ILLINOIS AT URBANA-CHAMPAIGN Institute of Natural Resource Sustainability William W. Shilts, Executive Director ILLINOIS STATE GEOLOGICAL SURVEY E. Donald McKay III, Interim Director

Institute of Natural Resource Sustainablity

Illinois State Geological Survey 615 East Peabody Drive Champaign, Illinois 61820-6964

For more information contact:

http://www.isgs.illinois.edu

(217) 333-4747

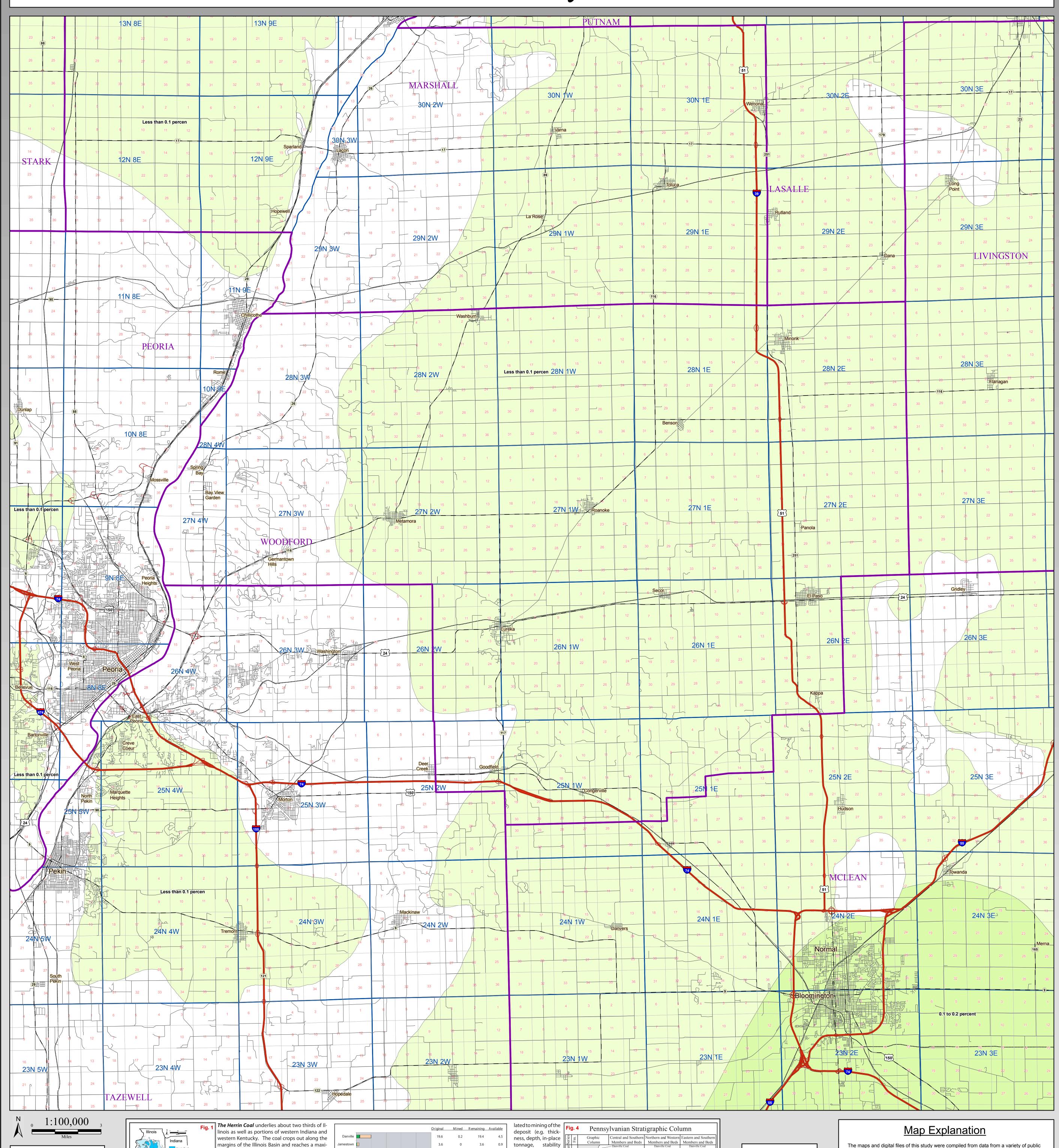
Herrin Coal Chlorine WOODFORD County

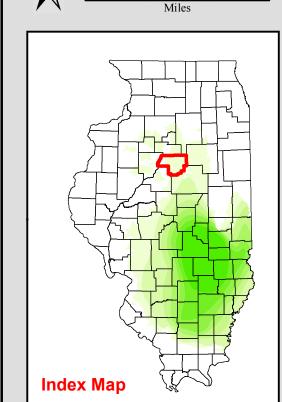
County Coal Map Series Andrew Louchios, Scott Elrick, Chris Korose, David Morse

