WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R									Date:	10/10/14		
Applicant:		Enbridge									County:	Polk		
Investigators	s.	NTT/BEH				Subregion	n (MI RA	or LRR)	MLRA 56		State:	MN		
Soil Unit:	543						•	Classification:			1			
Landform:	Rise				Lo	cal Relief:		Ciassilication.			Camala Daint	4E0m20w20 a2		
				. = =							Sample Point:	u-150n39w30-a3		
Slope (%):	16 - 25%		Latitude: 4			Longitude:			Datum:					
Are climatication	/hydrologic co	onditions on the sit	te typical f	or this	time of year	ar? (If no, exp	olain in rema	arks)	⊡Yes	□ No	Section:			
Are Vegetat	ion 🛘 Soi	I ☐ or Hydrology	□anific	antly d	listurbed?		Are	e normal circun	nstances pro	esent?	Township:			
Are Vegetat		I □ or Hydrology						Yes	□No		Range:	Dir:		
SUMMARY			— Itaran	y probi	icinatio:			00			range.	DII.		
Hydrophytic				No						Is Present?				
Wetland Hyd	drology Prese	ent?	N	No					Is This Sai	mpling Poin	nt Within A We	etland? No		
Remarks:		point is located or	n a rise ius	st off a	gravel roa	d. The vec	etation i	is dominated b	v smooth br	ome and tir	mothy.			
			, .		3		,		,		,			
HYDROLOG	ξY													
Wetland Hy	vdrology Ind	icators (Check all	I that anni	lv [.] Mini	imum of on	e primary	or two se	econdary requi	red):					
Primary		icators (Oncor an	i tilat appi	y, IVIII II		c pilitially	01 1440 50	coordary requi	ica).	Secondary:				
		Mater				B11 - Salt (^ruet					oil Cracks		
☐ A1 - Surface Water ☐ A2 - High Water Table											☐ B6 - Surface Soil Cracks☐ B8 - Sparsely Vegetated Concave Surface☐ B10 - Drainage Patterns☐			
	A3 - Saturation			□ B13 - Aquatic Fauna□ C1 - Hydrogen Sulfid										
	B1 - Water M					C2 - Dry Se								
	B2 - Sedimer							spheres on Living	Poote (not till		C3 - Oxidized Rhizospheres on Living Roots (tilled) C8 - Crayfish Burrows			
	B3 - Drift Der					C4 - Presei			1100ts (Hot till			Notified the Visible on Aerial Imagery		
	B4 - Algal Ma				_	C7 - Thin M					D2 - Geomorp			
	B5 - Iron Dep					Other (Expl		ace			D5 - FAC-Neut			
		on Visible on Aerial Im	nogon/			Other (Expi	iaiii)					aved Hummocks (LRR F)		
l H		tained Leaves	nagery								DI - FIUSI-FIE	ived Hullillocks (LRR F)		
	D9 - Walei-3	lairieu Leaves												
Field Obser	rvations:													
Surface Wa	ter Present?	Yes		Depth:		(in.)								
Water Table		Yes 🗆		Depth:		(in.)			Wetland F	lydrology l	Present?	N		
Saturation F												_		
L Samiration F	resent?	Yes \square	L	Depth:		(in.)								
Outuration 1				_		. ' '								
	corded Data (stream gauge, mon	itorina wel	I. aeria		. , ,	ections).	if available:						
Describe Red		stream gauge, mon				. , ,	ections),	if available:						
		stream gauge, mon hydrology indicato				. , ,	ections),	if available:						
Describe Red Remarks:						. , ,	ections),	if available:						
Describe Red Remarks:	No wetland	hydrology indicato	ors preser	nt.	l photos, pre	evious insp	·							
Describe Red Remarks:	No wetland		ors preser	nt.	l photos, pre	evious insp	·		ndicators.)					
Describe Red Remarks: SOILS Profile Descri	No wetland	hydrology indicato	ors preser	nt. docume	I photos, pre	evious insp	onfirm the	e absence of ir						
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Describe Red Remarks: SOILS Profile Descri	No wetland	hydrology indicators ibe to the depth neletion, RM=Reduced M	ors preser	nt. docume	I photos, pre	evious insp	onfirm the	e absence of ir ore Lining, M=Matr						
Describe Red Remarks: SOILS Profile Descri (Type: C=Conce	No wetland	hydrology indicate ibe to the depth ne letion, RM=Reduced M Matrix	ors preser	nt. docume overed/0	I photos, pre ent the indi Coated Sand (evious insp cator or co Grains; Locat	onfirm the	e absence of ir ore Lining, M=Matr	ix)	Toduro		Domarka		
Describe Rec Remarks: SOILS Profile Desci (Type: C=Conce	No wetland	hydrology indicate ibe to the depth ne letion, RM=Reduced M Matrix Color (Moist)	eeded to d	docume overed/0	I photos, pre	evious insp cator or co Grains; Locat	onfirm the	e absence of ir ore Lining, M=Matr		Texture		Remarks		
Describe Red Remarks: SOILS Profile Descri (Type: C=Conce	No wetland	hydrology indicate ibe to the depth ne letion, RM=Reduced M Matrix	eeded to d	nt. docume overed/0	I photos, pre ent the indi Coated Sand (evious insp cator or co Grains; Locat	onfirm the	e absence of ir ore Lining, M=Matr	ix)	Texture FSL		Remarks		
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-150n39w30-a3		
VEGETATION	N (Species identified in all uppercase are	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: 3 (B)		
5.							
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		
	Total Cover =	0			FACW spp. 0 x 2 = 0		
	-		_		FAC spp. 0 x 3 = 0		
Sanling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. 65 x 4 = 260		
1.	Stratam (Flot 6)22. To it. radias)				UPL spp. 40 x 5 = 200		
2.							
3.					Total 105 (A) 460 (B)		
4.					15tal 100 (A) 400 (B)		
5.					Prevalence Index = P/A = 4 304		
6.					Prevalence Index = B/A = 4.381		
7.							
					Hardwards Manadathan Indiantana		
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) *		
	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *		
1.	Bromus inermis	40	Y	UPL			
2.	Elymus repens	35	Υ	FACU	* Indicators of hydric soil and wetland hydrology must be		
3.	Phleum pratense	25	Υ	FACU	present, unless disturbed or problematic.		
4.	Potentilla argentea	5	N	FACU	Definitions of Vegetation Strata:		
5.							
6					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.					Herb - All herbaceous (non-woody) plants, regardless of size.		
13.							
14.							
15.					Woody Vines - All woody vines, regardless of height.		
10.	Total Cover =	105					
	Total Cover –	100	_				
Woody Vino St	ratum (Plot size: 30 ft. radius)						
1.	ratum (1 101 SIZE. 30 II. Taulūs)						
2.				_			
3.					Hydranhytia Vagatatian Brassnta		
					Hydrophytic Vegetation Present? N		
5.							
4.				_			
D	Total Cover =	0					
Remarks:	The upland vegetation is dominated by smoo	th brome,	quack gra	iss, and til	mothy.		
Additional R	Remarks:						