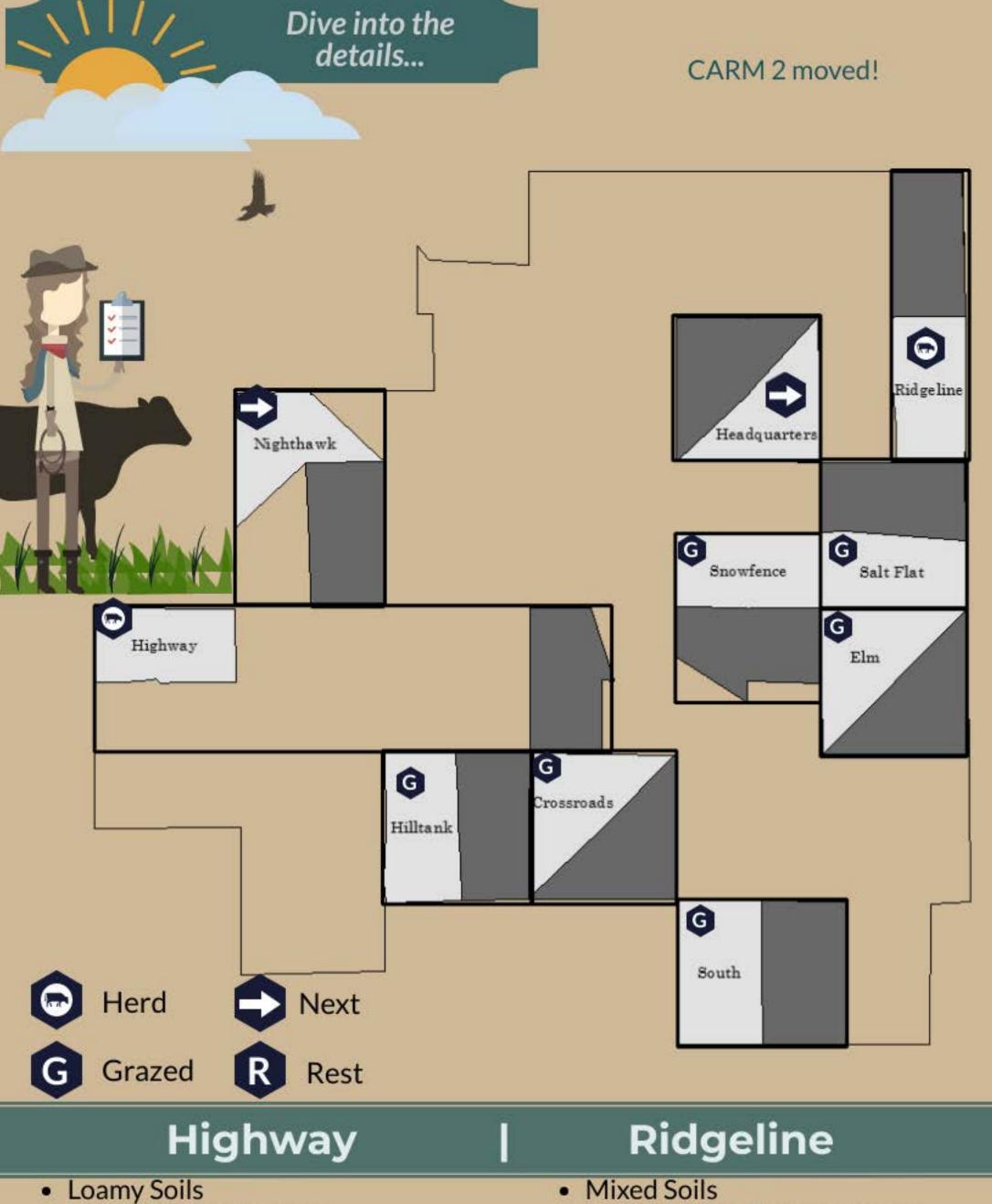
# Collaborative Adaptive Rangeland Management



