GLACIAL MELTWATER DEPOSITS

BASE MAP DATA - Based on data originally from 1:24,000-scale surveys. These data were digitized from the 1:24,000-scale maps and then edited to produce the final 1:24,000-scale maps. The accuracy of the data is considered to be approximately 1 foot (±30 cm). All the data were converted to an orthometric height datum (National Geodetic Vertical Datum of 1988) using the method described in the "DATA SOURCES" section below. These data were then delivered to the Connecticut Geological Survey, which then reviewed and approved the final product. The final 1:24,000-scale maps were then printed to produce this atlas.

QUATERNARY GEOLOGY AND SURFICIAL MATERIALS

Surficial deposits have been mapped to indicate the types of materials present and their spatial distribution. The deposits are divided into three general categories:

1. GLACIAL ICI-LAKE DEPOSITS
2. GLACIALLY DEPOSITED DEPOSITS
3. POSTGLACIAL DEPOSITS

EXPLANATION

Alluvium - Deposits of floodplain alluvium are the silts, clays, and sands that have been transported and deposited by streams. They are often composed of layers of well-to-poorly sorted sediments. Till blankets the bedrock surface in variable thicknesses and is composed of poorly sorted, unstratified, and highly deformable deposits of sand, silt, clay, and/or boulders. Tills are very important in the construction industry due to their high strength and low permeability. The deposits can become predominant. Where more complex sediment systems are present, "stacked" map units are used to characterize the deposits. This allows for the recognition of different types of deposits within the same area, which can be useful in understanding the depositional history of the region.

DATA SOURCES

CTDEP DEPOSITS - Data of surficial deposits that were mapped as part of the geological survey of Connecticut. These data were used to create the 1:24,000-scale maps. These data were also used to create the surficial material maps for the Connecticut geological survey.

BENNETT DEPOSITS - Data of surficial deposits that were used to create the 1:24,000-scale maps. These data were also used to create the surficial material maps for the Connecticut geological survey.

USGS DEPOSITS - Data of surficial deposits that were used to create the 1:24,000-scale maps. These data were also used to create the surficial material maps for the Connecticut geological survey.

MAPS AND DATA - All maps in this atlas were produced on Mitsubishi CP-160 plotter at a scale of 1:24,000. The map scales are indicated on the margins of each map. The data depicted on each map is based on the best available information available at the time of map production. The map data is subject to change as new data becomes available.