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## Springfield Coal Thickness CHRISTIAN County

County Coal Map Series

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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: <a href="http://www.isgs.illinois.edu/maps-data-pub/coal-maps/county-index.shtml">http://www.isgs.illinois.edu/maps-data-pub/coal-maps/county-index.shtml</a>

LOGAN 17N<sup>1</sup>2E 17N 1W 16N 3W 16N 2W MACON 15N 1E 14N 2W 14N 1E 14N 4W 14N 1W 14N 3E 14N 3W<sub>0</sub> 14N 2E Stonington CHRISTIAN 13N 2W 13N 1W \_\_13N\_\_4W 13N 1E 13N 2E 13N 3E Assumption 12N 2W 12N 4W 12N 3W 12N 3E 12N 1E 12N 2E 11N 2W 11N 3E 11N 1W 11N 3W 11N 1W 11N SHELBY Lakewood 10N 3E 10N 2W 10N 3W MONTGOMERY **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 Northern 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 Avail. w/ potential restr Hanover Limestone Excello Shale Houchin Creek Coal Breezy Hill Limestone Kerfon Creek Coal Pleasantview Sandstone Illinois, in a belt several miles wide that trends Contoured features less than 7 million square feet (about 1/2 mile square) in area Excello Shale Houchin Creek Coal <28 inches southwestward, the coal is thick and is overlain may not be accurately portrayed or resolved. This data set provides a large-scale 60 by the gray silty Dykersburg Shale. In that belt the coal is commonly split by shale partconceptual model of the geology of the area on which to base further work. 12.5 Lowell Coal These data are not intended for use in site-specific screening or decision-making. ings, and contains less pyrite than where it is overlain by the black fissile shale (Hopkins, 28 to 42 inches 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-

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.

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.

tons, of which 2.2 billion have

Colchester 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 42 to 66 inches

>66 inches

Channel

Split Coal

**Disclaimer** 

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data set and accept no liability for the consequences of decisions made by others on the

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basis of the information presented here.