



Colorado Climate Center Yearly Update

Peter Goble

WERA 102

September, 2017

Overview

- Nolan Doesken has retired
- The new State Climatologist is to be named next month
- CoAgMET is expanding with a website overhaul underway
- The Climate Center is working on several evaporative demand-related projects
- Drought continues to be a focal point for us. The Climate Center is now including seasonal forecasts

Nolan's Retirement



- Nolan Doesken served as Colorado's State Climatologist from 2006-2017
- He retired in August
- WERA 102 was always one of his favorite meetings to attend
- He'll be back in October, primarily to work on CoCoRaHS. You'll likely see him again

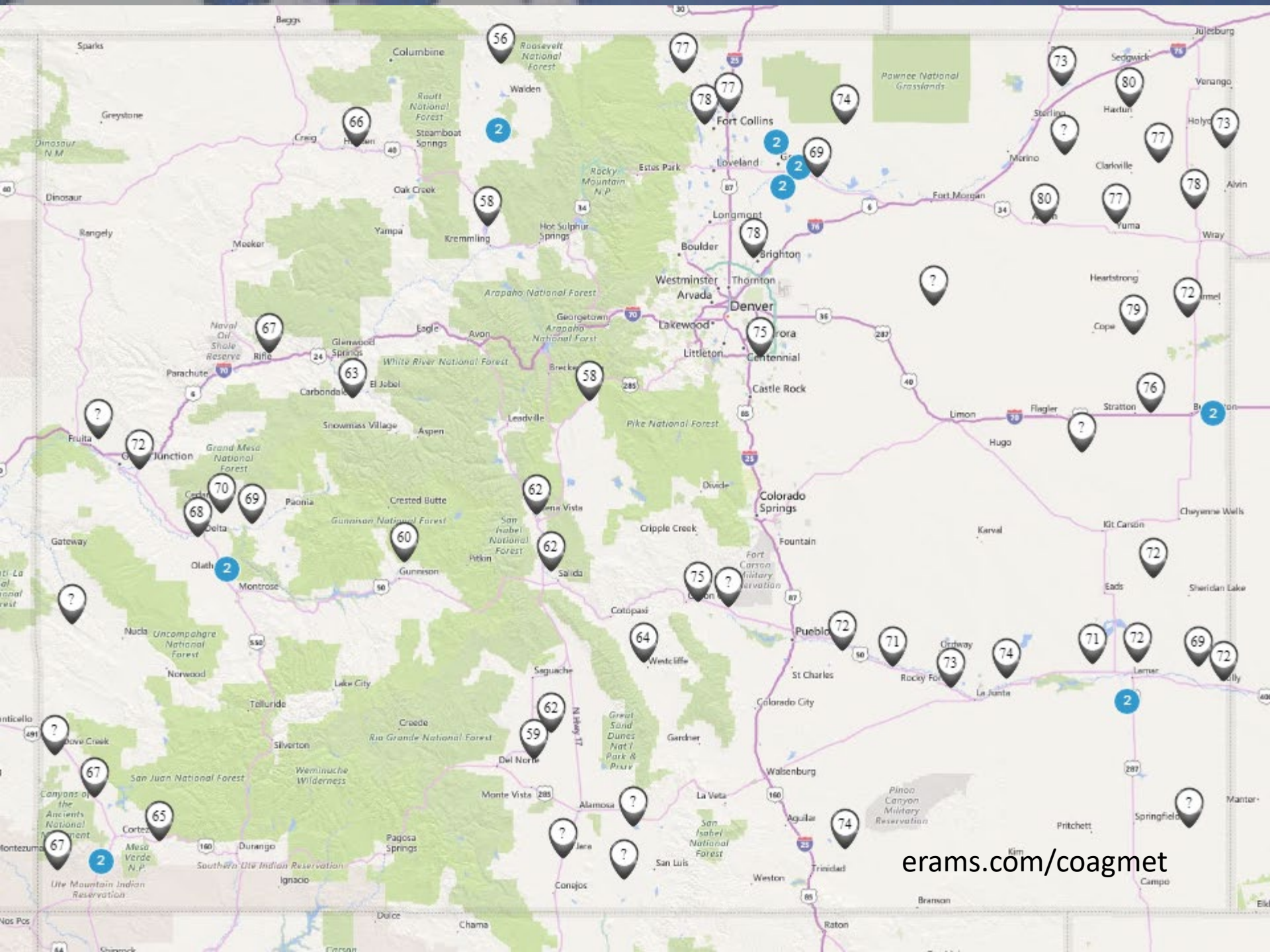
New State Climatologist to be Named in October

- Colorado State has conducted and completed a search for a new state climatologist
- Expect this person to be a tenured faculty member within Colorado State, and to be named next month
- Expect this person to name a deputy director of the Climate Center
- ...but we are not currently running headless

