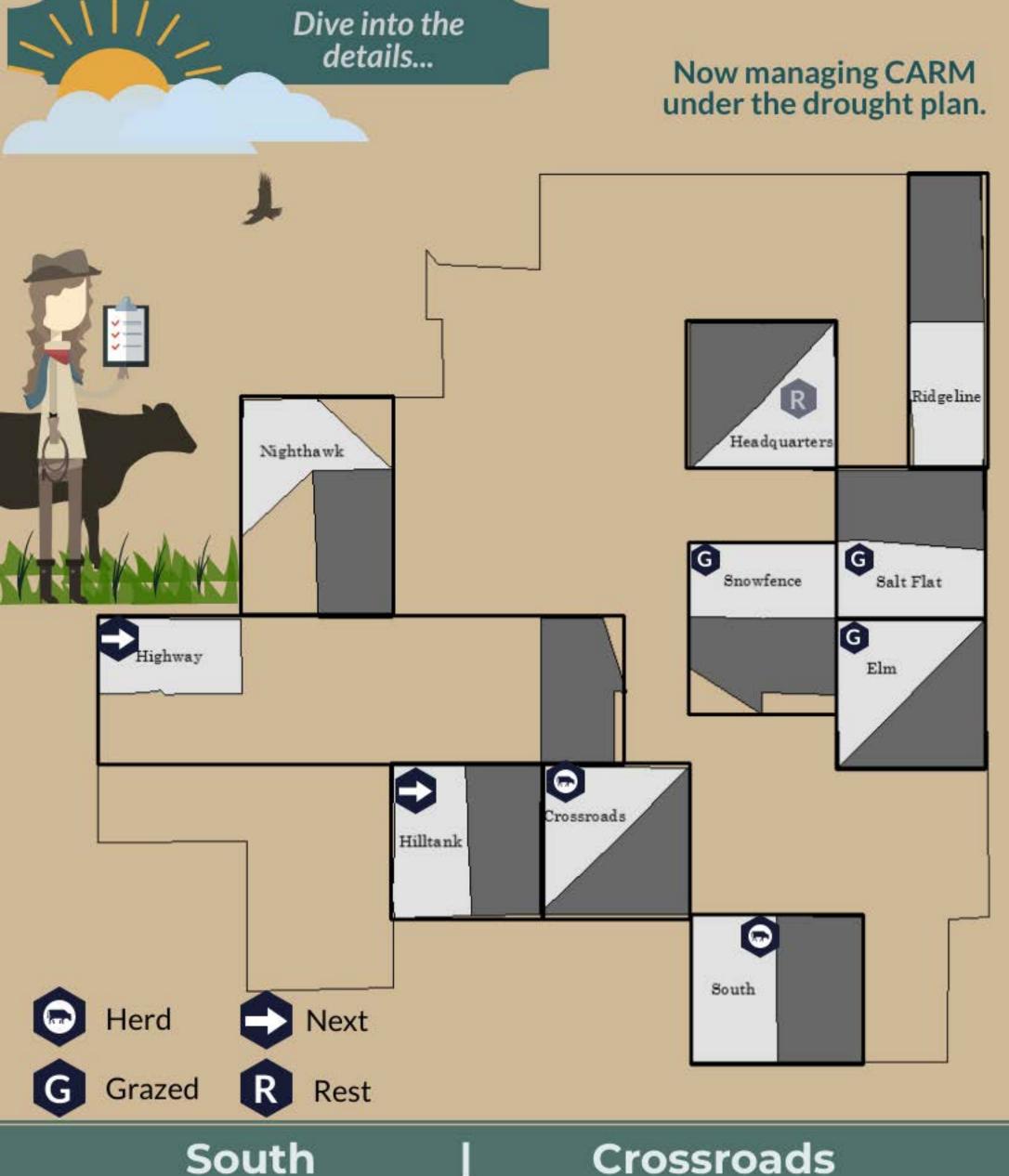
Collaborative Adaptive Rangeland Management







