United States Department of Agriculture

Water Conditions Monitoring Committee Meeting April 23rd, 2024

NRCS Snow Survey and Water Supply Forecasting Program

Brian Domonkos

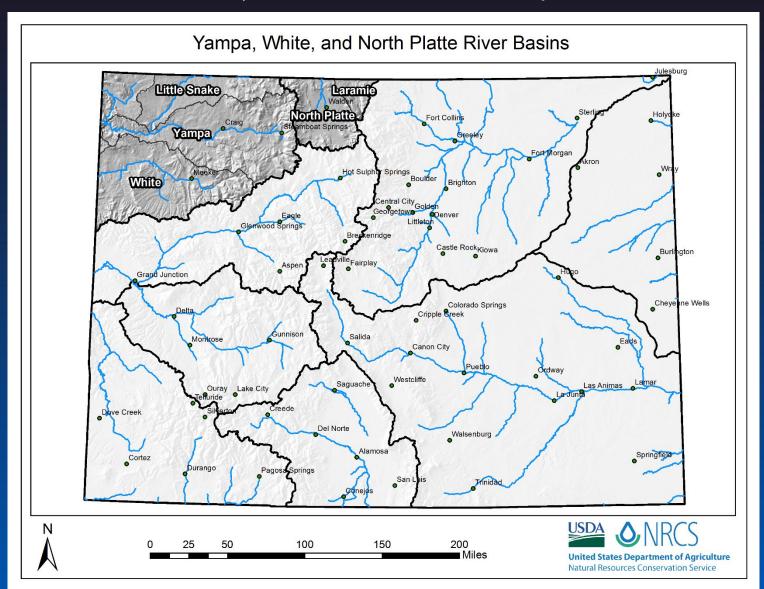
Hydrologist

Brian.Domonkos@usda.gov

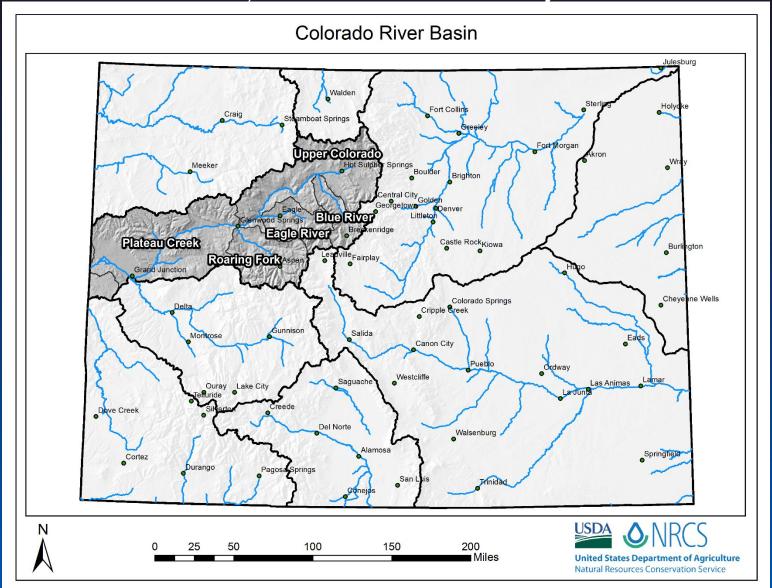
720-544-2853

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

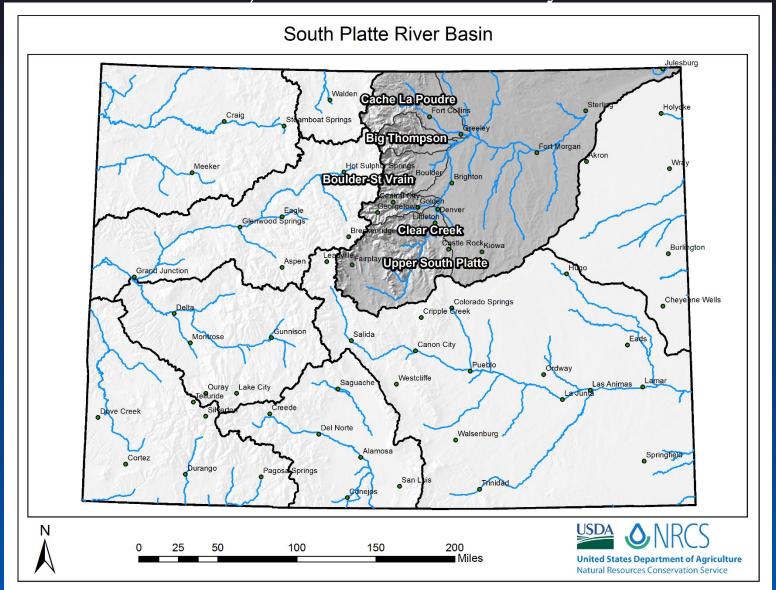




