

NEW PUBLICATIONS



Geologic Investigations

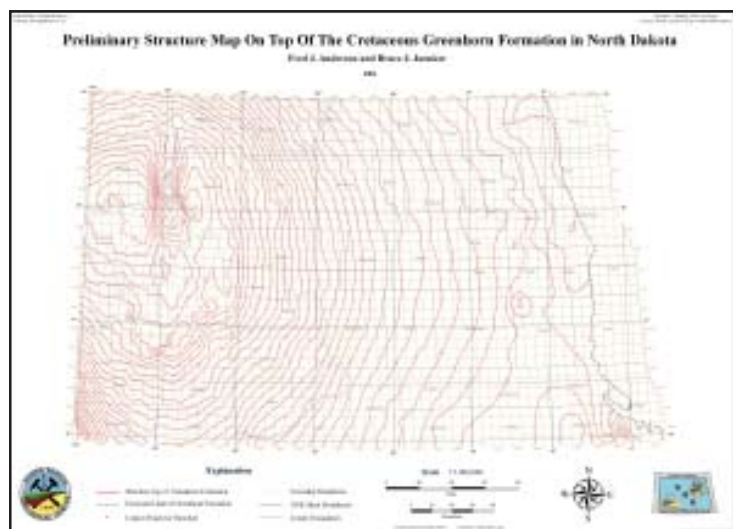
Anderson, F.J., 2006, Historical Shallow Natural Gas Occurrences in Wells in Bottineau County, North Dakota: North Dakota Geological Survey Geologic Investigations No. 28, map. Price \$10.00.



Anderson, F.J., 2006, Field Screening for Shallow Gas in Emmons County, North Dakota: North Dakota Geological Survey Geologic Investigations No. 29, map. Price \$10.00.

GI-29 is a map that depicts the results of recent shallow gas field screening conducted in Emmons County. This 1:150,000 scale map presents the results of flame-ionization detector field screening analysis on existing ground-water observation wells throughout the county overlain onto a shaded relief base map. A brief text discussion of the results is included.

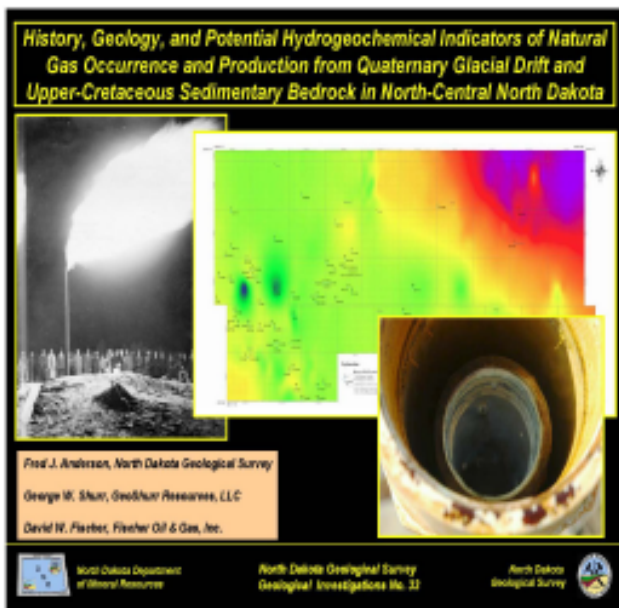
Anderson, F.J., 2006, Field Screening for Shallow Gas in Southeastern Steele County, North Dakota: North Dakota Geological Survey Geologic Investigations No. 30, map. Price \$10.00.



Anderson, F.J. and Juenker, B.J., 2006, Preliminary Structure Contour Map on Top of the Cretaceous Greenhorn Formation in North Dakota: North Dakota Geological Survey Geologic Investigations No. 31, 1:1,000,000 scale map. Price \$10.00.

A preliminary structure contour map drawn on the top of the Cretaceous Greenhorn Formation in North Dakota has been recently published by the Survey. This 1:1,000,000 scale map was created from over 11,900 individual stratigraphic log picks from wells within the state. This map is the first in a series of three preliminary structure contour maps drawn on Cretaceous units.

Anderson, F.J., 2006, Assessment of the Shallow Natural Gas Potential of North Dakota: North Dakota Geological Survey Geologic Investigations No. 32, PowerPoint presentation. Available online.



