



DESCRIPTION, INVENTORY AND ANALYSIS OF ALLOTMENT

Class of stock Cattle Stocking (AUs) 300 (AUMs) 2012  
 Season of grazing (Dates) June 20 to December 31  
 Character of topography Rolling

Table 1. Area of natural vegetation types and culturally treated areas grazed by livestock and by game

Vegetation types and culturally treated areas <u>1/</u>	Total area of type		Area grazed by livestock		Area grazed by game	
			At present	30 years from now <u>2/</u>	At present	30 years from now <u>2/</u>
(name)	(acres)	(per-cent)	(acres)	(acres)	(acres)	(acres)
F-1 1-Pose Save	258	2.1				
F-2 1-Agsp Artr	977	7.9				
F-3 4-Artr Stco	273	2.2				
B-F-5 1-Stco Cafi	1289	10.5				
B-F-10 4-Artr Stvi	662	5.4				
B-F-12 4-Artr Agsm	5735	46.6				
B-F-13 1-Agsp Artr	504	4.1	All	All	All	All
B-F-14 4-Artr Save	316	2.6				
J-5 4-Artr Save	860	7.0				
J-F-17 1-Stco Artr	716	5.8				
J-F-33 1-Agsm Arca	335	2.7				
Crested Wheat 1-Agcr Arfr	210	1.7				
Waste	172	1.4			172	172
Other						
<b>Allotment Total</b>	<b>12307</b>	<b>100</b>	<b>12135</b>	<b>12135</b>	<b>12307</b>	<b>12307</b>

1/ List culturally treated areas under appropriate vegetation types.  
2/ Under improved management.

Table 2. Composition, value, use and development of plant species in natural vegetation type or culturally treated area

Type or treated area (name) Johnson Bros. summer range

Species	Amount in cover	Forage value				Utilization ave.	Start growth	Development Flow-ering	Seed ripe	Regrowth Leaves -twigs	3/ Flower stalks
		Ex	Gd	Fr	Pr						
Grasses & Grass-like	2/ (percent)	(check one)				(Perc 't)	(date)	(date)	(date)	(date)	(date)
Agropyron smithii	20	X				80	4-15	6-1	7-20	6-15	6-15
Stipa comata	10	X				70	4-15	6-30	8-1	6-15	6-15
Bouteloua gracilis	7			X		50	5-15	7-1	7-30	6-1	6-1
Stipa viridula	4	X				70	4-15	6-30	8-1	6-1	6-1
Poa secunda	5			X		60	4-1	5-15	6-15	4-30	4-30
Agropyron spicatum	6		X			50	4-15	6-30	7-30	6-15	6-15
Koeleria cristata	1			X		50	4-15	6-1	6-30	5-15	5-15
Carex filifolia	7	X				80	4-15	5-30	7-20	6-1	6-1
Total	60										
Forbs											
Vicia americana											
Plantago purshii											
Phlox hoodii											
Thermopsis montana	12				X	20	4-1	4-15	6-15	--	--
Eriogonum species											
Grindelia squarrosa											
Allium canadense											
Total	12										
Shrubs and trees 1/											
Artemisia frigida	3				X	10					
Artemisia tridentata	15				X	10					
Sarcobatus vermiculatus	3			X		30					
Atriplex nuttallii	2		X			40					
Opuntia polyscantha	4				X	-	5-1	6-15	8-15	3-30	--
Artemisia cana	1			X		20					
Chrysothamnus nauseosus	T				X	-					
Yucca	T				X	-					
Gutierrezia sarothrae	T				X	-					
Grand Total	128										

1/ Including conifers Grand Total 100  
 2/ For trees and shrubs include estimates only for species that can be changed or removed in a range improvement program.  
 3/ How late in spring can the species be grazed and still produce grazable leaves or twigs or seed-producing flower stalks?

Table 4. Estimated utilization of available forage in natural vegetation types and culturally treated areas and condition of range

Vegetation type or treated area <sup>1/</sup>	Use of total tonnage of forage in type (percent)	Range condition				
		Vigor of forage species (L,M,H) <sup>2/</sup>	Ratio of good to poor forage species (per-cent) <sup>3/</sup>	Density of forage (percent of potential)	Sheet Erosion	
					Depth (Inches)	Extent (Percent of ground area)
F-1 1-Pose Save	50	M	30:70	.9	--	--
F-2 1-Agsp Artr	45	M	30:70	.9	--	--
F-3 4-Artr Stco	40	H	40:60	.8	--	--
B-F-5 1-Stco Cafi	60	L	40:60	1.0	--	--
B-F-10 4-Artr Stvi	45	M	35:75	.7	½ inch	--
B-F-12 4-Artr Agsm	50	H	40:60	.9	--	--
B-F-13 1-Agsp Artr	40	H	50:50	1.0	--	--
B-F-14 4-Artr Save	40	M	20:80	.8	½ inch	--
J-5 4-Artr Save	55	L	15:85	.9	Slight	--
J-F-17 1-Stco Artr	55	M	40:60	1.0	--	--
J-F-33 1-Agsm Arca	45	H	45:55	1.0	--	--
Crested Wheat 1-Agcr Arfr	40	M	60:40	.8	--	--
Waste	--	--	--	--	--	--
Allotment average	47 ✓	M	37:63	.89	Slight	Small

1/ List treated areas (reseeded, sprayed, etc.) under appropriate vegetation types.

2/ L = low, M = moderate, H = high.

3/ From Table 2 Excellent and good species = good; fair and poor species = poor.

What percent of the livestock forage on the range is used by game? Approximately 1%.

What are the principal foraging game animals? Deer, antelope.



2.

Sequence of Treatments

Pasture	1966	1967	1968	1969	1970	1971
1	D	E	F	A	B	C
8	E	F	A	B	C	D
5	F	A	B	C	D	E
2	A	B	C	D	E	F
4	B	C	D	E	F	A
6	C	D	E	F	A	B

- A. Graze pasture June 20 - July 30; rest remainder of year.
- B. Graze pasture October 3 - November 11; rest remainder of year.
- C. Graze pasture August 1 - September 5; trampling of seed.
- D. Rest all year; seedling establishment.
- E. Rest till late fall to establish reproduction;  
    graze November 12 - December 31 if weather permits.
- F. Graze September 6 - October 2; rest remainder of year.

Key SpeciesVegetative TypeKey Species

F-1  
F-2  
F-3  
B-F-5  
B-F-10  
B-F-12  
B-F-13  
B-F-14  
J-5  
J-F-17  
J-F-33  
Crested wheatgrass type

Agropyron smithii  
Agropyron spicatum  
Stipa comata  
Stipa comata  
Stipa viridula  
Agropyron smithii  
Agropyron spicatum  
Agropyron spicatum  
Agropyron smithii  
Stipa comata  
Agropyron smithii  
Agropyron cristatum