WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	08/06/14						
Applicant:			Subregion (MLRA or LRR): MLRA 56								Marshall						
Investigators	· ·				Subregio	`	State:	MN									
Soil Unit:							Classification										
Landform:	Talf		40.00		cal Relief:		0050044			Sample Point	w-155n45w20-a2						
Slope (%):	0 - 2%			914376			9258014	Datum:									
		nditions on the site typical			I f'? (If no, exp				□ No	Section:							
Are Vegetation		□, or Hydrology □signifi	•			Are	normal circur	-	esent?	Township:							
Are Vegetation		□, or Hydrology □atura	lly prol	olematic?			✓ Yes	□ No		Range:	Dir:						
SUMMARY C																	
Hydrophytic \	_		Yes						Is Present?		11 12 V						
Wetland Hyd			Yes							t Within A W							
Remarks: The wetland is a wet meadow dominated by bog birch, Crawe's sedge, shrubby cinquefoil, and prairie cordgrass. The wetland encompasses a roadside ditch																	
		ts to a Shrub-Carr commu	nıty.														
HYDROLOG'	Y																
Wetland Hy	drology Indi	icators (Check all that app	oly; Mir	nimum of one	e primary	or two se	econdary requi	ired):									
Primary:		, , , , , , , , , , , , , , , , , , , ,						•	Secondary:								
	A1 - Surface \			B11 - Salt (B6 - Surface S										
	A2 - High Water Table A3 - Saturation				B13 - Aqua C1 - Hydro		o Odor			B8 - Sparsely B10 - Drainage	Vegetated Concave Surface						
	B1 - Water Ma				C2 - Dry Se						Rhizospheres on Living Roots (tilled)						
	B2 - Sedimen				,		spheres on Living	Roots (not till	le 🗆	C8 - Crayfish							
	B3 - Drift Dep		C4 - Prese	nce of Red	duced Iron	•			n Visible on Aerial Imagery								
	B4 - Algal Ma				C7 - Thin N		ace		☑	D2 - Geomorp							
	B5 - Iron Depo				Other (Exp	lain)				D5 - FAC-Neu							
	B9 - Water-St	n Visible on Aerial Imagery								D7 - FIOSI-Hea	aved Hummocks (LRR F)						
	Do Water Of	amod Edavos															
Field Observ	vations:																
Surface Wate		Yes	Depth:		(in.)												
			Depth:		(in.)			Wetland F	łydrology F	Present?	Υ						
Saturation Pr		Yes	Depth:		(in.)												
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	<u>`</u>	stream gauge, monitoring we		al photos, pre	evious insp												
Describe Reco	<u>`</u>	stream gauge, monitoring we drology is indicated by land		al photos, pre	evious insp												
Remarks:	<u>`</u>			al photos, pre	evious insp												
Remarks:	Wetland hy	drology is indicated by land	dscape	al photos, pre	evious insp d hydroph	ytic vege	etation.	adicatora)									
Remarks: SOILS Profile Descri	Wetland hye	drology is indicated by land	dscape	al photos, preeposition and	evious insp d hydroph cator or co	ytic vege	etation. e absence of in										
Remarks: SOILS Profile Descri	Wetland hye	drology is indicated by land	dscape	al photos, preeposition and	evious insp d hydroph cator or co	ytic vege	etation. e absence of in										
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Remarks: SOILS Profile Descri (Type: C=Concer	Wetland hyding ption (Descriptration, D=Deplementation)	be to the depth needed to etion, RM=Reduced Matrix Color (Moist)	docun Covered %	al photos, preeposition and	evious insp d hydroph cator or co Grains; Local	ytic vege onfirm the ion: PL=Pc	etation. e absence of in ore Lining, M=Mat		Texture		Remarks						
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-155n45w20-a2				
					•				
VEGETATIO	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: 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.					(77 <i>B</i>)				
8.					Prevalence Index Worksheet				
					4				
9.					Total % Cover of: Multiply by:				
10.	Total Cover	0			OBL spp. $\frac{40}{80}$ $x = \frac{40}{160}$ $x = \frac{40}{160}$				
Total Cover =0					FACW spp. 80				
					FAC spp. $0 x 3 = 0$				
	Stratum (Plot size: 15 ft. radius)				FACU spp. 10				
1.	Betula pumila	30	Y	OBL	UPL spp. $0 x 5 = 0$				
2.	Dasiphora fruticosa	20	Υ	FACW					
3.					Total 130 (A) 240 (B)				
4.									
5.					Prevalence Index = B/A = 1.846				
6.									
7.									
8.					Hydrophytic Vegetation Indicators:				
9.					Rapid Test for Hydrophytic Vegetation				
10.					X Dominance Test is > 50%				
10.		50			X Prevalence Index is ≤ 3.0 *				
	Total Cover = _	30							
					Morphological Adaptations (Explain) *				
Herb Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *				
1.	Carex crawei	30	Υ	FACW					
2.	Spartina pectinata	10	Υ	FACW	* Indicators of hydric soil and wetland hydrology must be				
3.	Scirpus atrovirens	5	N	OBL	present, unless disturbed or problematic.				
4.	Juncus arcticus	5	N	FACW	Definitions of Vegetation Strata:				
5.	Thalictrum dioicum	5	N	FACW					
6	Solidago canadensis	5	N	FACU	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast				
7.	Cicuta maculata	5	N	OBL	height (DBH), regardless of height.				
8.	Agrostis gigantea	5	N	FACW					
9.		5	N	FACW	Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.				
	Euthamia graminifolia				Sapinig/Sili ub - vrees, plante less than e im 221, regardess of height.				
10.	Andropogon gerardii	5	N	FACU					
11.									
12.					Herb - All herbaceous (non-woody) plants, regardless of size.				
13.									
14.									
15.					Woody Vines - All woody vines, regardless of height.				
	Total Cover =	80							
	-								
Woody Vine St	ratum (Plot size: 30 ft. radius)								
1	(ist sizer as it radias)								
2.									
3.					Hydrophytic Vegetation Present?				
					riyuropriyuc vegetation Fresent!				
5.									
4.	T-(-1-0								
	Total Cover =	0		<u> </u>					
Remarks:		w-growing	bog birch	and shruk	oby cinquefoil, as well as Crawe's sedge and prairie cordgrass. Vegetative diversity				
	is high.								
Additional Remarks:									
Additional Notice No.									