Anderson, F.J., Shurr, G.W., and Fischer, D.W., 2006, History, Geology, and Potential Hydrogeochemical Indicators of Natural Gas Occurrence and Production from Quaternary Glacial Drift and Upper-Cretaceous Sedimentary Bedrock in North-Central North Dakota: North Dakota Geological Survey Geologic Investigations No. 33, PowerPoint presentation. Available online.

The relationships between historical and contemporary shallow natural gas occurrence and ground-water geochemistry in Bottineau County is discussed in GI-33 which has recently been published by the Survey. This PowerPoint presentation was given at the 2006 Saskatchewan and Northern Plains Oil and Gas Symposium and is available on the NDGS website at: http://www.state.nd.us/ndgs/Publication_List/pdf/GI-33.pdf

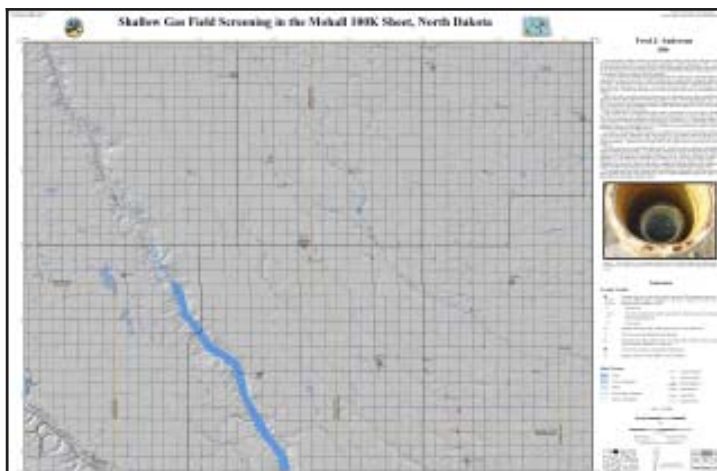
- Anderson, F.J., 2006, Field Screening for Shallow Gas in Stutsman County, North Dakota: North Dakota Geological Survey Geological Investigations No. 34, map. Price \$10.00.
- Anderson, F.J., 2006, Field Screening for Shallow Gas in Rolette County, North Dakota: North Dakota Geological Survey Geological Investigations No. 35, map. Price \$10.00.
- Anderson, F.J., 2006, Field Screening for Shallow Gas in Towner County, North Dakota: North Dakota Geological Survey Geological Investigations No. 36, map. Price \$10.00.
- Anderson, F.J., and Juenker, B.J., 2006, Preliminary Structure Contour Map on Top of the Cretaceous Mowry Formation in North Dakota: North Dakota Geological Survey Geological Investigations No. 37, 1:1,000,000 scale map. Price \$10.00.
- Anderson, F.J., and Juenker, B.J., 2006, Preliminary Structure Contour Map on the Cretaceous Inyan Kara Formation in North Dakota: North Dakota Geological Survey Geological Investigations No. 38, 1:1,000,000 scale map. Price \$10.00.

Reports of Investigations

- Murphy, E.C., 2006, The Lignite Reserves of North Dakota: North Dakota Geological Survey Report of Investigation No. 104, 141 p. Price \$15.00, or \$5.00 Cd.
- Murphy, E.C., Kruger, N.W., Goven, G.E., Vandal, Q.L., Jacobs, K.C., and Gutenkunst, M.L., 2006, The Lignite Resources of North Dakota: North Dakota Geological Survey Report of Investigation No. 105, 31 p. Price \$5.00 CD.

100K Mineral Maps

- Anderson, F.J., 2006, Shallow Gas: Field Screening in the Bottineau 1:100k sheet, North Dakota: North Dakota Geological Survey 100k Btnu - gs, 1:100,000 scale. Price \$5.00. Price \$10.00.



Anderson, F.J., 2006, Shallow Gas: Field Screening in the Mohall 100k sheet: North Dakota Geological Survey 100k Mhll - gs, 1:100,000 scale. Price \$10.00.

The results of recent shallow gas field screening, conducted within the Mohall 1:100k map sheet, has been published by the Survey. This 1:100,000 scale map presents the results of flame-ionization detector field screening analysis on existing ground-water observation wells throughout Bottineau and Renville counties overlain onto a shaded relief base map. This is one of two (the Mohall 100k sheet and the Bottineau 100k sheet) shallow gas field screening maps produced as a 100k sheet. A brief text discussion of the results is included.

