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U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

OMB Control #: 0710-xxxx, Exp: Pending 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, Tov	vnship, Range:				
Landform (hillside, terrace, etc.):	Local re			Slope %:			
Subregion (LRR or MLRA):							
Soil Map Unit Name:			NWI classification:				
·	es as the site tunical for this time of year?	Voe		evalain in Pomarka)			
	ns on the site typical for this time of year?	Yes	No (If no, e				
	, or Hydrologysignificantly disturb		al Circumstances" preser				
' 	, or Hydrologynaturally problemat		, explain any answers in F				
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.							
Hydrophytic Vegetation Present?	? Yes No _X	Is the Sampled Ar					
Hydric Soil Present?	Yes No X	within a Wetland?					
Wetland Hydrology Present?	Yes No _X	If yes, optional Wet	land Site ID:				
Remarks: (Explain alternative pr	rocedures here or in a separate report.)						
HYDROLOGY							
Wetland Hydrology Indicators:	:		Secondary Indicators (mi	inimum of two required)			
	one is required; check all that apply)		Surface Soil Cracks				
Surface Water (A1)		Water-Stained Leaves (B9) Drainage Patterns (
High Water Table (A2)	Aquatic Fauna (B13)						
Saturation (A3)	Marl Deposits (B15)						
Water Marks (B1)	Hydrogen Sulfide Odor (C	•	Crayfish Burrows (C	,			
Sediment Deposits (B2)	Oxidized Rhizospheres of Presence of Reduced Iron	thizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) of Reduced Iron (C4) Stunted or Stressed Plants (D1)					
Drift Deposits (B3) Algal Mat or Crust (B4)	Recent Iron Reduction in		Geomorphic Position	, ,			
Iron Deposits (B5)	Thin Muck Surface (C7)	Tilled Jolis (Co,	Shallow Aquitard (D3)				
Inundation Visible on Aerial I		(S)	Microtopographic Relief (D4)				
Sparsely Vegetated Concave		,	FAC-Neutral Test (D				
Field Observations:			_	· ·			
	es No Depth (inches): _						
Saturation Present? Ye	es No Depth (inches): No Depth (inches):	Wetland	d Hydrology Present?	Yes No X			
(includes capillary fringe)				_			
Describe Recorded Data (stream	n gauge, monitoring well, aerial photos, prev	vious inspections), if a	available:				
Remarks:							

Tree Stratum (Plot size:	Absolu) % Cov		Indicator Status	Dominance Test worksheet	:	
l				Number of Dominant Species		
2.				That Are OBL, FACW, or FAC		(A)
3.				Total Number of Dominant		
l				Species Across All Strata:		(B)
j				Percent of Dominant Species		
)				That Are OBL, FACW, or FAC		(A/B)
·				Prevalence Index workshee	t:	
		=Total Cover		Total % Cover of:	Multiply by:	<u> </u>
apling/Shrub Stratum (Plot size:)			OBL species	x 1 =	
·				FACW species	x 2 =	
				FAC species		
				FACU species	x 4 =	
·				UPL species	x 5 =	
				Column Totals:		
·				Prevalence Index = B	/A =	
				Hydrophytic Vegetation Ind		<u> </u>
		=Total Cover		1 - Rapid Test for Hydrop	hytic Vegetation	
lerb Stratum (Plot size:)			2 - Dominance Test is >5	0%	
				3 - Prevalence Index is ≤	3.0 ¹	
				4 - Morphological Adapta		
J				data in Remarks or on	a separate sheet	t)
·				Problematic Hydrophytic	Vegetation ¹ (Exp	lain)
				¹ Indicators of hydric soil and v	wetland hydrology	v must
				be present, unless disturbed		y mast
				Definitions of Vegetation St	rata:	
				Tree – Woody plants 3 in. (7.	6 cm) or more in	
				diameter at breast height (DB		
0				Sapling/shrub – Woody plan	its less than 3 in	DBH
1				and greater than or equal to 3		55
2				Herb – All herbaceous (non-v	voody) plants red	nardless
		=Total Cover		of size, and woody plants less		
Voody Vine Stratum (Plot size:)			Woody vines – All woody vin	es greater than 3	8 28 ft in
·				height.	loo groator than c).LO 11 III
·						
S				Hydrophytic Vegetation		
l				Present? Yes	No X	
		=Total Cover				

SOIL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix			k Featur			onfirm the absence o		,		
· ·	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Rema	rks	
			_								
¹ Type: C=Concent	tration, D=Depl	etion, RM:	=Reduced Matrix, M	1S=Mas	ked Sand	d Grains.	² Location: F	L=Pore Li	ning, M=Ma	atrix.	
Hydric Soil Indica	itors:						Indicators f	or Proble	matic Hydr	ic Soils ³ :	:
Histosol (A1)			Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	2 cm Mu	uck (A10) ((LRR K, L,	MLRA 14	9B)
Histic Epipedo	n (A2)		MLRA 149B)			Coast P	rairie Red	ox (A16) (L	RR K, L,	R)
Black Histic (A	ر3)	_	Thin Dark Surfa	ace (S9)	(LRR R	, MLRA 1	149B)5 cm Μι	ucky Peat	or Peat (S3) (LRR K	, L, R)
Hydrogen Sulf	ide (A4)		High Chroma S	Sands (S	S11) (LRF	R K, L)	Polyvalu	ie Below S	Surface (S8) (LRR K,	L)
Stratified Laye	rs (A5)		Loamy Mucky I	Mineral	(F1) (LRI	R K, L)	Thin Da	rk Surface	(S9) (LRR	K , L)	
Depleted Belo	w Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Mai	nganese M	Masses (F12	2) (LRR K	K, L, R)
Thick Dark Su	rface (A12)		Depleted Matri	x (F3)			Piedmoi	nt Floodpla	ain Soils (F	19) (MLR .	A 149B)
Sandy Mucky	Mineral (S1)		Redox Dark Su	ırface (F	- 6)		Red Par	ent Materi	al (F21) (o	utside MI	_RA 145)
Sandy Gleyed	Matrix (S4)		Depleted Dark	Surface	(F7)		Very Sh	allow Dark	Surface (F	- 22)	
Sandy Redox	(S5)		Redox Depress	sions (F	8)		Mesic S	podic (TA	6) (MLRA 1	44A, 145	, 149B)
Stripped Matrix	x (S6)		Marl (F10) (LR	R K, L)			Other (E	xplain in F	Remarks)		
Dark Surface ((S7)		Red Parent Ma	terial (F	21) (MLF	RA 145)					
		•									
³ Indicators of hydro	ophytic vegetati	ion and we	etland hydrology mu	ıst be pr	esent, ur	nless dist	turbed or problematic.				
Restrictive Layer	(if observed):										
Type:											
Depth (inches)):						Hydric Soil Prese	nt?	Yes	No_	X
	<u> </u>						,				<u> </u>
Remarks:											

VEGETATION Continued – Use scientific	names of	plants.		Sampling Point:
	Absolute	Dominant	Indicator	
Tree Stratum	% Cover	Species?	Status	Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
13.				of size, and woody plants less than 3.28 ft tall.
14.				Woody vines – All woody vines greater than 3.28 ft in
		=Total Cover		height.
Sapling/Shrub Stratum				
8. 9.				
	· ·			
10.				
11.				
12				
13				
14				
		=Total Cover		
Herb Stratum				
13				
14				
15				
16				
17				
18				
19				
20.				
21.				
22.				
23.				
24.				
	-	=Total Cover		
Woody Vine Stratum				
-				
7				
8				
		=Total Cover		
Remarks: (Include photo numbers here or on a sep	arate sheet.)			