Illinois State Geological Survey 615 East Peabody Drive Champaign, Illinois 61820-6964

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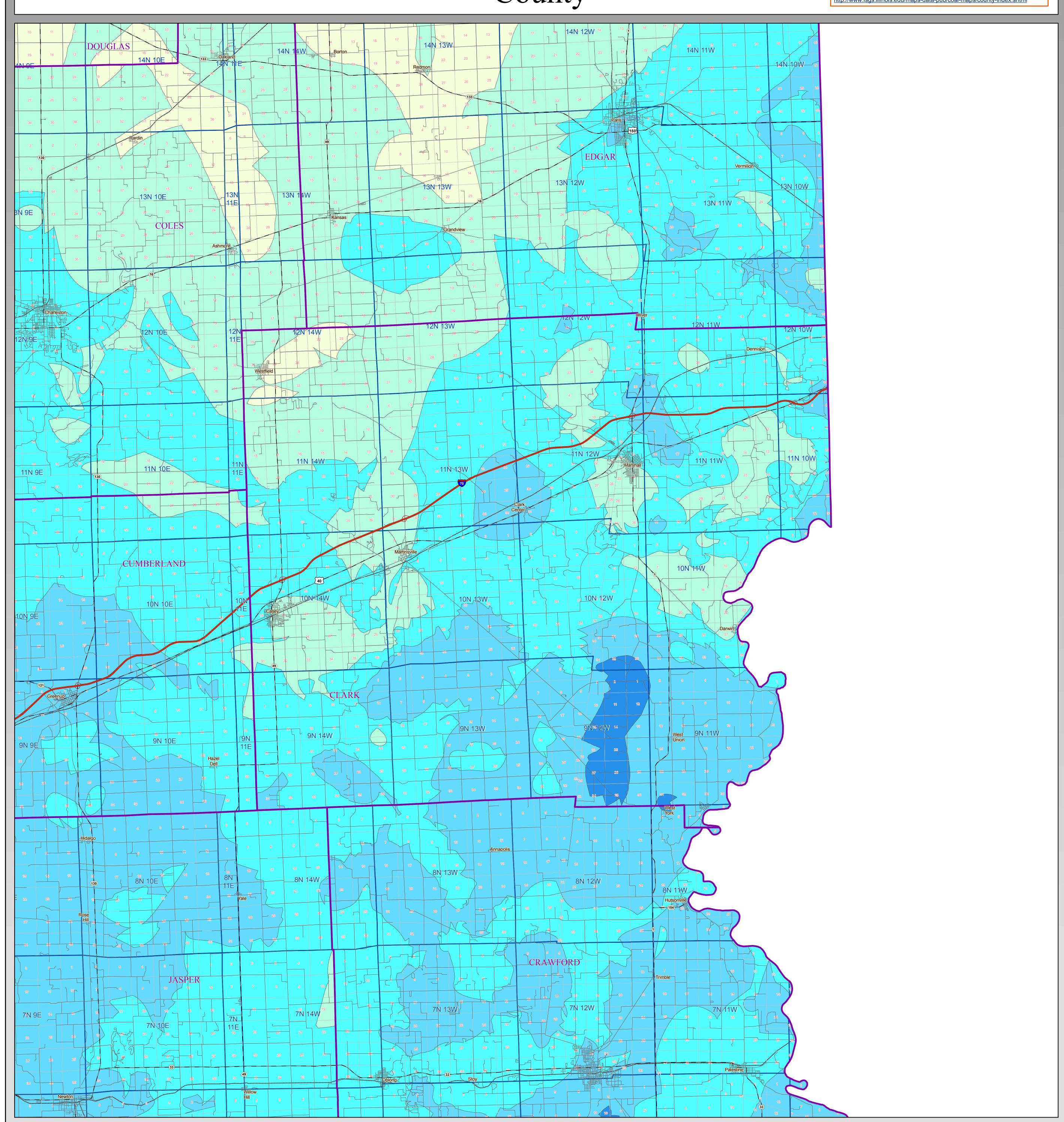
## Net Coal Thickness CLARK County

