Institute of Natural Resource Sustainablity

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

(217) 333-4747

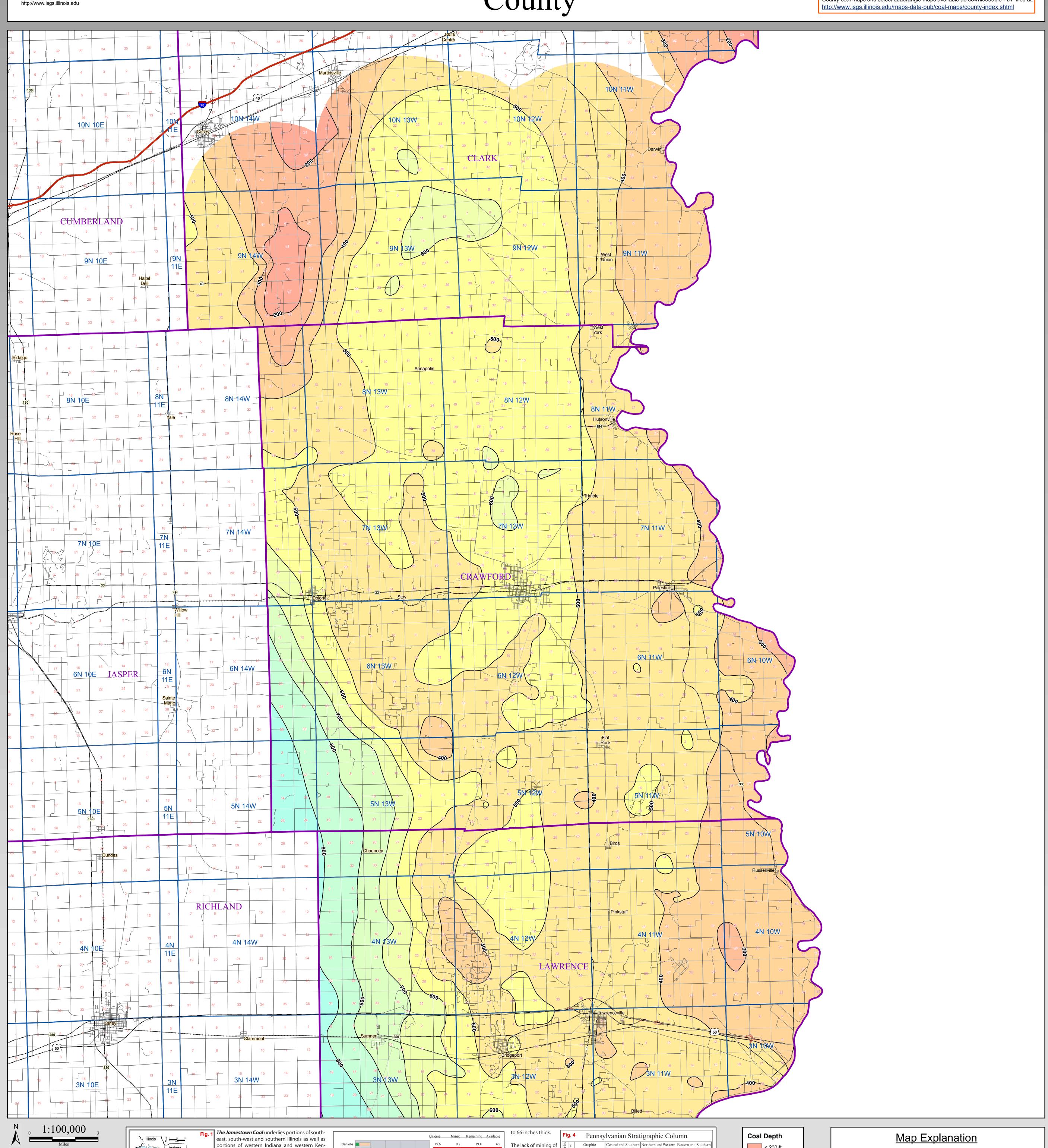
Jamestown Coal Depth CRAWFORD County

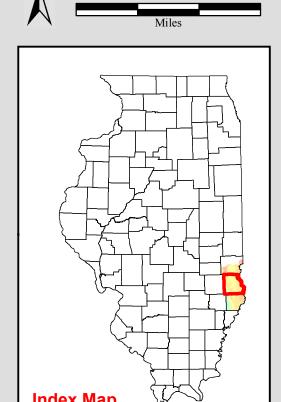
County Coal Map Series Andrew Louchios, Scott Elrick,

