<section-header>   Image: State Geological Survey   Bratiute of Natural Resource Sustainability   William W. Shilts, Executive Director   ILINOIS STATE GEOLOGICAL SURVEY   E. Donald McKay III, Interim Director   Institute of Natural Resource Sustainability   Ilinois State Geological Survey   State Geological Survey   State State Geological Survey   Bis State St</section-header>	Herrin Coal Thickness MOULTRIE County	County Coal Map Series   Andrew Louchios, Scott Elrick, Chris Korose, David Morse   Map construction: October 28, 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
		http://www.isgs.illinois.edu/maps-data-pub/coal-maps/county-index.shtml   Image: control index inde
20 20 27 28 27 28 25 30 20 21 27 26 7 10   3 35 10 4 3 34 35 40 31 32 31 34 35 36 10 10 12 7 8 7 76 7 10 11 12 7 8 7 10 11 12 7 8 7 10 11 12 7 8 7 10 11 12 7 8 7 10 11 12 7 8 7 10 11 12 7 8 7 10 11 12 7 8 7 10 11 12 7 8 7 10 11 12 7 10 10 12 7 13 10 10 12 7 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 <	3 3	$\begin{array}{cccccccccccccccccccccccccccccccccccc$







The Herrin Coal underlies about two thirds of Il-Fig. 1 linois as well as portions of western Indiana and western Kentucky. The coal crops out along the margins of the Illinois Basin and reaches a maximum depth in Illinois of about 1,300 feet. (See Fig

		<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	9.6	0.1	9.5	4.7
Seelyville	Restricted or mined	9.7	0	9.7	6.7
	0 20 40 60 80	100	(All numbe	rs in Billions of	f Tons)

lated to mining of the deposit (e.g. thick-	Fig. 4   Pennsylvanian Stratigraphic Column						
ness, depth, in-place	Series	Fm.	Graphic	Central and Sc	uthern	Northern and Western	Eastern and Southern
	Ser	E	Column	Members and	Beds	Members and Beds	Members and Beds
<u> </u>	Ser			Danville Coal		Danville Coal	Danville Coal
of bedrock overbur-		u.	*****	Allenby Coal	2		
den) are comparable	esi	lbur		Bankston Fork Limesto	ne		Bankston Fork Limestone
to other coals cur-	Desmoinesian	Shelburn	XXXX	Anvil Rock Sandstone		Copperas Creek Sandstone	Anvil Rock Sandstone
	sm		d	Conant Limeston	e	Lawson Shale	— Conant Limestone
rently being mined	Ď			Jamestown Coal Brereton Limesto		Brereton Limestone	— Jamestown Coal Brereton Limestone
in the state. Of these				Anna Shale	ne	Anna Shale	Anna Shale
				Energy Shale			
resources, 21 billion	s		*&**&*&*	Herrin Coal		Herrin Coal Spring Lake Coal Bed	Herrin Coal
tons occur in coal	eries		A strategy of the second			Big Creek Sandstone Vermillionville Sandstone	
42 to 66 inches thick	$\sim$		XXXXXXX	Briar Hill Coal			Briar Hill Coal
	an	le		Canton Shale		Canton Shale	Canton Shale
and 30 billion tons	lesi	ndâ		St. David Limest		St. David Limestone Turner Mine Shale	St. David Limestone Turner Mine Shale
occur in thicknesses	esmoinesian	Carbondale		Dykersburg Shale			
greater than 66 inch	ssn	Cai	密*索*系表	Springfield Coal		Springfield Coal Covel Conglomerate	Springfield Coal

## **Coal Thickness**



## Map Explanation

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.



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.

© 2009 Board of Trustees of the University of Illinois. All rights reserved.