## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	10/13/14	
Applicant:		Enbridge								County:	Red Lake	
Investigators:		NTT/BEH			Subregion	n (MLRA	or LRR):	MLRA 56		State:	MN	
Soil Unit:												
Landform:	Rise			Lo	cal Relief:	VV				Sample Point:	u-151n41w35-a1	
Slope (%):	0 - 2%		Latitude: 47.8	48214	Longitude:	-95.8703	383	Datum:		1		
		nditions on the site						⊡Yes	□No	Section:		
Are Vegetation	, ,	☐ or Hydrology	, ·		(,		normal circun			Township:		
Are Vegetation		or Hydrology				7410	✓ Yes	□No	COCITE:		Dir:	
			Laturally pr	Jule Halle:			<u> </u>			Range:	DII.	
SUMMARY O									- 10	.,		
Hydrophytic \			No		_				ls Present?			
Wetland Hyd			No					Is This Sai	mpling Poin	t Within A W	etland? <b>No</b>	
Remarks: The upland point is located on a rise in a tilled field with no vegetation present.												
HYDROLOG\	<b>′</b>											
		cators (Check all	that apply: M	linimum of or	o nrimary	or two se	econdary requi	red):				
Primary:		cators (Crieck all	triat apply, iv	illillilliulli ol ol	e pililary	OI LWO SE	condary requi	ieu).	Cocondon			
	A1 - Surface V	Nater .		П	B11 - Salt (	Cruet			Secondary:	B6 - Surface S	toil Cracks	
	A2 - High Wat				B13 - Aqua						Vegetated Concave Surfa	re
	A3 - Saturatio				C1 - Hydro		e Odor			B10 - Drainage		
	B1 - Water Ma				C2 - Dry Se						Rhizospheres on Living R	oots (tilled)
	B2 - Sediment	Deposits					pheres on Living	Roots (not till		C8 - Crayfish E		, ,
	B3 - Drift Dep				C4 - Prese						n Visible on Aerial Imagery	i
	B4 - Algal Mat				C7 - Thin N		ice			D2 - Geomorp		
	B5 - Iron Depo				Other (Exp	lain)				D5 - FAC-Neu		
		n Visible on Aerial Ima	agery							D7 - Frost-Hea	aved Hummocks (LRR F)	
	B9 - Water-St	ained Leaves										
Field Observ	/ations:											
Surface Water	er Present?	Yes 🔲	Deptl	1:	(in.)			\A/-4111		D	N	
Water Table	Present?	Yes $\square$	Dept	n: n:	(in.)			wetiand F	lydrology l	Present?	N	
Saturation Pr	_	Yes 🗆	Depti		(in.)							
					- ` '							
		tream gauge, monit			- ` '	ections),	if available:					
		tream gauge, monit			- ` '	ections),	if available:					
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Remarks:  SOILS Profile Descri	No wetland	hydrology indicator	rs present.	rial photos, pr	evious insp	onfirm the	e absence of ir					
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Remarks:  SOILS Profile Descri	No wetland	hydrology indicator	rs present.	rial photos, pr	evious insp	onfirm the	e absence of ir ore Lining, M=Mati					
Remarks:  SOILS Profile Descri (Type: C=Concen	No wetland	hydrology indicato be to the depth ne- etion, RM=Reduced Ma Matrix	eded to docu	ment the indi	evious insp	onfirm the tion: PL=Pc	e absence of ir ore Lining, M=Matr	ix)	Texture		Remarks	
Remarks:  SOILS Profile Descri (Type: C=Concen	No wetland ption (Descri	hydrology indicato be to the depth ne- etion, RM=Reduced Ma Matrix Color (Moist)	eded to docu atrix, CS=Covere	ment the indi	evious insp	onfirm the	e absence of ir ore Lining, M=Mati		Texture		Remarks	
