WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date: County:	08/21/14	
Applicant:											Marshall	
Investigators: BEH/RAJ				Subregion (MLRA or LRR): MLRA 56							MN	
Soil Unit:	NWI Classification: PEM/SS1B							3	.	450 40 04 0		
	andform: Depression Local Relief: CC Sample Point: w-156n46w21-e2											
Slope (%):	0 - 2%	nditions on the city	Latitude: 48.3		Longitude:			Datum:		Continu		
		nditions on the site			al ! (If no, exp			☑ Yes	□ No	Section:		
Are Vegetation		□, or Hydrology	•			Are	e normal circum	•	esent?	Township:	D:	
Are Vegetation			□aturally pro	bbiematic?			✓ Yes	□ No		Range:	Dir:	
			Yes					Hydric Sci	le Drocont?	Voc		
Hydrophytic Vegetation Present? Wetland Hydrology Present?					-		Hydric Soils Present? Is This Sampling Poin				etland? Yes	
Remarks:			Yes v is dominated	hy meadow	willow pra	airie cor	darass and who		ripiirig r oii	it vvitilii A vvi	etiana: 163	
Remarks: The shallow marsh community is dominated by meadow willow, prairie cordgrass, and wheat sedge.												
HYDROLOG	Y											
		icators (Check all	I that apply: M	inimum of or	e primary	or two se	econdary requir	.eq).				
Primary:		ioatoro (eneek an	i triat apply, ivi		o primary	51 two 5	occinatily roquii	ou).	Secondary	:		
	A1 - Surface \	Water			B11 - Salt (Crust				B6 - Surface S	oil Cracks	
	A2 - High Wa				B13 - Aqua						/egetated Concave Surface	
	A3 - Saturatio				C1 - Hydrog					B10 - Drainage		
✓	B1 - Water Ma B2 - Sedimen				C2 - Dry Se		spheres on Living	Roots (not till	. □	C3 - Oxidized i	Rhizospheres on Living Roots (tilled)	
	B3 - Drift Dep	•			C4 - Preser			110013 (1101 1111	`	-	Nisible on Aerial Imagery	
	B4 - Algal Ma				C7 - Thin M	luck Surfa			✓	D2 - Geomorpl	nic Position	
	B5 - Iron Dep				Other (Expl	ain)			☑	D5 - FAC-Neut		
	B7 - Inundation B9 - Water-St	n Visible on Aerial Im	nagery							D7 - Frost-Hea	ved Hummocks (LRR F)	
	by - water-st	allieu Leaves										
Field Observ	vations:											
Surface Wate		Yes	Depth) .	(in.)							
Water Table		Yes	Depth		- (in.)			Wetland F	lydrology	Present?	Υ	
Saturation Pr		Yes	Depth		(in.)						_	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:												
Libertine Pace	orded Data (s	tream gauge moni	itoring well ag	rial photos pr	` ` ′	ections)	if available:					
					` ` ′	ections),	if available:					
Remarks:		stream gauge, moni s are evident on s			` ` ′	ections),	if available:					
Remarks:					` ` ′	ections),	if available:					
Remarks:	Water mark	s are evident on s	surrounding ve	egetation.	evious insp			dicators.)				
Remarks: SOILS Profile Descri	Water mark		surrounding ve	egetation. ment the indi	evious insp	nfirm th	e absence of in					
Remarks: SOILS Profile Descri	Water mark	be to the depth ne	surrounding ve	egetation. ment the indi	evious insp	nfirm th	e absence of in					
Remarks: SOILS Profile Descri	Water mark	s are evident on s	surrounding ve	egetation. ment the indi	evious insp	nfirm th	e absence of in ore Lining, M=Matri					
Remarks: SOILS Profile Descri	Water mark	be to the depth ne	surrounding ve	egetation. ment the indi	evious insp cator or co Grains; Locat	nfirm the	e absence of in ore Lining, M=Matri		Texture		Remarks	
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site	: L3R				Sample Point: w-156n46w21-e2				
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: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. $\frac{60}{}$ $\times 1 = \frac{60}{}$				
10.		0			FACW spp. $\frac{63}{63}$ \times $2 = \frac{126}{126}$				
	Total Gover =		FAC spp. 0 x 3 - 0						
Sanling/Shrub	Stratum (Plot size: 15 ft. radius)				FAC spp. 0				
1.		35	V	OBL	I FACU Spp. 0 X 4 = 0				
	Salix petiolaris		NI	FACW	$\frac{0}{1}$				
2.	Cornus alba	3	N	I ACVV	Total 422 (A) 400 (D)				
3.					Total 123 (A) 186 (B)				
4.					Daniel 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				
5.					Prevalence Index = B/A = 1.512				
6.									
7.									
8.					Hydrophytic Vegetation Indicators:				
9.					X Rapid Test for Hydrophytic Vegetation				
10.					X Dominance Test is > 50%				
	Total Cover =	38			X Prevalence Index is ≤ 3.0 *				
					Morphological Adaptations (Explain) *				
Herb Stratum	(Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *				
1.	Spartina pectinata	40	Υ	FACW					
2.	Carex atherodes	20	Υ	OBL	* Indicators of hydric soil and wetland hydrology must be				
3.	Phalaris arundinacea	15	N	FACW	present, unless disturbed or problematic.				
4.	Asclepias incarnata	5	N	FACW	Definitions of Vegetation Strata:				
5.	Persicaria amphibia	5	N	OBL	j				
6	T Grateana ampriibia			<u> </u>	Tree - Westerlands Oir (7 Com) an arranging discrete at based				
7.					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.				
8.					10.g.n. (221.7), regardess 3. no.g.m.				
					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.				
9.					Sapling/Snrub - Woody plants less than 3 m. DBH, Tegardless of height.				
10.									
11.									
12.					Herb - All herbaceous (non-woody) plants, regardless of size.				
13.									
14.									
15.					Woody Vines - All woody vines, regardless of height.				
	Total Cover =	85							
Woody Vine S	tratum (Plot size: 30 ft. radius)								
1.									
2.									
3.					Hydrophytic Vegetation Present?				
5.									
4.									
	Total Cover =	0							
Pomarks:			orh lavor i	ic dominat	end by prairie cordarase and wheat codae				
Remarks:	The shrub layer is dominated by meadow wil	now. THE N	iero layer l	อ นบททาสโ	eu by prairie corugrass and wheat seuge.				
Additional Remarks:									