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

Dekoven Coal Thickness HAMILTON 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

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

These data are not intended for use in site-specific screening or decision-making.

Disclaimer

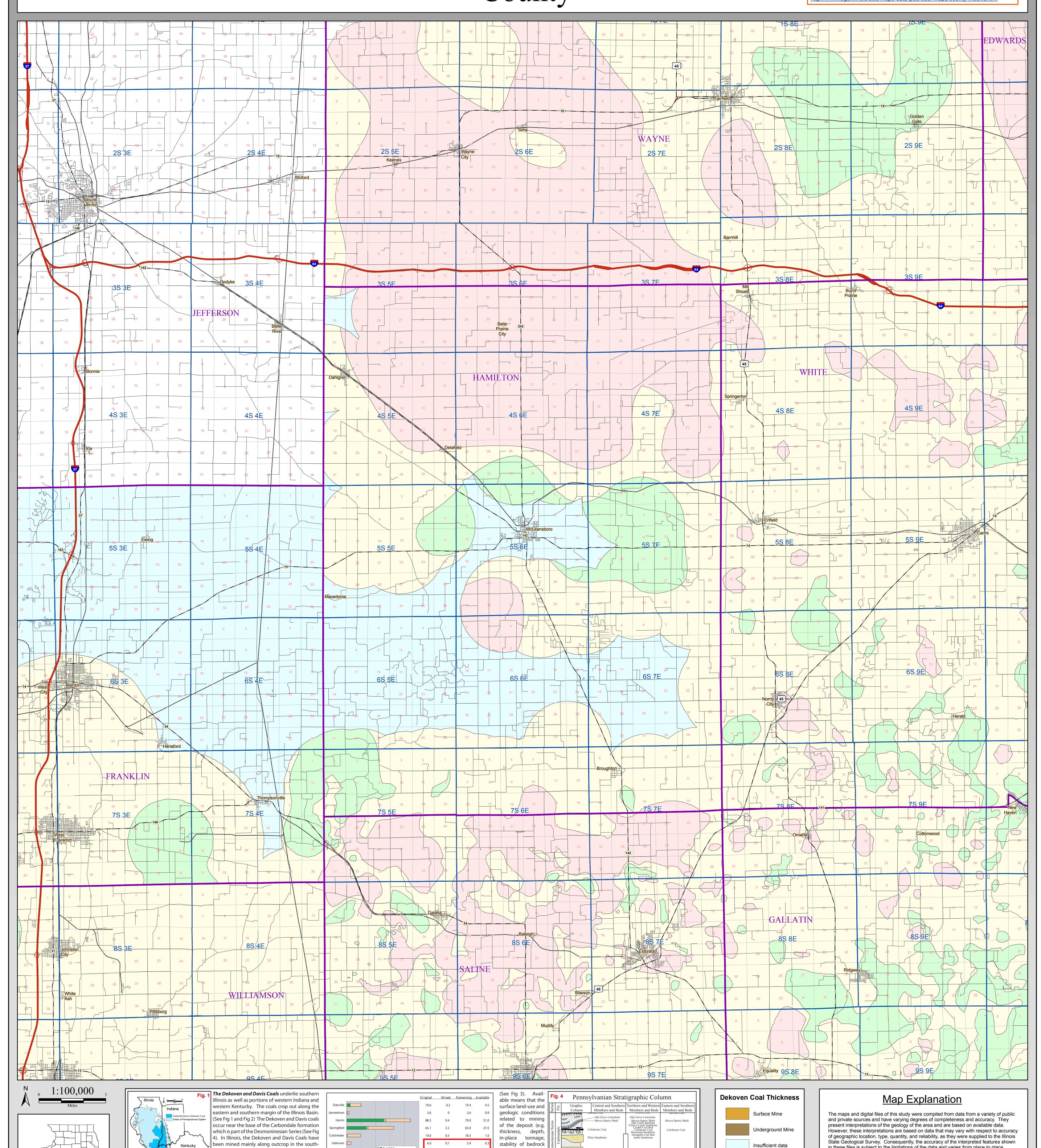
The Illinois State Geological Survey and the University of Illinois make no guarantee, expressed or implied, regarding the correctness of the interpretations presented in this

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.

© 2009 Board of Trustees of the University of Illinois. All rights reserved.

basis of the information presented here.



overburden)

References:

comparable to other

coals currently being

Of these resources,

■ Avail. w/ potential restr

also thought to be correlative overlain by about 5 feet of marine black shale, with some local areas being 4.7 billion tons are

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-

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

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)

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

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%

■ Restricted or mined

Greenbush Coal Wiley Coal

Carrier Mills Shale

- Carrier Mills Shale

Wise Ridge Coal Bed

- 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

Creal Springs Limestone

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

<28 inches

28 to 42 inches

42 to 66 inches

>66 inches

Channel

Split Coal

ern part of its range, and in a few underground

linois (See Fig 4).

overlain by gray silty shale

and siltstone or in places by

Korose, et.al)

mines in Saline and Gallatin counties.

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

Index Map