## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site: Applicant:										
Applicant:		L3R								Date: <u>06/23/14</u>
• •				Subregion (MLRA or LRR): MLRA 56						County: Kittson
Investigators: BEH/BCS					_Subregio	•	State: MN			
Soil Unit:	<u>I134A</u>						Classification:			Wetland ID:
Landform:	Depression		1 00 1 40 0		cal Relief		04.44.007	Datass		Sample Point: w-160n49w30-b1
Slope (%):	0 - 2%		Latitude: 48.6			-97.039		Datum:		Community ID:
	<u> </u>	nditions on the site	· ·		al ? (If no, ex	1	•	☑ Yes	□ No	Section:
Are Vegetation			•	y disturbed?		Are	e normal circum	•	esent?	Township:
Are Vegetation			□aturally pr	obiematic?			✓ Yes	□ No		Range: Dir:
			Yes					Hydria Sai	le Drocont?	Voc
Hydrophytic Vegetation Present? Wetland Hydrology Present?					_		Hydric Soils Present? Is This Sampling Point			
Remarks:			Yes	roadeide ditel	h that is de	minated	by common er			of hydrophytic grasses.
Nemarks.	THE WELIANG	a is a well illeadow i	iocateu iii a	i dausiue uitci	ii iiiai is ui	Jillilaleu	by common sp	ikerusii and	a illixiule	of flydropflytic grasses.
HADBOLOC	<b>V</b>									
HYDROLOG										
	•	icators (Check all	that apply; N	linimum of or	ne primary	or two se	econdary requi	red):		
Primary:		Matar			D44 Calt	Cmuch			Secondary:	
V V	A1 - Surface \A2 - High Wa				B11 - Salt					B6 - Surface Soil Cracks B8 - Sparsely Vegetated Concave Surface
✓	A3 - Saturation			<ul><li>□ B13 - Aquatic Fauna</li><li>□ C1 - Hydrogen Sulfide Odor</li></ul>						B10 - Drainage Patterns
	B1 - Water M				C2 - Dry S					C3 - Oxidized Rhizospheres on Living Roots (tilled)
	B2 - Sedimen	•					spheres on Living	Roots (not till	• 🗆	C8 - Crayfish Burrows
	B3 - Drift Dep						duced Iron			C9 - Saturation Visible on Aerial Imagery
	B4 - Algal Ma B5 - Iron Dep				Other (Exp	Muck Surfa	ace		<b>☑</b>	D2 - Geomorphic Position D5 - FAC-Neutral Test
		on Visible on Aerial Ima	agerv		Other (EX	Diairi)				D7 - Frost-Heaved Hummocks (LRR F)
		tained Leaves	3 - 7							,
Field Observ	vations:									
Surface Wat	er Present?	Yes ☑	Dept	h: <mark>6</mark>	(in.)			Watland L	lydrology	Present? Y
Water Table	Present?	Yes □	Dept	h:	_ (in.)			welland r	lydrology	
Saturation P	resent?	Yes ☑	Dept	h: 0	(in.)					
					_ ` ′					
I Describe Rec	orded Data (s	stream gauge, monit	oring well, as	rial photos, pr		pections).	if available:			
	·	stream gauge, monit			evious insp			tch.		
Remarks:	·	stream gauge, monit of standing water is			evious insp			tch.		
Remarks:	·				evious insp			tch.		
Remarks:  SOILS Profile Descri	Six inches of the second secon	of standing water is	present at t	he sample po	evious insponent, but also	onfirm the	e absence of in	dicators.)		
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Remarks:  SOILS Profile Descri	Six inches of the second secon	of standing water is be to the depth need etion, RM=Reduced Ma	present at t	he sample po	evious insponent, but also	onfirm the	e absence of in	dicators.)		
Remarks:  SOILS Profile Descri (Type: C=Concer	Six inches of the second secon	of standing water is be to the depth need etion, RM=Reduced Ma	present at t	he sample po ument the indi	revious insponents in the serious insponents	onfirm the	e absence of in ore Lining, M=Matr	idicators.)		
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Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.)	Six inches of the second secon	be to the depth need to the de	eded to docu	ment the indied/Coated Sand  Color (	revious inspoint, but also icator or configurations; Local Moist)	onfirm the Mottle	e absence of incore Lining, M=Matr	Location	Indicators 1 A9 - 1cm M	for Problematic Soils <sup>1</sup> uck (LRR I, J)
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.)  NRCS Hydr	Six inches of special intration, D=Deplementation, D=Deplementatio	be to the depth need to the determine the depth need to the depth	eded to docu	ment the indicators are in the sample position (and content to the indicators are in the sample position). The sample position (and content to the sample position) and content to the sample position (and content to the sample position). The sample position is a sample position (and content to the sample position) and content to the sample position (and content to the sample position) and content to the sample position (and content to the sample position).	revious inspoint, but also icator or configurations; Local Moist)  Moist)  not preserved Matrix	onfirm the ation: PL=Parameter Mottle %	e absence of incore Lining, M=Matr	Location	Indicators 1 A9 - 1cm M A16 - Cost F	for Problematic Soils¹ uck (LRR I, J) Prairie Redox (LRR F, G, H)
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Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.)	Six inches of special intration, Depoint at the second sec	standing water is be to the depth need to the de	eded to docu	ment the indicators are in the indicators are included and include	icator or configurations; Locator or configurati	Mottle  Mottle  mt):	e absence of incore Lining, M=Matr	Location	Indicators 1 A9 - 1cm Ma A16 - Cost I S7 - Dark S F16 - High I F18 - Reduce	for Problematic Soils <sup>1</sup> uck (LRR I, J) Prairie Redox (LRR F, G, H) urface (LRR G) Plains Depressions (LRR H, outisde MLRA 72, 73) ced Vertic
