

Seelyville Coal Thickness

CLAY County

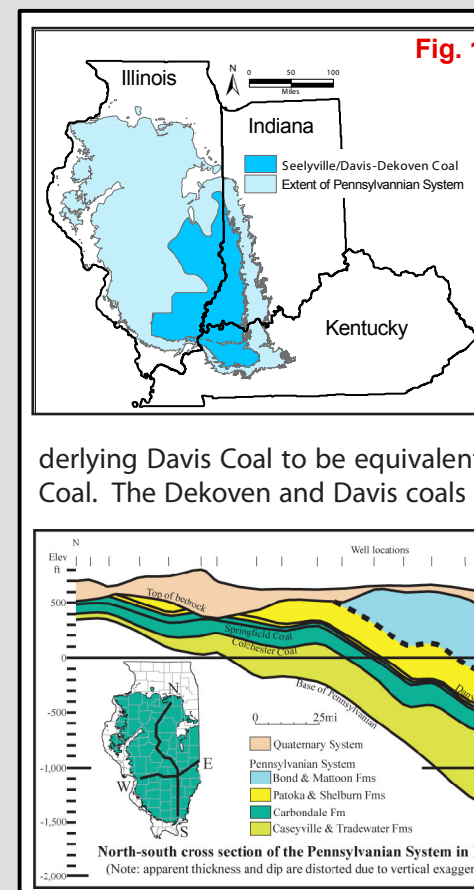
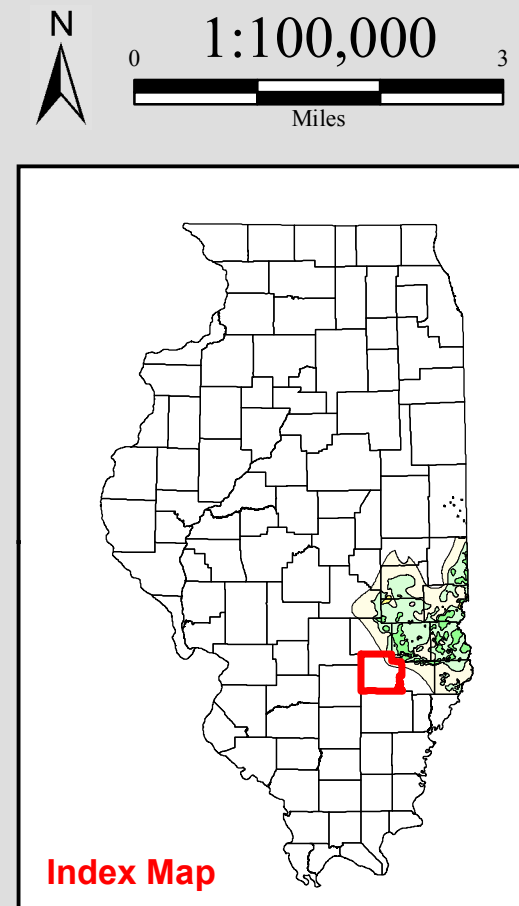
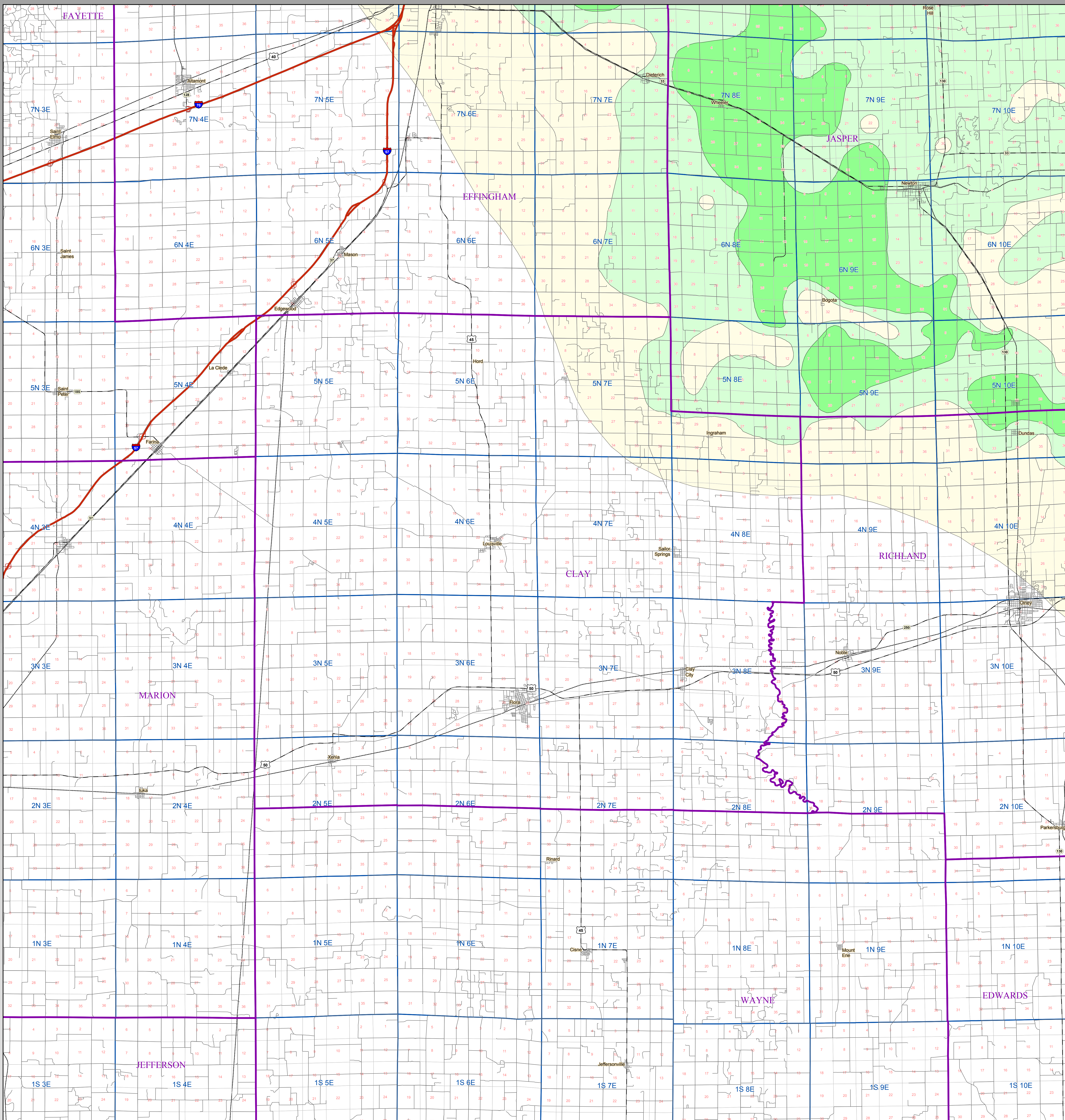


