

Colorado Climate Update

Dr. Becky Bolinger
Assistant State Climatologist

Water Availability Task Force

January 18, 2023



ATMOSPHERIC SCIENCE
COLORADO STATE UNIVERSITY

2022 Calendar year

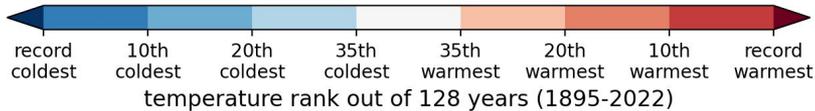
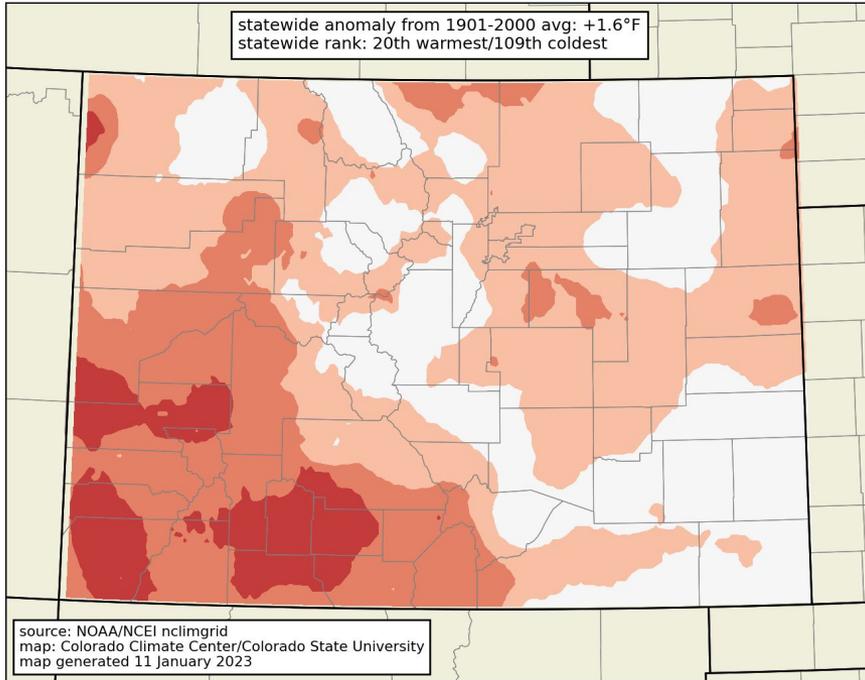
WY2023 to date

Current Conditions

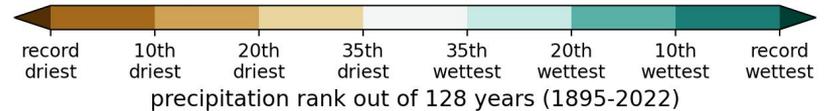
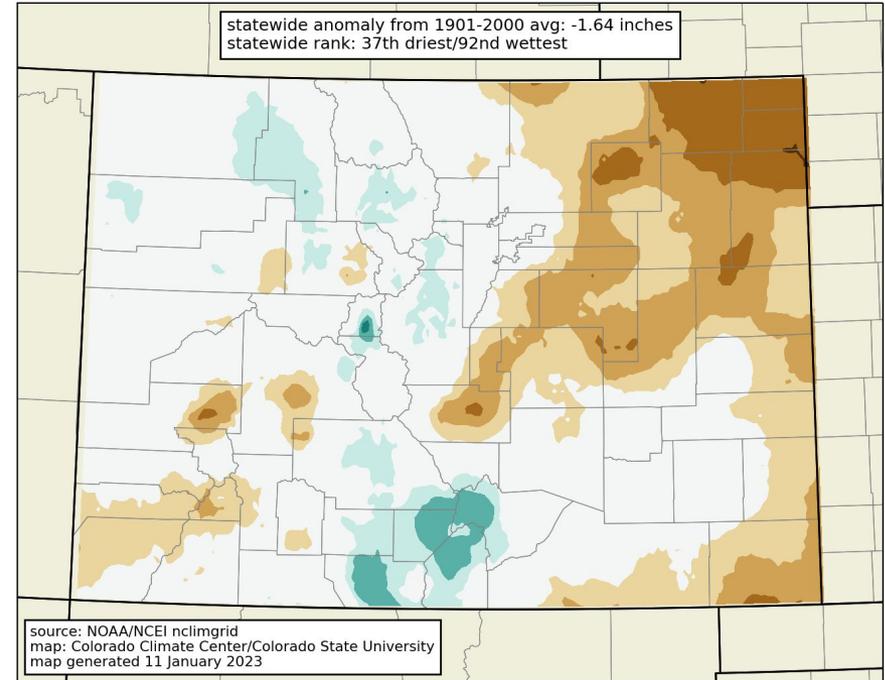


Temperature and precipitation in 2022

average temperature rank: 12 months ending December 2022 (Jan-Dec)

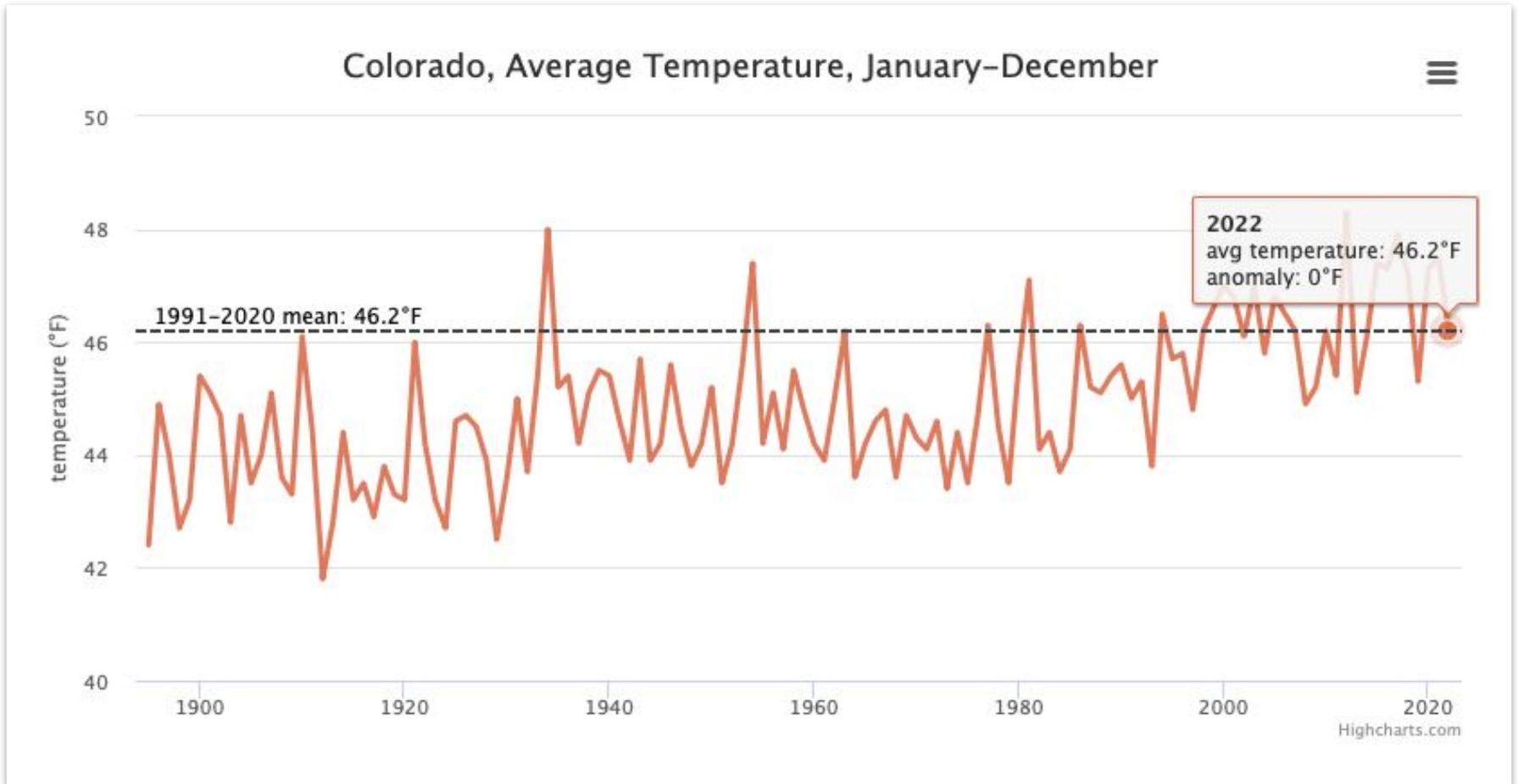


precipitation rank: 12 months ending December 2022 (Jan-Dec)



20th warmest and 37th driest year in the 128-year record.

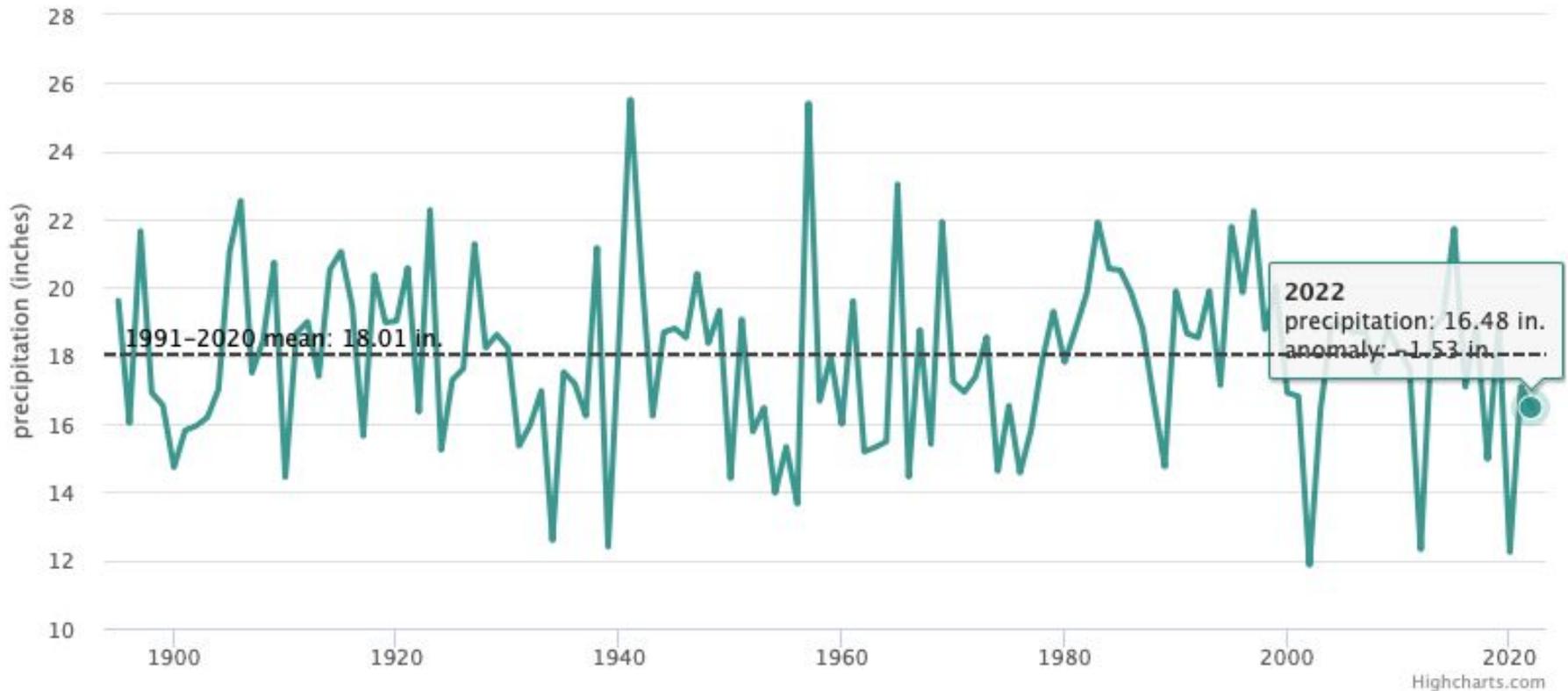
Temperature and precipitation in 2022



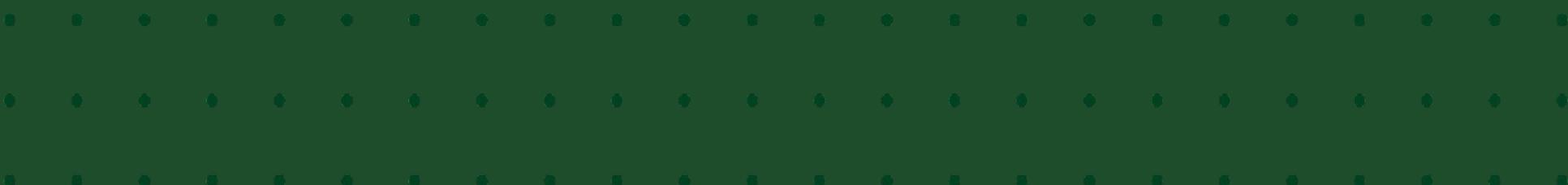
Temperature and precipitation in 2022

Colorado. Average Temperature. January-December

Colorado, Precipitation, January-December

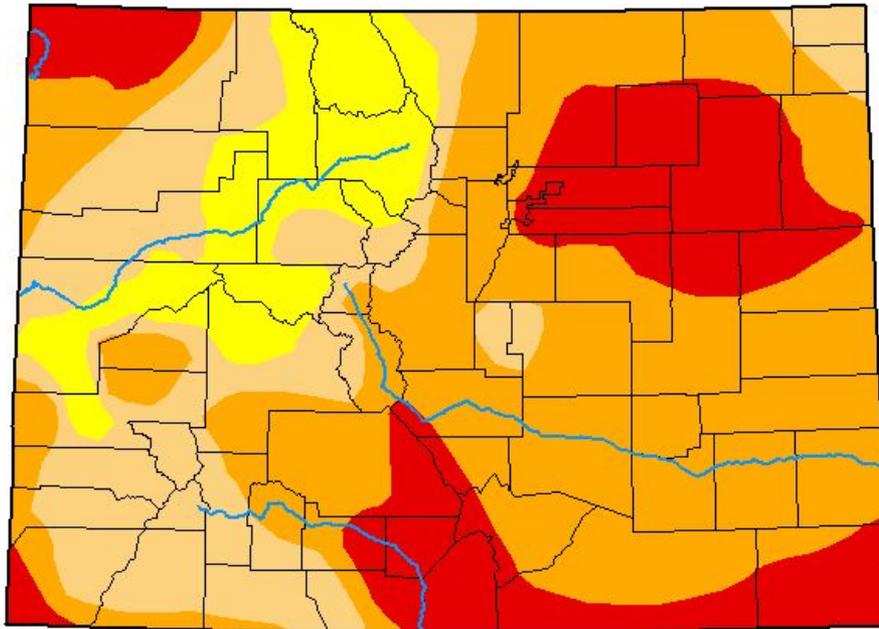


Evolution of drought through 2022



U.S. Drought Monitor Colorado

January 25, 2022
(Released Thursday, Jan. 27, 2022)
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	88.32	65.93	20.68	0.00
Last Week <i>01-18-2022</i>	0.00	100.00	88.32	65.93	19.70	0.00
3 Months Ago <i>10-26-2021</i>	4.44	95.56	74.89	29.73	11.13	1.95
Start of Calendar Year <i>01-04-2022</i>	0.00	100.00	95.49	67.08	22.25	0.00
Start of Water Year <i>09-28-2021</i>	12.72	87.28	46.42	26.30	15.05	3.91
One Year Ago <i>01-26-2021</i>	0.00	100.00	100.00	90.65	73.11	24.91

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Brad Rippey
U.S. Department of Agriculture

