## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:       L3R         Applicant:       Enbridge         Investigators:       NTT/KRG         Soil Unit:       I133A         Landform:       Depression         Slope (%):       0 - 2%         Latit       Are climatic/hydrologic conditions on the site typ         Are Vegetation       □ Soil       □, or Hydrology         Are Vegetation       □ Soil       □, or Hydrology         SUMMARY OF FINDINGS       Hydrophytic Vegetation Present?         Wetland Hydrology Present?	Local Relief: CL de: 48.4902335 Longitude: -96.82 cal for this time of year? (If no, explain in re nificantly disturbed? A	VI Classification: 24161 Datum: marks) ☑ Yes □ No are normal circumstances present? ☑ Yes □ No Hydric Soils Prese	Range: Dir:					
Wethand Hydrology Present?       Test       Test <thest< th="">       Test       Test</thest<>								
Field Observations:         Surface Water Present? Yes       Depth:       3       (in.)         Water Table Present? Yes       Depth:       (in.)       (in.)         Saturation Present? Yes       Depth:       (in.)       (in.)         Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:								
Matrix         Depth (In.)       Color (Moist)         Image: Color (Moist)       Image: Color (Moist) <tr< td=""><td>Motor       %     Color (Moist)       %</td><td>tles Type Location Textu</td><td>ure Remarks</td></tr<>	Motor       %     Color (Moist)       %	tles Type Location Textu	ure Remarks					

NPCS Hydric Soil Field Indicators (check here if indicators are not present).

NRCS Hydr	ic Soil Field Indicators (check here i	f indicators are not present):	]
	<ul> <li>A1- Histosol</li> <li>A2 - Histic Epipedon</li> <li>A3 - Black Histic</li> <li>A4 - Hydrogen Sulfide</li> <li>A5 - Stratified Layers (LRR F)</li> <li>A9 - 1 cm Muck (LRR FGH)</li> <li>A11 - Depleted Below Dark Surface</li> <li>A12 - Thick Dark Surface</li> <li>S1 - Sandy Muck Mineral</li> <li>S2 - 2.5 cm Mucky Peat or Peat (LRR G, H)</li> </ul>	<ul> <li>S5 - Sandy Redox</li> <li>S6 - Stripped Matrix</li> <li>F1 - Loamy Muck Mineral</li> <li>F2 - Loamy Gleyed Matrix</li> <li>F3 - Depleted Matrix</li> <li>F6 - Redox Dark Surface</li> <li>F7 - Depleted Dark Surface</li> <li>F8 - Redox Depressions</li> <li>F16 - High Plains Depressions (MLR.</li> </ul>	Indicators for Problematic Soils <sup>1</sup> □       A9 - 1cm Muck (LRR I, J)         □       A16 - Cost Prairie Redox (LRR F, G, H)         □       S7 - Dark Surface (LRR G)         □       F16 - High Plains Depressions (LRR H, outisde MLRA 72, 73)         □       F18 - Reduced Vertic         □       TF2 - Red Parent Material         □       TF12 - Very Shallow Dark Surface         ☑       Other (Explain in Remarks)
	S3 - 5 cm Mucky Peat or Peat (LRR F) S4 - Sandy Gleyed Matrix		<sup>1</sup> Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
Restrictive Layer	Type:	Depth:	Hydric Soil Present? Y
Remarks:	Soils could not be sampled due to the lo hydrophytic vegetation.	ocation within a roadside ditch. Soils a	are assumed to be hydric based on the landscape position and dominance of

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Project/Site:	L3R				Sample Point: w-158n48w22-c1
	· · ·	e non-native	species.)		
Tree Stratum	(Plot size: 30 ft. radius) <u>Species Name</u>	<u>% Cover</u>	Dominant	Ind.Status	Dominance Test Worksheet
1.		<u>/// Cover</u>	Dominant	<u>ma.otatus</u>	
2.					Number of Dominant Species that are OBL, FACW, or FAC: 1 (A)
3.					
4.	·				Total Number of Dominant Species Across All Strata: 1 (B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: <b>100.0%</b> (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. $\frac{80}{2}$ x 1 = $\frac{80}{2}$
	Total Cover = _	0	_		FACW spp. 10 $X Z = 20$
Sopling/Shrub	Stratum (Diat aiza: 15 ft. radius)				FACW spp.       10       x $2 =$ 20         FAC spp.       5       x $3 =$ 15         FACU spp.       0       x $4 =$ 0
1.	Stratum (Plot size: 15 ft. radius)				$\begin{array}{cccccccccccccccccccccccccccccccccccc$
2.					
3.					Total <mark>95</mark> (A) <b>115</b> (B)
4.					
5.					Prevalence Index = $B/A = $ <b>1.211</b>
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.		0			X Dominance Test is > 50%
	Total Cover =_	0			$X = Prevalence Index is \le 3.0 *$
					Morphological Adaptations (Explain) *
Herb Stratum (	Plot size: 5 ft. radius) Carex pellita	80	V	OBL	Problem Hydrophytic Vegetation (Explain) *
2.	Phragmites australis	10	N	FACW	* Indicators of hydric soil and wetland hydrology must be
3.	Apocynum cannabinum	5	N	FAC	present, unless disturbed or problematic.
4.		•			Definitions of Vegetation Strata:
5.					
6					<b>Tree -</b> Woody plants 3 in. (7.6cm) or more in diameter at breast
7.					height (DBH), regardless of height.
8.					
9.					<b>Sapling/Shrub -</b> 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.					4
14.					Woody Vines - All woody vines, regardless of height.
10.	Total Cover =	95			
		30	_		
Woodv Vine St	ratum (Plot size: 30 ft. radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present? Y
5.					
4.					
Total Cover = 0					
Remarks:					
Additional Remarks:					
I he wetland	vegetation is dominated by Carex pellita.				