

# Management Scenario

**Station # \_\_\_\_\_**

\_\_\_\_\_ cow/calf pairs

\_\_\_\_\_ yearlings

\_\_\_\_\_ bulls

\_\_\_\_\_ months of grazing

\_\_\_\_\_ acres of pasture

\_\_\_\_\_ lbs/ac Annual Production

\_\_\_\_\_ miles to nearest water

\_\_\_\_\_ miles to nearest cropland

BEEF GOAL \_\_\_\_\_

GROUSE GOAL \_\_\_\_\_

Slope stakes are \_\_\_\_\_ feet apart

## SOUTH DAKOTA RANGELAND JUDGING SCORECARD

### Resource Inventory, Present Conditions

Part I	Ecological Sites	Station No.	
		1	2
15 pts.	Subirrigated		
	Overflow		
	Sands		
	Sandy		
	Loamy		
	Clayey		
	Dense Clay		
	Thin Upland		
	Shallow		
	Claypan		

Part II	Similarity Index	Station No.	
		1	2
10 pts	76-100% Potential		
	51-75% potential		
	26-50% potential		
	0-25% potential		

Part III	Beef Cattle Carrying Capacity	Station No.	
		1	2
10 pts	Capacity is Too Small		
	Capacity is Exactly Right		
	Capacity is Larger Than Needed		

Part IV	Beef Cattle Habitat Inventory	Station No.	
		1	2
10 pts	Excellent Value (31-40)		
	Good Value (21-30)		
	Fair Value (11-20)		
	Poor value (<11)		
<b>Beef Cattle Limiting Factors</b>			
3 pts each	Forage Factor is Limiting		
	Distribution Factor is Limiting		
	Rangeland Health Factor is Limiting		

Part V	Prairie Grouse Habitat Inventory	Station No.	
		1	2
10 pts	Excellent Value (31-40)		
	Good Value (21-30)		
	Fair Value (11-20)		
	Poor value (<11)		
<b>Prairie Grouse Limiting Factors</b>			
3 pts each	Winter Components Are Limiting		
	Nesting Cover is Limiting		
	Brood Food is Limiting		
	Brood Habitat is Limiting		
	Invasive Species		

Contestant Name \_\_\_\_\_

Contestant Number \_\_\_\_\_

County or School \_\_\_\_\_

Team Number or Name \_\_\_\_\_

Score: Station 1 \_\_\_\_\_/118

Station 2 \_\_\_\_\_/118

Total: \_\_\_\_\_/236

Part VI	Needed Management Practices	Station No.	
		1	2
3 pts each	1. Apply Invader Plant Control for Integrity of the Site		
	2. Continue Present Management for Beef		
	3. Apply Woody Plant Control for Beef Cattle		
	4. Develop Water for Beef Cattle		
	5. Begin a Planned Grazing System		
	6. Change Livestock Numbers or Duration of Grazing Period		
	7. Change the Kind of Grazing/ Browsing Animal		
	8. Continue Present Management for Prairie Grouse		
	9. Improve Winter Food or Cover for Prairie Grouse		
	10. Improve Nesting Cover Quality for Prairie Grouse		
	11. Improve Nesting Cover Height for Prairie Grouse		
	12. Improve Brood Food for Prairie Grouse Chicks		
	13. Improve Brood Habitat		

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## SOUTH DAKOTA RANGELAND JUDGING SCORECARD

### Resource Inventory, Present Conditions

Part I	Ecological Sites	Station No. 1
15 pts.	Subirrigated	
	Overflow	
	Sands	
	Sandy	
	Loamy	
	Clayey	
	Dense Clay	
	Thin Upland	
	Shallow	
	Claypan	

Part II	Similarity Index	Station No. 1
10 pts	76-100% Potential	
	51-75% potential	
	26-50% potential	
	0-25% potential	

Part III	Beef Cattle Carrying Capacity	Station No. 1
10 pts	Capacity is Too Small	
	Capacity is Exactly Right	
	Capacity is Larger Than Needed	

Part IV	Beef Cattle Habitat Inventory	Station No. 1
10 pts	Excellent Value (31-40)	
	Good Value (21-30)	
	Fair Value (11-20)	
	Poor value (<11)	
<b>Beef Cattle Limiting Factors</b>		
3 pts each	Forage Factor is Limiting	
	Distribution Factor is Limiting	
	Rangeland Health Factor is Limiting	

