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

Herrin Coal Chlorine STARK County

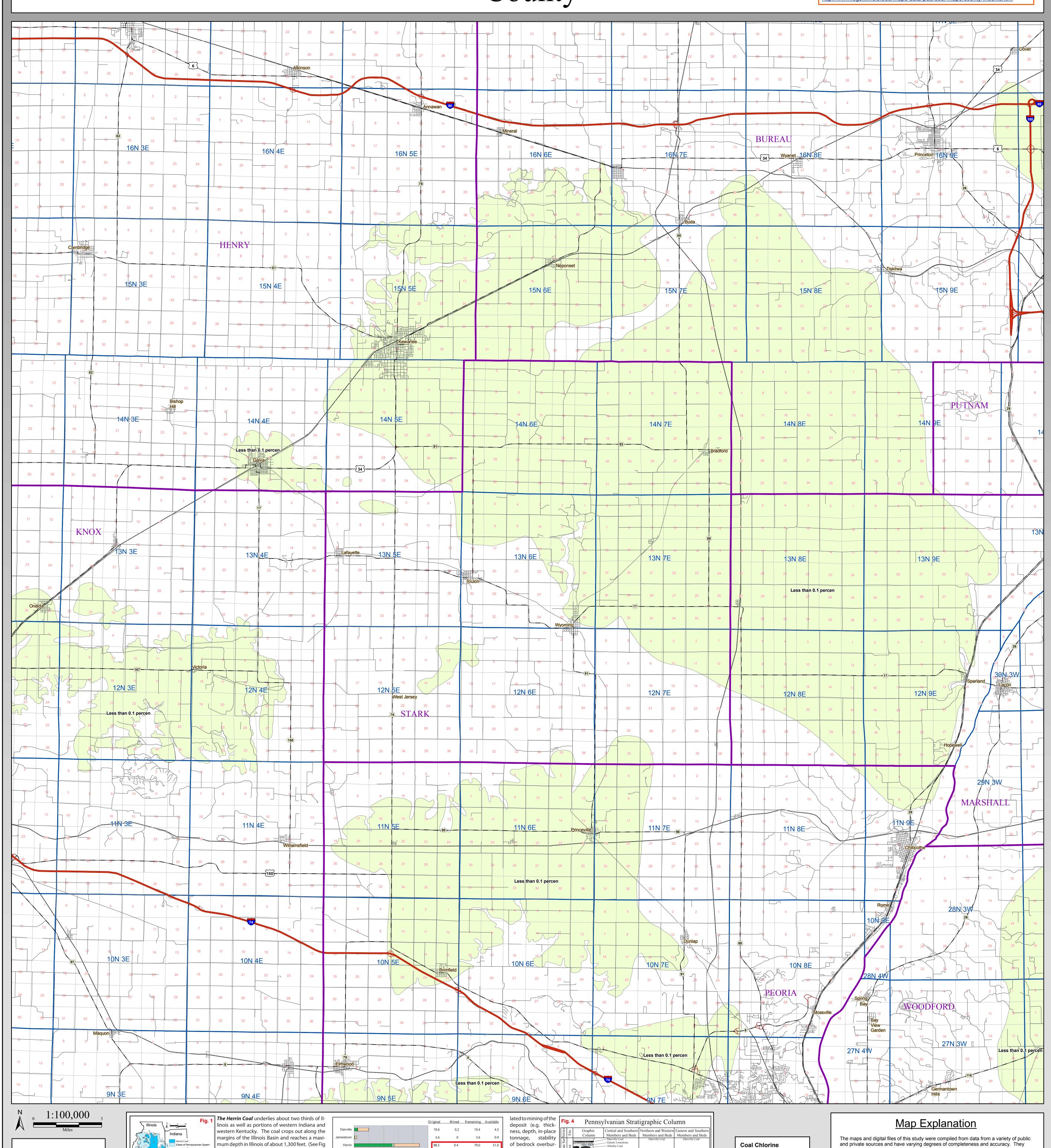
County Coal Map Series Andrew Louchios, Scott Elrick,

