U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region See ERDC/EL TR-12-9; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site:		City/County:	Sa	ampling Date:
Applicant/Owner:			State:Sa	ampling Point:
Investigator(s):		Section, Township, Range:		
Landform (hillside, terrace, etc.):		cal relief (concave, convex, ı		
Subregion (LRR or MLRA):	Lat:	Long:		Datum:
Soil Map Unit Name:		_	NWI classification:	
Are climatic / hydrologic conditions on the site	typical for this time of year	? Yes	No (If no, expl	ain in Remarks.)
Are Vegetation, Soil, or Hydro	ology significantly dis	· · · · · · · · · · · · · · · · · · ·	ircumstances" present?	Yes No
Are Vegetation, Soil, or Hydro			olain any answers in Remar	
SUMMARY OF FINDINGS – Attach				
		g po		
Hydrophytic Vegetation Present?	Yes No_X_	Is the Sampled Area		
Hydric Soil Present?	YesNo_X	within a Wetland?	YesN	lo_X_
Wetland Hydrology Present? Remarks:	Yes No_X			
HADDOLOGA				
HYDROLOGY Wetland Hydrology Indicators:			Secondary Indicators (min	
Primary Indicators (minimum of one is required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mo	True Aquatic Plants (I Hydrogen Sulfide Odd Oxidized Rhizosphere Presence of Reduced Recent Iron Reduction Thin Muck Surface (C Other (Explain in Ren 7) No Depth (inche No Depth (inche No Depth (inche	es on Living Roots (C3) If Iron (C4) In in Tilled Soils (C6) C7) Inarks) es): es): Wetland H	Surface Soil Cracks (I Sparsely Vegetated C Drainage Patterns (B: Moss Trim Lines (B:B: Dry-Season Water Ta Crayfish Burrows (C8 Saturation Visible on A Stunted or Stressed F Geomorphic Position Shallow Aquitard (D3) Microtopographic Reli FAC-Neutral Test (D5) Hydrology Present?	Concave Surface (B8) 10) 5) able (C2)) Aerial Imagery (C9) Plants (D1) (D2)) ief (D4)
Remarks:				

The public reporting burden for this collection of information, OMB Control Number 0710-xxxx, is estimated to average 1 hour 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 REQEUST 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

VEGETATION	(Four Strata) -	Use scientific	names of plants.
V LOLI A HON	(roui Siiala) –	036 3661111116	Hairies of plants.

