Greetings CARMers!

Let's Recap!

Nighthawk
R

Highway
G

Headquarters
G

Ridgeline
R

Snowfence
Salt Flat
G

Elm
G

Hilltank
G

Crossroads
(Herd)

South
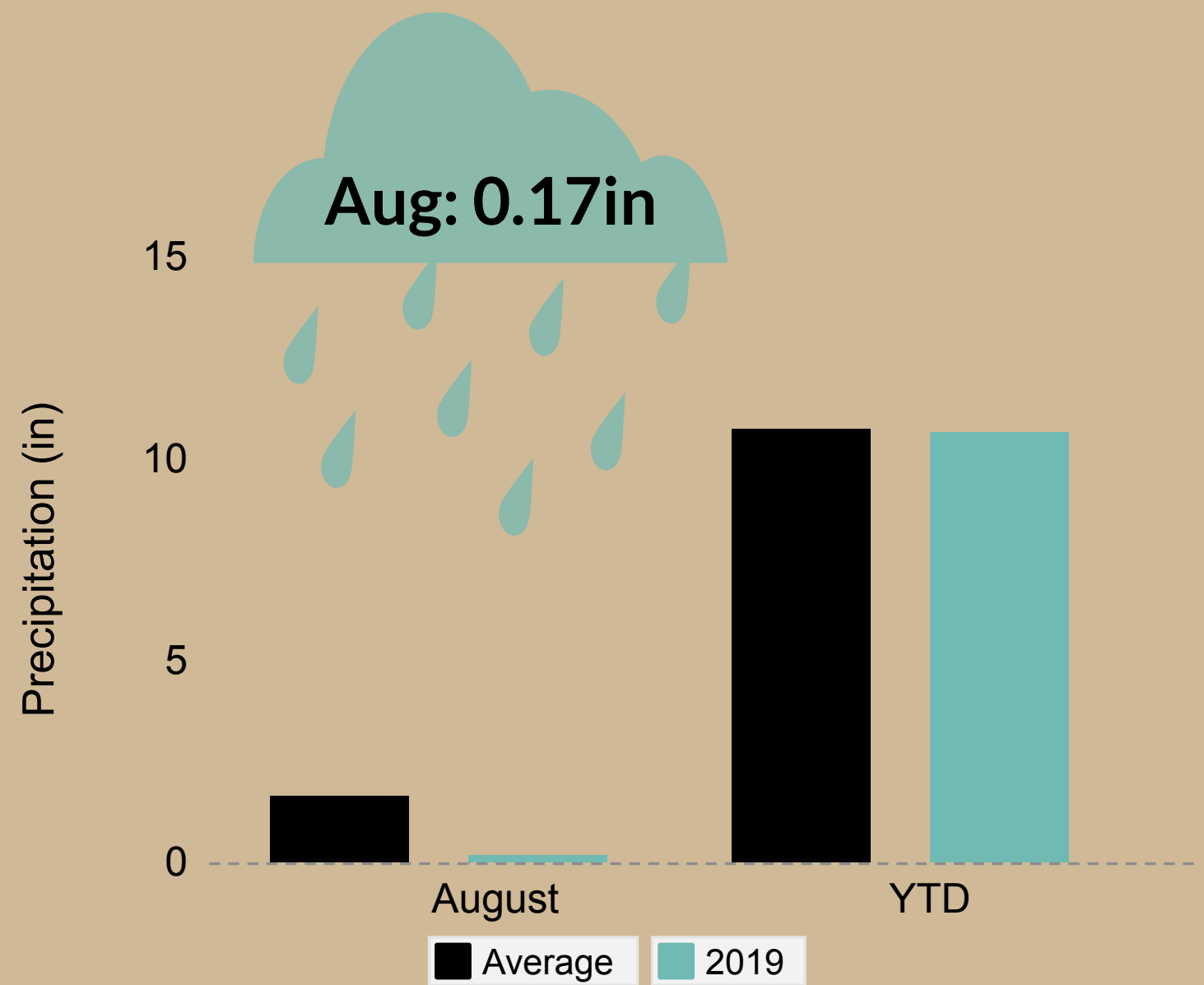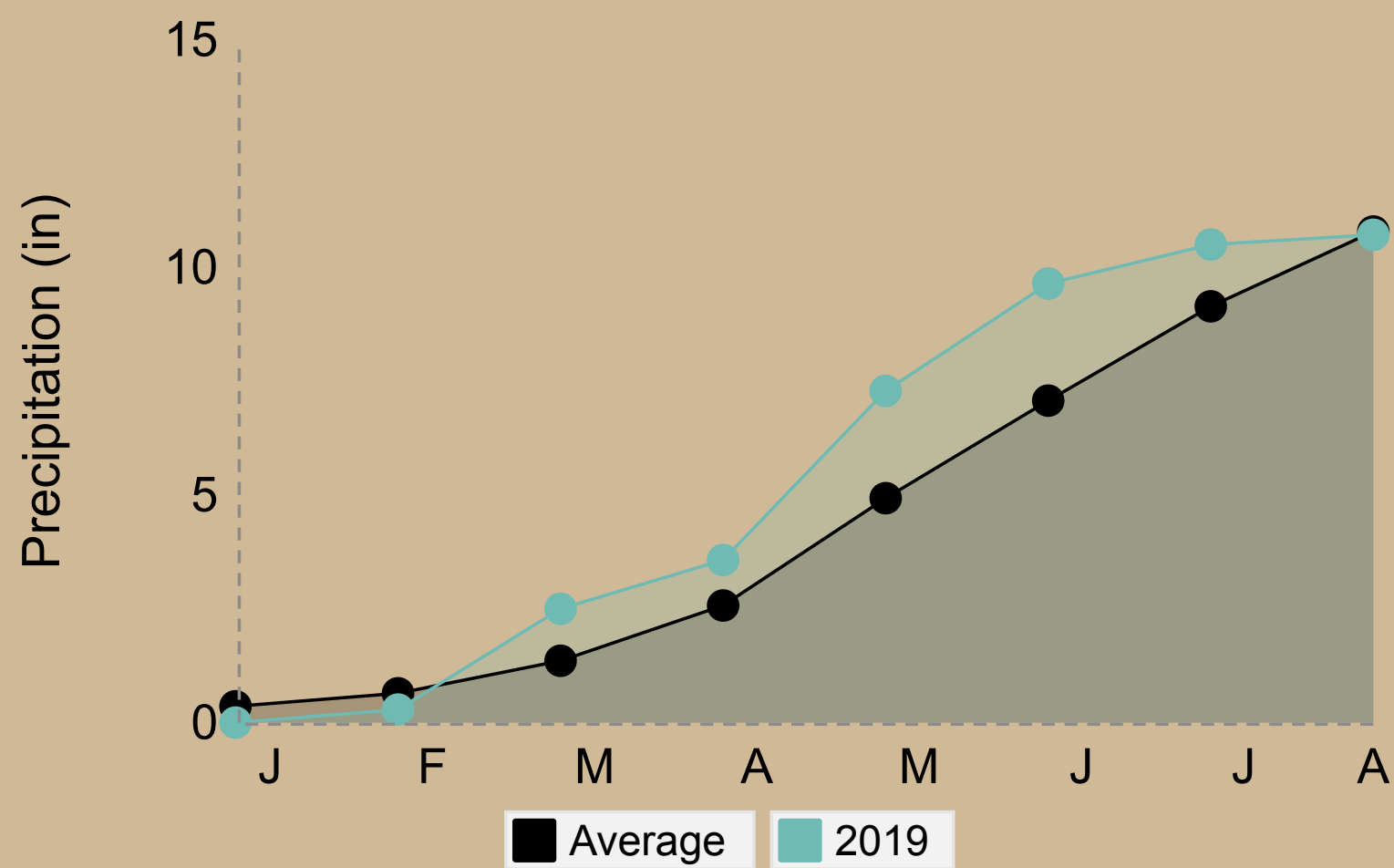(Next)
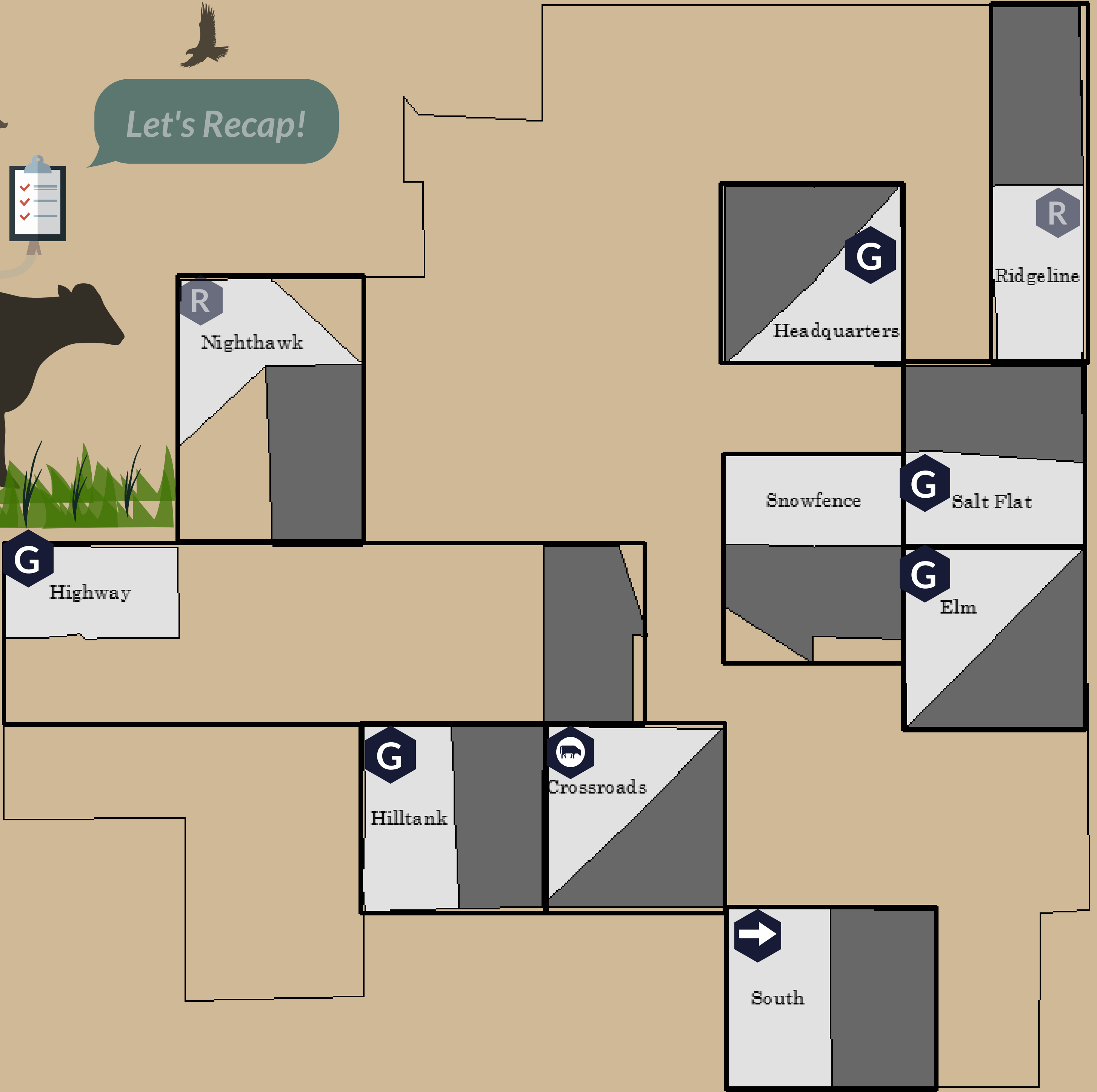
Pasture Stats:

