

Surface Geology

Lake Nettie 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

Offshore lake sediment consisting of laminated silt and clay of glacier-dammed lakes.

Qcoe Elevated Lake Plain

Near-shore sand and offshore lake silt and clay; largely flat areas, but in places the margins of the lake plains are slightly raised and slope to a flatter central area.

Sand and Gravel Facies

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

Qerf 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.

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.

Qoch Hilly Surface -Kettles

Nonintegrated drainage and abundant ice-disintegration features; linear trends rare; thick layer of till with scattered areas of gravel and sand; relief of 50 to 150 feet locally.

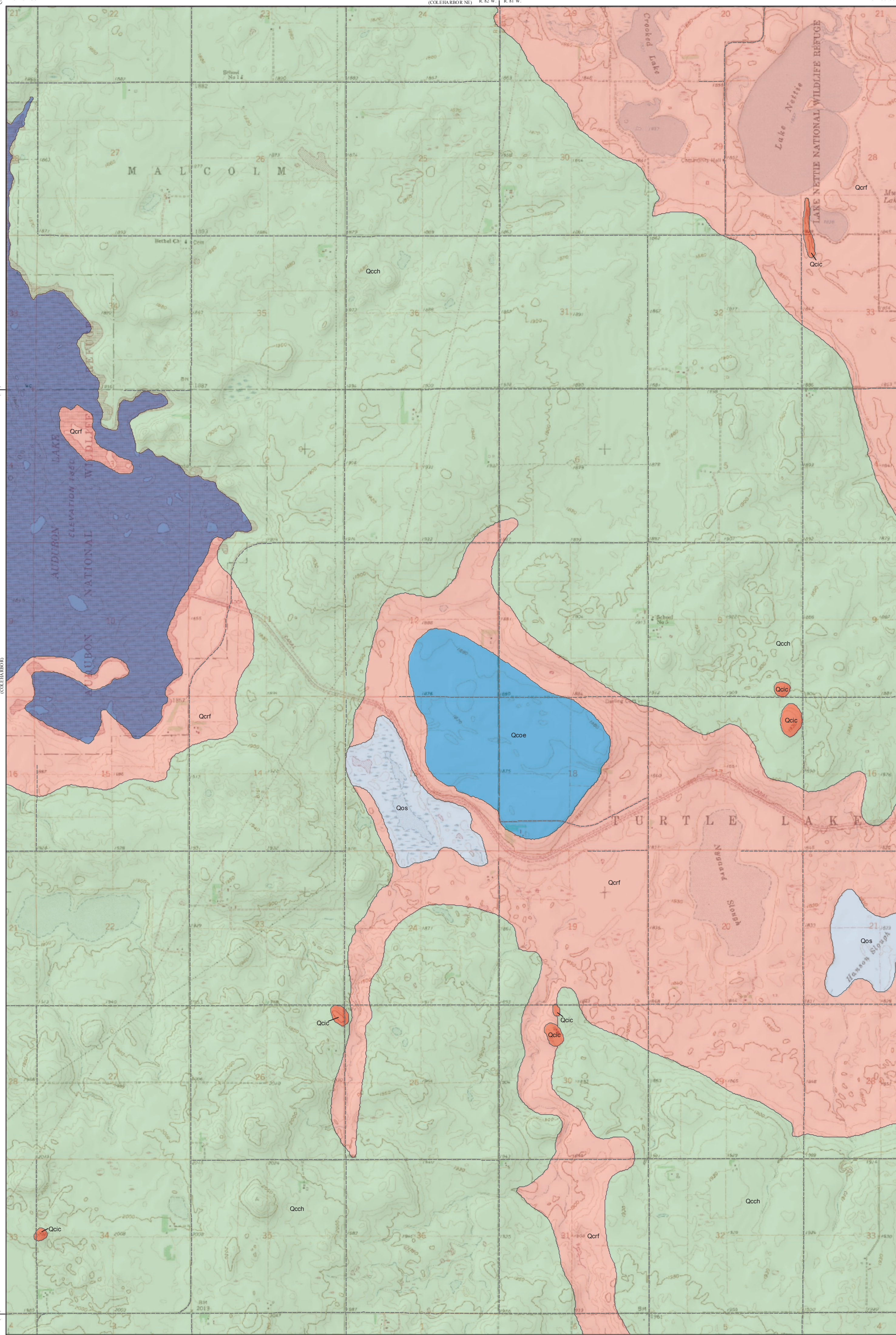
Geologic Symbols

— Known contact between two geologic units

Other Features

----- Unpaved Road

■ Water



Scale 1:24,000



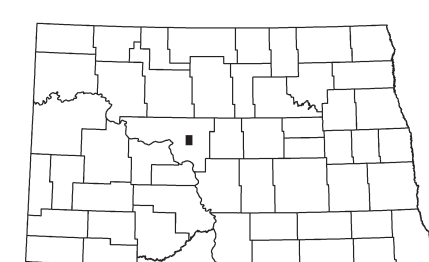
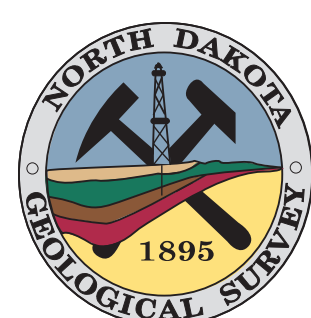
Miles

Lambert Conformal Conic Projection Standard Panels 47° 30' 00" and 47° 37' 30"
1927 North American Datum NGVD 1929
USGS 7.5 Minute Topographic Map Contour Interval 10 Feet
Road Layer Recreated to 2003 NAIP Digital Orthophoto

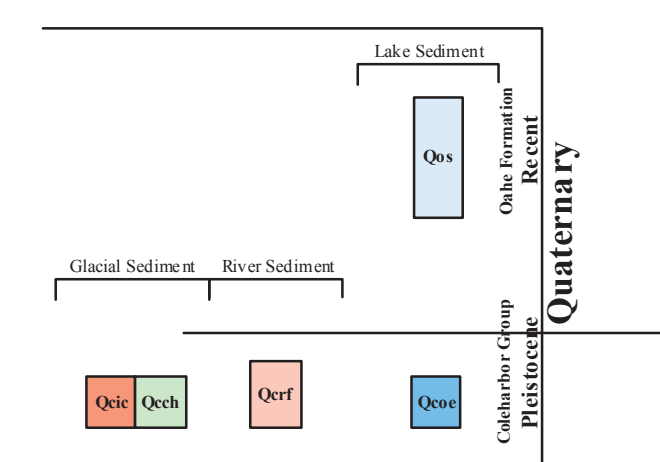
12° 30'

MN

1961 Magnetic North
Declination at Center of Sheet



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Cartographic Compilation: E.L. Kadmas & S.S. Kranich