## ILLINOIS AT URBANA-CHAMPAIGN Institute of Natural Resource Sustainability William W. Shilts, Executive Director ILLINOIS STATE GEOLOGICAL SURVEY E. Donald McKay III, Interim Director For more information contact: Institute of Natural Resource Sustainablity Illinois State Geological Survey 615 East Peabody Drive Champaign, Illinois 61820-6964

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## Herrin Coal Thickness LIVINGSTON County

County Coal Map Series

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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 http://www.isgs.illinois.edu/maps-data-pub/coal-maps/county-index.shtml Leonore Wilmington Brooklyn -GRUNDY 31N 9E 31N 8E 31N 6E 31N 4E 31N 2E Union Hill KANKAKEE 30N 8E 30N 5E 30N 6E Buckingham Campus 29№ 9E 29N 5E 29N 4E 29N 2E 28N 6E 28N 4E 28N 3E 28N 2E **LIVINGSTON** 27N 9E WOODFORD 27N 8E 27N 7E/ 27N 6E 27N 5E 27N 4E 27N 3E 27N 2E 26N 9E 26N 8E 26N 7E 26N 5E 26N 4E 26N 3E 26N MCLEAN 25N 6E 25N 7E 25N 2E Hudson Anchor 24N 9E 24N 7E 24N 4E 24N 3E-24N 6E 24N 5E **The Herrin Coal** underlies about two thirds of Illated to mining of the **Coal Thickness Map Explanation** Pennsylvanian Stratigraphic Column Original Mined Remaining Available linois as well as portions of western Indiana and deposit (e.g. thick-Central and Southern Northern and Western Eastern and Southern western Kentucky. The coal crops out along the ness, depth, in-place Indiana Members and Beds | Members and Beds | Members and Beds Surface Mine margins of the Illinois Basin and reaches a maxitonnage, stability 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 Galum Limestor
Allenby Coal mum depth in Illinois of about 1,300 feet. (See Fig of bedrock overburpresent interpretations of the geology of the area and are based on available data. I. and Fig 2.) The Herrin Coal is a normal brightden) are comparable **Underground Mine** However, these interpretations are based on data that may vary with respect to accuracy banded coal. Its lower portion contains a promi-Anvil Rock Sandston to other coals cur-Lawson Shale Conant Limeston of geographic location, type, quantity, and reliability, as they were supplied to the Illinois nent claystone parting (the "blue band") that norrently being mined State Geological Survey. Consequently, the accuracy of the interpreted features shown mally is 1-3 inches thick. It averages more than 6 in the state. Of these Insufficient data Anna Shale Anna Shale in these files is subject to the limitations of the data and varies from place to place. eet thick in extensive areas and locally reaches resources, 21 billion Avail. w/ potential restr 15 feet. It is thin in much of central Illinois but has tons occur in coal Contoured features less than 7 million square feet (about 1/2 mile square) in area <28 inches Briar Hill Coal Canton Shale may not be accurately portrayed or resolved. This data set provides a large-scale been extensively mined in western, west-central, 42 to 66 inches thick Canton Shale conceptual model of the geology of the area on which to base further work. southern, and northern Illinois, as well as in the southern part of the Danville region of and 30 billion tons 12.5 These data are not intended for use in site-specific screening or decision-making. eastern Illinois. In some places the coal is cut out by channels filled with the Anvil Rock occur in thicknesses 28 to 42 inches

> Sandstone Member. In parts is overlain by relatively thick bodies of the gray shale of up to a few tens of greater than 66 inchof Illinois, silty gray shale as feet it has a much lower sulfur content than elsewhere. The gray shale over- es. (Modified from

much as 100 feet thick over- lies the coal principally in parts of Williamson, Franklin, Jefferson, Madison, ISGS Pub. IM 120,

Rock Sandstone and may be tons, of which 9.4 billion have been mined. Approximately 58% of the original - Handbook of Illinois Stratigraphy, 1975, Illinois State Geological Survey Bulletin 95, 261p.

lies the Herrin Coal. Associ- St. Clair, eastern Macoupin, and S. Vermilion. Generally, however the Herrin Treworgy, et al)

80 feet thick mapped as Anvil The original resource of Herrin Coal in the State of Illinois totals 88.5 billion References:

ated with this shale is a chan- Coal is overlain by either the Anna Shale Member (black fissile shale) or the

contemporaneous with the Herrin Coal resources, 51 billion tons, are considered available for mining. (See

coal. In areas where the coal Fig 3.) Available means that the surface land-use and geologic conditions re-

nel sandstone commonly as Brereton Limestone Member. (Hopkins, 1968 - B95, See Fig 4.)

much as a mile wide and 60-

Excello Shale Houchin Creek Coal

42 to 66 inches

>66 inches

Channel

Split Coal

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

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basis of the information presented here.

Excello Shale
Houchin Creek Coal
Breezy Hill Limestone
Kerton Creek Coal
Pleasantview Sandstore

- Treworgy, C.G., C.P. Korose, C.A. Chenoweth, and D.L. North, 1999a, Availability of the Herrin

Coal for mining in Illinois: Illinois State Geological Survey Illinois Minerals 120, 54 p.