



GU **Geology Undifferentiated**

I Economic Coal Deposits

Economic coal deposits are those that meet the minimum criteria established by coal companies operating surface mines in North Dakota. These economic criteria include a minimum cumulative coal thickness of ten feet—typically occurring in less than two beds, a minimum individual bed thickness of at least 2.5 feet, a ratio of overburden to coal thickness of not more than 10:1, a minimum of 25 feet of overburden, and a maximum depth to coal of approximately 150 feet.

Geologic Symbols

— Extent of Local Lignite Reserves

- **Data Points**
Includes coal exploration NDGS/USGS drill holes, sub-surface mineral drill holes, oil & gas wells, and NDSWC drill holes.

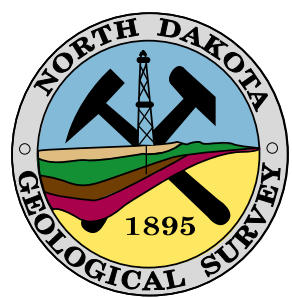
77
● Drill Hole Numbers

Other Features

 State Highway

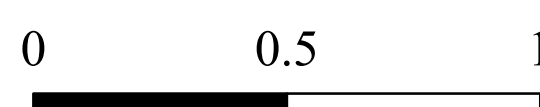
— Paved Road

----- Unpaved Road



Rat Lake SE Quadrangle, North Dakota

Scale 1:24,000

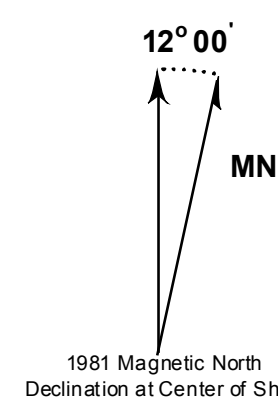


Miles

Lambert Conformal Conic Projection Standard Parallels 48° 00' 00" and 48° 07' 30"

1927 North American Datum NGVD 1929

USGS 7.5 Minute Topographic Map - Contour Interval 20 Feet



Cartographic Compilation: Steve Kranich