(217) 333-4747

http://www.isgs.illinois.edu

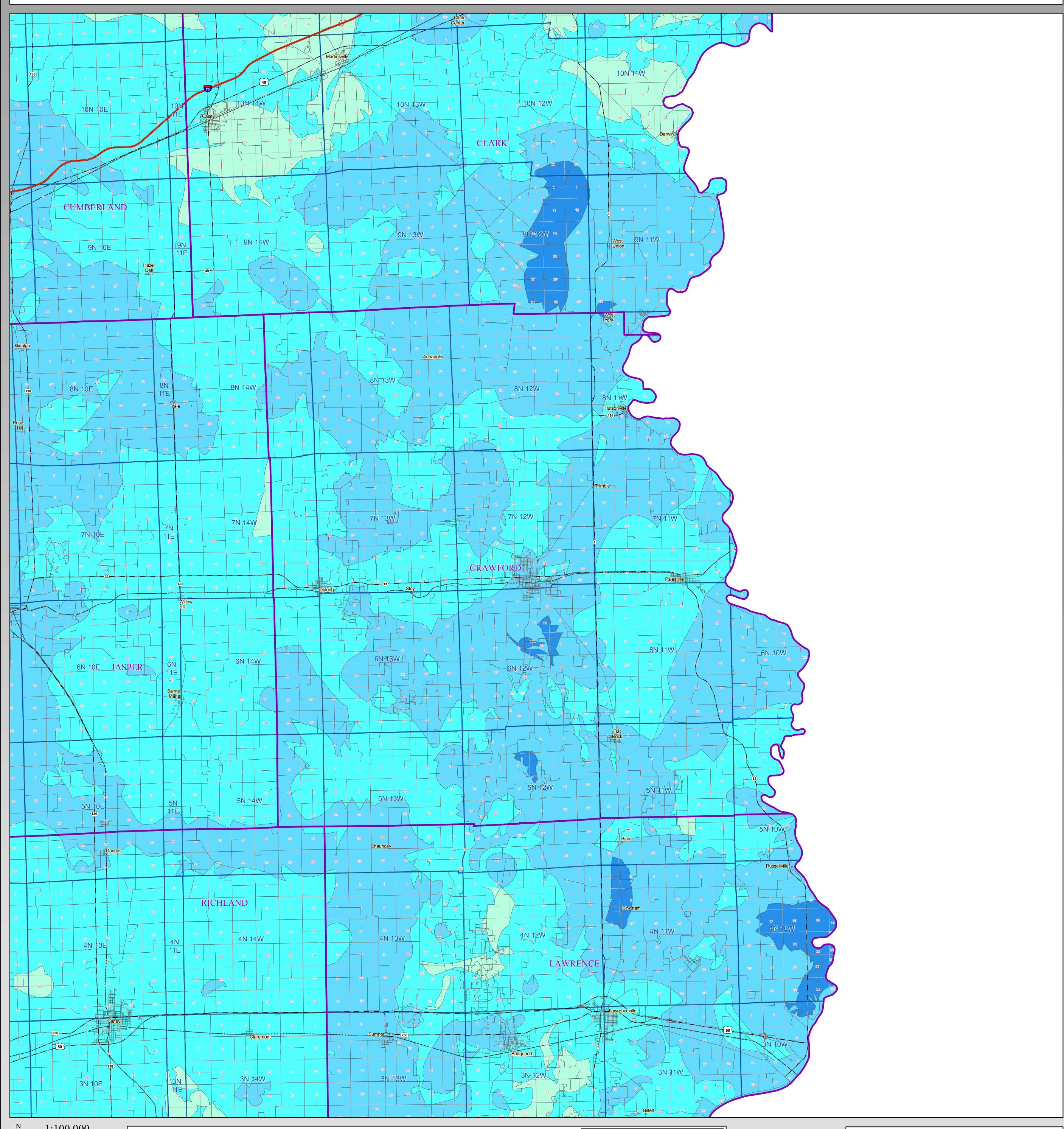
Net Coal Thickness CRAWFORD County

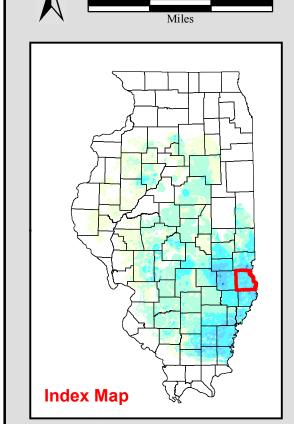
County Coal Map Series Andrew Louchios, Scott Elrick, Chris Korose, David Morse

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





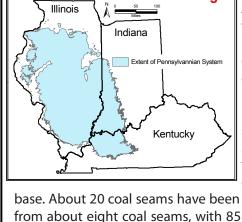


Fig. 1 The coalfields of Illinois, Indiana, and western Kentucky constitute the Eastern Region of the In
No. 1 The coalfields of Illinois, Indiana, and western mining (See Fig 3.)

