



Colorado Climate Center – Overview of Drought Monitoring Activities

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Data

Products

- ▶ Colorado Climate Center has historically been the keepers and providers of data.
- ▶ What data and expertise do we currently provide?
- ▶ How can we better provide information to users?
- ▶ Products, tools, etc.



What is your landscape's current

CONDITION?

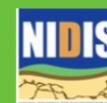
Tell us by submitting a "CoCoRaHS Condition Report"

WET?
NORMAL?
DRY?



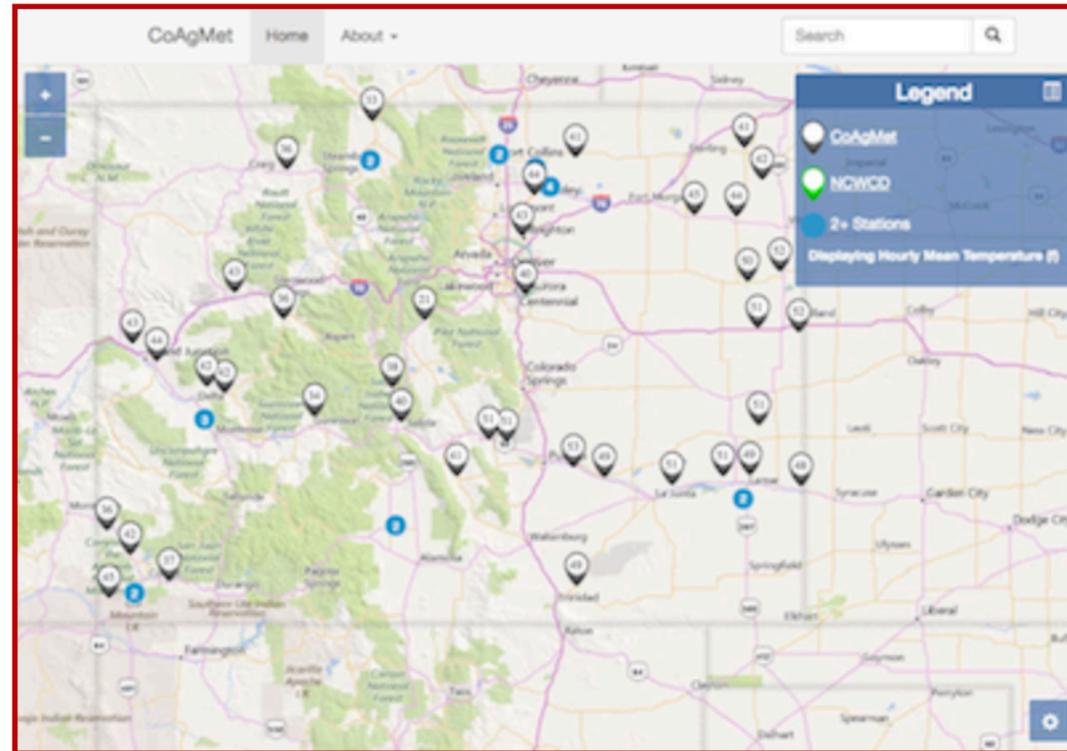
Dry ←————→ Normal ←————→ Wet

A Guide to Monitoring your Local Conditions



Latest updates on CoAgMet presented by Zach Schwalbe this afternoon!

CoAgMet Mapping and Metadata by eRAMS



Data

- ▶ Weather and climate gaps assessment
 - ▶ FEMA's Hazard Mitigation Grant Program
 - ▶ Working with NWS and emergency managers, identifying gaps in measurements (e.g., need a radar in southwest Colorado)
- ▶ Climate Smart
 - ▶ Partnership between CSU, USDA climate hub, and the State of Colorado
 - ▶ Climate smart agriculture to help producers plan for a future with a changing climate
- ▶ 125 year anniversary of the Fort Collins Weather Station