- Mixed Soils
- Warm & Cool Season Grasses
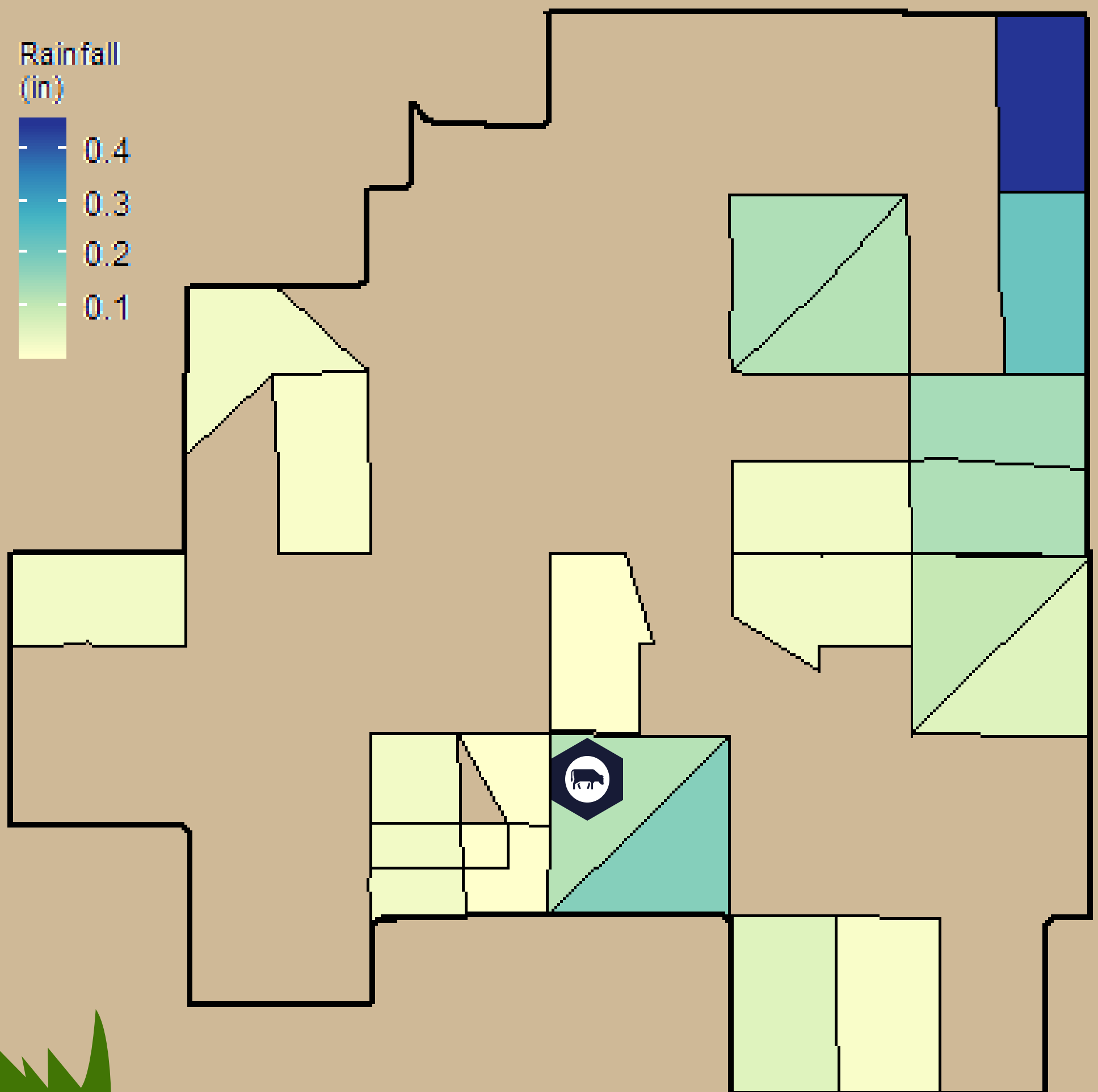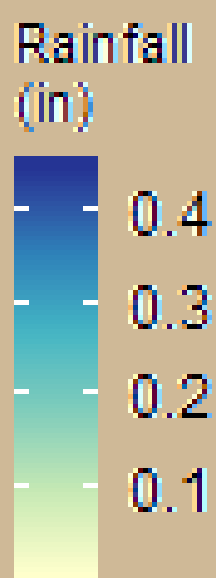- Vegetation Threshold 500 pounds/acre