- 0			•			
ree Stratum	(Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1 2.					Number of Dominant Species That Are OBL, FACW, or FAC:	(A)
 3.						(
					Total Number of Dominant Species Across All Strata:	(B)
 5.					·	(
					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 S	Stratum (Plot size:					x 2 =
						x 3 =
)						x 4 =
,						x 5 =
1					Column Totals: (A)(B)
					Prevalence Index = B	
,					Hydrophytic Vegetation Indica	
7					1 - Rapid Test for Hydrophy	
					2 - Dominance Test is >50%	
					3 - Prevalence Index is ≤3.0)1
			Total Cover		4 - Morphological Adaptatio	
	50% of total cover:	20% (of total cover:		data in Remarks or on a	` ''
Herb Stratum	50% of total cover: (Plot size:)	20% (of total cover:		data in Remarks or on a	separate sheet)
	(Plot size:)				data in Remarks or on a Problematic Hydrophytic Ve	separate sheet) egetation¹ (Explain)
L	(Plot size:)				data in Remarks or on a Problematic Hydrophytic Ve	separate sheet) egetation¹ (Explain) tland hydrology must be
1 2	(Plot size:)				data in Remarks or on a Problematic Hydrophytic Ve Indicators of hydric soil and we present, unless disturbed or pro	separate sheet) getation¹ (Explain) tland hydrology must be blematic.
L 2 3	(Plot size:)				data in Remarks or on a Problematic Hydrophytic Ve Indicators of hydric soil and we present, unless disturbed or pro Definitions of Four Vegetation	separate sheet) egetation¹ (Explain) tland hydrology must be blematic. n Strata:
L 2 3	(Plot size:)				data in Remarks or on a Problematic Hydrophytic Ve Indicators of hydric soil and we present, unless disturbed or pro	separate sheet) egetation¹ (Explain) tland hydrology must be blematic. n Strata: vines, 3 in. (7.6 cm) or
L	(Plot size:)				data in Remarks or on a Problematic Hydrophytic Ve Indicators of hydric soil and we present, unless disturbed or pro Definitions of Four Vegetation Tree – Woody plants, excluding	separate sheet) egetation¹ (Explain) tland hydrology must be blematic. n Strata: vines, 3 in. (7.6 cm) or
L	(Plot size:)				data in Remarks or on a Problematic Hydrophytic Ve Indicators of hydric soil and we present, unless disturbed or pro Definitions of Four Vegetation Tree – Woody plants, excluding more in diameter at breast heigh height.	separate sheet) egetation¹ (Explain) tland hydrology must be blematic. n Strata: vines, 3 in. (7.6 cm) or nt (DBH), regardless of
L	(Plot size:)				data in Remarks or on a Problematic Hydrophytic Ve Indicators of hydric soil and we present, unless disturbed or pro Definitions of Four Vegetation Tree – Woody plants, excluding more in diameter at breast height	separate sheet) egetation¹ (Explain) tland hydrology must be blematic. n Strata: vines, 3 in. (7.6 cm) or nt (DBH), regardless of
L	(Plot size:)				data in Remarks or on a Problematic Hydrophytic Ve Indicators of hydric soil and we present, unless disturbed or pro Definitions of Four Vegetation Tree – Woody plants, excluding more in diameter at breast heigh height. Sapling/Shrub – Woody plants	separate sheet) egetation¹ (Explain) tland hydrology must be blematic. n Strata: vines, 3 in. (7.6 cm) or nt (DBH), regardless of
L	(Plot size:)				data in Remarks or on a Problematic Hydrophytic Ve Indicators of hydric soil and we present, unless disturbed or pro Definitions of Four Vegetation Tree – Woody plants, excluding more in diameter at breast heigh height. Sapling/Shrub – Woody plants than 3 in. DBH and greater than m) tall.	egetation¹ (Explain) tland hydrology must be blematic. n Strata: vines, 3 in. (7.6 cm) or nt (DBH), regardless of excluding vines, less or equal to 3.28 ft (2.5)
1	(Plot size:)				data in Remarks or on a Problematic Hydrophytic Ve Indicators of hydric soil and we present, unless disturbed or pro Definitions of Four Vegetation Tree – Woody plants, excluding more in diameter at breast heigh height. Sapling/Shrub – Woody plants than 3 in. DBH and greater than	separate sheet) egetation¹ (Explain) tland hydrology must be blematic. n Strata: vines, 3 in. (7.6 cm) or nt (DBH), regardless of equal to 3.28 ft (2.5 cdy) plants, regardless
1	(Plot size:)				data in Remarks or on a Problematic Hydrophytic Ve Indicators of hydric soil and we present, unless disturbed or pro Definitions of Four Vegetation Tree – Woody plants, excluding more in diameter at breast heigh height. Sapling/Shrub – Woody plants than 3 in. DBH and greater than m) tall. Herb – All herbaceous (non-woof size, and woody plants less the size of the size o	separate sheet) getation¹ (Explain) tland hydrology must be blematic. n Strata: vines, 3 in. (7.6 cm) or nt (DBH), regardless of , excluding vines, less or equal to 3.28 ft (2.5 cdy) plants, regardless and 3.28 ft tall.
1	(Plot size:)		Total Cover		data in Remarks or on a Problematic Hydrophytic Ve Indicators of hydric soil and we present, unless disturbed or pro Definitions of Four Vegetation Tree – Woody plants, excluding more in diameter at breast heigh height. Sapling/Shrub – Woody plants than 3 in. DBH and greater than m) tall. Herb – All herbaceous (non-woods)	separate sheet) getation¹ (Explain) tland hydrology must be blematic. n Strata: vines, 3 in. (7.6 cm) or nt (DBH), regardless of , excluding vines, less or equal to 3.28 ft (2.5 cdy) plants, regardless and 3.28 ft tall.
1	(Plot size:) 50% of total cover:				data in Remarks or on a Problematic Hydrophytic Ve Indicators of hydric soil and we present, unless disturbed or pro Definitions of Four Vegetation Tree – Woody plants, excluding more in diameter at breast heigh height. Sapling/Shrub – Woody plants than 3 in. DBH and greater than m) tall. Herb – All herbaceous (non-woo of size, and woody plants less the	separate sheet) getation¹ (Explain) tland hydrology must be blematic. n Strata: vines, 3 in. (7.6 cm) or nt (DBH), regardless of , excluding vines, less or equal to 3.28 ft (2004) plants, regardless nan 3.28 ft tall.
L	50% of total cover:		Total Cover		data in Remarks or on a Problematic Hydrophytic Ve Indicators of hydric soil and we present, unless disturbed or pro Definitions of Four Vegetation Tree – Woody plants, excluding more in diameter at breast heigh height. Sapling/Shrub – Woody plants than 3 in. DBH and greater than m) tall. Herb – All herbaceous (non-woo of size, and woody plants less the	separate sheet) getation¹ (Explain) tland hydrology must be blematic. n Strata: vines, 3 in. (7.6 cm) or nt (DBH), regardless of , excluding vines, less or equal to 3.28 ft (2.5 cdy) plants, regardless and 3.28 ft tall.
L	50% of total cover:		Total Cover		data in Remarks or on a Problematic Hydrophytic Ve Indicators of hydric soil and we present, unless disturbed or pro Definitions of Four Vegetation Tree – Woody plants, excluding more in diameter at breast heigh height. Sapling/Shrub – Woody plants than 3 in. DBH and greater than m) tall. Herb – All herbaceous (non-woo of size, and woody plants less the	separate sheet) getation¹ (Explain) tland hydrology must be blematic. n Strata: vines, 3 in. (7.6 cm) or nt (DBH), regardless of , excluding vines, less or equal to 3.28 ft (2.5 cdy) plants, regardless and 3.28 ft tall.
L	50% of total cover:		Total Cover		data in Remarks or on a Problematic Hydrophytic Ve Indicators of hydric soil and we present, unless disturbed or pro Definitions of Four Vegetation Tree – Woody plants, excluding more in diameter at breast heigh height. Sapling/Shrub – Woody plants than 3 in. DBH and greater than m) tall. Herb – All herbaceous (non-woo of size, and woody plants less the	separate sheet) getation¹ (Explain) tland hydrology must be blematic. n Strata: vines, 3 in. (7.6 cm) or nt (DBH), regardless of , excluding vines, less or equal to 3.28 ft (2.5 cdy) plants, regardless and 3.28 ft tall.
1	50% of total cover:		Total Cover		data in Remarks or on a Problematic Hydrophytic Ve Indicators of hydric soil and we present, unless disturbed or pro Definitions of Four Vegetation Tree – Woody plants, excluding more in diameter at breast heigh height. Sapling/Shrub – Woody plants than 3 in. DBH and greater than m) tall. Herb – All herbaceous (non-woo of size, and woody plants less the	separate sheet) getation¹ (Explain) tland hydrology must be blematic. n Strata: vines, 3 in. (7.6 cm) or nt (DBH), regardless of , excluding vines, less or equal to 3.28 ft (1
1	(Plot size:) 50% of total cover: ratum (Plot size:		Total Cover		data in Remarks or on a Problematic Hydrophytic Ve Indicators of hydric soil and we present, unless disturbed or pro Definitions of Four Vegetation Tree – Woody plants, excluding more in diameter at breast heigh height. Sapling/Shrub – Woody plants than 3 in. DBH and greater than m) tall. Herb – All herbaceous (non-woo of size, and woody plants less the	separate sheet) getation¹ (Explain) tland hydrology must be blematic. n Strata: vines, 3 in. (7.6 cm) or nt (DBH), regardless of , excluding vines, less or equal to 3.28 ft (1
1	50% of total cover:		Total Cover		data in Remarks or on a Problematic Hydrophytic Ve Indicators of hydric soil and we present, unless disturbed or pro Definitions of Four Vegetation Tree – Woody plants, excluding more in diameter at breast heigh height. Sapling/Shrub – Woody plants than 3 in. DBH and greater than m) tall. Herb – All herbaceous (non-woo of size, and woody plants less the	separate sheet) getation¹ (Explain) tland hydrology must be blematic. n Strata: vines, 3 in. (7.6 cm) or nt (DBH), regardless of , excluding vines, less or equal to 3.28 ft (1

