SURFICIAL MATERIALS

GLACIAL AND POSTGLACIAL DEPOSITS

EXPLANATION

Unconsolidated, glacial and postglacial deposits, that range from a fine silt to several hundred feet in thickness, cover the bedrock surface of Connecticut (see Block Diagram). The map is designed to highlight the areal extent and subsurface geometric (vertical) distributions of these surficial materials. The map legend is designed to highlight the textural (particle-size) distributions and character of the materials present. Most of Connecticut’s surficial material is glacially derived, and can be divided into the broad depositional categories Glacial, Postglacial, and terrace deposits, although some deposits also are of fluvial origin. Within these categories, surficial materials are classified and depicted as individual texturally-based deposits. The surficial materials map is based on data originally from 1:24,000-scale U.S. Geological Survey (USGS) mapping (1950s–1990s) and is intended to depict surficial deposits at the surface and near-surface (e.g., to a depth of 20 feet) without regard for bedrock topography.

Related information is neither current nor complete.

- Streets and hydrography, geographic names and geographic places.
- USGS 7.5 minute topographic quadrangle maps published between 1940 and 1980.
- State of Connecticut, Department of Environmental Protection, Connecticut Environmental Conservation, and Long Island Sound Basin (see Data Sources).

BASE MAP DATA - Based on data originally from 1:24,000-scale U.S. Geological Survey quadrangle maps published between 1972 and 1992. Includes political boundaries, airports, highways, rivers, topographic features and geographic names. Details and obtuse angles are from TheTide Atlas”, copyrighted data. Base map information from data cannot be compiled.

DATA SOURCES

- Geological Survey special map, 2 sheets, scale 1:125,000.
- Stone, J.R., 1992, The statewide Surficial Materials Map of 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 Quaternary Geology and Surficial Materials Map of 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 U.S. Geological Survey. These data were digitized from the 1:24,000-scale compilation sheets prepared by the U.S. Geological Survey. These data were digitized from the 1:24,000-scale compilation sheets prepared by the U.S. Geological Survey. These data were digitized from the 1:24,000-scale compilation sheets prepared by the U.S. Geological Survey.

MAPS AND DIGITAL DATA - Go to the CT ECO website for this map and a variety of other. Go to the CT DEP website for the digital spatial data of the DIGITAL MAPS. Contact the U.S. Geological Survey for a comprehensive digital portal to the surficial materials mapping of CT. Contact DEP for additional data not shown on the map. Contact DEP for additional data not shown on the map.

OTHER GEOLOGIC MAPS - For additional data not shown on the map. Contact DEP for additional data not shown on the map.

REFERENCE INFORMATION

- Map created by CT DEP
- August 2009
- Map compiled by
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- Hartford, CT 06106-5127

NORFOLK, CONNECTICUT

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