Highlights of Happenings

Rainfall Totals

Precipitation (in)

15

10

5

0

J F M A M J J A

■ Average ■ 2019

Aug: 0.17in

Precipitation (in)

15

10

5

0

August   YTD

■ Average ■ 2019

Total Rainfall
2019-08-04 to 2019-08-11

Last Week's Rainfall
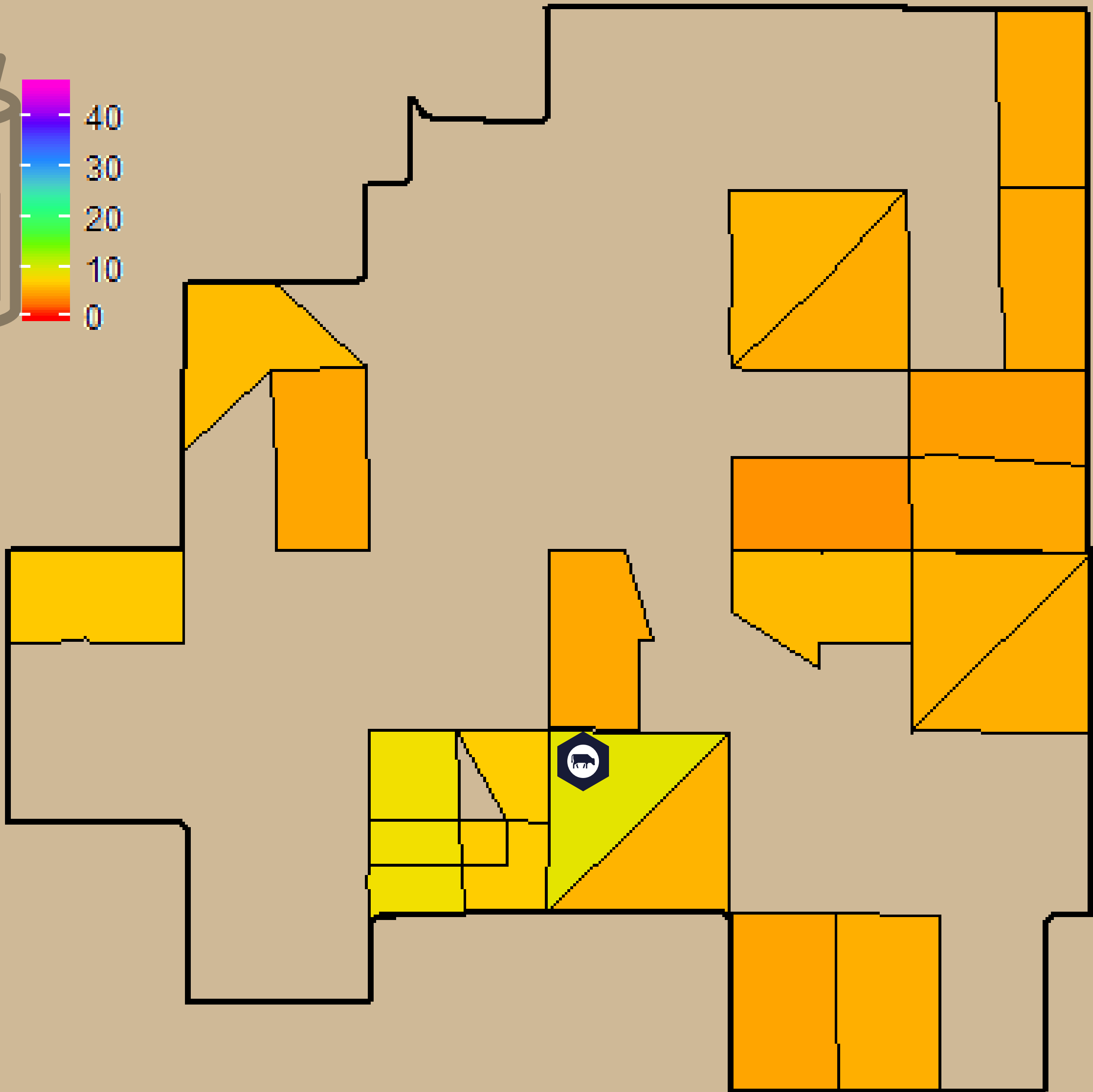
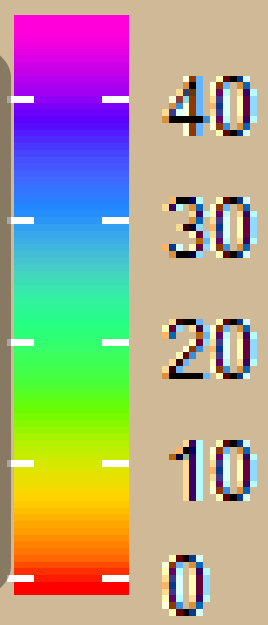Rainfall (in)

0.4
0.3
0.2
0.1

Drought Monitor

Grass-Cast
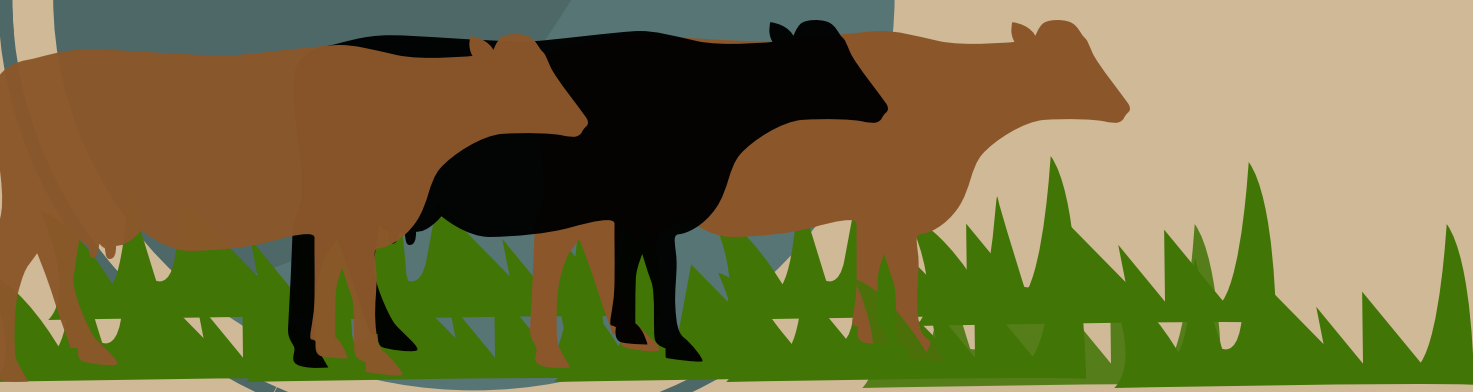
Soil Moisture Distribution

What's in our cup?

The station is drying out.

Current Soil Moisture

2019-08-11

649 lbs/acre
2.8cm
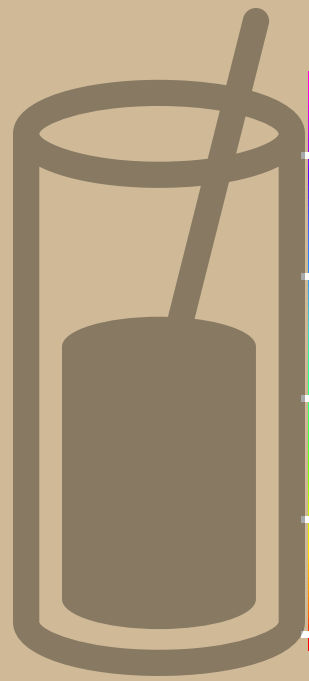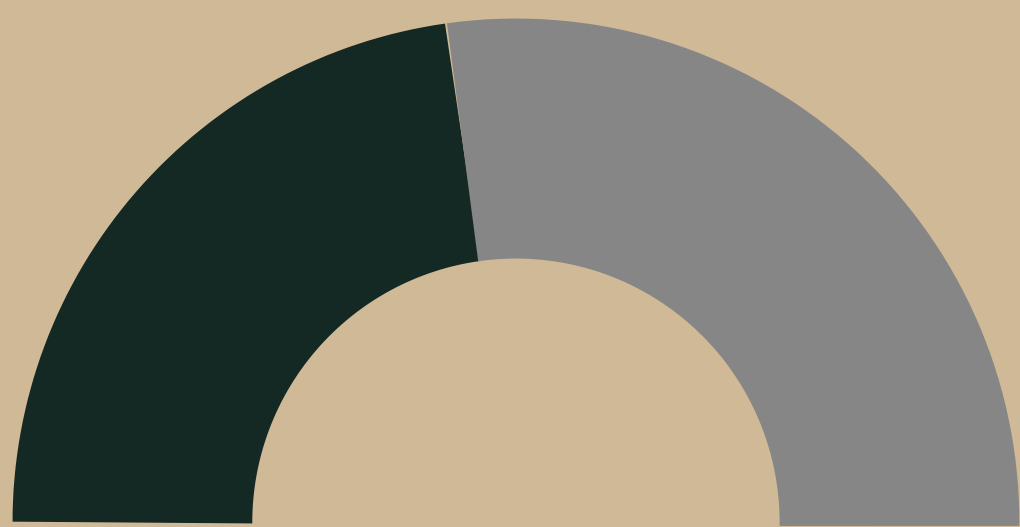
E   F

NOTE: Empty (E) is set at 500 lbs/acre

Exit Forage Residual

What we've left behind...

