



# RANGELAND MONITORING REPORT

## North Ranch

Report ID: 443



### SITE INFORMATION

PRODUCER <b>Medio Ranch</b>	PASTURE <b>North 40</b>	DATE <b>17-Oct-2025</b>	COLLECTOR <b>CNS</b>	TRANSECT # <b>1</b>	GPS COORDINATES <b>36.637113, - 104.756590</b>	HEADING <b>81°</b>
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#### BIOMASS AVAILABILITY

**1,576.0**  
± 298.2 lbs/acre

#### PASTURE SIZE

**1,700**  
acres

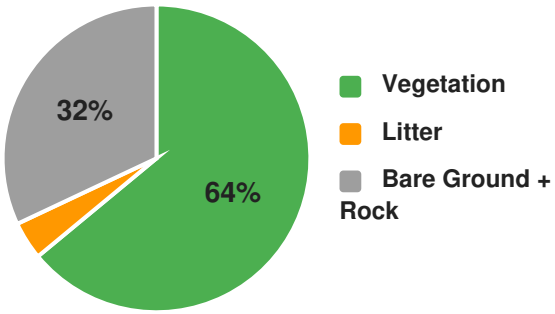
#### ESTIMATED STOCKING RATE

**216**  
AUY

#### ANNUAL FORAGE PRODUCTION

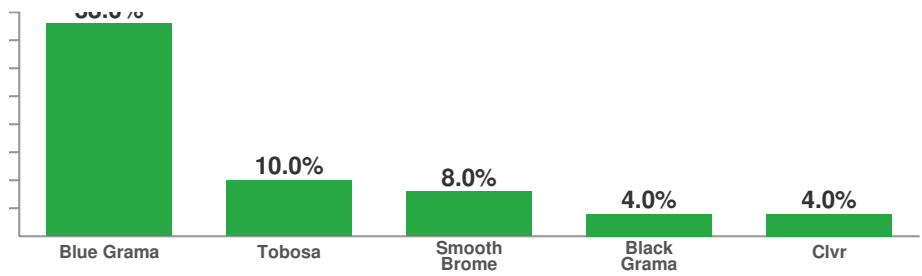
**3,023.3**  
± 120.1 lbs/acre

#### PERCENT COVER



#### SPECIES by VEGETATION COVER

(Percent of Total Cover)



#### GRASS SPECIES COMPOSITION and STUBBLE HEIGHT EVALUATION

Common Name	Symbol	Percent	Avg. Height (in)	Min. Stubble Guideline (in)	Status
Blue Grama	BOGR	66.0	4.8	1.50	✓ Meets Guideline
Tobosa	PLMU	22.0	5.5	2.50	✓ Meets Guideline
Smooth Brome	BRIN	8.0	4.6	4.00	✓ Meets Guideline
Black Grama	BOER	4.0	5.5	2.50	✓ Meets Guideline
-	-	-	-	-	-

#### FECAL GROUP COUNTS (PER TRANSECT)

Horse	Elk	Deer	Cattle	Others
<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>

#### NOTES

Other observable data not taken into account during the transect; Enter here.

#### ESTIMATED STOCKING RATE BASIS

**Formula:** (Production × User-Defined Area × Allowable Use) ÷ Animal Unit Demand

**Parameters:** Allowable Use = 40%; Animal Unit Demand = 9,490 lbs/year

#### DISCLAIMER

Stocking rate values are mathematical estimates derived from measured forage production and user-defined inputs and are provided for informational purposes only. NMSU does not determine carrying capacity, establish stocking rates, or provide grazing recommendations.

Ground Photo



Landscape Photo



# Report Site Location



Leaflet | Map data: © OpenStreetMap contributors, SRTM | Map style: © OpenTopoMap (CC-BY-SA)

GPS Coordinates: 36.637113, -104.756590

# Satellite Production Comparison 2025

Comparing field measurements with Rangeland Analysis Platform (RAP) satellite data

FIELD MEASURED

**3,023**

lbs/acre

RAP SATELLITE EST.