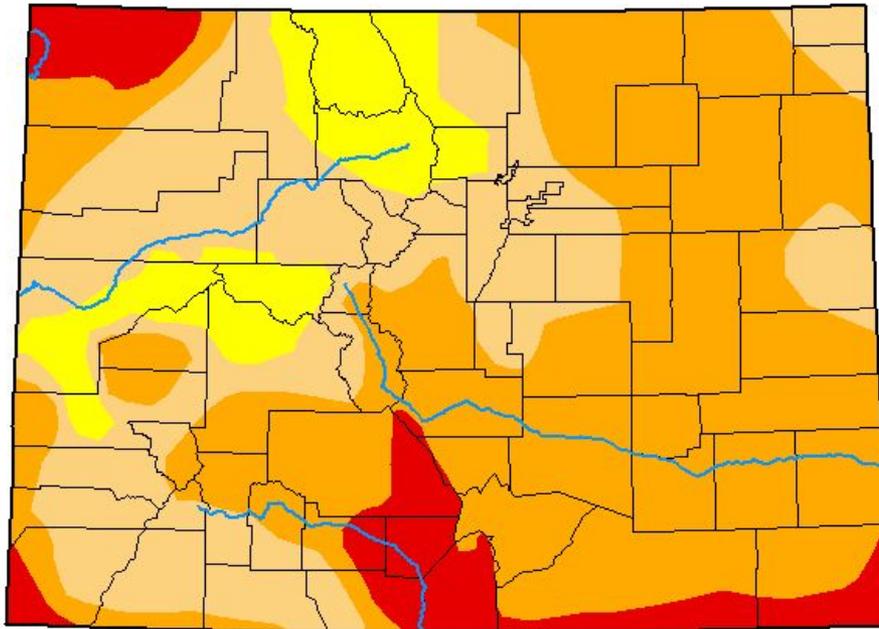


droughtmonitor.unl.edu



U.S. Drought Monitor Colorado

February 22, 2022
(Released Thursday, Feb. 24, 2022)
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	90.41	58.82	8.55	0.00
Last Week <i>02-15-2022</i>	0.00	100.00	90.41	59.81	8.55	0.00
3 Months Ago <i>11-23-2021</i>	0.00	100.00	88.10	40.83	8.75	0.00
Start of Calendar Year <i>01-04-2022</i>	0.00	100.00	95.49	67.08	22.25	0.00
Start of Water Year <i>09-28-2021</i>	12.72	87.28	46.42	26.30	15.05	3.91
One Year Ago <i>02-23-2021</i>	0.00	100.00	98.57	88.76	56.93	15.89

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:
Brad Pugh
CPC/NOAA

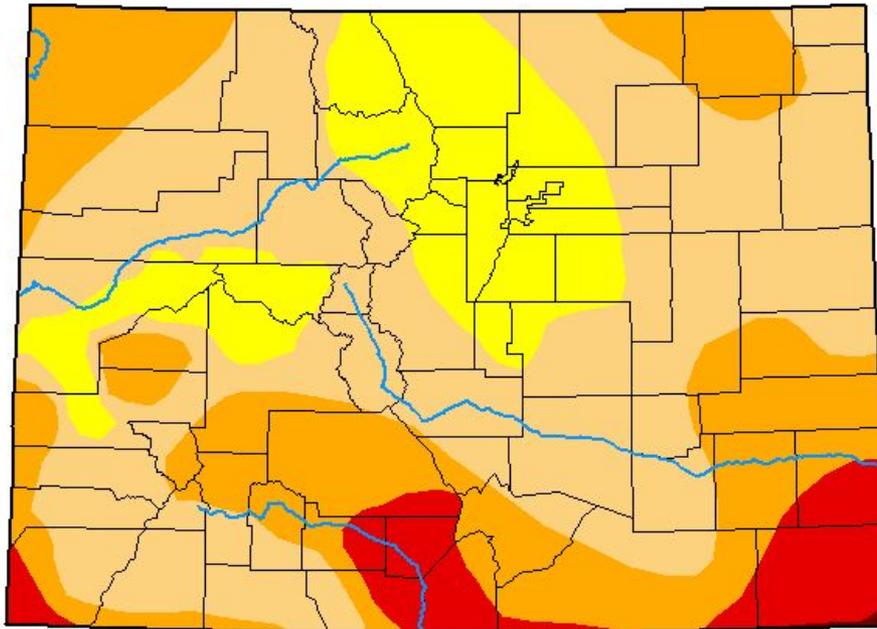


droughtmonitor.unl.edu



U.S. Drought Monitor Colorado

March 29, 2022
(Released Thursday, Mar. 31, 2022)
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	82.85	33.50	7.11	0.13
Last Week <i>03-22-2022</i>	0.00	100.00	82.83	33.50	7.11	0.13
3 Months Ago <i>12-28-2021</i>	0.00	100.00	100.00	67.27	22.21	0.00
Start of Calendar Year <i>01-04-2022</i>	0.00	100.00	95.49	67.08	22.25	0.00
Start of Water Year <i>09-28-2021</i>	12.72	87.28	46.42	26.30	15.05	3.91
One Year Ago <i>03-30-2021</i>	0.00	100.00	92.31	61.69	32.13	14.65

Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Deborah Bathke
National Drought Mitigation Center



droughtmonitor.unl.edu

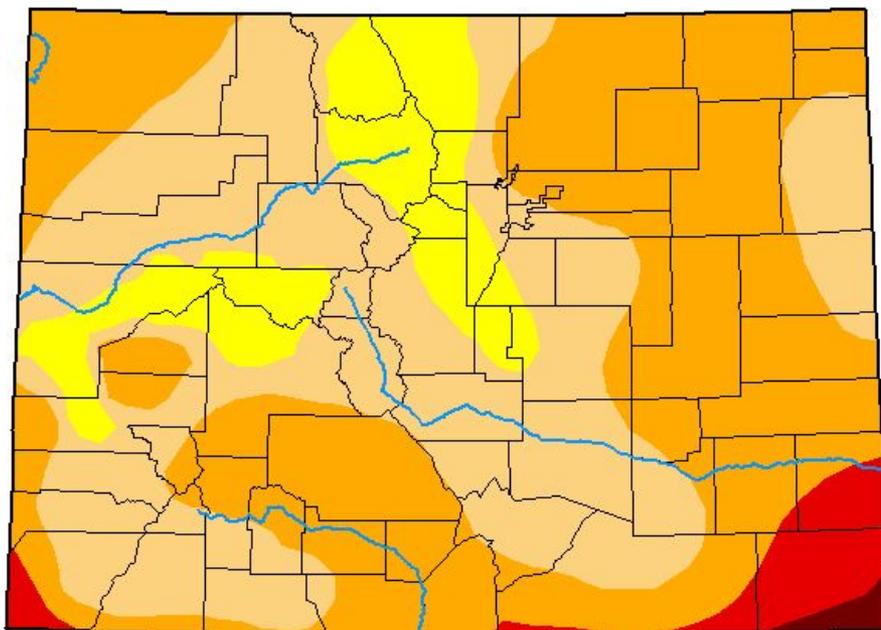


U.S. Drought Monitor Colorado

April 26, 2022
(Released Thursday, Apr. 28, 2022)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	88.57	47.62	4.46	0.53
Last Week 04-19-2022	0.00	100.00	86.78	33.13	4.45	0.53
3 Months Ago 01-25-2022	0.00	100.00	88.32	65.93	20.68	0.00
Start of Calendar Year 01-04-2022	0.00	100.00	95.49	67.08	22.25	0.00
Start of Water Year 09-28-2021	12.72	87.28	46.42	26.30	15.05	3.91
One Year Ago 04-27-2021	1.19	98.81	89.13	60.45	32.13	16.68



Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Brad Rippey
U.S. Department of Agriculture

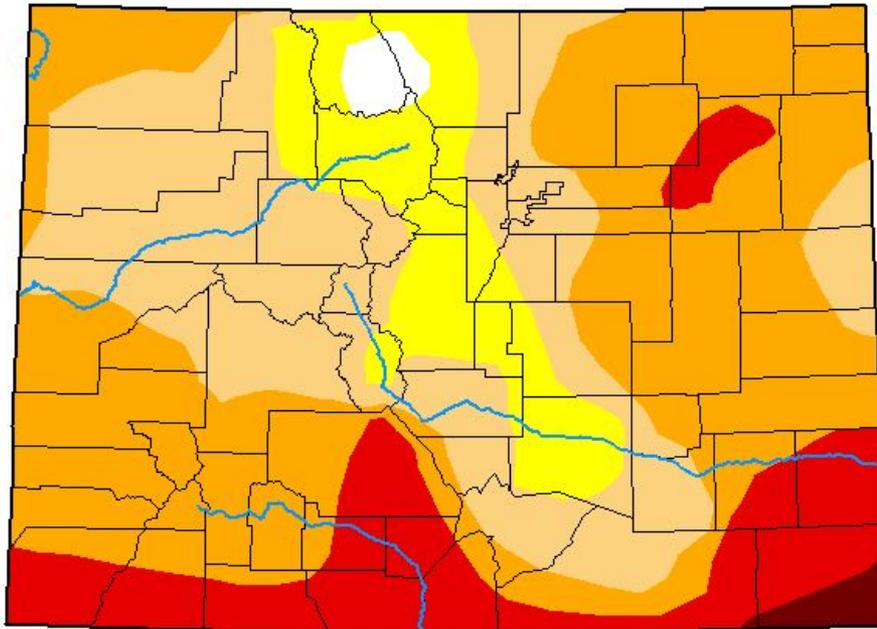


droughtmonitor.unl.edu



U.S. Drought Monitor Colorado

May 31, 2022
(Released Thursday, Jun. 2, 2022)
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	1.09	98.91	87.50	57.03	15.50	0.99
Last Week <i>05-24-2022</i>	0.00	100.00	89.73	59.61	18.12	2.61
3 Months Ago <i>03-01-2022</i>	0.00	100.00	91.57	57.26	8.27	0.09
Start of Calendar Year <i>01-04-2022</i>	0.00	100.00	95.49	67.08	22.25	0.00
Start of Water Year <i>09-28-2021</i>	12.72	87.28	46.42	26.30	15.05	3.91
One Year Ago <i>06-01-2021</i>	51.10	48.90	43.36	35.53	29.15	16.39

Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Curtis Riganti
National Drought Mitigation Center

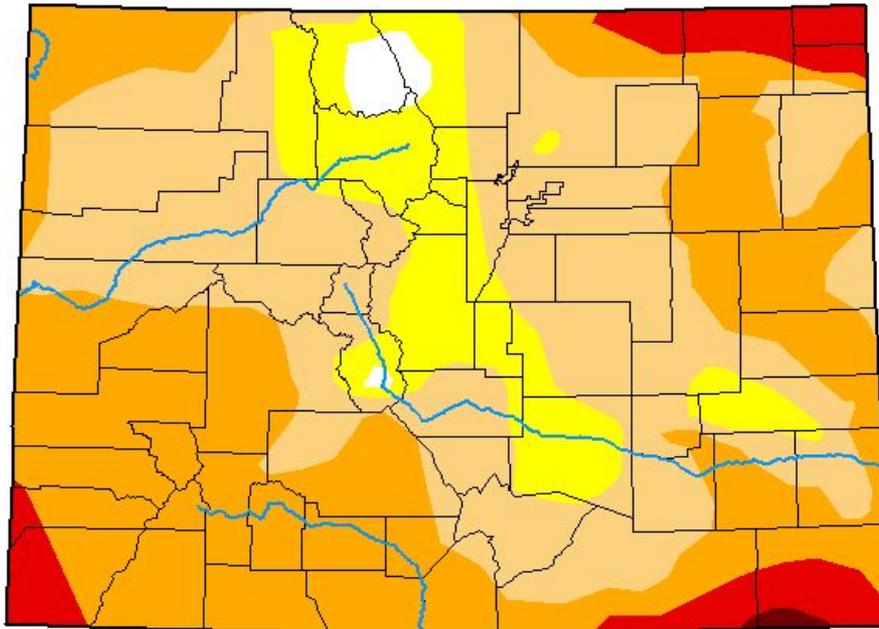


droughtmonitor.unl.edu



U.S. Drought Monitor Colorado

June 28, 2022
(Released Thursday, Jun. 30, 2022)
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	1.17	98.83	86.07	44.87	5.90	0.23
Last Week <i>06-21-2022</i>	1.09	98.91	81.55	43.08	12.76	0.23
3 Months Ago <i>03-29-2022</i>	0.00	100.00	82.85	33.50	7.11	0.13
Start of Calendar Year <i>01-04-2022</i>	0.00	100.00	95.49	67.08	22.25	0.00
Start of Water Year <i>09-28-2021</i>	12.72	87.28	46.42	26.30	15.05	3.91
One Year Ago <i>06-29-2021</i>	54.48	45.52	41.62	36.37	29.95	17.52

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Curtis Riganti
National Drought Mitigation Center



droughtmonitor.unl.edu

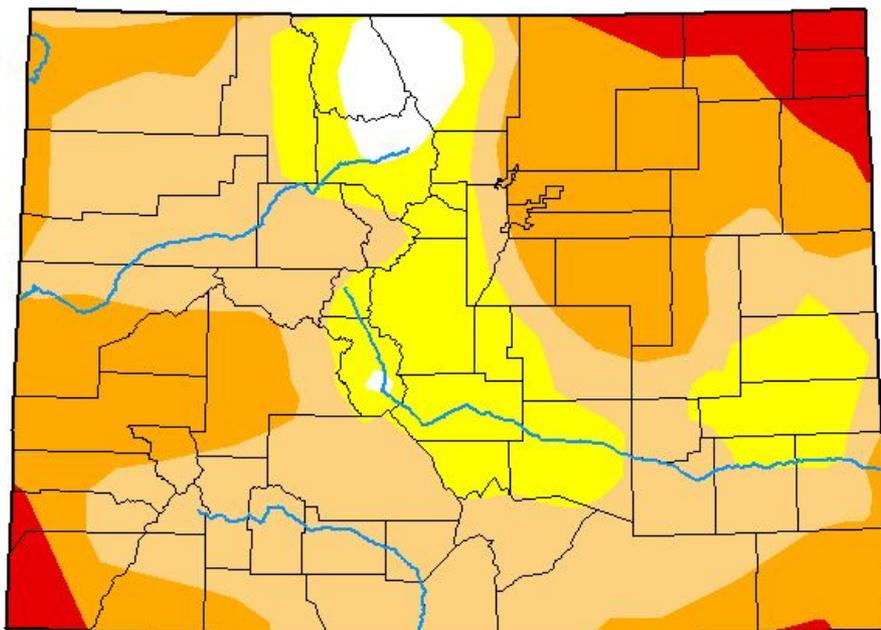


U.S. Drought Monitor Colorado

July 26, 2022
(Released Thursday, Jul. 28, 2022)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	2.78	97.22	79.49	37.00	4.95	0.00
Last Week <i>07-19-2022</i>	2.78	97.22	82.26	40.36	4.91	0.00
3 Months Ago <i>04-26-2022</i>	0.00	100.00	88.57	47.62	4.46	0.53
Start of Calendar Year <i>01-04-2022</i>	0.00	100.00	95.49	67.08	22.25	0.00
Start of Water Year <i>09-28-2021</i>	12.72	87.28	46.42	26.30	15.05	3.91
One Year Ago <i>07-27-2021</i>	56.19	43.81	38.16	32.98	26.82	15.43



Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Curtis Riganti
National Drought Mitigation Center

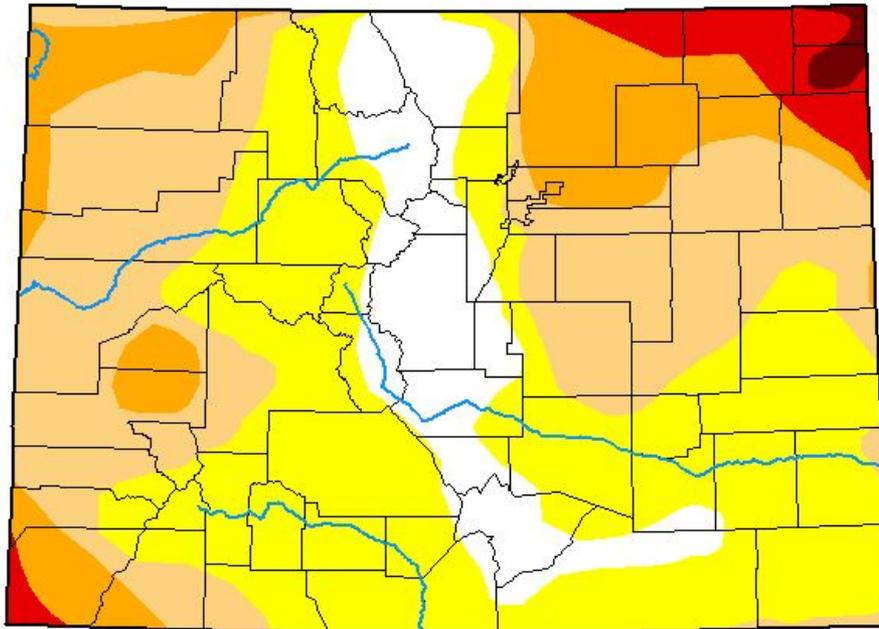


droughtmonitor.unl.edu



U.S. Drought Monitor Colorado

August 30, 2022
(Released Thursday, Sep. 1, 2022)
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	13.14	86.86	46.41	16.96	4.17	0.59
Last Week <i>08-23-2022</i>	12.67	87.33	56.65	22.68	4.70	0.58
3 Months Ago <i>05-31-2022</i>	1.09	98.91	87.50	57.03	15.50	0.99
Start of Calendar Year <i>01-04-2022</i>	0.00	100.00	95.49	67.08	22.25	0.00
Start of Water Year <i>09-28-2021</i>	12.72	87.28	46.42	26.30	15.05	3.91
One Year Ago <i>08-31-2021</i>	49.43	50.57	36.47	24.44	15.05	3.91

