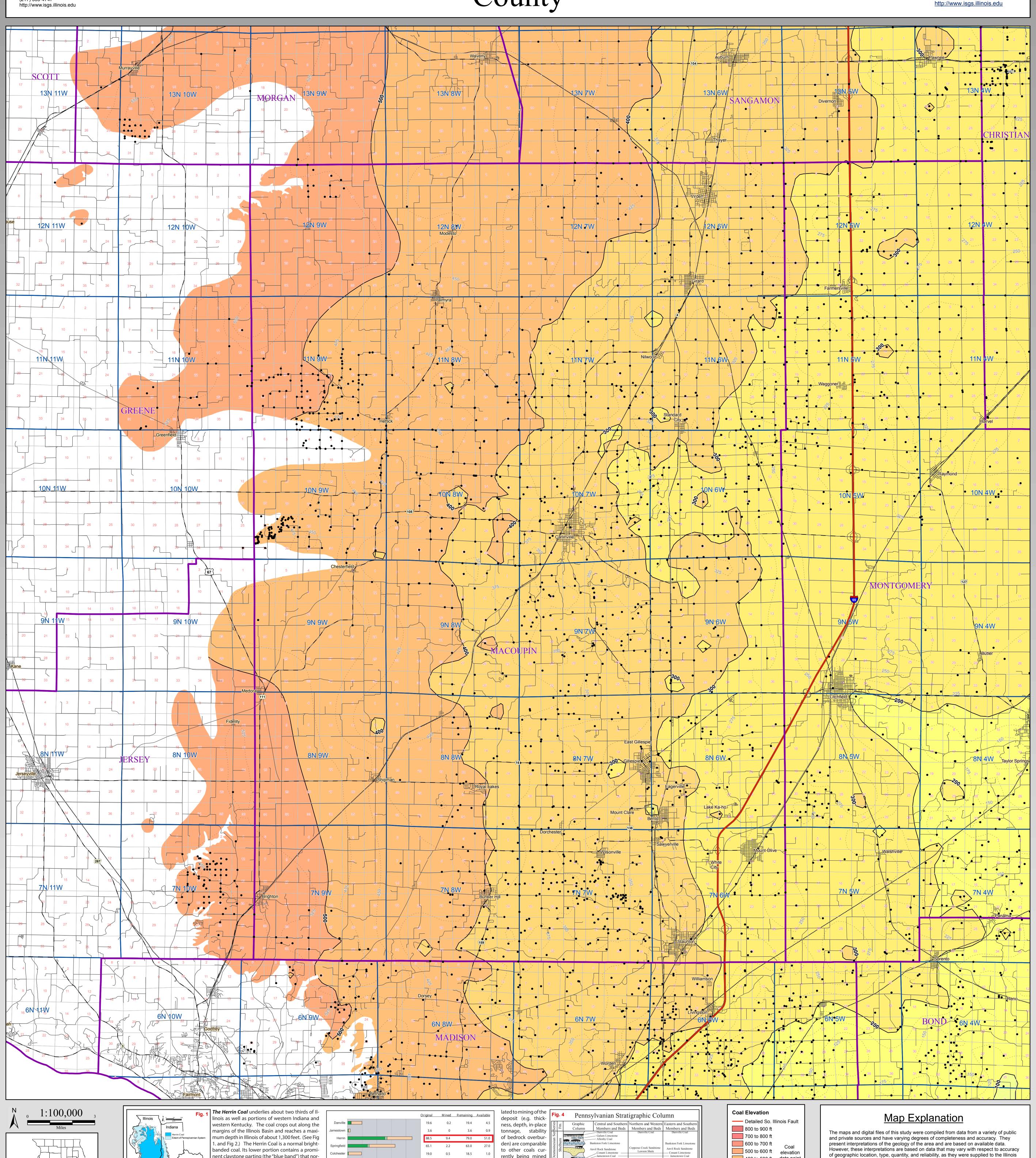
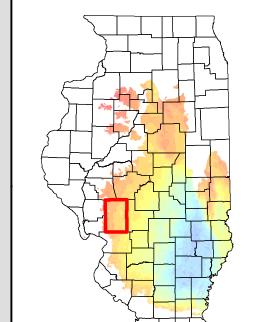
## Herrin Coal Elevation MACOUPIN County

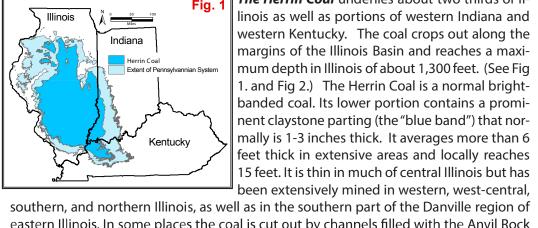
County Coal Map Series ISGS Coal Section Map construction: May, 2015

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:





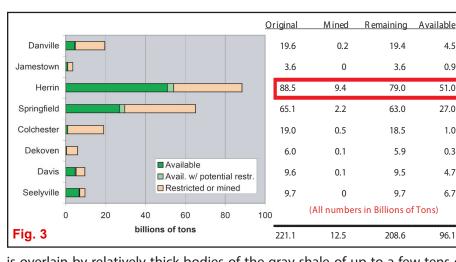


North-south cross section of the Pennsylvanian System in Illinois

banded 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

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



Sandstone Member. In parts is overlain by relatively thick bodies of the gray shale of up to a few tens of of Illinois, silty gray shale as feet it has a much lower sulfur content than elsewhere. The gray shale overmuch as 100 feet thick over- lies the coal principally in parts of Williamson, Franklin, Jefferson, Madison, lies the Herrin Coal. Associ- St. Clair, eastern Macoupin, and S. Vermilion. Generally, however the Herrin 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.)

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

deposit (e.g. thick-		<b>J</b> -	1 CIIII	syrvaman suai	igrapine Con
ness, depth, in-place	ries	'n.	Graphic	Central and Southern	
tonnage stability	Se	F	Column		
ness, depth, in-place tonnage, stability of bedrock overburden) are comparable to other coals currently being mined in the state. Of these resources, 21 billion tons occur in coal 42 to 66 inches thick and 30 billion tons occur in thicknesses greater than 66 inches. (Modified from	Desmoinesian Series Desmoinesian Ser Series	Carbondale Shelburn Fm.	Column	Members and Beds  Danville Coal Galum Limestone Allenby Coal Bankston Fork Limestone  Anvil Rock Sandstone Conant Limestone Jamestown Coal Brereton Limestone Anna Shale Energy Shale Herrin Coal  Briar Hill Coal Canton Shale St. David Limestone Turner Mine Shale Dykersburg Shale Springfield Coal  Hanover Limestone Excello Shale	Members and Beds Danville Coal  Copperas Creek Sandstone Lawson Shale  Brereton Limestone Anna Shale  Herrin Coal Spring Lake Coal Bed Big Creek Sandstone Vermillionville Sandstone Vermillonville Sandstone Turner Mine Shale  Springfield Coal Covel Conglomerate Hanover Limestone Excello Shale
ISGS Pub. IM 120, Treworgy, et al)			XXXXXXXXX	Houchin Creek Coal Roodhouse Coal Pleasantview Sandstone	Houchin Creek Coal Breezy Hill Limestone Kerton Creek Coal Pleasantview Sandstore

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

Briar Hill Coal Canton Shale St. David Limestone Turner Mine Shale

Houchin Creek Coal

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

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