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

http://www.isgs.illinois.edu

(217) 333-4747

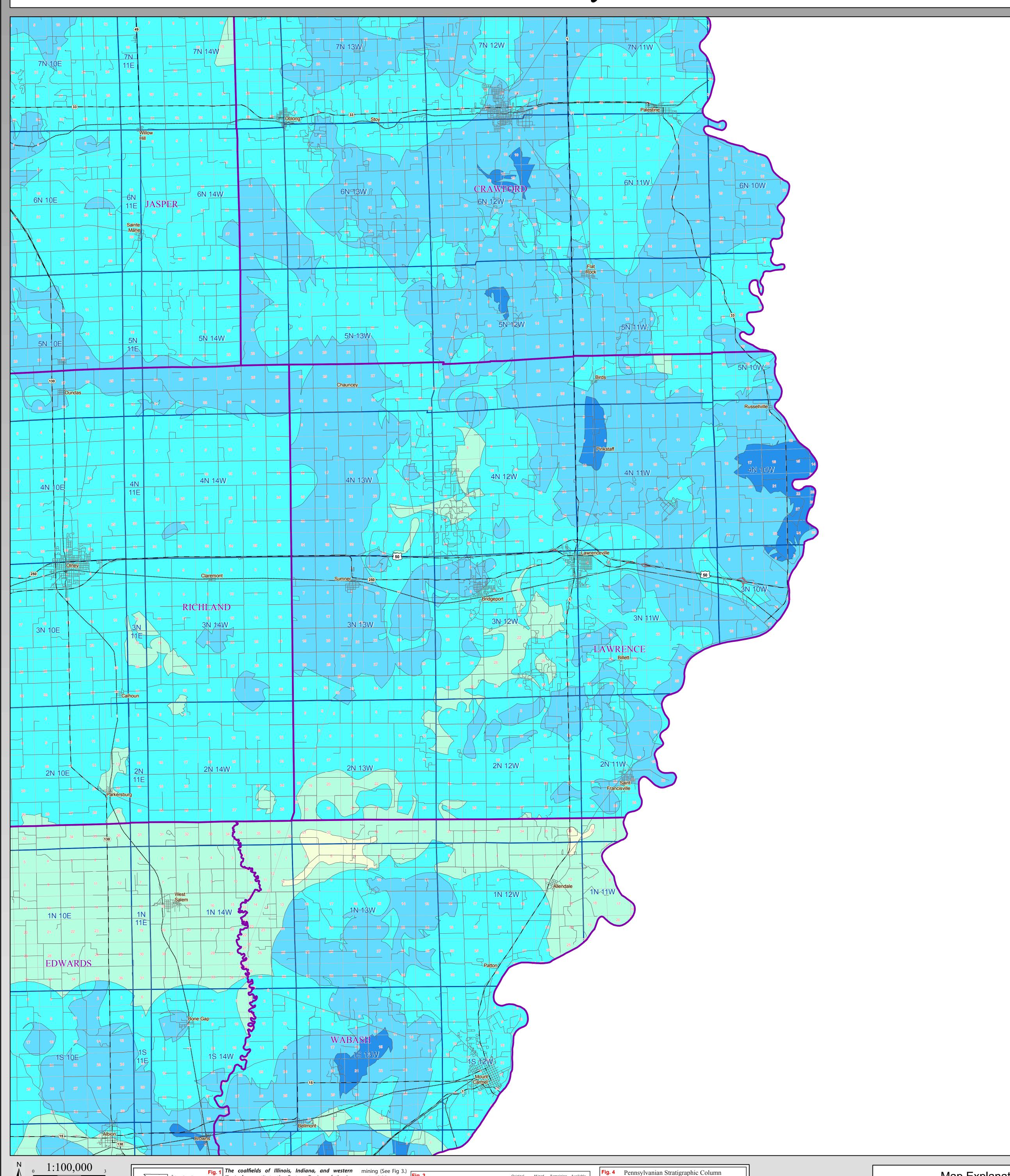
Net Coal Thickness LAWRENCE County

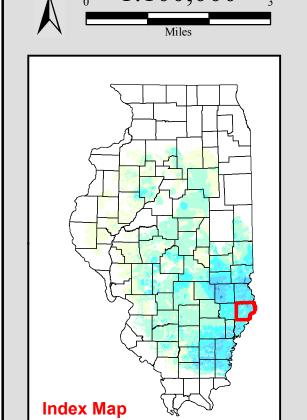
County Coal Map Series Andrew Louchios, Scott Elrick, Chris Korose, David Morse

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





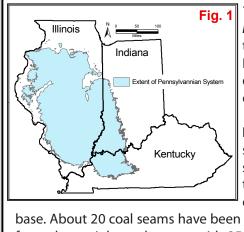


Fig. 1 The coalfields of Illinois, Indiana, and western Kentucky constitute the Eastern Region of the In
No. 1 The coalfields of Illinois, Indiana, and western mining (See Fig 3.)

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

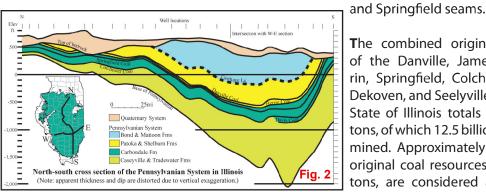
No. 2 The coalfields of Illinois, Indiana, and western mining (See Fig 3.)

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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 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



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

of the deposit (e.g.

Original Mined Remaining Available 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.

ië	Fm.	Graphic	Central and Southern	Northern and Western	Eastern and Southern
Series		Column	Members and Beds	Members and Beds	Members and Beds
s			Piasa Limestone	Farmington Shale	
<u>ا</u> و			Danville Coal	Danville Coal	Danville Coal
Š		××××××××××××××××××××××××××××××××××××××	Galum Limestone		
Ξ.	д	_ 00	—— Allenby Coal		
Desmonnesian Series	Shelburn	*****	Bankston Fork Limestone		Bankston Fork Limestone
