Institute of Natural Resource Sustainablity

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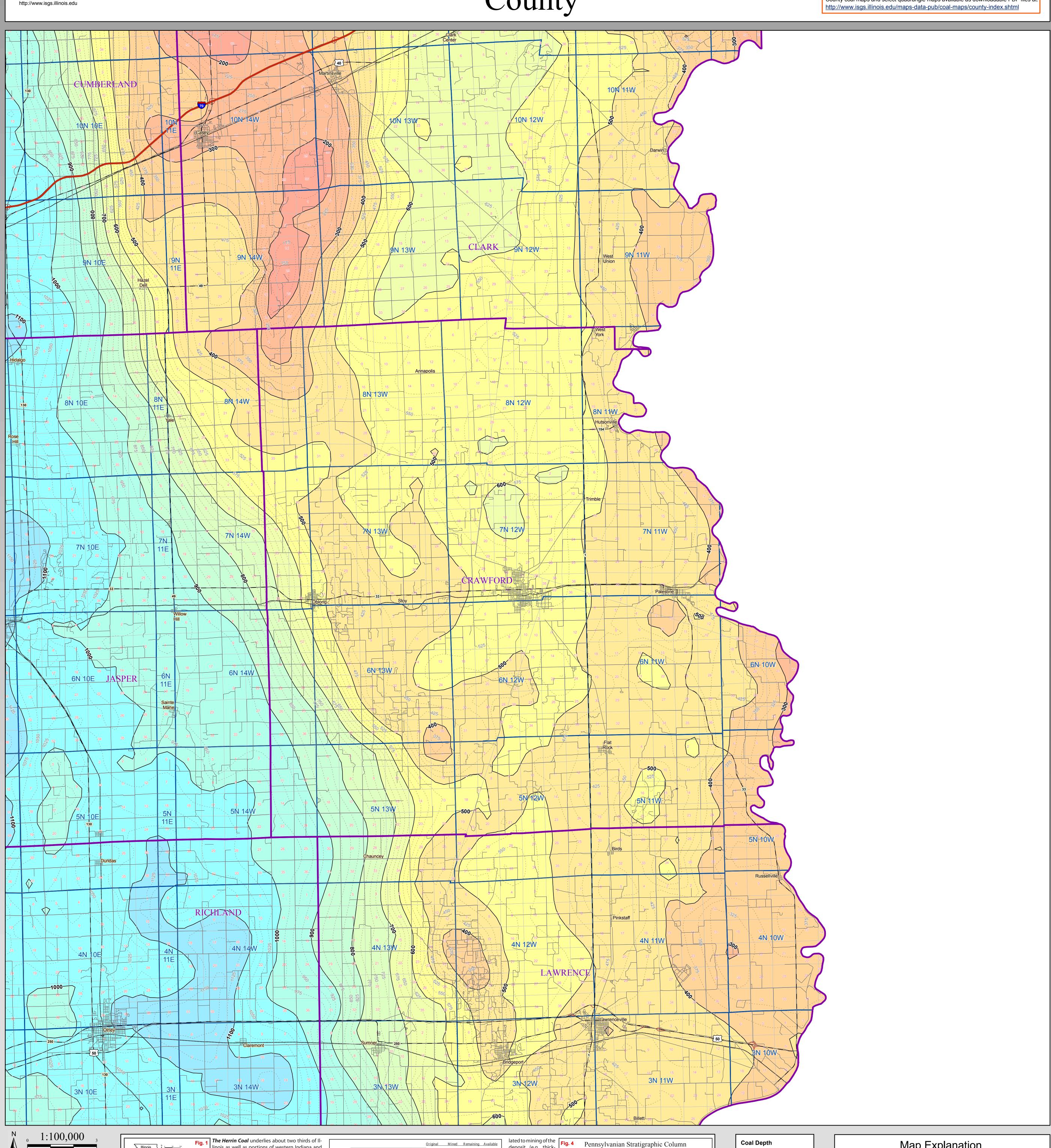
Herrin Coal Depth CRAWFORD County

