

NATURAL DRAINAGE BASINS

MAJOR, REGIONAL, SUBREGIONAL AND LOCAL BRANFORD, CONNECTICUT

LEGEND

- Basin Boundary**
- Major Basin
- Regional Basin
- Subregional Basin
- Local Basin

- Local Drainage Basin Direction**
- Outlet Direction
- Main Stem Direction
- Coastal Direction

- Elevation**
- High - 2,413 FT
- Low - 1 FT

EXPLANATION

This map shows the location and identification number of major, regional, subregional and local drainage basin areas intended to serve as a municipal guide for drainage basin delineation and identification. Local basins may be larger subregional, regional or major basin areas and are differentiated by their drainage basin boundary type and identification numbers. Arrows on the map represent general direction of surface water flow within local drainage basins. Local outlet direction is shown in purple. Main stem direction is shown in red. Coastal direction is shown in blue.

In order to create a three-dimensional effect, this map uses gradational shades of color rather than contour lines to depict elevation. Areas of low elevation in Connecticut are shown in light blue. Areas slightly higher in elevation are shown in light yellow, followed by green, orange, red, brown, grey, and white for the highest elevations. In Connecticut, flat areas are more common and also achieved by showing shadows cast on high ground as if sunlight is shining from the northwestern direction. As a result, the northwestern side of elevated areas is intentionally lighter in color than the southeastern side. The steeper slopes are rough and appear smooth, while the steeper slopes are rough with the southeastern side appearing darker in color. The elevation colors shown on this map do not represent vegetation or climate regions. For a more absolute determination of elevation for locations within a basin, refer to the companion map of Natural Drainage Basins that depicts elevation as contour lines instead of shaded relief.

Note: The major, regional and subregional drainage basin boundaries shown on this map are the same as those published on the 1:125,000-scale state map titled Natural Drainage Basins in Connecticut, Meticulous 1981. The basin boundaries shown on this map were digitized from the 1:24,000-scale compilation sheets used to publish the state map of Natural Drainage Basins in Connecticut, 1981.

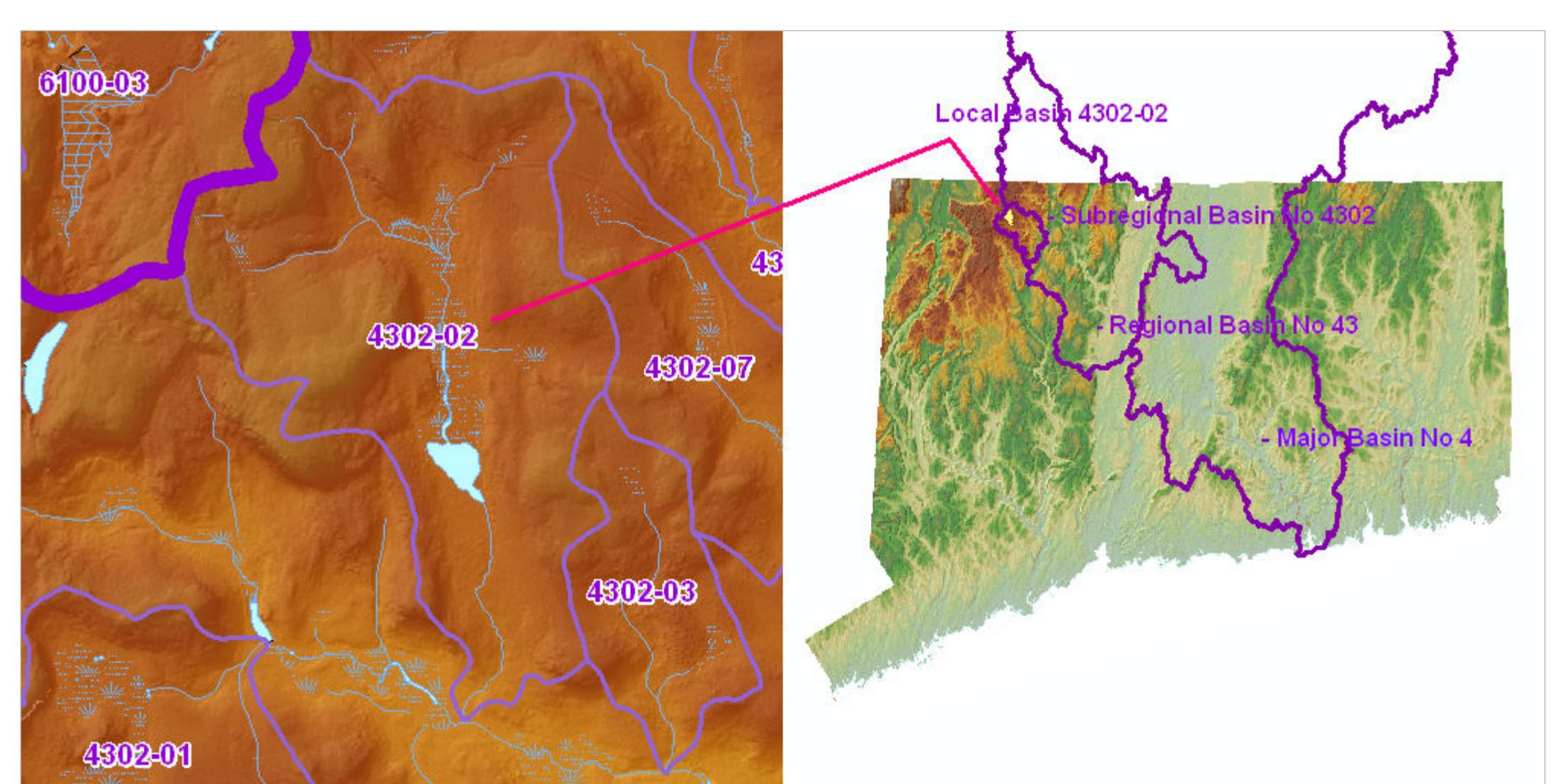


Figure 1. Example showing a typical local drainage basin and the subregional, regional, and major drainage basin it is part of.

