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Net Coal Thickness CHRISTIAN County

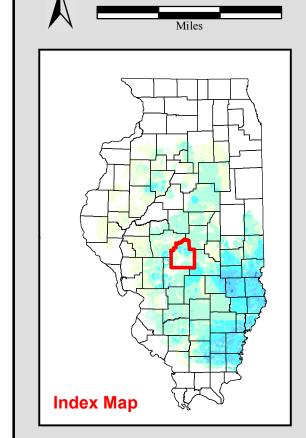
County Coal Map Series Andrew Louchios, Scott Elrick, Chris Korose, David Morse

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

LOGAN 17N<sup>1</sup>2E 17N 1E 17N 2W 17N 1W Niantic Illiopolis 16N 3E 16N 3W 16N 2W 16N 1W MACON 15N 2E 15N 3E 15N 1E 15N 4W 15N 1W 14N 2W 14N 1E 14N 4W 14N 1W \_14N 3W<sub>0</sub> Edinburg 14N 2E 14N 3E CHRISTIAN 13N 4W 13N 2W 13N 1W 13N 1E \_1<u>3N</u>|3W| 13N 2E 13N 3E Assumption [[... 12N 2W 12N 3W 12N 3E 12N 1E 12N 2<u>E</u> 11N **4**W 11N 2W 11N 3E 11N 3W 11N 1W 11N 5W Lakewood 10N 3E 10N 1W 10N 2W 10N 3W MONTGOMERY Oconee



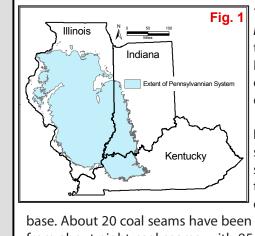
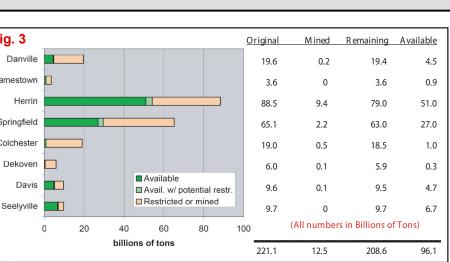


Fig. 1 The coalfields of Illinois, Indiana, and western Kentucky constitute the Eastern Region of the Interior Coal Province, known better as the Illinois that the surface Basin. About 36,800 square miles in Illinois are un- land-use and geo- Jamestown derlain by the coal-bearing sequence of rocks that 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 second 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

and Springfield seams. Dekoven, and Seelyville Coals in the State of Illinois totals 221.1 billion tons, of which 12.5 billion have been **References:** mined. Approximately 43% of these original coal resources, 96.1 billion orth-south cross section of the Pennsylvanian System in Illinois tons, are considered available for

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)

> - 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 Manual, Coal Age, PRIMEDIA Business Magazines and Media, Chi cago, IL, pp. 503 -514.

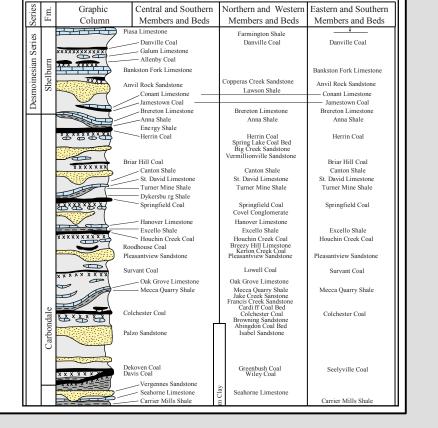
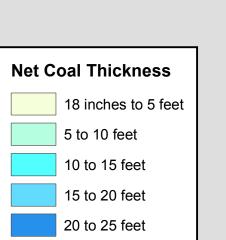


Fig. 4 Pennsylvanian Stratigraphic Column



**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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