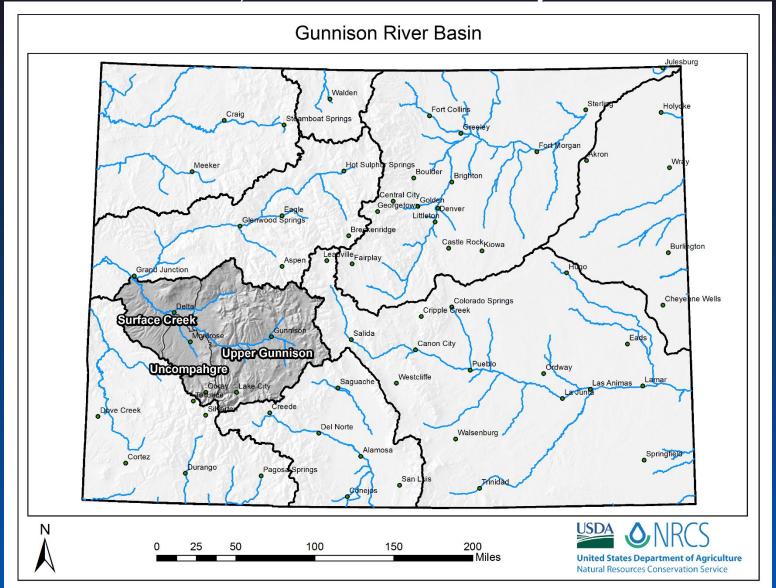






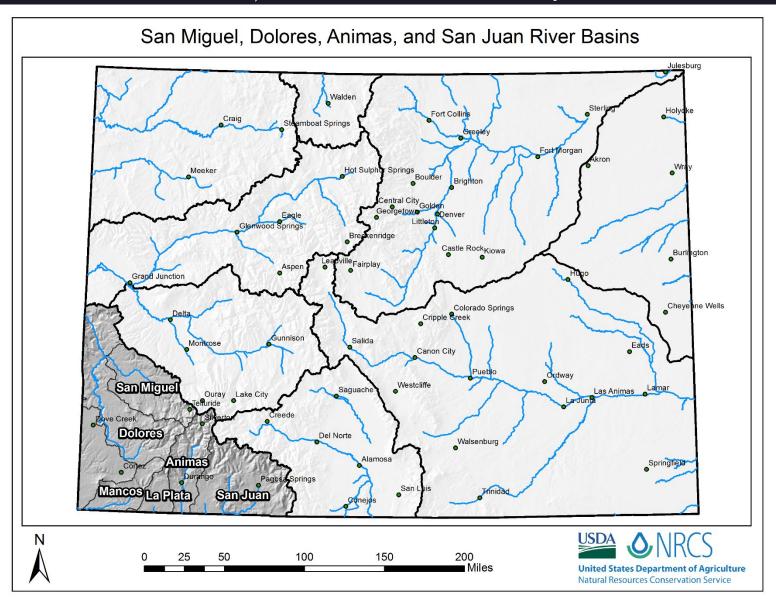






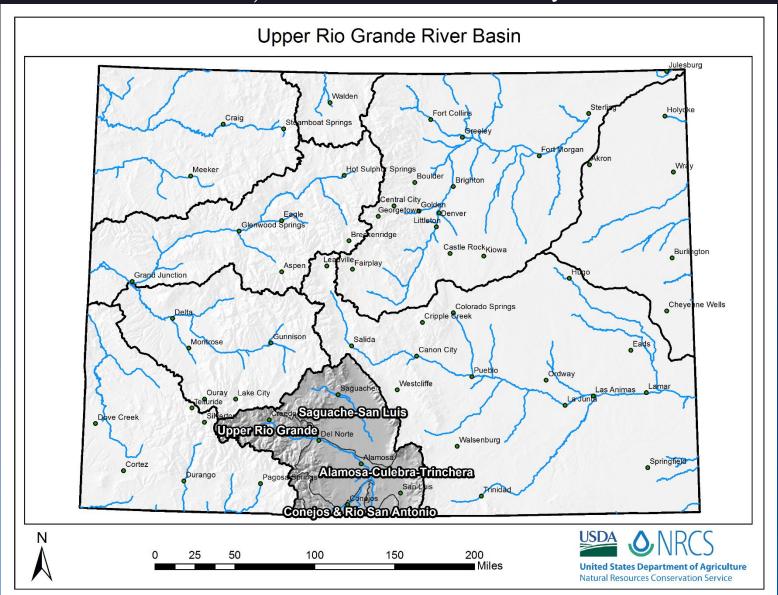






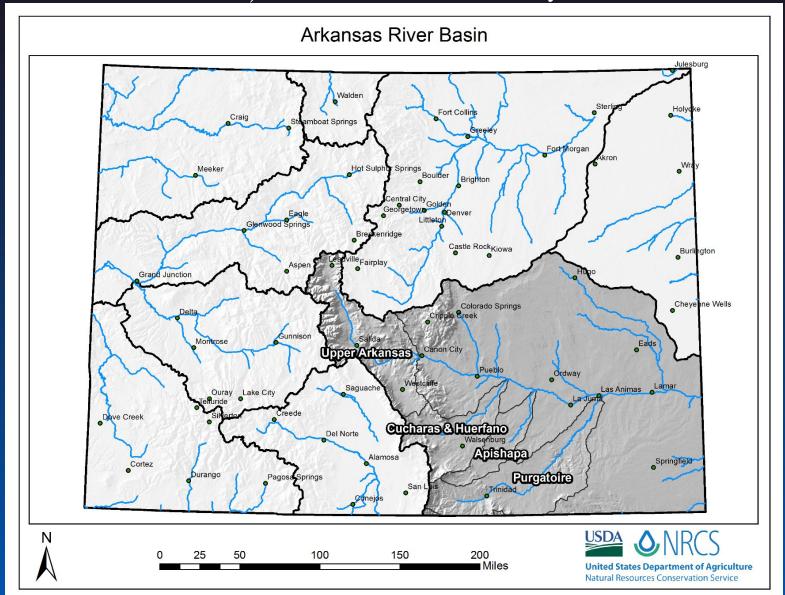






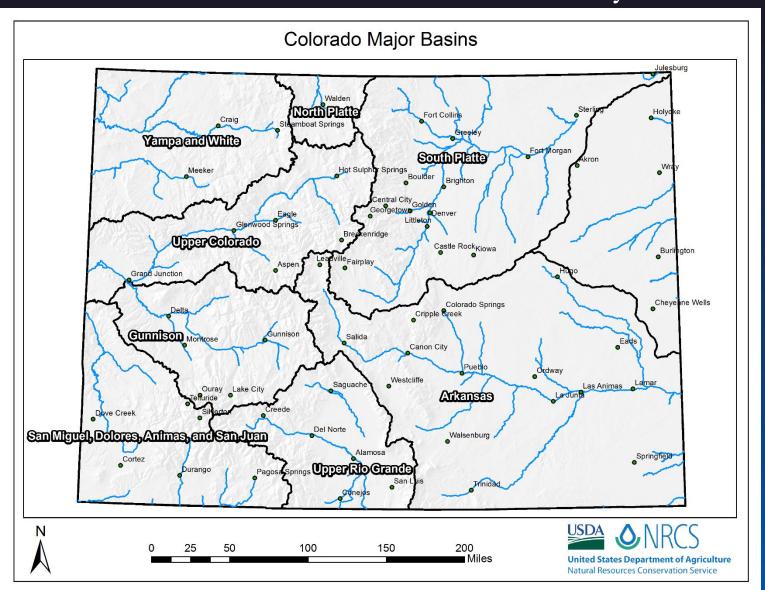


USDA



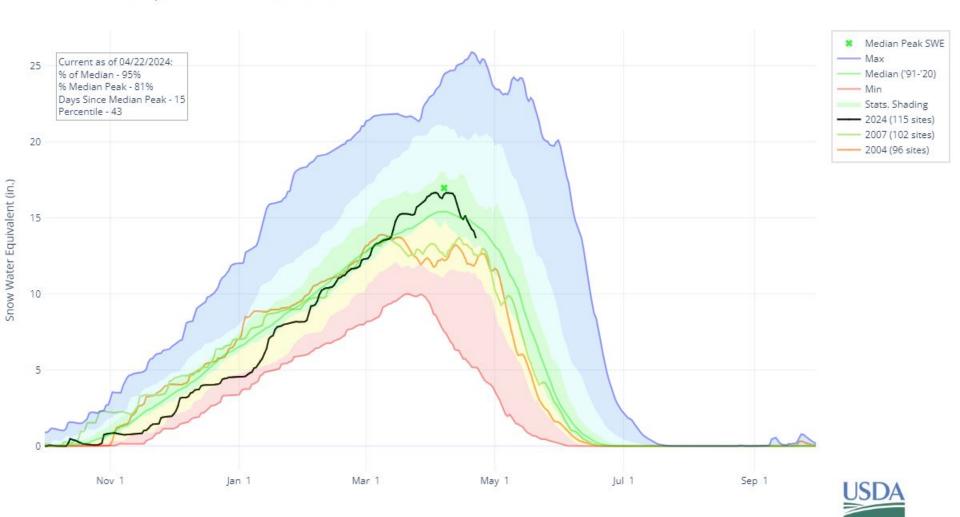


Colorado Statewide Summary



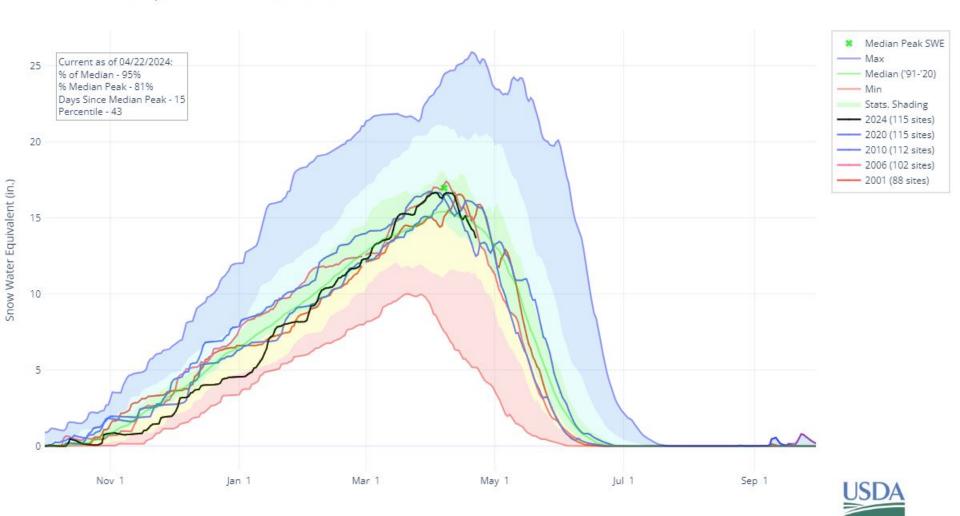


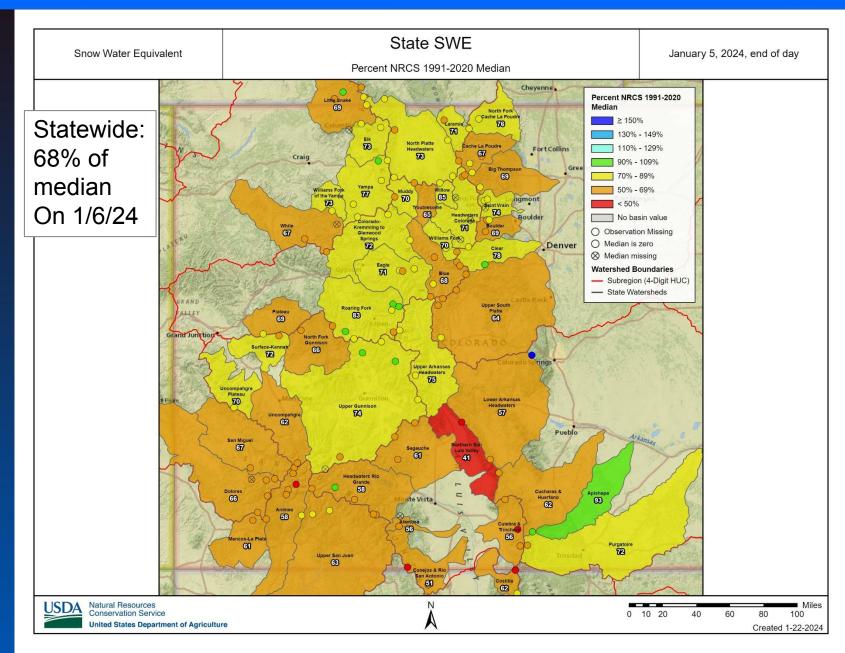
SNOW WATER EQUIVALENT IN STATE OF COLORADO

