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Herrin Coal Chlorine KNOX County

County Coal Map Series Andrew Louchios, Scott Elrick,

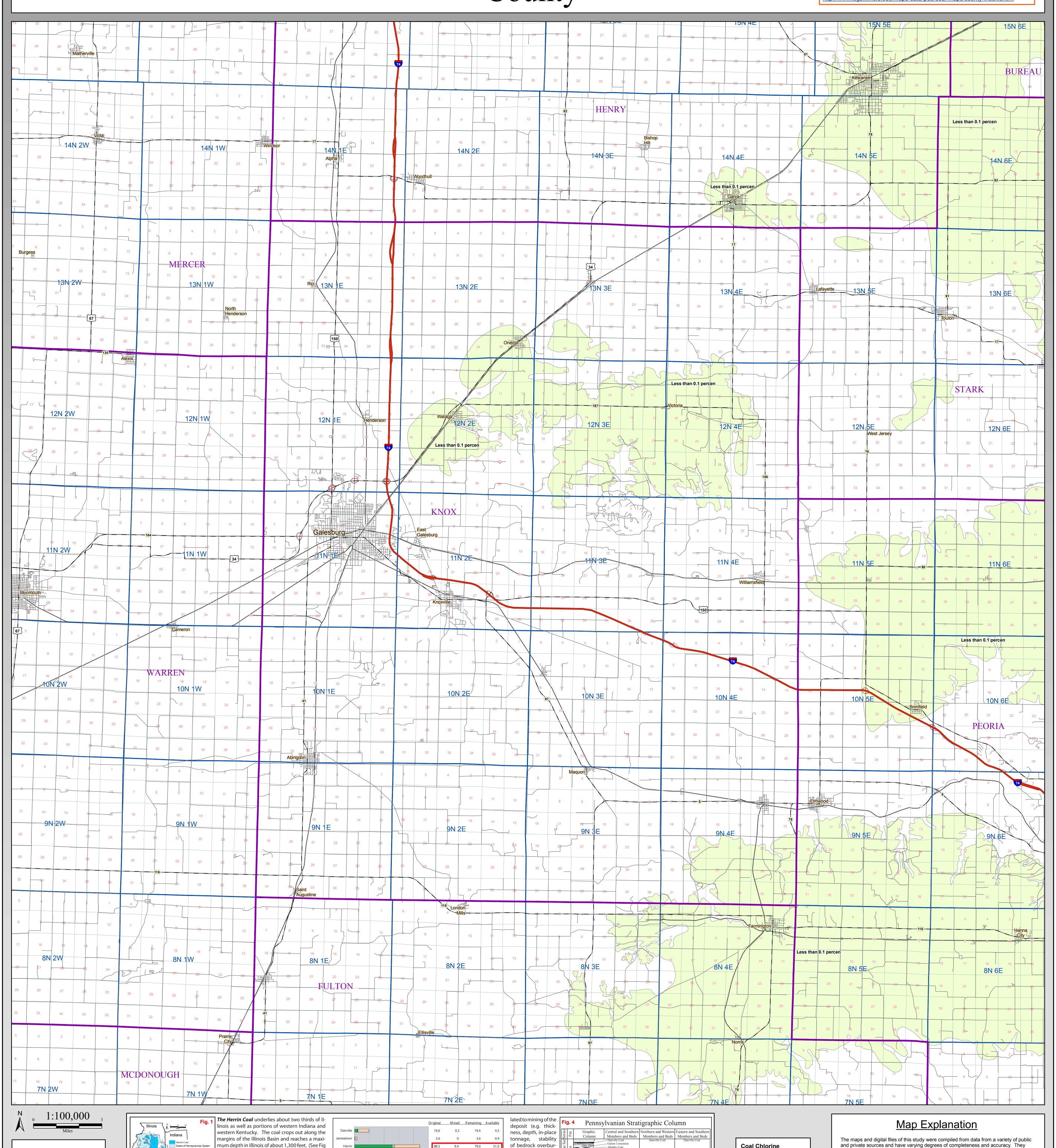
Map construction: October 29, 2009

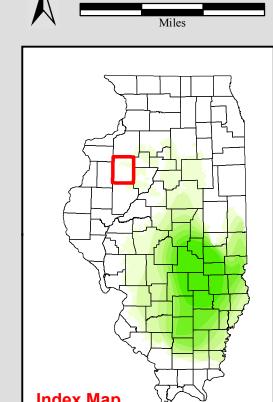
Chris Korose, David Morse

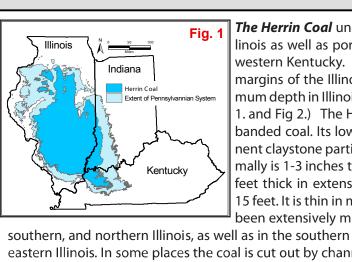
This product is under review and may not meet the

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/maps-data-pub/coal-maps/county-index.shtml



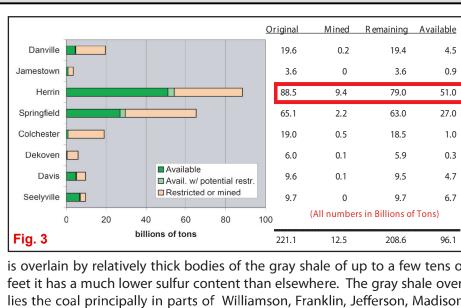




orth-south cross section of the Pennsylvanian System in Illinois

mum depth in Illinois of about 1,300 feet. (See Fig . 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 is of Illinois, silty gray shale as fee much as 100 feet thick over- lie lies the Herrin Coal. Associ- St. ated with this shale is a channel sandstone commonly as Bre much as a mile wide and 60-



rn part of the Danville region of	Fig. 3	billions of tons	221.1	12.5	208.6	96.1
annels filled with the Anvil Rock Sandstone Member. In parts of Illinois, silty gray shale as much as 100 feet thick over- lies the Herrin Coal. Associ- ated with this shale is a chan- nel sandstone commonly as much as a mile wide and 60-	is overlain by feet it has a m lies the coal p St. Clair, easte Coal is overlai	relatively thick bodies of nuch lower sulfur content orincipally in parts of Will ern Macoupin, and S. Verr in by either the