Forage (pounds per acre)

800
700
600
500
400
300
200
100
0

HQ   Elm   Saltflat   Highway   Hilltank

■ Threshold   ■ 2019 Exit Forage

Cowboy Report

Pasture Day
9
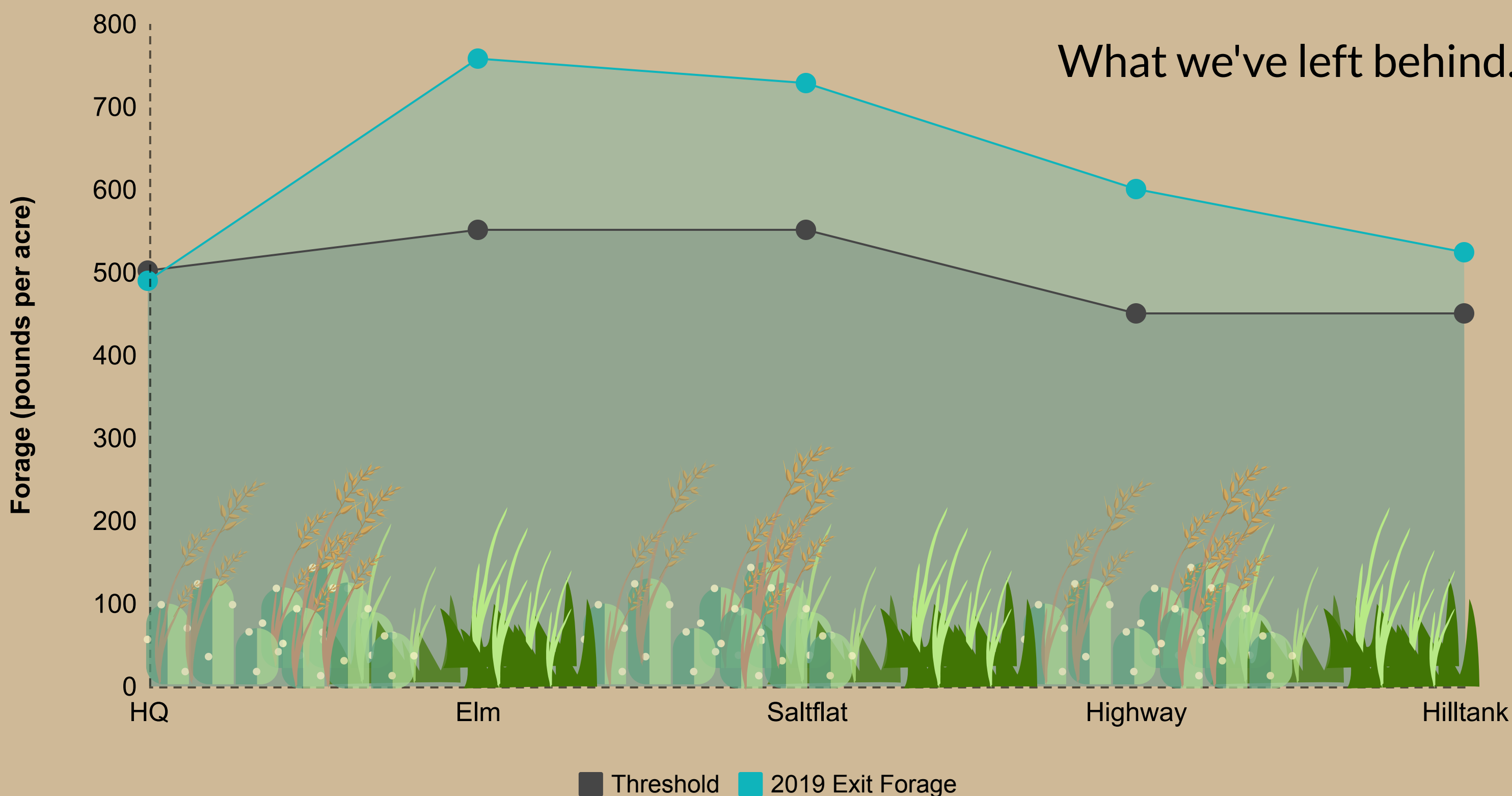
Cattle are spread out across the
pasture, nothing exiting to note.

Weekly Herd Average

Weight (pounds)