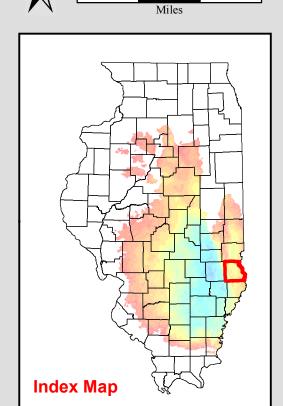
County Coal Map Series Andrew Louchios, Scott Elrick, Chris Korose, David Morse

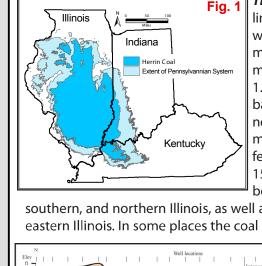
Map construction: October 26, 2009

This product is under review and may not meet the standards of the Illinois State Geological Survey.

County coal maps and select quadrangle maps available as downloadable PDF files at:

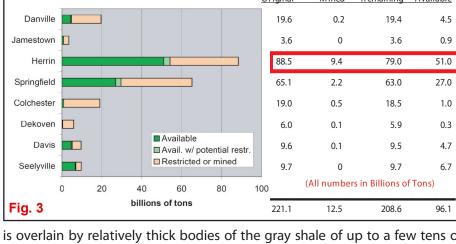




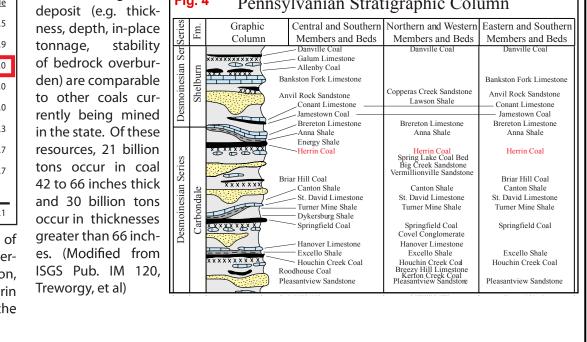


linois as well as portions of western Indiana and western Kentucky. The coal crops out along the margins of the Illinois Basin and reaches a maximum depth in Illinois of about 1,300 feet. (See Fig 1. and Fig 2.) The Herrin Coal is a normal brightbanded coal. Its lower portion contains a prominent claystone 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, 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 Sandstone Member. In parts of Illinois, silty gray shale as much as 100 feet thick overlies the Herrin Coal. Associated with this shale is a channel sandstone commonly as



	Sandstone Member. In parts of Illinois, silty gray shale as much as 100 feet thick overlies the Herrin Coal. Associated with this shale is a channel sandstone commonly as	is overlain by relatively thick bodies of the gray shale of up to a few ter feet it has a much lower sulfur content than elsewhere. The gray shale of lies the coal principally in parts of Williamson, Franklin, Jefferson, Madi St. Clair, eastern Macoupin, and S. Vermilion. Generally, however the He Coal is overlain by either the Anna Shale Member (black fissile shale) or Brereton Limestone Member. (Hopkins, 1968 - B95, See Fig 4.)	
	much as a mile wide and 60- 80 feet thick mapped as Anvil	The original resource of Herrin Coal in the State of Illinois totals 88.5 billion	
1	Deal Conduction of the	9	



- I	ner sanastone commonly as	brefeton Linestone Member. (Hopkins, 1906 - b93, see rig 4.)	
Fl	much as a mile wide and 60-		
	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.
	contemporaneous with the	Herrin Coal resources, 51 billion tons, are considered available for mining. (See	- Treworgy, C.G., C.P. Korose, C.A. Chenoweth, and D.L. North, 1999a, Availability of the Herrin
	coal. In areas where the coal		Coal for mining in Illinois: Illinois State Geological Survey Illinois Minerals 120, 54 p.

Coal Depth		
— 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

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

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