Illinois State Geological Survey 615 East Peabody Drive Champaign, Illinois 61820-6964

http://www.isgs.illinois.edu

(217) 333-4747

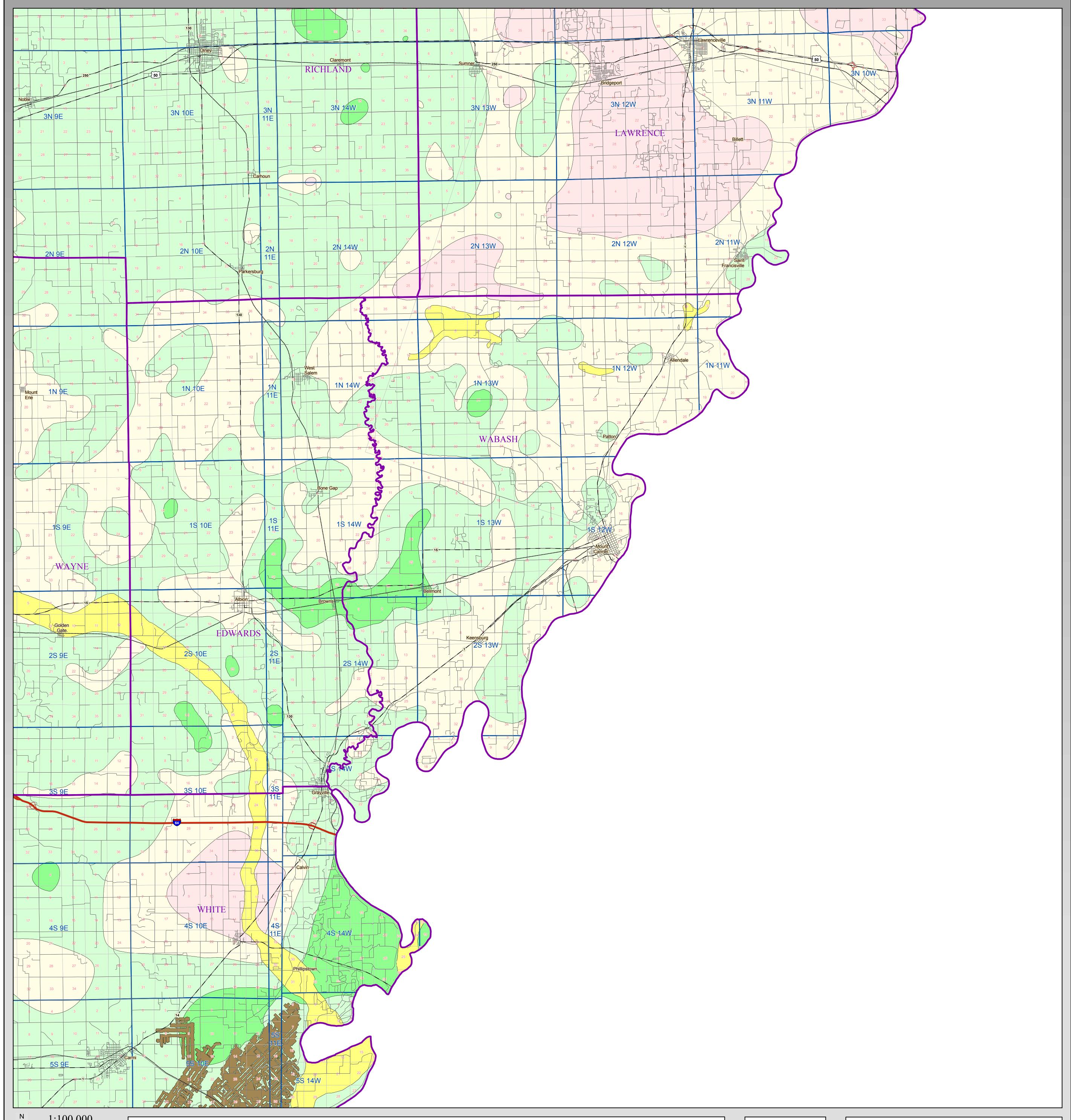
Herrin Coal Thickness WABASH County

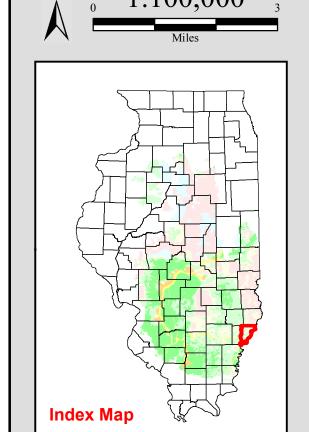
County Coal Map Series Andrew Louchios, Scott Elrick,

