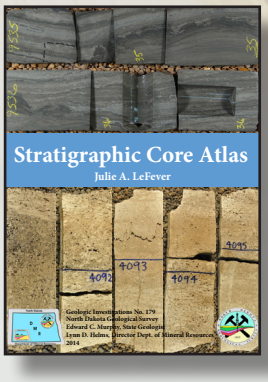
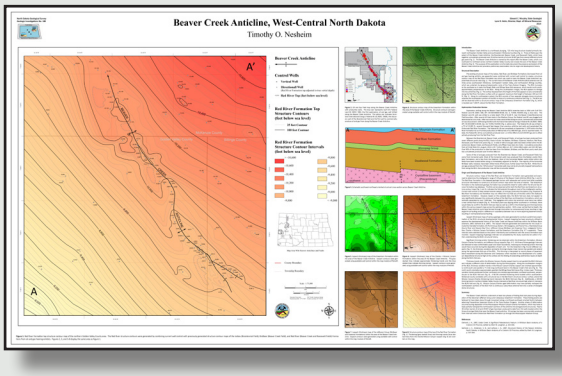
NEW PUBLICATIONS

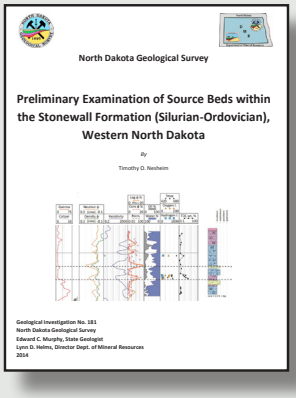
Geologic Investigations



LeFever, J.A., 2014, Stratigraphic Core Atlas: North Dakota Geological Survey, Geologic Investigations No. 179. GI-179 is a stratigraphic handbook of the subsurface formations of the Williston Basin. Included in the handbook, is a description of each formation, the wireline log signature and a representative core photograph. CD $5.

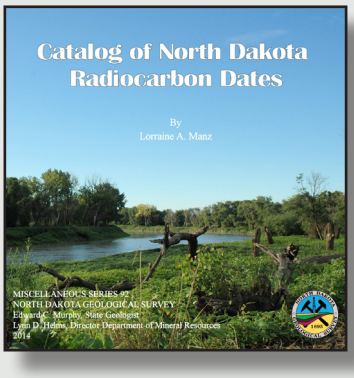


Nesheim, T.O., 2014, Beaver Creek Anticline, West-Central North Dakota: North Dakota Geological Survey, Geologic Investigations No. 180. Beneath parts of SW McKenzie, NE Golden Valley, and NW Billings counties of west-central North Dakota is a 25 mile long, previously unnamed anticline, which this publication defines as the Beaver Creek Anticline. GI-180 provides a brief overview of the oil and gas production from along the Beaver Creek Anticline and examines its structural history through a series of structure contour and isopach maps. Paper $15, CD $5.



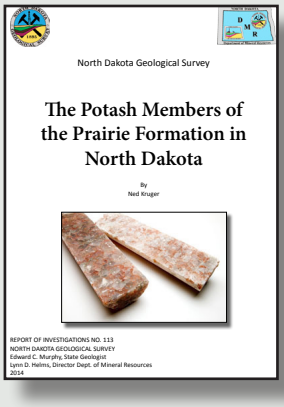
Nesheim, T.O., 2014, Preliminary Examination of Source Bed Intervals within the Silurian-Ordovician Stonewall Formation: North Dakota Geological Survey, Geologic Investigations No. 181. 108 samples were collected from four different Stonewall cores and analyzed to identify possible source bed intervals within the Stonewall Formation. While the Stonewall Formation has commercially produced oil and gas from North Dakota over that past several decades, there has previously been minimal published material examining the petroleum geology of the Stonewall Formation. CD $5.

Miscellaneous Series



Manz, L.A., 2014, Catalog of North Dakota Radiocarbon Dates: North Dakota Geological Survey, Miscellaneous Series No. 92. This publication is a compilation of approximately 270 archaeological and geologic radiocarbon dates for North Dakota. The data is presented in the form of an Excel spreadsheet, accompanied by site maps, explanatory text and an extensive bibliography. MS-92 is a revised and updated version of the original Catalog of North Dakota Radiocarbon Dates (MS-53) published by the North Dakota Geological Survey in 1973. CD $5.

Report of Investigations


North Dakota Geological Survey

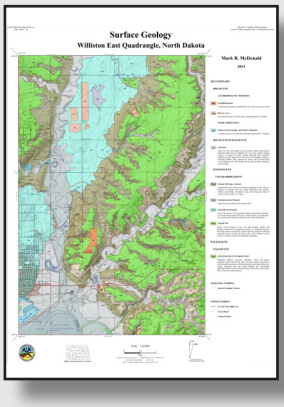
The Potash Members of the Prairie Formation in North Dakota

By
Ned Kruger

REPORT OF INVESTIGATIONS NO. 113
NORTH DAKOTA GEOLOGICAL SURVEY
Edward C. Murphy, State Geologist
Lynn D. Helms, Director Dept. of Mineral Resources
2014

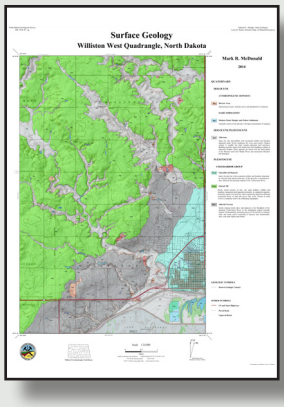
Kruger, N.W., 2014, The Potash Members of the Prairie Formation in North Dakota: North Dakota Geological Survey, Report of Investigations No. 113. A total of 545 geophysical well logs in northwestern North Dakota were utilized to investigate the stratigraphy of the Prairie Formation potash deposits. Six potash-containing members were identified (Esterhazy, White Bear, Belle Plaine, Patience Lake, Mountrail, and White Lake). The report includes isopach and gamma ray contour maps of individual member beds, combined gross and net thickness isopachs of paired members, geological cross-sections, log section illustrations, and data table. RI-113 also provides a comparison of laboratory measured concentrations for sylvite and carnallite to those obtained by a quantitative log evaluation method from the most recent potash exploration well drilled in 2010. CD $5.

Surface Maps


Surface Geology
Williston East Quadrangle, North Dakota

Mark R. McDonald
2014

McDonald, M.R., 2014, Surface geology of the Williston East Quadrangle, North Dakota, 24K: Wlst E-sg. The surface geology in the uplands within this quadrangle is dominated by glacial till. The Sentinel Butte Formation underlies the till and is exposed along drainages leading into the Missouri River, Little Muddy River, Stony Creek, and Crazy Coulee. The city of Williston is situated primarily upon sand, silt, clay, gravel, cobbles and boulders deposited by the ancestral Yellowstone River. Paper $15, CD $5.


Surface Geology
Williston West Quadrangle, North Dakota

Mark R. McDonald
2014

McDonald, M.R., 2014, Surface geology of the Williston West Quadrangle, North Dakota, 24K: Wlst W-sg. The surface geology in the uplands within this quadrangle is dominated by glacial till. The Sentinel Butte Formation underlies the till but is not exposed or is exposed in very small outcrops along the major drainages leading into the Missouri River Valley. Sand and gravel operations in this area are situated within alluvial terraces adjacent to the Missouri River or in glacial deposits along the edges of major drainages. Paper $15, CD $5.

Outside Publications

Nesheim, T.O., and Nordeng, S.H., 2014, Examination of the Depositional Setting and Geochemistry of Upper Tyler Formation (Pennsylvanian) Source Rocks within Southwestern North Dakota: Unconventional Resources Technology Conference, Denver, CO, extended abstract, 8 p.

Nesheim, T.O., and Nordeng, S.H., 2014, Examination of the Tyler Formation's (Pennsylvanian) Exploration and Development History using Current Source Rock and Reservoir Maps: AAPG Rocky Mountain Section Meeting, Denver, CO, abstract.