

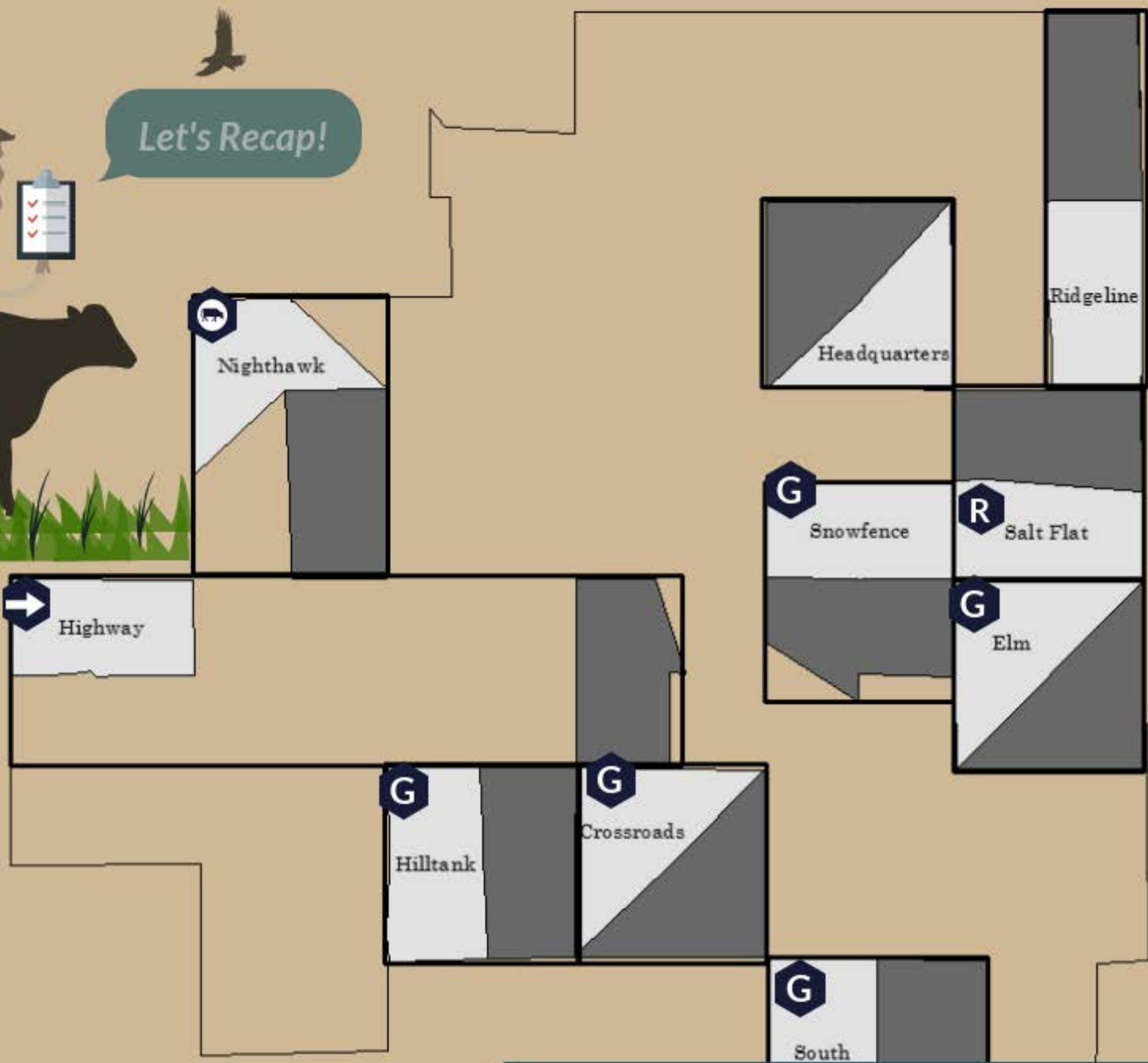


Greetings CARMers!

CARM needs stakeholder input!



Let's Recap!



