WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R									Date:	07/01/14	
Applicant:	· · · · · · · · · · · · · · · · · · ·										County:	Kittson	
Investigators	nvestigators: EAB/RAJ				Subregion (MLRA or LRR):						State:	MN	
Soil Unit:					NWI Classification								
Landform:					Loc	CL				Sample Point:	w-159n49w23-d1		
Slope (%):	0 - 2%		Latitude: 48	8 573		Longitude:		088	Datum:		1		
		nditions on the site								☑ No	Section:		
Are Vegetati					disturbed?	ii : (ii iio, exp		e normal circum			-		
							Λι.	✓ Yes	Istarices pre □No	esciit:	Township:	D':	
Are Vegetati		☐ or Hydrology	Litturally	/ prot	olematic?			<u>□</u> res			Range:	Dir:	
SUMMARY (
Hydrophytic '			Υe	es					Hydric Soil				
Wetland Hyd	Irology Prese			es								etland? Yes	
Remarks:	The wetland	l is a cleared, exca	vated cha	annel	between tw	o groves o	of trees t	hat leads into a	roadside d	litch. Prairie	e cordgrass ar	nd common spikerush are	
	dominant th	roughout much of t	the wetlan	nd, in	addition to	weedier s	oecies lil	ke quack grass	and hybrid	clover. The	e perimeter of	the wetland was delineated	
	based on co	mmon spikerush,	American	n slou	ighgrass, an	d fowl blue	egrass.		•		•		
HYDROLOG	V				,								
		cators (Check all	that apply	y; Mir	nimum of on	e primary	or two se	econdary requii	ed):				
Primary	_									Secondary:	-		
✓	A1 - Surface \					B11 - Salt (B6 - Surface S		
	A2 - High Wat					B13 - Aqua						/egetated Concave Surface	
	A3 - Saturatio B1 - Water Ma					C1 - Hydro					B10 - Drainage Patterns C3 - Oxidized Rhizospheres on Living Roots (tilled)		ilod)
l H	B2 - Sedimen							spheres on Living	Poots (not till		C8 - Crayfish E		ieu)
1 5	B3 - Drift Dep					C4 - Prese			1100ts (110t till			Visible on Aerial Imagery	
I	B4 - Algal Mai					C7 - Thin M					D2 - Geomorpi		
	B5 - Iron Depo					Other (Expl					D5 - FAC-Neut		
	B7 - Inundatio	n Visible on Aerial Ima	agery				·				D7 - Frost-Hea	ved Hummocks (LRR F)	
	B9 - Water-St	ained Leaves											
Field Obser	vations:												
Surface Wat	er Present?	Yes 🔲	De	enth.		(in.)							
		_	D.	opti.		(in.)			Wetland H	lydrology	Present?	Υ	
		water Table Present? Yes Depth: (in.)											
Saturation Present? Yes Depth: (in.)													
		Yes	De	epth:		(in.)							
		Yes utream gauge, monit	De	epth:		(in.)	ections),	if available:					
Describe Rec	orded Data (s	tream gauge, monit	oring well,	epth: , aeria	al photos, pre	(in.) evious insp			ns. The wet	land meets	the criteria fo	or landscape position and the	Э
	orded Data (s	tream gauge, monit er is present throug	oring well,	epth: , aeria	al photos, pre	(in.) evious insp			ns. The wet	land meets	the criteria fo	or landscape position and the	e
Describe Rec Remarks:	orded Data (s	tream gauge, monit er is present throug	oring well,	epth: , aeria	al photos, pre	(in.) evious insp			ns. The wet	land meets	the criteria fo	or landscape position and the	e
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-159n49w23-d1
VEGETATIO	N (Species identified in all uppercase are	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: 2 (A)
3.					(· y
					Total Number of Deminent Creation Assess All Chrotes (D)
4.					Total Number of Dominant Species Across All Strata: 3 (B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 66.7% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 31
10.		0			FACW spp. 40 x 2 = 80
	Total Cover =	U	_		
					FAC spp. $0 x 3 = 0$
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp. 50 x 4 = 200
1.					UPL spp. $0 x 5 = 0$
2.					
3.					Total 121 (A) 311 (B)
4.					
					Description of Index - D/A - 0.570
5.					Prevalence Index = B/A = 2.570
6.	<u> </u>				
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.					X Dominance Test is > 50%
10.	Total Cover	0			
	Total Cover =	0	_		X Prevalence Index is ≤ 3.0 *
					Morphological Adaptations (Explain) *
Herb Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Elymus repens	30	Υ	FACU	
2.	Spartina pectinata	25	Υ	FACW	* Indicators of hydric soil and wetland hydrology must be
3.	Eleocharis palustris	25	Υ	OBL	present, unless disturbed or problematic.
4.	Poa palustris	10	N	FACW	Definitions of Vegetation Strata:
				_	Definitions of Vegetation Strata.
5.	Poa pratensis	10	N	FACU	<u>_</u>
6	Trifolium hybridum	10	N	FACU	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.	Beckmannia syzigachne	5	N	OBL	height (DBH), regardless of height.
8.	Symphyotrichum lanceolatum	5	N	FACW	
9.	Typha angustifolia	1	N	OBL	Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.
10.					
11.				_	
					Herb - All herbaceous (non-woody) plants, regardless of size.
12.					Hern - An Herbaceous (Hon-woody) plants, regardless of size.
13.					
14.					
15.					Woody Vines - All woody vines, regardless of height.
	Total Cover =	121			
ĺ	10141 00001 -	121	_		
Wood: Vr - 2	rotum (Diot size: 20 ftdiv-)				
	ratum (Plot size: 30 ft. radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present? Y
5.					
4.				_	
	Total Cover =	0		_	
Domarka	Common onikorush prairie carderase and a		dominat-	the cite (Some weedy upland species like hybrid clover are interspersed throughout the
Remarks:		uackgrass	dominate	tne site.	Some weedy upland species like hybrid clover are interspersed throughout the
	community.				
Additional F	Remarks:				
uuonui i					
<u> </u>					