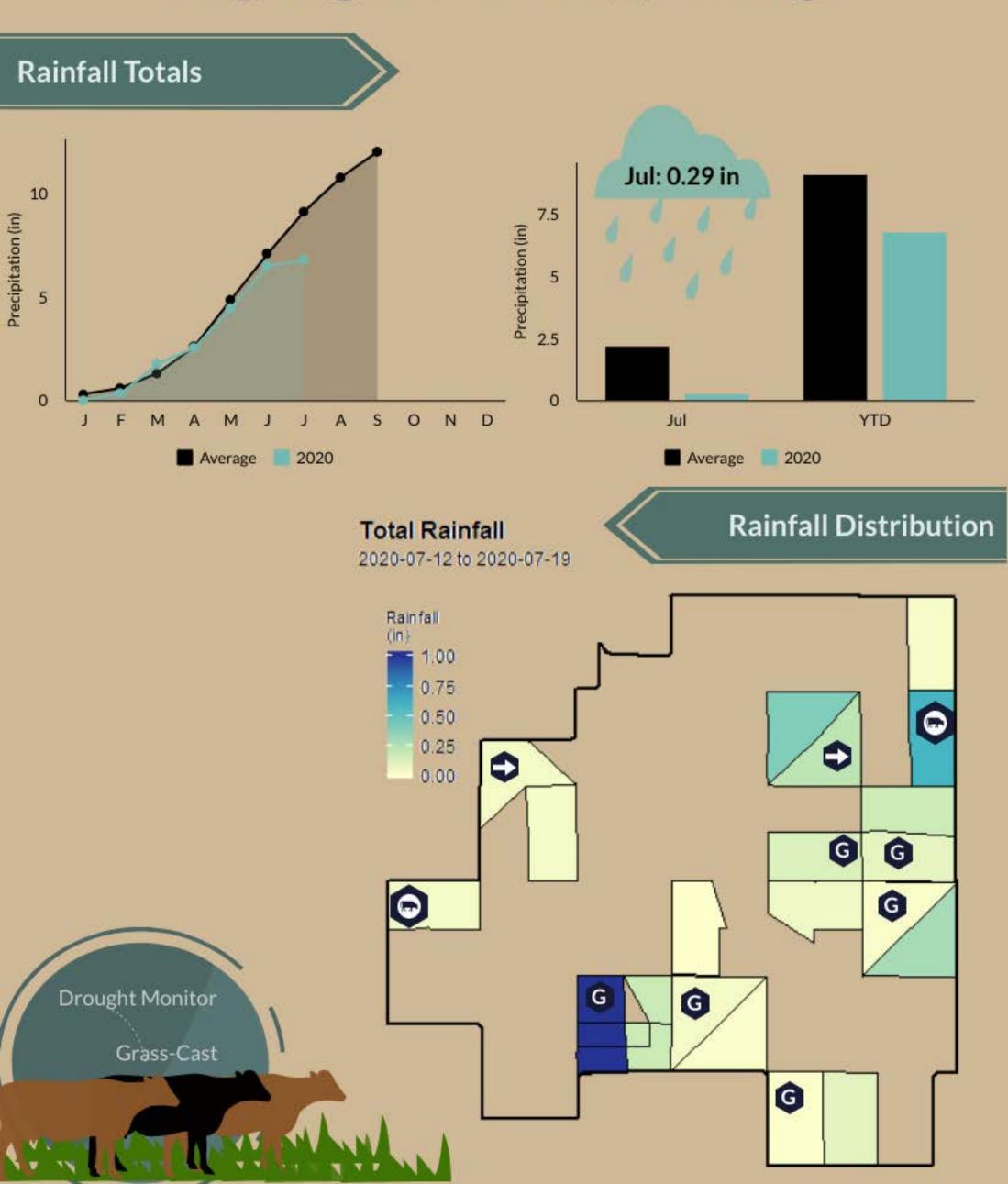




- Warm Season Grasses
- Vegetation Threshold:
  - 300 pounds/acre

