

- Trent, G.C., 1994, Quaternary history and engineering properties of the surficial deposits associated with Pleistocene Lake Muddy, and stack-unit mapping of the Murphysboro 7.5-minute Quadrangle, Jackson County, Illinois: M.S. thesis, Southern Illinois University, Carbondale, 162 p.
- Willman, H.B., and J.C. Frye, 1970, Pleistocene stratigraphy of Illinois: Illinois State Geological Survey, Bulletin 94, 204 p. and 3 plates.
- Willman, H.B., and J.C. Frye, 1980, The glacial boundary in southern Illinois: Illinois State Geological Survey, Circular 511, 23 p.

Data Type

- Outcrop of special note, shown where unit or contact was well exposed at time of mapping
- Stratigraphic boring
- Water-well boring

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- Engineering boring
- Probe test hole Φ
- Labels indicate samples (s), geophysical log (G), or core (C). SG_26211 Numeric labels indicate total depth of boring in feet.
- Label name indicates well name. Dot indicates location accurate within 100 feet.
- Contact
- _ _ _ _ Inferred contact
- Note: The county number is a portion of the 12-digit API number on file at the ISGS Geological Records Unit. Online well and boring records are available from the ISGS Web site.

Base map compiled by Illinois State Geological Survey from digital data (Raster Feature Separates) provided by the United States Geological Survey. Topography compiled 1963. Planimetry derived from imagery taken 1993. PLSS and survey control current as of 1996.

North American Datum of 1927 (NAD 27) Projection: Transverse Mercator 10,000-foot ticks: Illinois State Plane Coordinate system, west zone (Transverse Mercator) 1,000-meter ticks: Universal Transverse Mercator grid system, zone 16

Recommended citation:

Nelson, W.J., 2013, Surficial Geology of Carbondale Quadrangle, Jackson and Williamson Counties, Illinois: Illinois State Geological Survey, Illinois Geologic Quadrangle Map, IGQ Carbondale-SG, 1:24,000.



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ROAD CLASSIFICATION	
U.S. Route	
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State Route

Geology based on field work by W. John Nelson, 2000-2001.

Geological Survey.

Digital cartography by Jane E. Johnshoy Domier and Trisha S. Rentschler, Illinois State

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basis of the information presented here. The geologic interpretations are based on data

that may vary with respect to accuracy of geographic location, the type and quantity of

data available at each location, and the scientific and technical qualifications of the data

sources. Maps or cross sections in this document are not meant to be enlarged.

Local road

IGQ Carbondale-SG