## WETLAND DETERMINATION DATA FORM - Midwest Region

section, Township, Ranger:	Project/Site: SPP	City/Count	y: Polk			Sampling Date: 7/13/2015							
Local Relief (renown, convex, none): Correct  Joseph (No. 2)  Lastique: 47.7370782709593  Longitude: 95.5991973549593  Datum: Minnerotal State Plane North, NAD 35 (2011) U.S. f  Old May Unit Name: 1117  Nov Classification: Nov United States Plane North, NAD 35 (2011) U.S. f  Nov Vegetation	Applicant/Owner: Enbridge			State	e: Minnesota	Sampling Point: u-149n39w24-a1							
Sope (6)-2	Investigator(s): LEB/ACM	_ Secti	on, Towns	hip, Rang	ge:								
ical Map Unit Name:	Landform (hillslope, terrace, etc.): shoulder				L	cal Relief (concave, convex, none): Convex							
ical Map Unit Name:	Slope (%): 2 Latitude: 47.7170782769543	Longitude	: -95.5961	19525456	539 Datu								
The Vegetation   on Phydrology   significantly disturbed? Are "Normal Circurstances" present?     Ver Vegetation   on Injection   on Injection	Soil Map Unit Name: 1117												
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.  Hydrosphyse Vegetation Present? No width a Wetsand? No width a Wetsand? No width a Wetsand She ID:  Wetsand Hydroogy Present? No width a Wetsand? No width a Wetsand She ID:  Bernarks: Esplain alternative procedures here or in a separate report.)  The upland sample point is located on the shoulder of a road-lide ditch and adjacent to a road.  VEGETATION - Use scientific names of plants.  Absolute Dominant Species? Status Number of Dominants Species? Status Number of Dominants Species Intervention Status (Plot Size 30 ) No Presented of Dominants Species Intervention Species Number of Dominants Species Number of Dominants Species Intervention Number of Dominants Species Number of Number	Are climatic/hydrologic conditions on the site typical for this t	time of year? (if r	no, explain	in Rema	rks):	]							
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.  Hydrosphyse Vegetation Present? No width a Wetsand? No width a Wetsand? No width a Wetsand She ID:  Wetsand Hydroogy Present? No width a Wetsand? No width a Wetsand She ID:  Bernarks: Esplain alternative procedures here or in a separate report.)  The upland sample point is located on the shoulder of a road-lide ditch and adjacent to a road.  VEGETATION - Use scientific names of plants.  Absolute Dominant Species? Status Number of Dominants Species? Status Number of Dominants Species Intervention Status (Plot Size 30 ) No Presented of Dominants Species Intervention Species Number of Dominants Species Number of Dominants Species Intervention Number of Dominants Species Number of Number	Are Vegetation , Soil , or Hydrology significant	ly disturbed? Are	e "Normal e	Circumst	ances" present?								
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.  1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1													
Supplying to Negetation Present?   No   within a Wetland?   No   within a Wetland Site ID:     Westland Indicators   No   within a Wetland Site ID:     Westland Indicators   No     Westland Indicators   No   Westland Indicators   No   Westland Indicators   No   Westland Indic		(	,		,	,							
within a Wetland Are Department Present? No within a Wetland 37 No within a Wetland 38 No	SUMMARY OF FINDINGS - Attach site map showing	g sampling po	int locati	ons, tra	insects, impo	rtant features, etc.							
VECETATION - Use scientific names of plants.  Absolute plant sample point is located on the shoulder of a roadside ditch and adjacent to a road.  **VECETATION - Use scientific names of plants.**  Absolute Dominant Indicator Species Status Number of Dominant Power Species Status Number of Dominant Species Number of Do	Hydrophytic Vegetation Present?	No		Is the Sa	mpled Area								
VEGETATION - Use scientific names of plants.   Sampling Point: u-1496/39	Hydric Soil Present?	No	ļ	within a	Wetland?	<u>No</u>							
Sampling Point:	Wetland Hydrology Present?	No		If yes, op	tional Wetland S	ite ID:							
VEGETATION - Use scientific names of plants.  Absolute	Remarks: (Explain alternative procedures here or in a separate report.)												
Absolute   Dominant   Indicator   Species   Status   Number of Dominant Species   That Are OBL, FACW, or FAC: 0	The upland sample point is located on the shoulder of a road	Iside ditch and ac	djacent to a	a road.									
