Springfield Coal Elevation CUMBERLAND County

County Coal Map Series

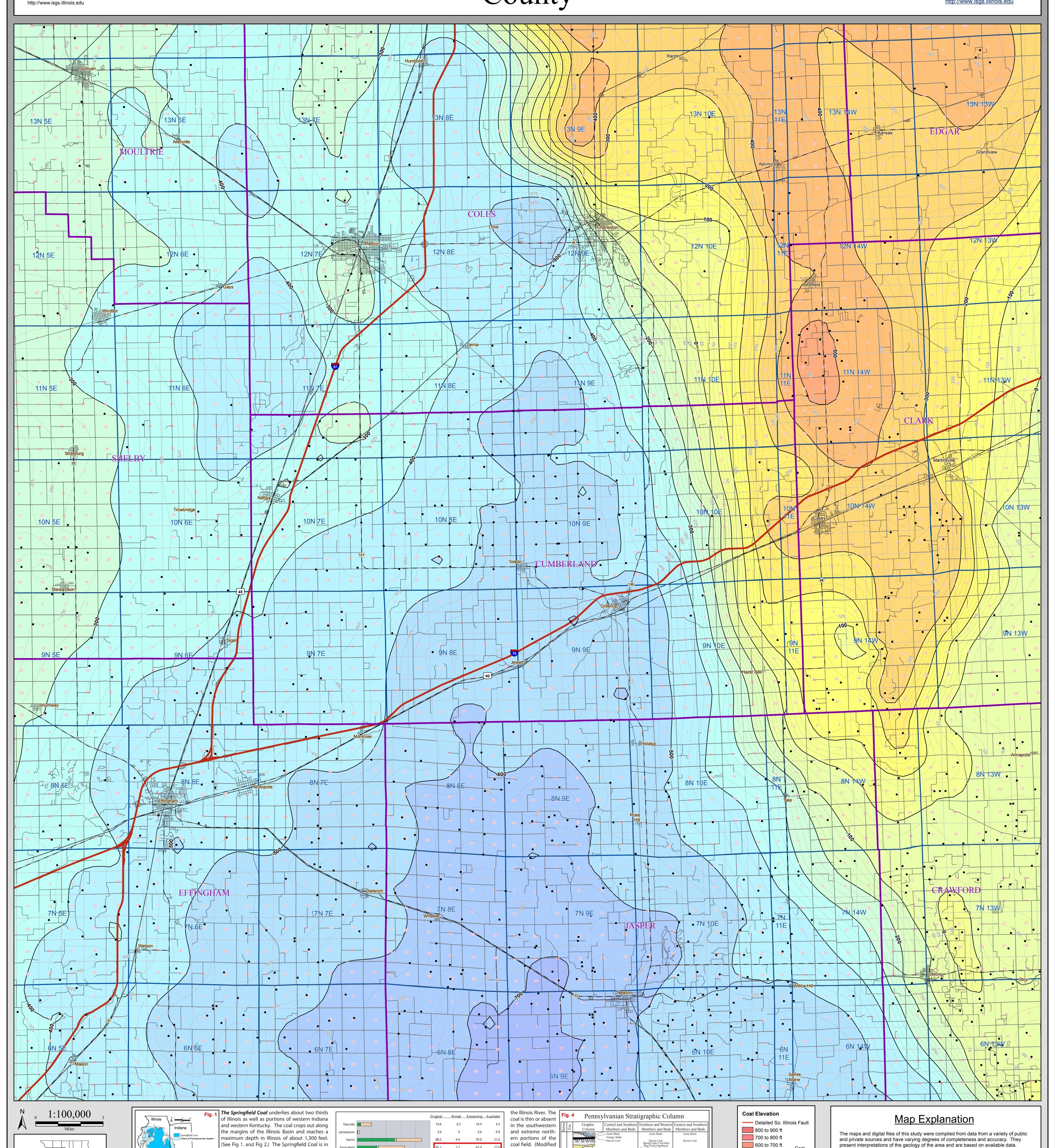
ISGS Coal Section

Map construction: May, 2015

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



from ISGS Pub. IM

118, Treworgy, et al)

Avail. w/ potential res

■ Restricted or mined

The original resource of burden) are comparable to other coals currently being mined in the state. Of

tons occur in thicknesses greater than 66 inches thick.

Springfield Coal in the State these resources, 23 billion tons occur in coal 42 to 66 inches thick and 4 billion

been mined. Approximately The Springfield Coal has been mined in Illinois for well over 100 years. The

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

mining (See Fig 3.). Available concentrated in these areas and in shallow surface minable deposits west of

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 state around the city of Springfield and in the southeastern part of the state

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

12.5 208.6

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.)

of Illinois totals 65.1 billion

tons, of which 2.2 billion have

41% of the original Springfield

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,

North-south cross section of the Pennsylvanian System in Illinois

Index Map

<u>Disclaimer</u>

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 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

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.

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

500 to 600 ft

400 to 500 ft

300 to 400 ft

200 to 300 ft

100 to 200 ft

-100 to 0 ft

-200 to -100 ft

-300 to -200 ft

-400 to -300 ft

-500 to -400 ft

-600 to -500 ft

-700 to -600 ft

-800 to -700 ft

-900 to -800 ft

< -900 ft

0 to 100 ft

Lowell Coal

- Handbook of Illinois Stratigraphy, 1975, Illinois State Geological Survey Bulletin 95, 261p.

Coal for mining in Illinois: Illinois State Geological Survey Illinois Minerals 118, 43 p.

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

Colchester Coal

elevation

data point

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