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## Springfield Coal Sulfur DEWITT County

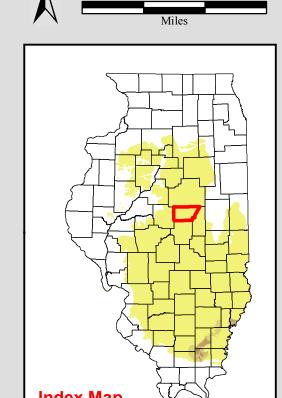
County Coal Map Series Andrew Louchios, Scott Elrick, Chris Korose, David Morse

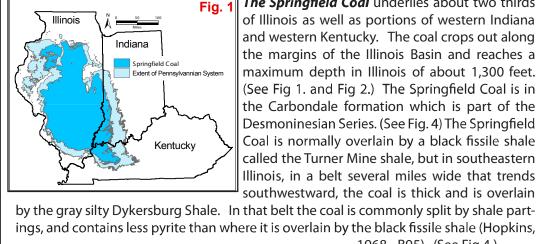
Map construction: October 29, 2009

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

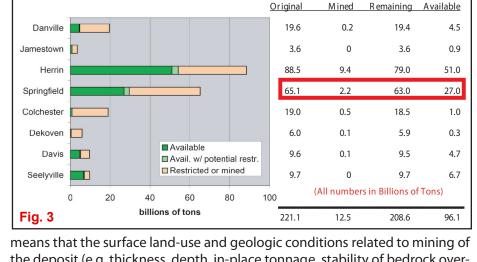
FORD 23N 4E 23N 3E 23N 6E 23N 5E 23N 1E 23N 1W 22N 4E MCLEAN 22N 3E 22N-2E-22N 5E 22N 1W Bellflower 21N 6E 21N 3E 21N 4E 21N 1Ę\_ Waynesville 20N 5E 20N 1E 20N-2E 20N 1W DEWITT De Land Greater than 2.50 (lb S per MM Btu) <u>LOGAN</u> 19N 6E 19N 5E 19N 4E 19N 3E 19N 1W PIATT 18N 6E 18N 5E 18N 3E 18N 2E 18N 1E -18N-1W lvesdale MACON 17N 5E 17N 6E 17N12E 17N 1E SANGAMON Harristown Illiopolis 16N 6E 16N 5É 16N 16N 3E 16N 1W Fig. 1 The Springfield Coal underlies about two thirds the Illinois River. The Fig. 4 Pennsylvanian Stratigraphic Column **Map Explanation** 





of Illinois as well as portions of western Indiana and western Kentucky. The coal crops out along the margins of the Illinois Basin and reaches a 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

968 - B95). (See Fig 4.) **T**he original resource of of Illinois totals 65.1 billion tons, of which 2.2 billion have 41% of the original Springfield thickest resources of Springfield Coal in Illinois are found in the central part of



the deposit (e.g. thickness, depth, in-place tonnage, stability of bedrock overburden) 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 tons occur in thicknesses greater than 66 inches thick. been mined. Approximately **T**he Springfield Coal has been mined in Illinois for well over 100 years. The

he southwestern extreme north- portions of the	Northern and Western Members and Beds Anna Shale  Herrin Coal Spring Lake Coal Bed Big Creek Sandstone Vermillionville Sandstone	Members and Bec Anna Shale Herrin Coal
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portions of the	Herrin Coal Spring Lake Coal Bed Big Creek Sandstone	Herrin Coal
Briar Hill Coal Canton Shale St. David Limestone Turner Mine Shale Dykersburg Shale Springfield Coal Hanover Limestone Excello Shale Houchin Creek Coal Roodhouse Coal Pleasantview Sandstone Survant Coal Oak Grove Limestone	Canton Shale St. David Limestone Turner Mine Shale  Springfield Coal Covel Conglomerate Hanover Limestone Excello Shale Houchin Creek Coal Breezy Hill Limestone Kerfon Creek Coal Pleasantview Sandstone  Lowell Coal Oak Grove Limestone Mecca Quarry Shale Jake Creek Sandstone Fractis Ceek Sandstone Fractis Ceek Sandstone Fractis Coal Browning Sandstone Abingdon Coal Bed Label Sandstone Abingdon Coal Bed Isabel Sandstone	Briar Hill Coal Canton Shale St. David Limestone Turner Mine Shale Springfield Coal  Excello Shale Houchin Creek Coal Pleasantview Sandstone Survant Coal Mecca Quarry Shale Colchester Coal
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**Coal Sulfur** 

Less than or equal to 0.40 (lb S per MM Btu)

0.41 to 0.60 (lb S per MM Btu)

0.61 to 0.83 (lb S per MM Btu)

0.84 to 1.24 (lb S per MM Btu)

1.25 to 1.67 (lb S per MM Btu)

1.68 to 2.50 (lb S per MM Btu)

Greater than 2.50 (lb S per MM Btu)

Coal resources, 27 billion tons, the state around the city of Springfield and in the southeastern part of the state - 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 along the Galatia Channel. Recent and historical mining of the coal has been 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 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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