

**BORDERING VEGETATED WETLAND DETERMINATION FORM**

Project/Site: Lewis Street City/Town: Franklin Sampling Date: 2-27-26  
 Applicant/Owner: J J Marinella Sampling Point or Zone: 901 and 902  
 Investigator(s): NOrman G. Hill. P.E. Latitude / Longitude: N42.0755/ W71.3856  
 Soil Map Unit Name: scarboro NWI or DEP Classification: PF01E

Are climatic/hydrologic conditions on the site typical for this time of year? Yes  No  (If no, explain in Remarks)  
 Are Vegetation , Soil , or Hydrology  significantly disturbed? (If yes, explain in Remarks)  
 Are Vegetation , Soil , or Hydrology  naturally problematic? (If yes, explain in Remarks)

**SUMMARY OF FINDINGS – Attach site map and photograph log showing sampling locations, transects, etc.**

Wetland vegetation criterion met?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Hydic Soils criterion met?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Wetlands hydrology present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Remarks, Photo Details, Flagging, etc.:			
All larger trees in the wetland area have died.			

**HYDROLOGY**

<b>Field Observations:</b>		
Surface Water Present?	Yes <input type="checkbox"/> No <input type="checkbox"/>	Depth (inches) _____
Water Table Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches) <u>8.00</u>
Saturation Present (including capillary fringe)?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches) <u>6.00</u>
<b>Wetland Hydrology Indicators</b>		
Reliable Indicators of Wetlands Hydrology <input checked="" type="checkbox"/> Water-stained leaves <input type="checkbox"/> Evidence of aquatic fauna <input type="checkbox"/> Iron deposits <input type="checkbox"/> Algal mats or crusts <input type="checkbox"/> Oxidized rhizospheres/pore linings <input type="checkbox"/> Thin muck surfaces <input type="checkbox"/> Plants with air-filled tissue (aerenchyma) <input type="checkbox"/> Plants with polymorphic leaves <input type="checkbox"/> Plants with floating leaves <input type="checkbox"/> Hydrogen sulfide odor	Indicators that can be Reliable with Proper Interpretation <input type="checkbox"/> Hydrological records <input type="checkbox"/> Free water in a soil test hole <input checked="" type="checkbox"/> Saturated soil <input type="checkbox"/> Water marks <input type="checkbox"/> Moss trim lines <input checked="" type="checkbox"/> Presence of reduced iron <input type="checkbox"/> Woody plants with adventitious roots <input checked="" type="checkbox"/> Trees with shallow root systems <input type="checkbox"/> Woody plants with enlarged lenticels	Indicators of the Influence of Water <input checked="" type="checkbox"/> Direct observation of inundation <input type="checkbox"/> Drainage patterns <input type="checkbox"/> Drift lines <input type="checkbox"/> Scoured areas <input type="checkbox"/> Sediment deposits <input type="checkbox"/> Surface soil cracks <input type="checkbox"/> Sparsely vegetated concave surface <input type="checkbox"/> Microtopographic relief <input type="checkbox"/> Geographic position (depression, toe of slope, fringing lowland)
Remarks (describe recorded data from stream gauge, monitoring well, aerial photos, previous inspections, if available):		

This form is only for BVW delineations. Other wetland resource areas may be present and should be delineated according to the applicable regulatory provisions.



**VEGETATION** – Use both common and scientific names of plants.

<u>Tree Stratum</u>		<u>Plot size 30' x30'</u>			
		Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)
Common name		Scientific name			
1.	red maple	acer rubru,	FACW	90.0	Yes Yes
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
<u>90.0</u> = Total Cover					
<u>Shrub/Sapling Stratum</u>		<u>Plot size 30' x 30'</u>			
		Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)
Common name		Scientific name			
1.	pine saplings	pinus r.	FACU	10.0	No No
2.	red maple saplings	acer r.	FACW	30.0	Yes Yes
3.					
4.					
5.					
6.					
7.					
8.					
9.					
<u>40.0</u> = Total Cover					
<u>Herb Stratum</u>		<u>Plot size 30' x 30'</u>			
		Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)
Common name		Scientific name			
1.	moss	bryophyta	FACW	5.0	No Yes
2.	water hemlock	cicuta bulbifern	OBL	15.0	Yes Yes
3.	sensitive fern	onoclea sensibilis	FACW	10.0	Yes Yes
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
<u>30.0</u> = Total Cover					



**VEGETATION – continued.**

<u>Woody Vine Stratum</u>		Plot size _____	Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)
Common name	Scientific name					
1.						
2.						
3.						
4.						
			<u>0.0</u> = Total Cover			

<b>Rapid Test:</b> Do all dominant species have an indicator status of OBL or FACW?			Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
<b>Dominance Test:</b>	Number of dominant species	Number of dominant species that are wetland indicator plants	Do wetland indicator plants make up ≥ 50% of dominant plant species? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
<b>Prevalence Index:</b>		Total % Cover (all strata)	Multiply by:	Result
	OBL species	1	X 1	= 1.00
	FACW species	4	X 2	= 8.00
	FAC species	0	X 3	= 0.00
	FACU species	1	X 4	= 4.00
	UPL species	0	X 5	= 0.00
	Column Totals	(A) 6		(B) 13
	Prevalence Index	B/A = <b>2.17</b>		Is the Prevalence Index ≤ 3.0? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
<b>Wetland vegetation criterion met?</b>			Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

**Definitions of Vegetation Strata**

- Tree - Woody plants 3 in. (7.62 cm) or more in diameter at breast height (DBH), regardless of height
- Shrub / Sapling - Woody plants less than 3 in. (7.62 cm) DBH and greater than or equal to 3.3 ft. (1 m) tall
- Herb - All herbaceous (non-woody plants, regardless of size, and woody plants less than 3.3 ft. (1 m) tall
- Woody vines - All woody vines greater than 3.3 ft. (1 m) in height

Cover Ranges	
Range	Midpoint
1-5 %	3.0 %
6-15 %	10.5 %
15-25 %	20.5 %
26-50 %	38.0 %
51-75 %	63.0 %
76-95 %	85.5 %
96-100 %	98.0 %