Fig. 1 The Seelyville Coal underlies east central Illinois as well as portions of western Indiana and western Kentucky. The outcrop of the Seelyville Coal has been mapped widely in Indiana and reaches a maximum depth in Illinois of about 1,500 feet in Jasper County. (See Fig 1 and Fig 2) The Seelyville Coal occurs near the base of the Carboniferous formation which is part of the Desmoinesian Series (See Fig 4). In Indiana, the Seelyville Coal has been extensively mined.

Jacobson (1987) found the Dekoven Coal and underlying Davis Coal to be equivalent to the upper and lower benches of the Seelyville Coal. The Dekoven and Davis coals are also thought to be correlative to the Wiley and Greenbush coals in North and Western Illinois (See Fig 4).

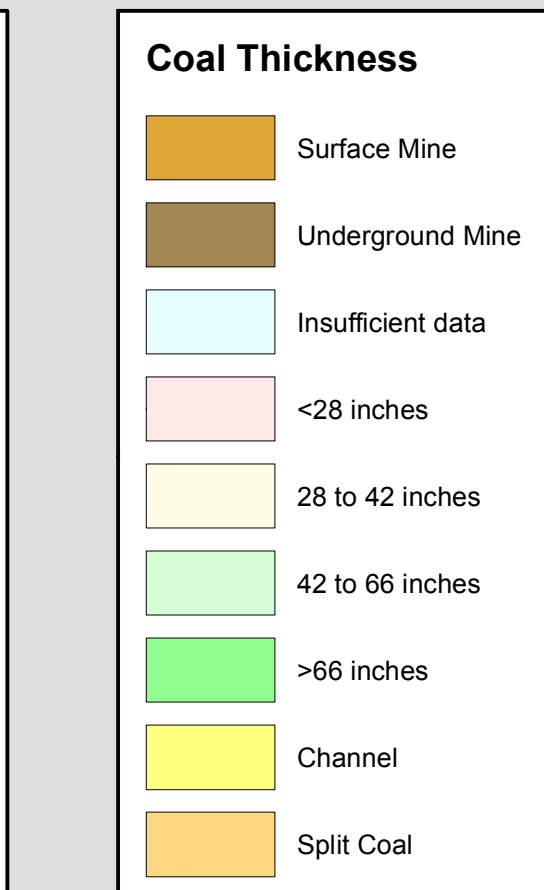
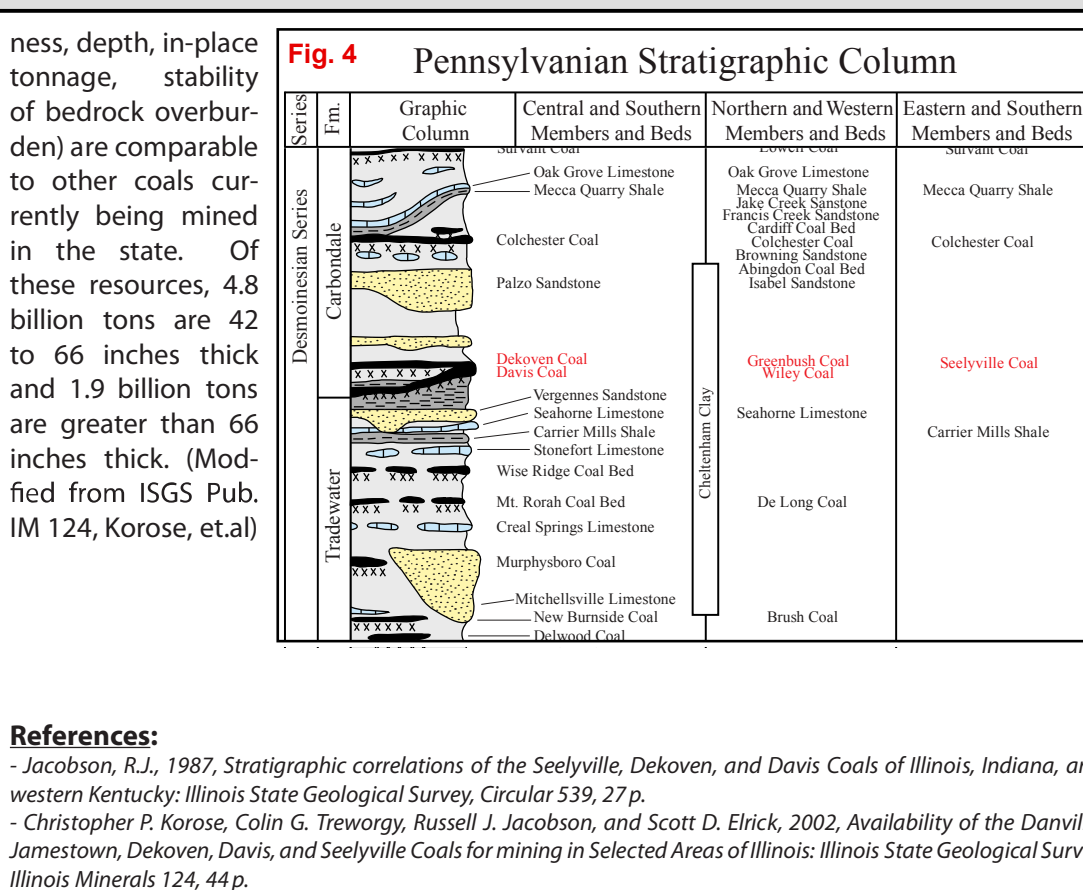
The Dekoven Coal is typically overlain by gray silty shale and siltstone or in places by massive, thick sandstone. These units are laterally variable. The Davis Coal is usually overlain by about 5 feet of marine black shale, with some

| Coal | Original | Mined | Remaining | Availability |
|--------------|--------------|------------|--------------|--------------|
