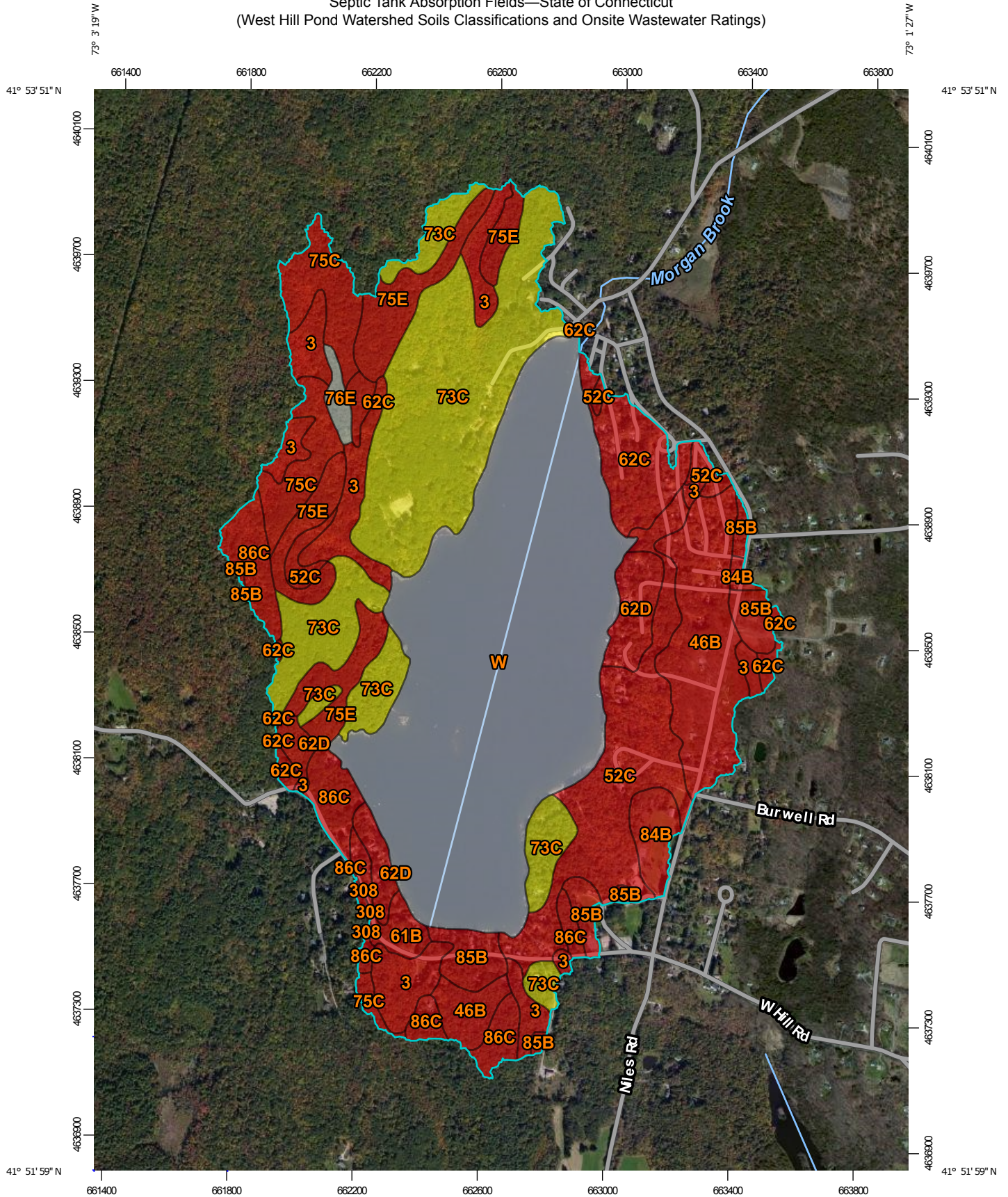


Septic Tank Absorption Fields—State of Connecticut  
 (West Hill Pond Watershed Soils Classifications and Onsite Wastewater Ratings)























Map Scale: 1:16,800 if printed on A portrait (8.5" x 11") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84

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 (West Hill Pond Watershed Soils Classifications and Onsite Wastewater Ratings)

