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## Danville Coal Elevation WABASH County

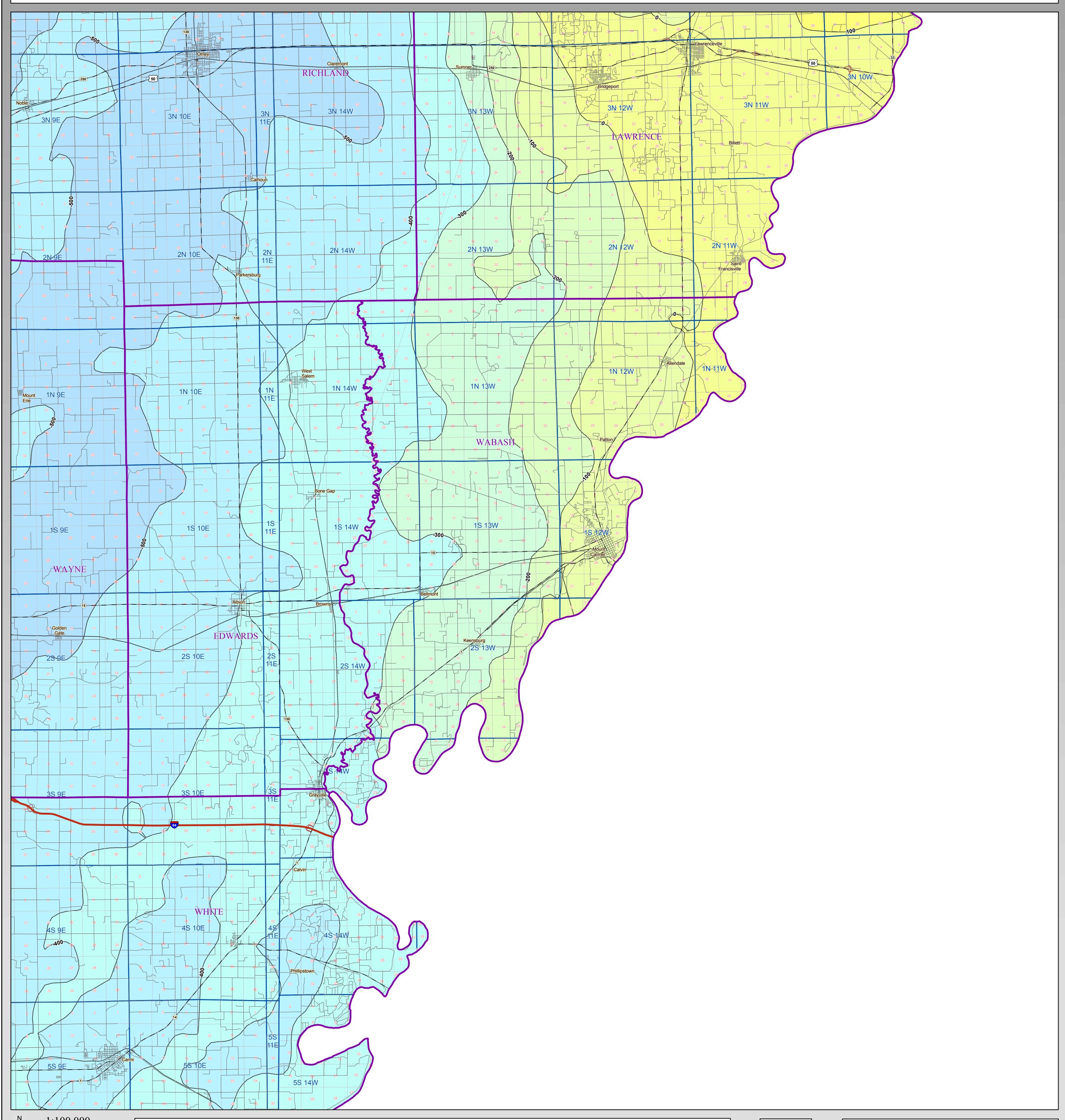
County Coal Map Series Andrew Louchios, Scott Elrick,

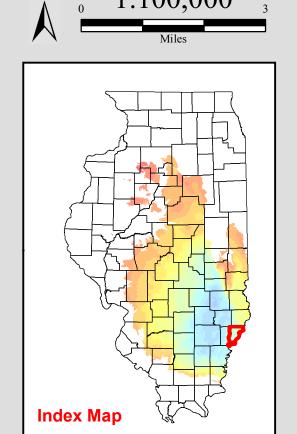
Map construction: November 03, 2009

Chris Korose, David Morse

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





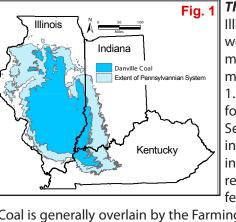
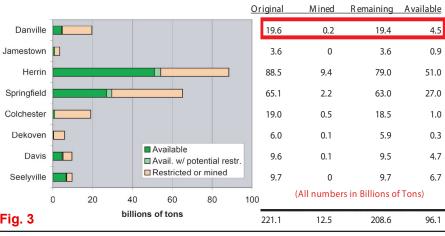


