ILLINOIS STATE GEOLOGICAL SURVEY
E. Donald McKay III, Interim Director

For more information contact:

Institute of Natural Resource Sustainability

Illinois State Geological Survey

615 East Peabody Drive
Champaign, Illinois 61820-6964

(217) 333-4747

http://www.isgs.illinois.edu

Colchester Coal Depth MORGAN County

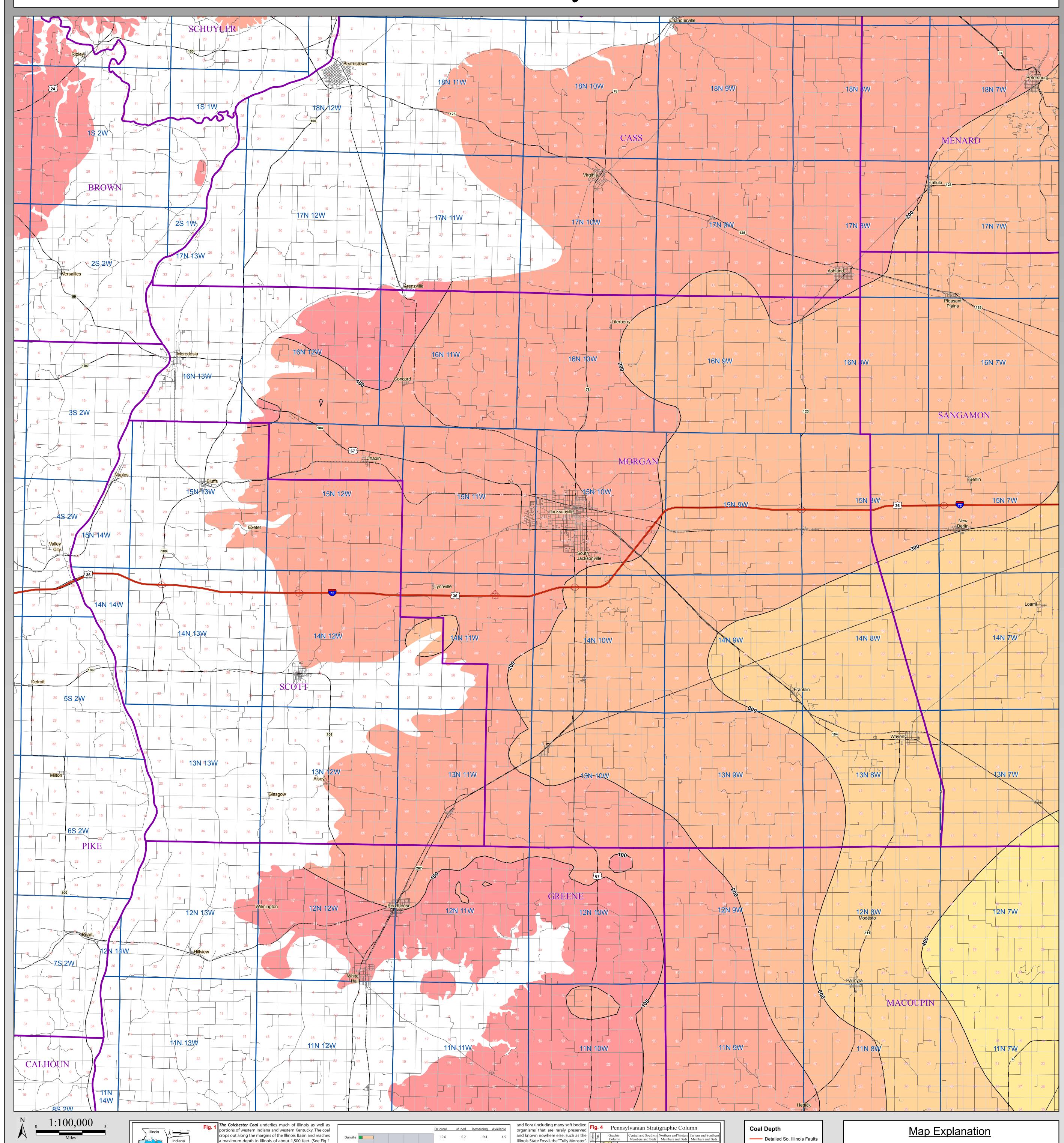
County Coal Map Series

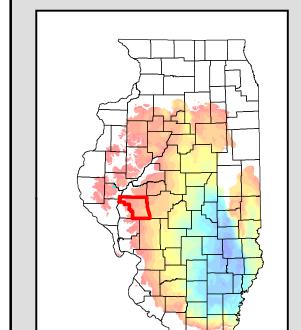
Andrew Louchios, Scott Elrick,
Chris Korose, David Morse