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Deborah Bathke
National Drought Mitigation Center



droughtmonitor.unl.edu



U.S. Drought Monitor Colorado

September 27, 2022

(Released Thursday, Sep. 29, 2022)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	15.46	84.54	45.65	15.47	3.73	0.57
Last Week 09-20-2022	15.72	84.28	47.84	17.53	3.91	0.57
3 Months Ago 06-28-2022	1.17	98.83	86.07	44.87	5.90	0.23
Start of Calendar Year 01-04-2022	0.00	100.00	95.49	67.08	22.25	0.00
Start of Water Year 09-28-2021	12.72	87.28	46.42	26.30	15.05	3.91
One Year Ago 09-28-2021	12.72	87.28	46.42	26.30	15.05	3.91

Intensity:



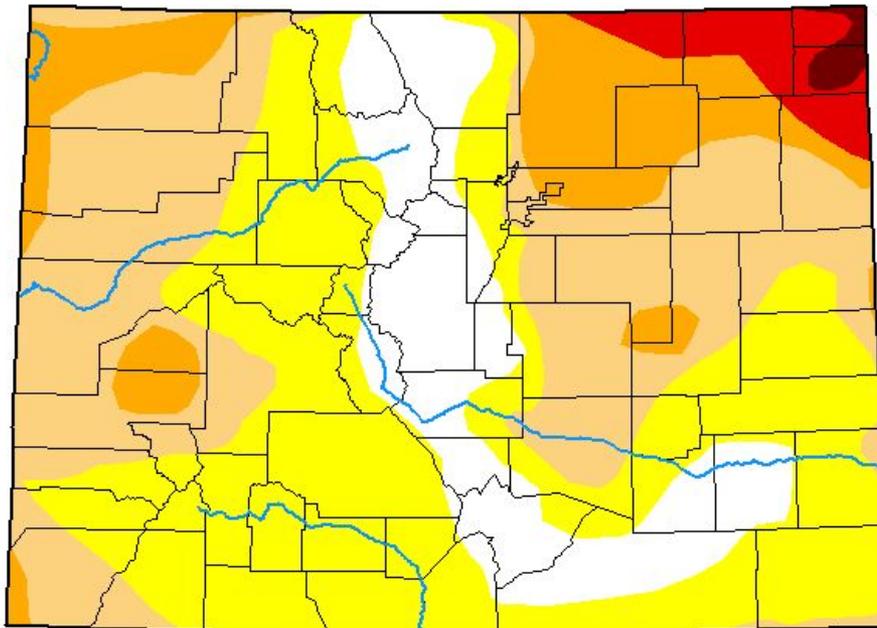
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Richard Heim
NCEI/NOAA

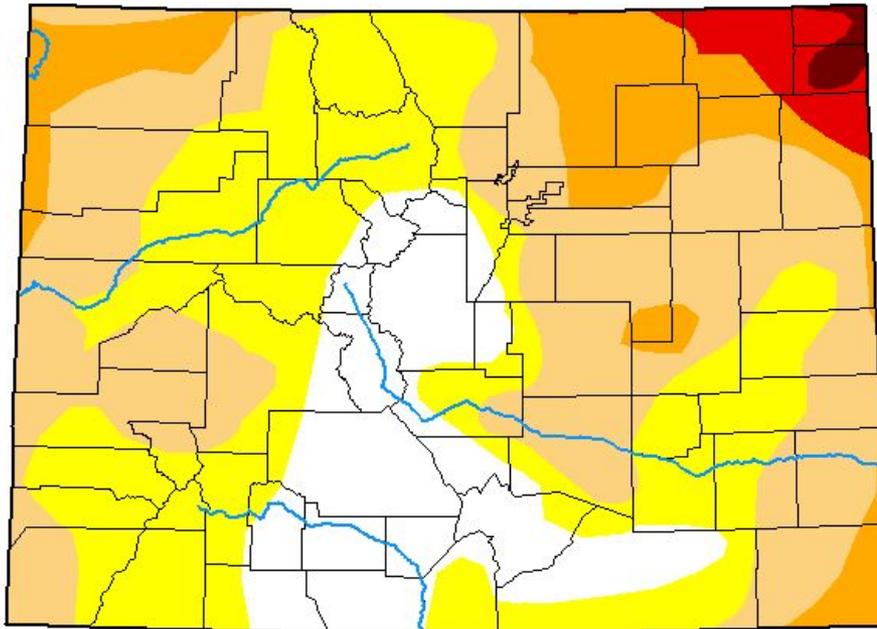


droughtmonitor.unl.edu



U.S. Drought Monitor Colorado

October 25, 2022
(Released Thursday, Oct. 27, 2022)
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	17.78	82.22	48.66	14.56	3.13	0.57
Last Week <i>10-18-2022</i>	23.00	77.00	43.01	14.02	3.09	0.57
3 Months Ago <i>07-26-2022</i>	2.78	97.22	79.49	37.00	4.95	0.00
Start of Calendar Year <i>01-04-2022</i>	0.00	100.00	95.49	67.08	22.25	0.00
Start of Water Year <i>09-27-2022</i>	15.46	84.54	45.65	15.47	3.73	0.57
One Year Ago <i>10-26-2021</i>	4.44	95.56	74.89	29.73	11.13	1.95

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Adam Hartman
NOAA/NWS/NCEP/CPC



droughtmonitor.unl.edu



U.S. Drought Monitor Colorado

November 29, 2022
(Released Thursday, Dec. 1, 2022)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	16.25	83.75	47.20	23.68	4.34	0.57
Last Week <i>11-22-2022</i>	16.27	83.73	49.35	25.20	4.34	0.57
3 Months Ago <i>08-30-2022</i>	13.14	86.86	46.41	16.96	4.17	0.59
Start of Calendar Year <i>01-04-2022</i>	0.00	100.00	95.49	67.08	22.25	0.00
Start of Water Year <i>09-27-2022</i>	15.46	84.54	45.65	15.47	3.73	0.57
One Year Ago <i>11-30-2021</i>	0.00	100.00	95.45	52.30	14.34	0.00

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

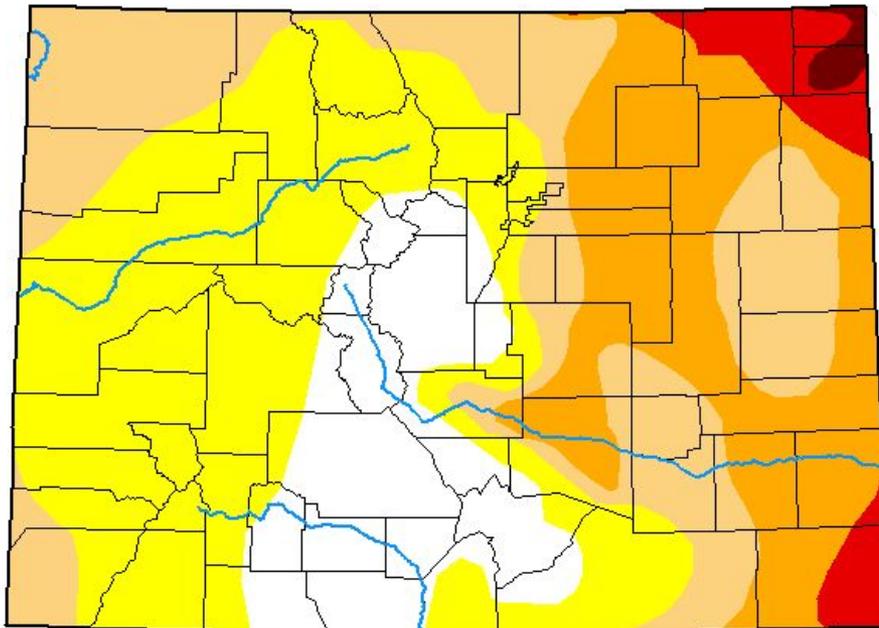
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

David Simeral
Western Regional Climate Center

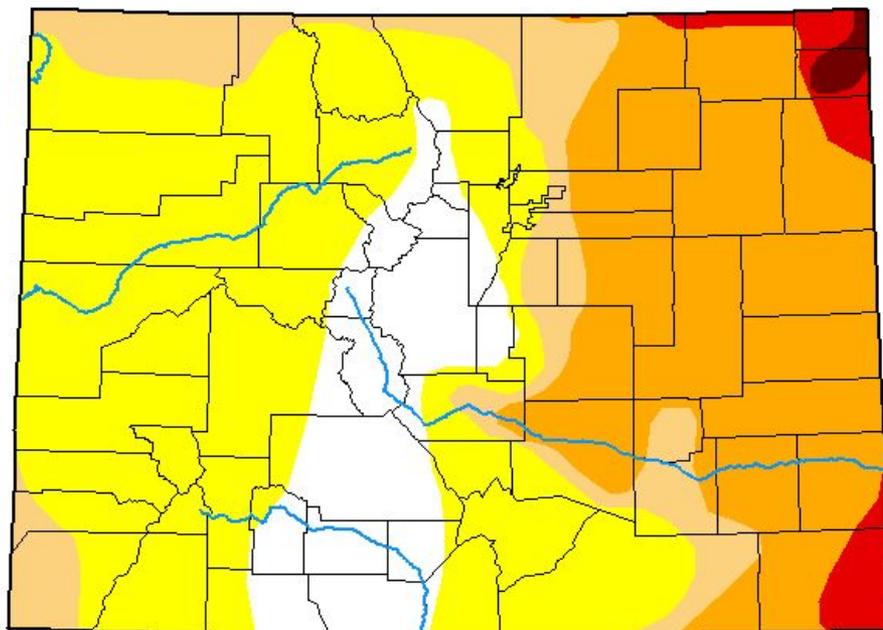


droughtmonitor.unl.edu



U.S. Drought Monitor Colorado

December 27, 2022
(Released Thursday, Dec. 29, 2022)
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	13.75	86.25	42.37	30.79	3.23	0.53
Last Week 12-20-2022	16.26	83.74	43.34	30.79	3.23	0.53
3 Months Ago 09-27-2022	15.46	84.54	45.65	15.47	3.73	0.57
Start of Calendar Year 01-04-2022	0.00	100.00	95.49	67.08	22.25	0.00
Start of Water Year 09-27-2022	15.46	84.54	45.65	15.47	3.73	0.57
One Year Ago 12-28-2021	0.00	100.00	100.00	67.27	22.21	0.00

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:
Richard Heim
NCEI/NOAA

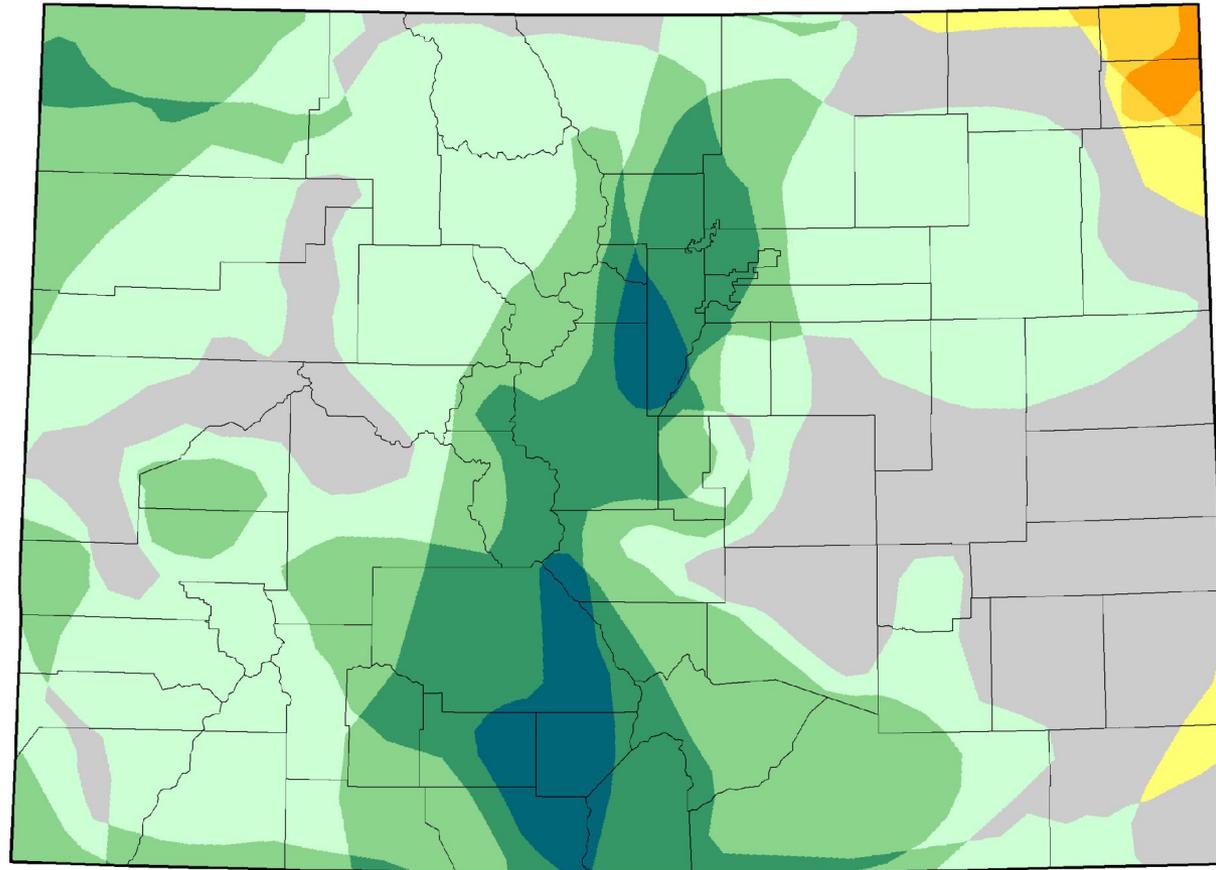


droughtmonitor.unl.edu



U.S. Drought Monitor Class Change - Colorado

Start of Calendar Year



December 27, 2022
compared to
January 4, 2022

droughtmonitor.unl.edu



- 5 Class Degradation
- 4 Class Degradation
- 3 Class Degradation
- 2 Class Degradation
- 1 Class Degradation
- No Change
- 1 Class Improvement
- 2 Class Improvement
- 3 Class Improvement
- 4 Class Improvement
- 5 Class Improvement

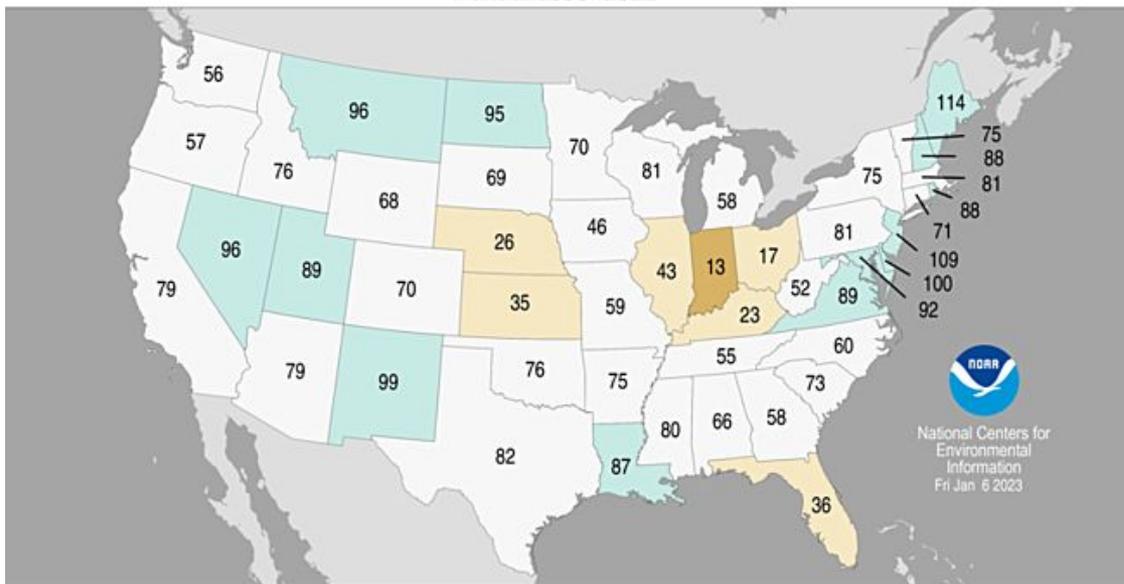


Water Year 2023 so far...

