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Danville Coal Depth **JERSEY** County

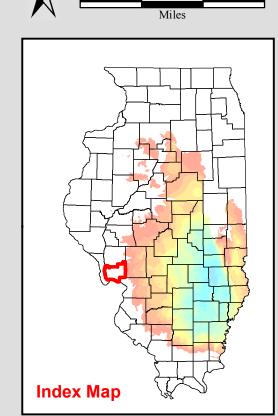
County Coal Map Series Andrew Louchios, Scott Elrick,

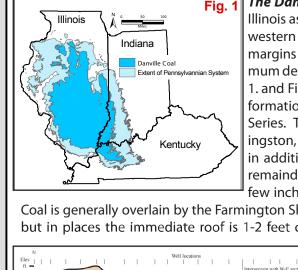
Chris Korose, David Morse Map construction: October 26, 2009

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

11N_13W 11N 12W 11N 9W 11N_8W 14W 8\$ 2W 10N 11W 10N 10W __10N 8W 20 10N 13W GREENE MACOUPIN 9S 2W 9N 12W 9N 10W 9N 13W 9N 8W 10S/3W Fidelity \14₃W 8N 13W 8N|9W Shipman 11S 2W CALHOUN **JERSEY** 7N-12W 7N 10W 7N 8W 7N 9W 12S 2W 6N 13W 6N 12W 12**Ş** 1W 6N 10W _6N9W 6N 8W-153\$ 2W4 5N 8W Fig. 1 The Danville Coal underlies about two thirds of been mined by both **Map Explanation** Fig. 4 Pennsylvanian Stratigraphic Column **Coal Depth** Original Mined Remaining Available Illinois as well as portions of western Indiana and surface and under-





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 kins, 1968 - B95). (See Fig 4.)

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 tify recovery and was above the Herrin Coal. (Hop-comparable to other coals currently being mined in the state. Of these re-

sources, 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

Central and Southern Northern and Western Eastern and Southern Members and Beds Members and Beds ground methods. Except for mines in 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 operation to remove overunderlying Herrin Coal. In many cases, Herrin Coal Spring Lake Coal Bed Big Creek Sandstone Herrin Coal 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.

< 200 ft 200 to 300 ft 300 to 400 ft 400 to 500 ft 500 to 600 ft 600 to 700 ft 700 to 800 ft 800 to 900 ft 900 to 1000 ft 1000 to 1100 ft 1100 to 1200 ft 1200 to 1300 ft 1300 to 1400 ft

1400 to 1500 ft

1500 to 1600 ft

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.

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