




## MAP LEGEND

### Area of Interest (AOI)









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### Soils

#### Soil Rating Polygons





 A  
 A/D  
 B  
 B/D  
 C  
 C/D  
 D  
 Not rated or not available

#### Soil Rating Lines


 A  
 A/D  
 B  
 B/D  
 C  
 C/D  
 D  
 Not rated or not available

#### Soil Rating Points






 A  
 A/D  
 B  
 B/D

 C  
 C/D  
 D  
 Not rated or not available

### Water Features

 Streams and Canals

### Transportation

 Rails  
 Interstate Highways  
 US Routes  
 Major Roads  
 Local Roads

### Background

 Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
 Web Soil Survey URL:  
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: State of Connecticut, Western Part  
 Survey Area Data: Version 6, Sep 16, 2025

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jun 14, 2022—Jul 1, 2024

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
5	Wilbraham silt loam, 0 to 3 percent slopes	C/D	3.5	1.0%
12	Raypol silt loam, 0 to 3 percent slopes	B/D	14.8	4.4%
13	Walpole sandy loam, 0 to 3 percent slopes	B/D	3.1	0.9%
20A	Ellington silt loam, 0 to 5 percent slopes	A/D	20.2	6.0%
30B	Branford silt loam, 3 to 8 percent slopes	B	37.7	11.3%
35B	Penwood loamy sand, 3 to 8 percent slopes	A	6.9	2.1%
37A	Manchester gravelly sandy loam, 0 to 3 percent slopes	A	4.1	1.2%
37C	Manchester gravelly sandy loam, 3 to 15 percent slopes	A	103.0	30.8%
55B	Watchaug fine sandy loam, 3 to 8 percent slopes	B/D	4.0	1.2%
63B	Cheshire fine sandy loam, 3 to 8 percent slopes	B	25.2	7.5%
63C	Cheshire fine sandy loam, 8 to 15 percent slopes	B	11.5	3.4%
69B	Yalesville fine sandy loam, 3 to 8 percent slopes	C	10.5	3.1%
69C	Yalesville fine sandy loam, 8 to 15 percent slopes	C	7.4	2.2%
77C	Cheshire-Holyoke complex, 3 to 15 percent slopes, very rocky	B	1.0	0.3%
77D	Cheshire-Holyoke complex, 15 to 35 percent slopes, very rocky	B	3.2	1.0%
78C	Holyoke-Rock outcrop complex, 3 to 15 percent slopes	D	2.7	0.8%

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
78E	Holyoke-Rock outcrop complex, 15 to 45 percent slopes	D	10.7	3.2%
87C	Wethersfield loam, 8 to 15 percent slopes	C	0.8	0.2%
102	Pootatuck fine sandy loam	A/D	40.8	12.2%
305	Udorthents-Pits complex, gravelly	C	20.4	6.1%
308	Udorthents, smoothed	B	1.4	0.4%
W	Water		1.9	0.6%
<b>Totals for Area of Interest</b>			<b>334.7</b>	<b>100.0%</b>

## Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

## Rating Options

*Aggregation Method:* Dominant Condition

*Component Percent Cutoff:* None Specified

*Tie-break Rule:* Higher