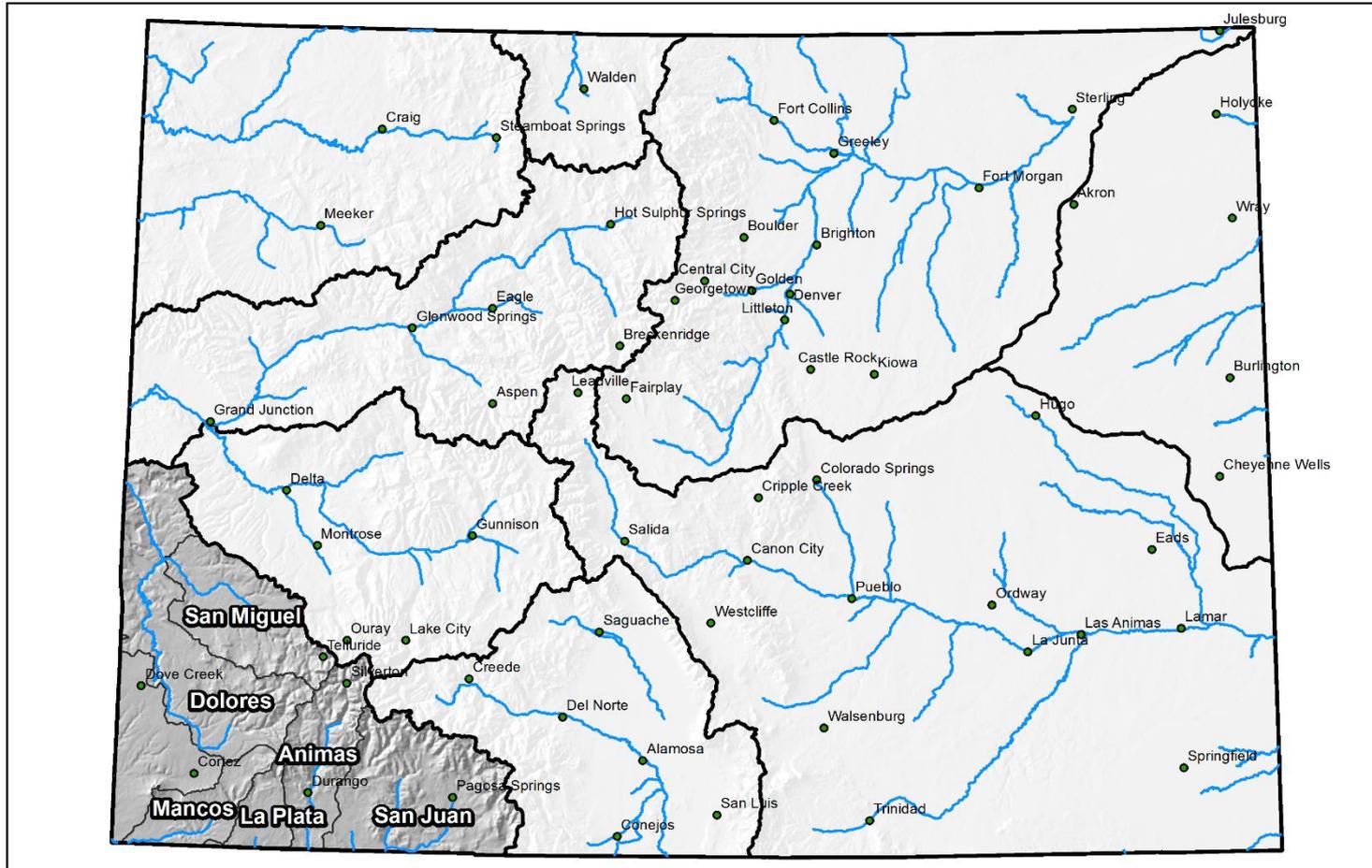
- >= 150
- 130 - 149
- 110 - 129
- 90 - 109
- 70 - 89
- 50 - 69
- < 50

Forecast Point



Major Basin Summary

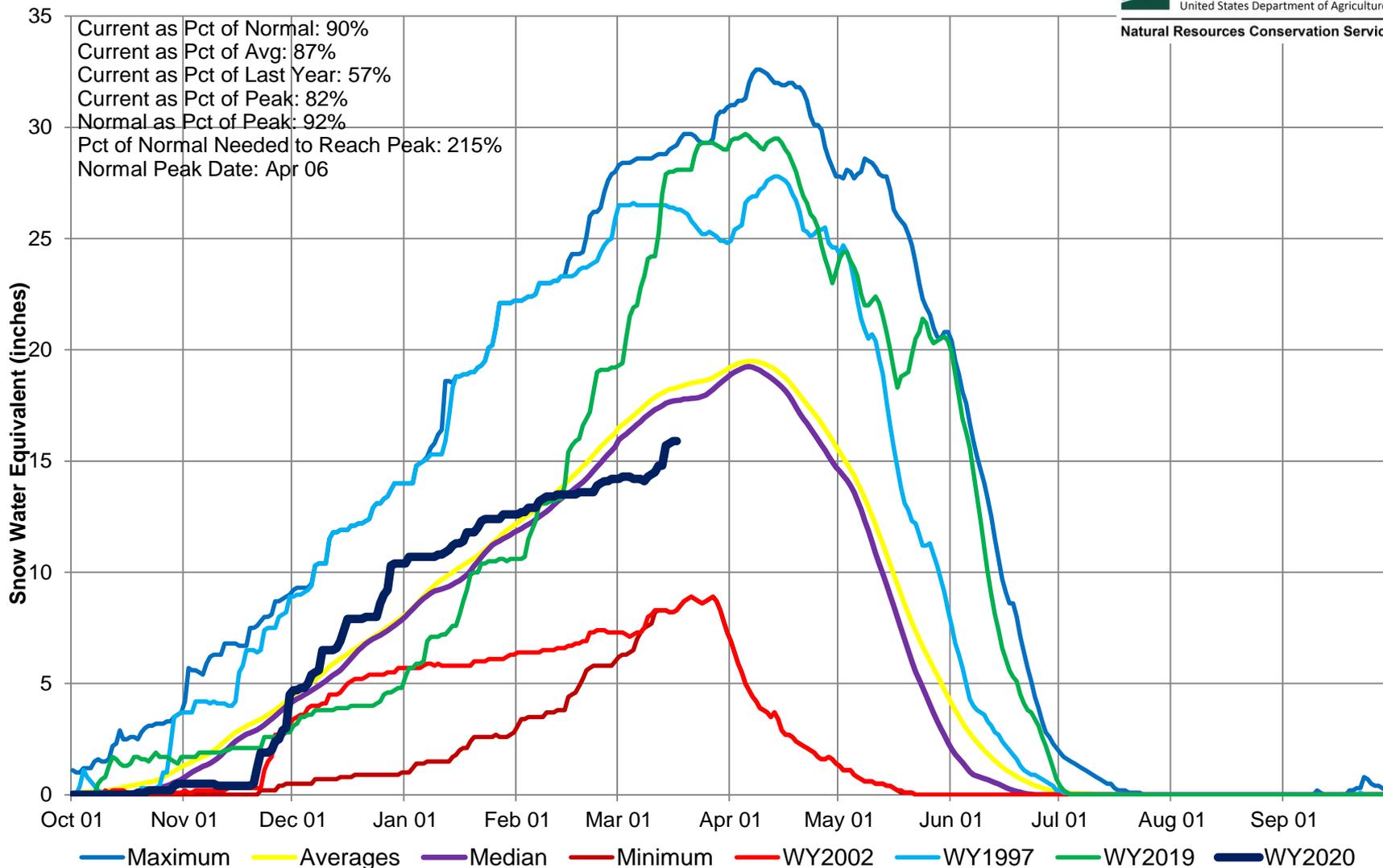
San Miguel, Dolores, Animas, and San Juan River Basins



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

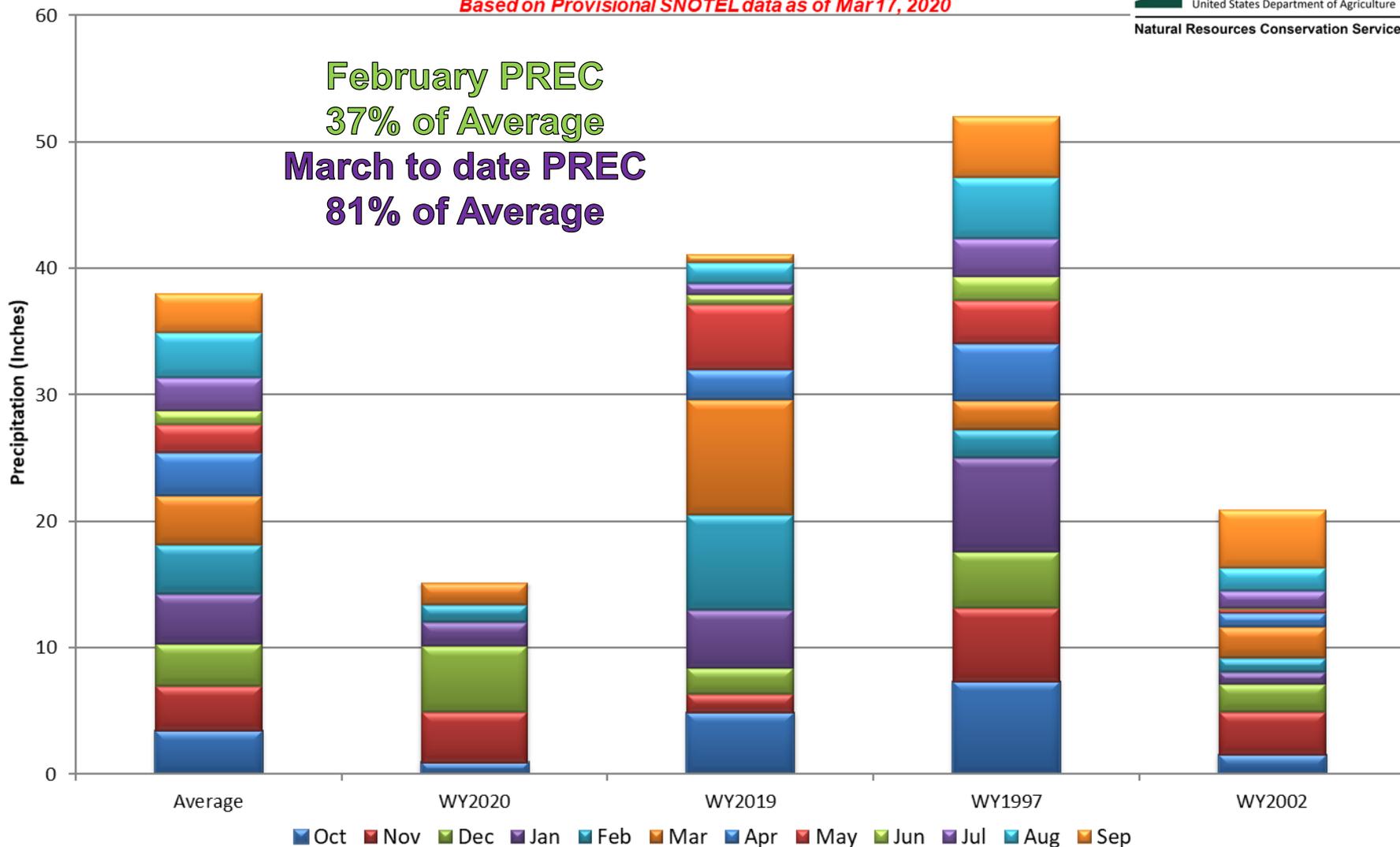
Based on Provisional SNOTEL data as of Mar 17, 2020

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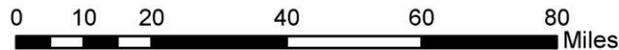
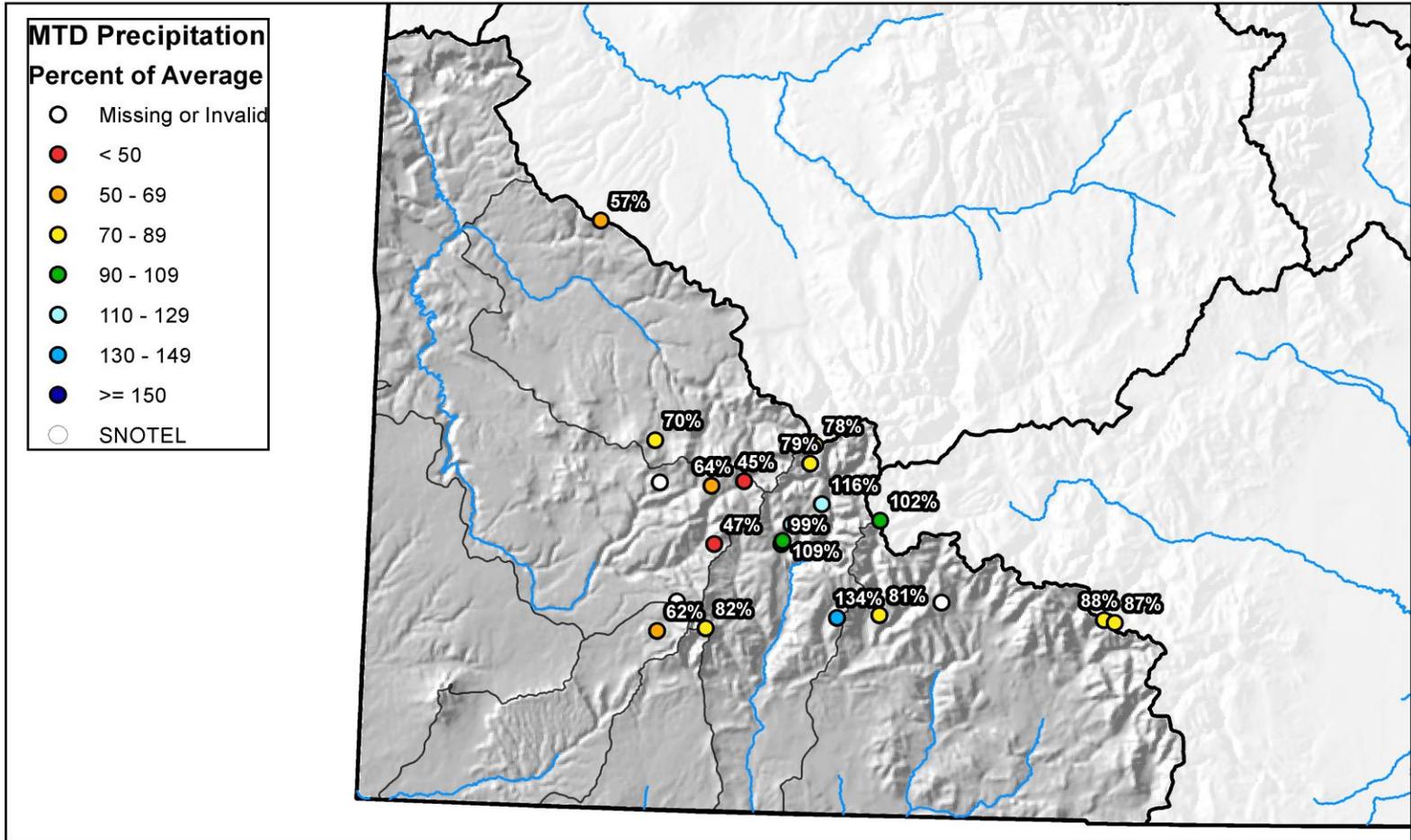


