





S Illinois

Indiana

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

						Original	Mined	Remaining	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		1				19.0	0.5	18.5	1.0
Dekoven						6.0	0.1	5.9	0.3
Davis			■ Avail ■ Avail	able . w/ poten	tial restr.	9.6	0.1	9.5	4.7
Seelyville				ricted or n		9.7	0	9.7	6.7
	0 2	20 -	40 6	60	80	100	(All numbe	rs in Billions of	f Tons)
Fig. 3	Fig. 3 billions of tons				221.1	12.5	208.6	96.1	

lated to mining of the deposit (e.g. thick-	Fig. 4         Pennsylvanian Stratigraphic Column							
ness, depth, in-place	Ser Series Fm.	Graphic			Eastern and Southern			
tonnage, stability	- Se	Column	Members and Beds	Members and Beds Danville Coal	Members and Beds Danville Coal			
of bedrock overbur-		****	Galum Limestone Allenby Coal	Danville Coal	Danvine Coar			
den) are comparable	lbur		Bankston Fork Limestone		Bankston Fork Limestone			
to other coals cur-	Desmoinesian Shelburn	XXXX	Anvil Rock Sandstone	Copperas Creek Sandstone Lawson Shale	Anvil Rock Sandstone			
rently being mined	Des		Jamestown Coal		Jamestown Coal			
in the state. Of these			Brereton Limestone Anna Shale	Brereton Limestone Anna Shale	Brereton Limestone Anna Shale			
resources, 21 billion	s	********	Energy Shale Herrin Coal	Herrin Coal Spring Lake Coal Bed	Herrin Coal			
tons occur in coal	Series	Contraction of the second		Big Creek Sandstone Vermillionville Sandstone				
42 to 66 inches thick	I Se	× × × × × × ×	Briar Hill Coal		Briar Hill Coal			
	sian		Canton Shale St. David Limestone	Canton Shale St. David Limestone	Canton Shale St. David Limestone			
and 30 billion tons	ine		Turner Mine Shale	Turner Mine Shale	Turner Mine Shale			
occur in thicknesses	moinesian arbondale	XXXXXXXXX	Dykersburg Shale	Springfield Coal	Springfield Coal			

## **Coal Elevation**

Detailed So. Illinois Fault 800 to 900 ft 700 to 800 ft 600 to 700 ft Coal 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

## 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.

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