WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	08/04/14	,
Applicant:											Marshall	
Investigators				Subregion (MLRA						State:	MN	
Soil Unit:	I24A			_			I Classification	:				
Landform:	Side slope		40.0		cal Relief:		2004			Sample Point:	u-155n45w18-e1	
Slope (%):	3 - 7%	1972 41 24	Latitude: 48.24		Longitude:			Datum:		1 .		
		nditions on the site			ar? (If no, exp	1	•		□ No	Section:		
Are Vegetation		□, or Hydrology	•			Are	e normal circun	•	esent?	Township:		
Are Vegetation		□, or Hydrology	□aturally pro	blematic?			Yes	□ No		Range:	Dir:	
SUMMARY C			NI.					Lludria Cai	la Duaganta	Na		
Hydrophytic \	_		No		•				ls Present?		otland? No	
Wetland Hyd			No	hatusan a n		ام مرم حام 4:	o whoot field \			t Within A W		
Remarks:	rne upiano	point is located or	n a siignt siope	e between a r	oadside d	itch and	a wheat field.	vegetation is	s dominated	a by wheat an	ia toaa rusn.	
LIVERGLOO	V											
HYDROLOG	Y											
_	•	icators (Check all	I that apply; M	inimum of on	e primary	or two s	econdary requi	red):				
Primary:	-			_	D. ()	•			Secondary:			
	A1 - Surface \A2 - High Wa				B11 - Salt B13 - Aqua					B6 - Surface S		20
	A2 - Flight Wa				C1 - Hydro					B10 - Sparsely	Vegetated Concave Surfac	е
	B1 - Water Ma				C2 - Dry S						Rhizospheres on Living Ro	ots (tilled)
	B2 - Sedimen	t Deposits					spheres on Living	Roots (not till	• 🗆	C8 - Crayfish E		(* /
	B3 - Drift Dep						duced Iron				n Visible on Aerial Imagery	
	B4 - Algal Ma				C7 - Thin N		ace			D2 - Geomorp		
	□ B5 - Iron Deposits□ Other (Explain)□ B7 - Inundation Visible on Aerial Imagery									D5 - FAC-Neu	tral Test aved Hummocks (LRR F)	
	B9 - Water-St		nagery							D7 - F1051-F168	aved Hullillocks (LKK F)	
_												
Field Observ	vations:											
Surface Water	er Present?	Yes	Depth	:	(in.)							
Water Table		Yes	Depth		(in.)			Wetland F	lydrology l	Present?	N	
			•		• • •							
Saturation Pr	1696111;	Yes □	Depth	:	(in.)							
			Depth		(in.)	octions)	if available:					
Describe Rec	orded Data (s	stream gauge, mon	itoring well, aeı	rial photos, pre	evious insp	ections),	if available:					
	orded Data (s		itoring well, aeı	rial photos, pre	evious insp	ections),	if available:					
Describe Reco	orded Data (s	stream gauge, mon	itoring well, aeı	rial photos, pre	evious insp	ections),	if available:					
Describe Reco	orded Data (s No primary	stream gauge, moni indicators of wetla	itoring well, aei	rial photos, pre were observe	evious insp ed.	,		odicators)				
Describe Reconstruction Remarks: SOILS Profile Descri	orded Data (s No primary iption (Descri	stream gauge, mon	itoring well, aei	rial photos, prewere observe	evious insped.	onfirm th	e absence of ir					
Describe Reconstruction Remarks: SOILS Profile Descri	orded Data (s No primary iption (Descri	stream gauge, moning indicators of wetland be to the depth ne	itoring well, aei	rial photos, prewere observe	evious insped.	onfirm th	e absence of ir					
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Describe Reconstruction Remarks: SOILS Profile Descri (Type: C=Concer	orded Data (s No primary iption (Descri	indicators of wetlandicators o	itoring well, aei and hydrology eeded to docui latrix, CS=Covere	ment the indicated Sand Control	evious inspect. cator or contracts Grains; Loca	onfirm th tion: PL=P Mottl	e absence of ir ore Lining, M=Matr	rix)	Texture		Remarks	
Describe Reconstruction Remarks: SOILS Profile Descripe: C=Concert	orded Data (s No primary ption (Descri	be to the depth neetion, RM=Reduced Matrix Color (Moist)	itoring well, aei and hydrology eeded to docui latrix, CS=Covere	ment the indicated Sand C	evious inspect. cator or contract of contract or cont	onfirm th tion: PL=P Mottl	e absence of ir ore Lining, M=Matr	rix)			Remarks	
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Describe Recordance Remarks: SOILS Profile Descrit (Type: C=Concerdance) Depth (In.) 0-9 9-18	orded Data (s No primary iption (Descrintration, D=Depleted Hue_10YR Hue_10YR	be to the depth neetion, RM=Reduced Matrix Color (Moist) 2/1 6/3	eeded to docur latrix, CS=Covere	ment the indicated Sand Color (I	evious insped. cator or cograins; Loca Moist)	Mottl %	e absence of interest Lining, M=Matro	Location	SCL		Remarks	
