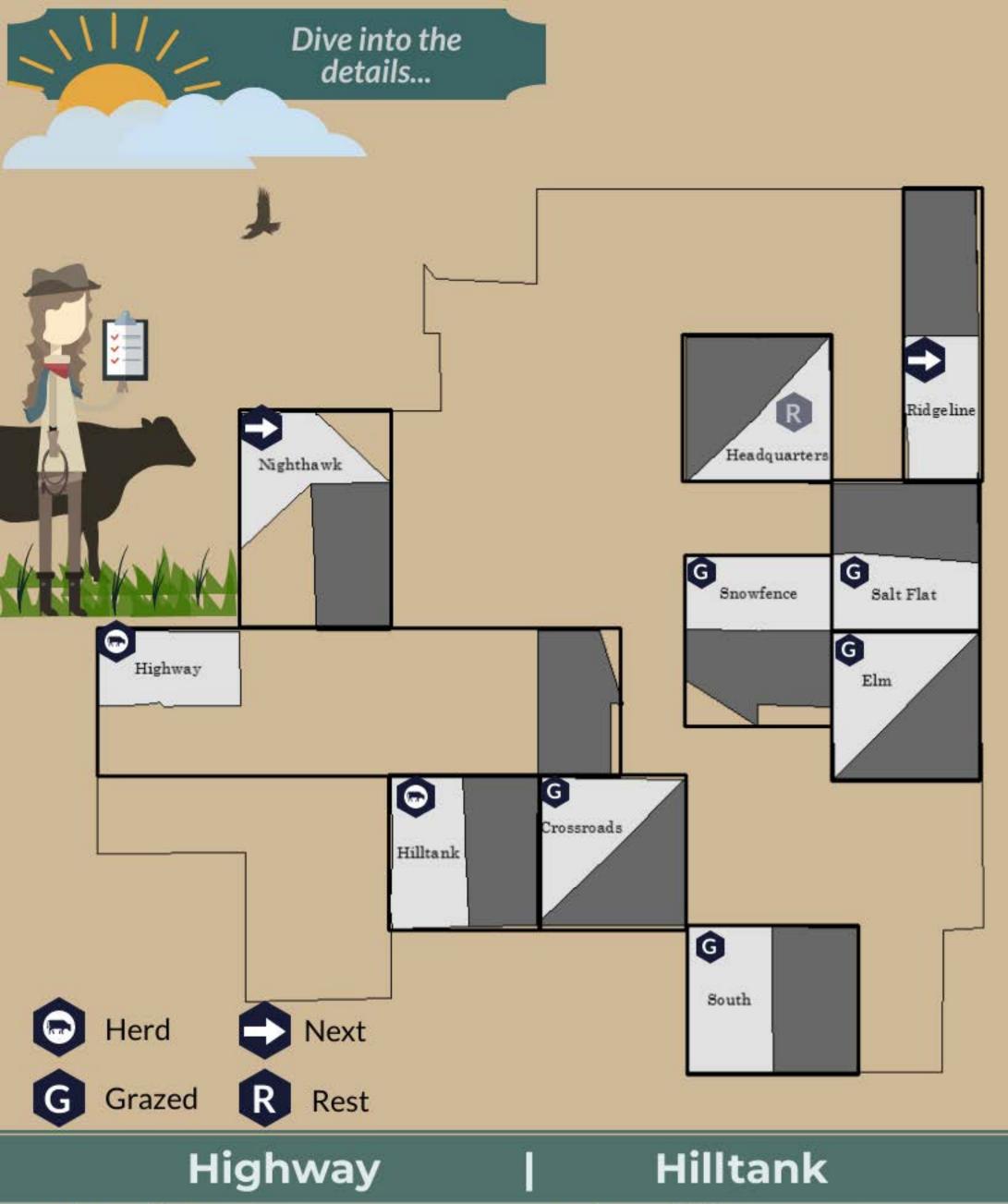
# Collaborative Adaptive Rangeland Management



