WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date: 09/23/14	
Applicant:				Subragia			County: <u>Marshall</u> State: <u>MN</u>				
Investigators Soil Unit:	I24A	NTT/BEH				•	or LRR): I Classification	MLRA 56	State: <u>MN</u>		
Landform:	Depression			Lo	cal Relief:			•	Sample Point: w-155n45w34-e3		
Slope (%):						-96.426	664				
Are climatic/	hydrologic co	nditions on the site	e typical for t	his time of yea	ar? (If no, exp	1		☑ Yes	□ No	Section:	
Are Vegetati		□, or Hydrology	•	•		Are	e normal circur		esent?	Township:	
Are Vegetati		□, or Hydrology	□aturally p	roblematic?			☑ Yes	□ No		Range: Dir:	
SUMMARY O			Vee					Uvdria Sail	s Present?	Yoo	
	Vegetation Pr drology Prese		Yes Yes		-					t Within A Wetland? Yes	
Remarks:				d in an area si	urrounded	by a far	med sovbean f			ects to a nearby floodplain forest and has a	
		nage waterbody th				•	•				
HYDROLOG						·					
Wetland Hydrology Indicators (Check all that apply; Primary: Image: A1 - Surface Water Image: A2 - High Water Table Image: A3 - Saturation Image: B1 - Water Marks Image: B2 - Sediment Deposits Image: B3 - Drift Deposits				Ainimum of on	B11 - Salt B13 - Aqua C1 - Hydro C2 - Dry S C3 - Oxidiz C4 - Prese	Crust atic Fauna ogen Sulfid eason Wa zed Rhizos ence of Re	le Odor Iter Table spheres on Living duced Iron		• • •	 B6 - Surface Soil Cracks B8 - Sparsely Vegetated Concave Surface B10 - Drainage Patterns C3 - Oxidized Rhizospheres on Living Roots (tilled) C8 - Crayfish Burrows C9 - Saturation Visible on Aerial Imagery 	
Field Obser	 □ B4 - Algal Mat or Crust □ B5 - Iron Deposits □ Other (Explain) □ D5 - FAC-Neutral Test □ D7 - Frost-Heaved Hummocks (LRR F) □ B9 - Water-Stained Leaves 										
Surface Wat		Yes 🗆	Dep	th:	(in.)						
Water Table		Yes ☑	Dep	-	(in.) (in.)			Wetland H	lydrology F	Present? Y	
Saturation P	resent?	Yes 🛛	Dep		(in.)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:											
		gaage, mon		$\frac{1}{2}$	evious ilisp	pections),	if available:				
Remarks:	The wetland	l is saturated throu	<u> </u>	•							
	The wetland	<u> </u>	<u> </u>	•							
SOILS		l is saturated throu	ughout with a	a high water ta	ble preser	nt at eigh	t inches.	odicators)			
SOILS Profile Descr	iption (Descri	<u> </u>	eeded to doc	a high water ta ument the indi	ble preser	nt at eigh	<mark>t inches.</mark> e absence of ir				
SOILS Profile Descr	iption (Descri	l is saturated throu be to the depth ne	eeded to doc	a high water ta ument the indi	ble preser	nt at eigh	<mark>t inches.</mark> e absence of ir				
SOILS Profile Descri (Type: C=Concer	iption (Descri	be to the depth ne beton, RM=Reduced M Matrix	eeded to doc atrix, CS=Cover	a high water ta ument the indi ed/Coated Sand o	ble preser cator or co Grains; Loca	onfirm the tion: PL=Pe Mottle	t inches. e absence of ir ore Lining, M=Mat	rix)			
SOILS Profile Descri (Type: C=Concer Depth (In.)	iption (Descri ntration, D=Deple	be to the depth ne etion, RM=Reduced M Matrix Color (Moist)	eded to doc atrix, CS=Cover	ument the indi ed/Coated Sand of Color (ble preser cator or co Grains; Loca	onfirm the	t inches. e absence of ir ore Lining, M=Mat		Texture	Remarks	
SOILS Profile Descri (Type: C=Concer Depth (In.) 0-10	iption (Descri ntration, D=Deple Hue_10YR	be to the depth ne etion, RM=Reduced M Matrix Color (Moist) 2/1	eeded to doc atrix, CS=Cover	a high water ta ument the indi ed/Coated Sand of Color (0	ble preser cator or co Grains; Loca	onfirm the tion: PL=Pe Mottle	t inches. e absence of ir ore Lining, M=Mat	rix)	MMI	Remarks	
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SOILS Profile Descri (Type: C=Concer Depth (In.) 0-10	iption (Descri ntration, D=Deple Hue_10YR	be to the depth ne etion, RM=Reduced M Matrix Color (Moist) 2/1	eeded to doc atrix, CS=Cover	a high water ta ument the indi ed/Coated Sand (Color (0	ble preser cator or co Grains; Loca Moist)	onfirm the tion: PL=Pe Mottle	t inches. e absence of ir ore Lining, M=Mat	rix)	MMI	Remarks	