- Cool & Warm Season Grasses
- Vegetation Threshold:
  - 400 pounds/acre

# Highlights of Happenings



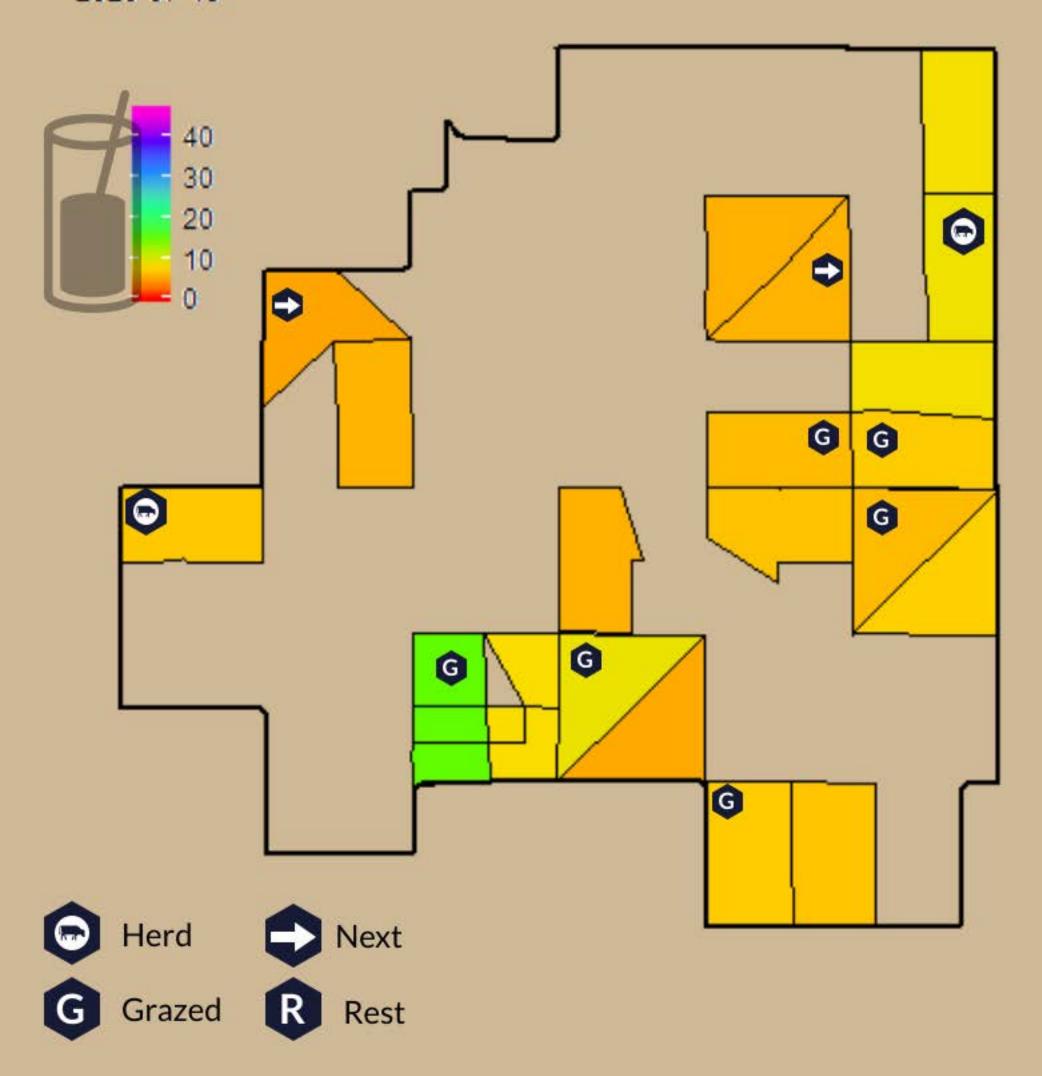
