

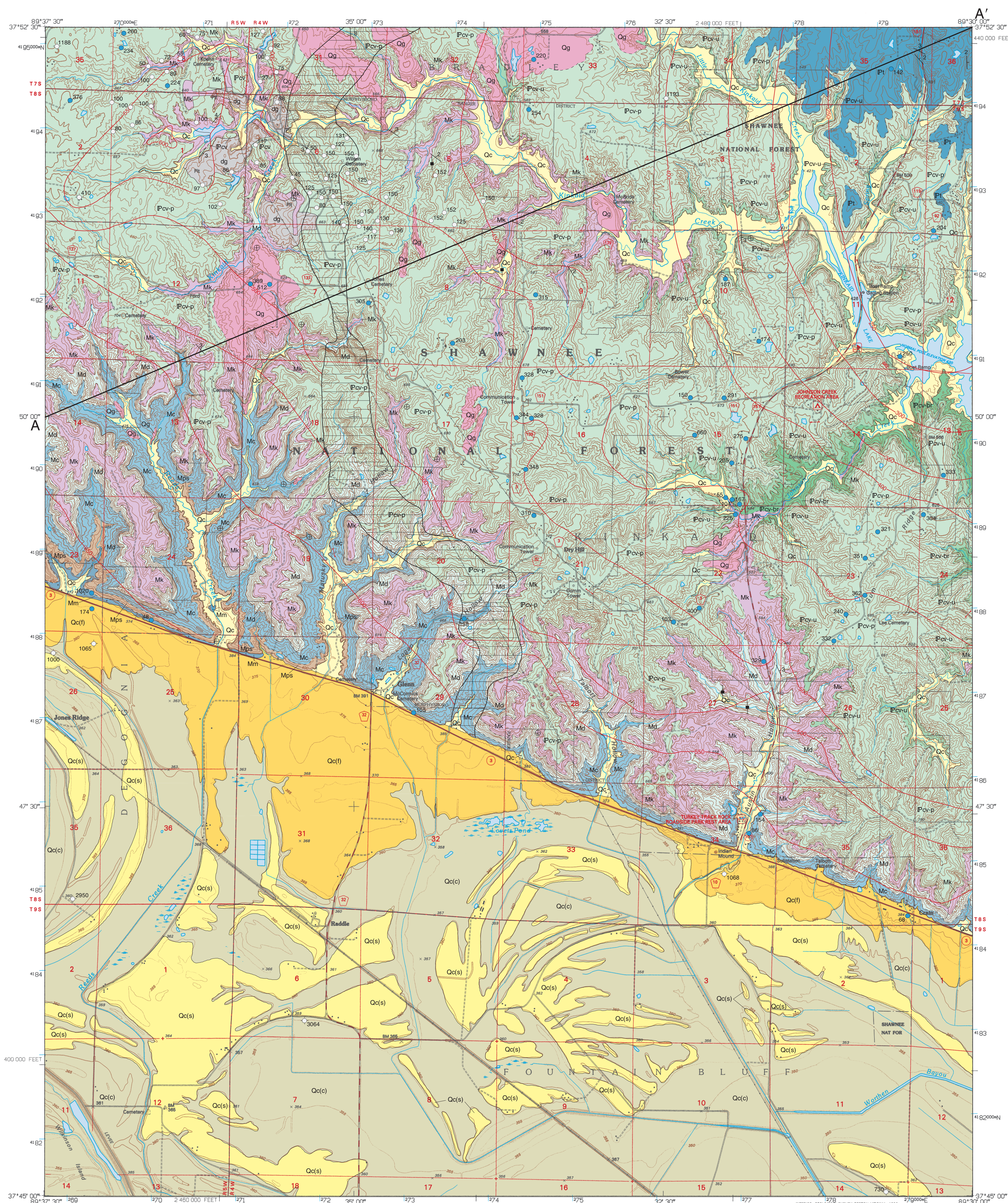
# BEDROCK GEOLOGY OF RADDLE QUADRANGLE

## JACKSON COUNTY, ILLINOIS

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

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2005

Illinois Preliminary Geologic Map  
IPGM Raddle-BG



### EXPLANATION

dg	disturbed ground		
Oc(f)	Cahokia Formation (fan facies)	Quaternary	Holocene and Pleistocene
Oc(s)	(sandy facies)		
Oc(c)	(clayey facies)		
Unconformity			
Og	Glasford Formation	Pennsylvanian	Desmoinesian and Atokan ?
Unconformity			
Pt	Tradewater Formation		
Unconformity		Pennsylvanian	Morrowan
Pcv-p	Caseyville Formation		
Pcv-u	Pounds Sandstone		
Pcv-br	Battery Rock Sandstone		
Unconformity		Mississippian	Chesterian
Mk	Kinkaid Ls		
Md	Degonia Ss		
Mc	Clore Fm		
Mps	Palestine Fm		
Mm	Menard Ls		

### Symbols

20     Strike and dip of bedding; number indicates degree of dip

⊕     Horizontal bedding

⊥     Vertical joints

### Drill Holes

from which subsurface data was obtained. Numbers indicate total depth of boring in feet

● 260     Water well

○ 100     Limestone boring

⊕ 410     Dry oil test

Note: Numbers indicate total depth of boring in feet

### Line Symbols

dashed where inferred, dotted where concealed

—     Contact

— 440 —     Structure contours on the base of the Kinkaid Limestone, contour interval 50 feet

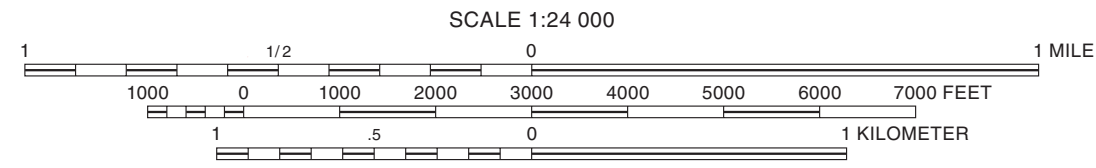
▨     Basal Pennsylvanian paleovalley

A—A'     Line of cross section

Base map compiled by Illinois State Geological Survey from digital data provided by the United States Geological Survey. Compiled from imagery dated 1965. Revised from imagery dated 1993. PLSS and survey control current as of 1968. Contours and elevations current as of 1965. Partial field check by U.S. Forest Service 1994. Map edited 1996.

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

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BASE MAP CONTOUR INTERVAL 20 FEET  
SUPPLEMENTARY CONTOUR INTERVAL 5 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

Released by the authority of the State of Illinois: 2005

Geology based on field work by J. Devera, 2004-2005.

Digital cartography by J. Domier and M. Jones, Illinois State Geological Survey.

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1	2	3
4	5	
6	7	8

ADJOINING QUADRANGLES  
1 Weige  
2 Willsville  
3 Ava  
4 Rockwood  
5 Orville  
6 Crossstown  
7 Altensburg  
8 Gorham

APPROXIMATE MEAN DECLINATION, 2005

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

