# CONNECTICUT SOILS
# TOLLAND, CONNECTICUT

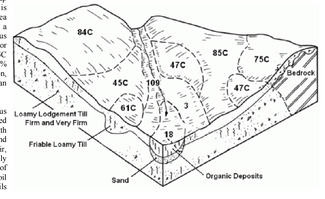
| Map Symbol | Map Unit |
|---|---|
| 2 | Ridgebury fine sandy loam |
| 3 | Ridgebury, Leicester, and Whitman soils, extremely stony |
| 4 | Leicester fine sandy loam |
| 5 | Wilbraham silt loam |
| 6 | Wilbraham and Menlo soils, extremely stony |
| 7 | Madgepond silt loam |
| 8 | Madgepond and Alden soils, extremely stony |
| 9 | Scitico, Shaker, and Mayfield soils |
| 10 | Raynham silt loam |
| 12 | Rayged silt loam |
| 13 | Walpole sandy loam |
| 14 | Freetos silt loam |
| 15 | Scarboro muck |
| 16 | Halsey silt loam |
| 17 | Timakwa and Natchaug soils |
| 18 | Cadien and Freetown soils |
| 20A | Ellington silt loam, 0 to 5 percent slopes |
| 21A | Ninigret and Tisbury soils, 0 to 5 percent slopes |
| 22A | Hero gravelly loam, 0 to 3 percent slopes |
| 22B | Hero gravelly loam, 3 to 8 percent slopes |
| 23A | Sudbury sandy loam, 0 to 5 percent slopes |
| 24A | Deerfield loamy fine sand, 0 to 3 percent slopes |
| 25A | Branford silt loam, 0 to 3 percent slopes |
| 25B | Branford silt loam, 3 to 8 percent slopes |
| 25C | Branford silt loam, 8 to 15 percent slopes |
| 26A | Berlin silt loam, 0 to 3 percent slopes |
| 26B | Berlin silt loam, 3 to 8 percent slopes |
| 27A | Belgrade silt loam, 0 to 5 percent slopes |
| 28A | Elmridge fine sandy loam, 0 to 3 percent slopes |
| 28B | Elmridge fine sandy loam, 3 to 8 percent slopes |
| 29A | Agawam fine sandy loam, 0 to 3 percent slopes |
| 29B | Agawam fine sandy loam, 3 to 8 percent slopes |
| 29C | Agawam fine sandy loam, 8 to 15 percent slopes |
| 30A | Branford silt loam, 0 to 3 percent slopes |
| 30B | Branford silt loam, 3 to 8 percent slopes |
| 30C | Branford silt loam, 8 to 15 percent slopes |
| 31A | Copake fine sandy loam, 0 to 3 percent slopes |
| 31B | Copake fine sandy loam, 3 to 8 percent slopes |
| 31C | Copake gravelly loam, 8 to 15 percent slopes |
| 32A | Haven and Enfield soils, 0 to 3 percent slopes |
| 32B | Haven and Enfield soils, 3 to 8 percent slopes |
| 32C | Haven and Enfield soils, 8 to 15 percent slopes |
| 33A | Hartford sandy loam, 0 to 3 percent slopes |
| 33B | Hartford sandy loam, 3 to 8 percent slopes |
| 34A | Merrimac sandy loam, 0 to 3 percent slopes |
| 34B | Merrimac sandy loam, 3 to 8 percent slopes |
| 34C | Merrimac sandy loam, 8 to 15 percent slopes |
| 35A | Pemwood loamy sand, 0 to 3 percent slopes |
| 35B | Pemwood loamy sand, 3 to 8 percent slopes |
| 36A | Windsor loamy sand, 0 to 3 percent slopes |
| 36B | Windsor loamy sand, 3 to 8 percent slopes |
| 36C | Windsor loamy sand, 8 to 15 percent slopes |
| 37A | Manchester gravelly sandy loam, 0 to 3 percent slopes |
| 37C | Manchester gravelly sandy loam, 3 to 15 percent slopes |
| 37E | Manchester gravelly sandy loam, 15 to 45 percent slopes |
| 38A | Hinckley gravelly sandy loam, 0 to 3 percent slopes |
| 38C | Hinckley gravelly sandy loam, 3 to 15 percent slopes |
| 38E | Hinckley gravelly sandy loam, 15 to 45 percent slopes |
| 39A | Groton gravelly sandy loam, 0 to 3 percent slopes |
| 39C | Groton gravelly sandy loam, 3 to 15 percent slopes |
