WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	09/24/14
Applicant:				Cultura stient (MILDA au				141 5 4 50		County:	Pennington
Investigators	•				Subregio	•	or LRR):	MLRA 56		State:	MN
Soil Unit:	I69A	aal Daliafu	Classification	·			w 454n44w22 oo4				
Landform: Slope (%):	Dip 0 - 2%		Latitude: 48.11		cal Relief: Longitude:		772	Datum:		Sample Point: 	w-154n44w33-ee1
. , ,		onditions on the site			_			✓ Ves	□ No	Section:	
Are Vegetation	, ,		significantly		αι: (π πο, ο χμ	1	e normal circun			Township:	
Are Vegetation			□aturally pro				⊌ Yes	□ No	CSCIII:	Range:	Dir:
SUMMARY C			Haturally pro	bicinatic:			E 163	= 110		rtange.	DII.
Hydrophytic '			Yes					Hydric Soi	ls Present?	Yes	
Wetland Hyd	•		Yes		-					nt Within A W	etland? Yes
Remarks:		dow dominated by r		northern whit	e aster. ai	nd water	smartweed in				
			catop grace,					а сър тът			
HYDROLOG	Υ										
		inatona (Obsali alli	tle et en els v. N.A.					, , , , , , , , , , , , , , , , , , ,			
	•	icators (Check all	tnat apply; IVII	nimum of on	e primary	or two se	econdary requi	rea):	Secondariu		
<u>Primary</u> □	<u>.</u> A1 - Surface	Water		П	B11 - Salt (Crust			Secondary:	<u>.</u> B6 - Surface S	Soil Cracks
	A2 - High Wa				B13 - Aqua						Vegetated Concave Surface
	A3 - Saturation				C1 - Hydro	gen Sulfid				B10 - Drainage	e Patterns
	B1 - Water M				C2 - Dry Se			5			Rhizospheres on Living Roots (tille
	B2 - Sedimer	•			C3 - Oxidiz C4 - Prese		spheres on Living	Roots (not till	• -	C8 - Crayfish E	
	B3 - Drift Dep B4 - Algal Ma				C7 - Thin N					D2 - Geomorp	n Visible on Aerial Imagery hic Position
	B5 - Iron Dep				Other (Exp		100			D5 - FAC-Neu	
		on Visible on Aerial Ima	agery		\ .	,				D7 - Frost-Hea	aved Hummocks (LRR F)
	B9 - Water-S	tained Leaves									
Field Obser											
Surface Wat		Yes □	Depth		(in.)			Wetland F	lydrology	Present?	Υ
Water Table		Yes □	•	:	(in.)			Trottana i	.ya.o.ogy		<u> </u>
	racant?	Yes □	Depth		(in.)						
Saturation P	resent?	res 🗆	Debin		- (1111.)						
		stream gauge, monit	•		• ` `	ections),	if available:				
	orded Data (oring well, aer	ial photos, pro	evious insp			plands. Indi	icators of w	etland hydrol	ogy are present.
Describe Rec	orded Data (stream gauge, monit	oring well, aer	ial photos, pro	evious insp			plands. Indi	icators of w	etland hydrol	ogy are present.
Describe Rec Remarks:	orded Data (a	stream gauge, monit well-developed mat	oring well, aer	ial photos, prooss in the we	evious inspetiand area	a that is a	absent in the u		icators of w	etland hydrol	ogy are present.
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-154n44w33-ee1				
					•				
VEGETATIO	N (Species identified in all uppercase	are non-native	e species.)						
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: 3 (A)				
3.					` '				
4.		_			Total Number of Dominant Species Across All Strata: 3 (B)				
5.					Total Number of Berninant Openies Noross 7th Strata.				
					Demonstrat Demoissant Occasion That Ama ODL FACIAL and FACIAL And FACIAL AND ONLY				
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.		<u> </u>			OBL spp. 20 x 1 = 20				
	Total Cover	= 0			OBL spp. 20				
					FAC spp. $3 \times 3 = 9$				
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FAC spp. $\frac{3}{14}$ $\frac{3}{14}$ $\frac{3}{14}$ $\frac{9}{14}$ $\frac{56}{14}$				
1.		$\overline{}$			UPL spp. $0 x 5 = 0$				
2.									
3.					Total 97 (A) 205 (B)				
		_			Total 97 (A) 205 (B)				
4.		_			Dravalance links D/A				
5.					Prevalence Index = B/A = 2.113				
6.									
7.									
8.					Hydrophytic Vegetation Indicators:				
9.					Rapid Test for Hydrophytic Vegetation				
10.					X Dominance Test is > 50%				
	Total Cover	= 0			X Prevalence Index is ≤ 3.0 *				
	rotal cover								
Llamb Otmations /	Distractor of the madicus.				Morphological Adaptations (Explain) *				
	Plot size: 5 ft. radius)			EA (C) A /	Problem Hydrophytic Vegetation (Explain) *				
1.	Agrostis gigantea	40	Y	FACW					
2.	Symphyotrichum lanceolatum	20	Υ	FACW	* Indicators of hydric soil and wetland hydrology must be				
3.	Persicaria amphibia	20	Y	OBL	present, unless disturbed or problematic.				
4.	Elymus repens	5	N	FACU	Definitions of Vegetation Strata:				
5.	Cirsium arvense	5	N	FACU					
6	Apocynum cannabinum	3	N	FAC	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast				
7.	Poa pratensis	2	N	FACU	height (DBH), regardless of height.				
8.	Phleum pratense	2	N	FACU					
9.	1 Theam platerise			17100	Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.				
10.	<u> </u>				Capining/Onit ub = 11 ed.) France received a law 2 2 m, 1 ega areas or merginal				
	<u> </u>								
11.									
12.					Herb - All herbaceous (non-woody) plants, regardless of size.				
13.									
14.									
15.					Woody Vines - All woody vines, regardless of height.				
	Total Cover	= 97							
Woody Vine St	ratum (Plot size: 30 ft. radius)								
1	ratum (Fiot Size: 50 ft. radius)								
2.	<u> </u>	-							
	<u> </u>	-			Undraphytic Variation Process				
3.					Hydrophytic Vegetation Present?Y				
5.									
4.									
	Total Cover								
Remarks:	A wet meadow community dominated by re	edtop grass,	white pani	icled aster	, and water smartweed with other pasture grasses. There is a well-developed mat				
	of wetland mosses throughout the wetland	area. Hydro	ophytic ved	getation is	present.				
	<u> </u>				·				
\	Pomarke:								
Additional Remarks:									