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## Springfield Coal Thickness SANGAMON 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: http://www.isgs.illinois.edu/maps-data-pub/coal-maps/county-index.shtml

present interpretations of the geology of the area and are based on available data.

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

These data are not intended for use in site-specific screening or decision-making.

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

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basis of the information presented here.

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

**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

**Underground Mine** 

Insufficient data

<28 inches

28 to 42 inches

42 to 66 inches

>66 inches

Channel

Split Coal

Briar Hill Coal Canton Shale St. David Limestone Turner Mine Shale

Excello Shale Houchin Creek Coal

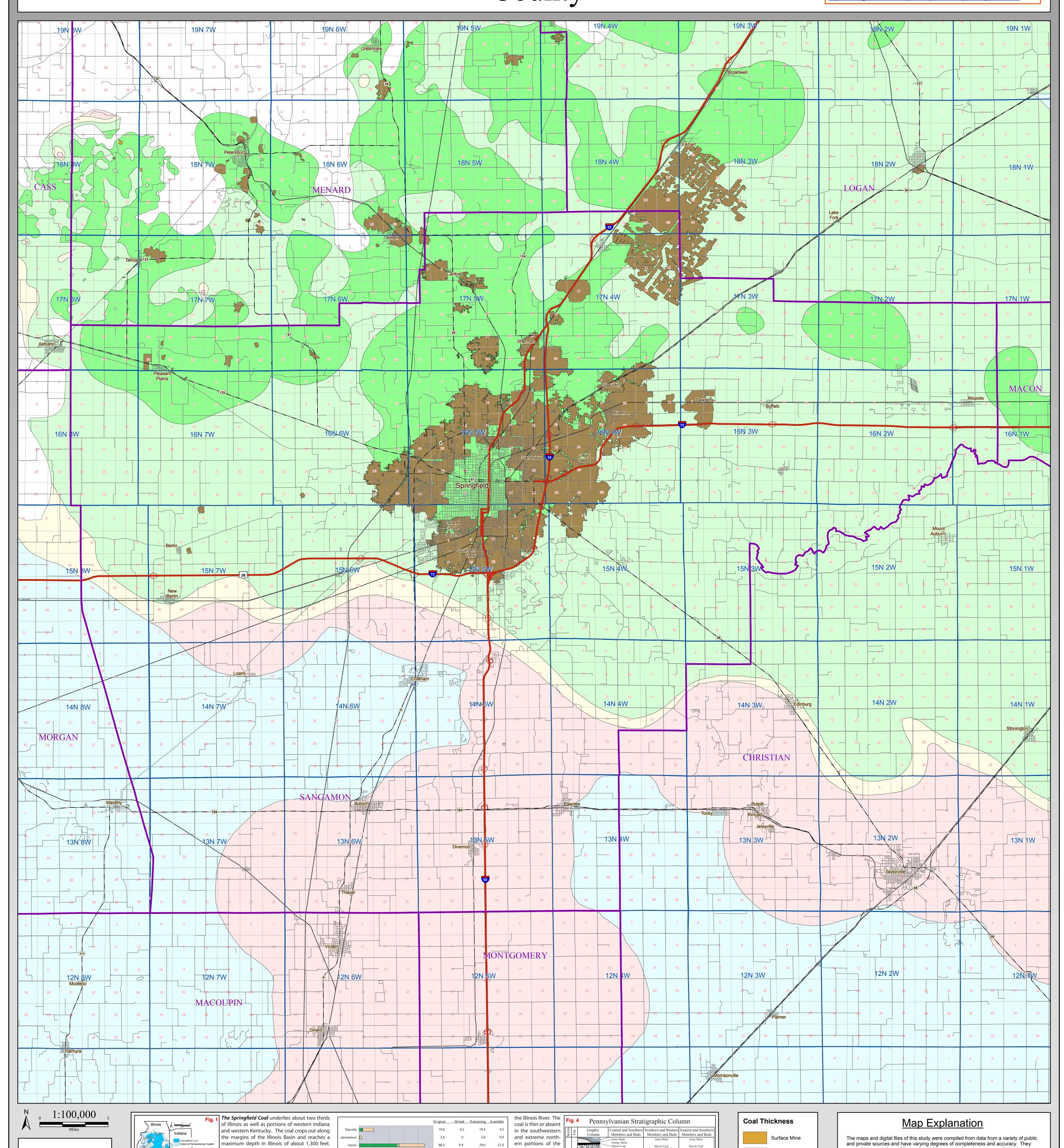
Colchester Coal

Canton Shale St. David Limestone Turner Mine Shale

Hanover Limestone Excello Shale Houchin Creek Coal Breezy Hill Limestone Kerfon 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



coal field. (Modified

from ISGS Pub. IM

118, Treworgy, et al)

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.

(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

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,

southwestward, the coal is thick and is overlain

tons, of which 2.2 billion have