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Seelyville Coal Elevation SHELBY County

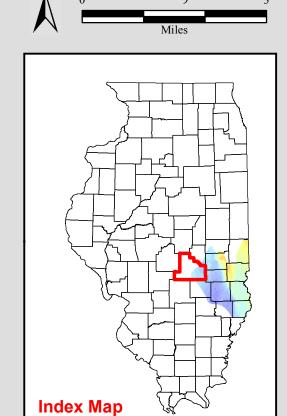
County Coal Map Series Andrew Louchios, Scott Elrick, Chris Korose, David Morse

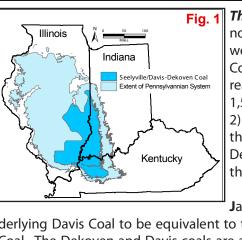
Map construction: November 03, 2009

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

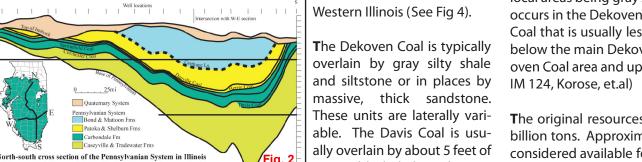
Mount DOUGLAS 15N 2E 115N 7E⁵ 15N 5E 15N 1E 15N 1W Lovington 14N 7E 14N 1E 14N 6E 14N 5E 14N 1W 14N 3E 14N 4E MOULTRI _CHRISTIAN_ 13N 7E 13N 5E 13N 1E 13N 1W 13N 2E 13N 3E 13N 4E COLES 12N 6E 12N 5E 12N 1E 12N 4E 12N 2E SHELBY 11N 6E 11N 5E 11N 3E 11N 1W 11N 2E Lakewood MONTGOMERY Stewardson 9N 7E 9N 1E 8N 4E Fig. 1 The Seelyville Coal underlies east central Illiness, depth, in-place **Coal Elevation Map Explanation** Pennsylvanian Stratigraphic Column nois as well as portions of western Indiana and





western Kentucky. The outcrop of the Seelyville Coal has been mapped widely in Indiana and reaches a maximum depth in Illinois of about 1,500 feet in Jasper County. (See Fig 1 and Fig 2) The Seelyville Coal occurs near the base of 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 underlying 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 Western Illinois (See Fig 4).



Avail. w/ potential restr. ■ Restricted or mined

Greenbush coals in North and local areas being gray silty shale or siltstone. In southeastern Illinois, a parting 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 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 able. The Davis Coal is usu-billion tons. Approximately 69% of the original resources, 6.7 billion tons, are ally overlain by about 5 feet of considered available for mining (See Fig 3). Available means that the surface marine black shale, with some land-use and geologic conditions related to mining of the deposit (e.g. thick-

Central and Southern Northern and Western Eastern and Southern Members and Beds Members and Beds of bedrock overburden) are comparable to other coals currently being mined in the state. Of these resources, 4.8 billion tons are 42 to 66 inches thick Greenbush Coal Wiley Coal and 1.9 billion tons Carrier Mills Shale inches thick. (Modfied from ISGS Pub.

- 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. - Christopher P. Korose, Colin G. Treworgy, Russell J. Jacobson, and Scott D. Elrick, 2002, Availability of the Danville, Jamestown, Dekoven, Davis, and Seelyville Coals for mining in Selected Areas of Illinois: Illinois State Geological Survey

800 to 900 ft 700 to 800 ft 600 to 700 ft 500 to 600 ft 400 to 500 ft 300 to 400 ft 200 to 300 ft 100 to 200 ft 0 to 100 ft -100 to 0 ft -200 to -100 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

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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