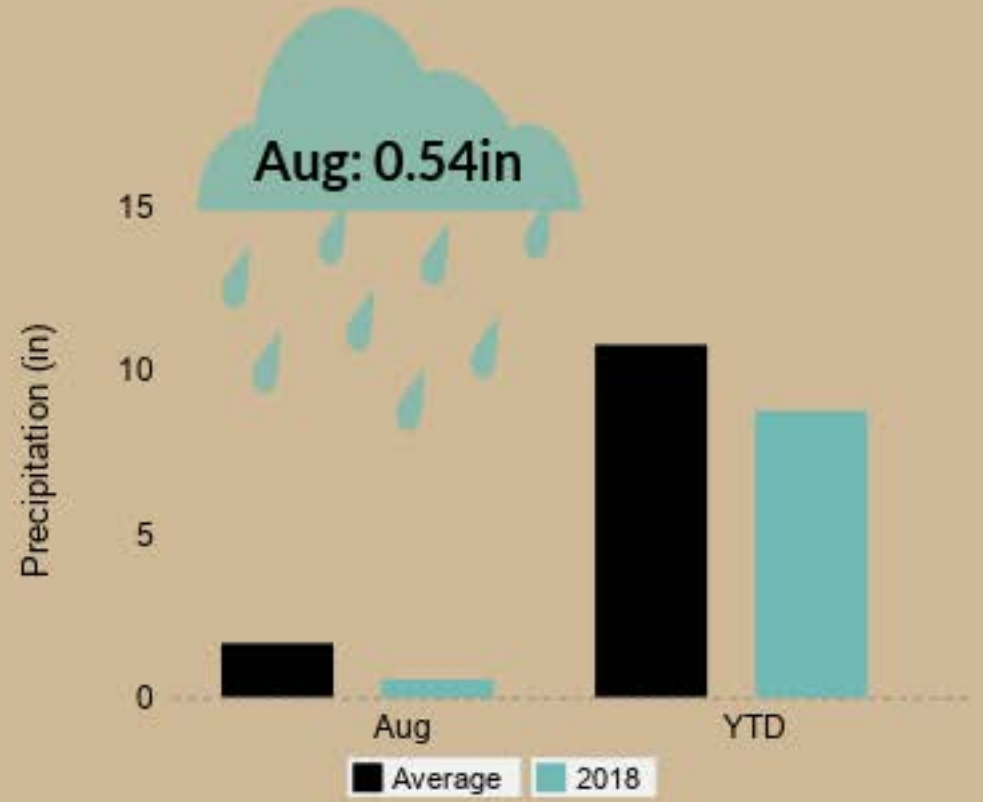
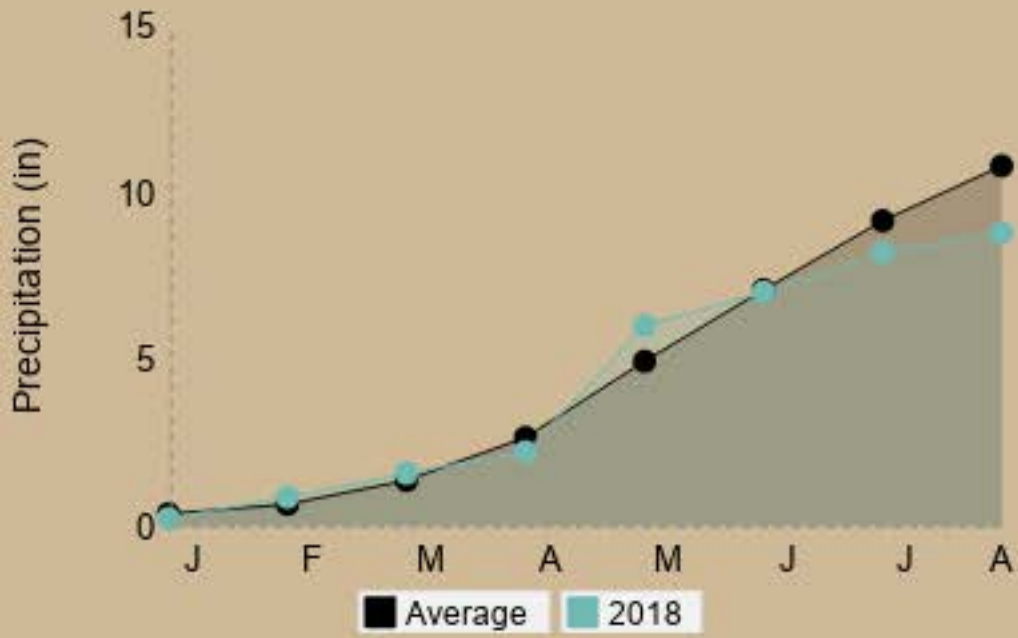
Proposed Rotation Changes

Chase the rain: Skip Highway (well down), move to Ridgeline until the days (21) or veg trigger, split remaining days between Salt Flat and HQ.

Please respond with your input ASAP.