### Soil Moisture Distribution

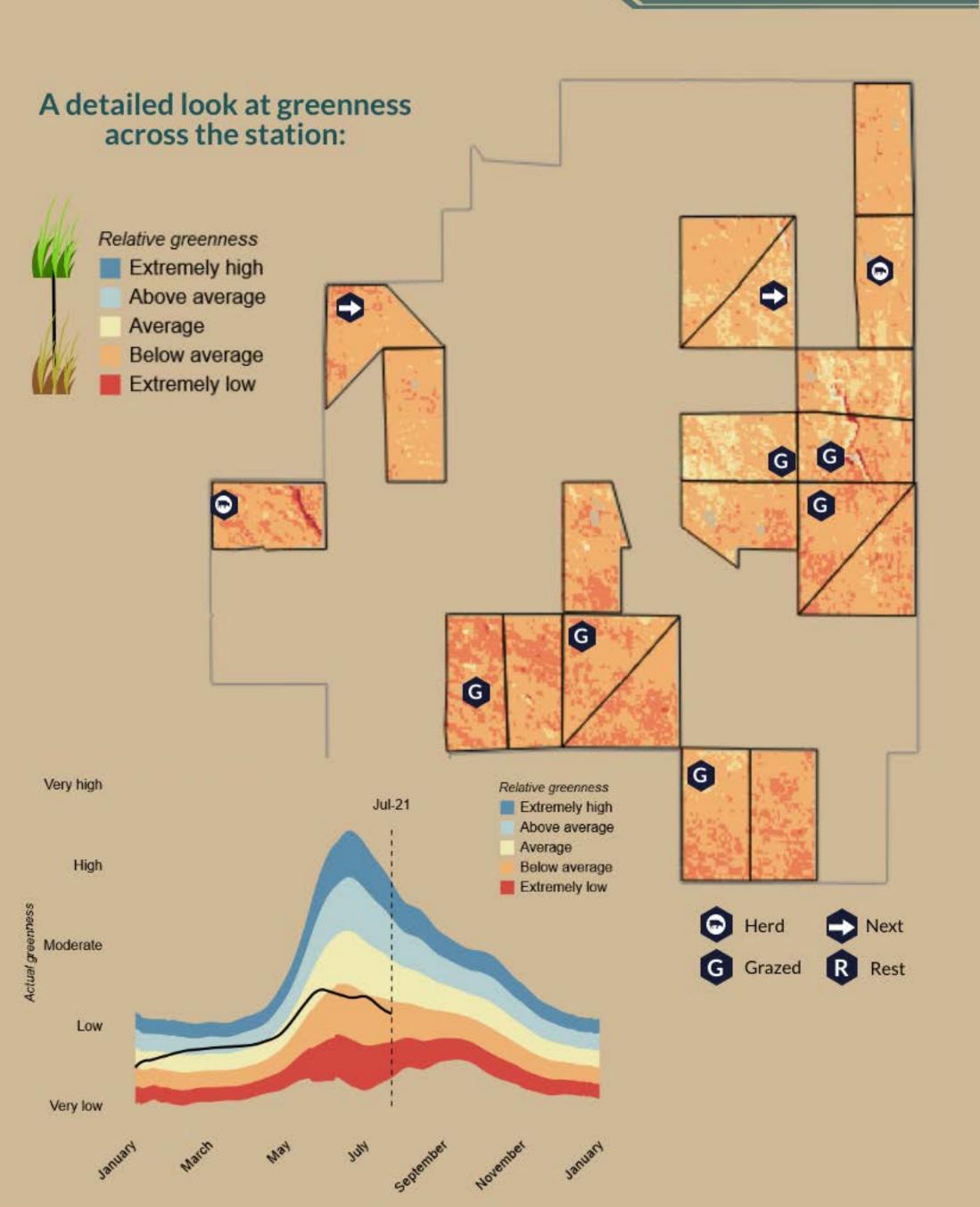
### What's in our cup?

Not a whole lot.

