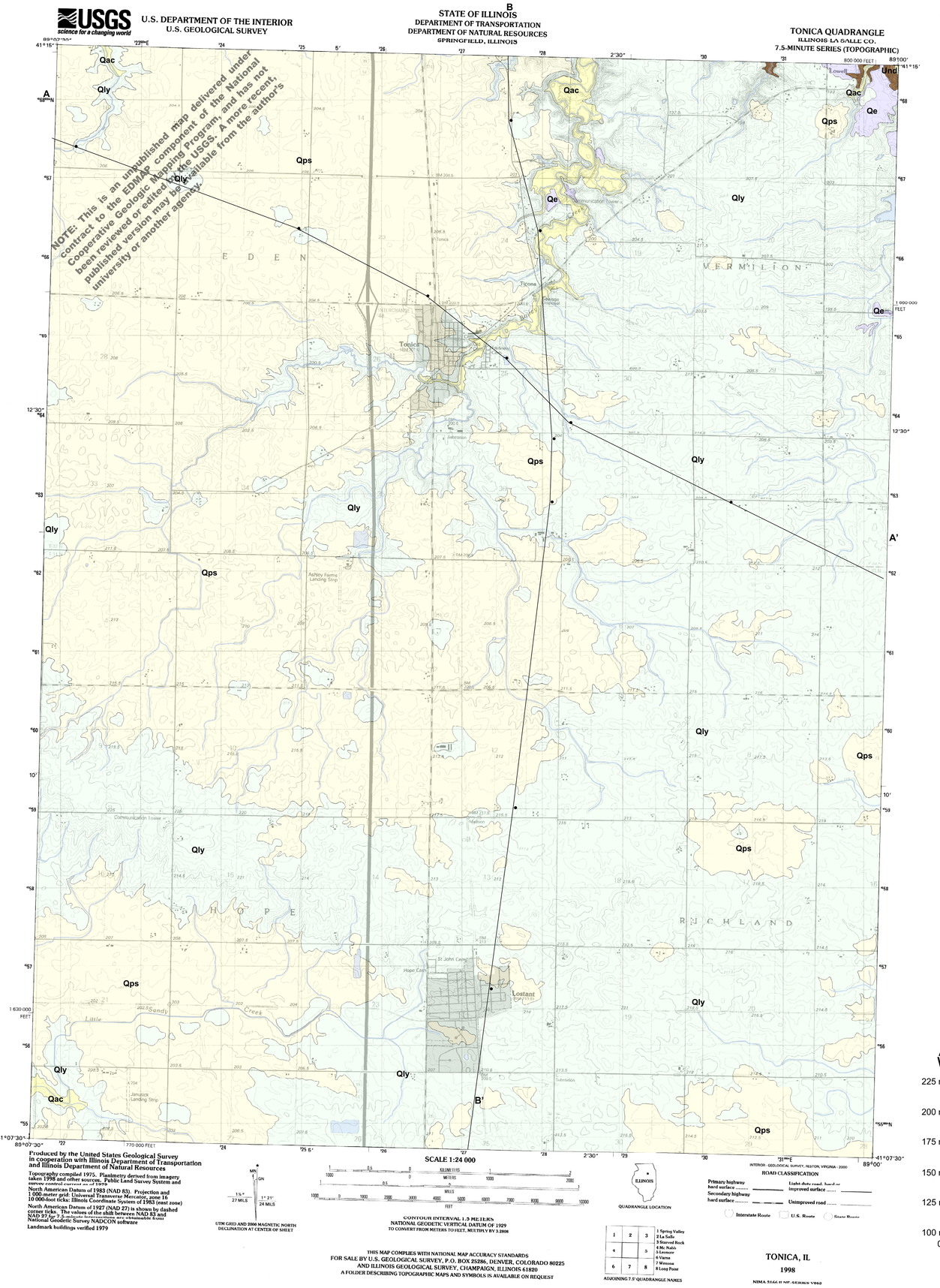
Surficial Geologic Map
Tonica Quadrangle, La Salle County Illinois