San Miguel, Dolores, Animas and San Juan River Basins High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Mar 17, 2020

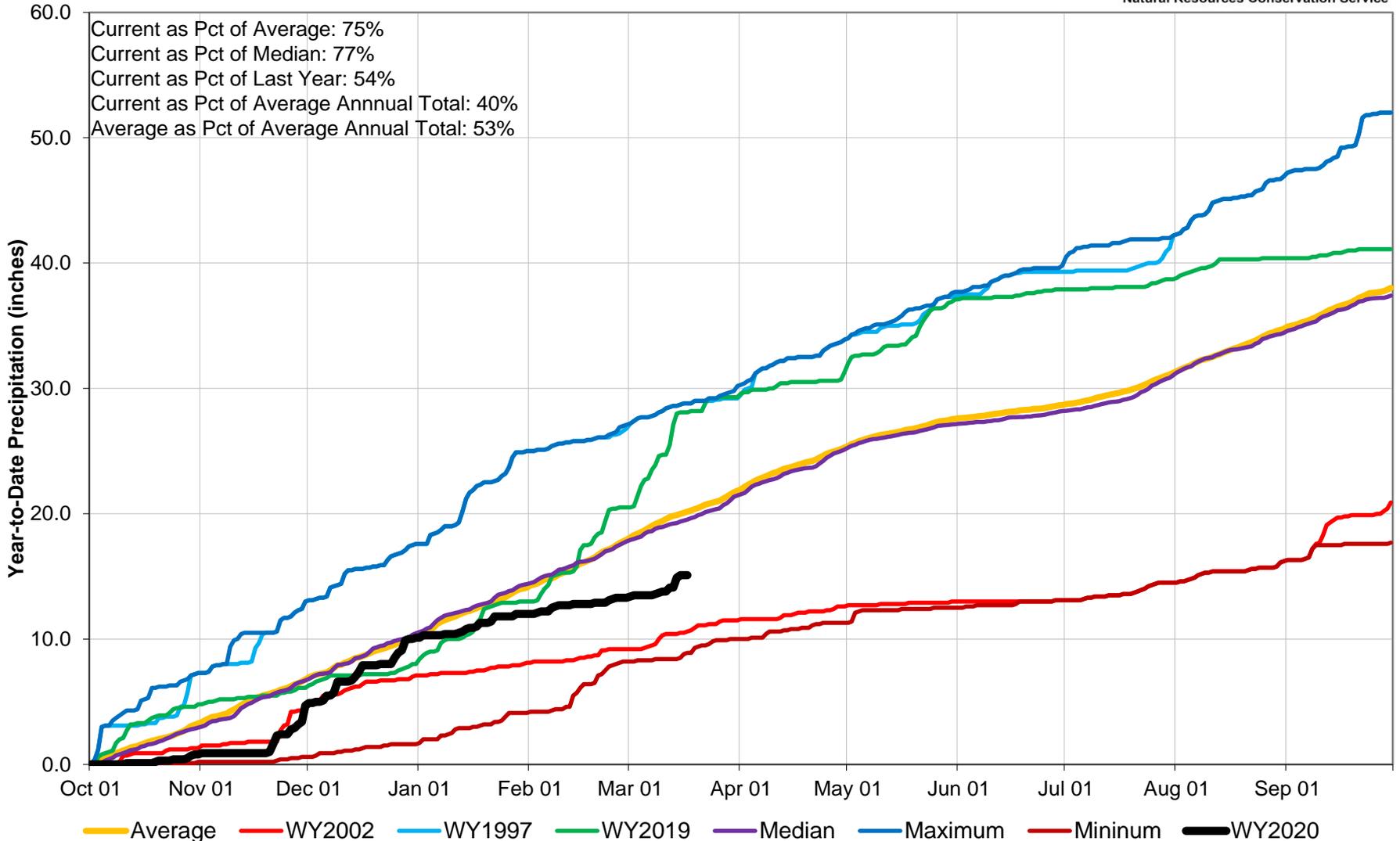


San Miguel, Dolores, Animas, and San Juan River Basins Month to Date Precipitation Summary Current as of Mar 17, 2020



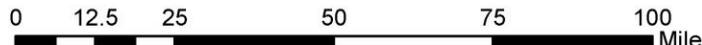
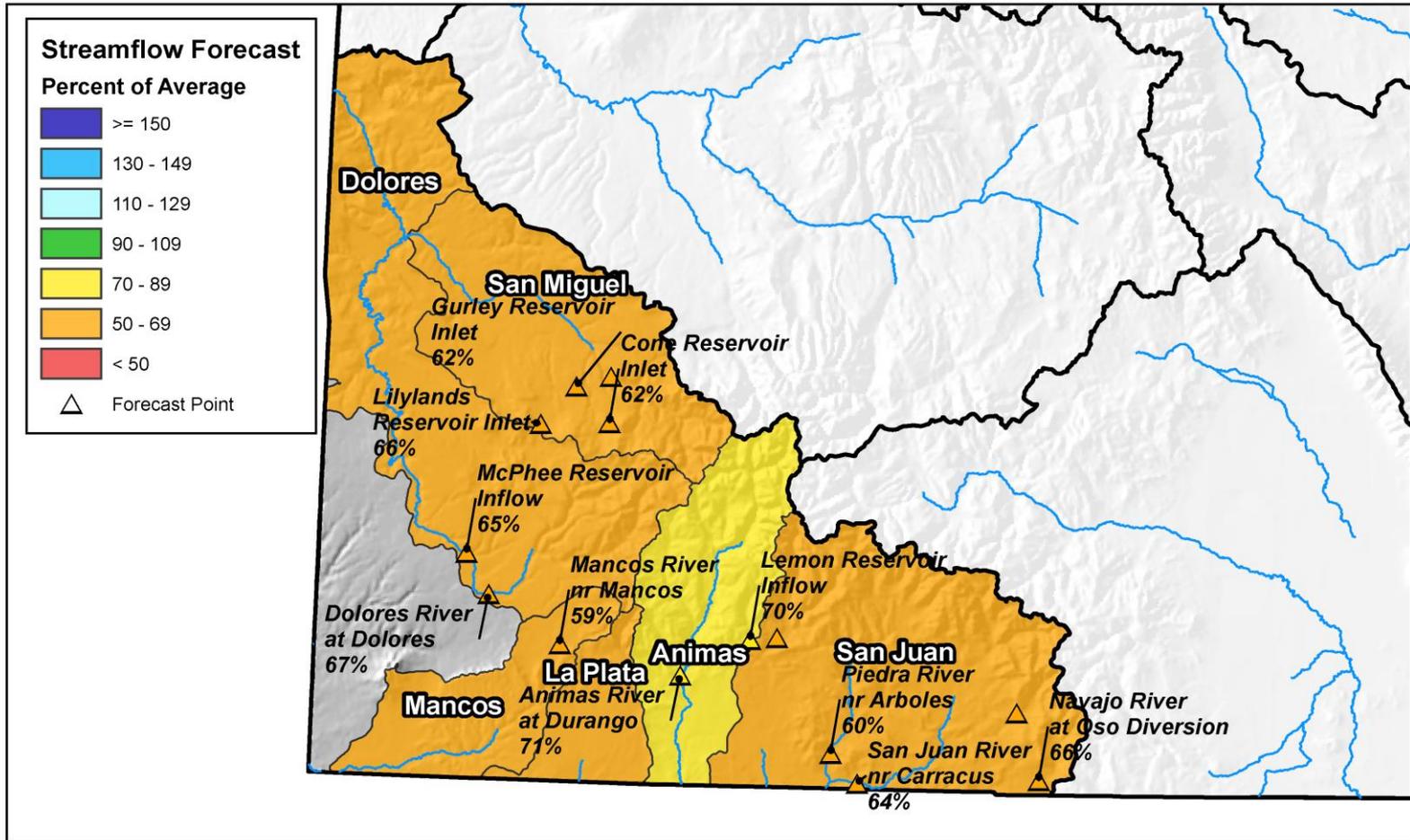
San Miguel, Dolores, Animas and San Juan River Basins High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Mar 17, 2020



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

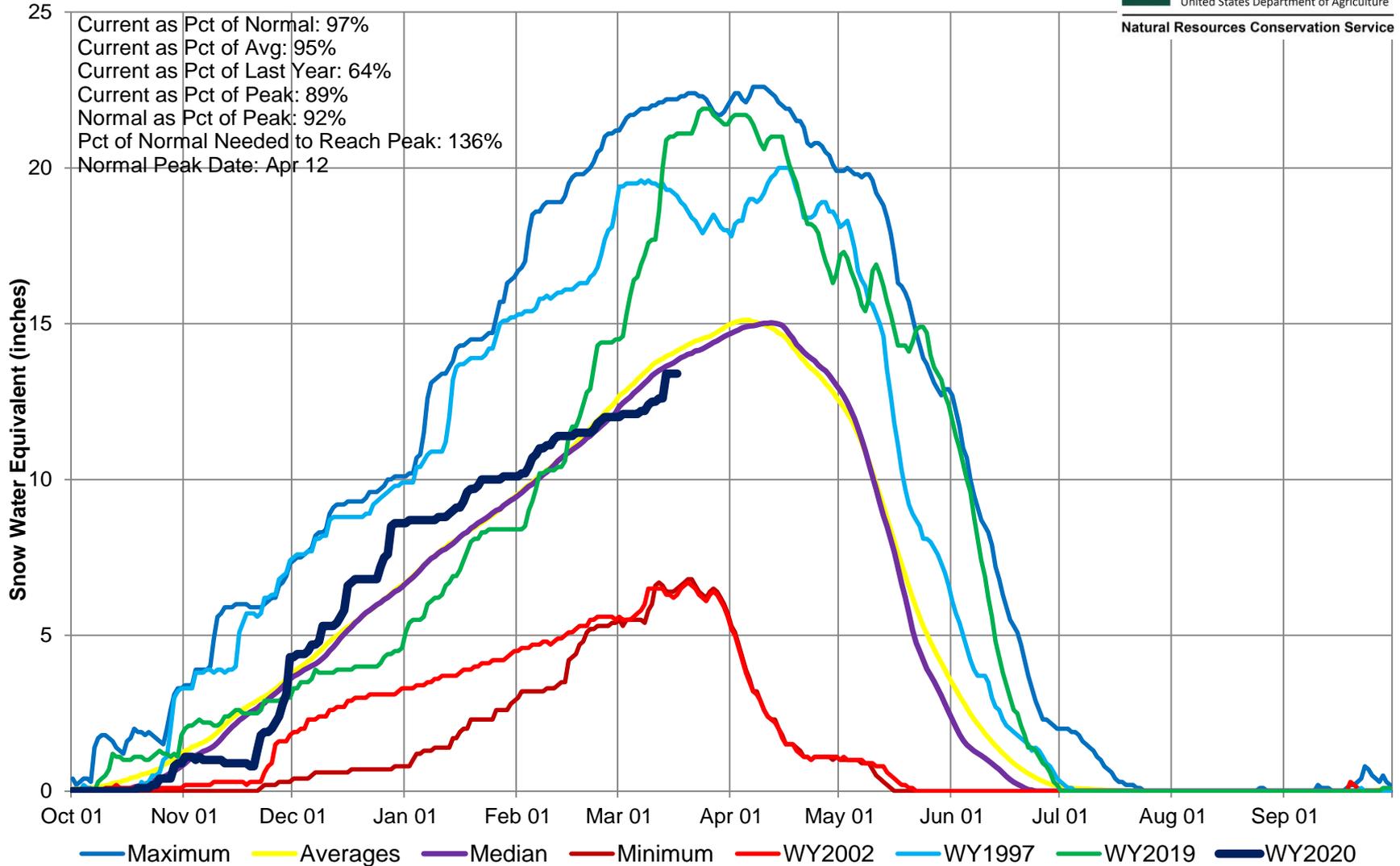
March 1, 2020



Upper Rio Grande Basin High/Low Snowpack Summary

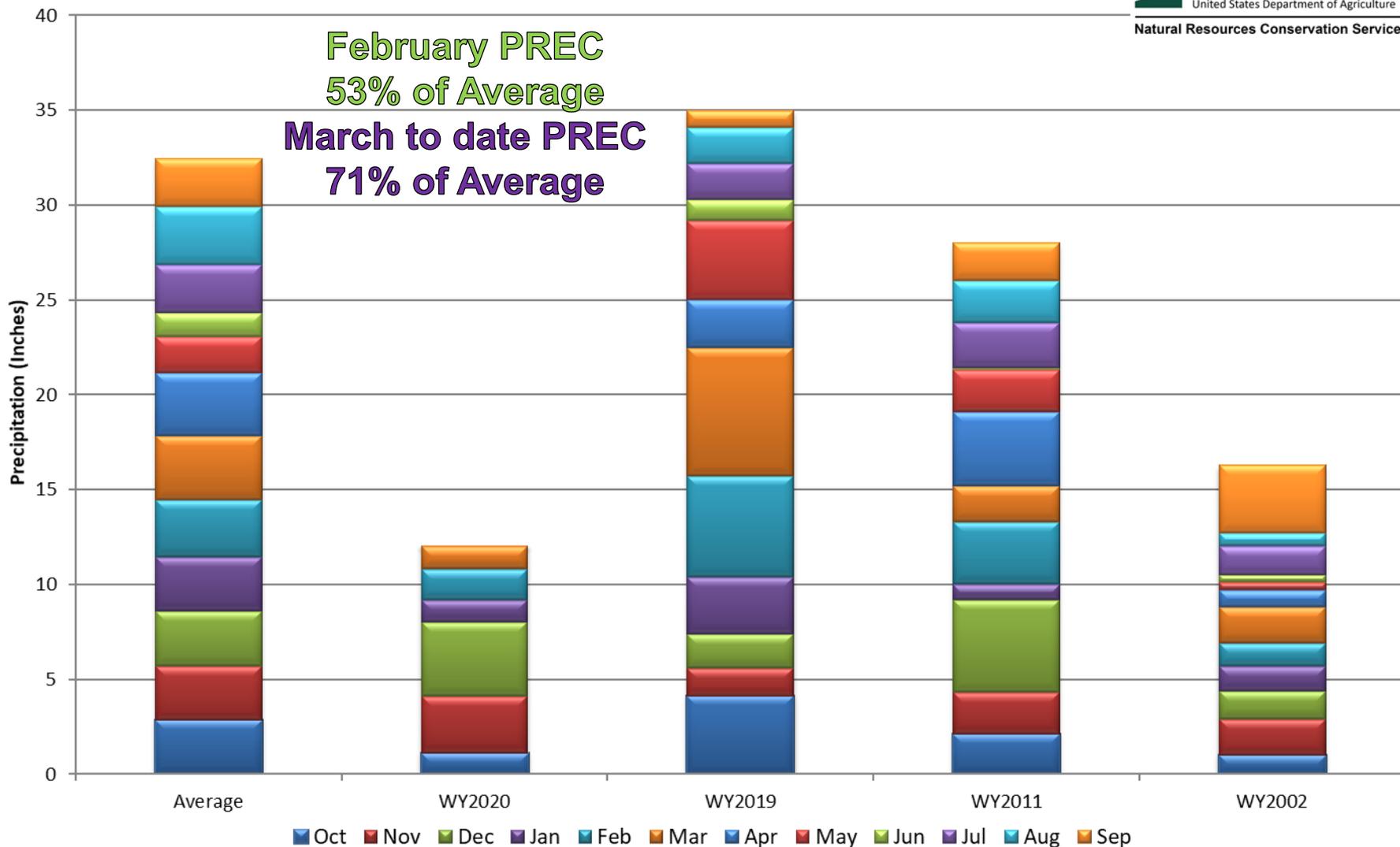
Based on Provisional SNOTEL data as of Mar 17, 2020

