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## Springfield Coal Depth WARREN County

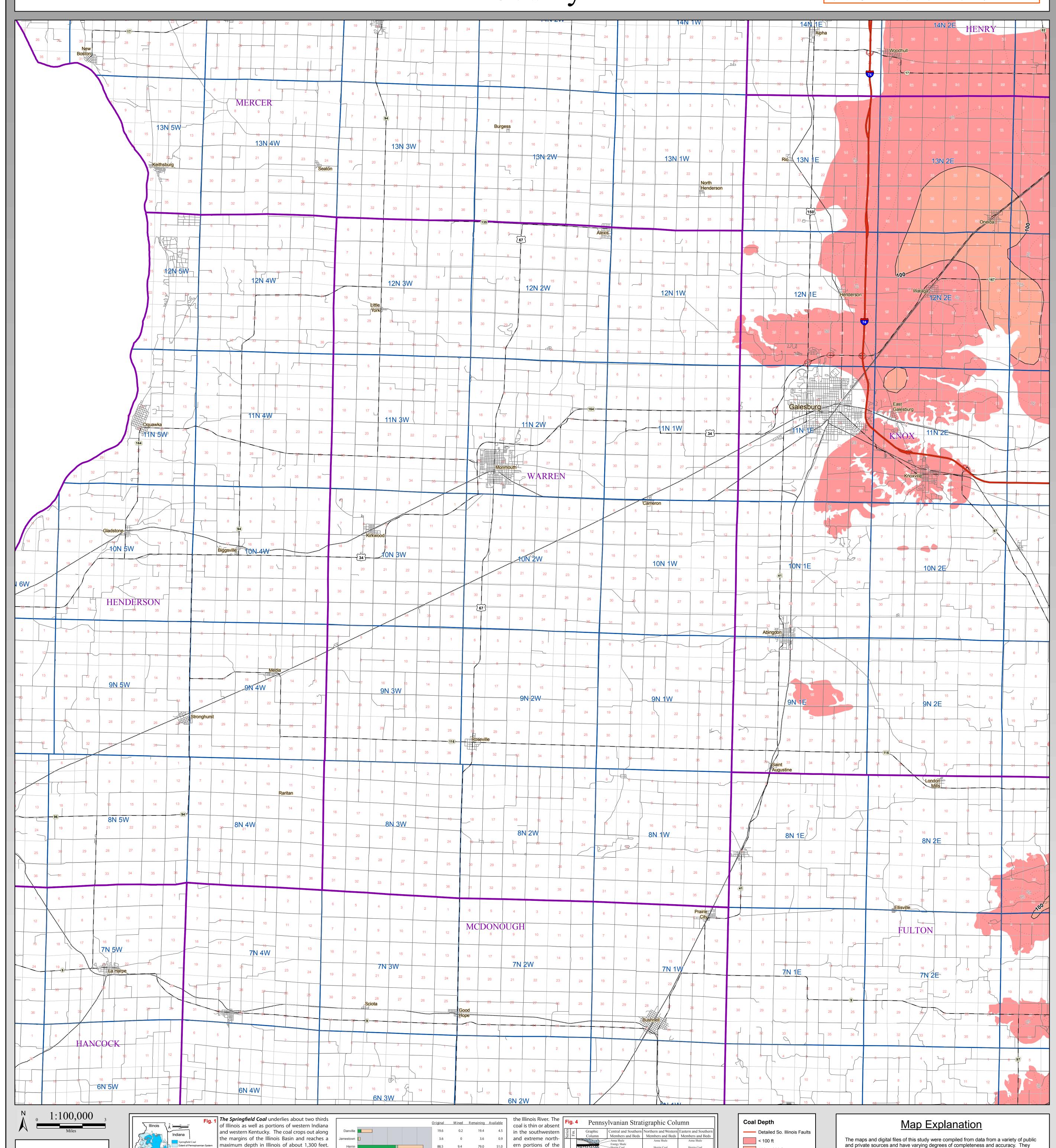
County Coal Map Series Andrew Louchios, Scott Elrick,

Map construction: October 26, 2009

Chris Korose, David Morse

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



means that the surface land-use and geologic conditions related to mining of 800 to 900 ft the deposit (e.g. thickness, depth, in-place tonnage, stability of bedrock over-900 to 1000 ft 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 1000 to 1100 ft of Illinois totals 65.1 billion tons occur in thicknesses greater than 66 inches thick. 1100 to 1200 ft 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 tons, of which 2.2 billion have 1200 to 1300 ft been mined. Approximately  $\mathbf{T}$ he Springfield Coal has been mined in Illinois for well over 100 years. The

coal field. (Modified

from ISGS Pub. IM

118, Treworgy, et al)

Avail. w/ potential restr

12.5

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.

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

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

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

(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

1968 - B95). (See Fig 4.)

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

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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.

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** 

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

100 to 200 ft

200 to 300 ft

300 to 400 ft

400 to 500 ft

500 to 600 ft

600 to 700 ft

700 to 800 ft

1300 to 1400 ft

1400 to 1500 ft

1500 to 1600 ft

Canton Shale St. David Limestone Turner Mine Shale

St. David Limestone Turner Mine Shale

Excello Shale

Lowell Coal

- Treworgy, C.G., C.P. Korose, C.A. Chenoweth, and D.L. North, 1999a, Availability of the Springfield