Highlights of Happenings

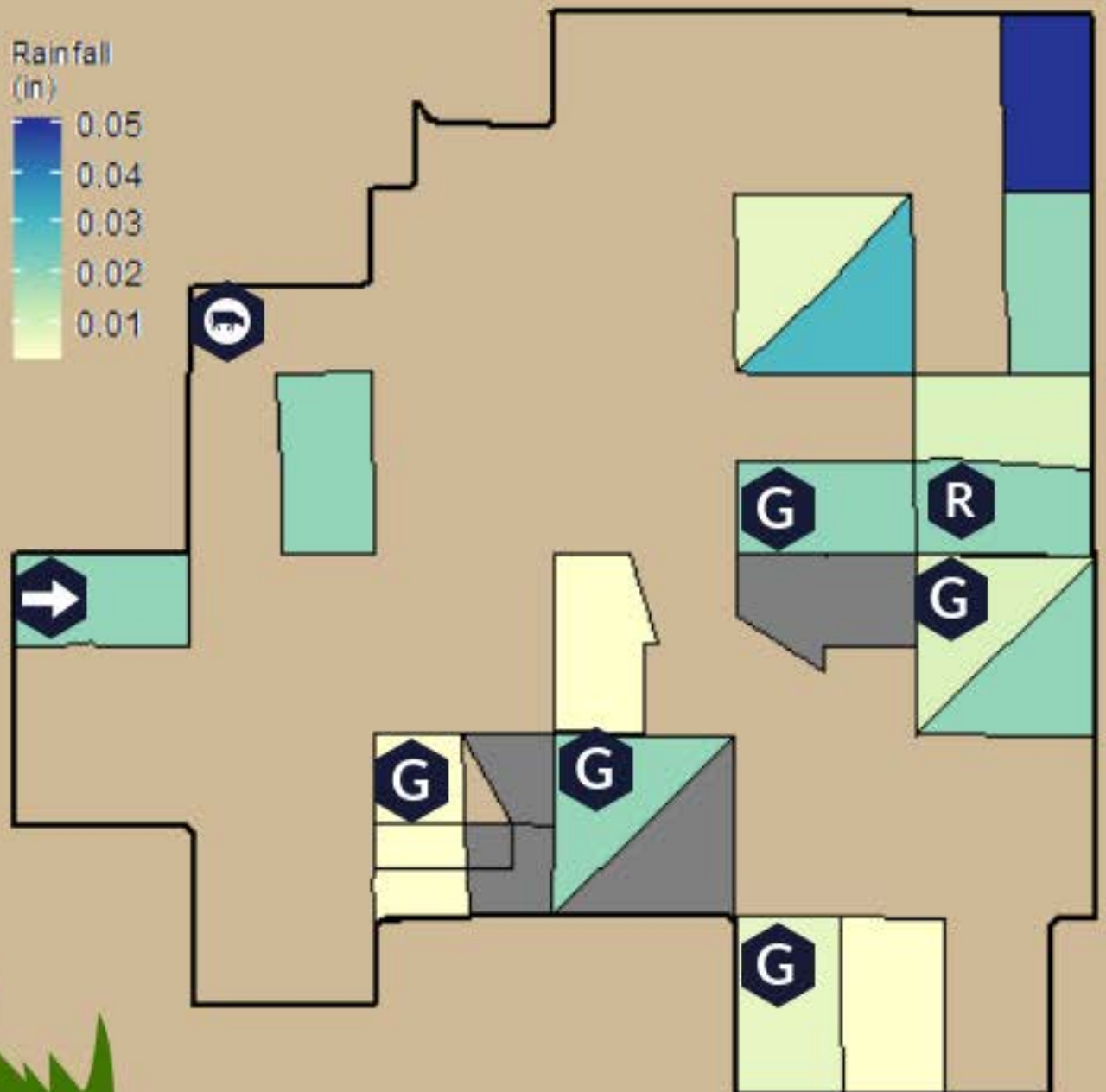
Rainfall Totals



Total Rainfall

2018-08-07 to 2018-08-14

Rainfall Distribution



Drought Monitor

Grass-Cast

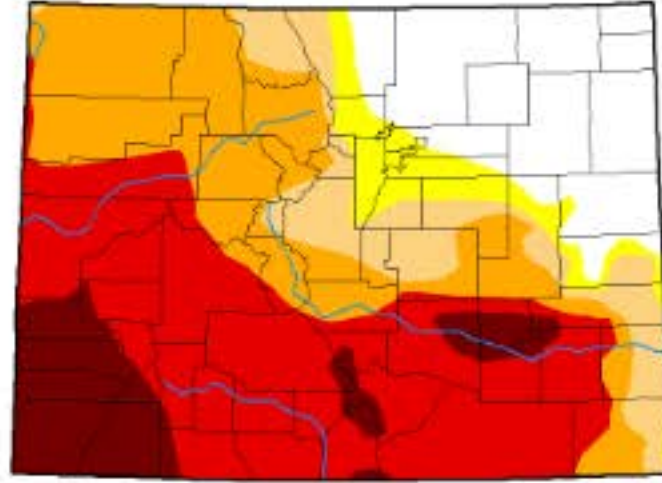