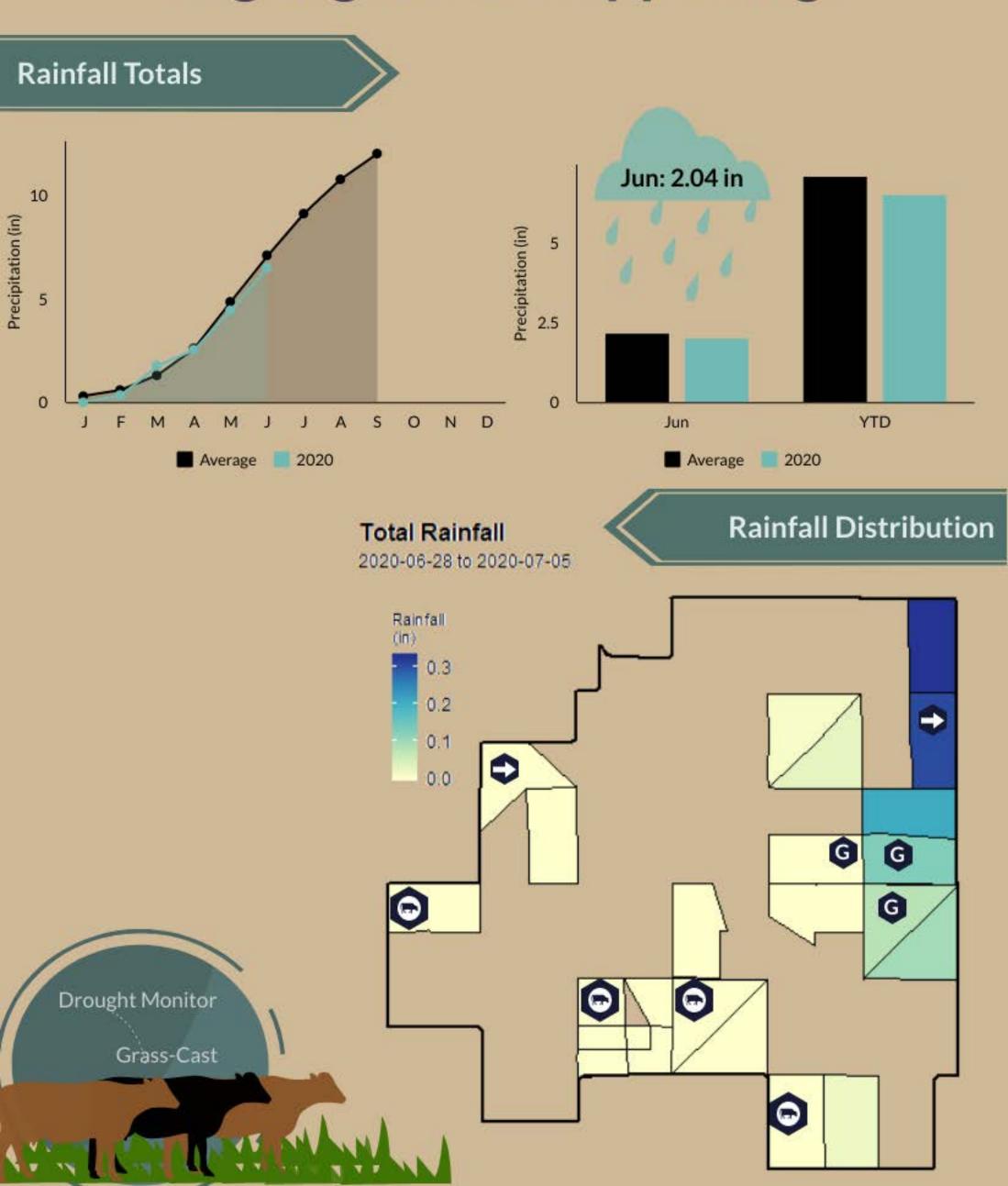




- Loamy Soils
- Warm Season Grasses
- Vegetation Threshold:
  - 300 pounds/acre

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- Warm Season Grasses
- Vegetation Threshold:
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# Highlights of Happenings



