North Dakota Geological Survey
Geologic Investigations No. x

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PLATE 1 - HISTORICAL LINEAMENTS MAPPED IN THE PARSHALL AREA, NORTH DAKOTA

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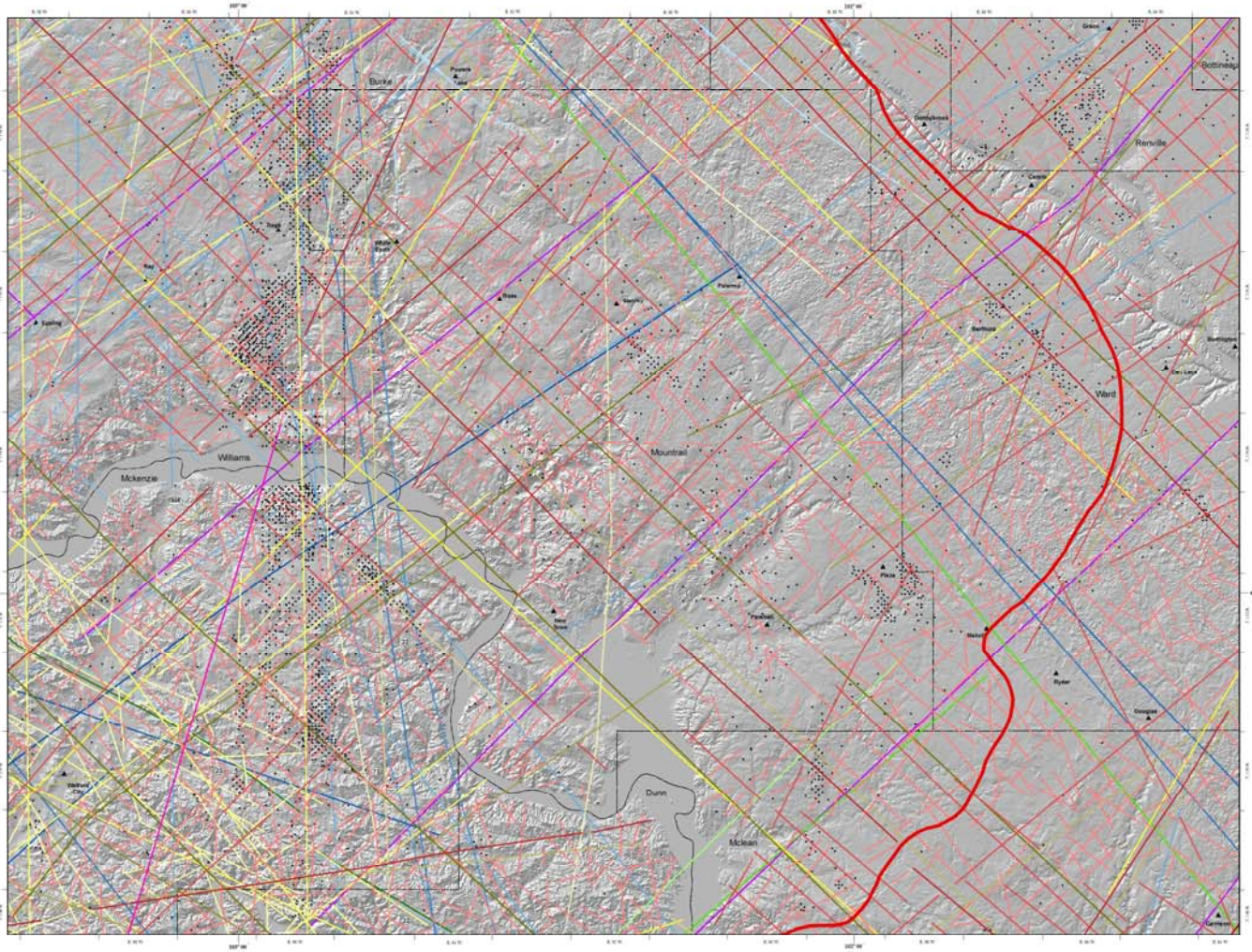


MAPPING AND ANAYLSIS OF HISTORIC LINEAMENTS

EXPLANATION

LANDSAT - 1983
- < 30 miles
- 30 to 200 miles
- 200 to 500 miles
- More than 500 miles

CENOZOIC
- (Kreis-Kent,2000) Present
- (Freisatz,1995) Present
- (Shurr,1995) Present
- (Mollard,1987) Present
- (Oglesby,1987) Present
- (Downey-etal,1987) Present
- (Anna,1986) SF
- (Hayes,1984) SF
- (Cooley,1983) ND-Present
- (Kent,1974) Present
- (Thomas,1974) Present
- (Erickson,1970) Present

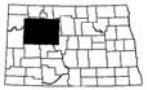
MESOZOIC
- (Anna,1986) UpperK-Pierre
- (Downey-etal,1987) M-Jurassic-K
- (Shurr,1995) Cretaceous

PALEOZOIC
- (Penner-Cosford,2006) Mississippian
- (Penner-Cosford,2006) Devonian
- (Shurr,1995) Mississippian
- (Inden-Burke,1995) Devonian
- (Gerhard-etal,1987) Mix
- (Brown-Brown,1987) Paleozoic
- (Downey-etal,1987) Paleozoic
- (Peterson-MacCray,1987) Paleozoic
- (Maughan-Perry,1986) Middle Phanerozoic
- (Maughan-Perry,1986) Pennsylvanian
- (Hindman,1984) MississippianWB
- (Hindman,1984) Mississippian

PRECAMBRIAN
- (Gibson,1995) Precambrian

HAMAN, P. J., 1975
- Lineament - Tectonic Study

Other Features
- Drill Hole
- Towns
- County Boundaries
- State and US Highways



The map area is a constructed 250k sheet. Belden, Belden SE, Belden SW, and Sikes Dam are the four center 24k quadrangles.

Scale 1:250,000

0 5 10 15 20 Miles

0 5 10 15 20 Kilometers

Mercator Projection — 1927 North American Datum
Standard parallel 47° 22' 30" — Central meridian 102° 07' 30"
USGS NED Shaded Relief - Vertical Exaggeration 9x

N W E S