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

VEGETATION	(Five Strata) -	Use scientific	names of plants.
VEGETATION	irive Silalai –	USE SCIENTING	Hallies of Dialics

Tree Stratum (Plot size:)	Absolute Dominant Species?	Indicator Status	Dominance Test worksheet:	
1			Number of Dominant Species That Are OBL, FACW, or FAC:	(A)
3. 4.			Total Number of Dominant Species Across All Strata:	(B)
5. 6.			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	< 1 =
1			FACW species	< 2 =
2			FAC species	< 3 =
3.			FACU species	< 4 =
4.				< 5 =
5.			Column Totals:	(A) (B)
6.			Prevalence Index = B/A	·
	=Total Cover		Hydrophytic Vegetation Indica	ntors:
50% of total cover:	20% of total cover:		1 - Rapid Test for Hydrophy	tic Vegetation
Shrub Stratum (Plot size:)			2 - Dominance Test is >50%	,
1.			3 - Prevalence Index is ≤3.0	1
2. 3.			4 - Morphological Adaptation data in Remarks or on a	` ''
4.			Problematic Hydrophytic Ve	,
5.6.			¹ Indicators of hydric soil and wet present, unless disturbed or prol	
	=Total Cover		Definitions of Five Vegetation	
50% of total cover:	20% of total cover:		Tree – Woody plants, excluding	woody vinos
Herb Stratum (Plot size:) 1			approximately 20 ft (6 m) or mor (7.6 cm) or larger in diameter at	e in height and 3 in.
2. 3. 4.			Sapling – Woody plants, exclud approximately 20 ft (6 m) or mor than 3 in. (7.6 cm) DBH.	
5			Shrub - Woody Plants, excludin approximately 3 to 20 ft (1 to 6 n	
7			Herb – All herbaceous (non-woo	odv) plants, including
8			herbaceous vines, regardless of	size, and woody plants,
9			except woody vines, less than a m) in height.	oproximately 3 it (1
10				
11			Woody Vine – All woody vines,	regardiess of neight.
	=Total Cover			
50% of total cover:	20% of total cover:			
1.				
2				
3				
4				
5			Lively a mily stice	
	=Total Cover		Hydrophytic Vegetation	
50% of total cover:	20% of total cover:		Present? Yes	No X

