
NEW PUBLICATIONS



Mineral Resource Map Series (*Mineral Resource Maps 1-19, 2001*) by Edward C. Murphy.

The North Dakota Geological Survey has created a new map series of print-on-demand mineral maps of North Dakota. The first maps to be completed in this series are the strippable lignite deposits in the State. The strippable deposits were determined using current economic criteria. The paper size was kept at a constant (20 x 30 inches), as a result the scales range from 1:150,000 to 1:200,000. Eventually these maps will be placed on the NDGS website where they can be downloaded for free.

Adams County	Mineral Resource Map 1.	McKenzie County	Mineral Resource Map 11.
Billings County	Mineral Resource Map 2.	McLean County	Mineral Resource Map 12.
Bowman County	Mineral Resource Map 3.	Mercer County	Mineral Resource Map 13.
Burke County	Mineral Resource Map 4.	Morton County	Mineral Resource Map 14.
Burleigh County	Mineral Resource Map 5.	Mountrail County	Mineral Resource Map 15.
Divide County	Mineral Resource Map 6.	Oliver County	Mineral Resource Map 16.
Dunn County	Mineral Resource Map 7.	Slope County	Mineral Resource Map 17.
Grant County	Mineral Resource Map 8.	Ward County	Mineral Resource Map 18.
Golden Valley County	Mineral Resource Map 9.	Williams County	Mineral Resource Map 19.
Hettinger County	Mineral Resource Map 10.		

Mineral Resource Maps are available from the North Dakota Geological Survey for \$5.00 per map.

Strippable Lignite Deposits of North Dakota (*Miscellaneous Map 34, 2001*) by Edward C. Murphy

The extent of the strippable lignite deposits were recently determined for western North Dakota. This 23 x 35 inch poster contains a 1:1,000,000-scale composite map of strippable lignite deposits derived from county maps recently completed under the NDGS *Mineral Map Series*. Text on the poster covers the State's general mining history, the major coals, and a discussion on the economic criteria used to determine the extent of these deposits. The text includes several mining-related photographs, a generalized stratigraphic column of the major lignites, a graph of historic lignite production in North Dakota, and a table of strippable lignite tonnages for each county.

Miscellaneous Map 34 is available from the North Dakota Geological Survey for \$3.00.

The Harmon Lignite Bed in western North Dakota (*Miscellaneous Map 35*) by Edward C. Murphy, Ned W. Kruger, Quentin L. Vandal, Gerard E. Goven, and Elizabeth A. Tudor.

The Harmon lignite is thought to be one of the best candidates for coal-bed methane exploration in the North Dakota portion of the Williston Basin. For that reason, a 1:750,000-scale map was constructed that combines an isopach (the bed thickness) and a contour elevation at the top of the Harmon. The map covers a 10-county area in western North Dakota, the known extent of the Harmon bed. The 17.5 x 23 inch sheet also contains two generalized cross-sections across the area.

Miscellaneous Map 35 is available from the North Dakota Geological Survey for \$3.00.

Outside Publications

Hubbard, D.K., Gill, I.P., and Burke, R.B., 2001. The Role of Framework in Modern Reefs and Its Application to Ancient Systems, in G.D. Stanley, Jr. (editor), *The History and Sedimentology of Ancient Reef Systems*, Kluwer Academic/Plenum Publishers, New York, pp. 351-386.