

NEW PUBLICATIONS

All Survey publications (maps, posters, and reports) are available for free download from our website (www.dmr.nd.gov/ndgs/Publication_List/). Paper copies of 24K maps are \$5, 100K are \$10, and posters are typically \$15.

DIGITIZATION MAPS - COUNTY GEOLOGY

Sioux County: Digitized from: Carlson, C.G., 1982, Geologic map of Grant and Sioux Counties: North Dakota Geological Survey Bulletin 67, Part I, Plate 1, by Levi D. Moxness, Navin Thapa and Christopher A. Maike.
Mountrail County: Digitized from: Clayton, L., 1972, Descriptive Geologic Map of Mountrail County, North Dakota: North Dakota Geological Survey Bulletin 55, Part IV, Map 1, 1:125,000 scale, by Levi D. Moxness, Navin Thapa and Christopher A. Maike.
Rolette County: Digitized from: Deal, D.E., 1971, Geologic maps of Rolette County: North Dakota Geological Survey Bulletin 58, Plate 1, 1:125,000 scale, by Levi D. Moxness, Navin Thapa and Christopher A. Maike.

GEOLOGIC INVESTIGATIONS

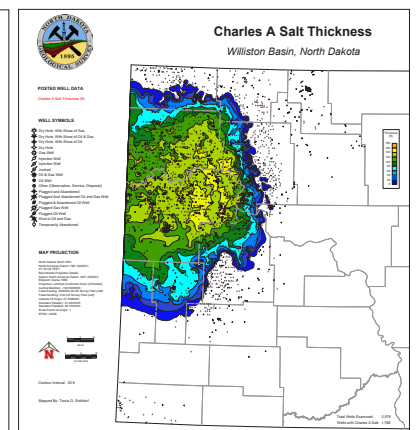
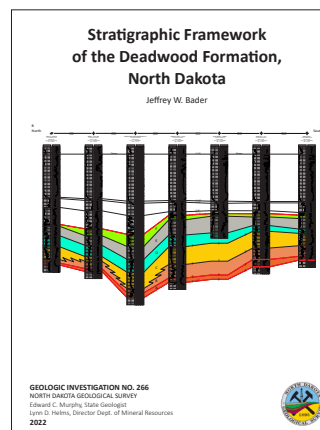
Bader, J.W., Lake, J.H., Sarnoski, A.H., 2022, Deadwood Formation (Cambrian / Ordovician) of North Dakota, A Core Atlas: North Dakota Geological Survey Geologic Investigations No. 265.
Bader, J.W., 2022, Stratigraphic Framework of the Deadwood Formation, North Dakota: North Dakota Geological Survey Geologic Investigations No. 266.
Stollendorf, T.D., 2022, Charles A Salt Extent and Thickness, Williston Basin, North Dakota: North Dakota Geological Survey Geologic Investigations No. 267.

LANDSLIDE MAPS - COUNTY SERIES

Anderson, F.J., Moxness, L.D., Maike, C.A., and Murphy, E.C., 2022, Landslide Areas in Grant County, North Dakota, North Dakota Geological Survey, County Landslide Map Series, Grant-L, 1:125,000.
Anderson, F.J., Moxness, L.D., Maike, C.A., and Murphy, E.C., 2022, Landslide Areas in Ward County, North Dakota, North Dakota Geological Survey, County Landslide Map Series, Ward-L, 1:125,000.
Anderson, F.J., Moxness, L.D., Maike, C.A., and Murphy, E.C., 2022, Landslide Areas in Williams County, North Dakota, North Dakota Geological Survey, County Landslide Map Series, Williams-L, 1:125,000.
Moxness, L.D., Anderson, F.J., and Maike, C.A., 2022, Landslide Areas in Barnes County, North Dakota, North Dakota Geological Survey, County Landslide Map Series, Barnes-L, 1:125,000.

