



Wetland Delineation • Wetland Assessment & Permitting • Wildlife Surveys • Fisheries & Aquatics • GIS Mapping • Forestry

October 12, 2022

Mr. Keith Coppins
Tarpon Towers III
110 Washington Avenue
North Haven, Connecticut 06473

RE: Wetland Inspection, CT1207 - 99 Dart Hill Road, South Windsor

Mr. Coppins,

At your request, I conducted an inspection on the above-referenced site on September 23, 2022. The purpose of the inspection was to identify and delineate Connecticut jurisdictional wetlands and watercourses. The inspection was conducted by a soil scientist according to the requirements of the Connecticut Inland Wetlands and Watercourses Act (P.A. 155). Wetlands are defined as areas of poorly drained, very poorly drained, floodplain, and alluvial soils, as delineated by a soil scientist. Watercourses are defined as bogs, swamps, or marshes, as well as lakes, ponds, rivers, streams, etc., whether natural or man-made, permanent or intermittent.

The site is accessed from Dart Hill Road immediately north of an Eversource transmission line right-of-way ("ROW"). The access road travels east, then south through the ROW to the site location within an upland hardwood forest. No wetlands or watercourses were identified (or delineated) within 100-feet of the site and access. Soils on the property are comprised of Cheshire fine sandy loam (refer to attached NRCS Soil Map). The Cheshire series consists of very deep, well drained loamy soils formed in supraglacial till on uplands. They are nearly level to very steep soils on till plains and hills. The soils formed in acid glacial till derived mostly from reddish sandstone, shale, and conglomerate with some basalt.

If you have any questions regarding these findings, please feel free to contact me.

Respectfully submitted,

Matthew Davison

Professional Soil Scientist

Professional Wetland Scientist

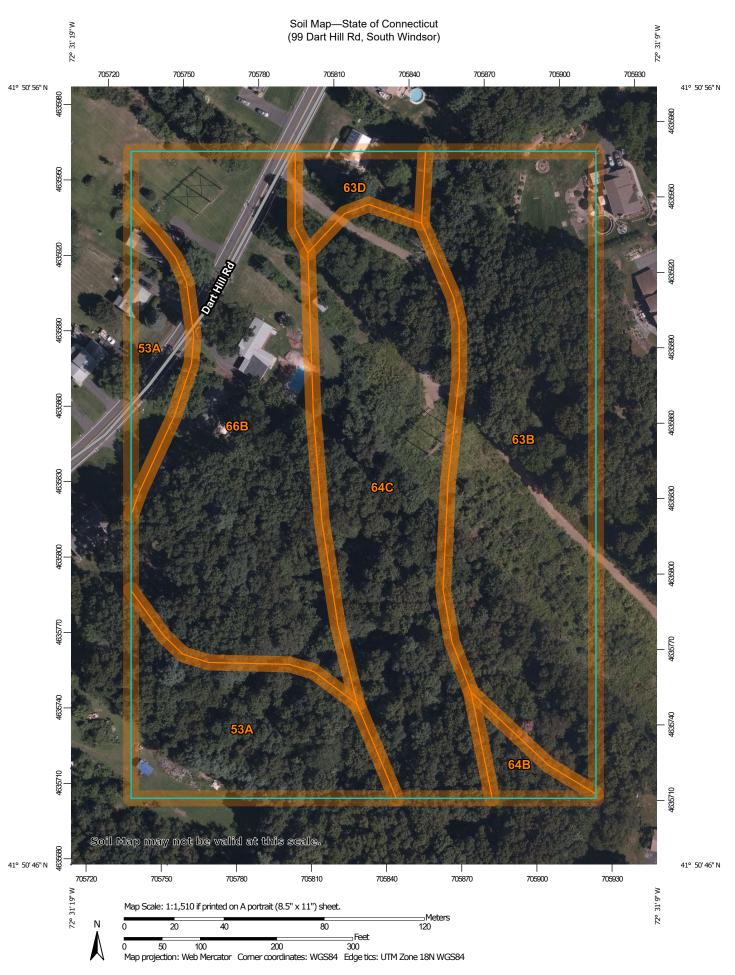
Certified Professional in Erosion and Sediment Control

CT Certified Forester

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Attachment: NRCS Soil Survey Mapping



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

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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 1:12.000.

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: State of Connecticut Survey Area Data: Version 22, Sep 12, 2022

Soil map units are labeled (as space allows) for map scales 1:50.000 or larger.

Date(s) aerial images were photographed: Aug 24, 2019—Oct 24, 2019

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.

Soil Map—State of Connecticut 99 Dart Hill Rd, South Windsor

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
53A	Wapping very fine sandy loam, 0 to 3 percent slopes	1.8	15.1%
63B	Cheshire fine sandy loam, 3 to 8 percent slopes	3.5	29.2%
63D	Cheshire fine sandy loam, 15 to 25 percent slopes	0.4	3.0%
64B	Cheshire fine sandy loam, 3 to 8 percent slopes, very stony	0.2	1.7%
64C	Cheshire fine sandy loam, 8 to 15 percent slopes, very stony	2.8	24.0%
66B	Narragansett silt loam, 2 to 8 percent slopes	3.2	27.0%
Totals for Area of Interest		11.8	100.0%