Improvements to CoAgMET

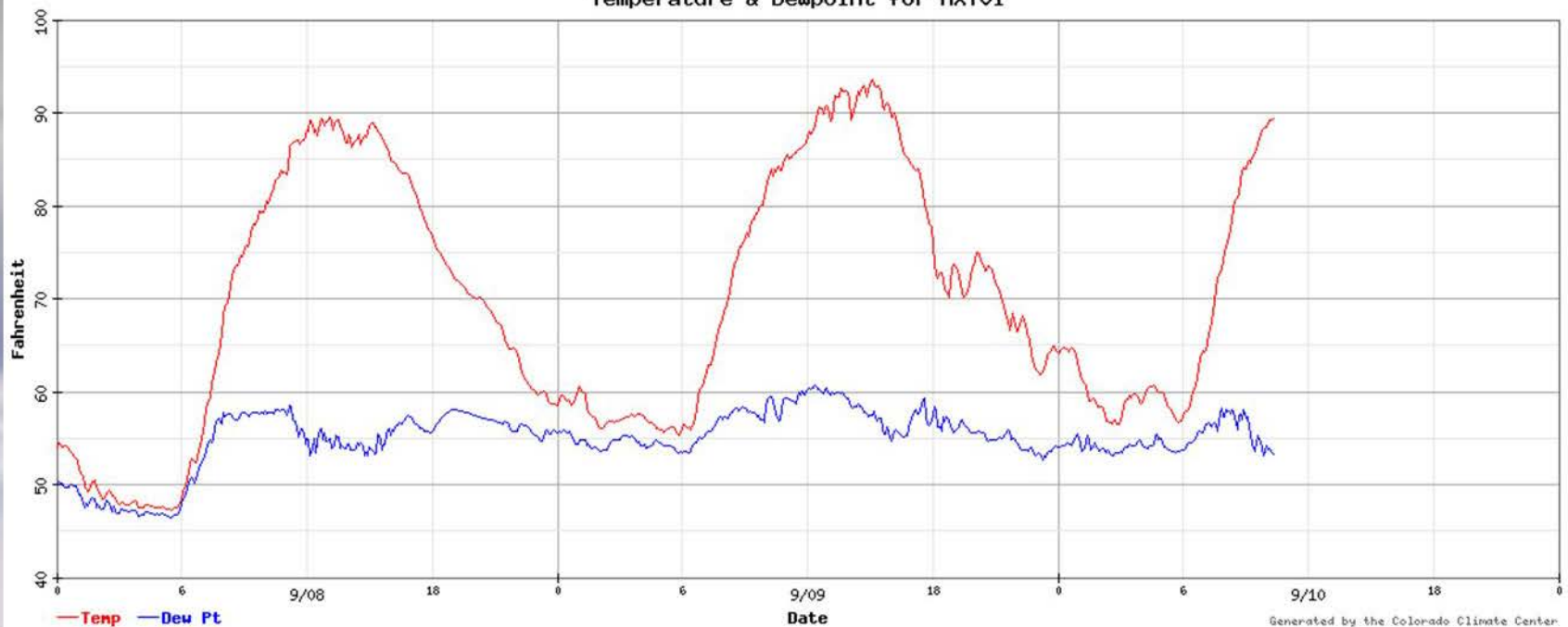
- Expansion of stations on the west slope
- Website upgrade
- 5-minute data from stations
- New mapping tool
- <https://erams.com/coagmet/>