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Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-6 6-21  6-21  NRCS Hydri	No wetland  ption (Descri tration, D=Deple  Hue_10YR  Hue_5Y  Hue_10YR  A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A4 - Hydroger A5 - Stratified A9 - 1 cm Mur	hydrology indicato be to the depth neetion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  2/1  2/1  Indicators (chapedon to Sulfide Layers (LRR F) ck (LRR F) de layers (LRR F) de Below Dark Surface	eded to docularix, CS=Covere  % 100 82 10 eck here if in	ment the indi ed/Coated Sand  Color ( Hue_7.5YF Hue_10YR  dicators are i  S5 - Sandy F6 S6 - Stripped J F1 - Loamy N J F2 - Loamy C J F3 - Depleted J F6 - Redox D	cator or co Grains; Local  Moist)  5/8 6/8  not presen edox Matrix Mucky Minera Sleyed Matrix I Dark Surface	monfirm the tion: PL=Pc  Mottle  %  4  4  t):	e absence of ir ore Lining, M=Matr es Type C C	Location M M	SIC SIC SIC SIC SC  Indicators f A9 - 1 cm M A16 - Coast S7 - Dark SI F16 - High F F18 - Red uc TF2 - Red P TF12 - Very	luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depression ded Vertic	C Soils¹  [LRR F, G, H)  ONS (LRR H, outside MLRA 72, 73)  Surface	
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Remarks:  SOILS Profile Descri (Type: C=Concen  Depth (In.) 0-6 6-21  6-21  NRCS Hydri	Hue_10YR Hue_5Y Hue_10YR Hue_10YR Hue_5Y  Hue_10YR Hue_5Y  Hue_10YR  Hue_10Y	hydrology indicato be to the depth neetion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  2/1  2/1  Indicators (chapedon to be a Sulfide Layers (LRR F) of Layers (LRR F) of Layers (LRR F) of Layers (LRR F) of Lender Surface ark Surface ark Surface ark Surface locky Mineral (LRF chapedon to Peat (LRF Chapedon t	eded to docularity, CS=Covere  % 100 82 10 eck here if in	ment the indi  dicoated Sand  Color (  Hue_7.5YF  Hue_10YR  Color Stripped  S6 - Sandy F  S6 - Stripped  F1 - Loamy N  F2 - Loamy C  F3 - Depleted  F6 - Redox E  F7 - Depleted  F8 - Redox E	cator or cograins; Local  Moist)  5/8 6/8  6/8  not presen  edox Matrix Mucky Minera Gleyed Matrix I Matrix ark Surface I Dark Surface I Dark Surfa	Mottle  Mottle  4  4  4  Ct):	e absence of ir	Location  M M	Indicators of half landicators of half landica	luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depression ced Vertic Varent Material Shallow Dark S ain in Remarks)	c Soils¹ (LRR F, G, H)  ONS (LRR H, outside MLRA 72, 73) Surface	t be present,
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Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-6 6-21  6-21  NRCS Hydri	No wetland  ption (Descritration, D=Depletration, D=Depletrati	hydrology indicato be to the depth neetion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  2/1  2/1  Indicators (chapedon to be a Sulfide Layers (LRR F) of Layers (LRR F) of Layers (LRR F) of Layers (LRR F) of Lender Surface ark Surface ark Surface ark Surface locky Mineral (LRF chapedon to Peat (LRF Chapedon t	eded to docularity, CS=Covere  % 100 82 10 eck here if in	ment the indi  dicoated Sand  Color (  Hue_7.5YF  Hue_10YR  Color Stripped  S6 - Sandy F  S6 - Stripped  F1 - Loamy N  F2 - Loamy C  F3 - Depleted  F6 - Redox E  F7 - Depleted  F8 - Redox E	cator or cograins; Locat  Moist)  5/8 6/8  6/8  not presen  edox Matrix Mucky Minera Bleyed Matrix I Matrix ark Surface I Dark Surfa epressions ains Depres	Mottle  Mottle  4  4  4  Ct):	e absence of ir ore Lining, M=Matr es Type C C	Location  M M R H)	Indicators of hundess disturbed	luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depression Prairie Redox ( urface (LRR G) Plains Depression Plains	c Soils¹ (LRR F, G, H)  ONS (LRR H, outside MLRA 72, 73) Surface	t be present,