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Describe Recordance Remarks: SOILS Profile Descrit (Type: C=Concerd Period In.) 0-9 9-18 NRCS Hydr	orded Data (s No primary iption (Descriptration, D=Depleted Data) Hue_10YR Hue_10YR Hue_10YR	be to the depth neetion, RM=Reduced Matrix Color (Moist) 2/1 6/3 Indicators (chain)	eeded to docur latrix, CS=Covere	ment the indicated Sand Color (Indicators are not served)	evious insped. cator or cograins; Loca Moist) 5/6 not presen edox Matrix	Mottl % 2 t):	e absence of interest Lining, M=Matro	Location	Indicators f A9 - 1 cm M A16 - Coast		c Soils ¹ (LRR F, G, H)	
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Describe Reco	iption (Descriptration, D=Deplementation, D=Depl	be to the depth neetion, RM=Reduced Matrix Color (Moist) 2/1 6/3 Indicators (chain in Sulfide Layers (LRR F)	eeded to docur latrix, CS=Covere	ment the indicators are response to the server observer o	evious insped. cator or cograins; Loca Moist) 5/6 not presented with the company of the comp	mottl Mottl % 2 t):	e absence of interest Lining, M=Matro	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High F F18 - Reduce	luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ced Vertic	c Soils ¹ (LRR F, G, H)	
Describe Reco	ric Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified A9 - 1 cm Mu	be to the depth neetion, RM=Reduced Matrix Color (Moist) 2/1 6/3 Indicators (chain in Sulfide Layers (LRR F) ck (LRR FGH)	itoring well, aer and hydrology eeded to docur latrix, CS=Covere % 100 98 neck here if inc	ment the indicators are respectively. So and the same of the same	cator or co Grains; Loca Moist) 5/6 not presented with the content of the conte	mottl Mottl % 2 t):	e absence of interest Lining, M=Matro	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduct TF2 - Red P	luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ed Vertic Parent Material	C Soils ¹ (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73)	
Describe Recordance Remarks: SOILS Profile Descripation (Type: C=Concerdance) Depth (In.) 0-9 9-18 NRCS Hydr	ric Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified A9 - 1 cm Mu A11 - Deplete	be to the depth neetion, RM=Reduced Matrix Color (Moist) 2/1 6/3 Indicators (chain in Sulfide Layers (LRR FGH) delow Dark Surface	itoring well, aer and hydrology eeded to docur latrix, CS=Covere % 100 98 neck here if incesses	ment the indicators are respectively. Standy R. Stripped F1 - Loamy N. F2 - Loamy N. F2 - Loamy N. F3 - Depleted F6 - Redox D. F7 - Depleted F	cator or constant part of present	mottl Mottl % 2 t):	e absence of interest Lining, M=Matro	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduc TF2 - Red P TF12 - Very	luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ed Vertic Parent Material Shallow Dark S	C Soils ¹ (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73)	
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-155n45w18-e1
VEGETATIO	N (Species identified in all uppercase ar	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:(A)
3.					
4.					Total Number of Dominant Species Across All Strata:(B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50.0%</u> (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp25
	Total Cover =	0			FACW spp. $0 x 2 = 0$
					FAC spp. 10 $x 3 = 30$
Sapling/Shrub \$	Stratum (Plot size: 15 ft. radius)				Total % Cover of: Multiply by: OBL spp. 25 X 1 = 25 FACW spp. 0 X 2 = 0 FAC spp. 10 X 3 = 30 FACU spp. 0 X 4 = 0 LIPL spp. 70 X 5 = 350
1.					UPL spp. 70 $x = 350$
2.					
3.					Total 105 (A) 405 (B)
4.					
5.					Prevalence Index = B/A = 3.857
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.					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.	Triticum aestivum	70	Υ	NI	
2.	Juncus bufonius	25	Υ	OBL	* Indicators of hydric soil and wetland hydrology must be
3.	Plantago major	5	N	FAC	present, unless disturbed or problematic.
4.	Equisetum arvense	5	N	FAC	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.					
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size.
13.					TICID - Control of the Control of th
14.					
15.					Woody Vines - All woody vines, regardless of height.
15.	Total Caver	405			VVOOdy Villes - All Woody Villes, Togardiess of Height.
	Total Cover =	105	_		
	(5)				
Woody Vine St	ratum (Plot size: 30 ft. radius)				
1.					
2.					II. Local da Varadada Burando N
3.					Hydrophytic Vegetation Present?N
5.					
4.	T				
<u> </u>	Total Cover =				
Remarks:	Vegetation is dominated by wheat and toad	rush. The s	ample poi	nt is locat	ed at the edge of a planted field.
Additional R	Remarks:				
Ī					