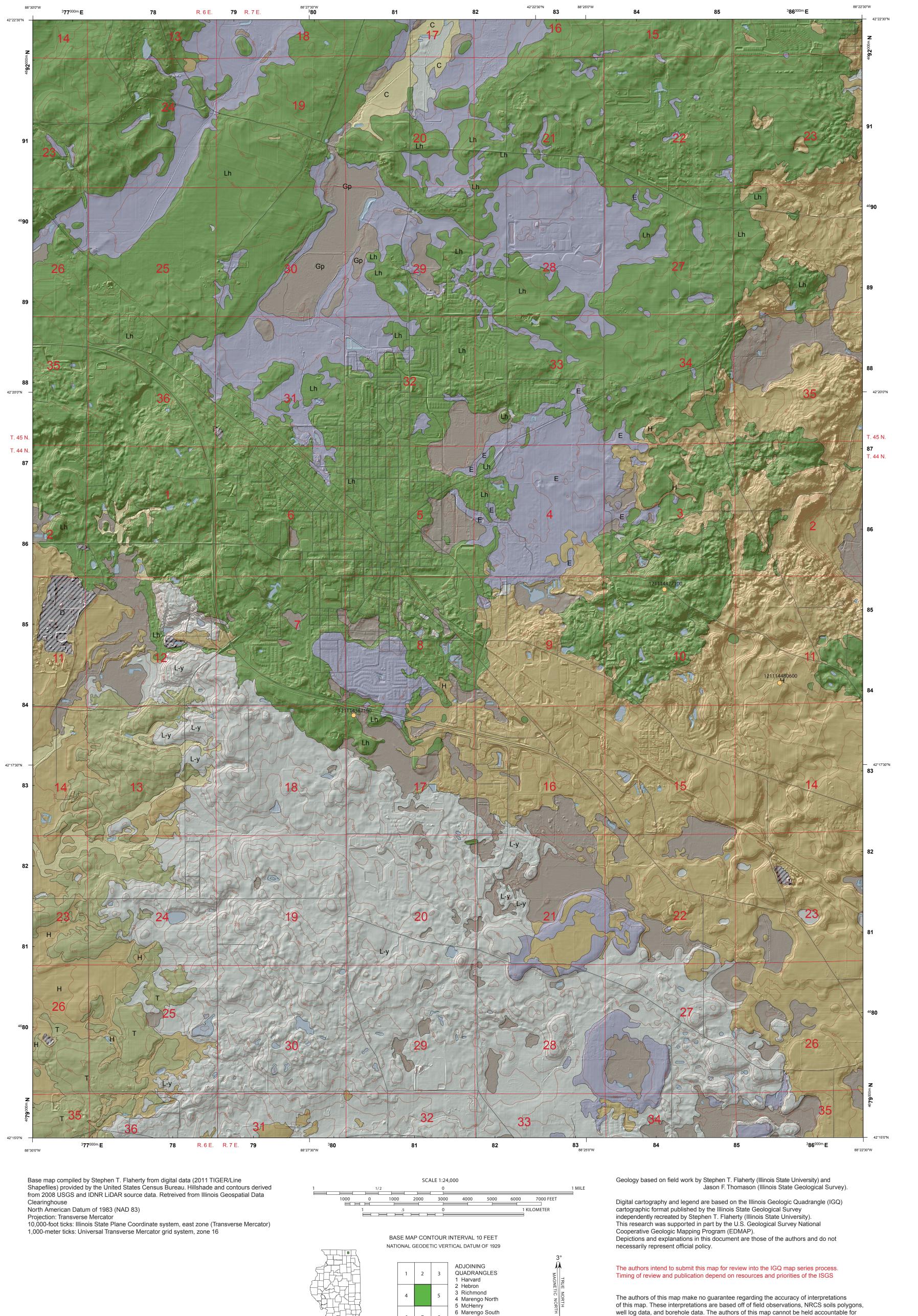
## SURFICIAL GEOLOGY OF WOODSTOCK QUADRANGLE MCHENRY COUNTY, ILLINOIS

Stephen T. Flaherty, Jason F. Thomason, and David H. Malone



7 Huntley

8 Crystal Lake

APPROXIMATE MEAN

DECLINATION, 2012

others' decisions based on this map.

## **QUATERNARY DEPOSITS**

Description Interpretation HUDSON EPISODE (~14,700 years before present (B.P.) to present) Fill (disturbed earth material); Disturbed Ground Disturbed land; surface materials removed or modified by mining and construction exceeding 30ft primarily material reworked from underlying deposits Grayslake Peat Peat and muck; black to brown; Wetland vegetation and sediment in depressions and on slopes associated with groundwater interlayered with sand and silty clay Gp discharge. Sand and gravel, well-sorted Cahokia Formation Floodplain alluvium sand, and lenses of peat, С Silt, clay, and fine sand; **Equality Formation** Lake deposits in ice-walled lakes, layered to massive; with fossilized and sediment filled kettles. Е wood, moss, gastropod shells, and leaves. WISCONSIN EPISODE: Michigan Subepisode (~29,000–14,700 years B.P.) Diamicton; dense clayey to silty to Heager Member Till; associated with sandy loam with interbedded gravel, Woodstock moraine Lh sand, and silt lenses; light gray. Sand and gravel, or sand; Henry Formation Proglacial outwash; braided Stratified coarse sand and gravel stream deposits. with occasional interbedded lenses of silt and clay.lenses of silt and clay. brown to gray. Equality Formation, Silt, fine sand; laminated to massive Lake deposits in ice-walled lakes, with fossilized wood fragments. and sediment filled kettles. Yorkville Member, Diamicton; silty clay, silty clay Lemont Formation Till, debris flow deposits, and loam, and clay; includes sand and lake sediment associated with the L-Y gravel, and silt lenses; gray. Barlina and Huntley moraines Tiskilwa Formation Till, debris flow deposits, and Diamicton; loam to sandy loam; associated with Huntley moraine with interbedded sand and gravel, and silt lenses; brown to gray. Data Type

121114477100 Stratigraphic boring with logged core and gamma ray logs. API number above graphic.