Mixed Soils

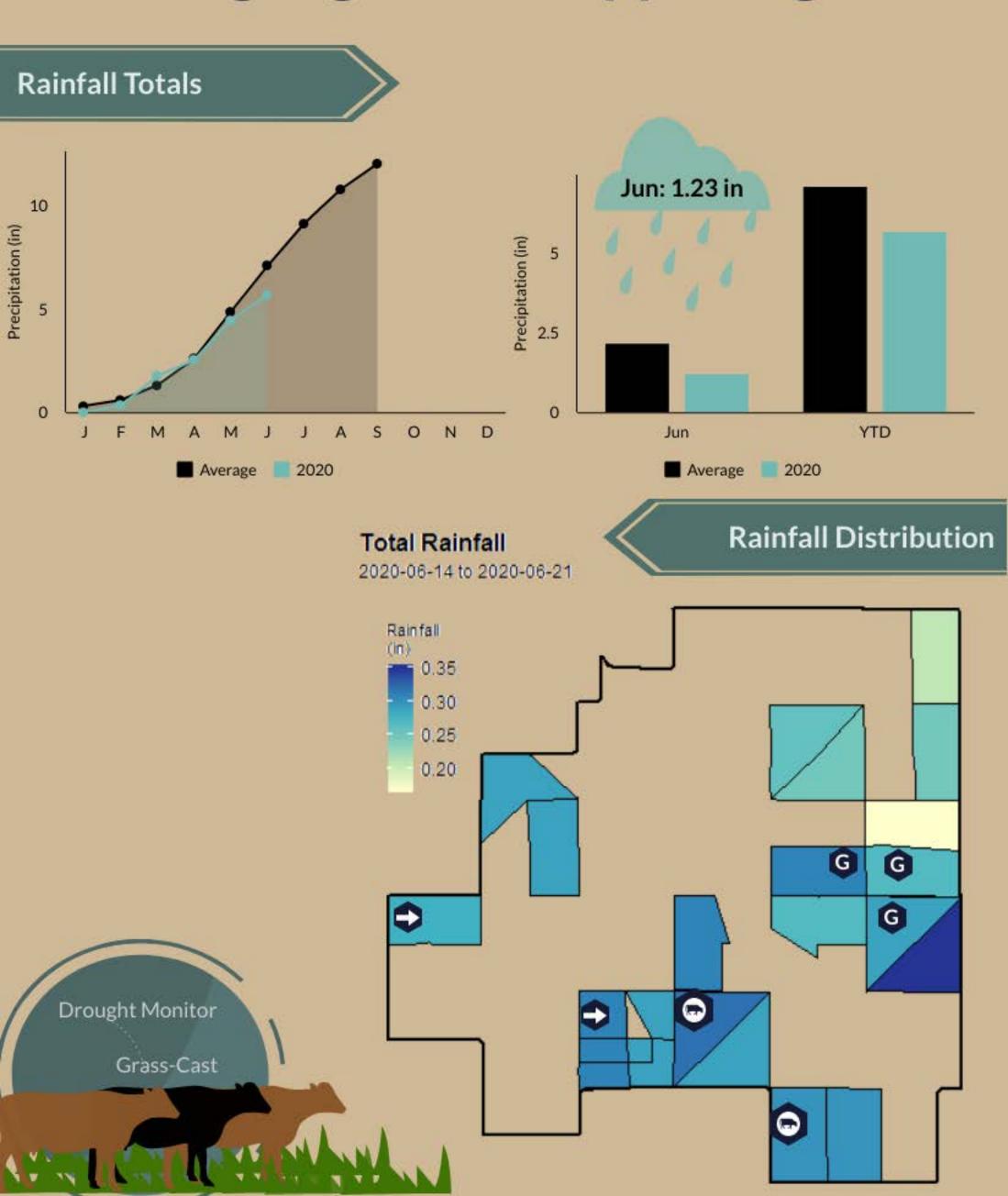
- Warm & Cool Season Grasses
- Vegetation Threshold 400 pounds/acre

