WETLAND DETERMINATION DATA FORM - North Central and Northeast Region

SPP Project/Site:	City/County:	Clearwater City/County:		Sampling Date:	2015-07-09	
Enbridge Applicant/Owner:			Minnesota		CL005h2U	
ACM/LEB			State:	Sampling Point:		
Investigator(s):		Secti	ion, Township, Range:			
talf Landform (hillslope, terrace, etc.):		_	Local Relief (concave, co	Conve nvex, none):	0-2 Slope (%):	
Subregion (LRR or MLRA):	L	47. atitude:	7167256083 Lone	-95.55900014	Minnesota State	
Soil Map Unit Name:					on:	
Are climatic/hydrologic conditions on th	e site typical for this ti	ime of year?	lif no evolain in Remarl	/c)·	Yes	
. , .		•	• • •	•		
Are Vegetation, Soil, or Hy	/drology significa	antly disturb	ped? Are "Normal Circun	nstances" present?		
No No Are Vegetation, Soil, or Hyd	No rology naturally	problematio	? (If needed, explain ar	ny answers in Remarks)		
SUMMARY OF FINDINGS - Attach site		ing point lo	cations, transects, impor	rtant features, etc.		
Hydrophytic Vegetation Present?	No		Is the Sampled Area			
	No			No		
Hydric Soil Present?	No		within a Wetland?			
Wetland Hydrology Present?			If yes, optional Wetland Site ID:			
Remarks: (Explain alternative procedure						
The upland is an open grassland located	d between wetlands a	ind dominate	ed by big bluestem and C	Canada goldenrod.		
HYDROLOGY						
Wetland Hydrology Indicators:				Secondary Indicators (mi	nimum of two required)	
Primary Indicators (minimum of one is r	equired: check all that	t apply)		Surface Soil Cracks (B6)	
Surface Water (A1)		-Stained Leaves	s (B9)	Drainage Patterns (B		
		c Fauna (B13)	- ()	Moss Trim Lines (B16)		
Saturation (A3) Marl Depo				Dry-Season Water Table (C2)		
		gen Sulfide Odo	or (C1)	Crayfish Burrows (C8)		
		ed Rhizosphere	es on Living Roots (C3)	Saturation Visible on	Saturation Visible on Aerial Imagery (C9)	
Drift Deposits (B3) Presence of		ce of Reduced	Iron (C4)	Stunted/Stressed Plants (D1)		
Algal Mat or Crust (B4) Recent Iron		t Iron Reduction	n in Tilled Soils (C6)	Geomorphic Position	(D2)	
Iron Deposits (B5) Thin Muck Sur		luck Surface (C	7)	Shallow Aquitard (D3	Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7) Other (Expl:		(Explain in Rem	narks)	Microtopographic Re	Microtopographic Relief (D4)	
Sparsely Vegetated Concave Surface (B8	3)			FAC-Neutral Test (D5)	
Field Observations:						
Surface Water Present?	<u>No</u> Dep	pth (inches)				
Water Table Present?	<u>No</u> Dep	pth (inches)				
Saturation Present?	<u>No</u> Dep	oth (inches)		Wetland Hydrology Present?	<u>No</u>	
(includes capillary fringe)						
Describe Recorded Data (stream gauge,	monitoring well, aeria	al photos, pr	evious inspections), if av	ailable:		
Remarks:						
No indicators of wetland hydrology wer	e observed.					

VEGETATION - Use scientific names of plants.

	Absolute	Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum (Plot Size:		Species?	Status	Number of Dominant Species	
1				That Are OBL, FACW, or FAC: 0(A)	
2				Total Number of Dominant	
				2	
3		_		Species Across All Strata: (B)	
4				Percent of Dominant Species	
5				0 That Are OBL, FACW, or FAC:(A/B)	
6		_		Prevalence Index worksheet:	
7		_	<u> </u>	=	
7.	0	- Total Cover	_	Total % Cover of: Multiply by: OBL species 0.00 x 1 0	
Souther (Shark Shark are (Dlan Shark	-	_ = Total Cover			
Sapling/Shrub Stratum (Plot Size:					
1				X5	
2		_	_	UPL species 15.00 x 4 75	
3		_	_	Column Totals	
4		_		Prevalence Index = B/A = 4.1111111	
5		_		Hydrophytic Vegetation Indicators:	
6				1 - Rapid Test for Hydrophytic Vegetation	
7		_		no 2 - Dominance Test is > 50%	
	0	_ = Total Cover		$\frac{\text{no}}{}$ 3 - Prevalence Index is $\leq 3.0^1$	
Herb Stratum (Plot Size: 5 ft)				4 - Morphological Adaptations 1 (Provide	
1. Andropogon gerardii	50.00	Yes	FACU	supporting data in Remarks or on a separate sheet)	
2. Solidago canadensis	20.00	Yes	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)	
3. Ratibida columnifera	15.00	No			
4. Poa pratensis	10.00	No	FACU	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
5. Carex granularis	2.00	No	FACW	Definitions of Vegetation Strata:	
6. Taraxacum officinale	2.00	No	FACU	1	
7				Tree - Woody plants 3 in. (.76 cm) or more in diameter at breast	
8				height (DBH), regardless of height.	
9				Sapling/Shrub - Woody plants less than 3 in. DBH and greater than	
				or equal to 3.28 ft (1 m) tall.	
10		_	_	-	
11			_	Herb - All herbaeceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.	
12				-	
	99	_ = Total Cover		Woody vines - All woody vines greater than 3.28 ft in height.	
Woody Vine Stratum (Plot Size:)					
1				-	
2		_	_	Hydrophytic Vegetation	
3				Present?	
4		_	_	_	
	0	_ =Total Cover			
Remarks: (include photo numbers here or on a se	parate sheet.)				
The vegetation is dominated by big bluestem and	Canada goldenrod.				
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Sampling Point: CL005h2U

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Hydric Soil Present? No

Type:

Remarks:

Depth (inches):

The soils are silt loam over clay loam with no hydric soil indicators.