WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	09/15/14	•
Applicant:		Enbridge								County:	Pennington	
Investigators		BJC/RAJ			_Subregio	•	A or LRR):	MLRA 56		State:	MN	
Soil Unit:	169A						I Classification	:			454 44 00 4	
Landform:	Depression		1 11 1 10 14		cal Relief:		2077			Sample Point	w-154n44w33-c1	
Slope (%):	0 - 2%		Latitude: 48.1		Longitude:			Datum:				
		nditions on the sit			al ? (If no, exp	1		☑ Yes	□ No	Section:		
Are Vegetati		□, or Hydrology	•			AI	e normal circur ☑ Yes	nstances pro □ No	esent?	Township:	Dim	
Are Vegetati SUMMARY		□, or Hydrology	Liaturally pro	blemauc?				□ I N O		Range:	Dir:	
	Vegetation P		Yes					Hydric Soi	ls Present?	Vec		
	drology Prese		Yes		_					t Within A W	etland? Yes	
Remarks:				ted by woolly	v sedne an	d comm	on snike-rush				ithin an old field. All we	etland
Tromants.	parameters		saaow aomina	ted by Weens	y souge an	ia comin	on spike rush.	it is located	iii a siigiit c	acpression w	itiliii aii ola iiola. 7tii we	,tiaria
HYDROLOG	•	are met.										
		icators (Check all	I that apply: M	inimum of or	ne nrimary	or two s	econdary requi	rod):				
Primary	•	icators (Check an	i tilat apply, ivi		ie primary	OI TWO S	econdary requi	reu).	Secondary:			
<u>- 1111121 y</u>	 A1 - Surface '	Water			B11 - Salt	Crust				B6 - Surface S	Soil Cracks	
	A2 - High Wa				B13 - Aqua						Vegetated Concave Surface	ce
	A3 - Saturation				C1 - Hydro					B10 - Drainage		t - (t!lll)
	B1 - Water M B2 - Sedimen				C2 - Dry S		ater Table spheres on Living	Poots (not till	, 0	C3 - Oxidized C8 - Crayfish I	Rhizospheres on Living Ro	ots (tilled)
	B3 - Drift Dep	•					educed Iron	Noots (not till	, –	•	n Visible on Aerial Imagery	/
✓	B4 - Algal Ma				C7 - Thin N				✓	D2 - Geomorp	0 1	
	B5 - Iron Dep				Other (Exp	olain)			☑	D5 - FAC-Neu		
		on Visible on Aerial Im tained Leaves	nagery							D7 - Frost-Hea	aved Hummocks (LRR F)	
	be - water-s	lailleu Leaves										
Field Obser	vations:											
Surface Wat		Yes 🗆	Depth	:	(in.)						.,	
Water Table		Yes	Depth		– (in.)			Wetland F	lydrology l	Present?	Υ	
Saturation P		Vac 🗆	•		- : :						_	
Catalation		Yes □	Depth	:	(in.)							
			<u> </u>		<u> </u>	ections)	if available:					
Describe Rec	corded Data (s	stream gauge, mon	itoring well, ae	ial photos, pr	evious insp			e vegetation	1			
	corded Data (s		itoring well, ae	ial photos, pr	evious insp			e vegetation	1.			
Describe Rec Remarks:	corded Data (s	stream gauge, mon	itoring well, ae	ial photos, pr	evious insp			e vegetation).			
Describe Rec Remarks: SOILS Profile Descr	corded Data (s The wetland	stream gauge, mon d shows signs of p be to the depth ne	itoring well, ael	rial photos, protein. There	evious inspired is an algal	crust su	ispended on the	ndicators.)).			
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	L3R				Sample Point: w-154n44w33-c1
					· •
VEGETATION	N (Species identified in all uppercase are	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:3(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: 100.0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Taraday Occupation
10.					OBL spp. 95 $\times 1 = 95$
10.	Total Cover =	0			Total % Cover of: Multiply by: OBL spp. 95 X 1 = 95 FACW spp. 20 X 2 = 40 FAC spp. 0 X 3 = 0 FACU spp. 5 X 4 = 20 UPL spp. 0 X 5 = 0
	10tai 00v0i = _		_		$FAC spp. \qquad 0 \qquad x 3 = 0$
Sanling/Shrub 9	Stratum (Plot size: 15 ft. radius)				FACUspp. 5 x 4 - 20
1.		15	Υ	OBL	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
2.	Salix petiolaris	10	<u> </u>	ODL	Οι L spp
3.					Total 120 (A) 155 (P)
4.					Total 120 (A) 155 (B)
					Dravalence Index D/A 4 202
5.					Prevalence Index = B/A =
6.					
7.					I budua abutia Manatatia a India tana
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.					X Dominance Test is > 50%
	Total Cover = _	15	_		X Prevalence Index is ≤ 3.0 *
					Morphological Adaptations (Explain) *
Herb Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Carex pellita	40	Υ	OBL	
2.	Eleocharis palustris	30	Υ	OBL	* Indicators of hydric soil and wetland hydrology must be
3.	Stachys tenuifolia	10	N	FACW	present, unless disturbed or problematic.
4.	Poa palustris	5	N	FACW	Definitions of Vegetation Strata:
5.	Lycopus asper	5	N	OBL	
6	Symphyotrichum lanceolatum	5	N	FACW	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.	Persicaria amphibia	5	N	OBL	height (DBH), regardless of height.
8.	Cirsium arvense	5	N	FACU	
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.
10.					
11.					
12.	\ <u></u>				Herb - All herbaceous (non-woody) plants, regardless of size.
13.					
14.					
15.					Woody Vines - All woody vines, regardless of height.
10.	Total Cover =	105			1100ay 111100
	rotal Cover = _	105	_		
Monday Vince Of	rotum (Diet eine 20 ft madica)				
	ratum (Plot size: 30 ft. radius)				
1.					
2.					Uhadha ahadia Wasadadian Baran 12
3.					Hydrophytic Vegetation Present?Y
5.					
4.					
	Total Cover =	0			
Remarks:	A fresh wet meadow dominated by woolly sed	dge and co	ommon sp	ikerush wi	th a few scattered meadow willow. Hydrophytic vegetation is present.
Additional R	Remarks:				