This map shows the location and boundaries of major, regional, subregional, and local drainage basins for the towns of Hebron, Lebanon, and Manchester, Connecticut. Drainage basin boundaries were manually outlined on the map by members of the Natural Drainage Basin Study Committee and were based on existing surface water data. The map was compiled from updated DEMs and geographic information system (GIS) data. Drainage basin boundaries have been updated through 2005. Base elevation data was obtained from DEMs produced at the University of Connecticut, and is based on the National Elevation Dataset (NED). Drainage basin boundaries were verified and updated in the spring and fall of 1999, and were used to delineate basins on this map. Drainage basin areas of Connecticut, Nosal, 1977, CT DEP Water Resources Program, 1999, was used to compile baseline data and update drainage basin boundaries. For a more absolute determination of elevation for locations within a drainage basin, it is recommended that a topographic map be used, or that a GIS or DEM be used. The digital elevation model (DEM) used to produce this map is a three-dimensional representation of the topographic surface of earth. As a result, the isometric surface of the DEM is shining from the northwestern direction. As a result, the highest elevated areas in Connecticut. The three-dimensional effect is apparent smooth, whereas steeper slopes appear rough with the grid pattern.

The major natural and artificial drainage basins shown on this map are delineated from Connecticut Water Resources Planning Board, 1971, Connecticut Water Resources Planning Board, 1973, 1977, and Connecticut Department of Public Works, 1982. Drainage basin boundaries shown on this map may not accurately delineate the location of a particular drainage basin. Drainage basin boundaries were manually digitized from the map and data created by the Natural Drainage Basin Study Committee. Digital spatial data may be downloaded from the CT DEP website to create a variety of other maps in PDF format. Visit the CT DEP website to download the digital spatial data shown on this map. Drainage basin boundaries shown on this map do not represent vegetation or climate regions. Drainage basin areas of Connecticut, Nosal, 1977, CT DEP Water Resources Program, 1999, was used to compile baseline data and update drainage basin boundaries. For a more absolute determination of elevation for locations within a drainage basin, it is recommended that a topographic map be used, or that a GIS or DEM be used. The digital elevation model (DEM) used to produce this map is a three-dimensional representation of the topographic surface of earth. As a result, the isometric surface of the DEM is shining from the northwestern direction. As a result, the highest elevated areas in Connecticut. The three-dimensional effect is apparent smooth, whereas steeper slopes appear rough with the grid pattern.

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