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## Danville Coal Sulfur GRUNDY County

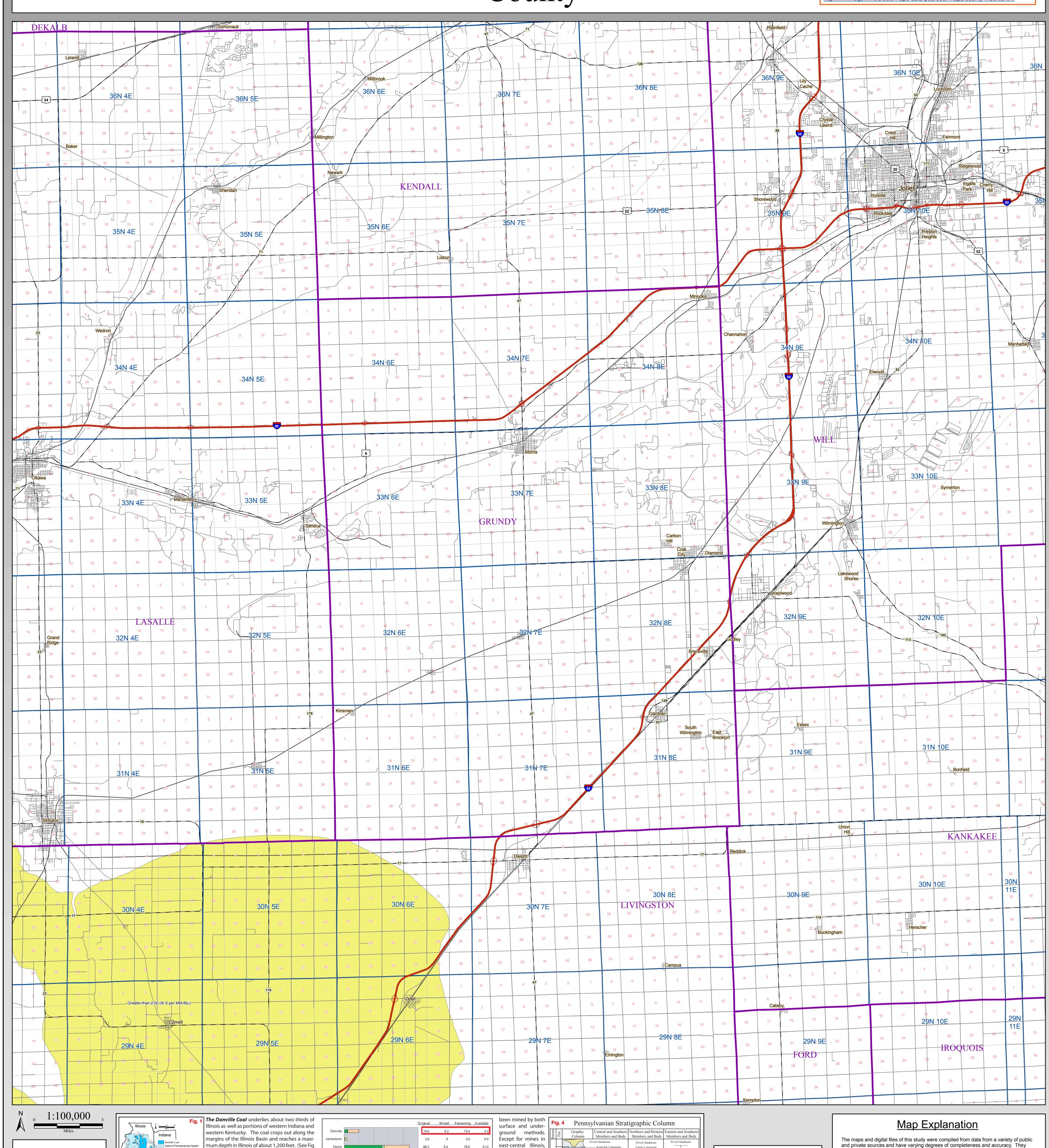
County Coal Map Series Andrew Louchios, Scott Elrick,

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



the Danville seam mined. Approximately 23% of the original Danville Coal resources, 4.5 billion 1.25 to 1.67 (lb S per MM Btu) the type locality in Vermillion tons, are considered available for mining. (See Fig 3.) Available means that to be too thin or too Herrin Coal Spring Lake Coal Bed Big Creek Sandstone rmillionville Sandstone Herrin Coal county, the Danville Coal is 6 the surface land-use and geologic conditions related to mining of the deposit poor in quality to jus-1.68 to 2.50 (lb S per MM Btu) feet 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 resimply discarded in Greater than 2.50 (lb S per MM Btu) the spoil pile with other rock overburden. (Modified from ISGS Pub. IM 124, Korose, et al) kins, 1968 - B95). (See Fig 4.) sources, 4 billion tons occur in coal 42 to 66 inches thick and 0.4 billion tons

■ Avail. w/ potential restr.

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

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

12.5

208.6

nois 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

most large surface

mines recover the

Danville Coal only as

part of their opera-

tion to remove over-

burden to mine the

underlying Herrin

Coal. In many cases,

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 Liv-

ingston, 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

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present interpretations of the geology of the area and are based on available data.

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

These data are not intended for use in site-specific screening or decision-making.

conceptual model of the geology of the area on which to base further work.

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

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

**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)

Lonsdale Limestone

Gimlet Sandstone

Farmington Shale Danville Coal

Anvil Rock Sandstone

Rock Branch (SW)/ DeGraff (S) Coal

Allenby Coal

Bankston Fork Limestone

Anvil Rock Sandstone

- Handbook of Illinois Stratigraphy, 1975, Illinois State Geological Survey Bulletin 95, 261p.

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

- Christopher P. Korose, Colin G. Treworgy, Russell J. Jacobson, and Scott D. Elrick, 2002, Availabil-

Piasa Limestone