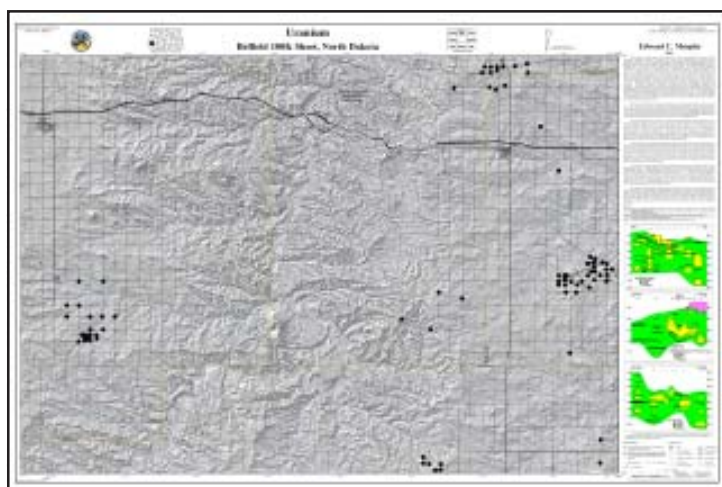
Murphy, E.C., 2006, Lignite Reserves: Garrison 100k sheet: North Dakota Geological Survey 100k Grn - c, 1:100,000 scale. Price \$5.00.

Murphy, E.C., 2006, Lignite Reserves: Parshall 100k sheet: North Dakota Geological Survey 100k Prsh - c, 1:100,000 scale. Price \$5.00.



Murphy, E.C., 2006, Lignite Reserves: Williston 100k sheet: North Dakota Geological Survey 100k Wlst - c, 1:100,000 scale. Price \$5.00.

The Williston 100K coal sheet contains 1.4 billion tons of economically mineable coal deposits. The Williston sheet is one of 11 coal maps that the North Dakota Geological Survey has published in the last few years, ten sheets remain to be published.



Murphy, E.C., 2006, Uranium: Belfield 100k sheet: North Dakota Geological Survey 100k Blfd - u, 1:100,000 scale. Price \$5.00.

The Belfield sheet is one of three uranium maps that were recently published by the Survey. The Bowman sheet was published in 2005 and two additional sheets (Grassy Butte and Killdeer) will be completed by June, 2007, bringing the total number of uranium 100k sheets to six. These six sheets cover the southwestern corner of North Dakota. The narratives include cross sections through areas of interest. Drillholes that contain radioactive spikes on the gamma log are highlighted on the map.

Murphy, E.C., 2006, Uranium: Dickinson 100k sheet: North Dakota Geological Survey 100k Dksn - u, 1:100,000 scale. Price \$5.00.

Murphy, E.C., 2006, Uranium: Mott 100k sheet: North Dakota Geological Survey 100k Mott - u, 1:100,000 scale. Price \$5.00.

Oil and Gas Division Publication

Bohrer, M.F., Helms, L.D., Hicks, B.E., Hvinden, D.C., Juenker, B.J., McCusker, D.J., 2006, State of North Dakota Probable (P2) Oil Reserves Project: North Dakota Oil and Gas Division, p. 10. Price \$10.00.

Outside Publications:

Anderson, F.J., Shurr, G.W, and Fischer, D.W., 2006, History, Geology, and Potential Hydrogeochemical Indicators of Natural Gas Occurrence and Production from Quaternary Glacial Drift and Upper-Cretaceous Sedimentary Bedrock in North-Central North Dakota: Saskatchewan and Northern Plains Oil & Gas Conference, Regina, SK, Saskatchewan Geological Society Special Publication No. 19, pp. 321-323.

Anderson, F.J., 2006, Assessment of the Shallow Natural Gas Resource Potential of North Dakota: 2006 Unconventional Coalgas Conference, Rapid City, SD, October 13, 2006, Abstract.

Hoganson, J. W., 2006, The strange and incredible journey of the Highgate Mastodon: Journal of Vertebrate Paleontology, v. 26, supplement to no. 3, p. 76A-77A.

LeFever, J.A., 2006, Horizontal Drilling in the Williston Basin - Proven and Possible Targets: Colorado Oil & Gas Association - Rocky Mountain Association of Geologists, 2006 Rocky Mountain Natural Gas Conference, Denver, CO, August 7, 2006, Abstract.