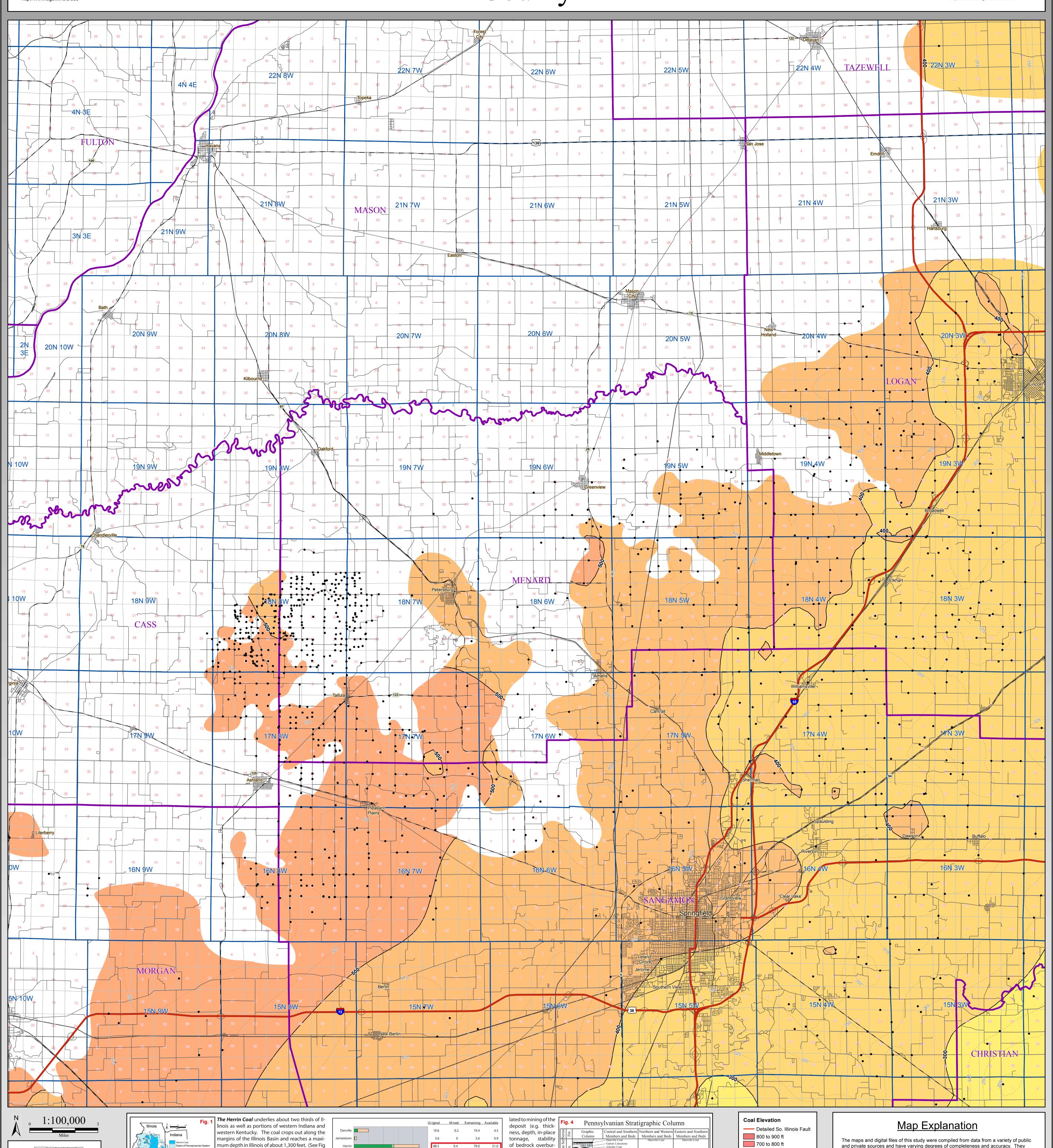
ILLINOIS STATE GEOLOGICAL SURVEY
PRAIRIE RESEARCH INSTITUTE ILLINOIS For further information contact: Prairie Research Institute Illinois State Geological Survey University of Illinois at Urbana-Champaign 615 East Peabody Drive Champaign, Illinois 61820-6964 (217) 333-4747 http://www.isgs.illinois.edu

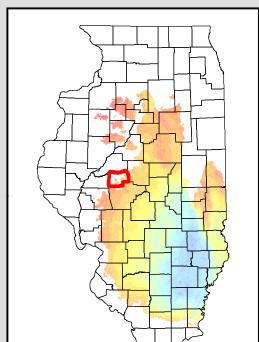
Herrin Coal Elevation MENARD County

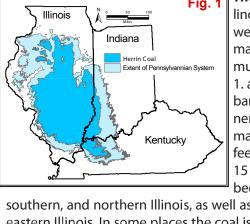
County Coal Map Series ISGS Coal Section Map construction: May, 2015

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



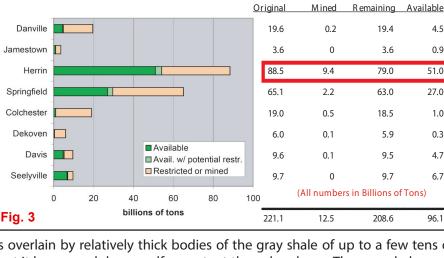




1. and Fig 2.) The Herrin Coal is a normal brightbanded coal. Its lower portion contains a prominent claystone parting (the "blue band") that normally is 1-3 inches thick. It averages more than 6 feet thick in extensive areas and locally reaches

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-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 green of Illinois, silty gray shale as feet it has a much lower sulfur content than elsewhere. The gray shale over- es. much as 100 feet thick over- lies the coal principally in parts of Williamson, Franklin, Jefferson, Madison, ISG lies the Herrin Coal. Associ- St. Clair, eastern Macoupin, and S. Vermilion. Generally, however the Herrin Tre 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

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	Se	H	Column	Members and Beds	Members and Beds	Members and Beds
innage, stability bedrock overbur- en) are comparable other coals cur- ently being mined the state. Of these sources, 21 billion on soccur in coal 2 to 66 inches thick and 30 billion tons ccur in thicknesses reater than 66 inches. (Modified from GS Pub. IM 120, eworgy, et al)	Desmoinesian Series Desmoinesian Ser <mark>Seri</mark>	Carbondale Shelburn Fin	Column XXXXXXXXXXXXX XXXXXXXXXXX XXXXXXXX	Members and Beds Danville Coal Galum Limestone Allenby Coal Bankston Fork Limestone Anvil Rock Sandstone Conant 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 Houchin Creek Coal Roodhouse Coal Pleasantview Sandstone	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 Vermillionville Sandstone Turner Mine Shale Springfield Coal Covel Conglomerate Hanover Limestone Excello Shale Houchin Creek Coal Breezy Hill Limestone Kerfon Creek Coal Pleasantview Sandstone	Members and Beds Danville Coal Bankston Fork Limestone Anvil Rock Sandstone — Conant Limestone — Jamestown Coal Beretton Limestone Anna Shale Herrin Coal Briar Hill Coal Canton Shale St. David Limestone Turner Mine Shale Springfield Coal Excello Shale Houchin Creek Coal Pleasantview Sandstone

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.

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

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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