

Areas of Landslides

Bear Butte Quadrangle, North Dakota

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UNIT DESCRIPTIONS

 **Geology Undifferentiated**

QUATERNARY SYSTEM

RECENT/PLEISTOCENE

 **Landslide Deposits**










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

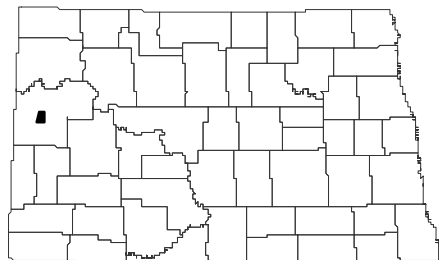
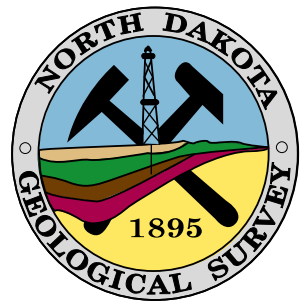
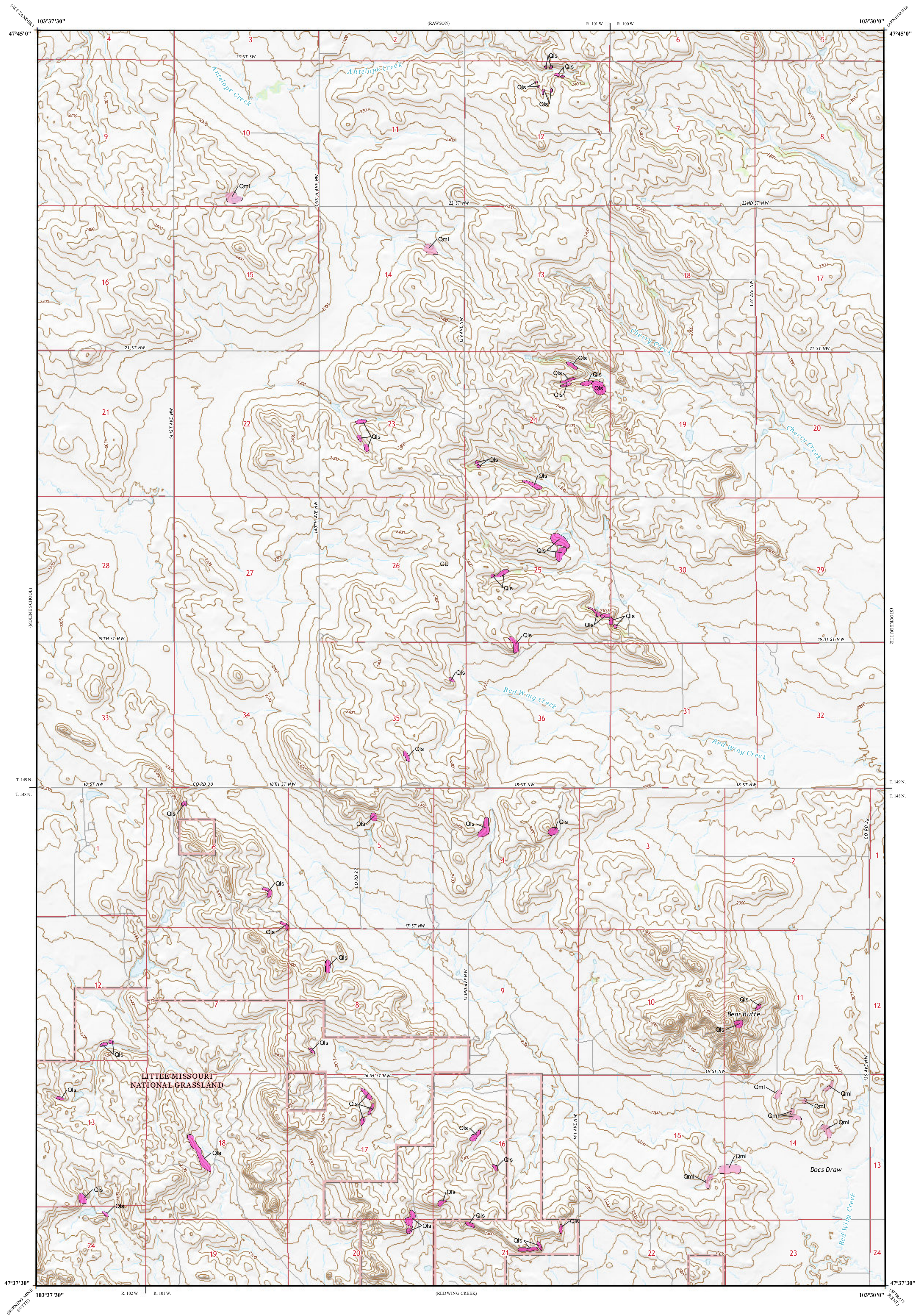
 **Abandoned Mine Lands**

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 June to September 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 August 2022 and the North Dakota Geological Survey LiDAR Map Series, which compiles raw data flown in May 2023 from the North Dakota State Water Commission.

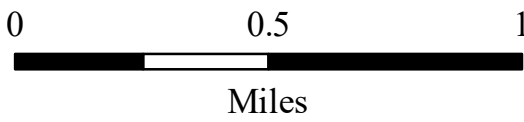
ROAD CLASSIFICATION

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



Bear Butte Quadrangle, North Dakota

Scale 1:24,000



Lambert Conformal Conic Projection
North American 1983 Datum
USGS 7.5 Minute Topo Map
Standard Parallels 47°37'30"N, 47°45'0"N
NGVD 1988
Contour Interval 20 Feet



2019 Magnetic North
Declination at Center of Sheet