NATURAL DRAINAGE BASINS
MAJOR, REGIONAL, SUBREGIONAL AND LOCAL
VERNON, CONNECTICUT

LEGEND

Drainage Basin

MAJOR, REGIONAL, SUBREGIONAL AND LOCAL

1,250

6

Housatonic

Local Drainage Basin Direction

EXPLANATION

The map shows the location and boundaries of major drainage basins in the area of Vernon, Connecticut, as well as regional, subregional, and local basins. The boundaries are delineated by contour lines and hydrography, indicating the shape of the land surface. Local outlet direction is shown in purple, and main drainage basins are represented by closely spaced contour lines. Contour lines that cross characteristics are widely spaced, while steep slopes are represented by closely spaced contour lines. Elevation information is not intended for exact determinations but provides a general sense of elevation. The map includes detailed information on drainage basins, outlet direction, and other relevant features.

DATA SOURCES

NATURAL RESOURCES DATA: The drainage data was compiled using 7.5-minute topographic quadrangles and is derived from the U.S. Geological Survey, the U.S. Army Corps of Engineers, and the Connecticut Department of Transportation. The topographic footages were georectified to the National Geodetic Vertical Datum of 1929 (NGVD29) and U.S. National Geodetic Reference System (NGS). The quadrangles were derived from the U.S. Geological Survey (USGS) quadrangles of 1:24,000 scale. The drainage basins were defined using a combination of the topographic footages and other data sources. The map was created using ArcGIS software, and the final product was georectified to the U.S. National Grid (UTM Zone 17 NAD 83). The map was produced by the Connecticut Department of Agriculture and Natural Resources, University of Connecticut.

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Figure 1: Example showing a portion of drainage basin and subbasin delineation. Drainage basin boundaries are shown on the map by closely spaced contour lines. Contour lines that cross characteristics are widely spaced, while steep slopes are indicated by closely spaced contour lines. The map includes detailed information on drainage basins, outlet direction, and other relevant features.