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## Danville Coal Sulfur LIVINGSTON County

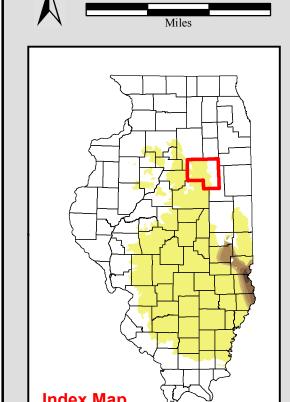
County Coal Map Series Andrew Louchios, Scott Elrick, Chris Korose, David Morse

Map construction: October 29, 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

Leonore Wilmington Brooklyn -GRUNDY 31N 9E LASALLE 31N 8E 31N 6E 31N 5E 31N 4E 31N 3E 31N 2E Kangley Union Hill KANKAKEE 30N 8E 30N 6E 30N 5E 30N 4E 30N 3E Buckingham Campus 29N 6E 29**№**9E 29N 5E 29N 4E 29N 3E 29N 2E LIVINGSTON 28N 6E 28N 5E 28N 4E 28N 3E 28N 2E 27N 9E WOODFORD 27N 8E 27N 6E 27N 5E 27N 4E 27N 3E 27N 2E 26N 9E 26N 8E 26N 7E 26N 6E 26N 5E 26N 4E 26N MCLEAN 25N 6E 25N 5E 25N 7E 25N 4E 25N 3E 25N 2E Hudson Anchor Cooksville 24N 9E 24N 7E 24N 3E 24N 4E 24N 6E 24N 5E been mined by both



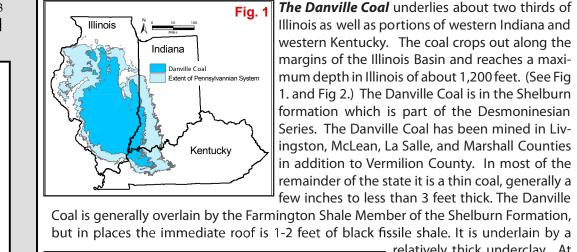
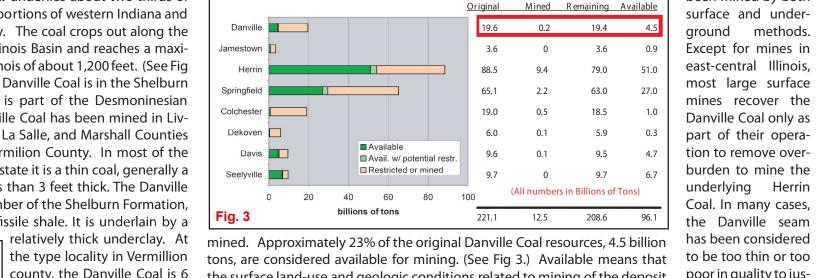


Fig. 1 The Danville Coal underlies about two thirds of Illinois as well as portions of western Indiana and western Kentucky. The coal crops out along the margins of the Illinois Basin and reaches a maximum depth in Illinois of about 1,200 feet. (See Fig I. and Fig 2.) The Danville Coal is in the Shelburn 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, kins, 1968 - B95). (See Fig 4.)

The original resource of Dan-



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 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

mining was in east-central Illinois near the city of Danville where the coal has

tion to remove overburden to mine the underlying Herrin Coal. In many cases, the Danville seam poor in quality to jus-

surface and under-

ground methods.

Except for mines in

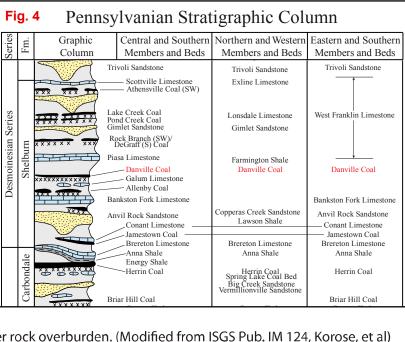
east-central Illinois,

most large surface

mines recover the

Danville Coal only as

part of their opera-



**Coal Sulfur** 

Less than or equal to 0.40 (lb S per MM Btu)

0.41 to 0.60 (lb S per MM Btu)

0.61 to 0.83 (lb S per MM Btu)

0.84 to 1.24 (lb S per MM Btu)

1.25 to 1.67 (lb S per MM Btu)

1.68 to 2.50 (lb S per MM Btu)

Greater than 2.50 (lb S per MM Btu)

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, 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 of Illinois: Illinois State Geological Survey Illinois Minerals 124, 44 p.



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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