Statewide Precipitation Ranks

October – December 2022

Period: 1895–2022

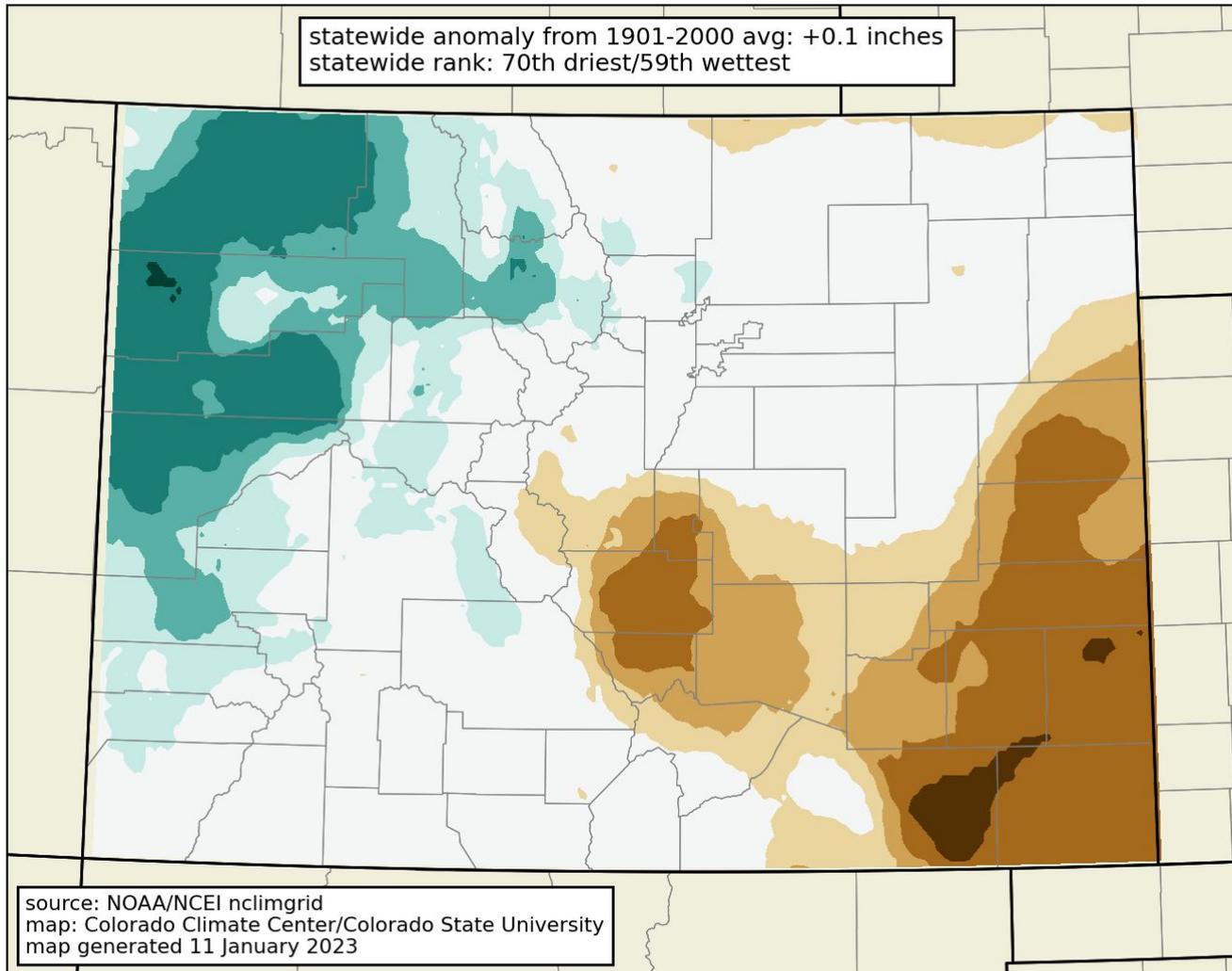


Month	P Rank (of 128 years)	Above, below, or near 20 th century avg?
Oct	62 nd driest	near avg
Nov	52 nd driest	near avg
Dec	20 th wettest	above
Jan		
Feb		
Mar		
Apr		
May		
Jun		
Jul		
Aug		
Sep		

<https://www.ncdc.noaa.gov/temp-and-precip/us-maps/>



precipitation rank: 3 months ending December 2022 (Oct-Dec)



precipitation rank out of 128 years (1895-2022)

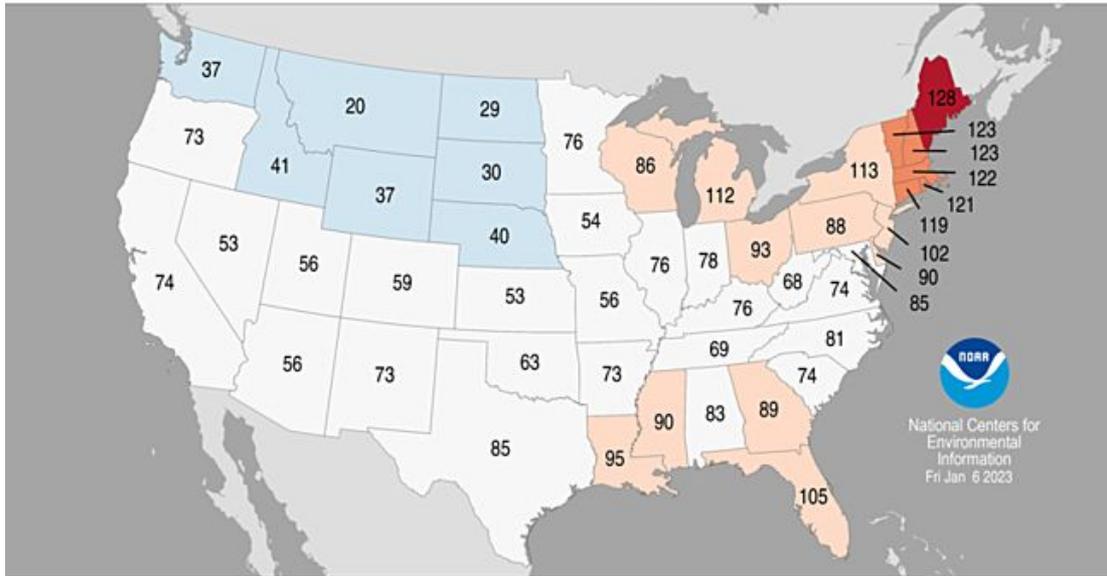
https://climate.colostate.edu/co_cag/rank_maps.html



Statewide Average Temperature Ranks

October - December 2022

Period: 1895-2022



National Centers for Environmental Information
Fri Jan 6 2023

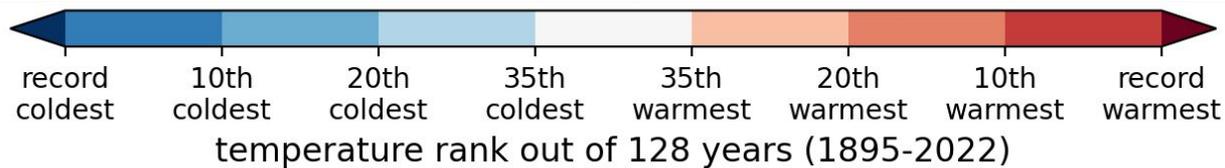
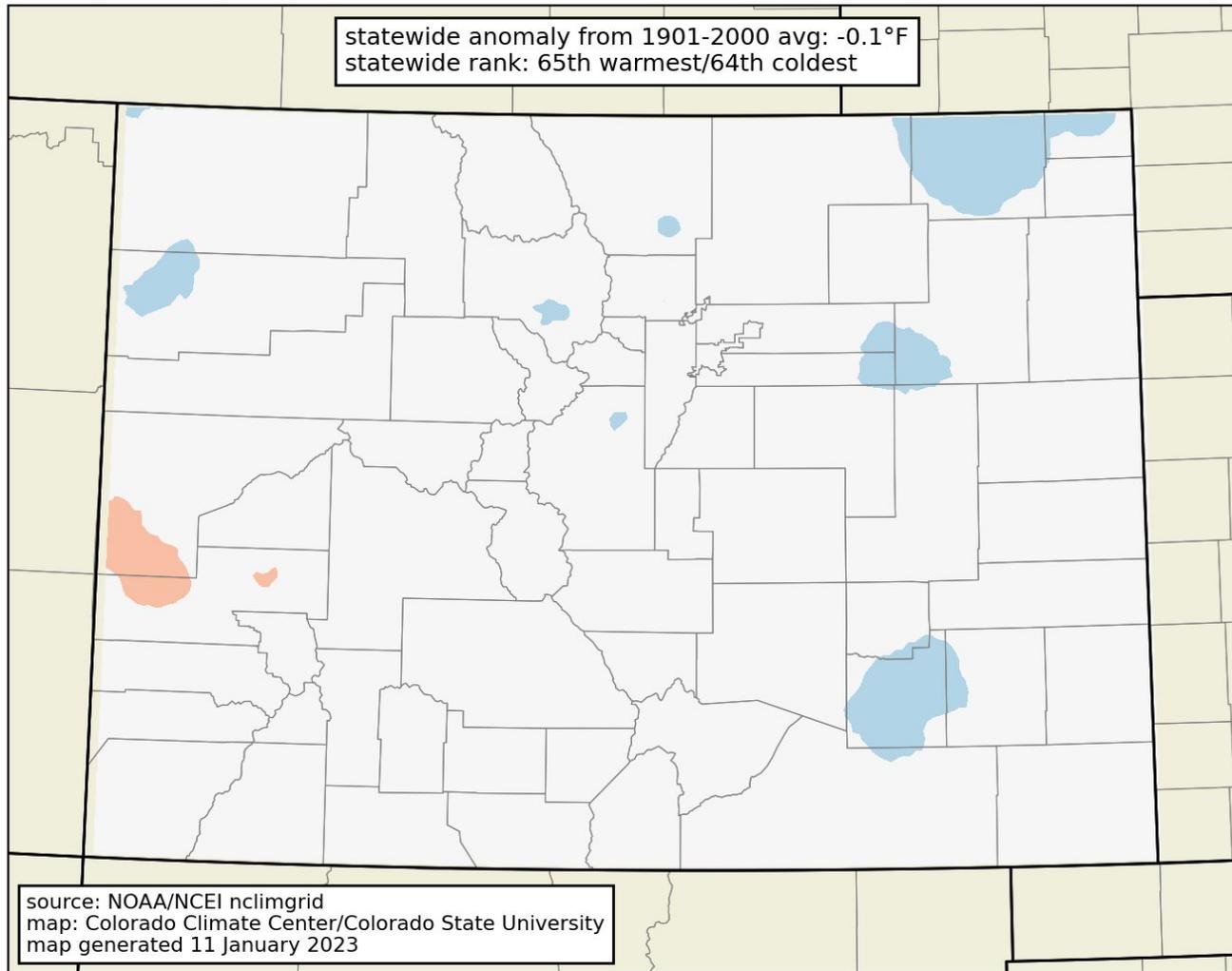


Month	T Rank (of 127 years)	Above, below, or near 20 th century avg?
Oct	45 th warmest	near avg
Nov	31 st coolest	below
Dec	62 nd warmest	near avg
Jan		
Feb		
Mar		
Apr		
May		
Jun		
Jul		
Aug		
Sep		

<https://www.ncdc.noaa.gov/temp-and-precip/us-maps/>



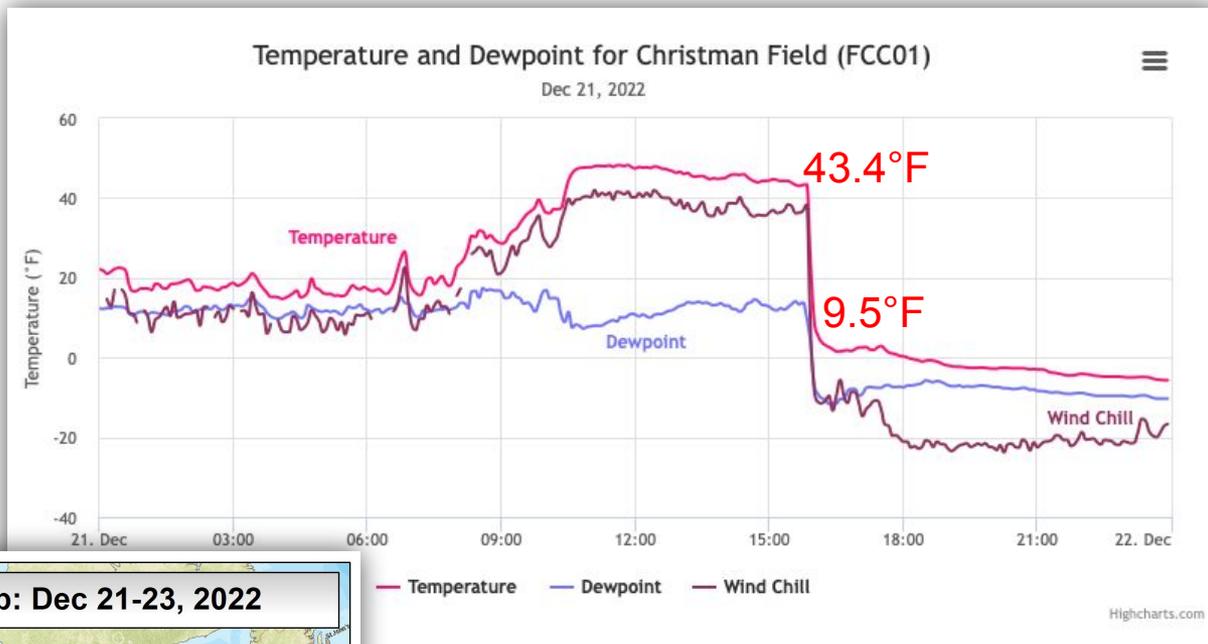
average temperature rank: 3 months ending December 2022 (Oct-Dec)



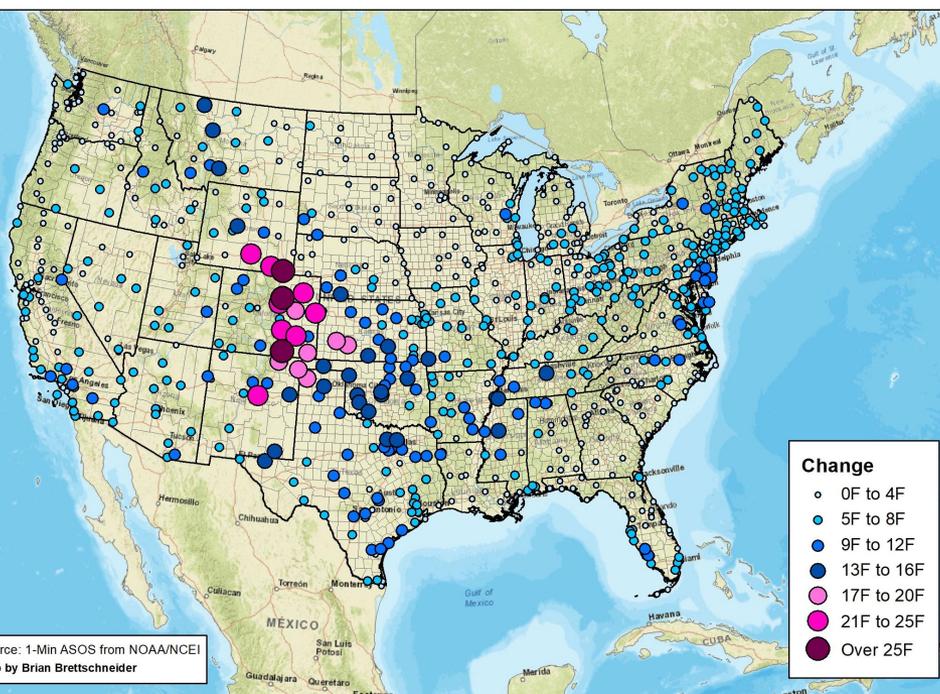
https://climate.colostate.edu/co_cag/rank_maps.html



December cold front



Maximum 10-Minute Temperature Drop: Dec 21-23, 2022



From 3:50 – 4:00pm, the Christman Field station dropped from 43.4°F to 9.5°F. That's a drop of 33.9°F in 10 minutes!

