WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site: L3R											09/30/14		
Applicant:											Red Lake		
Investigators: BEH/NTT				Subregion (MLRA or LRR): MLRA 56							MN		
Soil Unit:	138A	NWI Classification:											
Landform:	Depression				cal Relief:					Sample Point:	w-151n42w5-h2		
Slope (%): 0 - 2% Latitude: 47.92304263 Longitude: -96.05816146 Datum: Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks) Image: Climatic													
	, ,		7 1		ar? (If no, exp			⊡Yes	D No	Section:			
Are Vegetation	🖵 or Hydrology			Are	e normal circun	•	esent?	Township:					
Are Vegetation		📮 or Hydrology	Laturally pro	blematic?			Yes	□No		Range:	Dir:		
SUMMARY C													
Hydrophytic	-	Yes				Hydric Soils Present?							
Wetland Hyd		Yes				Is This Sampling Poin				etland? Yes			
Remarks: Shrubby opening within a larger wet forest. Clearing is dominated by red-osier dogwood and quaking aspen regeneration.													
HYDROLOG	Y												
Wetland Hy	drology Indi	icators (Check all	that apply; M	inimum of on	e primary	or two s	econdary requi	red):					
Primary:									Secondary:				
	A1 - Surface \			B11 - Salt (B6 - Surface S				
	A2 - High Wat A3 - Saturatio				tic Fauna				B8 - Sparsely Vegetated Concave Surface				
	B1 - Water Ma			C1 - Hydrogen Sulfide Odor							B10 - Drainage Patterns C3 - Oxidized Rhizospheres on Living Roots (tilled)		
	B2 - Sedimen				C3 - Oxidiz	ed Rhizos	spheres on Living	Roots (not till	k 🗖	C8 - Crayfish E			
	B3 - Drift Dep	osits			C4 - Prese	nce of Re	duced Iron	,		C9 - Saturation	n Visible on Aerial Imagery		
	B4 - Algal Mat				C7 - Thin N		ace			D2 - Geomorp			
	B5 - Iron Depo		0000		Other (Exp	lain)				D5 - FAC-Neu	tral Test aved Hummocks (LRR F)		
	B9 - Water-St	n Visible on Aerial Ima	agery							D7 - Frost-Hea	aved Hummocks (LRR F)		
	20 1100 01												
Field Observ	vations:												
	er Present?	Yes 🔲	Denth	:	(in.)								
Water Table		Yes	Depti		(in.)			Wetland H	lydrology	Present?	Y		
		_									—		
Saturation Present? Yes Depth: (in.)													
					,								
		tream gauge, monil			,	ections),	if available:						
Describe Reco Remarks:		tream gauge, monif ed leaves observe			,	ections),	if available:						
Remarks:					,	ections),	if available:						
Remarks: SOILS	Water-stain	ed leaves observe	d.	rial photos, pro	evious insp			odicators)					
Remarks: SOILS Profile Descri	Water-stain	ed leaves observe	d. eded to docu	rial photos, pro	evious insp	onfirm th	e absence of ir						
Remarks: SOILS Profile Descri	Water-stain	ed leaves observe	d. eded to docu	rial photos, pro	evious insp	onfirm th	e absence of ir						
Remarks: SOILS Profile Descri	Water-stain	ed leaves observe	d. eded to docu	rial photos, pro	evious insp	onfirm th	e absence of ir ore Lining, M=Matr						
Remarks: SOILS Profile Descri (Type: C=Concer	Water-stain	ed leaves observe be to the depth ne etion, RM=Reduced Ma Matrix	d. eded to docu	ment the indi	cator or co	onfirm th tion: PL=P	e absence of ir ore Lining, M=Matr		Texture		Remarks		
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	Water-stain	ed leaves observe be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	d. eded to docu atrix, CS=Covere %	rial photos, pro	cator or co	onfirm th tion: PL=P Mottle	e absence of ir ore Lining, M=Matr	ix)			Remarks		
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	L3R				Sample Point: w-151n42w5-h2					
VEGETATIO		e non-native	species.)							
Tree Stratum (Plot size: 30 ft. radius)									
	Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet					
1.	Populus tremuloides	5	Y	FAC						
2.	Ulmus americana	1	N	FAC	Number of Dominant Species that are OBL, FACW, or FAC: <u>6</u> (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.										
8.					Prevalence Index Worksheet					
9.					Total % Cover of: Multiply by:					
10.					OBL spp. 20 x 1 = 20					
	Total Cover =	6			FACW spp. 95 x 2 = 190					
					FAC spp. 46 X 3 = 138					
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. 1 x 4 = 4					
1.	Cornus alba	30	Y	FACW	UPL spp. 0 x 5 = 0					
2.	Cornus racemosa	15	Y	FAC						
3.	Populus tremuloides	15	Y	FAC	Total 162 (A) 352 (B)					
4.	Ribes hirtellum	5	Ν	FAC						
5.	Lonicera tatarica	1	Ν	FACU	Prevalence Index = B/A = 2.173					
6.										
7.										
8.					Hydrophytic Vegetation Indicators:					
9.					Rapid Test for Hydrophytic Vegetation					
10.					X Dominance Test is > 50%					
	Total Cover =	66			X Prevalence Index is ≤ 3.0 *					
	· · · · · · · · · · · · · · · · · · ·		_		Morphological Adaptations (Explain) *					
Herb Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *					
1.	Calamagrostis canadensis	35	Y	FACW						
2.	Carex pellita	20	Y	OBL	* Indicators of hydric soil and wetland hydrology must be					
3.	Carex sartwellii	15	N	FACW	present, unless disturbed or problematic.					
4.	Symphyotrichum lateriflorum	5	N	FACW	Definitions of Vegetation Strata:					
5.	Anemone canadensis	5	N	FACW						
6	Carex tenera	5	N	FACW	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast					
7.	Solidago gigantea	5	N	FAC	height (DBH), regardless of height.					
8.		Ū		1710						
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.										
14.					Woody Vines - All woody vines, regardless of height.					
13.	Total Cover =	00								
		90	_							
Woody Vine Ct	ratum (Plat aiza: 20 ft radius)									
1.	ratum (Plot size: 30 ft. radius)									
2.										
3.					Hydrophytic Vegetation Present? Y					
5.										
5. 4.										
4.	Tatal Oar	0		_						
Total Cover = 0 Remarks: Shrub layer dominated by red-osier dogwood, gray dogwood, and quaking aspen saplings. Herbaceous layer is dominated by Canada bluejoint and wood										
Remarks:		i, yiay uog	woou, and	a quaking i	aspen sapings. Herbaceous layer is commated by Canada bluejoint and woolly					
sedge.										
Additional Remarks:										