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## Net Coal Thickness **JASPER** 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

10N≥12 10N 10E 10N 8E 10N 7E 10N 6E CUMBERLAND SHELBY 9N 14W 9N 10E 9N 7E Hazel Dell EFFINGHAM Hidalgo \_\_8N\_9E 22 7N 12W 7N 8E 7N 14W 77N 7E 7N 9E JASPER 7N 10E 21 7N\_6E2 6N 14W 6N 10E 19-5N 8E5 5N 14W 5N 6E Chauncey 4N 12₹ 4N 14W 4N 6E **4N** 4N 8E Springs RICHLAND Bridgeport 3N 6E 3N 10E 3N-7E 45 Fig. 4 Pennsylvanian Stratigraphic Column

Index Map

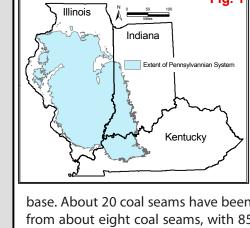


Fig. 1 The coalfields of Illinois, Indiana, and western mining (See Fig 3.)

Kentucky constitute the Eastern Region of the In
. Available means terior 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 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

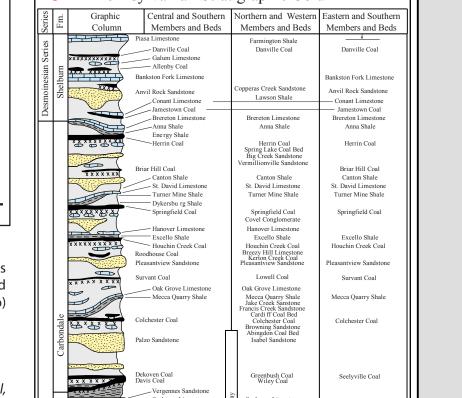
and Springfield seams. Dekoven, and Seelyville Coals in the State of Illinois totals 221.1 billion tons, of which 12.5 billion have been **References:** mined. Approximately 43% of these original coal resources, 96.1 billion North-south cross section of the Pennsylvanian System in Illinois tons, are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

of the deposit (e.g. rock overburden)

Original Mined Remaining Available ■ Avail. w/ potential restr. 40 60 12.5 208.6

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.



**Net Coal Thickness** 18 inches to 5 feet 5 to 10 feet 10 to 15 feet 15 to 20 feet 20 to 25 feet

## **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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