

Herrin Coal Elevation

WABASH County

For further information contact:
 Prairie Research Institute
 Illinois State Geological Survey
 University of Illinois at Urbana-Champaign
 615 East Peabody Drive
 Champaign, Illinois 61820-6964
 (217) 333-4747
 http://www.igs.illinois.edu

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.igs.illinois.edu>

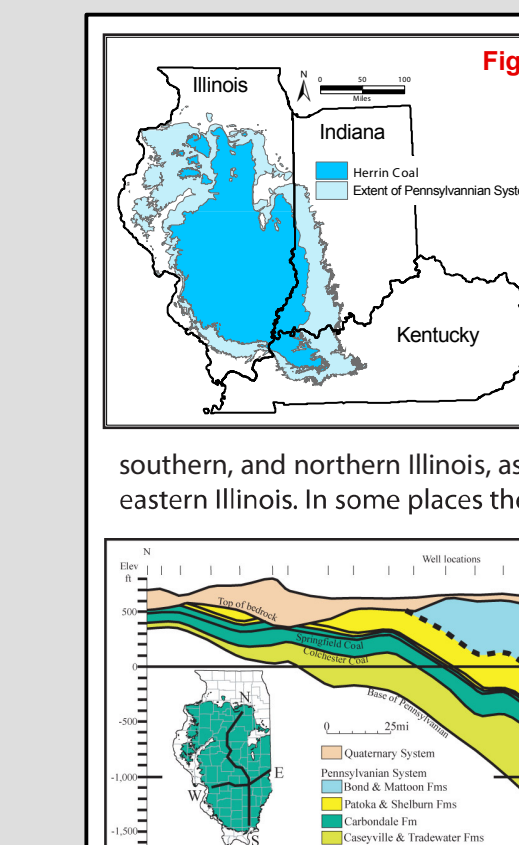
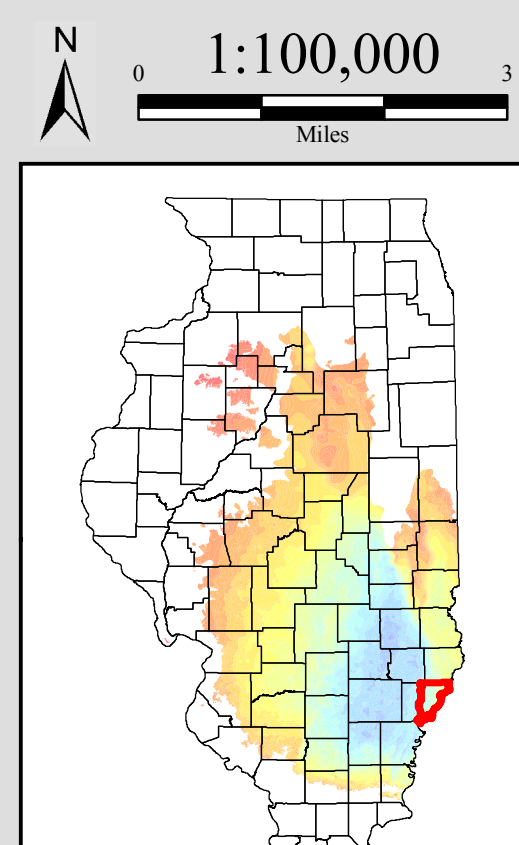
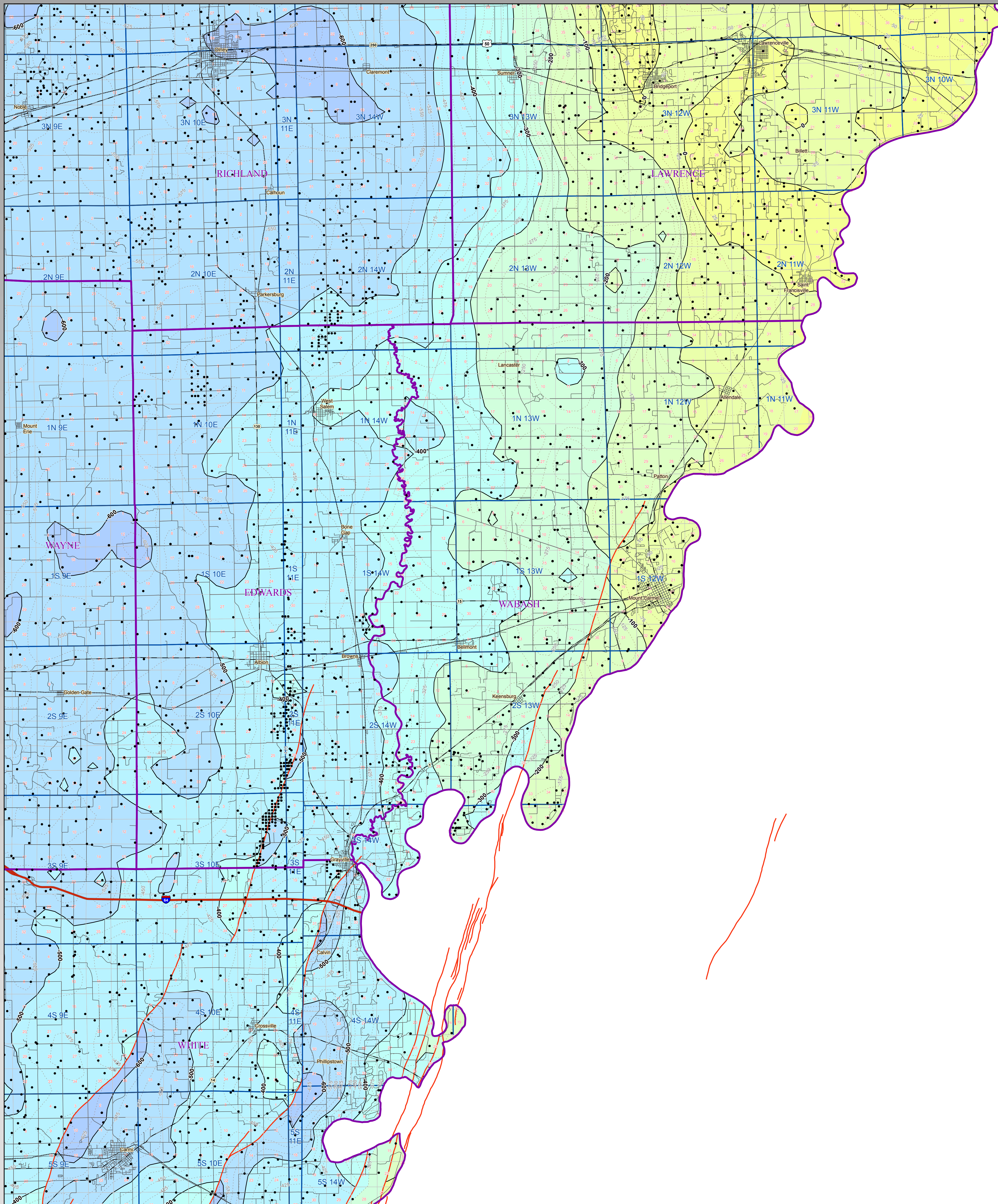
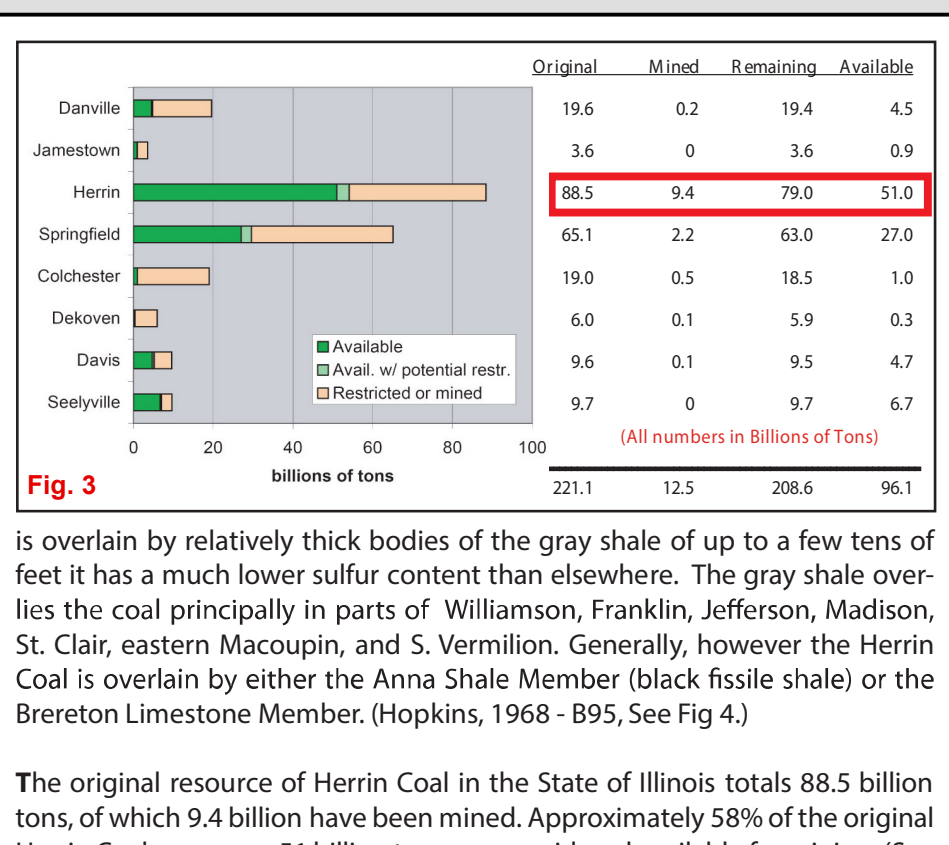
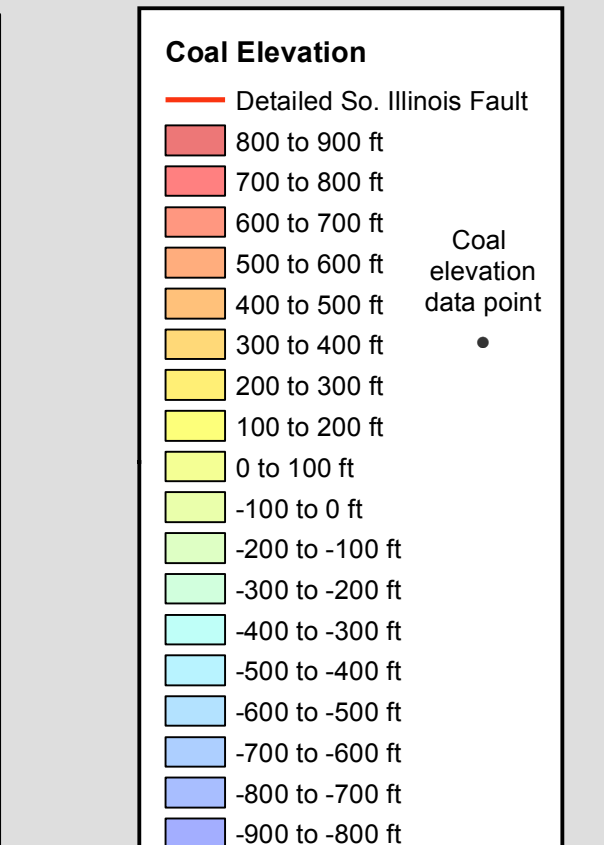
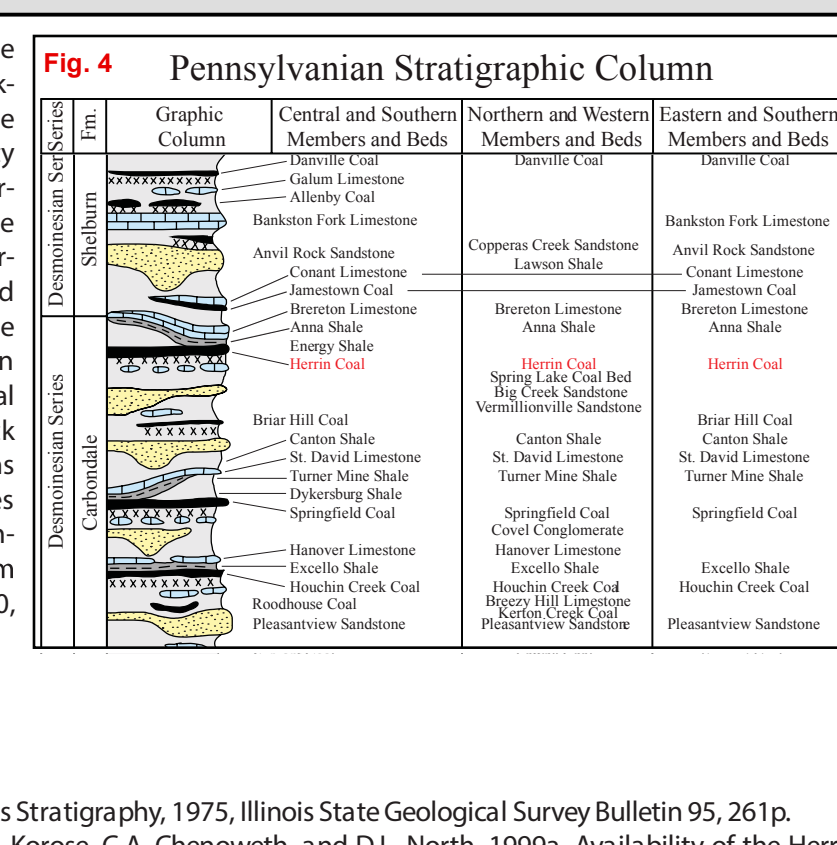


Fig. 1 The Herrin Coal underlies about two thirds of Illinois as well as portions of western Indiana and western Kentucky. The coal crops out along the margins of the Illinois Basin and reaches a maximum depth in Illinois of about 1,300 feet. (See Fig. 1 and Fig. 2.) The Herrin Coal is a normal bright-banded 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 Sandstone Member. In parts of Illinois, silty gray shale as much as 100 feet thick overlies the Herrin Coal. Associated with this shale is a channel sandstone commonly as much as a mile wide area 60-80 feet thick mapped as Anvil Rock Sandstone and may be contemporaneous with the coal. In areas where the coal



is overlain by relatively thick bodies of the gray shale of up to a few tens of feet it has a much lower sulfur content than elsewhere. The gray shale overlies the coal principally in parts of Williamson, Franklin, Jefferson, Madison, St. Clair, eastern Macoupin, and S. Vermilion. Generally, however the Herrin Coal is overlain by either the Anna Shale Member (black fissile shale) or the Breerton Limestone Member. (Hopkins, 1968 - 89; See Fig. 4.)



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.

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