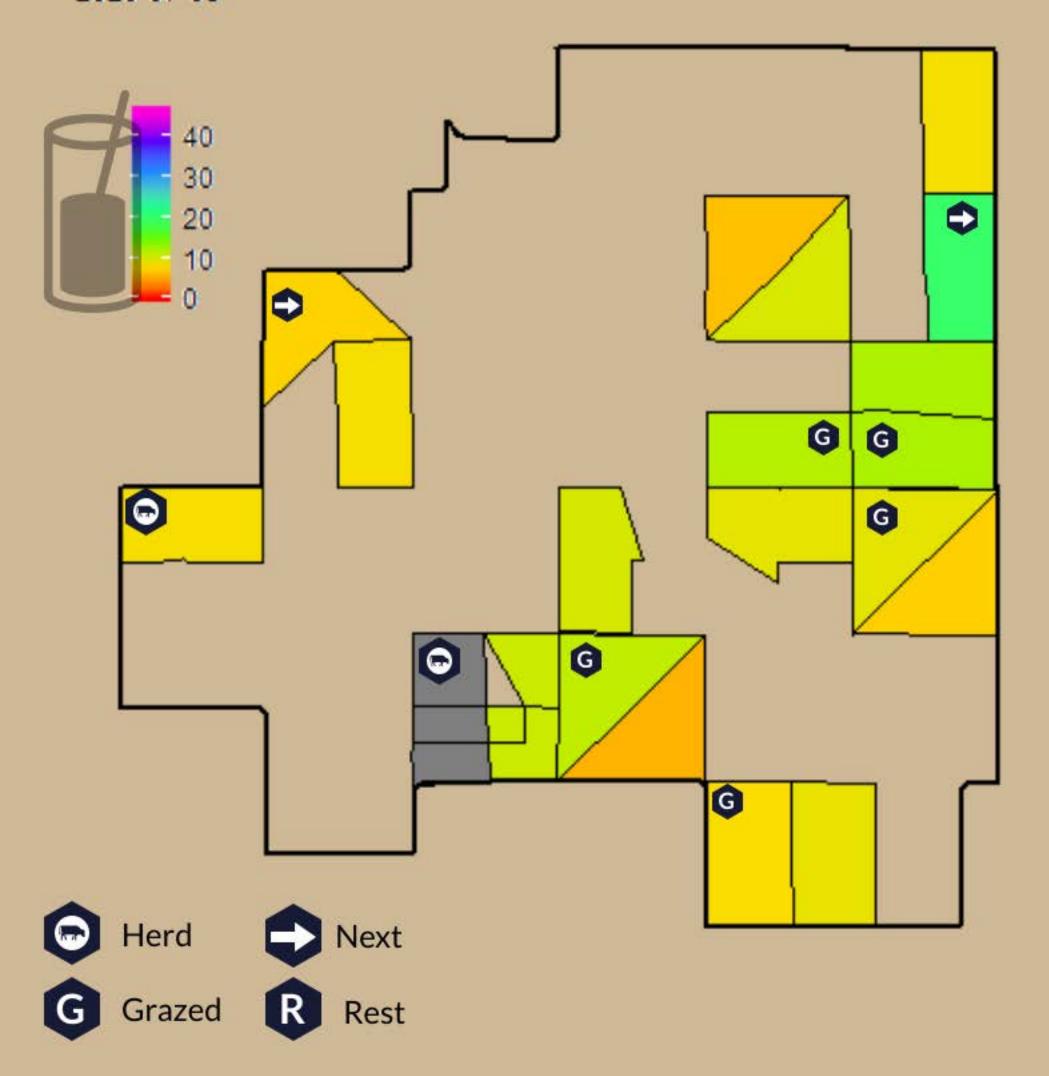
### Soil Moisture Distribution

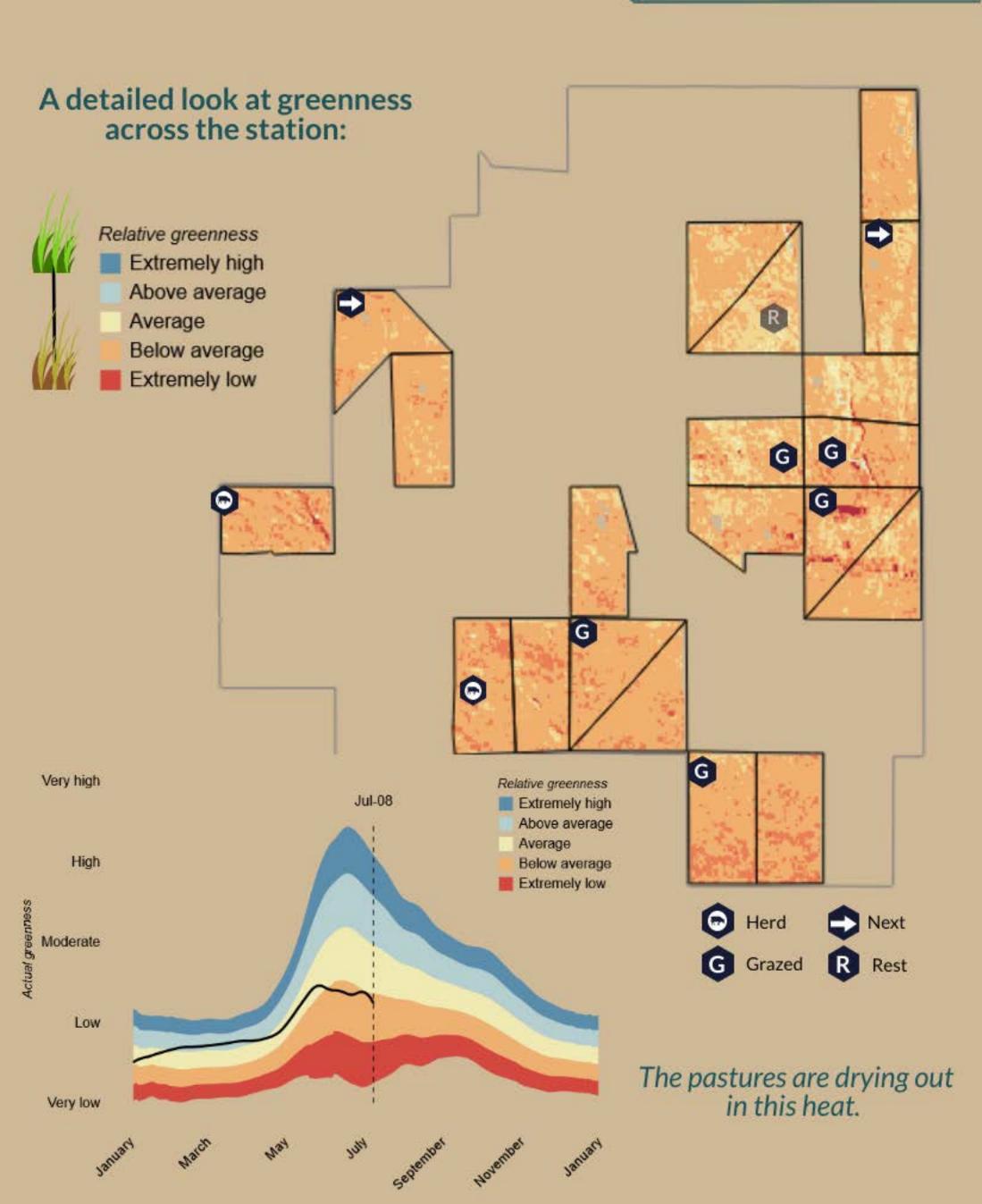
### What's in our cup?

This heat wave is forcing those grasses to drink that cup.

