

RANGE JUDGING CARD A - PLANT IDENTIFICATION #1-12

Contestant Name/Number _____ Total Maximum Points 132

Team (or School) _____ Points Lost _____

Place the appropriate plant name & the appropriate letter for plant characteristics in the space below for each plant. Plant Names are worth 5 points each, Plant Characteristics (columns B – G) are worth 1 point each. Illegible answers will be scored as incorrect for that response. Only one response per column is allowed.

	A	B	C	D	E	F	G
	Plant Name (Write in name)	Life Form G = Grass F = Forb GL = Grass-like S = Shrub Ca = Cactus	Life Span A = Annual B = Biennial P = Perennial	Origin I = Introduced N = Native	Season of Growth (Grass or Grass-like Only) C = Cool-season W = Warm-season	Livestock Forage Value H = High M = Medium L = Low	Growth Form (Grasses Only) B = Bunch S = Stolon R = Rhizomatous
EX	Bluejoint Reedgrass	G	P	N	C	M	R
1	Station 1						
2							
3							
4							
5							
6							
	Station 2						
7							
8							
9							
10							
11							
12							

RANGE JUDGING CARD B - PLANT IDENTIFICATION #13-24

Contestant Name/Number _____ Total Maximum Points 132

Team (or School) _____ Points Lost _____

*Place the appropriate plant name & the appropriate letter for plant characteristics in the space below for each plant.
Plant Names are worth 5 points each, Plant Characteristics (columns B – G) are worth 1 point each.
Illegal answers will be scored as incorrect for that response. Only one response per column is allowed.*

Score _____

	A	B	C	D	E	F	G
	Plant Name (Write in name)	Life Form G = Grass F = Forb GL = Grass-like S = Shrub Ca = Cactus	Life Span A = Annual B = Biennial P = Perennial	Origin I = Introduced N = Native	Season of Growth (Grass or Grass-like Only) C = Cool-season W = Warm-season	Livestock Forage Value H = High M = Medium L = Low	Growth Form (Grasses Only) B = Bunch S = Stolon R = Rhizomatous
EX	Bluejoint Reedgrass	G	P	N	C	M	R
13	Station 3						
14							
15							
16							
17							
18							
	Station 4						
19							
20							
21							
22							
23							
24							

RANGE JUDGING CARD C – ECOLOGICAL SITES, RANCH MAP AND WRITTEN QUESTIONS

Total Maximum Points 310

Contestant Name/Number _____

Points Lost _____

Team (or School) _____

Score _____

Station 5-7 – Ecological Sites

	Ecological Site Name* (20 pts. ea.)	Similarity Index* (20 pts. ea.) Full Credit ± 10%	Degree of Use** (10 pts. ea.) Full Credit ± 10%
Station 5		%	%
Station 6		%	%
Station 7		%	%

* See the back of card for Ecological Site and Similarity Index Information.

** Degree of Use –An estimate of the amount of forage removed expressed as a percentage (air dry weight) of the clipped plot compared to the unclipped plot.

Station 8 – Ranch Map

Part 1.	Stocking Rate for Livestock			
Total possible pts. <u>50</u>	Forage Resources (10 pts. ea.)		Select One (20 pts.)	
	Available AUM's	AUM's	Decrease Stocking Rate	
	Needed AUM's	AUM's	No Change	
	Difference in AUM's	AUM's	Increase Stocking Rate	
Part 2. To improve value or use for livestock production and/or wildlife habitat, mark YES or NO for each practice (5 pts. ea.). Total possible pts. <u>60</u>	YES	NO	Station 9 – Written Questions (5 pts. ea.) Total Possible Pts. <u>50</u>	
A. Change Salt/Mineral Locations-----			1	
B. Prescribed Burning-----			2	
C. Limit Livestock Access to Water-----			3	
D. Build Livestock Dam Or Dugout-----			4	
E. Install Or Relocate Well or Pipeline -----			5	
F. Control Brush or Weeds-----			6	
G. Reseed Depleted Rangeland or Farmland-----			7	
H. Divide Pasture (cross fence)-----			8	
I. Initiate Rotational Grazing System-----			9	
J. Initiate Rest-rotation Grazing System-----			10	
K. Change Season of Grazing-----				
L. Non-Use After Wildfire, Severe Drought, Severe Hail or Grasshopper Infestations-----				

Range Judging Card C (reverse side)
Ecological Site Descriptions

1. WET LAND — Poorly drained. Water table within 36 inches of the soil surface.
2. SUBIRRIGATED — Water table within 10-60 inches of the surface during major part of growing season
3. SALINE SUBIRRIGATED — Subirrigated lands affected by salt/alkali accumulation (near surface).
4. LOAMY OVERFLOW — Receive additional water from stream overflow or run-in.
5. SANDS — Loamy sands, sands or coarse sands on gently sloping to rolling hills and uplands or on stream terraces or bottomlands. Dark layer at surface is < 6” thick.
6. SANDY — Fine sandy loam or fine sands on nearly level to moderately steep slopes or on flat valleys between choppy or rolling sandhills. Dark layer at surface is > 6” thick.
7. LOAMY UPLAND — Loams, silt loams, and silts on nearly level to steep slopes.
8. CLAYEY — Clay loams, silty clay loams, and clays.
9. CHOPPY SANDS — Sands on steep, irregular slopes; cat-steps are characteristic.
10. LIMY UPLAND — Sandy loams, silt loams, loams and silty clay loams. Calcareous (limy) in the surface soil.
11. SHALLOW — All soils 0-20 inches deep over rock, shale, or coarse gravel.
12. LOESS BREAKS — Silt loam on very steep, rough broken slopes.

Stocking Rate should be adjusted as needed any time the difference between required AUM's and available AUM's is greater than 10%. This consideration should be made after any adjustments for wildlife habitat needs as described in each individual Ranch Problem.