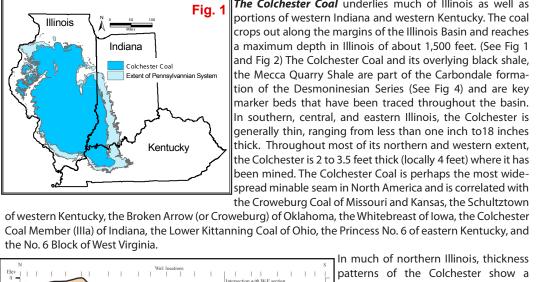
Map construction: October 26, 2009

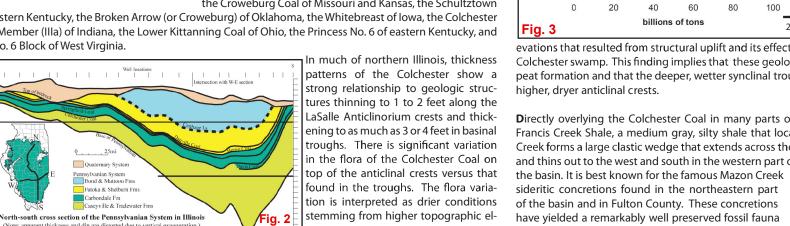
This product is under review and may not meet the standards of the Illinois State Geological Survey.

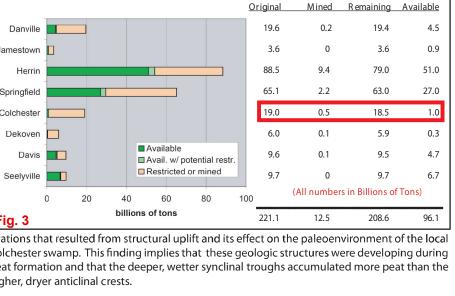
County coal maps and select quadrangle maps available as downloadable PDF files at: http://www.isgs.illinois.edu/maps-data-pub/coal-maps/county-index.shtml



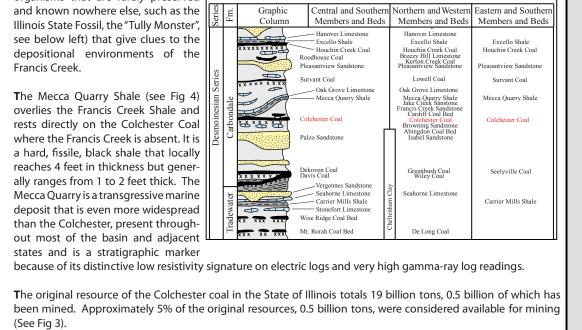








	0	20	40	60	80	100	(All numbers	in Billions of T	ons)	ally ranges from 1 to 2 feet thick. The	
Fig. 3			billions	of tons		221.1	1 12.5	208.6	96.1	Mecca Quarry is a transgressive marine deposit that is even more widespread	
Colchest peat for	evations that resulted from structural uplift and its effect on the paleoenvironment of the local Colchester swamp. This finding implies that these geologic structures were developing during peat formation and that the deeper, wetter synclinal troughs accumulated more peat than the higher, dryer anticlinal crests.									than the Colchester, present throughout most of the basin and adjacent states and is a stratigraphic marker because of its distinctive low resistivity signature on e	
Francis (Creek Sh	nale, a r	nedium	gray, silt	y shale	that locally	vestern and no vexceeds 80 fe orthern part of	et thick. Th	e Francis	The original resource of the Colchester coal in the Stat- been mined. Approximately 5% of the original resourc (See Fig 3).	
and thin the basin sideritic	n. It is be	est knov	wn for th	ie famou	s Mazor		Illinois State Fo	ossil - "Tully l	Monster"	(All text modified from ISGS Pub. IM 127, Korose, et.al) References:	



- Christopher P. Korose, Scott D. Elrick, and Russell J. Jacobson, 2003, Availability of the Colchester Coal for mining in

Northern and Western Illinois: Illinois State Geological Survey Illinois Minerals 127, 21 p.

Coal Depth Detailed So. Illinois Faults < 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 1100 to 1200 ft 1200 to 1300 ft 1300 to 1400 ft 1400 to 1500 ft

1500 to 1600 ft

IVIAP EXPIANATION

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

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. Disclaimer

conceptual model of the geology of the area on which to base further work.

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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