#### U.S. Army Corps of Engineers OMB Control #: 0710-0024, Exp:11/30/2024 WETLAND DETERMINATION DATA SHEET - Eastern Mountains and Piedmont Region Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a) See ERDC/EL TR-12-9; the proponent agency is CECW-CO-R City/County: \_\_\_\_\_ Sampling Date: \_\_\_\_\_ Project/Site: \_\_\_\_\_State: \_\_\_\_\_Sampling Point: \_\_\_\_\_ Applicant/Owner: Section, Township, Range: Investigator(s): Landform (hillside, terrace, etc.): \_\_\_\_\_\_ Local relief (concave, convex, none): \_\_\_\_\_\_ Slope (%): \_\_\_\_\_ Lat: \_\_\_\_\_Long: \_\_\_\_\_ Subregion (LRR or MLRA): Datum: NWI classification: Soil Map Unit Name: \_\_\_\_ No\_\_\_\_\_ (If no, explain in Remarks.) Are climatic / hydrologic conditions on the site typical for this time of year? Yes Are "Normal Circumstances" present? Yes \_\_\_\_ No \_\_\_ Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_significantly disturbed? Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes         No         X           Yes         No         X           Yes         No         X	Is the Sampled Area within a Wetland?	Yes No_X
Remarks:			

#### HYDROLOGY

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is require		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 Ro	ots (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)	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 Imagery (B7	)		Shallow Aquitard (D3)			
Water-Stained Leaves (B9)						
Aquatic Fauna (B13)						
Field Observations:						
Surface Water Present? Yes	No Depth (inches):					
Water Table Present? Yes						
Saturation Present? Yes	No Depth (inches):	Wetland	Hydrology Present? Yes No X			
(includes capillary fringe)						
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	ctions), if ava	ailable:			
Remarks:						

# VEGETATION (Four Strata) – Use scientific names of plants.

Tree Stratum (Plot size: )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
2				Number of Dominant Species That Are OBL, FACW, or FAC: (A)
3.				Total Number of Dominant
4				Species Across All Strata:(B)
6.				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
50% of total cover:	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 =
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 <sup>1</sup>
50% of total cover:		=Total Cover		4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
Herb Stratum (Plot size:)	20%	on total cover.		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
1				
				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
				Definitions of Four Vegetation Strata:
				-
5				<b>Tree</b> – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
6				height.
7.				Quelle (Querte Manhante en la la compañía de la comp
8.				<b>Sapling/Shrub</b> – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
9.				m) tall.
10.				Herb – All herbaceous (non-woody) plants, regardless
11.				of size, and woody plants less than 3.28 ft tall.
		=Total Cover		Woody Vine – All woody vines greater than 3.28 ft in
50% of total cover:		of total cover:		height.
Woody Vine Stratum         (Plot size:)	2070			
1				
3 4.				
5		=Total Cover		Hydrophytic
50% of total cover:		of total cover:		Vegetation       Present?     Yes       NoX
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

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

Tree Stratum (Plot size:)	Absolute Dominant Indica % Cover Species? State	
1.           2.		That Are OBLEACIAL or EAC
3		Chapter of Dominant
5		Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
	=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		
2.		FAC species         x 3 =
3.		FACU species x 4 =
Λ		
5.		
		Prevalence Index = B/A =
б		
	=Total Cover	Hydrophytic Vegetation Indicators:
	20% of total cover:	
Shrub Stratum (Plot size:)		2 - Dominance Test is >50%
1		
2		data in Remarks or on a separate sheet)
4.		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5		
6		
	=Total Cover	Definitions of Five Vegetation Strata:
50% of total cover:) 1)	20% of total cover:	approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).
2 3		
5 6		Shrub - Woody Plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
7. 8. 9.		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.
10 11		Woody Vine – All woody vines, regardless of height.
	= =Total Cover	
50% of total cover	20% of total cover:	
Woody Vine Stratum (Plot size:)		—
1.	· ·	<u> </u>
2.		<u> </u>
2.	·	
2.	·	
2 3 4	·	Hydrophytic Vegetation

