WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site: Applicant: Investigators Soil Unit:	:: I7A	L3R Enbridge NTT/BEH				Subregion		or LRR):	MLRA 56		Date: County: State:	10/01/14 Red Lake MN	
Landform:	Floodplain				Loc	cal Relief:					Sample Point:	w-151n42w4-a2	
Slope (%):	8 - 15%		Latitude: 4	17.919	987	Longitude:	-96.048	420	Datum:		1		
Are climatic/h	hydrologic co	nditions on the site	typical fo	or this	time of year				⊡Yes	□No	Section:		
Are Vegetation					isturbed?			normal circum	nstances pre	sent?	Township:		
Are Vegetation		or Hydrology						Yes	□No .		Range:	Dir:	
SUMMARY C		, ,		, ,							3		
Hydrophytic \			Y	es/					Hydric Soils	s Present?	Yes		
				Yes								etland? Yes	
Wetland Hydrology Present? Yes Is This Sampling Point Within A Wetland? Yes Remarks: The wetland is an old floodplain forest that was cleared. The area is located along a large river within an existing pipeline corridor. The vegetating												idor. The vegetation consists of	
		canary grass along						0 0		Ŭ		S .	
HYDROLOG		, ,											
		:4 (ObIIII	414l-	N 4::									
		icators (Check all	that apply	y; Mini	mum of on	e primary	or two se	econdary requi	rea):	0			
Primary:		Motor				B11 - Salt (Cruct			Secondary:	B6 - Surface S	Soil Cracks	
☐ A1 - Surface Water ☐ A2 - High Water Table													
	A3 - Saturation			□ B13 - Aquatic Fauna□ C1 - Hydrogen Sulfid							B8 - Sparsely Vegetated Concave Surface B10 - Drainage Patterns		
	B1 - Water M					C2 - Dry Se					C3 - Oxidized	Rhizospheres on Living Roots (tilled)	
	B2 - Sedimer			☐ C3 - Oxidized Rhizospheres on Living Roots (not till€☐ ☐ C4 - Presence of Reduced Iron ☐							C8 - Crayfish I		
	B3 - Drift Dep											n Visible on Aerial Imagery	
	B4 - Algal Ma B5 - Iron Dep					Other (Expl		ace			D2 - Geomorp D5 - FAC-Neu		
		on Visible on Aerial Ima	agery			Other (Exp	iaii i)					aved Hummocks (LRR F)	
	B9 - Water-S		agery							_	D7 1100011100	avea riammooko (Ertiti)	
_													
Field Observ	vations:												
Surface Water		Yes 🗆	П	Depth:		(in.)							
Water Table		Yes 🗆				(in.)			Wetland H	ydrology l	Present?	Υ	
Saturation Pr		Yes		Depth:		(in.)						_	
						. ,							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:													
Remarks:									ed on landsc	ape positio	n and hydrop	phytic vegetation present.	
Remarks:									ed on landsc	ape positio	n and hydrop	phytic vegetation present.	
Remarks:	No primary	wetland hydrology	indicators	s are p	present. We	etland hydi	rology is	assumed base		ape positio	on and hydrop	phytic vegetation present.	
Remarks: SOILS Profile Descri	No primary	wetland hydrology	indicators	s are p	oresent. We	etland hydrocator or co	rology is	assumed base e absence of in	idicators.)	ape positio	on and hydrop	phytic vegetation present.	
Remarks: SOILS Profile Descri	No primary	wetland hydrology	indicators	s are p	oresent. We	etland hydrocator or co	rology is	assumed base e absence of in	idicators.)	ape positic	on and hydrop	phytic vegetation present.	
Remarks: SOILS Profile Descri	No primary	wetland hydrology ibe to the depth ned etion, RM=Reduced Ma	indicators	s are p	oresent. We	etland hydrocator or co	onfirm the	assumed base e absence of in ore Lining, M=Matr	idicators.)	ape positic	on and hydrop	phytic vegetation present.	
Remarks: SOILS Profile Descri (Type: C=Concer	No primary	wetland hydrology ibe to the depth nere etion, RM=Reduced Ma Matrix	indicators	docume	ent the indic	etland hydicator or co	onfirm the	e absence of in ore Lining, M=Matr	idicators.)		on and hydrop		
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) NRCS Hydr	No primary iption (Description, D=Depi	wetland hydrology tibe to the depth netetion, RM=Reduced Ma Matrix Color (Moist)	eded to d	docume overed/C	ent the indicector (No. 2016) Color (No. 2016) Color (No. 2016) Cators are no. 2016)	cator or co Grains; Locat Moist)	nology is	e absence of inore Lining, M=Matr	Location	Texture	or Problematic	Remarks	
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Remarks: SOILS Profile Descri (Type: C=Concer	no primary iption (Description, D=Depl ic Soil Field A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifiec	wetland hydrology be to the depth nedetion, RM=Reduced Ma Matrix Color (Moist) Indicators (checking the color of the c	eded to d	s are p docume overed/0 % if indic	cators are n S5 - Sandy R6 61 - Stripped 62 - Loamy M 63 - Depleted	cator or co Grains; Locat Moist) ot present	months of the second of the se	e absence of inore Lining, M=Matr	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark S0 F16 - High F F18 - Reduc	For Problematicuck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression	Remarks c Soils¹ (LRR F, G, H)	
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-151n42w4-a2
VEGETATION		e non-native	species.)		
ree Stratum (Plot size: 30 ft. radius)	0/ 5			Dominance Test Workshoot
1	Species Name	% Cover	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet
1.					Number of Deminent Coscine that are ODL EACH EAC (A)
2.					Number of Dominant Species that are OBL, FACW, or FAC:(A)
3.					
4.					Total Number of Dominant Species Across All Strata: 1 (B)
5.					(4/2)
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.	<u> </u>				OBL spp. 10 x 1 = 10
	Total Cover =	0			FACW spp. 80 x 2 = 160
					FAC spp. 10
Sapling/Shrub Stratum (Plot size: 15 ft. radius)					FACU spp. 0 x 4 = 0
1.					UPL spp. 0 x 5 = 0
2.					
3.					Total 100 (A) 200 (B)
4.					
5.					Prevalence Index = B/A = 2.000
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.					X Dominance Test is > 50%
-	Total Cover =	0			X Prevalence Index is ≤ 3.0 *
			_		Morphological Adaptations (Explain) *
Herh Stratum (I	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Phalaris arundinacea	80	Υ	FACW	rrobon riyaropriyae vogetation (Explain)
2.	Carex emoryi	10	N	OBL	* Indicators of hydric soil and wetland hydrology must be
3.	Solidago gigantea	10	N	FAC	present, unless disturbed or problematic.
4.				1710	Definitions of Vegetation Strata:
5.					Definitions of Vegetation official.
6					Tree - was disclosed to (7 Com) as some in discontinuate the cont
7.					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.
8.				_	
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.
10.					Sapinig/Siriub - Wees, panerese traine in 221, regulates of resignal
11.					Herb - All herbaceous (non-woody) plants, regardless of size.
12.					TIERD - All rielinaceous (rion-woody) plants, regardless of size.
13.					
14.					Was de Viera All woods vince recording of height
15.					Woody Vines - All woody vines, regardless of height.
	Total Cover =	100	_		
· .	ratum (Plot size: 30 ft. radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present? Y
5.					
4.		-			
	Total Cover =	0			
Remarks:	The vegetation consists of a reed canary gra-	ss with gia	ınt goldeni	rod and E	mory's sedge mixed in.
Additional R	emarks:				
aa.aaaaaaaa					