

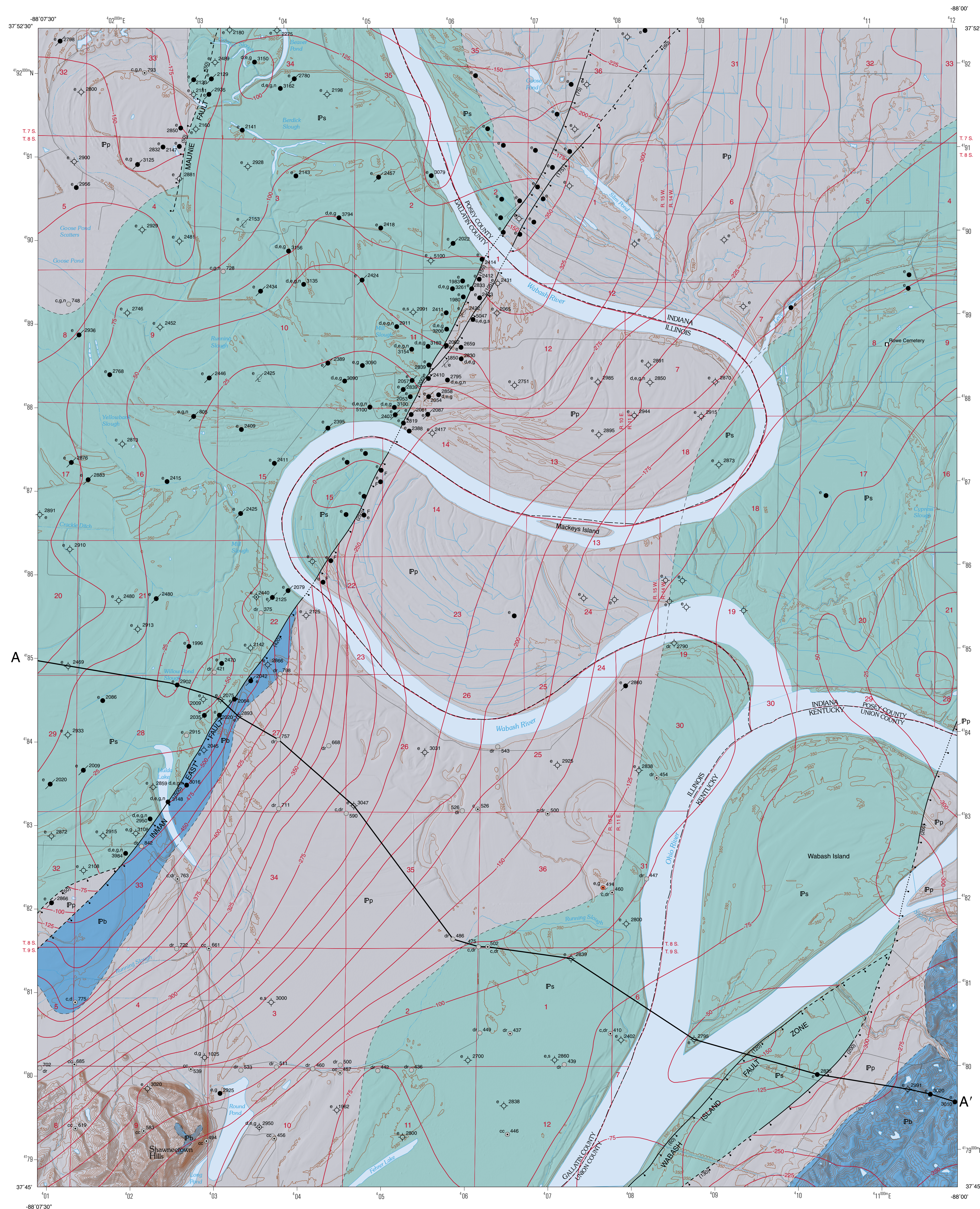
BEDROCK GEOLOGY OF WABASH ISLAND QUADRANGLE

