WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	09/13/14	
Applicant:							100)			County:	Pennington	
Investigators				Subregion (MLRA			•			State:	MN	
Soil Unit:	IGp	NWI Classification:						1				
Landform:	Side slope		40		ocal Relief:					Sample Point:	u-154n44w31-c1	
Slope (%):	8 - 15%	PC d	Latitude: 48.			-96.36368		<u>Datum:</u>		1		
		onditions on the site	• •		ear? (If no, exp	1			□ No	Section:		
Are Vegetation				tly disturbed?		Are i	normal circur	-	esent?	Township:		
Are Vegetation		I □, or Hydrology	□aturally p	roblematic?			Yes	□ No		Range:	Dir:	
SUMMARY C												
Hydrophytic '	•		<u>No</u>		_				s Present?			
Wetland Hyd			No							nt Within A W	etland? No	
Remarks:	The upland	sample point is loc	cated in a ba	are gravel are	a near a pr	ivate grav	el road, upsic	ppe from a s	hallow mars	sh.		
HYDROLOG	Υ											
Wetland Hy	drology Ind	icators (Check all	that apply:	Minimum of o	ne primary	or two sec	condary requi	red):				
Primary	•	(22			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		, , , , , , , , , , , , , , , , , , , ,		Secondary:			
	A1 - Surface	Water			B11 - Salt	Crust				B6 - Surface S	oil Cracks	
					B13 - Aqua					B8 - Sparsely Vegetated Concave Surface		
	A3 - Saturation					gen Sulfide				B10 - Drainage		
	B1 - Water M B2 - Sedimer					eason Wate	er Table heres on Living	Poots (not till	, –	C3 - Oxidized C8 - Crayfish E	Rhizospheres on Living Roots (till	
	B3 - Drift Der	•				ence of Redu		110013 (1101 1111			n Visible on Aerial Imagery	
	B4 - Algal Ma					Muck Surfac				D2 - Geomorp		
	B5 - Iron Dep				Other (Exp	olain)				D5 - FAC-Neu		
		on Visible on Aerial Im	agery							D7 - Frost-Hea	aved Hummocks (LRR F)	
	B9 - Water-S	tained Leaves										
Field Obser												
Surface Wat	er Present?	Yes □	Dep	oth:	(in.)			Wetland F	lydrology l	Present?	N	
Water Table	Present?	Yes □	Dep	oth:	(in.)			vvetiana i	iyarology i	i resent i		
Saturation P	resent?	Yes □	Dep	nth:	(in.)							
J ataration .		100 —	Dop		_ ("",							
	orded Data (<u> </u>			ections), if	f available:					
Describe Rec	·	stream gauge, moni	toring well, a	erial photos, p	revious insp	pections), if	available:					
	·		toring well, a	erial photos, p	revious insp	pections), if	f available:					
Describe Rec Remarks:	·	stream gauge, moni	toring well, a	erial photos, p	revious insp	pections), if	f available:					
Describe Reconstruction Remarks:	No primary	stream gauge, monit or secondary hydro	toring well, a	erial photos, p cators were o	revious insp bserved.			ndicators.)				
