

Surface Geology

North Killdeer Mountain Quadrangle, North Dakota

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EXPLANATION

QUATERNARY SYSTEM

RECENT

OAHE FORMATION

Qal Alluvium

Brownish gray to black sand, silt, clay, and lenses of gravel; flood-plain deposits along recent drainages. Includes lower terrace deposits. Typically less than 50 feet thick.

RECENT/PLEISTOCENE

Qls Landslide Deposits

Variable mixture of strata and deposits that have slid to the base of steep slopes.

PLEISTOCENE

COLEHARBOR GROUP

Qp Pediment Deposits

Variable mixture of strata and deposits that have slid to the base of steep slopes.

TERTIARY SYSTEM

MIOCENE/OLIGOCENE

Ta ARIKAREE FORMATION

Buff-colored tuffaceous sandstone, siltstone, and fresh water carbonate.

EOCENE

Tc CHADRON FORMATION

Sandy and pebbly mudstone and clayey sandstone.

EOCENE/PALEOCENE

Tgv GOLDEN VALLEY FORMATION

Camels Butte Member

Alternating beds of yellowish brown to brown, micaceous sandstone, siltstone, mudstone, claystone, and lignite.

Bear Den Member

Brightly colored, kaolinitic claystone, mudstone, and sandstone, typically overlain by a thin silicious bed (silerete) or lignite.

PALEOCENE

Tsb SENTINEL BUTTE FORMATION

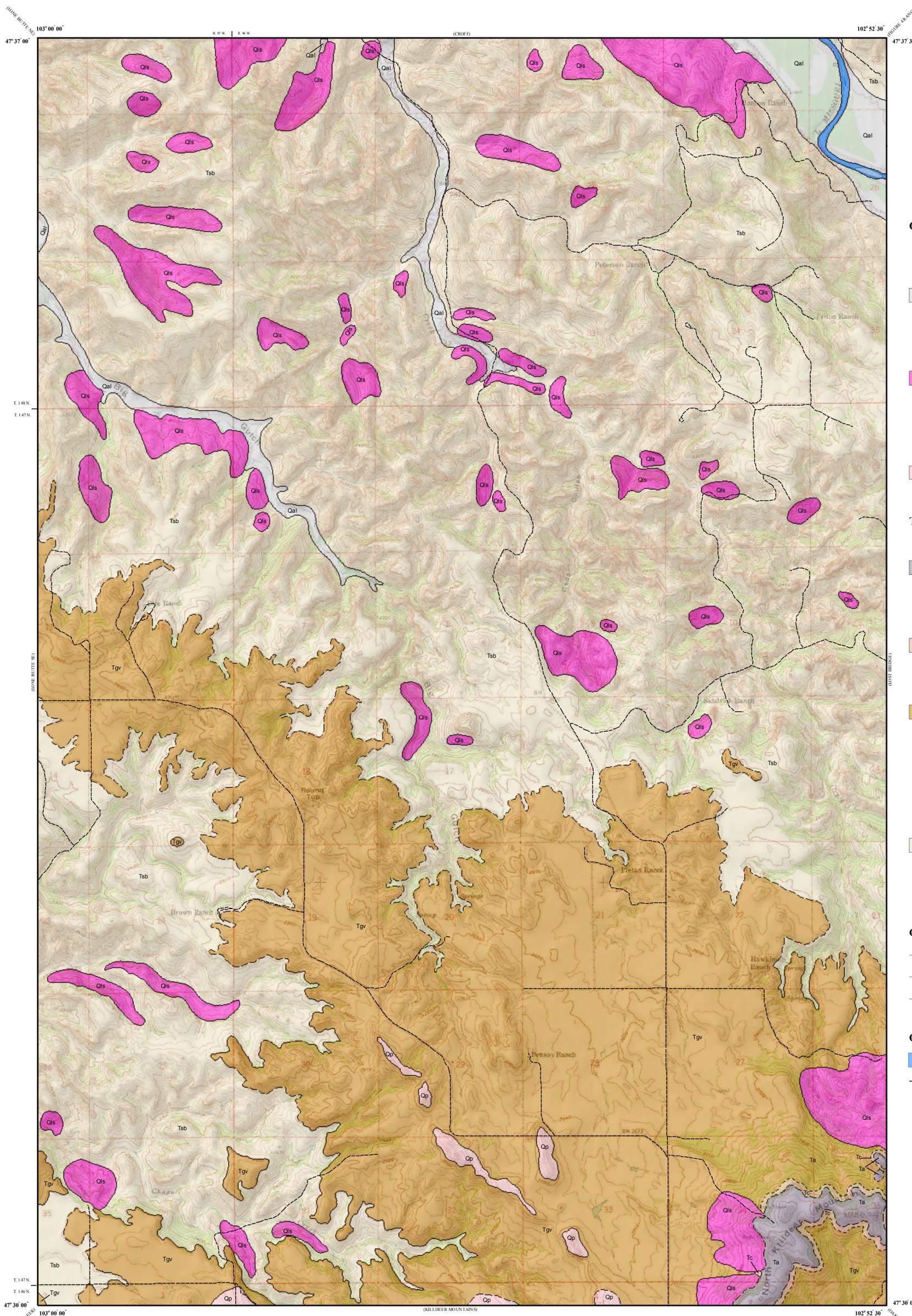
Alternating beds of grayish brown to gray sandstone, siltstone, mudstone, claystone, and lignite.

Geologic Symbols

- Known contact between two geologic units.
- - - Approximate contact between two geologic units.
- - - - Inferred (unknown) contact between two geologic units.

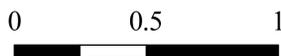
Other Features

- Water
- Unpaved Road



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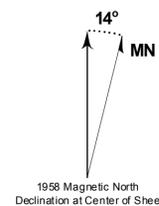
Scale 1:24,000



Miles

Lambert Conformal Conic Projection Standard Parallels 47° 30' 00" and 47° 37' 30"
1927 North American Datum NGVD 1929

USGS 7.5 Minute Topographic Map Contour Interval 20 Feet
Road Layer Rectified to 2003 NAIP Digital Orthophoto



1958 Magnetic North Declination at Center of Sheet