

DEP Bordering Vegetated Wetland (310 CMR 10.55) Delineation Field Data Form

Applicant: _____ Prepared by: B & C Associates Inc. Project location: 101 Nonset Path, Acton DEP File #: _____

Check all that apply:

- Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only
 Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II
 Method other than dominance test used (attach additional information)

Section I. Vegetation		Observation Plot Number: <u>1</u>	Transect Number: <u>A</u>	Date of Delineation: <u>3/19/10</u>			
A. Sample Layer and Plant Species (by common/scientific name)			B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category *	
Herbaceous:	Meadow Spikemoss	<i>Selaginella apoda</i>	3.0/3.0	100%	No	FACW	*
Shrubs:	Shagbark Hickory	<i>Carya ovata</i>	10.5	35%	Yes	FACU-	
	White Pine	<i>Pinus strobus</i>	10.5	35%	Yes	FACU	
	Swamp Azalea	<i>Azalea viscosum</i>	3.0	10%	No	OBL	*
	Black Huckleberry	<i>Gaylussacia baccata</i>	3.0	10%	No	FACU	
	Highbush Blueberry	<i>Vaccinium corymbosum</i>	3.0/30.0	10%	No	FACW-	*
Saplings:	Black Birch	<i>Betula lenta</i>	10.5	30%	Yes	FACU	
	Red Oak	<i>Quercus rubra</i>	10.5	30%	Yes	FACU-	
	Eastern Hemlock	<i>Tsuga canadensis</i>	10.5	30%	Yes	FACU	*
	Shagbark Hickory	<i>Carya ovata</i>	3.0/34.5	9%	No	FACU-	
Lianas:	Pachysandra	<i>Pachysandra procumbens</i>	10.5/10.5	100%	Yes	UPL	
Overstory:	Red Maple	<i>Acer rubrum</i>	1163.8	43%	Yes	FAC	*
	White Pine	<i>Pinus strobus</i>	763.5	28%	Yes	FACU	
	Red Oak	<i>Quercus rubra</i>	743.9	28%	Yes	FACU-	
	Black Birch	<i>Betula lenta</i>	28.7/2699.9	1%	No	FACU	

* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus *Sphagnum*; plants listed as FAC, FAC+, FACW-, FACW, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptation next to the asterisk.

Vegetation conclusion:

Number of dominant wetland indicator plants: 2 Number of dominant non-wetland Indicator plant: 7

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? NO

**Section II. Indicators of Hydrology
Hydric Soil Interpretation**

1. Soil Survey

Is there a published soil survey for this site? **YES**

title/date: Middlesex County 2/26/2010

map number: 1

soil type mapped: Udorthents, wet substratum

hydric soil inclusions:

Are field observations consistent with soil survey? **YES**

Remarks:

2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
O ₁	3-0"		
A	0-18"	10 YR 2/1	

Remarks:

3. Other: 13' 5" to Wetland Flag # 26
7' 10" to Wetland Flag # 27

Conclusion: Is soil hydric? **NO**

Other Indicators of Hydrology: (check all that apply and describe)

- Site inundated: _____
- Depth to free water in observation hole: 6"
- Depth to soil saturation in observation hole: 0"
- Water marks: _____
- Drift lines: _____
- Sediment deposits: _____
- Drainage patterns in BVW: _____
- Oxidized rhizospheres: _____
- Water-stained leaves: _____
- Recorded data (stream, lake, or tidal gauge; aerial photo; other):

- Other: _____

Vegetation and Hydrology Conclusion

	Yes	No
Number of wetland indicator plants ≥ number of non-wetland indicator plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland hydrology present: hydric soil present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
other indicators of hydrology present	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sample location is in a BVW	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Submit this form with the Request for Determination of Applicability or Notice of Intent