WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R									Date:	09/25/14	
Applicant:				Subragion (MLDA or LDD), MLDA 56							County:	Pennington	
Investigators				Subregion (MLRA or LRR): MLRA 56						State:	MN		
Soil Unit:	I69A Depression Lo					NWI Classification:ocal Relief: LC					Sample Point: w-154n44w34-h1		
Landform: Slope (%):	0 - 2%		Latitude: 48.	1076		Longitude:		8/13	Datum:		Sample Point	W-1341144W34-111	
		onditions on the site							✓ Yes	□ No	Section:		
Are Vegetation			□significan			(II II (II II (II II)	1	e normal circun			Township:		
Are Vegetation			□aturally p	•			7 0	✓ Yes		0001111	Range:	Dir:	
SUMMARY C				0.0.0.0					- 110		i tanigor	2	
Hydrophytic '			Yes	S					Hydric Soi	ls Present?	Yes		
Wetland Hyd	•		Yes			•					nt Within A W	etland? Yes	
Remarks:			eed canary	y gras	s in a road	d ditch on	the north	side of 160th				are more like a shallow	marsh but
		nough to distinguish	-	_									
HYDROLOG													
		icators (Check all t	that apply;	Minin	num of on	e primary	or two se	econdary requi	red):				
<u>Primary</u>		\\/atau				D44 C-14	O			Secondary:		Call Oranka	
☐ A1 - Surface Water A2 - High Water Table				□ B11 - Salt Crust □ B13 - Aquatic Fauna □ C1 - Hydrogen Sulfide							 B6 - Surface Soil Cracks B8 - Sparsely Vegetated Concave Surface B10 - Drainage Patterns 		
☑	☑ A2 - High Water Table☑ A3 - Saturation												
	B1 - Water M	larks				C2 - Dry So	eason Wa	ter Table			C3 - Oxidized Rhizospheres on Living Roots (tilled)		
	B2 - Sedimer	•						spheres on Living	Roots (not till	• 🗆	C8 - Crayfish		
	B3 - Drift Dep B4 - Algal Ma					C4 - Prese C7 - Thin N		duced Iron			D2 - Geomorp	n Visible on Aerial Imagery	
	B5 - Iron Dep					Other (Exp				✓	D5 - FAC-Neu		
	B7 - Inundation	on Visible on Aerial Ima	agery				,				D7 - Frost-He	aved Hummocks (LRR F)	
	B9 - Water-S	tained Leaves											
								T					
Field Observ													
Surface Wat		Yes	•	pth:		(in.)			Wetland F	lydrology	Present?	Υ	
Water Table		Yes ☑		pth:	0	(in.)				.,		<u> </u>	
Saturation P	resent?	Yes ☑	Dep	pth:	0	(in.)							
						, ,							
Describe Rec	orded Data (stream gauge, monito	oring well, a		photos, pre	` ` `	ections),	if available:					
Describe Rec		stream gauge, monitor of the ditch the so		aerial		evious insp			e present.				
Remarks:				aerial		evious insp			e present.				
Remarks:	In the botto	m of the ditch the so	oil surface	aerial	turated. Ir	evious insp ndicators o	of wetlan	d hydrology are	•				
Remarks: SOILS Profile Descri	In the botto	m of the ditch the so	oil surface	aerial is sat	turated. Ir	evious insp ndicators o	of wetland	d hydrology are	dicators.)				
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Remarks: SOILS Profile Descri	In the botto	m of the ditch the so ibe to the depth nee letion, RM=Reduced Mat	oil surface	aerial is sat	turated. Ir	evious insp ndicators o	of wetland	d hydrology are e absence of ir ore Lining, M=Matr	dicators.)				
