ILLINOIS AT URBANA-CHAMPAIGN Institute of Natural Resource Sustainability William W. Shilts. Executive Director **ILLINOIS STATE GEOLOGICAL SURVEY** E. Donald McKay III, Interim Director For more information contact: Institute of Natural Resource Sustainablity Illinois State Geological Survey 615 East Peabody Drive Champaign, Illinois 61820-6964 (217) 333-4747 http://www.isgs.illinois.edu

Danville Coal Thickness MARSHALL County

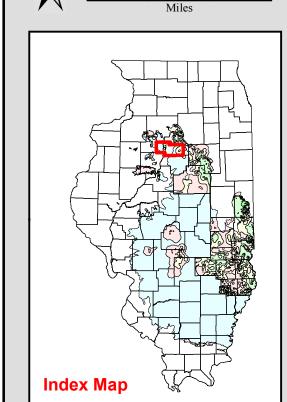
County Coal Map Series Andrew Louchios, Scott Elrick, Chris Korose, David Morse

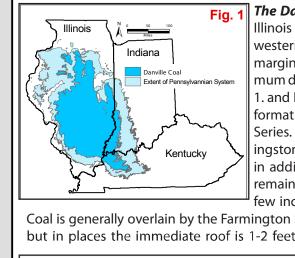
Map construction: October 28, 2009

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

33N 2E 33N 1W 33N 2W 9E BUREAU 15N 8E PUTNAM 532N 2W 32N 2E 32N 1E 32N 1W **LAŠALLE** STARK 31N 2E 31N 1W 31N 1E 31N 2W 24 13N 10E Magnolia 13N 8E 13N 9E 30N 1W 30N 1E 30N 2W MARSHALL 12N 9E 12N 7E 12N 8E 29N 2E 29N 1E 29N 2W 11N 7E 11N 8E-28N 1E 28N 1W 28N 2W WOODFORD 10N 7E 27N 2E 27N 1W 27N 4W Panola MCLEAN TAZEWEL 26N 26N 1E The Danville Coal underlies about two thirds of been mined by both **Coal Thickness Map Explanation** Pennsylvanian Stratigraphic Column Illinois as well as portions of western Indiana and surface and underwestern Kentucky. The coal crops out along the ground methods.

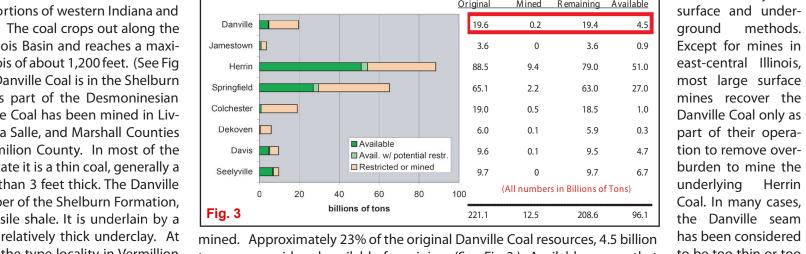




margins of the Illinois Basin and reaches a maximum depth in Illinois of about 1,200 feet. (See Fig . and Fig 2.) The Danville Coal is in the Shelburn formation which is part of the Desmoninesian Series. The Danville Coal has been mined in Livingston, McLean, La Salle, and Marshall Counties n addition 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

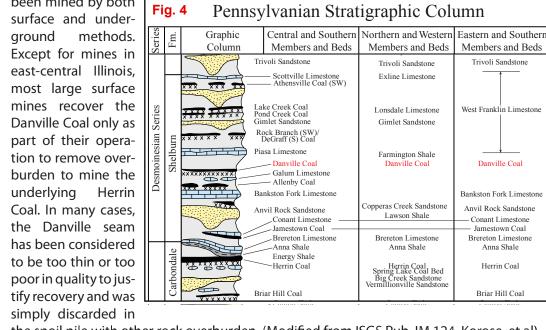
The original resource of Dan-

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.)



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 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 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.



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, Availabilnois 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 Surface Mine Underground Mine Insufficient data <28 inches 28 to 42 inches 42 to 66 inches >66 inches

Channel

Split Coal

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

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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