## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	06/25/14	
Applicant:										County:	Kittson	
Investigators: BCS/BEH				Subregion (MLRA or LRR): MLRA 56						State:	MN	
Soil Unit:					NWI Classification:							
Landform:	Toeslope				cal Relief:					Sample Point	<u>w-160n50w9-a2</u>	
Slope (%):	0 - 2%			8.7037715	Longitude:			Datum:				
		nditions on the sit		•	ar'? (If no, exp			. ☑Yes	□ No	Section:		
Are Vegetati		☐ or Hydrology		antly disturbed?		Are	normal circun	•	esent?	Township:		
Are Vegetati			Laturally	problematic?			Yes	□No		Range:	Dir:	
SUMMARY (												
Hydrophytic				es	_			Hydric Soil				
Wetland Hyd				es			1.0.			t Within A W	etland? Yes	
Remarks:	The wetland	l is a green ash-do	ominated fi	loodplain forest	adjacent to	the Rec	River and a p	re-existing p	oipeline cor	ridor.		
HYDROLOG	Υ											
Wetland Hy	drology Ind	icators (Check all	that apply	y; Minimum of or	ne primary	or two se	econdary requi	red):				
Primary									Secondary:			
☐ A1 - Surface Water					B11 - Salt (					B6 - Surface Soil Cracks		
<b>✓</b>	A2 - High Wa A3 - Saturatio				B13 - Aqua C1 - Hydro		o Odor			B8 - Sparsely B10 - Drainag	Vegetated Concave Surf	ace
	B1 - Water Ma				C2 - Dry S						Rhizospheres on Living F	Roots (tilled)
1 5	B2 - Sedimen			ä			pheres on Living	Roots (not till		C8 - Crayfish		(tilled)
	B3 - Drift Dep			_							n Visible on Aerial Image	ry
	B4 - Algal Ma	t or Crust					ice			D2 - Geomorp		•
	B5 - Iron Dep				Other (Exp	lain)				D5 - FAC-Neu		
		n Visible on Aerial Im	nagery							D7 - Frost-He	aved Hummocks (LRR F	)
	B9 - Water-St	amed Leaves										
Field Obser												
Field Obser			_		<i>(</i> ' )							
	er Present?	_		epth:	(in.)			Wetland H	vdrology l	Present?	Υ	
Water Table Present? Yes Depth: 5 (in.)  Wetland Hydrology Present? Y											_	
	Saturation Present? Yes Depth: 0 (in.)											
Saturation P	resent?	Yes 🔟	D	ериі. 0	_ (111.)							
		Yes 🗹 stream gauge, moni			- ` ′	ections),	if available:					
	orded Data (s		itoring well,	, aerial photos, pr	evious insp							
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## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-160n50w9-a2				
VEGETATION (Species identified in all uppercase are non-native species.)									
Tree Stratum (	Plot size: 30 ft. radius)								
	<u>Species Name</u>	% Cover	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet				
1.	Fraxinus pennsylvanica	20	Y	FAC					
2.	Acer negundo	15	Υ	FAC	Number of Dominant Species that are OBL, FACW, or FAC: 4 (A)				
3.	Ulmus americana	5	N	FAC					
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.									
8.					Prevalence Index Worksheet				
9.					Total % Cover of: Multiply by:				
10.					OBL spp. 0 x 1 = 0				
-	Total Cover =	40			FACW spp. 4 x 2 = 8				
	-		_		FAC spp. 117				
Sanling/Shruh S	Stratum (Plot size: 15 ft. radius)				FACU spp. 0 x 4 = 0				
1.	oriation (Flot Size: 10 ft. Fadius)				UPL spp. 10				
2.	_				σ. <u>σ</u> ορρ. <u>ο</u> Λ Ο <u>ου</u>				
3.					Total 121 (A) 400 (D)				
					Total 131 (A) 409 (B)				
4.					December 1944 - DVA				
5.					Prevalence Index = B/A = 3.122				
6.									
7.									
8.					Hydrophytic Vegetation Indicators:				
9.					Rapid Test for Hydrophytic Vegetation				
10.					X Dominance Test is > 50%				
	Total Cover =	0			Prevalence Index is ≤ 3.0 *				
			_		Morphological Adaptations (Explain) *				
Herb Stratum (F	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *				
1.	Elymus virginicus	40	Υ	FAC					
2.	Ambrosia trifida	25	Υ	FAC	* Indicators of hydric soil and wetland hydrology must be				
3.	Smilax lasioneura	10	N	NI	present, unless disturbed or problematic.				
4.	Urtica dioica	5	N	FAC	Definitions of Vegetation Strata:				
5.	Laportea canadensis	5	N	FAC	20				
6	Maianthemum racemosum	2	N	FAC	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast				
7.	Phalaris arundinacea	2	N	FACW	height (DBH), regardless of height.				
8.		2	N	FACW					
9.	Bidens frondosa		IN	FACVV	Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.				
					Sapining/Silitub - Woody Planto loss than one. BBH, regulatess of height.				
10.									
11.					All hashaceans (non-month) plants regardless of size				
12.				_	Herb - All herbaceous (non-woody) plants, regardless of size.				
13.									
14.									
15.					Woody Vines - All woody vines, regardless of height.				
	Total Cover =	91	_						
Woody Vine Str	ratum (Plot size: 30 ft. radius)								
1.									
2.									
3.					Hydrophytic Vegetation Present? Y				
5.					<u></u>				
4.				_					
r.	Total Cover =	0		_					
Remarks:			he wetlan	d point: th	e herb stratum dominated by Virginia wild rve and giant ragweed				
Remarks: Green ash and box elder dominate the tree stratum at the wetland point; the herb stratum dominated by Virginia wild rye and giant ragweed.									
Additional Remarks:									
L									