

LANDSLIDES IN SLOPE COUNTY

Small landslides, 10 acres or less in size, are common throughout the rugged topography of western North Dakota. Many of these, as well as larger landslides, can be obscured by slopeshow or colluvium. Layers or blankets of slopeshow typically cover the lower portion of a slope and extend horizontally from its base. Thick smooth layers of slopeshow can completely obscure the broken, jumbled beds of landslide material. In some areas, smaller landslides, or landslides that are very old and have been inactive for a long period of time, are only visible if slopeshow is thin or absent, or the beds are sufficiently displaced to create subtle irregularities at the surface. An area with many landslides suggests that the slopes in that area may be predisposed to future slides. Even when landslides are not identified in these types of settings, these areas often remain vulnerable to slope failure and should be evaluated prior to the development of any civil works or energy infrastructure projects and, when possible, be avoided.



Scale: 1:125,000

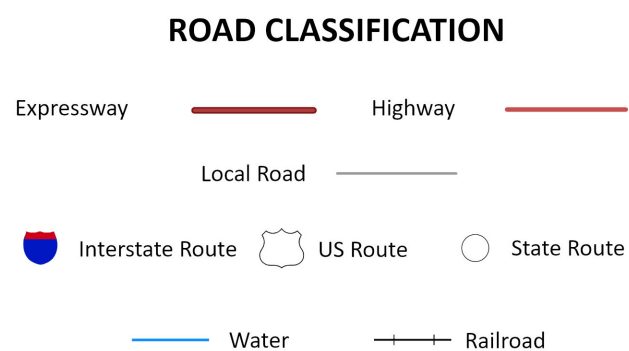
A horizontal scale bar with two units. The top scale is in miles, with markings at 0, 1.5, 3, 4.5, and 6. The bottom scale is in kilometers, with markings at 0, 1.5, 3, 4.5, and 6. The bar is divided into segments by vertical lines corresponding to these markings.

Miles

Kilometers

Mercator Projection North American 1983 Datum

Standard Parallel 46°18'45"N Central Meridian 103°33'45"W



A Abandoned Mine Lands (AML) location data maintained by the North Dakota Public Service Commission's Abandoned Mine Lands Program.



Figure 1. Distribution of landslide areas mapped in Slope County