North Dakota Geological Survey
24K: Crng W - sg

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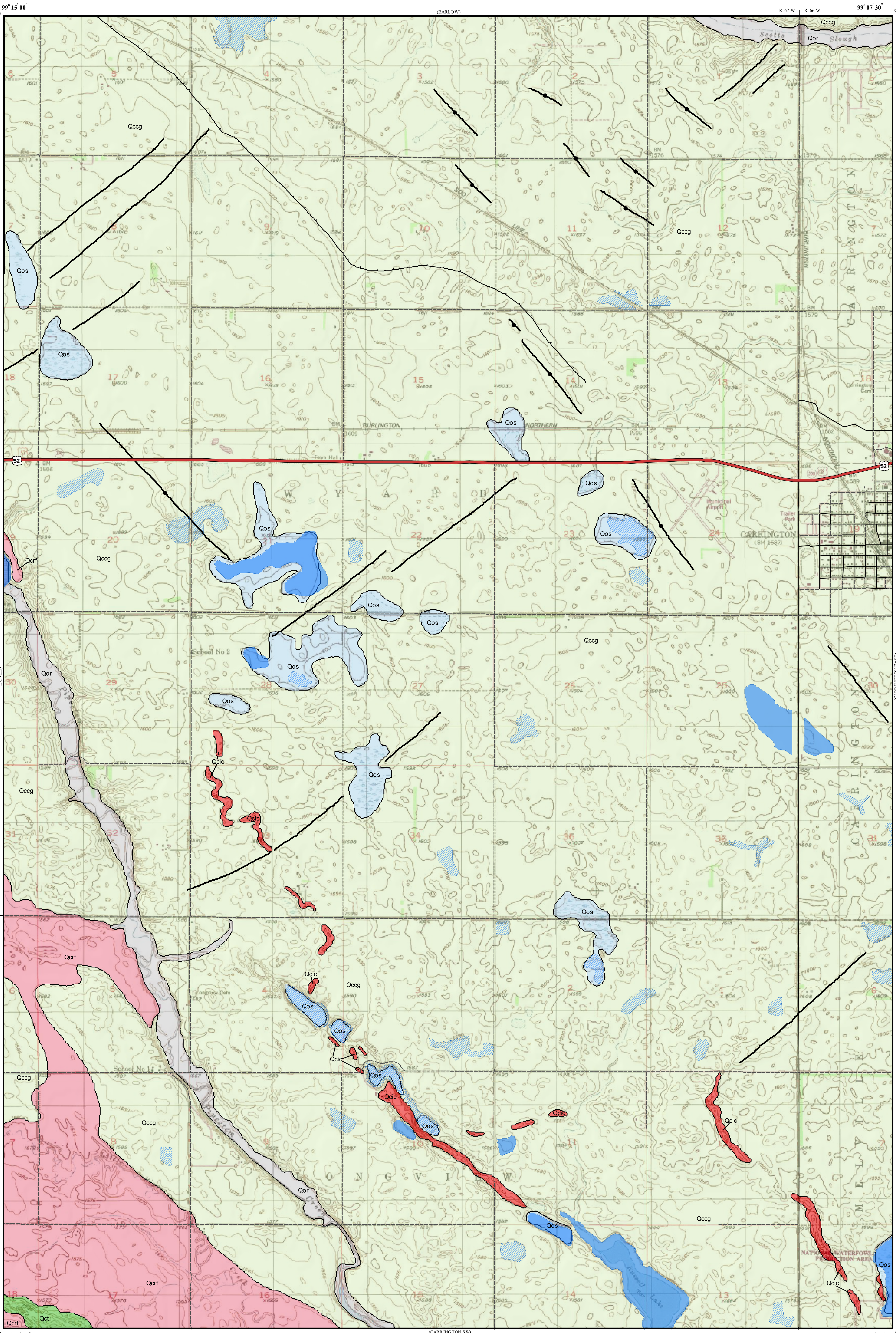
Surface Geology

Carrington West Quadrangle, North Dakota



John P. Bluenle
2006

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.

Qcrf **Uncollapsed 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.

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.

Qct **Ice-Thrust Masses**

Glacial sediment that has been 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

Scarp

Transverse Ridge

Longitudinal Ridge

Other Features

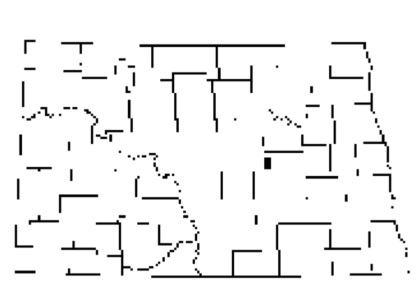
Water

Water - Intermittent

US Highway

Paved Road

Unpaved Road



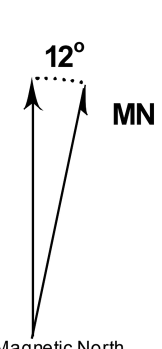
Carrington West Quadrangle, North Dakota

Scale 1:24,000

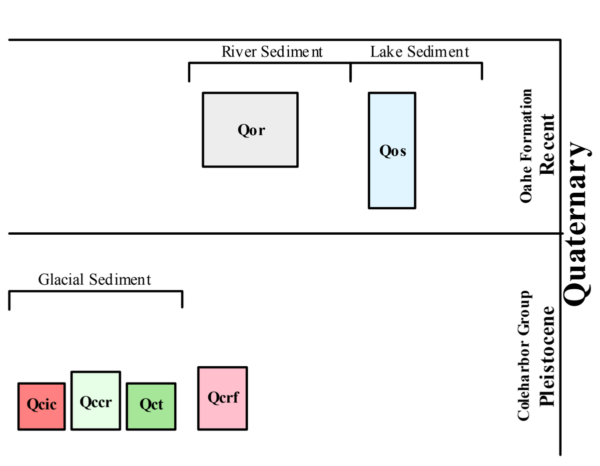
0 0.5 1

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



1949 Magnetic North
Declination at Center of Sheet



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

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