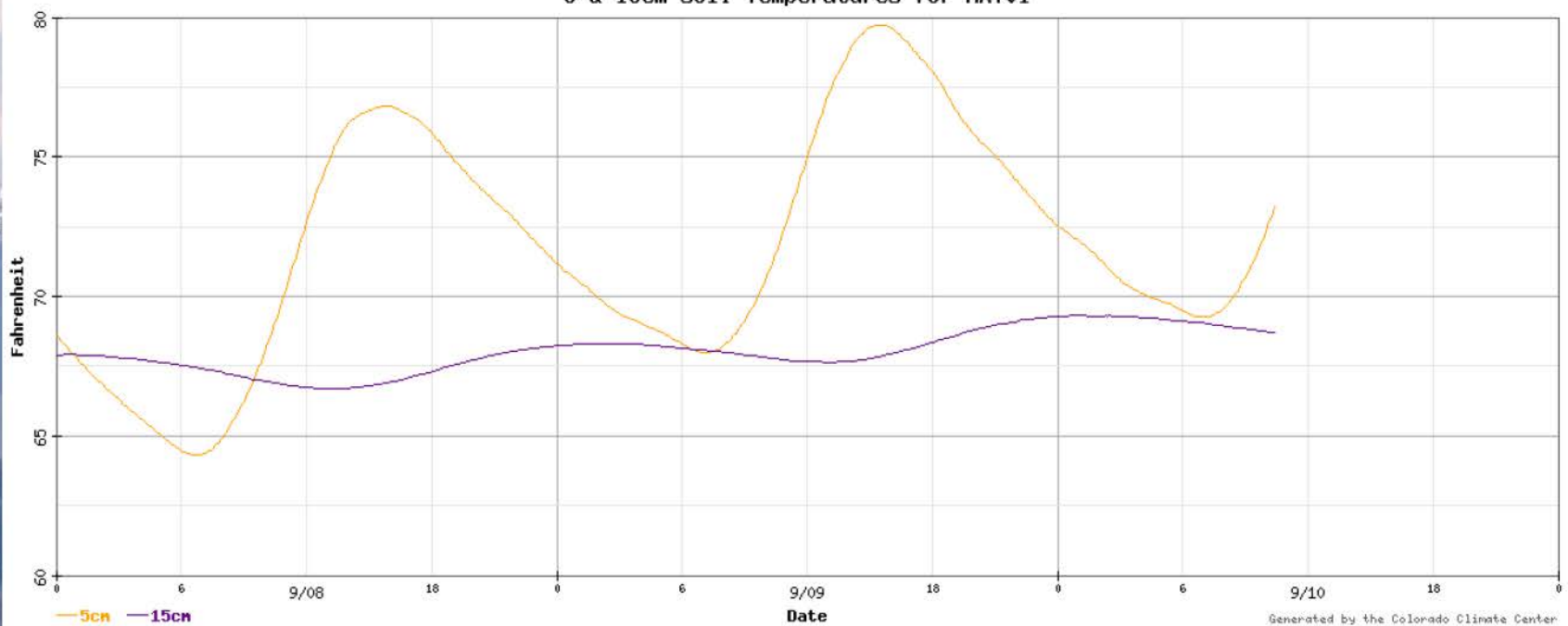
erams.com/coagmet

Temperature & Dewpoint for HXT01



Generated by the Colorado Climate Center

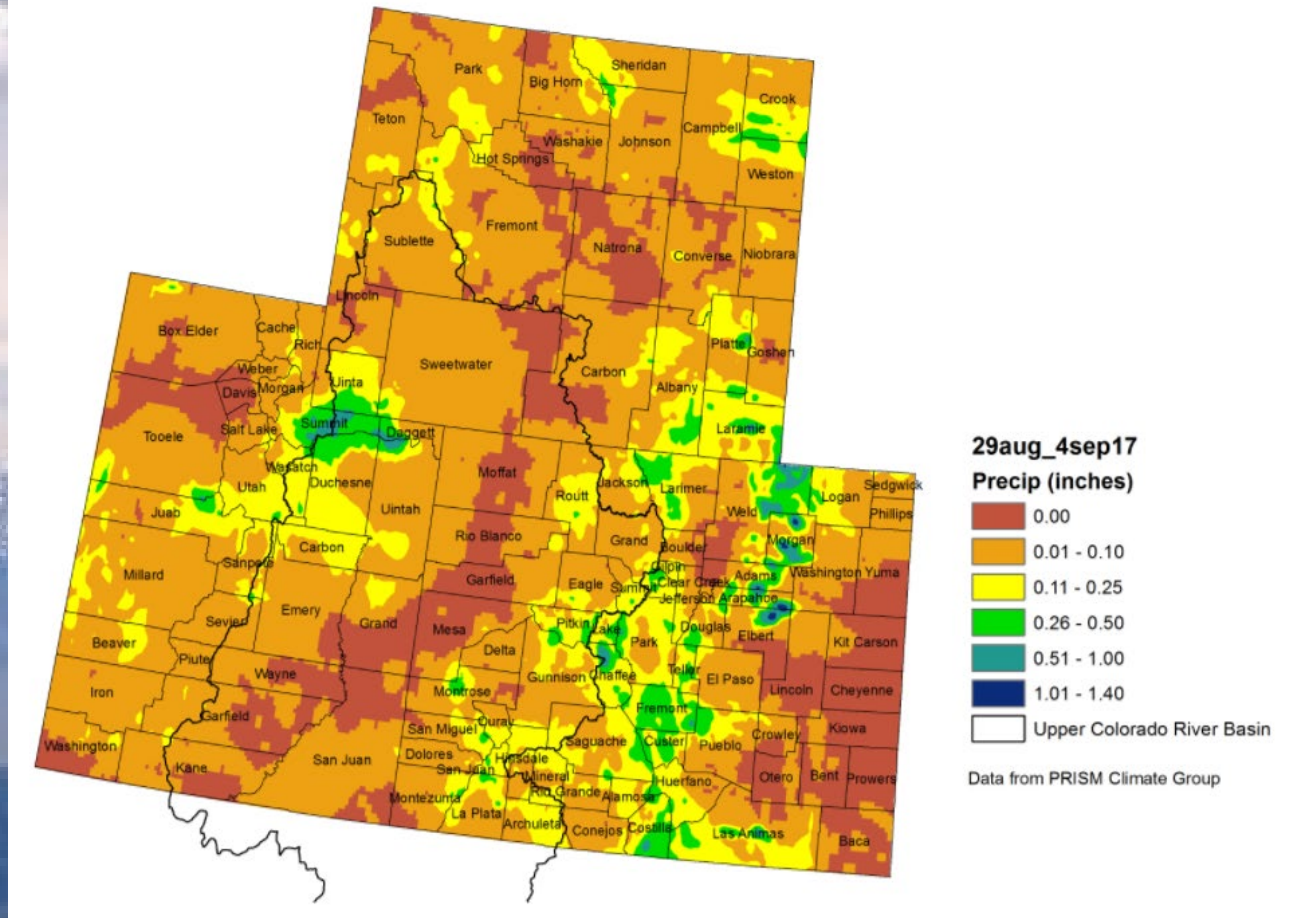
5 & 15cm Soil Temperatures for HXT01



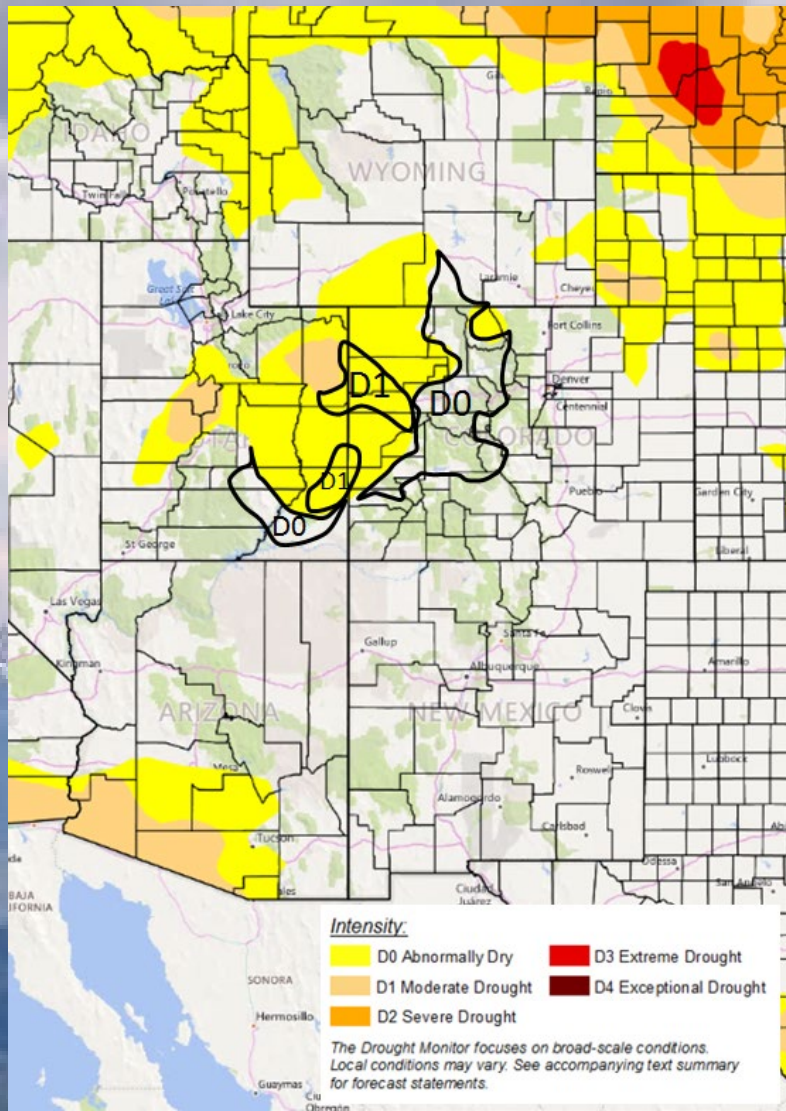
