

**Appendix G**  
**SOILS SURVEY INFORMATION**

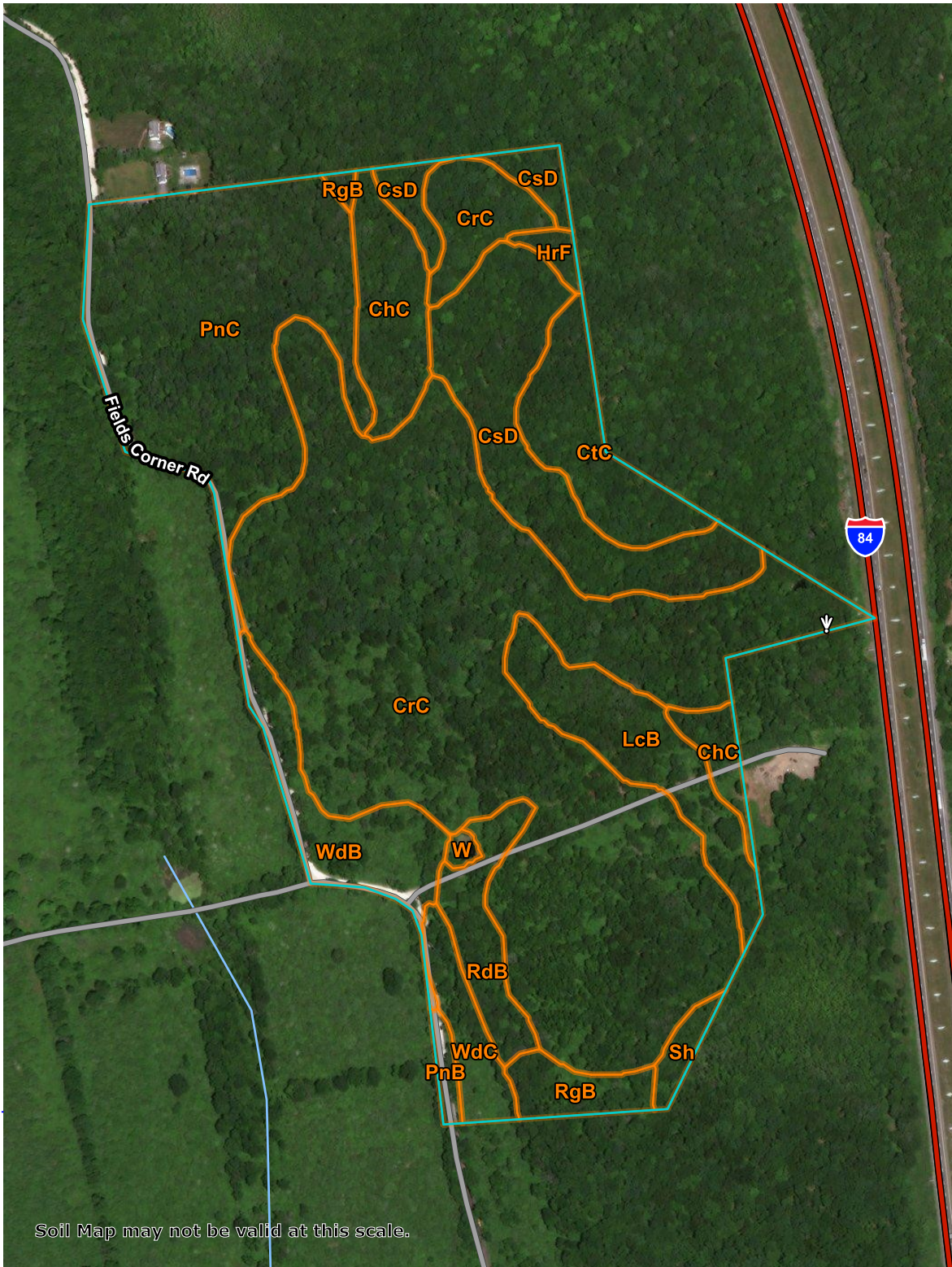
Soil Map—Putnam County, New York  
(Pugsley Road Site)

73° 38' 31" W

73° 37' 50" W

41° 26' 33" N

41° 26' 33" N



41° 25' 52" N

41° 25' 52" N

73° 38' 31" W

73° 37' 50" W



Map Scale: 1:6,090 if printed on A portrait (8.5" x 11") sheet.

0 50 100 200 300 Meters

0 250 500 1000 1500 Feet


Map projection: Web Mercator Corner coordinates: WGS84



Soil Map—Putnam County, New York  
(Pugsley Road Site)


### MAP LEGEND

**Area of Interest (AOI)**

 Area of Interest (AOI)




















**Soils**







 Soil Map Unit Polygons

 Soil Map Unit Lines


 Soil Map Unit Points

**Special Point Features**






-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot

-  Spoil Area
-  Stony Spot
-  Very Stony Spot
-  Wet Spot
-  Other
-  Special Line Features


**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 1:24,000.

**Warning:** Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

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: Putnam County, New York  
Survey Area Data: Version 17, Jun 11, 2020

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

Date(s) aerial images were photographed: Dec 31, 2009—Oct 5, 2016

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.

