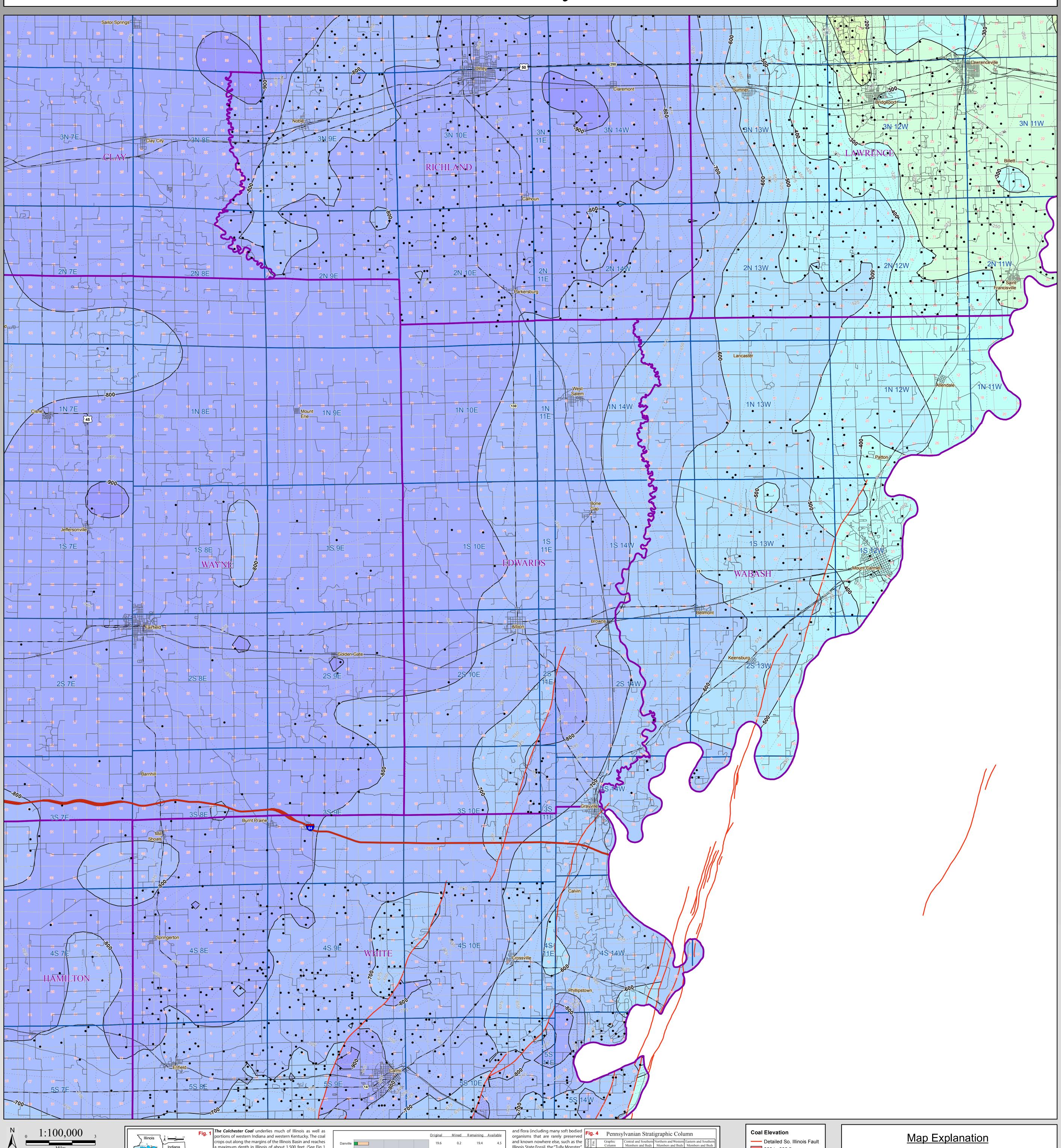
http://www.isgs.illinois.edu

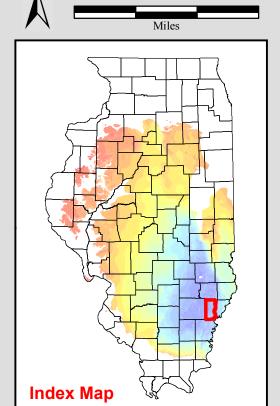
Colchester Coal Elevation **EDWARDS** County

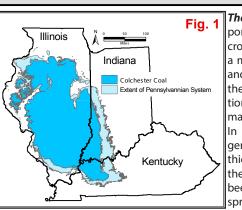
County Coal Map Series ISGS Coal Section Map construction: May, 2015

