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Herrin Coal Depth CALHOUN

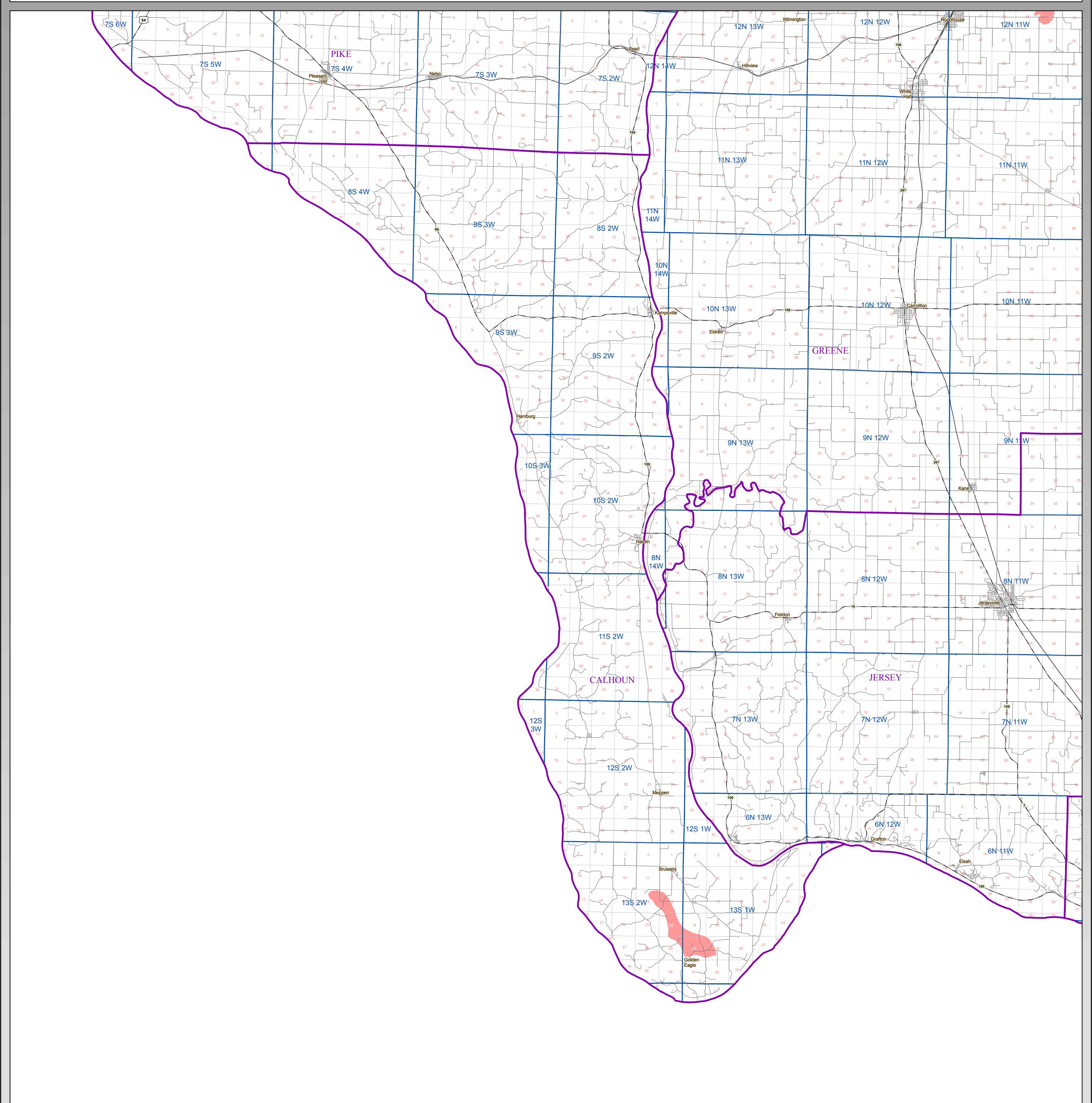
County Coal Map Series Andrew Louchios, Scott Elrick,