1000

800

600

5/14 5/19 5/26 6/2 6/9 6/16 6/23 6/30 7/7 7/14 7/21 7/28 8/4 8/11

CARM - 864
Sandy - 904
Loamy - 902
P. Dog - 902

■ CARM ■ Sandy Soil ■ Loamy Soil ■ Loamy with Prairie Dog

LTGI Report
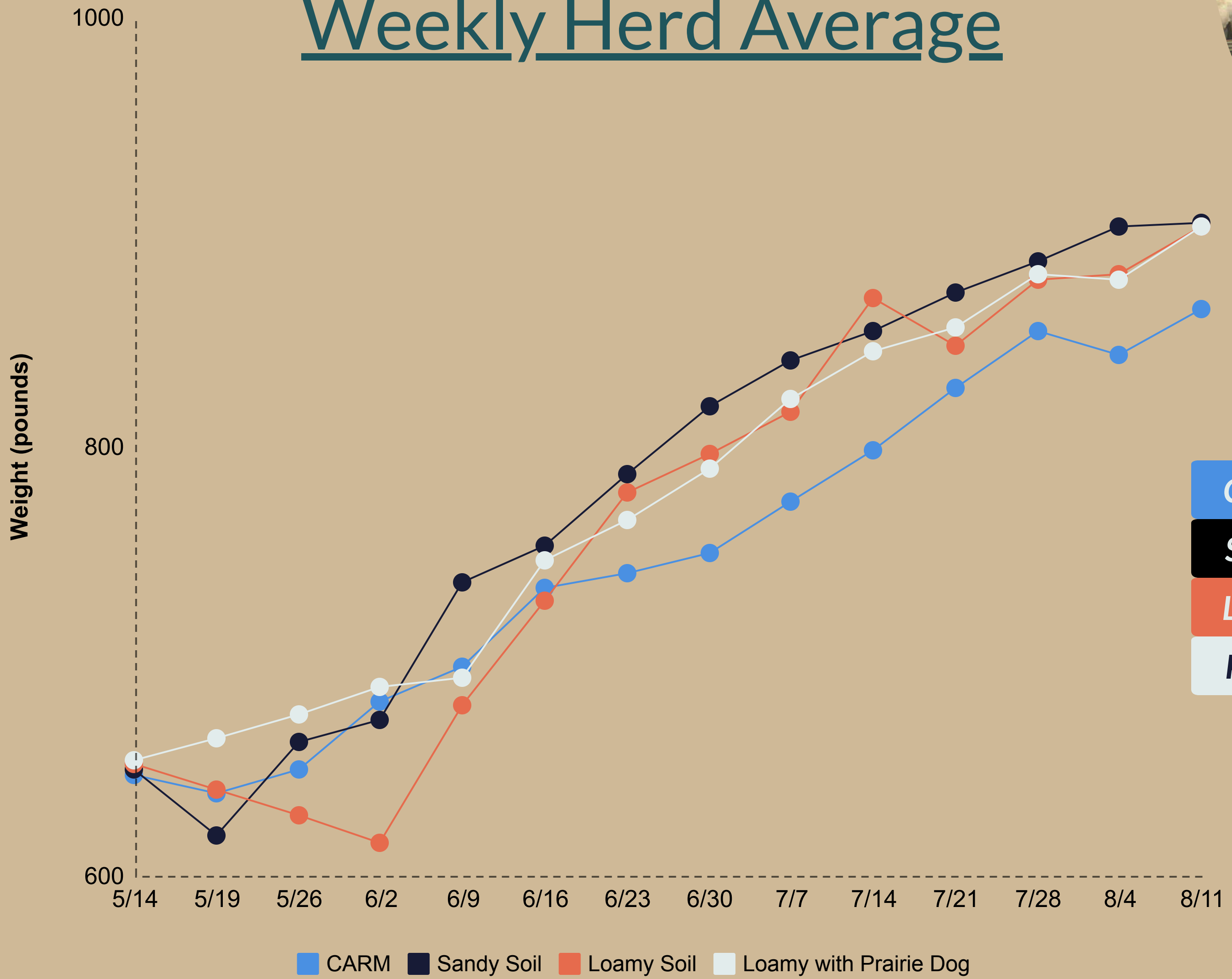
LTGI Average Daily Gains
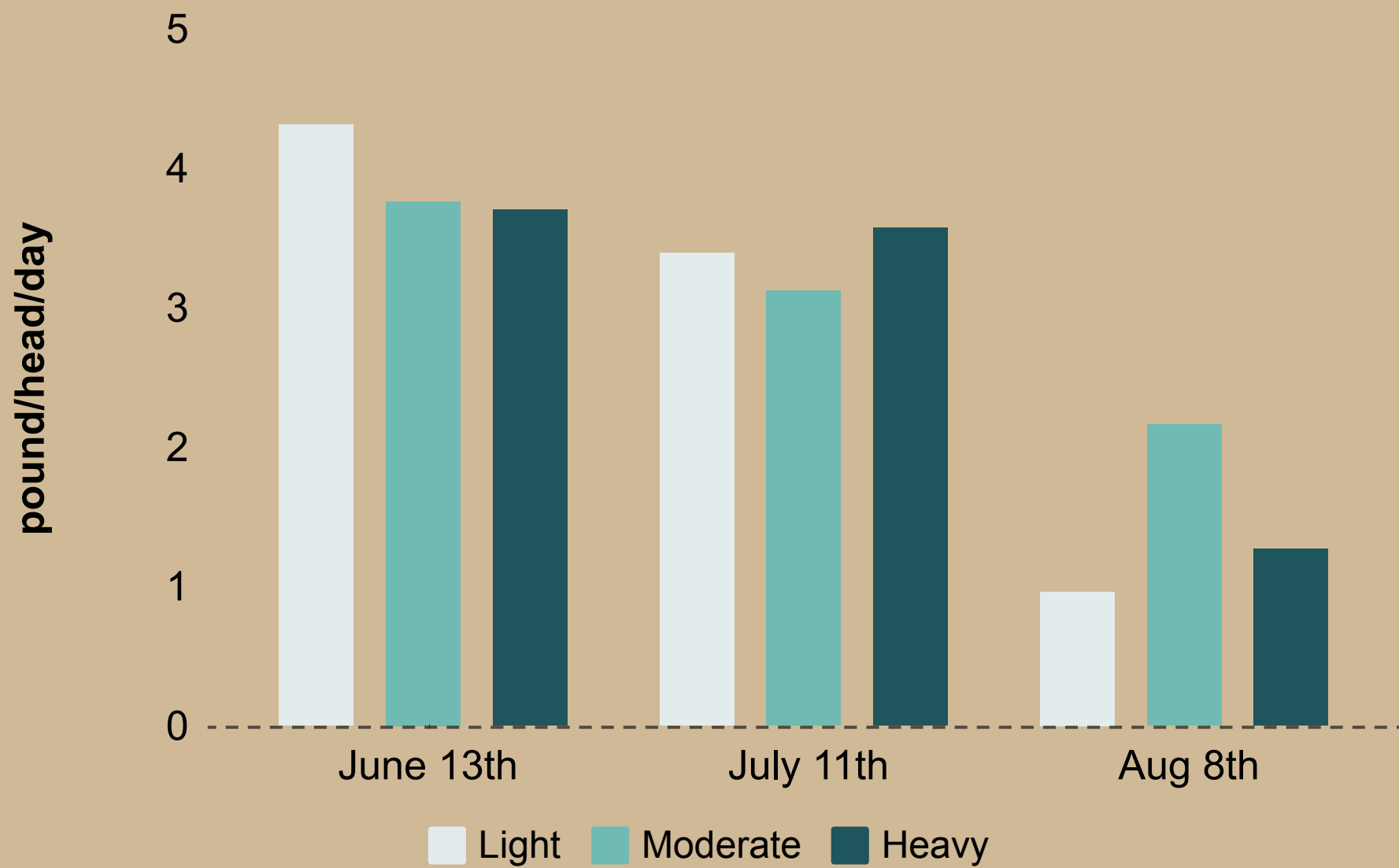
The cool, wet summer played a strong role in those early gains, especially in the heavier stocked pastures.

