## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	08/21/14
Applicant:										County: State:	Marshall
Investigators:	•			Subregion (MLRA or LRR): MLRA 56							MN
Soil Unit:	<u>124A</u>						Classification	:		1	
Landform:	Talf		10.01		cal Relief:					Sample Point:	u-156n46w21-b1
Slope (%):	0 - 2%	Latitude:				-96.5843		Datum:		1	
		nditions on the site typical			ar? (If no, exp				□ No	Section:	
Are Vegetation		□, or Hydrology □signifi	,			Are	normal circun	-	esent?	Township:	
Are Vegetation		□, or Hydrology □atura	illy prob	olematic?				□ No		Range:	Dir:
SUMMARY O											
•	lydrophytic Vegetation Present?			No			Hydric Soils Present?				11 10 N
,				No			Is This Sampling Poir				
Remarks: The upland sample point is dominated by Kentucky bluegrass, quack grass, and a large bur oak. The site is adjacent to a small sedge meadow.											
HYDROLOGY	Y										
Wetland Hydrology Indicators (Check all that apply; Minimum of one primary or two secondary required):											
Primary:									Secondary:		
					B11 - Salt (			B6 - Surface S			
	A2 - High Water Table				B13 - Aqua		o Odor			B8 - Sparsely B10 - Drainage	Vegetated Concave Surface
	A3 - Saturatio B1 - Water Ma			<ul><li>□ C1 - Hydrogen Sulfide Odor</li><li>□ C2 - Dry Season Water Table</li></ul>							Rhizospheres on Living Roots (tilled)
	B2 - Sedimen				,		pheres on Living	Roots (not tille	• 🗆	C8 - Crayfish E	• • • • • • • • • • • • • • • • • • • •
	B3 - Drift Dep	•			C4 - Prese			`		•	n Visible on Aerial Imagery
	B4 - Algal Ma				C7 - Thin N		ice			D2 - Geomorp	
	B5 - Iron Dep				Other (Exp	lain)				D5 - FAC-Neu	
	B7 - Inundation	n Visible on Aerial Imagery								D7 - Frost-Hea	aved Hummocks (LRR F)
	b9 - Water-of	anied Leaves									
Field Observ	vations:										
Surface Wate		Voc. □	Donth:		(in )						
Water Table		Yes □ Yes □	Depth:		. (in.) (in.)			Wetland H	lydrology l	Present?	N
		Yes $\square$									<del>_</del>
	Saturation Present? Yes Depth: (in.)										
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:											
	<u>`</u>				evious insp	ections),	if available:				
Remarks:	<u>`</u>	stream gauge, monitoring we s of wetland hydrology are			evious insp	ections),	if available:				
Remarks:	<u>`</u>				evious insp	ections),	if available:				
Remarks:	No indicator	rs of wetland hydrology are	e prese	ent.	·	·		aliantara V			
Remarks:  SOILS Profile Descri	No indicator	be to the depth needed to	e prese	ent.	cator or co	onfirm the	e absence of ir				
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Remarks:  SOILS Profile Descri	No indicator	be to the depth needed to etion, RM=Reduced Matrix, CS=	e prese	ent.	cator or co	onfirm the	e absence of ir ore Lining, M=Matr				
Remarks:  SOILS Profile Descri (Type: C=Concen	No indicator	be to the depth needed to etion, RM=Reduced Matrix	docum	ent. nent the indi /Coated Sand (	cator or co	onfirm the tion: PL=Po Mottle	e absence of in ore Lining, M=Matr	ix)	Texture		Remarks
Remarks:  SOILS Profile Descri (Type: C=Concent	No indicator	be to the depth needed to etion, RM=Reduced Matrix  Matrix  Color (Moist)	docum Covered/	ent.	cator or co	onfirm the	e absence of ir ore Lining, M=Matr		Texture		Remarks
Remarks:  SOILS Profile Descri (Type: C=Concent	No indicator ption (Descri	be to the depth needed to etion, RM=Reduced Matrix.  Color (Moist)  2/1	docum Covered/ % 100	ent. nent the indi /Coated Sand (	cator or co	onfirm the tion: PL=Po Mottle	e absence of in ore Lining, M=Matr	ix)	L		Remarks
