## WETLAND DETERMINATION DATA FORM Great Plains Region

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Project/Site:		L3R								Date:	10/01/14	
Applicant:	-	Enbridge								County:	Red Lake	
Investigators		NTT/BEH			Subregion	•	,	MLRA 56		State:	MN	
Soil Unit:	17A			_			Classification:	PFO1A				
Landform:	Floodplain				al Relief:					Sample Point:	w-151n42w4-a1	
Slope (%):	16 - 25%		Latitude: 47.91		Longitude:			Datum:				
Are climatic/h	nydrologic cor	nditions on the site			r? (If no, exp	olain in rema	rks)	⊡Yes	□ No	Section:		
Are Vegetation	on 🖵 Soil	☐ or Hydrology	□gnificantly	/ disturbed?		Are	normal circun	nstances pro	esent?	Township:		
Are Vegetation	on 📮 Soil	☐ or Hydrology	□turally pro	blematic?			Yes	□No		Range:	Dir:	
SUMMARY C	F FINDINGS											
Hydrophytic \	Vegetation Pr	esent?	Yes					Hydric Soi	Is Present?	Yes		
Wetland Hyd	•		Yes							t Within A We	etland? Yes	
Remarks:				ear a large riv	er and do	minated	hy green ash a				layer is very sparse	but consists
rtomanto.		ry grass and a mix		our a large m	or aria ao	minatoa	by groon don't		an onn a oo	o. The greatia	layor to vory oparoo	but concioto
LIVEROL CO		ny grado ana a mis	t or obagoo.									
HYDROLOG												
Wetland Hy	drology Indi	cators (Check all f	that apply; M	inimum of one	e primary	or two se	condary requi	red):				
Primary:									Secondary:			
	A1 - Surface V			_	B11 - Salt (					B6 - Surface S		
	A2 - High Wat				B13 - Aqua						egetated Concave Sur	face
	A3 - Saturation				C1 - Hydro							<b>5</b>
	B1 - Water Ma			☐ C2 - Dry Season Water Table ☐ ☐ C3 - Oxidized Rhizospheres on Living Roots (not tills ☐ ☐							Rhizospheres on Living	Roots (tilled)
	B2 - Sediment				C3 - Oxidiz C4 - Presei			Roots (not till		C8 - Crayfish E		200
	B3 - Drift Depo B4 - Algal Mat				C4 - Prese				□		Nisible on Aerial Image	ery
H	B5 - Iron Depo			_	Other (Expl		ce		₹			
H		า Visible on Aerial Ima	anerv		Other (Exp	iaiii)					ived Hummocks (LRR F	=)
ī	B9 - Water-Sta		ager y						_	D7 - 11031-1166	ived Hullillocks (LIXIX I	,
1												
Field Observ	vations:											
					<i>(</i> ' )							
Surface Water		_	Depth	:	(in.)			Wetland F	lydrology I	Present?	Υ	
Water Table		Yes 🔲	Depth	:	(in.)				.,		<u> </u>	
Saturation Pr	esent?	Yes 🔲	Depth	:	(in.)							
Describe Reco	orded Data (s	tream gauge monit	oring well aei	rial photos, pre	vious insp	ections)	if available:					
		tream gauge, monit						drophytic ve	agetation pr	ecent and lan	decane position	
Describe Reco		tream gauge, monit wetland hydrology i						drophytic ve	egetation pr	esent and lan	dscape position.	
Remarks:								drophytic ve	egetation pr	esent and lan	dscape position.	
Remarks:	No primary v	vetland hydrology i	indicators pre	esent. Hydrolo	ogy was d	etermine	d based on hy	. ,	egetation pr	esent and lan	dscape position.	
Remarks:  SOILS Profile Descri	No primary v	wetland hydrology i	indicators pre	esent. Hydrolo	ogy was decator or co	etermine	d based on hy	ndicators.)	egetation pr	esent and lan	dscape position.	
Remarks:  SOILS Profile Descri	No primary v	vetland hydrology i	indicators pre	esent. Hydrolo	ogy was decator or co	etermine	d based on hy	ndicators.)	egetation pr	esent and lan	dscape position.	
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## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	: L3R				Sample Point: w-151n42w4-a1
EGETATIO		re non-native	species.)		
ree Stratum	(Plot size: 30 ft. radius)				
	Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.	Fraxinus pennsylvanica	50	Y	FAC	
2.	Ulmus americana	25	Υ	FAC	Number of Dominant Species that are OBL, FACW, or FAC:6(A)
3.					
4.					Total Number of Dominant Species Across All Strata: 6 (B)
5.					( /
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.					(14D)
					Downston or Index Manhabara
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 0 x 1 = 0
	Total Cover =	75	_		FACW spp. 20 x 2 = 40
					FAC spp. 120 x 3 = 360
apling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp. 0 x 4 = 0
1.	,				UPL spp. 0 x 5 = 0
2.					··· ——
3.					Total 140 (A) 400 (B)
					1. Stall 170 (rt) 400 (D)
4.					Decelerated PA 5577
5.					Prevalence Index = B/A = 2.857
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 *
	10101 00101		_		
anh Chash as i	(Diet sines, E. ft. seedisse)				Morphological Adaptations (Explain) *
	(Plot size: 5 ft. radius)  Phalaris arundinacea	20	Y	EACM	Problem Hydrophytic Vegetation (Explain) *
1.		20		FACW	* Indicators of budgin only and watered budgeton, as at bo
2.	Elymus virginicus	15	Υ	FAC	* Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3.	Laportea canadensis	15	Υ	FAC	
4.	Pilea pumila	15	Y	FAC	Definitions of Vegetation Strata:
5.					
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
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.					- Cupinigramus /
11.					All herbaceous (non-woods) plants, recordings of cites
12.					Herb - All herbaceous (non-woody) plants, regardless of size.
13.					
14.					
15.					Woody Vines - All woody vines, regardless of height.
	Total Cover =	65			
			_		
loody Vine St	tratum (Plot size: 30 ft. radius)				
1.	( lot oile)				
2.					
					Hudranbutia Vanatatia - Burranto V
3.					Hydrophytic Vegetation Present? Y
5.					
4.				_	
	Total Cover =				
emarks:	The vegetation is dominated by green ash a	nd America	an elm in t	he tree str	ratum. The ground layer is relatively bare with reed canary grass being the most
	dominant species.				
	1 2 2 2				
	D				
dditional F	kemarks:				