

## BASBANES WETLAND CONSULTING

39 Hardy St.  
Dunstable, MA 01827

### Delineation Report

January 13 2025

The following is a report on the delineation of the wetland resource areas at 119 Winthrop Ave Reading, MA. The delineation was done December 30 2024. The jurisdictional wetland resource area present on site may include: 310 10.54 Bank, 310 CMR 10.55 Bordering Vegetated Wetland.

#### Delineation Method

A wetland delineation is done by visual survey of topography, evidence of hydrology, and identification of plant species. A determination is made for each plant species as to their indicator status as referenced in the “National List of Plant Species that Occur in Wetlands”, published by the Fish and Wildlife Service. The boundary of the wetland is then determined to be where 50% or more of the vegetation community consists of wetland indicator species with a status of FAC or wetter and where there is evidence of hydrology. i.e. water-stained leaves, drainage patterns, morphological adaptations, and hydric soils. Typically, hydric soils are determined by digging or augering a pit 20” deep and observing the horizons for color, texture and features. Determinations are made referencing “Field Indicators for Identifying Hydric Soils in New England” and color matched to the Munsell Soil Color Charts.

#### Flagging Series

The wetland resource area is delineated by the flagging series 1A-6A. The wetland line defines the bordering vegetated wetland that borders on an intermittent stream that is off property. This stream is not shown on the USGS map but it is associated with the Aberjona River.

#### Vegetation

The vegetation along the delineated area consists of the following dominant species:

Elm <i>Ulmus americana</i>	FACW
Maple, Red <i>Acer rubrum</i>	FAC
Oak, Swamp White <i>Quercus bicolor</i>	FACW
Elderberry <i>Sambucus canadensis</i>	FACW
Highbush Blueberry <i>Vaccinium corymbosum</i>	FACW
Fern Sensitive <i>Onoclea sensibilis</i>	FACW
Goldenrod, Roughstem <i>Solidago rugosa</i>	FAC
Reed Canary Grass <i>Phalaris arundinacea</i>	FACW
Tussock Sedge <i>Carex stricta</i>	OBL
Pachysandra <i>Pachysandra terminalis</i>	UPL
Maintained lawn	

#### Soils

As referenced to the NRCS Soil Survey, the soils on the subject property are the Merrimac series which are nearly level to steep, deep (5+) somewhat excessively drained soils.

The typical soil profiles observed were:

<u>SP upland</u>		O	<1"
O	<1"	A	0" - 12" 10YR 2/2
Af	0" - 12" 10YR 2/2	B	12" - 18" 10YR 5/1
B	12" - 18" 10YR 3/3		

SP hydric

**Indicators of hydrology**

Along with the presence of hydric soil conditions other indicators of hydrology were observed. Those indicators include: water-stained leaves, drainage patterns, saturation.

**Rare Species**

Under MESA and 310 CMR 10:59 Estimated Habitats of Rare Wildlife, any work proposed, regardless of wetlands, within an Estimated or Priority habitat shall be reviewed by the NHESP as well as the Conservation Commission. The site is not located within an Estimated or Priority Habitat

**Vernal Pools**

There are no NHESP Certified Vernal Pools on the property per the most recent NHESP map.

**FEMA**

As referenced to the FEMA flood data maps, the property is partly in a Zone X but not located within a regulatory flood zone.

**DEP & NWI Status**

The wetland areas are not shown on the DEP wetland atlas or the National Wetland Inventory.

If you have any questions, please do not hesitate to contact me at lbasbanes@gmail.com. Thank you.

Sincerely,



Leah D. Basbanes, M.A.  
Wetland Consultant/Biologist

The wetland resource areas were delineated/reviewed in the keeping with the Massachusetts Wetland Protection Act and were done so to the best of our abilities. Considering all the variables (seasonal growth form of vegetation, soils conditions, topography, weather, etc.) involved in such an effort, please be advised that despite the best effort, no wetland delineation is considered definitive until verified and approved by the final issuing authority.