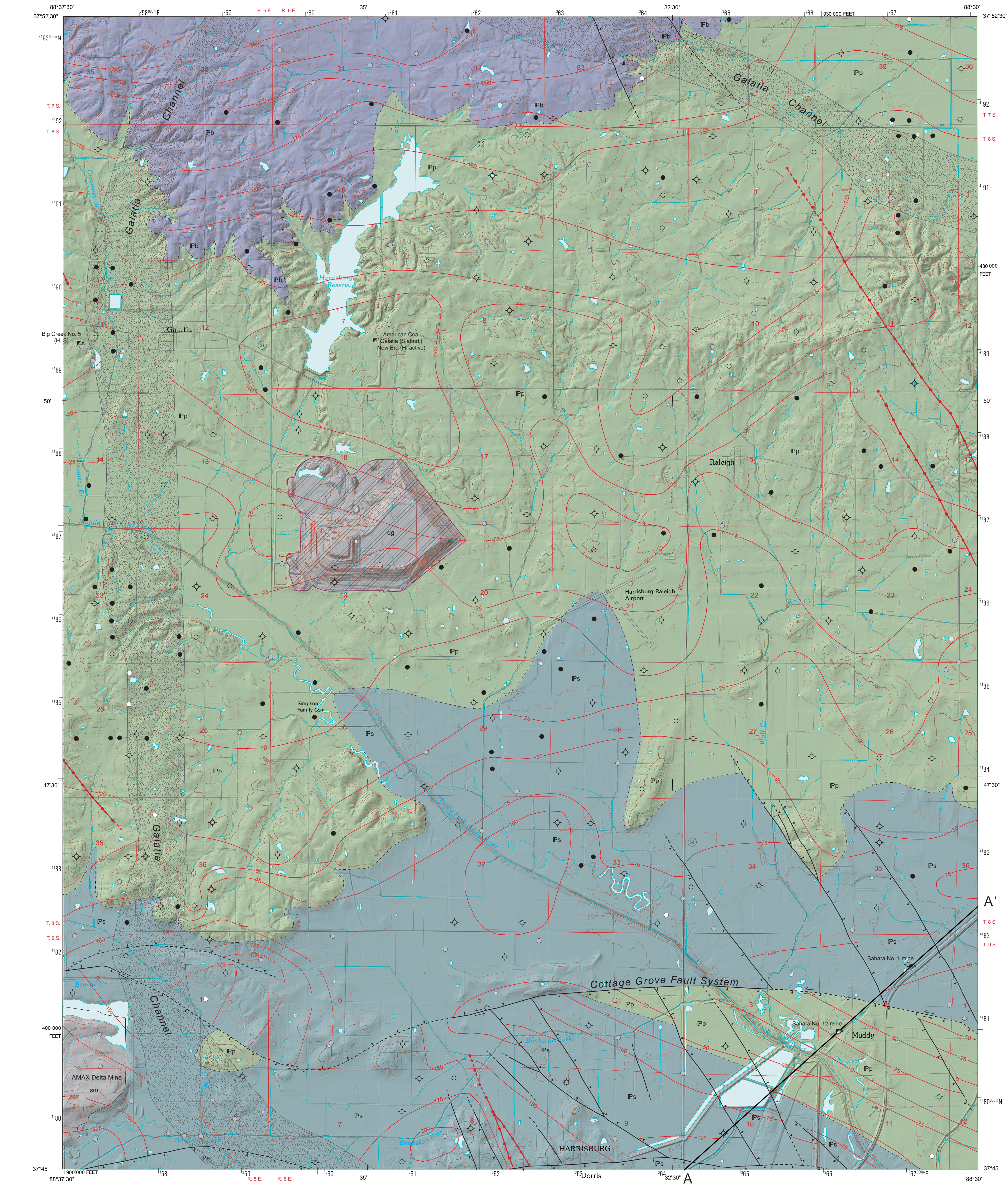


BEDROCK GEOLOGY OF GALATIA QUADRANGLE
SALINE COUNTY, ILLINOIS

Prairie Research Institute
 ILLINOIS STATE GEOLOGICAL SURVEY

W. John Nelson and F. Brett Denny
 2015

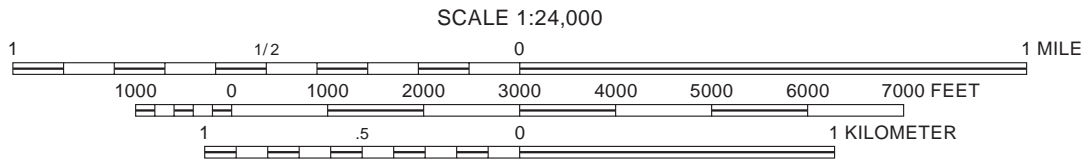
STATEMAP Galatia-BG



Base map compiled by Illinois State Geological Survey from digital data (2012 U.S. Topo) provided by the United States Geological Survey. Contours and shaded relief derived from LIDAR data provided by Saline County (2011).

North American Datum of 1983 (NAD 83)
 Projection: Transverse Mercator
 10,000-foot ticks: Illinois Coordinate System of 1983, east zone
 1,000-meter ticks: Universal Transverse Mercator grid system, zone 16

Recommended citation:
 Nelson, W.J., and F.B. Denny, 2015, Bedrock Geology of Galatia Quadrangle, Saline County, Illinois: Illinois State Geological Survey, USGS-STATEMAP contract report, 2 sheets, 1:24,000, report, 5 p.



