ILLINOIS AT URBANA-CHAMPAIGN 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 http://www.isgs.illinois.edu

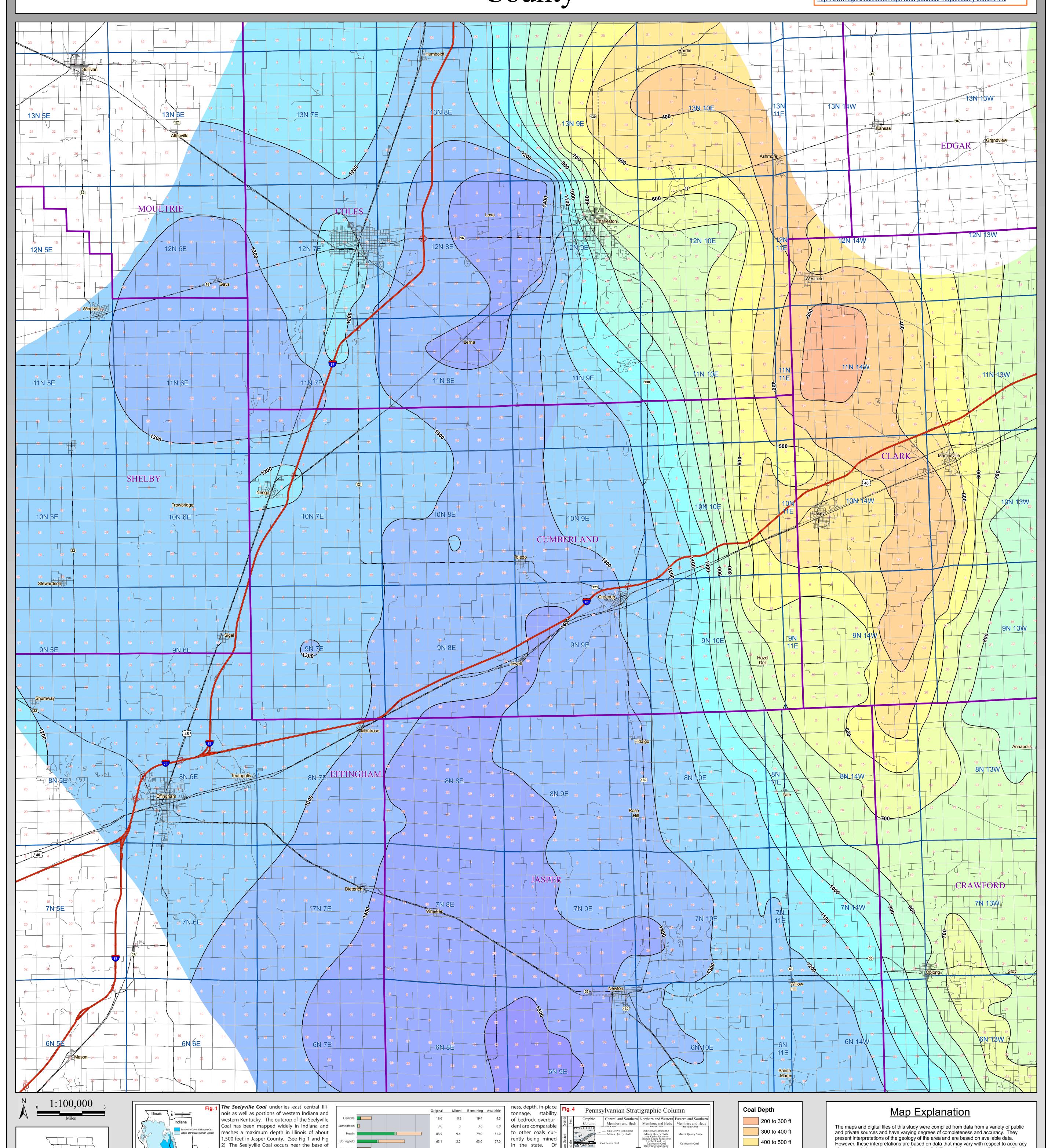
Seelyville Coal Depth CUMBERLAND County

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

Map construction: October 26, 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



these resources, 4.8

billion tons are 42

to 66 inches thick

and 1.9 billion tons

are greater than 66

inches thick. (Mod-

fied from ISGS Pub.

able. The Davis Coal is usubillion tons. Approximately 69% of the original resources, 6.7 billion tons, are

western Kentucky: IIIIIIII Solidie Geological Survey, Circular 307, 27 p.

- Christopher P. Korose, Colin G. Treworgy, Russell J. Jacobson, and Scott D. Elrick, 2002, Availability of the Danville,

ally overlain by about 5 feet of considered available for mining (See Fig 3). Available means that the surface considered available for mining in Selected Areas of Illinois: Illinois: State Geological Survey

■ Avail. w/ potential restr.

Greenbush coals in North and local areas being gray silty shale or siltstone. In southeastern Illinois, a parting IM 124, Korose, et.al)

marine black shale, with some land-use and geologic conditions related to mining of the deposit (e.g. thick- Illinois Minerals 124, 44 p.

occurs in the Dekoven Coal, producing a lower split called the lower Dekoven

Coal that is usually less than 28 inches thick. This lower split lies a few inches

■ Restricted or mined

The Dekoven Coal is typically below the main Dekoven Coal seam in the southern portion of mapped Dekoverlain by gray silty shale oven Coal area and up to 40 feet below in the north. (Modified from ISGS Pub.

These units are laterally vari- The original resources of the Seelyville Coal in the State of Illinois totals 9.7

the Carbondale formation which is part of the

Desmoninesian Series (See Fig 4). In Indiana,

the Seelyville Coal has been extensively mined.

Jacobson (1987) found the Dekoven Coal and un-

Western Illinois (See Fig 4).

massive, thick sandstone.

and siltstone or in places by IM 124, Korose, et.al)

derlying Davis Coal to be equivalent to the upper and lower benches of the Seelyville

Coal. The Dekoven and Davis coals are also thought to be correlative to the Wiley and

orth-south cross section of the Pennsylvanian System in Illinois

Disclaimer

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.

500 to 600 ft

600 to 700 ft

700 to 800 ft

800 to 900 ft

900 to 1000 ft

1000 to 1100 ft

1100 to 1200 ft

1200 to 1300 ft

1300 to 1400 ft

1400 to 1500 ft

1500 to 1600 ft

Greenbush Coal Wiley Coal

- Jacobson, R.J., 1987, Stratigraphic correlations of the Seelyville, Dekoven, and Davis Coals of Illinois, Indiana, and

western Kentucky: Illinois State Geological Survey, Circular 539, 27 p.

Carrier Mills Shale

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