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

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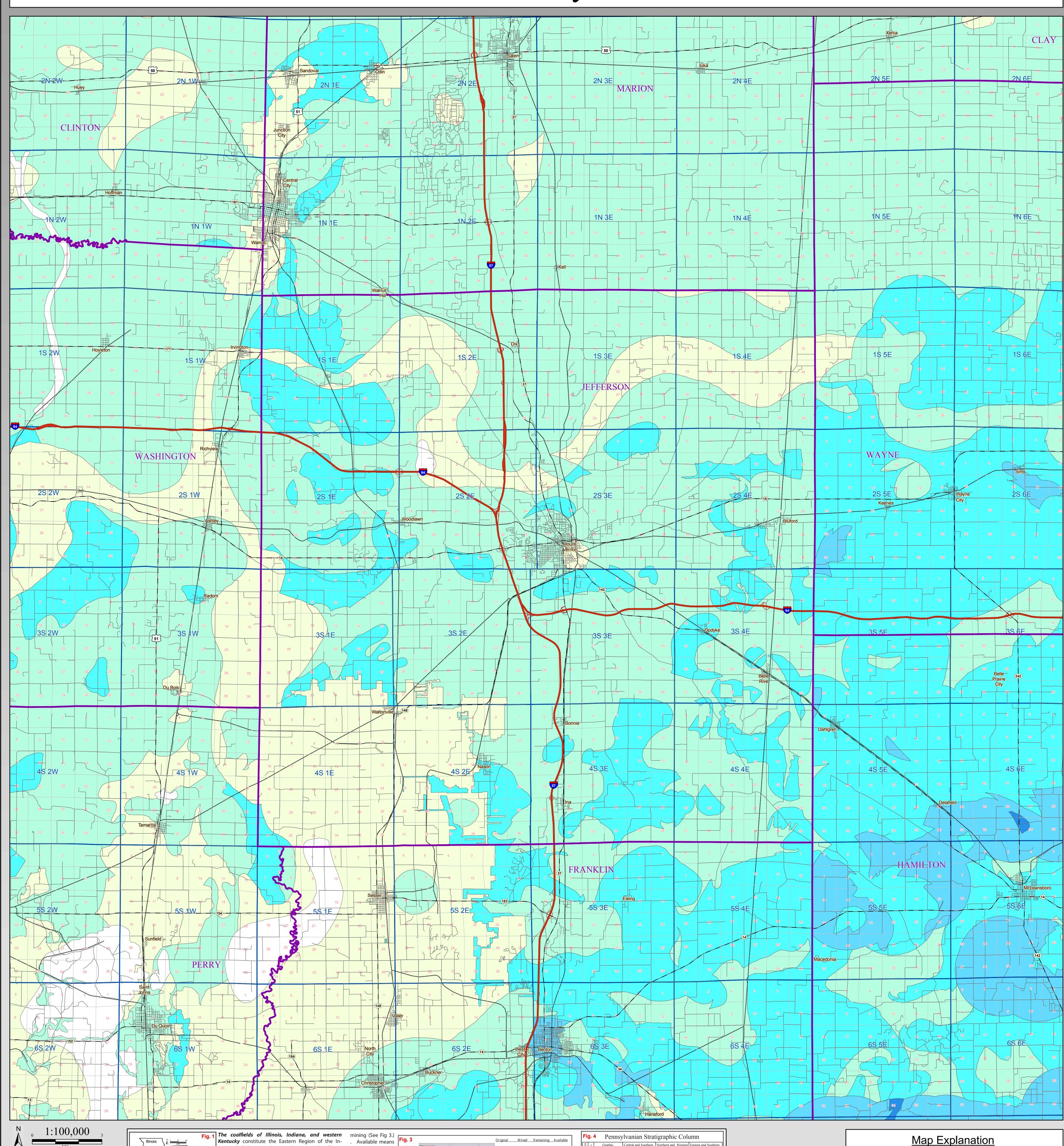
## Net Coal Thickness **JEFFERSON** County

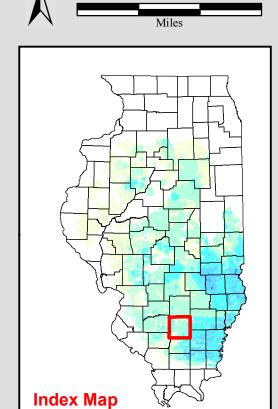
County Coal Map Series Andrew Louchios, Scott Elrick, Chris Korose, David Morse

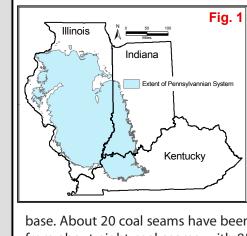
Map construction: November 04, 2009

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







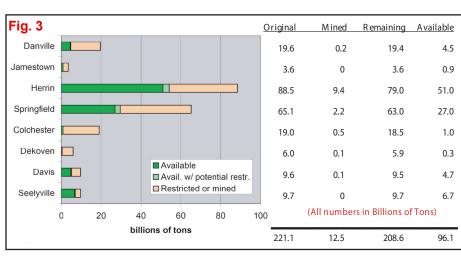
terior Coal Province, known better as the Illinois that the surface

third largest total coal resources of any state and is secbase. About 20 coal seams have been mined in Illinois. Most production, however, has come to other coals from about eight coal seams, with 85 to 90% of the total production being from the Herrin currently being

	and Springfield seams.
Well locations S Intersection with W-E section  Top of backage Spirituages	The combined original resources of the Danville, Jamestown, Her-
Description of the control of the co	rin, Springfield, Colchester, Davis/ Dekoven, and Seelyville Coals in the State of Illinois totals 221.1 billion
Pennsylvanian System Blond & Matloor firs Patoka & Shelburn Firs Carbondale Firs Carbondale Firs Carbondale Firs Carbondale Firs North-south cross section of the Pennsylvanian System in Illinois (Note: apparent thickness and dip are distorted due to vertical exaggeration.)	tons, of which 12.5 billion have been mined. Approximately 43% of these original coal resources, 96.1 billion tons, are considered available for

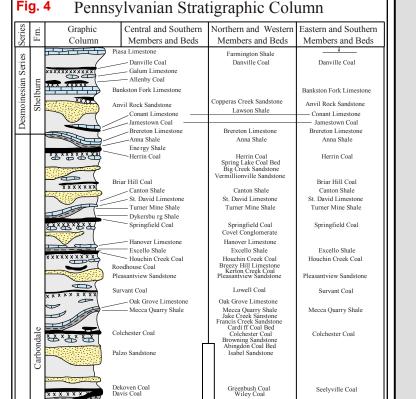
Basin. About 36,800 square miles in Illinois are un- land-use and geo- Jamestown derlain by the coal-bearing sequence of rocks that logic conditions constitute the Pennsylvanian System. (See Fig 1.) related to mining of the deposit (e.g. Illinois has the largest reported bituminous coal re- thickness, depth, sources and the largest strippable bituminous coal re- in-place tonnage, sources of any state in the United States. Illinois has the stability of bedrock overburden) ond only to Montana in terms of demonstrated reserve are comparable

er, Davis/



resources **C**oal has been mined in Illinois for 200 years. The thickest cumulative resources of coals own, Her- in Illinois are found in the southeastern part of the state along the Galatia Channel and near the deepest areas of the Illinois Basin in and around Jasper County. (See Index Map)

> - 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. Data included in this map are suitable for use at a scale of 1:100,000.

## **Disclaimer**

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