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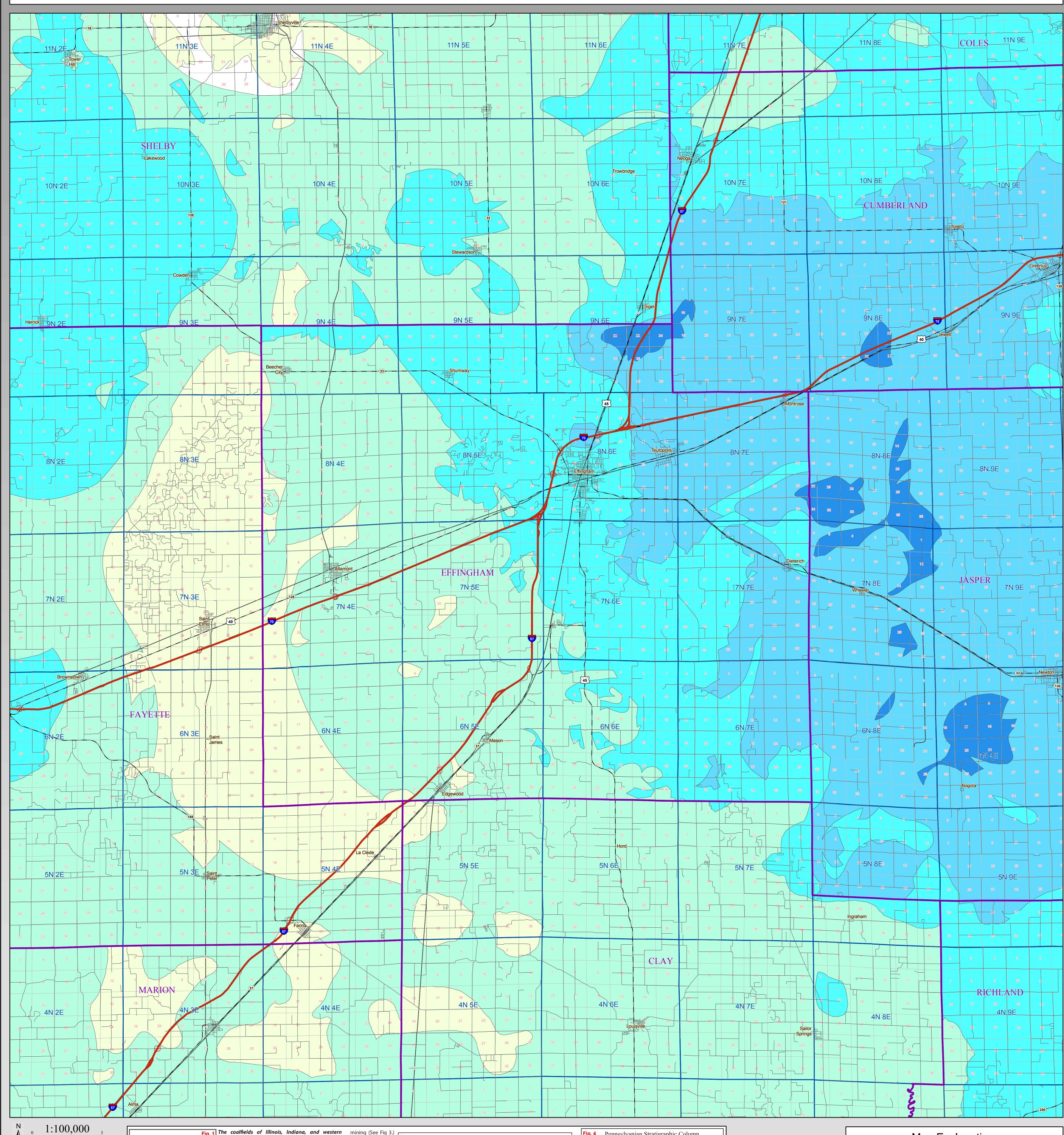
Net Coal Thickness EFFINGHAM County

