

Areas of Landslides

Emden Quadrangle, North Dakota

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UNIT DESCRIPTIONS

 Geology Undifferentiated

QUATERNARY SYSTEM










RECENT/PLEISTOCENE

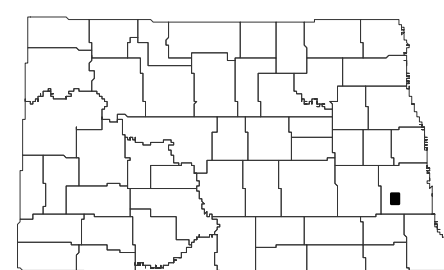
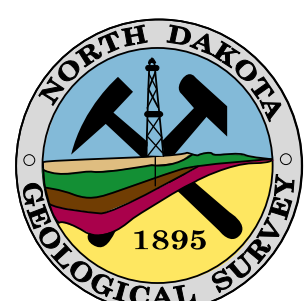
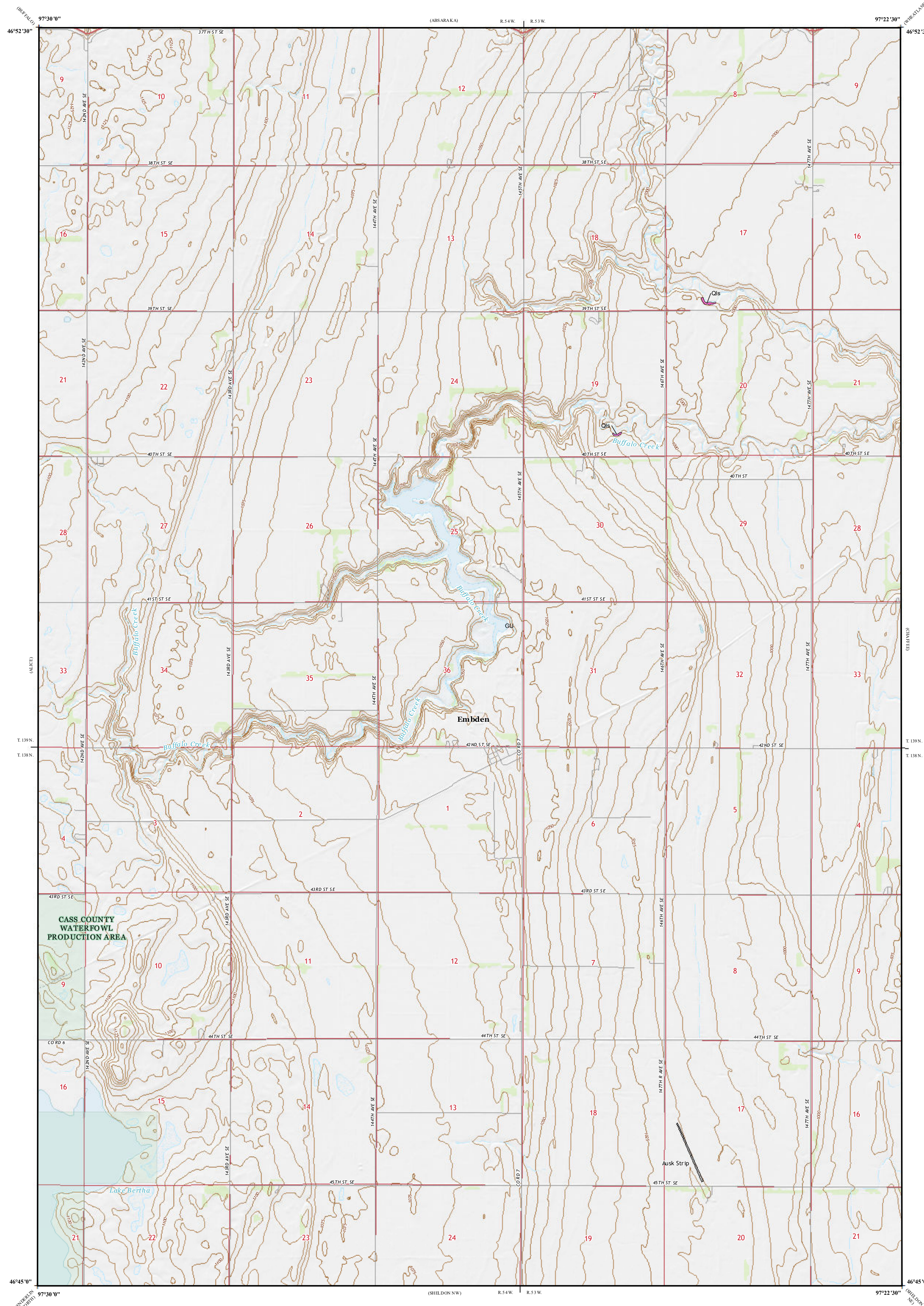
 Qs Landslide Deposits

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 1954 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 2021 and the North Dakota Geological Survey LiDAR Map Series, which compiles raw data flown in May to December 2020 from the North Dakota State Water Commission. Landslide mapping originally completed by Moxness in 2021 has been updated on this map after reviewing recently published LiDAR elevation data and contemporary imagery.

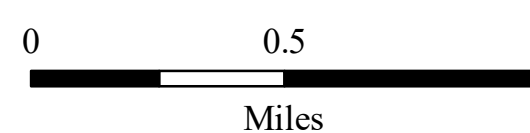
ROAD CLASSIFICATION

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



Emden 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°45'0"N, 46°52'30"N
NGVD 1988
Contour Interval 5 Feet