SOIL

(inches)	Color (moist)	% (	Redox		1.002	Toyturo		Don	aarke	
	Color (moist)	<u>%</u> (	Color (moist)	% Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Reli	narks	
					. <u> </u>					
	·									
					. <u> </u>					
	·									
				<u> </u>	·					
Type: C=Cor	ncentration, D=Deplet	ion. RM=Re	duced Matrix. MS	 S=Masked San	d Grains.	<sup>2</sup> l 0(	cation: PI =P	ore Lining, N	1=Matrix	
Hydric Soil In								or Problema		c Soils <sup>3</sup> :
Histosol (A			Polyvalue Bel	ow Surface (S8	B) (MLRA 1	47, 148)		uck (A10) <b>(M</b>		
Histic Epir	pedon (A2)	_	Thin Dark Sur	rface (S9) <b>(MLI</b>	RA 147, 14	B)		rairie Redox		
Black Hist	tic (A3)	_	Loamy Mucky	/ Mineral (F1) <b>(</b>	MLRA 136)		(MLR	A 147, 148)		
Hydrogen	Sulfide (A4)	_	Loamy Gleyed	d Matrix (F2)			Piedmo	nt Floodplain	Soils (F1	9)
Stratified I	Layers (A5)	_	Depleted Matrix (F3)					(MLRA 136, 147)		
2 cm Muc	k (A10) <b>(LRR N)</b>	_	Redox Dark S	Surface (F6)			Red Pa	rent Material	(F21)	
Depleted Below Dark Surface (A11)			Depleted Dark Surface (F7)					(outside MLRA 127, 147, 148)		
Thick Dark Surface (A12)								/ery Shallow Dark Surface (F22)		
	ucky Mineral (S1)	-		ese Masses (F1	.2) <b>(LRR N</b>	I	Other (E	Explain in Rei	marks)	
	eyed Matrix (S4)		MLRA 136)				21	f la value a la vila		
Sandy Redox (S5)			Umbric Surface (F13) (MLRA 122, 136) <sup>3</sup> In Piedmont Floodplain Soils (F19) (MLRA 148)					of hydrophytic		
	Matrix (S6)	-						hydrology m		
Dark Surfa				laterial (F21) <b>(N</b>	/ILRA 127,	147, 148)	uniess u	disturbed or p	robiemau	<i>.</i>
	ayer (if observed):									
Type:						Ukuduia Cail I		Maa	Na	V
Depth (inc	cnes):					Hydric Soil I	resent?	Yes	No	<u>X</u>

# **VEGETATION Continued (Four Strata)** – Use scientific names of plants.

Tree Stratum		Absolute % Cover	Dominant Species?	Indicator Status	Definitions of Four Vegetation Strata:
8					Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
					more in diameter at breast height (DBH), regardless of height.
10					
					Sapling/Shrub – Woody plants, excluding vines, less
					than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
14					Herb – All herbaceous (non-woody) plants, regardless
			=Total Cover		of size, and woody plants less than 3.28 ft tall.
	50% of total cover:	20%	of total cover:		
Sapling/Shrub Stratum					<b>Woody Vine</b> – All woody vines greater than 3.28 ft in height.
					neight.
11					
12					
13					
14					
15					
17					
		=	=Total Cover		
	50% of total cover:	20%	of total cover:		
Herb Stratum					
12.					
15					
16					
10					
19					
20					
21					
22					
			=Total Cover		
	50% of total cover:	20%	of total cover:		
Woody Vine Stratum					
6					
7					
0					
0					
			=Total Cover		
	50% of total cover:				
Demarks: (Include photo	numbers here or on a sepa				L
Temarka. (include piloto	numbers here of on a sepa	i ale si leel.)			

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

Tree Stratum		Absolute % Cover	Dominant Species?	Indicator Status	Definitions of Five Vegetation Strata:
7					
					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.
			=Total Cover		Shrub - Woody Plants, excluding woody vines,
	50% of total cover:	20%	of total cover:		approximately 3 to 20 ft (1 to 6 m) in height.
Sapling Stratum					
7.					Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants,
0					except woody vines, less than approximately 3 ft (1 m) in height.
10.					Woody Vine – All woody vines, regardless of height.
			=Total Cover		
	50% of total cover:	20%	of total cover:		
Shrub Stratum					
7					
			=Total Cover		
	50% of total cover:	20%	of total cover:		
Herb Stratum					
12					
4.4					
15					
16					
17					
18					
19					
20					
21					
22					
			=Total Cover		
	50% of total cover:	20%	of total cover:		
Woody Vine Stratum					
7					
10					
			=Total Cover		
	50% of total cover:		of total cover:		
Remarks: (Include photo	numbers here or on a sepa	arate sheet.)			

#### AGENCY DISCLOSURE NOTIFICATION

The public reporting burden for this collection of information, OMB Control Number 0710-0024, is estimated to average 30 minutes per response, including the timefor reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. **PLEASE DO NOT RETURN YOUR REQUEST TO THE ABOVE EMAIL.** 

#### **PRIVACY ACT STATEMENT**

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Programs of the Corps of Engineers; Final Rule 33 CFR 320-332. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of a public notice as required by Federal law. Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued. One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and/or instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned. System of Record Notice (SORN). The information received is entered into our permit tracking database and a SORN has been completed (SORN #A1145b) and may be accessed at the following website: http://dpcld.defense.gov/Privacy/SORNsIndex/DOD-wide-SORN-Article-View/Article/570115/a1145b-ce.aspx