WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R							Date:	09/15/14			
Applicant:	• •							County:	Pennington				
Investigators:	•	BEH/MRK			_Subregion	(MLRA or LRR):	MLRA 56		State:	MN			
Soil Unit:	IGp NWI Classification: PSS]				
Landform:	Depression				cal Relief: C				Sample Point:	w-154n44w31-l3			
Slope (%):	0 - 2%		Latitude: 48.1		Longitude: -		Datum:						
Are climatic/h	nydrologic co	nditions on the site	typical for t	his time of ye	ar? (If no, explai	in in remarks)	Yes	□ No	Section:				
Are Vegetation	on 🛭 Soil	□, or Hydrology	⊏significant	ly disturbed?		Are normal circur	nstances pr	esent?	Township:				
Are Vegetation	on 🛚 Soil	□, or Hydrology	□aturally pr	oblematic?			□ No		Range:	Dir:			
SUMMARY O			<i>y</i> 1						Ü				
			Yes				Hvdric Soi	ls Present?	Yes				
					_		Is This Sampling Poin			etland? Yes			
Remarks:			Yes ated Shrub-(Carr commun	ity over peat	v/mucky soil		npinig i on		Julian 199			
Remarks: The wetland is a willow-dominated Shrub-Carr community over peaty/mucky soil.													
HYDROLOCY													
HYDROLOGY													
Wetland Hydrology Indicators (Check all that apply; Minimum of one primary or two secondary required):													
<u>Primary:</u>								Secondary:					
	A1 - Surface \				B11 - Salt Cr				B6 - Surface S				
✓	<u> </u>				B13 - Aquation				-	/egetated Concave Surface			
✓	A3 - Saturatio					en Sulfide Odor			B10 - Drainage				
	B1 - Water Ma					ison Water Table	Daata (aat till			Rhizospheres on Living Roots (tilled)			
	B2 - Sedimen	•				d Rhizospheres on Living ce of Reduced Iron	Roots (not till	• 🗆	C8 - Crayfish E				
	B3 - Drift Dep				C7 - Thin Mu			□	D2 - Geomorpl	Visible on Aerial Imagery			
	B4 - Algal Mat B5 - Iron Dep				Other (Explai			✓	D5 - FAC-Neut				
		ก Visible on Aerial Ima	agery		Other (Explai	II 1 <i>)</i>				ved Hummocks (LRR F)			
	B9 - Water-St		agery						D7 - 1103t-1108	ved Fiditiffocks (ERRY)			
_	20 11010. 01												
Field Observ	vations:												
		V	Done	.	(in)								
Surface Wate		Yes	Dept		_ (in.)		Wetland F	lydrology l	Present?	Υ			
Water Table		Yes ☑	Dept		_ (in.)								
Saturation Pr	esent?	Yes ☑	Dept	th: O	(in.)								
					_ (****/								
Describe Reco	orded Data (s	tream gauge, monito	oring well, a	erial photos, pr	<u> </u>	ctions), if available:							
	<u> </u>	tream gauge, monit			evious inspec	<u> </u>	d in nearby l	ow spots.					
Describe Reco	<u> </u>				evious inspec	ctions), if available: ng water was observe	d in nearby l	ow spots.					
Remarks:	<u> </u>				evious inspec	<u> </u>	d in nearby l	ow spots.					
Remarks:	The water to	able was observed	1 inch belov	w the soil surf	evious inspectace. Standin	g water was observe	•	ow spots.					
Remarks: SOILS Profile Descri	The water to	able was observed	1 inch beloveded to docu	w the soil surfa	evious inspedace. Standin	g water was observe	ndicators.)	ow spots.					
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Remarks: SOILS Profile Descri	The water to	be to the depth nee	1 inch beloveded to docu	w the soil surfa	evious inspedace. Standin	firm the absence of in the PL=Pore Lining, M=Mat	ndicators.)	ow spots.					
Remarks: SOILS Profile Descri (Type: C=Concen	The water to	be to the depth need to the Reduced Materia	1 inch beloveded to documents, CS=Cover	w the soil surface. ument the indired/Coated Sand	evious insped ace. Standin cator or con Grains; Location	firm the absence of in PL=Pore Lining, M=Mat	ndicators.)			Pamarks			
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Remarks: SOILS Profile Descri (Type: C=Concent Depth (In.) 0-5 5-16 16-23 NRCS Hydri	The water to ption (Descriptration, D=Deplementation, D=Deplementa	be to the depth need to the de	2 1 inch beloved ded to docutrix, CS=Cover	w the soil surface with the soil surface with the indicators and color (color (evious inspectace. Standin Cator or configrains; Location Moist) Moist) not present): Redox I Matrix Mucky Mineral Gleyed Matrix	firm the absence of in PL=Pore Lining, M=Mat Mottles % Type	Location	Texture P MMI SIC Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F	for Problematic luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depressio	: Soils ¹			
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Remarks: SOILS Profile Descri (Type: C=Concent Depth (In.) 0-5 5-16 16-23 NRCS Hydri	The water to ption (Descriptration, D=Deplementation, D=Deplementa	be to the depth need ion, RM=Reduced Main Matrix Color (Moist) 2/2 3/1 4/1 Indicators (check ipedon stice in Sulfide Layers (LRR F) ck (LRR FGH) id Below Dark Surface	2 ded to docutrix, CS=Cover % 100 100 100 100 100 100 100 100 100 1	w the soil surface with the indicated Sand Color (COC) CoC Sandy For Sandy	evious inspectace. Standin Cator or configrains; Location Moist) Moist) Redox I Matrix Mucky Mineral Gleyed Matrix Dark Surface d Dark Surface	firm the absence of inn: PL=Pore Lining, M=Matemate Mottles Mottles Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduc TF2 - Red P TF12 - Very	For Problematic luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ced Vertic Parent Material Shallow Dark S	E Soils ¹ LRR F, G, H) INS (LRR H, outside MLRA 72, 73)			
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site	e: L3R	_			Sample Point: w-154n44w31-I3					
VEGETATIO	` ` '	e non-native	species.)							
Tree Stratum	(Plot size: 30 ft. radius)									
	<u>Species Name</u>	% 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.					1					
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.					OPI cpp 445 × 1 - 445					
10.		0			OBL spp. 115 X 1 = 115					
	Total Cover =		<u> </u>		FACTOR Spp. $\frac{5}{2}$ $\frac{10}{2}$					
0 1: /0! 1	O. (D. (D.) 45 () 15)				OBL spp. 115					
	Stratum (Plot size: 15 ft. radius)			ODI	$\begin{array}{cccccccccccccccccccccccccccccccccccc$					
1.	Salix petiolaris	15	Y	OBL	UPL spp0					
2.	Salix serissima	15	Y	OBL						
3.	Salix lucida	5	N	FACW	Total 120 (A) 125 (B)					
4.	Salix candida	5	N	OBL						
5.	Salix maccalliana	5	Ν	OBL	Prevalence Index = B/A = 1.042					
6.										
7.										
8.					Hydrophytic Vegetation Indicators:					
9.					Rapid Test for Hydrophytic Vegetation					
10.					X Dominance Test is > 50%					
	Total Cover =	45			X Prevalence Index is ≤ 3.0 *					
	Total Gover =	-10	_							
Llaula Otrastana	(Distraction 5 th modition)				Morphological Adaptations (Explain) *					
	(Plot size: 5 ft. radius)		V	ODI	Problem Hydrophytic Vegetation (Explain) *					
1.	Carex lasiocarpa	60	T	OBL	* to disease at booking and continued booking as at booking					
2.	Carex aquatilis	15	Υ	OBL	* Indicators of hydric soil and wetland hydrology must be					
3.					present, unless disturbed or problematic.					
4.					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.					
8.										
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.					
10.					1					
11.					1					
12.					Herb - All herbaceous (non-woody) plants, regardless of size.					
13.					1					
					4					
14.					Mandy Visco All woody vince regardless of height					
15.					Woody Vines - All woody vines, regardless of height.					
	Total Cover =	75								
Woody Vine S	Stratum (Plot size: 30 ft. radius)									
1.										
2.										
3.					Hydrophytic Vegetation Present?					
5.										
4.										
	Total Cover =	0								
Remarks: The shrub layer is a mix of willows, predominantly meadow willow and autumn willow. The ground layer is dominated by bog wire sedge and leafy tussoc										
Nemains.		iainiy iiical	GOVV VVIIIOV	v and autu	min winow. The ground layer is dominated by bog wire sedge and leary tussock					
	sedge.									
Additional Remarks:										