USDA
United States Department of Agriculture
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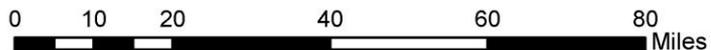
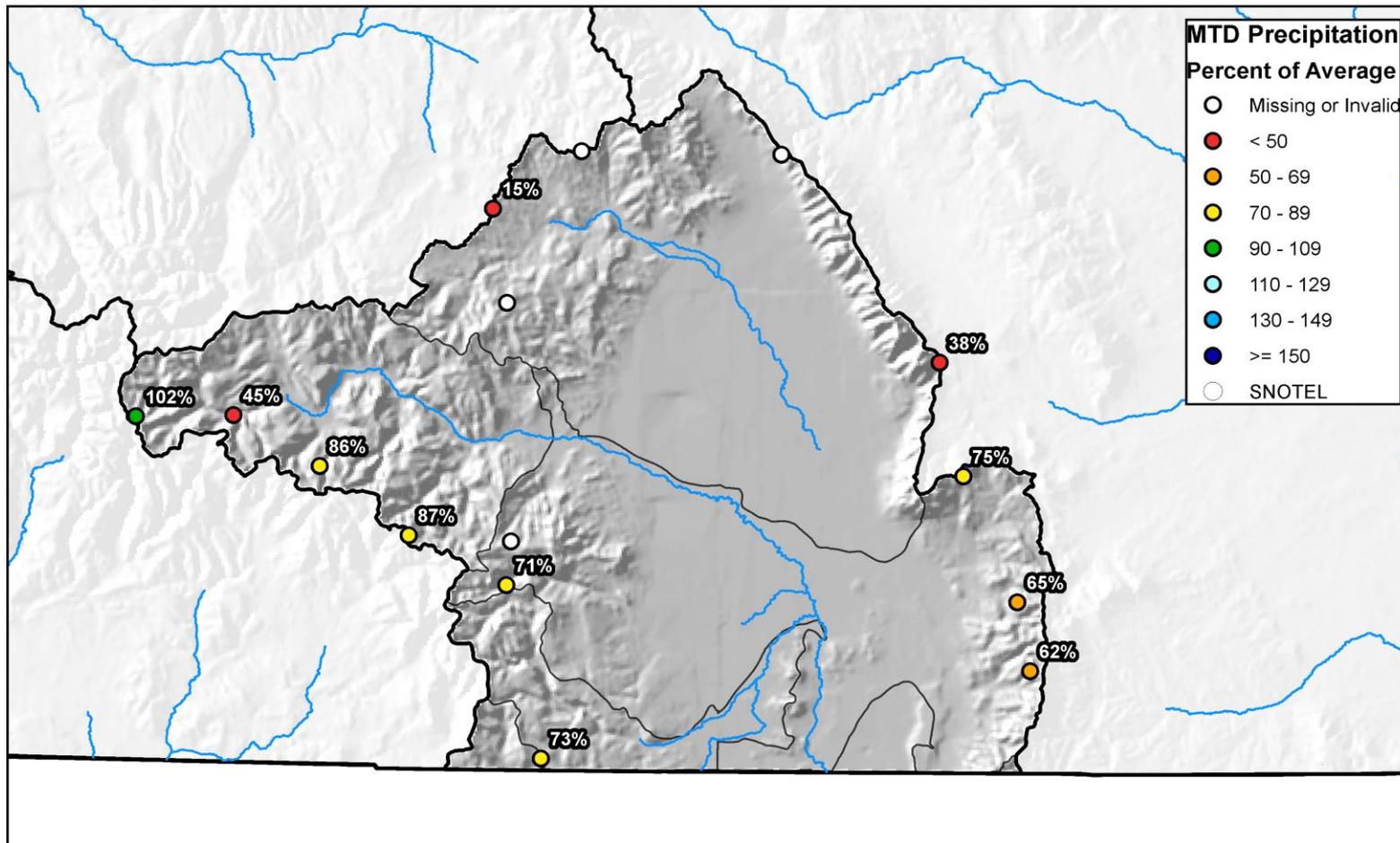
Upper Rio Grande River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Mar 17, 2020



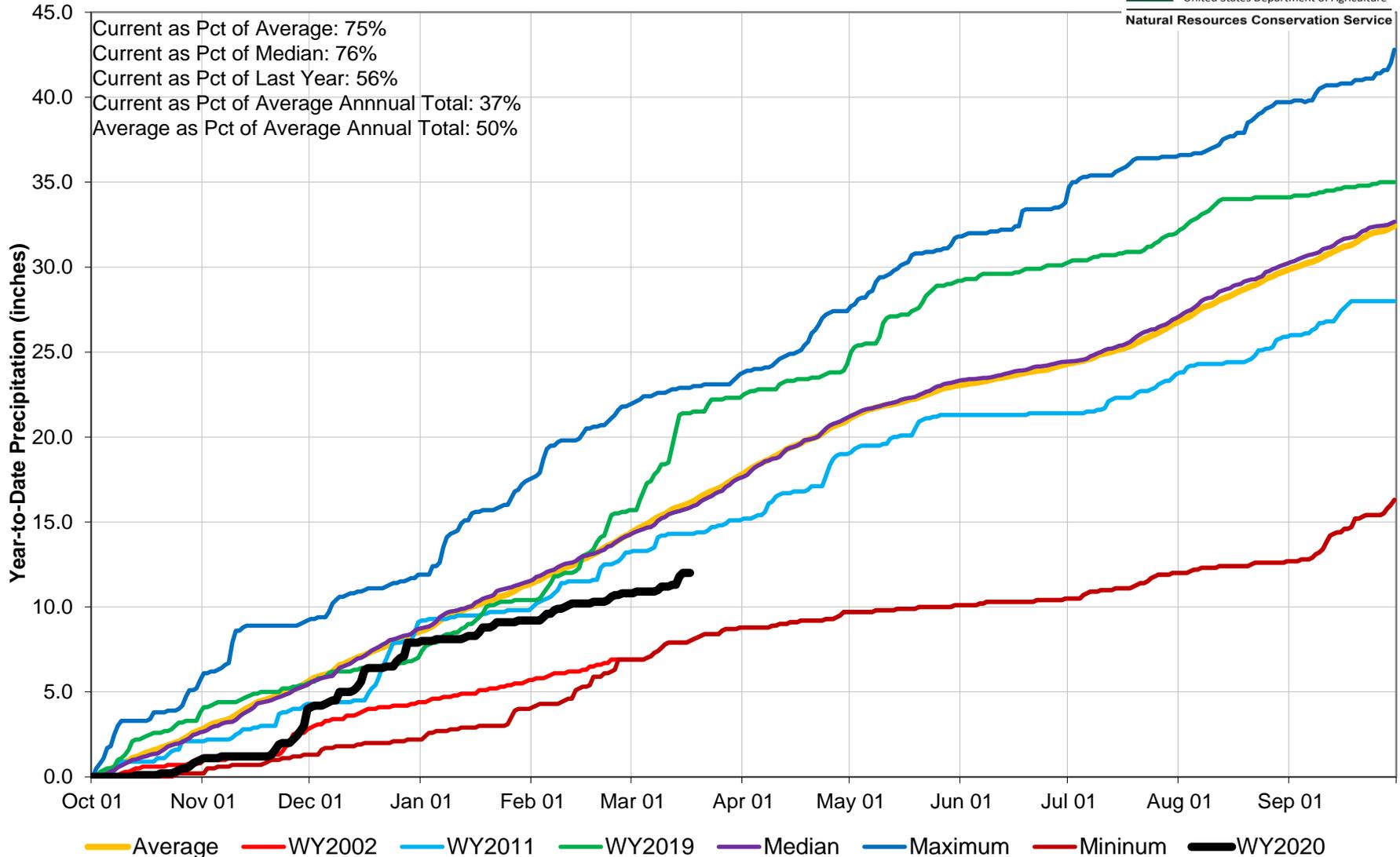
Upper Rio Grande River Basin Month to Date Precipitation Summary

Current as of Mar 17, 2020



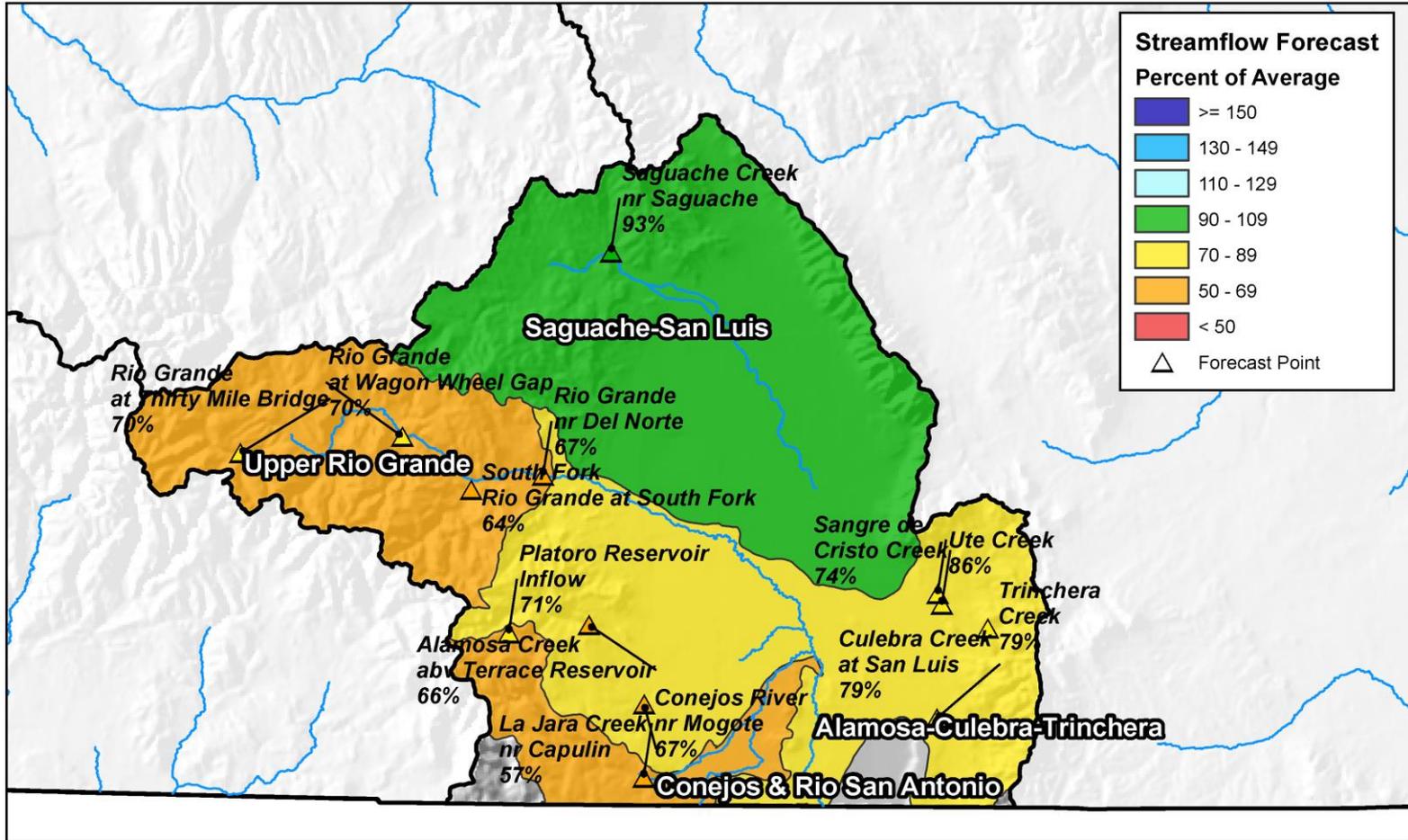
Upper Rio Grande River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Mar 17, 2020



