WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R										06/23/14
Applicant:								100)			_	Marshall
Investigators						Subregio	•	or LRR):	MLRA 56		-	MN
Soil Unit:	1133A	NWI Classification:						Wetland ID:	450 40 00 4			
Landform:	Side slope		40	0 405		cal Relief:		100			. · —	ı-158n48w26-a1
Slope (%):	8 - 15%		Latitude: 48			Longitude:			Datum:	- No	Community ID:	
		onditions on the site				If ? (If no, exp			☑ Yes	□ No	Section:	
Are Vegetation				•			Are	e normal circun	-	esent?	Township:	D'
Are Vegetation		l □, or Hydrology	□aturally	prob	iematic?				□ No		Range:	Dir:
SUMMARY C			Nie						Lludria Cail	a Dragont?	No	
	Hydrophytic Vegetation Present? Wetland Hydrology Present?			No No						s Present?		and? No
Remarks:					vol road Ma	actation is	o domino	atod by gramine		ripling Polit	t Within A Wetl	and? NO
Remarks.	The upland	I point is located ad	ijaceni io a	a grav	verroad, ve	getation	s domina	ned by granning	Jius.			
HYDROLOG	V											
HYDROLOG												
	•	licators (Check all	that apply;	; Mini	imum of on	e primary	or two se	econdary requi	red):			
<u>Primary</u>	_	Matan				D44 C-14	0			Secondary:		Ornalia
□ A1 - Surface Water□ A2 - High Water Table						B11 - Salt (B13 - Aqua					B6 - Surface Soil	
	A3 - Saturation					C1 - Hydro		Ee Odor □			B8 - Sparsely Vegetated Concave Surface B10 - Drainage Patterns	
	B1 - Water M					C2 - Dry S					_	spheres on Living Roots (tilled)
	B2 - Sedimer	nt Deposits						pheres on Living	Roots (not till	• 🗆	C8 - Crayfish Bur	rows
	B3 - Drift Dep			☐ C4 - Presence of Reduced Iron ☐ C7 - Thin Muck Surface ☐								isible on Aerial Imagery
	B4 - Algal Ma									_	D2 - Geomorphic	
	B5 - Iron Dep	วดรเชร on Visible on Aerial Im)20erv		П	Other (Exp	olain)				D5 - FAC-Neutral	ed Hummocks (LRR F)
		Stained Leaves	iag e i y								Di - Flost-fleave	d Hullinocks (LKK F)
	Do Water C	Mainou Louvoo										
Field Obser	vations:											
Surface Wat		Yes □	De	enth:		(in.)						
Water Table		Yes 🗆		_		(in.)			Wetland H	lydrology l	Present? N	
Saturation P		Yes 🗆		epth: (in.) epth: (in.)							_	
Cataration	i Coci it :	100		OPti i.								
						` ` `						
	<u> </u>	stream gauge, moni		aeria	ıl photos, pre	` ` `	ections),	if available:				
Describe Rec Remarks:	<u> </u>	stream gauge, moni		aeria	ıl photos, pre	` ` `	ections),	if available:				
Remarks:	<u> </u>	<u> </u>		aeria	ıl photos, pre	` ` `	ections),	if available:				
Remarks:	No indicato	ors of wetland hydro	ology were	aeria	al photos, pre erved.	evious insp			adicators \			
Remarks: SOILS Profile Descri	No indicato	ors of wetland hydro	ology were	aeria	al photos, preerved.	evious insp	onfirm the	e absence of ir				
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Remarks: SOILS Profile Descri	No indicato	ribe to the depth ne	ology were	aeria	al photos, preerved.	evious insp	onfirm the	e absence of ir ore Lining, M=Mati				
Remarks: SOILS Profile Descri (Type: C=Concer	No indicato	ribe to the depth ne letion, RM=Reduced Ma	eeded to do	aeria obse	erved. ent the indicated Sand Coated Sand	evious insp cator or co Grains; Loca	onfirm the	e absence of ir ore Lining, M=Matr	ix)	Texture		Remarks
Remarks: SOILS Profile Descri	No indicato	ribe to the depth ne	eeded to do	aeria	al photos, preerved.	evious insp cator or co Grains; Loca	onfirm the	e absence of ir ore Lining, M=Mati		Texture		Remarks
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	iption (Description, D=Deportation, D=Deportation, D=Deportation) ric Soil Field A1- Histosol	ribe to the depth ne letion, RM=Reduced Ma Matrix Color (Moist) Indicators (ch	eeded to do atrix, CS=Cov	aeria obse	ent the indicated Sand Coated Sand Sandy Research	cator or co Grains; Loca Moist)	Mottle	e absence of incre Lining, M=Matr	Location	Indicators f A9 - 1cm Mu	uck (LRR I, J)	Soils ¹
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	iption (Description, D=Deportration, D=Deportration) ric Soil Field A1- Histosol A2 - Histic Ep	ribe to the depth ne letion, RM=Reduced Ma Matrix Color (Moist) d Indicators (ch	eeded to do atrix, CS=Cov	aeria obse ocum vered/0 % f indic	ent the indicated Sand Coated Sand Sandy Research	evious inspector or configurations; Local Moist) oot presented a material configuration of the configuration of t	Mottle %	e absence of incre Lining, M=Matr	Location	Indicators f A9 - 1cm Mc A16 - Cost F	uck (LRR I, J) Prairie Redox (LRF	Soils ¹
