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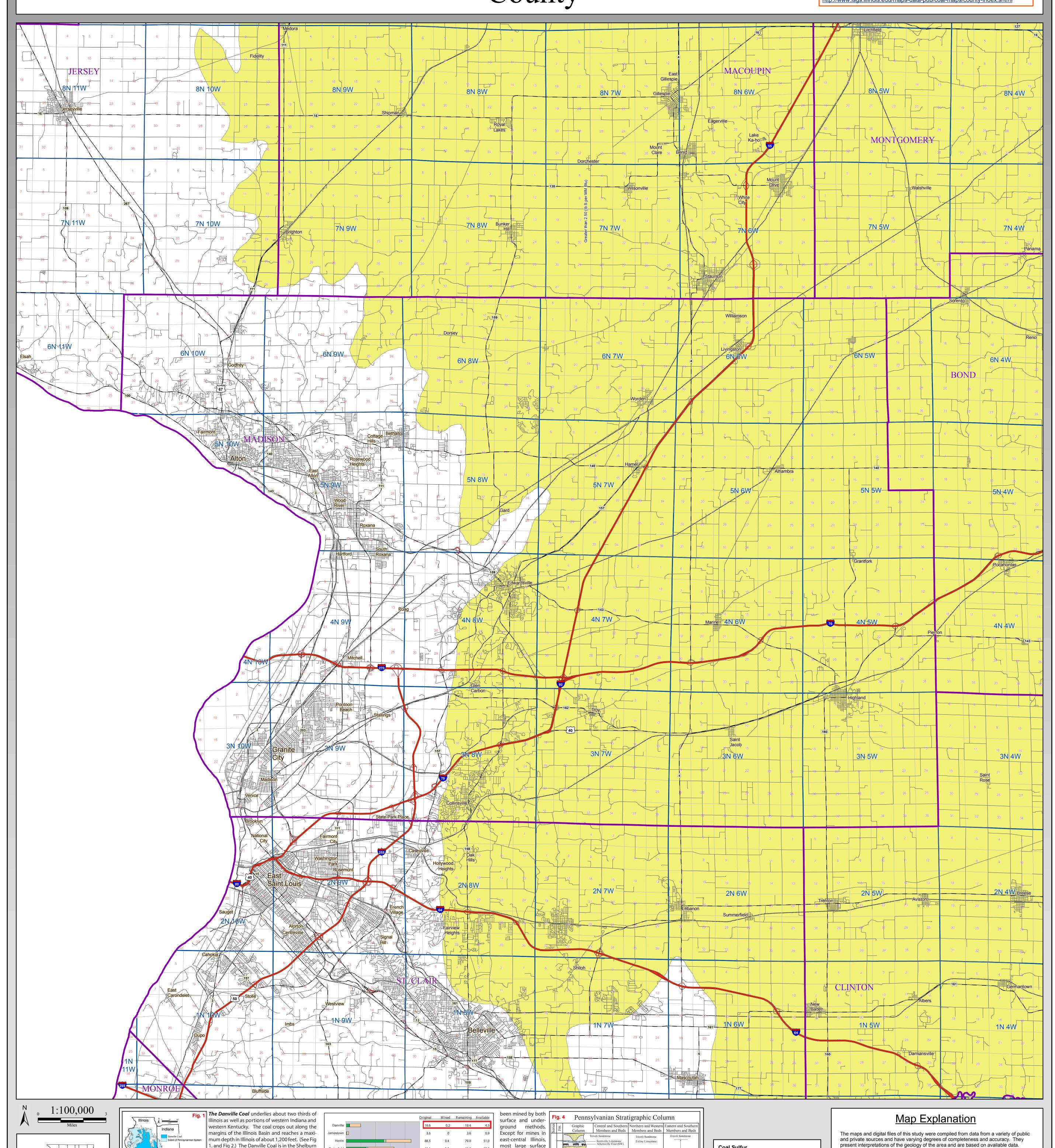
Danville Coal Sulfur MADISON County

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



Herrin Coal Spring Lake Coal Bed Big Creek Sandstone rmillionville Sandstone Disclaimer 1.68 to 2.50 (lb S per MM Btu) Greater than 2.50 (lb S per MM Btu)

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)

Coal Sulfur

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.

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

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.

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The original resource of Danville Coal in the State of Illi- **T**he Danville Coal has been mined in Illinois for over 100 years, but only about

mined. Approximately 23% of the original Danville Coal resources, 4.5 billion

sources, 4 billion tons occur in coal 42 to 66 inches thick and 0.4 billion tons

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

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

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 re-

occur in thicknesses greater than 66 inches.

12.5

208.6

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

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

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

- 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 spoil pile with other rock overburden. (Modified from ISGS Pub. IM 124, Korose, et al)

Rock Branch (SW)/ DeGraff (S) Coal

— Allenby Coal

Lonsdale Limestone

Gimlet Sandstone

Farmington Shale Danville Coal

Herrin Coal

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,

the Danville seam

poor in quality to jus-

tify recovery and was

simply discarded in