Crossroads

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

June 25th, 2020 :: CARM :: South & Crossroads

Highlights of Happenings



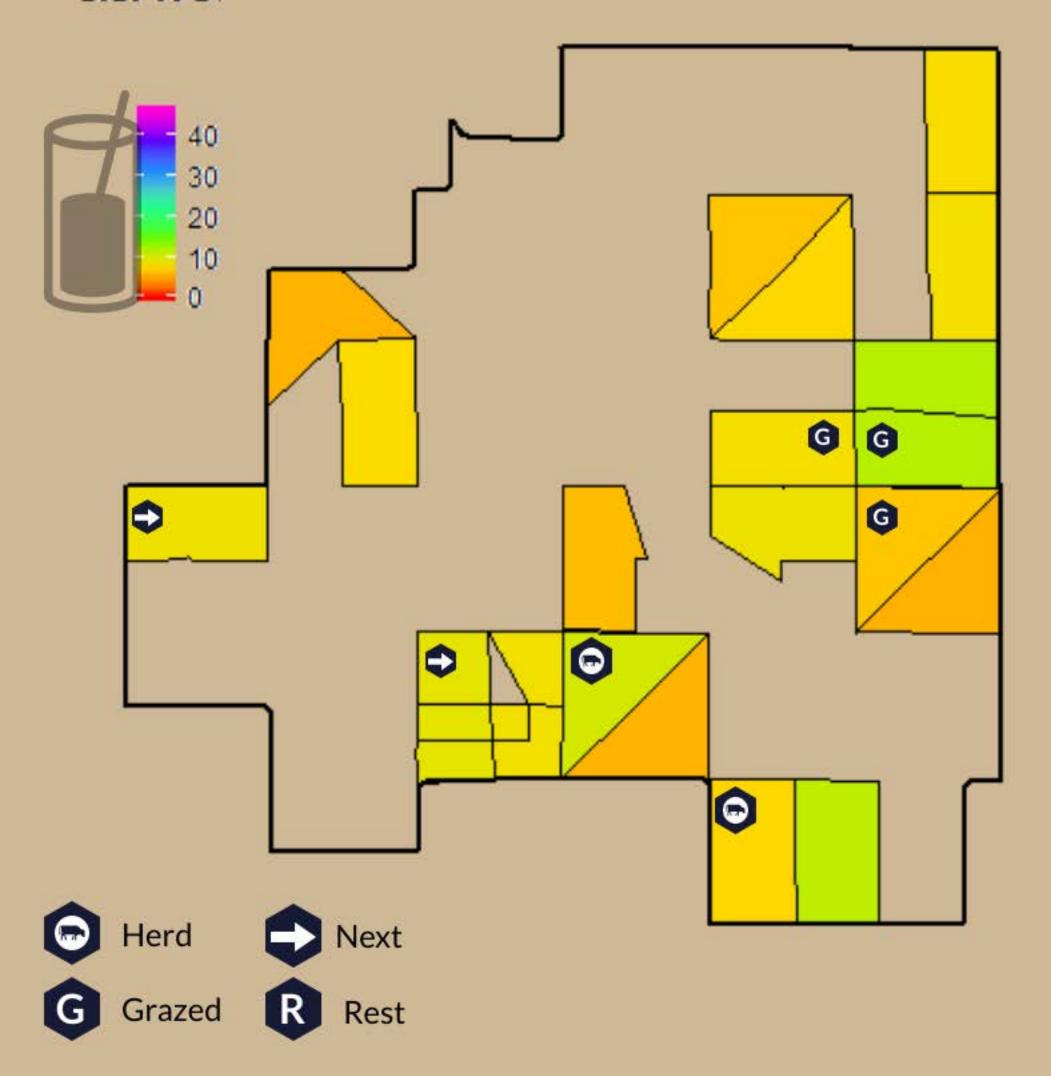
Soil Moisture Distribution

What's in our cup?