DATA SOURCES

LOCAL DRAINAGE BASIN DATA - The drainage basin information shown on this map is based on the following digital spatial data: Connecticut Drainage Basin Areas and Boundary Poly. These two datasets were developed by CT DEP and depict major, regional, subregional, and local basin drainage areas and boundaries at 1:24,000-scale. These data depict drainage areas for Connecticut rivers, streams, brooks, lakes, reservoirs and ponds published on 1:24,000-scale 7.5 minute topographic quadrangle maps prepared by the USGS between 1969 and 1984.

SHADED RELIEF ELEVATION DATA - The data used to depict elevation on this map was developed by the University of Connecticut College of Agriculture and Natural Resources, Center for Land Use Education and Research (CLEAR). The three-dimensional effect was created using a ground elevation and a hill shade dataset from the University of Connecticut derived from Connecticut's 2000 statewide LiDAR dataset.

BASE MAP DATA - Based on data originally from 1:24,000-scale USGS 7.5 minute topographic quadrangle maps published between

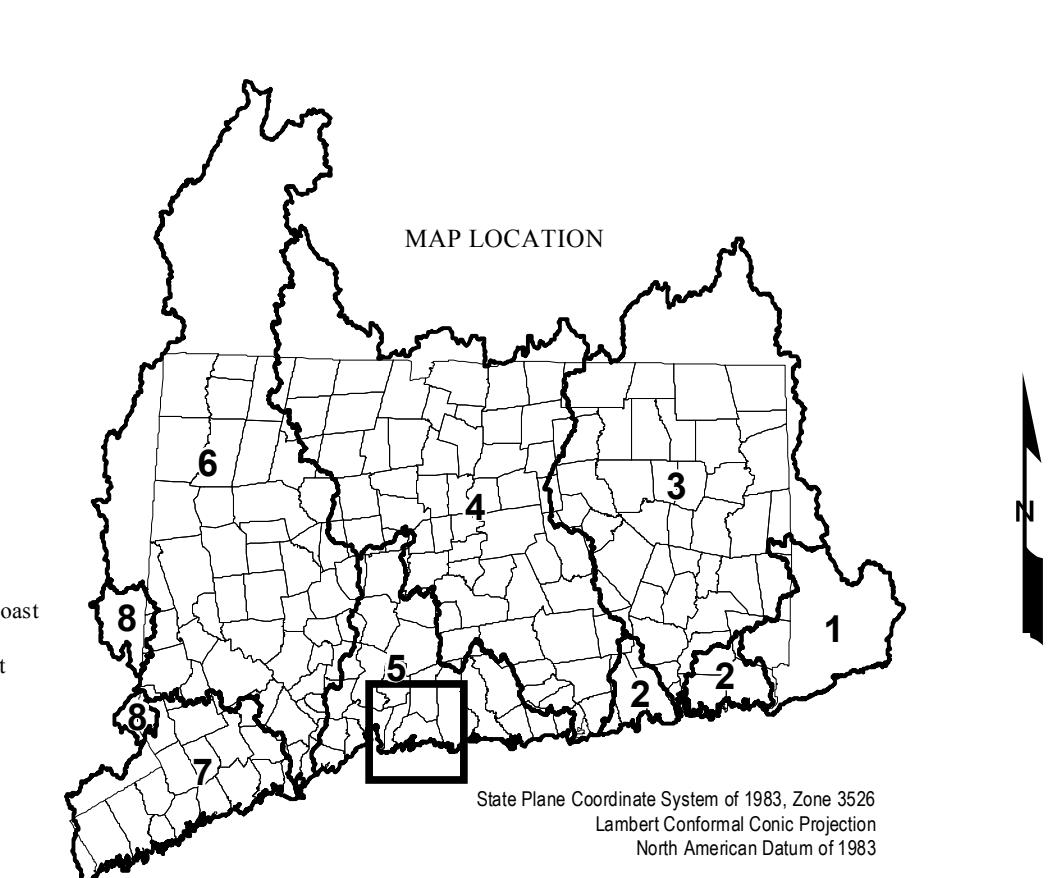
1969 and 1992. It includes political boundaries, railroads, airports, hydrography, geographic names and geographic places. Streets and street names are from Tele Atlas® copyrighted data. Base map information is either current or incomplete.

RELATED INFORMATION

The map is intended to be printed at its original dimensions in order to maintain the 1:24,000-scale (1 inch = 2000 feet).

To identify either all upstream basins draining to or all downstream basins flowing from a particular location, refer to the Gazetteer of Drainage Basin Areas of Connecticut, Nos. 1977, CT DEP Water Resources Bulletin 15, for the hydrologic sequence, headwater to outlet, of drainage basins.


MAPS AND DIGITAL DATA - Visit the CT ECO website for this map and a variety of others in PDF format. Visit the CT DEP website to download the digital spatial data shown on this map.



Map created by CT DEP
January 2010

Map is not colorfast
Protect from light and moisture

SCALE 1:24,000 (1 inch = 2000 feet) when map is printed at original size (48 x 36 in)



STATE OF CONNECTICUT
DEPARTMENT OF
ENVIRONMENTAL PROTECTION
79 Elm Street
Hartford, CT 06106-5127

University of
Connecticut
College of Agriculture
and Natural Resources

CLEAR
Center for Land Use Education & Research