

# Areas of Landslides

## Pearl Butte Quadrangle, North Dakota

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### 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.

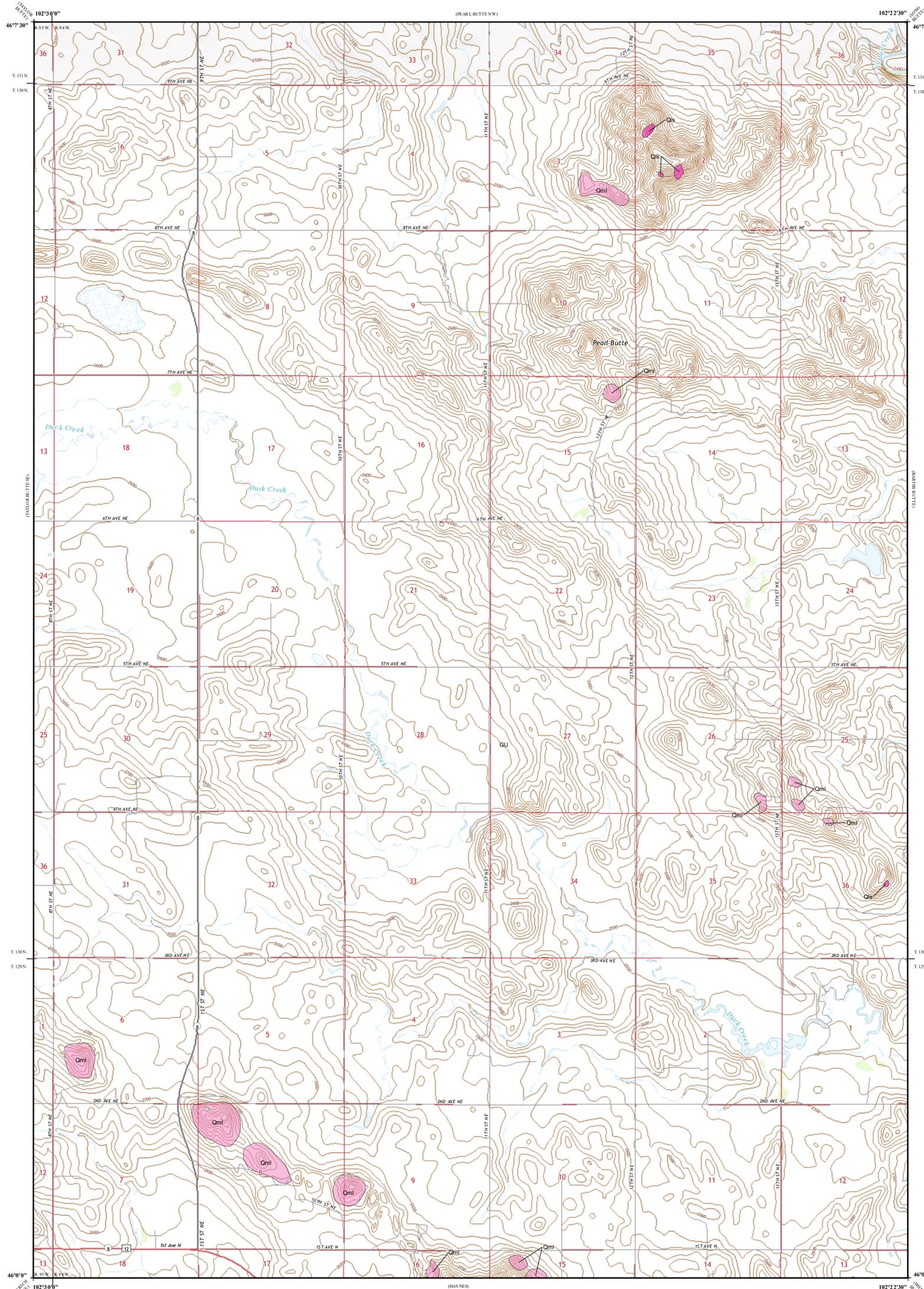
 Qm1 Abandoned Mine Lands

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 July 1957 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 November 2021 from the North Dakota State Water Commission.

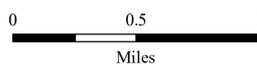
### ROAD CLASSIFICATION

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



Pearl Butte Quadrangle, North Dakota

Scale 1:24,000



Miles

Lambert Conformal Conic Projection  
North American 1983 Datum  
USGS 7.5 Minute Topo Map

Standard Parallels 46°00'N, 46°7'30"N  
NGVD 1988  
Contour Interval 10 Feet

