WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R									Date:	10/14/14	
Applicant:											County:	Red Lake	
Investigators	U			Subregion (MLRA or LRR): MLRA 56						State:	MN		
Soil Unit:	Unit: I59A				NWI Classification:								
Landform:	Rise			Local Relief: VV							Sample Point:	u-151n41w34-b1	
Slope (%):	3 - 7%		Latitude: 47	7.8539	931	Longitude:	-95.889	882	Datum	:	1		
	hydrologic co	nditions on the site	e typical fo	or this	time of year	ar? (If no, exp	olain in rema	arks)	⊡Yes	□No	Section:		
Are Vegetati		☐ or Hydrology			listurbed?			normal circum	nstances pr	esent?	Township:		
Are Vegetati		☐ or Hydrology						Yes	□No ·		Range:	Dir:	
SUMMARY (3		
Hydrophytic '			No	n					Hydric Soi	ils Present?	No.		
	drology Prese		No.								nt Within A W	etland? No	
Remarks:		point is located or			l sovhean f	ield No ve	enetation	is present thro			it vvitilii A vv	Stianu: NO	
rtomanto.	The apiana	point is located of	1 4 1150 111 0	a tillea	a soybean i	icia. Ivo vi	egetation	rio present une	oughout the	arca.			
HYDDOLOG	V												
HYDROLOG	Υ												
Wetland Hy	drology Ind	icators (Check all	that apply	/; Mini	imum of on	e primary	or two s	econdary requi	red):				
Primary					_					Secondary			
☐ A1 - Surface Water						B11 - Salt (B6 - Surface S		
☐ A2 - High Water Table☐ A3 - Saturation						B13 - Aqua					B8 - Sparsely v	/egetated Concave Surface	
l H	B1 - Water Ma											Rhizospheres on Living Root	s (tilled)
I	B2 - Sedimen							spheres on Living	Roots (not til		C8 - Crayfish E		- ()
	B3 - Drift Dep					C4 - Prese	nce of Re	duced Iron	`		C9 - Saturation	Visible on Aerial Imagery	
	B4 - Algal Ma					C7 - Thin N		ace			D2 - Geomorp		
	B5 - Iron Dep					Other (Exp	lain)				D5 - FAC-Neut		
	B7 - Inundatio	n Visible on Aerial Im	nagery								D7 - Frost-Hea	ved Hummocks (LRR F)	
"	D9 - Waler-Si	dified Leaves											
Field Observe													
Field Obser		_											
	er Present?	_							Wetland F	Hydrology	Present?	N	
Water Table	Present?	Yes \square	De	epth:		(in.)			Wedana i	lydrology	i resent.		
Saturation P	resent?	Yes \square	De	epth:		(in.)							
Describe Rec	orded Data (s	stream gauge, moni	itorina well.	aerial	I photos, pre	evious insp	ections).	if available:					
		stream gauge, moni			l photos, pre	evious insp	ections),	if available:					
Describe Rec Remarks:		stream gauge, moni hydrology indicato			l photos, pre	evious insp	ections),	if available:					
Remarks:					l photos, pre	evious insp	ections),	if available:					
Remarks:	No wetland	hydrology indicato	ors present	t.		·			ndicators.)				
Remarks: SOILS Profile Descri	No wetland		ors present	t. ocume	ent the indi	cator or co	onfirm th	e absence of in					
Remarks: SOILS Profile Descri	No wetland	hydrology indicators be to the depth ne	ors present	t. ocume	ent the indi	cator or co	onfirm th	e absence of in					
Remarks: SOILS Profile Descri	No wetland	hydrology indicators be to the depth ne	ors present	t. ocume	ent the indi	cator or co	onfirm th	e absence of in ore Lining, M=Matr					
Remarks: SOILS Profile Descri (Type: C=Concer	No wetland	hydrology indicato be to the depth ne etion, RM=Reduced Ma Matrix	eeded to do	ocume	ent the indic	cator or co Grains; Locat	onfirm th tion: PL=P	e absence of in ore Lining, M=Matr	ix)	Texture		Remarks	
Remarks: SOILS Profile Descri (Type: C=Concei	No wetland iption (Descri	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to do	ocume vered/C	ent the indi	cator or co Grains; Locat	onfirm th	e absence of in ore Lining, M=Matr		Texture		Remarks	