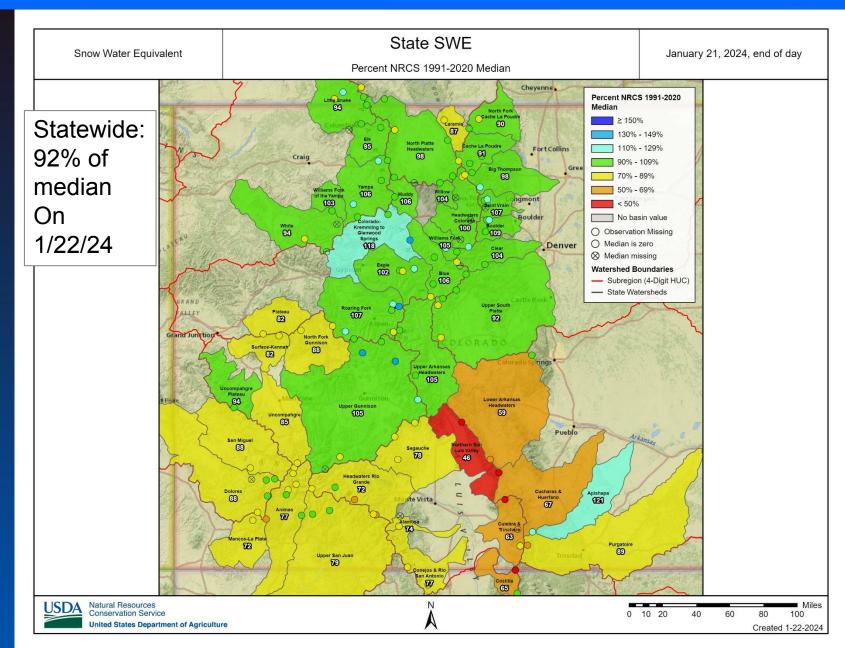


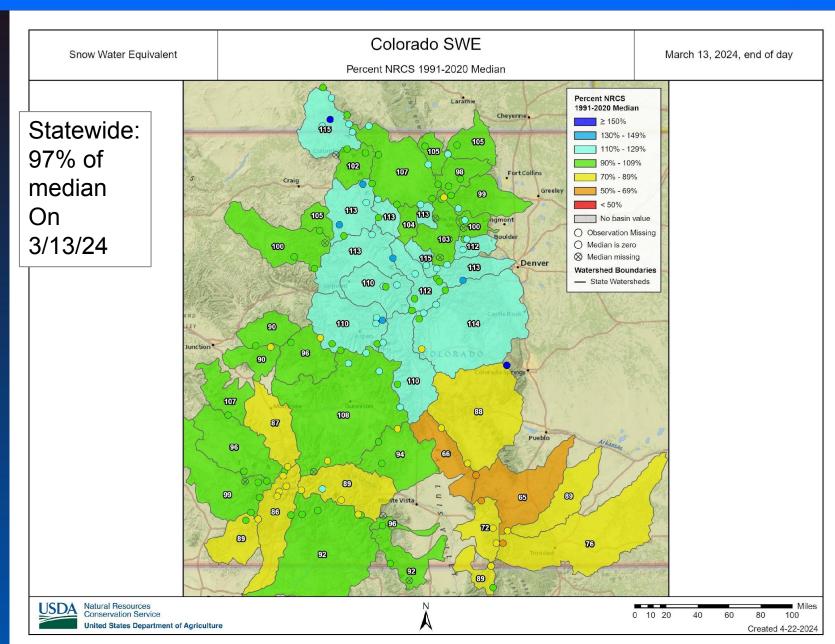


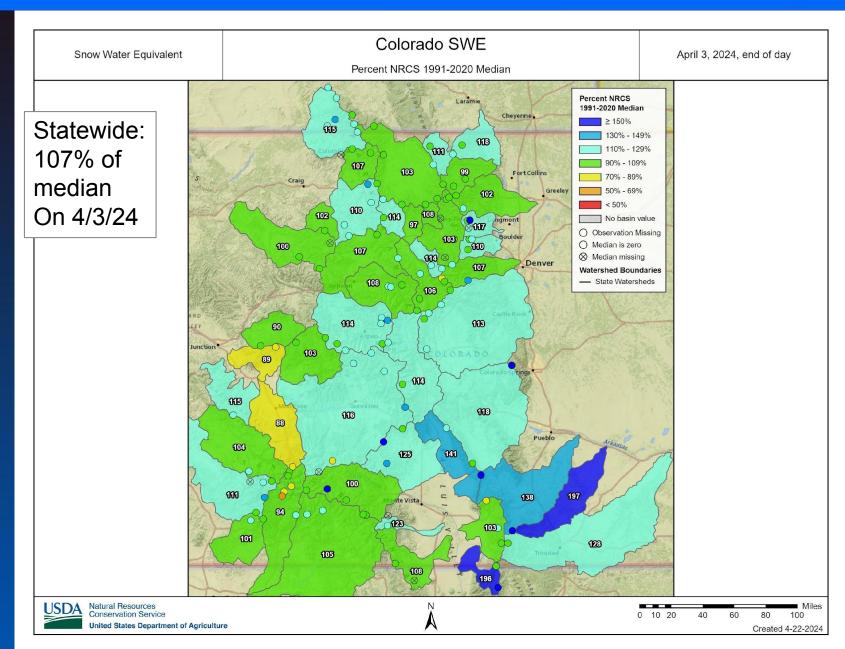
SNOW WATER EQUIVALENT IN STATE OF COLORADO

