SURFICIAL MATERIALS

GLACIAL AND POSTGLACIAL DEPOSITS

Fine Deposits
- Clay
- Fine sand
- Silt
- Sand
- Gravel
- Boulders

Stacked Course Deposits
- Sand overlying Gravel
- Gravel overlying Sand

Stacked Fine Deposits Overlying Course Deposits
- Fine Deposits overlying Gravel
- Gravel overlying Fine Deposits

GLACIAL ICE-LAND DEPOSITS
- Till
- End moraine
- Frontal moraine
- Side moraines
- Palaeosol

END MORAINES
- Complete end moraines
- Partial end moraines
- Frontal moraine ends

DATA SOURCES

SURFICIAL MATERIALS DATA - Surficial Materials data shows the locations of the Surficial Materials Poly dataset, published by the Connecticut Department of Environmental Protection, in cooperation with the U.S. Geological Survey. These data were digitized from the 1:24,000-scale compilation sheets prepared by the Connecticut Geological and Natural History Survey and other sources. It includes surficial deposits and related attributes. Other data sources used include the Connecticut Geological and Natural History Survey, U.S. Geological Survey, and the Connecticut Department of Energy and Environmental Protection.

GLACIAL AND POSTGLACIAL DEPOSITS DATA - Glacial and Postglacial Deposits data shows the locations of glacial and postglacial deposits, published by the Connecticut Department of Environmental Protection, in cooperation with the U.S. Geological Survey. These data were digitized from the 1:24,000-scale compilation sheets prepared by the Connecticut Geological and Natural History Survey. It includes glacial and postglacial deposits and related attributes. Other data sources used include the Connecticut Geological and Natural History Survey, U.S. Geological Survey, and the Connecticut Department of Energy and Environmental Protection.

ELEVATION DATA - Elevation data shows the locations of the DEM dataset, published by the Connecticut Department of Environmental Protection, in cooperation with the U.S. Geological Survey. These data were digitized from the 1:24,000-scale compilation sheets prepared by the Connecticut Geological and Natural History Survey. It includes the Digital Elevation Model (DEM) and related attributes. Other data sources used include the Connecticut Geological and Natural History Survey, U.S. Geological Survey, and the Connecticut Department of Energy and Environmental Protection.


MAPS AND DIGITAL DATA - Maps and digital data includes aerial photographs, satellite images, and other digital data. It includes images, maps, and related attributes. Other data sources used include the Connecticut Geological and Natural History Survey, U.S. Geological Survey, and others.

RELATIONSHIP INFORMATION

The map is designed to highlight the relationships between different surficial materials and glacial and postglacial deposits. The map units are color-coded to distinguish between different types of surficial materials and glacial and postglacial deposits. The map is printed at a scale of 1:24,000 (1 inch = 2000 feet), and it can be scaled for different presentations.

EXPLANATION

Unconsolidated glacial and postglacial deposits, tills, and moraine deposits are derived directly from the glacial ice sheet and adjacent ice margins and are spatially extensive. Their distribution and character are a record of the ice movement and environment near glacial margins (proximal) and far from the ice (distal). They are often composed of layers of well-to-poorly sorted sediment. The lack of sorting and stratification typical of ice-laid deposits can be sparse to abundant. Some tills contain lenses of sorted sand and gravel and mixtures of grain-sizes ranging from clay to large boulders. The tills result from the glacial ice that advanced over the bedrock, surficial, and quaternary (glacial) geology quadrangle and consists of nonsorted, generally nonstratified sediment. The till deposits are derived from the ice and consist of nonsorted, generally nonstratified sediment. This map is also available for downloading from the Department of Energy and Environmental Protection’s website.

DATA SOURCE

CT DEP Quadrangle 43

DANIELSON, CONNECTICUT