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Dekoven Coal Thickness WABASH County

County Coal Map Series Andrew Louchios, Scott Elrick,

Chris Korose, David Morse Map construction: October 27, 2009

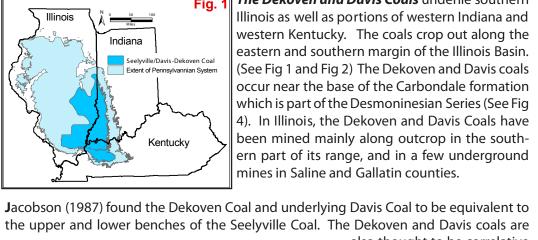
This product is under review and may not meet the standards of the Illinois State Geological Survey.

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

RICHLAND 3N 11W 3N-12W 3N 14W <u>3N 13W</u> LAWRENCE ⊞Ca<mark>lhoun</mark> 2N 11W 2N 12W 2N 13W 2N 14W 2N 2N 10E Francisville 1N-11W 1N 12W 1N 13W 1N 14W 1N 10E 1N 9E **Mount** 11E WABASH 1S\13W 1\$ 14W 1S 10E 1S-9E-11E WAYNE EDWARDS 2S 11E 2S 10E 2S 9E 2S 14W 5S 10E 5S 14W Fig. 1 The Dekoven and Davis Coals underlie southern (See Fig 3). Avail-

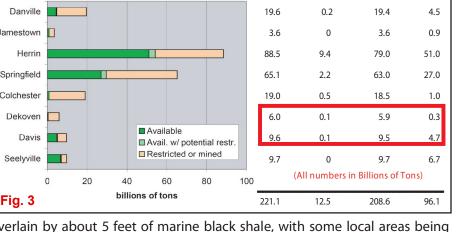


Index Map



been mined mainly along outcrop in the southern part of its range, and in a few underground mines in Saline and Gallatin counties.

linois (See Fig 4). overlain by gray silty shale and siltstone or in places by massive, thick sandstone. **T**he original resources of Dekoven and Davis coals in the State of Illinois totals These units are laterally vari- 15.6 billion tons, 0.2 billion of which have been mined. Approximately 32%



also thought to be correlative overlain by about 5 feet of marine black shale, with some local areas being 4.7 billion tons are to the Wiley and Greenbush gray silty shale or siltstone. In southeastern Illinois, a parting occurs in the 42 to 66 inches thick coals in North and Western II- Dekoven Coal, producing a lower split called the lower Dekoven Coal that is and 0.2 billion tons usually less than 28 inches thick. This lower split lies a few inches below the are greater than 66 main Dekoven Coal seam in the southern portion of mapped Dekoven Coal inches thick. (Mod-The Dekoven Coal is typically area and up to 40 feet below in the north. (Modified from ISGS Pub. IM 124, fied from ISGS Pub. IM 124, Korose, et.al) Korose, et.al)

related to mining of the deposit (e.g. thickness, depth, in-place tonnage, stability of bedrock overburden) are Greenbush Coal Wiley Coal comparable to other coals currently being Carrier Mills Shale - Carrier Mills Shale mined in the state. Wise Ridge Coal Bed Of these resources, Creal Springs Limestone References:

able means that the

surface land-use and

geologic conditions

- 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 of the original resources, 5 billion tons, are considered available for mining Illinois Minerals 124, 44 p.

Pennsylvanian Stratigraphic Column

Central and Southern Northern and Western Eastern and Southern Members and Beds Members and Beds Members and Beds

Dekoven Coal Thickness Surface Mine **Underground Mine** Insufficient data <28 inches 28 to 42 inches 42 to 66 inches >66 inches Channel

Split Coal

Map Explanation 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.

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