



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

June 27, 2022

Keith Bodwell, P.E., L.S.  
Bodwell Engineering & Surveying LLC  
92 Cream Hill Rd.  
West Cornwall, CT 06796

**RE: *Wetland and Watercourse Delineation Report***  
***31 Robin Hill Drive, Salisbury***

Mr. Bodwell,

At your request, I conducted an inspection on the above-referenced property on 6-25-22 and delineated the wetlands, as depicted on the attached *Wetland Delineation Sketch Map*. The purpose of the inspection was to 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).

Inland wetlands include soil types designated as poorly drained, very poorly drained, alluvial, and floodplain by the National Cooperative Soils Survey as may be amended from time to time, of the National Resources Conservation Service (NRCS). Watercourses means rivers, streams, brooks, waterways, lakes, ponds, marshes, swamps, bogs and all other bodies of water, natural or artificial, vernal or intermittent. Intermittent watercourses shall be delineated by a defined permanent channel and bank and the occurrence of two or more of the following characteristics: (A) *Evidence of scour or deposits of recent alluvium or detritus*, (B) *the presence of standing or flowing water for a duration longer than a particular storm incident*, and (C) *the presence of hydrophytic vegetation*.

Wetlands were delineated by examining the upper 20" of the soil profile with an auger. Those areas meeting the requirements noted above were marked with pink flagging tape labeled "Wetland Delineation" and numbered with the following sequence: 1-28, 29-34, 35-57, 58-64, 58A-64A, 65/73 (refer to *Wetland Delineation Sketch Map*, attached).

The delineated wetlands consist predominately of groundwater slope forested wetlands, the largest of which occupies the southern half of the site and is bisected by the driveway. There is a

second wetland located in the northwest corner of the site, consisting of a small sloping drainageway flowing north off the site. The third and final wetland is a small, excavated fish pond.

Digitally available soil survey information was obtained from the Natural Resources Conservation Service. Note that the NRCS digital soil mapping is not precise to the site scale. Rather, the soil types are representative of the soil catena that would be present in the region in which the site occurs and is therefore a useful reference for onsite wetland soil identification. The following is a description of wetland and upland soil types observed on the site.

#### Wetland Soil Types

Wetland soils are comprised of Mudgepond and Alden soils. The Mudgepond series consists of very deep, poorly drained soils in depressions and drainageways on till plains. They are nearly level to strongly sloping soils that formed in till dominated by siliceous rocks with some limestone. Permeability is moderate or moderately rapid in the solum and moderate in the substratum.

The Alden series consists of very deep, very poorly drained soils on upland till plains in depressions and low areas in the landscape. They formed in a silty local depositional mantle overlying till. They are on upland till plains in depressions and low areas in the landscape.

#### Upland (Non-Wetland) Soil Types

The non-wetland soils were not examined in detail, except as was necessary to identify the wetland boundary. They generally consist of Georgia and Amenia silt loams. The Georgia series consists of very deep, moderately well drained soils on glaciated uplands. They formed in loamy till. Permeability is moderate in the solum and slow in the substratum. The Amenia series consists of very deep, moderately well drained soils formed in glacial till. They are on uplands of glacial till plains.

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

Respectfully submitted,



Eric Davison  
*Certified Professional Wetland Scientist*  
*Registered Soil Scientist*

Attachments: (1) Wetland Photographs  
(2) Wetland Delineation Sketch Map

*WETLAND PHOTOGRAPHS*

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*Photo 1: View of southern wetland bordering driveway.*



*Photo 1: View of wetland north of driveway, west of existing house.*

--- SILT FENCE  
— PROPOSED

