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:	I20A	NWI Classification: PEMB									
Landform:	Depression				cal Relief:					Sample Point: w-153n44w3-j1	
Slope (%):	3 - 7%	Par al ra	Latitude: 48.1		Longitude:			Datum:		4	
		nditions on the site			ar'? (If no, exp	1			□ No	Section:	
Are Vegetation		□, or Hydrology	•	•		Are	e normal circum	-	esent?	Township:	
Are Vegetation		□, or Hydrology	□aturally pr	oblematic?			Yes	□ No		Range: Dir:	
	OF FINDINGS										
Hydrophytic Vegetation Present? Wetland Hydrology Present? Yet					-	? Yes					
Wetland Hyd		1 141	Is This Sampling Point Within A Wetland? Yes								
Remarks:		•	ed by balsam	poplar with ar	n herbaceo	us layer	of wetland grai	minoids in a	depressio	on within a pasture. All parameters of wetland	
	conditions a	re present.									
HYDROLOG	Y										
Wetland Hy	drology Indi	cators (Check all	I that apply; N	linimum of on	e primary	or two se	econdary requir	ed):			
Primary	•	()	77		,		, , ,	,	Secondary	<u>r.</u>	
	A1 - Surface Water				B11 - Salt (Crust		B6 - Surface Soil Cracks			
	A2 - High Water Table			□ B13 - Aquatic Fauna [B8 - Sparsely Vegetated Concave Surface	
	A3 - Saturation			□ C1 - Hydrogen Sulfide Odor□ C2 - Dry Season Water Table						B10 - Drainage Patterns	
	B1 - Water Ma B2 - Sediment						spheres on Living	Roots (not till	□	C3 - Oxidized Rhizospheres on Living Roots (tilled) C8 - Crayfish Burrows	
	B3 - Drift Depo	•			C4 - Prese			1700ts (Hot till	, –	C9 - Saturation Visible on Aerial Imagery	
	•					luck Surfa			✓	D2 - Geomorphic Position	
	B5 - Iron Depo	osits			Other (Expl	lain)			✓	D5 - FAC-Neutral Test	
		n Visible on Aerial Im	nagery							D7 - Frost-Heaved Hummocks (LRR F)	
	B9 - Water-St	ained Leaves									
							.				
Field Obser											
Surface Wat	er Present?	Yes □	Dept	h:	_ (in.)			Wetland H	lydrology	Present? Y	
Water Table	Present?	Yes □	Dept	h:	_ (in.)			Wettaria i	iyarology	——————————————————————————————————————	
Saturation P	resent?	Yes □	Dept	h:	(in.)						
					_ ` ′						
Describe Rec	orded Data (s	tream gauge, moni	itoring well, a	erial photos, pre		ections).	if available:				
	<u>`</u>	tream gauge, moni				ections),	if available:				
Describe Rec Remarks:	<u>`</u>	tream gauge, moni f wetland hydrolog				ections),	if available:				
Remarks:	<u>`</u>					ections),	if available:				
Remarks:	Indicators of	f wetland hydrolog	gy are presen	t.	evious insp	·		dicators.)			
Remarks: SOILS Profile Descri	Indicators of		gy are presen	t. Iment the indi	evious insp	onfirm the	e absence of in				
Remarks: SOILS Profile Descri	Indicators of	f wetland hydrolog	gy are presen	t. Iment the indi	evious insp	onfirm the	e absence of in				
Remarks: SOILS Profile Descri	Indicators of	f wetland hydrolog	gy are presen	t. Iment the indi	evious insp	onfirm the	e absence of in ore Lining, M=Matri				
Remarks: SOILS Profile Descri	Indicators of	be to the depth ne	gy are presen	t. Iment the indicated Sand (evious insp cator or co Grains; Locat	onfirm the	e absence of in ore Lining, M=Matri		Texture	Remarks	
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	: L3R				Sample Point: w-153n44w3-j1					
VEGETATIO	N (Species identified in all uppercase a	re non-native	species.)							
Tree Stratum	(Plot size: 30 ft. radius)									
	Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet					
1.	Populus balsamifera	60	Υ	FACW						
2.					Number of Dominant Species that are OBL, FACW, or FAC: 6 (A)					
3.										
4.	The state of the s				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>			(70)					
8.		1			Prevalence Index Worksheet					
9.					Total % Cover of: Multiply by:					
10.					OBL spp. <u>25</u> x 1 = <u>25</u>					
	Total Cover =	= 60	_		FACW spp. $\begin{array}{c ccccccccccccccccccccccccccccccccccc$					
					FAC spp. $0 x 3 = 0$					
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp. $\begin{array}{c ccccccccccccccccccccccccccccccccccc$					
1.	Salix bebbiana	15	Y	FACW	UPL spp. $\underline{\qquad}$ $x = \underline{\qquad}$					
2.	Salix petiolaris	5	Υ	OBL						
3.	Salix discolor	5	Υ	FACW	Total 171 (A) 317 (B)					
4.		1			```					
5.		1			Prevalence Index = B/A = 1.854					
6.										
7.										
8.					Hydrophytic Vogotation Indicators:					
					Hydrophytic Vegetation Indicators:					
9.					Rapid Test for Hydrophytic Vegetation					
10.					X Dominance Test is > 50%					
	Total Cover =	= 25	_		X Prevalence Index is ≤ 3.0 *					
					Morphological Adaptations (Explain) *					
Herb Stratum ((Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *					
1.	Spartina pectinata	40	Υ	FACW						
2.	Carex pellita	20	Υ	OBL	* Indicators of hydric soil and wetland hydrology must be					
3.	Symphyotrichum lanceolatum	15	N	FACW	present, unless disturbed or problematic.					
4.	Poa palustris	5	N	FACW	Definitions of Vegetation Strata:					
5.	Mentha arvensis	5	N	FACW						
6	'		N	FACW	Troo - Weed a sleade Oig (7 Com) as seems in discretes at based					
	Calamagrostis stricta	I	11	TACVV	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.					
7.		1			Hoight (BBH), regardless of Height.					
8.					O II (OI I Was du planta less then 2 in DDI I reportless of height					
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.					
10.										
11.		<u> </u>								
12.					Herb - All herbaceous (non-woody) plants, regardless of size.					
13.										
14.										
15.					Woody Vines - All woody vines, regardless of height.					
	Total Cover =	= 86								
	Total Cover	- 00	_							
Messland	tratura (Dist ale a configuration)									
vvoody vine St	tratum (Plot size: 30 ft. radius)									
1.		1								
2.										
3.		#			Hydrophytic Vegetation Present?Y					
5.										
4.										
	Total Cover =	= 0								
Remarks:	A hardwood swamp dominated by balsam r	oplar with a	n herbace	ous laver	of wetland graminoids. Though not at the sample point, reed canary grass					
	dominates much of the area. All parameter	•		-						
	asimilates mash of the area. All parameter	2 2. 77000010	. 55116111011	S S.O PIOC						
Additional Remarks:										