Courtesy Brian Brettschneider

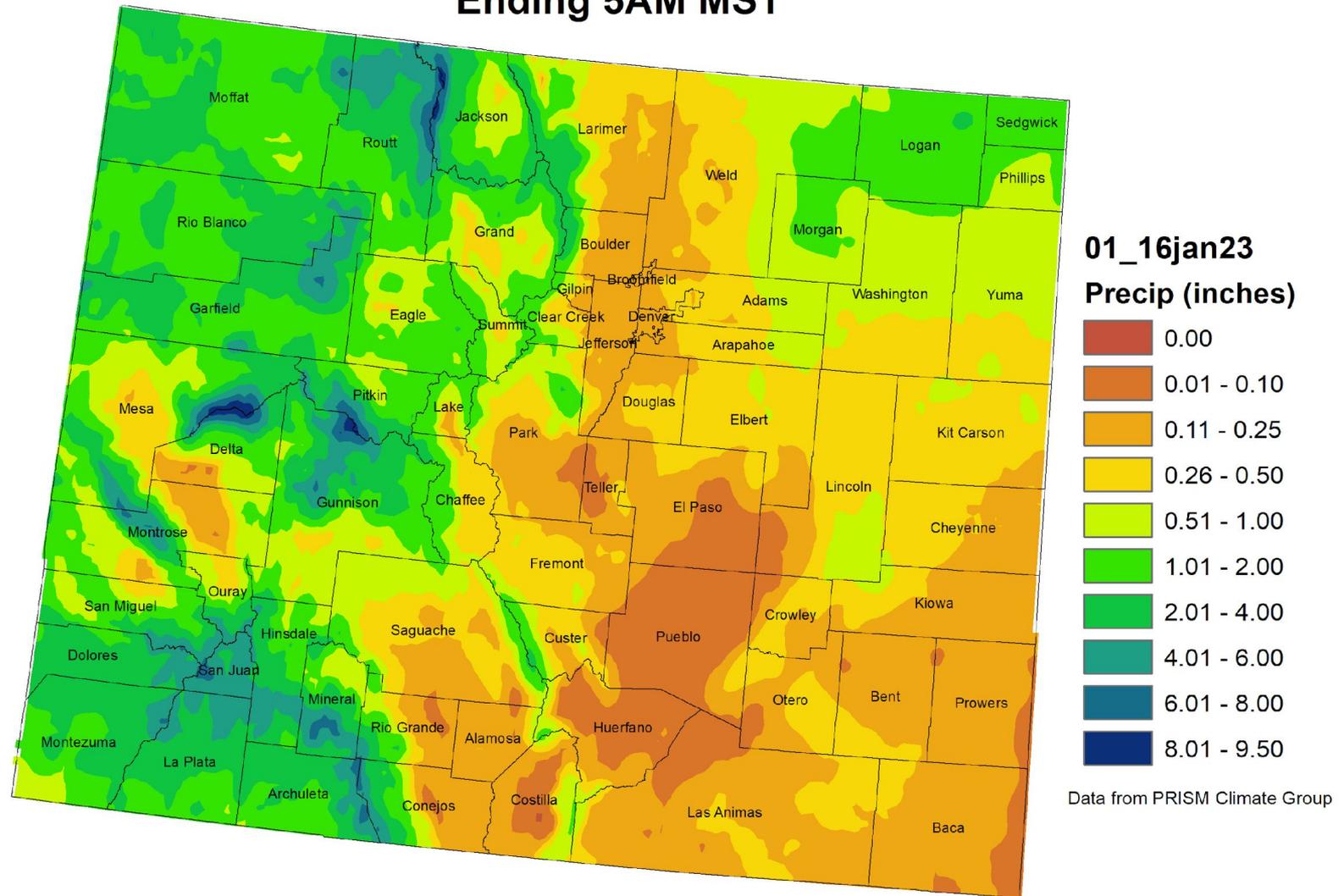




Current Conditions



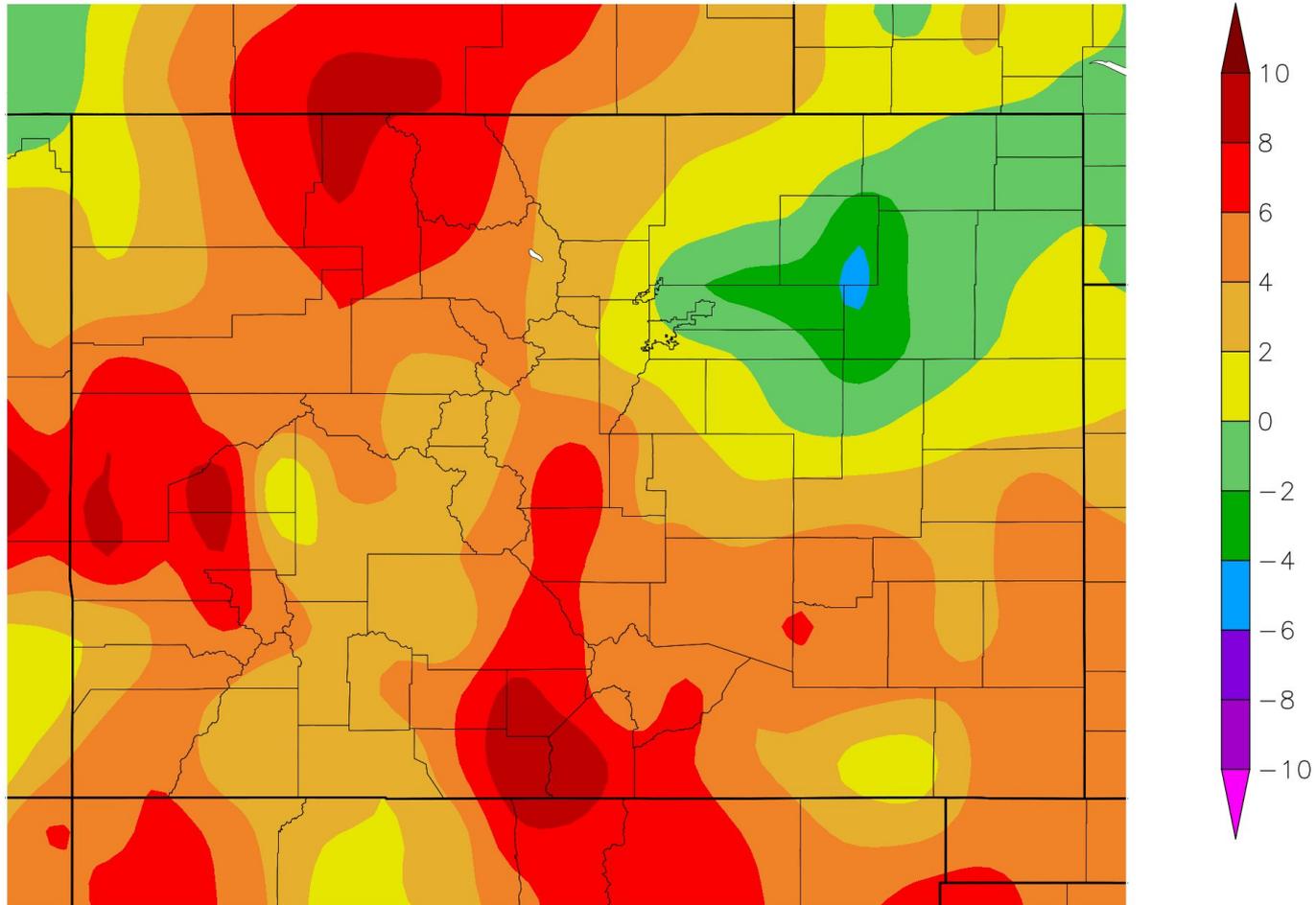
Colorado Month to Date Precipitation 1 - 16 January 2023 Ending 5AM MST



<https://climate.colostate.edu/drought/>



Departure from Normal Temperature (F) 1/1/2023 - 1/16/2023



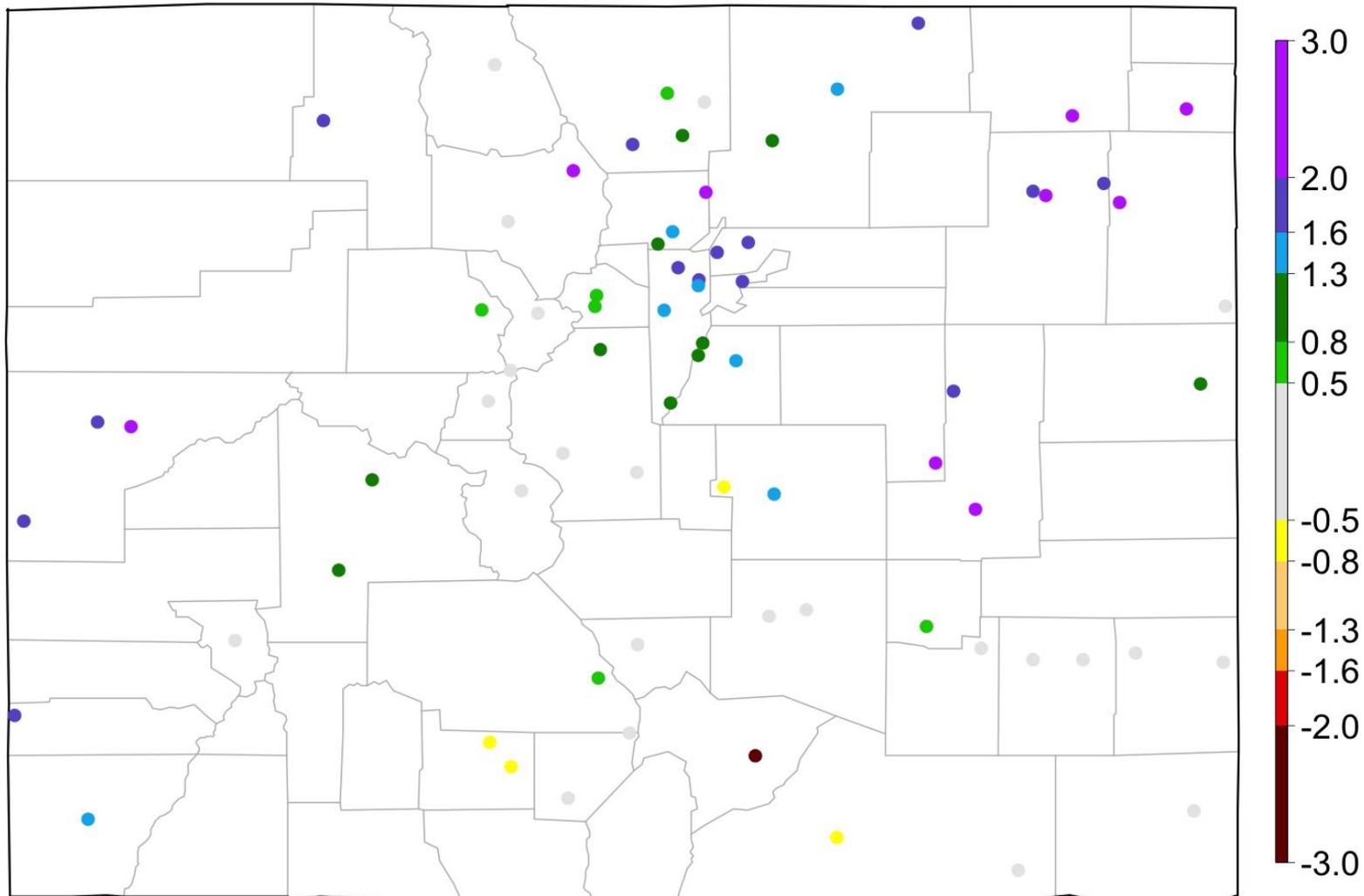
Generated 1/17/2023 at HPRCC using provisional data.

