WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	te: L3R									Date: 09/15/14		
Applicant:										County: Pennington		
Investigators	:	BEH/MRK			Subregio	n (MLR <i>A</i>	A or LRR):	MLRA 56		State: MN		
Soil Unit:	IGp			_			I Classification:					
Landform:	Depression				cal Relief:					Sample Point: w-154n44w31-I2		
Slope (%):	0 - 2%	Latitude			Longitude:			Datum:				
	, ,	nditions on the site typica			I r? (If no, exp	ī			□ No	Section:		
Are Vegetation	•		-	disturbed?		Are	e normal circun	•	esent?	Township:		
Are Vegetation			ally pro	blematic?			Yes	□ No		Range: Dir:		
SUMMARY C			V/ · · ·					Lludria Cai	la Dragonto	Vec		
Hydrophytic \			Yes						Is Present?			
Wetland Hyd Remarks:			Yes	mp botwoon	o Willow	Corron	d a doop march		mpling Poir	nt Within A Wetland? Yes		
Remarks.	The welland	d is a strip of quaking aspe	en Swa	mp between	a willow-	Call all	a a deep marsn	•				
HYDROLOG	V											
		in at any (Ob a als all that an	alon Mi									
Primary:		icators (Check all that ap	piy; iviii	nimum of on	e primary	or two s	econdary requi	rea):	Secondary:			
	<u>.</u> A1 - Surface	Water			B11 - Salt	Crust				<u>.</u> B6 - Surface Soil Cracks		
_ ✓	A2 - High Wa				B13 - Aqua		ı		_	B8 - Sparsely Vegetated Concave Surface		
✓	A3 - Saturation				C1 - Hydro				B10 - Drainage Patterns			
	B1 - Water M B2 - Sedimer				C2 - Dry So			Pooto (not till		C3 - Oxidized Rhizospheres on Living Roots (tilled) C8 - Crayfish Burrows		
	B3 - Drift Dep	•					spheres on Living educed Iron	Roots (not till	l€ 📙	C9 - Saturation Visible on Aerial Imagery		
	B4 - Algal Ma				C7 - Thin N					D2 - Geomorphic Position		
	B5 - Iron Dep				Other (Exp	lain)			☑	D5 - FAC-Neutral Test		
		on Visible on Aerial Imagery tained Leaves								D7 - Frost-Heaved Hummocks (LRR F)		
l "	ba - water-o	lailled Leaves										
Field Observ	vations:											
Surface Water		Yes	Depth:		(in.)							
Water Table		Yes ☑	Depth:		(in.)			Wetland F	lydrology	Present? Y		
Saturation Pr		Yes ☑	Depth:	_	(in.)							
Describe Rec	orded Data (s	stream gauge, monitoring w	ell aeri	al photos, pre	evious insp	ections)	if available:					
Remarks:		rated at the surface and th										
- tomanto	Con 10 card.		o maio	. table was c								
SOILS												
		be to the depth needed to										
(Type: C=Concer	ntration, D=Depl	etion, RM=Reduced Matrix, CS=	:Covered	I/Coated Sand (Brains; Locat	tion: PL=P	ore Lining, M=Matr	ix)				
		Matrix				Mottl	00					
Depth (In.)		Color (Moist)	%	Color (f	Moiet)	%	Type	Location	Texture	Remarks		
0-3	Hue_10YR		100	Coloi (i	vioisi)	/0	Туре	Location	MP	IVeillaiks		
3-7	Hue_10YR		70	Hue_10YR	5/2	30	С	M	M	ah alla praeset		
7-21	Hue_10YR		100	Tide_TOTIX	3/2	30		IVI	M	shells present		
1-21	TIGC_TOTIC	2/1	100						IVI			
NRCS Hydr	ic Soil Field	Indicators (check her	e if inc	licators are n	ot presen	t):			1	1		
III. Conyan	10 0011 1 1010	(oncon not	0 11 1110		ot procen	·/·			Indicators f	for Problematic Soils ¹		
✓	A1- Histosol			S5 - Sandy R	edox					fuck (LRR I, J)		
	A2 - Histic Epipedon 🗆 S6 - S				Matrix				A16 - Coast	Prairie Redox (LRR F, G, H)		
	A3 - Black His		F1 - Loamy M F2 - Loamy G						urface (LRR G)			
	A4 - Hydroge	Plains Depressions (LRR H, outside MLRA 72, 73) ced Vertic										
		Layers (LRR F) ck (LRR FGH)	Parent Material									
	□ A11 - Depleted Below Dark Surface □ F7 - Depleted Dark Surface □ TF12 - Very Shallow Dark Surface											
	□ A12 - Thick Dark Surface □ F8 - Redox Depressions □ Other (Explain in Remarks)											
	S1 - Sandy M	•	、	F16 - High Pla	ains Depres	sions (ML	_RA 72, 73 of LRF	RH)				
		lucky Peat or Peat (LRR G, H cky Peat or Peat (LRR F)	J						¹ Indicators of h	nydrophytic vegetation and wetland hydrology must be present,		
	S4 - Sandy G	•								ed or problematic.		