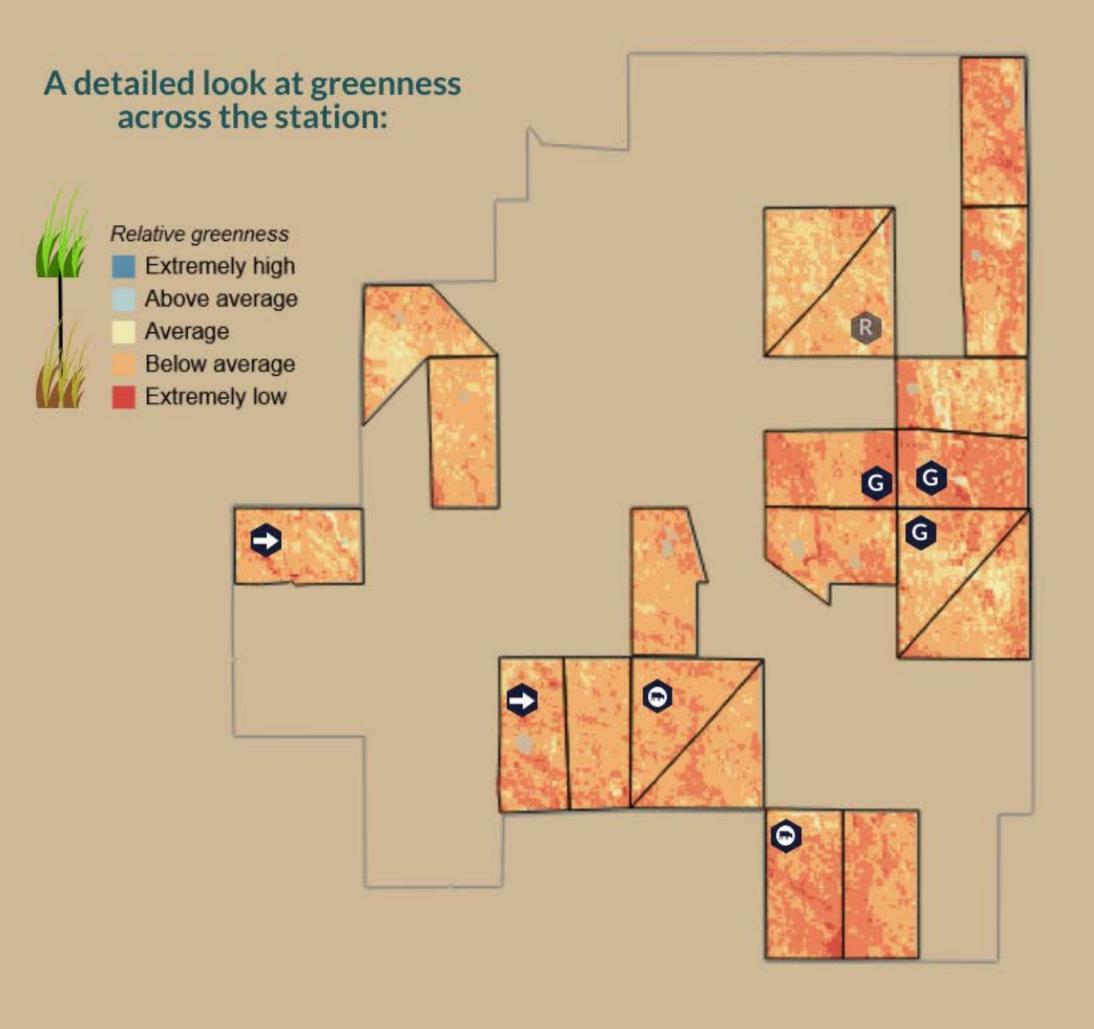
It has been worse, but it could be better.

Current Soil Moisture

2020-06-21



Greenness Distribution











Forage Recap:

So, we've experienced something new to CARM; drought conditions.





The grass height was there, but the dried, rolled leaves influenced a very low VOR reading (skewing the pounds/acre).

So, the grass crew quickly remeasured VOR & clipped biomass to fine-tune the regression.