### **Current Soil Moisture**

2020-07-19





# Highway

Pasture Day: 23

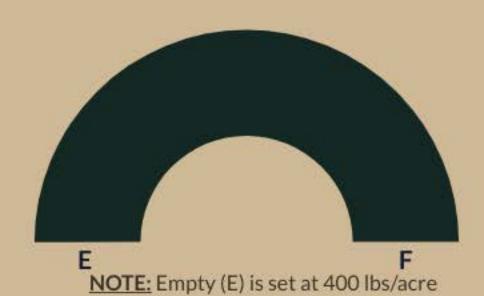




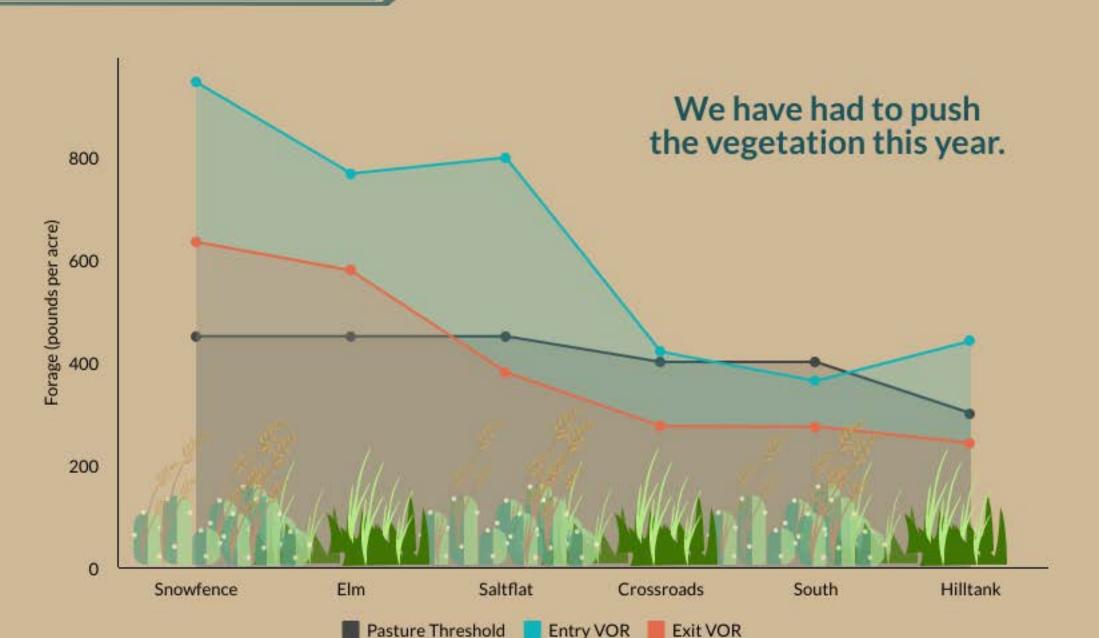
## Ridgeline

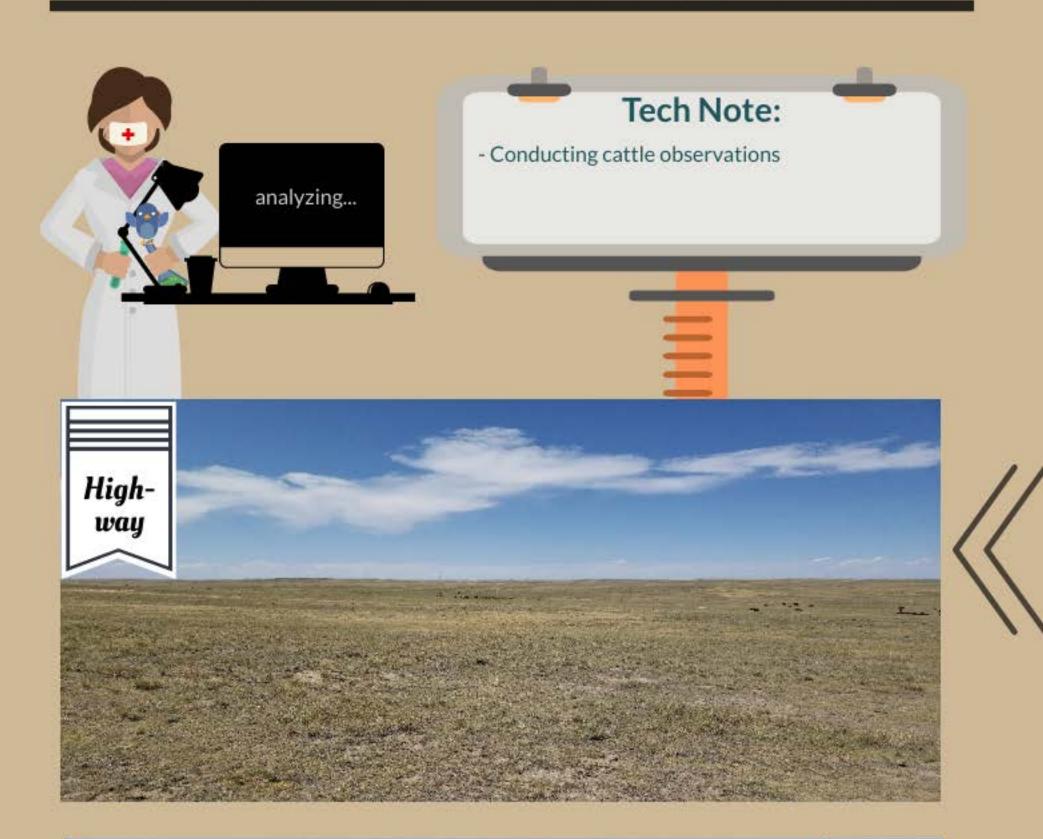
Moved in: July 20th