| 39E | Groton gravelly sandy loam, 15 to 45 percent slopes |
| 40A | Ludlow silt loam, 0 to 3 percent slopes |
| 40B | Ludlow silt loam, 3 to 8 percent slopes |
| 41B | Ludlow silt loam, 2 to 8 percent slopes, very stony |
| 42C | Ludlow silt loam, 2 to 15 percent slopes, extremely stony |
| 43A | Rainbow silt loam, 0 to 3 percent slopes |
| 43B | Rainbow silt loam, 3 to 8 percent slopes |
| 44B | Rainbow silt loam, 2 to 8 percent slopes, very stony |
| 45A | Woodbridge fine sandy loam, 0 to 3 percent slopes |
| 45B | Woodbridge fine sandy loam, 3 to 8 percent slopes |
| 45C | Woodbridge fine sandy loam, 8 to 15 percent slopes |
| 46B | Woodbridge fine sandy loam, 2 to 8 percent slopes, very stony |
| 46C | Woodbridge fine sandy loam, 8 to 15 percent slopes, very stony |
| 47C | Woodbridge fine sandy loam, 2 to 15 percent slopes, extremely stony |
| 48B | Georgia and Amenia silt loams, 2 to 8 percent slopes |
| 48C | Georgia and Amenia silt loams, 8 to 15 percent slopes |
| 49B | Georgia and Amenia silt loams, 3 to 8 percent slopes, very stony |
| 49C | Georgia and Amenia silt loams, 8 to 15 percent slopes, very stony |
| 50A | Sutton fine sandy loam, 0 to 3 percent slopes |
| 50B | Sutton fine sandy loam, 3 to 8 percent slopes |
| 51B | Sutton fine sandy loam, 2 to 8 percent slopes, very stony |
| 52C | Sutton fine sandy loam, 2 to 15 percent slopes, extremely stony |
| 53A | Wapping very fine sandy loam, 0 to 3 percent slopes |
| 53B | Wapping very fine sandy loam, 3 to 8 percent slopes |
| 54B | Wapping very fine sandy loam, 2 to 8 percent slopes, very stony |
| 55A | Watchaug fine sandy loam, 0 to 3 percent slopes |
| 55B | Watchaug fine sandy loam, 3 to 8 percent slopes |
| 56B | Watchaug fine sandy loam, 2 to 8 percent slopes, very stony |
| 57B | Glosscester gravelly sandy loam, 3 to 8 percent slopes |
| 57C | Glosscester gravelly sandy loam, 8 to 15 percent slopes |
| 57D | Glosscester gravelly sandy loam, 15 to 25 percent slopes |
| 58B | Glosscester gravelly sandy loam, 3 to 8 percent slopes, very stony |
| 58C | Glosscester gravelly sandy loam, 8 to 15 percent slopes, very stony |
| 59C | Glosscester gravelly sandy loam, 3 to 15 percent slopes, extremely stony |
| 59D | Glosscester gravelly sandy loam, 15 to 25 percent slopes, extremely stony |
| 60B | Canton and Charlton soils, 3 to 8 percent slopes |
| 60C | Canton and Charlton soils, 8 to 15 percent slopes |
| 60D | Canton and Charlton soils, 15 to 25 percent slopes |
| 61B | Canton and Charlton soils, 3 to 8 percent slopes, very stony |
| 61C | Canton and Charlton soils, 8 to 15 percent slopes, very stony |
| 62C | Canton and Charlton soils, 3 to 15 percent slopes, extremely stony |
| 62E | Canton and Charlton soils, 15 to 35 percent slopes, extremely stony |
| 63B | Chesbire fine sandy loam, 3 to 8 percent slopes |
| 63C | Chesbire fine sandy loam, 8 to 15 percent slopes |
| 63D | Chesbire fine sandy loam, 15 to 25 percent slopes |
| 64B | Chesbire fine sandy loam, 3 to 8 percent slopes, very stony |
| 64C | Chesbire fine sandy loam, 8 to 15 percent slopes, very stony |