## MAP LEGEND

- Area of Interest (AOI)**  
 Area of Interest (AOI)
- Background**  
 Aerial Photography
- Soils**
- Soil Rating Polygons**
-  Very limited
  -  Somewhat limited
  -  Not limited
  -  Not rated or not available
- Soil Rating Lines**
-  Very limited
  -  Somewhat limited
  -  Not limited
  -  Not rated or not available
- Soil Rating Points**
-  Very limited
  -  Somewhat limited
  -  Not limited
  -  Not rated or not available
- Water Features**
-  Streams and Canals
- Transportation**
-  Rails
  -  Interstate Highways
  -  US Routes
  -  Major Roads
  -  Local Roads

## 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  
 Survey Area Data: Version 15, Sep 28, 2016

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

Date(s) aerial images were photographed: Mar 28, 2011—Oct 9, 2011

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.

## Septic Tank Absorption Fields

Septic Tank Absorption Fields— Summary by Map Unit — State of Connecticut (CT600)						
Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
3	Ridgebury, Leicester, and Whitman soils, 0 to 8 percent slopes, extremely stony	Very limited	Ridgebury, extremely stony (40%)	Depth to saturated zone (1.00)	48.4	6.4%
				Slow water movement (1.00)		
			Leicester, extremely stony (35%)	Depth to saturated zone (1.00)		
				Slow water movement (0.32)		
			Whitman, extremely stony (17%)	Ponding (1.00)		
				Depth to saturated zone (1.00)		
				Slow water movement (1.00)		
			Woodbridge, extremely stony (6%)	Depth to saturated zone (1.00)		
				Slow water movement (1.00)		
			Swansea (2%)	Ponding (1.00)		
				Depth to saturated zone (1.00)		
				Seepage, bottom layer (1.00)		
				Flooding (0.40)		
				Slow water movement (0.32)		
46B	Woodbridge fine sandy loam, 0 to 8 percent slopes, very stony	Very limited	Woodbridge, very stony (82%)	Depth to saturated zone (1.00)	53.7	7.1%
				Slow water movement (1.00)		

Septic Tank Absorption Fields— Summary by Map Unit — State of Connecticut (CT600)						
Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
			Paxton, very stony (10%)	Depth to saturated zone (1.00)		
				Slow water movement (1.00)		
			Ridgebury, very stony (8%)	Depth to saturated zone (1.00)		
				Slow water movement (1.00)		
52C	Sutton fine sandy loam, 2 to 15 percent slopes, extremely stony	Very limited	Sutton (80%)	Depth to saturated zone (1.00)	66.3	8.7%
				Seepage, bottom layer (1.00)		
				Slope (0.04)		
			Charlton (5%)	Seepage, bottom layer (1.00)		
			Canton (4%)	Seepage, bottom layer (1.00)		
			Paxton (3%)	Depth to saturated zone (1.00)		
				Slow water movement (1.00)		
				Slope (0.63)		
			Leicester (3%)	Depth to saturated zone (1.00)		
				Seepage, bottom layer (1.00)		
				Slow water movement (0.32)		
			Woodbridge (2%)	Depth to saturated zone (1.00)		
				Slow water movement (1.00)		
				Slope (0.63)		
			Rainbow (2%)	Depth to saturated zone (1.00)		

Septic Tank Absorption Fields— Summary by Map Unit — State of Connecticut (CT600)						
Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
				Slow water movement (1.00)		
			Narragansett (1%)	Seepage, bottom layer (1.00)		
				Slope (0.63)		
				Slow water movement (0.50)		
61B	Canton and Charlton fine sandy loams, 0 to 8 percent slopes, very stony	Very limited	Canton, very stony (50%)	Filtering capacity (1.00)	8.4	1.1%
				Seepage, bottom layer (1.00)		
			Chatfield, very stony (5%)	Depth to bedrock (1.00)		
				Slow water movement (0.32)		
			Sutton, very stony (5%)	Depth to saturated zone (1.00)		
				Slow water movement (0.32)		
			Leicester, very stony (5%)	Depth to saturated zone (1.00)		
				Slow water movement (0.32)		
62C	Canton and Charlton fine sandy loams, 3 to 15 percent slopes, extremely stony	Very limited	Canton, extremely stony (50%)	Filtering capacity (1.00)	29.7	3.9%
				Seepage, bottom layer (1.00)		
				Slope (0.16)		
			Chatfield, extremely stony (5%)	Depth to bedrock (1.00)		
				Slow water movement (0.32)		
				Slope (0.16)		
			Leicester, extremely stony (5%)	Depth to saturated zone (1.00)		
				Slow water movement (0.32)		

