

Areas of Landslides

Lake Helen Quadrangle, North Dakota

Christopher A. Maike

2026

UNIT DESCRIPTIONS

 Geology Undifferentiated

QUATERNARY SYSTEM

RECENT/PLEISTOCENE

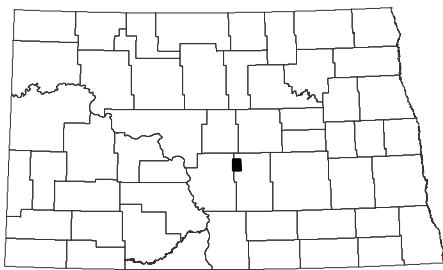
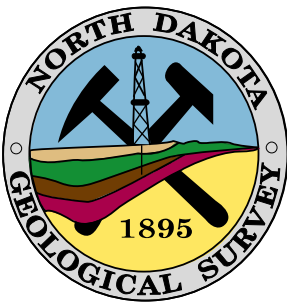
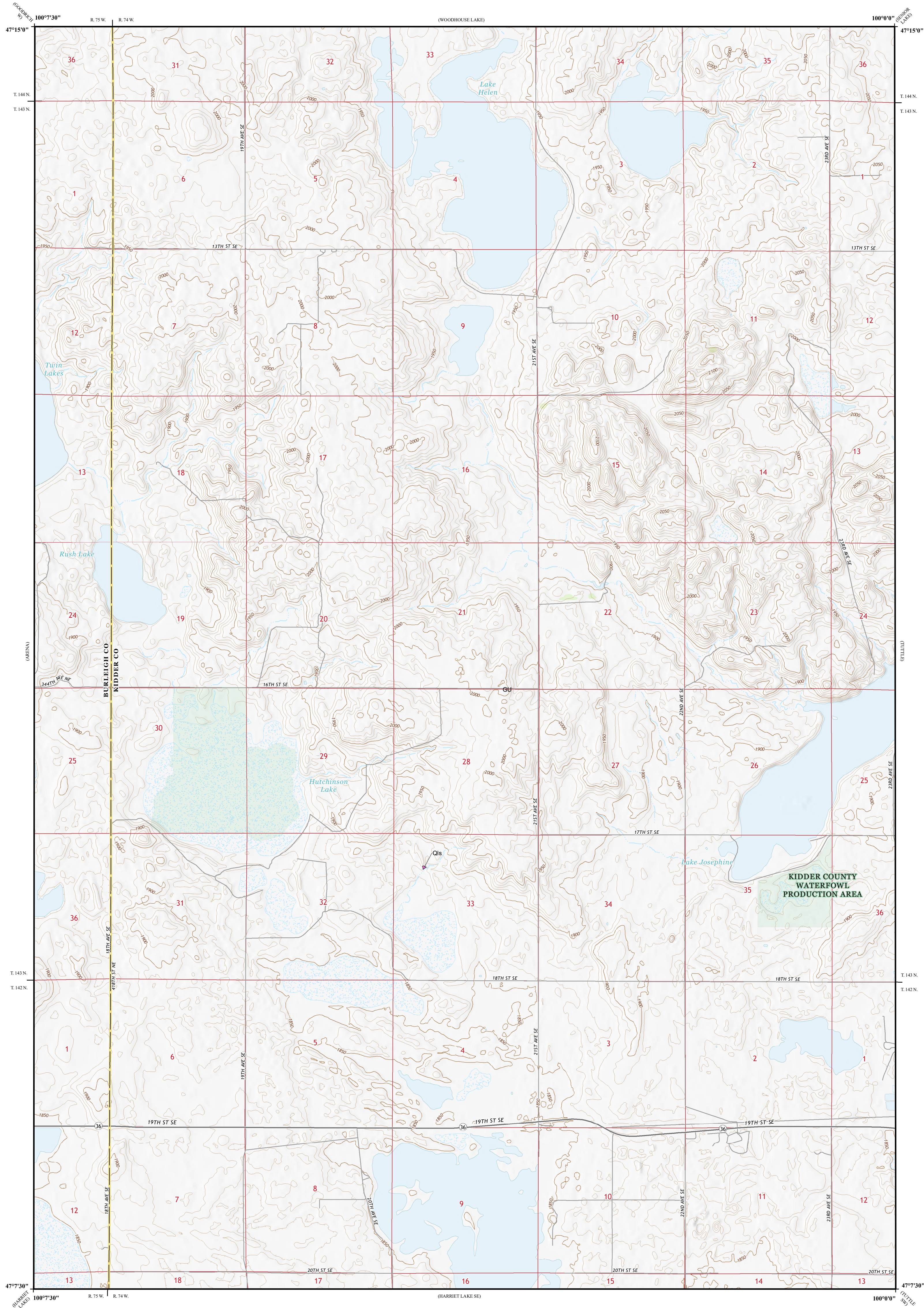
 Qls Landslide Deposits

A mass of material that has moved downslope. Includes earth flows, slumps, and areas of soil creep.

Landslides identified on this quadrangle were mapped from stereo pairs, black and white 1:20,000 scale aerial photographs flown in 1957 and 1960 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.

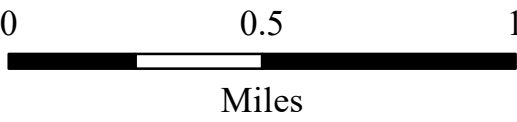
ROAD CLASSIFICATION

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



Lake Helen Quadrangle, North Dakota

Scale 1:24,000



Lambert Conformal Conic Projection
North American 1983 Datum
USGS 7.5 Minute Topo Map
Standard Parallels 47°7'30"N, 47°15'0"N
NGVD 1988
Contour Interval 10 Feet

5°19' MN

2019 Magnetic North
Declination at Center of Sheet

Cartographic Compilation: Navin Thapa