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
ChC	Charlton fine sandy loam, 8 to 15 percent slopes	4.8	4.7%
CrC	Charlton-Chatfield complex, 0 to 15 percent slopes, very rocky	47.8	46.8%
CsD	Chatfield-Charlton complex, 15 to 35 percent slopes, very rocky	10.4	10.2%
CtC	Chatfield-Hollis-Rock outcrop complex, 0 to 15 percent slopes	4.4	4.3%
HrF	Hollis-Rock outcrop complex, 35 to 60 percent slopes	0.5	0.5%
LcB	Leicester loam, 3 to 8 percent slopes, stony	5.2	5.1%
PnB	Paxton fine sandy loam, 3 to 8 percent slopes	0.5	0.5%
PnC	Paxton fine sandy loam, 8 to 15 percent slopes	16.6	16.2%
RdB	Ridgebury complex, 3 to 8 percent slopes	2.8	2.7%
RgB	Ridgebury complex, 0 to 8 percent slopes, very stony	1.9	1.8%
Sh	Sun loam	0.7	0.7%
W	Water	0.2	0.2%
WdB	Woodbridge loam, 3 to 8 percent slopes	4.2	4.1%
WdC	Woodbridge loam, 8 to 15 percent slopes	2.1	2.0%
<b>Totals for Area of Interest</b>		<b>102.1</b>	<b>100.0%</b>

**SOIL LIMITATIONS**  
**Restrictive Considerations for Development Planning**

<b>Soil Map Unit</b>	<b>Hydrologic Group</b>	<b>Shallow Excavations</b>	<b>Small Commercial Buildings</b>	<b>Roads and Streets</b>	<b>Lawns and Landscapes</b>	<b>Septic Tank Absorption Fields</b>
<b>ChC</b>	B	Moderate: Slope	Severe: Slope	Moderate: Slope	Moderate: Slope	Moderate: Slope
<b>CrC – Charlton</b>	B	Moderate: Slope	Severe: Slope	Moderate: Slope	Moderate: Slope	Moderate: Slope
<b>CrC - Chatfield</b>	B	Severe: Depth to rock	Severe: Slope	Moderate: Slope, Depth to rock, Frost action	Moderate Droughty, Slope, Thin layer	Severe: Depth to rock
<b>CsD - Chatfield</b>	B	Severe: Depth to rock, slope	Severe: Slope	Severe: Slope	Severe: Slope	Severe: Depth to rock, Slope
<b>CsD - Charlton</b>	B	Severe: Slope	Severe: Slope	Severe: Slope	Severe: Slope	Severe: Slope
<b>CtC - Chatfield</b>	B	Severe: Depth to rock	Severe: Slope	Moderate: Slope, Depth to rock, Frost action	Moderate: Droughty, Slope, Thin layer	Severe: Depth to rock
<b>CtC - Hollis</b>	D	Severe: Depth to rock	Severe: Slope, Depth to rock	Severe: Depth to rock	Severe: Depth to rock	Severe: Depth to rock
<b>CtC – Rock outcrop</b>	D	Severe: Depth to rock	Severe: Slope, Depth to rock	Severe: Depth to rock	Severe: Depth to rock	Severe: Depth to rock
<b>HrF - Hollis</b>	D	Severe: Slope, Depth to rock	Severe: Slope, Depth to rock	Severe: Slope, Depth to rock	Severe: Slope, Depth to rock	Severe: Slope, Depth to rock

<b>Soil Map Unit</b>	<b>Hydrologic Group</b>	<b>Shallow Excavations</b>	<b>Small Commercial Buildings</b>	<b>Roads and Streets</b>	<b>Lawns and Landscapes</b>	<b>Septic Tank Absorption Fields</b>
<b>HrF – Rock outcrop</b>	D	Severe: Depth to rock, Slope	Severe: Slope, Depth to rock	Severe: Depth to rock, Slope	Severe: Depth to rock	Severe: Depth to rock
<b>LcB</b>	A/D	Severe: Wetness	Severe: Wetness	Severe: Wetness, Frost action	Severe: Wetness	Severe: Wetness
<b>PnB</b>	C	Moderate: Dense layer, Wetness	Moderate: Wetness, Slope	Moderate: Wetness, Frost action	Slight	Severe: Percs slowly
<b>PnC</b>	C	Moderate: Dense layer, Wetness, Slope	Severe: Slope	Moderate: Wetness, Slope, Frost action	Moderate: Slope	Severe: Percs slowly
<b>RdB</b>	D	Severe: Wetness	Severe: Wetness	Sever: Wetness, Frost action	Severe: Wetness	Severe: Percs slowly, Wetness
<b>RgB</b>	D	Severe: Wetness	Severe: Wetness	Severe: Wetness, Frost action	Severe: Wetness	Severe: Percs slowly, Wetness
<b>Sh</b>	C/D	Severe: Wetness	Severe: Wetness	Severe: Wetness, Frost action	Severe: Wetness	Severe: Wetness, Percs slowly
<b>WdB</b>	C/D	Severe: Wetness	Moderate: Wetness, Slope	Severe: Frost action	Moderate: Wetness	Severe: Wetness, Percs slowly
<b>WdC</b>	C/D	Severe: Wetness	Severe: Slope	Severe: Frost action	Moderate: Wetness Slope	Severe: Wetness, Percs slowly

Adapted from: USDA. 1994. Soil Survey of Putnam and Westchester Counties, New York.