Septic Tank Absorption Fields— Summary by Map Unit — State of Connecticut (CT600)						
Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
			Sutton, extremely stony (5%)	Depth to saturated zone (1.00)		
				Slow water movement (0.32)		
				Slope (0.16)		
62D	Canton and Charlton fine sandy loams, 15 to 35 percent slopes, extremely stony	Very limited	Canton, extremely stony (55%)	Slope (1.00)	21.7	2.9%
				Filtering capacity (1.00)		
				Seepage, bottom layer (1.00)		
			Charlton, extremely stony (30%)	Slope (1.00)		
				Slow water movement (0.32)		
			Chatfield, extremely stony (5%)	Slope (1.00)		
				Depth to bedrock (1.00)		
				Slow water movement (0.32)		
			Hollis, extremely stony (5%)	Depth to bedrock (1.00)		
				Slope (1.00)		
			Sutton, extremely stony (5%)	Depth to saturated zone (1.00)		
				Slope (1.00)		
				Slow water movement (0.32)		
73C	Charlton-Chatfield complex, 0 to 15 percent slopes, very rocky	Somewhat limited	Charlton, very stony (50%)	Slow water movement (0.32)	144.5	19.0%
				Slope (0.04)		
75C	Hollis-Chatfield-Rock outcrop complex, 3 to 15 percent slopes	Very limited	Hollis (35%)	Depth to bedrock (1.00)	32.5	4.3%
				Seepage, bottom layer (1.00)		
				Slope (0.04)		
			Chatfield (30%)	Depth to bedrock (1.00)		

Septic Tank Absorption Fields— Summary by Map Unit — State of Connecticut (CT600)						
Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
				Seepage, bottom layer (1.00)		
				Slope (0.04)		
			Charlton (7%)	Seepage, bottom layer (1.00)		
				Slope (0.63)		
			Sutton (5%)	Depth to saturated zone (1.00)		
				Seepage, bottom layer (1.00)		
			Leicester (5%)	Depth to saturated zone (1.00)		
				Seepage, bottom layer (1.00)		
				Slow water movement (0.32)		
			Brimfield (1%)	Depth to bedrock (1.00)		
				Seepage, bottom layer (1.00)		
				Slope (0.04)		
75E	Hollis-Chatfield-Rock outcrop complex, 15 to 45 percent slopes	Very limited	Hollis (35%)	Depth to bedrock (1.00)	43.2	5.7%
				Slope (1.00)		
				Seepage, bottom layer (1.00)		
			Chatfield (30%)	Slope (1.00)		
				Depth to bedrock (1.00)		
				Seepage, bottom layer (1.00)		
			Charlton (7%)	Slope (1.00)		
				Seepage, bottom layer (1.00)		
			Sutton (5%)	Depth to saturated zone (1.00)		
				Seepage, bottom layer (1.00)		
				Slope (0.04)		

Septic Tank Absorption Fields— Summary by Map Unit — State of Connecticut (CT600)						
Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
			Leicester (5%)	Depth to saturated zone (1.00)		
				Seepage, bottom layer (1.00)		
				Slow water movement (0.32)		
			Brimfield (1%)	Depth to bedrock (1.00)		
				Slope (1.00)		
				Seepage, bottom layer (1.00)		
76E	Rock outcrop-Hollis complex, 3 to 45 percent slopes	Not rated	Rock outcrop (55%)		3.8	0.5%
84B	Paxton and Montauk fine sandy loams, 3 to 8 percent slopes	Very limited	Paxton (55%)	Depth to saturated zone (1.00)	11.0	1.4%
				Slow water movement (1.00)		
			Montauk (30%)	Depth to saturated zone (1.00)		
				Slow water movement (1.00)		
			Woodbridge (5%)	Depth to saturated zone (1.00)		
				Slow water movement (1.00)		
			Charlton (5%)	Seepage, bottom layer (1.00)		
			Ridgebury (5%)	Depth to saturated zone (1.00)		
				Slow water movement (1.00)		
85B	Paxton and Montauk fine sandy loams, 3 to 8 percent slopes, very stony	Very limited	Paxton, very stony (55%)	Depth to saturated zone (1.00)	22.4	3.0%