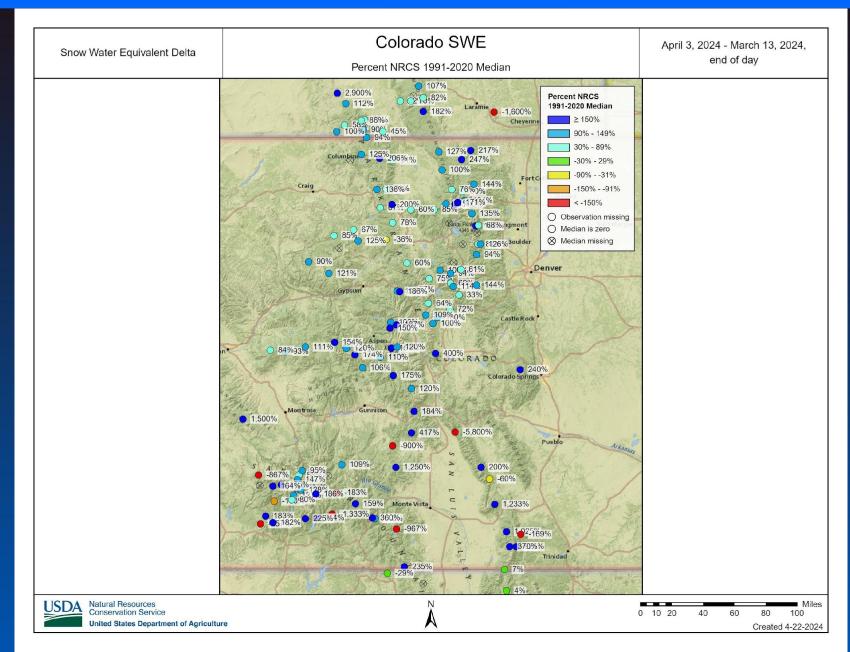






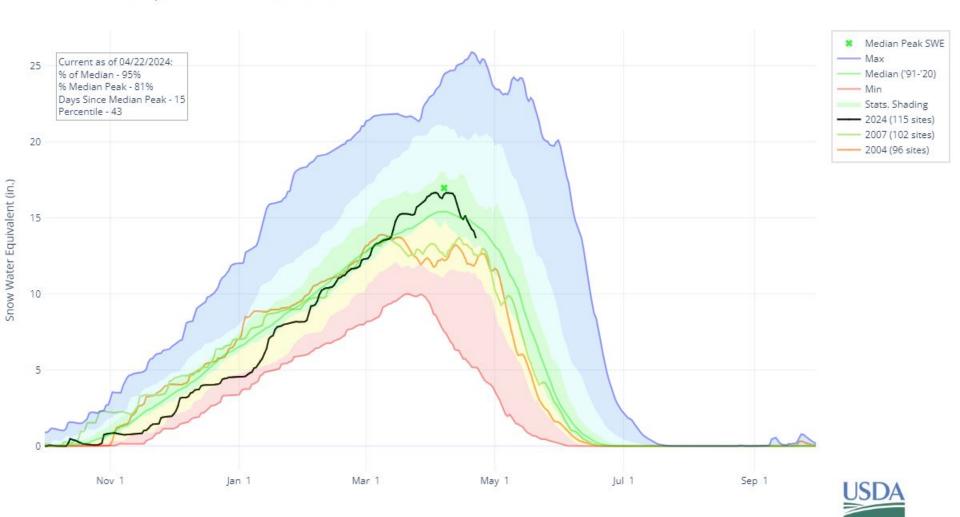


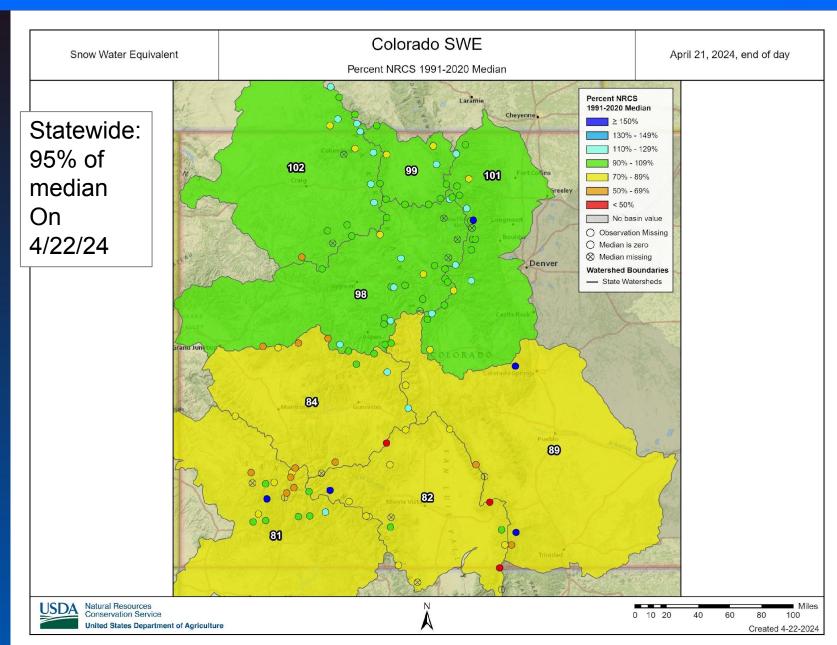




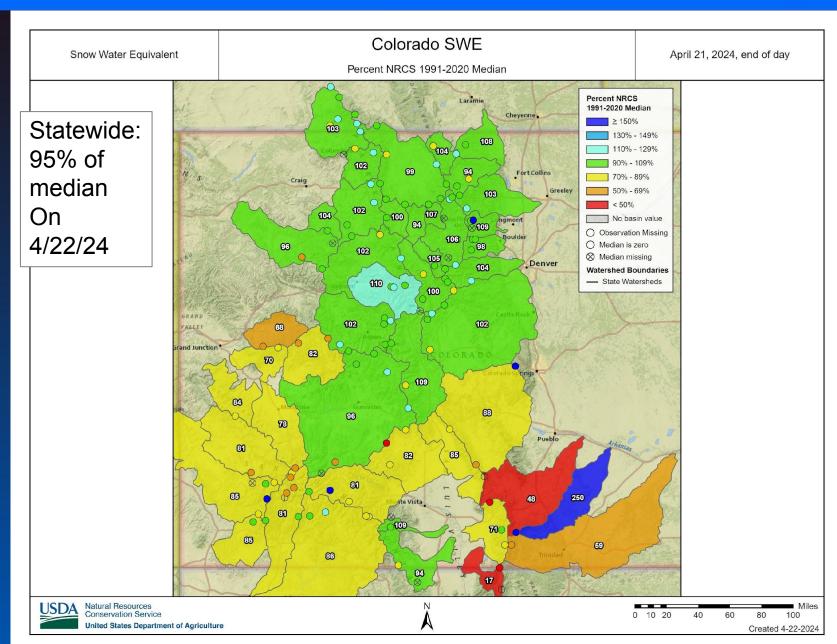


SNOW WATER EQUIVALENT IN STATE OF COLORADO





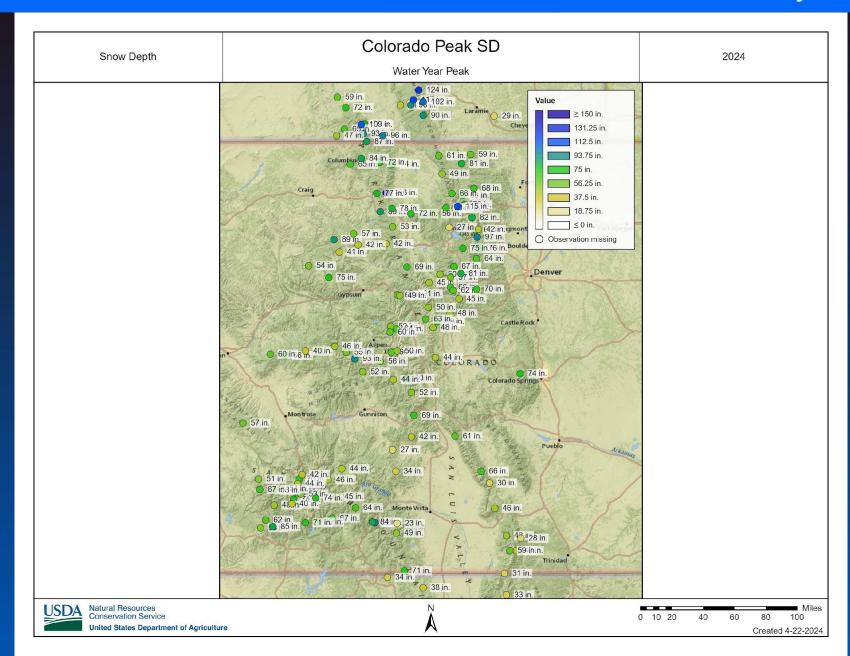
Basin	Normal Peak Date	Normal Peak SWE	Peak Date	Peak SWE	% of Norm Peak SWE	% of Norm SWE 4/22
SMDASJ	4/1	18.6	4/2	18.1	97%	81%
URG	4/2	14.5	4/3	12.9	89%	82%
Arkansas	4/3	12.0	4/3	12.6	105%	89%
Yampa-White-LS	4/7	21.3	4/6*	22.0*	103%	102%
Gunnison	4/8	17.9	4/10	16.3	91%	84%
Colorado Headwaters	4/12	17.5	4/11*	17.1*	98%	98%
NP-Laramie	4/21	24.7	4/18*	23.7*	96%	99%
S. Platte	4/24	16.7	4/21*	15.1*	90%	101%
Statewide	4/7	17.0	4/3	16.7	98%	94.5%
* = could see another snowpack peak if a storm big enough provides the snow						

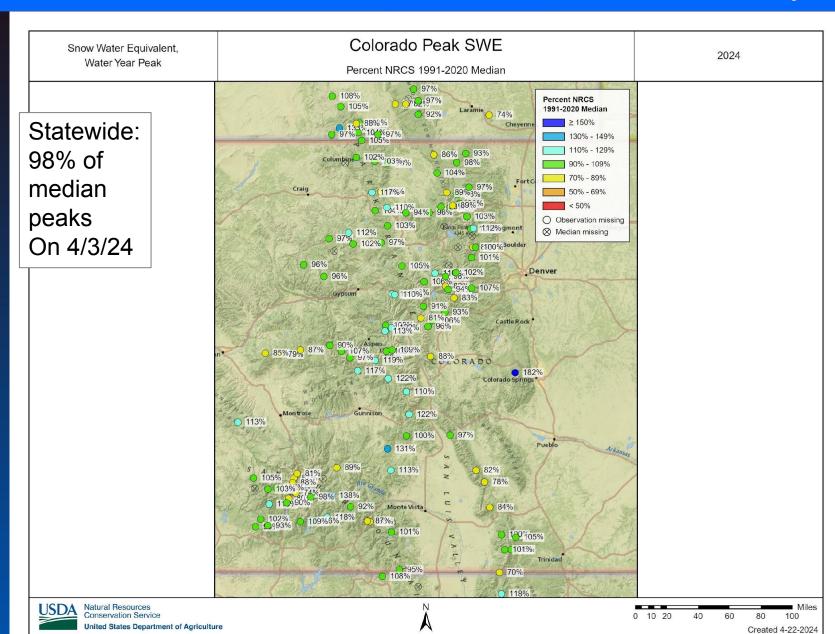


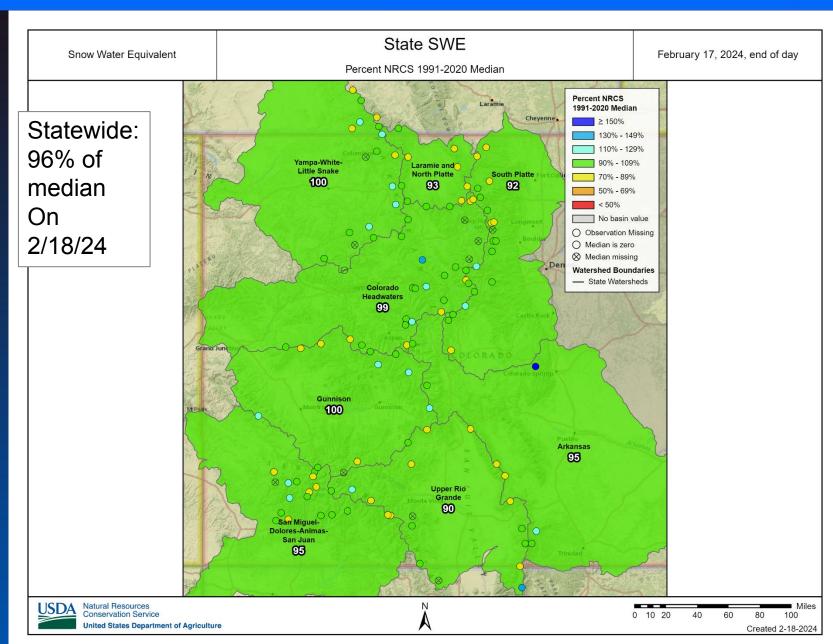
Created 4-22-2024

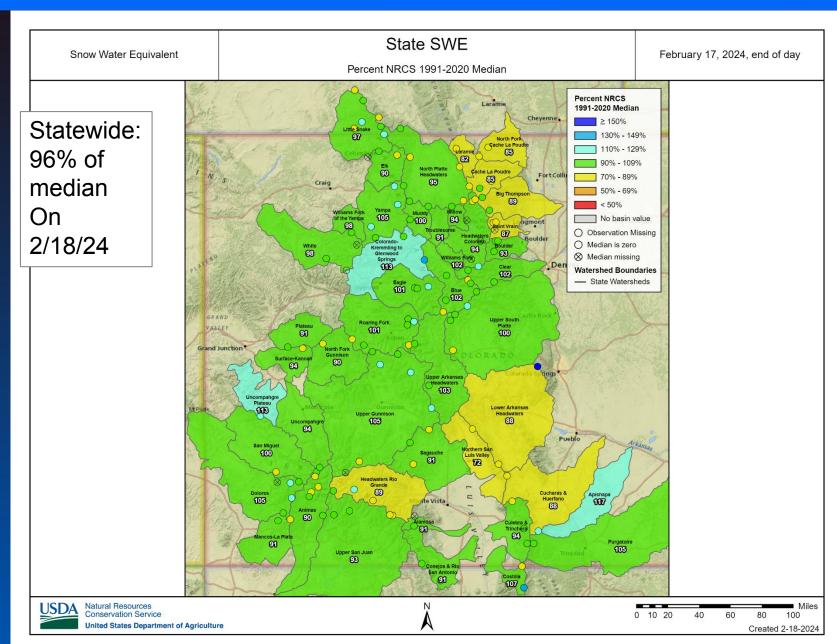
Colorado Peak SWE Date Snow Water Equivalent 2024, end of day Date of Water Year Peak 04-21 04-02 404-18 Value 04-07 Laramie 04-07 ≥ 05-31 Statewide: 05-01 04-02 04-11 16.7 04-16 04-01 inches of 03-17 03-02 02-16 **SWE** 03-20 (03-17 gmon 04-21 Observation missing on 4/3/24 04-20)4-023oul 04-02 Denver 04-16 04-16 Castle Rock 04-034-0004-01 04-02 Aspen 04-03, 04-02 Colorado Springs 04-11 04-02 04-09 03-31 04-07 04-02 04-10 04-07 04-11 04-09 04-02 04-10 Monte Vista 04-08 04-12 04-03 0 04-09 03-20 03-28 **USDA** Natural Resources Conservation Service 0 10 20 60 100 40 United States Department of Agriculture





