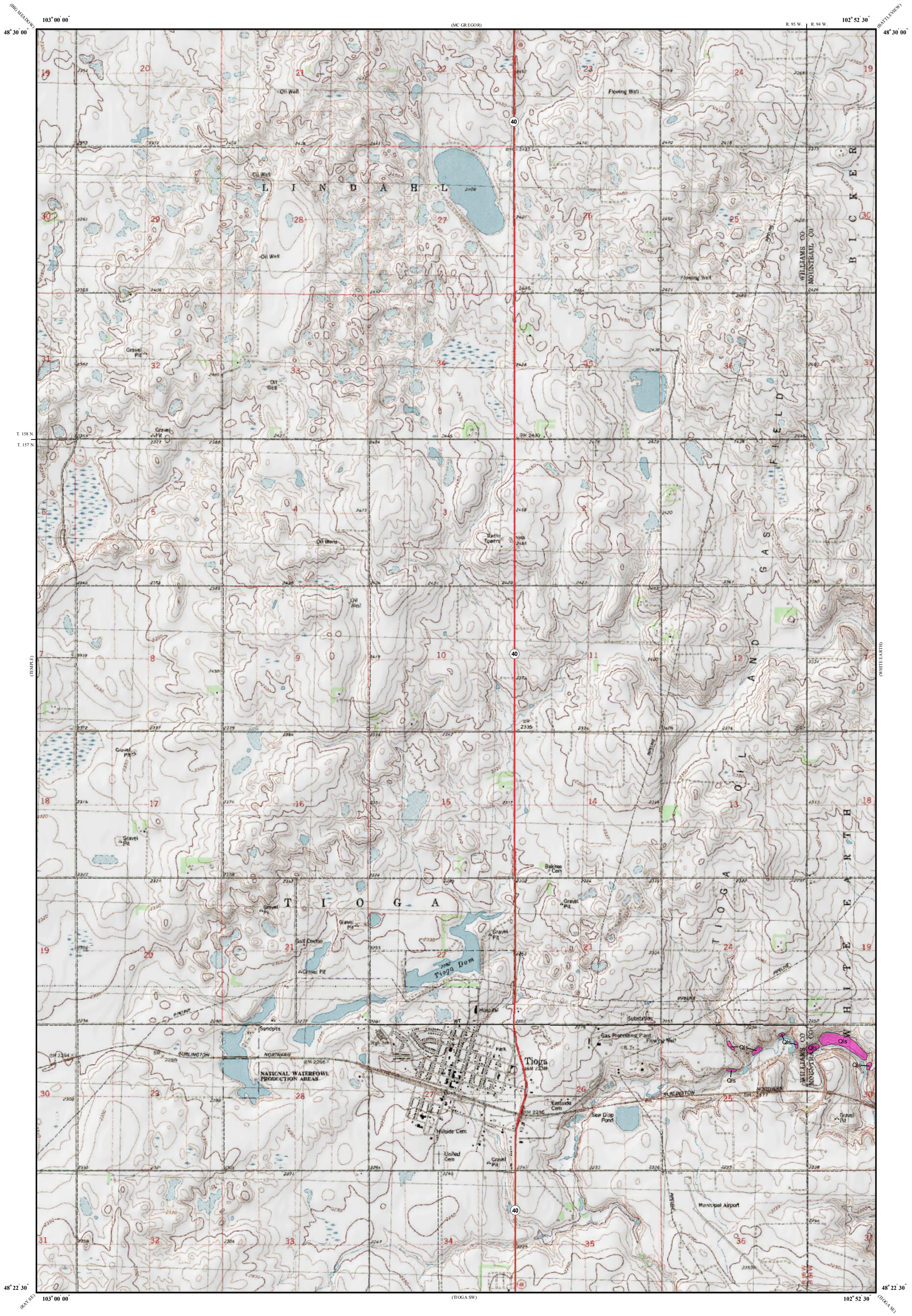
Edward C. Murphy, State Geologist
Lynn D. Helms, Director Dept. of Mineral Resources

Areas of Landslides
Tioga Quadrangle, North Dakota



Edward C. Murphy

2011

UNIT DESCRIPTIONS

Geology Undifferentiated

QUATERNARY SYSTEM

RECENT/PLEISTOCENE

Qls **Landslide Deposits**

Variable mixture of strata and deposits that have slid to the base of steep slopes.

Geologic Symbols

Known contact between two geologic units.

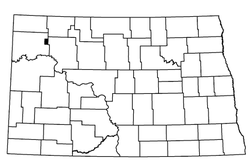
Other Features

State Highway

Paved Road

Unpaved Road

Landslides identified on this quadrangle were mapped from stereo pairs, black and white 1:20,000 scale aerial photographs flown between 6-6-58 and 9-7-58. As a result these maps can be used to identify areas that are vulnerable to slope failure, but are not an up to date assessment of all landslides for the area.



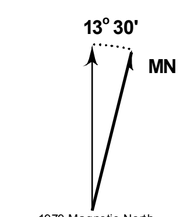
Tioga Quadrangle, North Dakota

Scale 1:24,000

0 0.5 1

Miles

Lambert Conformal Conic Projection Standard Parallels 48° 22' 30" and 48° 30' 00"
1927 North American Datum NGVD 1929
USGS 7.5 Minute Topographic Map Contour Interval 10 Feet
Road Layer Rectified to 2003 NAIP Digital Orthophoto



1979 Magnetic North
Declination at Center of Sheet

Cartographic Compilation: E. L. Kadrmas & S.S. Kranich