WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	10/01/14	
Applicant:										County:	Red Lake	
v	Investigators: LEB/DGL				Subregion (MLRA or LRR): MLRA 56					State:	MN	
Soil Unit:	159A						assification:					
Landform:	Rise				cal Relief: \					Sample Point:	u-151n42w15-p1	
Slope (%):	<u>3 - 7%</u>		Latitude: 47.900			-96.020263		Datum:				
		nditions on the site			dí ? (If no, expl			Yes instances pre		Section:		
Are Vegetati Are Vegetati	on ĻSoli an LSoli	C or Hydrology				Areno	Innai circun ⊡ Yes		esent?	Township:		
SUMMARY C		G or Hydrology		piematic?			⊡ res			Range:	Dir:	
			No					Hydria Soil	c Procont?	No		
Hydrophytic Vegetation Present? Wetland Hydrology Present?				No			Hydric Soils Present? Is This Sampling Poin				etland? No	
Remarks:	The unland	sample point is lo		land island	spoil pile ur	nslone from	an adiace	nt excavated	nping Poin 1 pond			
rtemarko.					opon pric up		un aujacci		pond.			
HYDROLOG	Y											
		instars (Chaok all	that apply: Mir	imum of on	o primoru o		adon (roqui	rod).				
		icators (Check all	that apply; Mir		e primary o	or two secor	idary requi	red):	Secondary:			
Primary: A1 - Surface Water					B11 - Salt C	Crust				B6 - Surface S	oil Cracks	
	A2 - High Wat				B13 - Aquati						/egetated Concave Surface	
	A3 - Saturatio					en Sulfide Oo				B10 - Drainage Patterns C3 - Oxidized Rhizospheres on Living Roots (tilled)		
	B1 - Water Ma B2 - Sedimen			H	C2 - Dry Sea	ason Water T	able res on Living	Roots (not tille		C3 - Oxidized I C8 - Crayfish E		
	B3 - Drift Dep				C4 - Presen	ice of Reduce	d Iron				Visible on Aerial Imagery	
	B4 - Algal Mat			C7 - Thin Muck Surface						D2 - Geomorphic Position		
	B5 - Iron Depo	osits In Visible on Aerial Im	0000		Other (Expla	ain)				D5 - FAC-Neut	ral Test wed Hummocks (LRR F)	
	B9 - Water-St		layery							D7 - FIOSI-Hea		
_												
Field Obser	vations:											
Surface Wat	er Present?	Yes 🛛	Depth:		(in.)			M-41		D		
Water Table	Present?	Yes 🛛		Depth: (in.)			Wetland Hydrology Present? N				N	
Saturation P	resent?	Yes 🛛	Depth:		(in.)							
Describe Rec	orded Data (s	stream gauge moni	toring well aeria	al photos pr	evious inspe	ections) if a	vailable:					
		stream gauge, moni	-			-	vailable:					
Describe Rec Remarks:		stream gauge, moni or secondary indic	-			-	vailable:					
			-			-	vailable:					
Remarks: SOILS Profile Descri	No primary	or secondary indic	eded to docum	nd hydrology	were obse	nfirm the ab	osence of ir					
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Remarks: SOILS Profile Descri	No primary	or secondary indic be to the depth ne etion, RM=Reduced Ma	eded to docum	nd hydrology	were obse	erved. nfirm the ab on: PL=Pore L	osence of ir					
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-6 NRCS Hydr	No primary	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 Indicators (ch	eded to docum atrix, CS=Covered % 100 eck here if ind	nent the indi iCoated Sand	were obse cator or cor Grains; Location Moist)	mfirm the abon: PL=Pore L Mottles	osence of ir ining, M=Matr	Location	SIL Indicators f A9 - 1 cm M	for Problematic Uuck (LRR I, J) Prairie Redox (: Soils ¹	
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	L3R				Sample Point: u-151n42w15-p1
VEGETATIO	N (Species identified in all uppercase and (Plot size: 30 ft. radius)	re non-native	species.)		
	Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.					
2.					Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)
3.					
4.					Total Number of Dominant Species Across All Strata: 2 (B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					$OBL spp. \underline{5} x 1 = \underline{5}$
	Total Cover =	0	_		FACW spp. 5 $x 2 = 10$
					FAC spp. 0 x 3 = 0
	Stratum (Plot size: 15 ft. radius)				FACU spp. 90 x 4 = 360
1. 2.	<u> </u>				UPL spp. 0 x 5 = 0
<u> </u>	<u> </u>				Total 100 (A) 275 (D)
3. 4.					Total <u>100</u> (A) <u>375</u> (B)
4. 5.					Prevalence Index = B/A = 3.750
5. 6.					
7.	<u></u>				
8.					Hydrophytic Vegetation Indicators:
9.	<u> </u>				Rapid Test for Hydrophytic Vegetation
10.	<u></u>				Dominance Test is > 50%
10.	 Total Cover =	0			Prevalence Index is ≤ 3.0 *
					Morphological Adaptations (Explain) *
Herb Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Trifolium pratense	50	Y	FACU	
2.	Phleum pratense	25	Y	FACU	* Indicators of hydric soil and wetland hydrology must be
3.	Taraxacum officinale	10	Ν	FACU	present, unless disturbed or problematic.
4.	Carex granularis	5	Ν	OBL	Definitions of Vegetation Strata:
5.	Trifolium hybridum	5	Ν	FACU	
6	Symphyotrichum lanceolatum	5	Ν	FACW	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.					
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size.
13.					
14.					
15.					Woody Vines - All woody vines, regardless of height.
	Total Cover =	100			
Moody Vizz Of	ratum (Plat size: 20 ft radius)				
1.	ratum (Plot size: 30 ft. radius)				
2.					
3.					Hydrophytic Vegetation Present? N
5.					
4.	,			-	
	Total Cover =	0			
Remarks:	The vegetation is dominated by non-hydroph	nytic specie	es and has	s been gra	zed.
Additional F	Pomarke				