Describe Reconstruction Remarks: SOILS Profile Descri	No primary	stream gauge, moni	toring well, a	erial photos, p cators were o	revious insposerved.	onfirm the	absence of ir					
Describe Reconstruction Remarks: SOILS Profile Descri	No primary	stream gauge, monitor secondary hydro	toring well, a	erial photos, p cators were o	revious insposerved.	onfirm the	absence of ir					
Describe Reconstruction Remarks: SOILS Profile Descri	No primary	stream gauge, monitor secondary hydro	toring well, a	erial photos, p cators were o	revious insposerved.	onfirm the	absence of ir e Lining, M=Mati					
Describe Reconstruction Remarks: SOILS Profile Descri	No primary	stream gauge, monitor secondary hydrological ibe to the depth neletion, RM=Reduced Ma	toring well, a	erial photos, p cators were o cument the incored/Coated Sand	revious insposerved.	onfirm the	absence of ir e Lining, M=Mati		Texture		Remarks	
Describe Reconstruction Remarks: SOILS Profile Descri (Type: C=Concer	No primary	stream gauge, monitor secondary hydrological between the depth neletion, RM=Reduced Matrix	toring well, a	erial photos, p cators were o cument the incored/Coated Sand	revious insposerved. licator or congrains; Loca	onfirm the tion: PL=Por Mottles	absence of ir e Lining, M=Mati	rix)	Texture		Remarks	
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Describe Reconstruction Remarks: SOILS Profile Descripation (Type: C=Concert) Depth (In.) NRCS Hydr	No primary iption (Description, D=Dep	stream gauge, monitor secondary hydrouse ibe to the depth neterion, RM=Reduced Matrix Color (Moist)	toring well, a ological indi	cators were of cators and cators are	revious insposerved. licator or congrains; Loca (Moist) not presen	onfirm the tion: PL=Pore	absence of in the Lining, M=Mati S Type	Location	Indicators f	for Problematic		
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Describe Recordance Remarks: SOILS Profile Descripation (Type: C=Concerdance) Depth (In.) NRCS Hydr	iption (Description, D=Deportration, D=Deportration) ric Soil Field A1- Histosol A2 - Histic Ep	ibe to the depth nedetion, RM=Reduced Matrix Color (Moist) Indicators (chappedon	toring well, a ological indi	cators were of cators and cators are of	revious insposerved. licator or configurations; Loca (Moist) not presented and matrix	Mottles ** ** ** ** ** ** ** ** **	absence of in the Lining, M=Mati S Type	Location	Indicators f A9 - 1 cm M A16 - Coast	luck (LRR I, J) Prairie Redox (c Soils ¹	
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Describe Reco	iption (Description, D=Deportation, D=Deportation, D=Deportation) A1- Histosol A2 - Histic Epox A3 - Black Hi A4 - Hydroge A5 - Stratified A9 - 1 cm Mu	ibe to the depth nedetion, RM=Reduced Matrix Color (Moist) Indicators (chapted on Stice on Sulfide of Layers (LRR F) lock (LRR FGH)	toring well, a cological indicated to documents, CS=Covered by the color of the col	cators were of cators and cators are of	revious insponent icator or configuration or configuration or configuration (Moist) Incator or configuratio	Mottles // Mottles // All All All All All All All All All A	absence of in the Lining, M=Mati S Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduct TF2 - Red P	luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression Plated Vertic Parent Material	E Soils ¹ (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73)	
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-154n44w31-c1				
VEGETATION (are non-native	species.)						
Tree Stratum (Plot size: 30 ft. radius) Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet				
1.	<u>opeoned (talline)</u>	<u>70 0000.</u>	Dominaria	<u>ma.o.a.ao</u>					
2.					Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)				
3.									
4.					Total Number of Dominant Species Across All Strata: (B)				
5.									
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)				
7.									
8.					Prevalence Index Worksheet				
9.					Total % Cover of: Multiply by:				
10.]			OBL spp. 0				
Total Cover =					FACW spp. $\underline{\qquad}$				
			FAC spp. $0 \times 3 = 0$						
	Stratum (Plot size: 15 ft. radius)				FACU spp. 50 X 4 = 200				
1.					UPL spp. $\frac{10}{10}$ $x = \frac{50}{10}$				
2. 3.					Total 65 (A) 260 (B)				
3. 4.					Total 65 (A) 260 (B)				
5.		_			Prevalence Index = B/A = 4.000				
6.	<u></u>	-			Trevalence index = B/A = 4.000				
7.	<u></u>								
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 (I	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *				
1.	Melilotus officinalis	20	Υ	FACU					
2.	Salsola kali	15	Υ	FACU	* Indicators of hydric soil and wetland hydrology must be				
3.	Ambrosia artemisiifolia	10	N	FACU	present, unless disturbed or problematic.				
4.	Erucrastum gallicum	10	N	NI	Definitions of Vegetation Strata:				
5.	Phalaris arundinacea	5	N	FACW					
6	Elymus repens	5	N	FACU	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.									
14.									
15.					Woody Vines - All woody vines, regardless of height.				
	Total Cover	= 65							
Woody Vine Str	ratum (Plot size: 30 ft. radius)								
1.									
2.									
3.					Hydrophytic Vegetation Present?N				
5.	1								
4.	Total Cover								
Domorko	Total Cover:		oion thiotle						
Remarks:	The sample site is dominated by sweet clovery	er and Rus	sian thistie).					
	_								
Additional Remarks:									