CARM - Nighthawk Sixweeks Fescue Dominated Pasture



U.S. Drought Monitor Colorado

July 31, 2018
(Released Thursday, Aug 2, 2018)
W 10:00 a.m. EDT



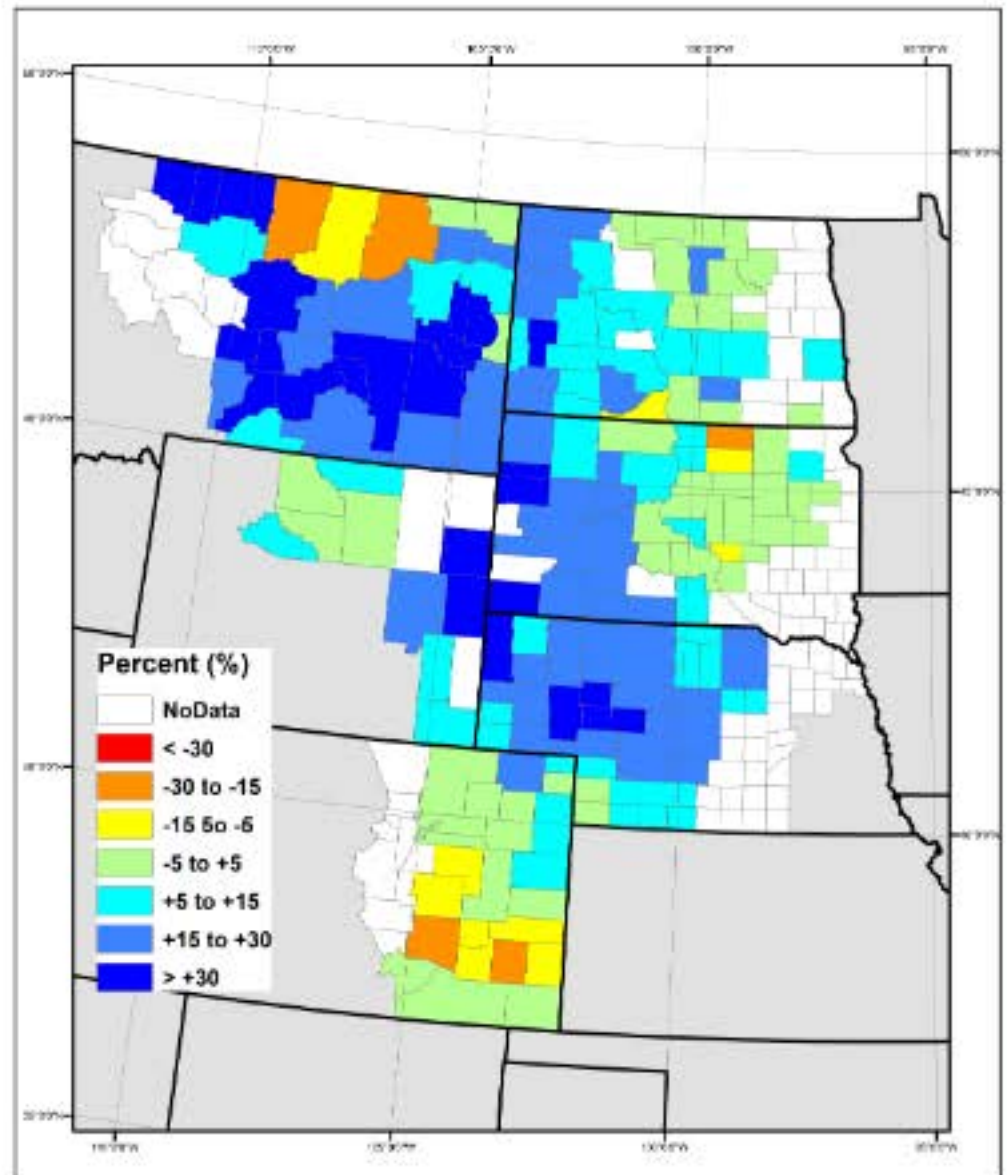
Author:
Chris Funk
NO-BUREAU OF AGRICULTURE

