

Surface Geology

Carrington East Quadrangle, North Dakota

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EXPLANATION

QUATERNARY SYSTEM

RECENT

OAHE FORMATION

Qor Alluvium

River and stream sediment. Dark obscurely bedded clay and silt (mainly overbank sediment); generally overlying cross-bedded sand (channel sediment); on plains of modern streams.

Qos Pond and Slough Sediment

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

PLEISTOCENE

COLEHARBOR GROUP

Sand and Gravel Facies

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

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.

Qccg Nearly Flat To Gently Undulating Surface

poorly integrated drainage; relief generally less than 15 feet; ice desintegration features in places; washboard ridges in places; longitudinal, drumlin - like ridges in places.

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 board 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.

Geologic Symbols

— Known contact between two geologic units

----- Scarp

— Transverse Ridge

Other Features

Water

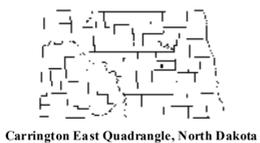
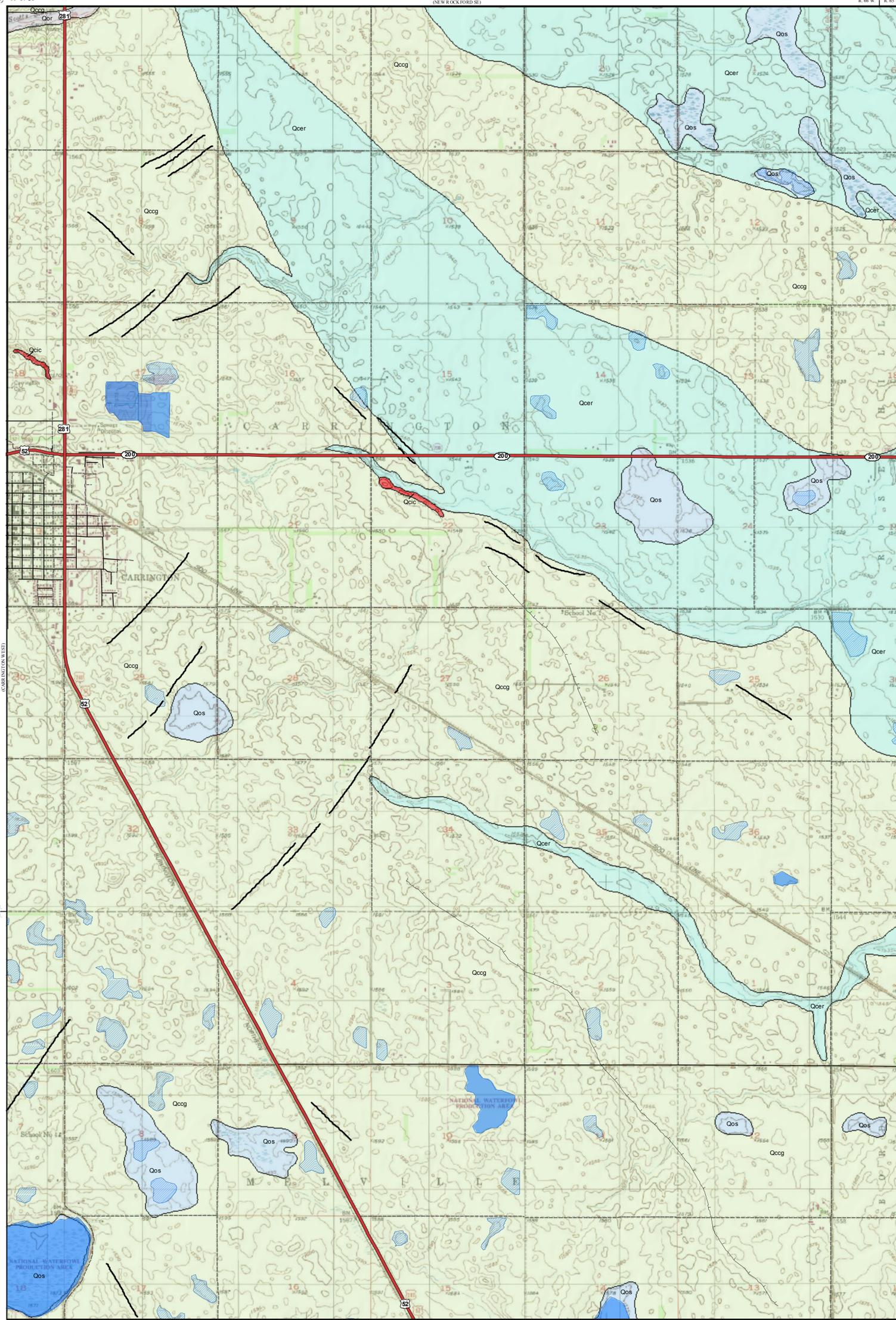
Water - Intermittent

State Highway

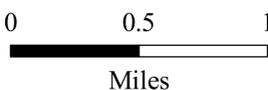
US Highway

Paved Road

Unpaved Road



Scale 1:24,000



Miles

Lambert Conformal Conic Projection Standard Parallels 47° 22' 30" and 47° 30' 00"
1927 North American Datum NGVD 1929
USGS 7.5 Minute topographic Map Contour Interval 5 Feet
Roads and Hydrologic Layers Rectified to 2003 NAIP Digital Orthophoto

11° 30'

MN

