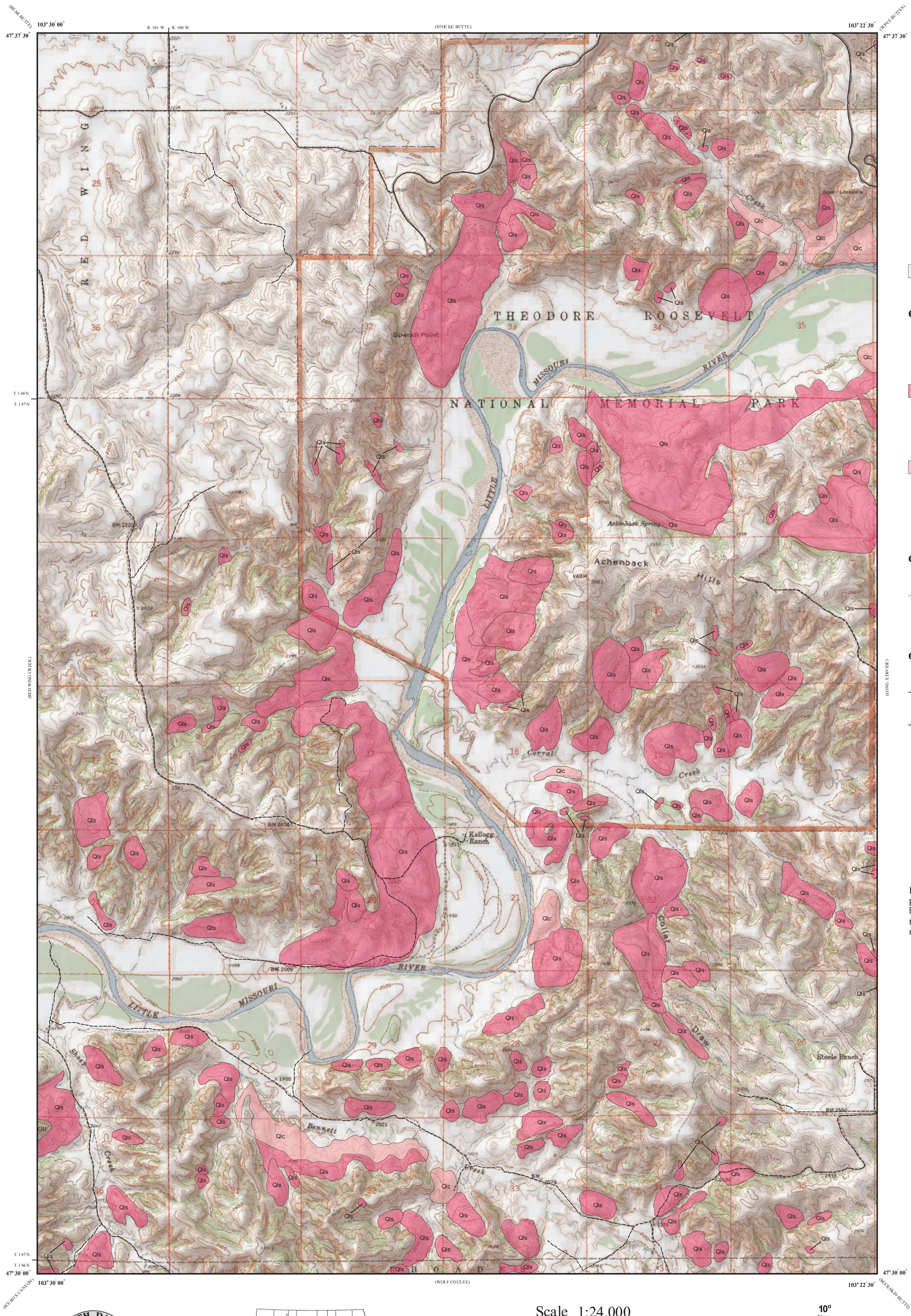
North Dakota Geological Survey
John P. Bluemle, State Geologist

Areas of Landslides
Sperati Point Quadrangle, North Dakota

Edward C. Murphy

2003



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. Most of the landslides in this area are hundreds, if not thousands, of years old.

Qlc **Landslide and Colluvium Deposits**

Colluvium or slopewash partially obscures older landslide deposits.

Geologic Symbols

Known contact between two geologic units.

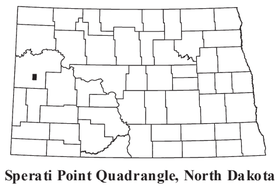
Other Features

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 6-21-58 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.

NORTH DAKOTA GEOLOGICAL SURVEY 1895



Sperati Point 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 20 Feet

Road Layer Rectified to 2003 NAIP Digital Orthophoto

2001 Magnetic North
Declination at Center of Sheet

Cartographic Compilation: Elroy L. Kadrmas