Products

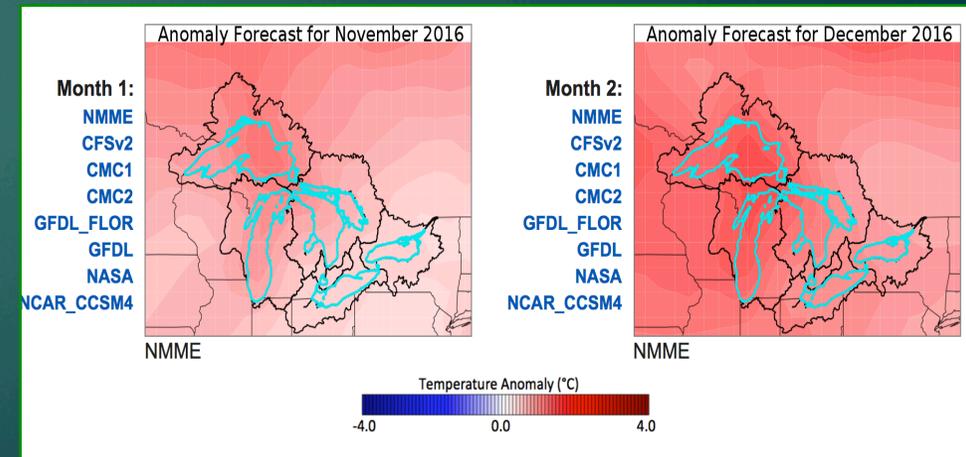
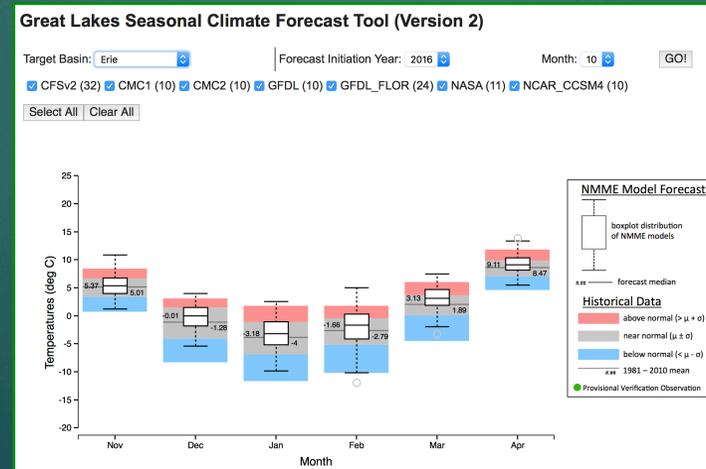
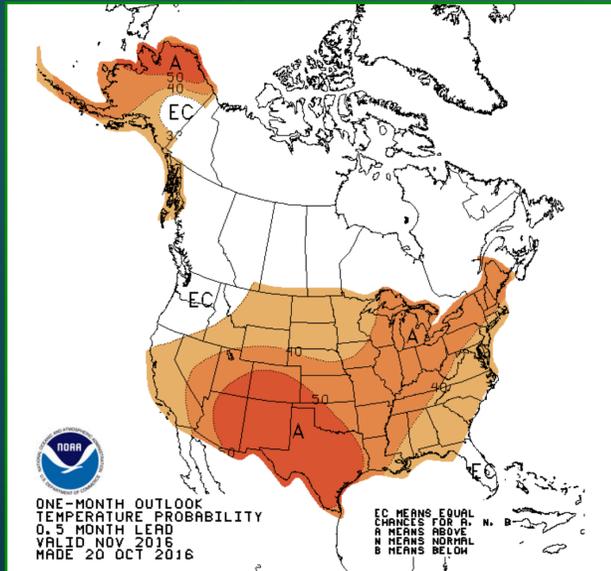


Data

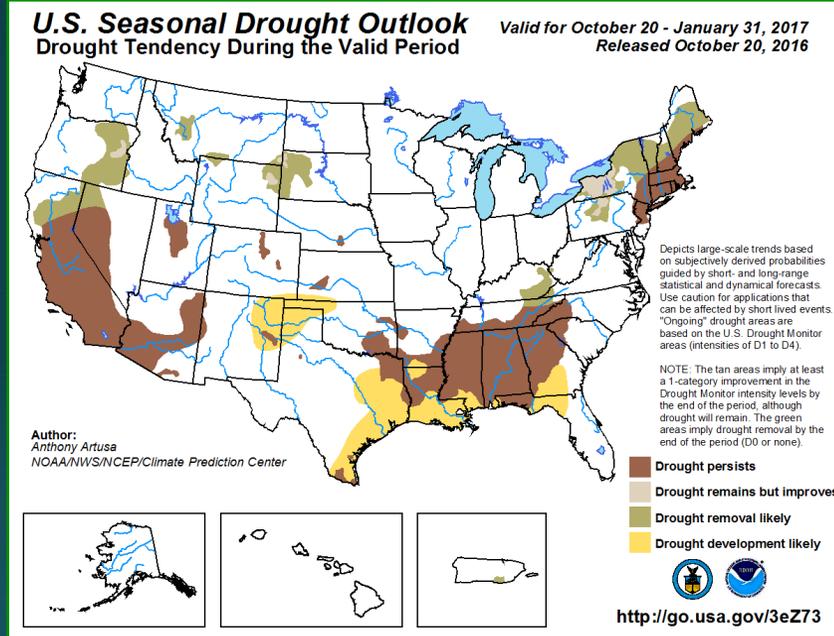
Products



- ▶ Utilize the North American Multi-Model Ensemble to develop outlook products for Colorado and for the Intermountain West DEWS.
- ▶ NMME is an operational, multi-agency effort to provide seasonal prediction information



