

MARVEY VALLEY GRAZING ALLOTMENT, FORAGE UTILIZATION SURVEY 1960

Standards used for forage utilization survey.

1. Sample points: Sampling points are located at 150-foot intervals along a paced transect line. On short transect lines (1/4 mile or less) the sampling points are located at 75-foot intervals in order to obtain an adequate sample of the forage species.
2. Sample area: The sample area is a circle with a 50-inch radius from the sampling point.
3. Vegetative samplings: The closest forage species to the sampling point, within the sample plot, was observed and its condition, grazed or ungrazed, was recorded on the data sheet. A plant with a basal area of less than one square inch was not included in the sample.
4. Stubble height: The estimated most common height of the closest grazed plant was measured and recorded to the nearest one-half inch. If the closest plant was ungrazed, the stubble of the next closest plant was recorded. If there were no grazed plants in the sample plot, the stubble of the first grazed plant encountered along the transect line was recorded.
5. Recording the data: Three symbols are used on the data sheets to designate plant status. They are as follows:
  - + Plants that have 50 percent or more of the herbage above the basal area removed.
  - Plants that have less than 50 percent of the herbage above the basal area removed.
  - o Plants that have not been grazed.

6. Ungrazed plant heights: One hundred plants of each species observed in the survey were measured. The length of the longest basal leaf was measured and recorded to the nearest one-half inch. The plants observed in each vegetation type were measured in units 1, 2, 3, and 4.

7. Plant species observed in each unit by vegetation type:

Unit No. 1

Sagebrush type: F1, SIh, Psp., Ssp.

Timber type: F1, SIh, Ssp., Csp.

Meadow type: Csp., Jsp., F1, SIh, Psp., Ssp., DEc.

Reseeded areas: B1, Ain, F1, SIh, Psp.

Unit No. 2

Sagebrush type: F1, SIh, Psp., Ssp., Csp.

Timber type: F1, SIh, Ssp., Csp., Hcar.

Meadow type: Csp., Jsp., Psp., DEc.

Unit No. 4

Sagebrush type: F1, SIh, Psp., Ssp., Csp.

Timber type: F1, SIh, Ssp., Csp.

Meadow type: Csp., Jsp., F1, Psp., DEc, Da.

Reseeded areas: Bin, Ain, F1, SIh, Psp., Ssp.

Plant Symbols used in the survey

- Fi : Festuca idahoensis  
SIh : Sitanion hystrix  
P sp : Poa species  
S sp : Stipa species  
C sp : Carex species ( Carex filifolia not included in this group ).  
J sp : Juncus species  
Bi : Bromus inermis  
Bcar : Bromus carinatus  
Ain : Agropyron intermedium  
Da : Danthonia americana  
DEc : Deschampsia caespitosa