USDA NCEM NCEM NCEM NCEM
<http://droughtmonitor.unl.edu/>



Grass-Cast

Percent Change in 2018 Predicted ANPP Compared to 1982-2015 Mean ANPP Final Growing Season Estimate



Data are from 7/31/2018



Document Name: DR_Monitoring_ANPP_AUG_2018_FINAL
Date: 8/2/2018
Map produced by: BCI Services



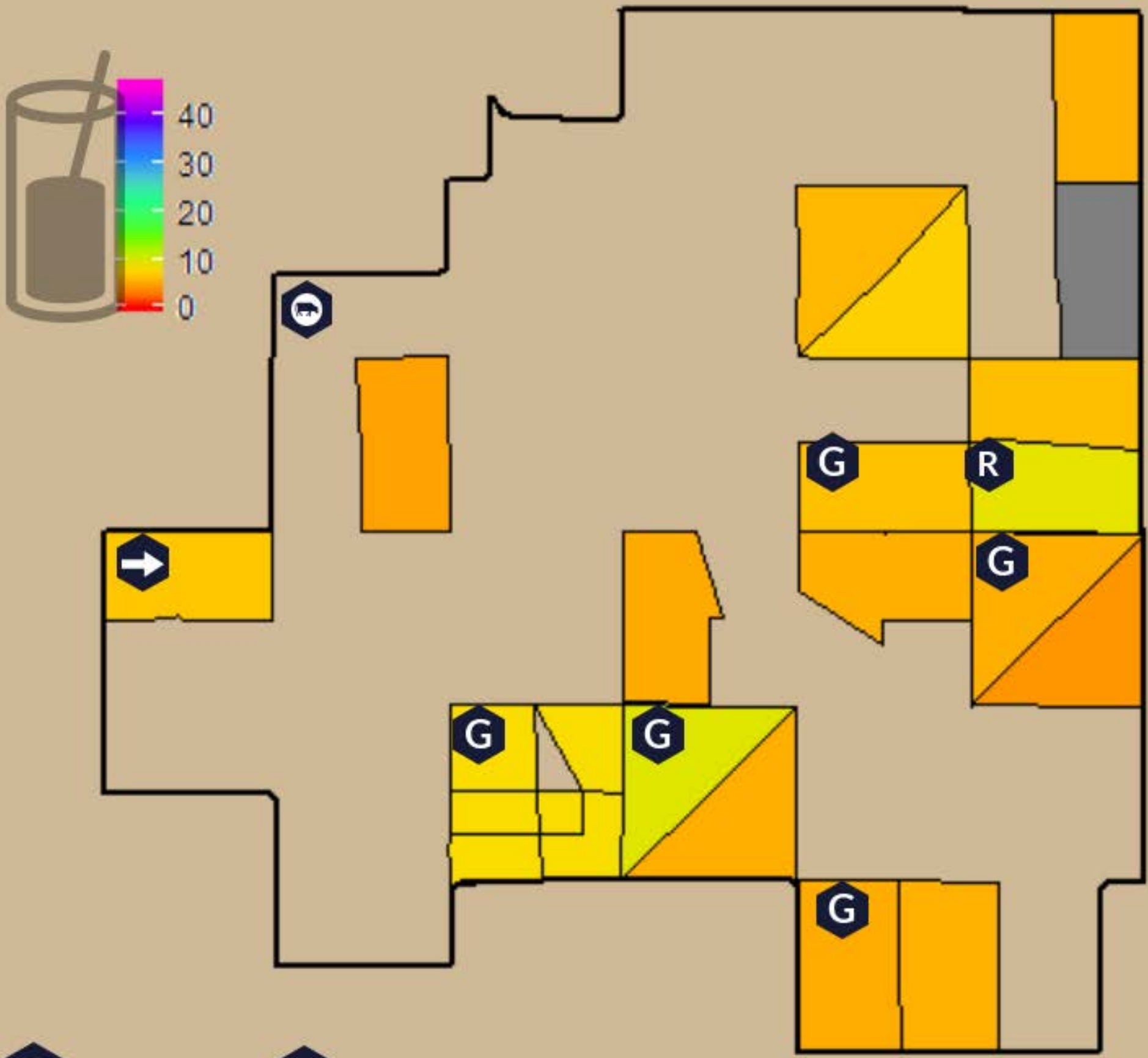
Soil Moisture Distribution

What's in our cup?

Although we saw rain, very little of that moisture made an impact on the soil profile in terms of available water.

Current Soil Moisture

2018-08-14



-  Herd
-  Next
-  Grazed
-  Rest



NOTE: Empty (E) is set at our pasture threshold of 450 lbs/acre NOT Zero lbs/acre.

