WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site: L3R									Date: County:	10/04/14						
Applicant:											Red Lake					
Investigators: BEH/NTT Soil Unit: I59A				Subregion (MLRA or LRR): MLRA 56							MN					
Soil Unit:		NWI Classification:														
Landform:	Talf				cal Relief:		707	Det		Sample Point	u-151n42w10-i1					
Slope (%):	0 - 2%	nditions on the site	Latitude: 47.90			-96.0286		Datum: ⊡Yes	□ No							
					II ? (If no, exp		^(s) normal circur			Section:						
Are Vegetation		C or Hydrology				Alei	Hormai circui ⊡ Yes		esent?	Township:	Dim					
SUMMARY C		G or Hydrology		Diematic?						Range:	Dir:					
			Ne					Uvdria Sai	le Procont?	Voc						
				No No			Hydric Soils Present? Is This Sampling Poin				etland? No					
Remarks:		ple point is domination		es and forbs	and locate	ed near a s	strip of cottor									
r tomanto.	opiana can							mood, aajat								
HYDROLOG	Y															
		icators (Chook all	that apply: Mi	nimum of on	o primony	or two cor	ondon roqu	irod):								
Primary:		icators (Check all	that apply; M	nimum or on	e primary	or two sec	condary requ	irea):	Secondary:							
	A1 - Surface	Water			B11 - Salt	Crust				B6 - Surface S	oil Cracks					
	A2 - High Wa	ter Table			B13 - Aqua						Vegetated Concave Surface					
	A3 - Saturatio B1 - Water M					gen Sulfide				B10 - Drainage						
	B2 - Sedimen			H	C2 - DIY 5	eason Wate	heres on Living	Roots (not till		C3 - Oxidized C8 - Crayfish I	Rhizospheres on Living Roots (tille Burrows					
	B3 - Drift Dep				C4 - Prese	nce of Redu	uced Iron	,			Nisible on Aerial Imagery					
	B4 - Algal Ma					/luck Surfac	e			D2 - Geomorp						
	B5 - Iron Dep	osits on Visible on Aerial Im	0000		Other (Exp	lain)				D5 - FAC-Neu	tral Test aved Hummocks (LRR F)					
	B9 - Water-Si		lagery							D7 - FIOSI-HEA	aved Hummocks (LKK F)					
Field Observ	vations:															
Surface Wate		Yes 🛛	Depth	:	(in.)											
Water Table	Present?	Yes 🔲			(in.)			Wetland F	lydrology	Present?	Ν					
Saturation Pr	resent?	Yes 🛛	Depth		(in.)						—					
Describe Reco	orded Data (s	stream gauge moni	toring well aer	ial photos pre	evious insr											
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks: No primary or secondary hydrological indicators observed.																
Remarks:	No primary		ological indica			ections), ii	f available:									
Remarks:	No primary		ological indica			ections), ii	f available:									
Remarks: SOILS	No primary		ological indica			decuons), n	f available:									
SOILS Profile Descri	ption (Descr	or secondary hydro	eded to docu	ntors observe	d. cator or co	onfirm the	absence of i									
SOILS Profile Descri	ption (Descr	or secondary hydro	eded to docu	ntors observe	d. cator or co	onfirm the	absence of i									
SOILS Profile Descri	ption (Descr	or secondary hydro ibe to the depth ne etion, RM=Reduced Ma	eded to docu	ntors observe	d. cator or co	onfirm the tion: PL=Por	absence of i e Lining, M=Mat									
SOILS Profile Descri (Type: C=Concer	ption (Descr	or secondary hydro ibe to the depth ne etion, RM=Reduced Ma Matrix	eded to docui	ment the indi	d. cator or co Grains; Loca	onfirm the tion: PL=Por Mottles	absence of i e Lining, M=Mat	trix)			Demoka					
SOILS Profile Descri (Type: C=Concer Depth (In.)	ption (Descri	or secondary hydro ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eded to docur atrix, CS=Coverer	ntors observe	d. cator or co Grains; Loca	onfirm the tion: PL=Por	absence of i e Lining, M=Mat		Texture		Remarks					
SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8	ption (Descrintration, D=Depl	or secondary hydro be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1	eded to docur atrix, CS=Coverer % 100	ment the india d/Coated Sand (Color (I	d. cator or co Grains; Loca Moist)	onfirm the tion: PL=Pon Mottles	absence of in e Lining, M=Mat S Type	Location	С		Remarks					
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	L3R				Sample Point: u-151n42w10-i1					
VEGETATIO	N (Species identified in all uppercase are Plot size: 30 ft. radius)	e non-native	species.)							
1100 oliuluii (Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet					
1.	Populus deltoides	5	Y	FAC						
2.					Number of Dominant Species that are OBL, FACW, or FAC: 3 (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: <u>50.0%</u> (A/B)					
7.										
8.					Prevalence Index Worksheet					
9.					Total % Cover of: <u>Multiply by:</u>					
10.	Total Cover =	5			OBL spp. 0 x 1 = 0 FACW spp. 15 x 2 = 30					
	5	_		FACW spp. 15 x 2 = 30 FAC spp. 10 x 3 = 30						
Sanling/Shruh	Stratum (Plot size: 15 ft. radius)				FAC spp. 10 \times 3 $-$ 30 FACU spp. 115 \times 4 $=$ 460					
1.	Populus deltoides	5	Y	FAC	UPL spp. 25 $x 5 = 125$					
2.	Salix bebbiana	5	Ŷ	FACW						
3.		-			Total <u>165</u> (A) <u>645</u> (B)					
4.										
5.					Prevalence Index = B/A = 3.909					
6.										
7.										
8.					Hydrophytic Vegetation Indicators:					
9.					Rapid Test for Hydrophytic Vegetation					
10.					Dominance Test is > 50%					
	Total Cover =	10			Prevalence Index is ≤ 3.0 *					
					Morphological Adaptations (Explain) *					
	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *					
1.	Poa pratensis	55	Y	FACU	* Indiantes of buddie call and wetland buddelay, so at be					
2.	Bromus inermis	25	Y	UPL	 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 					
3. 4.	Cirsium arvense	25	Y N	FACU						
4. 5.	Symphyotrichum ericoides Melilotus officinalis	15 15	N	FACU FACU	Definitions of Vegetation Strata:					
6	Symphyotrichum lanceolatum	10	N	FACW	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast					
7.	Fragaria virginiana	5	N	FACU	height (DBH), regardless of height.					
8.		0		17100						
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.										
15.					Woody Vines - All woody vines, regardless of height.					
	Total Cover =	150								
Maadu Maa Ot										
Woody Vine Sti 1.	ratum (Plot size: 30 ft. radius)									
2.										
3.				-	Hydrophytic Vegetation Present? N					
5.										
4.										
	Total Cover =	0								
Remarks: Scattered cottonwood trees/saplings and a Bebb's willow. Herbaceous layer is dominated by Kentucky bluegrass, smooth brome, and Canada thistle.										
Additional Remarks:										