| 65C | Chesbire fine sandy loam, 3 to 15 percent slopes, extremely stony |
| 65D | Chesbire fine sandy loam, 15 to 35 percent slopes, extremely stony |
| 66B | Narragansett silt loam, 2 to 8 percent slopes |
| 66C | Narragansett silt loam, 8 to 15 percent slopes |
| 67B | Narragansett silt loam, 3 to 8 percent slopes, very stony |
| 67C | Narragansett silt loam, 8 to 15 percent slopes, very stony |
| 68C | Narragansett silt loam, 3 to 15 percent slopes, extremely stony |
| 89B | Wethersfield loam, 3 to 8 percent slopes |
| 89C | Wethersfield loam, 8 to 15 percent slopes, extremely stony |
| 89D | Wethersfield loam, 15 to 35 percent slopes, extremely stony |
| 90B | Stockbridge loam, 3 to 8 percent slopes |
| 90C | Stockbridge loam, 8 to 15 percent slopes |
| 90D | Stockbridge loam, 15 to 25 percent slopes |
| 91B | Stockbridge loam, 3 to 8 percent slopes, very stony |
| 91C | Stockbridge loam, 8 to 15 percent slopes, very stony |
| 91D | Stockbridge loam, 15 to 35 percent slopes, very stony |
| 92B | Nellis fine sandy loam, 3 to 8 percent slopes |
| 92C | Nellis fine sandy loam, 8 to 15 percent slopes |
| 92D | Nellis fine sandy loam, 15 to 25 percent slopes |
| 93C | Nellis fine sandy loam, 3 to 15 percent slopes, very stony |
| 94C | Farmington-Nellis complex, 3 to 15 percent slopes, very rocky |
| 94E | Farmington-Nellis complex, 15 to 35 percent slopes, very rocky |
| 95C | Farmington-Rock outcrop complex, 3 to 15 percent slopes |
| 95E | Farmington-Rock outcrop complex, 15 to 45 percent slopes |
| 96 | Ipswich mucky peat |
| 97 | Pawcatuck mucky peat |
| 98 | Westbrook mucky peat |
| 99 | Westbrook mucky peat, low salt |
| 100 | Saco soils loamy fine sand |
| 101 | Occum fine sandy loam |
| 102 | Pootatuck fine sandy loam |
| 103 | Ripgowam fine sandy loam |
| 104 | Bash silt loam |
| 105 | Hadley silt loam |
| 106 | Winooski silt loam |
| 107 | Limerick and Lim soils |
| 108 | Saco silt loam |
| 109 | Fluvaquentic-Udifluvents complex, frequently flooded |
| 121A | Ninigret-Urban land complex, 0 to 5 percent slopes |
| 224A | Deerfield-Urban land complex, 0 to 3 percent slopes |
| 225B | Branford-Urban land complex, 0 to 8 percent slopes |
| 226B | Berlin-Urban land complex, 0 to 8 percent slopes |
| 228B | Elmridge-Urban land complex, 0 to 8 percent slopes |
| 229B | Agawam-Urban land complex, 0 to 8 percent slopes |
| 229C | Agawam-Urban land complex, 8 to 15 percent slopes |
| 230B | Branford-Urban land complex, 0 to 8 percent slopes |
| 230C | Branford-Urban land complex, 8 to 15 percent slopes |
| 232B | Haven-Urban land complex, 0 to 8 percent slopes |
| 234B | Merrimac-Urban land complex, 0 to 8 percent slopes |
| 235B | Pemwood-Urban land complex, 0 to 8 percent slopes |
| 236B | Windsor-Urban land complex, 0 to 8 percent slopes |
| 237A | Manchester-Urban land complex, 0 to 3 percent slopes |
| 237C | Manchester-Urban land complex, 3 to 15 percent slopes |
| 238A | Hinckley-Urban land complex, 0 to 3 percent slopes |
| 238C | Hinckley-Urban land complex, 3 to 15 percent slopes |
| 240B | Ludlow-Urban land complex, 0 to 8 percent slopes |
| 243B | Rainbow-Urban land complex, 0 to 8 percent slopes |