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.)	Six inches of special intration, Depoint intration,	Indicators (check the sulfide Layers (LRR FGH)	eded to docutrix, CS=Cover	ment the indicators are in the sample policy of the	icator or configurations, but also icator or configurations; Local Moist)  Moist)  Moist)  Redox Muck Mineral Muck Mineral Matrix Dark Surface	onfirm the ation: PL=Parameter Mottle %  Int):	e absence of incore Lining, M=Matr	Location	Indicators f A9 - 1cm Ma A16 - Cost F S7 - Dark S F16 - High F F18 - Reduct TF2 - Red F	for Problematic Soils <sup>1</sup> uck (LRR I, J) Prairie Redox (LRR F, G, H) urface (LRR G) Plains Depressions (LRR H, outisde MLRA 72, 73) ced Vertic Parent Material
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.)	Six inches of special intration, Depoint intration,	Indicators (check the color (Layers (LRR FGH) and Below Dark Surface	eded to docutrix, CS=Cover	ment the indicators are in the sample position of the sample position in the sample positio	revious inspoint, but also icator or configurations; Local Moist)  Moist)  Redox Muck Mineral Muck Mineral Muck Mineral Matrix Dark Surfaced Dark Surfaced Dark Surfaced Matrix	onfirm the ation: PL=Parameter Mottle %  Int):	e absence of incore Lining, M=Matr	Location	Indicators 1 A9 - 1cm Me A16 - Cost F S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very	for Problematic Soils <sup>1</sup> uck (LRR I, J) Prairie Redox (LRR F, G, H) urface (LRR G) Plains Depressions (LRR H, outisde MLRA 72, 73) ced Vertic
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.)  NRCS Hydr	Six inches of special intration, D=Deplementation, D=Deplementatio	Indicators (check to the depth need to the depth	eded to docutrix, CS=Cover	ment the indicators are in the sample police of the	icator or configurations; Locator or configurati	Mottle  Mottle  ix  eace	e absence of incore Lining, M=Matr	Location	Indicators 1 A9 - 1cm Me A16 - Cost F S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very	for Problematic Soils <sup>1</sup> uck (LRR I, J)  Prairie Redox (LRR F, G, H)  urface (LRR G)  Plains Depressions (LRR H, outisde MLRA 72, 73)  ced Vertic  Parent Material  7 Shallow Dark Surface
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.)	Six inches of special intration, D=Deplementation, D=Deplementatio	Indicators (check the control of standing water is standing water	eded to docutrix, CS=Cover  % eck here if in	ment the indicators are in the sample police of the	icator or configurations; Local  Moist)  Moist)  Redox Muck Minera Gleyed Matrix Muck Minera Gleyed Matrix Dark Surface Depressions	Mottle  Mottle  ix  eace	e absence of inore Lining, M=Matroes  Type	Location	Indicators 1 A9 - 1cm M A16 - Cost I S7 - Dark S F16 - High I F18 - Reduc TF2 - Red I TF12 - Very Other (Expla	for Problematic Soils <sup>1</sup> uck (LRR I, J)  Prairie Redox (LRR F, G, H)  urface (LRR G)  Plains Depressions (LRR H, outisde MLRA 72, 73)  ced Vertic  Parent Material  o Shallow Dark Surface  ain in Remarks)
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## WETLAND DETERMINATION DATA FORM

**Great Plains Region** 

Project/Site	: L3R				Sample Point: w-160n49w30-b1				
<b>VEGETATIO</b>	N (Species identified in all uppercase are	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: 1 (A)				
3.					(1)				
4.					Total Number of Dominant Species Across All Strata:1 (B)				
5.									
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)				
7.									
8.					Prevalence Index Worksheet				
9.					Total % Cover of: Multiply by:				
10.					OBL spp. $\frac{70}{}$ $\times 1 = \frac{70}{}$				
	Total Cover =	0			FACW spp. $25$ $\times 2 = 50$				
	_				FAC spp. $0   X   3 = 0$				
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FACW spp.       25 $x$ $z$				
1.	Citatam (1 lot 6/25: 10 tt. radias)				UPL spp. $0 \times 5 = 0$				
2.					οι ε ορρ. <u> </u>				
3.					Total <u>95</u> (A) <u>120</u> (B)				
4.									
5.					Prevalence Index = B/A = 1.263				
6.									
7.									
8.					Hydrophytic Vegetation Indicators:				
9.					X Rapid Test for Hydrophytic Vegetation				
10.					XDominance Test is > 50%				
	Total Cover =	0			X Prevalence Index is ≤ 3.0 *				
	_				Morphological Adaptations (Explain) *				
Horb Stratum	(Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *				
		60	Υ	OBL	Froblem Hydrophytic Vegetation (Explain)				
1.	Eleocharis palustris		•		* le d'acteur of levele's ac'll and levelland leveles accept be				
2.	Phalaris arundinacea	15	N	FACW	* Indicators of hydric soil and wetland hydrology must be				
3.	Alopecurus carolinianus	10	N	FACW	present, unless disturbed or problematic.				
4.	Beckmannia syzigachne	10	N	OBL	Definitions of Vegetation Strata:				
5.									
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast				
7.					height (DBH), regardless of height.				
					The sign of the si				
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.					All cold to the second to the				
15.					Woody Vines - All woody vines, regardless of height.				
	Total Cover =	95							
	<del>-</del>								
Woody Vine S	tratum (Plot size: 30 ft. radius)								
1.	The state of the fading)								
2.									
3.					Hydrophytic Vegetation Present?Y				
5.									
4.									
	Total Cover =	0							
Remarks:			nary grass	and othe	r drasses				
Remarks: The ditch is dominated by common spikerush, reed canary grass, and other grasses.									
Additional Remarks:									