Generated by the Colorado Climate Center

Colorado Climate Center and NIDIS Drought Activities

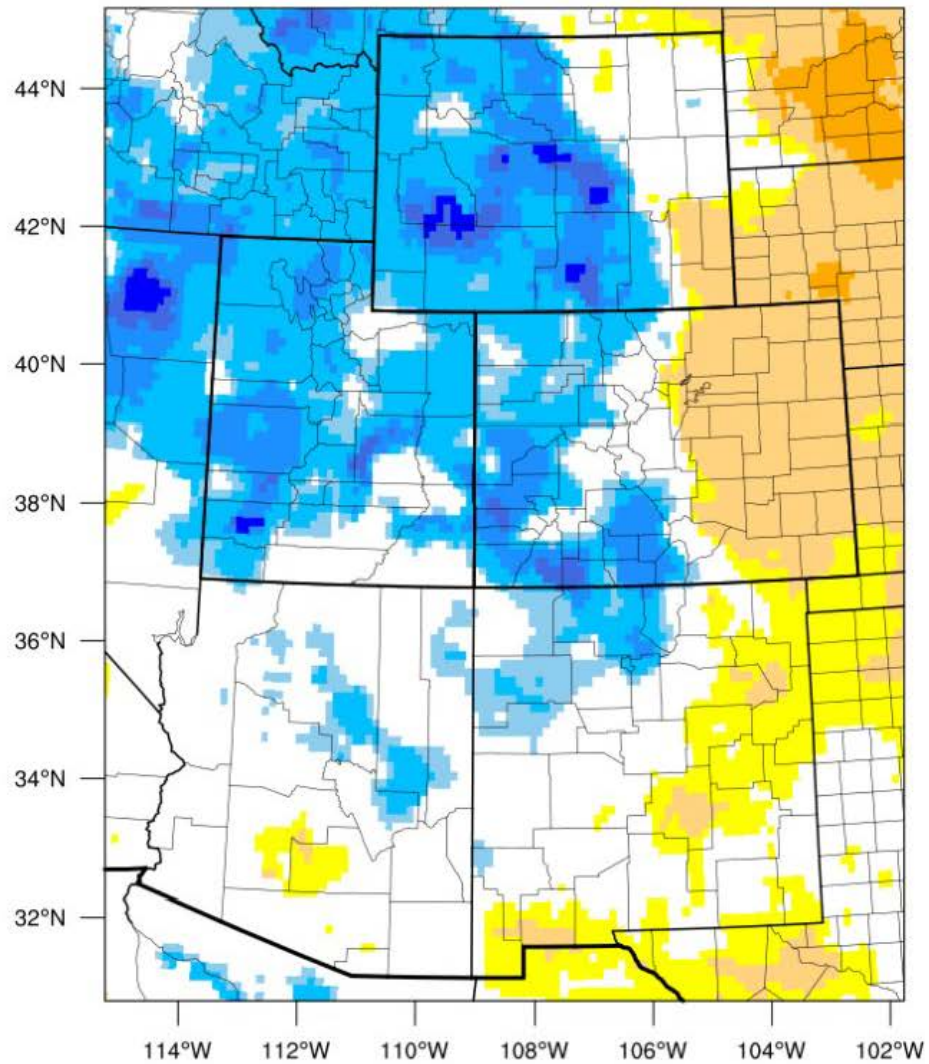
Colorado, Utah and Wyoming 7 Day Precipitation
29 August - 4 September 2017 Ending 7AM MST



