### SURFICIAL MATERIALS

**GLACIAL AND POSTGLACIAL DEPOSITS**

**Coarse Deposits**
- Sand
- Gravel and gravelly sand
- Fine gravel
- Gravel
- Sand
- Silt

**Glacial Deposits**
- Alluvium
- Ablation till
- Eolian till
- Postglacial deposits
- Meltwater deposits
- Marine deposits

**Clay Deposits**
- Silt
- Sandy clay
- Clay

**Glacial Ice-Laid Deposits**
- Glacial till
- End moraine deposits
- Depositional borders
- Glacial meltwater deposits

**Glacial Till Deposits**
- Thin till
- Medium till
- Thick till

**Glacial Meltwater Deposits**
- Stratified deposits
- Rooted deposits

**Postglacial Deposits**
- Sandy gravel
- Sandy
- Gravelly sand
- Clay

**EXPLANATION**

Unconsolidated glacial and postglacial deposits, the loose debris that lies under the land surface, make up the surficial material of Connecticut. The surficial material is divided into two broad depositional categories: Glacial Ice-Laid Deposits and Postglacial Deposits. Each of these categories is characterized by different processes of deposition and has its own unique characteristics.

**GLACIAL ICE-LAIRED DEPOSITS**

Glacial till deposits are the coarsest of the glacial deposits and are generally composed of sorted and unsorted materials. They are deposited by glacial meltwater and may contain a variety of materials, including sand, silt, and clay. Glacial till deposits are typically found in areas that were once covered by glaciers.

**Postglacial Deposits**

Postglacial deposits are derived from the melting of glaciers and are typically finer-grained than glacial deposits. They are commonly composed of sand, silt, and clay and may include organic matter.

**DATA SOURCES**

SURFICIAL MATERIALS DATA - Surficial Materials data are sourced from the Surficial Material Poly dataset which contains mapping information for the state of Connecticut. This dataset is provided by the Connecticut Geological and Geotechnical Survey (CGGS) and the U.S. Geological Survey (USGS).

QUATERNARY GEOLOGIC AND SURFICIAL MATERIALS DATA - 1:24,000-scale digital maps and data for Connecticut were obtained from the Connecticut Geological and Geotechnical Survey (CGGS) and the U.S. Geological Survey (USGS). These data were compiled for the Surficial Materials Map of Connecticut, which is a part of the Connecticut Depositional Basemap Project.

MAPS AND DIGITAL DATA - Maps and digital data for Connecticut are available from the Connecticut Geological and Geotechnical Survey (CGGS) and the U.S. Geological Survey (USGS). These data include surficial material maps, digital elevation models, and other geospatial datasets.

**MAPS AND DIGITAL DATA**

Go to the CT DEP website for this map and a variety of others. Go to the USGS website for the digital spatial data shown on this map.

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