GALLATIN COUNTY, ILLINOIS AND POSEY COUNTY, INDIANA AND UNION COUNTY, KENTUCKY

Prairie Research Institute
ILLINOIS STATE GEOLOGICAL SURVEY

STATEMAP Wabash Island-BG

W. John Nelson
2019



EXPLANATION	
System	Series
Pennsylvanian	Pb Bond Formation (Missourian)
	Pp Patoka Formation (Missourian)
	Ps Shelburn Formation (Desmoinesian)
	Pc Carbondale Formation (column and cross section only) (Desmoinesian)
	Pt Tradewater Formation (column and cross section only) (Desmoinesian)

- Point Symbols**
- Drill Holes from which subsurface data were obtained. Depths and log information omitted in densely drilled areas.
- Coal test boring
 - Engineering test boring
 - Water well
 - Dry oil-test hole
 - Oil well
 - Plugged oil well
 - Water input well
- Numbers denote total depth in feet. Dot in center signifies hole is accurately located. Holes in Indiana and Kentucky are posted only for logs examined during this investigation. Types of logs: partial core description (c), continuous core description (cc), density log (d), electric log (e), driller's log (dr), gamma-ray log (g), neutron log (n), sample study (s). Other symbol: fault penetrated in wellbore (F).

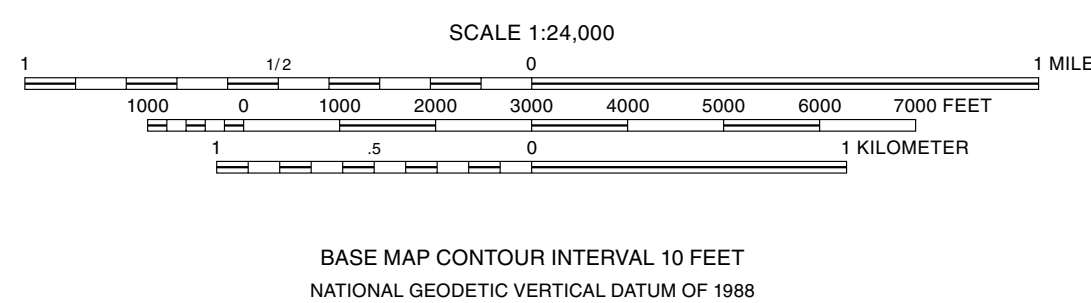
- Line Symbols**
- Contact, location accurate
 - Contact, location approximate
 - Contact, location concealed
 - Line of cross section
 - Normal fault, location accurate; bar and ball on downthrown side, number denotes throw in feet
 - Normal fault, location approximate
 - Normal fault, location concealed
 - Structure contour on top of Springfield Coal, contour interval 25 feet, elevation MSL

Note: Well and boring records are on file at the ISGS Geological Records Unit and are available online from the ISGS website.

Base map compiled by Illinois State Geological Survey from digital data (2016 US Topo) provided by the United States Geological Survey. Shaded relief derived from 2011 Gallatin County, IL Lidar elevation data from ILHMP, 2013 Indiana Statewide Lidar from OpenTopography, and 2013 Kentucky Lidar Point Cloud Data from KYAPED.

North American Datum of 1983 (NAD 83)
Projection: Transverse Mercator
1,000-meter ticks: Universal Transverse Mercator grid system, zone 16

Recommended citation:
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Geology based on data analysis by John Nelson, 2018-2019.

Digital cartography by Emily Bunse, Alan Myers, and Jennifer Obrad, 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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1	2	3
4	5	
6	7	8

ADJOINING QUADRANGLES
1 New Haven
2 Emma
3 Mount Vernon
4 New Haven SW
5 Uniontown
6 Shawneetown
7 Grove Center
8 Morganfield

APPROXIMATE MEAN DECLINATION, 2019

ROAD CLASSIFICATION

State Road

Local road