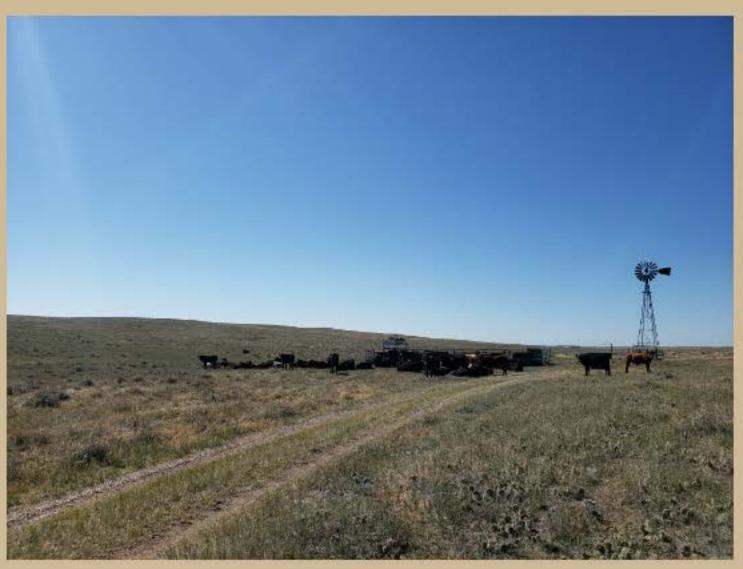
Drought conditions call for adaptive strategies indeed.

Keep in mind!

We still have the cattle observation thresholds, the cattle look happy & grazing in large groups, despite the low VOR.



South





There's a good bit of Western Wheat on the southern end, glad to see these steers lounging around.





