WETLAND DETERMINATION DATA FORM Great Plains Region

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Project/Site: L3R											Date: County:	06/24/14		
Applicant:				0.1 . 44.54				\	or LDD). MLDA 50			Marshall		
	vestigators: BEH/BCS					Subregion	•	or LRR):	MLRA 56		State:	MN		
Soil Unit:	<u>I15A</u>				_			Classification:			_			
Landform:	Depression			Local Relief: CL				20007			Sample Point:	w-156n46w34-b2		
Slope (%):	0 - 2%		Latitude: 4			Longitude:			Datum:		. .			
		nditions on the site				Ir'? (If no, exp	1			□ No	Section:			
Are Vegetation			•	•	disturbed?		Are	normal circum	•	esent?	Township:			
Are Vegetation		, ,	□aturally	y prob	lematic?			Yes	□ No		Range:	Dir:		
SUMMARY C														
Hydrophytic \	Vegetation P	resent?	Y	'es						Is Present?				
Wetland Hyd	Irology Prese	nt?	Y	'es					Is This Sa	mpling Poir	nt Within A We	etland? Yes		
Remarks:	The wetland	d is located in a roa	adside dito	ch do	minated by	woolly sec	lge, sand	dbar willow, and	d arctic rush	า.				
HYDROLOG	Υ													
		icators (Check all	that annly	v: Min	imum of on	o nrimary	or two se	econdary requir	.eq):					
	•	icators (Check all	ιπαι αρριγ	y, iviii i	iiiiiuiii oi oii	e primary	OI TWO SE	econdary requir	eu).	Secondary:				
<u>Primary:</u> □ A1 - Surface Water					П	B11 - Salt (Crust				B6 - Surface S	oil Cracks		
						B13 - Aqua						/egetated Concave Surface		
V	A3 - Saturation					C1 - Hydro		e Odor		_	B10 - Drainage			
	B1 - Water M					C2 - Dry Se						Rhizospheres on Living Roots (tilled)		
	B2 - Sedimen	•						pheres on Living	Roots (not till	lŧ 📙	C8 - Crayfish E			
	B3 - Drift Dep					C4 - Prese						Visible on Aerial Imagery		
	B4 - Algal Ma			□ C7 - Thin Muck Surface □							D2 - Geomorpl D5 - FAC-Neut			
	B5 - Iron Dep	อรแร on Visible on Aerial Ima	agery			Other (Exp	iairi)					ved Hummocks (LRR F)		
	B9 - Water-St		lagery							_	D1 - 1103(-1168	ved Hammocks (ERRY)		
Field Observ	vations:													
Surface Water		Voc	D)onth:		(in)								
		Yes		Depth: (in.) Depth: (in.)					Wetland F	Hydrology	Present? Y			
Water Table		Yes												
Saturation Pr	resent?	Yes 🔟	U	peptn: _	U	(111.)	Saturation Present? Yes Depth: 0 (in.)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:														
Describe Reco	orded Data (s	stream gauge, monit	toring well,	l, aeria	al photos, pre	evious insp	ections),	if available:						
Remarks:	`	stream gauge, monit		l, aeria	al photos, pre	evious insp	ections),	if available:						
	`			l, aeria	al photos, pre	evious insp	ections),	if available:						
	`			l, aeria	al photos, pre	evious insp	ections),	if available:						
Remarks: SOILS Profile Descri	The soil is s	saturated at the sur	rface.	ocum	ent the indi	cator or co	onfirm the	e absence of in						
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	ic Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge	be to the depth nedetion, RM=Reduced Marix Color (Moist) Indicators (checking Sulfide	rface.	ocum overed/ %	Coated Sand Coated Sand Coated Sand Color (I	cator or co Grains; Locat Moist) not present	Mottle %	e absence of in ore Lining, M=Matri es Type	Location	Indicators f A9 - 1 cm M A16 - Cost F S7 - Dark S F16 - High F	luck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depressic	: Soils¹		
