County Coal Map Series Seelyville Coal Thickness ILLINOIS AT URBANA-CHAMPAIGN Andrew Louchios, Scott Elrick, Chris Korose, David Morse Institute of Natural Resource Sustainability William W. Shilts, Executive Director Map construction: October 27, 2009 ILLINOIS STATE GEOLOGICAL SURVEY MOULTRIE 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 This product is under review and may not meet the standards of the Illinois State Geological Survey. County (217) 333-4747 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 -CHAMPAIGN 17N 7E 17N 6E 17N 5E PIATI 16N 8E 16N 7E 16N 6E 16N 5É 16N 4E 16N 3E DOUGLAS 15N 3E Lovington 14N 6E 14N 4E 13N 5E 13N 3E MOULTRIE COLES -CHRISTIAN 12N 6E 12N 7E 12N 5E 12N 4E 11N 8E 11N 5E 11N 6E 11N 4E 11N 2E CUMBERLAND Lakewood 10N 5E 10N 3E 10N 2E ness, depth, in-place Fig. 4 Fig. 1 The Seelyville Coal underlies east central Illi-**Coal Thickness Map Explanation** Pennsylvanian Stratigraphic Column tonnage, stability nois as well as portions of western Indiana and Central and Southern Northern and Western Eastern and Southern Members and Beds Members and Beds Members and Beds western Kentucky. The outcrop of the Seelyville of bedrock overbur-Indiana Coal has been mapped widely in Indiana and Surface Mine den) are comparable 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 reaches a maximum depth in Illinois of about present interpretations of the geology of the area and are based on available data. 1,500 feet in Jasper County. (See Fig 1 and Fig rently being mined Underground Mine However, these interpretations are based on data that may vary with respect to accuracy 2) The Seelyville Coal occurs near the base of Colchester Coal of geographic location, type, quantity, and reliability, as they were supplied to the Illinois the Carbondale formation which is part of the State Geological Survey. Consequently, the accuracy of the interpreted features shown Desmoninesian Series (See Fig 4). In Indiana, billion tons are 42 Insufficient data in these files is subject to the limitations of the data and varies from place to place. the Seelyville Coal has been extensively mined. to 66 inches thick Seelyville Coal Avail. w/ potential restr. and 1.9 billion tons Contoured features less than 7 million square feet (about 1/2 mile square) in area <28 inches - Seahorne Limeston - Carrier Mills Shale Jacobson (1987) found the Dekoven Coal and unare greater than 66 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. derlying Davis Coal to be equivalent to the upper and lower benches of the Seelyville inches thick. (Mod-These data are not intended for use in site-specific screening or decision-making. Coal. The Dekoven and Davis coals are also thought to be correlative to the Wiley and fied from ISGS Pub. 28 to 42 inches Greenbush coals in North and local areas being gray silty shale or siltstone. In southeastern Illinois, a parting IM 124, Korose, et.al) Western Illinois (See Fig 4). occurs in the Dekoven Coal, producing a lower split called the lower Dekoven 42 to 66 inches Coal that is usually less than 28 inches thick. This lower split lies a few inches Disclaimer The Dekoven Coal is typically below the main Dekoven Coal seam in the southern portion of mapped Dekoverlain by gray silty shale oven Coal area and up to 40 feet below in the north. (Modified from ISGS Pub. >66 inches 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 and siltstone or in places by IM 124, Korose, et.al) massive, thick sandstone. data set and accept no liability for the consequences of decisions made by others on the Channel These units are laterally vari The original resources of the Seelyville Coal in the State of Illinois totals 9.7 - Jacobson, R.J., 1987, Stratigraphic correlations of the Seelyville, Dekoven, and Davis Coals of Illinois, Indiana, and basis of the information presented here. able. The Davis Coal is usubillion tons. Approximately 69% of the original resources, 6.7 billion tons, are western Kentucky: IIIIIIOIS State Geological Survey, Circuial 335, 27 p. - Christopher P. Korose, Colin G. Treworgy, Russell J. Jacobson, and Scott D. Elrick, 2002, Availability of the Danville, western Kentucky: Illinois State Geological Survey, Circular 539, 27 p. ally overlain by about 5 feet of considered available for mining (See Fig 3). Available means that the surface Jamestown, Dekoven, Davis, and Seelyville Coals for mining in Selected Areas of Illinois: Illinois State Geological Survey Split Coal © 2009 Board of Trustees of the University of Illinois. All rights reserved. marine black shale, with some land-use and geologic conditions related to mining of the deposit (e.g. thick- Illinois Minerals 124, 44 p.