Upper Rio Grande River Basin Streamflow Forecast Summary

March 1, 2020



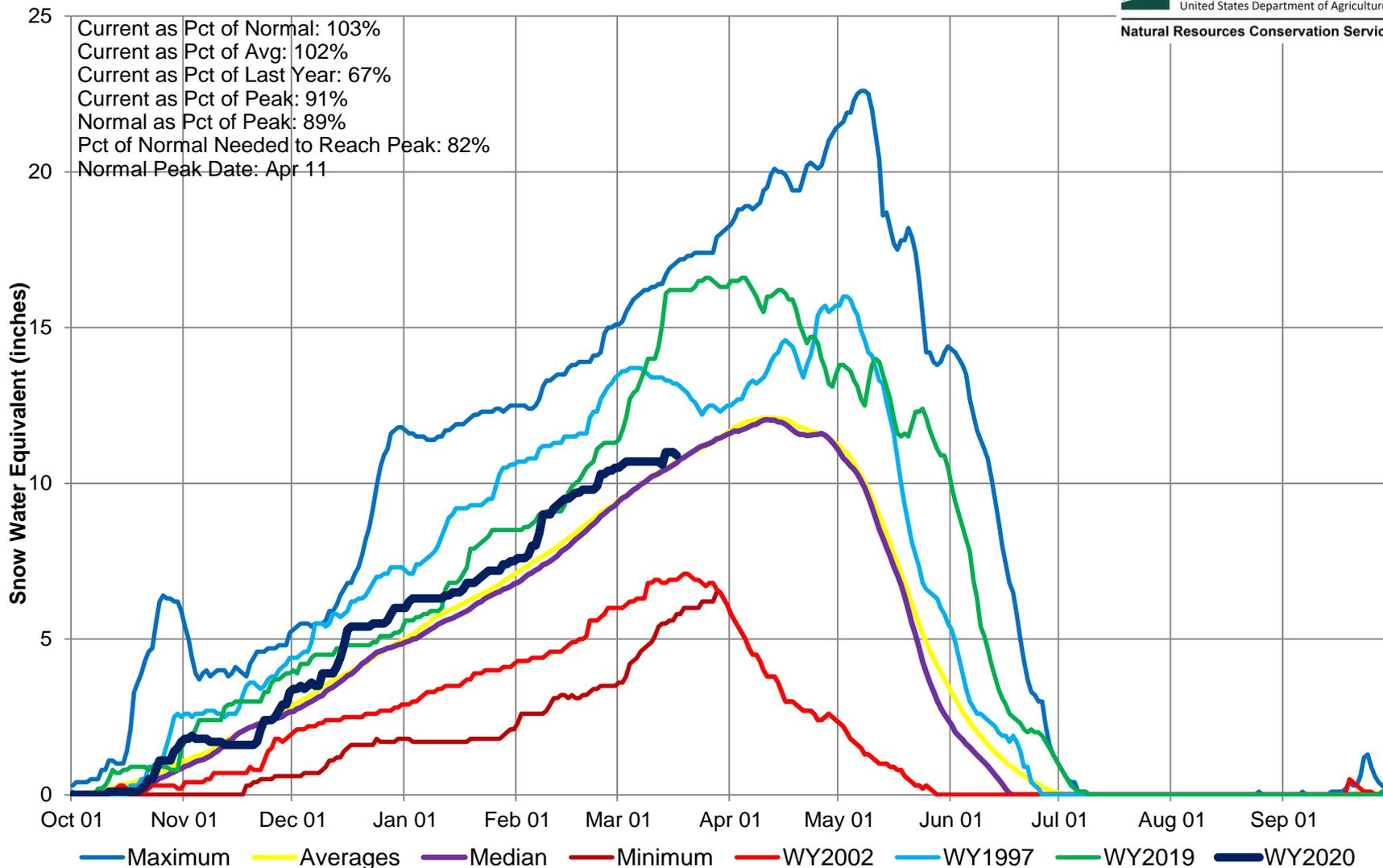
Arkansas River Basin High/Low Snowpack Summary

Based on Provisional SNOTEL data as of Mar 17, 2020



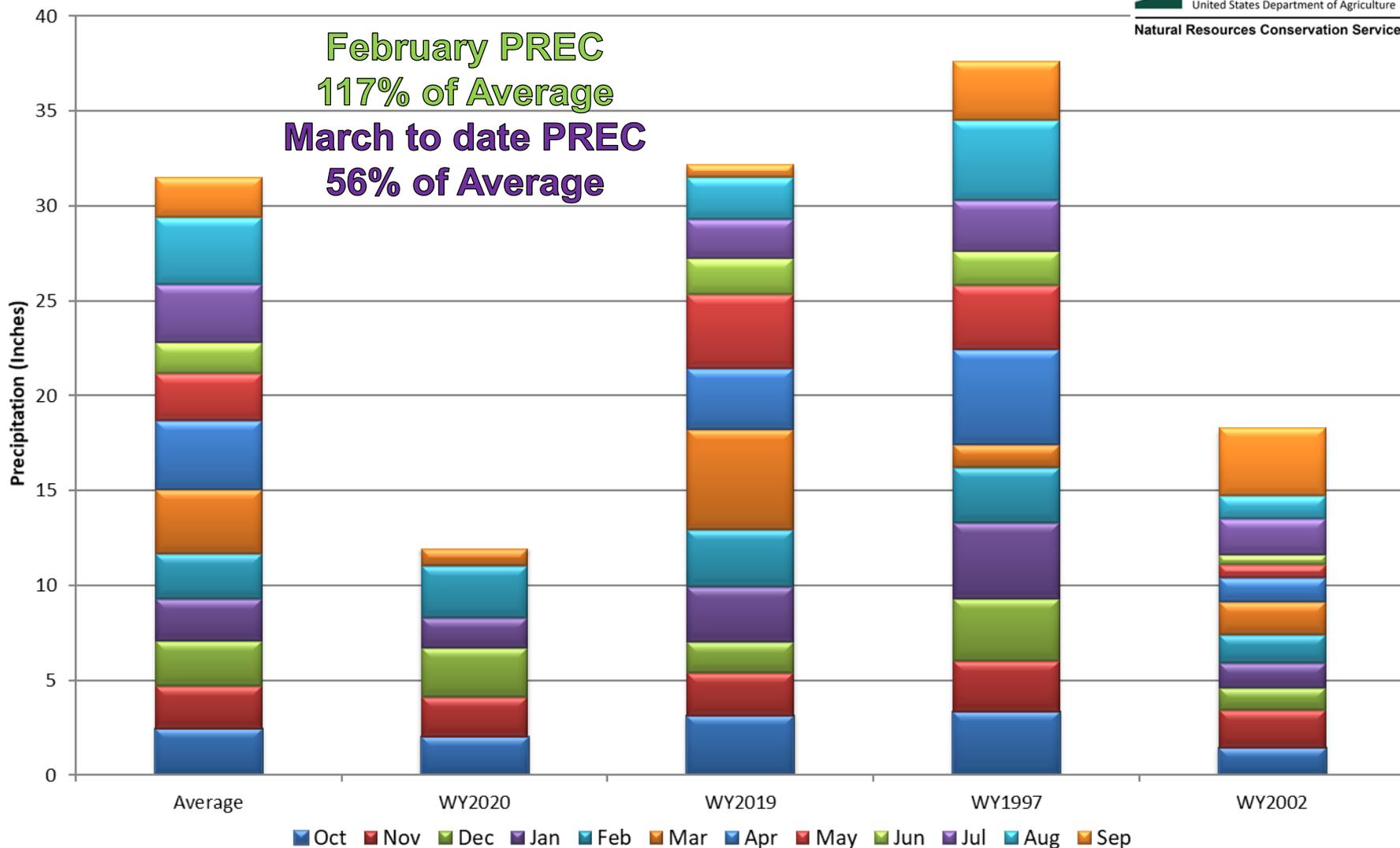
United States Department of Agriculture

Natural Resources Conservation Service



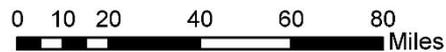
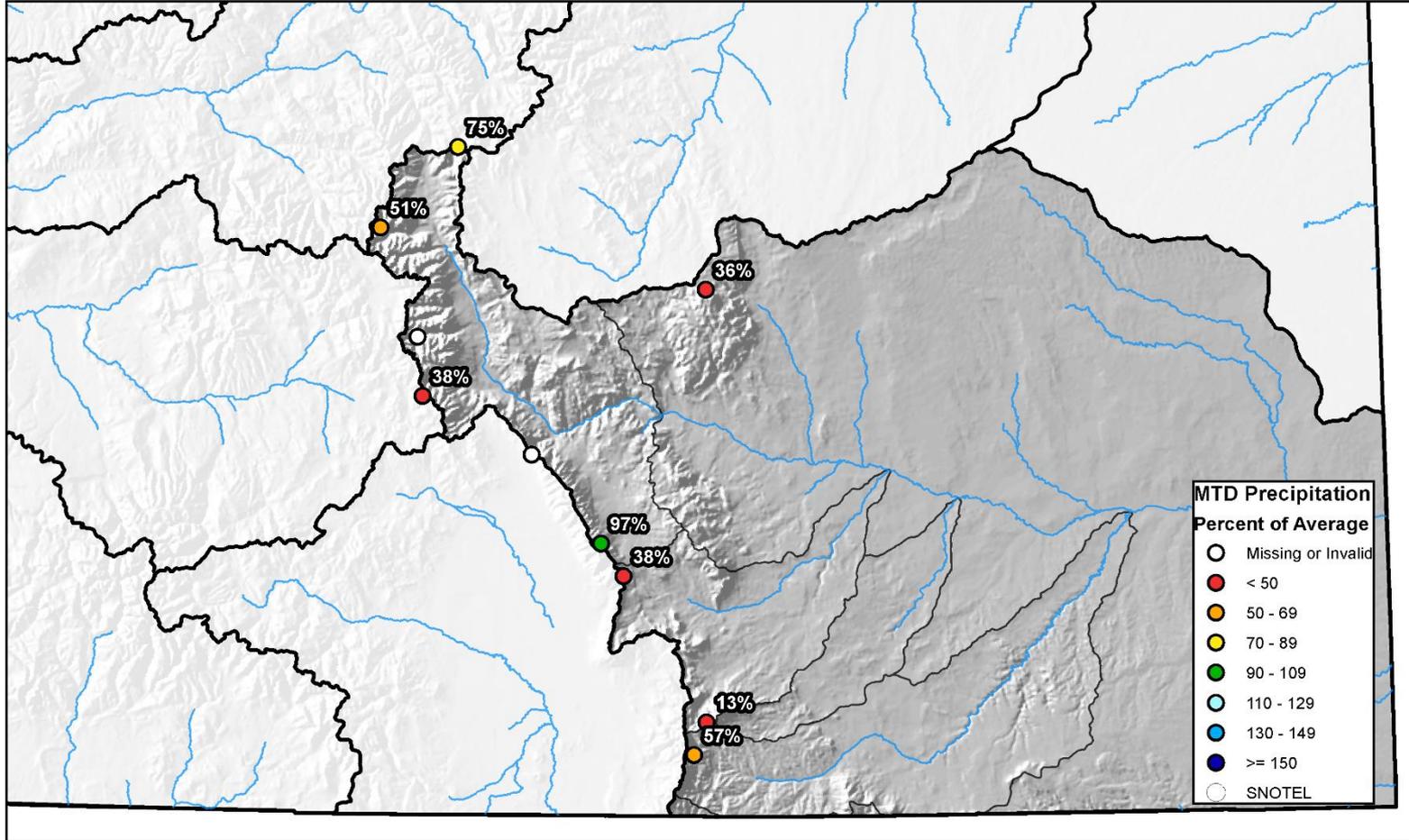
Arkansas River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Mar 17, 2020



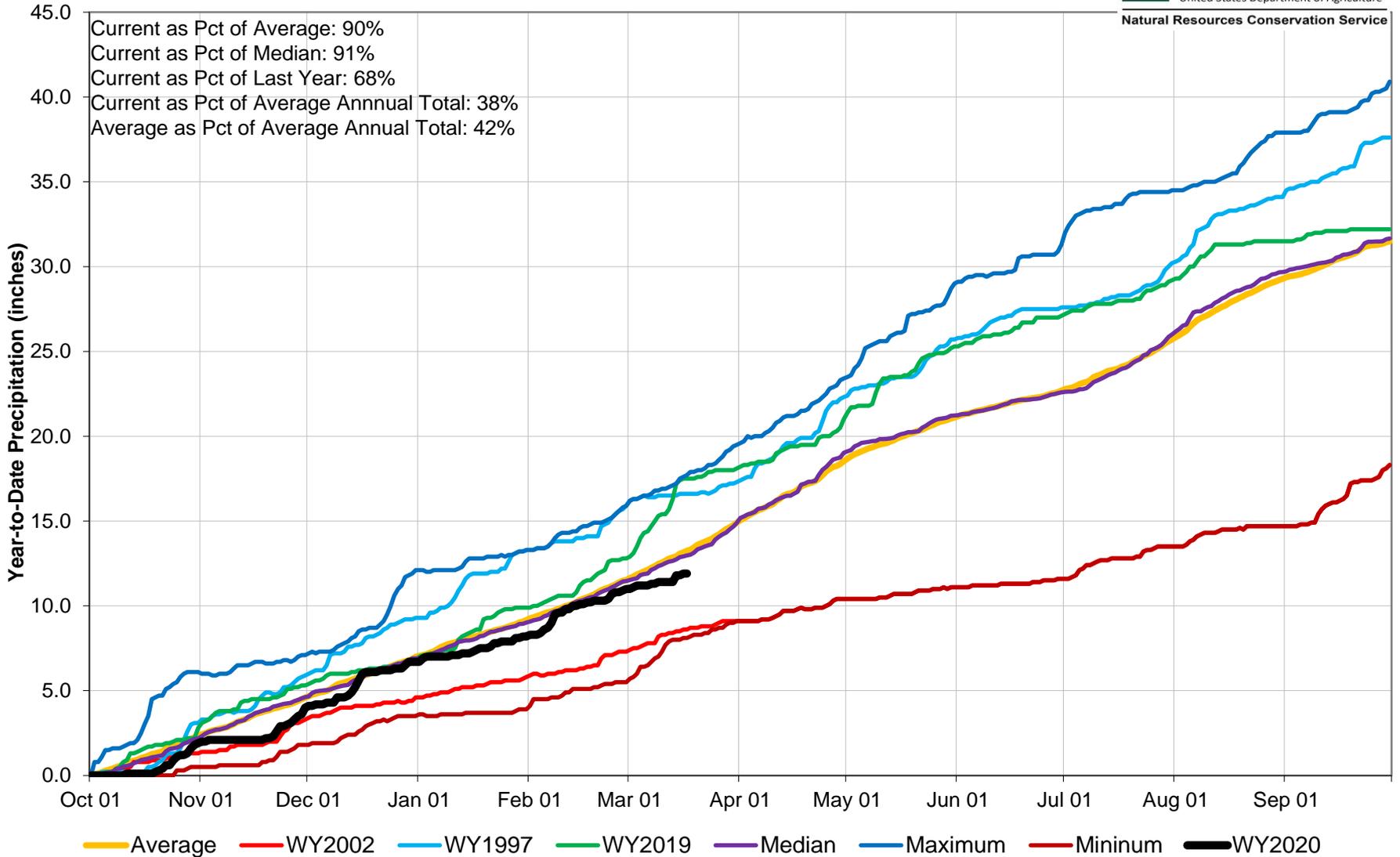
Arkansas River Basin Month to Date Precipitation Summary