Colorado Climate Center and NIDIS Drought Activities

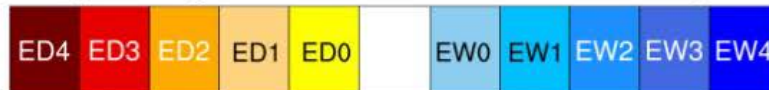


12-month EDDI categories for September 5, 2017



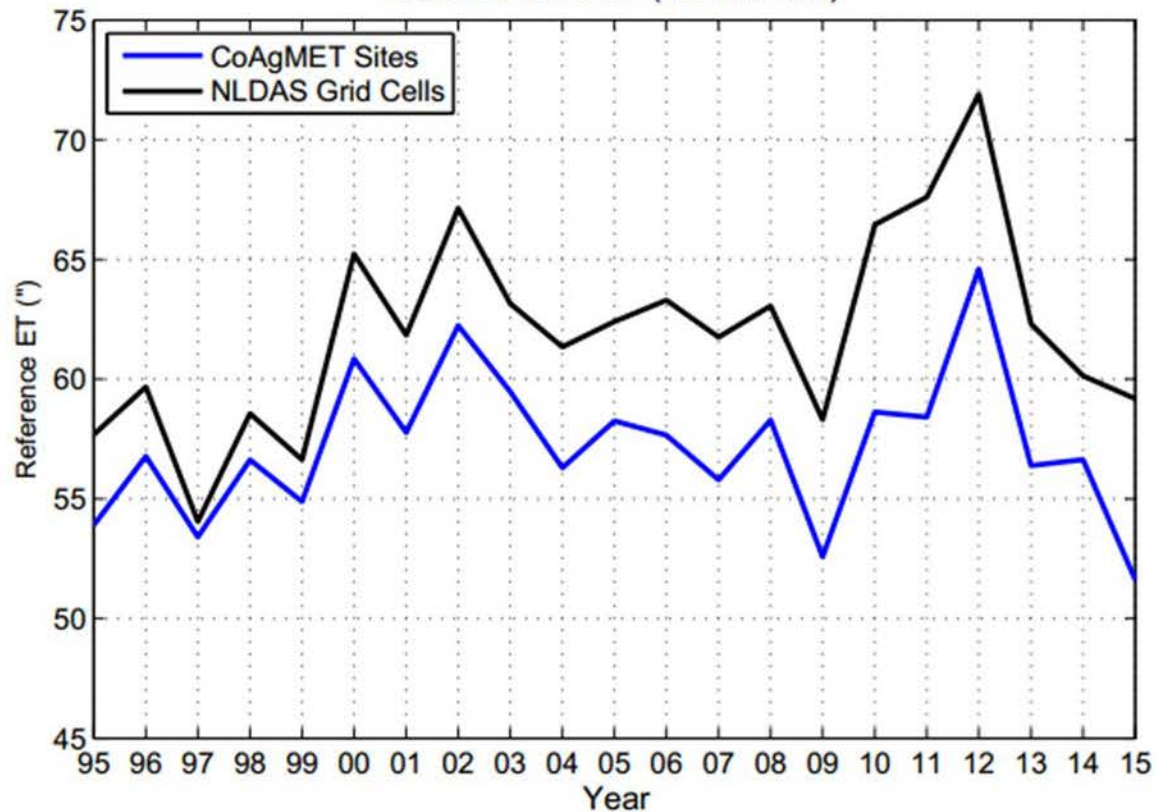
Drought categories

Wetness categories

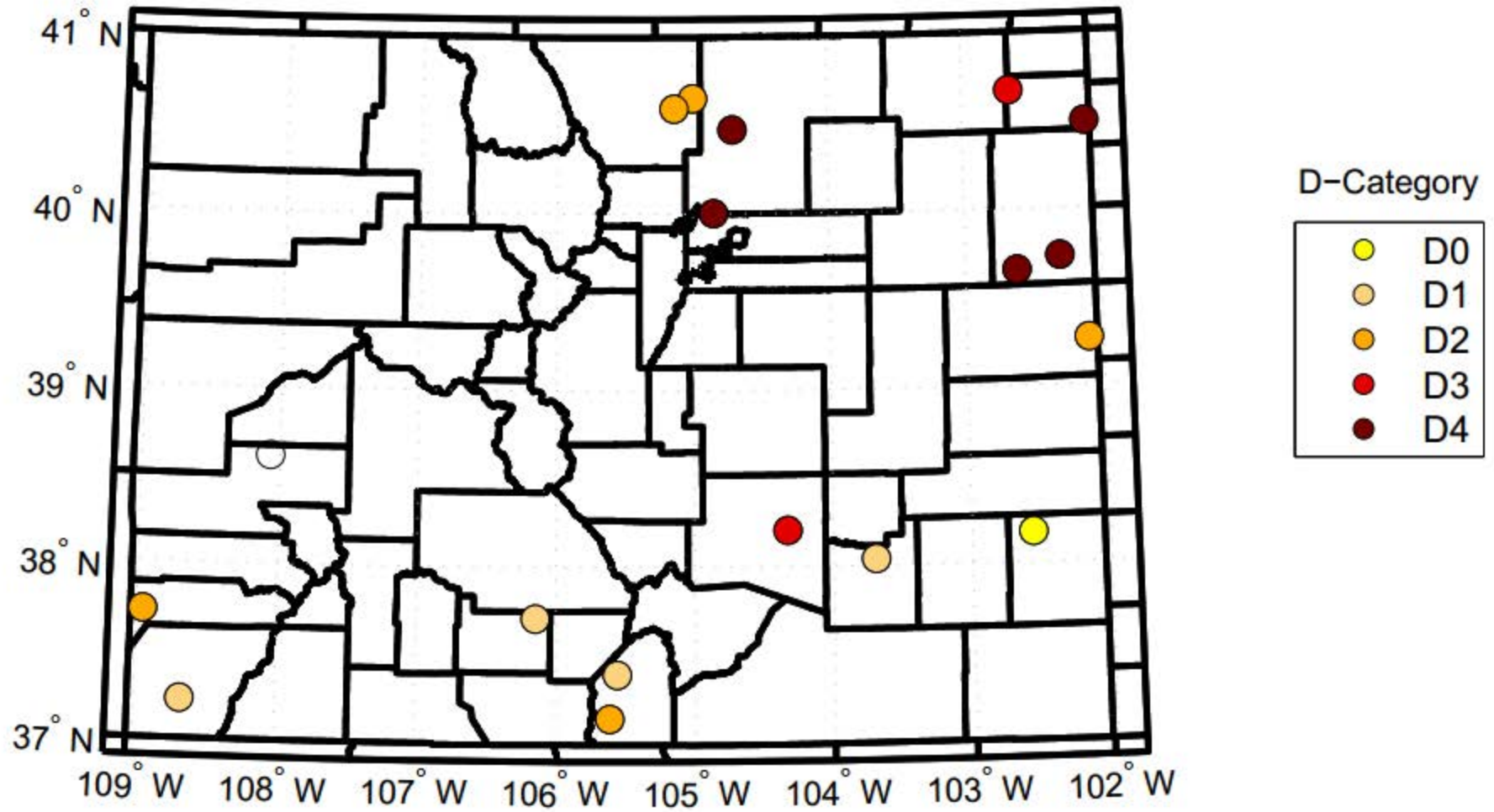