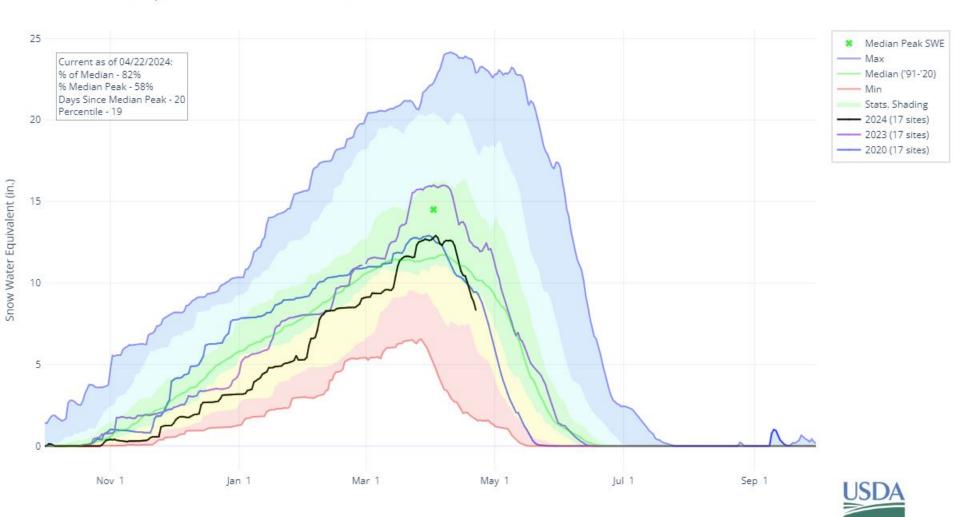






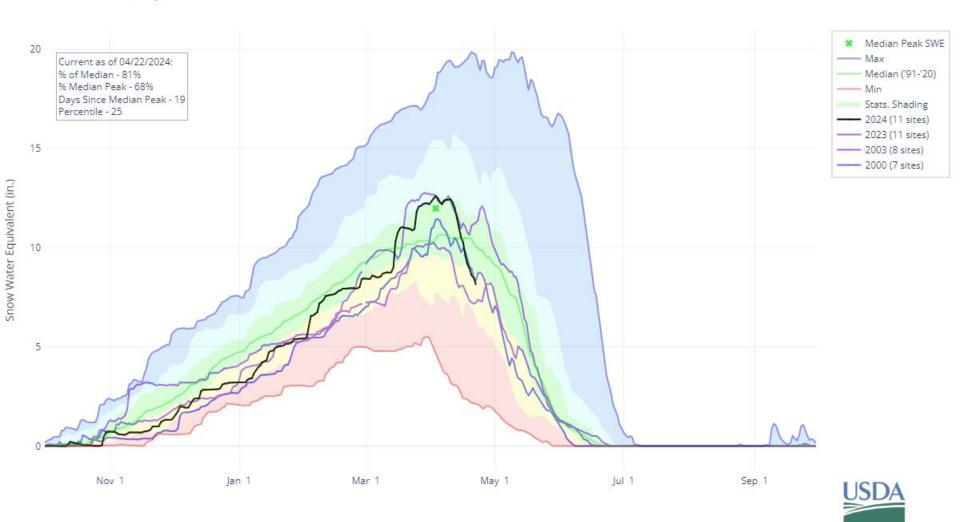


SNOW WATER EQUIVALENT IN UPPER RIO GRANDE



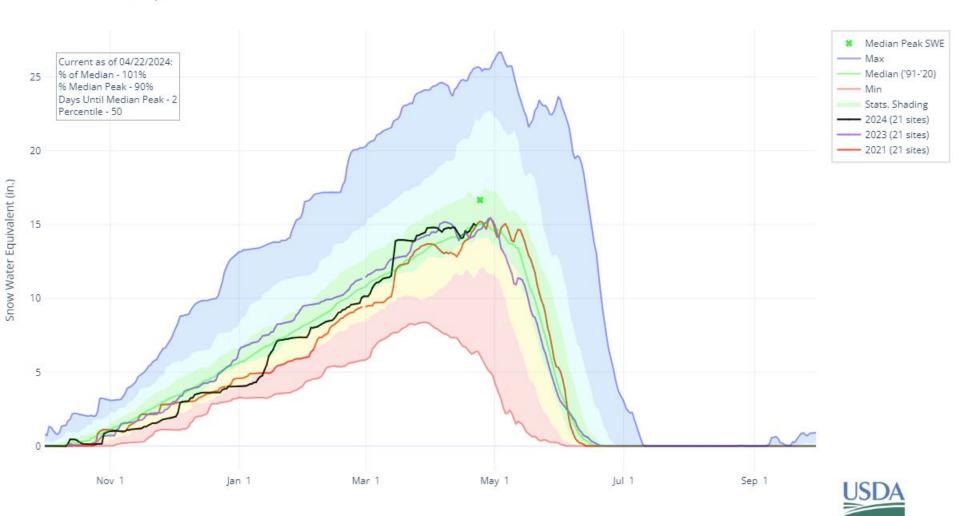


SNOW WATER EQUIVALENT IN ARKANSAS



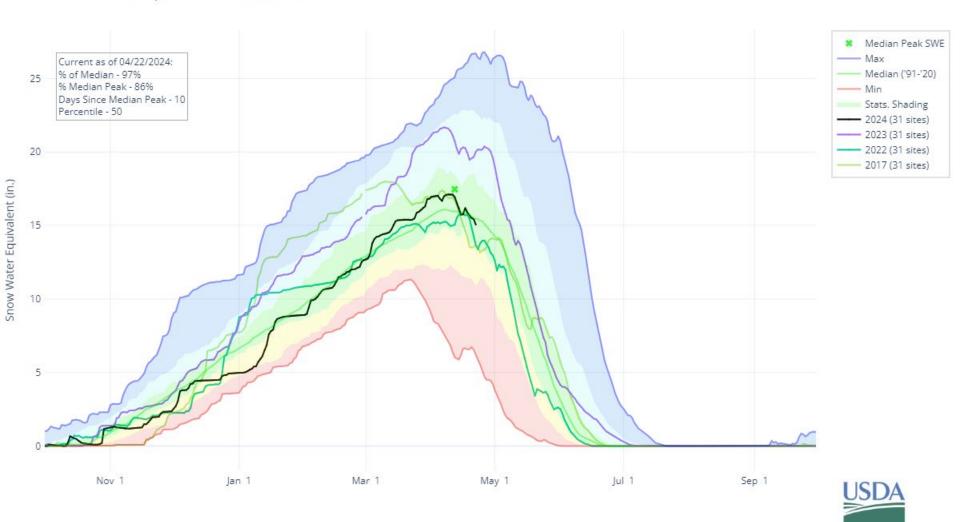


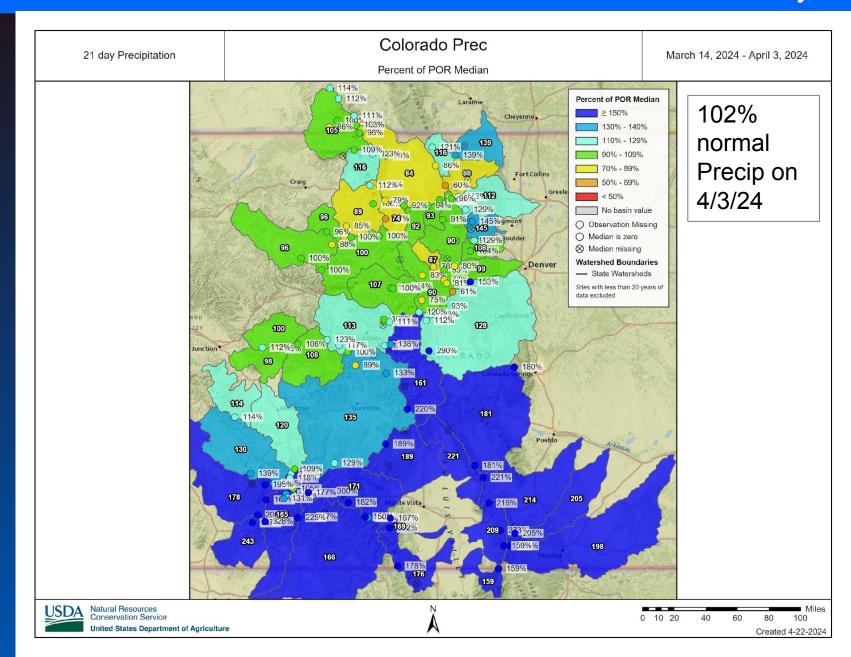
SNOW WATER EQUIVALENT IN SOUTH PLATTE



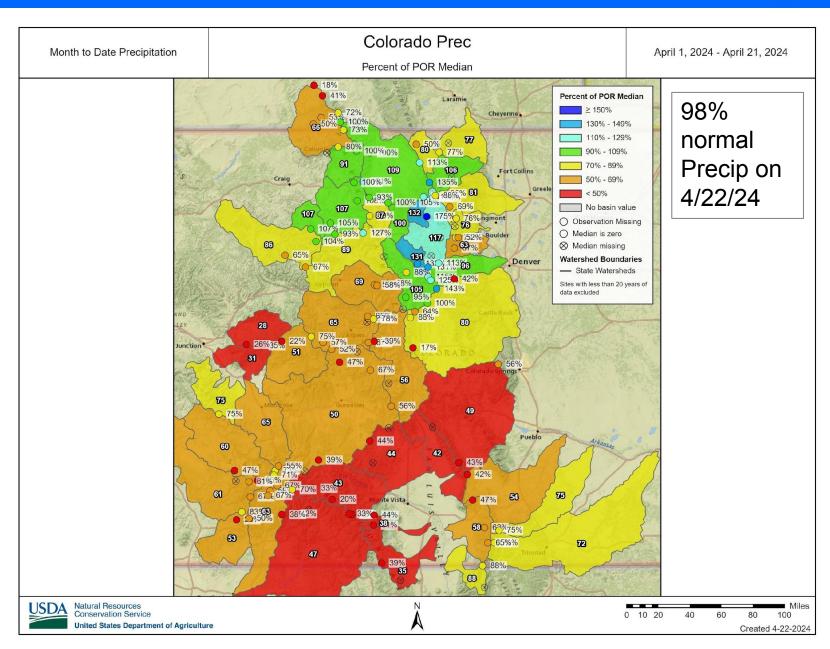


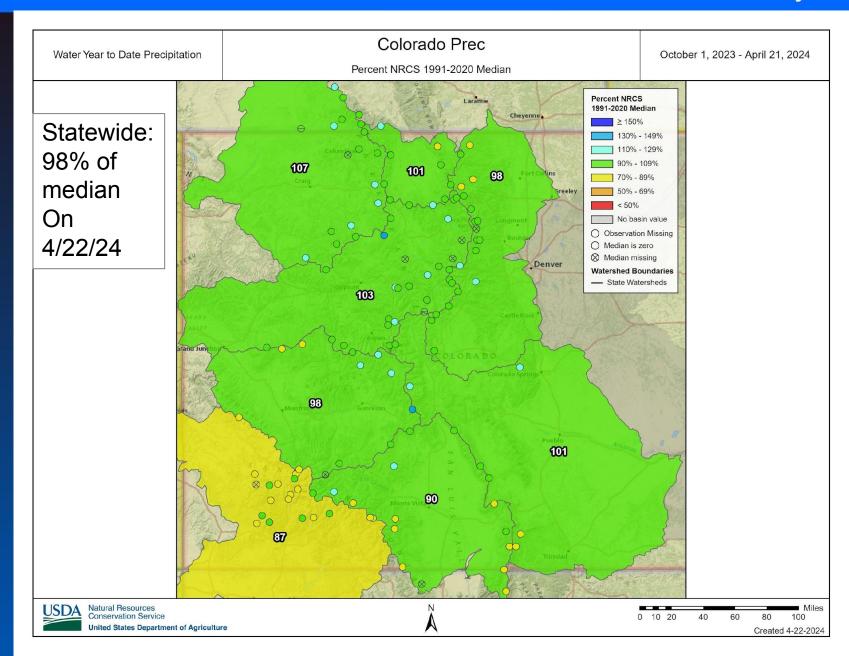
SNOW WATER EQUIVALENT IN COLORADO HEADWATERS

