

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

ATTACHMENT 4-a

Applicant: Alegra & Mark Aquino Prepared by: Wetland Strategies & Solutions, LLC Project location: 14 Tall Pine Drive, Sudbury, MA
 DEP File #: N/A Date: 06/06/2018

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. Riparian BVW area along stream channel is too narrow for a traditional circular plot; meander survey to visually estimate dominant plant community species.

Vegetation: <i>Dominants Only</i>	Observation Plot Number: <i>meander W</i>		Transect Number: <i>meander W</i>	Date of Delineation: 05/23/2018
A. Sample Layer & Plant Species	B. Percent Cover	C. % Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
<u>Trees</u>				
Eastern white pine (<i>Pinus strobus</i>)			Yes	FACU
Black cherry (<i>Prunus serotina</i>)			Yes	FACU
Red maple (<i>Acer rubrum</i>)			Yes	FAC*
American elm (<i>Ulmus americana</i>)			Yes	FACW*
<u>Saplings / Shrubs</u>				
Choke cherry (<i>Prunus virginiana</i>)			Yes	FACU
Red oak (<i>Quercus rubra</i>)			Yes	FACU
Red maple			Yes	FAC*
European buckthorn (<i>Rhamnus cathartica</i>)			Yes	FAC*
Multiflora rose (<i>Rosa multiflora</i>)			Yes	FACU
Beaked hazelnut (<i>Corylus cornuta</i>)			Yes	FACU
American elm			Yes	FACW*
Highbush blueberry (<i>Vaccinium corymbosum</i>)			Yes	FACW*
<u>Herbs / Climbing Vines</u>				
Canada mayflower (<i>Maianthemum canadense</i>)			Yes	FACU
Red maple			Yes	FAC*
Jewelweed (<i>Impatiens capensis</i>)			Yes	FACW*
New York fern (<i>Parathelypteris novaboracensis</i>)			Yes	FAC*
Eastern poison ivy (<i>Toxicodendron radicans</i>)			Yes	FAC*
Asian bittersweet (<i>Celastrus orbiculatus</i>)			Yes	UPL
Starflower (<i>Trientalis borealis</i>)			Yes	FAC*
Cinnamon fern (<i>Osmundastrum cinnomomeum</i>)			Yes	FACW*
Skunk cabbage (<i>Symplocarpus foetidus</i>)			Yes	OBL*

* 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: 13

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? Yes

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 N/A

1. Soil Survey

Is there a published soil survey for this site? yes no
title/date:
map number:
soil type mapped:
hydric soil inclusions:

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

2. Soil Description

Horizon	Depth	Matrix Color
Mottles Color		

Remarks:

3. Other:

Conclusion: Is soil hydric? yes no

Other Indicators of Hydrology: (check all that apply & 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 (streams, lake, or tidal gauge; aerial photo; other): _____
- ☐ Other: _____

Vegetation and Hydrology Conclusion

	Yes	No
Number of wetland indicator plants ≥ # of non-wetland indicator plants	XX	_____
Wetland hydrology present:		
Hydric soil present	_____	_____
Other indicators of hydrology present	_____	_____
Sample location is in a BVW	XX	_____

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