Fig. 1 The Danville Coal underlies about two thirds of Illinois as well as portions of western Indiana and western Kentucky. The coal crops out along the margins of the Illinois Basin and reaches a maximum depth in Illinois of about 1,200 feet. (See Fig 1. and Fig 2.) The Danville Coal is in the Shelburn formation which is part of the Desmoninesian Series. The Danville Coal has been mined in Livingston, McLean, La Salle, and Marshall Counties in addition to Vermilion County. In most of the remainder of the state it is a thin coal, generally a few inches to less than 3 feet thick. The Danville

Coal is generally overlain by the Farmington Shale Member of the Shelburn Formation, but in places the immediate roof is 1-2 feet of black fissile shale. It is underlain by a

kins, 1968 - B95). (See Fig 4.) The original resource of Dan-



relatively thick underclay. At mined. Approximately 23% of the original Danville Coal resources, 4.5 billion has the type locality in Vermillion tons, are considered available for mining. (See Fig 3.) Available means that to be county, the Danville Coal is 6 the surface land-use and geologic conditions related to mining of the deposit poor feet thick and occurs 20 feet (e.g. thickness, depth, in-place tonnage, stability of bedrock overburden) are tify re above the Herrin Coal. (Hop- comparable to other coals currently being mined in the state. Of these re- simple occur in thicknesses greater than 66 inches.

ville Coal in the State of Illi- **T**he Danville Coal has been mined in Illinois for over 100 years, but only about nois totals 19.6 billion tons, 1% of the original resource has been depleted. The most extensive area of ity of the Danville, Jamestown, Dekoven, Davis, and Seelyville Coals for mining in Selected Areas of which 0.2 billion have been mining was in east-central Illinois near the city of Danville where the coal has of Illinois: Illinois State Geological Survey Illinois Minerals 124, 44 p.

been mined by both surface and under-		g.	4 Penns	Pennsylvanian Stratigraphic Column			
ground methods.	eries	Fm.	Graphic	Central and Southern	Northern and Western	Eastern and Southern	
Except for mines in	Ser	E	Column	Members and Beds	Members and Beds	Members and Beds	
•				Trivoli Sandstone	Trivoli Sandstone	Trivoli Sandstone	
east-central Illinois, most large surface			XXX XXX	Scottville Limestone Athensville Coal (SW)	Exline Limestone		
mines recover the	Desmoinesian Series		<del> ₹₹₹</del> ₹₹₹	ake Creek Coal Pond Creek Coal Gimlet Sandstone	Lonsdale Limestone Gimlet Sandstone	West Franklin Limestone	
Danville Coal only as part of their opera-				Rock Branch (SW)/ DeGraff (S) Coal	Gimiet Sandstone		
tion to remove over-				Piasa Limestone	Farmington Shale		
	noi	Sh	*****	Danville Coal Galum Limestone	Danville Coal	Danville Coal	
burden to mine the	llesr			— Allenby Coal			
underlying Herrin	$\prod^{\square}$		1	Bankston Fork Limestone		Bankston Fork Limestone	
Coal. In many cases,			XXXX	Anvil Rock Sandstone	Copperas Creek Sandstone Lawson Shale	Anvil Rock Sandstone	
the Danville seam	ll			Conant Limestone —— Jamestown Coal	Lawson Shale	Conant Limestone Jamestown Coal	
				Brereton Limestone	Brereton Limestone	Brereton Limestone	
has been considered	ll	le		Anna Shale Energy Shale	Anna Shale	Anna Shale	
to be too thin or too		nda	**************************************	Herrin Coal	Herrin Coal Spring Lake Coal Bed	Herrin Coal	
poor in quality to jus-		arbondale	· · · · · · · · · · · · · · · · · · ·		Big Creek Sandstone Vermillionville Sandstone		
tify recovery and was		Ca	T V V V V V V V	Briar Hill Coal	veriminonvine sandstone	Briar Hill Coal	
simply discarded in				2 2 2			
simply discarded in							

sources, 4 billion tons occur in coal 42 to 66 inches thick and 0.4 billion tons the spoil pile with other rock overburden. (Modified from ISGS Pub. IM 124, Korose, et al) - Handbook of Illinois Stratigraphy, 1975, Illinois State Geological Survey Bulletin 95, 261p.

- Christopher P. Korose, Colin G. Treworgy, Russell J. Jacobson, and Scott D. Elrick, 2002, Availabil-

400 to 500 ft 300 to 400 ft 200 to 300 ft 100 to 200 ft 0 to 100 ft -100 to 0 ft -200 to -100 ft -300 to -200 ft -400 to -300 ft -500 to -400 ft -600 to -500 ft -700 to -600 ft -800 to -700 ft -900 to -800 ft

< -900 ft

**Coal Elevation** 

800 to 900 ft

700 to 800 ft

600 to 700 ft

500 to 600 ft

## **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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