## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	06/25/14	
Applicant:										County:	Marshall	
				Subregion (MLRA or LRR): MLRA 5						State:	MN	
	vestigators: EAB/NTT/KRG			Subregion (MLRA or LRR): MLRA 56						Siale.		
Soil Unit:	I133A Depression		NWI Classification: Local Relief: CL						Comple Deint	w 159p19w0 b1		
Landform:	Depression		1				67	Deture		Sample Point	w-158n48w9-b1	
Slope (%):	0 - 2%	nalitiona an tha aite	Latitude: 48.52					Datum:				
		nditions on the site			ar : (If no, expl			□ Yes	☑ No	Section:		
Are Vegetati		□, or Hydrology	• •			Are	normal circun	•	esent?	Township:		
Are Vegetati		□, or Hydrology	Daturally pro	blematic?			⊠ Yes	□ No		Range:	Dir:	
SUMMARY (												
	Vegetation P		Yes		_				s Present?			
Wetland Hyd	drology Prese	nt?	Yes					Is This Sar	mpling Poin	t Within A W	etland? Yes	
Remarks:	The wetland	t is a shallow catta	il marsh locate	ed between	fields of sug	gar beets	and soybean	s. The fields	s drain into	the wetland.		
HYDROLOG												
-		icators (Check all	that apply; Mi	nimum of or	ne primary c	or two sec	condary requi	red):	_			
Primary									Secondary:			
	A1 - Surface				B11 - Salt C					B6 - Surface S		
☑ ☑	A2 - High Wat A3 - Saturatio				B13 - Aquat C1 - Hydrog		Odor			B8 - Sparsely B10 - Drainage	Vegetated Concave Surface	
	B1 - Water Ma										Rhizospheres on Living Roots (tilled)	
	B2 - Sedimen					<ul> <li>Dry Season Water Table</li> <li>Oxidized Rhizospheres on Living Roots (not till</li> </ul>					Burrows	
	B3 - Drift Dep	•			C4 - Presen			(		•	n Visible on Aerial Imagery	
	B4 - Algal Ma	t or Crust			C7 - Thin M	luck Surfac	e		$\checkmark$	D2 - Geomorp	hic Position	
	B5 - Iron Dep				Other (Expla	ain)				D5 - FAC-Neu		
		n Visible on Aerial Ima	agery							D7 - Frost-Hea	aved Hummocks (LRR F)	
	B9 - Water-St	ained Leaves										
Field Obser	vations:											
Surface Wat	ter Present?	Yes 🗹	Depth:	8	_ (in.)			Wotland H	lydrology I	Procent?	Y	
Water Table	Present?	Yes 🛛	Depth:	0	_ (in.)				iyarology i	iesent:	<u> </u>	
Saturation Present? Yes 🛛 Depth: 0 (in.)												
		Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:										
		stream dauge monit	toring well aeri	al photos pr	- evious inspe	ections) if	f available:					
Describe Rec	corded Data (s		-	· ·				turation and	surface wa	ator dopths		
	corded Data (s	stream gauge, monit er is present throu	-	· ·				turation and	surface wa	ater depths.		
Describe Rec Remarks:	corded Data (s		-	· ·				turation and	surface wa	ater depths.		
Describe Rec Remarks: SOILS	corded Data(s <mark>Surface wat</mark>	er is present throu	ighout the wet	and. Recen	t rains have	e influenc	ed current sa		surface wa	ater depths.		
Describe Rec Remarks: SOILS Profile Descr	corded Data (s Surface wat	er is present throu	eded to docun	and. Recen	t rains have	e influenc	ed current sa absence of ir	dicators.)	surface wa	ater depths.		
