U.S. A VETLAND DETERMINATION DAT See ERDC/EL TR-07-2		Mountains and	-	OMB Control #: 0710 Requirement Contro (Authority: AR 335-	ol Symbol EXEMPT
Project/Site:		City/Co	ounty:	Samp	ling Date:
pplicant/Owner:				State: Samp	ling Point:
andform (hillside, terrace, etc.):				:\$	
ubregion (LRR or MLRA):					
					Datum:
				NWI classification:	
re climatic / hydrologic conditions on th		•		o (If no, explain	
re Vegetation, Soil, or H	lydrology signific	antly disturbed?	Are "Normal Circum	stances" present?	Yes No
re Vegetation, Soil, or H	lydrologynatural	ly problematic?	(If needed, explain a	any answers in Remarks.)
UMMARY OF FINDINGS – Att	ach site map show	wing sampling	point locations.	transects, importa	nt features, etc
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes <u>No</u> Yes No Yes No	X within a	mpled Area Wetland?	Yes No	<u>x</u>
IYDROLOGY					
IYDROLOGY Wetland Hydrology Indicators:	required: check all that a			ondary Indicators (minimi	
Wetland Hydrology Indicators: Primary Indicators (minimum of one is i				Surface Soil Cracks (B6)	
Wetland Hydrology Indicators: Primary Indicators (minimum of one is n Surface Water (A1)	True Aquatic	Plants (B14)		Surface Soil Cracks (B6) Sparsely Vegetated Cond	
Wetland Hydrology Indicators: Primary Indicators (minimum of one is in sufface Water (A1)	True Aquatic Hydrogen Su	Plants (B14) Ifide Odor (C1)		Surface Soil Cracks (B6) Sparsely Vegetated Cond Drainage Patterns (B10)	
Wetland Hydrology Indicators: Primary Indicators (minimum of one is not see Surface Water (A1)	True Aquatic Hydrogen Su Oxidized Rhiz	Plants (B14)	g Roots (C3)	Surface Soil Cracks (B6) Sparsely Vegetated Cond	cave Surface (B8)
Wetland Hydrology Indicators: Primary Indicators (minimum of one is a Surface Water (A1)	True Aquatic Hydrogen Su Oxidized Rhiz	Plants (B14) Ifide Odor (C1) zospheres on Living	g Roots (C3)	Surface Soil Cracks (B6) Sparsely Vegetated Cond Drainage Patterns (B10) Moss Trim Lines (B16)	cave Surface (B8)
Wetland Hydrology Indicators: Primary Indicators (minimum of one is a Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	True Aquatic Hydrogen Su Oxidized Rhiz	Plants (B14) Iffide Odor (C1) zospheres on Living Reduced Iron (C4) Reduction in Tilled S	g Roots (C3)	Surface Soil Cracks (B6) Sparsely Vegetated Con Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table	cave Surface (B8) (C2)
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VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point:

Tree Stratum (Plot size:)	Absolute Dominant % Cover Species?	Indicator Status	Dominance Test worksheet:	
1,			Number of Dominant Species	
2			•	(A)
3			Total Number of Dominant	
4			Species Across All Strata:	(B)
5.			Percent of Dominant Species	
6.				(A/B)
7			Prevalence Index worksheet:	
500/ //	=Total Cover		Total % Cover of: Multiply by:	
	20% of 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 =	
3.			UPL species x 5 =	(D)
4.			Column Totals: (A)	(B)
5.			Prevalence Index = B/A =	
6.			Hydrophytic Vegetation Indicators:	
7.			1 - Rapid Test for Hydrophytic Vegetation	
8			2 - Dominance Test is >50%	
9			3 - Prevalence Index is ≤3.0 ¹	
	=Total Cover		4 - Morphological Adaptations ¹ (Provide supp data in Remarks or on a separate sheet)	porting
50% of total cover:	20% of total cover:			
Herb Stratum (Plot size:)			Problematic Hydrophytic Vegetation ¹ (Explain	n)
1			¹ Indicators of hydric soil and wetland hydrology m	nust be
2.			present, unless disturbed or problematic.	
3.			Definitions of Four Vegetation Strata:	
4			Tree – Woody plants, excluding vines, 3 in. (7.6 of more in diameter at breast height (DBH), regardle	
5.			height.	ess or
6.			Ŭ	
7.			Sapling/Shrub – Woody plants, excluding vines,	
8			than 3 in. DBH and greater than or equal to 3.28 (1 m) tall.	п
9				
10			Herb – All herbaceous (non-woody) plants, regar of size, and woody plants less than 3.28 ft tall.	dless
11				
	=Total Cover		Woody Vine – All woody vines greater than 3.28 height.	ft in
50% of total cover:	20% of total cover:			
Woody Vine Stratum (Plot size:)				
1				
2.				
3.				
4				
5			Hydrophytic	
	=Total Cover		Vegetation	
50% of total cover:	20% of total cover:		Present? Yes <u>No X</u>	
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			