Remarks: SOILS Profile Descri (Type: C=Concer	In the botto	m of the ditch the so ibe to the depth nee letion, RM=Reduced Mat Matrix	oil surface eded to doc trix, CS=Cove	aerial is sat	turated. Ir	evious insp ndicators of cator or co Grains; Local	onfirm the	d hydrology are e absence of in ore Lining, M=Matr	idicators.)	Texture		Remarks	
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	In the botto	ibe to the depth needletion, RM=Reduced Materix Color (Moist) I Indicators (checking)	eded to doc	cumer ered/Co	nt the indicated Sand Color (I	evious inspondicators of cator or conficients; Locar Moist) oot presented a material conficient presented a material conficie	onfirm the tion: PL=Po	e absence of incore Lining, M=Matr	Location	Indicators 1 A9 - 1 cm M A16 - Coast	luck (LRR I, J)	c Soils¹ (LRR F, G, H)	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	In the botto In	ibe to the depth need letion, RM=Reduced Materix Color (Moist) I Indicators (checking Sulfide)	eded to doc	indica	color (Interpretation of the indicated Sand Color (Interpretation	cator or co cator or co Grains; Local Moist)	onfirm the tion: PL=Po	e absence of incore Lining, M=Matr	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F	luck (LRR I, J) Prairie Redox urface (LRR G) Plains Depressi	c Soils¹ (LRR F, G, H)	
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	In the botto In	ibe to the depth need letion, RM=Reduced Materix Matrix Color (Moist) I Indicators (check the sulfide depth and sulfide depth and sulfide depth need below Dark Surface depth need Below Dark Surface	eded to doc trix, CS=Cove	indica	color (Interpretation of the indicated Sand Sand Sand Sand Sand Sand Sand San	cator or control of presented ox Matrix lucky Mineral Matrix ark Surface Dark Surface	onfirm the tion: PL=Po	e absence of incore Lining, M=Matr	Location	Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very	fluck (LRR I, J) Prairie Redox urface (LRR G) Plains Depressiced Vertic Parent Material Shallow Dark	c Soils ¹ (LRR F, G, H) Ons (LRR H, outside MLRA 72, 73) Surface	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	In the botto In	ibe to the depth need letion, RM=Reduced Matrix Matrix Color (Moist) Indicators (check in Sulfide di Layers (LRR FGH) let (LRR FGH) let Below Dark Surface der Surface der Surface	eded to doc trix, CS=Cove	indica State Cumerered/Compared Indicate State F1 F2 F3 F6 F7 F8	color (Interpretated Sand Color (Interpretated Sand Color (Interpretated Sand Color (Interpretated Sand Sand Sand Sand Sand Sand Sand San	evious inspendicators of cator or constrains; Local Moist) ot presented with the cator of presented with the cato	onfirm the tion: PL=Po	e absence of incore Lining, M=Matr	Location	Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very	fluck (LRR I, J) Prairie Redox urface (LRR G) Plains Depressiced Vertic	c Soils ¹ (LRR F, G, H) Ons (LRR H, outside MLRA 72, 73) Surface	
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-154n44w34-h1
VEGETATION	N (Species identified in all uppercase a	are non-native	e 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:(A)
3.					
4.					Total Number of Dominant Species Across All Strata:(B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.]			
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 30
	Total Cover :	=0			FACW spp45
					FAC spp. $0 x 3 = 0$
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. $\underline{\qquad}$ $x = \underline{\qquad}$
1.					UPL spp. $0 x 5 = 0$
2.					
3.]			Total(A)(B)
4.]			
5.					Prevalence Index = B/A = 1.600
6.]			
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.					X Dominance Test is > 50%
	Total Cover :	= 0	_		X Prevalence Index is ≤ 3.0 *
					Morphological Adaptations (Explain) *
Herb Stratum (I	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Phalaris arundinacea	40	Υ	FACW	
2.	Eleocharis palustris	25	Υ	OBL	* Indicators of hydric soil and wetland hydrology must be
3.	Carex pellita	5	N	OBL	present, unless disturbed or problematic.
4.	Persicaria maculosa	5	N	FACW	Definitions of Vegetation Strata:
5.					
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.		1			
14.					
15.					Woody Vines - All woody vines, regardless of height.
10.	Total Cover :	= 75			Troody vinios
	Total Cover	= 75			
Mandy Vina Ct	rotum (Diet eizer 20 ft redius)				
1	ratum (Plot size: 30 ft. radius)				
2.					
		<u></u>			Undrambatic Variation Bracant?
3.	<u> </u>				Hydrophytic Vegetation Present? Y
5.	<u> </u>				
4.	Total Cover				
Domorto	Total Cover:			ما مامرسوما	a va a dai da ditab. I ludwambutia va gatatian ia mya a nt
Remarks:	A wet meadow dominated by reed canary g	jrass and co	ommon spi	kerusn in	a roadside ditch. Hydrophytic vegetation is present.
Additional R	Remarks:				