

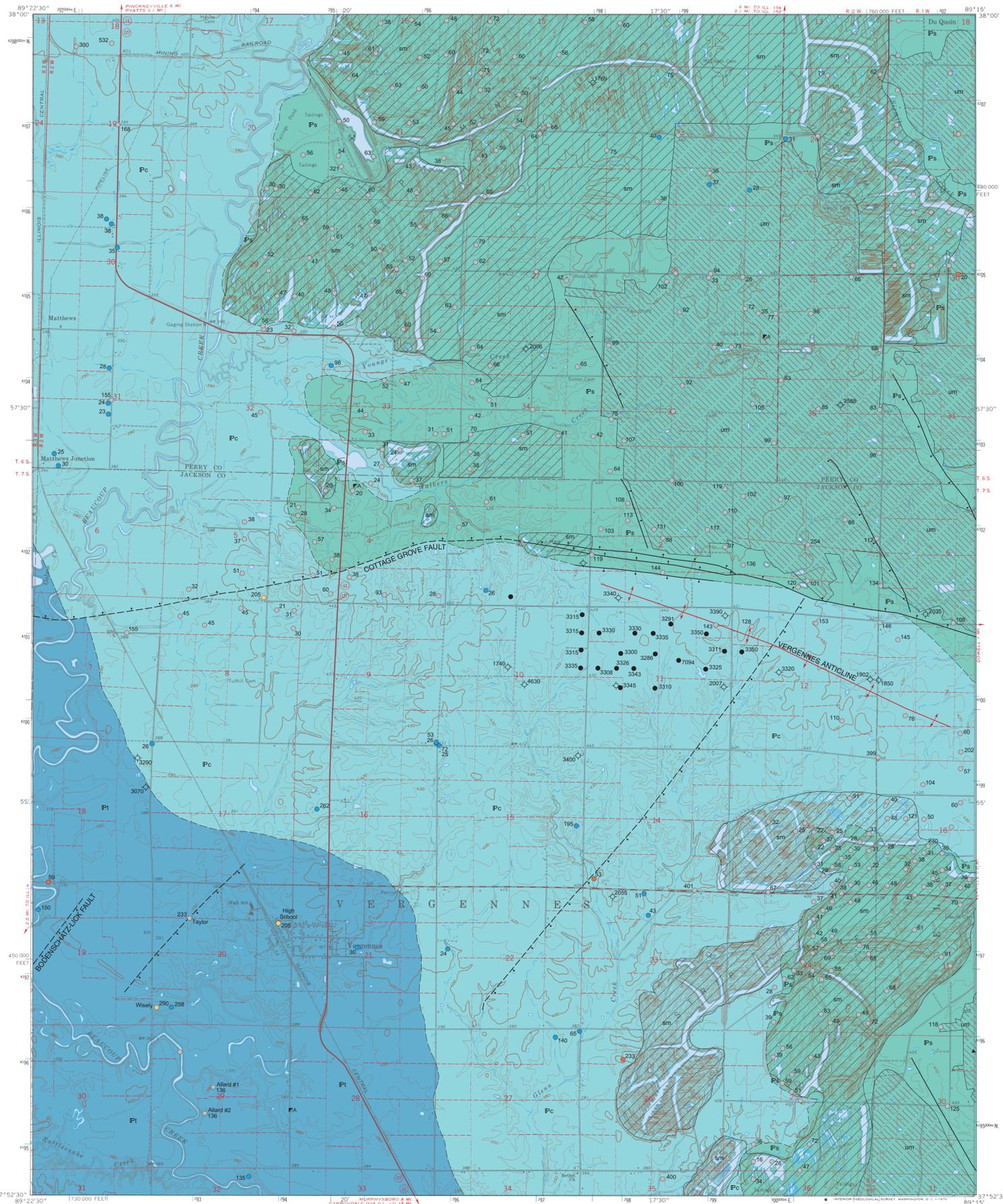
# BEDROCK GEOLOGY OF VERGENNES QUADRANGLE

## PERRY AND JACKSON COUNTIES, ILLINOIS

Illinois Department of Natural Resources  
ILLINOIS STATE GEOLOGICAL SURVEY  
William W. Shilts, Chief

Illinois Preliminary Geologic Map  
IPGM Vergennes-BG

Russell J. Jacobson and F. Brett Denny  
2007



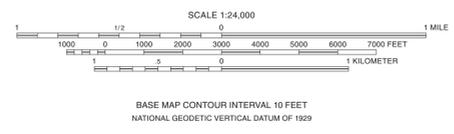
EXPLANATION	
	Surface mine (coal)
	Underground mine (coal)
	Shelburn Formation
	Carbondale Formation
	Tradewater Formation
	Desmoinesian
	Atokan

Symbols	
	Open pit mine (abandoned)
	Slope mine (abandoned)
<b>Drill Holes</b> from which subsurface data was obtained. Numbers indicate total depth of boring in feet.	
	Stratigraphic boring (ISGS)
	Water well
	Engineering boring
	Coal boring
	Oil well
	Dry hole
<b>Line Symbols</b> dashed where inferred	
	Contact
	Normal fault
	Normal fault: bar and ball on downthrown side
	High angle reverse fault: triangles on upthrown side
	Anticline

Note: This is a subcrop map, showing bedrock surface with all Quaternary deposits removed. Geology shown as it was prior to surface mining.

Base map compiled by Illinois State Geological Survey from digital data 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



Released by the authority of the State of Illinois: 2007

Geology based on field work by R. Jacobson, 2005-2006.

Digital cartography by J. Domier, T. Goepfinger, M. Widener and S. Geegan, Illinois State Geological Survey, Illinois State Geological Survey.

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This geologic map was funded in part by the USGS National Cooperative Geologic Mapping Program. The views and conclusions contained in this document are those of the author and should not be interpreted as necessarily representing the official policies, either expressed or implied, of the U.S. Government.

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

