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Net Coal Thickness SALINE County

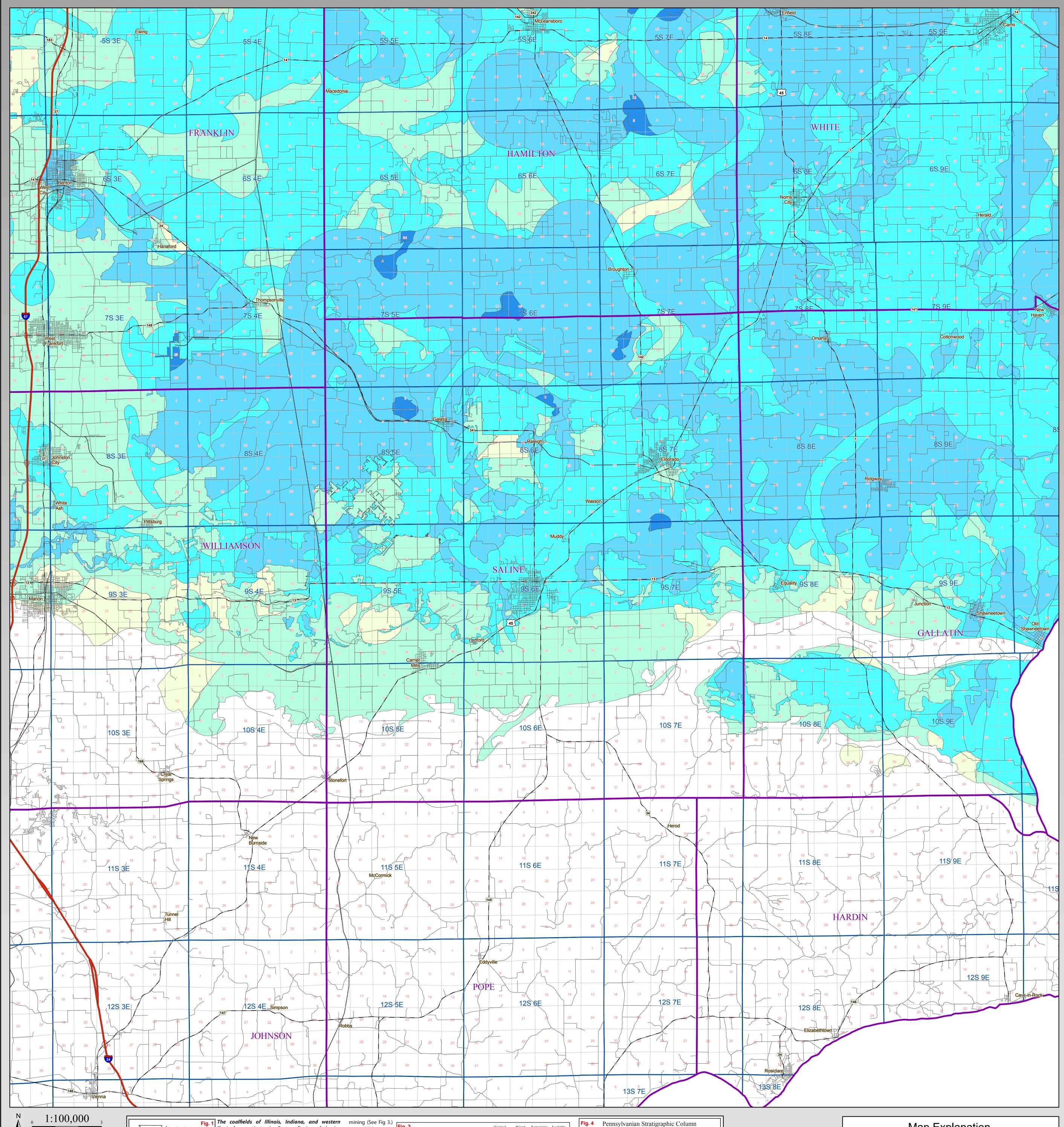
County Coal Map Series

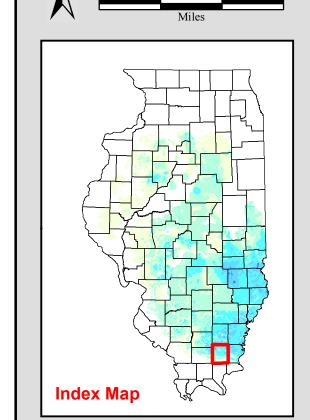
Andrew Louchios, Scott Elrick,
Chris Korose, David Morse

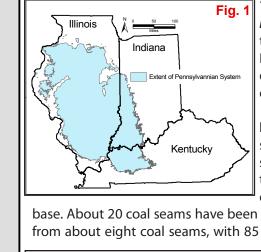
Map construction: November 04, 2009

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







North-south cross section of the Pennsylvanian System in Illinois

Fig. 1

The coalfields of Illinois, Indiana, and western
Kentucky constitute the Eastern Region of the Interior Coal Province, known better as the Illinois
Basin. About 36,800 square miles in Illinois are underlain by the coal-bearing sequence of rocks that constitute the Pennsylvanian System. (See Fig 1.)

Illinois has the largest reported bituminous coal remaining of the deposit (e.g. thickness, depth,

Illinois has the largest reported bituminous coal resources and the largest strippable bituminous coal resources of any state in the United States. Illinois has the third largest total coal resources of any state and is second only to Montana in terms of demonstrated reserve base. About 20 coal seams have been mined in Illinois. Most production, however, has come from about eight coal seams, with 85 to 90% of the total production being from the Herrin and Springfield seams.

The combined original resources of the Danville, Jamestown, Herrin, Springfield, Colchester, Davis/Dekoven, and Seelyville Coals in the State of Illinois totals 221.1 billion tons, of which 12.5 billion have been mined. Approximately 43% of these original coal resources, 96.1 billion tons, are considered available for mined in the mined in t

mining (See Fig 3.)

Available means that the surface land-use and geologic conditions related to mining of the deposit (e.g. thickness, depth, in-place tonnage, stability of bedrock overburden) are comparable to other coals currently being mined in the state.

Fig. 3

Danville

Jamestown

Herrin

Springfield

Colchester

Dekoven

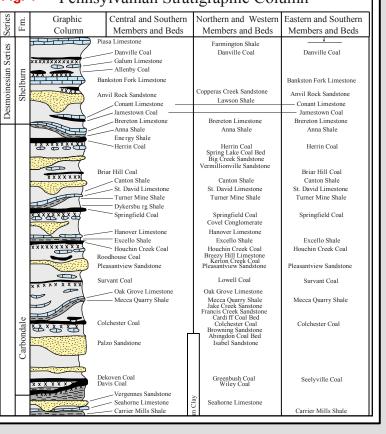
Davis

Available

A

The combined original resources of the Danville, Jamestown, Herrin, Springfield, Colchester, Davis/
near the deepest areas of the Illinois Basin in and around Jasper County. (See Index Map)

References:
- Handbook of Illinois Stratigraphy, 1975, Illinois State Geological Survey Bulletin 95, 261p.
- Jacobson, R.J, and C Korose, 2003, Coal Geology of Illinois, in 2003 Keystone Coal Industry Manual, Coal Age, PRIMEDIA Business Magazines and Media, Chi cago, IL, pp. 503-514.



Net Coal Thickness

18 inches to 5 feet
5 to 10 feet
10 to 15 feet
15 to 20 feet
20 to 25 feet

Map Explanation

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.

<u>Disclaimer</u>

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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