WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	•									Date: County:	09/24/14
Applicant:					\	ALDD): MIDA 50			Pennington		
	nvestigators: RAJ/BJC			Subregion (MLRA or LRR): MLRA 56						State:	MN
Soil Unit:	169A				I D . I' . C .		Classification:				4544400 -l-l4
Landform:	Dip		1 1 10 1		cal Relief:		5 0	5		Sample Point:	w-154n44w33-dd1
Slope (%):	0 - 2%	anditions on the cite	Latitude: 48.1		Longitude:			Datum:			
		onditions on the site	7 1		ar : (If no, expl		•		□ No	Section:	
Are Vegetation		, ,		ly disturbed?		Are r	normal circum	-	esent?	Township:	D:
Are Vegetation		l □, or Hydrology	□aturally p	robiematic?			Yes	□ No		Range:	Dir:
SUMMARY C			V					Lludria Cai	la Duananto) Voc	
Hydrophytic \	•		Yes		_				Is Present?		attain do Vaa
Wetland Hyd			Yes				and the language of			nt Within A W	
Remarks:			woolly seage	e and reed car	nary grass ir	n a swaie	within a nayr	ieid. The a	rea nas bee	en mowed/nay	ed this year, but plant species
	are still ide	ntifiable.									
HYDROLOGY	Y										
Wetland Hy	drology Ind	icators (Check all	that apply; N	Minimum of or	ne primary c	or two sec	condary requi	red):			
Primary:		•					, ,	,	Secondary	<u>.</u> <u>-</u>	
	A1 - Surface				B11 - Salt C					B6 - Surface S	
	A2 - High Wa				B13 - Aquat		0.1				Vegetated Concave Surface
	A3 - Saturation B1 - Water M				C1 - Hydrog C2 - Dry Sea					B10 - Drainage	e Patterns Rhizospheres on Living Roots (tilled
	B2 - Sedimer						heres on Living	Roots (not till	L □	C8 - Crayfish I	
	B3 - Drift Dep	•			C4 - Presen			(1.0010			n Visible on Aerial Imagery
	B4 - Algal Ma	t or Crust			C7 - Thin M	uck Surface	e		✓	D2 - Geomorp	hic Position
	B5 - Iron Dep				Other (Expla	ain)			✓	D5 - FAC-Neu	
		on Visible on Aerial Im	agery							D7 - Frost-Hea	aved Hummocks (LRR F)
	B9 - Water-S	tained Leaves									
Field Observe											
Field Observ			_		(')						
Surface Water		Yes		th:	_ (in.)			Wetland F	Hydrology	Present?	Υ
Water Table		Yes □	•	th:	_ (in.)				.,		<u> </u>
Saturation Pr	esent?	Yes	Dep	th:	_ (in.)						
Dagarila a Daga	1 15 (/										
Describe Reco	orded Data (:	stream gauge, moni	toring well, a	erial photos, pr	evious inspe	ections), if	available:				
Remarks:	<u> </u>							urrounding (uplands. In	dicators of we	etland hydrology are present.
	<u> </u>							urrounding (uplands. In	dicators of we	etland hydrology are present.
	<u> </u>							urrounding (uplands. In	dicators of we	etland hydrology are present.
Remarks: SOILS Profile Descri	There is a v	well-developed mat	t of wetland i	moss in the w	etland area	that is ab	absence of in	dicators.)	uplands. In	dicators of we	etland hydrology are present.
Remarks: SOILS Profile Descri	There is a v	well-developed mat	t of wetland i	moss in the w	etland area	that is ab	absence of in	dicators.)	uplands. In	dicators of we	etland hydrology are present.
Remarks: SOILS Profile Descri	There is a v	well-developed mat ibe to the depth ne letion, RM=Reduced Ma	t of wetland i	moss in the w	etland area	that is ab	absence of in absence of in	dicators.)	uplands. In	dicators of we	etland hydrology are present.
