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## Davis/Dekoven Coal Depth PERRY 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

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.

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

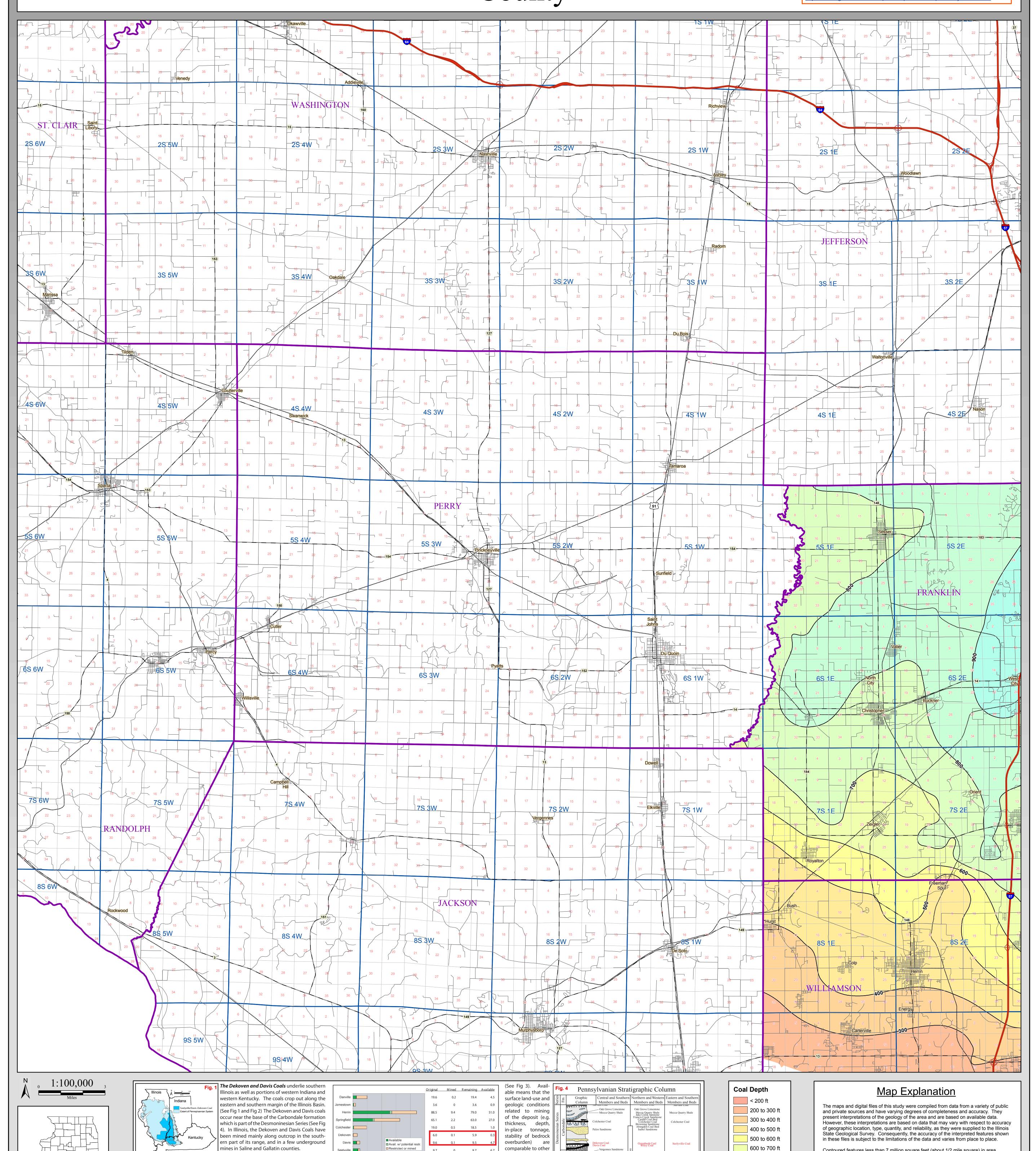
data set and accept no liability for the consequences of decisions made by others on the

conceptual model of the geology of the area on which to base further work.

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

basis of the information presented here.



coals currently being

mined in the state.

Of these resources,

Creal Springs Limestone

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

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

- 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

Carrier Mills Shale

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

mines in Saline and Gallatin counties.

linois (See Fig 4).

and siltstone or in places by

overlain by gray silty shale Korose, et.al)

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

■Restricted or mined

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

able. The Davis Coal is usually of the original resources, 5 billion tons, are considered available for mining Illinois Minerals 124, 44 p.

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)

also thought to be correlative overlain by about 5 feet of marine black shale, with some local areas being

massive, thick sandstone. The 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%