**QUATERNARY GEOLOGY**

**LIST OF MAP UNITS**

<table>
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<th>Map Unit</th>
<th>Description</th>
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<tbody>
<tr>
<td><strong>POSTGLACIAL DEPOSITS - late Holocene, late Wisconsin</strong></td>
<td>Artificial Fill, Valley Fills, Thin Till Deposits, Thick Till Deposits, End Moraine Deposits, Lake-Bottom Deposits, River-Inland Deposits, Younger Dryas Deposits.</td>
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**EXPLANATION**

The glacial history of Connecticut is a story of ice and water, shaping the landscape for millions of years. The last glacier, the Wisconsin Glaciation, retreated about 12,000 years ago, leaving a legacy of glacial deposits that still define the state's topography.

Glacial Deposits:
- **Terminal Moraine Deposits**: Deposited near the ice margin and composed of various sediment types, including sand, gravel, and till.
- **Lateral Marginal Deposits**: Deposited parallel to the ice sheet's leading edge, consisting of sand and gravel.
- **Ice-contact Deposits**: Deposited directly beneath ice or near ice contact, often characterized by meltwater channels and riverine forms.
- **Drumlins**: Ridged, elongated hills formed by glacial erosion and deposition.

**Other Deposits**:
- **Younger Dryas Deposits**: Deposits formed during the Younger Dryas climate event, known for its rapid temperature changes.
- **Lake-Bottom Deposits**: Deposition in glacial lakes, often containing organic-rich sediments.
- **Inland Dune Deposits**: Formed by the movement of windblown sand during and after glaciation.

**DATA SOURCES**

- Connecticut Department of Environmental Protection
- Connecticut Geological Survey
- University of Connecticut, College of Agriculture and Natural Resources
- Historical and Archaeological Survey of Connecticut
- Geological Survey of Connecticut
- U.S. Geological Survey
- Connecticut Department of Energy and Environmental Protection
- U.S. Army Corps of Engineers
- Connecticut’s 2000 statewide LiDAR, (Light Detection And Ranging), data.

**MAP LOCATION**

Voluntown, Connecticut

**MAP DEP Quadrangle**