Remarks: SOILS Profile Descri (Type: C=Concen	There is a v	well-developed mat ibe to the depth ne letion, RM=Reduced Ma Matrix	eded to doci	moss in the w ument the ind red/Coated Sand	etland area icator or cor Grains; Location	nfirm the on: PL=Pore	absence of in absence of in	idicators.)	uplands. In	dicators of we	etland hydrology are present.
Remarks: SOILS Profile Descri	There is a v	well-developed mat ibe to the depth ne letion, RM=Reduced Ma	t of wetland i	moss in the w ument the ind	etland area icator or cor Grains; Location	that is ab	absence of in absence of in	dicators.)	uplands. In	dicators of we	etland hydrology are present. Remarks
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Remarks: SOILS Profile Descri (Type: C=Concent) Depth (In.) 0-7 7-9	There is a vector of the prion (Description, Dependent of the prior) Hue_10YR	well-developed material ibe to the depth neletion, RM=Reduced Material Matrix Color (Moist) 2/1 3/1	eeded to doctatrix, CS=Cover	ument the ind	etland area icator or cor Grains; Location	nfirm the on: PL=Pore	absence of in the su absence of in the Lining, M=Matr	idicators.)	Texture C		Remarks
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Remarks: SOILS Profile Descri (Type: C=Concent) Depth (In.) 0-7 7-9 9-18	There is a very ption (Description, D=Deportration, D=Deportra	well-developed material ibe to the depth neletion, RM=Reduced Material Matrix Color (Moist) 2/1 3/1 6/1	eded to doctatrix, CS=Cover	ument the ind red/Coated Sand Color (etland area	nfirm the and on: PL=Pore	absence of in the Lining, M=Matr	idicators.)	Texture C SCL	coarse sandy with	Remarks
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Remarks: SOILS Profile Descri (Type: C=Concent Depth (In.) 0-7 7-9 9-18 NRCS Hydri	There is a very ption (Description, Depointment of the Depointment of	well-developed material ibe to the depth neletion, RM=Reduced Material Matrix Color (Moist) 2/1 3/1 6/1	eded to doctatrix, CS=Cover	ument the ind red/Coated Sand Color (etland area	nfirm the and on: PL=Pore	absence of in the Lining, M=Matr	idicators.)	Texture C SCL LCOS	coarse sandy with with abundant gra	Remarks n abundent pebbles avel
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Remarks: SOILS Profile Descri (Type: C=Concent Depth (In.) 0-7 7-9 9-18 NRCS Hydri	There is a Note of the post of	well-developed material ibe to the depth neletion, RM=Reduced Material Matrix Color (Moist) 2/1 3/1 6/1 Indicators (chapping depth of the depth neletion, RM=Reduced Material Mate	eded to doctatrix, CS=Cover	moss in the way in the way in the way in the way in the indexed sand in the indexed sa	etland area icator or cor Grains; Location (Moist) not present) Redox d Matrix Mucky Minera	nfirm the son: PL=Pore Mottles %	absence of in the Lining, M=Matr	Location	Indicators: A9 - 1 cm M A16 - Coast S7 - Dark S	coarse sandy with with abundant graduck (LRR I, J) the Prairie Redox (curface (LRR G)	Remarks n abundent pebbles avel C Soils (LRR F, G, H)
Remarks: SOILS Profile Descri (Type: C=Concent Depth (In.) 0-7 7-9 9-18	There is a Northern tration, Dependent tration, Dep	well-developed material ibe to the depth neletion, RM=Reduced Material Matrix Color (Moist) 2/1 3/1 6/1 Indicators (chapped material ibe to the depth neletion, RM=Reduced Material ibe	eded to doctatrix, CS=Cover	moss in the way in the way in the way in the way in the indexed sand in the indexed sa	etland area icator or cor Grains; Location Moist) not present Mucky Minera Gleyed Matrix	nfirm the son: PL=Pore Mottles %	absence of in the Lining, M=Matr	Location	Indicators: A9 - 1 cm M A16 - Coast S7 - Dark S	coarse sandy with with abundant graduck (LRR I, J) the Prairie Redox (Jurface (LRR G)) Plains Depression	Remarks n abundent pebbles avel c Soils ¹ (LRR F, G, H)
