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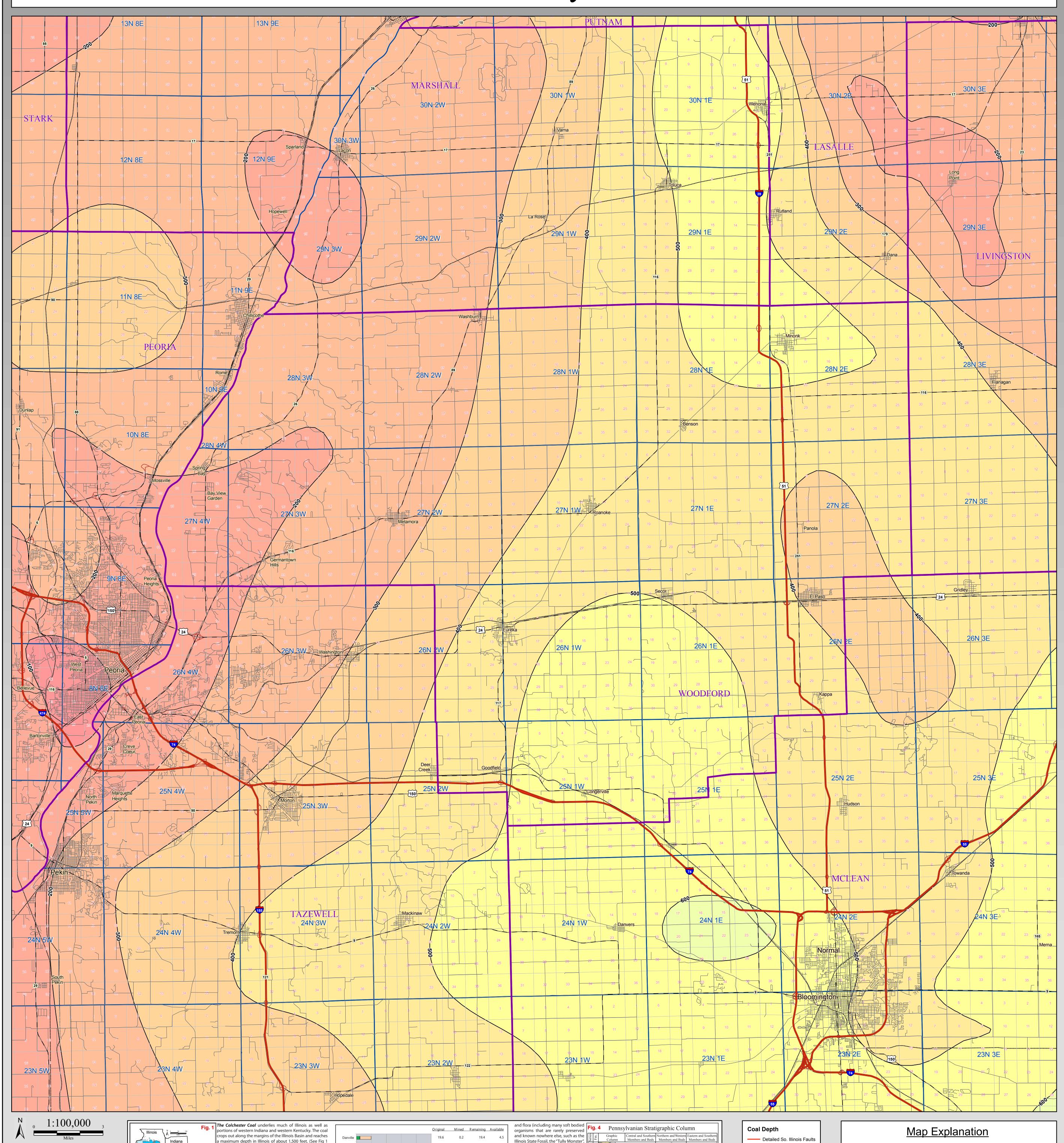
Colchester Coal Depth WOODFORD County

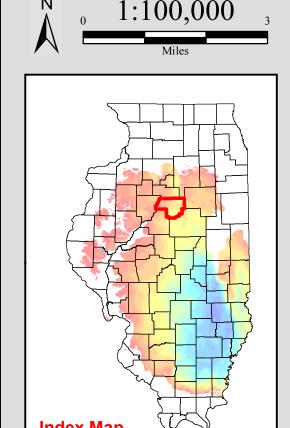
County Coal Map Series Andrew Louchios, Scott Elrick, Chris Korose, David Morse

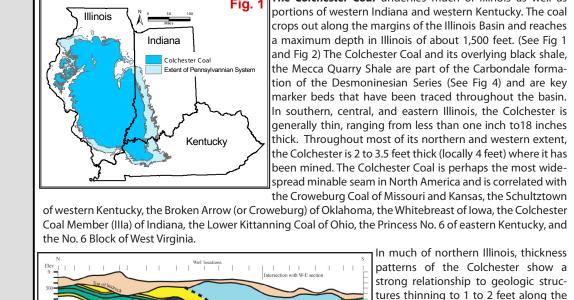
Map construction: October 26, 2009

This product is under review and may not meet the standards of the Illinois State Geological Survey.