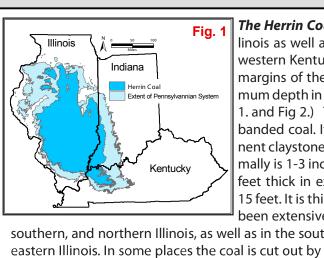
Map construction: October 29, 2009

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

margins of the Illinois Basin and reaches a maximum 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 fe much as 100 feet thick overlies the Herrin Coal. Associ- 5ated with this shale is a channel sandstone commonly as Br much as a mile wide and 60-

					<u>Original</u>	Mined	R emaining	Available
Danville					19.6	0.2	19.4	4.5
Jamestown					3.6	0	3.6	0.9
Herrin					88.5	9.4	79.0	51.0
Springfield					65.1	2.2	63.0	27.0
Colchester]			19.0	0.5	18.5	1.0
Dekoven					6.0	0.1	5.9	0.3
Davis			Available Avail. w/ p	ootential restr.	9.6	0.1	9.5	4.7
Seelyville			Restricted	d or mined	9.7	0	9.7	6.7
	0	20 4	0 60	80 1	00	(All numbe	rs in Billions of	f Tons)
Fig. 3		bil	lions of tons		221.1	12.5	208.6	96.1
is overlain by relatively thick bodies of the gray shale of up to a few tens of feet it has a much lower sulfur content than elsewhere. The gray shale over-								
leet it ha	s a mu	ch lowe	er sulfur co	ontent tha	n elsev	vhere. Th	ne gray sh	ale ove

Fig. 3	billions of tons	221.1	12.5	208.6	96.1
eet it has a muclies the coal prin it. Clair, eastern Coal is overlain b	atively thick bodies of to a lower sulfur content to cipally in parts of Willi Macoupin, and S. Verm by either the Anna Shala ne Member. (Hopkins, 1	han elsewh amson, Fra iilion. Gene e Member	nere. The nklin, Jef rally, how (black fis	gray shal ferson, M wever the sile shale)	e over- adison, Herrin

- 1	mach as a mile what and oo		
	80 feet thick mapped as Anvil	The original resource of Herrin Coal in the State of Illinois totals 88.5 billion	Refere
	Rock Sandstone and may be	tons, of which 9.4 billion have been mined. Approximately 58% of the original	- Hand
- 1	contemporaneous with the	Herrin Coal resources, 51 billion tons, are considered available for mining. (See	- Trew
	coal. In areas where the coal	Fig 3.) Available means that the surface land-use and geologic conditions re-	Coal fo

ndbook of Illinois Stratigraphy, 1975, Illinois State Geological Survey Bulletin 95, 261p. worgy, C.G., C.P. Korose, C.A. Chenoweth, and D.L. North, 1999a, Availability of the Herrin for mining in Illinois: Illinois State Geological Survey Illinois Minerals 120, 54 p.

of bedrock overbur-

den) are comparable

to other coals cur-

rently being mined

in the state. Of these

resources, 21 billion

42 to 66 inches thick

and 30 billion tons

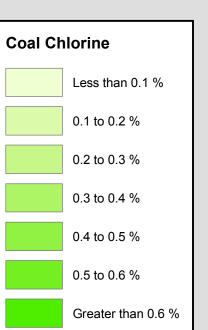
occur in thicknesses

es. (Modified from

ISGS Pub. IM 120,

Treworgy, et al)

greater than 66 inch- 비営



Anvil Rock Sandston

Brereton Limesto Anna Shale

St. David Limestone Turner Mine Shale

St. David Limestone Turner Mine Shale

Hanover Limestone Excello Shale Houchin Creek Coal Breezy Hill Limestone Kerfon Creek Coal Pleasantview Sandstore

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.

Disclaimer

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