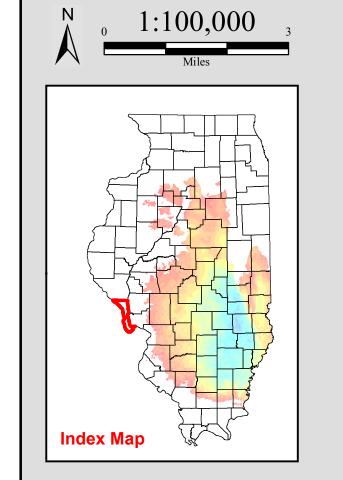
Chris Korose, David Morse Map construction: October 26, 2009

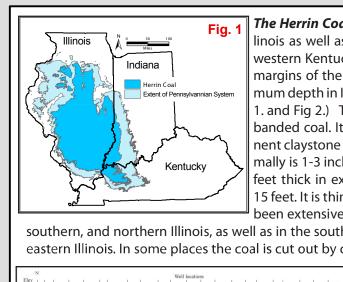
This product is under review and may not meet the

standards of the Illinois State Geological Survey.

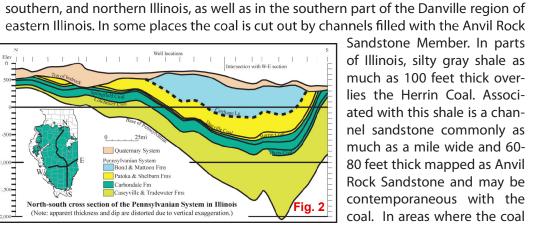
County County coal maps and select quadrangle maps available as downloadable PDF files at: http://www.isgs.illinois.edu/maps-data-pub/coal-maps/county-index.shtml 12N 12W 12N 11W

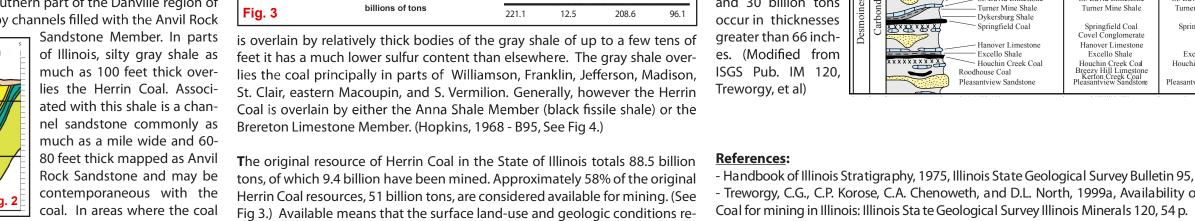


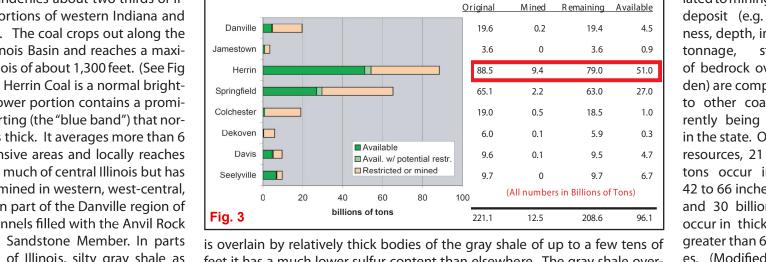




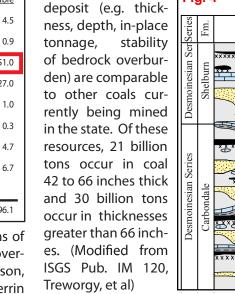
The Herrin Coal underlies about two thirds of Illinois as well as portions of western Indiana and western Kentucky. The coal crops out along the margins of the Illinois Basin and reaches a maximum depth in Illinois of about 1,300 feet. (See Fig 1. and Fig 2.) The Herrin Coal is a normal brightbanded coal. Its lower portion contains a prominent claystone parting (the "blue band") that normally 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,







