## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	09/27/14	
Applicant:										County:	Pennington	
Investigators					Subregion (MLRA or LRR): MLRA 56					State:	MN	
Soil Unit:	159A						I Classification:	·			450 40 4 4	
Landform:	Talf		1 11 1 10 04		cal Relief:		000007			Sample Point	u-152n43w4-c1	
Slope (%):	0 - 2%		Latitude: 48.01		_		8836667	Datum:				
		nditions on the site			al ! (If no, exp			☑ Yes	□ No	Section:		
Are Vegetation		□, or Hydrology	•			Are	e normal circun	•	esent?	Township:	Dim	
Are Vegetation		□, or Hydrology	□aturally pro	biemauc?			Yes	□ No		Range:	Dir:	
Hydrophytic '			No					Hydric Soi	ls Present?	. No		
	drology Prese		No No		_					nt Within A W	etland? <b>No</b>	
Remarks:		ple point is locate		dominated l	hy smooth	hrome a	and orchard gra		ripiirig i oii	it vvitiiii /\ vv	cuana: 140	
rtomants.	Opiana san		a iii a riayiicia	dominated	by Sillootil	DIOING C	ina oronara gra					
HYDROLOG	Υ											
		inatore (Chaok all	l that apply: Mi	nimum of on	o primary	or two o	ooondory roqui	rod\.				
Primary:	•	icators (Check all	i that apply; ivii	nimum oi or	ie primary	or two s	econdary requi	rea):	Secondary:			
	<u>·</u>	Water			B11 - Salt (	Crust				B6 - Surface S	Soil Cracks	
	A2 - High Wa				B13 - Aqua		l				Vegetated Concave Surface	
	A3 - Saturatio				C1 - Hydro					B10 - Drainage		
	B1 - Water M				C2 - Dry Se			Dooto (not till			Rhizospheres on Living Roots (till	led)
	B2 - Sedimen B3 - Drift Dep	•			C3 - Oxidiz C4 - Prese		spheres on Living	Roots (not till	,	C8 - Crayfish I	n Visible on Aerial Imagery	
	B4 - Algal Ma				C7 - Thin N				_	D2 - Geomorp		
	B5 - Iron Dep	osits			Other (Exp	lain)				D5 - FAC-Neu	tral Test	
		n Visible on Aerial Im	nagery							D7 - Frost-Hea	aved Hummocks (LRR F)	
	B9 - Water-St	ained Leaves										
Field Observ	votions											
		Van 👨	Donth		(in )							
Surface Water Table		Yes □ Yes □	Depth Depth		_ (in.) _ (in.)			Wetland F	lydrology	Present?	N	
Saturation P			•		_ (in.)						<del>_</del>	
					(In )							
			Depth		_ (in.)							
Describe Rec	orded Data (s	stream gauge, mon	itoring well, aer	ial photos, pr	evious insp	ections),	if available:					
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Describe Rec	orded Data (s	stream gauge, mon	itoring well, aer	ial photos, pr	evious insp	ections),	if available:					
Describe Reconstruction Remarks:	orded Data (s	stream gauge, moni or secondary hydr	itoring well, aer	ial photos, pr	evious insp ed.	,		ndicators )				
Describe Reconstruction Remarks:  SOILS Profile Descri	orded Data (s No primary iption (Descri	stream gauge, mon	itoring well, aer	ial photos, protors observe	evious inspect.	onfirm th	e absence of ir					
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Describe Reconstruction Remarks:  SOILS Profile Descri (Type: C=Concer	orded Data (s No primary iption (Descri	be to the depth neetion, RM=Reduced Matrix Color (Moist)	itoring well, aer rological indica eeded to docur latrix, CS=Covered	ial photos, protors observed ment the indicated Sand	evious inspect.  icator or congrains; Locat	onfirm th tion: PL=P	e absence of in ore Lining, M=Matr	ix)	Texture SCL		Remarks	
Describe Reconstruction Remarks:  SOILS Profile Description (Type: C=Concert)  Depth (In.)	No primary iption (Descri	be to the depth neetion, RM=Reduced Matrix Color (Moist)	itoring well, aer rological indica eeded to docur latrix, CS=Covered	ial photos, protors observed ment the indicated Sand	evious inspect.  icator or congrains; Locat	onfirm th tion: PL=P	e absence of in ore Lining, M=Matr	ix)		gravel mixed in	Remarks	
Describe Reconstruction Remarks:  SOILS Profile Descripation (Type: C=Concert)  Depth (In.) 0-13	No primary iption (Descrintration, D=Depl	be to the depth neetion, RM=Reduced Matrix  Color (Moist)	itoring well, aer rological indica eeded to docur latrix, CS=Covered	ial photos, protors observed ment the indicated Sand	evious inspect.  icator or congrains; Locat	onfirm th tion: PL=P	e absence of in ore Lining, M=Matr	ix)	SCL	gravel mixed in	Remarks	
