

Surface Geology

West Fargo North Quadrangle, North Dakota

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EXPLANATION

QUATERNARY SYSTEM

HOLOCENE

Haf Artificial Fill

Anthropogenic deposits placed for engineered works. Sediments associated with the City of West Fargo waste-water treatment lagoons.

OAHE FORMATION

Hop Pond and Slough Sediment (Modern)

Black-brown, obscurely bedded, silty, organic, clay.

Hfr Fluvial Sediment (Recent)

Black-brown, clay, silt and sand with organics common. Commonly less than three feet in depth. Deposited in recent drainages.

Hoa Alluvial Sediment

Brown-gray, bedded to massive, sands, silts, gravels, and clays deposited as reworked and recent channel alluvium. Constrained to areas within the Sheyenne and Maple River meander belts and along adjacent tributary drainages. Prone to slumping and cutbank erosion.

PLEISTOCENE

COLEHARBOR GROUP

Qcs SHERACK FORMATION

Yellow-gray, laminated (varved) to obscurely bedded, silt, clay, and silty-clay, cohesive, plastic. Commonly near 20 feet in thickness. Glaciolacustrine sediments deposited in offshore environments of Glacial Lake Agassiz. Prone to slumping and cutbank erosion along the Sheyenne and Maple River channels.

Geologic Symbols

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

Qcp Glaciofluvial Compaction Ridge Sediments (Maple Ridge)