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-13	No wetland iption (Descrintration, D=Deplementation, D=Deplementation) Hue_10YR Hue_2.5Y	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 4/2	eeded to do	ocume vered/C % 100 99 F	ent the indicoated Sand (Color (I	cator or co Grains; Local Moist)	onfirm th tion: PL=P Mottle %	e absence of in ore Lining, M=Matr es Type	Location M	CL SC		Remarks	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-13 13-19	No wetland iption (Descrintration, D=Deplete Hue_10YR Hue_2.5Y Hue_2.5Y	be to the depth ne etion, RM=Reduced Mi Matrix Color (Moist) 2/1 4/2 6/2	eeded to do	% 100 99 F	ent the indicoated Sand (Color (I Hue_10YR Hue_10YR	cator or cc Grains; Local Moist) 6/8 6/8	Mottle % 1	e absence of in ore Lining, M=Matr es Type	Location M M	CL SC CL		Remarks	
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-13 13-19 19-22	No wetland iption (Descrintration, D=Deplete Hue_10YR Hue_2.5Y Hue_2.5Y Hue_2.5Y	be to the depth ne etion, RM=Reduced M: Matrix Color (Moist) 2/1 4/2 6/2 8/2	eeded to do	% 100 99 F	ent the indicoated Sand (Color (I Hue_10YR Hue_10YR	cator or cc Grains; Local Moist) 6/8 6/8	Mottle % 1	e absence of inore Lining, M=Matroses Type C C C	Location M M	CL SC CL		Remarks	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-13 13-19 19-22	No wetland iption (Descrintration, D=Deplete Hue_10YR Hue_2.5Y Hue_2.5Y	be to the depth ne etion, RM=Reduced M: Matrix Color (Moist) 2/1 4/2 6/2 8/2	eeded to do atrix, CS=Cov	% 100 99 H 96 H	ent the indicoated Sand (Color (I Hue_10YR Hue_10YR	cator or co Grains; Local Moist) 6/8 6/8 5/8	Mottle % 1 4 5	e absence of in ore Lining, M=Matr es Type	Location M M	CL SC CL		Remarks	
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-13 13-19 19-22 NRCS Hydr	No wetland iption (Descrintration, D=Deplementation, D=Deplementat	be to the depth neetion, RM=Reduced Mis Matrix Color (Moist) 2/1 4/2 6/2 8/2 Indicators (chippedon	eeded to do atrix, CS=Cov	% 100 99 H 96 H 95 H	Color (I Color (I Hue_10YR Hue_10YR Hue_10YR Cators are r	cator or co Grains; Local Moist) 6/8 6/8 5/8 not presen	Mottle Mottle 4 5	e absence of inore Lining, M=Matroses Type C C C	Location M M M	CL SC CL CL Indicators: A9 - 1 cm M	luck (LRR I, J) t Prairie Redox (· Soils¹	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-13 13-19 19-22 NRCS Hydr	No wetland iption (Descrintration, D=Deplementation, D=Deplementat	hydrology indicator be to the depth ne etion, RM=Reduced Mi Matrix Color (Moist) 2/1 4/2 6/2 8/2 Indicators (chains)	eeded to do atrix, CS=Cov	% 100 99 H 95 H if indic	Color (Note: 10 to	Moist) 6/8 6/8 5/8 oot presenedox Matrix Jucky Minera	monfirm the tion: PL=P Mottle % 1 4 5	e absence of inore Lining, M=Matroses Type C C C	Location M M M	CL SC CL CL Indicators A9 - 1 cm M A16 - Coasl S7 - Dark S	luck (LRR I, J) t Prairie Redox (urface (LRR G)	: <u>Soils¹</u> LRR F, G, H)	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-13 13-19 19-22 NRCS Hydr	No wetland iption (Descrintration, D=Deplementation, D=Deplementat	hydrology indicator be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 4/2 6/2 8/2 Indicators (ch	eeded to do atrix, CS=Cov	000000000000000000000000000000000000	Color (I Color (I Hue_10YR Hue_10YR Hue_10YR cators are r S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy G	Cator or co Grains; Local Moist) 6/8 6/8 5/8 tot presented ox Matrix lucky Mineraleyed Matrix lucky Mineraleyed Matrix	monfirm the tion: PL=P Mottle % 1 4 5	e absence of inore Lining, M=Matroses Type C C C	Location M M M C C C C C C C C C C C C C C C C	CL SC CL CL Indicators A9 - 1 cm M Fig. 1	fluck (LRR I, J) t Prairie Redox (urface (LRR G) Plains Depressio	· Soils¹	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-13 13-19 19-22 NRCS Hydr	No wetland iption (Descrintration, D=Deplementation, D=Deplementat	be to the depth ne etion, RM=Reduced Mi Matrix Color (Moist) 2/1 4/2 6/2 8/2 Indicators (ch	eeded to do atrix, CS=Cov	% 1100 999 H 100 S S S S S S S S S S S S S S S S S S	Color (I Color (I Hue_10YR Hue_10YR Hue_10YR Cators are r 65 - Sandy