ğΙ	hel	XXXX	Anvil Rock Sandstone	Copperas Creek Sandstone	Anvil Rock Sandstone
ĔΙ	S	\sim	Conant Limestone	Lawson Shale	Conant Limestone
$\frac{8}{2}$			Jamestown Coal -	1	Jamestown Coal
۱ ۲			Brereton Limestone	Brereton Limestone	Brereton Limestone
П			Anna Shale	Anna Shale	Anna Shale
		100	Energy Shale		
		********	Herrin Coal	Herrin Coal Spring Lake Coal Bed Big Creek Sandstone Vermillionville Sandstone	Herrin Coal
			Briar Hill Coal	vermillionville Sandstone	Briar Hill Coal
		XXXXXXX	- Canton Shale	Canton Shale	Canton Shale
			St. David Limestone	St. David Limestone	St. David Limestone
			Turner Mine Shale	Turner Mine Shale	Turner Mine Shale
			Dykersbu rg Shale		
		BXRXRY J	Springfield Coal	Springfield Coal Covel Conglomerate	Springfield Coal
			— Hanover Limestone	Hanover Limestone	
			Excello Shale	Excello Shale	Excello Shale
		XXXXXXXXXXX	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
	dale	# # # # # # # # # # # # # # # # # # #	Colchester Coal	Cardi ff Coal Bed Colchester Coal Browning Sandstone	Colchester Coal
	Carbondale		Palzo Sandstone	Abingdon Coal Bed Isabel Sandstone	
	Ü	XXXXXX	Dekoven Coal Davis Coal	Greenbush Coal	Seelyville Coal
			Vergennes Sandstone	Wiley Coal	
- 1		<u>_^-^^</u> _====/	Vergennes Sandstone Seahorne Limestone	Seahorne Limestone	
- 1			Carrier Mills Shale	Seanorne Liniestone	Carrier Mills Shale

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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