Pasture Threshold

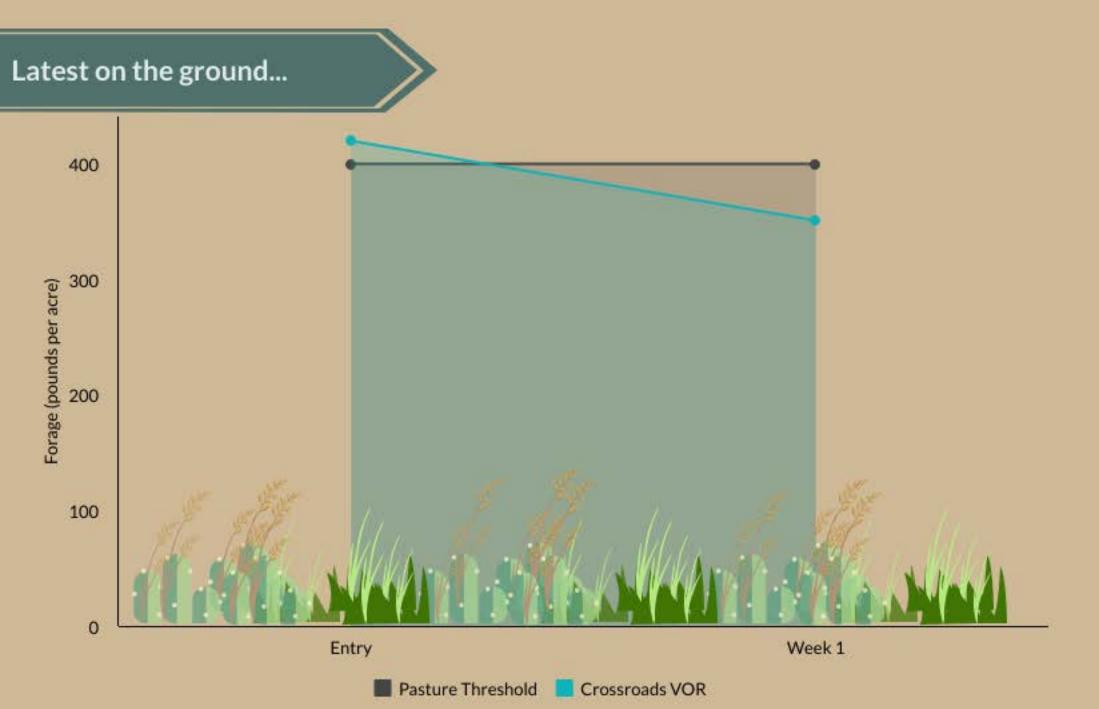
South VOR

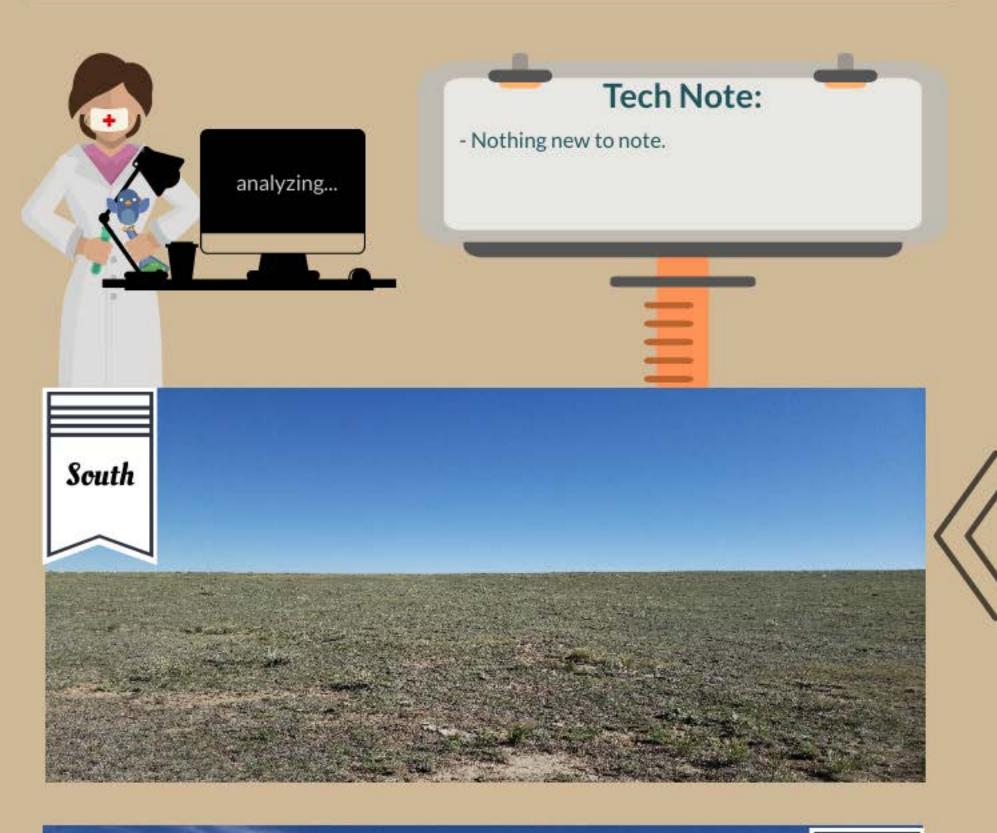
Crossroads



The cattle are covering some ground for the good stuff.