NOAA Regional Climate Centers

<https://hprcc.unl.edu/products/maps/acis/hprcc/co/MonthTDeptHPRCC-CO.png>



30-day SPI: 2022/12/18 - 2023/01/16

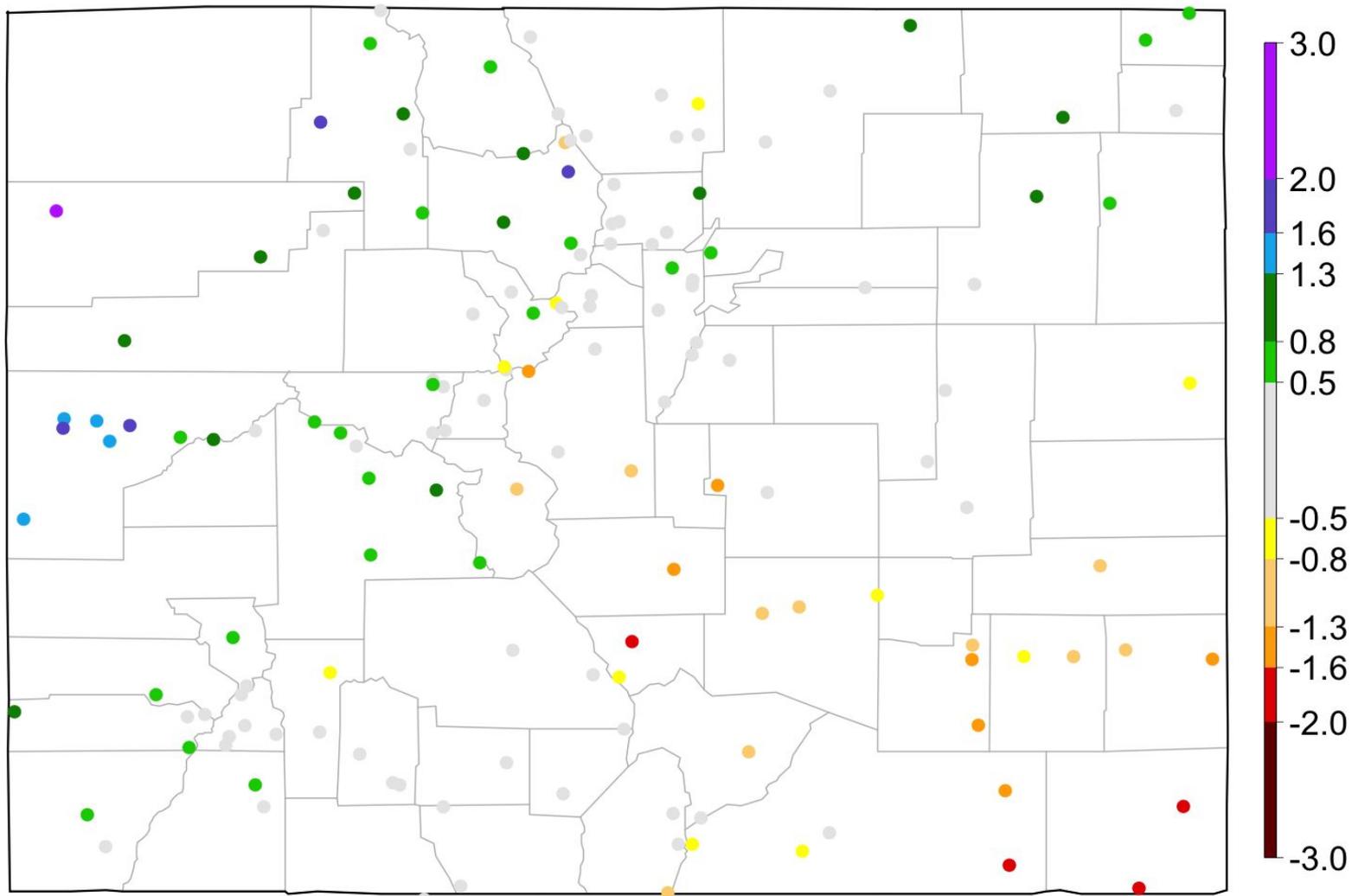


Data from High Plains Regional Climate Center and ACIS

<https://climate.colostate.edu/drought/>



Water-year-to-date SPI: 2022/10/01 - 2023/01/16

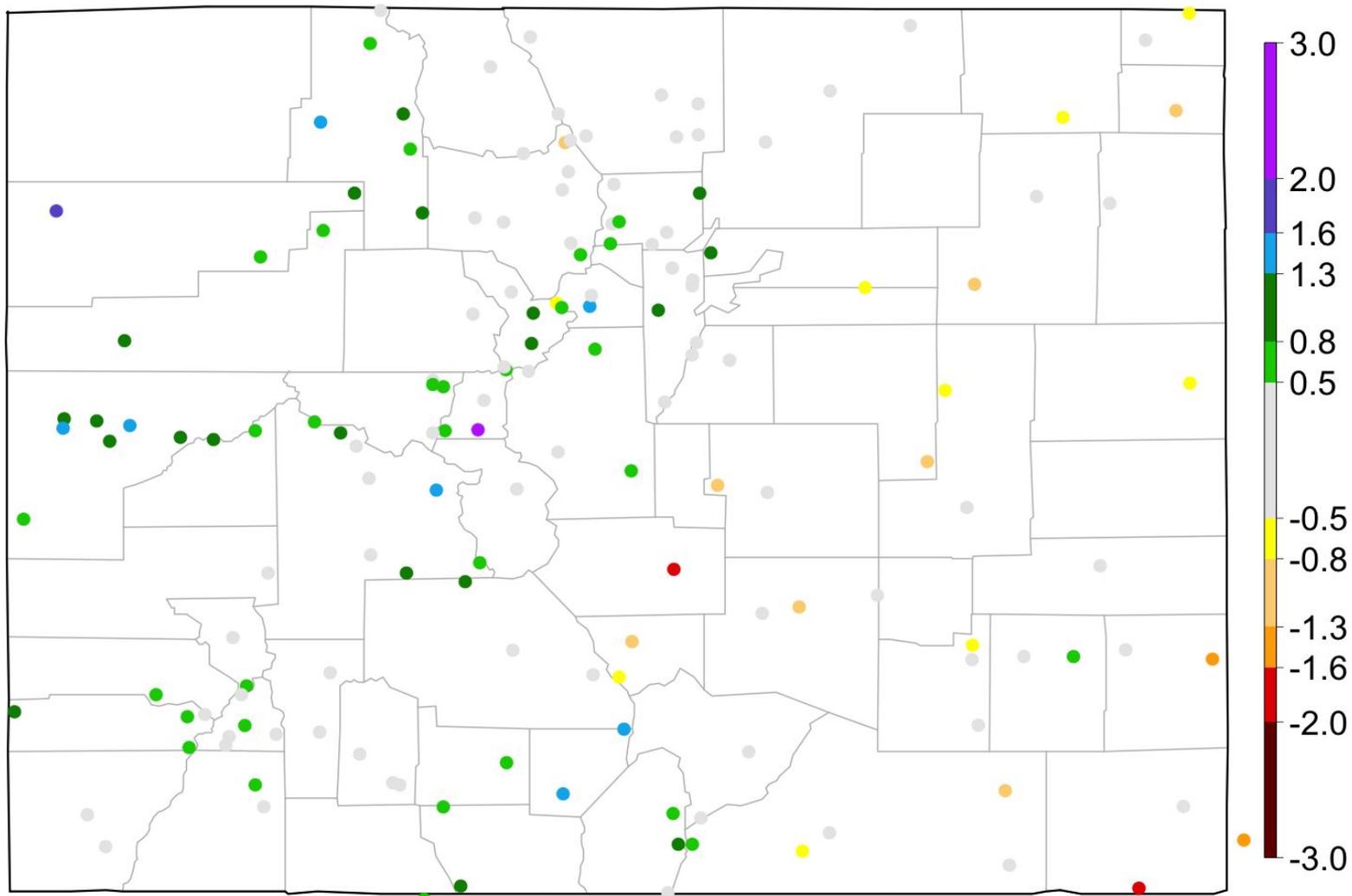


Data from High Plains Regional Climate Center and ACIS

<https://climate.colostate.edu/drought/>



6-month SPI: 2022/07/17 - 2023/01/16

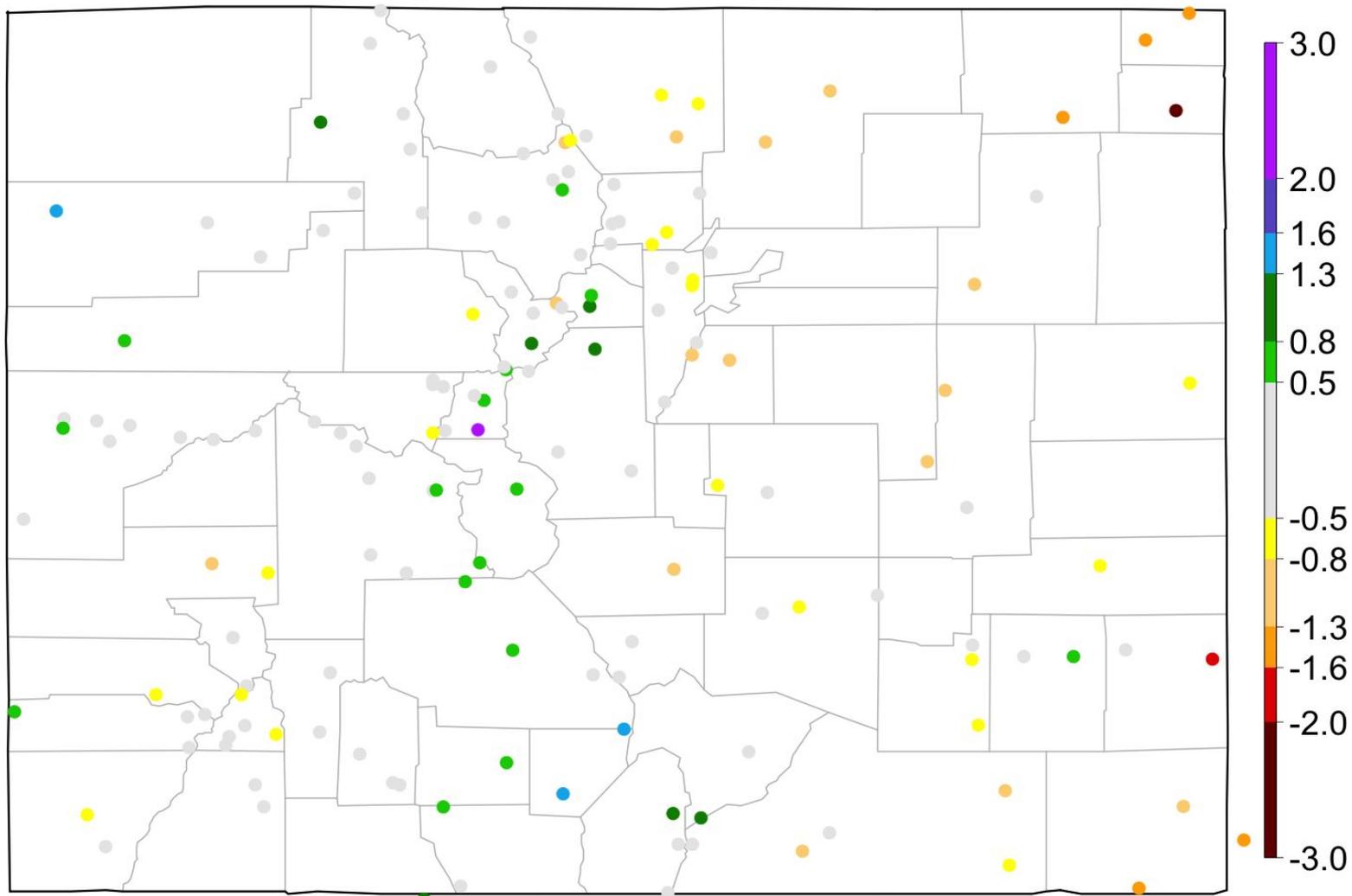


Data from High Plains Regional Climate Center and ACIS

<https://climate.colostate.edu/drought/>



12-month SPI: 2022/01/17 - 2023/01/16

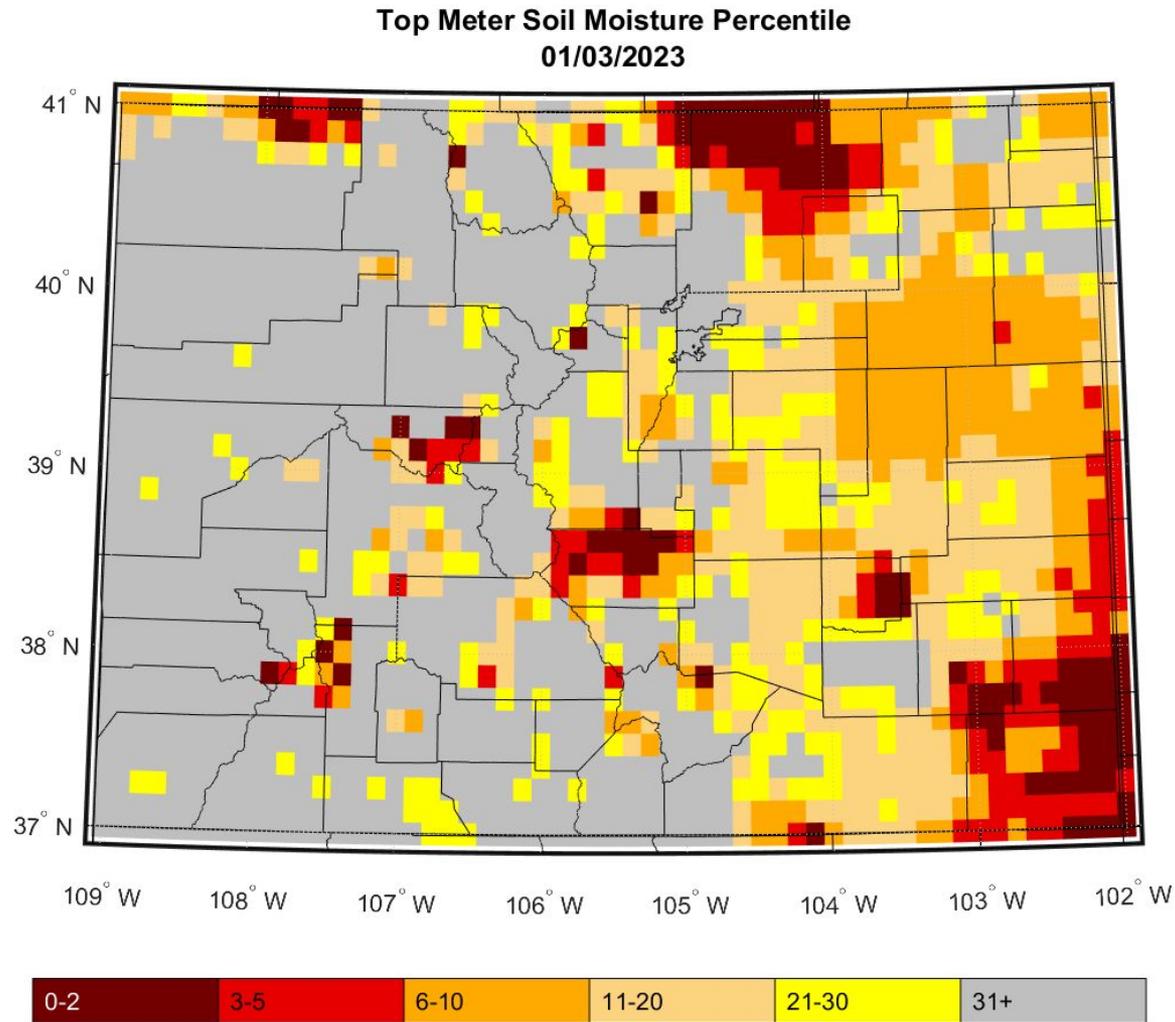


Data from High Plains Regional Climate Center and ACIS

<https://climate.colostate.edu/drought/>



Soil Moisture



<https://climate.colostate.edu/drought>



Drought

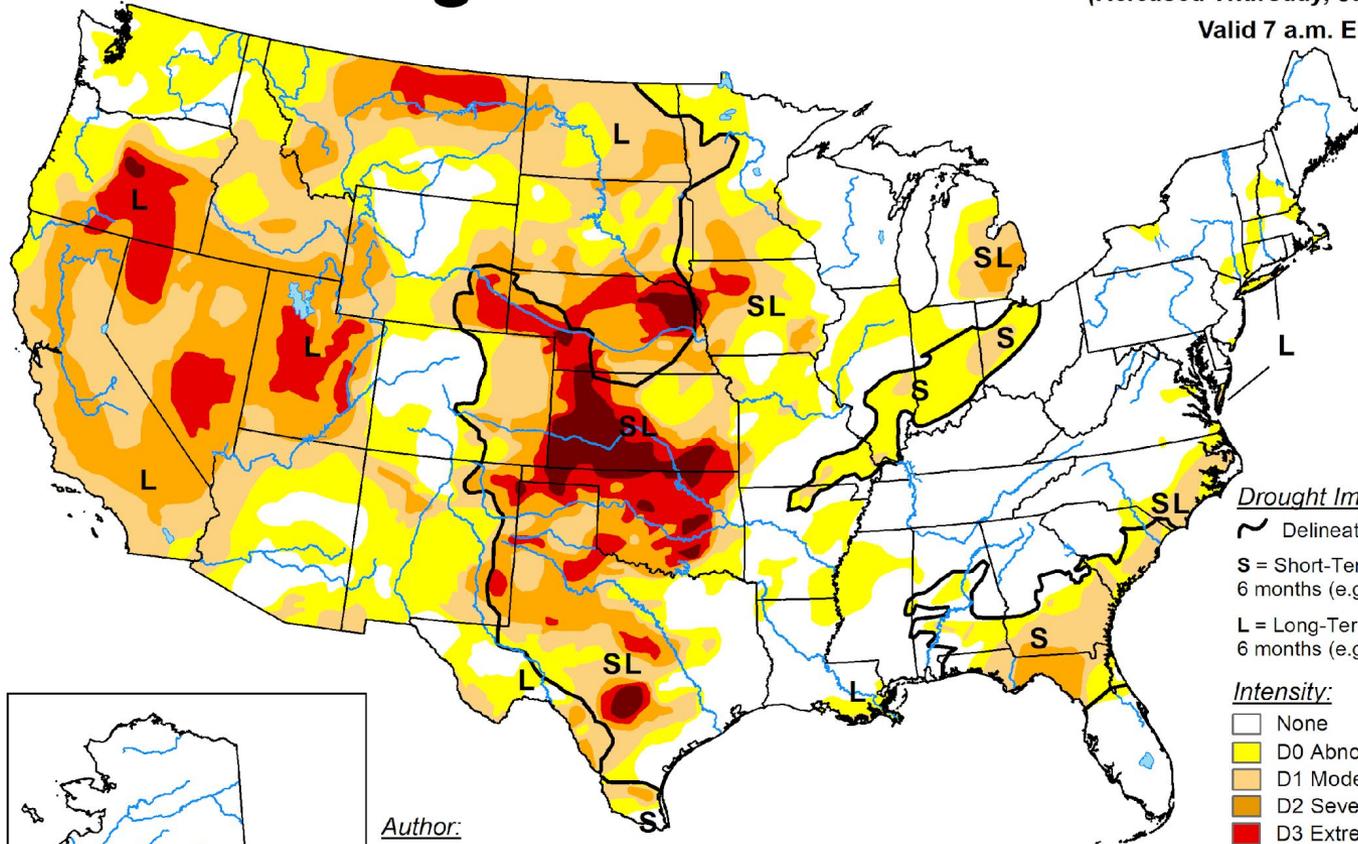
National Drought
Colorado Drought
Some Drought Facts



Photo courtesy Nick Trainor, Arapahoe County

U.S. Drought Monitor

January 10, 2023
 (Released Thursday, Jan. 12, 2023)
 Valid 7 a.m. EST

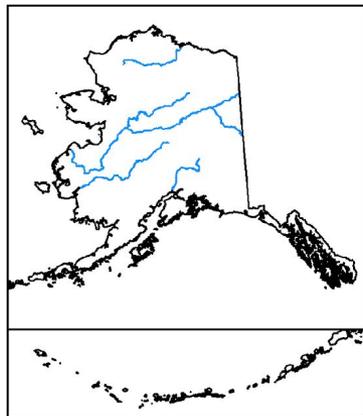


Drought Impact Types:

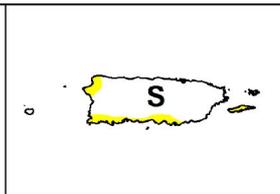
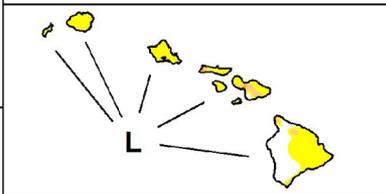
- ~ Delineates dominant impacts
- S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
- L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought



Author:
 Richard Tinker
 CPC/NOAA/NWS/NCEP



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

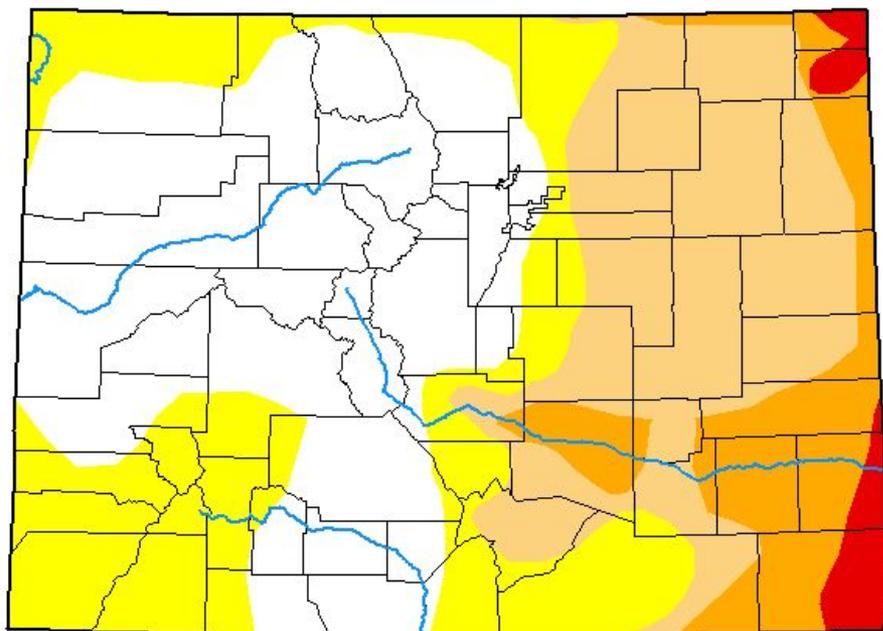


droughtmonitor.unl.edu



U.S. Drought Monitor Colorado

January 10, 2023
(Released Thursday, Jan. 12, 2023)
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	39.98	60.02	35.67	12.28	2.28	0.04
Last Week <i>01-03-2023</i>	39.97	60.03	33.83	12.28	1.91	0.01
3 Months Ago <i>10-11-2022</i>	23.00	77.00	43.01	13.55	3.09	0.57
Start of Calendar Year <i>01-03-2023</i>	39.97	60.03	33.83	12.28	1.91	0.01
Start of Water Year <i>09-27-2022</i>	15.46	84.54	45.65	15.47	3.73	0.57
One Year Ago <i>01-11-2022</i>	0.00	100.00	88.32	65.93	20.59	0.00