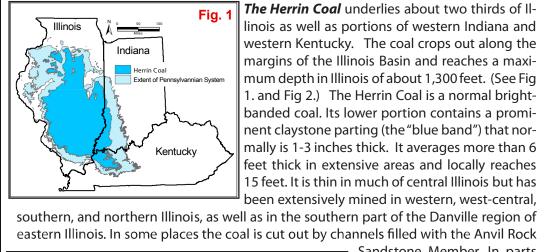
Chris Korose, David Morse Map construction: October 28, 2009

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

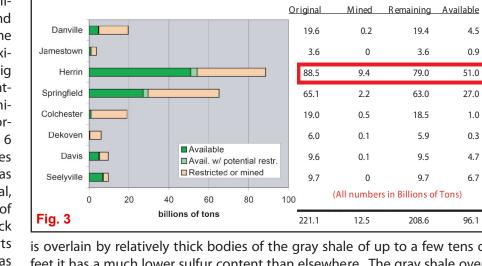






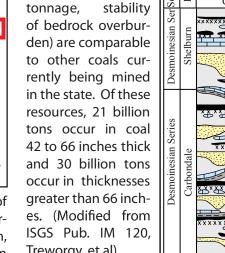
The Herrin Coal underlies about two thirds of Illinois as well as portions of western Indiana and western Kentucky. The coal crops out along the margins of the Illinois Basin and reaches a maximum depth in Illinois of about 1,300 feet. (See Fig I. and Fig 2.) The Herrin Coal is a normal brightbanded 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,

eastern Illinois. In some places the coal is cut out by channels filled with the Anvil Rock much as a mile wide and 60-North-south cross section of the Pennsylvanian System in Illinois



Sandstone Member. In parts is overlain by relatively thick bodies of the gray shale of up to a few tens of greater than 66 inc of Illinois, silty gray shale as feet it has a much lower sulfur content than elsewhere. The gray shale over- es. (Modified fro much as 100 feet thick over- lies the coal principally in parts of Williamson, Franklin, Jefferson, Madison, ISGS Pub. IM 12 lies the Herrin Coal. Associ- St. Clair, eastern Macoupin, and S. Vermilion. Generally, however the Herrin Treworgy, et al) 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.)