Current as of Mar 17, 2020



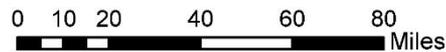
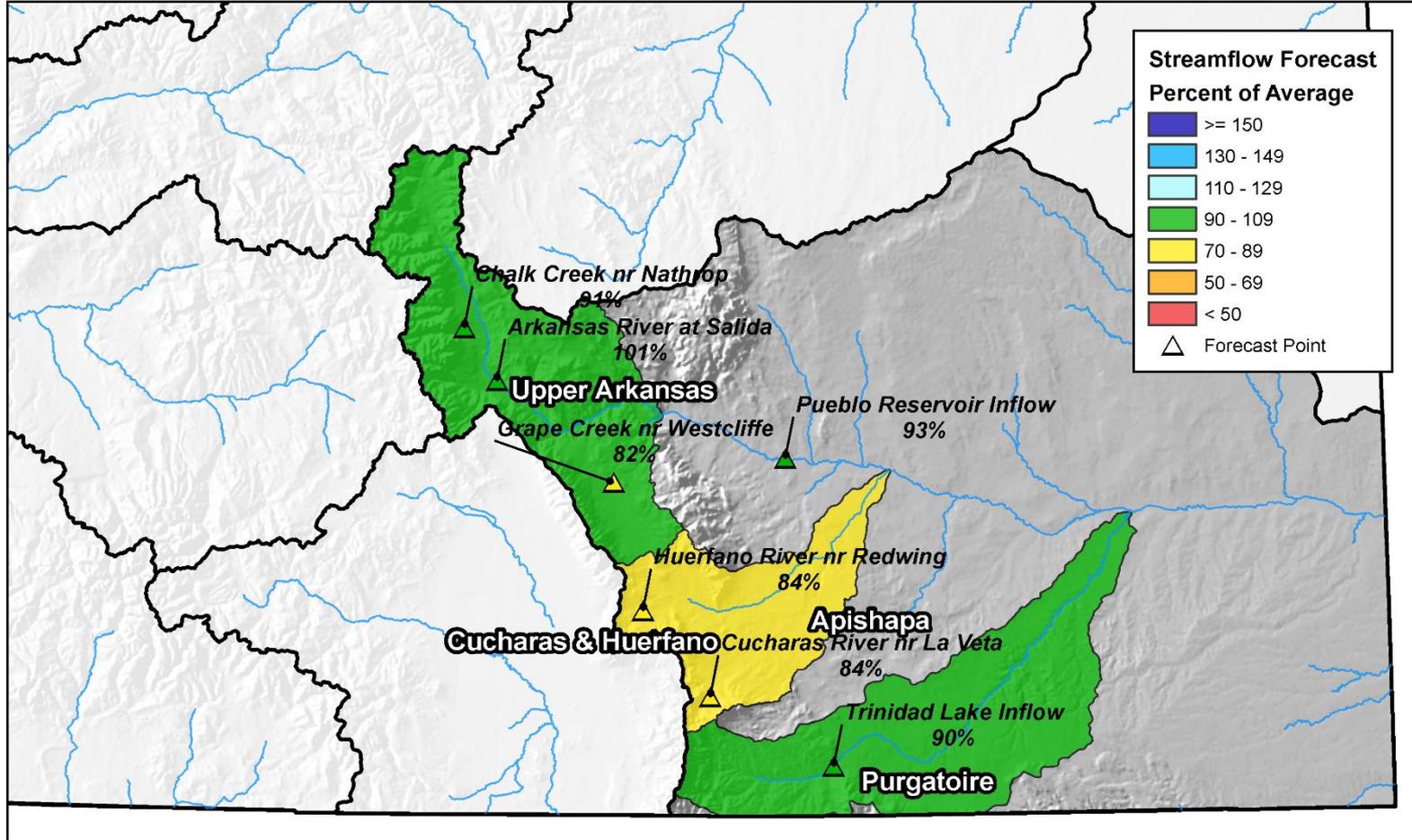
Arkansas River Basin High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Mar 17, 2020



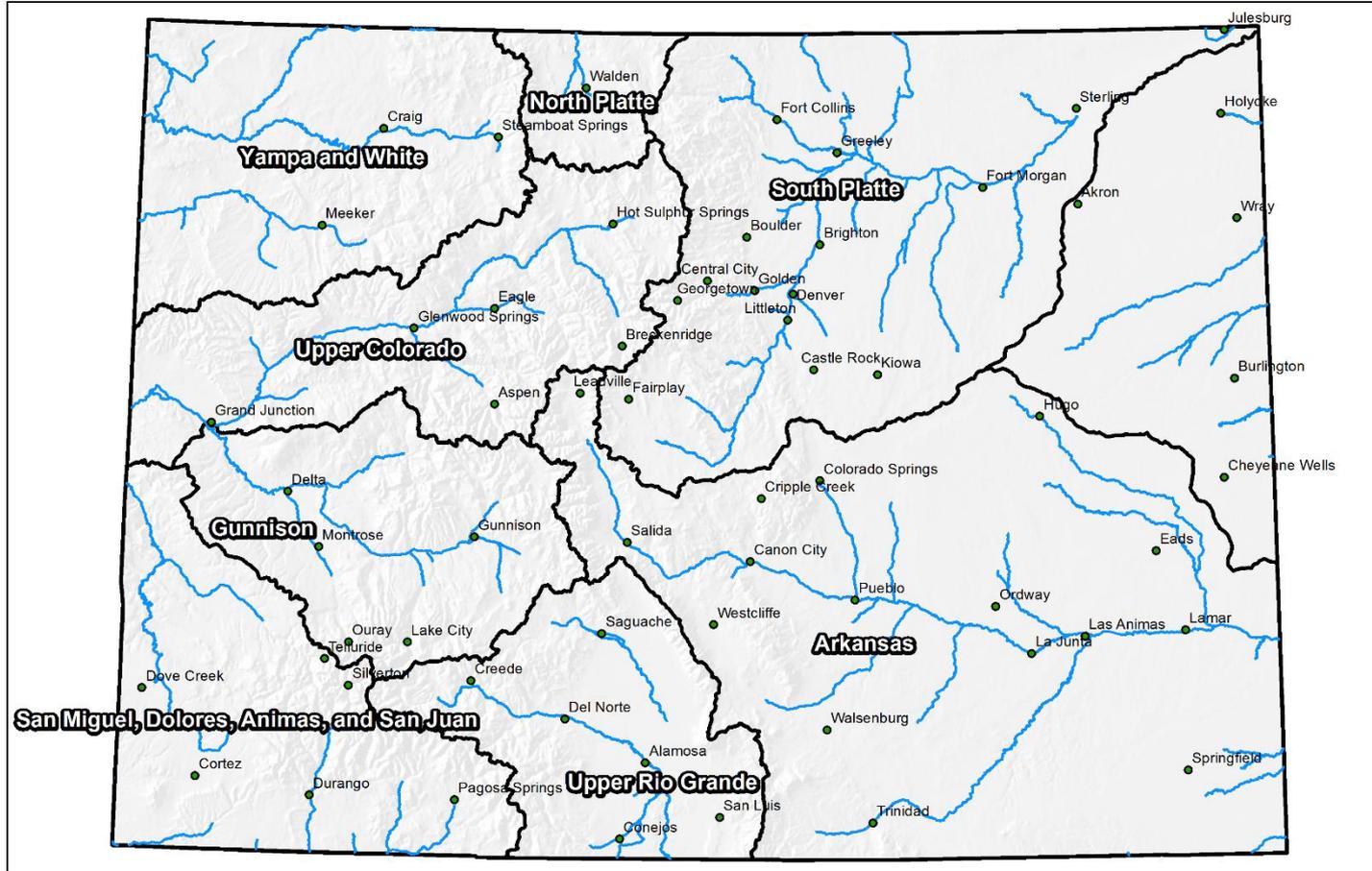
Arkansas River Basin Streamflow Forecast Summary

March 1, 2020



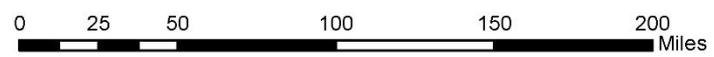
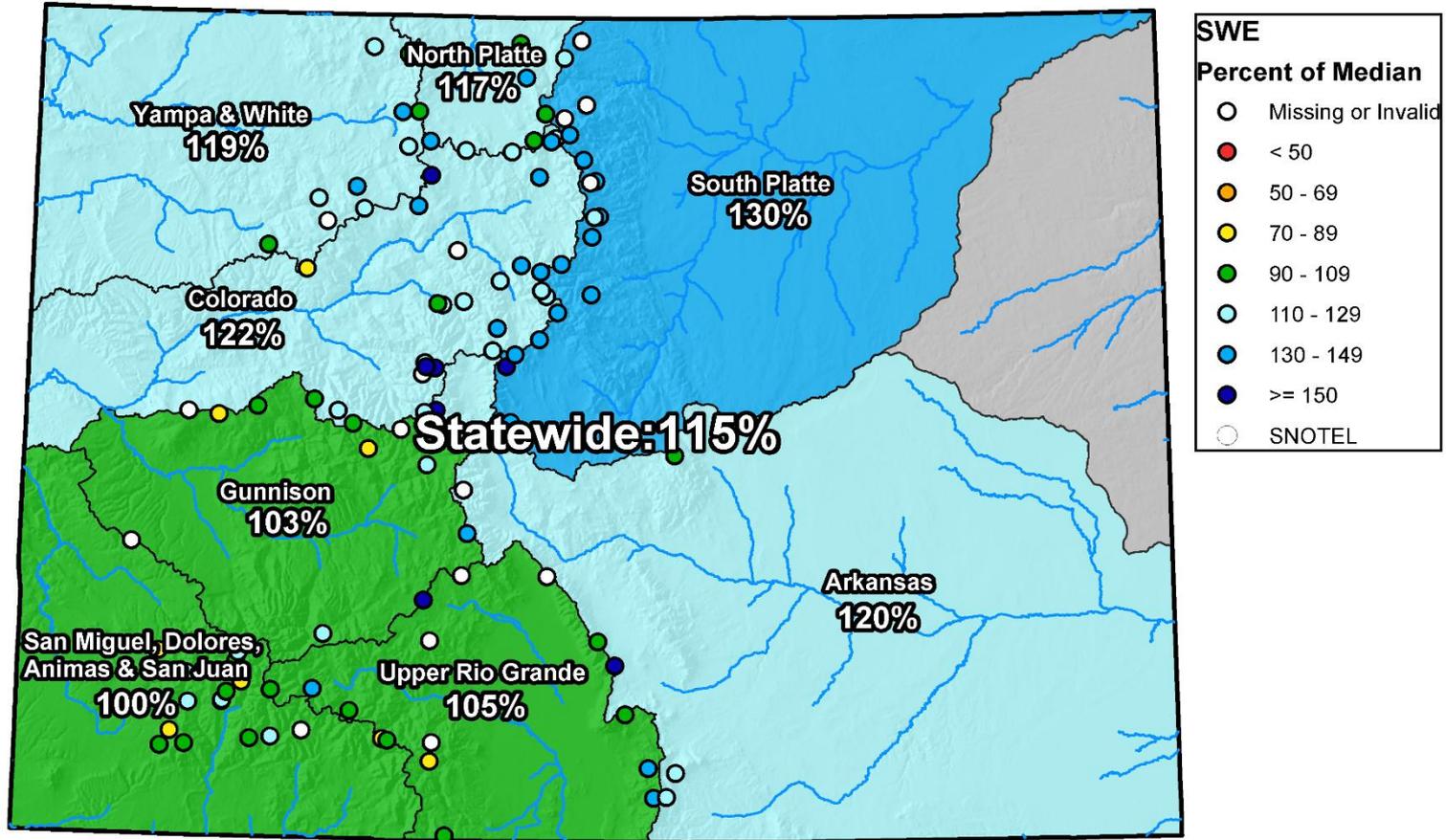
Colorado Statewide Summary

Colorado Major Basins



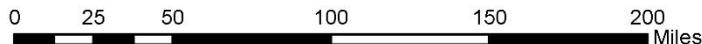
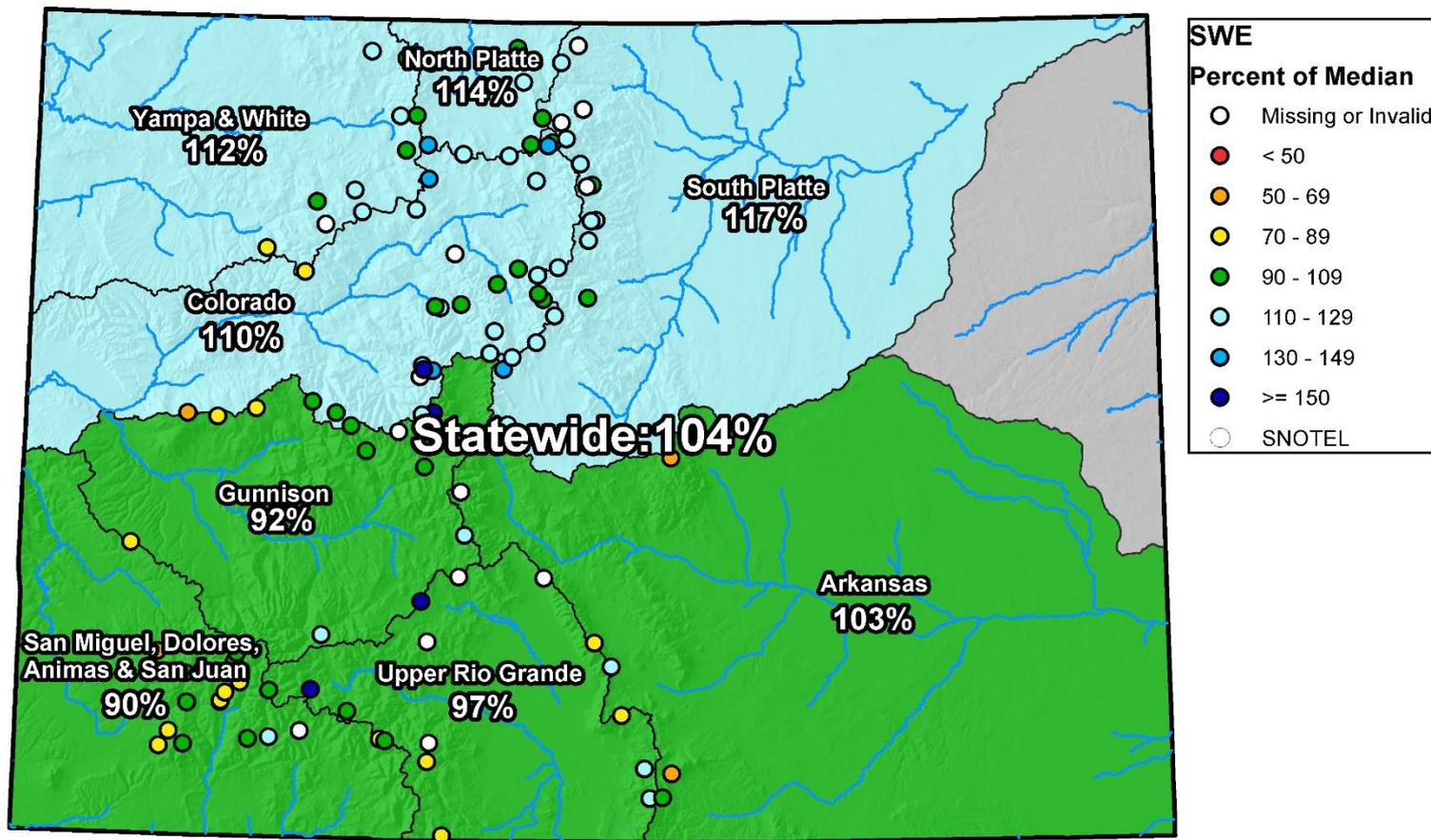
Colorado SNOTEL Snow Water Equivalent (SWE) Update Map with Site Data

