## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	06/23/14						
Applicant:							County:	Marshall									
Investigators	•				_Subregio	•	State:	MN									
Soil Unit:	I133A			<u>.</u>			I Classification:	:		Wetland ID:							
Landform:	Shoulder		10.10		cal Relief:		1004			<del>- </del>	u-158n48w15-a1						
Slope (%):	3 - 7%		ide: 48.499		Longitude:			<u>Datum:</u>		Community II	D:						
		nditions on the site typi			ar'? (If no, ex				□ No	Section:							
Are Vegetation			-	disturbed?		Are	e normal circun	•	esent?	Township:							
Are Vegetation			urally prob	olematic?			✓ Yes	□ No		Range:	Dir:						
SUMMARY C																	
Hydrophytic '	•	No		_				s Present?		( )							
	drology Prese		No		<del></del>			Is This Sar	mpling Poin	nt Within A W	/etland? <b>No</b>						
Remarks: The upland point is located adjacent to a gravel road and is dominated by graminoids.																	
HYDROLOG	Y																
Wetland Hy	drology Ind	icators (Check all that	apply; Mir	nimum of on	e primary	or two se	econdary requi	red):									
Wetland Hydrology Indicators (Check all that apply; Minimum of one primary or two secondary required):  Primary: Secondary:																	
	A1 - Surface				B11 - Salt					B6 - Surface S							
	A2 - High Wa				B13 - Aqua						Vegetated Concave Surface						
	A3 - Saturation B1 - Water M				C1 - Hydro C2 - Dry S	le Patterns nizospheres on Living Roots (tilled)											
	B2 - Sedimen						spheres on Living	Roots (not tille	<b>€</b> □	C8 - Crayfish							
	B3 - Drift Dep	•					duced Iron	rioto (riot illi	`	•	on Visible on Aerial Imagery						
	B4 - Algal Ma	t or Crust			C7 - Thin N	Muck Surfa	ace			D2 - Geomorp	ohic Position						
	B5 - Iron Dep				Other (Exp	lain)				D5 - FAC-Neu							
	B7 - Inundation	n Visible on Aerial Imagery	1							D7 - Frost-He	aved Hummocks (LRR F)						
	by - water-Si	ained Leaves															
Field Obser	vations:																
		V	D (1		(i.e. \												
Surface Wat		Yes	Depth:		_ (in.)			Wetland H	lydrology l	Present?	N						
Water Table		Yes	Depth:		_ (in.)						<del></del>						
Saturation P	resent?	Yes ⊔	Deptn:		- (III. <i>)</i>		Saturation Present? Yes   Depth: (in.)										
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:																	
Describe Rec	orded Data (s	stream gauge, monitoring	g well, aeria	al photos, pr	evious insp	ections),	if available:										
Remarks:	·	stream gauge, monitoring rs of wetland hydrology	<u> </u>		evious insp	ections),	if available:										
	·		<u> </u>		evious insp	ections),	if available:										
Remarks:	No indicato	rs of wetland hydrology	were obs	erved.	·	,											
Remarks:  SOILS Profile Descri	No indicato	be to the depth needed	were obs	erved.	cator or co	onfirm th	e absence of ir										
Remarks:  SOILS Profile Descri	No indicato	rs of wetland hydrology	were obs	erved.	cator or co	onfirm th	e absence of ir										
Remarks:  SOILS Profile Descri	No indicato	be to the depth needed	were obs	erved.	cator or co	onfirm the	e absence of ir ore Lining, M=Matr										
Remarks:  SOILS Profile Descri (Type: C=Concer	No indicato	be to the depth needed etion, RM=Reduced Matrix, C	were obsolute to docume CS=Covered	erved.  nent the indi /Coated Sand	cator or co	onfirm the	e absence of inore Lining, M=Matr	ix)	T t		Danasaka						
Remarks:  SOILS Profile Descri	No indicato	be to the depth needed	were obs	erved.	cator or co	onfirm the	e absence of ir ore Lining, M=Matr		Texture		Remarks						
Remarks:  SOILS Profile Descri (Type: C=Concer	No indicato	be to the depth needed etion, RM=Reduced Matrix, C	were obsolute to docume CS=Covered	erved.  nent the indi /Coated Sand	cator or co	onfirm the	e absence of inore Lining, M=Matr	ix)	Texture		Remarks						
Remarks:  SOILS Profile Descri (Type: C=Concer	No indicato	be to the depth needed etion, RM=Reduced Matrix, C	were obsolute to docume CS=Covered	erved.  nent the indi /Coated Sand	cator or co	onfirm the	e absence of inore Lining, M=Matr	ix)	Texture		Remarks						
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Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.)	No indicato	be to the depth needed etion, RM=Reduced Matrix  Color (Moist)	were obs	erved.  nent the indi /Coated Sand	cator or co	onfirm the	e absence of inore Lining, M=Matr	ix)	Texture		Remarks						
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Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.)	No indicato	be to the depth needed etion, RM=Reduced Matrix  Color (Moist)	were obs  I to docum CS=Covered  % here if indi	erved.  nent the indi /Coated Sand  Color (	cator or co Grains; Loca Moist)	onfirm the	e absence of inore Lining, M=Matrees Type	Location	Indicators f	uck (LRR I, J)	ic Soils <sup>1</sup>						
