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Net Coal Thickness MACOUPIN 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

SCOTT SANGAMON 13N 4W 13N 8W 13N 11W 13N 9W 13N 10W 12N 9W 12N #W 12N 7W 12N 11W 12N 10W 12N 8W 11N 9W-_11N_7W 11N 5W 11N #W 11N 10W 11N 8W 11N 6W Waggoner GREENE 10N 9W 10N 4W 10N 8W 10N 5W MACOUPIN 9¹N 10W 9N-6W 9N 8W **Fidelity** MONTGOMERY 8N 10W Royal Lakes 7N 8W 7N 5W 2N4W7N 9W 6N 4W Fig. 1 The coalfields of Illinois, Indiana, and western Kentucky constitute the Eastern Region of the In
No. 1 The coalfields of Illinois, Indiana, and western mining (See Fig 3.)

No. 2 The coalfields of Illinois, Indiana, and western mining (See Fig 3.)

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North-south cross section of the Pennsylvanian System in Illinois

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

base. About 20 coal seams have been mined in Illinois. Most production, however, has come to other coals

original coal resources, 96.1 billion

tons, are considered available for

derlain by the coal-bearing sequence of rocks that logic conditions constitute the Pennsylvanian System. (See Fig 1.) related to mining of the deposit (e.g. 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 secrock overburden) ond only to Montana in terms of demonstrated reserve are

40 60 80 12.5

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.

pperas Creek Sandsto Lawson Shale Survant Coal Greenbush Coal Wiley Coal

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

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

The Illinois State Geological Survey and the University of Illinois make no guarantee, expressed or implied, regarding the correctness of the interpretations presented in this data set and accept no liability for the consequences of decisions made by others on the basis of the information presented here.

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