### **Current Soil Moisture**

2020-07-05

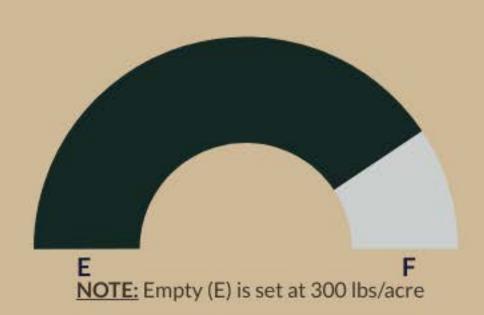




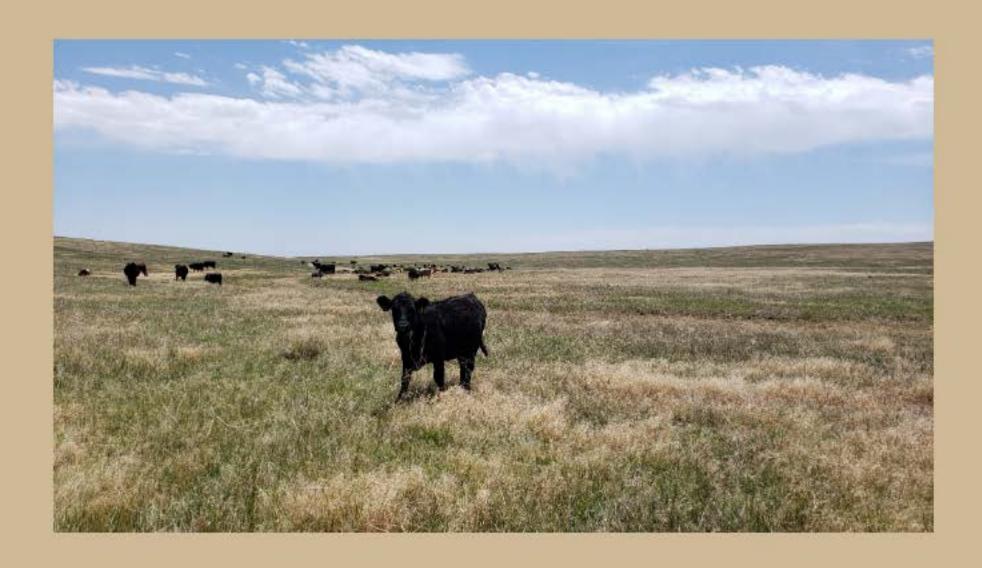
Highway

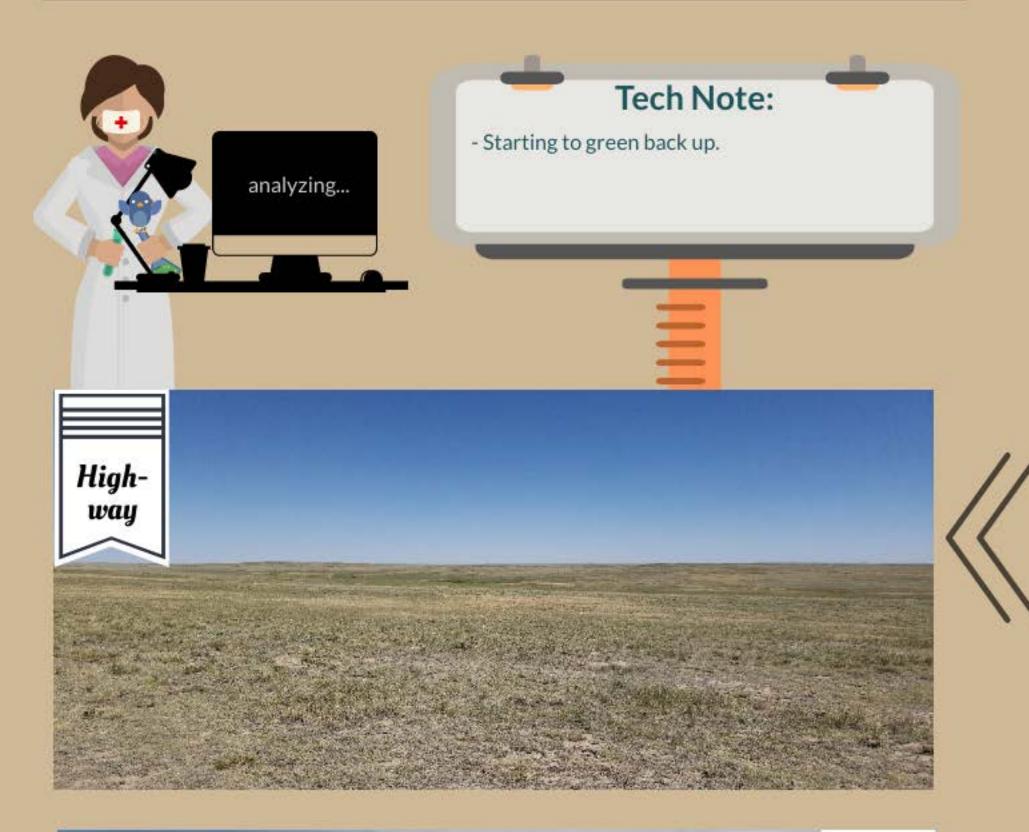










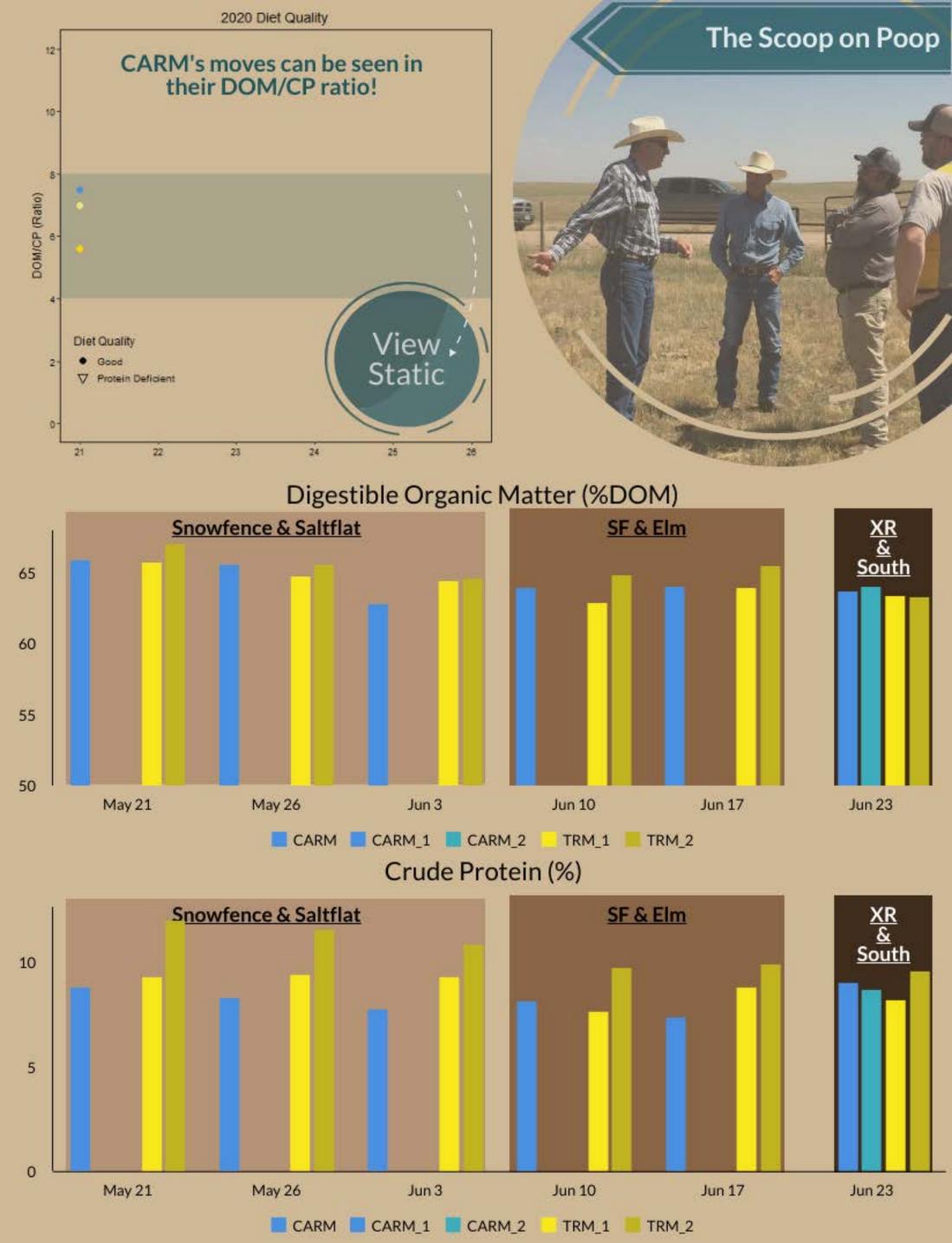


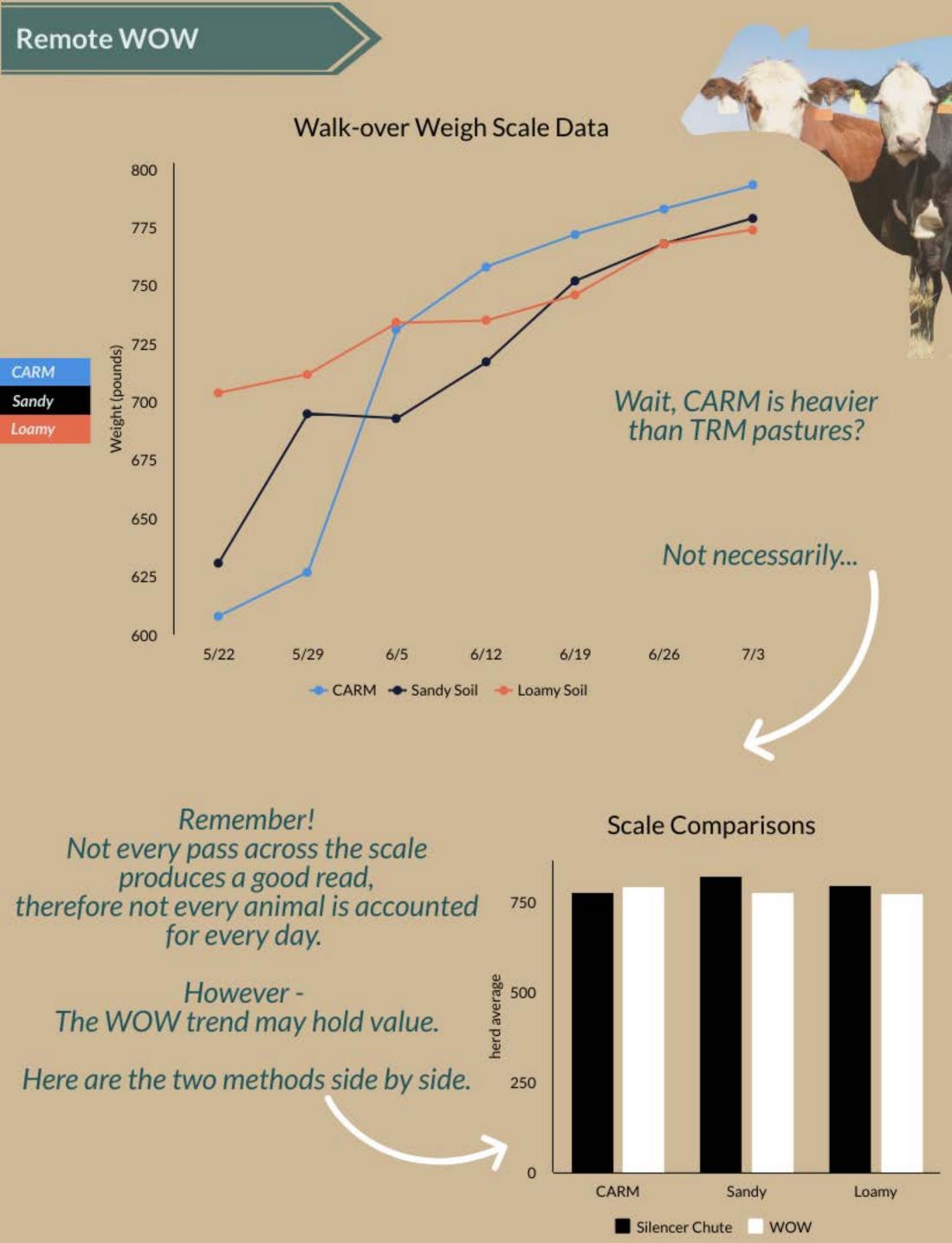




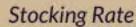








### **Average Daily Gains**

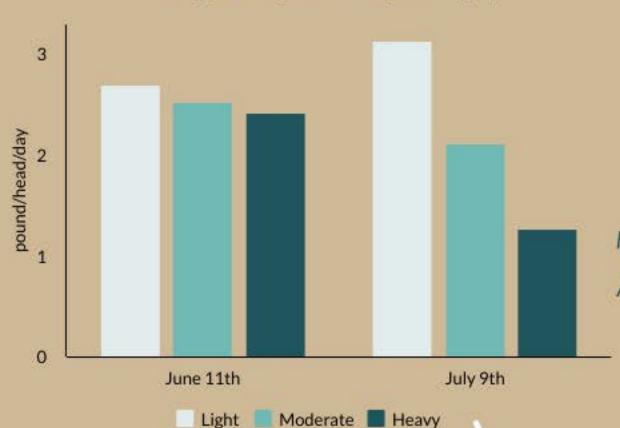


Light: 17 head

Moderate: 23 head

Heavy: 34 head

Steers per 320 acres



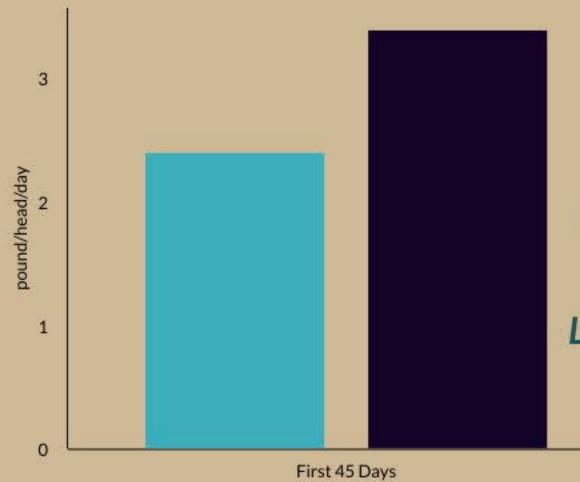
Average Daily Gains (28 Days)