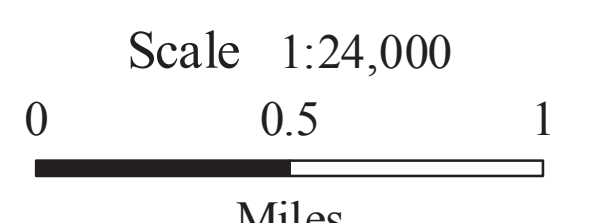
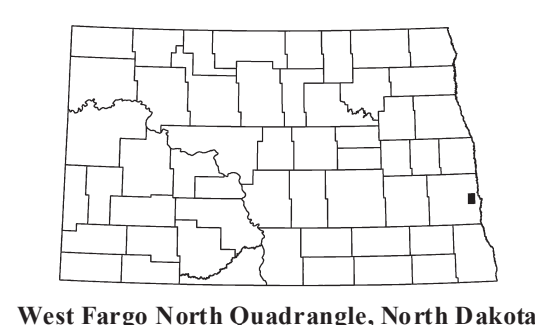
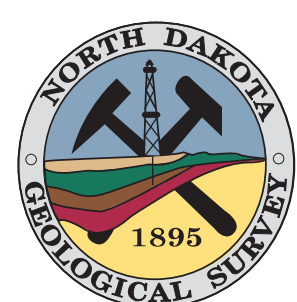
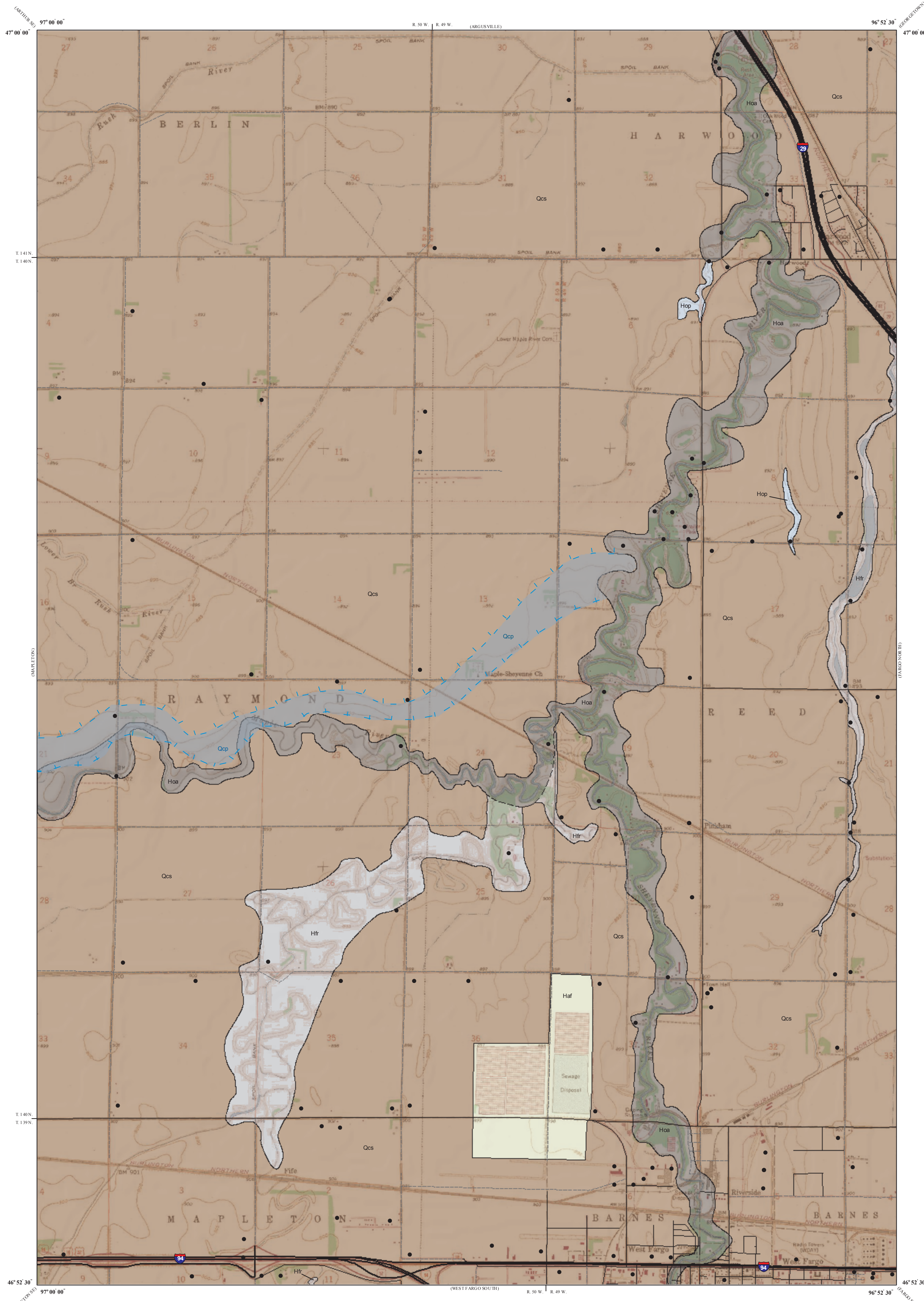
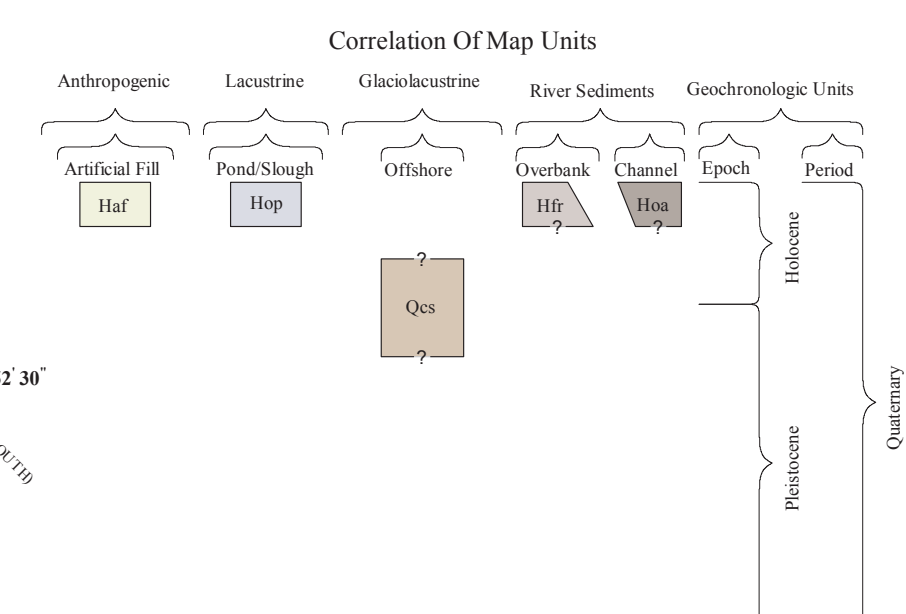
Approximate boundary of fluvial channel, compaction-ridge sediments, as mapped from aerial imagery. Brown-gray, water-bearing, silts, sands, and gravels common. Sediments deform easily and are capable of flow. Sediments belong to the West Fargo member of the Poplar River Formation and are likely to be in a state of delayed hydraulic connectivity with local hydrology.

- Control Points

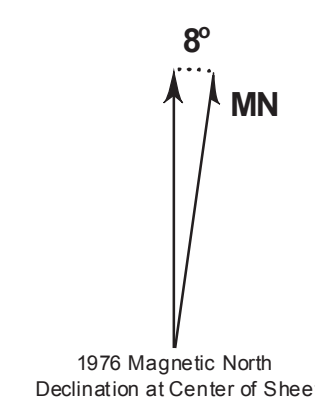
Test holes, observation wells, irrigation wells, private wells, industrial wells, municipal wells, rural water wells, soil probes, hand auger borings, and outcrops.

Other Features

- Interstate Highway
- Paved Road
- Unpaved Road



Lambert Conformal Conic Projection: Standard Parallels 46°52'30" and 47°00'00"
1927 North American Datum NGVD 1929
USGS 7.5 Minute Topographic Map Contour Interval 5 Feet
Road Layer Rectified to 2003 NAD IP Digital Orthophoto



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