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Danville Coal Elevation SCHUYLER County

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

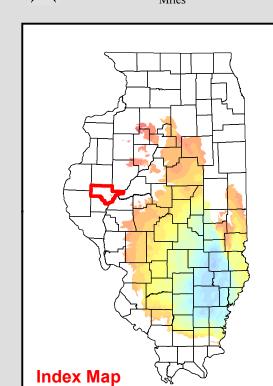
Map construction: November 03, 2009

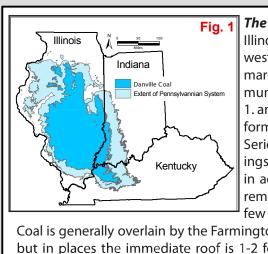
This product is under review and may not meet the

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

MCDONOUGH 5N 2W 5N 1E 5N 2E HANCOCK 4N 5W **FULTON** 4N 4W 4N 2W Industry 4N 1W 4N 2E 4N-3E 3N 4W 3N 3W 3N 2W 20N 10W 2N 3W 2N 1E 20N 11W SCHUYLER 19N 10W 19N 11W 1N 4W 1N 5W ADAMS 1N 3W 1N 2W BROWN 1S 4W 1S 2W 17N 12W -17N-11W 25 1W 17N 10W 2S 4W 2S 2W 2S 3W 16N 12W MORGAN 16N 10W 3S 5W 3S 4W SCOT Fig. 1 The Danville Coal underlies about two thirds of been mined by both **Coal Elevation Map Explanation** Fig. 4 Pennsylvanian Stratigraphic Column Original Mined Remaining Available Illinois as well as portions of western Indiana and surface and under-Central and Southern Northern and Western Eastern and Southern Members and Beds Members and Beds 800 to 900 ft western Kentucky. The coal crops out along the ground methods. Indiana margins of the Illinois Basin and reaches a maxi-700 to 800 ft Except for mines in The maps and digital files of this study were compiled from data from a variety of public





mum depth in Illinois of about 1,200 feet. (See Fig . 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-

■ Avail. w/ potential restr. 12.5 relatively thick underclay. At mined. Approximately 23% of the original Danville Coal resources, 4.5 billion the type locality in Vermillion tons, are considered available for mining. (See Fig 3.) Available means that to be too thin or too

county, the Danville Coal is 6 the surface land-use and geologic conditions related to mining of the deposit poor in quality to jusfeet thick and occurs 20 feet (e.g. thickness, depth, in-place tonnage, stability of bedrock overburden) are occur in thicknesses greater than 66 inches.

of which 0.2 billion have been mining was in east-central Illinois near the city of Danville where the coal has

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 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

east-central Illinois, most large surface mines recover the Lonsdale Limestone Gimlet Sandstone Danville Coal only as Rock Branch (SW)/ DeGraff (S) Coal part of their opera-Piasa Limestone Farmington Shale Danville Coal tion to remove overburden to mine the Allenby Coal Coal. In many cases, the Danville seam Anna Shale Herrin Coal Spring Lake Coal Bed Big Creek Sandstone Herrin Coal tify recovery and was

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.

600 to 700 ft 500 to 600 ft 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

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

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.

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

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.

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