Note: If you recall the June update that had the Daily Gains, you'll remember the June 11th ADG is very different from this graph here. This graph has ADG calculated across 28-days (not two 14-day periods).

# Big change across stocking densities!

How is CARM standing up to the dry conditions?

**CARM Average Daily Gains** 



2020 2019

2020 CARM is gaining about 1 pound/head/day LESS than in 2019.

As are ALL other treatments.

Low grass, Low gains.



## **Decision Recap**

Stakeholders voted on some big changes this April! Rotation 4:

Start Date: August 10

Max Days: 42 VOR trigger: same

CARM1 in Highway and CARM2 in Hilltank

This should not negatively impact Fourwing saltbush. It should help reach shortgrass goals in Hilltank.

What we wanted to happen What actually happened Date In Date Out Trigger Used Notes Pasture Notes from April Gates open between, Shoot for 21-24 days, measure Snowfence & Saltflat VOR separate & use average to gauge veg trigger, 15-May 4-Jun Max Days cattle gains, 5/15 - 6/8 Gates open between, Shoot for 21-24 days, measure Left almost two Saltflat & Elm VOR separate & use average to gauge veg trigger, weeks earlier cattle gains, 6/8 - 6/29 VOR Threshold than planned. 4-Jun 18-Jun Crossroads Reduce VO for MCLO (<5cm) 6/29-8/10 3.1) **VOR Threshold** 18-Jun 1-Jul 3.2)South Reduce VO for MCLO (< 5cm) 6/29-8/10 **VOR Threshold** 18-Jun 1-Jul Highway Reduce VO for MCLO (< 5cm) 8/10 - 9/21 4.1) 1-Jul 4.2) Hilltank MCLO 8/10 - 9/21 1-Jul 9/21 - end of easeon 5.1) Nighthawk 9/21 - end of easeon 5.2) Ridgeline 6) Headquarters Rest

July 10th, 2020 :: CARM :: Highway & Hilltank



### **Up & Coming**

- Virtual Pasture Tour July 30th
- CARM Data Day Same day as the Virtual Tour!

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



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



ALL access data!