ILLINOIS AT URBANA-CHAMPAIGN Institute of Natural Resource Sustainability William W. Shilts, Executive Director ILLINOIS STATE GEOLOGICAL SURVEY E. Donald McKay III, Interim Director For more information contact: Institute of Natural Resource Sustainablity Illinois State Geological Survey 615 East Peabody Drive Champaign, Illinois 61820-6964 (217) 333-4747

Herrin Coal Chlorine MENARD County

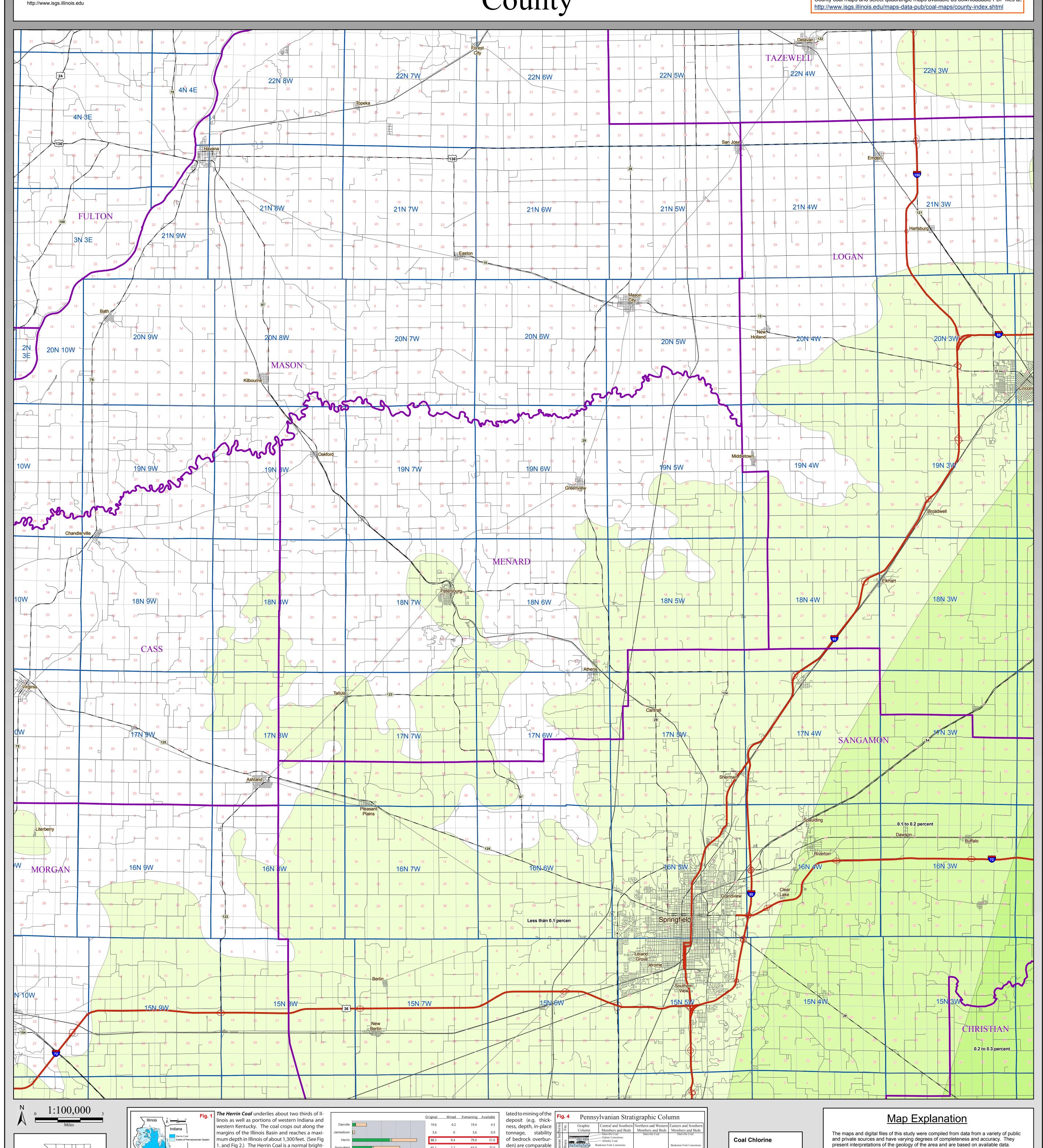
County Coal Map Series Andrew Louchios, Scott Elrick,

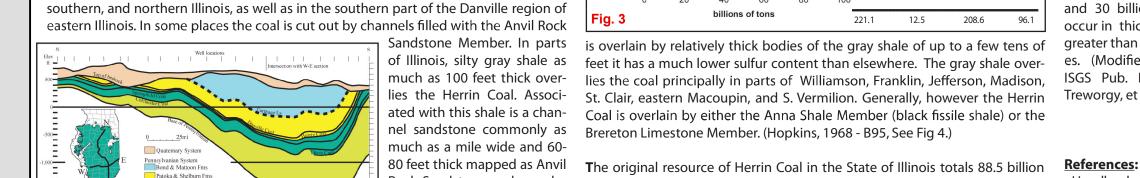
Map construction: October 29, 2009

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:





orth-south cross section of the Pennsylvanian System in Illinois

banded coal. Its lower portion contains a promi-

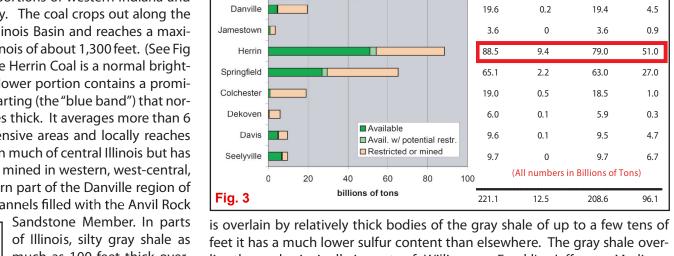
nent claystone parting (the "blue band") that nor-

mally 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,



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

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-

ed	100	9.7	0 All numbers i	9.7 n Billions of To	6.7 ons)	tons 42 to and
	- 2	221.1	12.5	208.6	96.1	occur
of the gray shale of up to a few tens of t than elsewhere. The gray shale over- illiamson, Franklin, Jefferson, Madison, rmilion. Generally, however the Herrin hale Member (black fissile shale) or the s, 1968 - B95, See Fig 4.)					great es. (I ISGS Trewo	

4.7	resources, 21 billion	ı
6.7	tons occur in coal	
1	42 to 66 inches thick	٥
	and 30 billion tons	
96.1	occur in thicknesses	
ns of	greater than 66 inch-	
over-	es. (Modified from	
ison,	ISGS Pub. IM 120,	
errin	Treworgy, et al)	Ţ
r the		

to other coals cur-

rently being mined

in the state. Of these



- 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

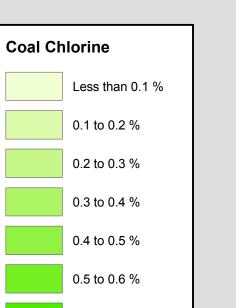
Springfield Coal

Anvil Rock Sandston

Brereton Limesto Anna Shale

Briar Hill Coal Canton Shale

St. David Limestone Turner Mine Shale



Greater than 0.6 %

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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