## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	07/29/14	
Applicant:										County:	Marshall	
Investigators		NTT/KRG			_Subregio	n (MLRA	or LRR):	MLRA 56		State:	MN	
Soil Unit:					Classification:							
Landform:	Depression				ocal Relief:					Sample Point:	w-157n47w7-b1	
Slope (%):	3 - 7%		atitude: 48.4			-96.767		Datum:				
		onditions on the site t			ar? (If no, ex			Yes	□ No	Section:		
Are Vegetation			•	ly disturbed?		Are	e normal circum	-	esent?	Township:		
Are Vegetation			⊐aturally pi	oblematic?			Yes	□ No		Range:	Dir:	
SUMMARY C												
Hydrophytic \	•		Yes		_				Is Present?		11 12 W	
Wetland Hyd			Yes		1 1 1 11 11	<u> </u>				nt Within A We	etland? <b>Yes</b>	
Remarks:	The wetlan	d is a fresh wet mead	dow locate	d within a roa	dside ditch	and don	ninated by Pha	arıs arundı	nacea.			
HYDROLOG'	Y											
Wetland Hy	drology Ind	licators (Check all th	nat apply; N	Minimum of o	ne primary	or two se	econdary requir	ed):				
<u>Primary:</u>						_			Secondary:	•		
☑ A1 - Surface Water					B11 - Salt					B6 - Surface S		
	A2 - High Wa A3 - Saturation			<ul><li>□ B13 - Aquatic Fauna</li><li>□ C1 - Hydrogen Sulfide Odor</li><li>□ □ □ □ □</li></ul>						B8 - Sparsely Vegetated Concave Surface		
	B1 - Water M									B10 - Drainage Patterns C3 - Oxidized Rhizospheres on Living Roots (tilled)		
	B2 - Sedimer			□ C2 - Dry Season Water Table □ C3 - Oxidized Rhizospheres on Living Roots (not tille □ C4 - Presence of Reduced Iron □ C7 - Thin Muck Surface □ Other (Explain)							Burrows	tillou)
	B3 - Drift Dep	•									Visible on Aerial Imagery	
	B4 - Algal Ma										hic Position	
	B5 - Iron Dep		~~ ~								ral Test	
		on Visible on Aerial Imag Itained Leaves	gery						Ц	D7 - Frost-nea	ved Hummocks (LRR F)	
	Do Water C	tailed Leaves										
Field Observ	vations:											
Surface Wate		Yes ☑	Dep	th: 1	(in.)							
Water Table		Yes	Dep		– (iii.)			Wetland F	lydrology l	Present?	Υ	
Saturation Pr		Yes $\square$	Dep		– (in.)						<del></del>	
		163 =	Бер	····	_ ("".)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:												
							if available:					
Remarks:		stream gauge, moniton the wetland had sta					if available:					
Remarks:							if available:					
Remarks:	Areas withi	n the wetland had sta	anding wat	er that was al	oout an inc	h deep.		dicators )				
Remarks:  SOILS Profile Descri	Areas withi	n the wetland had sta	anding wat	er that was alument the inc	oout an inc	h deep.	e absence of in					_
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Remarks:  SOILS Profile Descri	Areas withi	n the wetland had sta ibe to the depth need letion, RM=Reduced Matri	anding wat	er that was al	oout an inc	h deep. onfirm the	e absence of in ore Lining, M=Matri					
Remarks:  SOILS Profile Descri (Type: C=Concer	Areas withi	n the wetland had startle to the depth need letion, RM=Reduced Matrix	anding wat ded to doc ix, CS=Cover	er that was all ument the incomed coated Sand	icator or co	h deep.  onfirm the tion: PL=Po	e absence of in ore Lining, M=Matri	x)	Texture		Remarks	
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Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.)	Areas withing the property of	ibe to the depth needletion, RM=Reduced Matrix Color (Moist)	ded to doc	ument the inded/Coated Sand Color Color	icator or co Grains; Loca (Moist)	h deep.  onfirm the tion: PL=Po	e absence of in ore Lining, M=Matri es Type	Location	Indicators f	for Problematic		
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.)  NRCS Hydr	Areas within the iption (Description (Description), Dependent of the interest	the wetland had stated to the depth need letion, RM=Reduced Matrix  Matrix  Color (Moist)  I Indicators (checking)	ded to doc	ument the inded/Coated Sand Color Color adicators are	icator or co Grains; Loca (Moist) not presen	h deep.  onfirm the tion: PL=Po	e absence of in ore Lining, M=Matri es Type	Location	Indicators f A9 - 1 cm M	luck (LRR I, J)	: Soils <sup>1</sup>	
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## WETLAND DETERMINATION DATA FORM

**Great Plains Region** 

Project/Site	: L3R				Sample Point: w-157n47w7-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:(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: 100.0% (A/B)
7.					(742)
8.					Prevalence Index Worksheet
					4
9.					Total % Cover of: Multiply by:
10.					OBL spp. $\frac{35}{1}$ X 1 = $\frac{35}{1}$
	Total Cover =	0	FACW spp. $_{65}$ $_{x}$ 2 = $_{130}$		
					OBL spp. 35
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp. $\underline{\qquad \qquad 0 \qquad \qquad }  \text{x}  4 = \underline{\qquad \qquad 0 \qquad }$
1.					UPL spp.
2.		_			
3.					Total 100 (A) 165 (B)
4.					``
5.					Prevalence Index = B/A = 1.650
6.					1 101dionio indox = D/Y =
	_				
7.					H. Land, Ca Was stadion to Pasta as
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	(Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Phalaris arundinacea	60	Υ	FACW	1 Toblem Trydrophytic Vegetation (Explain)
2.				OBL	* Indicators of hydric soil and wetland hydrology must be
	Typha angustifolia	35	<u> </u>		present, unless disturbed or problematic.
3.	Rumex stenophyllus	5	N	FACW	·
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.					
					Libraria All horhococus (non woody) plants, regardless of size
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 =	100			
			_		
Woody Vino S	stratum (Plot size: 30 ft. radius)				
	Tratum (Flot size. 30 ft. radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present?Y
5.					
4.					
	Total Cover =	0			
Remarks:	The wetland vegetation is dominated by Phal		inacea. Ar	eas withir	the wetland have been mowed.
	The second regions to be seen and a second region of the second regions and the second region of the second region region of the second				
	_				
Additional I	Remarks:				
				·	