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Describe Recordance Remarks:  SOILS Profile Descripation (Type: C=Concerdance)  Depth (In.) 0-13 13-20  NRCS Hydr	iption (Descrintration, D=Deplementation, D=Deplementation)  Hue_10YR  Hue_5Y  ric Soil Field  A1- Histosol A2 - Histic Ep	be to the depth neetion, RM=Reduced Matrix  Color (Moist)  2/1  5/2  Indicators (chain)	itoring well, aer rological indica eeded to docur latrix, CS=Covered    %   100   100	ial photos, protors observed ment the indicators and Color (  S5 - Sandy For S6 - Stripped	evious inspect.  icator or configurations; Locate  Moist)  not present	Mottle %	e absence of in ore Lining, M=Matr es Type	Location	Indicators 1 A9 - 1 cm M A16 - Coast	for Problemation  for Problemation  fuck (LRR I, J)  Prairie Redox	<u>c Soils¹</u> (LRR F, G, H)	
Describe Reconstruction Remarks:  SOILS Profile Descripe: C=Concert  Depth (In.) 0-13 13-20  NRCS Hydr	iption (Description, Deplementation, Deplement	be to the depth neetion, RM=Reduced Matrix  Color (Moist)  2/1  5/2  Indicators (chain in the color is in the color in the	itoring well, aer rological indica eeded to docur latrix, CS=Covered    %   100   100	ial photos, protors observed ment the indicators and Color (Color (S5 - Sandy FS6 - Stripped F1 - Loamy Market Color)	icator or co Grains; Locat (Moist) not present	Mottle was al	e absence of in ore Lining, M=Matr es Type	Location	Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S	for Problemation  for Problemation  fuck (LRR I, J)  Frairie Redox  furface (LRR G)	c Soils <sup>1</sup> (LRR F, G, H)	
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Describe Recordance Remarks:  SOILS Profile Descripation (Type: C=Concerdance)  Depth (In.) 0-13 13-20  NRCS Hydr	iption (Descrintration, D=Deplementation, D=Depl	be to the depth neetion, RM=Reduced Matrix  Color (Moist)  2/1  5/2  Indicators (chaice a Sulfide Layers (LRR FGH) and Below Dark Surface ark Surface ark Surface ark Surface ark Surface ark y Peat or Peat (L	itoring well, aer rological indica eeded to docur latrix, CS=Covered    %	color ( S5 - Sandy F S6 - Stripped F1 - Loamy F F2 - Loamy F F3 - Depleted F6 - Redox F F7 - Depleted F8 - Redox F	revious inspect.  icator or configurations; Locate  (Moist)  Redox d Matrix Mucky Minera Gleyed Matrix Dark Surface d Dark Surface Depressions	Mottle %  al x  ace	e absence of inore Lining, M=Matrees  Type	Location	Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla	for Problemation  Juck (LRR I, J)  Prairie Redox  urface (LRR G)  Plains Depression  ced Vertic  Parent Material  Shallow Dark Sain in Remarks)	c Soils <sup>1</sup> (LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)  Surface	sent
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## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-152n43w4-c1
VEGETATION	```	e non-native	species.)		
Tree Stratum (	Plot size: 30 ft. radius)  Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.	<u>opeoies ivaime</u>	<u> 70 00vci</u>	Dominant	<u>ma.otatus</u>	Dominance rest Worksheet
2.					Number of Dominant Species that are OBL, FACW, or FAC: 0 (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: 0.0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp 0
	Total Cover =	0			FACW spp. $0   x 2 = 0$
					OBL spp. 0
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. $\underline{\hspace{1cm}}$ 40 $\underline{\hspace{1cm}}$ $X 4 = \underline{\hspace{1cm}}$ $\underline{\hspace{1cm}}$ 160
1.					UPL spp. $\frac{60}{}$ $x = \frac{300}{}$
2.					
3.					Total 100 (A) 460 (B)
4.					
5.					Prevalence Index = B/A = 4.600
6.					
7.					Uvdranbytia Vagatatian Indiaatara
8.					Hydrophytic Vegetation Indicators:
9. 10.					Rapid Test for Hydrophytic Vegetation  Dominance Test is > 50%
10.	 Total Cover =	0			Prevalence Index is ≤ 3.0 *
	Total Gover =	<u> </u>	_		Morphological Adaptations (Explain) *
Herh Stratum (	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Bromus inermis	60	Υ	UPL	Problem Hydrophytic Vegetation (Explain)
2.	Dactylis glomerata	40	<u>·</u> Y	FACU	* Indicators of hydric soil and wetland hydrology must be
3.			·	17100	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 =	100	_		
_					
Woody Vine Sti	ratum (Plot size: 30 ft. radius)				
1.					
2. 3.					Hydrophytic Vocatation Brosent?
5.					Hydrophytic Vegetation Present? N
4.					
7.	Total Cover =	0			
Remarks:	Upland sample point is dominated by smooth		d orchard	grass	
. tomanto.	Trisms cample point to dominated by emoci	. Di Silio ali	s. S. Sriara	g. 430.	
Additional R	Remarks:				
, adminiar i					