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	The soil is sometiment of the soil is sometiment. A1- Histosol A2- Histic Ep A3- Black Historoge. A4- Hydroge. A5- Stratified.	be to the depth nedetion, RM=Reduced Marix Matrix Color (Moist) Indicators (checking Sulfide Layers (LRR F)	rface.	if indi	Color (I Coated Sand Coated Sand Color (I Coated Sand Color (I Col	cator or co Grains; Locat Moist) oot presentedox Matrix lucky Mineralleyed Matrix Matrix	Mottle % t):	e absence of in ore Lining, M=Matri es Type	Location	Indicators f A9 - 1 cm M A16 - Cost F S7 - Dark S F16 - High F F18 - Reduc	luck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depressio ced Vertic	: Soils¹ RR F, G, H)		
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) NRCS Hydr	ic Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydrogei A5 - Stratified A9 - 1 cm Mu A11 - Deplete	be to the depth nedetion, RM=Reduced Marix Color (Moist) Indicators (checking Sulfide Layers (LRR F) ck (LRR FGH) and Below Dark Surface	rface.	if indi	cators are r S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy G F3 - Depleted F6 - Redox D F7 - Depleted	cator or co Grains; Locat Moist) ot present edox Matrix lucky Minera eleyed Matrix Matrix ark Surface Dark Surface	Mottle % t):	e absence of in ore Lining, M=Matri es Type	Location	Indicators f A9 - 1 cm M A16 - Cost F S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very	luck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depressic ced Vertic Parent Material Shallow Dark S	Soils ¹ RR F, G, H) ONS (LRR H, outisde MLRA 72, 73)		
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-156n46w34-b2
VEGETATION (e non-native	species.)		
Tree Stratum ((Plot size: 30 ft. radius) <u>Species Name</u>	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.	<u>Species viainite</u>	<u>70 0010.</u>		<u></u>	
2.					Number of Dominant Species that are OBL, FACW, or FAC: 3 (A)
3.					`` ` '
4.					Total Number of Dominant Species Across All Strata: 3 (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. 35
	Total Cover =	0	_		FACW spp. 55 $\times 2 = 110$
0 1: /0! /	Otrations (Districts AF ft and line)				FACW spp. 55
	Stratum (Plot size: 15 ft. radius)	30	Y	FACW	FACU spp. $\frac{15}{2}$ \times $4 = \frac{60}{2}$
1. 2.	Salix interior	5	 N	FACW	$OPL spp. \underline{\qquad \qquad } X S = \underline{\qquad \qquad } U$
3.	Salix discolor	<u> </u>	11	IACVV	Total 110 (A) 220 (B)
4.					Total (A)(B)
5.					Prevalence Index = B/A = 2.000
6.					1 Tovalonios Index = 5/7 (=
7.					
8.					Hydrophytic Vegetation Indicators:
9.					X Rapid Test for Hydrophytic Vegetation
10.					X Dominance Test is > 50%
	Total Cover =	35			X Prevalence Index is ≤ 3.0 *
					Morphological Adaptations (Explain) *
Herb Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Carex pellita	35	Υ	OBL	
2.	Juncus arcticus	20	Υ	FACW	* Indicators of hydric soil and wetland hydrology must be
3.	Poa pratensis	10	N	FACU	present, unless disturbed or problematic.
4.	Solidago gigantea	5	N	FAC	Definitions of Vegetation Strata:
5.	Cirsium arvense	5	N	FACU	
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.					height (DBH), regardless of height.
8.					O II (OI I Weath plants less than 2 in DDII pagendless of height
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.
10.					
11.				_	Herb - All herbaceous (non-woody) plants, regardless of size.
12.					Herb - All herbaceous (hon-woody) plants, regardless of size.
13. 14.					
15.					Woody Vines - All woody vines, regardless of height.
13.	Total Cover =	75			VVOOLY VIIIes - 7 iii viessi, Tegaraises ei meighi.
	Total Cover =	73	_		
Woody Vine St	ratum (Plot size: 30 ft. radius)				
1.	ratum (Flot size: 50 ft. radius)				
2.					
3.					Hydrophytic Vegetation Present?
5.					
4.					
	Total Cover =	0			
Remarks:	The ditch is dominated by woolly sedge, san	dbar willow	, and arcti	ic rush.	
	· -				
Additional R	Remarks:				
Ī					