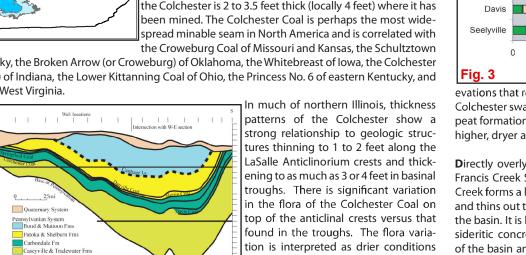
County coal maps and select quadrangle maps available as downloadable PDF files at: http://www.isgs.illinois.edu/maps-data-pub/coal-maps/county-index.shtml

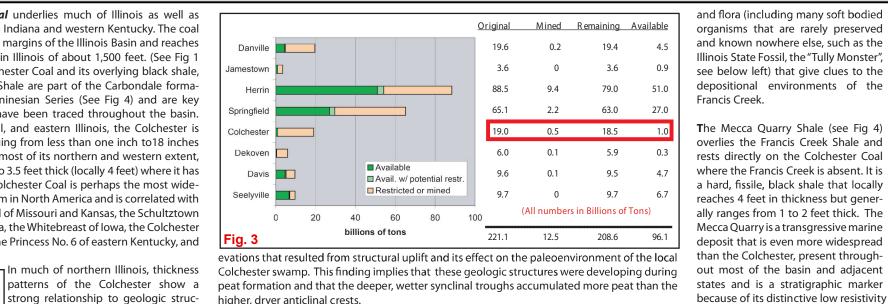




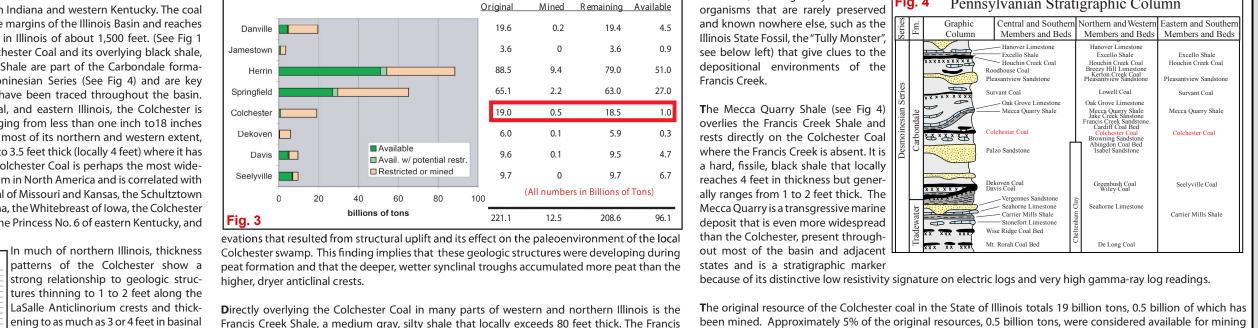


orth-south cross section of the Pennsylvanian System in Illinois





Participate	pear formation and that the accept, wetter synthia troughs accumulated more pear than the	
strong relationship to geologic struc-	higher, dryer anticlinal crests.	because of its distinctive low resistivity signature on electric logs and very high gamma-ray log readings.
tures thinning to 1 to 2 feet along the		
LaSalle Anticlinorium crests and thick-	Directly overlying the Colchester Coal in many parts of western and northern Illinois is the	The original resource of the Colchester coal in the State of Illinois totals 19 billion tons, 0.5 billion of which has
ening to as much as 3 or 4 feet in basinal	Francis Creek Shale, a medium gray, silty shale that locally exceeds 80 feet thick. The Francis	
troughs. There is significant variation	Creek forms a large clastic wedge that extends across the northern part of the coalfield	(See Fig 3).
in the flora of the Colchester Coal on	and thins out to the west and south in the western part of Illinois State Fossil - "Tully Monster"	
top of the anticlinal crests versus that	the basin. It is best known for the famous Mazon Creek	(All text modified from ISGS Pub. IM 127, Korose, et.al)
found in the troughs. The flora varia-	sideritic concretions found in the northeastern part	References:
tion is interpreted as drier conditions	of the basin and in Fulton County. These concretions	- Christopher P. Korose, Scott D. Elrick, and Russell J. Jacobson, 2003, Availability of the Colchester Coal for mining in
stemming from higher topographic el-	have yielded a remarkably well preserved fossil fauna	Northern and Western Illinois: Illinois State Geological Survey Illinois Minerals 127, 21 p.



< 100 ft 100 to 200 ft 200 to 300 ft 300 to 400 ft 400 to 500 ft 500 to 600 ft 600 to 700 ft 700 to 800 ft 800 to 900 ft 900 to 1000 ft 1000 to 1100 ft 1100 to 1200 ft 1200 to 1300 ft

1300 to 1400 ft

1400 to 1500 ft

1500 to 1600 ft

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

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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Data included in this map are suitable for use at a scale of 1:100,000.