Why is the tank still full?

Let's break this down...

Before calculating available forage, we must remove all species not considered palatable. These include species like Sixweeks Fescue (VUOC) or Prickly Pear (OPPO).

Once removed, we use the remaining robel measurements to calculate available forage, This is the value we produce in pounds per acre.

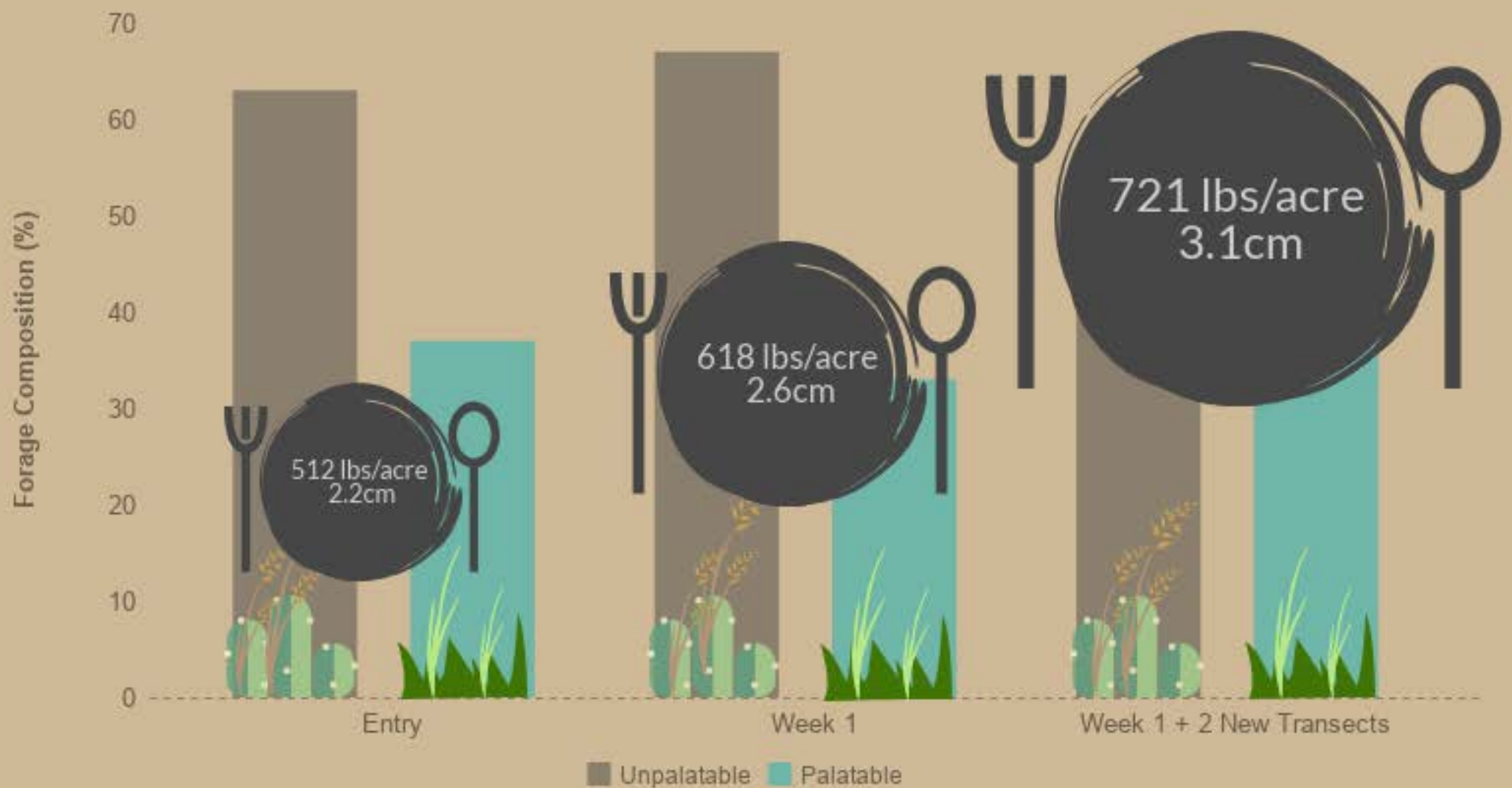
As displayed below, we measured large amounts of Sixweeks Fescue on the original four transects.

This is a good year for Sixweeks Fescue.



By adding two more robel transects, in an underrepresented portion of the pasture, we increased the percentage of palatable species from 33% to 46%.
A much better representation.

