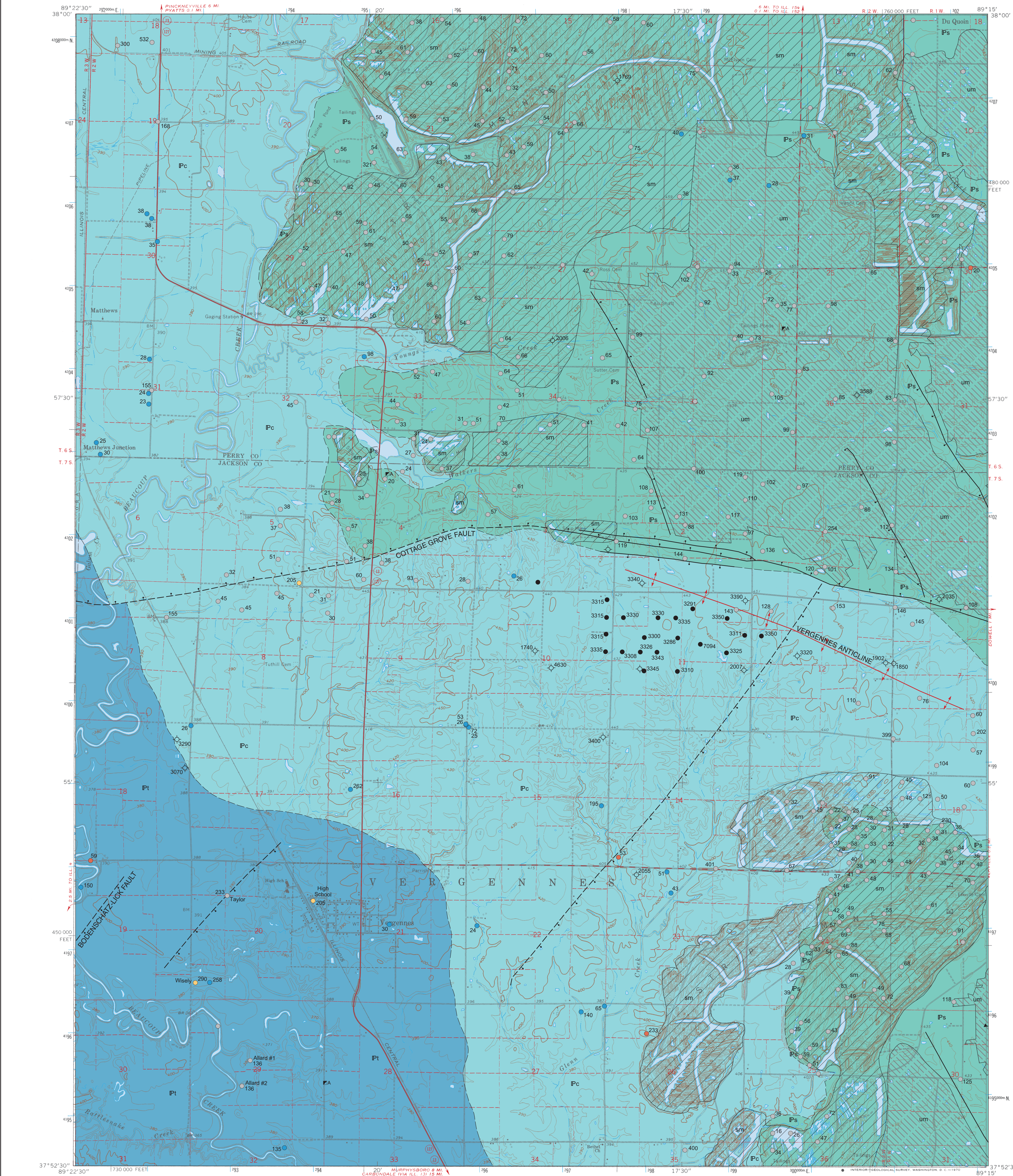


BEDROCK GEOLOGY OF VERGENNES QUADRANGLE
PERRY AND JACKSON COUNTIES, ILLINOIS

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

Russell J. Jacobson and F. Brett Denny
2007

Illinois Preliminary Geologic Map
IPGM Vergennes-BG



EXPLANATION

sm Surface mine (coal)

um Underground mine (coal)

Peninsularian

Desmoinesian

Atokan

Symbols

Open pit mine (abandoned)

Slope mine (abandoned)

Drill Holes

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

Line Symbols

dashed where inferred

Contact

Normal fault

Normal fault: bar and ball on downthrown side

High angle reverse fault: triangles on upthrown side

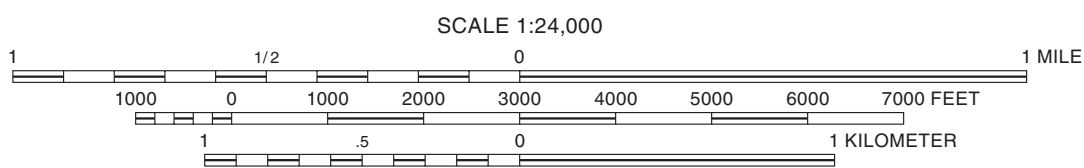
Anticline

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

Recommended citation:
Jacobson, R.J. and F.B. Denny, 2007, Bedrock Geology of Vergennes Quadrangle, Perry and Jackson Counties, Illinois: Illinois State Geological Survey, Illinois Preliminary Geologic Map, IPGM Vergennes-BG, 1:24,000.



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

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.

This Illinois Preliminary Geologic Map (IPGM) is a lightly edited product, subject to less scientific and cartographic review than our Illinois Geological Quadrangle (IGQ) series. It will not necessarily correspond to the format of IGQ series maps, or to those of other IPGM series maps. Whether or when this map will be upgraded depends on the resources and priorities of the ISGS.

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.

The Illinois State Geological Survey, the Illinois Department of Natural Resources, and the State 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 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.

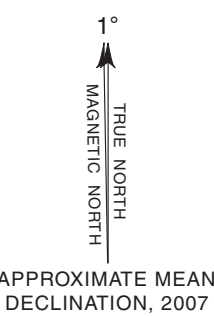


For more information contact:
Illinois State Geological Survey
615 East Peabody Drive
Champaign, Illinois 61820-6964
(217) 244-2414
<http://www.isgs.uiuc.edu>



1	2	3
4	5	
6	7	8

ADJOINING QUADRANGLES
1 Pinckneyville
2 Pyatts
3 Du Quoin
4 Ava
5 Elkhart
6 Craville
7 Murphysboro
8 De Soto



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

[illegible]