WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R									Date:	06/24/14	
Applicant:										County:	Marshall		
Investigators	s: NTT/KRG				Subregion (MLRA or LRR): MLRA 56						State:	MN	
Soil Unit:	I15A							I Classification:			4		
Landform:	Depression)				cal Relief:					Sampla Pain	t: w-156n46w34-b1	
		1	Latituda.	10 207				677	Deture		Sample Full	. <u>W-1301140W34-D1</u>	
Slope (%):	3 - 7%	Personal and the second second	Latitude: 4			Longitude:			Datum:				
Are climatic/	, ,	onditions on the si				ar? (If no, expl				□ No	Section:		
Are Vegetati	ion 🛛 Soi	il 🛛, or Hydrology	′ ⊏significa	antly o	disturbed?		Are	e normal circum	istances pre	esent?	Township:		
Are Vegetati	ion 🗆 Soi	I □, or Hydrology		y prob	plematic?			☑ Yes	□ No		Range:	Dir:	
SUMMARY (, , ,	, 	5 1							U		
			V	100					Lludria Sail	o Drocont?	Vee		
Hydrophytic	-			res		-			Hydric Soil				
Wetland Hyd				res							it Within A W	Vetland? Yes	
Remarks:	The wetlan	d is a wet meadov	w located w	vithin a	a roadside	ditch and d	ominate	ed by Equisetum	n fluviatile a	nd Elymus	repens.		
										-			
HYDROLOG	2V												
HIDKOLOG													
Wetland Hy	ydrology Inc	licators (Check al	II that apply	y; Min	nimum of on	e primary o	or two se	econdary requir	ed):				
Primary		Ŷ							,	Secondary:			
 V	A1 - Surface	Water				B11 - Salt C	Crust				B6 - Surface	Soil Cracks	
	A2 - High Wa	ater Table				B13 - Aquat	tic Fauna				B8 - Sparsely	Vegetated Concave Surface	
\checkmark	A3 - Saturati					C1 - Hydrog)dor			B10 - Drainage Patterns	
	B1 - Water M	larks				C2 - Dry Se						Rhizospheres on Living Roots (tilled)	
	B2 - Sedimer	nt Deposits						spheres on Living	Roots (not tille		C8 - Crayfish		
	B3 - Drift De	•				C4 - Presen			(on Visible on Aerial Imagery	
	B4 - Algal Ma					C7 - Thin M					D2 - Geomor		
	B5 - Iron Dep					Other (Expla					D5 - FAC-Ne	•	
		on Visible on Aerial Ir	magerv									eaved Hummocks (LRR F)	
		Stained Leaves								_			
Field Obser	vations:												
Surface Wat	ter Present?	Yes 🛛	D	Depth:	1	(in.)						V	
Water Table		Yes 🗆	D	Depth:		(in.)			Wetland H	iyarology i	Present?	Y	
Saturation P		Yes 🗹		Depth:	0	(in.)							
Saturation	1656III !	163 🖬		Jeptin.	0	(111.)							
Describe Rec	Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:												
Remarks [.]	Soils are s	aturated throughou	ut the wetle	and w		-			throughout				
Remarks:	Soils are sa	aturated throughou	ut the wetla	and w		-			throughout.				
	Soils are sa	aturated throughou	ut the wetla	and w		-			throughout.				
SOILS		, in the second s			ith various (oockets of	shallow	standing water	Ū				
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SOILS Profile Descr	ription (Desci	, in the second s	eeded to d	locum	ith various point the indi	cator or co	shallow	standing water e absence of in	dicators.)	,			
SOILS Profile Descr	ription (Desci	ibe to the depth n	eeded to d	locum	ith various point the indi	cator or co	shallow	standing water e absence of in	dicators.)				
SOILS Profile Descr	ription (Desci	ibe to the depth n	eeded to d	locum	ith various point the indi	cator or co	shallow	standing water e absence of in ore Lining, M=Matri	dicators.)				
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SOILS Profile Descr (Type: C=Conce Depth (In.)	ription (Desci entration, D=Dep 	Tibe to the depth no Netion, RM=Reduced M Matrix Color (Moist) d Indicators (Calcolor)	eeded to d	if indi	ith various pent the indi Coated Sand Color (Color (icators are r S5 - Sandy R S6 - Stripped	Cator or con Grains; Locati Moist) Moist) not present edox Matrix	shallow nfirm the ion: PL=Pe Mottle %	standing water e absence of in ore Lining, M=Matri es Type	dicators.) x) Location	Texture Indicators f A9 - 1 cm M A16 - Cost F	luck (LRR I, J) Prairie Redox (<u>ic Soils¹</u> (LRR F, G, H)	
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-156n46w34-b1				
VEGETATIO	N (Species identified in all uppercase are	non-native	species.)						
Tree Stratum	(Plot size: 30 ft. radius)								
	<u>Species Name</u>	<u>% Cover</u>	Dominant	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.									
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: <u>66.7%</u> (A/B)				
7.									
8.					Prevalence Index Worksheet				
9.					Total % Cover of: Multiply by:				
10.					OBL spp. <u>55</u> x 1 = <u>55</u>				
	Total Cover =	0			FACW spp. 25 $x 2 = 50$				
					FAC spp. 10 X $3 = 30$				
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp. 20 x 4 = 80				
1.	Salix discolor	20	Y	FACW	UPL spp X 5 =0				
2.									
3.					Total <u>110</u> (A) <u>215</u> (B)				
4.									
5.					Prevalence Index = $B/A = $ 1.955				
6.									
7.									
8.					Hydrophytic Vegetation Indicators:				
9.					Rapid Test for Hydrophytic Vegetation				
10.					X Dominance Test is > 50%				
	Total Cover =	20			X Prevalence Index is ≤ 3.0 *				
	-				Morphological Adaptations (Explain) *				
Herb Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *				
1.	Equisetum fluviatile	40	Y	OBL					
2.	Elymus repens	20	Y	FACU	* Indicators of hydric soil and wetland hydrology must be				
3.	Rorippa palustris	10	N	OBL	present, unless disturbed or problematic.				
4.	Rumex crispus	10	Ν	FAC	Definitions of Vegetation Strata:				
5.	Phragmites australis	5	N	FACW					
6	Alisma triviale	5	N	OBL	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.									
11.									
12.					Herb - All herbaceous (non-woody) plants, regardless of size.				
12.									
14.									
14.					Woody Vines - All woody vines, regardless of height.				
10.	Tatal Cavar	00							
	Total Cover = _	90	_						
Moody Mine Of	rotum (Plot oize: 20 ft redive)								
	ratum (Plot size: 30 ft. radius)								
2.					Hydrophytic Verstation Pressr (0 V				
3.					Hydrophytic Vegetation Present? Y				
5.									
4.		^							
	Total Cover =	0							
Remarks:									
Additional Remarks:									
The wetland vegetation is dominated by Equisetum fluviatile and Elymus repens.									
		,	3 1						