

Surface Geology

New Hradec North Quadrangle, North Dakota

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UNIT DESCRIPTIONS

QUATERNARY SYSTEM

RECENT

OAHE FORMATION

Qal Alluvium
Brownish gray to black sand, silt, clay, and lenses of gravel; floodplain deposits (typically less than 30 feet thick) along recent drainages. Not differentiated where it overlies Qac.

RECENT/PLEISTOCENE

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

PLEISTOCENE

COLEHARBOR GROUP

Qat Terrace Deposits
Five- to 20-foot-thick layers of sand and gravel (consisting primarily of siltcrete, chert, flint, agate, petrified wood, siltstone) found beneath flat to gently undulating slopes adjacent to many of the major creeks and rivers.

TERTIARY SYSTEM

EOCENE-PALEOCENE

Tgy GOLDEN VALLEY FORMATION
Camek Butte Member:
Alternating beds of yellowish brown to brown, micaceous sandstone, siltstone, mudstone, claystone, and lignite.
Bear Den Member:
Brightly colored, kaolinic claystone, mudstone, and sandstone typically overlain by a thin silicious bed (siltcrete) or lignite.

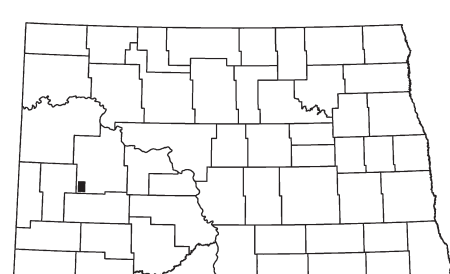
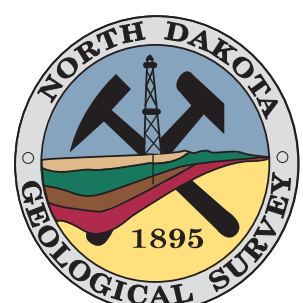
Tsb SENTINEL BUTTE FORMATION
Alternating beds of grayish brown to gray sandstone, siltstone, mudstone, claystone, and lignite.

Geologic Symbols

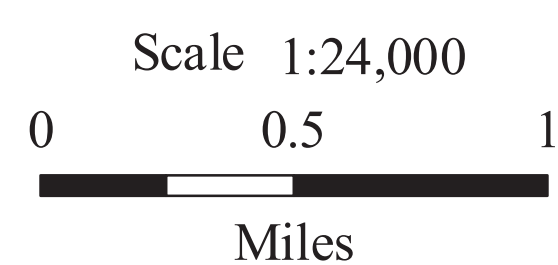
- Known contact between two geologic units.
- - - Approximate contact between two geologic units.

Other Features

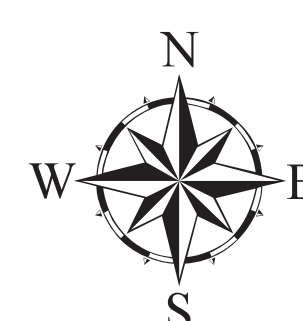
- Paved Road
- - - Unpaved Road



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Lambert Conformal Conic Projection
Standard Parallels 47° 00' 00" and 47° 07' 30"



This geologic map was funded in part by the USGS National Cooperative Geologic Mapping Program.