Naturally, as we've dried out the gains have responded as such.

DOM:CP Ratio

Photo Credit: Matt Mortenson

Legend: ■ 2018   ■ CARM

Digestible Organic Matter (%DOM)
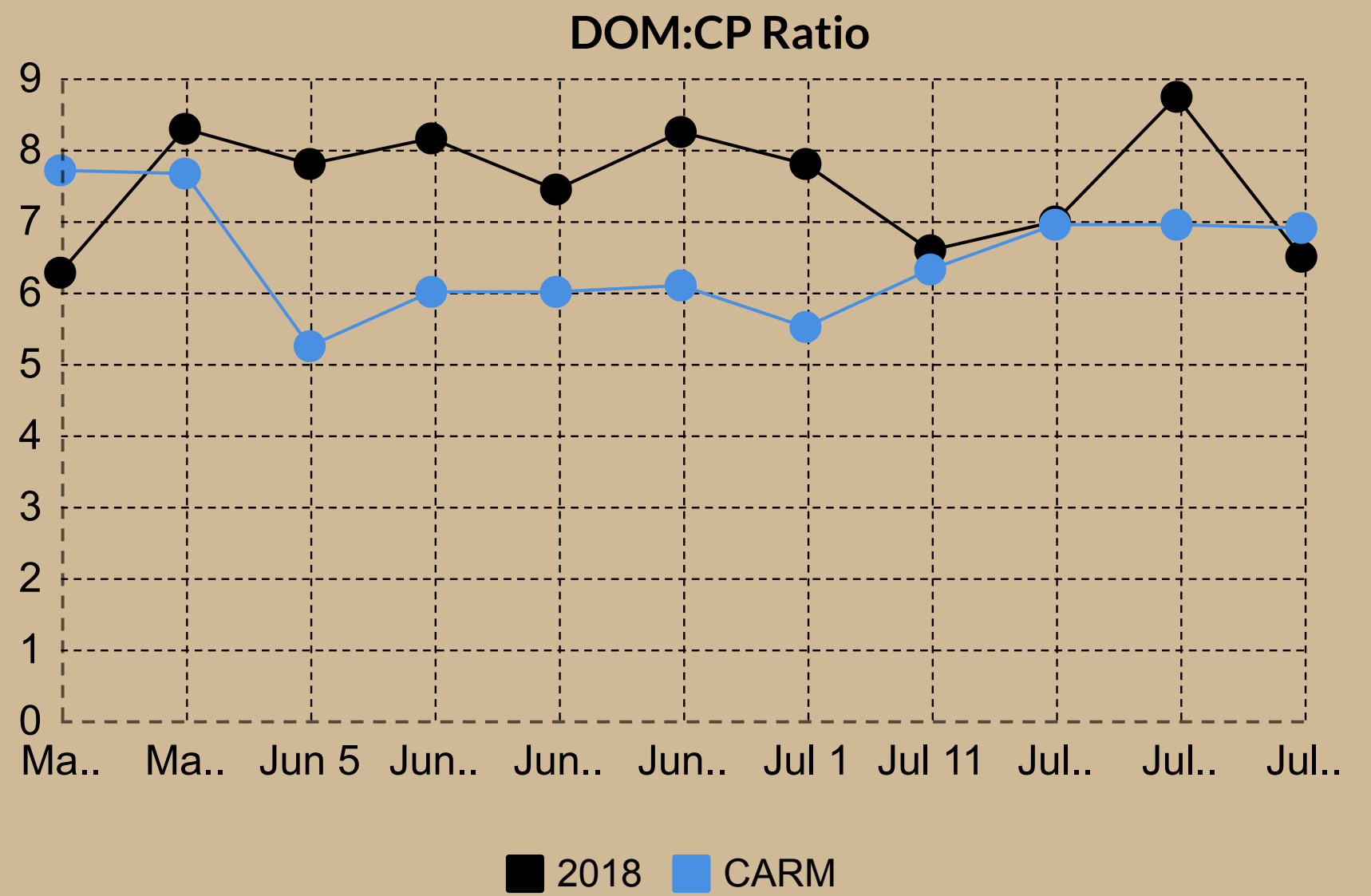
HQ | **Elm** | **SF** | **HW** | **HT**

May 24 · May 30 · Jun 5 · Jun 11 · Jun 18 · Jun 26 · Jul 1 · Jul 11 · Jul 17 · Jul 23 · Jul 31

Legend: ■ CARM   ■ TRM

Crude Protein (%CP)

HQ | **Elm** | **SF** | **HW** | **HT**

May 24 · May 30 · Jun 5 · Jun 11 · Jun 18 · Jun 26 · Jul 1 · Jul 11 · Jul 17 · Jul 23 · Jul 31

