

Kansas. This ecoregion contains an expansive array

surrounding agriculture. Containing a small herd of

Bison Behavior

Understanding the factors that contribute to bison grazing preferences is important for understanding how the landscape can be altered by these native grazers. Conducting research on bison and their characteristics allows researchers in tallgrass prairies all over the world to properly manage the land.

Additionally, bison have specific plant preferences for grazing. Bison prefer to graze on the four main K957028(r)2.36842(o)-0.2956417(r)2.3678(a)3.6561.7465(s)-1.7465()-0-2.53536(h)-0.956417(e)

production and a higher concentration of magnesium

a substantial amount of knowledge about how rocks move, how quickly they move, and what impact their movement has on the surrounding landscape (Ai, Wei et.al,2017; Persico et.al, 2005; DiBiase, 2017). Some of the most important information that has been gathered from these studies was that slope angle in relation to rock movement is not exponential. This is because of the many factors that also effect rock movement, the ranking of elements that influence sediment transport soil type having the most influence, then level of runoff, amount of rainfall, topography, and lastly, the type and amount of vegetation, and the effects different topography has on the movement of rocks down hillslopes (Schumm, 1967; Ai, Wei et.al, 2015; Hongwei et al,2021). Even today, the idea of analyzing geomorphology as a discipline was brought up by Garin (1954, 1958, 1963, 1990).

Due to the elevation of our experiment sites, the t

Figure 5: Diagram of rock placement at each site. Each line contains between 9 and 11 rocks

Table 2: This table shows the recorded rock movemen

Rock Clast Size

Rock shapes can be categorized into different shape

Table 4: This table shows rock clast size for every

Figure 8: This figure shows rock size distribution based on the intermediate axis measurements (second largest axis(I)) of the rocks used for the experiment.

Figure 9: This figure depicts the ratio between side s (shortest axis) and side I(intermediate axis)

The 18 upper site altered rocks included 13 rocks moved laterally (upslope or downslope), 4 rotated rocks, and 1 rock moved later

expansive area meaning that had we of chosen an are

Utilizing our data, other researchers can continue to unravel the undocumented mysteries of bison history and the bison's role in changing the tallgrass prairie landscape.

interaction between bison and rock fragments on the Konza Prairie. Based on all the research

References

Ai, N., Wei, T., Zhu, Q., Zhao, X. K., Zhao, W., Ma, H., & Xie, R. (2015). Factors affecting runoff and sediment yield on the semiarid loess are

Ungar, E D. Effects of Livestock Traffic on Rock Fragment Movement on Hillsides in a Semiarid Patchy Rangeland. Land degradation & devel