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

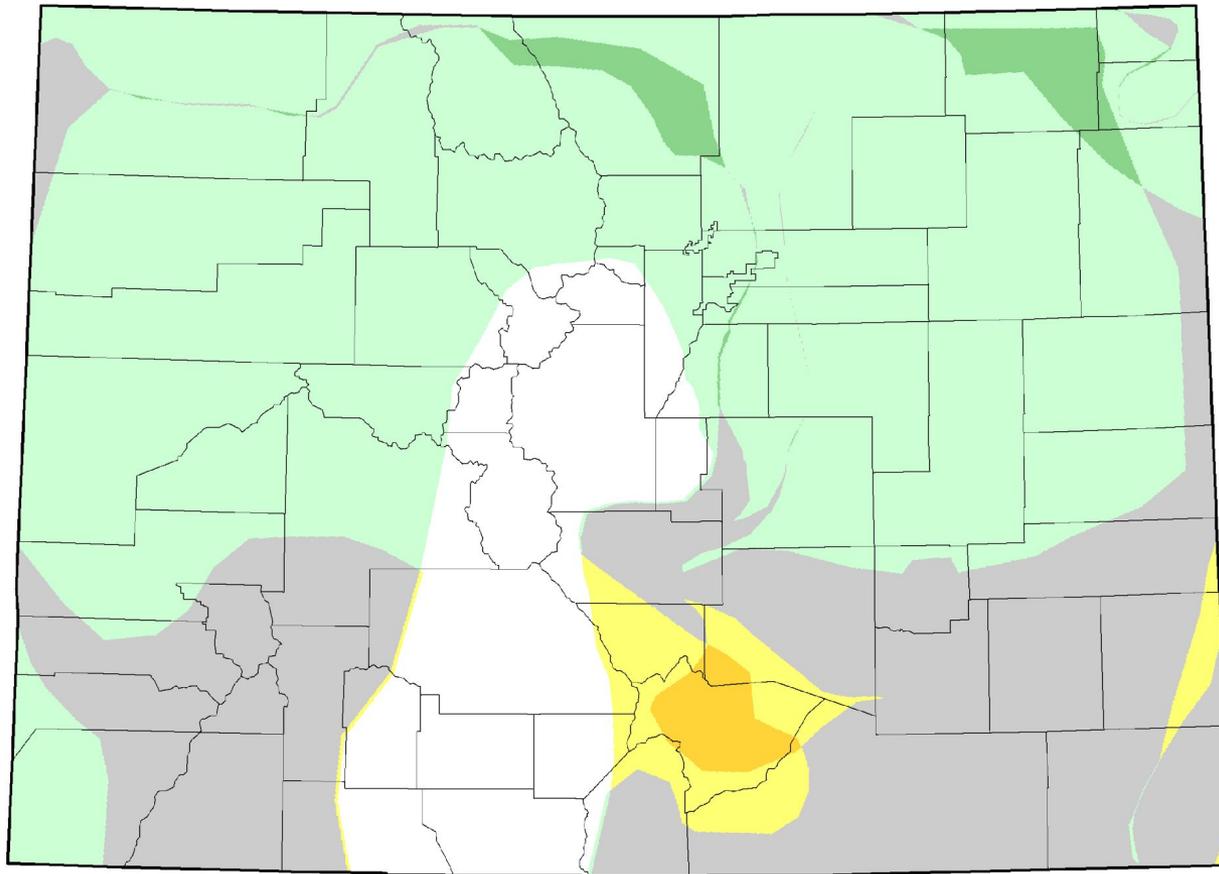
Richard Tinker
CPC/NOAA/NWS/NCEP



droughtmonitor.unl.edu

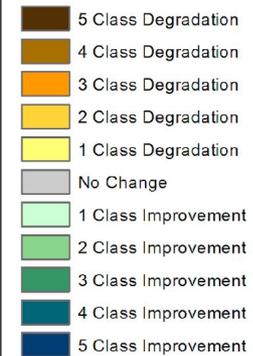


U.S. Drought Monitor Class Change - Colorado 4 Week



January 10, 2023
compared to
December 13, 2022

droughtmonitor.unl.edu



We can expect to see continued improvements over western CO and northeast CO, with more degradations possible for southeast CO.





Outlook

Next 7 days

8-14 day Outlook

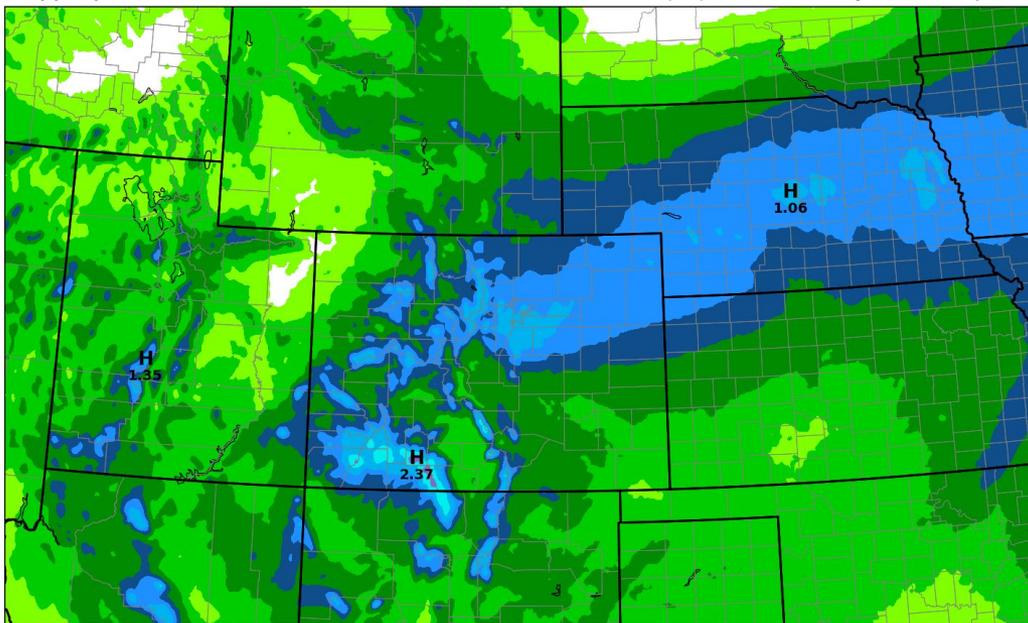
CPC Outlooks

La Niña

NOAA 7-day precip forecast

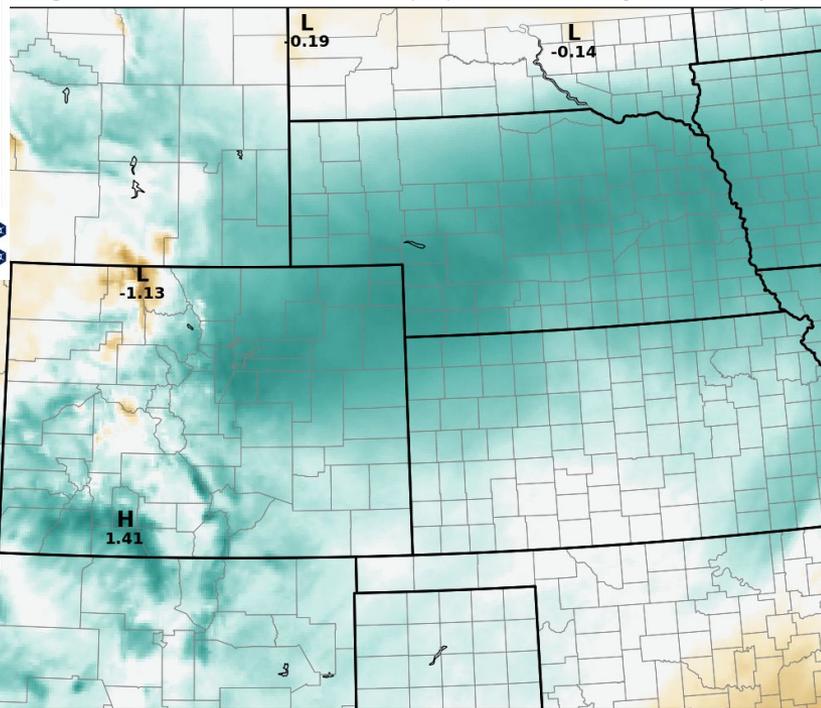
NOAA Weather Prediction Center
7-day precipitation forecast

forecast issued 1200 UTC Tue 17 Jan 2023
precipitation in 168 hrs ending 1200 UTC Tue 24 Jan 2023

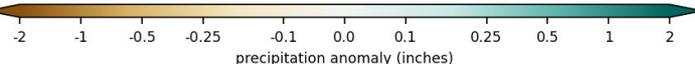


average

forecast issued 1200 UTC Tue 17 Jan 2023
precipitation in 168 hrs ending 1200 UTC Tue 24 Jan 2023



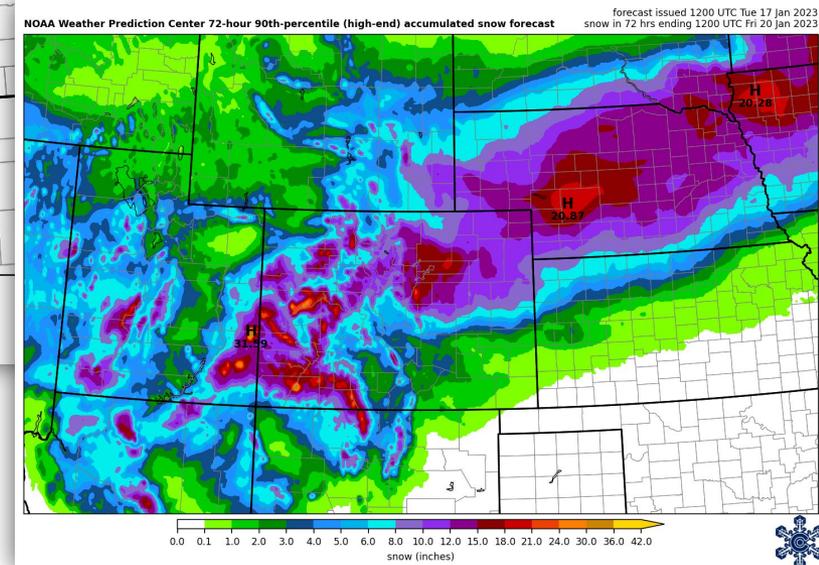
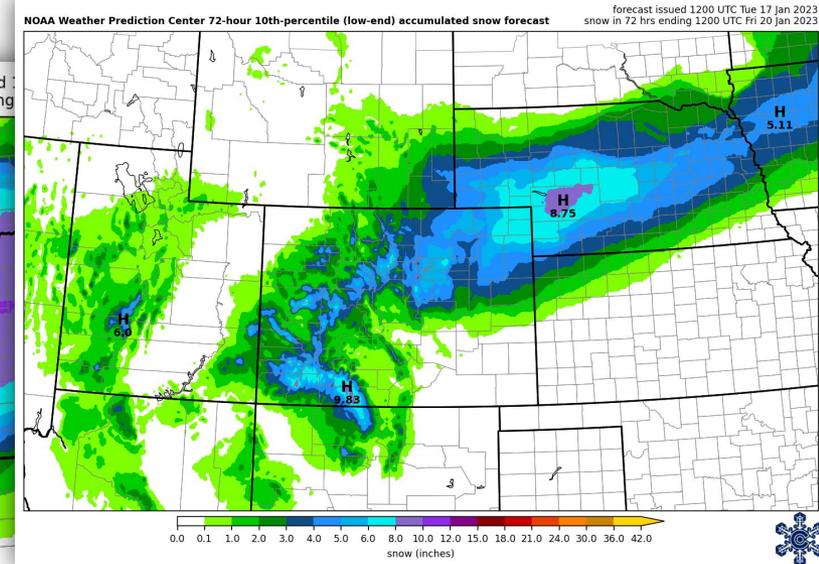
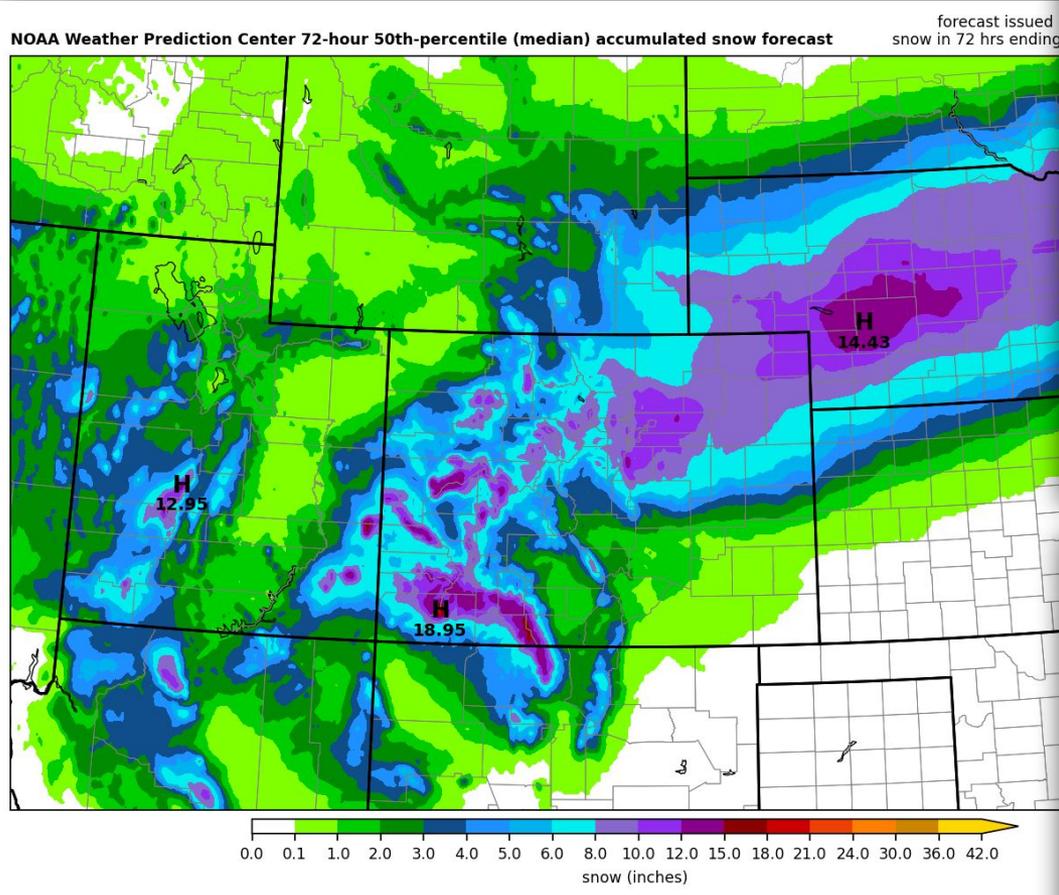
average: 1991-2020 PRISM daily data
source: PRISM climate group



<http://schumacher.atmos.colostate.edu/weather/>



Snow forecast product (72 hours)