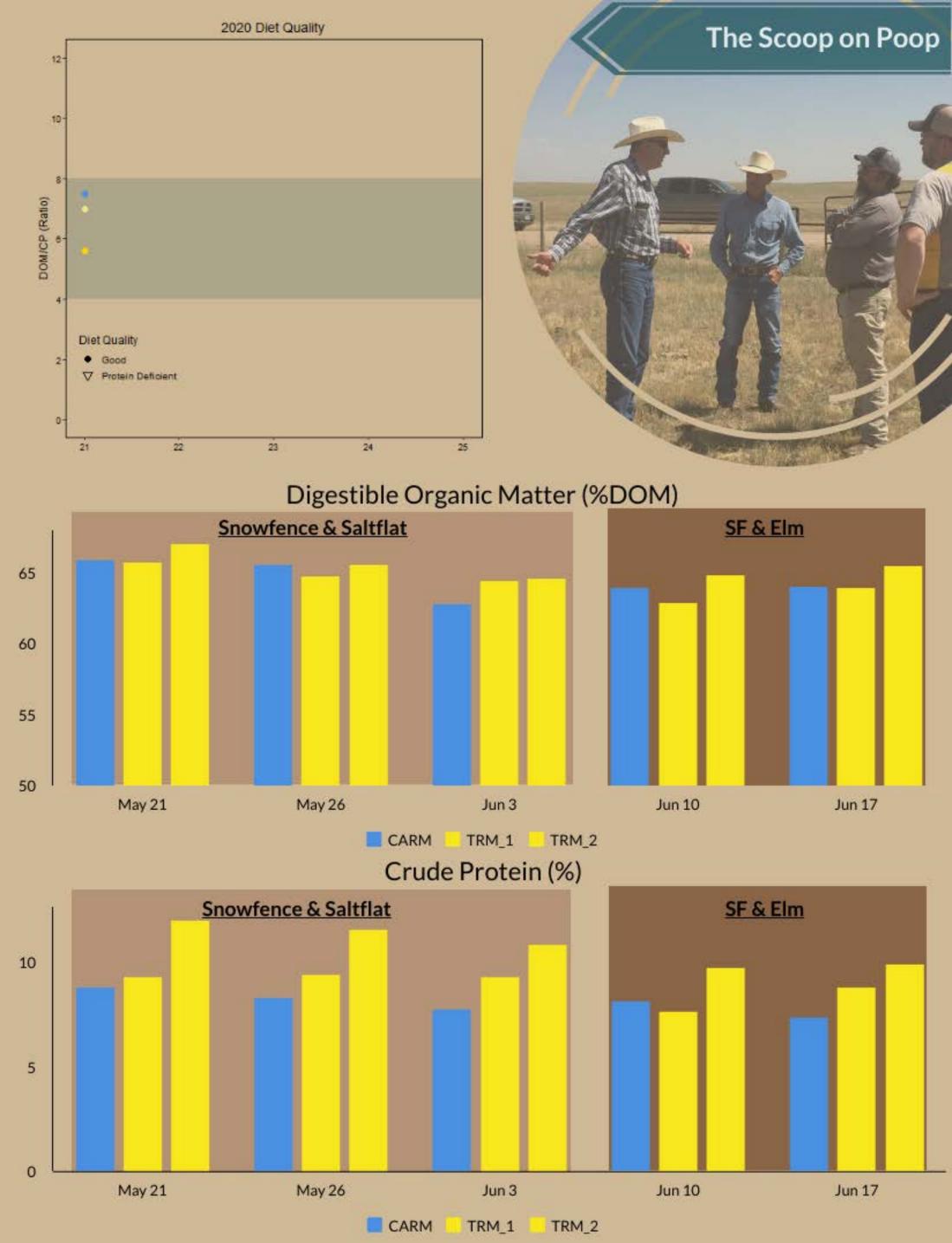














Decision Recap

Stakeholders voted on some big changes this April!

Rotation 3:

Start Date: June 30 Max Days: 42 VOR trigger: Same

Split herd into two herds; CARM1 in Crossroads and CARM2 in South. Help reach shortgrass goals in South. Reminder: Continue to

monitor and evaluate costs of this approach.

Each pasture will get 122 steers.

		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			
3.2)	South	Reduce VO for MCLO (< 5cm) 6/29-8/10	18-Jun			
4.1)	Highway	Reduce VO for MCLO (< 5cm) 8/10 - 9/21				
4.2)	Hilltank	MCLO 8/10 - 9/21				
5.1)	Nighthawk	9/21 - end of easeon				
5.2)	Ridgeline	9/21 - end of easeon				
6)	Headquarters	Rest				

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Up & Coming

- Forage in-take monitoring
- Veg monitoring, completed.
- Collar battery & SD card swap.
- 1/3 Season weights for CARM
- CARM 1 will move from Crossroads to Highway
- CARM 2 will move from South to Hilltank

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!