

# Surface Geology

## Anamoose SW Quadrangle, North Dakota

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### EXPLANATION

#### QUATERNARY SYSTEM

##### RECENT

##### OAHE FORMATION

##### Qos Pond and Slough Sediment

Dark, obscurely bedded clay and silt; in modern ephemeral ponds.

##### PLEISTOCENE

##### COLEHARBOR GROUP

##### Silt Facies

Insignificant amounts of this facies on this quadrangle.

##### Sand and Gravel Facies

River sediment. Moderately well-sorted, cross bedded sand and plane-bedded gravel, including sediment of meltwater rivers.

##### Qcrf Flat Fluvial Plains

Flat-bedded sediment of nearly level plains and river terraces, commonly with braided channel scars, oxbows, and other relict markings; relief of 1 to 10 feet. Mainly along the Souris River with minor occurrences in tributary valleys.

##### Qcrw Sand or gravel patches

Patches of sand or gravel overlying glacial sediment; water-worn till surface.

##### Qcic Ice-contact deposits

Mainly gravel and sand with cobbles and boulders common; inclusions of glacial sediment common; local relief up to 50 feet; eskers and kames.

##### Till Facies

Glacial sediment. Unsorted, unbedded mixture of angular, subangular, and rounded blocks of rock, gravel, and sand, generally in a stiff matrix of silt and clay; yellowish-brown to olive-gray in exposures depending on weathering intensity; contains discontinuous lenses of gravel and sand.

##### Qcer River-Eroded Glacial Sediment

Glacial sediment with flat to undulating topography resulting from stream erosion in the bottom of large meltwater trenches or over broad areas of till that have been washed by running water; overlain by a thin layer of fluvial sediment of the Coleharbor Group or Oahe Formation in places.

##### Qccu Collapsed Glacial Sediment-Undulating

Gently undulating to undulating surface with poorly integrated drainage; local relief generally less than 10 feet.

##### Qcc1 Hilly surface with numerous kettles

Poorly integrated drainage, linear elements (which parallel the former ice margin); local relief commonly ranges between 25 and 75 feet (Martin Moraine).