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

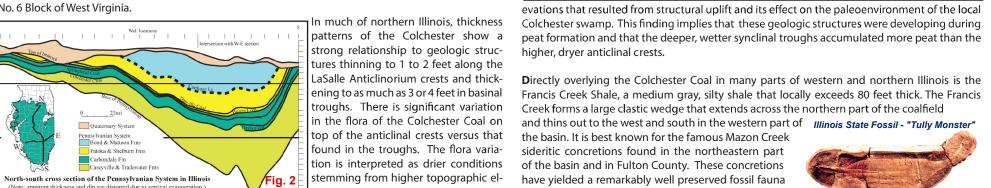


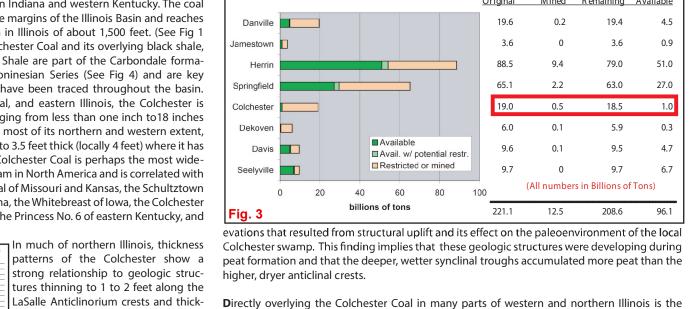




portions of western Indiana and western Kentucky. The coal rops out along the margins of the Illinois Basin and reaches a maximum depth in Illinois of about 1,500 feet. (See Fig 1 and Fig 2) The Colchester Coal and its overlying black shale, he Mecca Quarry Shale are part of the Carbondale formaion of the Desmoninesian Series (See Fig 4) and are key marker beds that have been traced throughout the basin. n southern, central, and eastern Illinois, the Colchester is generally thin, ranging from less than one inch to 18 inches thick. Throughout most of its northern and western extent, the Colchester is 2 to 3.5 feet thick (locally 4 feet) where it has been mined. The Colchester Coal is perhaps the most widepread minable seam in North America and is correlated with

the Croweburg Coal of Missouri and Kansas, the Schultztown $of western \ Kentucky, the \ Broken \ Arrow \ (or \ Croweburg) \ of \ Oklahoma, the \ Whitebreast \ of \ lowa, the \ Colchester$ Coal Member (Illa) of Indiana, the Lower Kittanning Coal of Ohio, the Princess No. 6 of eastern Kentucky, and strong relationship to geologic struc- higher, dryer anticlinal crests.



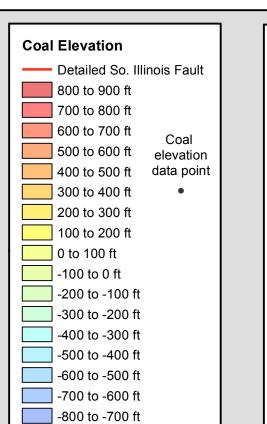


organisms that are rarely preserved [-	• 1	
and known nowhere else, such as the	Series	Graphic Column		Northern and Western	
Illinois State Fossil, the "Tully Monster",	Se	Column	Members and Beds	Members and Beds	Members and Beds
see below left) that give clues to the depositional environments of the Francis Creek.	8	*****	Hanover Limestone Excello Shale Houchin Creek Coal Roodhouse Coal Pleasantview Sandstone	Hanover Limestone Excello Shale Houchin Creek Coal Breezy Hill Limestone Kerton Creek Coal Pleasantview Sandstone	Excello Shale Houchin Creek Coal Pleasantview Sandstone
	Series	X X X X X X X X X	Survant Coal	Lowell Coal	Survant Coal
The Mecca Quarry Shale (see Fig 4) overlies the Francis Creek Shale and			Oak Grove Limestone Mecca Quarry Shale	Oak Grove Limestone Mecca Quarry Shale Jake Creek Sanstone Francis Creek Sandstone	Mecca Quarry Shale
rests directly on the Colchester Coal	Desmoinesian	Sarbondale C.	Colchester Coal	Cardiff Coal Bed Colchester Coal Browning Sandstone Abingdon Coal Bed Isabel Sandstone	Colchester Coal
where the Francis Creek is absent. It is a hard, fissile, black shale that locally reaches 4 feet in thickness but gener- ally ranges from 1 to 2 feet thick. The Mecca Quarry is a transgressive marine deposit that is even more widespread	De	dewater C	Palzo Sandstone Dekoven Coal Davis Coal Vergennes Sandstone Seahorne Limestone Carrier Mills Shale Stonefort Limestone Wise Ridge Coal Bed	Greenbush Coal Wiley Coal Seahorne Limestone	Seelyville Coal Carrier Mills Shale
than the Colchester, present throughout most of the basin and adjacent		Tag xx xx xxx	Mt. Rorah Coal Bed	De Long Coal	
states and is a stratigraphic marker because of its distinctive low resistivity The original resource of the Colchester been mined. Approximately 5% of the	coa	al in the State	of Illinois totals 19	billion tons, 0.5 b	illion of which h

- 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.

References:



-900 to -800 ft

< -900 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.

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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