## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	09/27/14	
Applicant:	• •			Subregion (MLRA or LRR): MLRA 56							Pennington	
Investigators					Subregic	`	State:	MN				
Soil Unit:	148A			<u> </u>			I Classification:	PEMB		_		
Landform:	Depression		1 11 1 10		Local Relief		\			Sample Point	: w-154n44w28-b1	
Slope (%):	8 - 15%		Latitude: 48.			-96.316		Datum:				
		nditions on the site						☑ Yes	□ No	Section:		
Are Vegetation	•	□, or Hydrology	•	•	ſ	Are	e normal circum ☑ Yes	□ No	esent?	Township:	Dir.	
Are Vegetation		□, or Hydrology	Haturally p	iobiematic?				□ 140		Range:	Dir:	
			Yes					Hydric Soi	le Present?	Vec		
Hydrophytic Vegetation Present? Wetland Hydrology Present?				Yes			Hydric Soils Present?  Is This Sampling Poir				etland? Yes	
Remarks:					wetland cor	nnley tha	at runs adiacent				e wetland is dominated by	
Tromano.		pen, bluejoint, and		•	Wottaria coi	ripiox tric	at rano dajaooni	to an oxiot	ing pipolino	comacn: me	Wottaria is definitated by	
HYDROLOG		oon, bidojoint, and	rrood odriary	grado.								
		icators (Check all	I that annly: I	Minimum of	one primary	or two s	econdary requi	red):				
Primary		icators (Check all	i tilat apply, i	viii iii ii idiii Oi	one primary	OI TWO 3	econdary requi	ieu).	Secondary:			
☐ A1 - Surface Water				ı	□ B11 - Salt	Crust			□ B6 - Surface Soil Cracks			
	A2 - High Wa			ı	□ B13 - Aqu						Vegetated Concave Surface	
	A3 - Saturation			[	☐ C1 - Hydro					B10 - Drainag		
	B1 - Water M B2 - Sedimen			l I	☐ C2 - Dry S ☐ C3 - Oxidi			Roots (not till	⊔   <b>•</b> □	C8 - Crayfish	Rhizospheres on Living Roots (tilled	
	B3 - Drift Dep	•		□ C3 - Oxidized Rhizospheres on Living Roots (not till □ □ C4 - Presence of Reduced Iron □							n Visible on Aerial Imagery	
	B4 - Algal Ma			1	□ C7 - Thin I	Muck Surfa	ace		✓	D2 - Geomorp	phic Position	
	B5 - Iron Dep			ı	□ Other (Exp	olain)			☑	D5 - FAC-Neu		
		n Visible on Aerial Im tained Leaves	nagery						П	D7 - Frost-Hea	aved Hummocks (LRR F)	
"	B9 - Water-O	dified Leaves										
Field Obser	vations:											
Surface Wat	ter Present?	Yes 🗆	Dep	th:	(in.)						V.	
Water Table		Yes □	Dep		(in.)			Wetland F	łydrology l	Present?	Υ	
Saturation P	rocont?				<u> </u>						<del></del>	
Saturation	1626111;	Yes □	Dep	th:	(in.)							
			<u> </u>			pections).	if available:					
Describe Rec	corded Data (s	stream gauge, moni	itoring well, a	erial photos,	previous insp			n hydrophyt	ic vegetatio	n and landsc	ane position.	
	corded Data (s		itoring well, a	erial photos,	previous insp			n hydrophyt	ic vegetatio	n and landsc	ape position.	
Describe Rec	corded Data (s	stream gauge, moni	itoring well, a	erial photos,	previous insp			n hydrophyt	ic vegetatio	n and landsc	ape position.	
Describe Rec Remarks: SOILS Profile Descri	orded Data (s  No primary  iption (Descr	stream gauge, moning wetland hydrology be to the depth ne	itoring well, a y indicators p	erial photos, resent. Wet	previous inspland hydrolo	ogy is asso	sumed based or se absence of in	dicators.)	ic vegetatio	n and landsc	ape position.	
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Describe Rec Remarks: SOILS Profile Descri	orded Data (s  No primary  iption (Descr	stream gauge, moning wetland hydrology be to the depth neetion, RM=Reduced Market and the street of	itoring well, a y indicators p	erial photos, resent. Wet	previous inspland hydrolo	ogy is assonitions on the onting the onting the onting the one of	sumed based or se absence of in Fore Lining, M=Matr	dicators.)	ic vegetatio	n and landsc	ape position.	
