## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	09/12/14
Applicant:							County:	Pennington			
Investigators	nvestigators: RAJ/BEH/MRK				Subregio	•	State:	MN			
Soil Unit: <u>I66A</u>						NW					
Landform:	Depression				cal Relief:					Sample Point	:: <u>w-154n44w31-a1</u>
Slope (%):	0 - 2%		de: 48.122		Longitude:			Datum:		1	
	<u> </u>	nditions on the site typic			ar? (If no, exp		·		□ No	Section:	
Are Vegetation			•	disturbed?		Are	e normal circun	•	esent?	Township:	
Are Vegetation			ırally prot	olematic?			✓ Yes	□ No		Range:	Dir:
SUMMARY C			Yes								
	lydrophytic Vegetation Present?				_			Hydric Soil			
	drology Prese		Yes							nt Within A W	
Remarks:		•	lside ditcl	h on the sou	ith side of	County I	Highway 8. Ve	getation is d	lominated b	by tufted hair	grass, arctic rush, woolly sedge
		f other graminoids.									
<b>HYDROLOG</b>	Υ										
<u>Primary</u>	<u>:</u>	icators (Check all that a	apply; Mir	nimum of on			econdary requi	red):	Secondary:		Soil Crooks
	A1 - Surface \A2 - High Wa				B11 - Salt B13 - Aqua					B6 - Surface S	Vegetated Concave Surface
	A3 - Saturatio				C1 - Hydro			B10 - Drainag			
	B1 - Water M			_	C2 - Dry S				_		Rhizospheres on Living Roots (tilled)
	B2 - Sedimen	•					spheres on Living	Roots (not tille		C8 - Crayfish	
	B3 - Drift Dep						duced Iron				on Visible on Aerial Imagery
	B4 - Algal Ma B5 - Iron Dep				C7 - Thin N Other (Exp		ace			D2 - Geomorp D5 - FAC-Neu	
		n Visible on Aerial Imagery			Other (Exp	naii i)					eaved Hummocks (LRR F)
_	B9 - Water-St	0,							_	27 11001110	avea riaiiiiieeite (±tttt)
Field Obser	vations:										
Surface Wat	er Present?	Yes	Depth:		(in.)			<b>VA</b> 7 - 41 1 1 1		D	V
Water Table		Yes □	Depth:		(in.)			Wetland H	lydrology I	Present?	Y
Saturation P		Yes	Depth:		- (in.)						_
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:											
Docariba Boo	orded Data (c	troom gougo, monitoring	woll oori	al photos pr	• • •	voctions)	if available:				
	`				evious insp						
Describe Rec Remarks:	`	etream gauge, monitoring vell-developed moss layer			evious insp			present.			
Remarks:	`				evious insp			present.			
Remarks:	There is a v	vell-developed moss lay	er at the	surface. Ind	evious insp dicators of	wetland	hydrology are	•			
Remarks:  SOILS Profile Descri	There is a v	vell-developed moss layed be to the depth needed	er at the	surface. Ind	evious insp dicators of cator or co	wetland	hydrology are e absence of ir	dicators.)			
Remarks:  SOILS Profile Descri	There is a v	vell-developed moss lay	er at the	surface. Ind	evious insp dicators of cator or co	wetland	hydrology are e absence of ir	dicators.)			
Remarks:  SOILS Profile Descri	There is a v	vell-developed moss layed be to the depth needed	er at the	surface. Ind	evious insp dicators of cator or co	wetland	hydrology are e absence of irore Lining, M=Matr	dicators.)			