**906**

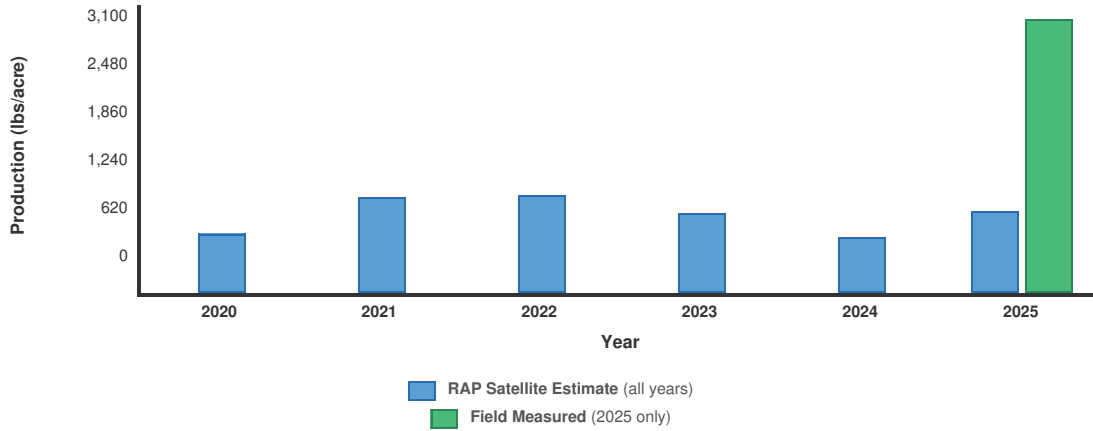
lbs/acre

DIFFERENCE

**+233.8%**

from satellite

## Historical Production Trend (5-Year Comparison)



**Important Interpretation Note:** RAP production estimates are predictive model outputs derived from satellite imagery and environmental data at a 30-meter resolution, while field production estimates are obtained through direct biomass sampling at specific monitoring locations. For this comparison, RAP estimates were averaged across approximately 114.86 acres (516 pixels) surrounding the monitoring transect. Because these methods differ in scale and methodology, differences between RAP and field estimates should be expected. RAP estimates are best interpreted as broad-scale indicators of landscape productivity and trends, whereas field measurements provide site-specific observations. Neither estimate should be interpreted independently without consideration of the scale and limitations of the underlying methodology. The 5-year RAP average for this location is **867 lbs/acre**.

Data source: USDA Rangeland Analysis Platform (RAP) • 30m resolution satellite imagery • Year: 2025

# Rapid Assessment Methodology (RAM) – Datasheet

Ranch or Allotment	Medio Ranch	Pasture Name	North 40
Date	17-Oct-2025	Collector Name(s)	CNS
Transect Number	1	GPS Coordinates	36.637113, -104.756590
Pasture Size (acres)	1700	Heading	81

## Measurements

1		2		3		4		5		6		7		8		9		10	
V	4.00	V	5.00	V	7.00	V	6.00	V	6.50	V	9.00	V	4.50	B	4.50	V	4.00	B	3.00
BOGR		BOER		BOGR		BOER		BOGR		BOGR		BRIN		BOGR		BRIN		BOGR	
11		12		13		14		15		16		17		18		19		20 (clip)	
V	3.00	B	6.00	B	7.00	B	2.00	V	3.00	V	4.00	B	3.00	V	4.00	V	6.00	B	6.00
PLMU		PLMU		BOGR		BOGR		PLMU		BRIN		BOGR		BOGR		BRIN		BOGR	
21		22		23		24		25		26		27		28		29		30	
V	5.00	L	2.00	V	3.50	B	6.00	B	7.00	V	6.00	V	5.00	V	5.00	B	1.50	V	2.50
BOGR		BOGR		BOGR		PLMU		PLMU		BOGR		BOGR		BOGR		BOGR		BOGR	
Clvr				Clvr															
31		32		33		34		35		36		37		38		39		40 (clip)	
B	6.00	V	7.00	B	4.00	V	5.00	V	4.00	V	6.00	B	5.00	B	6.00	L	3.00	V	4.00
BOGR		PLMU		BOGR		BOGR		BOGR		BOGR		BOGR		PLMU		BOGR		BOGR	
41		42		43		44		45		46		47		48		49		50	
V	6.00	V	7.00	V	6.00	B	6.00	V	6.00	V	5.00	V	7.00	B	4.00	V	6.00	V	5.00
BOGR		PLMU		BOGR		PLMU		PLMU		BOGR		BOGR		PLMU		BOGR		BOGR	
51		52		53		54		55		56		57		58		59		60 (clip)	
61		62		63		64		65		66		67		68		69		70	
71		72		73		74		75		76		77		78		79		80 (clip)	
81		82		83		84		85		86		87		88		89		90	
91		92		93		94		95		96		97		98		99		100 (clip)	

Dot Tally	Clip Weight	1	2	3	4	5	Comment or Notes:
Horse		5.50	21.00	13.50	22.00	16.80	Other observable data not taken into account during the transect; Enter here.
Elk	Cage Weight	1	2	3			
Cattle	4	32.60	29.40	28.70			
Deer	Sampling Hoop Size or Conversion Factor					100	