Legend: ■ CARM   ■ TRM

analyzing...
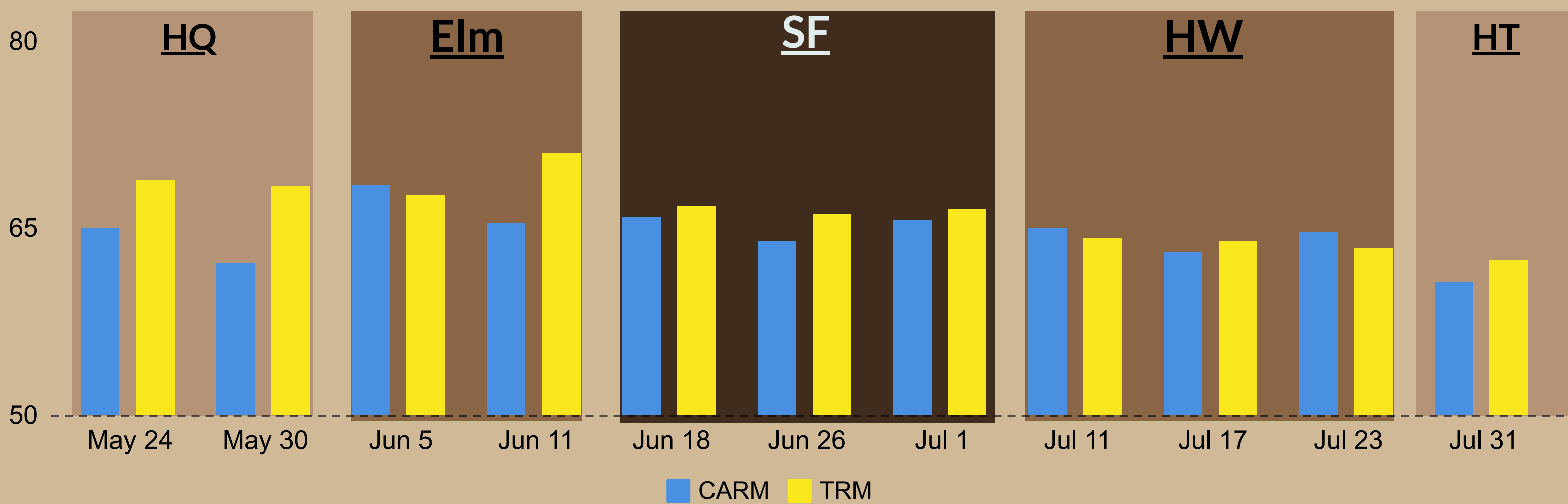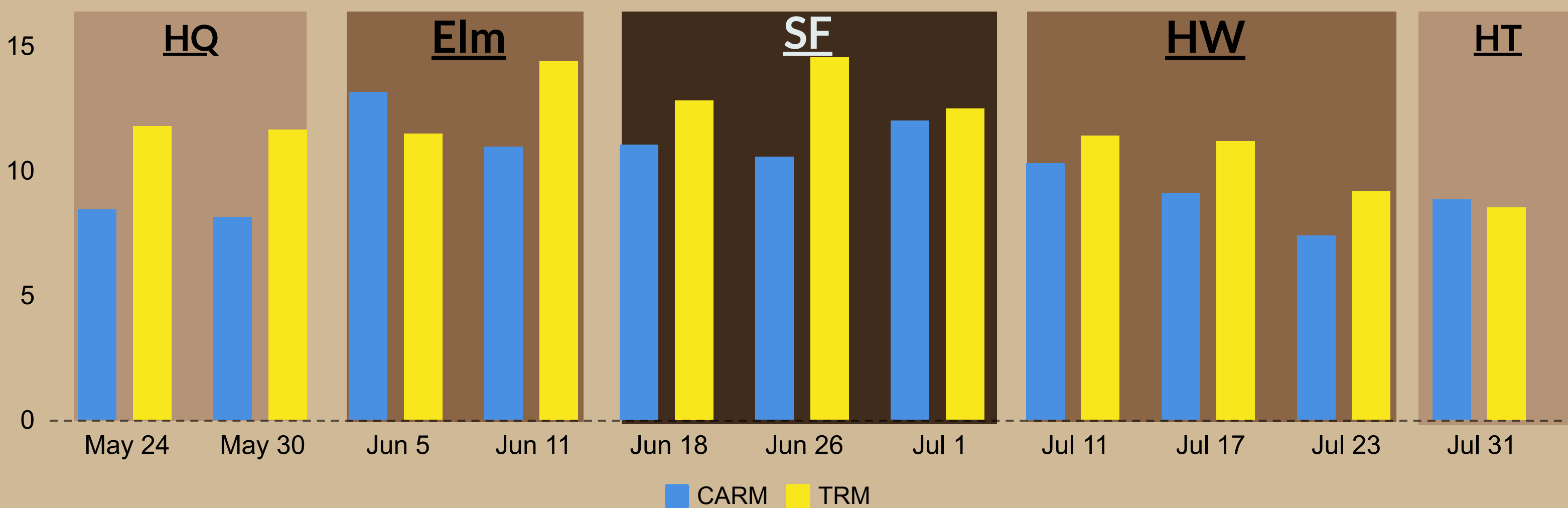
Tech Note:

- Summer students are slowly trickling back to campus.

This week

Last week

Grazing Rotation Record

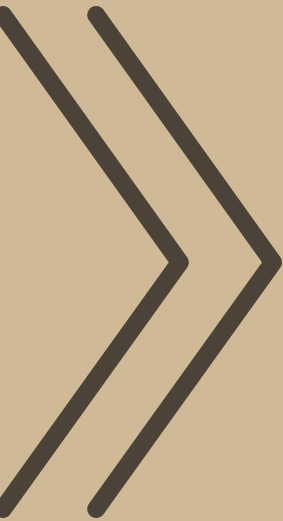| Pasture	Notes from April	Date In	Date Out	Trigger Used	Notes
	What we wanted to happen	**What actually happened**			
1) Headquarters	Shoot for 14 days	17-May	29-May	VOR	Cold wet spring, less growth
2) Elm	Shoot for 14 days, more cool seasons- wt gains	29-May	12-Jun	Max Days	
3) Saltflat	More mixed sp. Composition-wt gains	12-Jun	1-Jul	Max Days	Took weights on the
4) Highway	Gain potential	1-Jul	23-Jul	Max Days	
5) Hilltank	MCLO	23-Jul	8-Aug	VOR	Extrapolating their
6) Crossroads	MCLO	8-Aug			
7) South	MCLO, but will be grazed later to miss Four-wing				
8) Snowfence	Gains, last 14 days				
9) Ridgeline	Rest for GHSP, grassbank				
10) Nighthawk	Rest increase gain here by resting C3, and because it is not a MCLO pasture				

Always greener on the other side of the fence.

CARM herd in Crossroads.

Desktop Field View

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!