

Part 5 -Rangeland Ecosystem Measurements**5A. Landscape Appearance Utilization Estimate** (Based on images described along a transect; (35 pts)

Interval	Midpoint (M)	"Hits" Tally	Count (C)	Count (M x C)	Appearance
0-5%	2.5		6	18	Desirable forage plants show no evidence of grazing or negligible use.
6-20%	13		4	52	Desirable forage plants have the appearance of very light grazing. The herbaceous forage plants may be topped or slightly used. Current seedstalks and young plants are little disturbed.
21-40%	30		4	120	Desirable forage plants may be topped, skimmed, or grazed in patches. The low value herbaceous plants are ungrazed. Most young plants are undamaged.
41-60%	50		3	150	Half of the available desirable forage plants appear to have been utilized. No more than 10% of the undesirable herbaceous forage plants are utilized.
61-80%	70		1	70	More than half of the available desirable forage plants are almost completely utilized. More than 10% of the undesirable herbaceous forage plants have been utilized.
81-94%	88		1	88	The rangeland has a mown appearance. Desirable forage plants appear to be heavily utilized and there is no evidence of reproduction or current seedstalks.
95-100%	97.5		1	97.5	The rangeland appears to be completely utilized. More than 50% of the undesirable herbaceous plants appear to have been completely utilized. The remaining stubble is grazed to the soil surface.
Totals			20	595.5	

$$\text{Average Utilization} = \frac{\text{Total M x C}}{\text{Total C}} \div \text{Total C} = \text{Average Utilization}$$

Appropriate Estimate (within $\pm 5\% = 15$ pts; within $\pm 10\% = 10$ pts)
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