

GEOLOGY OF PULASKI COUNTY, ILLINOIS

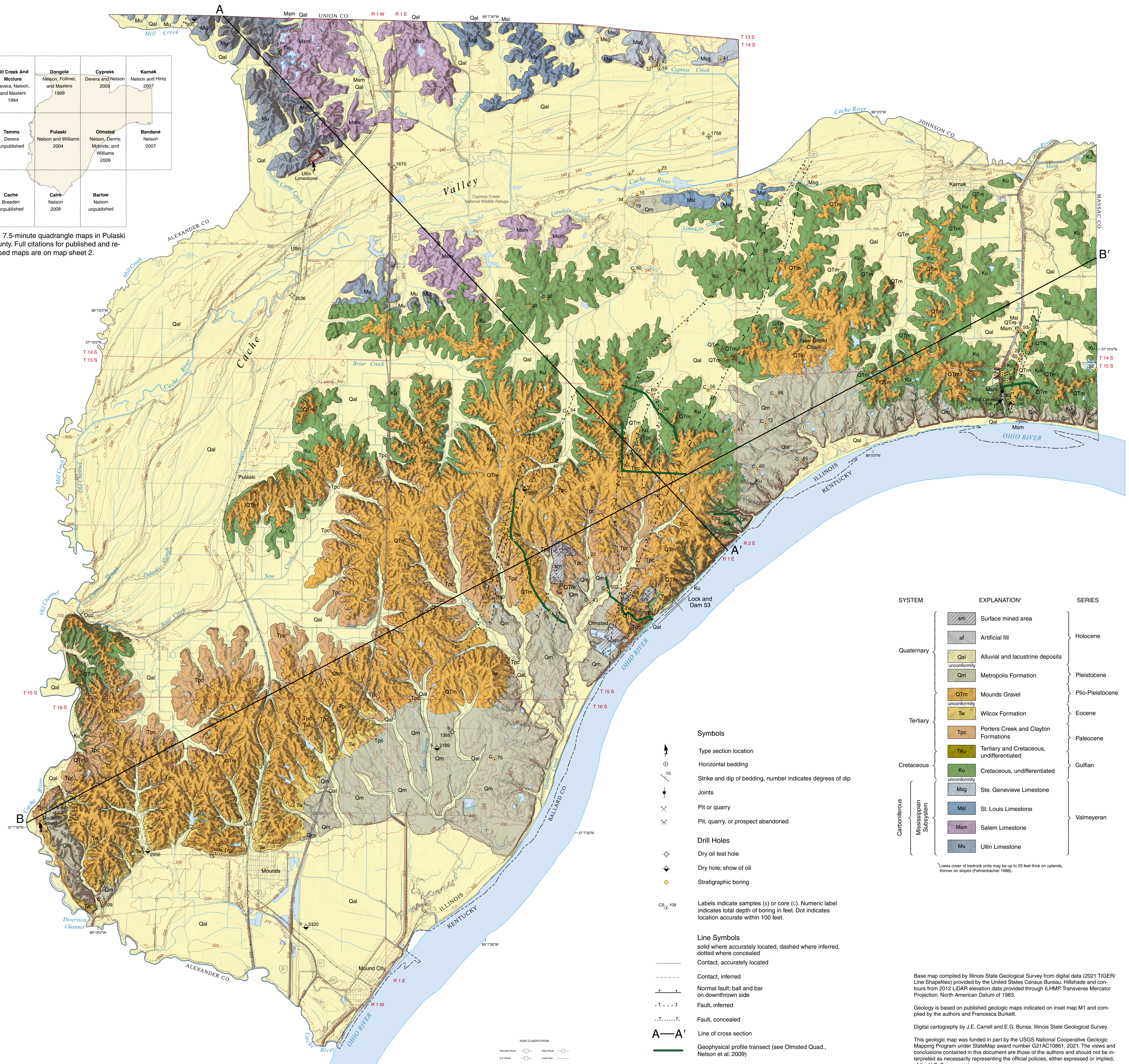
Prairie Research Institute
ILLINOIS STATE GEOLOGICAL SURVEY

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2022

STATEMAP Pulaski County-G

Mill Creek and McClure Devera, Nelson, and Masters 1994	Dongola Nelson, Folmer, and Masters 1999	Cypress Devera and Nelson 2004	Karnak Nelson and Hintz 2007
Tamm Devera unpublished	Pulaski Nelson and Williams 2004	Olmsted Nelson, Denny, McBride, and Williams 2009	Bandana Nelson 2007
Cache Bredeen unpublished	Cairo Nelson 2008	Barlow Nelson unpublished	

M1 7.5-minute quadrangle maps in Pulaski County. Full citations for published and re-released maps are on map sheet 2.

