PRELIMINARY SURFICIAL GEOLOGY OF THE ELKADER SW QUADRANGLE, LOGAN COUNTY, KANSAS

by David A. Sawyer

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Computer compilation and cartography by Kolbie D. Andrzejewski

SUGGESTED REFERENCE TO THE MAP


GEOLOGIC UNITS

CENOZOIC

Quaternary System

Biolithic

Exploration

Geologic Unit Boundaries

- Unconsolidated
- Scrub desert
- Alluvial terrace deposits
- Alluvial fan deposits
- Colluvial apron and alluvial fan deposits
- Loess

PALEOZOIC

Permian System

Leonardian Series

Sunflower Group

SOURCES


Errors or inaccuracies and disclaims any responsibility or liability for interpretations made from the map or decisions based thereon.

The scale of this map is 1:24,000, based on 1-meter LiDAR hillshades and 1-meter 2020 U.S. Department of Agriculture – Farm Services Agency (USDA-FSA) National Agriculture Imagery Program (NAIP) digital images were used in the digital processing for use at 1:24,000 scale. In some places, the contours may deviate slightly from the 1-meter LiDAR data due to variations in LiDAR data. Elevation contours are presented for general reference. Used in the U.S. Geological Survey, Kansas Geological Survey, and other geologic units, it can be misinterpreted as a hillshade, a multidirectional shaded-relief image using angles of illumination and viewing that are chosen to accentuate terrain relief. Geologic units are proposed by gravel, sand, and loess. Geologic units of surficial geology, and in some cases, they were generated from hydrographically-improved 1/3 arc-second National Elevation Dataset (NED) data and smoothed during processing for use at 1:24,000 scale. To make the map more accurate, some errors or inaccuracies were made in the map. Machine errors or inaccuracies were made in the map. Machine errors or inaccuracies were made in the map. Machine errors or inaccuracies were made in the map. Machine errors or inaccuracies were made in the map.