SOIL Sampling Point:

Profile Desc Depth	scription: (Describe to the depth needed to document the indicator or confirm the absen Matrix Redox Features				e absence of indicators.)					
(inches)	Color (moist)	 _	Color (moist)	% " Catur	Type ¹	Loc ²	Texture		Ren	narks
(11101100)	(molecy		Color (moloc)		1960		TOXEGIO		11011	TCT TC
1Type: C=Ce	nnontration D-Donle	tion DM-F	Poduood Matrix M	———	od Cand	Croins	21.	ocation: DI =D	oro Lining M	I-Matrix
	oncentration, D=Deple	elion, Rivi-r	teuuceu Mainx, M	IS-IVIASK	keu Sanu	Giailis.	-L	ocation: PL=P		
Hydric Soil I Histosol			Polyvalue Be	Jour Sur	faco (S9)	(MLDA	147 140\			tic Hydric Soils ³ :
	ipedon (A2)		Thin Dark Su		` '	•	•		ıck (A10) (M I rairie Redox	
Black His			Loamy Muck						A 147, 148)	(A10)
	n Sulfide (A4)		Loamy Gleye	-	. , .	ILKA 130	')	•	nt Floodplain	Soils (E19)
	Layers (A5)		Depleted Ma						4 136, 147)	30li3 (i 13)
	ck (A10) (LRR N)		Redox Dark	. ,					ent Material	(F21)
	Below Dark Surface	(A11)	Depleted Da							27, 147, 148)
	rk Surface (A12)	,	Redox Depre					•		urface (F22)
	ucky Mineral (S1)		 Iron-Mangan			2) (LRR N	l,		xplain in Rei	
	leyed Matrix (S4)		MLRA 136		·	, .			•	·
Sandy R	edox (S5)		Umbric Surfa	ce (F13) (MLRA	122, 136	6)	3Indicators o	f hydrophytic	vegetation and
Stripped	Matrix (S6)		Piedmont Flo	odplain	Soils (F1	L9) (MLR	A 148)	wetland	hydrology m	ust be present,
Dark Sur	face (S7)		Red Parent N	Material	(F21) (M	LRA 127	, 147, 148)	unless d	isturbed or p	roblematic.
Restrictive L	.ayer (if observed):									
Type:	,									
Depth (in	iches):						Hydric Soi	Present?	Yes	No X
Remarks:							, -			
rtomanto.										

VEGETATION Continued (Four Strata	Absolute	Dominant	Indicator	Sampling Point:
Tree Stratum	% Cover	Species?	Status	Definitions of Four Vegetation Strata:
8.				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
9		-	-	more in diameter at breast height (DBH), regardless of height.
10				Height.
11				Sapling/Shrub – Woody plants, excluding vines, less
12				than 3 in. DBH and greater than or equal to 3.28 ft (1 m tall.
13				tail.
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				Woody Vine – All woody vines greater than 3.28 ft in
10				height.
11				
12				
13.				
14				
15				
16.				
17.				
18.				
		Total Cover		
50% of total cover:	20%	of total cover:		
Herb Stratum				
12				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
		Total Cover		
50% of total cover:				
Woody Vine Stratum		or total oover.		
				
6	_			
9.				
10.				
	=	Total Cover		

20% of total cover:

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

50% of total cover: ____

VEGETATION Continued (Five Strata) – Use scientific names of plants. Sampling Point: Absolute Dominant Indicator % Cover Species? Status **Definitions of Five Vegetation Strata: Tree Stratum Tree** – Woody plants, excluding woody vines, 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, approximately 3 to 20 ft (1 to 6 m) in height. 50% of total cover: 20% of total cover: Sapling Stratum 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) 8. in height. Woody Vine - All woody vines, regardless of height. 10. _____ 11. _____ ____=Total Cover 50% of total cover: 20% of total cover: Shrub Stratum 9. =Total Cover 50% of total cover: _____ 20% of total cover: **Herb Stratum** 12. _____ 13. _____ 14. _____ 21. =Total Cover 50% of total cover: ____ 20% of total cover: Woody Vine Stratum

____=Total Cover

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

50% of total cover: