## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site: Applicant: Investigators		L3R Enbridge				Subregio	o (MI DA	or I PP\	MLRA 56		Date: County: State:	10/02/14 Red Lake MN
Soil Unit: Landform:	Side slope NWI Classification:  Local Relief: VL											u-151n42w15-u1
Slope (%): Are climatic/h Are Vegetatio		nditions on the si		or this		Longitude: Ir? (If no, exp	olain in rema		Datum:	□No	Section: Township:	
Are Vegetation	on 📮 Soil OF FINDING	☐ or Hydrology						Yes	□No		Range:	Dir:
Hydrophytic \			<u>No</u> No							Is Present?	Yes nt Within A We	etland? <b>No</b>
Wetland Hyd Remarks:		sample point is lo			om the wet	land on a	slight slo	ope in a hay fie		mpiling Polit	it vvitiiii A vv	etiano? No
HYDROLOG												
Primary:	A1 - Surface A2 - High Wa A3 - Saturatio B1 - Water M B2 - Sedimen B3 - Drift Dep B4 - Algal Ma B5 - Iron Dep B7 - Inundatic B9 - Water-Si	ter Table n arks t Deposits oosits t or Crust osits n Visible on Aerial II		/; Minir		B11 - Salt (B13 - Aqua C1 - Hydro C2 - Dry Se	Crust atic Fauna gen Sulfid eason Wa red Rhizos nce of Ree fluck Surfa	e Odor ter Table spheres on Living duced Iron	ŕ		B6 - Surface S B8 - Sparsely \ B10 - Drainage C3 - Oxidized I C8 - Crayfish E C9 - Saturation D2 - Geomorph D5 - FAC-Neur	Vegetated Concave Surface Patterns Rhizospheres on Living Roots (tilled) Burrows n Visible on Aerial Imagery hic Position
Field Observations:  Surface Water Present? Yes									Wetland H	lydrology l	Present?	<u>N</u>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  Remarks: No primary or secondary indicators of wetland hydrology were observed.												
Domarke:	No primary							if available:				
Remarks:	No primary							if available:				
SOILS Profile Descri	iption (Descri	or secondary indi	icators of we	etland ocume	hydrology ent the indic	were observator or co	erved.	e absence of in				
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SOILS Profile Descri	iption (Descri	or secondary indi	icators of we	etland ocume	hydrology ent the indic	were observator or co	erved.	e absence of in ore Lining, M=Matr				
SOILS Profile Descri	iption (Descri	or secondary indi be to the depth n etion, RM=Reduced N	needed to do	ocume vered/C	hydrology ent the indic	were observed on constraints; Locat	erved.  onfirm the tion: PL=Pe	e absence of in ore Lining, M=Matr		Texture		Remarks
SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-16	iption (Descriptration, D=Depl	be to the depth netion, RM=Reduced Matrix Color (Moist)	needed to do	ocume overed/C	ent the indicoated Sand C	were obsc cator or co Grains; Locat Moist)	onfirm the	e absence of in ore Lining, M=Matr es Type	Location	SCL		Remarks
SOILS Profile Descri (Type: C=Concer	iption (Descri	be to the depth netion, RM=Reduced Matrix Color (Moist)	needed to do	ocume overed/C	hydrology ent the indic Coated Sand C	were observed on constraints; Locat	erved.  onfirm the tion: PL=Pe	e absence of in ore Lining, M=Matr	ix)			Remarks
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SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-16 16-22  NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydrogel A9 - 1 cm Mu	be to the depth netion, RM=Reduced Matrix  Color (Moist)  2/1  4/2  Indicators (Color ipedon in Sulfide Layers (LRR F) ck (LRR FGH)	icators of we leeded to do Matrix, CS=Cov	ocumee % % 1100 98 F F F F F F F F F F F F F F F F F F	Color (Note: 10 to	Moist)  3/6  ot present  edox Matrix ucky Mineral leyed Matrix ark Surface	months and the served.  Mottle  %  2  tt):	e absence of in ore Lining, M=Matr es Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduc	ced Vertic Parent Material	C Soils <sup>1</sup> (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73)
SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-16 16-22  NRCS Hydr	ption (Descrintration, D=Deplementation, D=Deple	be to the depth netion, RM=Reduced Matrix  Color (Moist)  2/1  4/2  Indicators (Colipedon Stice and Sulfide Layers (LRR F) ck (LRR FGH) deleaded North Surface Locky Mineral Lucky Peat or Peat (Lcky Peat	icators of we needed to do	ocumendoc	Color (N  Color (N  Lue_10YR  Cators are n  Color Sandy Re  Co	Moist)  3/6  and present dedox Matrix	months of the served.  months of the served.	e absence of in ore Lining, M=Matr es Type C	Location  M	Indicators of half of the large	luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depression ced Vertic Parent Material Shallow Dark S ain in Remarks)	C Soils¹  (LRR F, G, H)  ONS (LRR H, outside MLRA 72, 73)  Surface
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Project/Site:	L3R				Sample Point: u-151n42w15-u1
<b>VEGETATIO</b>	N (Species identified in all uppercase are	e non-native	species.)		
Tree Stratum (	Plot size: 30 ft. radius)				
	Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.					
2.					Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)
3.					
4.					Total Number of Dominant Species Across All Strata: 4 (B)
					Total Number of Dominant Species Across All Strata: 4 (B)
5.					(4.7)
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.		=			OBL spp. 0 x 1 = 0
		0			FACW spp. 5 x 2 = 10
	Total Cover =		_		FACW Spp. 5 X 2 - 10
					FAC spp. 0 x 3 = 0
	Stratum (Plot size: 15 ft. radius)				FACU spp. 65 x 4 = 260
1.	Rosa arkansana	10	Υ	FACU	UPL spp. 40 x 5 = 200
2.					
3.					Total 110 (A) 470 (B)
4.					· · · · · · · · · · · · · · · · · · ·
5.					Prevalence Index = B/A = 4.273
					Flevalence muex - D/A - 4.2/3
6.	_				
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.					Dominance Test is > 50%
	Total Cover =	10			Prevalence Index is ≤ 3.0 *
	Total Gover		_		
	D				Morphological Adaptations (Explain) *
	Plot size: 5 ft. radius)			FAOU	Problem Hydrophytic Vegetation (Explain) *
1.	Fragaria virginiana	30	Y	FACU	
2.	Bromus inermis	30	Υ	UPL	* Indicators of hydric soil and wetland hydrology must be
3.	Poa pratensis	20	Υ	FACU	present, unless disturbed or problematic.
4.	Solidago nemoralis	10	N	NI	Definitions of Vegetation Strata:
5.	Symphyotrichum ericoides	5	N	FACU	
6	Symphyotrichum lanceolatum	5	N	FACW	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.	3,11,11			171011	height (DBH), regardless of height.
				_	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
8.					
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.
10.					
11.		-			
12.					Herb - All herbaceous (non-woody) plants, regardless of size.
13.					
14.				_	Mandy Vines All woody vines recordless of height
15.					Woody Vines - All woody vines, regardless of height.
	Total Cover =	100	_		
	<u> </u>	·			
Woody Vine St	ratum (Plot size: 30 ft. radius)				
1.	,				
2.				-	
3.					Hydrophytic Vocatation Present?
					Hydrophytic Vegetation Present? N
5.					
4.					
	Total Cover =				
Remarks:	The vegetation is dominated by non-hydroph	ytic specie	es.		
		•			
-					
	Name and an a				
Additional R	kemarks:				
1					
1					