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http://www.isgs.illinois.edu

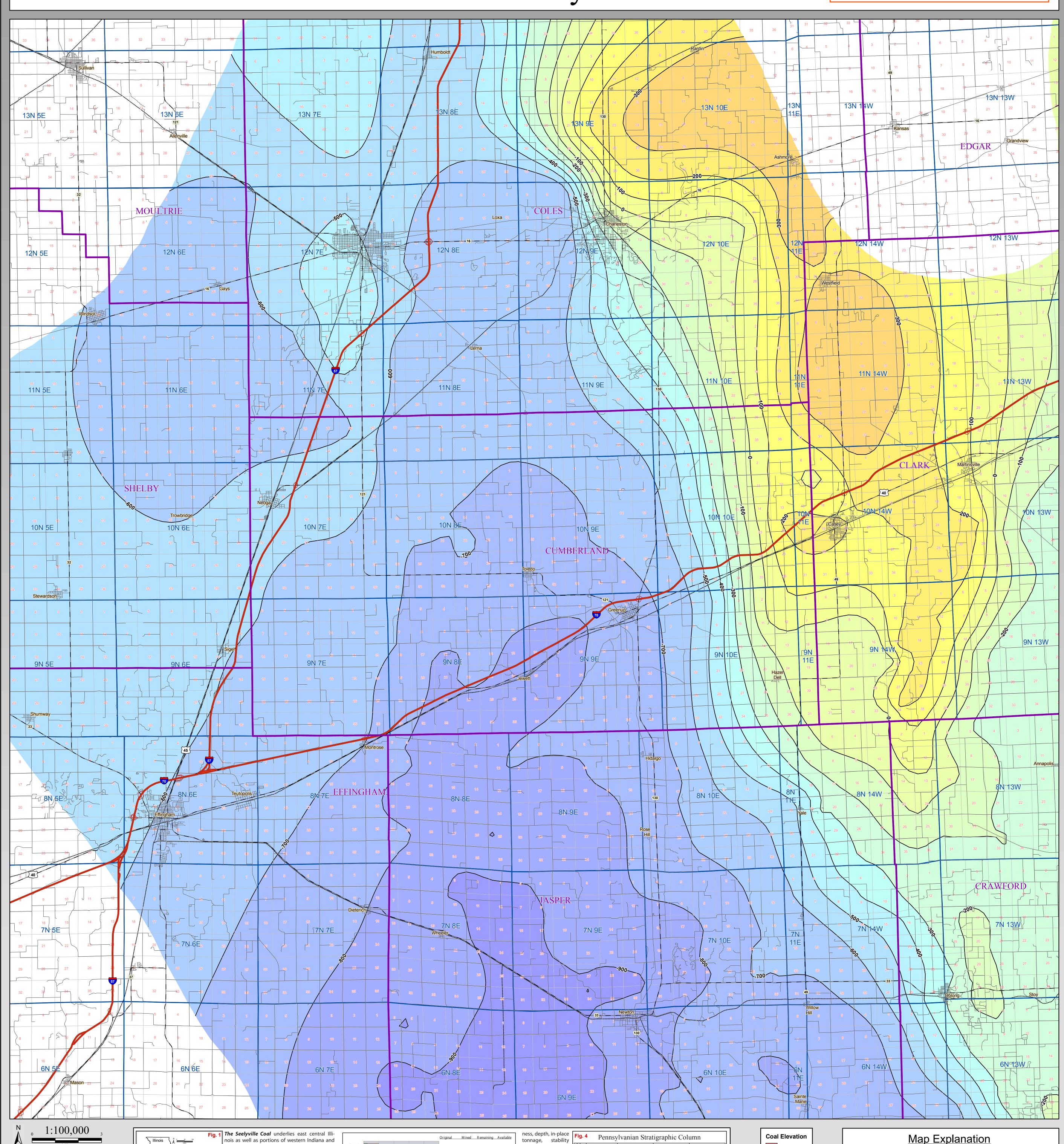
## Seelyville Coal Elevation CUMBERLAND County

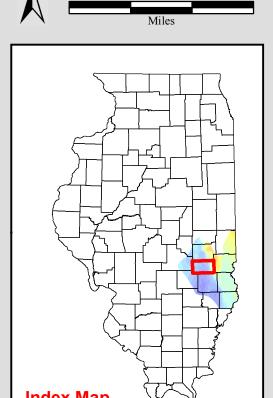
County Coal Map Series Andrew Louchios, Scott Elrick, Chris Korose, David Morse

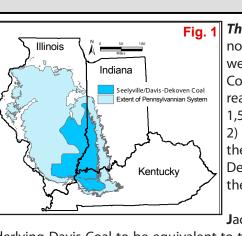
Map construction: November 03, 2009

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



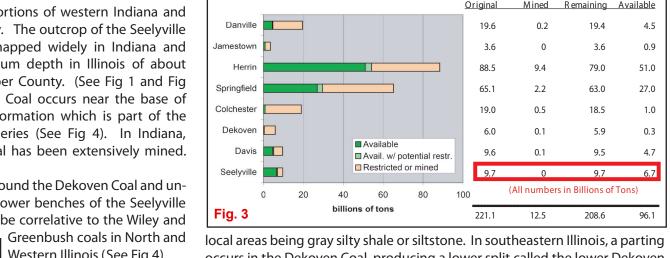




nois as well as portions of western Indiana and western Kentucky. The outcrop of the Seelyville Coal has been mapped widely in Indiana and reaches a maximum depth in Illinois of about 1,500 feet in Jasper County. (See Fig 1 and Fig 2) The Seelyville Coal occurs near the base of the Carbondale formation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

and siltstone or in places by IM 124, Korose, et.al) massive, thick sandstone. orth-south cross section of the Pennsylvanian System in Illinois



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- Illinois Minerals 124, 44p.

tonnage, stability	rig. ²		Pennsylvanian Stratigraphic Column			
of bedrock overbur-	Series	Fm.	Graphic		Northern and Western	
den) are comparable	Se	Ŧ	Column	Members and Beds	Members and Beds	Members and Beds
to other coals currently being mined in the state. Of these resources, 4.8 billion tons are 42 to 66 inches thick and 1.9 billion tons are greater than 66 inches thick. (Modfied from ISGS Pub. IM 124, Korose, et.al)	Desmoinesian Series	Tradewater Carbondale	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Oak Grove Limestone Mecca Quarry Shale  Colchester Coal  Palzo Sandstone  Dekoven Coal Davis Coal Vergennes Sandstone  Seahorne Limestone Carrier Mills Shale Stonefort Limestone Wise Ridge Coal Bed  Mt. Rorah Coal Bed Creal Springs Limestone Murphysboro Coal  Mitchellsville Limestone New Burnside Coal Delwood Coal	Oak Grove Limestone Mecca Quarry Shale Jake Creek Sanstone Francis Creek Sandstone Cardiff Coal Bed Colchester Coal Browning Sandstone Abingdon Coal Bed Isabel Sandstone  Greenbush Coal Wiley Coal  Seahorne Limestone  De Long Coal  Brush Coal	Mecca Quarry Shale  Colchester Coal  Seelyville Coal  Carrier Mills Shale
References:						

References:
- 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**

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.

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