LANDSLIDE MAPS

Anderson, F.J. and McDonald, M.R., 2022, Areas of Landslides Flat Rock Butte Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. FIRB - I.
Anderson, F. J. and Murphy, E. C., 2022, Areas of Landslides Horse Creek School Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. HrCS - I.
Anderson, F. J. and Murphy, E. C., 2022, Areas of Landslides Cartwright Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Crwt - I.
Anderson, F. J. and Murphy, E. C., 2022, Areas of Landslides Charbonneau Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Chbn - I.
Anderson, F. J. and Murphy, E. C., 2022, Areas of Landslides Sather Lake Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. SthL - I.
Anderson, F. J. and Murphy, E. C., 2022, Areas of Landslides Phillip Spring Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. PhIS - I.
Anderson, F. J. and Murphy, E. C., 2022, Areas of Landslides Sheep Creek Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. ShpC - I.
Anderson, F. J. and Murphy, E. C., 2022, Areas of Landslides Indian Butte Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. IndB - I.
Anderson, F. J. and Murphy, E. C., 2022, Areas of Landslides Lehigh Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Lghh - I.
Anderson, F. J. and Murphy, E. C., 2022, Areas of Landslides Bratburg Butte Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. BrbB - I.
Anderson, F. J. and Murphy, E. C., 2022, Areas of Landslides Moline School Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. MlnS - I.
Maike, C.A., 2022, Areas of Landslides Casselton Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Csln - I3.
Maike, C.A., 2022, Areas of Landslides Mapleton Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Mptn - I3.
Maike, C.A., 2022, Areas of Landslides Casselton SE Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Csln SE - I3.
Maike, C.A., 2022, Areas of Landslides Chaffee Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Chfe - I3.
Maike, C.A., 2022, Areas of Landslides Durbin Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Drbn - I3.
Maike, C.A., 2022, Areas of Landslides Wheatland Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Wlnd - I3.
Maike, C.A., and Anderson, F. J., 2022, Areas of Landslides Thompson Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Tpsn - I3.
Maike, C.A., and Anderson, F. J., 2022, Areas of Landslides Grand Forks Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. GrFk - I3.
Maike, C.A., and Anderson, F. J., 2022, Areas of Landslides Oriska Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Orsk - I3.
Maike, C.A., and Anderson, F. J., 2022, Areas of Landslides Hickson Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Hksn - I3.
Maike, C.A., and Anderson, F. J., 2022, Areas of Landslides Bygland (MN) Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Bygd - I3.
Maike, C.A., and Anderson, F. J., 2022, Areas of Landslides Georgetown (MN) Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Grgt - I3.
Maike, C.A., and Anderson, F. J., 2022, Areas of Landslides Fargo North Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Frgo N - I3.
Maike, C.A., and Anderson, F. J., 2022, Areas of Landslides Fargo South Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Frgo S - I3.
Maike, C.A., and Moxness, L. D., 2022, Areas of Landslides Climax NW Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Clmx NW - I3.
Maike, C.A., and Moxness, L. D., 2022, Areas of Landslides Fingal Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Fngl - I3.
Maike, C.A., and Moxness, L. D., 2022, Areas of Landslides Nome Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Nome - I3.
Maike, C.A., and Moxness, L. D., 2022, Areas of Landslides Lucca Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Lcca - I3.
Maike, C.A., and Moxness, L. D., 2022, Areas of Landslides Buttzville Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Btzv - I3.