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Remarks: SOILS Profile Descri (Type: C=Concent Depth (In.) 0-7 7-9 9-18 NRCS Hydri	There is a Northern tration, D=Deportration, D	well-developed material ibe to the depth neletion, RM=Reduced Material Matrix Color (Moist) 2/1 3/1 6/1 Indicators (chapted on Stice on Sulfide of Layers (LRR F) and the lock (LRR FGH) and Below Dark Surface	eded to doctatrix, CS=Cover	moss in the way a company the independent of the in	etland area icator or cor Grains; Location (Moist) Redox d Matrix Mucky Minera Gleyed Matrix d Matrix Dark Surface d Dark Surface	nfirm the son: PL=Pore Mottles %	absence of in the Lining, M=Matr	Location	Indicators A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High I F18 - Reduct TF2 - Red F TF12 - Very	coarse sandy with with abundant graduck (LRR I, J) the Prairie Redox (LRR G) Plains Depression and Vertic Parent Material of Shallow Dark States and Plains Depression and Shallow Dark States and Plains Depression and Pla	Remarks n abundent pebbles avel C Soils (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: w-154n44w33-dd1
VEGETATION	(Species identified in all uppercase a Plot size: 30 ft. radius)	re non-native	species.)		
Tree Stratum (Species Name	% Cover	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet
1.	<u> </u>	<u>70 00101</u>	Dominaria	maiotatao	
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: 100.0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 50
	Total Cover =	= 0	FACW spp. 2		
0 - 1 - 70 - 1 - 6	20 and 10 (District on 45 (to as 15 a)				FAC spp. $0 \times 3 = 0$
	Stratum (Plot size: 15 ft. radius)	1			FACU spp. $\frac{7}{2}$ \times $4 = \frac{28}{2}$
1. 2.					$OPL spp. \underline{\qquad \qquad } X S = \underline{\qquad \qquad } U$
3.					Total 59 (A) 82 (B)
4.	<u></u>				Total 39 (A)(B)
5.					Prevalence Index = B/A = 1.390
6.					Trevalence mack = B//(=
7.					
8.	<u></u>				Hydrophytic Vegetation Indicators:
9.	i				Rapid Test for Hydrophytic Vegetation
10.					X Dominance Test is > 50%
	Total Cover =	0			X Prevalence Index is ≤ 3.0 *
					Morphological Adaptations (Explain) *
Herb Stratum (I	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Carex pellita	50	Y	OBL	
2.	Cirsium arvense	5	N	FACU	* Indicators of hydric soil and wetland hydrology must be
3.	Elymus repens	2	N	FACU	present, unless disturbed or problematic.
4.	Rumex stenophyllus	2	N	FACW	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.					BBU was the state
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.
10.					
11.				_	Herb - All herbaceous (non-woody) plants, regardless of size.
12.					Herb - All Herbaceous (Horr-woody) plants, regardless of size.
13. 14.					
15.					Woody Vines - All woody vines, regardless of height.
13.	Total Cover =	= 59			Woody Villes - 7 iii Woody Villos, Togardioss of Holgin.
	Total Cover =		_		
Woody Vine Str	ratum (Plot size: 30 ft. radius)				
1.	atum (1 lot size. 30 ft. radius)				
2.					
3.					Hydrophytic Vegetation Present? Y
5.					
4.					
	Total Cover =	= 0			
Remarks:	At the sample point, the community is domi	nated by wo	olly sedge	e (but thro	ugh much of the wetland area there are patches of reed canary grass). A wet
	meadow community in a swale within a hay	field. Hydro	phytic veg	getation is	present.
Additional R	emarks:				
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