WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date: County:	09/17/14		
Applicant:											Pennington		
Investigators		MRK/OTG		Subregion (MLRA or LRR): MLRA 56							MN		
Soil Unit: Landform:	I9A Dip				cal Relief:		I Classification			Sample Point:	w-154n44w33-i1		
Landform: Dip Local Relief: CL Sample Point: w-154n44w33-i1 Slope (%): 0 - 2% Latitude: 48.11523383 Longitude: -96.3147161667 Datum:													
. ,		nditions on the site typica							□ No	Section:			
Are Vegetation				disturbed?		1	e normal circun			Township:			
Are Vegetation			•	blematic?			✓ Yes	□ No ·		Range:	Dir:		
SUMMARY C	OF FINDINGS	6											
Hydrophytic \	•		Yes					Hydric Soi	ls Present?	Yes			
Wetland Hyd		Yes				Is This Sampling Point				etland? Yes			
Remarks: The wetland is a hardwood swamp dominated by quaking aspen, red osier dogwood, wheat sedge and woolly sedge.													
HYDROLOG	Y												
_	•	icators (Check all that ap	pply; Mii	nimum of on	e primary	or two s	econdary requi	red):					
Primary:		Matan			D44 C=4	0			Secondary:		o'l Crooks		
	A1 - Surface \A2 - High Wa				B11 - Salt B13 - Aqua		1			B6 - Surface S	он Стаскs Vegetated Concave Surface		
	A3 - Saturatio				C1 - Hydro					B10 - Drainage			
	B1 - Water Ma				C2 - Dry S	eason Wa	ater Table			C3 - Oxidized	Rhizospheres on Living Roots (tille		
	B2 - Sedimen	•					spheres on Living	Roots (not till	• 🗀	C8 - Crayfish E			
	B3 - Drift Dep B4 - Algal Ma				C4 - Prese C7 - Thin N		educed Iron			C9 - Saturation D2 - Geomorp	Note:		
	B5 - Iron Dep				Other (Exp		ac e		✓	D5 - FAC-Neut			
		n Visible on Aerial Imagery		_	011101 (2)40						ved Hummocks (LRR F)		
	B9 - Water-St	ained Leaves											
Field Observ					<i>.</i>								
Surface Wate		Yes	Depth:		(in.)			Wetland F	lydrology l	Present?	Υ		
Water Table		Yes	Depth:		(in.)				.,		<u> </u>		
Saturation Present? Yes Depth: (in.)													
		163 -	Dopu		. ()								
		stream gauge, monitoring v			` ` ´	ections),	if available:						
	orded Data (s		well, aeri	al photos, pre	evious insp		if available:						
Describe Reco	orded Data (s	stream gauge, monitoring v	well, aeri	al photos, pre	evious insp		if available:						
Describe Reco	orded Data (s The wetland	stream gauge, monitoring value is located in a dip and s	well, aeri supports	al photos, pre	evious insp vegetatio	n.		adiantora)					
Describe Reconstruction Remarks: SOILS Profile Descri	orded Data (s The wetland	stream gauge, monitoring value is located in a dip and some be to the depth needed to	well, aeri	al photos, pre hydrophytic	evious insponential vegetation	n. onfirm th	e absence of ir						
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Describe Reconstruction Remarks: SOILS Profile Descri (Type: C=Concer	orded Data (s The wetland	stream gauge, monitoring value is located in a dip and some be to the depth needed to etion, RM=Reduced Matrix, CS	well, aeri	al photos, pre hydrophytic	evious insponential vegetation cator or contractions; Local	n. onfirm th	e absence of ir ore Lining, M=Matr		Texture		Remarks		
Describe Reconstruction Remarks: SOILS Profile Descripe: C=Concert	orded Data (s The wetland iption (Descri	stream gauge, monitoring value is located in a dip and some be to the depth needed to	well, aeri supports o docun =Covered	hydrophytic nent the indic	evious insponential vegetation cator or contractions; Local	n. onfirm th tion: PL=P	e absence of ir ore Lining, M=Mati	rix)	Texture		Remarks		
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-154n44w33-i1				
VEGETATION	N (Species identified in all uppercase are	non-native	species.)						
Tree Stratum ((Plot size: 30 ft. radius)	,							
	<u>Species Name</u>	% Cover	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet				
1.	Populus tremuloides	25	Υ	FAC					
2.					Number of Dominant Species that are OBL, FACW, or FAC: (A)				
3.									
4.					Total Number of Dominant Species Across All Strata:5(B)				
5.									
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)				
7.									
8.					Prevalence Index Worksheet				
9.					Total % Cover of: Multiply by:				
10.	Tetal Cayer	<u> </u>			OBL spp. 90				
	Total Cover = _	25			FACW spp55				
					FAC spp. 30 X 3 = 90				
	Stratum (Plot size: 15 ft. radius)	4.5	V	ΓΛΟ\Λ/	FACU spp. 0				
1.	Cornus alba	15	<u> Ү</u> Ү	FACW	UPL spp 0				
2.	Populus balsamifera	10	<u>-</u>	FACW	T (A) (D)				
3.	Populus tremuloides	5	N	FAC	Total 175 (A) 290 (B)				
4. 5					Decidence Index D/A 4 657				
5.					Prevalence Index = B/A = 1.657				
6.									
7.					Undrankutia Vagatatian Indiastara				
8. 9.					Hydrophytic Vegetation Indicators:				
9. 10.	_				Rapid Test for Hydrophytic Vegetation				
10.	Total Cover =	30			X Dominance Test is > 50% X Prevalence Index is ≤ 3.0 *				
	Total Cover –	30	_						
Lient Ctrotum (Planting 5 to analysis				Morphological Adaptations (Explain) *				
	Plot size: 5 ft. radius)		V	OBL	Problem Hydrophytic Vegetation (Explain) *				
1. 2.	Carex atherodes	50	Y V	OBL	* Indicators of hydric soil and wetland hydrology must be				
3.	Carex pellita	40 20	<u>т</u> N	FACW	present, unless disturbed or problematic.				
3. 4.	Juncus arcticus Symphyotrichum Janceolatum	10	N N	FACW	Definitions of Vegetation Strata:				
5.	Symphyotrichum lanceolatum	10	I N		Definitions of Vegetation offata.				
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.				_	Odpinig/Onitab = 11-2-2, present title = 1, 152-2-2				
11.									
12.				_	Herb - All herbaceous (non-woody) plants, regardless of size.				
13.									
14.				_					
15.				_	Woody Vines - All woody vines, regardless of height.				
10.	Total Cover =	120			violay vines				
ĺ	TOTAL COVEL -	120	_						
Moody Vine St	ratum (Plot size: 30 ft. radius)								
1.	atum (Flot Size. 30 ft. radius)								
2.	<u> </u>			_					
3.				_	Hydrophytic Vegetation Present? Y				
5.					Tiyarophytio Togotation Tiooonti.				
4.									
	Total Cover =	0		_					
Remarks: The wetland canopy is dominated by quaking aspen, while shrub layer is predominantly red osier dogwood and balsam poplar. Wheat sedge and woolly sedge dominate the ground cover.									
Additional Remarks:									
ĺ									
1									