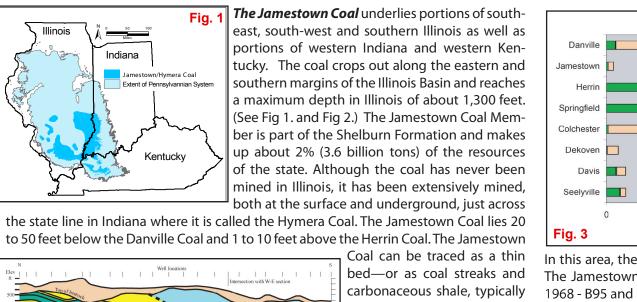
Chris Korose, David Morse Map construction: October 26, 2009

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:







and mine exposures over The original res much of central and southern lion tons, none

ford, and Lawrence Counties. being mined in the state. Of these resources, 0.9 billion tons occur in coal 42 of Illinois: Illinois State Geological Survey Illinois Minerals 124, 44 p.

ıe S	Shelburn Formation and makes	Colcilester		15.0	0.5	10.5	1.0	just across the state	li e	e e		0 10 1		
	5 billion tons) of the resources	Dekoven		6.0	0.1	5.9	0.3	line in Indiana, and	smoi	S P	Anvil Rock Sandstone Conant Limestone	Copperas Creek Sandstone Lawson Shale	Anvil Rock Sandstone Conant Limestone	
th	ough the coal has never been	Davis	Available Avail. w/ potential restr.	9.6	0.1	9.5	4.7	therefore not as at-	De		Jamestown Coal Brereton Limestone	Brereton Limestone	— Jamestown Coal Brereton Limestone	
s,	it has been extensively mined,	Seelyville	Restricted or mined	9.7	0	9.7	6.7	tractive for mining			Anna Shale Energy Shale	Anna Shale	Anna Shale	
face and underground, just across			10 00 00 1		All numbers i	n Billions of T	ons)	in Illinois. (Modified	ies	**************************************	Herrin Coal	Herrin Coal Spring Lake Coal Bed Big Creek Sandstone	Herrin Coal	
Coal. The Jamestown Coal lies 20		0 20	40 60 80 1	00			······	from ISGS Pub. IM	Ser	ale	Briar Hill Coal	Vermillionville Sandstone	Briar Hill Coal	
ve the Herrin Coal. The Jamestown		Fig. 3	billions of tons	221.1	12.5	208.6	96.1	124, Korose, et al)	sian	w x x x x x x	Canton Shale St. David Limestone	Canton Shale St. David Limestone	Canton Shale St. David Limestone	
	Coal can be traced as a thin	In this area, the seam	ranges in depth from	approxi	imately 1	50 to 1.0	00 feet.		ine	arb	Turner Mine Shale	Turner Mine Shale	Turner Mine Shale	
L	bed—or as coal streaks and	The lamestown Coal is locally overlain by the Conant Limestone (Honkins Springfield Coal Sp											Springfield Coal	
E	carbonaceous shale, typically	1968 - B95 and Modified from ISGS Pub. IM 124, Korose, et al) (See Fig 4.)												
7	a few inches thick—in cores		Excello Shale Ex											
_	and mine exposures over	The original resource	3.6 bil-						·					
E	much of central and southern													
E	parts of Illinois, but is known	nal Jamestown Coal	_	References:										
4	to be greater than 42 inches mining. (See Fig 3.) Available means that the surface land-use and geologic						- Handbook of Illinois Stratigraphy, 1975, Illinois State Geological Survey Bulletin 95, 261p.							
E	thick only along the east bor-	conditions related to	_	- Christopher P. Korose, Colin G. Treworgy, Russell J. Jacobson, and Scott D. Elrick, 2002, Availabil-										
Ė	der of the state in Clark, Craw-	nage, stability of bedrock overburden) are comparable to other coals currently ity of the Danville, Jamestown, Dekoven, Davis, and Seelyville Coals for mining in Selection										j in Selected Area	5	
41 ()														

the Jamestown Coal

in Illinois is attribut-

ed to its being shal-

lower and thicker

Central and Southern Morthern and Western Eastern and Southern Members and Beds Members and Beds Members and Beds < 200 ft 200 to 300 ft Danville Coal 300 to 400 ft 400 to 500 ft Anvil Rock Sandstone 500 to 600 ft 600 to 700 ft Springfield Coal Excello Shale Bulletin 95, 261p.

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 700 to 800 ft conceptual model of the geology of the area on which to base further work. 800 to 900 ft These data are not intended for use in site-specific screening or decision-making. 900 to 1000 ft 1000 to 1100 ft 1100 to 1200 ft 1200 to 1300 ft 1300 to 1400 ft basis of the information presented here. 1400 to 1500 ft

1500 to 1600 ft

Disclaimer

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

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

present interpretations of the geology of the area and are based on available data.

in these files is subject to the limitations of the data and varies from place to place.

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

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