## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R									Date:	09/16/14
Applicant: Investigators	s: NTT/BEH			Subregion (MLRA or LRR): MLRA 56						County: State:	Pennington MN	
Soil Unit:	175A						•	I Classification			Oldie.	
Landform:	Dip		Local Relief: CC						Sample Point:	w-154n44w31-n1		
Slope (%):	3 - 7%		Latitude: 48			Longitude:			Datum:			
	· · ·	nditions on the sit				ar? (If no, exp	1				Section:	
Are Vegetati	•	□, or Hydrology □, or Hydrology	•					e normal circun ☑ Yes		esent?	Township: Range:	Dir:
SUMMARY (			attrany					1 105	- 110		Range.	011.
Hydrophytic	Vegetation P	resent?	Ye	es		_			Hydric Soil	s Present?	Yes	
Wetland Hyd				es							t Within A W	
Remarks:	The wetland	d is a shallow mar	sh with a fr	ringe	of wet mea	dow. Vege	etation is	dominated by	Phalaris aru	indinacea a	and Persicaria	a amphibia.
HYDROLOG	V											
		icators (Check al	ll that apply	/ Mini	imum of or	e primary	or two s	econdary requi	red).			
Primary	•••		in that apply	y, iviii i		c prinary	01 100 3	coondary requi		Secondary:		
	A1 - Surface					B11 - Salt					B6 - Surface S	
	<ul> <li>A2 - High Water Table</li> <li>A3 - Saturation</li> </ul>					B13 - Aqua C1 - Hydro					B8 - Sparsely B10 - Drainage	Vegetated Concave Surface
	B1 - Water M					C2 - Dry Se	eason Wa	ater Table				Rhizospheres on Living Roots (tilled)
	B2 - Sedimen	•						spheres on Living	Roots (not tille	• •	C8 - Crayfish I	
	B3 - Drift Dep B4 - Algal Ma					C4 - Prese C7 - Thin N		duced Iron ace			D2 - Geomorp	n Visible on Aerial Imagery hic Position
	B5 - Iron Dep	osits				Other (Exp					D5 - FAC-Neu	tral Test
		on Visible on Aerial In	nagery								D7 - Frost-Hea	aved Hummocks (LRR F)
	□ B9 - Water-Stained Leaves											
Field Observations:												
Surface Wat	er Present?	Yes 🗆	De	epth:		(in.)			Wotland H	lydrology l	Procent?	Y
Water Table		Yes 🗹	De	epth:	14	(in.)				iyurology i	riesent:	
Saturation Present? Yes  Depth: 0 (in.)												
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:												
					· · ·	-	,					
Remarks:		d is saturated at th			· · ·	-	,					
Remarks: SOILS	The wetland	d is saturated at th	ne surface v	with a	a water tabl	e present a	at 14 inc	hes.				
Remarks: SOILS Profile Descr	The wetland	d is saturated at the	eeded to do	with a	a water tabl	e present a	at 14 inc	<del>hes</del> . e absence of ir				
Remarks: SOILS Profile Descr	The wetland	d is saturated at th	eeded to do	with a	a water tabl	e present a	at 14 inc	<del>hes</del> . e absence of ir				
Remarks: SOILS Profile Descr	The wetland	d is saturated at the	eeded to do	with a	a water tabl	e present a	at 14 inc	hes. e absence of ir ore Lining, M=Mati				
Remarks: SOILS Profile Descr	The wetland	be to the depth ne	eeded to do	with a	a water tabl	e present a cator or co Grains; Loca	at 14 inc onfirm th tion: PL=P	hes. e absence of ir ore Lining, M=Mati		Texture		Remarks
Remarks: SOILS Profile Descr (Type: C=Concer Depth (In.) 0-6	The wetland	be to the depth ne etion, RM=Reduced M Matrix Color (Moist) 2/1	eeded to do	with a ocum	ent the indi	e present a cator or co Grains; Loca	at 14 inc onfirm th tion: PL=P Mottl	hes. e absence of ir ore Lining, M=Matr	ix)	Texture MMI		Remarks
Remarks: SOILS Profile Descr (Type: C=Concer Depth (In.)	The wetland	be to the depth ne etion, RM=Reduced M Matrix Color (Moist) 2/1	eeded to do	with a ocum overed/0 %	ent the indi	e present a cator or co Grains; Loca	at 14 inc onfirm th tion: PL=P Mottl	hes. e absence of ir ore Lining, M=Matr	ix)			Remarks
Remarks: SOILS Profile Descr (Type: C=Concer Depth (In.) 0-6	The wetland iption (Descrintration, D=Depl Hue_10YR	be to the depth ne etion, RM=Reduced M Matrix Color (Moist) 2/1	eeded to do	with a ocum overed/0 % 100	ent the indi	e present a cator or co Grains; Loca	at 14 inc onfirm th tion: PL=P Mottl	hes. e absence of ir ore Lining, M=Matr	ix)			Remarks