| 245B | Woodbridge-Urban land complex, 0 to 8 percent slopes |
| 245C | Woodbridge-Urban land complex, 8 to 15 percent slopes |
| 248B | Georgia-Urban land complex, 2 to 8 percent slopes |
| 250B | Sutton-Urban land complex, 0 to 8 percent slopes |
| 253B | Wapping-Urban land complex, 0 to 8 percent slopes |
| 255B | Watchaug-Urban land complex, 0 to 8 percent slopes |
| 260B | Charlton-Urban land complex, 3 to 8 percent slopes |
| 260C | Charlton-Urban land complex, 8 to 15 percent slopes |
| 260D | Charlton-Urban land complex, 15 to 25 percent slopes |
| 263B | Chesbire-Urban land complex, 3 to 8 percent slopes |
| 263C | Chesbire-Urban land complex, 8 to 15 percent slopes |
| 266B | Narragansett-Urban land complex, 3 to 8 percent slopes |
| 269B | Ysleville-Urban land complex, 3 to 8 percent slopes |
| 269C | Ysleville-Urban land complex, 8 to 15 percent slopes |
| 273C | Urban land-Charlton-Chatfield complex, rocky, 3 to 15 percent slopes |
| 273E | Urban land-Charlton-Chatfield complex, rocky, 15 to 45 percent slopes |
| 275C | Urban land-Chatfield complex, rocky, 3 to 15 percent slopes |
| 275E | Urban land-Chatfield-Rock outcrop complex, 15 to 45 percent slopes |
| 282B | Broadbrook-Urban land complex, 3 to 8 percent slopes |
| 284B | Paxton-Urban land complex, 0 to 8 percent slopes |
| 284C | Paxton-Urban land complex, 8 to 15 percent slopes |
| 284D | Paxton-Urban land complex, 15 to 25 percent slopes |
| 287B | Wethersfield-Urban land complex, 3 to 8 percent slopes |
| 287C | Wethersfield-Urban land complex, 8 to 15 percent slopes |
| 287D | Wethersfield-Urban land complex, 15 to 25 percent slopes |
| 290B | Stockbridge-Urban land complex, 3 to 8 percent slopes |
| 290C | Stockbridge-Urban land complex, 8 to 15 percent slopes |
| 290D | Stockbridge-Urban land complex, 15 to 25 percent slopes |
| 301 | Beaches-Udipsamments complex, coastal |
| 302 | Dumps |
| 303 | Pits, quarries |
| 304 | Udorthents, loamy, very steep |
| 305 | Udorthents-Pits complex, gravelly |
| 306 | Udorthents-Urban land complex |
| 307 | Urban land |
| 308 | Udorthents, smoothed |
| 309 | Udorthents, flood control |
| 310 | Udorthents, periodically flooded |
| 401C | Macomber-Taconic complex, 3 to 15 percent slopes, very rocky |
| 402D | Taconic-Macomber-Rock outcrop complex, 15 to 35 percent slopes |
| 403C | Taconic-Rock outcrop complex, 3 to 15 percent slopes |
| 403E | Taconic-Rock outcrop complex, 15 to 45 percent slopes |
| 403F | Taconic-Rock outcrop complex, 45 to 70 percent slopes |
| 405C | Dummerston gravelly loam, 3 to 15 percent slopes, very stony |
| 405E | Dummerston gravelly loam, 15 to 45 percent slopes, very stony |
| 407C | Lanesboro loam, 3 to 15 percent slopes, very stony |
| 407E | Lanesboro loam, 15 to 45 percent slopes, very stony |
| 408C | Fullam silt loam, 3 to 15 percent slopes, very stony |
| 409B | Brayton mucky silt loam, 0 to 8 percent slopes, very stony |
| 412B | Bice fine sandy loam, 3 to 8 percent slopes |
| 412C | Bice fine sandy loam, 8 to 15 percent slopes |
| 412D | Bice fine sandy loam, 15 to 25 percent slopes |
