## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								8/20/14				
Applicant:		Enbridge			د د اد د د داد د	- /N/II D A	\ a=   DD\;	MIDAGO		<u> </u>	larshall			
Investigators: Soil Unit:	:   I6A	BEH/RAJ			Subregio	`	A or LRR): I Classification:	MLRA 56		State: M	IN			
Landform:	Talf			- Loc	al Relief		i Ciassilication.			Sample Point: U	-157n47w16-i2			
Slope (%):														
	climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)   ✓ Yes   No Section:													
Are Vegetation □, Soil □, or Hydrology □significantly disturbed?							e normal circum	nstances pre	esent?	Township:				
Are Vegetation		□, or Hydrology □atura	lly pro	blematic?		✓ Yes	□ No		Range:	Dir:				
	SUMMARY OF FINDINGS Hydrophytic Vegetation Present? No Hydric Soils Present? No													
Hydrophytic \	Hydric Soils Presen													
Wetland Hyd			No		41.1					nt Within A Wetla				
Remarks: The upland sample point is within a field dominated by smooth brome and common scouring-rush, located adjacent to an excavated ditch.														
HYDROLOGY	<b>V</b>													
HYDROLOGY														
		cators (Check all that app	oly; Mii	nimum of one	primary	or two se	econdary requi	red):	Casandam					
<u>Primary:</u> □	<u>rımary:</u> □ A1 - Surface Water □ B11 - Salt Crust								Secondary:	B6 - Surface Soil (	Cracks			
	A2 - High Wat				B13 - Aqua						etated Concave Surface			
	A3 - Saturation				C1 - Hydro					B10 - Drainage Pa				
	B1 - Water Ma B2 - Sediment				C2 - Dry Se		iter Table spheres on Living	Poots (not till	, ,	C3 - Oxidized Rhiz C8 - Crayfish Burr	zospheres on Living Roots (tilled)			
	B3 - Drift Dep	•					duced Iron	Roots (not till	, –		sible on Aerial Imagery			
	B4 - Algal Mat	or Crust			C7 - Thin M				_	D2 - Geomorphic I	Position			
	B5 - Iron Depo				Other (Exp	lain)				D5 - FAC-Neutral				
	B9 - Water-St	n Visible on Aerial Imagery							П	D7 - Frost-Heaved	d Hummocks (LRR F)			
J	Do Water Of	anioa Loavoo												
Field Observations:														
Surface Wate	er Present?	Yes 🗆	Depth:		(in.)			<b>VA</b> / = 41 = = 1 1 1	ll l	D				
Water Table	Present?	Yes 🗆	Depth:		(ìn.)			Wetland H	iyarology	Present? N	N			
Saturation Present? Yes Depth: (in.)														
Cataration	COOTIC.	163	Dopuii.		(1111.)									
						ections),	if available:							
	orded Data (s	tream gauge, monitoring we	ell, aeri	al photos, pre	vious insp	ections),	if available:							
Describe Reco	orded Data (s		ell, aeri	al photos, pre	vious insp	ections),	if available:							
Describe Reco	orded Data (s No primary	tream gauge, monitoring we or secondary hydrological	ell, aeri indica	al photos, pre tors were obs	vious insp served.	·								
Describe Reco Remarks: SOILS Profile Descri	orded Data (s  No primary of the pri	tream gauge, monitoring we or secondary hydrological be to the depth needed to	ell, aeri indica docun	al photos, pre tors were obs	vious insponential violential vio	onfirm the	e absence of in							
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Describe Recorded Remarks:  SOILS Profile Descripe: C=Concent  Depth (In.) 0-6 6-16 6-16	ption (Descriptration, D=Depleted Data (see No primary of the ption (Descriptration, D=Depleted DYR Hue_10YR Hue_10YR Hue_10YR Hue_10YR	tream gauge, monitoring we or secondary hydrological be to the depth needed to etion, RM=Reduced Matrix, CS=0  Matrix Color (Moist)  3/2  2/1  5/3	docun Covered % 100 95 5	al photos, pre tors were observed the indicated Sand G	vious insponential vious insponential vious insponential violet v	onfirm the	e absence of in ore Lining, M=Matr es Type	Location	SICL SIL FS					
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## WETLAND DETERMINATION DATA FORM

**Great Plains Region** 

Project/Site:	L3R				Sample Point: u-157n47w16-i2					
VEGETATION Tree Streeture	```	e non-native	species.)							
Tree Stratum (	Plot size: 30 ft. radius) Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet					
1.	<u>opeoies rearrie</u>	<u> 70 00VCI</u>	Dominant	<u>ma.otatas</u>	Dominance Test Worksheet					
2.					Number of Dominant Species that are OBL, FACW, or FAC: 1 (A)					
3.					( )					
4.					Total Number of Dominant Species Across All Strata: 2 (B)					
5.					(-)					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)					
7.					(742)					
8.					Prevalence Index Worksheet					
9.					Total % Cover of: Multiply by:					
10.					OBL spp. $0   x   1 = 0$					
	Total Cover =	0			FACW spp. 25					
	•		FAC spp. $\frac{10}{10}$ $\times 3 = \frac{30}{10}$							
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp. $\frac{15}{15}$ $\times 4 = \frac{60}{15}$					
1.					UPL spp. ${65}$ $\times$ 5 = ${325}$					
2.										
3.					Total 115 (A) 465 (B)					
4.					·					
5.					Prevalence Index = $B/A = 4.043$					
6.										
7.										
8.					Hydrophytic Vegetation Indicators:					
9.					Rapid Test for Hydrophytic Vegetation					
10.					Dominance Test is > 50%					
	Total Cover =	0			Prevalence Index is ≤ 3.0 *					
					Morphological Adaptations (Explain) *					
Herb Stratum (	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *					
1.	Bromus inermis	65	Υ	UPL						
2.	Equisetum hyemale	25	Υ	FACW	* Indicators of hydric soil and wetland hydrology must be					
3.	Solidago gigantea	10	N	FAC	present, unless disturbed or problematic.					
4.	Dactylis glomerata	5	N	FACU	Definitions of Vegetation Strata:					
5.	Phleum pratense	5	N	FACU						
6	Poa pratensis	5	N	FACU	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast					
7.					height (DBH), regardless of height.					
8.										
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.					
10.										
11.										
12.					<b>Herb</b> - All herbaceous (non-woody) plants, regardless of size.					
13.										
14.										
15.					Woody Vines - All woody vines, regardless of height.					
	Total Cover =	115								
Woody Vine St	ratum (Plot size: 30 ft. radius)									
1.										
2.										
3.					Hydrophytic Vegetation Present? N					
5.										
4.										
D	Total Cover =				-1.					
Remarks:	The sample point is dominated by smooth br	ome and c	common so	couring-ru	sn.					
Additional Remarks:										