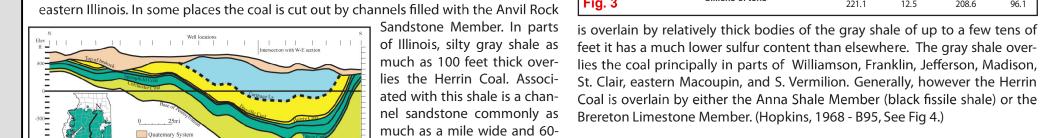
Chris Korose, David Morse

Map construction: October 29, 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





orth-south cross section of the Pennsylvanian System in Illinois

southern, and northern Illinois, as well as in the southern part of the Danville region of

. and Fig 2.) The Herrin Coal is a normal bright-

banded coal. Its lower portion contains a promi-

nent claystone parting (the "blue band") that nor-

mally is 1-3 inches thick. It averages more than 6

feet thick in extensive areas and locally reaches

15 feet. It is thin in much of central Illinois but has

been extensively mined in western, west-central,

■ Avail. w/ potential restr ■ Restricted or mined 12.5 208.6 Sandstone Member. In parts is overlain by relatively thick bodies of the gray shale of up to a few tens of greater than 66 inchof Illinois, silty gray shale as feet it has a much lower sulfur content than elsewhere. The gray shale over- es. (Modified from

80 feet thick mapped as Anvil The original resource of Herrin Coal in the State of Illinois totals 88.5 billion References:

Rock Sandstone and may be tons, of which 9.4 billion have been mined. Approximately 58% of the original

contemporaneous with the Herrin Coal resources, 51 billion tons, are considered available for mining. (See

coal. In areas where the coal Fig 3.) Available means that the surface land-use and geologic conditions re-

tons occur in coal 42 to 66 inches thick and 30 billion tons occur in thicknesses much as 100 feet thick over- lies the coal principally in parts of Williamson, Franklin, Jefferson, Madison, ISGS Pub. IM 120, lies the Herrin Coal. Associ- St. Clair, eastern Macoupin, and S. Vermilion. Generally, however the Herrin Treworgy, et al)

den) are comparable

to other coals cur-

rently being mined

in the state. Of these

resources, 21 billion

Se	١.	×××××××××××××××××××××××××××××××××××××××	Galum Limestone		
Siar	ur.	XX XXX	—— Allenby Coal Bankston Fork Limestone		Bankston Fork Limestone
Desmoinesian	Shelburn		Anvil Rock Sandstone Conant Limestone Jamestown Coal	Copperas Creek Sandstone Lawson Shale	Anvil Rock Sandstone — Conant Limestone — Jamestown Coal
Series D	Carbondale		Brereton Limestone Anna Shale Energy Shale	Brereton Limestone Anna Shale	Brereton Limestone Anna Shale
		***************************************	Herrin Coal	Herrin Coal Spring Lake Coal Bed Big Creek Sandstone Vermillionville Sandstone	Herrin Coal
		XXXXXXX	Briar Hill Coal Canton Shale	Canton Shale	Briar Hill Coal Canton Shale
nesia			St. David Limestone Turner Mine Shale	St. David Limestone Turner Mine Shale	St. David Limestone Turner Mine Shale
Desmoinesian		8,8,8,9	Dykersburg Shale Springfield Coal	Springfield Coal Covel Conglomerate	Springfield Coal
		XXXXXXXXXX	Hanover Limestone Excello Shale Houchin Creek Coal	Hanover Limestone Excello Shale Houchin Creek Coal	Excello Shale Houchin Creek Coal
			Roodhouse Coal Pleasantview Sandstone	Breezy Hill Limestone Kerton Creek Coal Pleasantview Sandstore	Pleasantview Sandstone

- Handbook of Illinois Stratigraphy, 1975, Illinois State Geological Survey Bulletin 95, 261p.

Coal for mining in Illinois: Illinois State Geological Survey Illinois Minerals 120, 54 p.

- Treworgy, C.G., C.P. Korose, C.A. Chenoweth, and D.L. North, 1999a, Availability of the Herrin

Less than 0.1 % 0.1 to 0.2 % 0.2 to 0.3 % 0.3 to 0.4 % 0.4 to 0.5 % 0.5 to 0.6 %

Greater than 0.6 %

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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