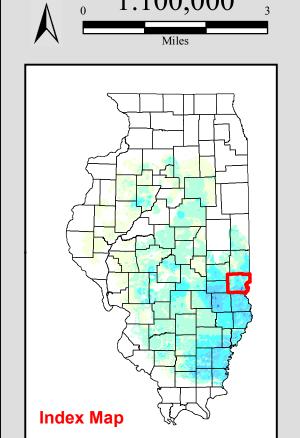
County Coal Map Series Andrew Louchios, Scott Elrick, Chris Korose, David Morse

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





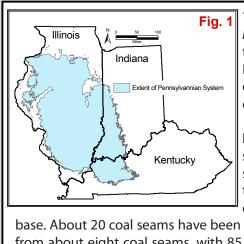


Fig. 1 The coalfields of Illinois, Indiana, and western Kentucky constitute the Eastern Region of the In
No. 1 The coalfields of Illinois, Indiana, and western mining (See Fig 3.)

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

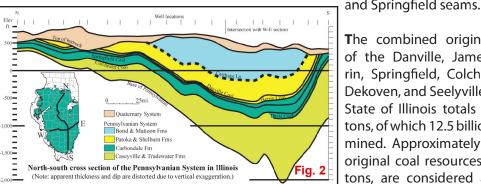
No. 2 The coalfields of Illinois, Indiana, and western mining (See Fig 3.)

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No. 2 The coalfields of Illinois, Indiana, and western mining (See 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 sec-rock overburden) 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



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 tons, are considered available for

Original Mined Remaining Available of the deposit (e.g. 40 60 80 12.5 208.6 96.1

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.

Fm.	Graphic	Central and Southern	Northern and Western	Eastern and Southern
ΙΉ	Column	Members and Beds	Members and Beds	Members and Beds
Sinc		Piasa Limestone	Farmington Shale	
	(	Danville Coal	Danville Coal	Danville Coal
1	XXXXXXXXXXX	Galum Limestone		
Shelburn		Allenby Coal		
		Bankston Fork Limestone		Bankston Fork Limestone
	XXXX	Anvil Rock Sandstone	Copperas Creek Sandstone	Anvil Rock Sandstone
	$\sim$	Conant Limestone	Lawson Shale	— Conant Limestone
		Jamestown Coal		Jamestown Coal
		Brereton Limestone	Brereton Limestone	Brereton Limestone
		Anna Shale	Anna Shale	Anna Shale
		Ene rgy Shale		
	**************************************	Herrin Coal	Herrin Coal Spring Lake Coal Bed Big Creek Sandstone Vermillionville Sandstone	Herrin Coal
1		Briar Hill Coal	veriminonvine Sandstone	Briar Hill Coal
1	XXXXXXX	Canton Shale	Canton Shale	Canton Shale
1	7	St. David Limestone	St. David Limestone	St. David Limestone
		Turner Mine Shale	Turner Mine Shale	Turner Mine Shale
		Dykersbu rg Shale		
	Ex. 87. 87. 91	Springfield Coal	Springfield Coal Covel Conglomerate	Springfield Coal
		— Hanover Limestone	Hanover Limestone	
	xxxxxxxxxx	Excello Shale	Excello Shale	Excello Shale
	^^^^^	Houchin Creek Coal Roodhouse Coal	Houchin Creek Coal Breezy Hill Limestone	Houchin Creek Coal
		Pleasantview Sandstone	Kerton Creek Coal Pleasantview Sandstone	Pleasantview Sandstone
	××××××××××××××××××××××××××××××××××××××	Survant Coal	Lowell Coal	Survant Coal
	^^	Oak Grove Limestone	Oak Grove Limestone	
		Mecca Quarry Shale	Mecca Quarry Shale Jake Creek Sanstone Francis Creek Sandstone	Mecca Quarry Shale
arbondale	888	Colchester Coal	Cardi ff Coal Bed Colchester Coal Browning Sandstone Abingdon Coal Bed	Colchester Coal
ع [		Palzo Sandstone	Isabel Sandstone	

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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