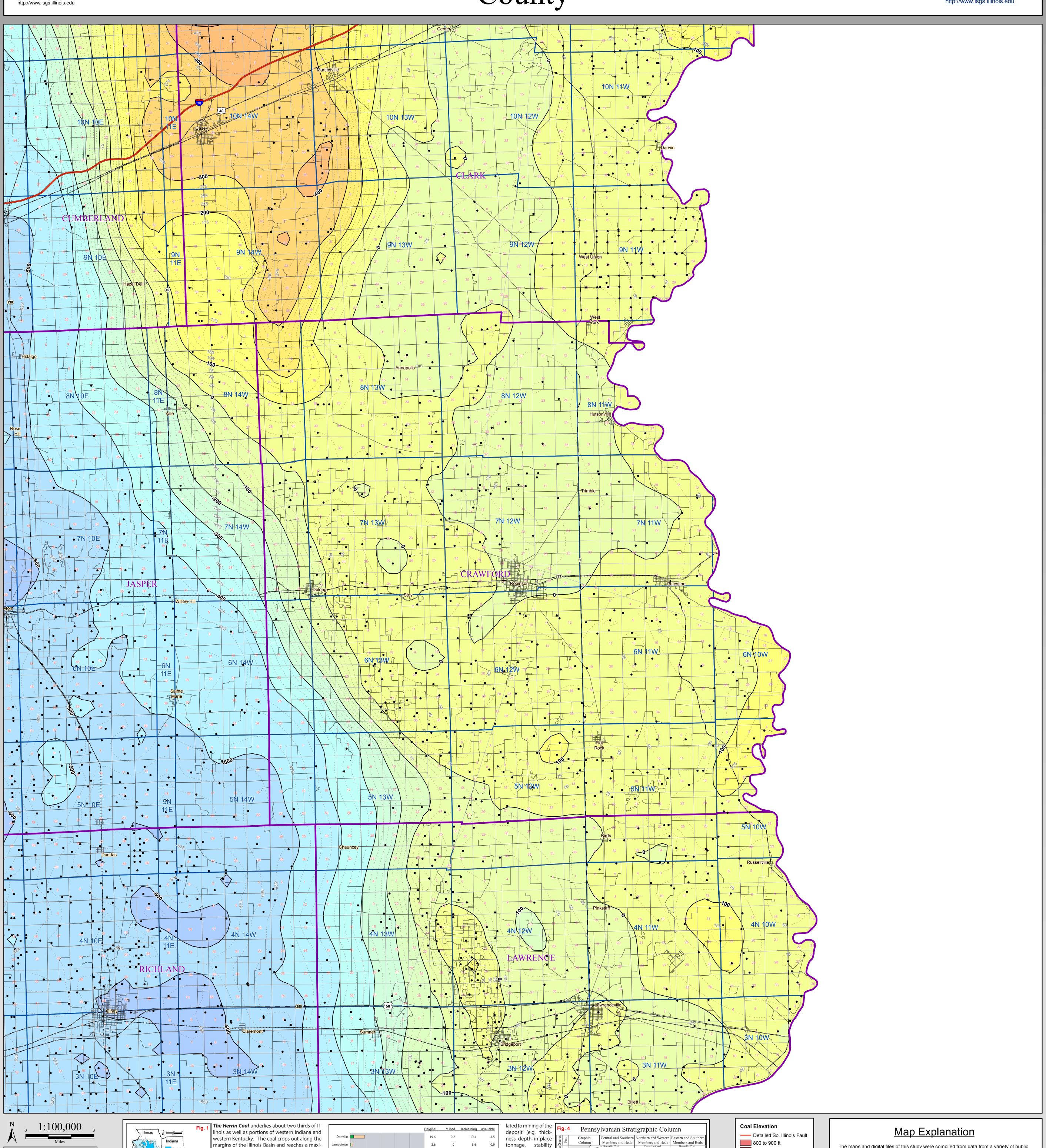
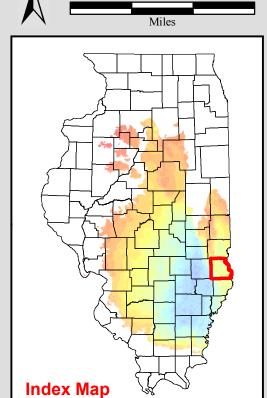
Herrin Coal Elevation CRAWFORD County

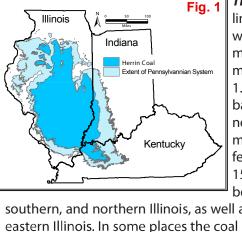
County Coal Map Series ISGS Coal Section Map construction: May, 2015

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





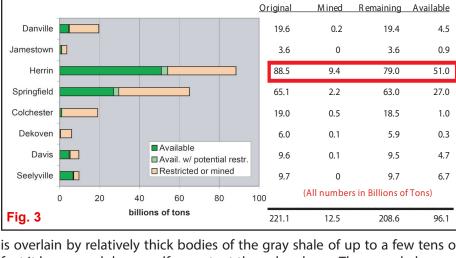


North-south cross section of the Pennsylvanian System in Illinois

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

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 Refe Rock Sandstone and may be tons, of which 9.4 billion have been mined. Approximately 58% of the original - Har 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 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.



Sandstone Member. In parts is overlain by relatively thick bodies of the gray shale of up to a few tens of Illinois, silty gray shale as feet it has a much lower sulfur content than elsewhere. The gray shale ove much 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 Herri 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.)

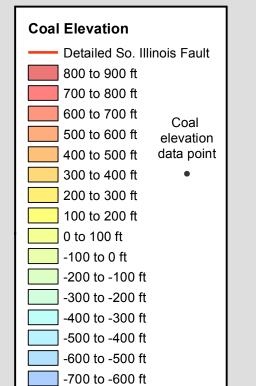
.0	rently being mined	Desi
).3	in the state. Of these	
1.7	resources, 21 billion	
5.7	tons occur in coal	eries
	42 to 66 inches thick	Desmoinesian Series
_	and 30 billion tons	nesi
5.1	occur in thicknesses	iom
of	greater than 66 inch-	Des
/er-	es. (Modified from	
on,	ISGS Pub. IM 120,	
rrin	Treworgy, et al)	
the		

of bedrock overbur-

den) are comparable

to other coals cur-

S Pub. IM 120, worgy, et al)	XXXXXXXXX	Houchin Creek Coal Roodhouse Coal Pleasantview Sandstone	Houchin Creek Coal Breezy Hill Limestone Kerfon Creek Coal Pleasantview Sandstore	Houchin Cree Pleasantview S
erences: andbook of Illinois Str	atigraphy, 1975.	Illinois State Geolog	nical Survev Bulle	tin 95, 26 ⁻



-800 to -700 ft

-900 to -800 ft

< -900 ft

Anvil Rock Sandstone

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. 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.

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