### **Drought VOR Threshold**















### Let's recall what we planned:

Rotation 5:

Start Date: September 21 Max Days: Until Oct 2

CARM1 in Nighthawk and CARM2 Ridgeline.

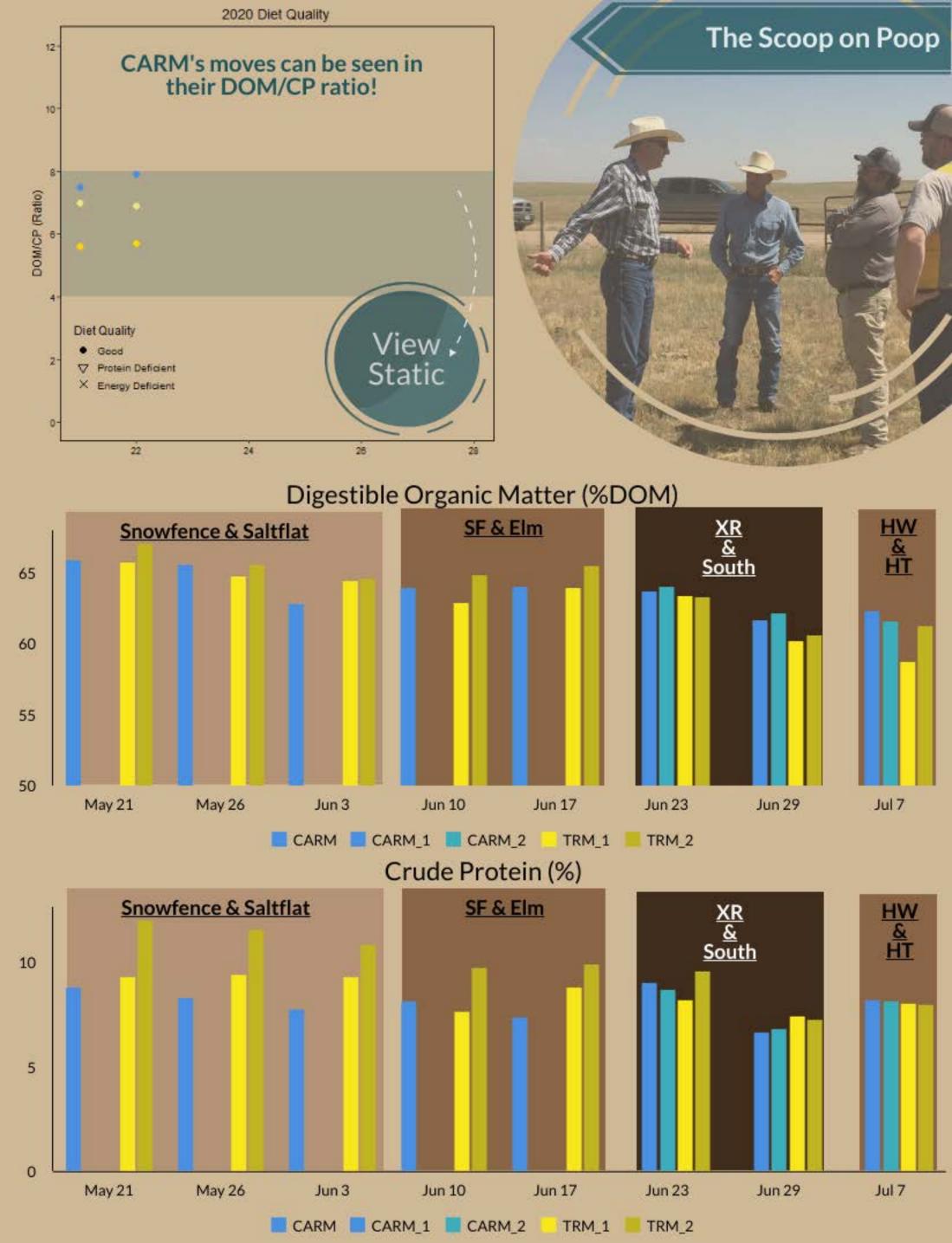
About 10 days in last pastures.