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-6 6-21  6-21  NRCS Hydri	Hue_10YR Hue_10YR Hue_10YR Hue_10YR  Hue_10YR  Hue_10YR  C Soil Field  A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified A9 - 1 cm Muc A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Muc S4 - Sandy Gl	hydrology indicato be to the depth neetion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  2/1  2/1  Indicators (chapedon to be a Sulfide Layers (LRR F) of Layers (LRR F) of Layers (LRR F) of Layers (LRR F) of Lender Surface ark Surface ark Surface ark Surface locky Mineral (LRF chapedon to Peat (LRF Chapedon t	eded to docularix, CS=Covered    %   100     82     10     eck here if in	ment the indi ed/Coated Sand  Color (  Hue_7.5YF Hue_10YR  dicators are I  \$\$5 - Sandy Fi \$\$3 - Sandy Fi \$\$1 -	cator or co Grains; Local  Moist)  5/8 6/8  6/8  anot presen edox Matrix Mucky Minera Sleyed Matrix ark Surface I Dark Surfa epressions ains Depres	Mottle  Mottle  4  4  t):	e absence of ir ore Lining, M=Matr es Type C C	Location  M M	Indicators of hundess disturbed	luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depression Prairie Redox ( urface (LRR G) Plains Depression Plains	c Soils¹ (LRR F, G, H)  ONS (LRR H, outside MLRA 72, 73) Surface	t be present,

## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R			Sample Point:	u-151n41w35-a1
VEGETATION		e non-native species.)	)		
Tree Stratum (	Plot size: 30 ft. radius)				
	Species Name	% Cover Dominar	nt 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 A	Across All Strata: 0 (B)
5.					
6.				Percent of Dominant Species That Are OBL,	, FACW, or FAC: N/A (A/B)
7.					
8.				Prevalence Index Worksheet	
9.				Total % Cover of: Multiply by:	
10.				OBL spp. 0 x 1 =	0
	Total Cover =	0		FACW spp. 0 x 2 =	0
				FAC spp. 0 x 3 =	0
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)			FACU spp. 0 x 4 =	0
1.				UPL spp. 0 x 5 =	0
2.					
3.		·		Total 0 (A)	0 (B)
4.					
5.				Prevalence Index = B/A =	NA
6.				]	
7.					
8.				Hydrophytic Vegetation Indicators	s:
9.					or Hydrophytic Vegetation
10.				Dominance T	
	Total Cover =	0			ndex is ≤ 3.0 *
					al Adaptations (Explain) *
Herb Stratum (F	Plot size: 5 ft. radius)				drophytic Vegetation (Explain) *
1.	,				
2.				* Indicators of hydric so	oil and wetland hydrology must be
3.				present, unless	s disturbed or problematic.
4.				Definitions of Vegetation Strata:	
5.				1	
6				Tree - Woody plants 3	in. (7.6cm) or more in diameter at breast
7.				height (DBH), re	egardless of height.
8.				1	
9.				Sapling/Shrub - Woody plants le	ess than 3 in. DBH, regardless of height.
10.				1	
11.			-	1	
12.				Herb - All herbaceous	(non-woody) plants, regardless of size.
13.			<del></del>	1	
14.			-	1	
15.				Woody Vines - All woody vines	, regardless of height.
10.	Total Cover =	0		1	
	Total Covel -				
Woody Vine Str	ratum (Plot size: 30 ft. radius)				
1.	atom (1 lot size. oo it. radius)				
2.					
3.				Hydrophytic Vegetati	ion Present? N
5.			<del></del>	Trydrophytic vegetati	OH FIESCHE:
4.					
<del></del>	Total Cover =	0			
Remarks:	The upland point has no vegetation due to re				
Acmarks.	The apiana point has no vegetation due to re	oon inage.			
<u> </u>					
<b>.</b>					
Additional R	temarks:				