##### Qct Ice-Thrust Masses

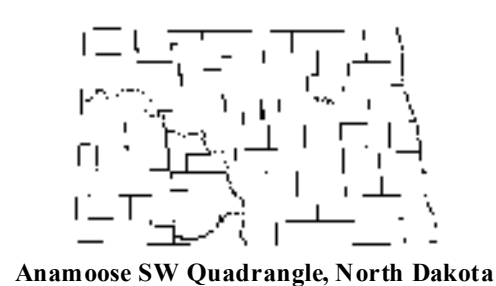
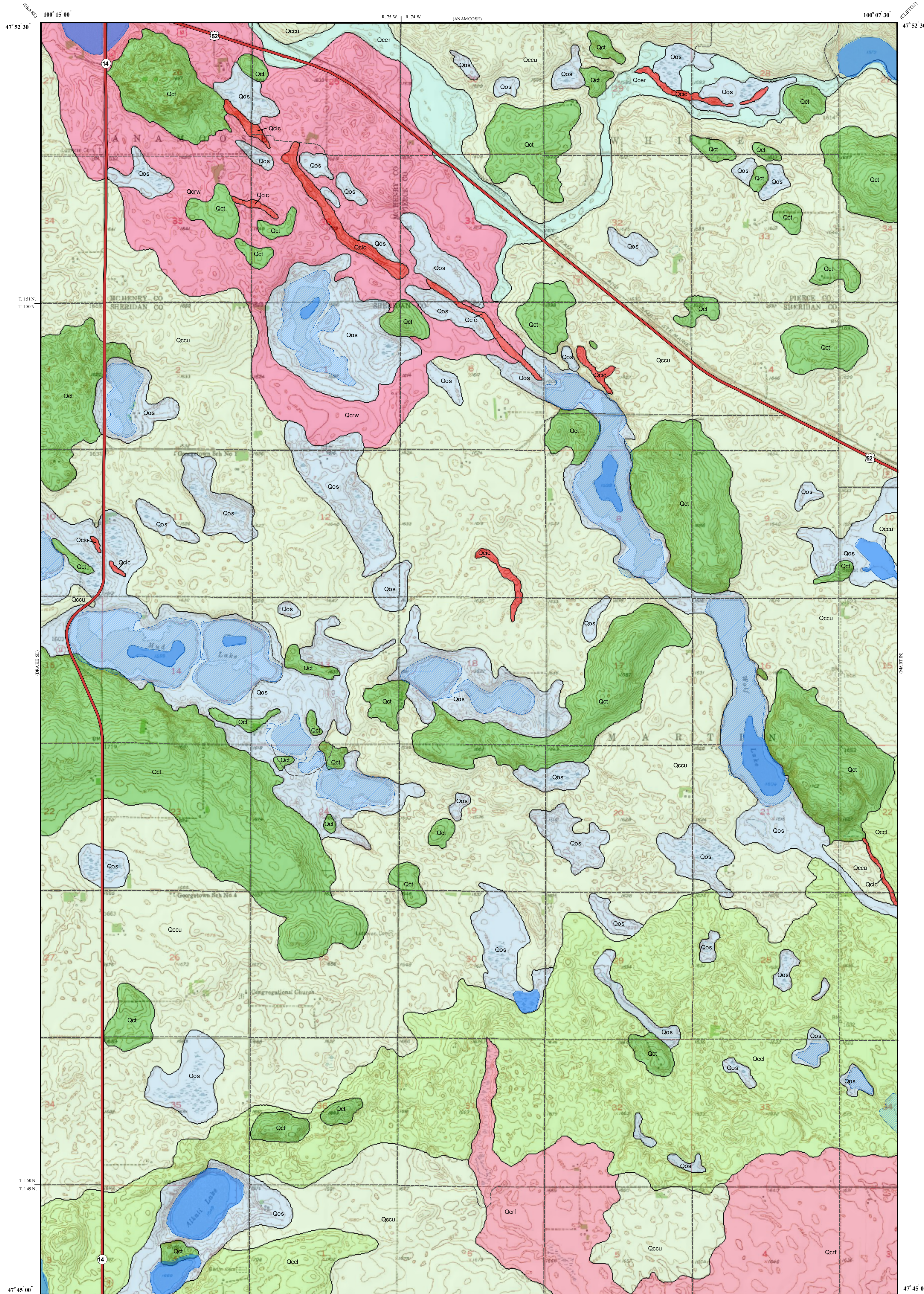
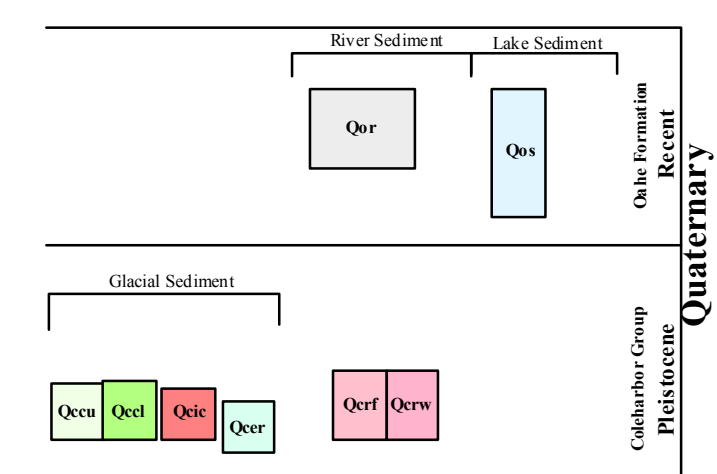
Glacial sediment draped over glacial or preglacial sediment or rock that has been sheared up into thrust slabs or folds near the ice margin; hilly areas with intense internal linearity; local concentrations of gravel and boulders; local relief may exceed 150 feet.

#### Geologic Symbols

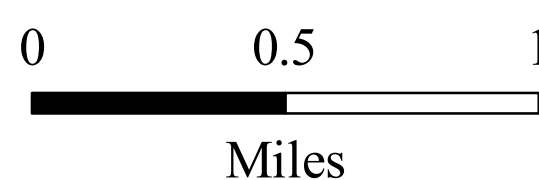
— Known contact between two geologic units

#### Other Features

-  Water
-  Water - Intermittent
-  US Highway
-  State Highway
-  Paved Road
-  Unpaved Road



Scale 1:24,000



Miles

Lambert Conformal Conic Projection Standard Parallels 47° 45' 00\"/>