Anna Sha estone Member. (Hopkins,	the gray sh than elsewl liamson, Fra milion. Gene ale Member	nale of up here. The anklin, Jet erally, ho (black fis	o to a few e gray sha fferson, M wever the ssile shale	tens o le over ladison Herrir
80 feet thick mapped as Anvil	T he original r	esource of Herrin Coal in	the State o	f Illinois 1	totals 88.5	billio

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

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

resources, 21 billion 42 to 66 inches thick and 30 billion tons occur in thicknesses of greater than 66 inch- ଅଧ es. (Modified from ISGS Pub. IM 120, in Treworgy, et al) Rock Sandstone and may be tons, of which 9.4 billion have been mined. Approximately 58% of the original

den) are comparable

to other coals cur-

rently being mined

in the state. Of these

Hanover Limestone Excello Shale Houchin Creek Coal Breezy Hill Limestone Kerfon Creek Coal Pleasantview Sandstore - 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 for mining in Illinois: Illinois State Geological Survey Illinois Minerals 120, 54 p.

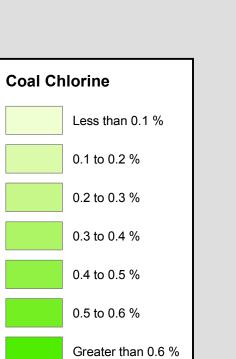
St. David Limestone Turner Mine Shale

Springfield Coal

Anvil Rock Sandston

Brereton Limesto Anna Shale

Briar Hill Coal Canton Shale



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

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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