

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>2</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:	Cinnamon Fern <i>Osmunda cinnamomea</i>	10.5/10.5	100%	Yes	FACW	*	
Shrubs:	Highbush Blueberry <i>Vaccinium corymbosum</i>	20.5	60%	Yes	FACW-	*	
	Swamp Azalea <i>Azalea viscosum</i>	10.5	31%	Yes	OBL	*	
	White Pine <i>Pinus strobus</i>	3.0/34.0	9%	No	FACU		
Saplings:	Red Oak <i>Quercus rubra</i>	10.5	64%	Yes	FACU-		
	Shagbark Hickory <i>Carya ovata</i>	3.0	18%	No	FACU-		
	Black Birch <i>Betula lenta</i>	3.0/16.5	18%	No	FACU		
Lianas:	Pachysandra <i>Pachysandra procumbens</i>	20.5/20.5	100%	Yes	UPL		
Overstory:	Red Maple <i>Acer rubrum</i>	1163.8	44%	Yes	FAC	*	
	White Pine <i>Pinus strobus</i>	763.5	29%	Yes	FACU		
	Red Oak <i>Quercus rubra</i>	743.9/2671.2	28%	Yes	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: 4 Number of dominant non-wetland Indicator plant: 4

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? YES

**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 _A	0-18"	10 YR 2/2	
B _G	18-22"	10 YR 6/2	

Remarks:

3. Other: 5' 11" to Wetland Flag # 26
13' 0" to Wetland Flag # 27
11' 1" Downgradient from A1

Conclusion: Is soil hydric? **YES**

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

Site inundated: _____

Depth to free water in observation hole: 3"

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 checked="" type="checkbox"/>	<input type="checkbox"/>

Wetland hydrology present: hydric soil present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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other indicators of hydrology present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Sample location is in a BVW	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Submit this form with the Request for Determination of Applicability or Notice of Intent