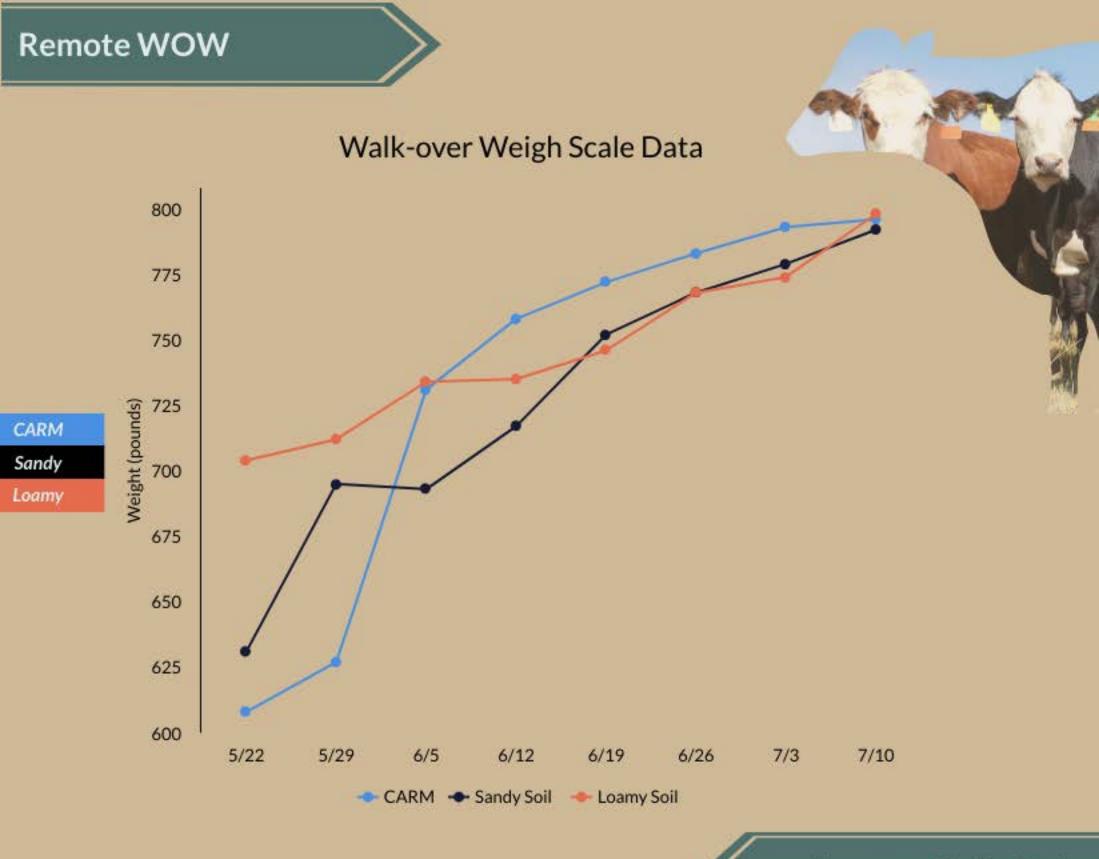
Grazing 9 pastures and only resting one, which is HQ. Rest: Headquarters to ensure a grassbank/heterogeneity.