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Remarks: SOILS Profile Descr (Type: C=Concer Depth (In.) 0-6 6-18	The wetland iption (Descrintration, D=Depl Hue_10YR Hue_10YR	be to the depth ne etion, RM=Reduced M Matrix Color (Moist) 2/1 4/1	eeded to do Aatrix, CS=Cov	with a ocum overed/0 % 100 100	ent the indi Coated Sand Color (	e present a cator or co Grains; Loca Moist)	at 14 inc	hes. e absence of ir ore Lining, M=Matr	ix)			Remarks
Remarks: SOILS Profile Descr (Type: C=Concer Depth (In.) 0-6 6-18	The wetland iption (Descrintration, D=Depl Hue_10YR	be to the depth ne etion, RM=Reduced M Matrix Color (Moist) 2/1 4/1	eeded to do	with a ocum overed/0 % 100 100	ent the indi Coated Sand Color (	e present a cator or co Grains; Loca Moist)	at 14 inc	e absence of in ore Lining, M=Matr es Type	ix)	MMI S	or Problematic	
Remarks: SOILS Profile Descr (Type: C=Concer Depth (In.) 0-6 6-18 NRCS Hydr	The wetland iption (Descrintration, D=Depl Hue_10YR Hue_10YR Hue_10YR	be to the depth ne etion, RM=Reduced M Matrix Color (Moist) 2/1 4/1 Indicators (cl	eeded to do Aatrix, CS=Cov	with a	ent the indi Coated Sand Color ( Color ( cators are i S5 - Sandy R	e present a	at 14 inc	e absence of in ore Lining, M=Matr es Type	Location	MMI S Indicators f A9 - 1 cm M	luck (LRR I, J)	<u>c Soils<sup>1</sup></u>
Remarks: SOILS Profile Descr (Type: C=Concer Depth (In.) 0-6 6-18 NRCS Hydr	The wetland	be to the depth ne etion, RM=Reduced M Matrix Color (Moist) 2/1 4/1 Indicators (cl	eeded to do Aatrix, CS=Cov	with a	ent the indi Coated Sand Color ( Color ( cators are i S5 - Sandy R S6 - Stripped	e present a	at 14 inc	e absence of in ore Lining, M=Matr es Type		MMI S Indicators f A9 - 1 cm M A16 - Coast	luck (LRR I, J) Prairie Redox (	<u>c Soils<sup>1</sup></u> (LRR F, G, H)
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## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-154n44w31-n1
VEGETATIO	N (Species identified in all uppercase are	e non-native	species.)		
Tree Stratum	(Plot size: 30 ft. radius)				
	Species Name	<u>% Cover</u>	<b>Dominant</b>	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: <b>100.0%</b> (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 40 $\times$ 1 = 40
	Total Cover =	0			FACW spp. 65   x 2 = 130
			$FAC spp \qquad 0 \qquad x 3 = 0$		
Sanling/Shrub	Stratum (Plot size: 15 ft. radius)				FACW spp.       65       x $2 =$ 130         FAC spp.       0       x $3 =$ 0         FACU spp.       0       x $4 =$ 0
1.	Spiraea alba	5	Y	FACW	$\frac{1}{1} = \frac{1}{1} = \frac{1}$
2.		5			
3.					Total <u>105</u> (A) <u>170</u> (B)
4.					Total <u>105</u> (A) <u>170</u> (B)
<u>4.</u> 5.					Provolonos  lndox = P/A =
					Prevalence Index = B/A = <u>1.619</u>
6.					
7.					I had a she the Manual at the she was
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.					X Dominance Test is > 50%
	Total Cover =	5			X Prevalence Index is ≤ 3.0 *
					Morphological Adaptations (Explain) *
Herb Stratum (	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Phalaris arundinacea	60	Y	FACW	
2.	Persicaria amphibia	20	Y	OBL	* Indicators of hydric soil and wetland hydrology must be
3.	Carex lacustris	20	Y	OBL	present, unless disturbed or problematic.
4.					Definitions of Vegetation Strata:
5.					
6					<b>Tree -</b> 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.					
11.					<b>Herb</b> - All herbaceous (non-woody) plants, regardless of size.
12.					
14.	1				
14.	<u>ا</u> ــــــــــــــــــــــــــــــــــــ				Woody Vines - All woody vines, regardless of height.
13.	Total Cover	100			
	Total Cover =	100			
Woody Vine St	ratum (Plot size: 30 ft. radius)				
1.					
2.					
3.	1				Hydrophytic Vegetation Present? Y
5.					
4.	1				
	Total Cover =	0			
Remarks:	The wetland is dominated by Phalaris arundi	nacea with	n Carex lac	custris and	d Persicaria amphibia mixed in throughout the area.
Additional F	Remarks:				