Data

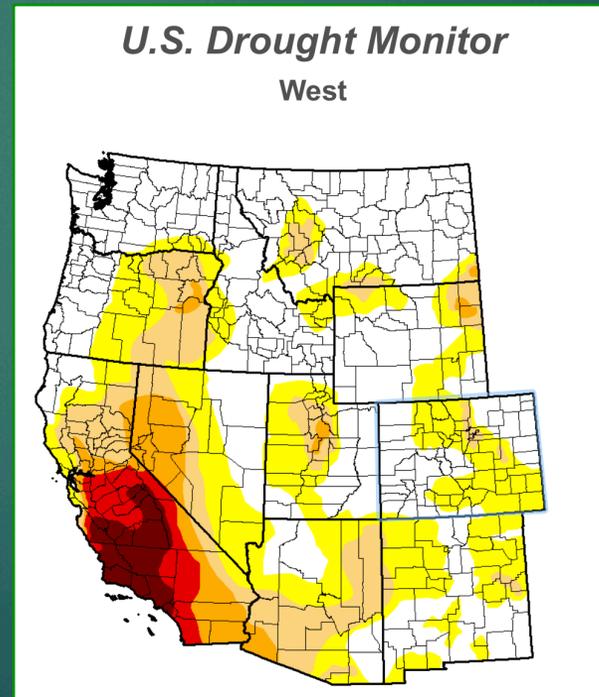


A drought outlook product specific to Colorado and the Intermountain West

Products

what if...?

"Risk assessment" scenario tool



Water supply and resources monitoring



Data

Products

Improving communication of
climate information...





new website coming...

Stay tuned for updated Drought and Climate Summary!

✕

NIDIS Weekly Summary

Precipitation

Snow

Streamflow

Surface Water

Evapotranspiration

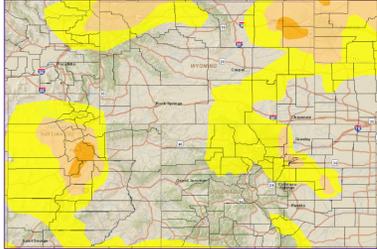
Temperature

Outlook

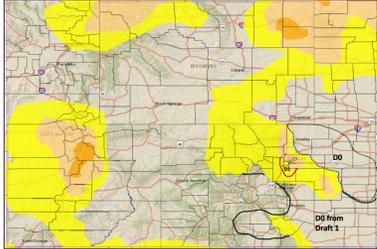


**NIDIS Intermountain West Region
Drought Early Warning System
October 18, 2016**





Current U.S. Drought Monitor Depiction



Recommended Changes

Summary: October 18, 2016

A decent amount of precipitation fell across parts of northern UT and western WY last week. Portions of the northern mountains of CO also received over half an inch of precipitation last week. The remainder of the UCRB and the rest of Colorado received little to no precipitation for the week. Aside from some of the northern portions of the UCRB and around the San Juan mountains in southern CO, a drying trend has dominated the month of October for much of Colorado, east of the Continental Divide, and for the southern regions of the UCRB.

Short-term SPIs are positive for much of eastern UT and western WY with some drier SPIs (between 0 and -1) around the Four Corners region. The recent dryness around CO is evident in the short-term SPIs with much of the Front Range between 0 and -1.5 on the 30-day SPI and as low as -2.5 to -3 in some locations on the 90-day SPI.

Abnormally warm conditions were observed around the entire region last week. Warmer conditions are expected to continue. HPC shows minor amounts of precipitation expected to fall across the northern portions of the UCRB. Although the CPC shows above average precipitation more likely in the 8-14 day outlook, it is less likely that it will fully relieve some of the abnormally dry conditions that have recently shown up throughout eastern CO.



Increasing web presence to connect with community





Thank You!

Want to attend webinars and
receive email updates?

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Or come talk to me, Zach, or Peter!