Absolute   Dominant   Indicator   Species   Status   Number of Dominant Species   That Are OBL, FACW, or FAC: 0													
Stratus   Prevalence index software   Prevalence index s	<b>VEGETATION</b> - Use scientific names of plants.					Sampling Point: u-149n39							
That Are OBL, FACU, or FAC: 0		Absolute Do		nant	Indicator	Dominance Test worksheet:							
Total Number of Dominant    Species Across All Strata;   Z   (B)	<u>Tree Stratum</u> (Plot Size: <u>30</u>	% Cover	Spec	ies?	Status	Number of Dominant Species							
Species Across All Strata: 2 (B)   Species Across All Strata: 2 (B)   Percent of Dominant Species   That Are OBL, FACW, or FAC: 0.00 (A/B)	1					That Are OBL, FACW, or FAC: 0 (A)							
Percent of Dominant Species   That Are OBL, FACW, or FAC: \( \frac{0.00}{0.00} \) (A/8)	2					Total Number of Dominant							
That Are OBL, FACW, or FAC: 0.00	3					Species Across All Strata: 2 (B)							
Prevalence Index worksheet:	4					Percent of Dominant Species							
Total & Cover of:   Multiply by:	5					That Are OBL, FACW, or FAC: 0.00 (A/B)							
OBL species   0.00   x 1   0	15	0	= Total C			Prevalence Index worksheet:							
FACW species   0.00   x2   0	Sapling/Shrub Stratum (Plot Size: 15 )												
FACU species 86.00 x 3 344  4.	1					X1							
A	2		·										
Column Totals 91 (A) 359 (B) Prevalence Index = B/A = 3.9450549  Herb Stratum (Plot Size: 5 )  1. Bromus inermis 60.00 Yes FACU	3.	-											
D   Float Cover   Prevalence Index = B/A = 3.9450549     Herb Stratum (Plot Size: 5   )	4.					_ OF Lispecies X4							
Herb Stratum (Plot Size: 5 )  1. Bromus inermis 60.00 Yes FACU 1 - Rapid Test for Hydrophytic Vegetation   1 - Rapid Test for Hydrophytic Vegetation   2 - Dominance Test is > 50%   2 - Dominance Test is > 50%   3 - Prevalence Index is ≤ 3.01   3 - Prevalence Index is ≤ 3.01   4 - Morphological Adaptations 1 (Provide supporting data in Remarks or on a separate sheet)  5. Melilotus officinalis 2.00 No FACU	3.	0	- Total Co			-   -   -   -   -   -   -   -   -   -							
Bromus inermis   60.00   Yes   FACU   1 - Rapid Test for Hydrophytic Vegetation   2 - Dominance Test is > 50%   3 - Prevalence Index is ≤ 3.0 <sup>1</sup>   3 - Prevalence Index is ≤ 3.0 <sup>1</sup>   4 - Morphological Adaptations	Herb Stratum (Plot Size: 5	<u>-</u>	_ = 10tal Ct	ovei									
2 Sonchus arvensis 2 2 Sonchus arvensis 3 Poa pratensis 5 Son No FAC 2 Sonchus arvensis 5 Son No FAC 3 - Prevalence Index is \$\leq 3.0^1 4 Asclepias syriaca 5 Melilotus officinalis 5 Melilotus officinalis 6 Ambrosia artemisiifolia 7 Sonchus arvenisiifolia 7 Sonchus arvenisiifolia 8 Sonchus arvenisiifolia 9 Sonchus arven		60.00	νως		FACII								
2.00 No FAC 3 - Prevalence Index is \$\leq 3.01  4. Asclepias syriaca 2.00 No FACU 5. Melilotus officinalis 2.00 No FACU 6. Ambrosia artemisiifolia 2.00 No FACU 7. Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  9. 9. 91 = Total Cover  Woody Vine Stratum (Plot Size: 30 )  1. 0 = Total Cover  Weemarks: (include photo numbers here or on a separate sheet.)	Sonchus arvensis												
A Sclepias syriaca A Sclepias syriaca A Melilotus officinalis A Meriosia artemisiifolia A Morosia artemisiifolia A Morophytic Vegetation 1 (Explain)  A Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  A Morosia artemisiifolia A Morosia artemisiifolia A Morophytic Vegetation Present? A Morophytic Vegetation Present? A Morophytic Vegetation Present? A Morosia artemisiifolia A Morosia artemisiifo	2				•								
Melilotus officinalis  Molilotus officinalis  Molilotus officinalis  Melilotus officinalis  Molilotus officinalis	3	_ 5.00	No		FAC	1_							
Ambrosia artemisiifolia  2.00 No FACU  Problematic Hydrophytic Vegetation 1 (Explain)  Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  9	4		No										
2.00 NO Froblematic Trydrophytic Vegetation (Explain)  1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  9	j					-							
8	0	_ 2.00	No		FACU	Problematic Hydrophytic Vegetation (Explain)							
9	7					■ 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1							
Woody Vine Stratum (Plot Size: 30)  1 2 0=Total Cover  Remarks: (include photo numbers here or on a separate sheet.)	8.					disturbed or problematic.							