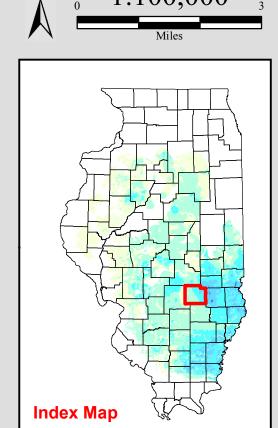
County Coal Map Series Andrew Louchios, Scott Elrick, Chris Korose, David Morse

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





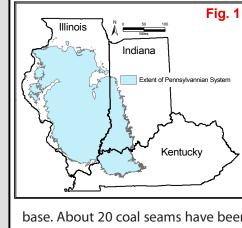


Fig. 1 The coalfields of Illinois, Indiana, and western Kentucky constitute the Eastern Region of the In
Kentucky constitute the Eastern Region of the In
Available means terior Coal Province, known better as the Illinois that the surface Basin. About 36,800 square miles in Illinois are un- land-use and geo- Jamestown derlain by the coal-bearing sequence of rocks that logic conditions constitute the Pennsylvanian System. (See Fig 1.) related to mining

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 bedthird largest total coal resources of any state and is second only to Montana in terms of demonstrated reserve are comparable base. 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

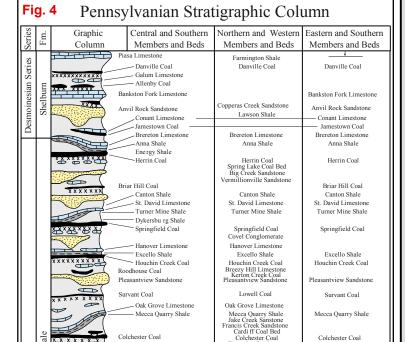
| The combined original resources of the Danville, Jamestown, Herrin, Springfield, Colchester, Davis/Dekoven, and Seelyville Coals in the State of Illinois totals 221.1 billion tons, of which 12.5 billion have been mined. Approximately 43% of these original coal resources 96.1 billion to constitute the 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 | | i and Springheid seams. |
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| rin, 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 Caseyille & Tradevater Fins | Top of bethoof | T he combined original resources |
| 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 case, ville & Tradewater Fins | Springfold Coal | of the Danville, Jamestown, Her- |
| State of Illinois totals 221.1 billion tons, of which 12.5 billion have been mined. Approximately 43% of these carronals of a billion carronal coal resources. 96.1 billion or coal resources. | anhase Ls | rin, Springfield, Colchester, Davis/ |
| Quaternary System Pennsylvanian System Bond & Mattoon Fins Patoka & Shelbum Fins Caseyville & Tradevater Fins Caseyville & Tradevate | Base of Table Co. | Dekoven, and Seelyville Coals in the |
| Pennsylvanian System Blood & Mattoon Fins Patoka & Shelbum Fins Carbondale Fin Caseyville & Tradevater Fins Processes See 1 billion Caseyville & Tradevater Fins Carbondale Fins Caseyville & Tradevater Fins | | State of Illinois totals 221.1 billion |
| Patoka & Shelbum Fins Carbondale Fin Caseyville & Tradevater Fins | E Pennsylvanian System | tons, of which 12.5 billion have been |
| Caseyille & Tradevater Fins Original coal resources 96.1 hillion | Patoka & Shelburn Fms | mined. Approximately 43% of these |
| | Caseyville & Tradewater Fms | |
| (Note: apparent thickness and dip are distorted due to vertical exaggeration.) | forth-south cross section of the Pennsylvanian System in Illinois (Note: apparent thickness and dip are distorted due to vertical exaggeration.) | |

of the deposit (e.g. rock overburden)

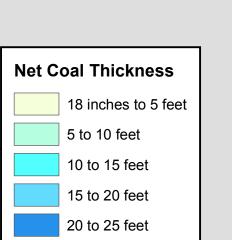
Original Mined Remaining Available ■ Avail. w/ potential restr. 40 60 80 221.1 12.5 208.6

sources **C**oal has been mined in Illinois for 200 years. The thickest cumulative resources of coals n, Her- in Illinois are found in the southeastern part of the state along the Galatia Channel and , Davis/ 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.



Greenbush Coal Wiley Coal



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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