North Dakota Geological Survey
24K: TrtL - c

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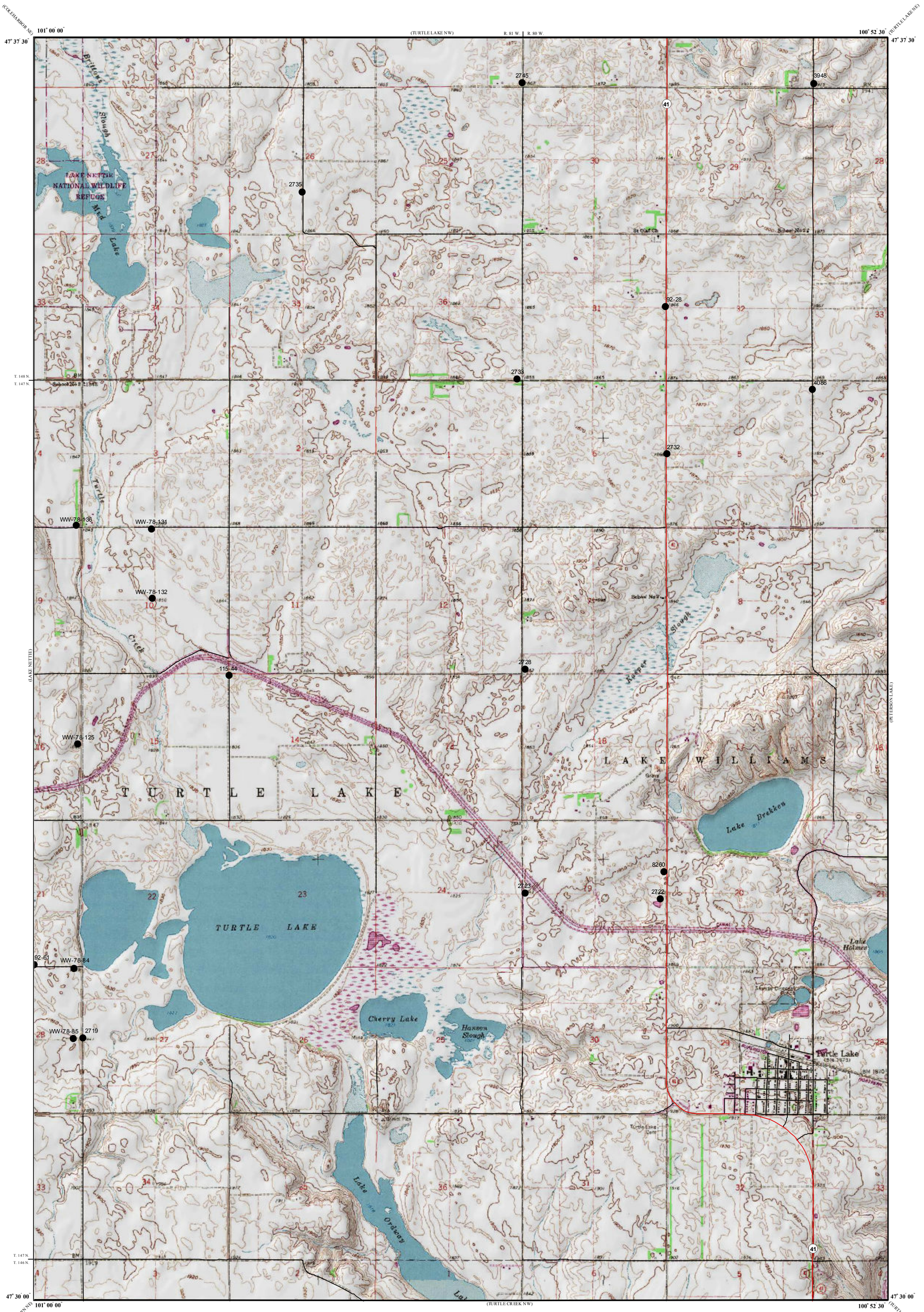
Lignite Reserves

Turtle Lake Quadrangle, North Dakota

Edward C. Murphy
2019



UNIT DESCRIPTIONS

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 occuring 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.

2722 Drill Hole Numbers

Other Features

State Highway

Paved Road

Unpaved Road

Turtle Lake Quadrangle, North Dakota

Scale 1:24,000

0 0.5 1

Miles

Lambert Conformal Conic Projection — Standard Parallels 47° 30' 00" and 47° 37' 30"

1927 North American Datum — NGVD 1929

USGS 7.5 Minute Topographic Map - Contour Interval 10 Feet

11° 30'

MN

1980 Magnetic North
Declination at Center of Sheet

Cartographic Compilation: Steve Kranich