R 66 - Stripped 67 - Loamy M 67 - Loamy M 67 - Loamy M	Cator or co Grains; Local Moist) 6/8 6/8 5/8 sot presen edox Matrix leyed Matrix Matrix Matrix	Mottle Mottle Mottle 1 4 5 tt):	e absence of inore Lining, M=Matroses Type C C C	Location M M M C	Indicators A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High I F18 - Reduce	Muck (LRR I, J) t Prairie Redox (urface (LRR G) Plains Depressio ced Vertic	: <u>Soils¹</u> LRR F, G, H)	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-13 13-19 19-22 NRCS Hydr	No wetland iption (Descrintration, D=Deplementation, D=Deplementat	be to the depth neetion, RM=Reduced Mi Matrix Color (Moist) 2/1 4/2 6/2 8/2 Indicators (chaipedon in Sulfide Layers (LRR F) ck (LRR FGH)	eeded to do atrix, CS=Con	% 1100 999 H 95 H 15 F F F F F F F F F F F F F F F F F F	Color (I Color (I Hue_10YR Hue_10YR Hue_10YR Cators are r 65 - Sandy R 66 - Stripped 11 - Loamy M 72 - Loamy M 73 - Depleted 76 - Redox D	cator or co Grains; Local Moist) 6/8 6/8 5/8 oot presen edox Matrix lucky Minera lelyed Matrix Matrix ark Surface	Mottle Mottle Mottle 4 5	e absence of inore Lining, M=Matroses Type C C C	Location M M M C	Indicators A9 - 1 cm M A16 - Coasi S7 - Dark S F16 - High I F18 - Redu TF2 - Red F	Muck (LRR I, J) t Prairie Redox (urface (LRR G) Plains Depression ced Vertic Parent Material	Soils ¹ LRR F, G, H) INS (LRR H, outside MLRA 72, 73)	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-13 13-19 19-22 NRCS Hydr	No wetland iption (Descrintration, D=Deplementation, D=Deplementat	hydrology indicator be to the depth ne etion, RM=Reduced Mi Matrix Color (Moist) 2/1 4/2 6/2 8/2 Indicators (ch	eeded to do atrix, CS=Con	% 100 99	Color (I Color (I Hue 10YR Hue 10YR Hue 10YR Cators are r S5 - Sandy R G6 - Stripped F1 - Loamy M F2 - Loamy G F3 - Depleted F6 - Redox D F7 - Depleted	Moist) 6/8 6/8 5/8 oot presen edox Matrix lucky Minera lleyed Matrix Matrix ark Surface Dark Surface	Mottle Mottle Mottle 4 5	e absence of inore Lining, M=Matroses Type C C C	Location M M M	CL SC CL CL CL CL SC CL CL	Muck (LRR I, J) t Prairie Redox (urface (LRR G) Plains Depression ced Vertic Parent Material r Shallow Dark S	Soils ¹ LRR F, G, H) INS (LRR H, outside MLRA 72, 73)	
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-13 13-19 19-22 NRCS Hydr	No wetland iption (Descrintration, D=Depleter Intration, D=Deplete	hydrology indicator be to the depth ne etion, RM=Reduced Mi Matrix Color (Moist) 2/1 4/2 6/2 8/2 Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ucky Mineral lucky Peat or Peat (LR) cky Peat or Peat (LR)	eeded to do atrix, CS=Cov	% 100 99 H 100 S S F F F F F F F F F F F F F F F F F	Color (I Color (I Hue 10YR Hue 10YR Hue 10YR Cators are r S5 - Sandy R S6 - Stripped 51 - Loamy M 52 - Loamy G 53 - Depleted 6 - Redox D 77 - Depleted 58 - Redox D	Cator or co Grains; Local Moist) 6/8 6/8 5/8 oot presen edox Matrix lucky Mineral leyed Matrix Matrix ark Surface Dark Surfae pressions	Mottle Mottle Mottle 1 4 5 tt):	e absence of inore Lining, M=Matroses Type C C C	Location M M M C C C C C C C C C C C C C C C C	Indicators Indicators A9 - 1 cm M A16 - Coasi F16 - High I F18 - Redur TF12 - Very Other (Explant)	fluck (LRR I, J) t Prairie Redox (urface (LRR G) Plains Depression ced Vertic Parent Material r Shallow Dark S ain in Remarks)	E Soils ¹ LRR F, G, H) INS (LRR H, outside MLRA 72, 73) urface	e present,