Remarks:  SOILS Profile Descri (Type: C=Concer	There is a v	be to the depth needed etion, RM=Reduced Matrix, CS	er at the to docum	surface. Indinent the indi	evious insp dicators of cator or co Grains; Loca	wetland onfirm the tion: PL=P	hydrology are e absence of inore Lining, M=Matr	ndicators.)	Texture		Remarks
Remarks:  SOILS Profile Descri	There is a v	be to the depth needed etion, RM=Reduced Matrix, CS	er at the	surface. Ind	evious insp dicators of cator or co Grains; Loca	wetland	hydrology are e absence of irore Lining, M=Matr	dicators.)	Texture		Remarks
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Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.)	iption (Descri	be to the depth needed etion, RM=Reduced Matrix  Matrix  Color (Moist)	to docum S=Covered	surface. Incoment the indi /Coated Sand	evious inspectators of cator or cograins; Loca	metland  onfirm the tion: PL=P	e absence of in ore Lining, M=Matr	ndicators.)	Texture		Remarks
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Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.)	iption (Descrintration, D=Deplementation)	be to the depth needed etion, RM=Reduced Matrix  Matrix  Color (Moist)	to docum S=Covered	surface. Individual icators are r	evious inspectators of cator or constructions; Local Moist)	metland  onfirm the tion: PL=P	e absence of in ore Lining, M=Matr	Location	Indicators f	or Problemati	ic Soils <sup>1</sup>
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.)	iption (Descrintration, D=Deplementation, D=Deplementation) ric Soil Field A1- Histosol	be to the depth needed etion, RM=Reduced Matrix.  Color (Moist)  Indicators (check h	to docum S=Covered % ere if ind	coated Sand Coolor (  Coated Sand Coolor (  Color (  S5 - Sandy R	evious inspections of dicators of cator or constructions; Local Moist)  Moist)  not presented a construction of cator or construction or cator or ca	metland  onfirm the tion: PL=P	e absence of in ore Lining, M=Matr	Location	Indicators f A9 - 1 cm M	luck (LRR I, J)	ic Soils <sup>1</sup>
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.)	iption (Descrintration, D=Deplementation, D=Deplementation)  ric Soil Field  A1- Histosol A2 - Histic Ep	be to the depth needed etion, RM=Reduced Matrix, CS  Matrix  Color (Moist)  Indicators (check height in the color)	to docum S=Covered % ere if ind	coated Sand Coated Sand Coated Sand Color (Sandy Research Sandy Re	evious inspectators of cator or cograins; Loca  Moist)  not presented a company of the company o	metland  onfirm the tion: PL=Pi  Mottle  %  t):	e absence of in ore Lining, M=Matr	Location	Indicators f A9 - 1 cm M A16 - Coast	luck (LRR I, J) Prairie Redox	ic Soils <sup>1</sup> (LRR F, G, H)
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.)	iption (Descrintration, D=Deplementation, D=Deplementation)  ric Soil Field  A1- Histosol A2 - Histic Ep A3 - Black His	be to the depth needed etion, RM=Reduced Matrix.  Color (Moist)  Indicators (check height in the color in the	to docum S=Covered  % ere if ind	content the individual Coated Sand Color (  Color (  Color (  S5 - Sandy R  S6 - Stripped  F1 - Loamy N	cator or co Grains; Loca Moist)  Moist)  not presented ox Matrix Mucky Miner	metland  onfirm the tion: PL=P  Mottle  %  t):	e absence of in ore Lining, M=Matr	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St	luck (LRR I, J) Prairie Redox urface (LRR G)	ic Soils <sup>1</sup> (LRR F, G, H)
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## WETLAND DETERMINATION DATA FORM

**Great Plains Region** 

Project/Site:	: L3R				Sample Point: w-154n44w31-a1
<b>VEGETATIO</b>	· ·	re non-native	species.)		
Tree Stratum	(Plot size: 30 ft. radius)				
	Species Name	% Cover	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet
1.					
2.					Number of Dominant Species that are OBL, FACW, or FAC: 4 (A)
3.					
4.					Total Number of Dominant Species Across All Strata: 4 (B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.					(742)
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 20 X 1 = 20
	Total Cover =	= 0			FACW spp. $\frac{72}{144}$ $\frac{72}{144}$
					OBL spp. 20
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp. $\underline{\qquad}$ $x = \underline{\qquad}$ $\underline{\qquad}$
1.					UPL spp. $0   x   5 = 0$
2.					
3.					Total 92 (A) 164 (B)
4.					
5.					Prevalence Index = $B/A = 1.783$
6.					
7.					
8.					Hydrophytic Vogotation Indicators:
					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.					XDominance Test is > 50%
	Total Cover =	= 0	_		X Prevalence Index is ≤ 3.0 *
					Morphological Adaptations (Explain) *
Herb Stratum (	(Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Carex pellita	20	Υ	OBL	
2.	Spartina pectinata	15	Υ	FACW	* Indicators of hydric soil and wetland hydrology must be
3.	Deschampsia caespitosa	15	Y	FACW	present, unless disturbed or problematic.
4.	Juncus arcticus	15	<u>·</u> Y	FACW	Definitions of Vegetation Strata:
5.	Euthamia graminifolia	10	 N	FACW	Definitions of Vegetation Otrata.
					Troo - we start of a second se
6	Symphyotrichum lanceolatum	5	N	FACW	<b>Tree -</b> Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.
7.	Salix interior	5	N	FACW	neight (DBH), regardless of height.
8.	Phalaris arundinacea	5	N	FACW	
9.	Eleocharis compressa	1	N	FACW	Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.
10.	Asclepias incarnata	1	N	FACW	
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size.
13.					
14.					
15.					Woody Vines - All woody vines, regardless of height.
10.	Total Carran	00			**************************************
	Total Cover =	92			
Woody Vine St	tratum (Plot size: 30 ft. radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present?Y
5.					
4.					
	Total Cover =	= 0			
Remarks:	A wet meadow dominated by a mix of wetland		ids in a roa	ad ditch	Hydrophytic vegetation is present
i Nomaino.	A wet meadow dominated by a mix of wella	na granino		au ultoll. I	Tydrophytio vogotation is present.
Additional F	Remarks:				