## **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-COR

OMB Control #: 0710-0024, Exp: 04/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site:		City/County:	Sampling Date:
Applicant/Owner:			State: Sampling Point:
Investigator(s):		Section, Township, Range	<del></del>
Landform (hillside, terrace, etc.):	L		none): Slope (%):
Subregion (LRR or MLRA):	_	Long:	<u> </u>
Soil Map Unit Name:			NWI classification:
Are climatic / hydrologic conditions on the	no site typical for this time of y	ear? Yes	No (If no, explain in Remarks.)
Are Vegetation, Soil, or l			Circumstances" present? Yes No
Are Vegetation, Soil, or			plain any answers in Remarks.)
SUMMARY OF FINDINGS – At	tach site map showing	sampling point locati	ons, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes No	Is the Sampled Area	
Hydric Soil Present?	Yes No	within a Wetland?	Yes No
Wetland Hydrology Present?	Yes No		<del></del> -
Remarks:		<u> </u>	
HYDROLOGY			
Wetland Hydrology Indicators:			Secondary Indicators (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		Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide C		Drainage Patterns (B10)
Saturation (A3)		eres on Living Roots (C3)	Moss Trim Lines (B16)
Water Marks (B1)	Presence of Reduc		Dry-Season Water Table (C2)
Sediment Deposits (B2)		tion in Tilled Soils (C6)	Crayfish Burrows (C8)
Drift Deposits (B3) Algal Mat or Crust (B4)	Thin Muck Surface Other (Explain in R		Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1)
Iron Deposits (B5)	Other (Explain in K	emarks)	Geomorphic Position (D2)
Inundation Visible on Aerial Image	erv (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 (inc	hes):	
Water Table Present? Yes	No Depth (inc		
Saturation Present? Yes	No Depth (inc	hes): Wetland	Hydrology Present? Yes No
(includes capillary fringe)			
Describe Recorded Data (stream gaug	e, monitoring well, aerial photo	os, previous inspections), if a	vailable:
Damadra			
Remarks:			

<b>EGETATION (Four Strata)</b> – Use scienti				Sampling Poir	
Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
n				Number of Dominant Species That Are OBL, FACW, or FAC:	(A)
				_	(, ,)
4.				Total Number of Dominant Species Across All Strata:	(B)
5.				Percent of Dominant Species	
3.				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	!=
l				FAC species x 3	i =
2.				FACU species x 4	. =
3.				UPL species x 5	
4.				Column Totals: (A)	(B)
5.				Prevalence Index = B/A	
S				Hydrophytic Vegetation Indicato	ors:
7.				1 - Rapid Test for Hydrophytic	Vegetation
3.				2 - Dominance Test is >50%	
9.				3 - Prevalence Index is ≤3.0 <sup>1</sup>	
		=Total Cover		4 - Morphological Adaptations	1 (Provide supporting
50% of total cover:	20%	of total cover:		data in Remarks or on a se	parate sheet)
Herb Stratum (Plot size:)				Problematic Hydrophytic Vege	etation <sup>1</sup> (Explain)
1				<sup>1</sup> Indicators of hydric soil and wetland	nd hydrology must b
2 3.				present, unless disturbed or proble  Definitions of Four Vegetation S	
3. 4.					
<u> </u>				Tree – Woody plants, excluding vii more in diameter at breast height (	
5. 5.				height.	(DB11), regardiess of
7.					
				Sapling/Shrub – Woody plants, e than 3 in. DBH and greater than or	
o. 9.				(1 m) tall.	equal to 0.20 it
				Hank All banks as a very frage very de	
10 11.				<b>Herb</b> – All herbaceous (non-woody of size, and woody plants less than	
• • • • • • • • • • • • • • • • • • • •		=Total Cover		Woody Vine – All woody vines gre	eater than 3.28 ft in
50% of total cover:		of total cover:		height.	
Woody Vine Stratum (Plot size:)		o. 101a. 0010.			
1 2					
4.					
5.					
·		=Total Cover		Hydrophytic	
		of total cover:		Vegetation Present? Yes	No
50% of total cover:		OI total cover.		FIGSCIIL: IGS	140

<b>EGETATION (Five Strata)</b> – Use scien		•		Sampling Point:	
Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. 2.	- <u></u>			Number of Dominant Species That Are OBL, FACW, or FAC:	(A)
k				Total Number of Dominant Species Across All Strata:	(B)
i				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: Me	ultiply by:
Sapling Stratum (Plot size:)				OBL species x 1 =	
				FACW species x 2 =	
				FACU species x 4 =	
·				UPL species x 5 =	
-				Column Totals: (A)	(B)
				Prevalence Index = B/A =	(5)
		Total Cover		Hydrophytic Vegetation Indicators:	
50% of total cover:				1 - Rapid Test for Hydrophytic Ve	
Shrub Stratum (Plot size:)		or total cover.		2 - Dominance Test is >50%	gotation
				3 - Prevalence Index is ≤3.0 <sup>1</sup>	
				4 - Morphological Adaptations <sup>1</sup> (P	
•				Problematic Hydrophytic Vegetati	on <sup>1</sup> (Explain)
i.				<sup>1</sup> Indicators of hydric soil and wetland I present, unless disturbed or problema	hydrology must be
·		Total Cover		Definitions of Five Vegetation Strat	
50% of total cover:					
Herb Stratum (Plot size:)  1	2070			<b>Tree</b> – Woody plants, excluding wood approximately 20 ft (6 m) or more in h (7.6 cm) or larger in diameter at breas	eight and 3 in.
2. 3. 1.				Sapling – Woody plants, excluding w approximately 20 ft (6 m) or more in h than 3 in. (7.6 cm) DBH.	
5.				Shrub - Woody Plants, excluding woo approximately 3 to 20 ft (1 to 6 m) in h	
7				Herb – All herbaceous (non-woody) p herbaceous vines, regardless of size, plants, except woody vines, less than 3 ft (1 m) in height.	and woody
10 11.				Woody Vine – All woody vines, regar	dless of height

=Total Cover

=Total Cover

20% of total cover:

20% of total cover:

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

50% of total cover:

Woody Vine Stratum (Plot size: )

50% of total cover:

3. 4.