of Illinois, silty gray shale as feet it has a much lower sulfur content than elsewhere. The gray shale over- es. (Modified much as 100 feet thick over- lies the coal principally in parts of Williamson, Franklin, Jefferson, Madison, ISGS Pub. IN lies the Herrin Coal. Associ- St. Clair, eastern Macoupin, and S. Vermilion. Generally, however the Herrin Treworgy, et a ated with this shale is a chan- Coal is overlain by either the Anna Shale Member (black fissile shale) or the nel sandstone commonly as Brereton Limestone Member. (Hopkins, 1968 - B95, See Fig 4.)



lated to mining of the Fig. 4

als cur-	ΠĔ	∞	\sim	.Conant Limestone ——	Lawson Shale
mined	Desmo			Jamestown Coal	
Of these				Brereton Limestone Anna Shale Energy Shale	Brereton Limestone Anna Shale
1 billion	ş		\$*\$\$\$	Herrin Coal	Herrin Coal Spring Lake Coal Bed
in coal	Series			Briar Hill Coal	Big Creek Sandstone Vermillionville Sandsto
nes thick		<u>o</u>	XXXXXXX	Canton Shale	Canton Shale
on tons	Desmoinesian	Carbondale		St. David Limestone Turner Mine Shale	St. David Limestone Turner Mine Shale
knesses	noi	arbo		Dykersburg Shale Springfield Coal	Springfield Coal
66 inch-	lesi	Ű	8x8x8x8	Springheid Coar	Covel Conglomerate
d from				Hanover Limestone Excello Shale	Hanover Limestone Excello Shale
IM 120,			XXXXXXXXXX	Houchin Creek Coal Roodhouse Coal	Houchin Creek Coal Breezy Hill Limestone Kerton Creek Coal Pleasantview Sandston
al)				Pleasantview Sandstone	Pleasantview Sandston

Rock Sandstone and may be tons, of which 9.4 billion have been mined. Approximately 58% of the original - Handbook of Illinois Stratigraphy, 1975, Illinois State Geological Survey Bulletin 95, 261p. - Treworgy, C.G., C.P. Korose, C.A. Chenoweth, and D.L. North, 1999a, Availability of the Herrin

Pennsylvanian Stratigraphic Column							
Graphic	Central and Southern	Northern and Western	Eastern and Southern				
Column	Members and Beds	Members and Beds	Members and Beds				
XXXX	Danville Coal Galum Limestone Allenby Coal Bankston Fork Limestone	Danville Coal	Danville Coal Bankston Fork Limestone				
YYY	Anvil Rock Sandstone Conant Limestone Jamestown Coal	Copperas Creek Sandstone Lawson Shale	Anvil Rock Sandstone — Conant Limestone — Jamestown Coal Brereton Limestone Anna Shale Herrin Coal Briar Hill Coal Canton Shale St. David Limestone Turner Mine Shale				
	Brereton Limestone Anna Shale Energy Shale	Brereton Limestone Anna Shale					
XXXXXXX	Herrin Coal Briar Hill Coal Canton Shale St. David Limestone Turner Mine Shale Dykersburg Shale	Herrin Coal Spring Lake Coal Bed Big Creek Sandstone Vermillionville Sandstone Canton Shale St. David Limestone Turner Mine Shale					
	Springfield Coal Hanover Limestone Excello Shale Houchin Creek Coal Roodhouse Coal Pleasantview Sandstone	Springfield Coal Covel Conglomerate Hanover Limestone Excello Shale Houchin Creek Coal Breezy Hill Limestone Kerton Creek Coal Pleasantview Sandstone	Springfield Coal Excello Shale Houchin Creek Coal Pleasantview Sandstone				

Detailed So. Illinois Faults < 100 ft 100 to 200 ft 200 to 300 ft 300 to 400 ft 400 to 500 ft 500 to 600 ft 600 to 700 ft 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

Coal Depth

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

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.

in these files is subject to the limitations of the data and varies from place to place.

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

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