| 413C | Bice-Millsite complex, 3 to 15 percent slopes, very rocky |
| 413E | Bice-Millsite complex, 15 to 45 percent slopes, very rocky |
| 414 | Fredon silt loam, cold |
| 415C | Westminster-Millsite-Rock outcrop complex, 3 to 15 percent slopes |
| 415E | Westminster-Millsite-Rock outcrop complex, 15 to 45 percent slopes |
| 416E | Rock outcrop-Westminster complex, 8 to 45 percent slopes |
| 416F | Rock outcrop-Westminster complex, 45 to 70 percent slopes |
| 417B | Bice fine sandy loam, 3 to 8 percent slopes, very stony |
| 417C | Bice fine sandy loam, 8 to 15 percent slopes, very stony |
| 417D | Bice fine sandy loam, 15 to 25 percent slopes, very stony |
| 418C | Schroon fine sandy loam, 2 to 15 percent slopes, very stony |
| 420A | Schroon fine sandy loam, 0 to 3 percent slopes |
| 420B | Schroon fine sandy loam, 3 to 8 percent slopes |
| 421A | Ninigret fine sandy loam, cold, 0 to 3 percent slopes |
| 423A | Sudbury sandy loam, cold, 0 to 3 percent slopes |
| 424C | Shelburne fine sandy loam, 8 to 15 percent slopes |
| 424D | Shelburne fine sandy loam, 15 to 25 percent slopes |
| 425B | Shelburne fine sandy loam, 3 to 8 percent slopes, very stony |
| 425C | Shelburne fine sandy loam, 8 to 15 percent slopes, very stony |
| 426D | Shelburne fine sandy loam, 15 to 35 percent slopes, extremely stony |
| 427B | Ashfield fine sandy loam, 2 to 8 percent slopes, very stony |
| 427C | Ashfield fine sandy loam, 8 to 15 percent slopes, very stony |
| 428A | Ashfield fine sandy loam, 0 to 3 percent slopes |
| 428B | Ashfield fine sandy loam, 3 to 8 percent slopes |
| 429C | Ashfield fine sandy loam, 8 to 15 percent slopes |
| 429A | Agawam fine sandy loam, cold, 0 to 3 percent slopes |
| 429B | Agawam fine sandy loam, cold, 3 to 8 percent slopes |
| 429C | Agawam fine sandy loam, cold, 8 to 15 percent slopes |
| 433 | Meesilauke sandy loam |
| 434A | Merrimac sandy loam, cold, 0 to 3 percent slopes |
| 434B | Merrimac sandy loam, cold, 3 to 8 percent slopes |
| 434C | Merrimac sandy loam, cold, 8 to 15 percent slopes |
| 435 | Scarboro muck, cold |
| 436 | Halsey silt loam, cold |
| 437 | Wonsqueak mucky peat |
| 438 | Beckport muck |
| 440A | Boscawen gravelly sandy loam, 0 to 3 percent slopes |
| 440C | Boscawen gravelly sandy loam, 3 to 15 percent slopes |
| 440E | Boscawen gravelly sandy loam, 15 to 45 percent slopes |
| 442 | Brayton loam |
| 443 | Brayton-Loornesdow complex, extremely stony |
| 449B | Hogansburg loam, 3 to 8 percent slopes |
| 449B | Hogansburg loam, 3 to 8 percent slopes, very stony |
| 449C | Hogansburg loam, 8 to 15 percent slopes, very stony |
| 450B | Pyrites loam, 3 to 8 percent slopes |
| 450C | Pyrites loam, 8 to 15 percent slopes |
| 450D | Pyrites loam, 15 to 25 percent slopes |
| 451B | Pyrites loam, 3 to 8 percent slopes, very stony |
| 451C | Pyrites loam, 8 to 15 percent slopes, very stony |
| 451D | Pyrites loam, 15 to 25 percent slopes, very stony |
| 457 | Madgepond silt loam, cold |
| 458 | Madgepond and Alden soils, extremely stony, cold |
| 501 | Ondawa fine sandy loam |
| 503 | Rumney fine sandy loam |
| 508 | Medomak silt loam |

