## WETLAND DETERMINATION DATA FORM Great Plains Region

		-										
Project/Site:		L3R								Date:	08/04/14	
Applicant:										County:	Marshall	
Investigators		KRG/BCS			_Subregio	n (MLRA (	•	MLRA 56		State:	MN	
Soil Unit:	I24A			<u> </u>			Classification					
Landform:	Shoulder				ocal Relief:		105			Sample Point:	u-155n45w17-a1	
Slope (%):	3 - 7%		Latitude: 48.			-96.4790		<u>Datum:</u>				
		onditions on the site	<u> </u>		ear? (If no, exp	1	<u> </u>		□ No	Section:		
Are Vegetation				tly disturbed?		Are	normal circun	-	esent?	Township:		
Are Vegetation			□aturally p	roblematic?			✓ Yes	□ No		Range:	Dir:	
SUMMARY C												
Hydrophytic \	•		No		_				ls Present?			
Wetland Hyd			No	<del> </del>						t Within A W		
Remarks:	The upland	point is located at	the edge of	a gravel road	and adjace	ent to a ro	adside ditch v	vetland. Veg	getation is c	dominated by	Kentucky bluegrass.	
HYDROLOG'	Υ											
Wetland Hv	drology Ind	icators (Check all	that apply:	Minimum of o	ne primary	or two sec	condarv requi	red):				
Primary:		(0.1001.011			, in printing				Secondary:			
	A1 - Surface	Water			B11 - Salt	Crust				B6 - Surface S	Soil Cracks	
	□ A2 - High Water Table				□ B13 - Aquatic Fauna					□ B8 - Sparsely Vegetated Concave Surface		
	A3 - Saturation					gen Sulfide				B10 - Drainage Patterns C3 - Oxidized Rhizospheres on Living Roots (tilled)		
	B1 - Water M B2 - Sedimer				C2 - Dry Season Water Table C3 - Oxidized Rhizospheres on Living Roots (not tille					C8 - Crayfish E		(tilled)
	B3 - Drift Dep	•				nce of Red		rtoots (not till	`		n Visible on Aerial Imagery	
	B4 - Algal Ma					Muck Surfac				D2 - Geomorp		
	B5 - Iron Dep				Other (Exp	lain)				D5 - FAC-Neu		
		on Visible on Aerial Ima	agery							D7 - Frost-Hea	aved Hummocks (LRR F)	
	B9 - Water-S	tained Leaves										
First 1 Ot and	- 4 2											
Field Observ			_		<i>(</i> , )							
Surface Water		Yes □		oth:	_ (in.)			Wetland F	lydrology l	Present?	N	
Water Table		Yes	-	oth:	_ (in.)				.,		<u> </u>	
Saturation P	resent?	Yes	Dep	oth:	_ (in.)							
Describe Rec	orded Data (	stream gauge, monit	toring well, a	erial photos, p	revious insp	ections), if	f available:					
Describe Reco					revious insp	pections), if	f available:					
		stream gauge, monit			revious insp	pections), it	f available:					
					revious insp	pections), it	f available:					
Remarks:  SOILS Profile Descri	No indicato	rs of wetland hydro	ology were o	bserved.	icator or co	onfirm the	absence of ir					
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Remarks:  SOILS Profile Descri (Type: C=Concer	No indicato	rs of wetland hydro ibe to the depth ned letion, RM=Reduced Ma Matrix	eded to doc atrix, CS=Cove	bserved. cument the incored/Coated Sand	icator or co Grains; Loca	onfirm the tion: PL=Por Mottles	absence of ir re Lining, M=Matr s	ix)				
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Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.)	No indicato  iption (Description, D=Dep  ric Soil Field  A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge	ibe to the depth ned letion, RM=Reduced Marrix  Color (Moist)  Indicators (check the color stice in Sulfide	eded to doc atrix, CS=Cove	cument the incored/Coated Sand Color	icator or co Grains; Loca (Moist) (Moist) not presen Redox d Matrix Mucky Minera Gleyed Matri	mottles  Mottles  t):	absence of in re Lining, M=Matr s Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Sc F16 - High F	luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depressio	c Soils <sup>1</sup>	