Septic Tank Absorption Fields— Summary by Map Unit — State of Connecticut (CT600)						
Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
				Slow water movement (1.00)		
			Montauk, very stony (30%)	Depth to saturated zone (1.00)		
				Slow water movement (1.00)		
			Woodbridge, very stony (8%)	Depth to saturated zone (1.00)		
				Slow water movement (1.00)		
			Ridgebury, very stony (3%)	Depth to saturated zone (1.00)		
				Slow water movement (1.00)		
			Charlton, very stony (3%)	Seepage, bottom layer (1.00)		
86C	Paxton and Montauk fine sandy loams, 3 to 15 percent slopes, extremely stony	Very limited	Paxton, extremely stony (55%)	Depth to saturated zone (1.00)	32.8	4.3%
				Slow water movement (1.00)		
				Slope (0.04)		
			Montauk, extremely stony (30%)	Depth to saturated zone (1.00)		
				Slow water movement (1.00)		
				Slope (0.04)		
			Charlton, extremely stony (6%)	Seepage, bottom layer (1.00)		
				Slope (0.04)		
			Woodbridge, extremely stony (5%)	Depth to saturated zone (1.00)		
				Slow water movement (1.00)		
				Slope (0.04)		

Septic Tank Absorption Fields— Summary by Map Unit — State of Connecticut (CT600)						
Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
			Ridgebury, extremely stony (3%)	Depth to saturated zone (1.00)		
				Slow water movement (1.00)		
308	Udorthents, smoothed	Very limited	Udorthents (80%)	Depth to saturated zone (1.00)	0.6	0.1%
				Slope (1.00)		
				Seepage, bottom layer (1.00)		
			Udorthents, wet substratum (7%)	Seepage, bottom layer (1.00)		
W	Water	Not rated	Water (100%)		240.1	31.6%
<b>Totals for Area of Interest</b>					<b>759.0</b>	<b>100.0%</b>

Septic Tank Absorption Fields— Summary by Rating Value		
Rating	Acres in AOI	Percent of AOI
Very limited	370.6	48.8%
Somewhat limited	144.5	19.0%
Null or Not Rated	243.9	32.1%
<b>Totals for Area of Interest</b>	<b>759.0</b>	<b>100.0%</b>

## Description

Septic tank absorption fields are areas in which effluent from a septic tank is distributed into the soil through subsurface tiles or perforated pipe. Only that part of the soil between depths of 24 and 60 inches is evaluated. The ratings are based on the soil properties that affect absorption of the effluent, construction and maintenance of the system, and public health. Saturated hydraulic conductivity (Ksat), depth to a water table, ponding, depth to bedrock or a cemented pan, and flooding affect absorption of the effluent. Stones and boulders, ice, and bedrock or a cemented pan interfere with installation. Subsidence interferes with installation and maintenance. Excessive slope may cause lateral seepage and surfacing of the effluent in downslope areas.

Some soils are underlain by loose sand and gravel or fractured bedrock at a depth of less than 4 feet below the distribution lines. In these soils the absorption field may not adequately filter the effluent, particularly when the system is new. As a result, the ground water may become contaminated.

The ratings are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect the specified use. "Not limited" indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. "Somewhat limited" indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. "Very limited" indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

The map unit components listed for each map unit in the accompanying Summary by Map Unit table in Web Soil Survey or the Aggregation Report in Soil Data Viewer are determined by the aggregation method chosen. An aggregated rating class is shown for each map unit. The components listed for each map unit are only those that have the same rating class as listed for the map unit. The percent composition of each component in a particular map unit is presented to help the user better understand the percentage of each map unit that has the rating presented.

Other components with different ratings may be present in each map unit. The ratings for all components, regardless of the map unit aggregated rating, can be viewed by generating the equivalent report from the Soil Reports tab in Web Soil Survey or from the Soil Data Mart site. Onsite investigation may be needed to validate these interpretations and to confirm the identity of the soil on a given site.

## Rating Options

*Aggregation Method:* Dominant Condition

*Component Percent Cutoff:* None Specified

*Tie-break Rule:* Higher