

# BEDROCK GEOLOGY OF KASKASKIA QUADRANGLE

## RANDOLPH COUNTY, ILLINOIS, AND

### STE. GENEVIEVE AND PERRY COUNTIES, MISSOURI

Prairie Research Institute  
ILLINOIS STATE GEOLOGICAL SURVEY

Illinois Geologic Quadrangle Map  
IGQ Kaskaskia-BG

Mary J. Seid  
2013

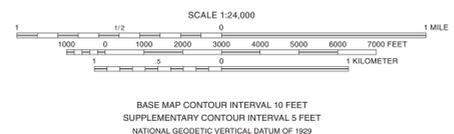


EXPLANATION	
af	Artificial fill
Qc(s)	Cahokia Formation, sandy deposits
Qc(c)	Cahokia Formation, clayey deposits
Qc(t)	Cahokia Formation, terrace deposits
Oe	Equality Formation
Unconformity	Unconformity
Pcv	Caseville Formation
Unconformity	Unconformity
Mp	Palestine Sandstone
Mm	Menard Limestone
Mwvt	Waltersburg Formation, Vienna Limestone, and Tar Springs Formation
Mgdh	Glen Dean Limestone and Hardinsburg Formation
Mg	Golconda Formation
Units not exposed on Illinois part of quadrangle	
My	Yankeetown Sandstone
Mr	Renault Formation
Mav	Aux Vases Sandstone
Unconformity	Unconformity
Msg	St. Genevieve Limestone
Msl	St. Louis Limestone
Msm	Salem Limestone

Symbols	
40	Strike and dip of bedding; number indicates degree of dip
Vertical line	Vertical joint
Abandoned pit	Abandoned pit or quarry
Outcrop symbol	Outcrop of special note, shown where contact or map unit was well exposed at time of mapping
Drill Holes	
Water well symbol	Water well
Dry oil-test hole symbol	Dry oil-test hole
Numerical label	Numerical label indicates county number of boring.
Line Symbols	
Dashed line	dashed where inferred
Solid line	Contact
A-A'	Line of cross section

Note: Well and boring records in Illinois are on file at the ISGS Geological Records Unit and are available online from the ISGS website.

Base map compiled by Illinois State Geological Survey from digital data (2011 TIGER/Line Shapefiles) provided by the United States Census Bureau. Shaded relief and contours derived from 2012 ISGS LIDAR source data.  
North American Datum of 1983 (NAD 83)  
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



Illinois geology based on field work by Mary J. Seid, 2011-2012. Missouri geology from Amos (1985), with slight modifications.  
Digital cartography by Jane E. Johnson-Domier and Coy E. Potts, Illinois State Geological Survey. Shaded relief by Donald E. Luman.

This research was supported in part by the U.S. Geological Survey National Cooperative Geologic Mapping Program (STATEMAP) under USGS award number G11AC00477. The views and conclusions contained in this document are those of the authors and should not be interpreted as necessarily representing the official policies, either expressed or implied, of the U.S. Government.

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 document and accept no liability for the consequences of decisions made by others on the basis of the information presented here. The geologic interpretations are based on data that may vary with respect to the 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.

**Recommended citation:**  
Seid, M.J., 2013, Bedrock Geology of Kaskaskia Quadrangle, Randolph County, Illinois, and Ste. Genevieve and Perry Counties, Missouri: Illinois State Geological Survey, Illinois Geologic Quadrangle Map, IGQ Kaskaskia-BG, 2 sheets, 1:24,000.

© 2013 University of Illinois Board of Trustees. All rights reserved.  
For permission information, contact the Illinois State Geological Survey.



ADJOINING QUADRANGLES		
1	2	3
4	5	6
7	8	

1 Prairie du Rocher  
2 Evansville  
3 Walsh  
4 Sainte Genevieve, MO  
5 Chester  
6 Minnith, MO  
7 Lithum, MO  
8 Belgique, MO



Road Classification	
U.S. Route symbol	U.S. Route
State Route symbol	State Route
Other paved roads symbol	Other paved roads

