## WETLAND DETERMINATION DATA FORM Great Plains Region

r=		I =								T =		
Project/Site:		L3R								Date:	09/17/14 Maraball	
Applicant:				Cubragian (MLDA or LDD), MLDA 56						County:	Marshall	
Investigators: Soil Unit:				Subregion (MLRA or LRR): MLRA 56						State:	MN	
Landform:						NWI Classification: PEMCd Local Relief: CC					w-156n46w33-n1	
Slope (%):	0 - 2%		Latitude: 48.2		Longitude:		367	Datum:		Jampie	. W-10011 <del>1</del> 01100 111	
. , ,		onditions on the sit							□ No	Section:		
Are Vegetation	, ,	l ☑, or Hydrology					normal circun			Township:		
Are Vegetation	•	l □, or Hydrology		•			□ Yes	☑ No		Range:	Dir:	
SUMMARY C												
Hydrophytic \	•		Yes						ls Present?			
Wetland Hyd			Yes							nt Within A W		
Remarks:		•		•	•		•		•		se. The soils are disturbed	from
		wetland area was	s planted throu	ugh this sprin	g but there	are few	soybeans grov	wing in the v	vetland and	those prese	nt are stunted.	
HYDROLOGY	Υ											
Wetland Hy	drology Ind	icators (Check all	II that apply; M	linimum of on	e primary	or two se	econdary requi	red):				
Primary:				_	5.14 O-lt (	<u>.</u>			Secondary		5 !! <b>6</b> . !	
	A1 - Surface A2 - High Wa				B11 - Salt ( B13 - Aqua				<b>☑</b>	B6 - Surface S	Soil Cracks Vegetated Concave Surface	
	A2 - Fight Wa				C1 - Hydro		e Odor			B10 - Sparsely		
	B1 - Water M	arks			C2 - Dry Se	eason Wat	er Table			C3 - Oxidized Rhizospheres on Living Roots (tilled) C8 - Crayfish Burrows C9 - Saturation Visible on Aerial Imagery		
	B2 - Sedimer	•					pheres on Living	Roots (not till	• 0			
<b>▽</b>	B3 - Drift Dep B4 - Algal Ma			П	C4 - Presei C7 - Thin M					D2 - Geomorp		
	B5 - Iron Dep				Other (Expl					D5 - FAC-Neu		
		on Visible on Aerial Im	nagery		` '	,				D7 - Frost-He	aved Hummocks (LRR F)	
	B9 - Water-S	tained Leaves										
Field Observ												
Field Observ		V	<b>D</b>		/: \							
Surface Water		Yes	Depth		- (in.)			Wetland F	lydrology	Present?	Υ	
Water Table Saturation Pr		Yes □ Yes □	Depth Depth		_ (in.) _ (in.)						<del></del>	
Saluration	I COCIII!		LYCLIN									
5 " 5			<u>'</u>		<u> </u>							
	orded Data (s	stream gauge, mon	nitoring well, ae	rial photos, pr	evious insp							
Describe Reco	orded Data (s	stream gauge, mon	nitoring well, ae s and the dried	rial photos, pro	evious insp			tland; drift d	eposits of a	crop residue	are present around the wetl	land
Remarks:	orded Data (s	stream gauge, mon	nitoring well, ae s and the dried	rial photos, pro	evious insp			tland; drift d	eposits of o	crop residue	are present around the wetl	land
Remarks:	orded Data (s There are s edge. Indic	stream gauge, mon surface soil cracks cators of wetland h	nitoring well, ae s and the dried nydrology are p	rial photos, produced remnants of present.	evious insp f an algal c	crust thro	ughout the wet		eposits of o	crop residue	are present around the wetl	land
Remarks:  SOILS Profile Descri	orded Data (s There are s edge. Indic	stream gauge, mon	nitoring well, ae s and the dried nydrology are peeded to docu	rial photos, produced remnants of present.	evious insp f an algal c	erust throu	ughout the wet	ndicators.)	eposits of o	crop residue	are present around the wetl	land
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Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-10	orded Data (s There are s edge. Indice iption (Description, D=Depl	stream gauge, mon surface soil cracks cators of wetland had libe to the depth ne etion, RM=Reduced Matrix Color (Moist)	nitoring well, ae s and the dried hydrology are peeded to docu	rial photos, produced remnants of coresent.  ment the indicad/Coated Sand Coated Coate	evious insp f an algal c cator or co Grains; Locat	onfirm the	e absence of in ore Lining, M=Matr	ndicators.)	Texture FSL		Remarks	land
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Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-10 10-18 10-18  NRCS Hydri	There are sedge. Indicate intration (Description (Description), D=Deptember 10YR Hue_2.5Y Gley1	stream gauge, mon surface soil cracks eators of wetland had been been been been been been been bee	eeded to docu Matrix, CS=Covered 40	rial photos, produced remnants of present.  ment the indicators and control of the control of th	evious insperior an algal content or content	onfirm the ion: PL=Po	e absence of in ore Lining, M=Matr es Type	Location	Texture FSL FS SC  Indicators A9 - 1 cm N A16 - Coast	in bands fine sandy. Calc	Remarks  c Soils <sup>1</sup> (LRR F, G, H)	land
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Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-10 10-18 10-18  NRCS Hydri	There are sedge. Indicate Indi	stream gauge, mon surface soil cracks eators of wetland had been been been been been been been bee	eeded to documentarix, CS=Covered    %   100   40   60     heck here if in	rial photos, prodremnants of present.  ment the indicators are respectively.  S5 - Sandy R S6 - Stripped F1 - Loamy R F2 - Loamy R F3 - Depleted	evious insperiments an algal content of cont	monting the months of the mont	e absence of in ore Lining, M=Matr es Type	Location	Texture FSL FS SC  Indicators A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High I F18 - Reduce	in bands fine sandy. Calc  for Problemati fluck (LRR I, J) t Prairie Redox surface (LRR G) Plains Depressi ced Vertic	Remarks  c Soils <sup>1</sup> (LRR F, G, H)	land
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Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-10 10-18 10-18  NRCS Hydri	There are sedge. Indicate ption (Description (Description, Depointmentation, Depoint	stream gauge, mon surface soil cracks eators of wetland had be ibe to the depth need	mitoring well, ae s and the dried hydrology are peeded to documentarix, CS=Covered 40 60 heck here if in	rial photos, prodremnants of present.  ment the indicators are respectively.  S5 - Sandy R S6 - Stripped F1 - Loamy R F2 - Loamy R F3 - Depleted	evious insperience of an algal of cator or conference or cator or	mottle  Mottle  t):	e absence of in ore Lining, M=Matr es Type	Location	Indicators: A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High I F18 - Reduct TF2 - Red F TF12 - Very	in bands fine sandy. Calc for Problemati fuck (LRR I, J) t Prairie Redox surface (LRR G) Plains Depressi ced Vertic Parent Material of Shallow Dark	Remarks  c Soils¹ (LRR F, G, H)  ons (LRR H, outside MLRA 72, 73)  Surface	land
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## WETLAND DETERMINATION DATA FORM