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Describe Rec Remarks: SOILS Profile Descr (Type: C=Conce	corded Data (s Surface wat	ter is present throu be to the depth ner etion, RM=Reduced Ma Matrix	eded to docun	and. Recen	t rains have	e influenc nfirm the on: PL=Por Mottles	ed current sa absence of ir e Lining, M=Matr	idicators.)		ater depths.	Remarks	
Describe Rec Remarks: SOILS Profile Descr (Type: C=Conce Depth (In.)	corded Data (s Surface wat	be to the depth net etion, RM=Reduced Ma Matrix Color (Moist)	eded to docun atrix, CS=Covered	and. Recen	t rains have	e influenc nfirm the on: PL=Por	ed current sa absence of in e Lining, M=Matr	dicators.)	Texture	ater depths.	Remarks	
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Describe Rec Remarks: SOILS Profile Descr (Type: C=Conce Depth (In.) 0-12 12-18	corded Data (s Surface wat ription (Descri entration, D=Deple Hue_10YR Hue_10YR Hue_10YR	be to the depth negetion, RM=Reduced Ma Matrix Color (Moist) 2/1 2/1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	eded to docum atrix, CS=Covered % 100 100 eck here if ind	and. Recen	t rains have	e influenc	ed current sa absence of in e Lining, M=Matr s Type	Location	Texture MMI CL Indicators f A9 - 1 cm M	or Problemation uck (LRR I, J)	<u>c Soils<sup>1</sup></u>	
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## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	: L3R				Sample Point: w-158n48w9-b1			
VEGETATIO		e non-native	species.)					
Tree Stratum	(Plot size: 30 ft. radius) Species Name	<u>% Cover</u>	Dominant	Ind.Status	Dominance Test Worksheet			
1.	<u>Species Name</u>	<u>/// Cover</u>	Dominant	<u>mu.status</u>				
2.					Number of Dominant Species that are OBL, FACW, or FAC: 2 (A)			
3.								
4.	J				Total Number of Dominant Species Across All Strata: 2 (B)			
5.								
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: <b>100.0%</b> (A/B)			
7.								
8.	<u></u>				Prevalence Index Worksheet			
9.					Total % Cover of: Multiply by:			
10.					OBL spp. $55 \times 1 = 55$			
	 Total Cover =	0			FACW spp.       20       x       2 =       40         FAC spp.       0       x       3 =       0         FACU spp.       5       x       4 =       20			
	-				FAC spp. 0 $x 3 = 0$			
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp. 5 x 4 = $20$			
1.					UPL spp. 0 $x 5 = 0$			
2.								
3.					Total <u>80</u> (A) <u>115</u> (B)			
4.								
5.					Prevalence Index = $B/A = $ <b>1.438</b>			
6.								
7.								
8.					Hydrophytic Vegetation Indicators:			
9.					Rapid Test for Hydrophytic Vegetation			
10.					X Dominance Test is > 50%			
	Total Cover = _	0			X Prevalence Index is ≤ 3.0 *			
					Morphological Adaptations (Explain) *			
	(Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *			
1.	Typha X glauca	25	Y	OBL				
2.	Phragmites australis	20	<u> </u>	FACW	* Indicators of hydric soil and wetland hydrology must be			
3.	Typha latifolia	15	<u>N</u>	OBL	present, unless disturbed or problematic.			
4.	Typha angustifolia	15	<u>N</u>	OBL	Definitions of Vegetation Strata:			
5.	Elymus repens	5	N	FACU				
6					<b>Tree -</b> Woody plants 3 in. (7.6cm) or more in diameter at breast			
7.					height (DBH), regardless of height.			
8.					<b>O</b> and the state Weadly plants less than 2 in DPH, regardless 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. 13.					<b>TELD -</b> An horbaceous (non-woody) plants, regardless of size.			
13.								
14.					Woody Vines - All woody vines, regardless of height.			
13.	Total Cover =	80			Troody Tilles - A mossly those regulated of hogh			
		00	_					
Maadu Vina St	tratum (Plat aiza: 20 ft radiua)							
1	tratum (Plot size: 30 ft. radius)							
2.								
3.					Hydrophytic Vegetation Present? Y			
5.	-							
4.	·							
····	Total Cover =	0						
Remarks:	The community is not very diverse and consis	-	ly of mixe	d cattails a	and common reed.			
			y 21 11110					
	Remarks							
Additional Remarks:								