WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site:		City/County:		Sampling Date:		
Applicant/Owner:				State: Sampling Point:		
Investigator(s):		Sec	tion, Township, Range:			
		Local relief (concave, convex, no				
		Lat: Long:				
					ication:	
Are climatic / hydrologic condition						
· · · · ·					present? Yes No	
Are Vegetation, Soil					ers in Remarks.)	
7 ii o vogetation, coii	, or rrydrology	naturally problem	nano. (n nocaca, c	oxplain any anow	ord in recinarios,	
SUMMARY OF FINDING	SS – Attach sit	e map showing sa	mpling point location	ons, transect	s, important features, etc.	
Hydrophytic Vegetation Prese	nt? Yes	No	Is the Sampled Area			
Hydric Soil Present?	Yes	No	within a Wetland?	Yes	No	
Wetland Hydrology Present?	Yes	No				
Remarks:			-			
HYDROLOGY						
Wetland Hydrology Indicators:				Secondary Indic	cators (minimum of two required)	
Primary Indicators (minimum of one is required; check all that apply)				Surface Soil Cracks (B6)		
Surface Water (A1)		True Aquatic Plants	True Aquatic Plants (B14)		egetated Concave Surface (B8)	
High Water Table (A2)		Hydrogen Sulfide O	_ Hydrogen Sulfide Odor (C1)		atterns (B10)	
Saturation (A3)		Oxidized Rhizospheres on Living Roots (C3)		Moss Trim I	_ines (B16)	
Water Marks (B1)		Presence of Reduced Iron (C4)		Dry-Season Water Table (C2)		
Sediment Deposits (B2)		Recent Iron Reduction in Tilled Soils (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) Shallow Aquitard (D3)	
Inundation Visible on Aeri						
Water-Stained Leaves (B	9)				Microtopographic Relief (D4)	
Aquatic Fauna (B13)				FAC-Neutra	il Test (D5)	
Field Observations:		5 4 (1)				
Surface Water Present?		Depth (inches):				
Water Table Present?						
		Depth (inches):	Depth (inches): Wetland I		Hydrology Present? Yes No	
(includes capillary fringe) Describe Recorded Data (stre	am gauge, monitor	ing well, aerial photos, p	revious inspections), if ava	ilable:		
·						
Remarks:						
					!	

VEGETATION (Five Strata) – Use scientific names of plants. Sampling Point: Absolute Dominant Indicator **Dominance Test worksheet:** Tree Stratum (Plot size: _____) % Cover Species? Status **Number of Dominant Species** That Are OBL, FACW, or FAC: Total Number of Dominant ____ (B) Species Across All Strata: Percent of Dominant Species ____ (A/B) That Are OBL, FACW, or FAC: Prevalence Index worksheet: = Total Cover Total % Cover of: Multiply by: 50% of total cover: _____ 20% of total cover: ____ OBL species _____ x 1 =____ Sapling Stratum (Plot size: FACW species _____ x 2 =____ ____ x 3 =____ FAC species FACU species _____ x 4 =____ x 5 =____ UPL species _ Column Totals: _____ (A) ____ (B) Prevalence Index = B/A = _____ = Total Cover **Hydrophytic Vegetation Indicators:** ___ 1 - Rapid Test for Hydrophytic Vegetation 50% of total cover: 20% of total cover: ___ 2 - Dominance Test is >50% Shrub Stratum (Plot size: _____) 3 - Prevalence Index is ≤3.01 4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. = Total Cover Definitions of Five Vegetation Strata: 50% of total cover: 20% of total cover: Tree - Woody plants, excluding woody vines, Herb Stratum (Plot size:) approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. **Shrub** – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb - All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height. Woody vine - All woody vines, regardless of height. _ = Total Cover 50% of total cover: _____ 20% of total cover: ____ Woody Vine Stratum (Plot size: _____)

_ = Total Cover

50% of total cover: _____ 20% of total cover:___

Remarks: (Include photo numbers here or on a separate sheet.)

Yes ____ No__

Hydrophytic

Vegetation Present?

SOIL Sampling Point: _ Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Depth Matrix Redox Features Texture Color (moist) Color (moist) % Type¹ (inches) ²Location: PL=Pore Lining, M=Matrix. ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: ___ 2 cm Muck (A10) (MLRA 147) ___ Histosol (A1) ___ Dark Surface (S7) ___ Histic Epipedon (A2) Polyvalue Below Surface (S8) (MLRA 147, 148) Coast Prairie Redox (A16) ___ Black Histic (A3) ___ Thin Dark Surface (S9) (MLRA 147, 148) (MLRA 147, 148) ___ Hydrogen Sulfide (A4) ___ Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) ___ Stratified Layers (A5) ___ Depleted Matrix (F3) (MLRA 136, 147) __ 2 cm Muck (A10) (LRR N) __ Redox Dark Surface (F6) Very Shallow Dark Surface (TF12) ___ Depleted Below Dark Surface (A11) ___ Depleted Dark Surface (F7) __ Other (Explain in Remarks) Thick Dark Surface (A12) Redox Depressions (F8) ___ Sandy Mucky Mineral (S1) (LRR N, ___ Iron-Manganese Masses (F12) (LRR N, MLRA 147, 148) MLRA 136) Sandy Gleyed Matrix (S4) Umbric Surface (F13) (MLRA 136, 122) ³Indicators of hydrophytic vegetation and ___ Sandy Redox (S5) ___ Piedmont Floodplain Soils (F19) (MLRA 148) wetland hydrology must be present, unless disturbed or problematic. Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) Restrictive Layer (if observed): Type: _ Hydric Soil Present? Depth (inches): _ Yes Remarks: