WETLAND DETERMINATION DATA FORM Great Plains Region

		T	,										
Project/Site:		L3R									Date:	10/08/14	
Applicant:		Enbridge				Cultura :	/ N A I	\			County:	Pennington	_
Investigators Soil Unit:		NTT/BEH				_subregio	•	A or LRR): I Classification:	MLRA 56		State:	MN	_
Landform:	I59A Talf				Lo	cal Relief:		า บเสออแเนสแบก:	•		Sample Poin	t: u-152n43w23-l	h2
Slope (%):	0 - 2%		Latitude: 47	7.9650			-96.106		Datum:			<u>4 10211701120-1</u>	~-
_ ` ` /		nditions on the site							✓ Yes	□ No	Section:		
Are Vegetation						, , ,	1	e normal circun			Township:		
Are Vegetation		□, or Hydrology		_					□ No		Range:	Dir:	
SUMMARY C													
Hydrophytic \	Vegetation P	resent?	No)		_			Hydric Soi	ls Present?	No		
Wetland Hyd			No								nt Within A W	/etland? No	
Remarks:	The upland	point is located in	a recently t	tilled	wheat field	d; no vege	tation is	present besides	s winter whe	eat.			
HYDROLOG'	Y												
_	•	icators (Check all	that apply;	Mini	mum of or	ne primary	or two s	econdary requi	red):				
Primary:			- · ·				•	- ·		Secondary:		0 11 0 -	
	A1 - Surface					B11 - Salt					B6 - Surface		Surface
	A2 - High Wa A3 - Saturation					B13 - Aqua C1 - Hydro					B8 - Sparsely B10 - Drainag	Vegetated Concave	Sunace
	B1 - Water M					C2 - Dry S						Rhizospheres on Liv	ving Roots (tilled)
	B2 - Sedimer	t Deposits				C3 - Oxidiz	zed Rhizos	spheres on Living	Roots (not till	• -	C8 - Crayfish	Burrows	, ,
	B3 - Drift Dep							educed Iron				on Visible on Aerial In	nagery
	B4 - Algal Ma					C7 - Thin N		ace			D2 - Geomor		
	B5 - Iron Dep B7 - Inundation	osits on Visible on Aerial Im	nagerv		П	Other (Exp	nall I)					utrai Test eaved Hummocks (LF	RR F)
		tained Leaves	.agai y							J	<i>□</i> . 1103€116	LI	,
Field Observ	vations:												
Surface Wate	er Present?	Yes □	De	epth:		_ (in.)			Wotlond	lydrology	Drocont?	N	
Water Table	Present?	Yes □		epth: _		_ (in.)			vvetiana F	lydrology	rresent?	N —	
Saturation Pr	resent?	Yes □	De	· epth:		– (in.)							
_						_ (,							
Describe Rece	orded Data (s	stream gauge, moni	itorina well.		l photos, pr	<u> </u>	pections)	if available:					
		stream gauge, monit		aerial	l photos, pr	<u> </u>	pections),	, if available:					
Describe Reco		stream gauge, monit hydrology indicato		aerial	l photos, pr	<u> </u>	pections),	, if available:					
Remarks:				aerial	l photos, pr	<u> </u>	pections),	, if available:					
Remarks: SOILS Profile Descri	No wetland	hydrology indicato	ors present.	aerial	ent the ind	evious insp	onfirm th	e absence of in					
Remarks: SOILS Profile Descri	No wetland	hydrology indicato	ors present.	aerial	ent the ind	evious insp	onfirm th	e absence of in					
Remarks: SOILS Profile Descri	No wetland	hydrology indicato be to the depth ne etion, RM=Reduced Ma	ors present.	aerial	ent the ind	evious insp	onfirm th	e absence of in ore Lining, M=Matr					
Remarks: SOILS Profile Descri (Type: C=Concer	No wetland	hydrology indicato be to the depth ne etion, RM=Reduced Ma	eeded to do	aerial	ent the ind	evious inspired icator or co	onfirm thation: PL=P	e absence of in ore Lining, M=Matr	rix)	T		Deman	
Remarks: SOILS Profile Descri (Type: C=Concer	No wetland	hydrology indicato be to the depth netion, RM=Reduced Ma Matrix Color (Moist)	eeded to do	aerial	ent the ind	evious inspired icator or co	onfirm th	e absence of in ore Lining, M=Matr		Texture		Remarks	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-16	No wetland iption (Descriptration, D=Depl	hydrology indicato be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1	eeded to do	aerial	ent the ind	evious inspired icator or co	onfirm thation: PL=P	e absence of in ore Lining, M=Matr	rix)	Texture		Remarks	
Remarks: SOILS Profile Descri (Type: C=Concer	No wetland	hydrology indicato be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1	eeded to do	aerial	ent the ind	evious inspired icator or co	onfirm thation: PL=P	e absence of in ore Lining, M=Matr	rix)		abundant gravel	Remarks	
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-16	No wetland iption (Description, D=Depl	hydrology indicato be to the depth neetion, RM=Reduced Ma Matrix Color (Moist) 2/1 6/4	eeded to do	aerial cume rered/C	ent the indicated Sand Color (evious inspectator or configurations; Local	onfirm thation: PL=P	e absence of in ore Lining, M=Matr	rix)	SCL		,	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-16 16-22 NRCS Hydr	No wetland iption (Description, D=Deplementation, D=Deplementation) Hue_10YR Hue_10YR	hydrology indicato be to the depth neetion, RM=Reduced Ma Matrix Color (Moist) 2/1 6/4	eeded to do atrix, CS=Cov	aerial cume rered/C	ent the indicated Sand Color (cator or configurations; Local	onfirm thation: PL=P	e absence of in Pore Lining, M=Matr es Type	Location	SCL S	for Problemat	ic Soils¹	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-16 16-22 NRCS Hydr	No wetland Iption (Description, D=Depl Hue_10YR Hue_10YR Hue_10YR A1- Histosol	hydrology indicato be to the depth netion, RM=Reduced Ma Matrix Color (Moist) 2/1 6/4 Indicators (ch	eeded to do atrix, CS=Cov	aerial cume rered/C % 00 00 indic	ent the indicoated Sand Color (cators are	evious inspections (Cator or configurations) Moist) not presented (Cator or configurations)	onfirm thation: PL=P	e absence of in Pore Lining, M=Matr es Type	Location	SCL S Indicators 1 A9 - 1 cm M	for Problemat fuck (LRR I, J)	ic Soils ¹	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-16 16-22 NRCS Hydr	No wetland iption (Description, D=Depl Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep	hydrology indicato be to the depth netion, RM=Reduced Matrix Color (Moist) 2/1 6/4 Indicators (chain)	eeded to do atrix, CS=Cov	aerial cume rered/C	Color (Coated Sand) Color (Color (Color Sand) Cators are (Color Sand) Cators are (Color Sand)	mot presented Matrix	onfirm the ation: PL=P	e absence of in Pore Lining, M=Matr es Type	Location	Indicators 1 A9 - 1 cm M A16 - Coast	for Problemat luck (LRR I, J) Prairie Redox	ic Soils ¹ (LRR F, G, H)	
Remarks: 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	hydrology indicato be to the depth netion, RM=Reduced Ma Matrix Color (Moist) 2/1 6/4 Indicators (chaine)	eeded to do atrix, CS=Cov	aerial cume ered/C 00 00 indic	Color (Color (Co	cator or configurations; Local Moist) Moist) not present Redox Matrix Mucky Miner	monfirm the stion: PL=P Mottl % nt):	e absence of in Pore Lining, M=Matr es Type	Location	Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S	for Problemat fuck (LRR I, J) Prairie Redox urface (LRR G	ic Soils ¹ (LRR F, G, H)	72. 73)
Remarks: 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 - Hydroge	hydrology indicato be to the depth netion, RM=Reduced Ma Matrix Color (Moist) 2/1 6/4 Indicators (chain)	eeded to do atrix, CS=Cov	aerial cume ered/C % 00 00 indic	Color (Color (Co	mot presented Matrix Mucky Miner Gleyed Matrix	monfirm the stion: PL=P Mottl % nt):	e absence of in Pore Lining, M=Matr es Type	Location	Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S	for Problemat fuck (LRR I, J) Prairie Redox urface (LRR G	ic Soils ¹ (LRR F, G, H)	72, 73)
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-16 16-22 NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete	hydrology indicato be to the depth netion, RM=Reduced Matrix Matrix Color (Moist) 2/1 6/4 Indicators (chaine) ipedon stic in Sulfide Layers (LRR F) ck (LRR FGH) ded Below Dark Surface	eeded to do atrix, CS=Cov	aerial cume rered/C 00 00 indic	Color (Color (Co	mot present Mucky Miner Gleyed Matrix Dark Surfaced Dark S	monfirm the Mottle % Intion: PL=P Mottle % Intion: PL=P	e absence of in Pore Lining, M=Matr es Type	Location	Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very	for Problemat fuck (LRR I, J) Prairie Redox urface (LRR G Plains Depress ced Vertic Parent Material Shallow Dark	ic Soils ¹ (LRR F, G, H)) ions (LRR H, outside MLRA 7	72, 73)
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site	: L3R				Sample Point: u-152n43w23-b2
VEGETATIO	(Species identified in all uppercase are	e non-native	species.)		
Tree Stratum	(Plot size: 30 ft. radius)				
	Species Name	% Cover	<u>Dominant</u>	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: 1 (B)
					Total Number of Dominant Species Across All Strata(D)
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 $\times 1 = 0$
	Total Cover =	0			$\frac{1}{1}$ FACW spp. $\frac{1}{1}$ $\frac{1}$
	Total Gover =				FAC spp. 0 x 3 = 0
Capling/Chrub	Stratum (Diet aize: 45 ft radius)				OBL spp. 0
	Stratum (Plot size: 15 ft. radius)				$\begin{array}{cccccccccccccccccccccccccccccccccccc$
1.					
2.					_
3.					Total 30 (A) 150 (B)
4.					
5.					Prevalence Index = B/A = 5.000
6.					<u> </u>
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.	Triticum aestivum	30	Υ	NI	
2.			<u> </u>		* Indicators of hydric soil and wetland hydrology must be
3.					present, unless disturbed or problematic.
					·
4.					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.					-
					All harbaccous (non-woody) plants, regardless of size
12.					Herb - All herbaceous (non-woody) plants, regardless of size.
13.					\dashv
14.					
15.					Woody Vines - All woody vines, regardless of height.
	Total Cover =	30			7
	,				
Woody Vino St	stratum (Plot size: 30 ft. radius)				
	tratum (Flot size. 30 ft. radius)				_
1.					
2.					
3.					Hydrophytic Vegetation Present?N
5.					
4.					
	Total Cover =	0			
Remarks:	The vegetation is dominated by winter wheat				
rtomanto	The regulation is definitely by without threat				
Additional F	Remarks:				