<https://climate.colostate.edu/ski-dashboard/>

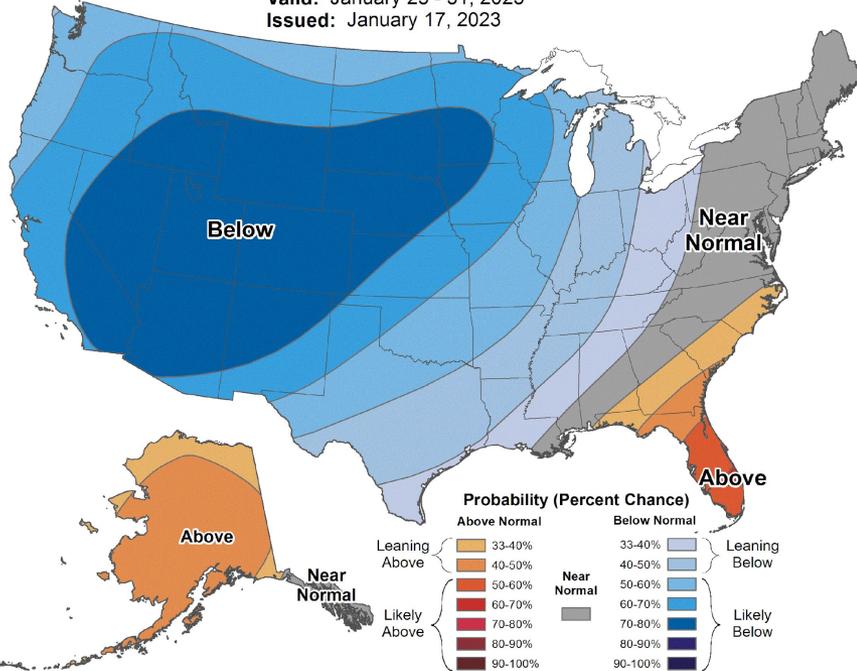


8-14 day outlook



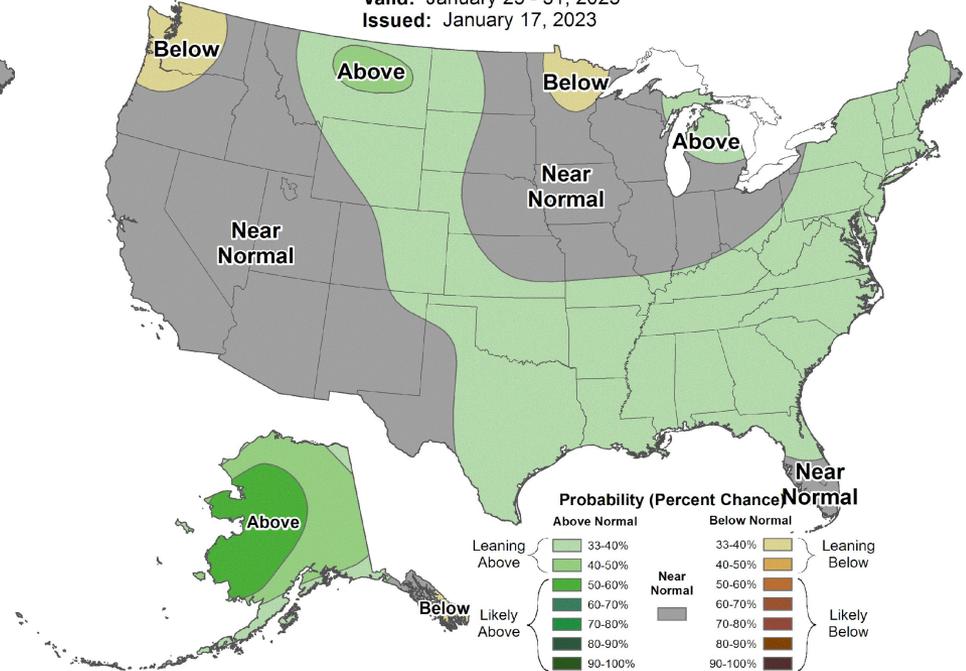
8-14 Day Temperature Outlook

Valid: January 25 - 31, 2023
 Issued: January 17, 2023



8-14 Day Precipitation Outlook

Valid: January 25 - 31, 2023
 Issued: January 17, 2023



<https://www.cpc.ncep.noaa.gov>



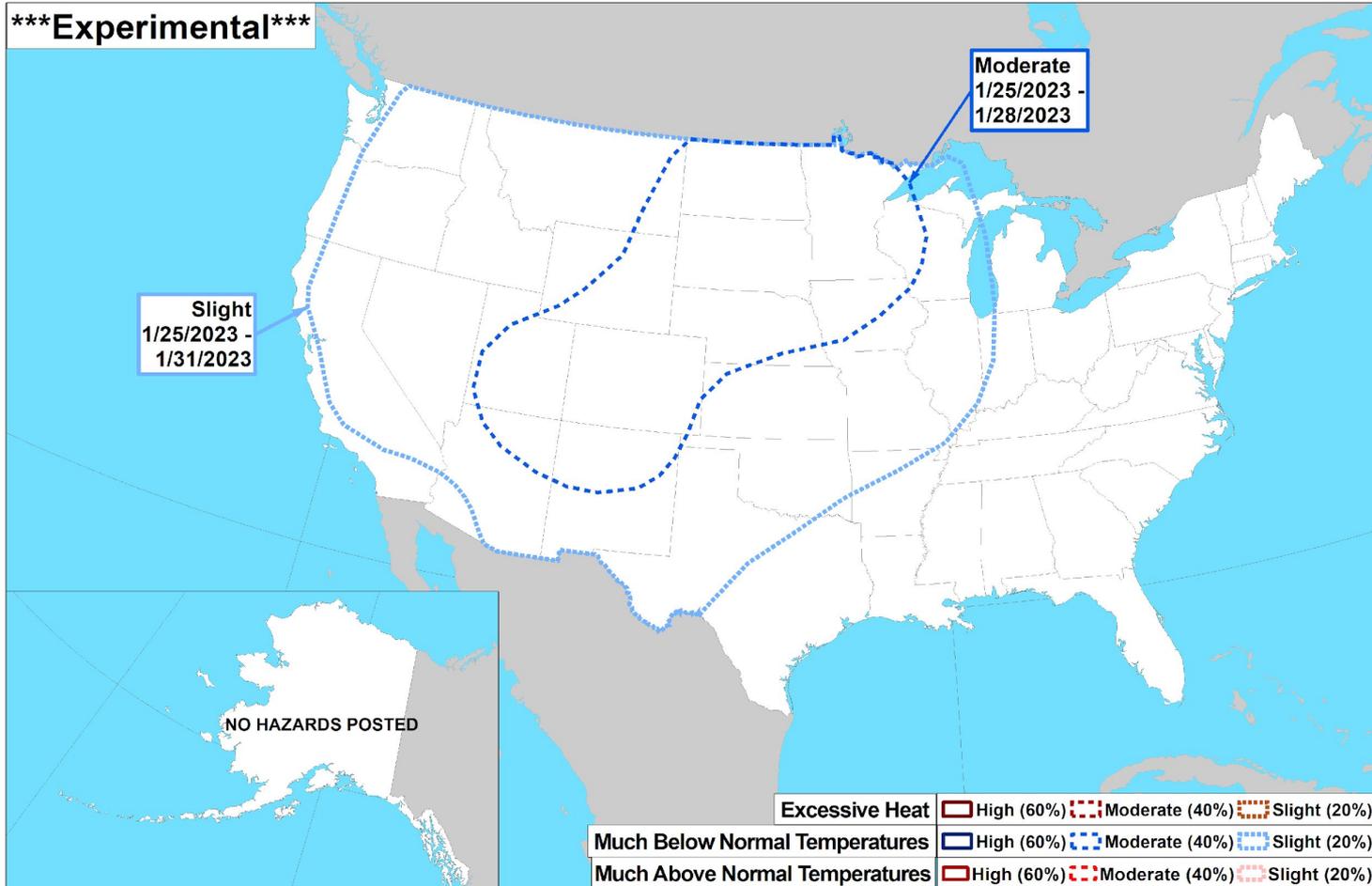
8-14 day hazards



Risk of Hazardous Temperatures Valid: 01/25/2023-01/31/2023



Experimental



Climate Prediction Center

Made: 01/17/2023 3PM EST

Follow us:

www.cpc.ncep.noaa.gov

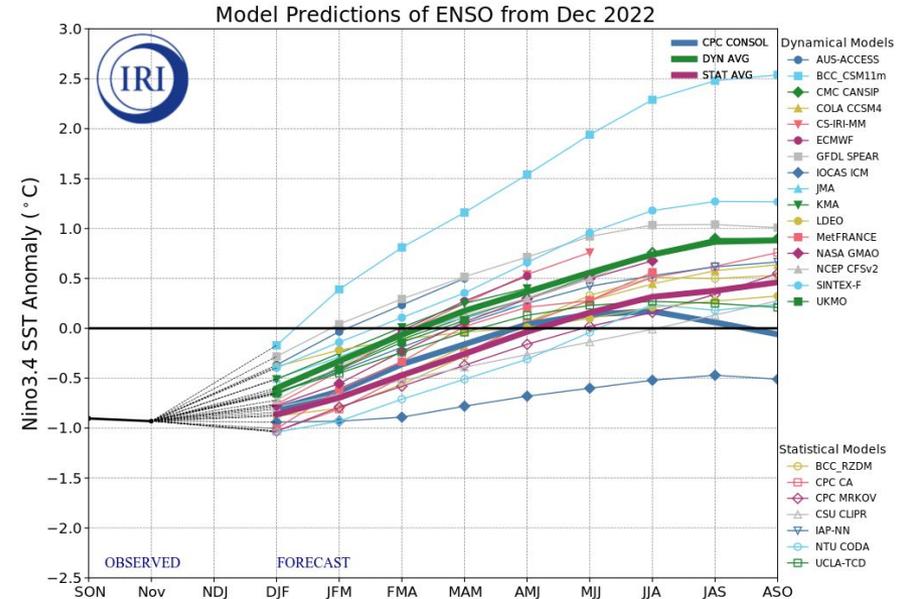
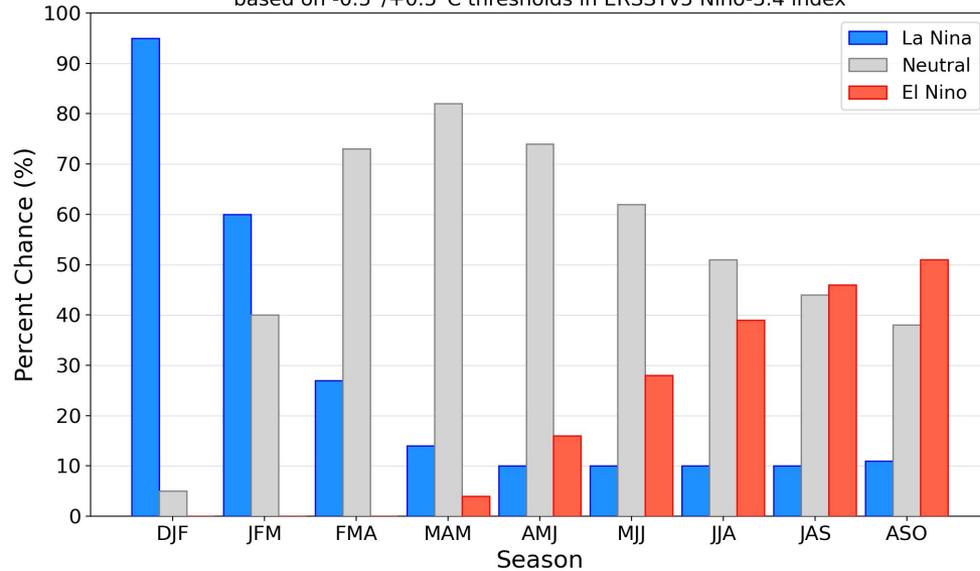
<https://www.cpc.ncep.noaa.gov>



What's the ENSO forecast?

Official NOAA CPC ENSO Probabilities (issued Jan. 2023)

based on $-0.5^{\circ}/+0.5^{\circ}\text{C}$ thresholds in ERSSTv5 Niño-3.4 index



CPC/IRI January 12, 2022: Several models (11 out of 18) in the plume predict SSTs to transition from the level of a La Niña to ENSO-neutral state during Jan-Mar, 2023. According to the early-December CPC ENSO forecast, La Niña and ENSO-neutral conditions are equally likely (50/50) during Jan-Mar 2023, with ENSO-neutral becoming the most likely category in subsequent three seasons. However, based on the objective ENSO forecasts, La Niña is expected to transition into ENSO-neutral during Jan-Mar 2023, which remains the most likely category until Apr-Jun 2023. The likelihood of El Niño remains low through Apr-Jun 2023 (49% chance), and becomes the dominant category thereafter with probabilities in the 60-66% range.

<https://iri.columbia.edu/our-expertise/climate/forecasts/enso/current/>



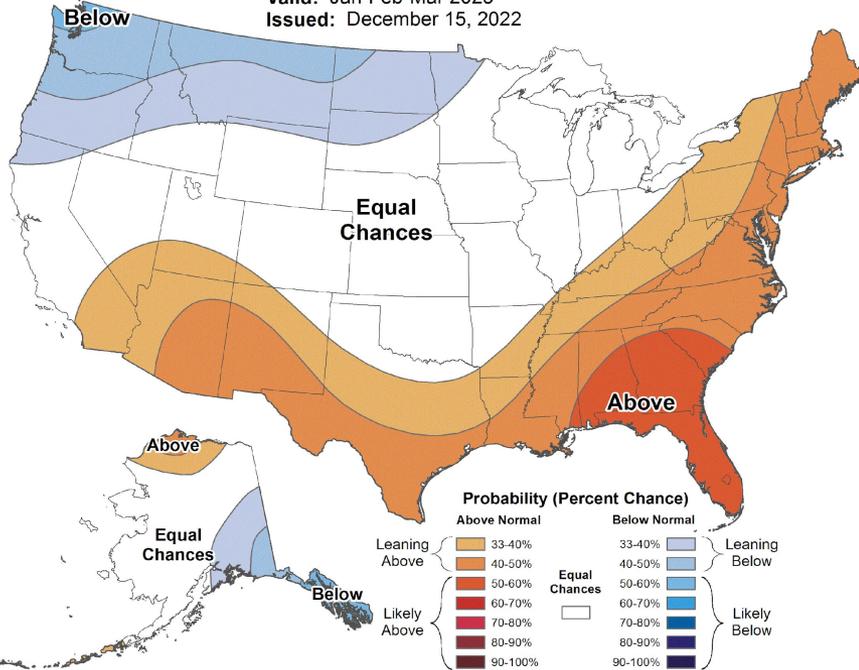
Seasonal outlook



Seasonal Temperature Outlook



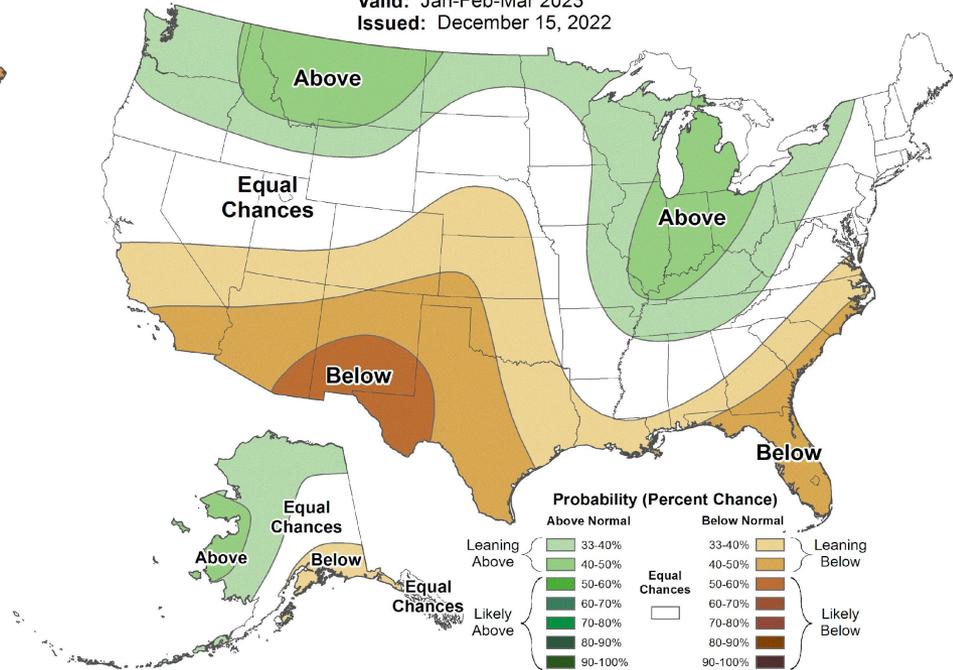
Valid: Jan-Feb-Mar 2023
Issued: December 15, 2022



Seasonal Precipitation Outlook



Valid: Jan-Feb-Mar 2023
Issued: December 15, 2022



The last seasonal outlook released from CPC shows a La Niña pattern. This will probably shift over the next couple of months as La Niña continues to weaken and transition to neutral conditions.

<https://www.cpc.ncep.noaa.gov>



Key Takeaways

- ❑ Conditions looking good in the mountains and northeast CO
- ❑ Drought is a pressing issue in southeast CO right now
- ❑ La Niña likely to weaken the rest of winter, with neutral conditions to take over sometime in the spring
- ❑ This could be good news for the Eastern Plains
- ❑ Climate Prediction Center is uncertain about our temperature patterns as we head into spring
- ❑ Slight leaning toward drier than average, especially the southern part of the state. But will that hold true if La Niña is no longer a factor?



Becky.Bolinger@colostate.edu

 @ClimateBecky

climate.colostate.edu

To view this and other presentations:

https://climate.colostate.edu/ccc_archive.html

Thank you



ATMOSPHERIC SCIENCE
COLORADO STATE UNIVERSITY