Institute of Natural Resource Sustainablity

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Danville Coal Depth WABASH County

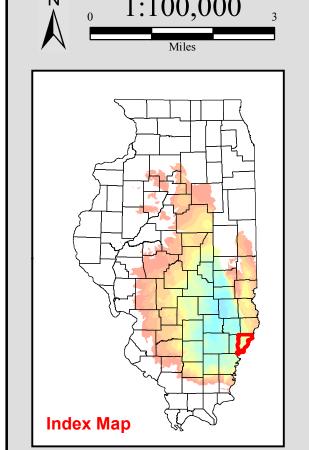
County Coal Map Series Andrew Louchios, Scott Elrick,

Chris Korose, David Morse Map construction: October 26, 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

RICHLAND 3N 11W 3N-12W 3N 14W 3N 13W \ Calhoun 2N 1/4W 2N 13W 2N 2N 10E Francisville 1N 13W 1N 1N 10E Mount 1N 9E 11E WABASH 1S 14W 1S 10E 1S 9E WAYNE EDWARDS 2S 9E 5S 10E 5S 9E 5S 14\



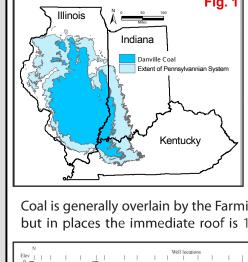


Fig. 1 The Danville Coal underlies about two thirds of Illinois as well as portions of western Indiana and western Kentucky. The coal crops out along the margins of the Illinois Basin and reaches a maximum depth in Illinois of about 1,200 feet. (See Fig 1. and Fig 2.) The Danville Coal is in the Shelburn 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

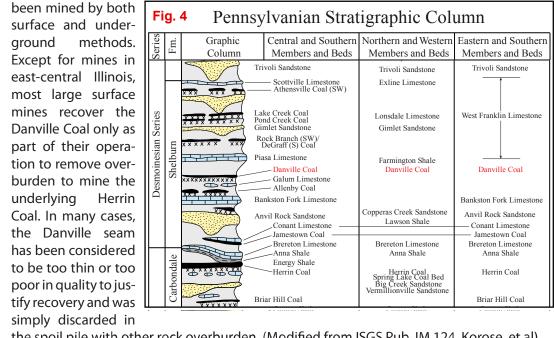
The original resource of Dan-

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 relatively thick underclay. At the type locality in Vermillion kins, 1968 - B95). (See Fig 4.)

					<u>Original</u>	Mined	R emaining	<u>Available</u>
Danville					19.6	0.2	19.4	4.5
Jamestown					3.6	0	3.6	0.9
Herrin					88.5	9.4	79.0	51.0
Springfield					65.1	2.2	63.0	27.0
Colchester					19.0	0.5	18.5	1.0
Dekoven					6.0	0.1	5.9	0.3
Davis			■ Available ■ Avail. w/ p	otential restr.	9.6	0.1	9.5	4.7
Seelyville			Restricted	or mined	9.7	0	9.7	6.7
	0 20	40	60	80	100	(All number	rs in Billions of	f Tons)
Fig. 3		billion	s of tons		221.1	12.5	208.6	96.1
mined. Approximately 23% of the original Danville Coal resources, 4.5 billion tops are considered available for mining (See Fig. 3.). Available means that								

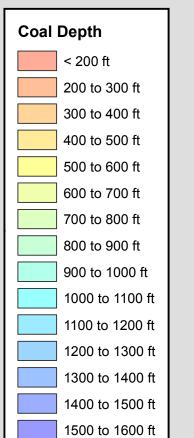
tons, are considered available for mining. (See Fig 3.) Available means that county, the Danville Coal is 6 the surface land-use and geologic conditions related to mining of the deposit feet thick and occurs 20 feet (e.g. thickness, depth, in-place tonnage, stability of bedrock overburden) are tify recovery and was I above the Herrin Coal. (Hop- comparable to other coals currently being mined in the state. Of these resources, 4 billion tons occur in coal 42 to 66 inches thick and 0.4 billion tons 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 of which 0.2 billion have been mining was in east-central Illinois near the city of Danville where the coal has



simply discarded in 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, Availability of the Danville, Jamestown, Dekoven, Davis, and Seelyville Coals for mining in Selected Areas of Illinois: Illinois State Geological Survey Illinois Minerals 124, 44 p.



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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