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Springfield Coal Thickness MACOUPIN

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

County coal maps and select quadrangle maps available as downloadable PDF files at:

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

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

conceptual model of the geology of the area on which to base further work.

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basis of the information presented here.

Map construction: October 28, 2009

This product is under review and may not meet the standards of the Illinois State Geological Survey.

County http://www.isgs.illinois.edu/maps-data-pub/coal-maps/county-index.shtml SCOTT SANGAMON __13N_4W 13N 8W 13N 11W 13N 9W 13N 10W 12N #W 12N 9W 12N 8W 12N 11W 12N 7W 11N 5W |11N 9₩-11N 8W __11N_7W 11N 10W 11N 6W GREENE 10N 9W 10N 6W 10N 5W 9N 10W 9N-6W 9N 8W 9N 4W MONTGOMERY Gillespie-8N 10W Royal Lakes 7N 8W 7N 7W 7N 4W 7N 9W 6N 5W 6N 7W 6N 8W-MADISON 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 and private sources and have varying degrees of completeness and accuracy. They maximum depth in Illinois of about 1,300 feet. ern portions of the Herrin Coal present interpretations of the geology of the area and are based on available data. (See Fig 1. and Fig 2.) The Springfield Coal is in coal field. (Modified **Underground Mine** However, these interpretations are based on data that may vary with respect to accuracy Briar Hill Coal Canton Shale St. David Limestone Turner Mine Shale the Carbondale formation which is part of the from ISGS Pub. IM Canton Shale St. David Limestone Turner Mine Shale of geographic location, type, quantity, and reliability, as they were supplied to the Illinois Desmoninesian Series. (See Fig. 4) The Springfield 118, Treworgy, et al) State Geological Survey. Consequently, the accuracy of the interpreted features shown Coal is normally overlain by a black fissile shale Insufficient data in these files is subject to the limitations of the data and varies from place to place. called the Turner Mine shale, but in southeastern

Hanover Limestone
Excello Shale
Houchin Creek Coal
Breezy Hill Limestone
Kerton Creek Coal
Pleasantview Sandstone

Lowell Coal

- 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

Excello Shale Houchin Creek Coal

Colchester Coal

<28 inches

28 to 42 inches

42 to 66 inches

>66 inches

Channel

Split Coal

Avail. w/ potential restr

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 over-

12.5

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.

60

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

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

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

of Illinois totals 65.1 billion tons occur in thicknesses greater than 66 inches thick.

Illinois, in a belt several miles wide that trends

southwestward, the coal is thick and is overlain

tons, of which 2.2 billion have

by the gray silty Dykersburg Shale. In that belt the coal is commonly split by shale part-

ings, and contains less pyrite than where it is overlain by the black fissile shale (Hopkins,