Woody Vine Stratum (Plot Size: 30)  1 2 0=Total Cover  Remarks: (include photo numbers here or on a separate sheet.)	9				-	-							
Hydrophytic Vegetation Present?  1	10					-							
1		91	= Total Co	over									
1	Woody Vine Stratum (Plot Size: 30 )					Hydrophytic Vegetation Present?							
Remarks: (include photo numbers here or on a separate sheet.)	1					-							
Remarks: (include photo numbers here or on a separate sheet.)	2					-							
			=Total Co	ver									
The vegetation is dominated by smooth brome and sow thistie.						<u> </u>							
	The vegetation is dominated by smooth brome and sow this	ue.											

SOIL								Sampling Point	: <u>u-149n39</u>
Profile Descript	ion: (Describe to the depth nee	ded to docu	ment the indica	tor or confirn	n the abse	nce of indi	icators.)		
Depth	<u>Matrix</u>		<u>R</u>	edox Features	_				
(inches)	Color (moist)	<u>6</u>	Color (moist)	<u>%</u>	<u>Type<sup>1</sup></u>	Loc <sup>2</sup>	Texture	<u>Remarks</u>	
								<del></del> -	
<u> </u>								2	
	entration, D=Depletion, RM=Rec	luced Matrix	x, MS=Masked S	and Grains.				<sup>2</sup> Location: PL=Pore Lini	ng, M=Matri
Hydric Soil Indi								tors for Problematic Hydric Soil <sup>3</sup> :	
Histosol	(A1)		Sandy	Gleyed Matrix	(S4)		∐ c	Coast Prairie Redox (A16)(LRR K, L, R)	
Histic Ep	ipedon (A2)		Sandy	Redox (S5)				Dark Surface (S7) (LRR K, M)	
Black Hi	stic (A3)		Strippe	ed Matrix (S6)			☐ Ir	ron-Maganese Masses (F12) (LRR K, L, R)	
☐ Hydroge	n Sulfide (A4)		Loamy	Mucky Miner	al (F1)		□v	/ery Shallow Dark Surface (TF12)	
	d Layers (A5)			Gleyed Matri				Other (explain in remarks)	
	ick (A10)			ed Matrix (F3)				,	
				Dark Surface					
	d Below Dark Surface (A11)								
☐ Thick Da	rk Surface (A12)		☐ Deplet	ed Dark Surfa	ce (F7)				
Sandy N	lucky Mineral (S1)		☐ Redox	Depressions (	F8)				
5 cm Mu	icky Peat or Peat (S3)								
Restrictive Laye	r (if observed):								
Туре:								No	
Depth	(inches):						Hydric Soil F	Present? No	
Remarks:									
Soils could not	be sampled due to the proximit	y of buried u	tilities; soils are	assumed to b	e non-hyd	ric based t	he landscap	pe position and dominant vegetation.	
Wetland Hyd	rology Indicators:								
	ors (minimum of one is required	· chock all th	eat apply)			Soco	ndanı Indica	ators (minimum of two required)	
		, check all ti		: /D	0)	3600			
Surface W				ined Leaves (B	9)		L	Surface Soil Cracks (B6)	
☐ High Wate	er Table (A2)		☐ Aquatic Fa				L	Drainage Patterns (B10)	
Saturation	(A3)		True Aqua	tic Plants			L	Dry-Season Water Table (C2)	
Water Ma	rks (B1)		Hydrogen :	Sulfide Odor (	C1)		[	Crayfish Burrows (C8)	
Sediment	Deposits (B2)		Oxidized R	hizospheres o	n Living Ro	oots (C3)	[	Saturation Visible on Aerial Imagery (C9)	
Drift Depo	sits (B3)		Presence o	of Reduced Iro	n (C4)		[	Stunted/Stressed Plants (D1)	
Algal Mat	or Crust (B4)		Recent Iron	n Reduction ir	Tilled Soi	ls (C6)	[	Geomorphic Position (D2)	
☐ Iron Depo			Thick Mucl			-	Γ	FAC-Neutral Test (D5)	
	n Visible on Aerial Imagery (B7)		Gauge or W						
					. \				
	egetated Concave Surface (B8)		Utner (Expl	ain in Remark	5)				
Field Observati		No	Dor	ath (inches)					
Surface Water I		No		oth (inches) _					
Water Table Pro Saturation Pres		No		oth (inches) _ oth (inches) _			14/0	etland Hydrology Present?	No
includes capilla			Del	- (miches)			"	chana nyarotogy riesetti:	
	ded Data (stream gauge, monito	ring well, ae	rial photos, prev	vious inspectio	ns), if ava	ilable:			
Remarks:									
No indicators o	f wetland hydrology were obser	ved.							