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-13 13-19 19-22 NRCS Hydr	No wetland iption (Descrintration, D=Depleter Intration, D=Deplete	hydrology indicator be to the depth neetion, RM=Reduced Mi Matrix Color (Moist) 2/1 4/2 6/2 8/2 Indicators (chi ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral lucky Peat or Peat (LR) leyed Matrix	eeded to do atrix, CS=Con	% 100 99 H 100 S S F F F F F F F F F F F F F F F F F	Color (I Color (I Hue_10YR Hue_10YR Hue_10YR Hue_10YR Cators are r S5 - Sandy Ri S6 - Stripped F1 - Loamy G F2 - Loamy G F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D F16 - High Pla	Moist) 6/8 6/8 6/8 5/8 oot presen edox Matrix lucky Minera leyed Matrix Matrix ark Surface Dark Surface pressions ains Depres	Mottle Mottle Mottle 1 4 5 tt):	e absence of in one Lining, M=Matrices Type C C C	Location M M M C C C C C C C C C C C C C C C C	Indicators A9 - 1 cm M A16 - Coasi S7 - Dark S F16 - High I TF2 - Red F TF12 - Very Other (Explants disturb	Muck (LRR I, J) t Prairie Redox (urface (LRR G) Plains Depression ced Vertic Parent Material r Shallow Dark S ain in Remarks)	E Soils ¹ LRR F, G, H) INS (LRR H, outside MLRA 72, 73) urface	⇒ present,
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-13 13-19 19-22 NRCS Hydr	No wetland iption (Descrintration, D=Depleter Intration, D=Deplete	hydrology indicator be to the depth ne etion, RM=Reduced Mi Matrix Color (Moist) 2/1 4/2 6/2 8/2 Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ucky Mineral lucky Peat or Peat (LR) cky Peat or Peat (LR)	eeded to do atrix, CS=Con	% 100 99 H 100 S S F F F F F F F F F F F F F F F F F	Color (I Color (I Hue_10YR Hue_10YR Hue_10YR Hue_10YR Cators are r S5 - Sandy Ri S6 - Stripped F1 - Loamy G F2 - Loamy G F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D F16 - High Pla	Moist) 6/8 6/8 6/8 5/8 oot presen edox Matrix lucky Minera leyed Matrix Matrix ark Surface Dark Surface pressions ains Depres	Mottle Mottle Mottle 1 4 5 tt):	e absence of in one Lining, M=Matrices Type C C C	Location M M M C C C C C C C C C C C C C C C C	Indicators A9 - 1 cm M A16 - Coasi S7 - Dark S F16 - High I TF2 - Red F TF12 - Very Other (Explants disturb	Muck (LRR I, J) t Prairie Redox (urface (LRR G) Plains Depression ced Vertic Parent Material r Shallow Dark S ain in Remarks)	E Soils ¹ LRR F, G, H) INS (LRR H, outside MLRA 72, 73) urface	⇒ present,

WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-151n41w34-b1
VEGETATIO		e non-native	species.)		
Tree Stratum (Plot size: 30 ft. radius)				
	Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.					
2.					Number of Dominant Species that are OBL, FACW, or FAC:(A)
3.					
4.					Total Number of Dominant Species Across All Strata: 0 (B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: N/A (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 0 x 1 = 0
	Total Cover =	0			FACW spp. 0 x 2 = 0
			_		FAC spp. $0 x 3 = 0$
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. 0 x 4 = 0
1.					UPL spp. 0 x 5 = 0
2.					
3.					Total <mark>0</mark> (A) 0 (B)
4.					
5.					Prevalence Index = B/A = NA
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.					Dominance Test is > 50%
10.	Total Cover =	0			Prevalence Index is ≤ 3.0 *
	Total Gover		_		Morphological Adaptations (Explain) *
Herh Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	lot size. Sit. radius)				1 Tobiem Hydrophytic Vegetation (Explain)
2.				_	* Indicators of hydric soil and wetland hydrology must be
3.				_	present, unless disturbed or problematic.
4.					Definitions of Vegetation Strata:
5.					Definitions of Vogetation 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.				_	oupling/onldb
11.				_	
12.				_	Herb - All herbaceous (non-woody) plants, regardless of size.
13.					11010
13.				_	
					Woody Vines - All woody vines, regardless of height.
15.	T-1-1 C				TYOOUY VIIIES - AIR WOODY VIIICO, TOGGINGOS OF HOLYING
	Total Cover =	0	_		
M/	orthor (District and OO file and in)				
	ratum (Plot size: 30 ft. radius)				
1.				_	
2.					Hadrandada Variatalan B. (O. N.
3.					Hydrophytic Vegetation Present? N
5.				_	
4.	T. 1.0				
Domortica	Total Cover =	0			
Remarks:	No vegetation present throughout the area.				
Additional R	Remarks:				
 I					