- Maike, C.A., and Moxness, L. D., 2022, Areas of Landslides Eldred (MN) Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Eldr - I3.
- Maike, C.A., and Moxness, L. D., 2022, Areas of Landslides Climax (MN) Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Clmx - I3.
- Maike, C.A., and Moxness, L. D., 2022, Areas of Landslides Shelly (MN) Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Shly - I3.
- Maike, C.A., and Moxness, L. D., 2022, Areas of Landslides Halstad (MN) Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Hstd - I3.
- Maike, C.A., and Moxness, L. D., 2022, Areas of Landslides Perley (MN) Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Prly - I3.
- Maike, C.A., and Moxness, L. D., 2022, Areas of Landslides Enderlin South Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Endr S - I3.
- Maike, C.A., and Moxness, L. D., 2022, Areas of Landslides Tower City Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. TwrC - I3.
- Maike, C.A., and Moxness, L. D., 2022, Areas of Landslides Buffalo Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Bflo - I3.
- Maike, C.A., and Moxness, L. D., 2022, Areas of Landslides Absaraka Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Absa - I3.
- Maike, C.A., and Moxness, L. D., 2022, Areas of Landslides Tower City SW Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. TwrC SW - I3.
- Maike, C.A., and Moxness, L. D., 2022, Areas of Landslides Alice Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Alce - I3.
- Maike, C.A., and Moxness, L. D., 2022, Areas of Landslides Embden Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Emdn - I3.
- Maike, C.A., and Moxness, L. D., 2022, Areas of Landslides Leonard Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. LnrD - I3.
- Maike, C.A., and Moxness, L. D., 2022, Areas of Landslides Kindred Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Kndr - I3.
- Maike, C.A., and Moxness, L. D., 2022, Areas of Landslides Sheldon NW Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Shdn NW - I3.
- Maike, C.A., and Moxness, L. D., 2022, Areas of Landslides Sheldon NE Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Shdn NE - I3.
- Maike, C.A., and Moxness, L. D., 2022, Areas of Landslides Sheldon Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Shdn - I3.
- Maike, C.A., and Moxness, L. D., 2022, Areas of Landslides Coburn Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Cbrn - I3.
- Maike, C.A., and Moxness, L. D., 2022, Areas of Landslides Power Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Pwer - I3.
- Maike, C.A., and Moxness, L. D., 2022, Areas of Landslides Barrie Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Brre - I3.
- Maike, C.A., and Moxness, L. D., 2022, Areas of Landslides Enderlin North Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Endr N - I3.
- Moxness, L.D., 2022, Areas of Landslides Fingal SW Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Fnlg SW - I3.
- Moxness, L.D., 2022, Areas of Landslides Kathryn Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Kryn - I3.
- Moxness, L.D., 2022, Areas of Landslides Ft Ransom Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. FtRn - I3.
- Moxness, L.D., 2022, Areas of Landslides Nome SE Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Nome SE - I3.
- Moxness, L.D., and Anderson, F.J., 2022, Areas of Landslides Valley City West Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. VlyC W - I3.
- Moxness, L.D., and Anderson, F.J., 2022, Areas of Landslides Valley City East Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. VlyC E - I3.
- York, B.C. and Anderson, F.J., 2022, Areas of Landslides Union Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Unon - I3.
- York, B.C. and Anderson, F.J., 2022, Areas of Landslides Gardar Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Grdr - I3.
- York, B.C. and Maike, C.A., 2022, Areas of Landslides Crystal Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Crsl - I3.
- York, B.C. and Maike, C.A., 2022, Areas of Landslides Crystal SE Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Crsl SE - I3.
- York, B.C. and Maike, C.A., 2022, Areas of Landslides North Salt Lake Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. NrSL - I3.
- York, B.C. and Maike, C.A., 2022, Areas of Landslides St Thomas Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. StTh - I3.
- York, B.C. and Maike, C.A., 2022, Areas of Landslides Oslo Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Oslo - I3.
- York, B.C. and Maike, C.A., 2022, Areas of Landslides Drayton Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Drtn - I3.
- York, B.C. and Maike, C.A., 2022, Areas of Landslides Big Woods NW Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. BgWd NW - I3.
- York, B.C. and Maike, C.A., 2022, Areas of Landslides Big Woods SW Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. BgWd SW - I3.
- York, B.C. and Moxness, L.D., 2022, Areas of Landslides Christine Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Chrs - I3.
- York, B.C. and Moxness, L.D., 2022, Areas of Landslides Wolverton (MN) Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Wlvr - I3.
- York, B.C. and Moxness, L.D., 2022, Areas of Landslides Abercrombie (MN) Quadrangle, ND Quadrangle: North Dakota Geological Survey 24K Map Series No. Abre - I3.

REPORTS OF INVESTIGATION

- Kruger, N.W., Moxness, L.D., and Murphy, E.C., 2022, Rare Earth and Other Critical Element Concentrations in the Sentinel Butte and Bullion Creek Formations (Paleocene), Billings, McKenzie, and Golden Valley Counties, North Dakota: North Dakota Geological Survey Report of Investigation 131, 90 p.
- Anderson, F.J., and Moxness, L.D., 2022, Sandstones of the Fox Hills and Hell Creek Formations in North Dakota: Proppant Testing and Characterization, North Dakota Geological Survey, Report of Investigation No. 132, 50 p.

SURFACE GEOLOGY MAPS

- Anderson, F.J., 2022, Surface Geology of the Durbin Quadrangle, North Dakota: North Dakota Geological Survey, 24K Map Series No. Drbn - sg.
- Anderson, F.J., 2022, Surface Geology of the Casselton Quadrangle, North Dakota: North Dakota Geological Survey, 24K Map Series No. Csln - sg.
- Anderson, F.J., 2022, Surface Geology of the Casselton SE Quadrangle, North Dakota: North Dakota Geological Survey, 24K Map Series No. Csln SE - sg.
- Anderson, F.J., Moxness, L.D., and Maike, C. A., 2022, Surface Geology of the Hickson Quadrangle, North Dakota: North Dakota Geological Survey 24K Map Series No. Hksn - sg.

