County Coal Map Series ILLINOIS AT URBANA-CHAMPAIGN Springfield Coal Thickness Andrew Louchios, Scott Elrick, Chris Korose, David Morse Institute of Natural Resource Sustainability William W. Shilts, Executive Director Map construction: October 28, 2009 ILLINOIS STATE GEOLOGICAL SURVEY CASS 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 4Ň 4Ė 4N 2W Industry 4N 1W 4N 2E 4N-3E MCDONOUGH 21N 8W 21N 7W 21N 9W 3N 3E 3N 2W 20N 9W 20N 8W 20N 7W MASON 20N 10W SCHUYLER 19N 10W 18N 11W 18N 10W 1S 2W BROWN 17N 12W -17N-11W 2^s 1W 2S 2W SANGA<u>MON</u> 16N 12W 16N 11W 16N 10W 16N 8W 16N 7W 15N 11W 15N 7W MORGAN SCOT 14N 14W 14N 13W 14N 8W 14N 7W **The Springfield Coal** underlies about two thirds the Illinois River. The **Coal Thickness Map Explanation** Pennsylvanian Stratigraphic Column of Illinois as well as portions of western Indiana coal is thin or absent Central and Southern Morthern and Western Eastern and Southern Members and Beds Members and Beds Members and Beds and western Kentucky. The coal crops out along in the southwestern Indiana the margins of the Illinois Basin and reaches a and extreme north-Surface Mine 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 maximum depth in Illinois of about 1,300 feet. ern portions of the present interpretations of the geology of the area and are based on available data. (See Fig 1. and Fig 2.) The Springfield Coal is in coal field. (Modified **Underground Mine** However, these interpretations are based on data that may vary with respect to accuracy Briar Hill Coal Canton Shale St. David Limeston Turner Mine Shale the Carbondale formation which is part of the from ISGS Pub. IM Canton Shale St. David Limestone Turner Mine Shale of geographic location, type, quantity, and reliability, as they were supplied to the Illinois Desmoninesian Series. (See Fig. 4) The Springfield 118, Treworgy, et al) State Geological Survey. Consequently, the accuracy of the interpreted features shown Coal is normally overlain by a black fissile shale Insufficient data in these files is subject to the limitations of the data and varies from place to place. called the Turner Mine shale, but in southeastern Avail. w/ potential restr Hanover Limestone Excello Shale Houchin Creek Coal Breezy Hill Limestone Kerton Creek Coal Pleasantview Sandstone Illinois, in a belt several miles wide that trends Contoured features less than 7 million square feet (about 1/2 mile square) in area Excello Shale Houchin Creek Coal <28 inches southwestward, the coal is thick and is overlain may not be accurately portrayed or resolved. This data set provides a large-scale 60 by the gray silty Dykersburg Shale. In that belt the coal is commonly split by shale partconceptual model of the geology of the area on which to base further work. 12.5 Lowell Coal These data are not intended for use in site-specific screening or decision-making. ings, and contains less pyrite than where it is overlain by the black fissile shale (Hopkins, 28 to 42 inches means that the surface land-use and geologic conditions related to mining of the deposit (e.g. thickness, depth, in-place tonnage, stability of bedrock over-Colchester Coal 42 to 66 inches The original resource of burden) are comparable to other coals currently being mined in the state. Of **Disclaimer** Springfield Coal in the State these resources, 23 billion tons occur in coal 42 to 66 inches thick and 4 billion of Illinois totals 65.1 billion tons occur in thicknesses greater than 66 inches thick. >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 tons, of which 2.2 billion have been mined. Approximately **T**he Springfield Coal has been mined in Illinois for well over 100 years. The data set and accept no liability for the consequences of decisions made by others on the Channel 41% of the original Springfield thickest resources of Springfield Coal in Illinois are found in the central part of basis of the information presented here. Coal resources, 27 billion tons, the state around the city of Springfield and in the southeastern part of the state - Handbook of Illinois Stratigraphy, 1975, Illinois State Geological Survey Bulletin 95, 261p. - Treworgy, C.G., C.P. Korose, C.A. Chenoweth, and D.L. North, 1999a, Availability of the Springfield are considered available for along the Galatia Channel. Recent and historical mining of the coal has been Split Coal © 2009 Board of Trustees of the University of Illinois. All rights reserved. mining (See Fig 3.). Available concentrated in these areas and in shallow surface minable deposits west of coal for mining in Illinois: Illinois State Geological Survey Illinois Minerals 118, 43 p.