Ī		-										
Restrictive Laver	r Tyne:			Denth:			Hydric So	il Present?	· V			
Restrictive Layer			_	Depth:				il Present?		hydric soil indicator A1-Histosol.		

WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site	e: L3R				Sample Point: w-154n44w31-l2
/EGETATIC	(Species identified in all uppercase ar	e non-native	e species.)		
Tree Stratum	(Plot size: 30 ft. radius)				
	<u>Species Name</u>	% Cover	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet
1.	Populus tremuloides	50	Υ	FAC	
2.	Populus balsamifera	15	Υ	FACW	Number of Dominant Species that are OBL, FACW, or FAC: 6 (A)
3.					`` '
4.					Total Number of Dominant Species Across All Strata: 8 (B)
5.					Total Namber of Bernmant epodes Noross 7th Strata.
					Demonstrat Demonstrat Charles That Are ODL FACIAL as FAC: 75.00/ (A/D)
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 75.0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp65
	Total Cover =	65			FACW spp. $\frac{45}{45}$ $\times 2 = \frac{90}{90}$
					FAC spp. 55 $\times 3 = 165$
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp. 10 $x 4 = 40$
1.	Toxicodendron rydbergii	10	Υ	FACU	UPL spp. $5 \times 5 = 25$
2.	Salix discolor	5	Y	FACW	
3.		5		FAC	Total 190 (A) 205 (D)
	Populus tremuloides		Y		Total 180 (A) 385 (B)
4.	Cornus rugosa	5	Y	NI	
5.					Prevalence Index = B/A = 2.139
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.					X Dominance Test is > 50%
	Total Cover =	25			X Prevalence Index is ≤ 3.0 *
Llaula Otuationa	(Dist size of \$1 and live)				Morphological Adaptations (Explain) *
	(Plot size: 5 ft. radius)		Υ	ODI	Problem Hydrophytic Vegetation (Explain) *
1.	Carex stricta	65	•	OBL	* In diagrams of books and one developed books as a fine
2.	Phalaris arundinacea	20	Y	FACW	* Indicators of hydric soil and wetland hydrology must be
3.	Symphyotrichum lateriflorum	5	N	FACW	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.					- Capinig/Citab
					-
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size.
13.					
14.					
15.				_	Woody Vines - All woody vines, regardless of height.
	Total Cover =	90			
	1014.0010.				
Moody Vino S	Stratum (Plot aiza: 20 ft. radius)				
1	Stratum (Plot size: 30 ft. radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present?Y
5.					
4.					
	Total Cover =	0			
Remarks:	The canopy is dominated by quaking aspen	and balsar	n poplar. T	The under	story is dominated by poison-ivy and a mixture of shrub species. Tussock sedge
	and reed canary grass dominate the herbace	eous layer.			
	, 5	2,70			
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<u>Additional</u>	kemarks:				