This is the first time we've added additional transects this season, however not the first time for this project.



A couple years ago we did the same thing in Hilltank, added 4 additional transects (in underrepresented areas) to compensate for the Sixweeks Fescue rebel readings.

Cowboy Report



The cattle are happy, healthy, & grazing across the pasture in large groups.



NOTE: Empty (E) is set at our pasture threshold of 450 lbs/acre NOT Zero lbs/acre.

What we're seeing on the ground.

A large amount of Sixweeks Fescue



NOTE: Graph represents the percentage of robel hits by species.

Cowboy Report

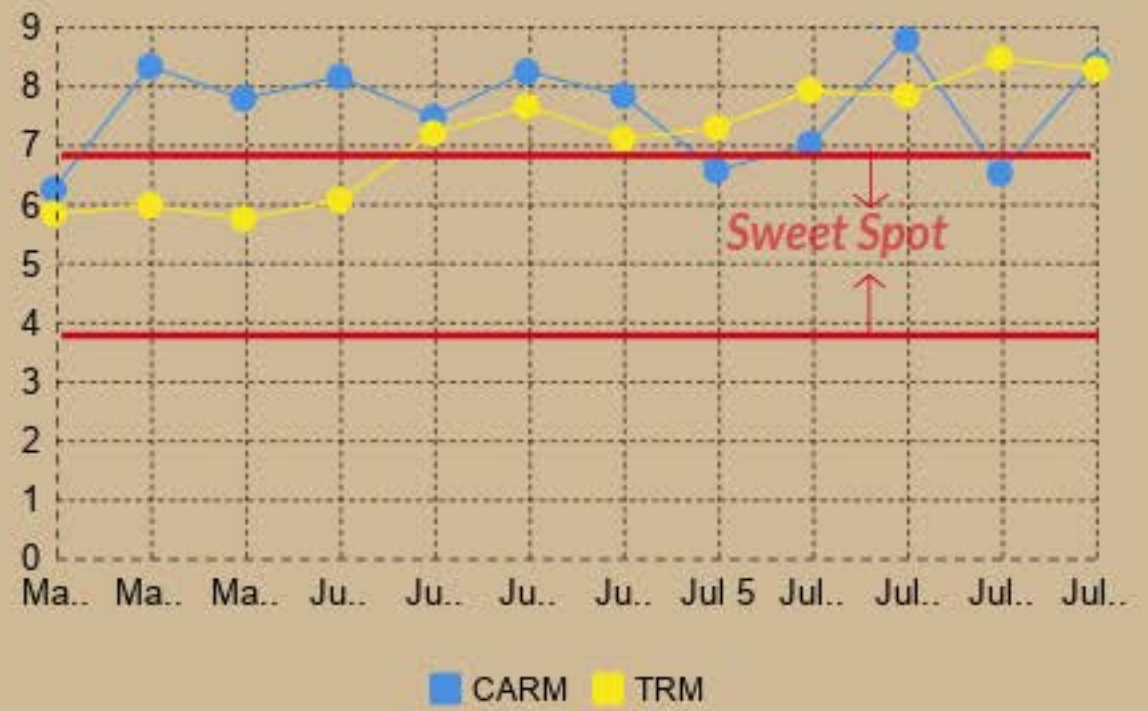
The cattle are grazing in large groups, spread out across all topography.



