

and continuous lenses of sand and gravel; as much as 50 feet thick	I-b	
Diamicton, loam to clay loam; reddish brown with lenses of sand and gravel; gradational upper contact with diamicton of the Batestown Mbr.; as much as 30 feet thick	Tiskilwa Formation	Till and ice-marginal sedime
ILLINOIS EPISODE (~200,000	– ~130,000 years B.I	P.)
Diamicton with thick and continuous beds of silt or bouldery sand and gravel; the diamicton is sandy loam, pebbly to cobble-rich (approaching clast supported diamicton), and light brown; as much as 50 feet thick	Glasford Formation (cross sections only)	Till and ice-marginal sediment in bedrock valleys; debris coarseness suggests environ- ment proximal to glacier; thick silt deposits are likely slackwat lacustrine deposits; deposits of coarse, sorted sediment likely occur in channels parallel to the valley walls
PRE-QU	JATERNARY DEP	POSITS
Description	Unit	Interpretation
ORDOVICIAN SYSTEM (490–	440 million years B.P	?)
Shale, dolomite, limestone	Paleozoic bedrock, undifferentiated (cross sections only)	
	Pz	
Shale, shaly dolomite; dolo- mite; brown, gray and greenish gray; the dolomite is vuggy and fossiliferous; about 100 to 210 feet thick	Pz Maquoketa Group (cross sections only) Om	Subtidal to intertidal clastic deposits interbedded with dolomitized carbonate bank deposits (Graese 1991)
mite; brown, gray and greenish gray; the dolomite is vuggy and fossiliferous; about 100 to 210	Maquoketa Group (cross sections only)	deposits interbedded with dolomitized carbonate bank

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 1952 and planetable surveys 1953. Revised from aerial photographs taken 1988. Field checked 1991. Map edited 1993.

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

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SCALE 1:24,000 1 MILE 2000 3000 4000 5000 6000 7000 FEET 1000 1 KILOMETER

BASE MAP CONTOUR INTERVAL 10 FEET NATIONAL GEODETIC VERTICAL DATUM OF 1929

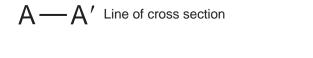
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Digital cartography by Jennifer E. Carrell and Jane E.J. Domier, Illinois State Geological Survey.

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This map has not undergone the formal Illinois Geologic Quadrangle map review process. Whether or when this map will be formally reviewed and published depends on the resources and priorities of the ISGS.

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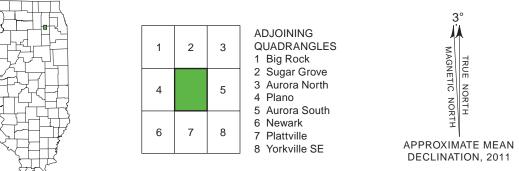


Note: The county number is a portion of the 12-digit API number on file at the ISGS Geological Records Unit. Most well and boring records are available online from the ISGS Web site.



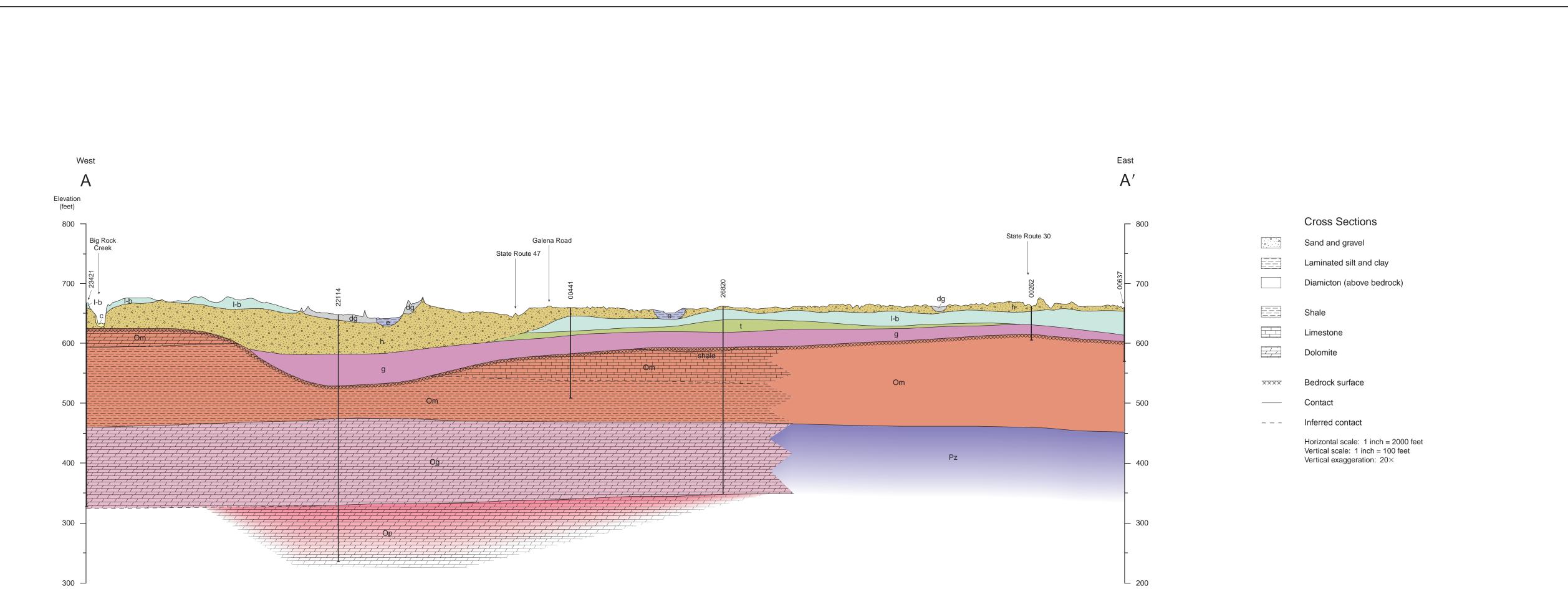


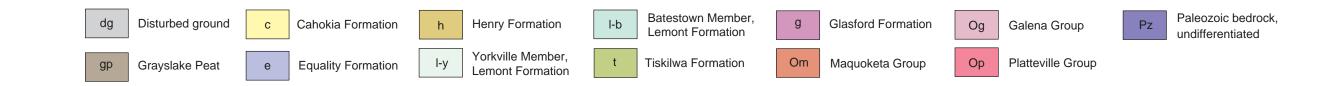
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STATEMAP Yorkville-SG Sheet 1 of 2





STATEMAP Yorkville-SG Sheet 2 of 2

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