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Net Coal Thickness WAYNE County

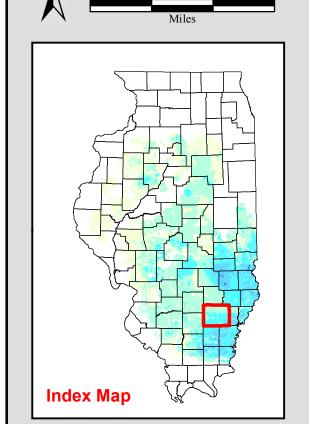
County Coal Map Series Andrew Louchios, Scott Elrick, Chris Korose, David Morse

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

4N 8E Springs **45**}— 50 3N 5E 3N 6E 3N 4E 3N 10E 3N-7E 3N 9E -3N-8F RICHLAND Calhoun MARION <u>2N</u> 2N 4E 2N 10E 2N 8E 1N 4E N 6E Cisne 1N 7E 1N 10E 1N 8E Mount 1N 9E 1\$ 5E 1\$ 7E WAYNE ___ JEFFERSON 45 Eairfield 9 Golden 1 Gate₋ ∠ 2S 10E 2S 9E Barnhill 3S 4E Prairie City 4S 8E 4S 7E 4S 4E HAMILTON FRANKLIN Fig. 4 Pennsylvanian Stratigraphic Column



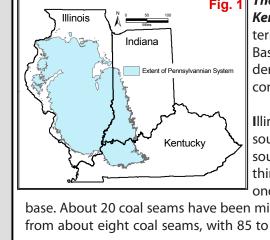
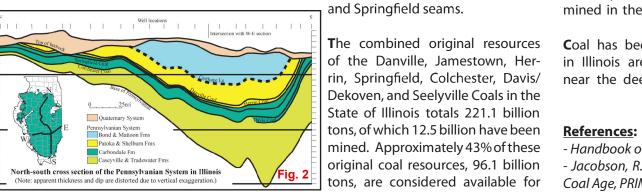


Fig. 1 The coalfields of Illinois, Indiana, and western mining (See Fig 3.)

Kentucky constitute the Eastern Region of the In
Available means

Fig. 3 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 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



of the deposit (e.g. rock overburden)

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

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au	ΙE	XXX XXXXX	Allenby Coal		
Desmoinesian Se	Shelburn		Bankston Fork Limestone		Bankston Fork Limestone
II ·Ĕ	Pe	XXXX	Anvil Rock Sandstone	Copperas Creek Sandstone	Anvil Rock Sandstone
ΠĔ	N	~ ~	Conant Limestone —	Lawson Shale	Conant Limestone
es	l		- Jamestown Coal		Jamestown Coal
	l		Brereton Limestone	Brereton Limestone	Brereton Limestone
	-		-Anna Shale	Anna Shale	Anna Shale
Ш	l		Energy Shale		
Ш	l	**************************************	Herrin Coal	Herrin Coal	Herrin Coal
	l			Spring Lake Coal Bed	
Ш	l		,	Big Creek Sandstone Vermillionville Sandstone	
Ш	l		Briar Hill Coal	veriminonvine sandstone	Briar Hill Coal
II	I	XXXXXXX	Canton Shale	Canton Shale	Canton Shale
II	1		St. David Limestone	St. David Limestone	St. David Limestone
II	I		Turner Mine Shale	Turner Mine Shale	Turner Mine Shale
	l		Dykersbu rg Shale		
Ш	l	XXXXXXXX	Springfield Coal	Springfield Coal	Springfield Coal
	l			Covel Conglomerate	
Ш	l		Hanover Limestone	Hanover Limestone	
Ш	l		Excello Shale	Excello Shale	Excello Shale
	l	XXXXXXXXXX	Houchin Creek Coal	Houchin Creek Coal	Houchin Creek Coal
	l		Roodhouse Coal	Breezy Hill Limestone Kerton Creek Coal	
ll			Pleasantview Sandstone	Kerton Creek Coal Pleasantview Sandstone	Pleasantview Sandstone
		X X X X X X X X X	Survant Coal	Lowell Coal	Survant Coal
	l	^^_	Oak Grove Limestone	Oak Grove Limestone	
	l		Mecca Quarry Shale	Mecca Quarry Shale Jake Creek Sanstone	Mecca Quarry Shale
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II		======	Seahorne Limestone	Seahorne Limestone	
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Щ			Carrier Mills Shale	8	Carrier Mills Shale

Central and Southern Members and Beds Members and Beds Eastern and Southern Members and Beds

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

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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