100% 98% 95% 90% 80% 70% 30% 20% 10% 5% 2% 0%
 (EDDI-percentile category breaks: 100% = driest; 0% = wettest)

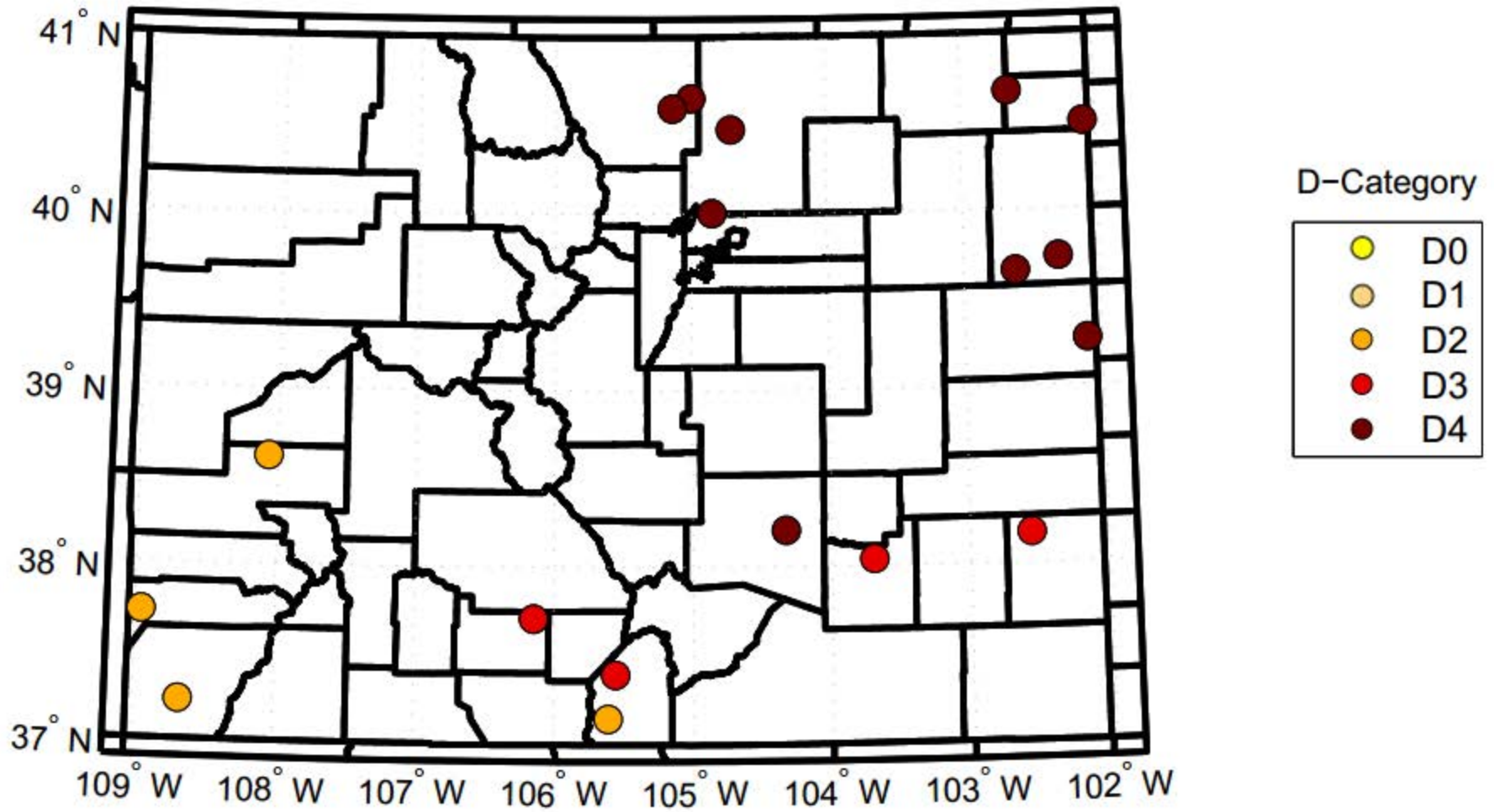
Station and Overlaying Grid Cell Average
Penman Monteith Reference ET for April - October
across Colorado (18 stations)