Describe Rec Remarks: SOILS Profile Descri (Type: C=Concer	orded Data (s  No primary  iption (Descr	stream gauge, moning wetland hydrology be to the depth neterion, RM=Reduced Matrix	itoring well, a y indicators peeded to doc	erial photos, resent. Wet ument the in red/Coated Sar	previous inspland hydrologicator or conditional Grains; Local	onfirm th	es es	idicators.)		n and landsc		
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Describe Rec Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-18	No primary iption (Description, D=Depl	wetland hydrology be to the depth neetion, RM=Reduced Matrix Color (Moist)	eeded to doc latrix, CS=Cove	erial photos, resent. Wet ument the in red/Coated Sar	previous inspland hydrologicator or conditional Grains; Local	onfirm th	es es	idicators.)	Texture MMI	n and landsc		
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Describe Rec Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-18 18-24  NRCS Hydr	iption (Descrintration, D=Deplementation) Hue_10YR Hue_10YR Hue_10YR	be to the depth neetion, RM=Reduced Matrix  Color (Moist)  2/1 4/1	eeded to doc latrix, CS=Cove	erial photos, resent. Wet ument the in red/Coated Sar Colo 0 0 ndicators are	previous inspland hydrologicator or cond Grains; Localer (Moist)	onfirm thation: PL=P	e absence of in Fore Lining, M=Matr	Location	Texture MMI S	or Problemati	Remarks	
Describe Rec Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-18 18-24	iption (Descrintration, D=Deplementation, D=Deplementation) Hue_10YR Hue_10YR A1- Histosol	wetland hydrology be to the depth neetion, RM=Reduced Matrix Color (Moist)  2/1 4/1  Indicators (ch	eeded to doc latrix, CS=Cove	erial photos, resent. Wet ument the in red/Coated Sar Colo 0	previous inspland hydrologicator or cond Grains; Local r (Moist)  e not preser	onfirm thation: PL=P	e absence of in Fore Lining, M=Matr	Location	Texture  MMI S  Indicators f A9 - 1 cm M	or Problemati	Remarks  c Soils <sup>1</sup>	
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Describe Rec Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-18 18-24  NRCS Hydr	ric Soil Field  A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge	be to the depth neetion, RM=Reduced Matrix  Color (Moist)  2/1  4/1  Indicators (chain in Sulfide	eeded to doc latrix, CS=Cove	erial photos, resent. Wet ument the in red/Coated Sar  Colo Colo Solution S	previous inspland hydrologicator or condicator or condicat	onfirm thation: PL=P  Mottl % at):	e absence of in Fore Lining, M=Matr	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High F	or Problemati luck (LRR I, J) Prairie Redox urface (LRR G) Plains Depressi	Remarks  c Soils <sup>1</sup> (LRR F, G, H)	
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## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-154n44w28-b1					
-					•					
<b>VEGETATIO</b>	N (Species identified in all uppercase a	re non-native	species.)							
Tree Stratum	(Plot size: 30 ft. radius)									
	Species Name	% Cover	<b>Dominant</b>	Ind.Status	Dominance Test Worksheet					
1.	Populus tremuloides	50	Y	FAC						
2.					Number of Dominant Species that are OBL, FACW, or FAC: 6 (A)					
3.										
4.					Total Number of Dominant Species Across All Strata: 6 (B)					
5.					`` '					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)					
7.					(, , <u>, , , , , , , , , , , , , , , , , </u>					
8.					Prevalence Index Worksheet					
9.					Total % Cover of: Multiply by:					
10.										
10.	_l Total Cover =	= 50			OBL spp. $\frac{10}{105}$ $x = \frac{10}{210}$ FACW spp. $\frac{105}{105}$ $x = \frac{210}{105}$					
	Total Cover -		_							
Conting/Charth	Chrotum (Diet size, 45 ft redicts)									
	Stratum (Plot size: 15 ft. radius)	1 05		FAC	FACU spp. $0   x   4 = 0$					
1.	Populus tremuloides	25	<u>т</u> Ү		UPL spp. $0   x   5 = 0$					
2.	Cornus alba	15		FACW	T					
3.	Salix petiolaris	10	Υ	OBL	Total <u>200</u> (A) <u>475</u> (B)					
4.										
5.					Prevalence Index = B/A = 2.375					
6.										
7.										
8.		]			Hydrophytic Vegetation Indicators:					
9.					Rapid Test for Hydrophytic Vegetation					
10.					X Dominance Test is > 50%					
	Total Cover =	= 50			X Prevalence Index is ≤ 3.0 *					
					Morphological Adaptations (Explain) *					
Herb Stratum (	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *					
1.	Calamagrostis canadensis	60	Υ	FACW						
2.	Phalaris arundinacea	20	Y	FACW	* Indicators of hydric soil and wetland hydrology must be					
3.	Rubus pubescens	10	<u>.</u> N	FACW	present, unless disturbed or problematic.					
4.	Athyrium filix-femina	10	N	FAC	Definitions of Vegetation Strata:					
5.	Auguan mix-remina	10		17.0	Deminions of Vegetation Strata.					
6					Troo - Was I start 0: (7.0 m) as a single firm to the same					
7.					<b>Tree -</b> Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.					
					noight (BBH), rogalaces of height.					
8.					Continue/Olemak Woody plants loss than 2 in DPH regardless of height					
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 St	tratum (Plot size: 30 ft. radius)									
1.										
2.										
3.					Hydrophytic Vegetation Present? Y					
5.										
4.										
<del></del>	Total Cover =	= 0								
Remarks:	The wetland vegetation is dominated by qua		with bluci	ioint and r	eed capary grass in the ground layer					
Nemaiks.	The wettand vegetation is dominated by qua	aking asper	i with blue	juint and i	eed canaly grass in the ground layer.					
Additional Remarks:										