WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R									Date:	09/26/14	
Applicant:	<u> </u>						- /N/II D A	or I DD).	MIDAEC		County:	Pennington	
Investigators: Soil Unit:		NII/BEH				Subregior	`	or LRR):	MLRA 56		State:	MN	
Landform:	I66ANWI Classification:DepressionLocal Relief: CC											w-154n44w20-b1	
Slope (%):													
Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks) ☑ Yes ☐ No Section:													
Are Vegetation ☐ Soil ☐, or Hydrology ☐significantly disturbed? Are normal circumstances present? Township:													
Are Vegetation		, ,	□aturally	proble	ematic?			Yes	□ No		Range:	Dir:	
SUMMARY C			Va						Hydria Cail	o Drocont?	Voc		
Hydrophytic \ Wetland Hyd	_			Yes Yes				Hydric Soils Present? Yes Is This Sampling Point Within A Wetland? Yes					
Remarks:					depressiona	al area wit	hin a plo	wed farm field				on spike-rush, woolly sedge, and	
	reed canary	•											
HYDROLOG													
Wetland Hy	drology Indi	icators (Check all	that apply:	Minir	mum of one	primary	or two se	econdary requi	red):				
Primary:		(0.1.001.0.1.	,,			γ μ				Secondary:			
A1 - Surface Water						B11 - Salt (B6 - Surface S		
☑	A2 - High Wat A3 - Saturatio					B13 - Aqua C1 - Hydro		e Odor			B10 - Sparsely \	/egetated Concave Surface	
	B1 - Water Ma					C2 - Dry Se					C3 - Oxidized F	Rhizospheres on Living Roots (tilled)	
	B2 - Sedimen	•						pheres on Living	Roots (not tille		C8 - Crayfish B		
	B3 - Drift Dep B4 - Algal Mat					C4 - Presei C7 - Thin M				□ ☑	D2 - Geomorph	Visible on Aerial Imagery	
	B5 - Iron Depo	osits				Other (Expl				✓	D5 - FAC-Neut		
		n Visible on Aerial Ima	agery								D7 - Frost-Hea	ved Hummocks (LRR F)	
	B9 - Water-St	ained Leaves											
Field Observ	vations:												
Surface Wate		Yes □	De	epth:		(in.)			187 41 111				
Water Table		Yes ☑		pth:	6	(in.)			Wetland H	lydrology i	Present?	Υ	
Saturation Pr	esent?	Saturation Present? Yes Depth: 0 (in.)											
		100 _	DC	:риі. <u> </u>		(In.)							
Describe Reco	orded Data (s	stream gauge, monit					ections),	if available:					
Describe Reco	·		itoring well,	aerial	photos, pre	vious insp	ections),	if available:					
Remarks:	·	tream gauge, monit	itoring well,	aerial	photos, pre	vious insp	ections),	if available:					
Remarks:	Soils are sa	stream gauge, monit turated at the surfa	itoring well, a	aerial water	photos, pre	vious insp	·		dicators)				
Remarks: SOILS Profile Descri	Soils are sa	stream gauge, monit turated at the surfa be to the depth ne	ace with a velle	aerial water	photos, pre table at six	vious inspanded inches.	onfirm the	e absence of ir					
Remarks: SOILS Profile Descri	Soils are sa	stream gauge, monit turated at the surfa	ace with a velle	aerial water	photos, pre table at six	vious inspanded inches.	onfirm the	e absence of ir					
Remarks: SOILS Profile Descri	Soils are sa	stream gauge, monit turated at the surfa be to the depth ne	ace with a velle	aerial water	photos, pre table at six	vious inspanded inches.	onfirm the	e absence of in ore Lining, M=Matr					
Remarks: SOILS Profile Descri	Soils are sa	tream gauge, monit turated at the surfate be to the depth ne- etion, RM=Reduced Ma Matrix Color (Moist)	ace with a veded to do atrix, CS=Cov	aerial water	photos, pre table at six	vious inspanded inches. ator or contains; Locat	onfirm the	e absence of in ore Lining, M=Matr		Texture		Remarks	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8	Soils are sa ption (Descrintration, D=Deple	turated at the surfate be to the depth neterion, RM=Reduced Matrix Color (Moist) 2/1	eeded to do atrix, CS=Cov	aerial water cume ered/C	photos, pre table at six ent the indic	vious inspanded inches. ator or contains; Locat	onfirm the ion: PL=Po Mottle	e absence of in ore Lining, M=Matr	ix)	M		Remarks	
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	: L3R				Sample Point: w-154n44w20-b1
VEGETATIO		e non-native	species.)		
Tree Stratum	(Plot size: 30 ft. radius)				
	<u>Species Name</u>	% Cover	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet
1.					
2.					Number of Dominant Species that are OBL, FACW, or FAC:4(A)
3.					
4.					Total Number of Dominant Species Across All Strata: 4 (B)
5.					·`` ,
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.					Percent of Dominant Species That Are OBE, FACW, of FAC.
					Dravalance Index Werksheet
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 70
	Total Cover =	0			FACW spp. $\underline{\qquad}$ $x = \underline{\qquad}$ 80
					FAC spp.
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp. $0 x 4 = 0$
1.	Salix petiolaris	25	Υ	OBL	UPL spp. $0 X 5 = 0$
2.					
3.	<u>-</u>				Total 110 (A) 150 (B)
4.	 				(2)
<u> </u>	-				Prevalence Index – R/A – 4 264
					Prevalence Index = B/A = 1.364
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.					X Dominance Test is > 50%
	Total Cover =	25			X Prevalence Index is ≤ 3.0 *
					Morphological Adaptations (Explain) *
Herh Stratum ((Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Eleocharis palustris	25	Υ	OBL	1 Toblem Trydrophytic Vegetation (Explain)
2.	Carex pellita	20		OBL	* Indicators of hydric soil and wetland hydrology must be
			<u> </u>	FACW	present, unless disturbed or problematic.
3.	Phalaris arundinacea	20	<u> </u>		
4.	Calamagrostis canadensis	10	N N	FACW	Definitions of Vegetation Strata:
5.	Juncus arcticus	10	N	FACW	<u>_</u>
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.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size.
13.					, , , , , , , , , , , , , , , , , , , ,
14.					Mandy Minas All woody visco regardless of beight
15.					Woody Vines - All woody vines, regardless of height.
	Total Cover =	85	_		
Woody Vine St	tratum (Plot size: 30 ft. radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present? Y
5.				_	
4.					
-	Total Cover =	0			
Remarks:	The wetland is dominated by common spike-		llv sedde	and reed	canary grass.
romano.	The wedard to definitiated by continion spike	raori, woo	, Jouye,	ana 1660 (ballary grade.
Additional F	Remarks:				