CoAgMET Warm Season PET-Based Drought Classification for Summer 2012

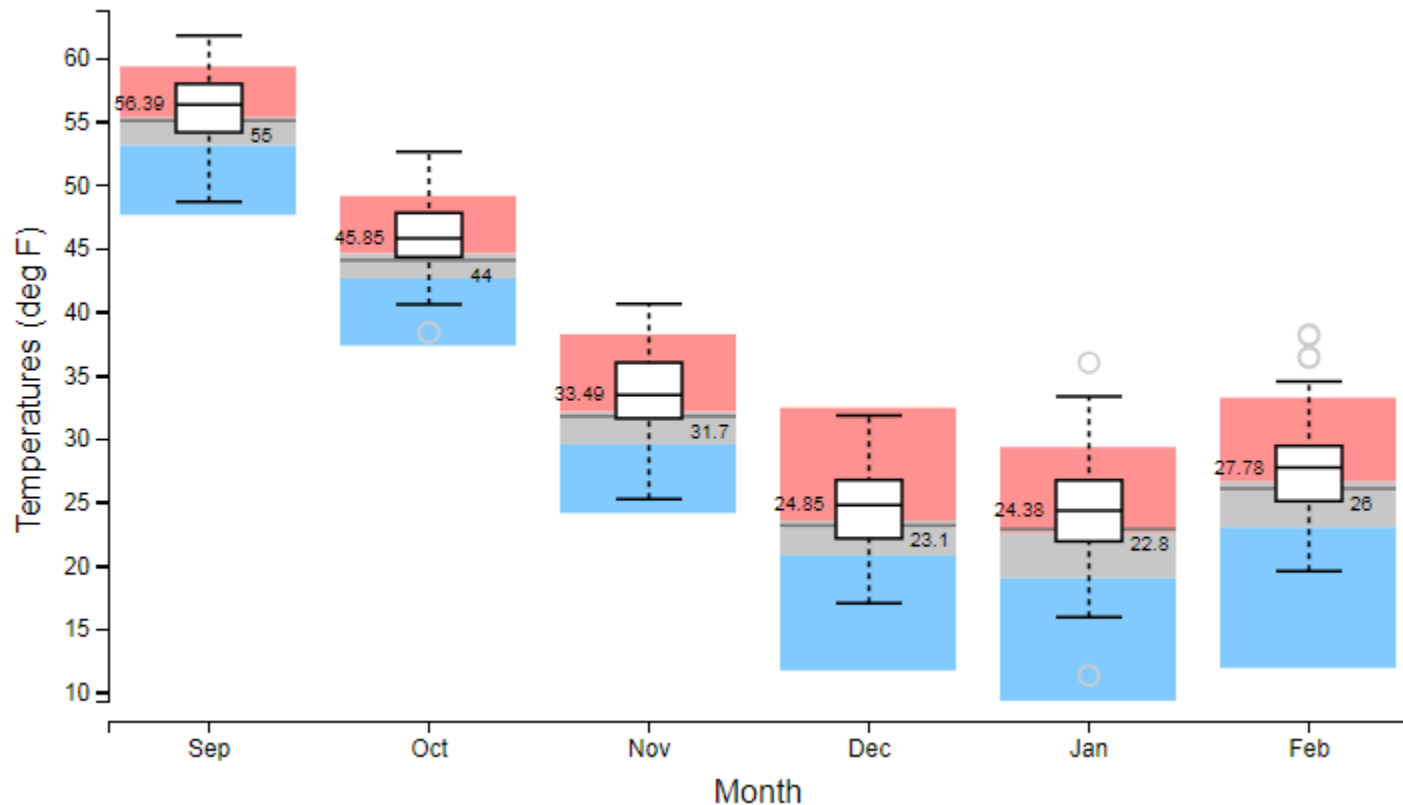


NLDAS Warm Season PET-Based Drought Classification for Summer 2012



Producing Seasonal Forecasts

Temperature forecast for the Upper Colorado Drainage in CO

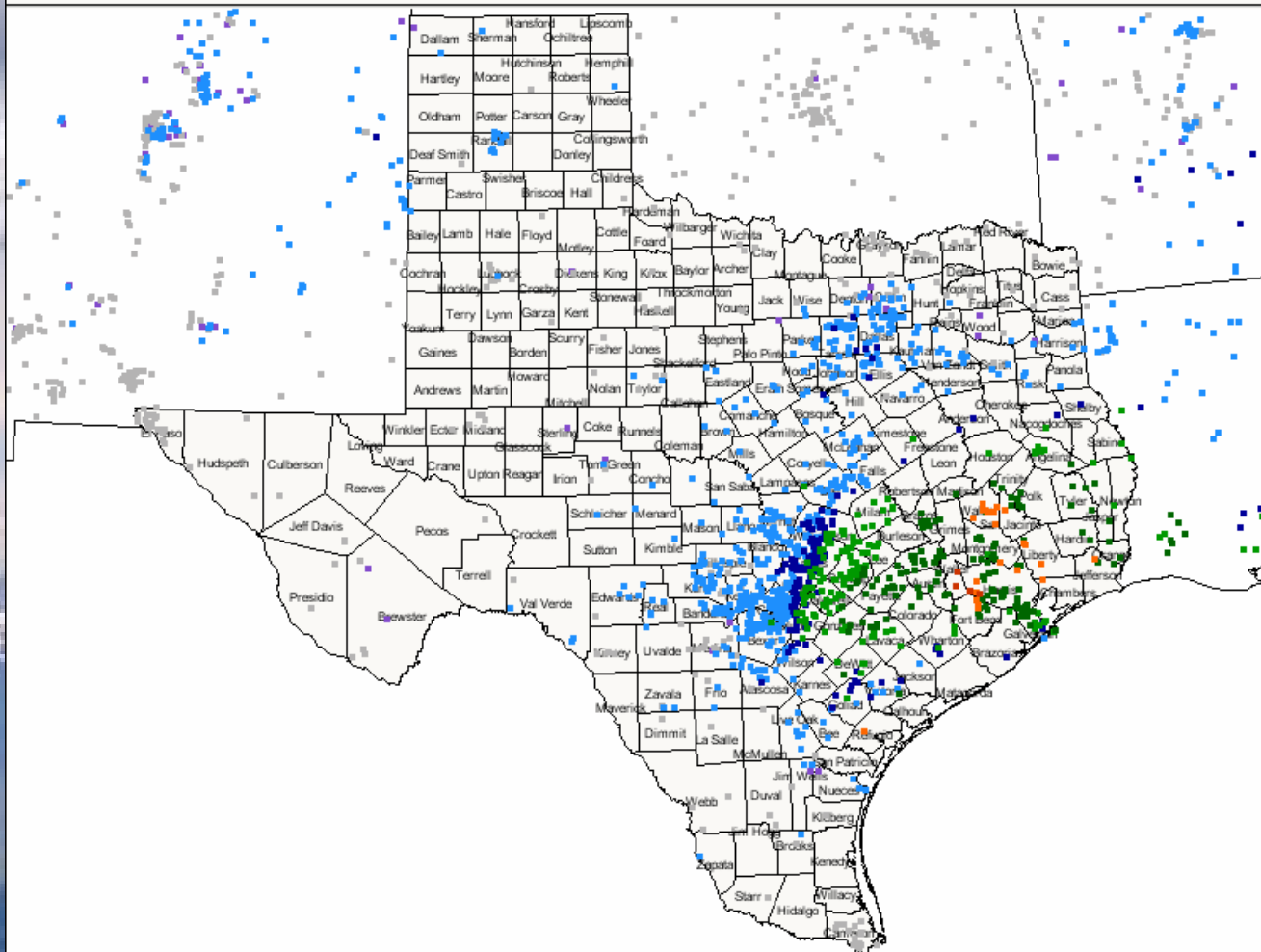


CoCoRaHS

Daily Precipitation (inches x.xx), for the 24 hour period ending ~7:00 am

Texas 8/28/2017

0.0 Trace 0.01 - 0.92 0.93 - 1.84 1.85 - 4.59 4.60 - 11.01 11.02 - 16.52 16.53 - 18.35



CoCoRaHS

Condition Monitoring Report

Station Number: ID-BR-27

Station Name: Sandpoint 13.9 NE

Report Date: 9/3/2017

Submitted: 9/03/2017 8:26 AM

Scale Bar: Severely Dry

Description: Severe fire restrictions on. No outdoor fires. No chainsaw use after 1PM etc. Meadow dry, brown, and crunchy.

Categories: General Awareness

- Condition monitoring allows us to track where drought conditions are deteriorating, at least in a colloquial sense

Questions?

