WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R Ephridae								Date:	09/25/14
Applicant: Investigators	s: NTT/BEH			Subregion (MLRA or LRR): MLRA 56						County: State:	Pennington MN
Soil Unit:	I27A			NWI Classification:							
Landform:	Dip		Local Relief: CC 3.161491 Longitude: -96.366535				Dut		Sample Point	: <u>w-154n44w18-i2</u>	
Slope (%):	3 - 7%	nditions on the sit	Latitude: 48					Datum: ☑ Yes	□ No	Section:	
Are Vegetation		□, or Hydrology				1	e normal circur			Township:	
0	•	□, or Hydrology	•				☑ Yes		000111	Range:	Dir:
SUMMARY C		· · · · ·	71							5	
Hydrophytic V	Vegetation Pr	esent?	Yes	S				Hydric Soil	Is Present?	Yes	
Wetland Hyd			Yes	-						t Within A W	
Remarks:	The wetland	is a wet prairie lo	ocated in an	open mead	ow. The wetla	and vege	etation is domir	nated by woo	olly sedge a	nd giant gold	enrod.
HYDROLOGY											
Wetland Hydrology Indicators (Check all that apply; Minimum of one primary or two secondary required):											
Primary:		Motor				Ormat			Secondary:		
	 A1 - Surface Water A2 - High Water Table 				 B11 - Salt B13 - Aqua 		3			B6 - Surface S B8 - Sparselv	Vegetated Concave Surface
	A3 - Saturation	า			C1 - Hydro	ogen Sulfic	de Odor			B10 - Drainag	e Patterns
	B1 - Water Ma				□ C2 - Dry S			Booto (pot till			Rhizospheres on Living Roots (tilled)
	B2 - Sediment B3 - Drift Depo	•					spheres on Living educed Iron	ROOTS (NOT TIM		C8 - Crayfish C9 - Saturatio	n Visible on Aerial Imagery
	B4 - Algal Mat				□ C7 - Thin I				\checkmark	D2 - Geomorp	
	B5 - Iron Depo				Other (Exp	olain)				D5 - FAC-Neu	
	B7 - Inundation B9 - Water-Sta	n Visible on Aerial Im ained Leaves	hagery							טו - Frost-Hea	aved Hummocks (LRR F)
Field Observations:											
Surface Wate	er Present?	Yes 🗆	Dej	pth:	(in.)			Wetland H	lydrology	Present?	γ
Water Table		Yes 🛛		pth: <u>6</u>	(in.)			Wettand I	iyarology i	resent:	
Saturation Present? Yes Depth: 2 (in.)											
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:											
		i cam gaage, men	.				, il avallable.				
Remarks:	The wetland	is saturated at tw		-							
	The wetland			-							
SOILS Profile Descri	ption (Descrit	is saturated at two	vo inches wi	ith a high wa	ter table pres	sent at si	ix inches. he absence of in				
SOILS Profile Descri	ption (Descrit	is saturated at tw	vo inches wi	ith a high wa	ter table pres	sent at si	ix inches. he absence of in				
SOILS Profile Descri	ption (Descrit	is saturated at two oe to the depth ne etion, RM=Reduced M	vo inches wi	ith a high wa	ter table pres	onfirm th	ix inches. ne absence of in Pore Lining, M=Mat				
SOILS Profile Descri (Type: C=Concer	ption (Describ ntration, D=Deple	is saturated at two oe to the depth ne etion, RM=Reduced M Matrix	vo inches wi	ith a high wa	ter table pres	onfirm th tion: PL=P Mottl	ix inches. ne absence of in Pore Lining, M=Mat	rix)	Texture		Remarks
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	: L3R				Sample Point: w-154n44w18-i2
VEGETATIO		re non-native	species.)		
Tree Stratum	(Plot size: 30 ft. radius)				
	<u>Species Name</u>	<u>% Cover</u>	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet
1.		r			
2.		8			Number of Dominant Species that are OBL, FACW, or FAC: 2 (A)
3.					
4.					Total Number of Dominant Species Across All Strata: 2 (B)
5.		<u></u>			
6.		ļ			Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
7.					
8.					Prevalence Index Worksheet
9.		<u> </u>			Total % Cover of: Multiply by:
10.					OBL spp. $60 x 1 = 60$
1	Total Cover =	=0	_		FACW spp. 15 $X 2 = 30$
L					FACW spp. 15 x 2 = 30 FAC spp. 20 x 3 = 60 FACU spp. 10 x 4 = 40
	Stratum (Plot size: 15 ft. radius)	æ <u></u>			FACU spp. 10 $x 4 = 40$
1.	Dasiphora fruticosa	15	Y	FACW	UPL spp X 5 = 0
2.					
3.					Total <u>105</u> (A) <u>190</u> (B)
4.					
5.					Prevalence Index = B/A = <u>1.810</u>
6.					
7.					
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	60	Y	OBL	1
2.		10	N	FAC	* Indicators of hydric soil and wetland hydrology must be
3.	Solidago altissima	5	N	FACU	present, unless disturbed or problematic.
4.	Helianthus maximiliani	5	Ν	FACU	Definitions of Vegetation Strata:
5.	Zizia aurea	5	Ν	FAC	1
6	Zizia aptera	5	Ν	FAC	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.					height (DBH), regardless of height.
8.					1
9.	- <u>1</u>				Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.
10.	<u> </u>				
11.	1				4
12.					Herb - All herbaceous (non-woody) plants, regardless of size.
13.					
14.					4
14.	1				Woody Vines - All woody vines, regardless of height.
10.	Total Cover =	= 90			
		30	_		
March Mino P					
	Stratum (Plot size: 30 ft. radius)				
2.					-
3.					Hydrophytic Vegetation Present? Y
5.		ſ			
4.	Total Cover-				
Demorko	= Total Cover				
Remarks:	The wetland vegetation is dominated by woo	olly seage.			
ſ					
Additional F	Remarks:				