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	iption (Description, D=Deportation, D=Deportation, D=Deportation) ric Soil Field A1- Histosol A2 - Histic Ep A3 - Black History	Tibe to the depth nepletion, RM=Reduced Matrix Color (Moist) Indicators (chapping depth of the pipedon istic	eeded to do atrix, CS=Cov	aeria obse	ent the indicated Sand Coated Sandy Rose - Stripped Sandy Rose - Stripped F1 - Loamy M	cator or co Grains; Loca Moist) oot presen edox Matrix luck Minera	Mottle Mottle tion: PL=Pe	e absence of incre Lining, M=Matr	Location	Indicators f A9 - 1cm Mu A16 - Cost F S7 - Dark St	uck (LRR I, J) Prairie Redox (LRF urface (LRR G)	S <u>oils¹</u> R F, G, H)
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	iption (Description, D=Deportation, D=Deportation, D=Deportation) A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge	ribe to the depth ne letion, RM=Reduced Ma Matrix Color (Moist) d Indicators (ch	eeded to do atrix, CS=Cov	aeria obse	ent the indicated Sand Coated	cator or co Grains; Loca Moist) not presented ox Matrix luck Mineral leyed Matrix	Mottle Mottle tion: PL=Pe	e absence of incre Lining, M=Matr	Location	Indicators f A9 - 1cm Mo A16 - Cost F S7 - Dark So F16 - High F	uck (LRR I, J) Prairie Redox (LRF urface (LRR G) Plains Depressions	Soils ¹
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	iption (Description, D=Deportration, D=Deportr	mistic en Sulfide d Layers (LRR F)	eeded to do atrix, CS=Cov	aeria obse obse ocum vered/0 % f indic	ent the indicated Sand Coated	cator or co Grains; Loca Moist) ot presented with the content of	Mottle %	e absence of incre Lining, M=Matr	Location	Indicators f A9 - 1cm Mu A16 - Cost F S7 - Dark St F16 - High F F18 - Reduc	uck (LRR I, J) Prairie Redox (LRF urface (LRR G) Plains Depressions ced Vertic	S <u>oils¹</u> R F, G, H)
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	iption (Description, D=Deportmentation, D=Deportmen	Matrix Color (Moist) Dipedon istic en Sulfide d Layers (LRR F) uck (LRR FGH) ed Below Dark Surface Dark Surface	eeded to do atrix, CS=Cov	aeria obse obse obse f indic	ent the indicated Sand Coated	evious inspector or contract o	Mottle Mottle kion: PL=Pe	e absence of irore Lining, M=Matro	Location	Indicators f A9 - 1cm Mo A16 - Cost F S7 - Dark So F16 - High F F18 - Reduc TF2 - Red P TF12 - Very	uck (LRR I, J) Prairie Redox (LRF urface (LRR G) Plains Depressions ed Vertic Parent Material	G oils¹ R F, G, H) G (LRR H, outisde MLRA 72, 73)
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	L3R				Sample Point: u-158n48w26-a1
					<u> </u>
VEGETATIO	N (Species identified in all upp	percase are non-native s	pecies.)		
Tree Stratum	(Plot size: 30 ft. radius)				
	Species Name	% Cover	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet
1.					
2.					Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)
3.					
4.	,				Total Number of Dominant Species Across All Strata: 2 (B)
5.					· · · · · · · · · · · · · · · · · · ·
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7.	<u></u>				(142)
8.	<u></u>				Prevalence Index Worksheet
					-
9.					Total % Cover of: Multiply by:
10.		0.000			OBL spp. 0
	ıotaı	Cover = 0	_		FACW spp. $0 \times 2 = 0$
					FAC spp. $0 \times 3 = 0$
	Stratum (Plot size: 15 ft. radius)				FACU spp45
1.					UPL spp. 60 $x 5 = 300$
2.					
3.					Total 105 (A) 480 (B)
4.					
5.					Prevalence Index = B/A = 4.571
6.					1
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.					Dominance Test is > 50%
10.		Cover = 0			Prevalence Index is ≤ 3.0 *
	rotar	Cover = <u>0</u>	-		
					Morphological Adaptations (Explain) *
Herb Stratum (Plot size: 5 ft. radius)			1101	Problem Hydrophytic Vegetation (Explain) *
1.	Bromus inermis	40	Υ	UPL	
2.	Elymus repens	40	Υ	FACU	* Indicators of hydric soil and wetland hydrology must be
3.	Medicago sativa	20	N	NI	present, unless disturbed or problematic.
4.	Cirsium arvense	5	N	FACU	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.					1
12.	J.				Herb - All herbaceous (non-woody) plants, regardless of size.
13.				_	- Tierb - / in horsessess (non-nossy) plants, regardless of oile.
	<u> </u>				4
14.					
15.		_			Woody Vines - All woody vines, regardless of height.
	Total	Cover = <u>105</u>	_		
Woody Vine St	ratum (Plot size: 30 ft. radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present? N
5.					
4.					
· · ·	, Total	Cover = 0		_	
Remarks:	The upland vegetation is dominated		nd wild ry		
remarks.	The apiana vegetation is dominated	by sillooth brothe at	ia wiia iy	C.	
	_				
Additional F	Remarks:				