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 LOGAN County

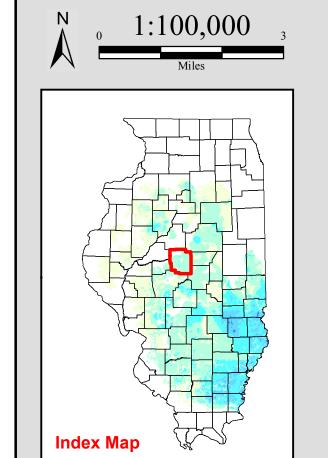
County Coal Map Series Andrew Louchios, Scott Elrick, Chris Korose, David Morse

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

TAZEWELI 23N 1E 23N 1W 23N 2W 23N 3W 23N 4W 23N 5W Hopedale MCLEAN [51] -22N-2E-22N 1W 22N 2W 22N 3W **⊉2N 4W** 22N 5W 22N 6W 21N 1E___ 21N 2W 21N 3W 21N 4W 21N 5W 21N 6W Wapella Mason City **MASON** DEWITT, 20N 1E 20N-2E 20N 1W 20N 6W 20N 5W 19N 1W 19N 6W 19N 5W LOGAN MENARD 18N 2E 51 18N 3W 18N 1E 18N 4W 18N 5W 18N 2W 18N 6W -18N-1W-17N12E = 17N 1E 17N 2W 17N 1W SANGAMON _MACON Niantic Illiopolis 16N 3W 16N 2W



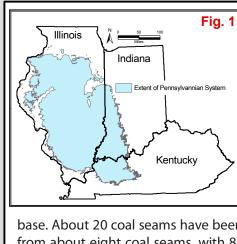
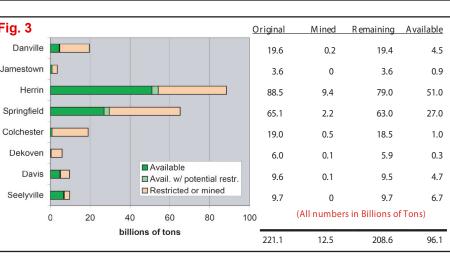


Fig. 1 The coalfields of Illinois, Indiana, and western Kentucky constitute the Eastern Region of the In
Kentucky constitute the Eastern Region of the In
Available means terior Coal Province, known better as the Illinois that the surface Basin. About 36,800 square miles in Illinois are un- land-use and 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 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

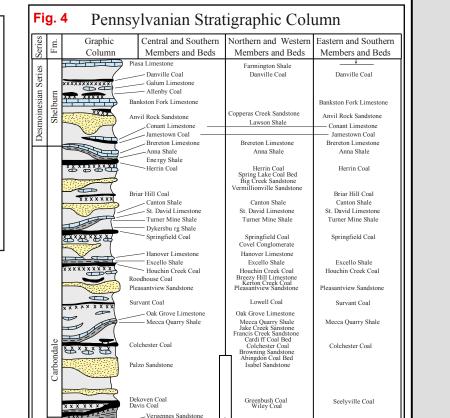
and Springfield seams. Dekoven, and Seelyville Coals in the State of Illinois totals 221.1 billion tons, of which 12.5 billion have been **References:** mined. Approximately 43% of these original coal resources, 96.1 billion orth-south cross section of the Pennsylvanian System in Illinois tons, are considered available for

of the deposit (e.g. rock overburden)

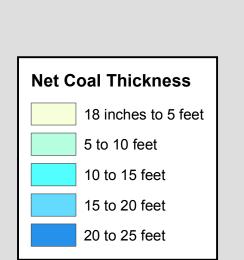


The combined original resources Coal has been mined in Illinois for 200 years. The thickest cumulative resources of coals of the Danville, Jamestown, Her- in Illinois are found in the southeastern part of the state along the Galatia Channel and rin, Springfield, Colchester, Davis/ near the deepest areas 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.



CHRISTIAN



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.

Disclaimer

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