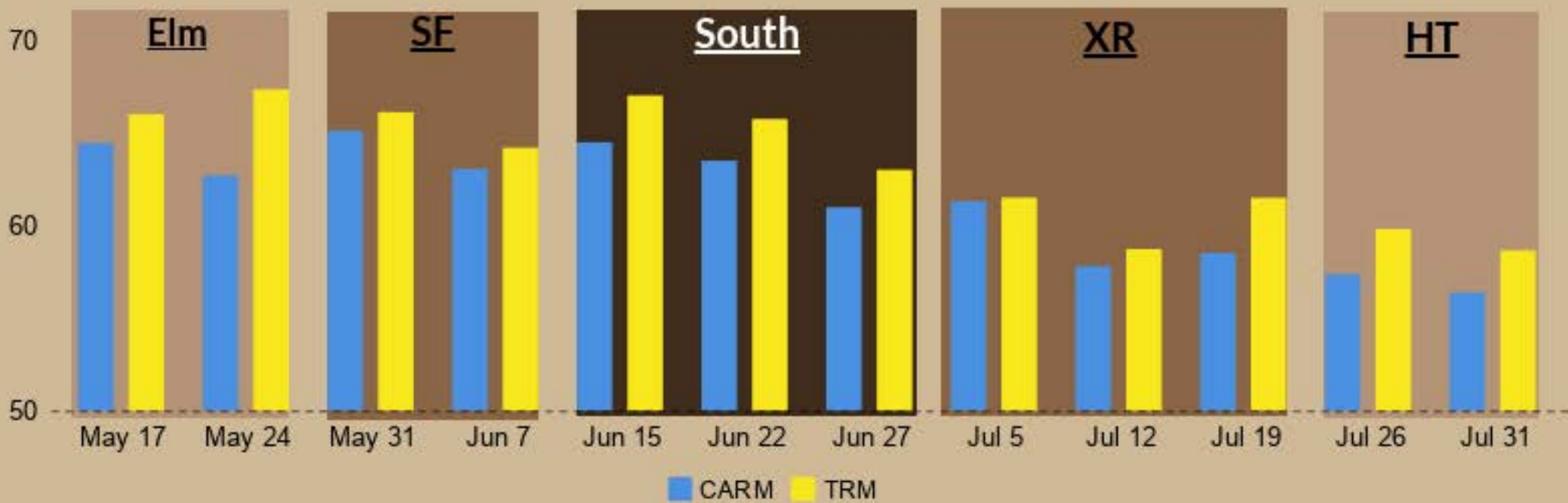
The Scoop on Poop



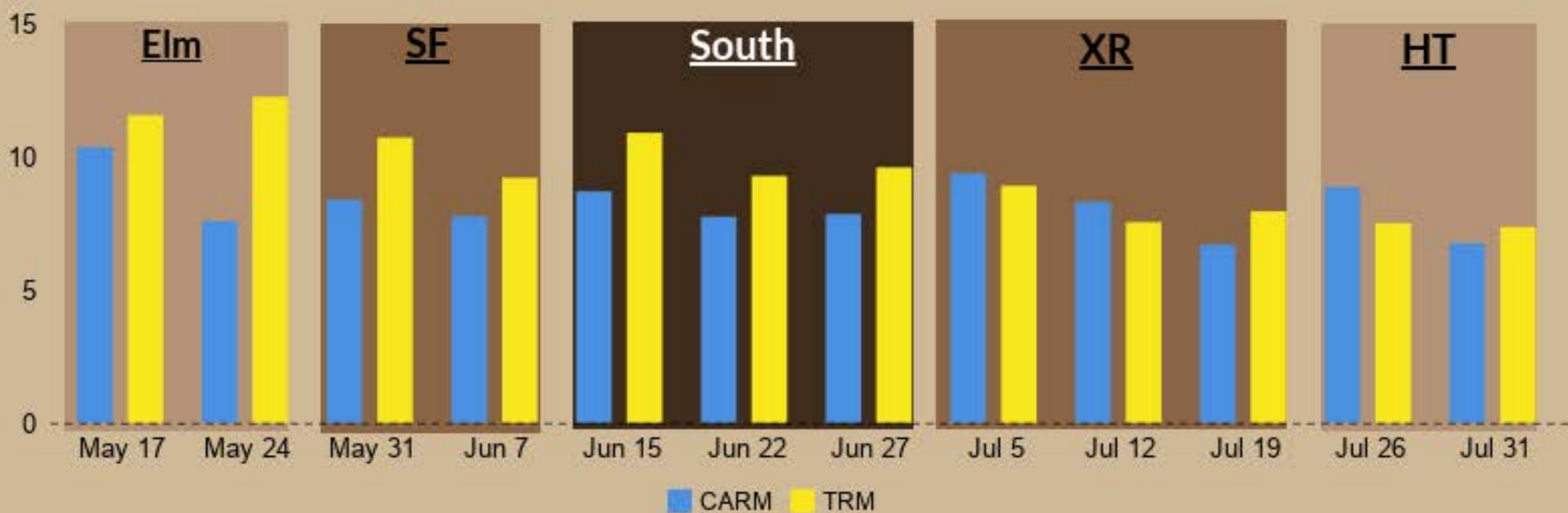
DOM:CP Ratio



Digestible Organic Matter (%DOM)



Crude Protein (%)





Tech Note:
- Clipping cruising right along.



This Week



Last Week



Two Weeks Ago

*Desktop
Field View*



Up & Coming

- Fecal Samples
- Thunder Basin Field Day
- CARM Clipping continues

CARM Paper Published!!!



On behalf of the USDA-ARS
Rangeland Resources & Systems Research Unit,
I thank you all
for your continued participation
in this project.

Happy Trails!



For detailed precipitation
data, maps, last year's
updates, Scientist bios, and
CARM documents, see our
website:



ALL access data!