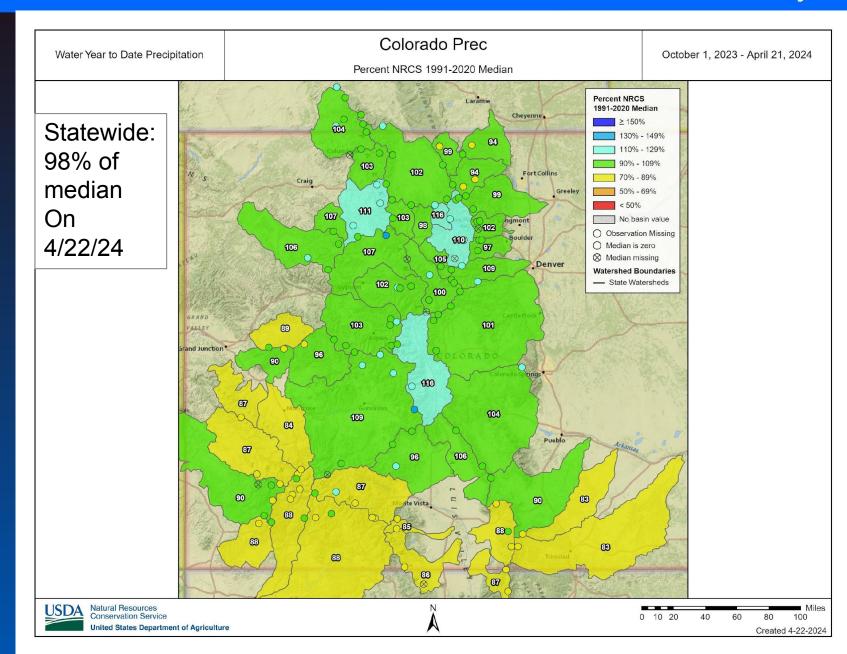






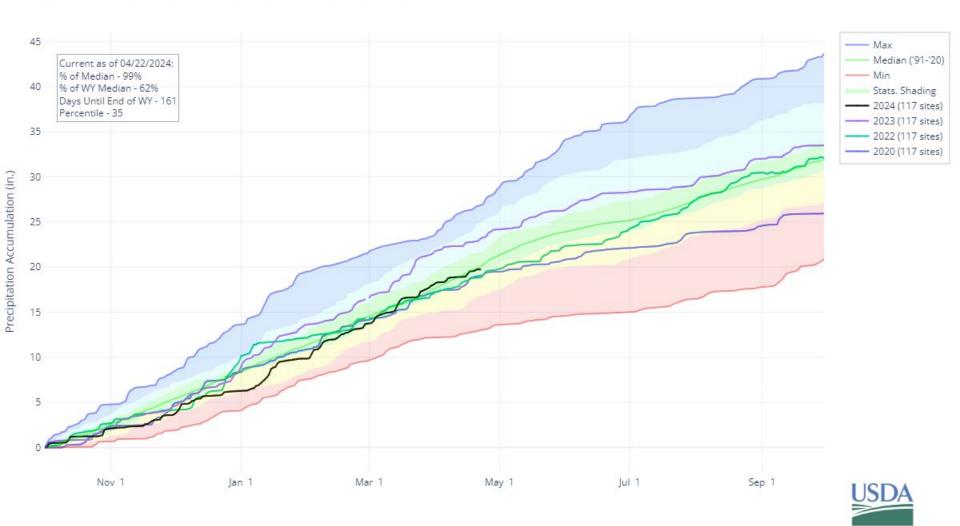






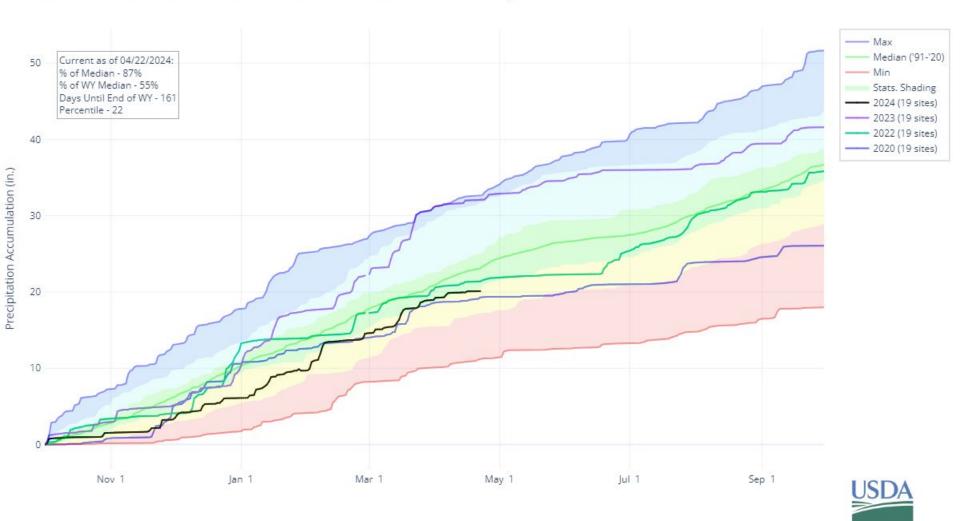


PRECIPITATION ACCUMULATION IN STATE OF COLORADO



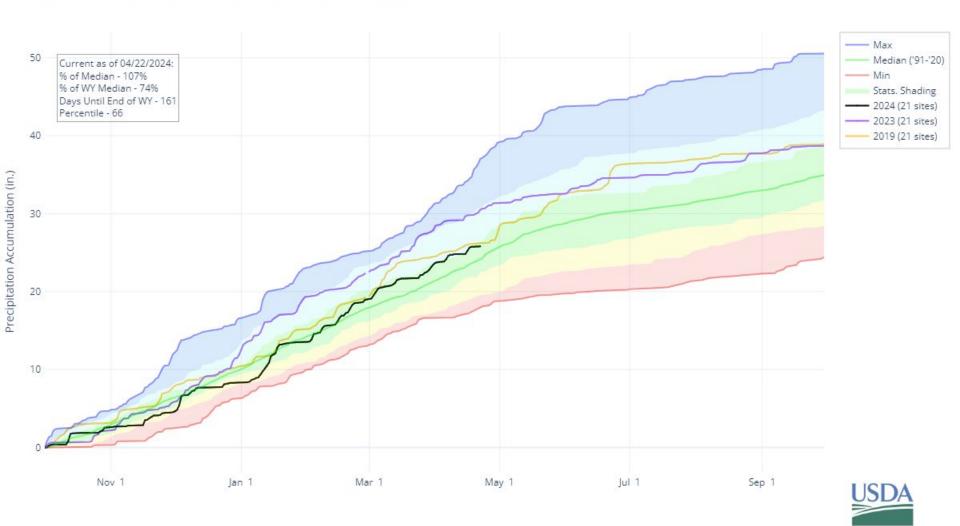


PRECIPITATION ACCUMULATION IN SAN MIGUEL-DOLORES-ANIMAS-SAN JUAN

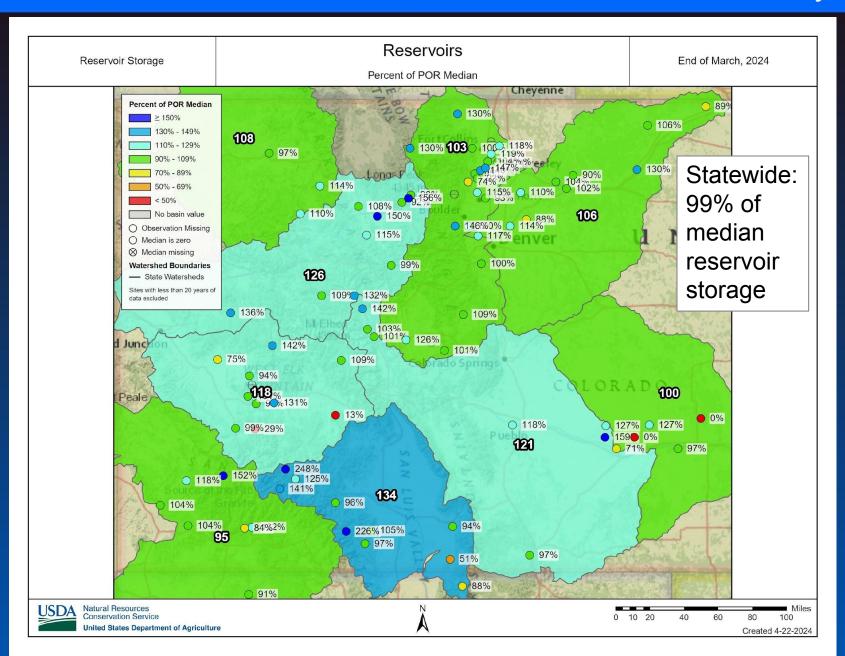




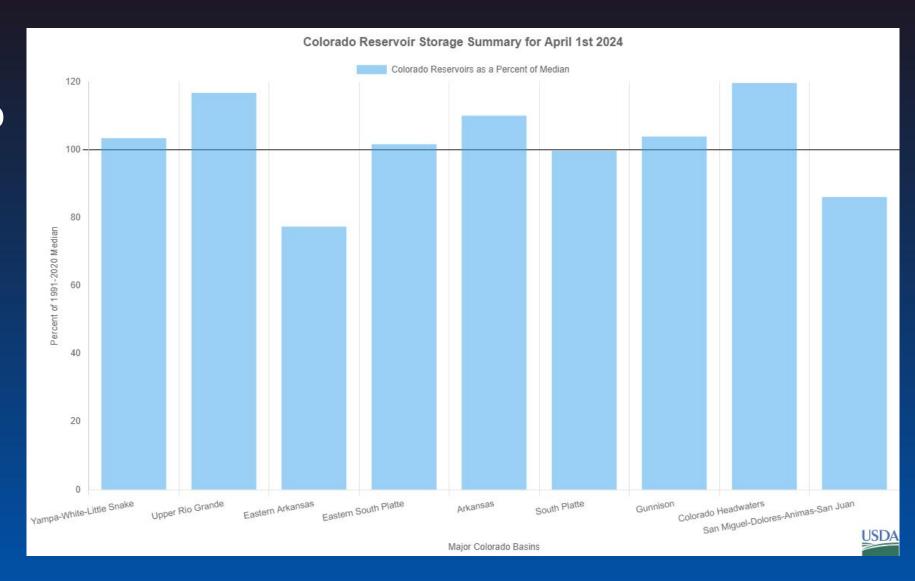
PRECIPITATION ACCUMULATION IN YAMPA-WHITE-LITTLE SNAKE



