U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Midwest 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)

_____ 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: ____ Datum: NWI classification: Soil Map Unit Name: Are climatic / hydrologic conditions on the site typical for this time of year? Yes____ No____ (If no, explain in Remarks.) Are Vegetation _____, Soil _____, or Hydrology _____significantly disturbed? Are "Normal Circumstances" present? Yes _____ No ___ 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, Yes____ Hydrophytic Vegetation Present? Is the Sampled Area Hydric Soil Present? Yes ____ No X within a Wetland? Yes No X Wetland Hydrology Present? No X Yes Remarks: **VEGETATION** – Use scientific names of plants. Absolute Dominant Indicator (Plot size:_____) Status % Cover Species? Tree Stratum **Dominance Test worksheet:** Number of Dominant Species That Are OBL, FACW, or FAC: **Total Number of Dominant Species** Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: (Plot size:) Sapling/Shrub Stratum Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species _____ x 1 = ____ FACW species _____ x 2 = ____ FAC species ____ x 3 = _ FACU species _____ x 4 = ____ Herb Stratum (Plot size: ____) UPL species _ ____ x 5 = ____ Column Totals: (A) Prevalence Index = B/A = **Hydrophytic Vegetation Indicators:** 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.01 4 - Morphological Adaptations1 (Provide supp data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explair =Total Cover ¹Indicators of hydric soil and wetland hydrology m (Plot size:) present, unless disturbed or problematic. Woody Vine Stratum Hydrophytic Vegetation =Total Cover Present?

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

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etc.

(A)

(B)

(A/B)

(B)

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SOIL Sampling Point: Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Depth Redox Features (inches) Color (moist) % Color (moist) Loc² % Type¹ Texture ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ²Location: PL=Pore Lining, M=Matrix. **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils3: Histosol (A1) Sandy Gleyed Matrix (S4) Coast Prairie Redox (A16) Histic Epipedon (A2) Sandy Redox (S5) Iron-Manganese Masses (F12) Black Histic (A3) Stripped Matrix (S6) Red Parent Material (F21) Hydrogen Sulfide (A4) Dark Surface (S7) Very Shallow Dark Surface (F22) Stratified Layers (A5) Loamy Mucky Mineral (F1) Other (Explain in Remarks) Loamy Gleyed Matrix (F2) 2 cm Muck (A10) Depleted Below Dark Surface (A11) Depleted Matrix (F3) ³Indicators of hydrophytic vegetation and Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) wetland hydrology must be present, 5 cm Mucky Peat or Peat (S3) Redox Depressions (F8) unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): **Hydric Soil Present?** No Remarks: **HYDROLOGY** Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of two required) Surface Water (A1) Water-Stained Leaves (B9) Surface Soil Cracks (B6) High Water Table (A2) Aquatic Fauna (B13) Drainage Patterns (B10) Saturation (A3) True Aquatic Plants (B14) Dry-Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Drift Deposits (B3) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Thin Muck Surface (C7) FAC-Neutral Test (D5) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Gauge or Well Data (D9) Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks) Field Observations: Surface Water Present? Depth (inches): Yes Water Table Present? No Depth (inches): Saturation Present? Depth (inches): Wetland Hydrology Present? No X Yes (includes capillary fringe)

Remarks:

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

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VECETATION Continued	 Use scientific names of plants
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/EGETATION Continued – Use scientific names of plants.				Sampling Point:	
Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	Definitions of Vegetation Strata:	
6					
7.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter	
0				at breast height (DBH), regardless of height.	
0				Sapling/Shrub – Woody plants less than 3 in. DBH ar	
10.				greater than 3.28 ft (1 m) tall.	
				Hards All backs are confused to all outs in all officers	
11 12				Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plant	
13.				less than 3.28 ft tall.	
		=Total Cover		Woody Vine – All woody vines greater than 3.28 ft in	
Sapling/Shrub Stratum				height.	
6.					
7					
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		=Total Cover			
Herb Stratum					
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21.					
22.					
		=Total Cover			
Woody Vine Stratum					
3.					
4.					
5.					
6.					
7.					

=Total Cover

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

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