

Areas of Landslides

Grass Lake Quadrangle, North Dakota

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UNIT DESCRIPTIONS

Geology Undifferentiated

QUATERNARY SYSTEM

RECENT/PLEISTOCENE

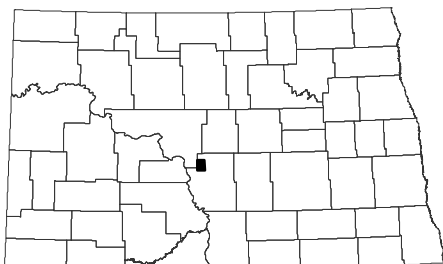
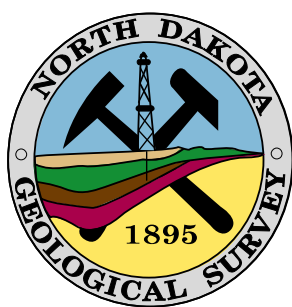
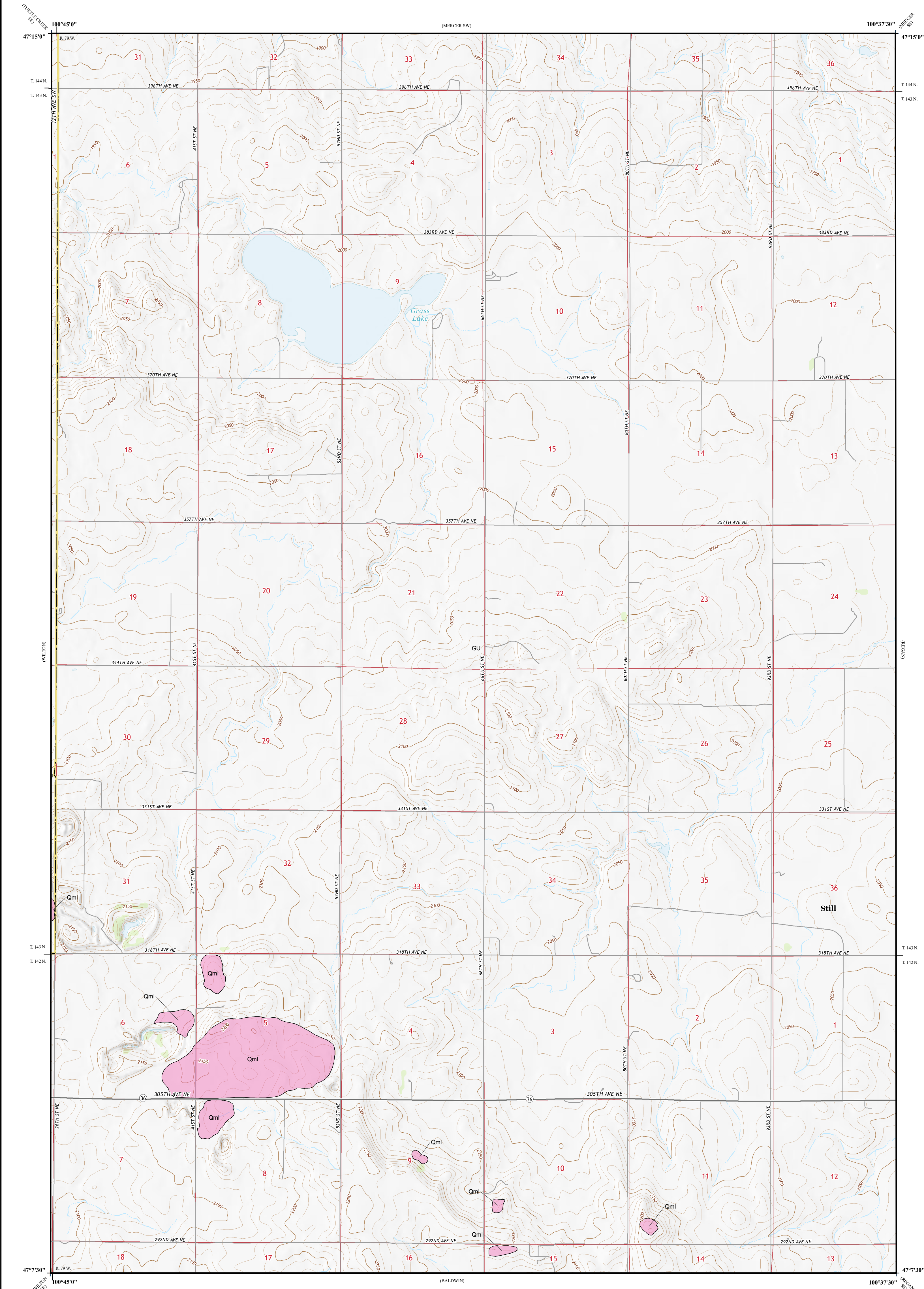
Qml Abandoned Mine Lands

Surface underlain by voids created by the underground mining of lignite. Collapse of the mine voids often creates sinkholes or depressions at the surface.

Landslides identified on this quadrangle were mapped from stereo pairs, black and white 1:20,000 scale aerial photographs flown in 1957 and 1958 by the United States Department of Agriculture (USDA). Additional data sources include digital orthophotography from the USDA National Agriculture Imagery Program (NAIP) flown in September 2024 and the North Dakota Geological Survey LiDAR Map Series, which compiles raw data flown in November 2020 to May 2024 from the North Dakota State Water Commission.

ROAD CLASSIFICATION

Expressway Local Connector
Secondary Hwy Local Road
Ramp 4WD
Interstate Route US Route State Route



Grass Lake Quadrangle, North Dakota

Scale 1:24,000
0 0.5 1
Miles
Lambert Conformal Conic Projection
North American 1983 Datum
USGS 7.5 Minute Topo Map
Standard Parallels 47°30'N, 47°15'N
NGVD 1988
Contour Interval 10 Feet

5°58' MN
2018 Magnetic North
Declination at Center of Sheet