Structure on Top of the Mt. Simon Sandstone in the Illinois Basin

Midwest Geological Sequestration Consortium
December, 2005

Midwest Geological Sequestration Consortium
U.S. Department of Energy
Regional Carbon Sequestration Partnership

Illinois

Indiana

Kentucky

N

Scale 1 : 1,000,000

Miles 0 40

Kilometers 0 40

Universal Transverse Mercator projection,
Zone 16, 1983 North American Datum

Elevation (msl) in feet

- Shallower than -2,000
- -2,000 to -4,000
- -4,000 to -6,000
- -6,000 to -8,000
- -8,000 to -10,000
- -10,000 to -12,000
- -12,000 to -14,000
- Deeper than -14,000
- Elevation data points

Base

- Illinois Basin outline

Data Source:
(MGSC) State Geological Surveys of Illinois, Indiana, and Kentucky. Structure of the Mt. Simon is based on conformable mapping from the Galena (Trenton) structure.

For additional information contact the MGSC to obtain metadata and the final report to the U.S. Department of Energy, An Assessment of Geologic Sequestration Options in the Illinois Basin, December, 2005.

This map illustrates a regional conceptual model of the geology of the area on which to base further work, and is not intended for use in site-specific screening or decision-making. Use of this document does not eliminate the need for detailed studies to fully understand the geology of a specific site. The Illinois State Geological Survey, the Indiana Geological Survey, the Kentucky Geological Survey and parent agencies, states, or funding agencies make no guarantee, expressed or implied, regarding the correctness of the interpretations presented in this map and accept no liability for the consequences of decisions made by others on the basis of the information presented here.

The digital files used for this study were compiled from data obtained from a variety of public and private sources and have varying degrees of completeness and accuracy. Detailed information for each state has been classified and summarized for display as areas of average data values. The maps are designed for regional assessment and have a resolution of 1:500,000.

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