QUATERNARY GEOLOGY

LIST OF MAP UNITS

PHYSIOGRAPHIC UNITS - Inter-Holocene, late Wisconsinan

- Coastal Beach and Dune Deposits
- Glacial Till Deposits
- Glacial Lakes
- Marine Inter-Tidal Flats
- Tides

EARLY POSTGLACIAL DEPOSITS - early Holocene, late Wisconsinan

- Marine Drift Deposits
- Deltaic Sand Deposits

GLACIAL MELT-WATER DEPOSITS - late Wisconsinan

- Deposits of Major Ice-Dammed Lakes
- Deposits of Major Submerged Fluvial Basins
- Deposits of Related Series of Major Ice-Dammed Lakes
- Deposits of Related Series of Submerged Fluvial Basins
- Deposits of Proglacial Material

GLACIAL ICE-MASS DEPOSITS - late Wisconsinan, Illinoian

- Thin Till Deposits
- End Moraine Deposits
- Deltaic Material

Explanation of Map Symbols

- Landform
- Contour interval 100 ft, 50 ft
- Contour line
- Area of lake margin
- Glacial Till deposits
- Depositional zone
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EXPLANATION

Quaternary Geology is the study of the geology, history, and landscape in Connecticut during the most recent geologic time period, the Quaternary Period. This includes the Pleistocene and Holocene Epochs, which are characterized by significant environmental changes, including the advance and retreat of continental ice sheets and the formation of glacial deposits. These deposits and landscapes were formed by processes acting on bedrock and near bedrock, and the resulting deposits and features are subject to ongoing processes that have been established by the passage of time, including erosion, deposition, and the formation of new landscapes.

CONTOUR DATA - Derived from Connecticut's 2003 statewide LiDAR, (Light Detection And Ranging), and other digital elevation model (DEM) data. The original 15-meter LiDAR data were derived from the 1:15,000-scale compilation sheets prepared for the state's 2003 QUATERNARY GEOLOGY Map. The current 10-meter LiDAR data were derived from the 1:10,000-scale compilation sheets prepared for the new QUATERNARY GEOLOGY Map of Connecticut. The DEM data were derived from the 1:10,000-scale compilation sheets prepared for the new QUATERNARY GEOLOGY Map of Connecticut.

DATA SOURCES

- Connecticut Department of Energy and Environmental Protection
- U.S. Geological Survey
- U.S. Army Corps of Engineers
- U.S. Department of Agriculture
- Connecticut Geological Survey
- Connecticut Geological and Natural History Survey

STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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Map created by CT DEP
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Map and data

For more information, contact

Connecticut Geological Survey

CT DEP Quadrangle

MYSTIC, CONNECTICUT

103

MAP LOCATION