No. 2 The coalfields of Illinois, Indiana, and western in the coalfields of Illinois, Indiana, and Illinois, Illi 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

	i and Springheid Seams.
Well locations S	and spinightia scams.
Intersection with W-E section	
Top of bothook	T he combined original resources
Springhed Cost	of the Danville, Jamestown, Her-
Carthage Ls	rin, Springfield, Colchester, Davis/
Mass of The Control Co	Dekoven, and Seelyville Coals in the
Quaternary System	State of Illinois totals 221.1 billion
E Pennsylvanian System Bond & Mattoon Fms	tons, of which 12.5 billion have been
Patoka & Shelburn Fms	mined. Approximately 43% of these
Carbondale Fm Casevville & Tradewater Fms	
¥ ~3	original coal resources, 96.1 billion
	tons are considered available for
(Note: apparent thickness and dip are distorted due to vertical exaggeration.)	i tons are considered available for

Coals in the

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

resources Coal has been mined in Illinois for 200 years. The thickest cumulative resources of coals in Illinois are found in the southeastern part of the state along the Galatia Channel and ster, Davis/ near the deepest areas of the Illinois Basin in and around Jasper County. (See Index Map)

E	State of Illinois totals 221.1 billion	
	tons, of which 12.5 billion have been	References:
E	mined. Approximately 43% of these	- Handbook of Illinois Stratigraphy, 1975, Illinois State Geological Survey Bulletin 95, 261p.
Ē	original coal resources, 96.1 billion	- Jacobson, R.J, and C Korose, 2003, Coal Geology of Illinois, in 2003 Keystone Coal Industry Manual
<u>-</u> E	tons, are considered available for	Coal Age, PRIMEDIA Business Magazines and Media, Chi cago, IL, pp. 503 -514.

표	ΙΞ.		Allenby Coal			
Desmoinesian	Shelburn	*******	Bankston Fork Limestone			Bankston Fork Limestone
ii	hel	XXXX	Anvil Rock Sandstone		Copperas Creek Sandstone	Anvil Rock Sandstone
Ĭ	∞	\sim	Conant Limestone —		Lawson Shale	Conant Limestone
es	l		Jamestown Coal			Jamestown Coal
	l		-Brereton Limestone		Brereton Limestone	Brereton Limestone
	\vdash		-Anna Shale		Anna Shale	Anna Shale
	l		Energy Shale		Time Share	Tanka Share
		***************************************	Herrin Coal		Herrin Coal Spring Lake Coal Bed Big Creek Sandstone Vermillionville Sandstone	Herrin Coal
	l	XXXXXXX	Briar Hill Coal			Briar Hill Coal
i	l	* * * * * * *	Canton Shale		Canton Shale	Canton Shale
l	l		St. David Limestone		St. David Limestone	St. David Limestone
	l		Turner Mine Shale		Turner Mine Shale	Turner Mine Shale
	l		Dykersbu rg Shale			
		RXRXRY	Springfield Coal		Springfield Coal Covel Conglomerate	Springfield Coal
	l		— Hanover Limestone		Hanover Limestone	
	l		Excello Shale		Excello Shale	Excello Shale
		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Houchin Creek Coal Roodhouse Coal		Houchin Creek Coal Breezy Hill Limestone	Houchin Creek Coal
			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	
			Mecca Quarry Shale		Mecca Quarry Shale Jake Creek Sanstone Francis Creek Sandstone	Mecca Quarry Shale
	arbondale	B.R.B.	Colchester Coal		Cardi ff Coal Bed Colchester Coal Browning Sandstone	Colchester Coal
	Carboi		Palzo Sandstone		Abingdon Coal Bed Isabel Sandstone	
			Dekoven Coal		Greenbush Coal	
l	l	XXXXXX	Davis Coal		Wiley Coal	Seelyville Coal
	\vdash	A-XAA-A-X-A-X-A-X-A-X-A-X-A-X-A-X-A-X-A	Vergennes Sandstone Seahorne Limestone	Clay	1	
l	l		Carrier Mills Shale	Ö	Seanorne Limestone	Carrier Mills Shale
	<u> </u>		Carrier Willis Shale	Ε	I	Carrier wills Shale

Fig. 4 Pennsylvanian Stratigraphic Column

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. Data included in this map are suitable for use at a scale of 1:100,000.

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. © 2009 Board of Trustees of the University of Illinois. All rights reserved.