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



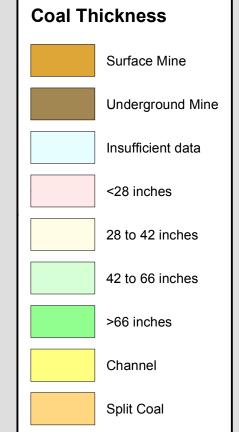
deposit (e.g. thick-

ness, depth, in-place

bility bur- able cur- ined Column Members and Beds Danville Coal	IICK						
Danville Coal	lace	ies	m.	Graphic	Central and Southern	Northern and Western	Eastern and Southern
Danville Coal	I	Sei	E	Column			
Bankston Fork Limestone Anvil Rock Sandstone Comant Limestone Lawson Shale Conant Limestone Lawson Shale Lawson Shale Lawson Shale Conant Limestone Lawson Shale Lawson Shale Conant Limestone Lawson Shale Lawson Shale Lawson Shale Conant Limestone Lawson Shale Laws	′ 1	Ser		×××××××××××××××××××××××××××××××××××××××	Galum Limestone	Danville Coal	Danville Coal
Brereton Limestone Anna Shale Anna Shale Energy Shale Herrin Coal Spring Lake Coal Bed Big Creek Sandstone Vermillionville Sandstone St. David Limestone Turner Mine Shale Springfield Coal Covel Conglomerate Hanover Limestone Excello Shale Excello Shale Excello Shale Excello Shale Houchin Creek Coal Houchin Creek Coal Houchin Creek Coal	able	nesia	lburi		•		Bankston Fork Limestone
Brereton Limestone Anna Shale Anna Shale Energy Shale Herrin Coal Spring Lake Coal Bed Big Creek Sandstone Vermillionville Sandstone St. David Limestone Turner Mine Shale Springfield Coal Covel Conglomerate Hanover Limestone Excello Shale Excello Shale Excello Shale Excello Shale Houchin Creek Coal Houchin Creek Coal Houchin Creek Coal	cur-	inoii	She				
Herrin Coal Spring Lake Coal Bed Big Creek Sandstone Vermillionville Sandstone Vermillionville Sandstone Vermillionville Sandstone Vermillionville Sandstone Vermillionville Sandstone Vermillionville Sandstone Vermillionville Sandstone Vermillionville Sandstone Vermillionville Sandstone Vermillionville Sandstone Vermillionville Sandstone St. David Limestone Turner Mine Shale Springfield Coal Covel Conglomerate Hanover Limestone Excello Shale Herrin Coal Spring Lake Coal Bed Big Creek Sandstone Vermillionville Sandstone St. David Limestone Turner Mine Shale Springfield Coal Covel Conglomerate Hanover Limestone Excello Shale Houchin Creek Coal Houchin Creek Coal Houchin Creek Coal	ined	Des				Brereton Limestone	***************************************
rom State Coal Bright Coal Canton Shale Spring Elake Coal Bed Big Creek Sandstone Canton Shale Canton Shale St. David Limestone Turner Mine Shale Springfield Coal Springfield Coal	nese					Anna Shale	Anna Shale
Turner Mine Shale St. David Limestone Turner Mine Shale Dykersburg Shale Springfield Coal Covel Conglomerate Hanover Limestone Excello Shale Excello Shale Houchin Creek Coal From Turner Mine Shale Springfield Coal Covel Conglomerate Hanover Limestone Excello Shale Houchin Creek Coal From Turner Mine Shale Springfield Coal Covel Conglomerate Hanover Limestone Excello Shale Houchin Creek Coal From Turner Mine Shale Springfield Coal Covel Conglomerate Hanover Limestone Excello Shale Houchin Creek Coal		ries		***************************************	Herrin Coal	Spring Lake Coal Bed Big Creek Sandstone	Herrin Coal
St. David Limestone Turner Mine Shale Springfield Coal Covel Conglomerate Hanover Limestone From St. David Limestone Turner Mine Shale Springfield Coal Covel Conglomerate Hanover Limestone Excello Shale Houchin Creek Coal From St. David Limestone Turner Mine Shale Springfield Coal Covel Conglomerate Hanover Limestone Excello Shale Houchin Creek Coal From St. David Limestone Turner Mine Shale Springfield Coal Covel Conglomerate Hanover Limestone Excello Shale Houchin Creek Coal From St. David Limestone Turner Mine Shale Springfield Coal Covel Conglomerate Hanover Limestone Excello Shale Houchin Creek Coal From St. David Limestone Turner Mine Shale Springfield Coal Covel Conglomerate Hanover Limestone Excello Shale Houchin Creek Coal	I						
rom Hanover Limestone Hanover Limestone Excello Shale Excello Shale Excello Shale Excello Shale Houchin Creek Coal Houc	IIICK	an	ıle				
rom Hanover Limestone Hanover Limestone Excello Shale Excello Shale Excello Shale Excello Shale Houchin Creek Coal Houc	tons l	esi	ρq				
rom Hanover Limestone Hanover Limestone Excello Shale Excello Shale Excello Shale Excello Shale Houchin Creek Coal Houc		Ϊ́Ξ	00 I			Turner Mine Shale	Turner Mine Snate
rom Hanover Limestone Hanover Limestone Excello Shale Excello Shale Excello Shale Excello Shale Houchin Creek Coal Houc		esmo	Cark	B.R.R.R.			Springfield Coal
Houchin Creek Coal Houchin Creek Coal Houchin Creek Coal	icii				Hanover Limestone	Hanover Limestone	
	rom						
Pleasantview Sandstone Rerfon Creek Coal Pleasantview Sandstone Pleasantview Sandstone	120			****		Houchin Creek Coal Breezy Hill Limestone	Houchin Creek Coal
	120,					Kerfon Creek Coal Pleasantview Sandstone	Pleasantview Sandstone
	•	-					

Pennsylvanian Stratigraphic Column

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



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.

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