## 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

(217) 333-4747

http://www.isgs.illinois.edu

## Springfield Coal Thickness MOULTRIE County

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

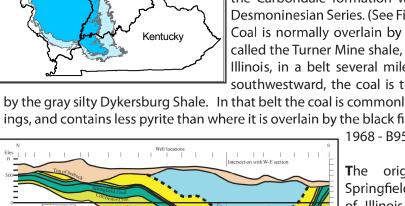
Map construction: October 28, 2009

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

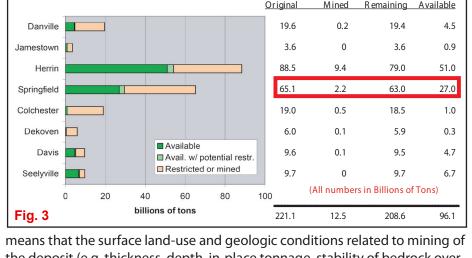
-CHAMPAIGN 17N 7E 17N 6E 17N 5E 17N<sup>1</sup>2E PIATI 16N 8E 16N 7E 16N 6E 16N 5É 16N 4E 16N 3E DOUGLAS 15N 7E 15N 3E 15N 5E Lovington 14N 6E 14N 7E 14N 3E 14N 4E 13N 6E 13N 7E 13N 5E 13N 2E 13N 3E COLES MOULTRIE -CHRISTIAN 12N 6E 12N 5E 12N 7E 12N 4E 12N 2E 11N 8E 11N 5E 11N 6E 11N 4E CUMBERLAND Lakewood 10N 8E 10N 5E 10N 6E 10N 3E **The Springfield Coal** underlies about two thirds the Illinois River. The **Coal Thickness Map Explanation** Pennsylvanian Stratigraphic Column of Illinois as well as portions of western Indiana coal is thin or absent Central and Southern Morthern and Western Eastern and Southern Members and Beds Members and Beds Members and Beds and western Kentucky. The coal crops out along in the southwestern Indiana the margins of the Illinois Basin and reaches a and extreme north-Surface Mine The maps and digital files of this study were compiled from data from a variety of public





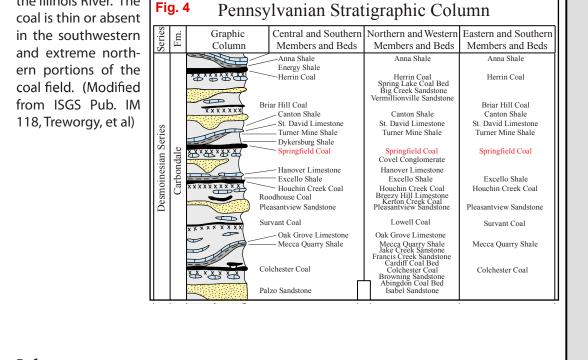
maximum depth in Illinois of about 1,300 feet. (See Fig 1. and Fig 2.) The Springfield Coal is in the Carbondale formation which is part of the Desmoninesian Series. (See Fig. 4) The Springfield Coal is normally overlain by a black fissile shale called the Turner Mine shale, but in southeastern Illinois, in a belt several miles wide that trends southwestward, the coal is thick and is overlain

by the gray silty Dykersburg Shale. In that belt the coal is commonly split by shale partings, and contains less pyrite than where it is overlain by the black fissile shale (Hopkins, tons, of which 2.2 billion have been mined. Approximately **T**he Springfield Coal has been mined in Illinois for well over 100 years. The 41% of the original Springfield thickest resources of Springfield Coal in Illinois are found in the central part of Coal resources, 27 billion tons, the state around the city of Springfield and in the southeastern part of the state



the deposit (e.g. thickness, depth, in-place tonnage, stability of bedrock over-The original resource of burden) are comparable to other coals currently being mined in the state. Of Springfield Coal in the State these resources, 23 billion tons occur in coal 42 to 66 inches thick and 4 billion of Illinois totals 65.1 billion tons occur in thicknesses greater than 66 inches thick.

are considered available for along the Galatia Channel. Recent and historical mining of the coal has been



- Handbook of Illinois Stratigraphy, 1975, Illinois State Geological Survey Bulletin 95, 261p. - Treworgy, C.G., C.P. Korose, C.A. Chenoweth, and D.L. North, 1999a, Availability of the Springfield mining (See Fig 3.). Available concentrated in these areas and in shallow surface minable deposits west of coal for mining in Illinois: Illinois State Geological Survey Illinois Minerals 118, 43 p.

## **Underground Mine** Insufficient data <28 inches 28 to 42 inches 42 to 66 inches

>66 inches

Channel

Split Coal

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**

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.

© 2009 Board of Trustees of the University of Illinois. All rights reserved.