| Danville | 19.6 | 0.2 | 19.4 | 4.5 |
| Jamestown | 1.6 | 0 | 1.6 | 0.9 |
| Hopewell | 65.1 | 9.4 | 79.0 | 31.0 |
| Springfield | 61.1 | 2.2 | 61.0 | 27.0 |
| Colchester | 19.0 | 0.5 | 18.5 | 1.0 |
| Davis | 0.0 | 0.1 | 0.1 | 0.3 |
| Seelyville | 96.0 | 0.1 | 95.4 | 4.7 |
| Total | 327.4 | 0.6 | 326.6 | 47.2 |

(All Numbers in Billions of Tons)

Fig. 3 local areas being gray silty shale or siltstone. In southeastern Illinois, a parting occurs in the Dekoven Coal, producing a lower split called the lower Dekoven Coal that is usually less than 28 inches thick. This lower split lies a few inches below the main Dekoven Coal seam in the southern portion of mapped Dekoven Coal area and up to 40 feet below in the north. (Modified from ISGS Pub. IM 124, Korose, et al)

The original resources of the Seelyville Coal in the State of Illinois totals 9.7 billion tons. Approximately 69% of the original resources, 6.7 billion tons, are considered available for mining (See Fig 3). Available means that the surface land-use and geologic conditions related to mining of the deposit (e.g. thick-



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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