VEGETATION (Five Strata) – Use scientific names of plants.

Sampling Point:

The electronic (Distribution)	Absolute Dominant Indicato	
Tree Stratum (Plot size:)	% Cover Species? Status	Dominance Test worksheet:
1 2.		 Number of Dominant Species That Are OBL, FACW, or FAC: (A)
		·
1		Total Number of Dominant Species Across All Strata: (B)
		、
6		 Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
0.	=Total Cover	Prevalence Index worksheet:
50% of total cover:	20% of total cover:	Total % Cover of: Multiply by:
Sapling Stratum (Plot size:)		OBL species x 1 =
1,		FACW species x 2 =
2.		FAC species x 3 =
3.		FACU species x 4 =
4.		UPL species x 5 =
5.		Column Totals: (A) (B)
6.		Prevalence Index = B/A =
	=Total Cover	Hydrophytic Vegetation Indicators:
50% of total cover:	20% of total cover:	1 - Rapid Test for Hydrophytic Vegetation
Shrub Stratum (Plot size:)		2 - Dominance Test is >50%
1		3 - Prevalence Index is ≤3.0 ¹
2.		4 - Morphological Adaptations ¹ (Provide supporting
3.		data in Remarks or on a separate sheet)
4.		Problematic Hydrophytic Vegetation ¹ (Explain)
5.		Indicators of hydric soil and wetland hydrology must be
6.		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,
50% of total cover:)	20% of total cover:	approximately 20 ft (6 m) or more in height and 3 in.
	20% of total cover:	
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,
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Herb Stratum (Plot size:) 1.		 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, <u>and</u> woody plants, except woody vines, less than approximately 3 ft (1 m) in height.
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SOIL

Depth Matrix	Redox Features				
inches) Color (moist) %	Color (moist)	% Тур	e ¹ Loc ²	Texture	Remarks
				2.	
ype: C=Concentration, D=Depletion, R	M=Reduced Matrix, M	S=Masked S	and Grains.	۲L	ocation: PL=Pore Lining, M=Matrix.
ydric Soil Indicators: Histosol (A1)	Polyaduo Ro	low Surface ((S8) (MLRA 1 4	47 148)	Indicators for Problematic Hydric Soil 2 cm Muck (A10) (MLRA 147)
Histic Epipedon (A2)			ILRA 147, 148		Coast Prairie Redox (A16)
Black Histic (A3)				•	(MLRA 147, 148)
) (MLRA 136)		Piedmont Floodplain Soils (F19)
Hydrogen Sulfide (A4)	Loamy Gleye	. ,			
Stratified Layers (A5)	Depleted Mat	()			(MLRA 136, 147)
2 cm Muck (A10) (LRR N)	Redox Dark S	. ,			Red Parent Material (F21)
Depleted Below Dark Surface (A11)	Depleted Dar		7)		(outside MLRA 127, 147, 148)
Thick Dark Surface (A12)	Redox Depre	ssions (F8)			Very Shallow Dark Surface (F22)
Sandy Mucky Mineral (S1)	Iron-Mangane	ese Masses ((F12) (LRR N,		Other (Explain in Remarks)
Sandy Gleyed Matrix (S4)	MLRA 136)			
Sandy Redox (S5)	Umbric Surfa	ice (F13) (ML	.RA 122, 136)		³ Indicators of hydrophytic vegetation and
Stripped Matrix (S6)	Piedmont Flo	odplain Soils	(F19) (MLRA	148)	wetland hydrology must be present,
Dark Surface (S7)	Red Parent N	/laterial (F21)	(MLRA 127,	147, 148)	unless disturbed or problematic.
estrictive Layer (if observed):					
Туре:					
Depth (inches):				Hydric Soi	I Present? Yes No X