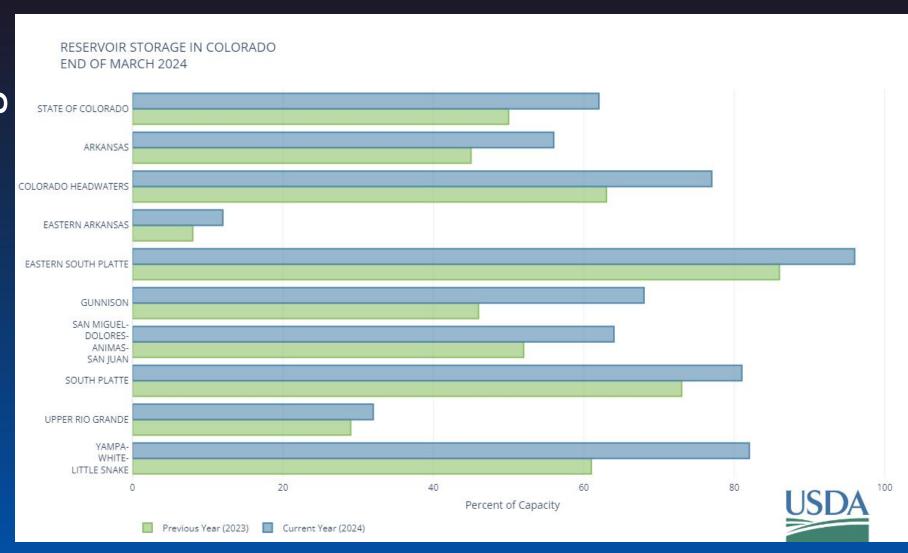




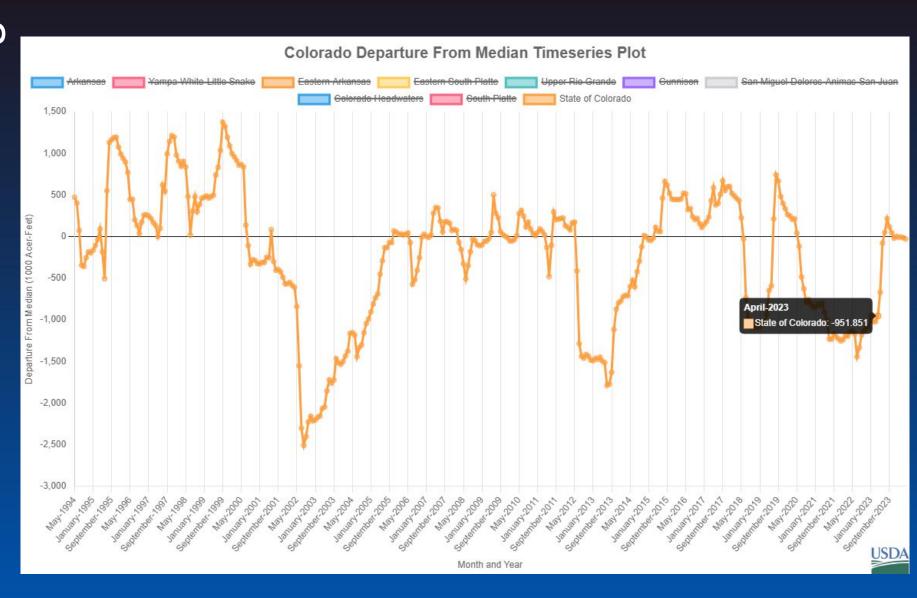




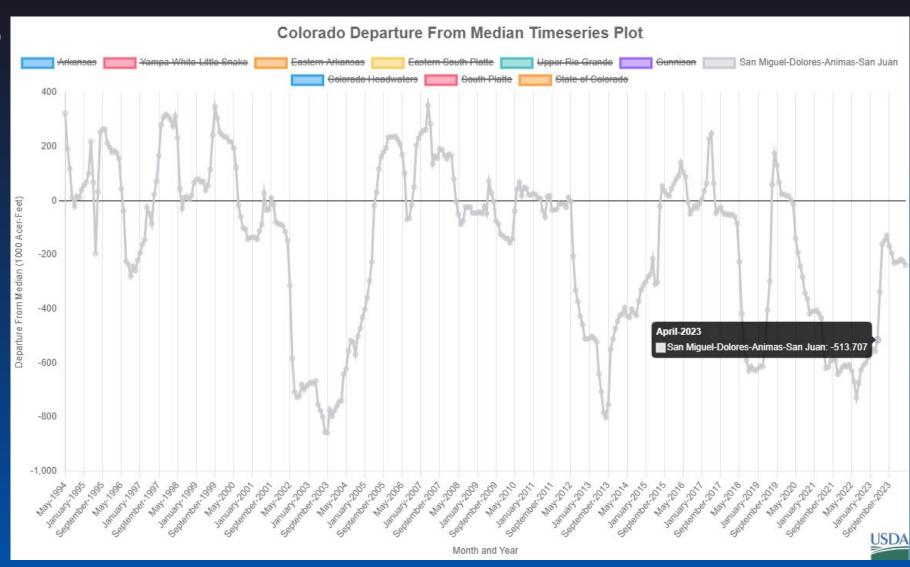




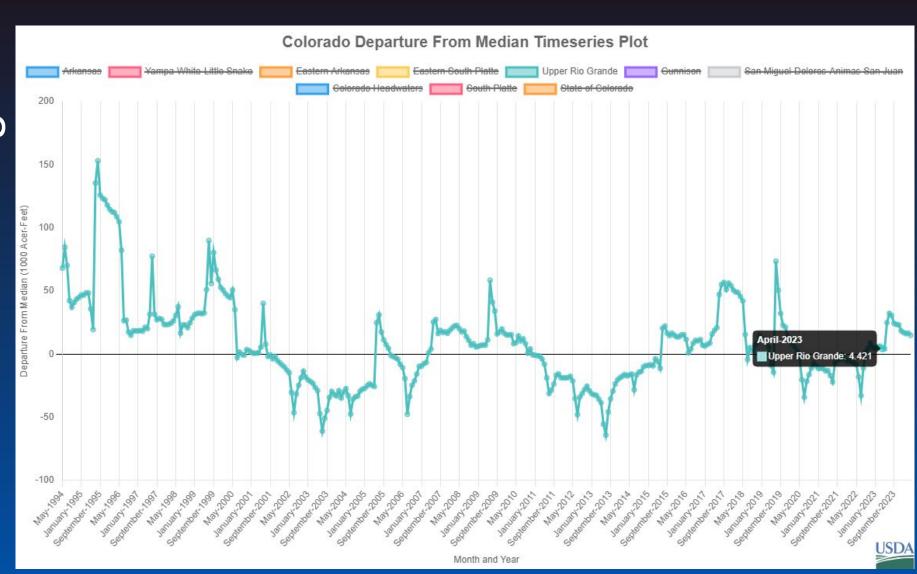


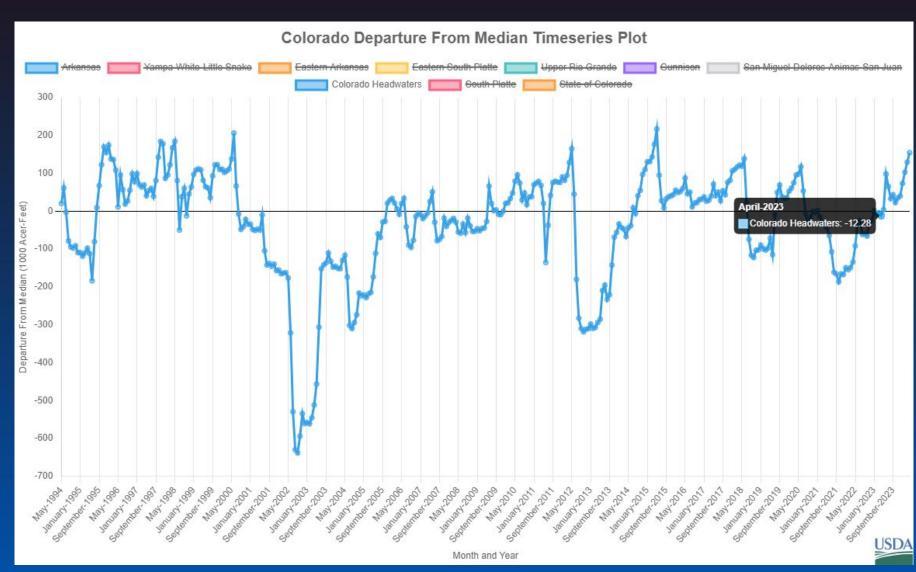




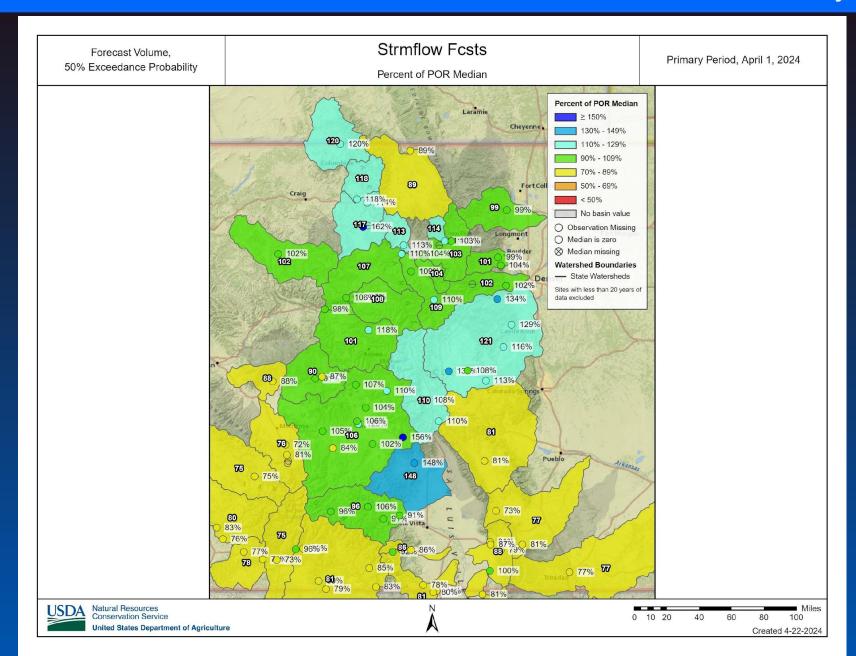




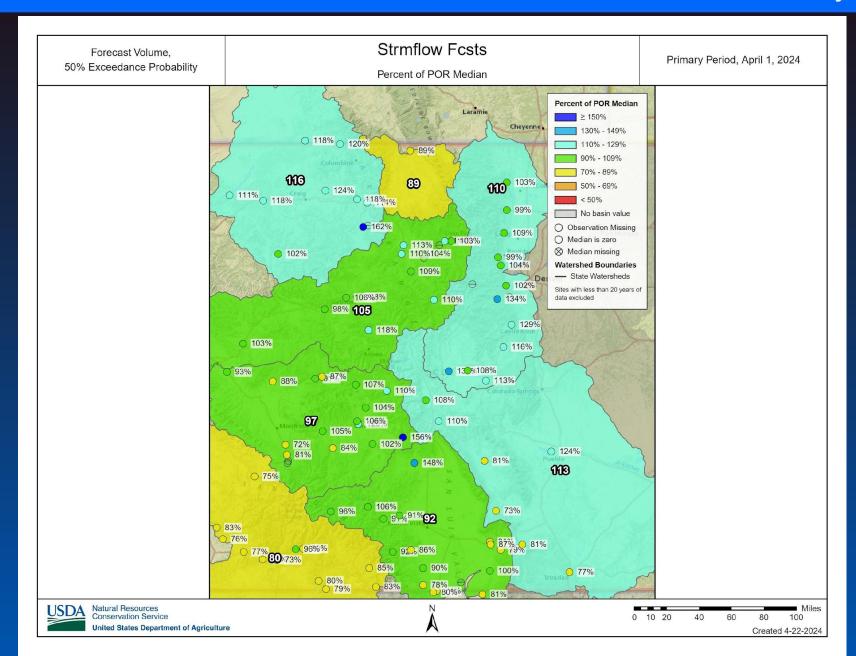




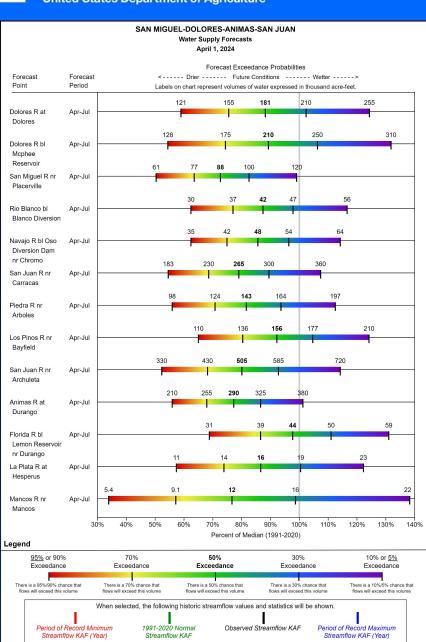




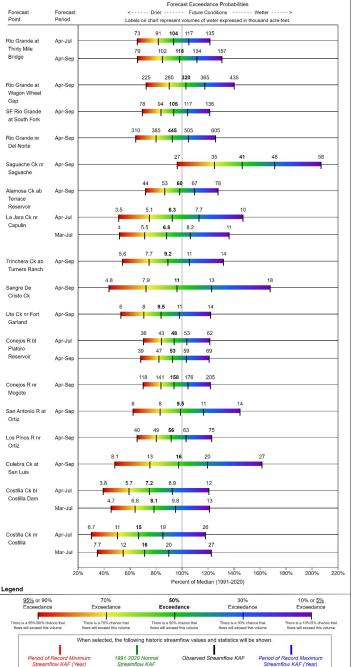








Some forecasts may be for volumes that are regulated or influenced by diversions and water management.

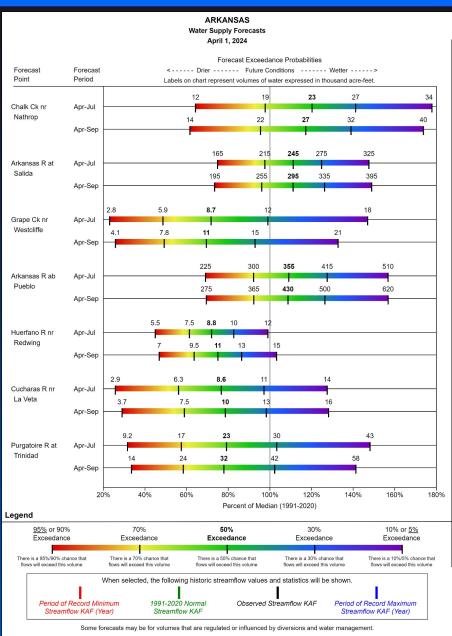


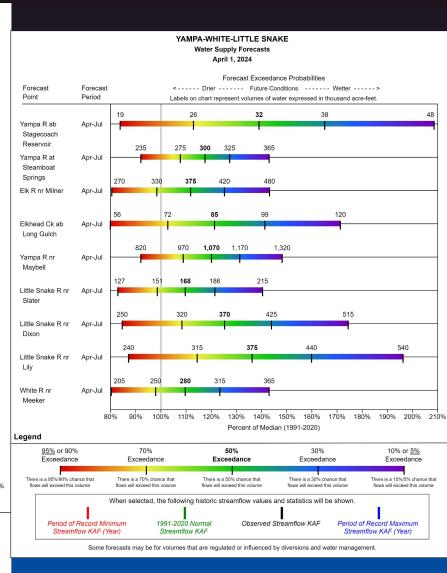
Some forecasts may be for volumes that are regulated or influenced by diversions and water management.

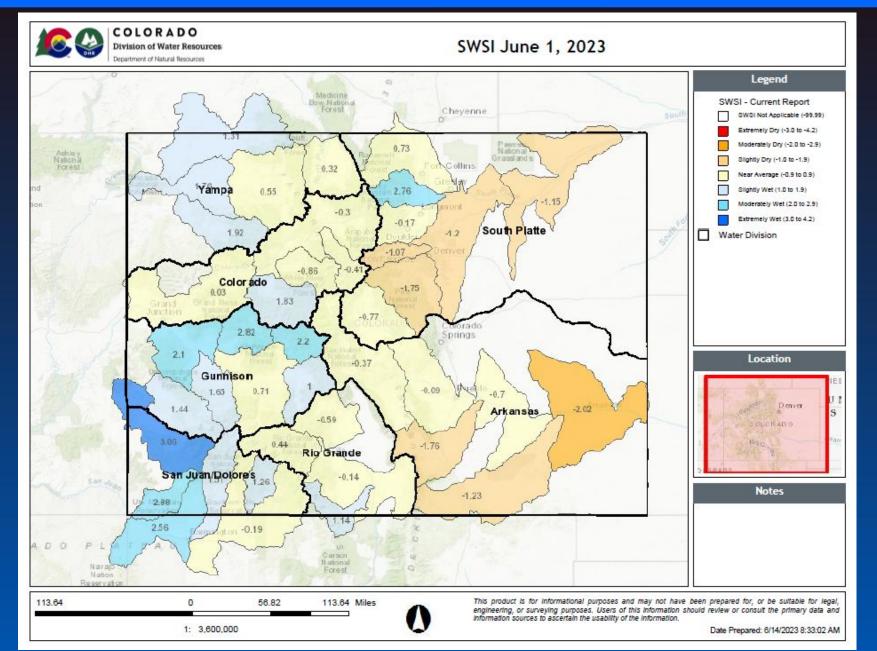
-orecasts

Streamflow

Colorado Snow Surveys









Summary

- Statewide snowpack is 95% of median.
 - Lowest basin is the SMDASJ @ 81%
- Snowpack Peaked at 98% of median.
- Northern Basins are currently right at normal
- Southern Basins are melting snow faster than usual
- Late March storm pattern helped boost snowpack
- Dry in Southern CO since 4/3
- Peak snowpack achieved in most basins, decreasing chance of peaking again in Northern CO
- Statewide reservoir storage is 99% of median
- Streamflows this summer range from below to above normal.
 - Most Southern Basins are projected for below normal runoff
 - Northern Basins are projected for near normal runoff
 - Recent dry in south point toward lower runoff.



Non-Discrimination Statement:

In accordance with Federal civil rights law and U.S. Department of agriculture (USDA) civil rights regulations and policies, the USDA, its Agencies, offices, and employees, and institutions participating in or administering USDA programs are prohibited from discriminating