Current as of Feb 14, 2020



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

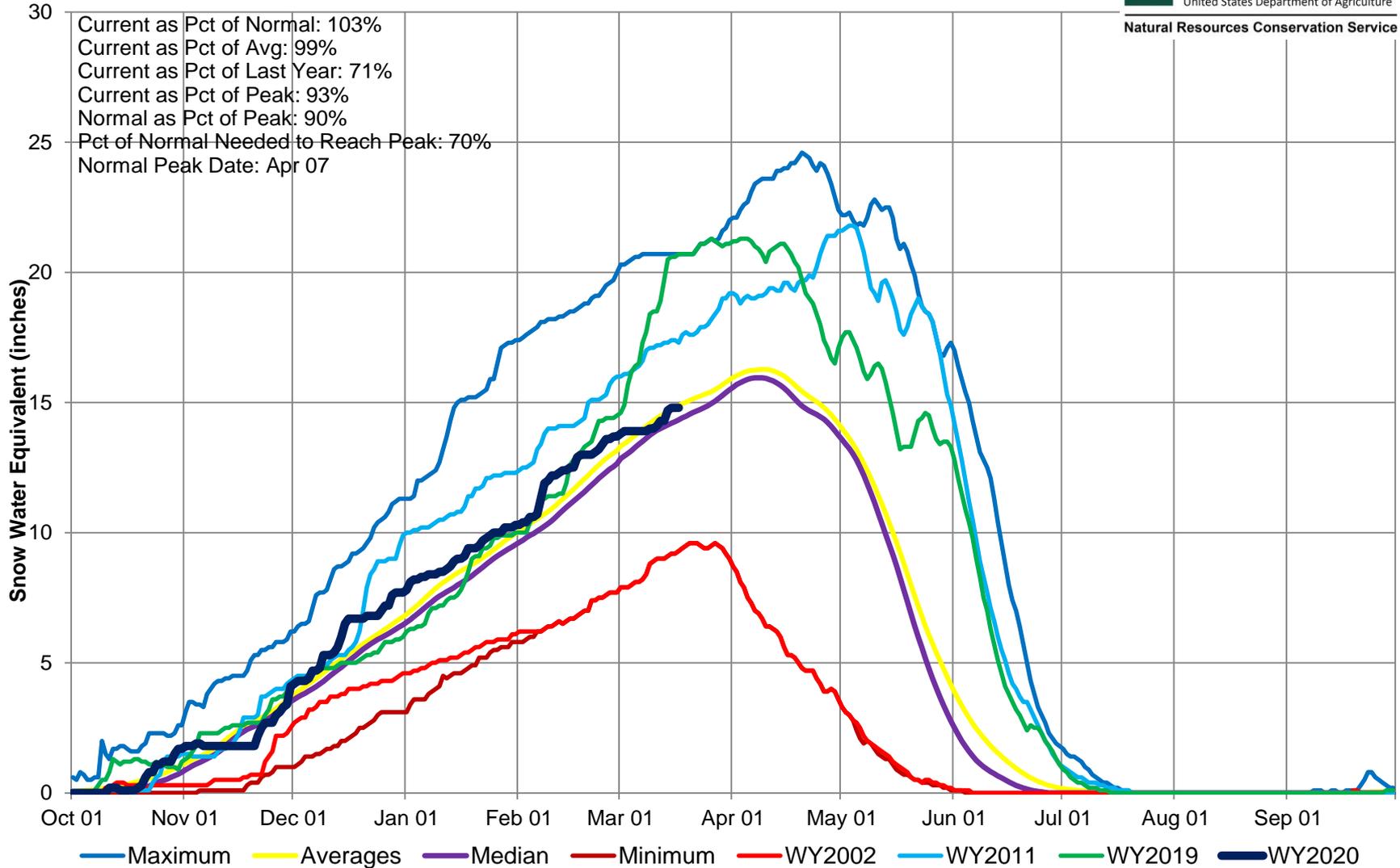
Current as of Mar 17, 2020





Colorado Statewide High/Low Snowpack Summary

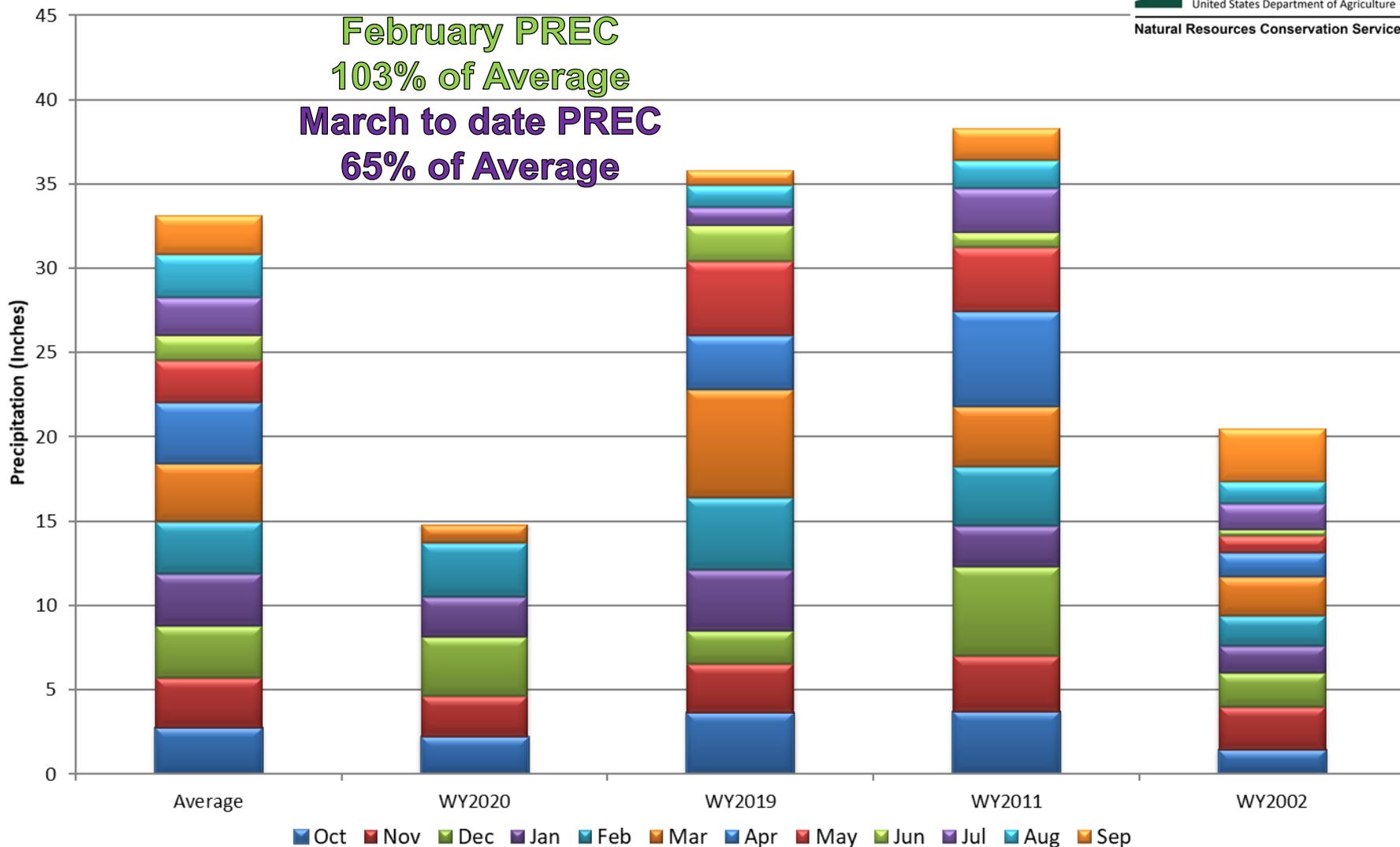
Based on Provisional SNOTEL data as of Mar 17, 2020



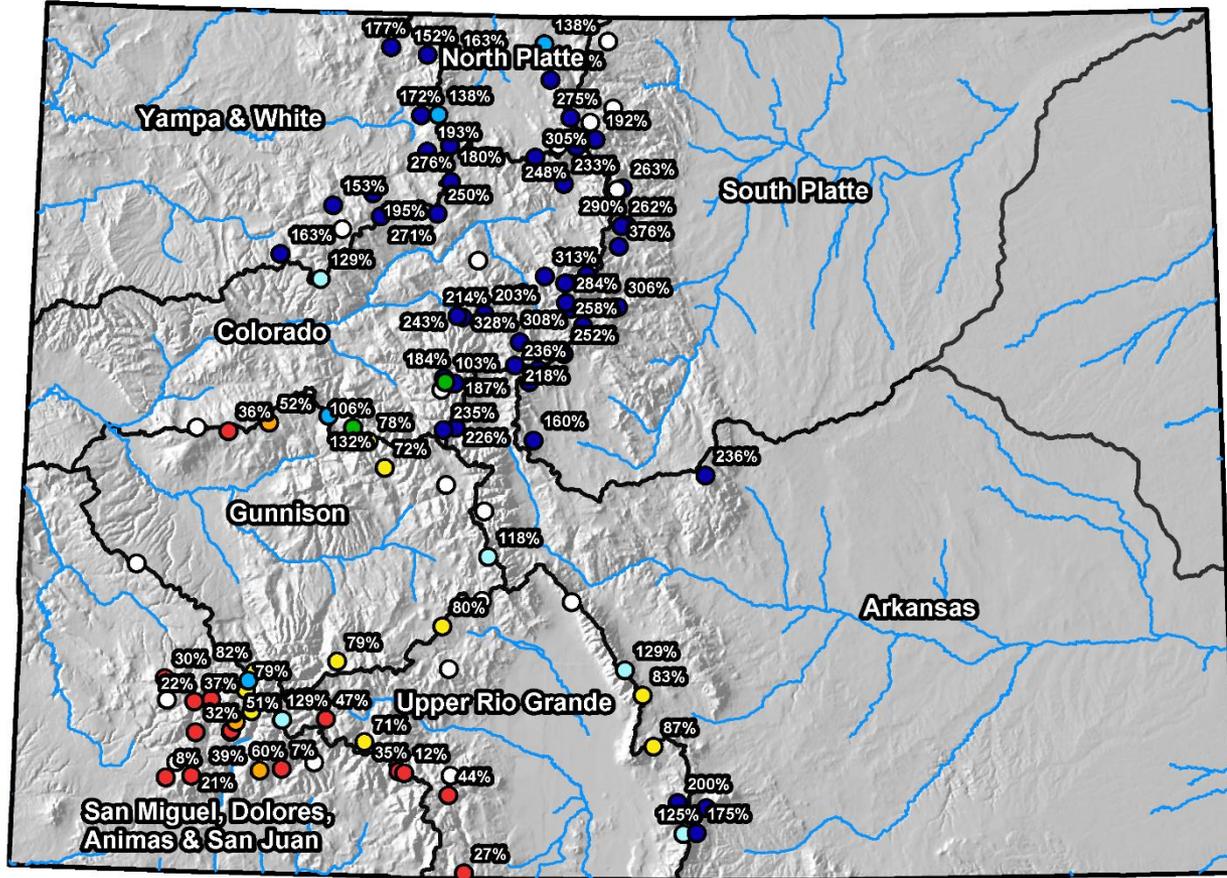
Colorado Statewide High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Mar 17, 2020