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

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1	2	3
4	5	
6	7	8

ADJOINING QUADRANGLES
 1 Akin
 2 Walpole
 3 Broughton
 4 Harco
 5 Eldorado
 6 Carrier Mills
 7 Harrisburg
 8 Rudement

2 1/4°
 APPROXIMATE MEAN DECLINATION, 2015

ROAD CLASSIFICATION

U.S. Route
 State Route
 Local road

EXPLANATION

- dg Disturbed ground
 sm Surface mine
 Pb Bond Formation
 Pp Patoka Formation
 Ps Shelburn Formation
- Missourian
 Pennsylvanian
 Desmoinesian

Symbols

- Oil well
 Coal boring
 Dry note
 Coal bed methane boring
 Shaft mine
 Abandoned shaft mine
 Outcrop of special note, shown where contact or map unit was well exposed at time of mapping

Line Symbols

- dashed where inferred, dotted where concealed
 Igneous dike (Permian age)
 Contact
 Fault, direction of throw unknown
 Normal fault: bar and ball on downthrown side
 Strike-slip fault
 Structure contour of the top of the Springfield Coal (contour interval is 25 feet)
 Stippled areas show the Galatia channel; Pennsylvanian paleochannel where Springfield Coal is absent
 A—A' Line of cross section

Geology based on field work by W. John Nelson, F. Brett Denny, and Scott D. Erick, 2015.

Digital cartography by Jennifer E. Carrell, Donald E. Luman, and Trisha S. Rentschler, 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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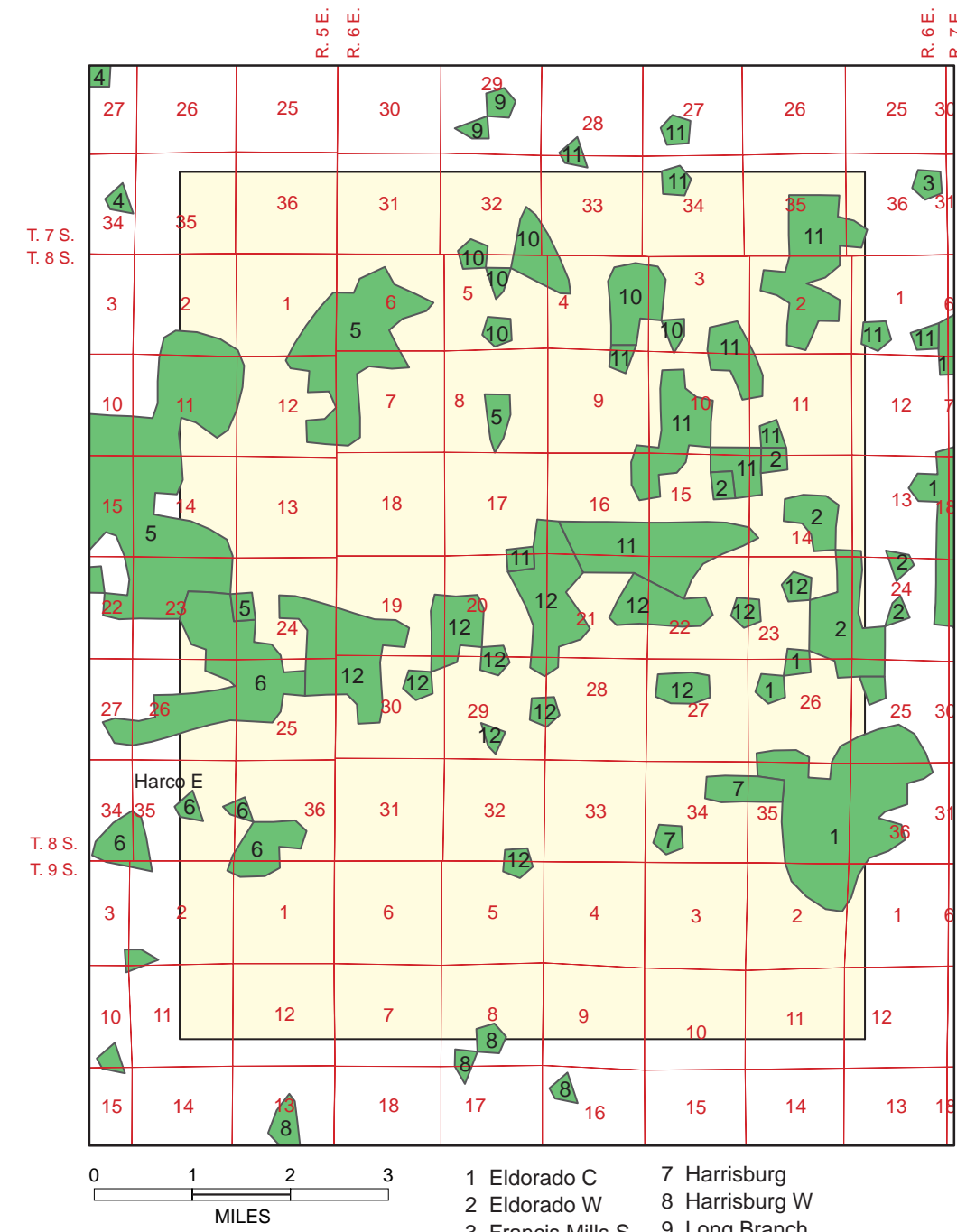


Figure M1 Oil Fields located in Galatia Quadrangle