based on race, color, national origin, religion, sex, gender identity (including gender expression), sexual orientation, disability, age, marital status, family/parental status, income derived from a public assistance program, political beliefs, or reprisal or retaliation for prior civil rights activity, in any program or activity conducted or funded by USDA (not all bases apply to all programs). Remedies and complaint filing deadlines vary by program or incident.

Persons with disabilities who require alternative means of communication for program information (e.g., Braille, large print, audiotape, American Sign Language, etc.) should contact the responsible Agency or USDA 's TARGET Center at (202) 720-2600 (voice and TTY) or contact USDA through the Federal Relay Service at (800) 877-8339. Additionally, program information may be made available in languages other than English.

To file a program discrimination complaint, complete the USDA Program Discrimination Complaint Form, AD-3027, found online at How to File a Program Discrimination Complaint and at any USDA office or write a letter addressed to USDA and provide in the letter all of the information requested in the form. To request a copy of the complaint form, call [866) 632-9992. Submit your completed form or letter to USDA by: (1) mail: U.S. Department of Agriculture, Office of the Assistant Secretary for Civil Rights, 1400 Independence Avenue, SW, Washington, D.C. 20250-9410; (2) fax: (202) 690-7442; or (3) email: program.intake@usda.gov.



Water Conditions Monitoring Committee Meeting April 23rd, 2024

NRCS Snow Survey and Water Supply Forecasting Program

Brian Domonkos

Hydrologist

Brian.Domonkos@usda.gov

720-544-2853

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