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Net Coal Thickness RANDOLPH County

County Coal Map Series

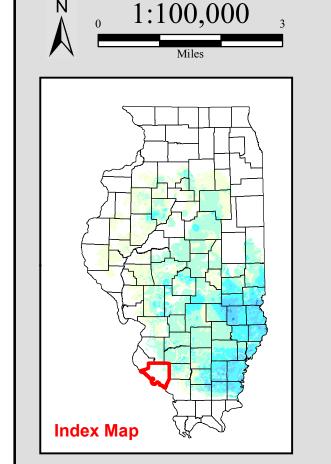
Andrew Louchios, Scott Elrick, Chris Korose, David Morse Map construction: November 04, 2009

This product is under review and may not meet the

standards of the Illinois State Geological Survey.

County coal maps and select quadrangle maps available as downloadable PDF files at: http://www.isgs.illinois.edu/maps-data-pub/coal-maps/county-index.shtml

2S 8W 2S 7W 2Ŝ-4W WASHINGTON 3S 8W 3S 4W MONROE 4S-10W 4S 9W 4S 8W PERRY 5S/10W 5S 4W RANDOLPH 6S, 9W 6\$ 8,W Grove 68.7W 6S 6W 6S 4W 7S 7W 7S 6W 788W 7S 5W 7<u>S</u> 4W 8S 4W 9S%4W



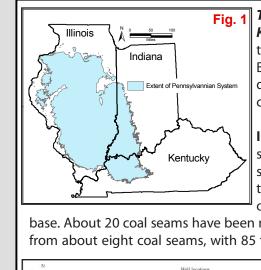
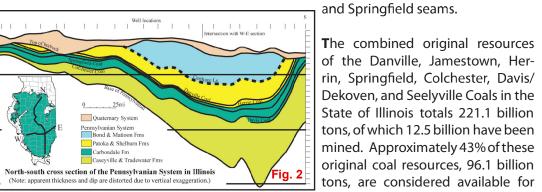
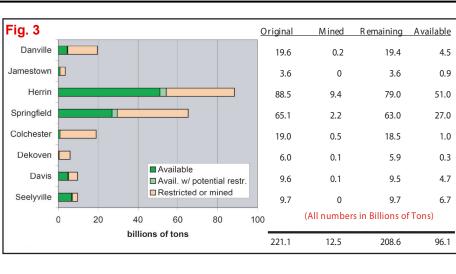


Fig. 1 The coalfields of Illinois, Indiana, and western **Kentucky** constitute the Eastern Region of the Interior Coal Province, known better as the Illinois that the surface Basin. About 36,800 square miles in Illinois are un- land-use and geo- Jamestown derlain by the coal-bearing sequence of rocks that logic conditions constitute the Pennsylvanian System. (See Fig 1.) related to mining

Illinois has the largest reported bituminous coal re- thickness, depth, sources and the largest strippable bituminous coal re- in-place tonnage, sources of any state in the United States. Illinois has the stability of bedthird largest total coal resources of any state and is sec-I ond only to Montana in terms of demonstrated reserve are comparable base. About 20 coal seams have been mined in Illinois. Most production, however, has come to other coals from about eight coal seams, with 85 to 90% of the total production being from the Herrin currently being



mining (See Fig 3.)
. Available means of the deposit (e.g. rock overburden)



The combined original resources Coal has been mined in Illinois for 200 years. The thickest cumulative resources of coals of the Danville, Jamestown, Her- in Illinois are found in the southeastern part of the state along the Galatia Channel and rin, Springfield, Colchester, Davis/ near the deepest areas of the Illinois Basin in and around Jasper County. (See Index Map)

References:
- Handbook of Illinois Stratigraphy, 1975, Illinois State Geological Survey Bulletin 95, 261p.
- Jacobson, R.J, and C Korose, 2003, Coal Geology of Illinois, in 2003 Keystone Coal Industry Manua
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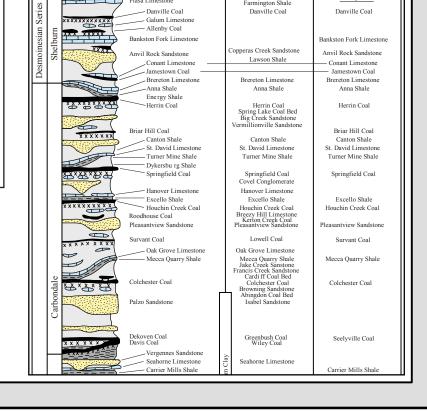
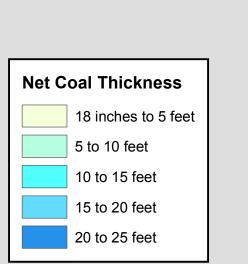


Fig. 4 Pennsylvanian Stratigraphic Column

Members and Beds

Northern and Western Eastern and Southern Members and Beds Members and Beds



## **Map Explanation**

The maps and digital files of this study were compiled from data from a variety of public and private sources and have varying degrees of completeness and accuracy. They present interpretations of the geology of the area and are based on available data. However, these interpretations are based on data that may vary with respect to accuracy of geographic location, type, quantity, and reliability, as they were supplied to the Illinois State Geological Survey. Consequently, the accuracy of the interpreted features shown in these files is subject to the limitations of the data and varies from place to place.

Contoured features less than 7 million square feet (about 1/2 mile square) in area may not be accurately portrayed or resolved. This data set provides a large-scale conceptual model of the geology of the area on which to base further work. These data are not intended for use in site-specific screening or decision-making.

## **Disclaimer**

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