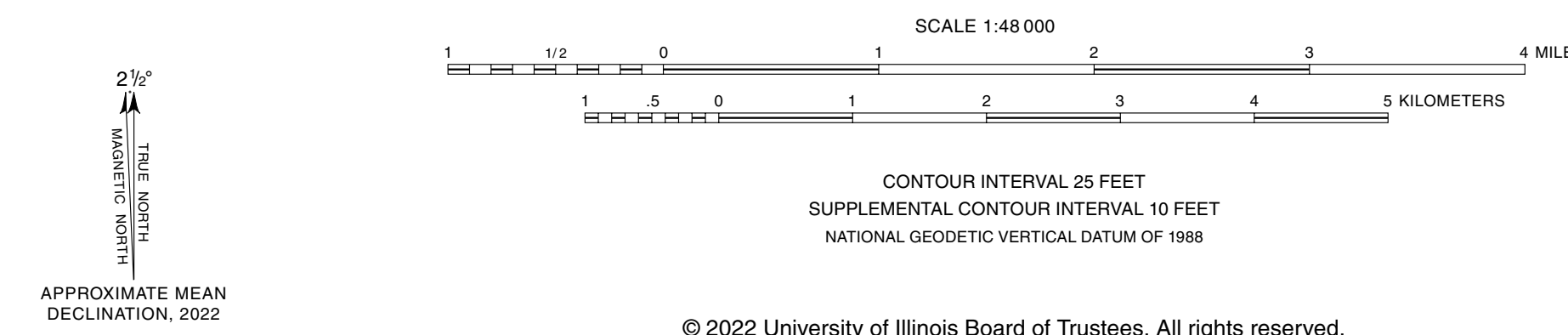


SYSTEM	EXPLANATION ¹	SERIES	
Quaternary	sm Surface mined area	Holocene	
	af Artificial fill		
	Qal Alluvial and lacustrine deposits		
	Qm Metropolis Formation		
Tertiary	QTm Mounds Gravel	Plio-Pleistocene	
	Tw Wilcox Formation		
	Tpc Porters Creek and Clayton Formations		
Cretaceous	TKu Tertiary and Cretaceous, undifferentiated	Paleocene	
	Ku Cretaceous, undifferentiated		
Carboniferous	Msg Ste. Genevieve Limestone	Gulfian	
	Msl St. Louis Limestone		
	Msm Salem Limestone		
	Mu Ullin Limestone		
			Valmeyeran

¹Less cover of bedrock units may be up to 25 feet thick on uplands, thinner on slopes (Fahrenbacher 1986).

- Symbols**
- Type section location
 - Horizontal bedding
 - Strike and dip of bedding, number indicates degrees of dip
 - Joints
 - Pit or quarry
 - Pit, quarry, or prospect abandoned
- Drill Holes**
- Dry oil test hole
 - Dry hole; show of oil
 - Stratigraphic boring
- Line Symbols**
- Labels indicate samples (s) or core (c). Numeric label indicates total depth of boring in feet. Dot indicates location accurate within 100 feet.
 - solid where accurately located, dashed where inferred, dotted where concealed
 - Contact, accurately located
 - Contact, inferred
 - Normal fault; ball and bar on downthrown side
 - Fault, inferred
 - Fault, concealed
 - Line of cross section
 - Geophysical profile transect (see Olmsted Quad., Nelson et al. 2009)

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ADJACENT COUNTIES:
1 Johnson
2 Massac
3 McCracken, KY
4 Ballard, KY
5 Alexander
6 Union

Base map compiled by Illinois State Geological Survey from digital data (2021 TIGER/Line Shapefiles) provided by the United States Census Bureau Hillshade and contours from 2012 LIDAR elevation data provided through ILHMP Transverse Mercator Projection, North American Datum of 1983.

Geology is based on published geologic maps indicated on inset map M1 and compiled by the authors and Francesca Burkett.

Digital cartography by J.E. Carrell and E.G. Bunse, Illinois State Geological Survey.

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This map has not undergone the formal Illinois County Geologic Map 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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