February PREC
103% of Average
March to date PREC
65% of Average



Colorado SNOTEL Month-to-Date Precipitation Current as of Feb 14, 2020

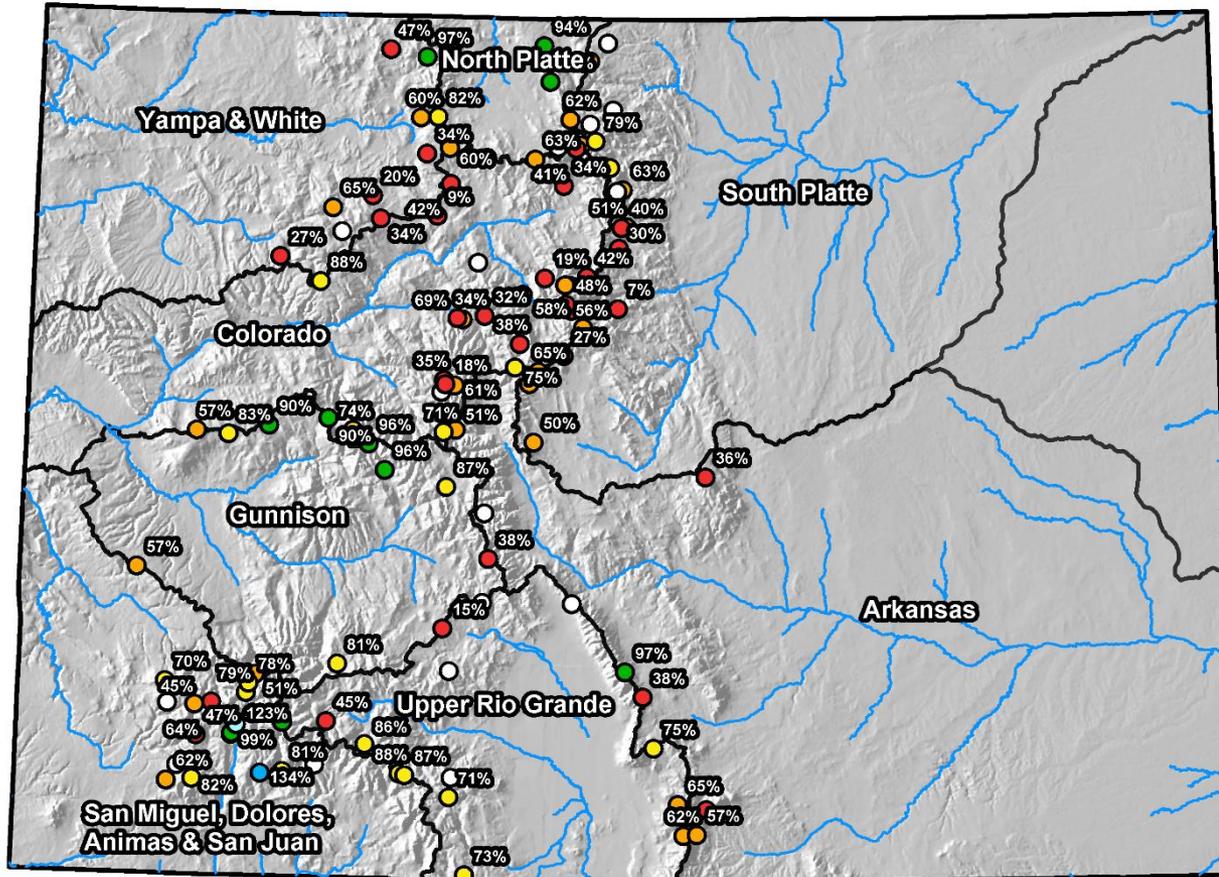


**MTD Precipitation
Percent of Average**

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



Colorado SNOTEL Month-to-Date Precipitation Current as of Mar 17, 2020



**MTD Precipitation
Percent of Average**

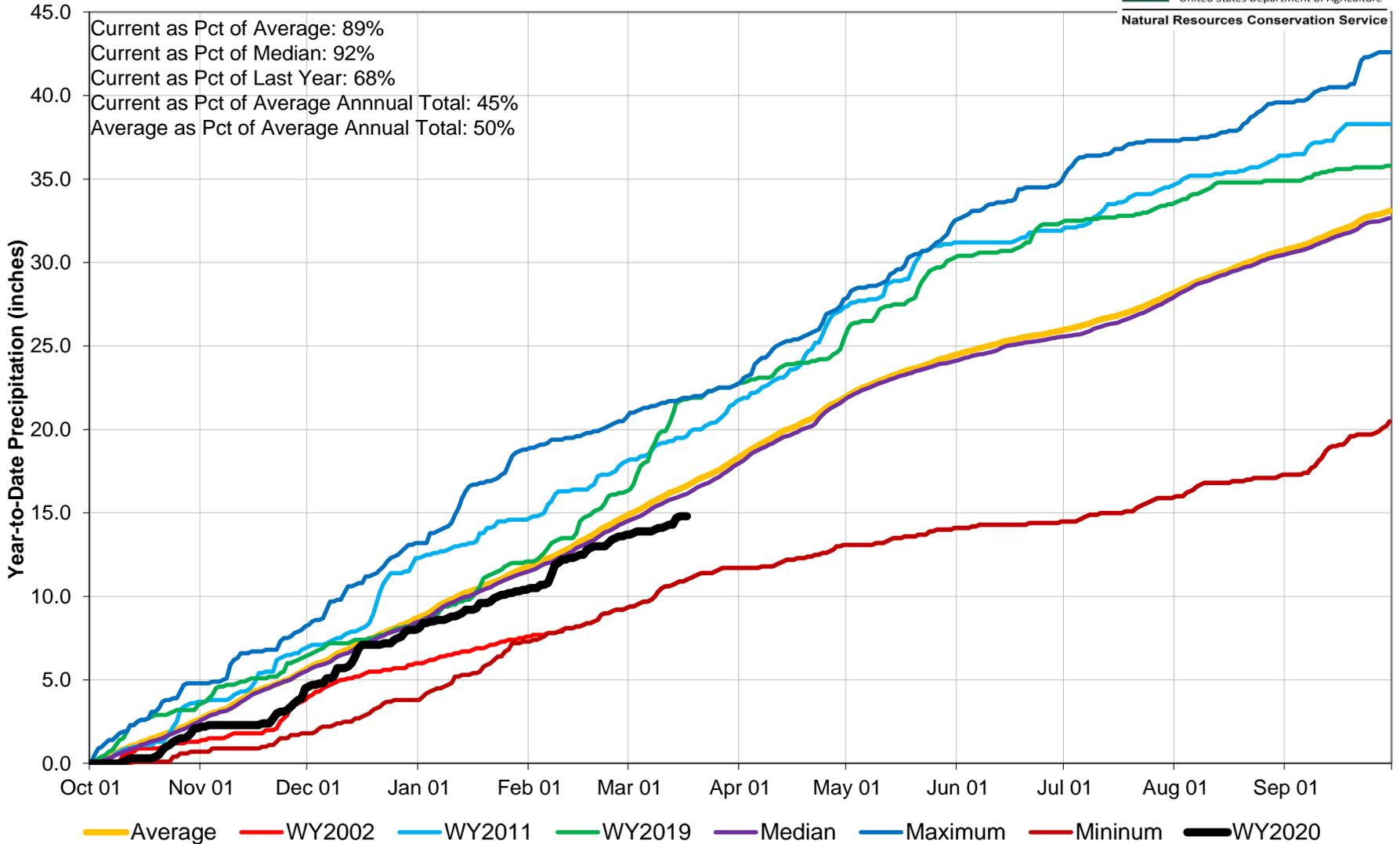
- Missing or Invalid
- < 50
- 50 - 69
- 70 - 89
- 90 - 109
- 110 - 129
- 130 - 149
- >= 150
- SNOTEL



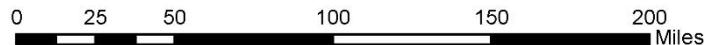
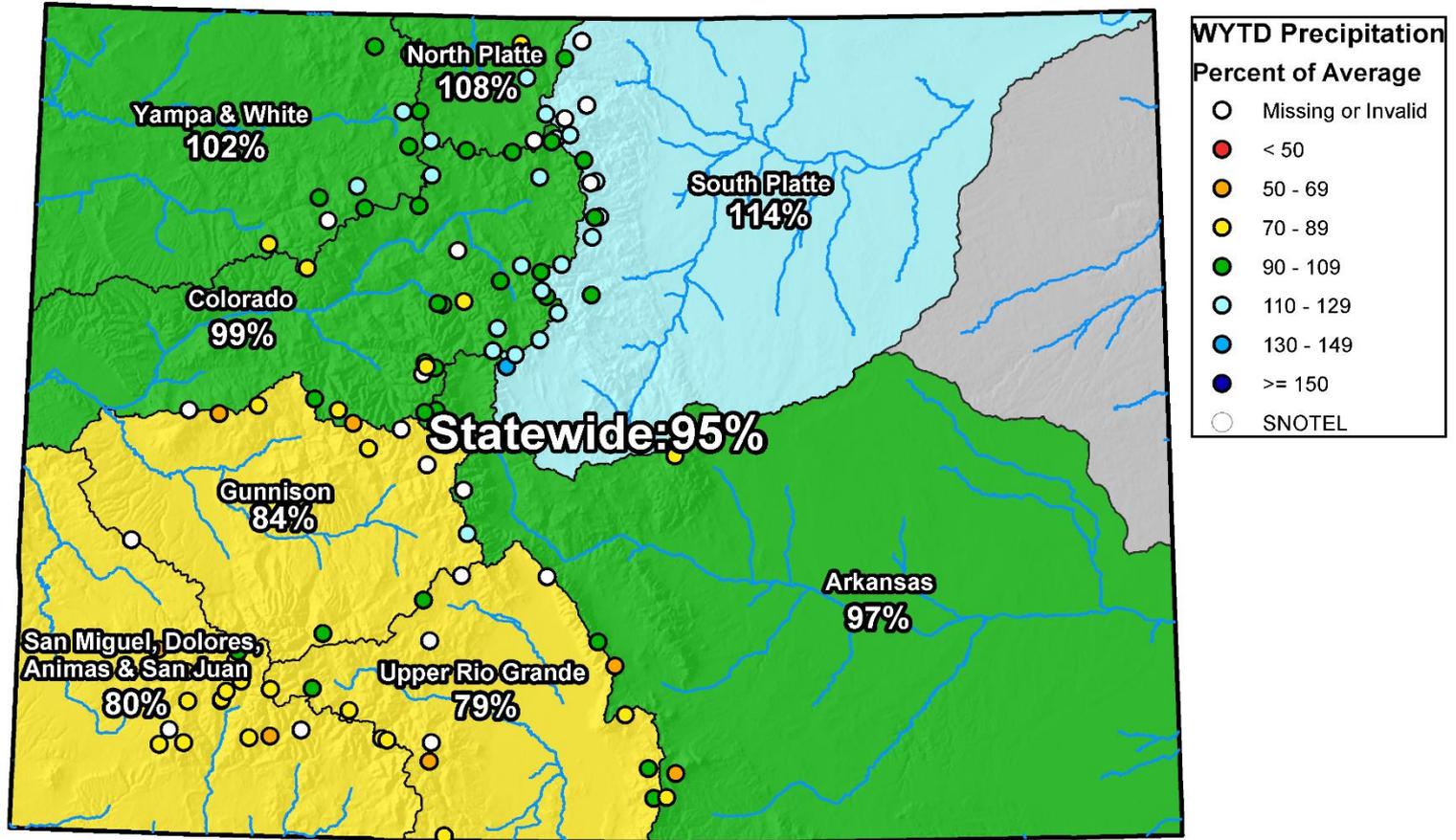


Colorado Statewide High/Low Year-to-Date Precipitation Summary

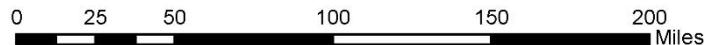
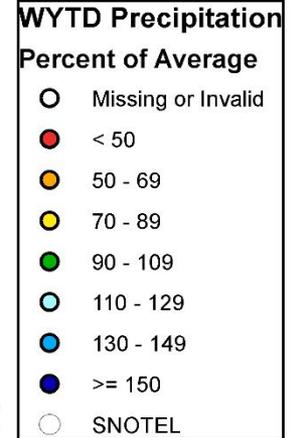
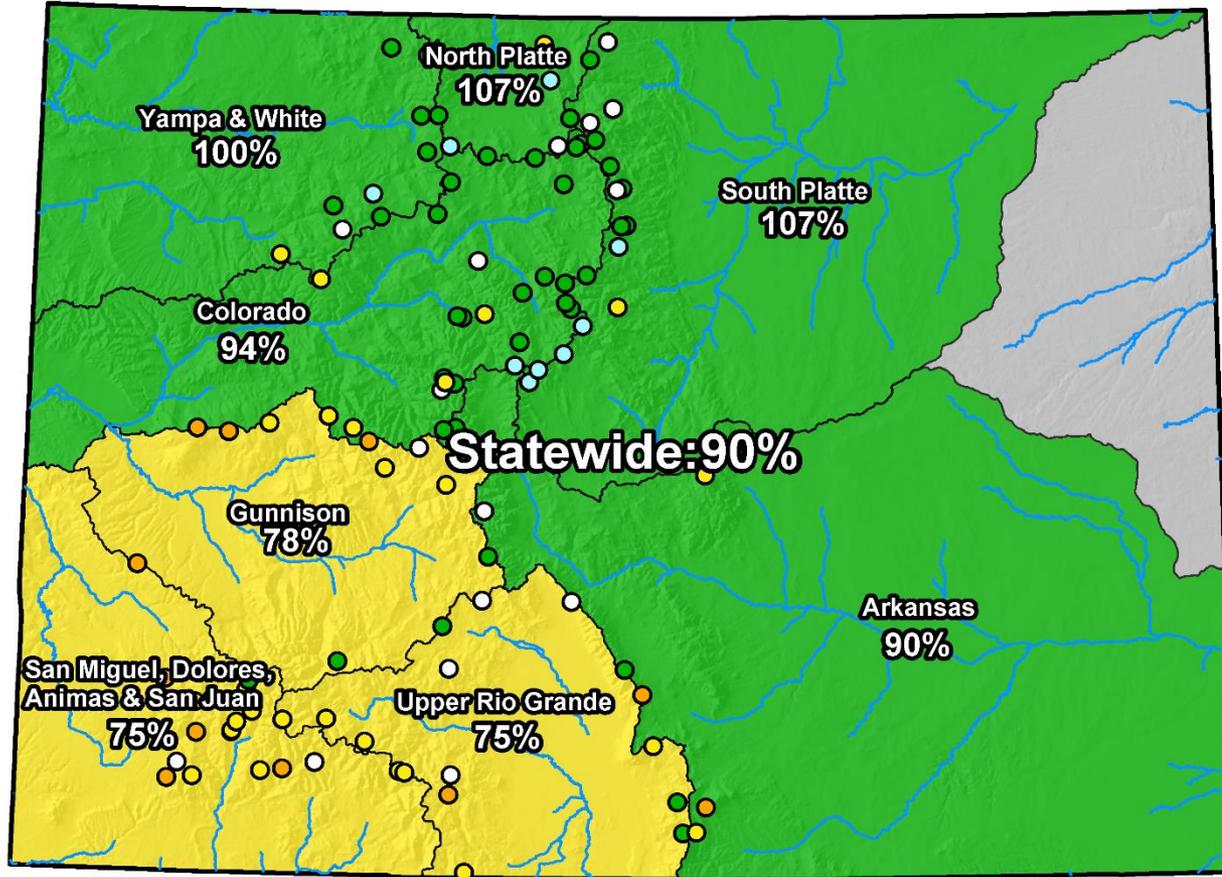
Based on Provisional SNOTEL data as of Mar 17, 2020



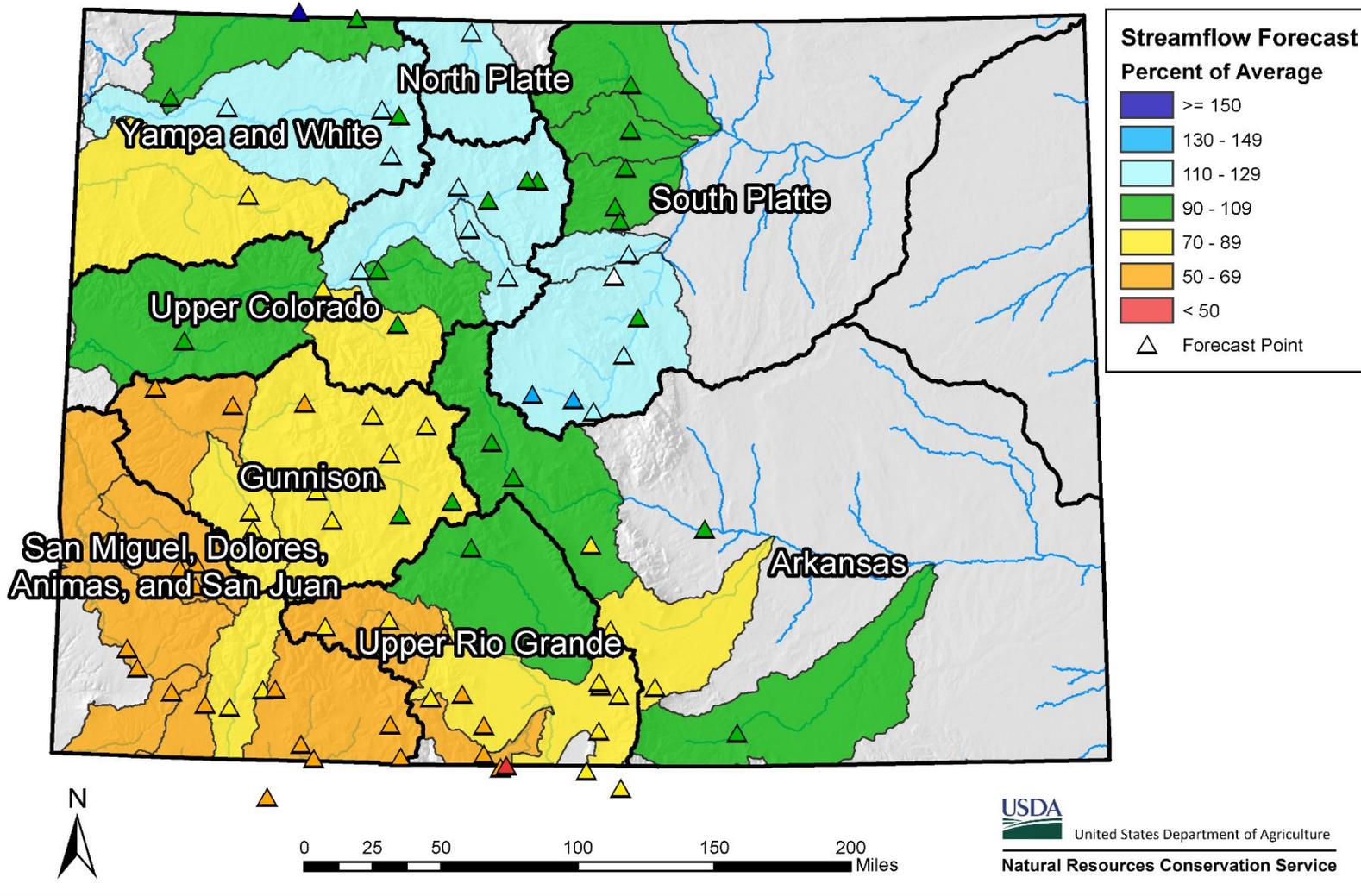
Colorado SNOTEL Water Year to Date Precipitation Current as of Feb 14, 2020