## EXPLANATION

Soils occur in a repeating and recognizable pattern on the landscape. Soil maps are made by separating the landscape into map units. Each soil map unit differs in some respect from all others in a survey area and is uniquely identified on a soil map. A soil map unit represents an area dominated by one to three major soil components. They are usually a named soil series (i.e. Paxton or Canton), but can also be a miscellaneous area (i.e. Rock Outcrop or Urban Land), and potentially many minor components both similar and dissimilar. For example, soil map unit 75C Hollis-Chatfield-Rock outcrop complex, contains 35% Hollis, 30% Charfield, 15% Rock outcrop. The other 20% may include Charlton, Leicester, Sutton, Brimfield, an unnamed soil with sandy subsoil, and an unnamed soil with red parent material.

The soil survey contains interpretations or ratings of the soils for various land uses which are based on the soil properties that affect the intended use. Soil interpretations provide users of soil survey information with predictions of soil behavior to help in the development of reasonable and effective alternatives for the use and management of soil, water, air, plant, and animal resources. Interpretations are dynamic and periodically revised to reflect improved soils data, new technology, and the needs of the soil survey users. In Connecticut, there are approximately 70 soil properties and 90 interpretations that are contained within the soils database.

**Example of soil map units**




## HOW TO USE THIS MAP

The soil map unit symbol is the key to indentifying the multitude of descriptions, properties, interpretations, reports and ratings that are included in the soil survey. Some of the most requested interpretations are available from CT ECO, such as Farmland Soils, Connecticut Inland Wetland Soils, Soil Storm Water Management ratings, and others.

Additional information is available in the Soil Survey of the State of Connecticut http://www.ct.nrcs.usda.gov/soils.html and at the Soil Data Mart http://soildatamart.nrcs.usda.gov .

Soil Map Unit

## DATA SOURCES

SOIL DATA - Soil map units shown on this map are from the 2007 Soil Survey Geographic Database (SSURGO) database produced by the USDA, Natural Resources Conservation Service (NRCS). The soils were mapped at a scale of 1:12,000 with a minimum size delineation of three acres. Enlargement of this map beyond the original source scale will not show additional detail and can cause misunderstanding of the detail of mapping. For the most recent soils data contact the NRCS.

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 neither current nor complete.

1 Miles
0 0.5 0
1000 0 1000 2000 3000 4000 5000 6000 7000 Feet
1 0.5 0 1 Kilometers

SCALE 1:24,000 (1 inch = 2,000 feet) when map is printed at original size (48 x 36 in)

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

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

MAP LOCATION

State Plane Coordinate System of 1983, Zone 3526
Lambert Conformal Conic Projection
North American Datum of 1983


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



Map created by CT DEP
October 2009
Map is not colorfast
Protect from light and moisture


U.S. Department of Agriculture
NRCS Natural Resources Conservation Service

The USDA is an equal opportunity provider and employer.

SOMERS
STAFFORD
ELLINGTON
TOLLAND
VERNON
WILLINGTON
COVENTRY
MANSFIELD
BOLTON