File: cex12.xls

Cex12.xls refers to cover data from plots in USFS Study FSRM 1706-12 that were not formally included in that study.

The file contains perennial grass basal cover and shrub foliar cover data. Cover was measured each summer from 1953-1956 and in 1970 in units 0.01 ft. Perennial grass was recorded as basal intercept; i.e., length of live root crown portion of tuft at ground level. Shrub cover was recorded as the entire live crown intercept excluding conspicuous openings or areas of dead crown.

Measurements were taken on 16 or 20 randomly located permanent 100-ft. line transects in each of five pastures. Twenty transects were measured in pasture 1 in 1953-1956 and 1970. Twenty transects were measured in pasture 7 in 1954-1956 and 1970. Sixteen transects were measured in pasture 8 in 1953-1956 and 20 transects in 1970. Twenty transects were measured in pasture 9 in 1970. Twenty transects were measured in pasture 10 in 1955-1956 and 1970.

The pastures had been grazed yearlong by cow-calf herds since 1915; utilization ranged from 47-60%. Two changes in grazing management were implemented prior to the study period of 1957-1966: 1) The utilization objective was lowered to 40%, and 2) Summer deferment (July-Sept) in alternate years began in 1958 in two pastures and in 1959 in the other two. Pasture 9 continued to be grazed yearlong and was measured in 1958 and 1963-1966 for comparative purposes. Data from pasture 9 were not included in published analyses.

Mesquites (Prosopis velutina) in pastures 1 and 7 were killed with diesel oil between 1954 and 1957. Mesquites in pastures 8, 9, and 10 were left untreated.

Taxa were recorded separately to the species level in most cases and sometimes to the genus level only. The code OTHSHRUB refers to unidentified shrub species.

Sources of data were the original field data sheets.

A value of -9999 in a field means that no data were available because a reading was not made for that date.

cex12notes.txt

26 October 2001