## WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont

Project/Site:		City/County:			Sampling Date:		
Applicant/Owner:			S	State:	Sampling Point:		
Investigator(s):		Section, Township	o, Range:				
Landform (hillslope, terrace, etc.):		Local relief (concave	, convex, none):		Slope	(%):	
ubregion (LRR or MLRA): Lat:			Long:			Datum:	
Soil Map Unit Name:				NWI classificat	tion:		
Are climatic / hydrologic conditions on t	he site typical for this tin	ne of year? Yes	No (If n	no, explain in Rei	marks.)		
Are Vegetation, Soil, or	Hydrology signi	ficantly disturbed?	Are "Normal Cir	rcumstances" pre	esent? Yes	No	
Are Vegetation, Soil, or	Hydrology natu	rally problematic?	(If needed, expl	ain any answers	in Remarks.)		
SUMMARY OF FINDINGS – A	ttach site map she	owing sampling poi	int locations	s, transects,	important feat	tures, etc.	
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes No Yes No Yes No _	within a W	npled Area /etland?	Yes	No		
Remarks:							

## HYDROLOGY

Wotland Hydrology Indiastory				Cocondary Indicators (minimum of two required)	
Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one	is required; che	ck all that apply)		Surface Soil Cracks (B6)	
Surface Water (A1)		_ True Aquatic Plants (B14)		Sparsely Vegetated Concave Surface (B8)	
High Water Table (A2)		_ Hydrogen Sulfide Odor (C1)		Drainage Patterns (B10)	
Saturation (A3)		_ Oxidized Rhizospheres on Living	Roots (C3)	Moss Trim Lines (B16)	
Water Marks (B1)		Presence of Reduced Iron (C4)		Dry-Season Water Table (C2)	
Sediment Deposits (B2) Recent Iron Reduction in Tilled Soils (C6)		oils (C6)	Crayfish Burrows (C8)		
Drift Deposits (B3)		_ Thin Muck Surface (C7)		Saturation Visible on Aerial Imagery (C9)	
Algal Mat or Crust (B4) Other (Explain in Remarks)			Stunted or Stressed Plants (D1)		
Iron Deposits (B5)				Geomorphic Position (D2)	
Inundation Visible on Aerial Ima	agery (B7)			Shallow Aquitard (D3)	
Water-Stained Leaves (B9)				Microtopographic Relief (D4)	
Aquatic Fauna (B13)				FAC-Neutral Test (D5)	
Field Observations:					
Surface Water Present? Yes	No	_ Depth (inches):			
Water Table Present? Yes	No	Depth (inches):			
Saturation Present? Yes		_ Depth (inches): _ Depth (inches):	Wetland H	lydrology Present? Yes No	
	No	_ Depth (inches):			
Saturation Present? Yes (includes capillary fringe)	No	_ Depth (inches):			
Saturation Present? Yes (includes capillary fringe)	No	_ Depth (inches):			
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream ga	No	_ Depth (inches):			
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## **VEGETATION (Four Strata) – Use scientific names of plants.**

Sampling Point: \_\_\_\_\_

	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	<u>% Cover Species? Status</u>	Number of Dominant Species
1		That Are OBL, FACW, or FAC: (A)
2		
3.		Total Number of Dominant Species Across All Strata: (B)
4		Percent of Dominant Species
5		That Are OBL, FACW, or FAC: (A/B)
6	· · ·	Prevalence Index worksheet:
7		
8		Total % Cover of: Multiply by:
	= Total Cover	OBL species x 1 =
Sapling/Shrub Stratum (Plot size:)		FACW species x 2 =
1		FAC species x 3 =
2		FACU species x 4 =
		UPL species x 5 =
3		
4		Column Totals: (A) (B)
5	·	Prevalence Index = B/A =
6	·	Hydrophytic Vegetation Indicators:
7		
8		1 - Rapid Test for Hydrophytic Vegetation
9		2 - Dominance Test is >50%
		3 - Prevalence Index is $≤3.0^1$
10		4 - Morphological Adaptations <sup>1</sup> (Provide supporting
Herb Stratum (Plot size:)	= Total Cover	data in Remarks or on a separate sheet)
		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
1		
2	·	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
3	·	be present, unless disturbed or problematic.
4		Definitions of Four Vegetation Strata:
5		Deminions of Four Vegetation Ottata.
6		Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
		more in diameter at breast height (DBH), regardless of
7		height.
8		Sapling/Shrub – Woody plants, excluding vines, less
9	·	than 3 in. DBH and greater than 3.28 ft (1 m) tall.
10		Herb – All herbaceous (non-woody) plants, regardless
11		of size, and woody plants less than 3.28 ft tall.
12		
	= Total Cover	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size:)		height.
1		
2		
3		
4		Hydrophytic
5	· ·	Vegetation
6	· · ·	Present? Yes No
	= Total Cover	
Remarks: (Include photo numbers here or on a separate s	heet.)	
	,	

Depth	Matrix	Redox Features		
(inches)	Color (moist) %	<u>Color (moist)</u> <u>%</u> <u>Type<sup>1</sup></u> <u>Loc<sup>2</sup></u>	Texture	Remarks
		· · · · · · ·		
		·		
	oncentration, D=Depletion, RN	A=Reduced Matrix, MS=Masked Sand Grains.		=Pore Lining, M=Matrix. tors for Problematic Hydric Soils <sup>3</sup>
_ Histoso _ Histic E		<ul> <li>Dark Surface (S7)</li> <li>Polyvalue Below Surface (S8) (MLRA 147, 1</li> <li>Thin Dark Surface (S9) (MLRA 147, 148)</li> </ul>	2 [48) Co	cm Muck (A10) <b>(MLRA 147)</b> oast Prairie Redox (A16) <b>(MLRA 147, 148)</b>
_ Hydrog _ Stratifie	en Sulfide (A4) d Layers (A5) uck (A10) <b>(LRR N)</b>	<ul> <li>Loamy Gleyed Matrix (F2)</li> <li>Depleted Matrix (F3)</li> <li>Redox Dark Surface (F6)</li> </ul>	Pi	iedmont Floodplain Soils (F19) (MLRA 136, 147) ed Parent Material (TF2)
Deplete	d Below Dark Surface (A11) ark Surface (A12) Mucky Mineral (S1) <b>(LRR N</b> ,	Depleted Dark Surface (F7) Redox Depressions (F8) Iron-Manganese Masses (F12) (LRR N,	Ve	ery Shallow Dark Surface (TF12) ther (Explain in Remarks)
Sandy I	A 147, 148)	MLRA 136) Umbric Surface (F13) (MLRA 136, 122)		cators of hydrophytic vegetation and
MLR Sandy	Gleyed Matrix (S4)			
MLR Sandy ( Sandy F Stripped	Redox (S5) d Matrix (S6)	Piedmont Floodplain Soils (F19) (MLRA 148		etland hydrology must be present, nless disturbed or problematic.
MLR Sandy ( Sandy F Stripped	Redox (S5)	Piedmont Floodplain Soils (F19) (MLRA 148		