Part V	Prairie Grouse Habitat Inventory	Station No. 1
10 pts	Excellent Value (31-40)	
	Good Value (21-30)	
	Fair Value (11-20)	
	Poor value (<11)	
<b>Prairie Grouse Limiting Factors</b>		
3 pts each	Winter Components Are Limiting	
	Nesting Cover is Limiting	
	Brood Food is Limiting	
	Brood Habitat is Limiting	
	Invasive Species	

Contestant Name \_\_\_\_\_

Contestant Number \_\_\_\_\_

County or School \_\_\_\_\_

Team Number or Name \_\_\_\_\_

Score: Station 1 \_\_\_\_\_/118

Total: \_\_\_\_\_/118

Part VI	Needed Management Practices	Station No. 1
3 pts each	1. Apply Invader Plant Control for Integrity of the Site	
	2. Continue Present Management for Beef	
	3. Apply Woody Plant Control for Beef Cattle	
	4. Develop Water for Beef Cattle	
	5. Begin a Planned Grazing System	
	6. Change Livestock Numbers or Duration of Grazing Period	
	7. Change the Kind of Grazing/Browsing Animal	
	8. Continue Present Management for Prairie Grouse	
	9. Improve Winter Food or Cover for Prairie Grouse	
	10. Improve Nesting Cover Quality for Prairie Grouse	
	11. Improve Nesting Cover Height for Prairie Grouse	
	12. Improve Brood Food for Prairie Grouse Chicks	
	13. Improve Brood Habitat	

\_\_\_\_\_/79

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Contestant Name \_\_\_\_\_ Contestant Number \_\_\_\_\_ School/County \_\_\_\_\_

Score: \_\_\_\_\_/400

**Grasses and Grasslike (Mid and Tall)**

1. big or sand bluestem
2. Canada wildrye
3. crested wheatgrass
4. green needlegrass
5. green or yellow foxtail
6. Indiangrass
7. little bluestem
8. needleandthread
9. plains muhly
10. porcupinegrass
11. prairie cordgrass
12. prairie dropseed
13. prairie junegrass
14. prairie sandreed
15. reed canarygrass
16. sand or tall dropseed
17. sideoats grama
18. smooth brome
19. switchgrass
20. threeawan
21. western wheatgrass

**Grasses and Grasslikes (short)**

22. annual brome
23. blue or hairy grama
24. bluegrass
25. buffalograss
26. foxtail barley
27. inland saltgrass
28. scribner's panicgrass
29. sedge
30. witchgrass

**Forbs**

31. absinth wormwood
32. alfalfa
33. American licorice
34. American vetch
35. annual sunflower
36. breadroot scurfpea
37. Canada thistle
38. clover
39. cocklebur
40. common mullein
41. common yarrow
42. crazyweed
43. curlycup gumweed
44. daisy fleabane
45. deathcamus
46. deervetch
47. false boneset
48. false gromwell
49. field bindweed
50. gayfeather
51. goldenrod

52. hairy goldaster
53. heath aster
54. horseweed
55. leafy spurge
56. Maximilian sunflower
57. milkvetch
58. milkweed
59. penstemon
60. phlox
61. poison hemlock
62. prairie clover
63. prairie coneflower
64. prickly pear
65. purple coneflower
66. ragwort
67. rush skeletonplant
68. sagewort
69. salsify
70. scarlet gaura
71. scarlet globemallow
72. scurfpea
73. sensitive briar
74. spiderwort
75. stiff sunflower
76. sweetclover
77. wavyleaf thistle
78. western ragweed
79. western wallflower
80. wild onion
81. woolly verbena
82. yucca

**Shrubs**

83. broom snakeweed
84. chokecherry
85. leadplant
86. poison ivy
87. rubber rabbitbrush
88. sagebrush
89. saltbush
90. sandcherry
91. silver buffaloberry
92. skunkbrush
93. smooth sumac
94. western snowberry
95. wild plum
96. wild rose
97. willow

**Trees**

98. American elm
99. bur oak
100. green ash
101. juniper or cedar
102. plains cottonwood
103. ponderosa pine
104. Russian olive
105. saltcedar

Flag #	Plant #	PLANT CHARACTERISTICS								Prairie Grouse				Cattle	
		Life Span			Growth Season		Origin			Food		Cover		Food	
		Perennial	Biennial	Annual	Cool Season	Warm Season	Native	Introduced	Invader	De	Un	De	Un	De	Un
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
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16															
17															
18															
19															
20															
ECOLOGICAL and RESOURCE RATING: Desirable = De; Undesirable = Un															

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