Colorado SNOTEL Water Year to Date Precipitation Current as of Mar 17, 2020

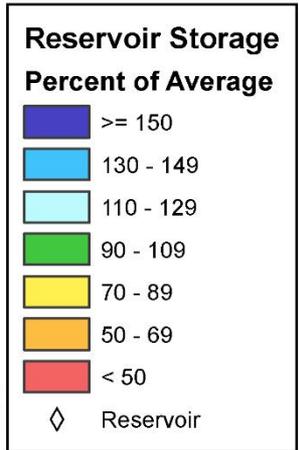
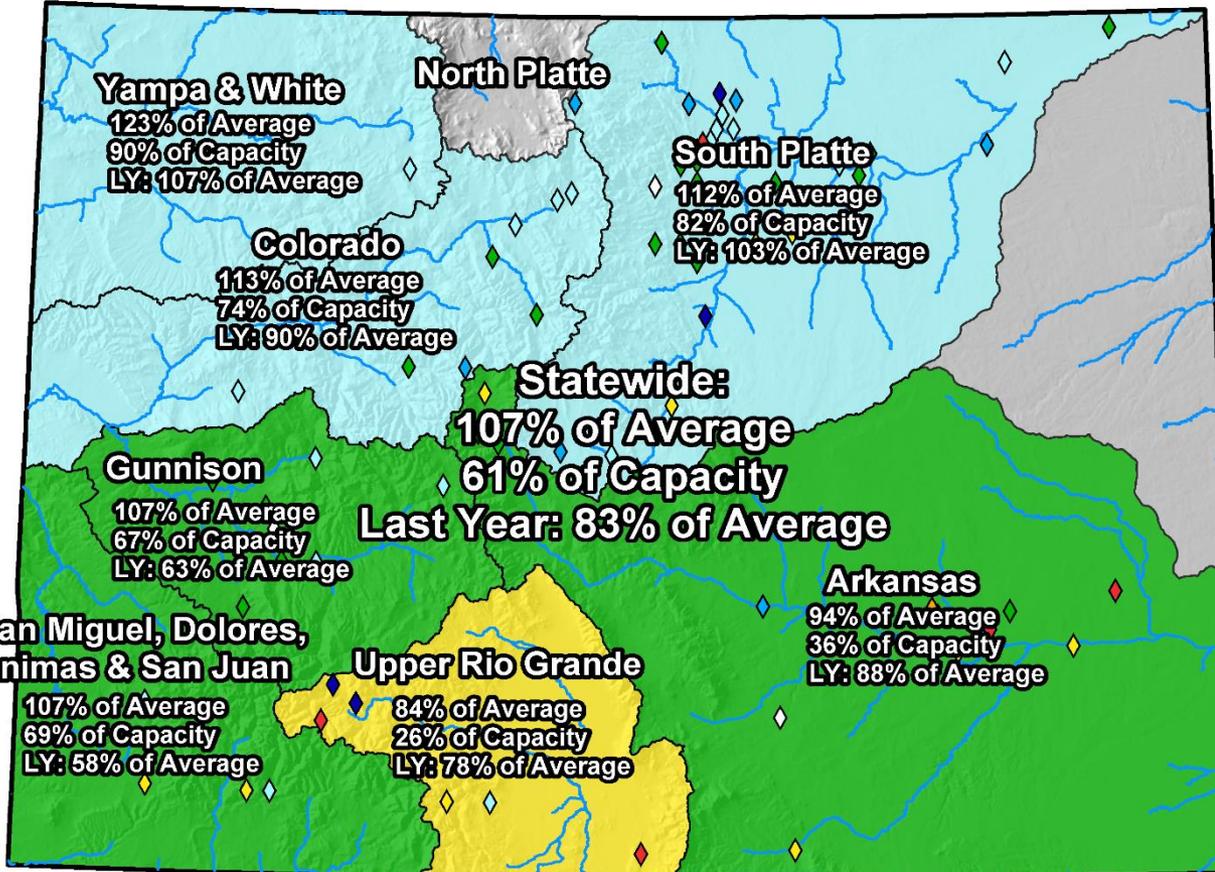


Colorado Streamflow Forecasts Summary March 1, 2020



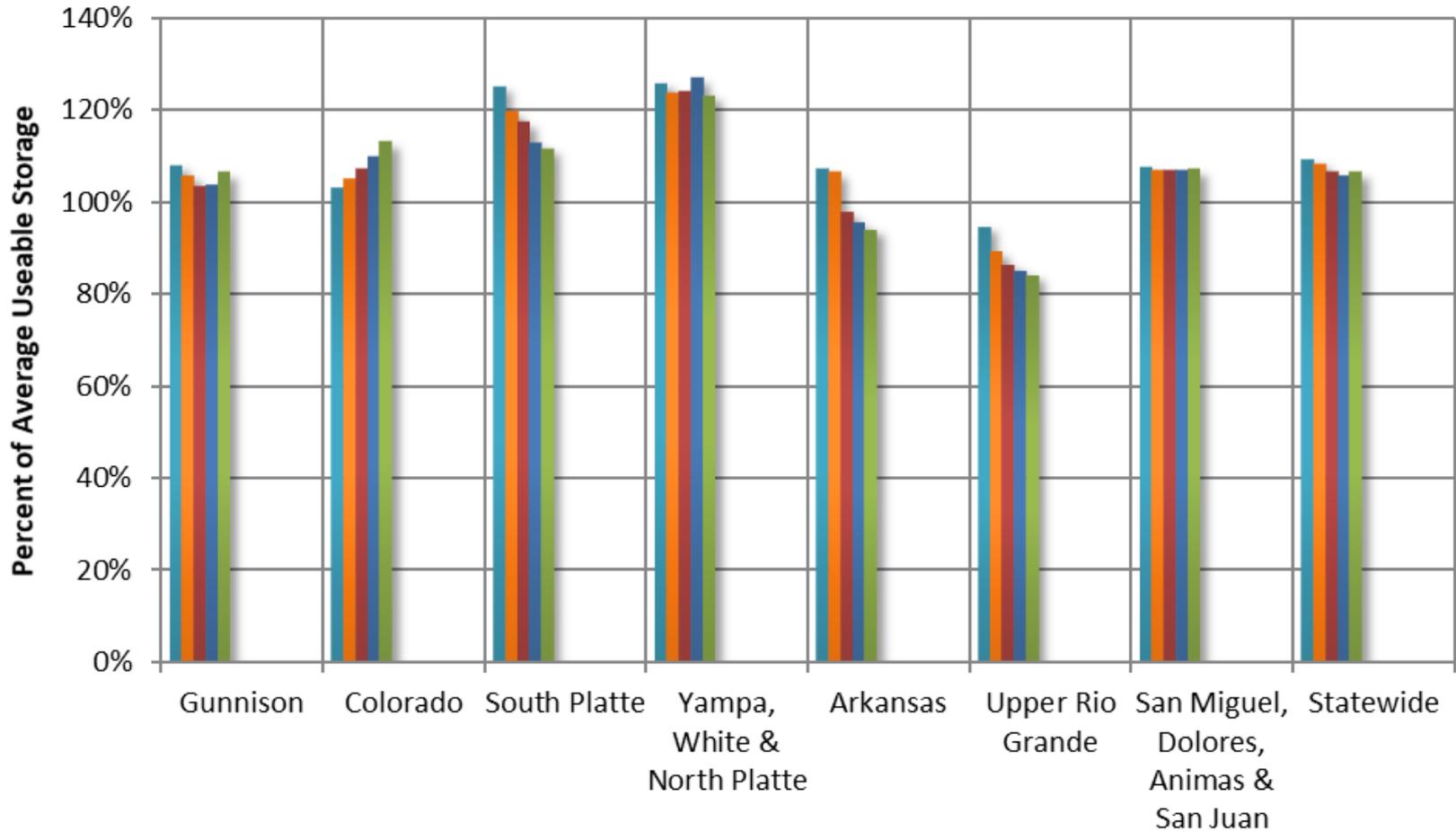
Colorado Monthly Reservoir Storage Summary

End of February 2020

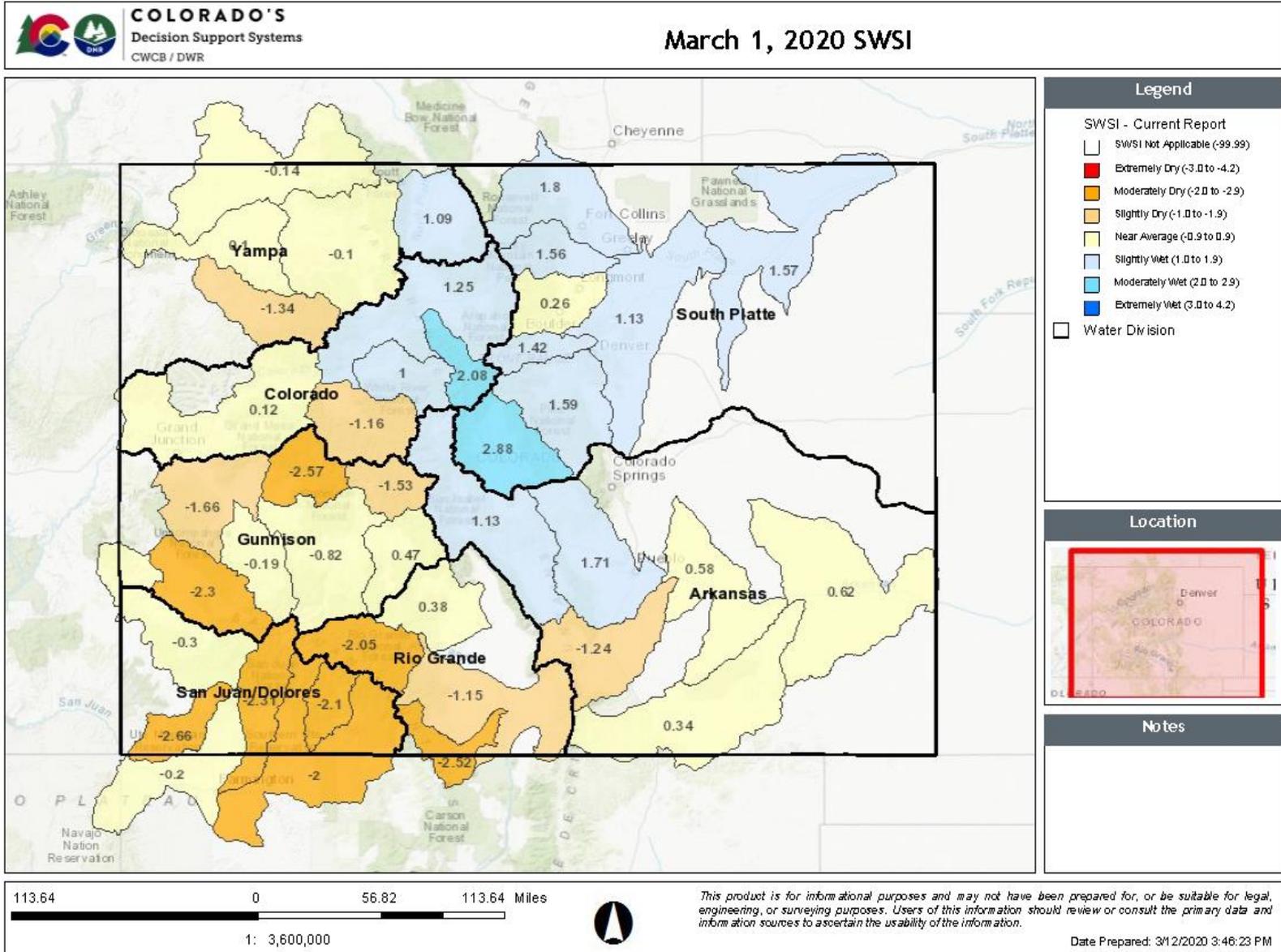


Colorado Reservoir Storage

■ Oct-19 ■ Nov-19 ■ Dec-19 ■ Jan-20 ■ Feb-20 ■ Mar-20
■ Apr-20 ■ May-20 ■ Jun-20 ■ Jul-20 ■ Aug-20 ■ Sep-20



March 1, 2020 SWSI



Summary

•Precipitation Statewide

- Statewide water year precip slipped from 95 to 90% of average from since last month's presentation on Feb 18th.
- Month to date precipitation has been generally consistent across the state but below normal at 65% since Mar 1st.

•Statewide snowpack has decreased 11% to 104% since last month's presentation

- Snowpack remains better in the northern basins
- Below average in the southern basins

•Reservoir storage remains above average in all major basins except for the Rio Grande and Arkansas (barely below), up from last month

- Ranging from 84-123% average storage and is 107% of average statewide

•Streamflow forecasts range from 54% (Surface Ck nr Cedaredge) to 132% (Spinney Res Inflow) of median values

- Dry fall precip is having implications on stream flow forecasts
- However based on March to date precip w/o a turn around fcsts will likely fall
- Have suspended Snow Surveys at manual snow courses for Apr 1 obs
- SNOTEL will continue to monitor



Water Availability Task Force Meeting

March 17th, 2020

NRCS Snow Survey and Water Supply Forecasting Program

Brian Domonkos

Hydrologist

Colorado Snow Survey Supervisor

720-544-2852

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



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