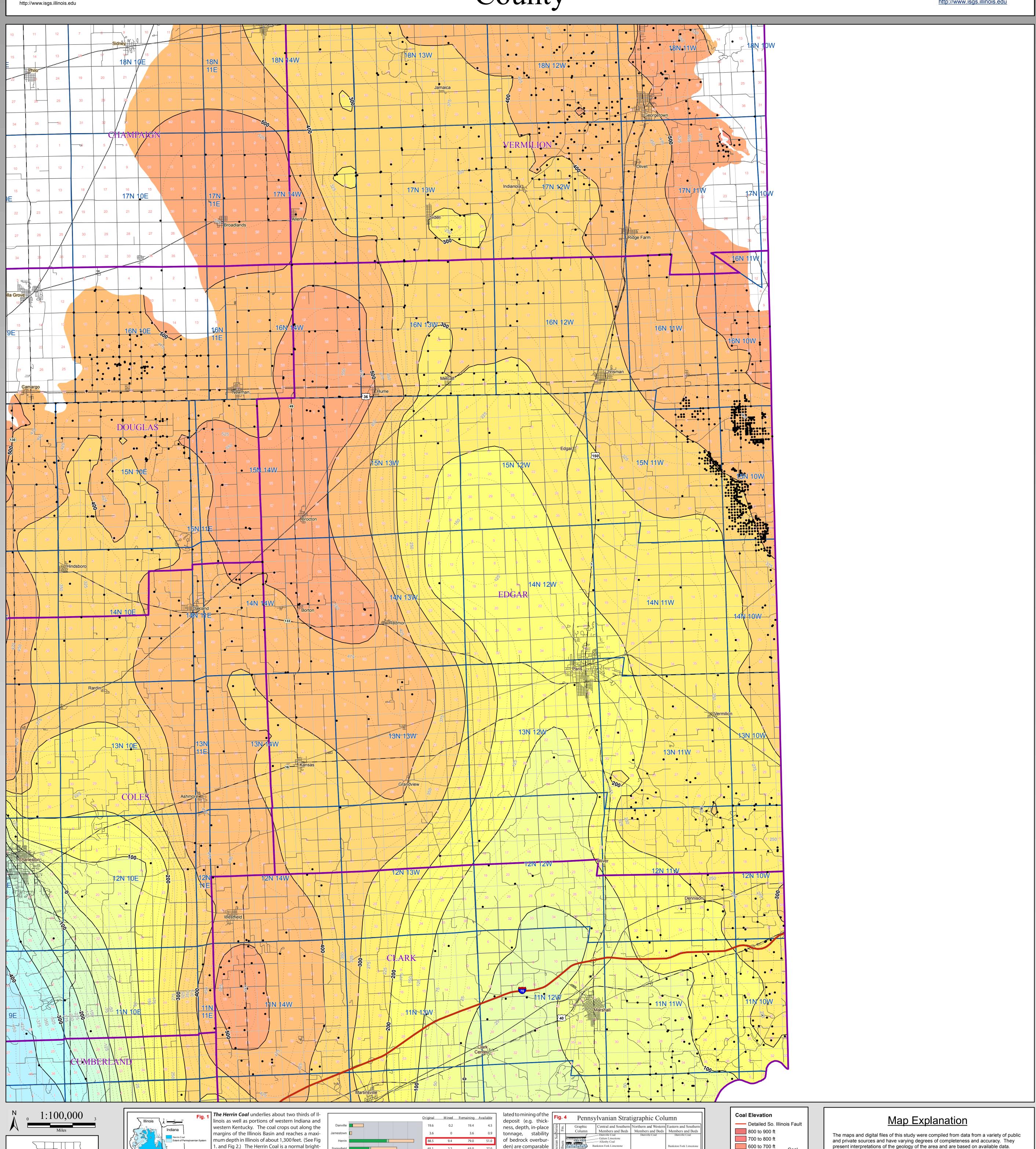
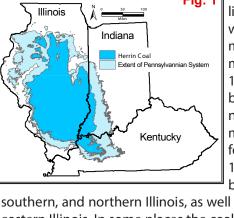
## Herrin Coal Elevation EDGAR County

County Coal Map Series ISGS Coal Section Map construction: May, 2015

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



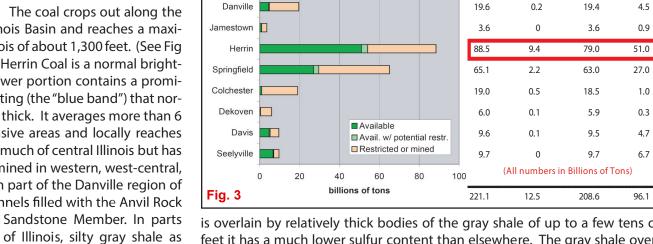


North-south cross section of the Pennsylvanian System in Illinois

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

much as a mile wide and 60-

been extensively mined in western, west-central, southern, and northern Illinois, as well as in the southern part of the Danville region of eastern Illinois. In some places the coal is cut out by channels filled with the Anvil Rock



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

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

	rently being mined	De		
0.3	in the state. Of these			₩
4.7	resources, 21 billion			×
s of ver- son, rrin the	tons occur in coal 42 to 66 inches thick and 30 billion tons occur in thicknesses	Desmoinesian Series	Carbondale	Za Z

to other coals cur-

		Column	Members and Beds	Members and Beds	Members and Beds
Г			Danville Coal	Danville Coal	Danville Coal
		×××××××××××××××××××××××××××××××××××××××	Galum Limestone		
	Ш	XXXXXX	—— Allenby Coal		
	pn	******	Bankston Fork Limestone		Bankston Fork Limestone
	Shelburn	XXXX	Anvil Rock Sandstone	Copperas Creek Sandstone	Anvil Rock Sandstone
	S		Conant Limestone ——	Lawson Shale	Conant Limestone
			Jamestown Coal		Jamestown Coal
			-Brereton Limestone	Brereton Limestone	Brereton Limestone
_			Anna Shale	Anna Shale	Anna Shale
			Energy Shale		
		**************************************		Herrin Coal	Herrin Coal
				Spring Lake Coal Bed	
				Big Čreek Sandstone Vermillionville Sandstone	
			Briar Hill Coal	veriminonvine Sandstone	Briar Hill Coal
	e	X X X X X X X X	Canton Shale	Canton Shale	Canton Shale
	JaJ		St. David Limestone	St. David Limestone	St. David Limestone
	)UC		Turner Mine Shale	Turner Mine Shale	Turner Mine Shale
	)q.		Dykersburg Shale		
	Carbondale	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Springfield Coal	Springfield Coal	Springfield Coal
				Covel Conglomerate	
			— Hanover Limestone	Hanover Limestone	
			Excello Shale	Excello Shale	Excello Shale
		XXXXXXXXX	Houchin Creek Coal	Houchin Creek Coal	Houchin Creek Coal
			Roodhouse Coal	Breezy Hill Limestone Kerton Creek Coal Pleasantview Sandstore	
			Pleasantview Sandstone	Pleasantview Sandstone	Pleasantview Sandstone

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

600 to 700 ft 500 to 600 ft elevation 400 to 500 ft data point 300 to 400 ft 200 to 300 ft 100 to 200 ft 0 to 100 ft -100 to 0 ft -200 to -100 ft -300 to -200 ft -400 to -300 ft -500 to -400 ft -600 to -500 ft

-700 to -600 ft

-800 to -700 ft

-900 to -800 ft

< -900 ft

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

## **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.

© 2015 Board of Trustees of the University of Illinois. All rights reserved.