CONNECTICUT SOILS
HADDAM, 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	Freeton silt loam
15	Scarboro muck
16	Halsey silt loam
17	Timakwa and Natchaug soils
18	Carlton and Freetown soils
20	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	Raynham silt loam, 0 to 3 percent slopes
43B	Raynham silt loam, 3 to 8 percent slopes
44B	Raynham 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
46A	Woodbridge fine sandy loam, 0 to 3 percent slopes, very stony
46B	Woodbridge fine sandy loam, 3 to 8 percent slopes, very stony
47C	Woodbridge fine sandy loam, 2 to 15 percent slopes, extremely stony
48A	Georgia and Armenia silt loams, 2 to 8 percent slopes
48C	Georgia and Armenia silt loams, 8 to 15 percent slopes
49B	Georgia and Armenia silt loams, 3 to 8 percent slopes, very stony
49C	Georgia and Armenia 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	Gloucester gravelly sandy loam, 3 to 8 percent slopes
57C	Gloucester gravelly sandy loam, 8 to 15 percent slopes
57D	Gloucester gravelly sandy loam, 15 to 25 percent slopes
58B	Gloucester gravelly sandy loam, 3 to 8 percent slopes, very stony
58C	Gloucester gravelly sandy loam, 8 to 15 percent slopes, very stony
59C	Gloucester gravelly sandy loam, 3 to 15 percent slopes, extremely stony
59D	Gloucester gravelly sandy loam, 15 to 35 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
62D	Canton and Charlton soils, 15 to 35 percent slopes, extremely stony
63B	Cheshire fine sandy loam, 3 to 8 percent slopes
63C	Cheshire fine sandy loam, 8 to 15 percent slopes
63D	Cheshire fine sandy loam, 15 to 25 percent slopes
64B	Cheshire fine sandy loam, 3 to 8 percent slopes, very stony
64C	Cheshire fine sandy loam, 8 to 15 percent slopes, very stony
64D	Cheshire fine sandy loam, 15 to 25 percent slopes, very stony
65D	Cheshire 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

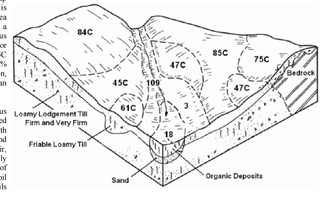
Map Symbol	Map Unit
90B	Stockbridge loam, 3 to 8 percent slopes
90C	Stockbridge loam, 8 to 15 percent slopes
90D	Stockbridge loam, 15 to 25 percent slopes
91B	Stockbridge, 3 to 8 percent slopes, very stony
91C	Stockbridge loam, 8 to 15 percent slopes, very stony
91D	Stockbridge loam, 15 to 35 percent 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, 0 to 3 percent slopes
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
221A	Ninigret-Urban land complex, 0 to 3 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	Raynham-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	Cheshire-Urban land complex, 3 to 8 percent slopes
263C	Cheshire-Urban land complex, 8 to 15 percent slopes
266B	Narragansett-Urban land complex, 3 to 8 percent slopes
269B	Ydenville-Urban land complex, 3 to 8 percent slopes
269C	Ydenville-Urban land complex, 8 to 15 percent slopes
271C	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 25 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, 8 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	Freetown 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	Scituate fine sandy loam, 2 to 15 percent slopes, very stony
420A	Scituate fine sandy loam, 0 to 3 percent slopes
420B	Scituate fine sandy loam, 3 to 8 percent slopes
421A	Ninigret fine sandy loam, cold, 0 to 3 percent slopes
422A	Sudbury sandy loam, cold, 0 to 3 percent slopes
424B	Shelburne fine sandy loam, 3 to 8 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
428C	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	Muscolalah 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	Wonsequik mucky peat
438	Bucksport muck
440A	Boxcreek gravelly sandy loam, 0 to 3 percent slopes
440C	Boxcreek gravelly sandy loam, 3 to 15 percent slopes
440E	Boxcreek gravelly sandy loam, 15 to 45 percent slopes
442	Brayton loam
443	Brayton-Loomeadow complex, extremely stony
448B	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% Chatfield, 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 0 0.5 0 1 Miles

1000 0 1000 2000 3000 4000 5000 6000 7000 Feet

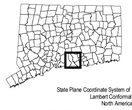
1 0 0.5 0 1 Kilometers

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

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MIDDLETOWN
PORTLAND
HADDAM
DURHAM
EAST HADDAM
CHESTER
LYME
DEEP RIVER
Connecticut River
Wesleyan University
Middlesex Hospital
Middletown High School
Mercy High School
Middletown Community College
Westfield Meadows
Westfield Acres
Pameacha Brook
Lake Shenipsit
Lake Beseck
Silvermine Pond
Crystal Lake
Ranney Brook
Ranney Reservoir
Harris Brook
Mount Ellen
Mount Ellen Brook
Mount Ellen Park
Hidden Pond
Crowfoot Mountain
Eagle Rock
Sumner Brook
Stockton Brook
Miners Pond
Pierce Pond
Candlewood Hill
Candlewood Hill Brook
Deep Brook Pond
Deep Brook
Deep Brook Reservoir
Tom Brook Pond
Tom Brook
Pistapaug Pond
Three Brook Road
Three Brook Pond
Lock Shenipsit
Rose Valley Pond
Rose Valley Brook
Bear Hill
Bear Rock
Bald Rock
Bald Rock Brook
Bald Rock Pond
Bald Rock Park
Bald Rock Road
Bald Rock Brook Park
Bald Rock Brook
Bald Rock Road
Bald Rock Road Park
Bald Rock Road Brook
Bald Rock Road Pond
Bald Rock Road Dam
Bunker Hill Road
Bunker Hill Road Brook
Bunker Hill Road Dam
Bunker Hill Road Pond
Bunker Hill Road Park
Bunker Hill Road Park Brook
Bunker Hill Road Park Pond
Bunker Hill Road Park Dam