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.)	iption (Descrintration, D=Depl  ric Soil Field  A1- Histosol A2 - Histic Ep	be to the depth needed etion, RM=Reduced Matrix, Color (Moist)  Indicators (check hipedon	were obs  I to docum CS=Covered  % here if ind	coated Sand Coated Sand Color (  icators are r  S5 - Sandy R S6 - Stripped	cator or cograins; Loca  Moist)  not presented a continuation of the continuation of t	Mottle %	e absence of inore Lining, M=Matrees Type	Location	Indicators f A9 - 1cm Ma A16 - Cost F	uck (LRR I, J) Prairie Redox (I	i <u>c Soils¹</u> LRR F, G, H)						
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.)	iption (Descrintration, D=Depl  ric Soil Field  A1- Histosol A2 - Histic Ep A3 - Black His	be to the depth needed etion, RM=Reduced Matrix, Color (Moist)  Indicators (check has ipedonestic	were obs  I to docum CS=Covered  % here if ind	coated Sand Color ( Costed Sand Color (  icators are r  S5 - Sandy R  S6 - Stripped F1 - Loamy N	cator or co Grains; Loca Moist)  Moist)  not presentedox Matrix Muck Minera	Mottle  Mottle  tion: PL=P	e absence of inore Lining, M=Matrees Type	Location	Indicators f A9 - 1cm Ma A16 - Cost F S7 - Dark S	uck (LRR I, J) Prairie Redox (I urface (LRR G)	i <mark>c Soils<sup>1</sup></mark> LRR F, G, H)						
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.)	iption (Descrintration, D=Depl  ric Soil Field  A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge	be to the depth needed etion, RM=Reduced Matrix, Constitution (Check has been been been been been been been bee	were obs  I to docum CS=Covered  % here if indi	coated Sand Coated Sand Color (  Color (  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy C	cator or configurations; Local Moist)  Moist)  not present Redox Matrix Muck Minera	Mottle  Mottle  tion: PL=P	e absence of inore Lining, M=Matrees Type	Location	Indicators f A9 - 1cm Mo A16 - Cost F S7 - Dark So F16 - High F	uck (LRR I, J) Prairie Redox (I urface (LRR G) Plains Depressi	i <u>c Soils¹</u> LRR F, G, H)						
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Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.)	iption (Descrintration, D=Depl  ric Soil Field  A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydrogel A5 - Stratified A9 - 1 cm Mu	be to the depth needed etion, RM=Reduced Matrix, Color (Moist)  Indicators (check hastic ipedon stic in Sulfide Layers (LRR F) ck (LRR FGH)	were obs  I to docum CS=Covered    %	coated Sand Coated Sand Color (  Color (  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy C	cator or congrains; Loca  Moist)  Moist)  not present  dedox  Muck Minera  Gleyed Matrix	mottle when the state of the st	e absence of inore Lining, M=Matrees Type	Location	Indicators f A9 - 1cm Ma A16 - Cost F S7 - Dark Sa F16 - High F F18 - Reduct TF2 - Red P	uck (LRR I, J) Prairie Redox (I urface (LRR G) Plains Depressi ced Vertic Parent Material	ic Soils <sup>1</sup> LRR F, G, H)  ions (LRR H, outisde MLRA 72, 73)						
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## WETLAND DETERMINATION DATA FORM

**Great Plains Region** 

Project/Site:	L3R				Sample Point: u-158n48w15-a1			
<b>VEGETATIO</b>	N (Species identified in all uppercase ar	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:(B)			
5.								
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)			
7.								
8.					Prevalence Index Worksheet			
9.					Total % Cover of: Multiply by:			
10.					OBL spp5 x 1 =5			
Total Cover = 0				FACW spp. $\underline{\qquad}$ $X 2 = \underline{\qquad}$				
					OBL spp. 5			
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp 50			
1.					UPL spp 50			
2.								
3.					Total 105 (A) 455 (B)			
4.								
5.					Prevalence Index = B/A = 4.333			
6.								
7.								
8.					Hydrophytic Vegetation Indicators:			
9.					Rapid Test for Hydrophytic Vegetation			
10.					Dominance Test is > 50%			
	Total Cover =	0			Prevalence Index is ≤ 3.0 *			
			_		Morphological Adaptations (Explain) *			
Herb Stratum (	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *			
1.	Bromus inermis	50	Υ	UPL				
2.	Poa pratensis	30	Υ	FACU	* Indicators of hydric soil and wetland hydrology must be			
3.	Taraxacum officinale	10	N	FACU	present, unless disturbed or problematic.			
4.	Lotus corniculatus	10	N	FACU	Definitions of Vegetation Strata:			
5.	Persicaria punctata	5	N	OBL				
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.					TICID			
14.								
15.					Woody Vines - All woody vines, regardless of height.			
15.	Total Cover	405			Woody Villes - All Woody Villes, Tegardiess of Height.			
	Total Cover =	105	_					
11/ 1 1/ 0:	(D)							
Woody Vine St	ratum (Plot size: 30 ft. radius)							
1.								
2.					Hadronkert's Variation Brazeria			
3.					Hydrophytic Vegetation Present?N			
5.								
4.	Tatal Oassa							
Danasadaa	Total Cover =							
Remarks:	Vegetation is dominated by smooth brome a	nd Kentuck	ky bluegras	SS.				
Additional Remarks:								