John F. McEvoy Jr.
2006



Materials

Dark gray to black stratified silt, sand, and some gravel. — **Qac**

2 members, one silty clay and the other sand. — **Qe**

Light yellow tan to gray silt that changes from sandy silt to clayey silt. — **Qps**

Fine grained diamicton unit. Usually dark gray, silts clay to silty clay loam. — **Qly**

Fine to coarse sand and gravel found in the Ticona Channel. — **Qp**

Und

Lithostratigraphic Units and Interpretations

Cenozoic

Quaternary

Holocene

Cahokia Alluvium: Modern stream deposits which occur in river and tributary valleys. Thickness: 0–6m

Pleistocene

Wisconsinan Episode

Equality Formation: Wisconsin episode lake sediments, bedded silts and clays.

Peoria Silt: Wisonsin episode loess which is greater than 5 feet in thickness.

Wedron Formation

Lemont Formation (Yorkville Till Member): Wisconsin episode till.

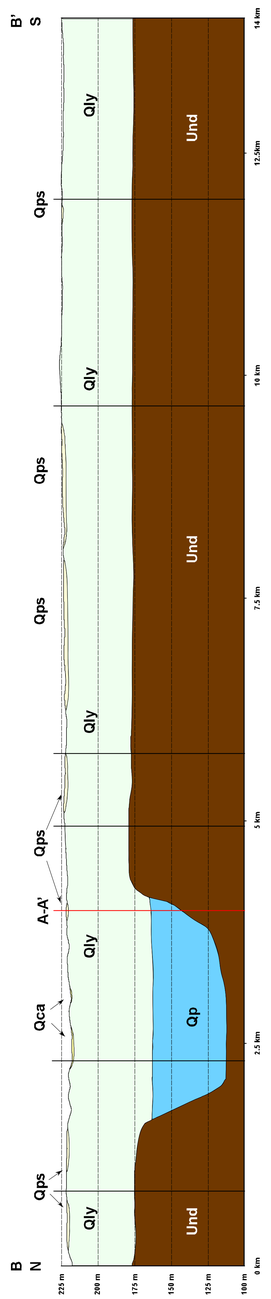
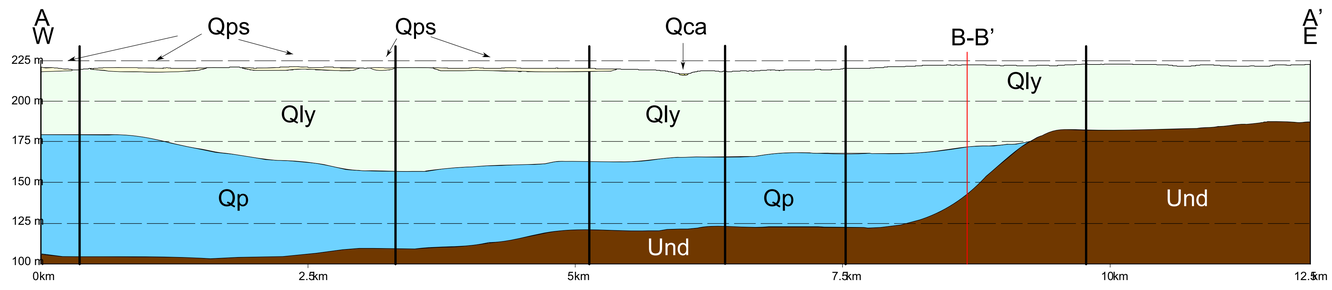
Illinoian Stage

Pearl Formation: Outwash material composed of sand and gravel 0 – 70 meters in thickness

Paleozoic

Pennsylvanian

Undivided Bedrock: Bond Formation located on the west side of the mapping area. The Carbondale formation is located on the north east side of the mapping area.

Contacts

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