No

Hydrophytic

Yes

Vegetation

Present?

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

Profile Desc Depth	ription: (Describe to Matrix	to the dep		<b>ument tl</b> x Featur		ator or co	onfirm the abs	ence of indi	cators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Ren	narks	
(11101103)	Color (IIIOlat)		Color (IIIOISI)	/0	·ype		TOXILLE		11611	inarito.	
			_							_	
<sup>1</sup> Type: C=Co	oncentration, D=Dep	etion, RM=	Reduced Matrix, N	 ∕IS=Mas	ked San	d Grains.	<sup>2</sup> Lo	cation: PL=I	Pore Lining, N	M=Matrix.	
Hydric Soil		,								atic Hydric Soils <sup>3</sup> :	
Histosol			Polyvalue Be	elow Sur	face (S8	) (MI RA	147 148)		uck (A10) <b>(M</b>		
	oipedon (A2)		Thin Dark S		-				Prairie Redox		
										(A10)	
Black Hi	` '		Loamy Muck			VILKA 130	·)		A 147, 148)	O-11- (E40)	
	n Sulfide (A4)		Loamy Gley						ont Floodplair	1 30118 (F 19)	
	Layers (A5)		Depleted Ma						A 136, 147)	(=0.4)	
	ck (A10) (LRR N)	,	Redox Dark		` '				rent Material		
	Below Dark Surface	e (A11)	Depleted Da					•		27, 147, 148)	
Thick Da	rk Surface (A12)		Redox Depr							Surface (F22)	
Sandy M	lucky Mineral (S1)		Iron-Mangar	iese Ma	sses (F1	2) <b>(LRR N</b>	l,	Other (	Explain in Re	emarks)	
Sandy G	leyed Matrix (S4)		MLRA 13	5)							
Sandy R	edox (S5)		Umbric Surfa	ace (F13	B) (MLRA	122, 136	6)	<sup>3</sup> Indicators	of hydrophytic	c vegetation and	
Stripped	Matrix (S6)		Piedmont Fl	oodplain	Soils (F	19) <b>(MLR</b>	A 148)	wetland	wetland hydrology must be present,		
Dark Su	face (S7)		Red Parent	Material	(F21) <b>(M</b>	ILRA 127,	, 147, 148)	unless	disturbed or p	oroblematic.	
Restrictive I	_ayer (if observed):										
Type:											
Depth (ir	iches).						Hydric Soil	Present?	Yes	No	
							Tiyuno con	1 1000111.			
Remarks:											

VEGETATION Continued (Four Strata)			s of plants.	Sampling Point:
	Absolute	Dominant	Indicator	
Tree Stratum	% Cover		Status	Definitions of Four Vegetation Strata:
8				<b>Tree</b> – Woody plants, excluding vines, 3 in. (7.6 cm) or
9				more in diameter at breast height (DBH), regardless of
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
13.				m) tall.
14.				
· · · <u> </u>		=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless
500/ of total anyon			_	of size, and woody plants less than 3.28 ft tall.
50% of total cover:	20%	or total cover	·	
Sapling/Shrub Stratum				<b>Woody Vine</b> – 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				
15.				
16.				
17				
18.				
19.				
20				
21				
22.				
		=Total Cover		
50% of total cover:		of total cover:		
Woody Vine Stratum		or total cover.	·	
6.				
7				
8				
9				
10				
		=Total Cover		
50% of total cover:	20%	of total cover:	•	
Remarks: (Include photo numbers here or on a sep	-			1
Tremains, (include prioto numbers here or on a sep	arate Srieet.)			

VEGETATION Continued (Five Strata)			<u> </u>	Sampling Point:
Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	Definitions of Five Vegetation Strata:
7.	· ·			Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in.
3.				(7.6 cm) or larger in diameter at breast height (DBH)
)				(,
10				Sapling – Woody plants, excluding woody vines,
11				approximately 20 ft (6 m) or more in height and less
12				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				Herb – All herbaceous (non-woody) plants, including
7.				herbaceous vines, regardless of size, <u>and</u> woody
				plants, except woody vines, less than approximately
				ft (1 m) in height.
				Woody Vine – All woody vines, regardless of height
10.				,
11.				
12.				
		=Total Cover		
50% of total cover:	20%	of total cover:		
Shrub Stratum				
7				
8.				
Э.				
10				
10				
11.	<del></del>			
12				
		=Total Cover		
50% of total cover:	20%	of total cover:		
Herb Stratum				
12				
13.				
14.				
15.				
10				
-				
17.				
18.				
19.				
20	. ——			
21				
22				
	====================================	=Total Cover		
50% of total cover:	20%	of total cover:		
Woody Vine Stratum				
-				
6. 7.	· ——			
8				
9.				
9				
10.	:	Total Cover		

## **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