

Drill Holes from which subsurface data were obtained

Engineering boring

Stratigraphic boring

Water well

-0-Dry hole

-Q-Dry hole - show of gas

Dry hole - show of oil

Labels indicate core (c), geophysical log (g), or samples (s). ^{CGS} · Numeric label indicates total depth of boring in feet. Dot indicates location accurate within 100 feet.

> Line Symbols dashed where inferred

Contact

<u>— 350</u> — Structure contours of elevation of bedrock surface, contour interval 50 feet

A—A' Line of cross section

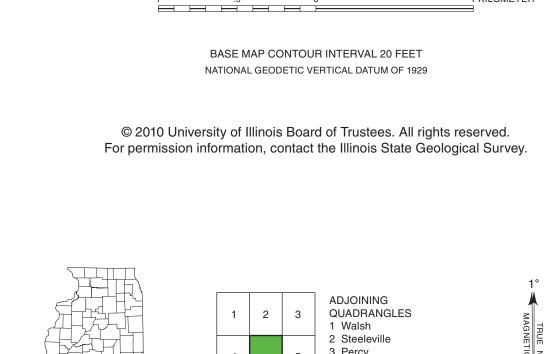
Note: Well and boring records are on file at the ISGS Geological Records Unit and are available online from the ISGS Web site.

Base map compiled by Illinois State Geological Survey from digital data (Raster Feature Separates) provided by the United States Geological Survey. Topography by photogrammetric methods from aerial photographs taken 1965. Field checked 1968.

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., and D.A. Grimley, 2010, Surficial Geology of Welge Quadrangle, Randolph and Jackson Counties, Illinois: Illinois State Geological Survey, Illinois Geologic Quadrangle Map, IGQ Welge-SG, 1:24,000, report, 6 p.



2000

SCALE 1:24,000

3000

4000

1000

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ROAD CLASSIFICATION			
Primary highway, hard surface Secondary highway,		Light-duty road, hard or improved surface	
hard surface		Unimproved road	
	State Route		

Geology based on field work by W. John Nelson, 2005–2006, and data analysis by David

Digital cartography by Jane E.J. Domier, Shannon M. Geegan, Steven M. Radil, and

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

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

document and accept no liability for the consequences of decisions made by others on the

Jennifer E. Carrell, Illinois State Geological Survey.

A. Grimley, 2009.

1 MILE

5000 6000 7000 FEET

1 KILOMETER

IGQ Welge-SG