Remarks:  SOILS Profile Descri (Type: C=Concent	No indicator	be to the depth needed to etion, RM=Reduced Matrix.  Color (Moist)  2/1	docum Covered/	ent. nent the indi /Coated Sand (	cator or co	onfirm the tion: PL=Po Mottle	e absence of in ore Lining, M=Matr	ix)	Texture L LS		Remarks
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Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.)  0-6	No indicator ption (Descri	be to the depth needed to etion, RM=Reduced Matrix.  Color (Moist)  2/1	docum Covered/ % 100	ent. nent the indi /Coated Sand (	cator or co	onfirm the tion: PL=Po Mottle	e absence of in ore Lining, M=Matr	ix)	L		Remarks
Remarks:  SOILS Profile Descrip (Type: C=Concent)  Depth (In.)  0-6  6-21	No indicator  ption (Descriptration, D=Depletration, D=Depletration)  Hue_10YR  Hue_10YR	be to the depth needed to etion, RM=Reduced Matrix.  Color (Moist)  2/1  2/1	docum Covered/ % 100 100	ent.  nent the indi /Coated Sand (	cator or co	Mottle	e absence of in ore Lining, M=Matr es Type	ix)	L		Remarks
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Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-6 6-21  NRCS Hydri	ption (Descriptration, D=Deplementation, D=Deplementation) Hue_10YR Hue_10YR ic Soil Field	be to the depth needed to etion, RM=Reduced Matrix.  Color (Moist)  2/1  2/1	docum Covered/ % 100 100	ent the indi Coated Sand Color (I	cator or co Grains; Local Moist)	Mottle	e absence of in ore Lining, M=Matr es Type	Location	L LS	for Problematic	,
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## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-156n46w21-b1				
VEGETATIO	` ' '	e non-native	species.)						
Tree Stratum (	(Plot size: 30 ft. radius)	2/ 0			Deminance Test Werkshoot				
1	Species Name	% Cover	Dominant <b>Y</b>	Ind.Status	Dominance Test Worksheet				
1.	Quercus macrocarpa	60	<u> </u>	FACU	Number of Deminent Species that are ORL EACW or EAC:				
3.					Number of Dominant Species that are OBL, FACW, or FAC:1(A)				
4.					Total Number of Dominant Species Across All Strata: 4 (B)				
5.					Total Number of Dominant Species Across All Strata:4(B)				
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: <b>25.0%</b> (A/B)				
7.					Percent of Dominant Species that Are OBL, FACW, of FAC. 20.076 (A/B)				
8.					Prevalence Index Worksheet				
9.					Total % Cover of: Multiply by:				
10.					OBL spp. 0 $\times 1 = 0$				
10.		60			OBL spp. 0				
10tal 66vel =					FAC spp. $5$ $\times 3 = 15$				
Sapling/Shrub 9	Stratum (Plot size: 15 ft. radius)				FACU spp. 140				
1.	Populus tremuloides	5	Υ	FAC	UPL spp. $0 \times 5 = 0$				
2.	- Sparae translates								
3.					Total 145 (A) 575 (B)				
4.					(-,				
5.					Prevalence Index = B/A = 3.966				
6.									
7.									
8.					Hydrophytic Vegetation Indicators:				
9.					Rapid Test for Hydrophytic Vegetation				
10.					Dominance Test is > 50%				
	Total Cover =	5			Prevalence Index is ≤ 3.0 *				
					Morphological Adaptations (Explain) *				
Herb Stratum (	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *				
1.	Poa pratensis	60	Υ	FACU					
2.	Elymus repens	20	Υ	FACU	* Indicators of hydric soil and wetland hydrology must be				
3.					present, unless disturbed or problematic.				
4.					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.					<b>Herb</b> - All herbaceous (non-woody) plants, regardless of size.				
13.									
14.									
15.					Woody Vines - All woody vines, regardless of height.				
	Total Cover =	80							
Woody Vine St	ratum (Plot size: 30 ft. radius)								
1.									
2.									
3.					Hydrophytic Vegetation Present? N				
5.									
4.									
	Total Cover =	0							
Remarks:	Hydrophytic vegetation is not present.								
Additional Remarks:									