

Appendix B

Glacial Landsystems Lenox Township Macomb County, MI.



Glacial Landsystem

- Lacustrine Fine**
These areas consist of silts and clays that formed in areas once occupied by glacial lakes.
- Lacustrine coarse**
These areas consist of sandy soils that formed in areas once occupied by glacial lakes.
- ice-marginal till**
These areas consist of poorly sorted and greatly varying materials that were deposited along the margins of glaciers.

Landsystems attempt to identify subsurface sediment types through the examination of surface landforms. This map depicts glacial landsystems as determined through the examination of Quaternary surficial landforms and soil texture data.

Identification of landform depositional environments may be used to predict groundwater behavior. Areas of glacial till materials may not be very porous or permeable. Water is available at the subsurface but not produced in a rapid fashion, leading to slow recharge rates. Glacial lake (lacustrine) clays and silts may be very tight, allowing for little water flow.



**BIRCHLER ARROYO
ASSOCIATES, INC.**

Source: Michigan Geographic Data Library
October 23, 2008

