ILLINOIS 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

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,

orth-south cross section of the Pennsylvanian System in Illinois

Index Map

1968 - B95). (See Fig 4.)

of Illinois totals 65.1 billion

tons, of which 2.2 billion have

Springfield Coal Thickness LASALLE

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:

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

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Data included in this map are suitable for use at a scale of 1:100,000.

basis of the information presented here.

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

County http://www.isgs.illinois.edu/maps-data-pub/coal-maps/county-index.shtml http://www.isgs.illinois.edu 36N 2E 36N 1E KENDALL 1.8N-14-E-(34)-35N 6E 35N 4E 35N 3E 35N 5E 35N 2E 17N⁵11Ė Wedron 34N 4E 34N 3E 34N 2E 34N 1E 234N 5E2 Ottawa 33N 6E 33N 5E 33N 3E Depue 33N 1W LASALLE 33N 2W Standard PUTNAM 32N 6E GRUNDY 32N 4E 32N 3E 32N 2E 32N 1E 32N 1W Leonore 31N 6E 31N 2E 31N 1E 3/21/N 2W 24 30N 6E 30N 5E 30N 4E 30N 3E 30N 1/W MARSHALL 29N 5E 29N 4E 29N 3E 29N 2E 29N 1E LIVINGSTON The Springfield Coal underlies about two thirds the Illinois River. The **Coal Thickness** Map Explanation Pennsylvanian Stratigraphic Column coal is thin or absent of Illinois as well as portions of western Indiana 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 the margins of the Illinois Basin and reaches a and extreme north-**Underground 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. ern portions of the and private sources and have varying degrees of completeness and accuracy. They (See Fig 1. and Fig 2.) The Springfield Coal is in coal field. (Modified present interpretations of the geology of the area and are based on available data. Surface Mine the Carbondale formation which is part of the However, these interpretations are based on data that may vary with respect to accuracy from ISGS Pub. IM Briar Hill Coal Canton 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) St. David Limestone Turner Mine Shale St. David Limestone Turner Mine Shale 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. Springfield Coal called the Turner Mine shale, but in southeastern Avail. w/ potential restr. Illinois, in a belt several miles wide that trends Excello Shale Houchin Creek Coal Contoured features less than 7 million square feet (about 1/2 mile square) in area <28 inches southwestward, the coal is thick and is overlain may not be accurately portrayed or resolved. This data set provides a large-scale

12.5

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-

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 \mathbf{T} he Springfield Coal has been mined in Illinois for well over 100 years. The

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

tons occur in thicknesses greater than 66 inches thick.

41% of the original Springfield thickest resources of Springfield Coal in Illinois are found in the central part of **References**:

208.6

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.

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

Colchester Coal

28 to 42 inches

42 to 66 inches

>66 inches

Channel

Split Coal