**SURFICIAL MATERIALS**

**GLACIAL AND POSTGLACIAL DEPOSITS**

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**GLACIAL ICE-LAIh DEPOSITS**

<table>
<thead>
<tr>
<th>Description</th>
<th>Symbol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ice scraper marks</td>
<td>![Ice scraper marks]</td>
</tr>
<tr>
<td>Ice plow marks</td>
<td>![Ice plow marks]</td>
</tr>
</tbody>
</table>

**GLACIAL AND POSTGLACIAL DEPOSITS**

**Fines Deposits**

- Sand and gravel
- Gravel
- Fines

**Coarse Deposits**

- Sand
- Gravel
- Boulders

**Stacked Coarse Deposits Overlying Fines Deposits**

- Sand overlying Boulders
- Sand overlying Gravel
- Sand overlying Fines

**Stacked Coarse Deposits Overlying Coarse Deposits**

- Sand overlying Sand and Gravel
- Sand overlying Gravel
- Sand overlying Fines

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**EXPLANATION**

Unconsolidated glacial and postglacial deposits are generally fine grained, fine to coarse banded to thickbanded in thickness, cover the bedrock surface of Connecticut (see Block Diagram). This map portrays the areal extent and subsurface genetic (stratigraphic) distributions of these surficial materials. The map legend is designed to highlight the surficial material classification scheme and to provide a general indication of the distribution and character of the surficial materials. Most of Connecticut's surficial material is glacially derived, and can be divided into two broad depositional categories: Glacial Ice-laid deposits and alluvial deposits which are generally exposed in the surficial deposits, and are the most widespread surficial deposits in Connecticut. Postsedimentation and glacial till deposits consisting of unsorted, generally nonstratified surficial material deposited as a result of glacial deposition. These deposits have a general areal extent and distribution and character that are favorable for development. Because water in such areas is a better carrier agent than ice, glacial materials are commonly incised with waterways, and floodplains, and consist of glacial outwash deposits. They can be good sources of construction materials, and are relatively easy to excavate and build structures on.

Glacial deposits are depicted using the basic, non-geologic-based color scheme. The map contains a legend for alluvial deposits which are generally exposed at stream banks and near the mouths of lakes and ponds which occupied the valleys and floodplains. These deposits are shown on this map as the Surficial Material Poly dataset which contains the surficial material classification scheme and is included in the Surficial Materials Map of Connecticut, Stone and gravel, 2009. For a complete description of surficial material map units, and their distribution and character, please refer to the published Surficial Materials Map of Connecticut, Stone and gravel, 2009.

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**DATA SOURCES**

**SURFICIAL MATERIALS DATA** - Surficial Materials shown on this map are from the Surficial Material Poly dataset which contains the surficial material classification scheme and is included in the Surficial Materials Map of Connecticut, Stone and gravel, 2009. This dataset was derived from the 1:125,000-scale completion sheets prepared for the Surficial Materials Map of Connecticut, Stone and gravel, 2009, which was prepared in cooperation with the U.S. Geological Survey.

**QUATERNARY GEOLOGIC AND SURFICIAL MATERIALS DATA** - 1:24,000-scale digital spatial data of Connecticut Surficial Materials were provided by the Connecticut Geological and Natural History Survey (CGS) and the U.S. Geological Survey. These data were mapped from the 1:24,000-scale completion sheets prepared for the Surficial Materials Map of Connecticut, Stone and gravel, 2009, which was prepared in cooperation with the U.S. Geological Survey.

**BASE MAP DATA** - Based on data originally from 1:24,000-scale USGS topographic quadrangles produced by the GEODATA Office, USDA Forest Service, U.S. Geological Survey, and U.S. Forest Service, 1992. The digital data was generated by the Connecticut Department of Environmental Protection, in cooperation with the U.S. Geological Survey. The base map data was digitized from the 1:24,000-scale completion sheets prepared for the Surficial Materials Map of Connecticut, Stone and gravel, 2009, which was prepared in cooperation with the U.S. Geological Survey. The base map data was generated by the Connecticut Department of Environmental Protection, in cooperation with the U.S. Geological Survey. The base map data was digitized from the 1:24,000-scale completion sheets prepared for the Surficial Materials Map of Connecticut, Stone and gravel, 2009, which was prepared in cooperation with the U.S. Geological Survey.

**MAPS AND DIGITAL DATA** - Go to the CT ECO website for this dataset and digital data for this dataset.