**Great Plains Region** 

Project/Site	: L3R				Sample Point: w-156n46w33-n1
VEGETATIO	` '	re 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: 2 (A)
3.					
4.					Total Number of Dominant Species Across All Strata: 3 (B)
5.					(2)
					Paragraph of Description to Conscious That Are CDI FACIAL on FAC: 66.79/ (A/D)
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 66.7% (A/B)
7.					
8.		I			Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. $0   x   1 = 0$
	 Total Cover =	0			OBL spp. 0
					FAC spp. $\frac{3}{3}$ $\times 3 = \frac{9}{9}$
Sanling/Shrub	Stratum (Plot size: 15 ft. radius)				FACH spp
	Stratum (1 lot size. 15 ft. radius)				1 AOO 3pp
1.					$\begin{array}{cccccccccccccccccccccccccccccccccccc$
2.					
3.					Total 8 (A) 25 (B)
4.					
5.					Prevalence Index = $B/A = 3.125$
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
					· · · · · · · · · · · · · · · ·
10.					X Dominance Test is > 50%
	Total Cover =	= 0			Prevalence Index is ≤ 3.0 *
					Morphological Adaptations (Explain) *
Herb Stratum	(Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Artemisia biennis	3	Υ	FACU	
2.	Chenopodium glaucum	3	Υ	FAC	* Indicators of hydric soil and wetland hydrology must be
3.		2		FACW	present, unless disturbed or problematic.
	Hordeum jubatum		T	FACVV	·
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.					· All book account (non-viscolit) intents incompliance of circ
12.					<b>Herb</b> - All herbaceous (non-woody) plants, regardless of size.
13.					]
14.					
15.					Woody Vines - All woody vines, regardless of height.
	Total Cover =	= 8			
	Total Gover =	·			
	· · · (D) · · · · · · · · · · · · · · · · · · ·				
Woody Vine S	tratum (Plot size: 30 ft. radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present?Y
5.					
4.					
	Total Cover =	= 0			
Remarks:	An annual weed-dominated community with sparse wetland. Hydrophytic vegetation is indicated based	cover of rece			The area was planted through this year but there are only a few stunted soybeans growing in the nt. The vegetation is disturbed from herbicide use, which is evident from the dead plants around
	the edge of the field.				
Additional I	Remarks:				