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.)	No indicato  iption (Description, D=Depintration, D=Depintrati	ibe to the depth ned letion, RM=Reduced Markix  Color (Moist)  Indicators (check the color stice in Sulfide it Layers (LRR F)	eded to docatrix, CS=Cove	cument the incored/Coated Sand Color	icator or co Grains; Loca (Moist) (Moist) not presen Redox d Matrix Mucky Mineral Gleyed Matrix d Matrix	Mottles  w tion: PL=Por	absence of in re Lining, M=Matr s Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduce	luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depressions ed Vertic	C Soils <sup>1</sup> (LRR F, G, H)	
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Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.)  NRCS Hydr	No indicato  iption (Description, D=Depintration, D=Depintrati	ibe to the depth ned letion, RM=Reduced Markix  Color (Moist)  Indicators (check the color is a col	eded to doc atrix, CS=Cove	cument the incored/Coated Sand Color	icator or co Grains; Loca (Moist) (Moist) not presen Redox d Matrix Mucky Miner Gleyed Matrix d Matrix Dark Surface d Dark Surface	mottles  Mottles  t):	absence of in re Lining, M=Matr s Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduc TF2 - Red F TF12 - Very	luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depression ed Vertic Parent Material Shallow Dark S	C Soils <sup>1</sup> (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73)	
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Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.)	No indicato  iption (Description, D=Depintration, D=Depintrati	ibe to the depth ned letion, RM=Reduced Marrix  Color (Moist)  Indicators (che letion)  Sipedon Stic (Che letion)  All Layers (LRR F) (Che let (LRR FGH))  Sinck (LRR FGH)  Sinck Surface (LRK Surface)  Sinck Surface (LRK Surface)  Sinck Surface (LRK FOH)  Sinck Surface (L	eded to docatrix, CS=Cove	cument the incored/Coated Sand Color	icator or co Grains; Loca (Moist) (Moist) not presen Redox d Matrix Mucky Mineral d Matrix Dark Surface d Dark Surface d Dark Surface	Mottles  W  tion: PL=Por	absence of ir re Lining, M=Matr s Type	Location	Indicators of A9 - 1 cm MA16 - Coast S7 - Dark S6 F16 - High F18 - Reduct TF2 - Red F1F12 - Very Other (Explain Indicators of In	luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depression red Vertic Parent Material Shallow Dark S ain in Remarks)	C Soils <sup>1</sup> (LRR F, G, H) Ons (LRR H, outside MLRA 72, 73)  Surface	present,
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## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-155n45w17-a1
VEGETATIOI	```	e non-native	species.)		
Tree Stratum (	Plot size: 30 ft. radius) Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.	<u>opedies rvaime</u>	<u> 70 00vci</u>	Dominant	<u>ma.otatus</u>	
2.					Number of Dominant Species that are OBL, FACW, or FAC: 1 (A)
3.					( )
4.					Total Number of Dominant Species Across All Strata: 2 (B)
5.					(=)
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)
7.					(7,2)
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. $0   x   1 = 0$
	Total Cover =	0			FACW spp. $\frac{20}{20}$ $\times 2 = \frac{40}{40}$
					FACW spp. 20
Sapling/Shrub \$	Stratum (Plot size: 15 ft. radius)				FACU spp. $85$ $X 4 = 340$
1.	Salix interior	5	Υ	FACW	UPL spp. ${2}$ $\times$ $5 = {10}$
2.					
3.					Total 111 (A) 402 (B)
4.					
5.					Prevalence Index = B/A = 3.622
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	80	Y	FACU	
2.	Phalaris arundinacea	15	N	FACW	* Indicators of hydric soil and wetland hydrology must be
3.	Rosa woodsii	5	N	FACU	present, unless disturbed or problematic.
4.	Cirsium flodmanii	2	N	FAC	Definitions of Vegetation Strata:
5.	Sonchus arvensis	2	N	FAC	
6	Asclepias syriaca	2	N	NI	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 =	106			
Woody Vine St	ratum (Plot size: 30 ft. radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present?N
5.					
4.					
D	Total Cover =				
Remarks:	Vegetation is dominated by Kentucky bluegra	ass.			
Additional R	Remarks:				