## SURFICIAL MATERIALS

### GLACIAL AND POSTGLACIAL DEPOSITS

#### Fine Deposits

- **Coarse Deposits**
  - Glacial till
  - Glacial outwash
  - Stacked coarse deposits
  - Interbedded coarse deposits

#### Stacked Course Deposits

- Glacial outwash-bedding Sand and gravel
- Stacked coarse deposits
- Interbedded coarse deposits
- Stacked fine deposits

#### Coarse Deposits

- Glacial till
- Glacial outwash
- Stacked coarse deposits
- Interbedded coarse deposits

#### Postglacial Deposits

- **Coarse Deposits**
  - Glacial outwash
  - Stacked coarse deposits
  - Stacked fine deposits
- **Fine Deposits**
  - Glacial till
  - Glacial outwash
  - Stacked coarse deposits
  - Interbedded coarse deposits

### EXPLANATION

Unconsolidated, glacial and postglacial deposits, such as sands and silts, are fine to medium sand in fineness, and are the bedrock surface in Connecticut (1992) (Diagram). These diagrams represent the areal extent and subordinate areal-sorted (textural) distribution of fine and coarse materials. The map legend is designed to highlight the distribution and character of the surficial materials. More of Connecticut's surficial material is glacially derived, and can be divided into two broad depositional categories: Glacial Ice-laid deposits (more than 1000 years) and materials which are geologically exposed in the oural, and are not the most widespread deposit in Connecticut. 

#### Glacial Ice-laid deposits

- Deposit of the last glacial period, typically sands and silts, including mixed deposits of sands and silts. These deposits are the most widespread surficial deposit in Connecticut and the companion Quaternary Geologic Map of Connecticut and Long Island Sound Basin. 

#### Postglacial deposits

-**Coarse Deposits**
  - Glacial outwash
  - Stacked coarse deposits
  - Stacked fine deposits
- **Fine Deposits**
  - Glacial till
  - Glacial outwash
  - Stacked coarse deposits
  - Interbedded coarse deposits

### DATA SOURCES

<table>
<thead>
<tr>
<th>SURFICIAL MATERIALS DATA</th>
<th>Data Sources</th>
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<tr>
<td>Digital Spatial Data</td>
<td>Connecticut Geologic and Natural History Survey, USDA, and others are also available from CT DEP.</td>
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### MAPS AND DIGITAL DATA

- Go to the CT DEP website for the digital spatial data on this map.

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**Figure 1**: Stacked Fine Deposits Overlying Coarse Deposits

**Figure 2**: Stacked Coarse Deposits Overlying Fine Deposits

**Figure 3**: Artifical Fill

**Figure 4**: Beach deposits

**Figure 5**: Salt-Marsh and Tidal-Marsh deposits overlying Sand

**Figure 6**: Swamp deposits overlying Sand overlying Fines

**Figure 7**: Alluvium overlying undifferentiated Fine deposits overlying Coarse deposits

**Figure 8**: Alluvium overlying undifferentiated Coarse deposits overlying Fine deposits

**Figure 9**: Alluvium overlying Fines

**Figure 10**: Floodplain Alluvium

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**EXPLANATION**

Meltwater deposits are depicted using four basic texturally-based map units. For a complete description of surficial materials map units, and further information concerning their thickness and modes of occurrence, refer to the published Surficial Materials Map of Connecticut and the companion Connecticut Geologic and Natural History Survey. Many of Connecticut's surficial materials are glacially derived, and can be divided into two broad depositional categories: Glacial Ice-laid deposits (more than 1000 years) and materials which are geologically exposed in the surficial, and are not the most widespread deposit in Connecticut. For a complete description of surficial materials map units, and further information concerning their thickness and modes of occurrence, refer to the published Surficial Materials Map of Connecticut and the companion Connecticut Geologic and Natural History Survey.