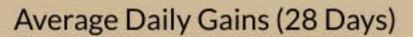
April discussion and votes: The group unanimously voted to confirm: there will be a Max day trigger of 42 on rotations 3 and 4, but the same VOR trigger will also be in place; 2020 will use the same drought triggers as the 2019.

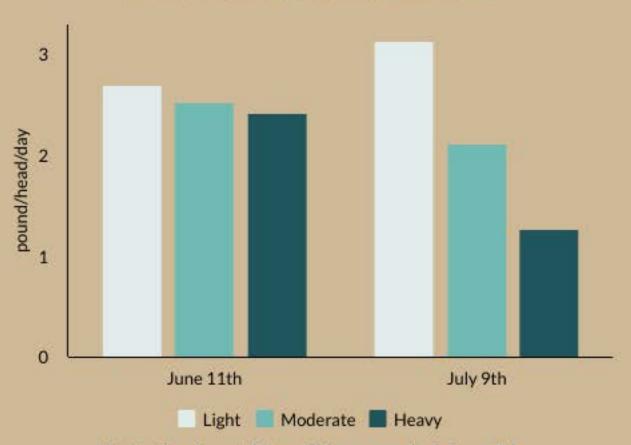












Note: Next weights will be recorded Aug 6th

### **Average Daily Gains**

Stocking Rate

Light: 17 head

Moderate: 23 head

Heavy: 34 head

Steers per 320 acres



# **Decision Recap**

Current Rotation --->

### CARM 1

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.

CARM 2

Rotation 5:

Start Date: September 21 Max Days: Until Oct 2

CARM1 in Nighthawk and CARM2 Ridgeline.

About 10 days in last pastures.

Grazing 9 pastures and only resting one, which is HQ. Rest: Headquarters to ensure a grassbank/heterogeneity.

April discussion and votes: The group unanimously voted to confirm: there will be a Max day trigger of 42 on rotations 3 and 4, but the same VOR trigger will also be in place; 2020 will use the same drought triggers as the 2019.

		What we wanted to happen	What actually happened			
	Pasture	Notes from April	Date In	Date Out	Trigger Used	Notes
1)	Snowfence & Saltflat	Gates open between, Shoot for 21-24 days, measure VOR separate & use average to gauge veg trigger, cattle gains, 5/15 - 6/8	15-May	4-Jun	Max Days	
2)	Saltflat & Elm	Gates open between, Shoot for 21-24 days, measure VOR separate & use average to gauge veg trigger, cattle gains, 6/8 - 6/29	4-Jun	18-Jun	VOR Threshold	Left almost two weeks earlier than planned.
3.1)	Crossroads	Reduce VO for MCLO (< 5cm) 6/29-8/10	18-Jun	1-Jul	VOR Threshold	Used drought threshold
3.2)	South	Reduce VO for MCLO (< 5cm) 6/29-8/10	18-Jun	1-Jul	VOR Threshold	Used drought threshold
4.1)	Highway	Reduce VO for MCLO (< 5cm) 8/10 - 9/21	1-Jul			
4.2)	) Hilltank	MCLO 8/10 - 9/21	1-Jul	20-Jul	VOR Threshold	Used drought threshold
5.1)	Nighthawk	9/21 - end of season				
5.2)	Ridgeline	9/21 - end of season	20-Jul			
6)	Headquarters	Rest				

July 23rd, 2020 :: CARM :: Highway & Ridgeline



### **Up & Coming**

- July 30th Virtual Tour & Data Day
- August 3rd Split-herd weights
- August 6th 28-Day Weights
- August 17th CARM 2/3 Season Weigh

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!