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SOILS Profile Descri (Type: C=Concer Depth (In.) 0-10 10-14 14-20	iption (Descri ntration, D=Deple Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified A9 - 1 cm Mue A11 - Deplete A12 - Thick D S1 - Sandy Me S2 - 2.5 cm M	be to the depth ne etion, RM=Reduced M Matrix Color (Moist) 2/1 2/1 2/1 5/1 Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surfac ark Surface ucky Mineral lucky Peat or Peat (LR	eeded to doc atrix, CS=Cover	a high water ta ument the indi ed/Coated Sand (Color (Color (D Hue_10YR Hue_10YR S5 - Sandy R S5 - Sandy R S5 - Sandy R S6 - Stripped F1 - Loamy C F3 - Depleted F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	cator or co Grains; Loca Moist) 6/8 6/8 ot presen edox Matrix fucky Miner Gleyed Matri Matrix ark Surface Dark Surface	al x ace	t inches. e absence of ir ore Lining, M=Mat es Type C	Location	MMI SCL SCL SCL A9 - 1 cm M A16 - Coast S7 - Dark Su F16 - High P F18 - Reduc TF2 - Red P TF12 - Very Other (Expla	or Problematic Soils ¹ uck (LRR I, J) Prairie Redox (LRR F, G, H) urface (LRR G) Plains Depressions (LRR H, outside MLRA 72, 73)	
SOILS Profile Descri (Type: C=Concer Depth (In.) 0-10 10-14 14-20 NRCS Hydr □	iption (Descrintration, D=Depleter Hue_10YR HuE_10YR HuE_10YR HuE_10YR HuE_10YR HuE_10YR HuE_10YR HuE_10YR HUE_10YR HUE_10YR HUE_10YR HUE_10YR HUE_10YR HUE_10YR HUE_10YR HUE_10YR HUE_10YR HUE_10YR HUE_10YR	be to the depth ne etion, RM=Reduced M Matrix Color (Moist) 2/1 2/1 2/1 5/1 Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surfac ark Surface ucky Mineral lucky Peat or Peat (LR	eeded to doc atrix, CS=Cover	a high water ta ument the indi ed/Coated Sand (Color (Color (D Hue_10YR Hue_10YR S5 - Sandy R S5 - Sandy R S5 - Sandy R S6 - Stripped F1 - Loamy C F3 - Depleted F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	cator or co Grains; Loca Moist) 6/8 6/8 00t presen edox Matrix Mucky Miner Gleyed Matria Matrix ark Surface I Dark Surface I Dark Surface I Dark Surface	al x ace	t inches.	Location	MMI SCL SCL SCL <u>Indicators f</u> A9 - 1 cm M A16 - Coast S7 - Dark Su F16 - High P F18 - Reduc TF2 - Red P TF12 - Very Other (Expla	or Problematic Soils ¹ uck (LRR I, J) Prairie Redox (LRR F, G, H) urface (LRR G) Plains Depressions (LRR H, outside MLRA 72, 73) red Vertic 'arent Material Shallow Dark Surface ain in Remarks)	

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Project/Site:	L3R				Sample Point: w-155n45w34-e3				
VEGETATIO		e non-native s	species.)						
Tree Stratum	(Plot size: 30 ft. radius)	_			Densin en es Test Missisch est				
4	<u>Species Name</u>	<u>% Cover</u>	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet				
1.									
2.					Number of Dominant Species that are OBL, FACW, or FAC:1 (A)				
3.									
4.					Total Number of Dominant Species Across All Strata:1(B)				
5.									
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)				
7.									
8.					Prevalence Index Worksheet				
9.					Total % Cover of: Multiply by:				
10.	Tatal Cause	0			$OBL spp. 0 \qquad x \ 1 = 0$				
	Total Cover =	0	FACW spp. 100 $\times 2 = 200$						
					FAC spp. 0 $X 3 = 0$				
	Stratum (Plot size: 15 ft. radius)				FACU spp. 0 $x 4 = 0$				
1.					UPL spp. 0 $x 5 = 0$				
2.									
3.					Total <u>100</u> (A) <u>200</u> (B)				
4.									
5.					Prevalence Index = $B/A = 2.000$				
6.									
7.					Hydrophytic Vegetation Indicators				
8.					Hydrophytic Vegetation Indicators:				
<u>9.</u> 10.					Rapid Test for Hydrophytic Vegetation				
10.	Tatal Cavar -	0			\underline{X} Dominance Test is > 50%				
	Total Cover =	0	_		$X = Prevalence Index is \le 3.0 *$				
					Morphological Adaptations (Explain) *				
	Plot size: 5 ft. radius)		V		Problem Hydrophytic Vegetation (Explain) *				
1.	Phalaris arundinacea	90	I	FACW					
2.	Rumex stenophyllus	10	N	FACW	* Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.				
3.									
4.					Definitions of Vegetation Strata:				
5.					Trees				
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.				
7.					height (DDH), regardless of height.				
8.					Continue (Charte Woody plants loss than 2 in DPH regardloss of beight				
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.				
10.									
11.					Lie - All herbesseus (per woods) plants, regardless of size				
12.					Herb - All herbaceous (non-woody) plants, regardless of size.				
13.]								
14.					Woody Visco All woody visco regardless of beight				
15.		400			Woody Vines - All woody vines, regardless of height.				
	Total Cover =	100	_						
14/ 1 1 1 -									
Woody Vine St	ratum (Plot size: 30 ft. radius)								
1.									
2.					Undressbutie Venetation Preserve 0				
3.	<u> </u>				Hydrophytic Vegetation Present? Y				
5.									
4.		0							
Domortio	Total Cover =								
Remarks:	Reed canary grass is dominant throughout the	ie wetland.							
Additional F	Remarks:								