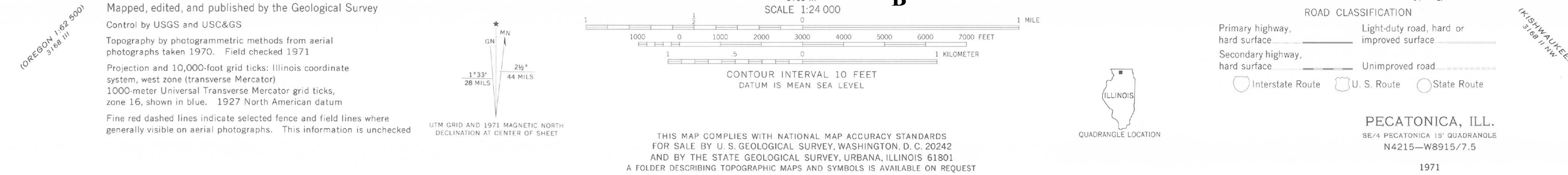


Kron, N.D., Malone, D.H., Shields, W. E., and Runyon, S.E



Description

Holocene Series

mainly silt and clay with some sand lenses; brown to tan brown in color. Crudely Stratified.

Chahokia Formation

Qc

Modern alluvial and flood plain deposits; locally overlie lacustrine deposits or till. the unit contains silts, clay, and silty sand.

Pleistocene Series

Wisconsin Stage

1.5 meters of discontinuous massive units of loess consist of fine, red to light brown, well sorted silts with some clay and sand. The Peoria Loess unit is discontinuous throughout the area which could be due to erosion and agricultural use within the quadrangle. The Peoria Loess is locally calcareous. The Argyle till member underlain the Peoria Loess occasionally, however, the unit overlap bedrock in local areas.

Ps

Windblown deposits of silt, clay, and fine sand. It is likely the entire quadrangle was blanketed with the silt and clay; however, years of agriculture use and erosion have discontinued sections of the Peoria Loess throughout the area.

Illinois Stage

Argyle Till Member

Pa

Diamicton units containing silt, clay, and sand and gravel deposited by glacial ice. Where present overlies bedrock.

Ordovician Series

Galena-Platteville

Og

Fossiliferous limestone and dolomite deposited from remains of marine organisms that lived in a warm shallow sea. Later in the Ordovician, the epicontinental sea recrystallized the unit which generated cherty dolomite layers within the Dolomite.

Anzell Group: St. Peter Sandstone

OsP

The St. Peter underlies the Glenwood formation when the upper unit is present. The Sandstone is friable, clean, well sorted, and poorly cemented. This unit is the principal drinking aquifer for Winnebago County

Water

Precambrian

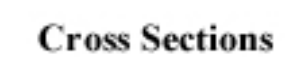
The Precambrian is a member of the Anzell Group and is as much as 122 m in thickness. The St. Peter is a medium to fine grained, well sorted, well rounded sandstone that is friable and weakly cemented. The St. Peter is a clean sandstone, free of clays, carbonates, and heavy minerals, except in local areas. At the base of the St. Peter is a conglomerate unit that locally present.

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Contact

Inferred Contact

API Water Well

Horizontal Scale: 1 inch=2,000 feet
Vertical Scale: 1 inch=100 feet
Vertical exaggeration: 20x