FILE: Grass\_Utilization.xlsx

Average grass utilization by grazing year starting in 2010

The file contains utilization measurement data collected for the Santa Rita Experimental Range (SRER) adaptive grazing management program. This data informs livestock grazing management decisions on the SRER.

Utilization measurements are taken within each pasture following grazing along 100 pace transects. Transect beginning and ending points are located using established UTMs and transects are run in the same general location and direction at each measurement.

The nearest perennial grass plant to the observer's boot toe is identified to species and determined as either grazed or ungrazed. Note: the same plant may be used for multiple measurements due to its proximity to the observer and plant community distribution

If grazed, the percent of herbaceous material removed is estimated using the grazed class method. Grazed classes are 10, 30, 50, 70, 90.

Utilization per transect is calculated using the percent ungrazed plant method as described by: Roach, M. E.. 1950. Estimating perennial grass utilization on semidesert cattle ranges by percentage of ungrazed plants. Journal of Range Management, 182-185.

Utilization per transect is documented in this archive.

Empty cells indicate no data was collected.

The grazing year occurs November 01 through October 31. Therefore, values in Month of Measure columns begin with 11 (November) and end with 10 (October). For example, values for Month of Measure in 2020 are for November 2019, 12 for December 2019 and then all others are months in 2020.

Grass\_Utilization\_Notes.docx

02 June 2022