

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

 Applicant: Westchester Homes

 Prepared by: Goddard Consulting, LLC

 Project location: 2 Tuttle Drive, 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: Data Plot #1	Transect Number: Upgradient	Date of Delineation: 31-Jan-12		
Sample Layer and Plant Species	Scientific name	% Cover	% Dominance	Dominant Plant (yes or no)	Wetland Indicator Category*
<i><u>Tree Layer</u></i>					
White pine	<i>Pinus strobus</i>	30%	33.3%	yes	FAC-
Red maple	<i>Acer rubrum</i>	60%	66.7%	yes	FAC*
<i><u>Sapling Layer</u></i>					
Crabapple	<i>Pyrus sp.</i>	5%	12.5%	no	UPL
White pine	<i>Pinus strobus</i>	5%	12.5%	no	FAC-
Slippery elm	<i>Ulmus rubra</i>	15%	37.5%	yes	FAC-
American hazelnut	<i>Corylus americana</i>	10%	25.0%	yes	FACU-
Red oak	<i>Quercus rubra</i>	5%	12.5%	no	FACU-
<i><u>Shrub Layer</u></i>					
Red oak	<i>Quercus rubra</i>	5%	23.8%	yes	FACU-
Multiflora rose	<i>Rosa multiflora</i>	5%	23.8%	yes	FACU-
Japanese barberry	<i>Berberis thunbergii</i>	5%	23.8%	yes	FACU
Winged euonymus	<i>Euonymus alata</i>	6%	28.6%	yes	UPL
<i><u>Climbing Woody Vine</u></i>					
Oriental bittersweet	<i>Celastrus orbiculata</i>	5%	50.0%	yes	FACU
Poison ivy	<i>Toxicodendron radicans</i>	5%	50.0%	yes	FAC*
<i><u>Ground Cover</u></i>					
Poison ivy	<i>Toxicodendron radicans</i>	10%	100.0%	yes	FAC*
Remarks: _____					
Morphological Adaptations: <u>0</u>			Description: _____		
* An asterisk after indicator status denotes wetlands plants: plants listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus Sphagnum; or plants listed as FAC, FAC+, FACW-, FACW, FACW+, or OBL.					
Vegetation conclusion:					
Number of dominant wetland indicator plants: 3			Number of dominant non-wetland indicator plants: 8		
Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? no					

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.

Section II. Indicators of Hydrology

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site? yes no
 title/date: Interim Soil Survey of Middlesex County - 1991 (Maps - 1989)
 map number: Acton
 soil type mapped: Charlton-Hollis Rock Outcrop Complex
 hydric soil inclusions: none

Are field observations consistent with soil survey? yes no
 Remarks: _____

2. Soil Description

Horizon	Depth (inches)	Matrix Color	Mottles Color or Texture
Ap	0-5"	10YR3/2	no redox
R	5"		

Remarks: Variable depth to refusal 2-12"

3. Other: _____

Conclusion: Is soil hydric? yes no

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

- Site inundated: _____
- Depth to free water in observation hole: _____
- Depth to soil saturation in observation hole: _____
- 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 for Upgradient of Data Plot #1		
	<u>yes</u>	<u>no</u>
Number of wetland indicator plants		
>= number of non-wetland plants		X
Wetland hydrology present:		
hydric soils present		X
other indicators of hydrology present		X
Sample location is in a BVW		X

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