WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	08/14/14	
Applicant:										County:	Marshall	
Investigators				Subregion (MLRA or LRR): MLRA 56						State:	MN	
Soil Unit:	165A			<u> </u>			I Classification	:				
Landform:	Side slope		10.0		ocal Relief		100170			Sample Point:	u-156n46w17-e2	
Slope (%):	3 - 7%	. P.C	Latitude: 48.3			-96.600		<u>Datum:</u>				
		nditions on the sit						✓ Yes	□ No	Section:		
Are Vegetation		□, or Hydrology	•			Are	e normal circun	•	esent?	Township:		
Are Vegetation		□, or Hydrology	□aturally pro	obiematic?			Yes	□ No		Range:	Dir:	
SUMMARY								l leveloi e O e i	I- D10	NI -		
Hydrophytic '			No		<u> </u>				ls Present?		otlando No	
-	drology Prese		No No	field weeles	- fuero - le		and computer	is this Sai	mpling Poin	t Within A W	etland? No	
Remarks:	rne upiana	sample point is lo	cated in a nay	meia upsiop	e from a la	rge wetta	and complex.					
LIVERGLOO	V											
HYDROLOG	Y											
	•	icators (Check all	I that apply; M	inimum of o	ne primary	or two s	econdary requi	red):				
Primary:	_			_		•			Secondary:		" •	
	A1 - Surface \A2 - High Wa				⊢ B11 - Salt ⊢ B13 - Aqua					B6 - Surface S		
	A3 - Saturation				C1 - Hydro					B10 - Drainage	Vegetated Concave Surface	
	B1 - Water M				C2 - Dry S						Rhizospheres on Living Root	s (tilled)
	B2 - Sedimen	•			C3 - Oxidiz	zed Rhizos	spheres on Living	Roots (not till	€ □	C8 - Crayfish E	Burrows	` ,
	B3 - Drift Dep						educed Iron				Note:	
	B4 - Algal Ma B5 - Iron Dep				C7 - Thin I		ace			D2 - Geomorp D5 - FAC-Neur		
	•	อรแร n Visible on Aerial Im	nagery		Other (Exp	Diairi)					aved Hummocks (LRR F)	
	B9 - Water-St		ago.y						_	27 110011100	arod Hammoono (Entry)	
Field Observ	vations:											
Surface Wat	er Present?	Yes □	Depth	n:	(in.)			\Matland I		D	N.I.	
Water Table	Present?	Yes □	Depth		— (in.)			wetiand F	lydrology l	Present?	N	
Saturation P	resent?	Yes □	Depth): 	(in.)							
			_ ~ ~ ~ ·	••	(111.)							
Describe Rec	orded Data (s		<u> </u>			nections)	if available:					
	•	stream gauge, mon	itoring well, ae	rial photos, p	revious insp	pections),	, if available:					
Describe Rec	•		itoring well, ae	rial photos, p	revious insp	pections),	, if available:					
Remarks:	•	stream gauge, mon	itoring well, ae	rial photos, p	revious insp	pections),	if available:					
Remarks:	No primary	stream gauge, mon or secondary hydr	itoring well, ae	rial photos, p ators were c	previous insponential insponent			ndicators.)				
Remarks: SOILS Profile Descri	No primary	stream gauge, mon	itoring well, ae rological indica	rial photos, pators were comment the inc	brevious insposerved.	onfirm th	e absence of ir					
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-14 14-21 NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His	be to the depth neetion, RM=Reduced M Matrix Color (Moist) 2/1 4/1 Indicators (chain)	eeded to doculatrix, CS=Covere	rial photos, pators were comment the incommend control of the cont	corevious insposerved. dicator or condicator or condicato	monfirm the stion: PL=P Mottl % nt):	e absence of interest Lining, M=Mate	Location	SIL SICL Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si	luck (LRR I, J) Prairie Redox (urface (LRR G)	Soils ¹	
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-156n46w17-e2				
VEGETATION OF Streeture (e non-native	species.)						
Tree Stratum ((Plot size: 30 ft. radius) <u>Species Name</u>	% Cover	Dominant	Ind.Status	Dominance Test Worksheet				
1.	<u>Species (valine</u>	70 00101	Dominaria	<u>ma.o.a.ao</u>					
2.					Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)				
3.									
4.					Total Number of Dominant Species Across All Strata:(B)				
5.									
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)				
7.									
8.					Prevalence Index Worksheet				
9.					Total % Cover of: Multiply by:				
10.					OBL spp. 0				
Total Cover = 0					FACW spp. $5 \times 2 = 10$				
Combiner/Observe	Otrations (Dist since 45 ft reading)				FACT spp. $\frac{0}{\sqrt{3}}$ \times $\frac{3}{\sqrt{3}}$				
Sapling/Shrub 3	Stratum (Plot size: 15 ft. radius)				FACU spp. $\frac{85}{25}$ $\times 4 = \frac{340}{125}$				
2.					OF L spp25				
3.					Total 115 (A) 475 (B)				
4.					10tal(7)(B)				
5.					Prevalence Index = B/A = 4.130				
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.	Poa pratensis	55	Υ	FACU					
2.	Bromus inermis	25	Υ	UPL	* Indicators of hydric soil and wetland hydrology must be				
3.	Melilotus officinalis	10	N	FACU	present, unless disturbed or problematic.				
4.	Phleum pratense	10	N	FACU	Definitions of Vegetation Strata:				
5.	Equisetum hyemale	5	N	FACW					
6	Solidago altissima	5	N	FACU	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast				
7.	Cirsium arvense	5	N	FACU	height (DBH), regardless of height.				
8.					On the of Ohmet. Weeds plants less than 2 in DPH, regardless of height				
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.				_	Herb - / III horbaccous (non wessay) plante, regardless of size.				
14.									
15.					Woody Vines - All woody vines, regardless of height.				
10.	Total Cover =	115			vvoody vinos a vin moody vinos, vogamente et morgani				
	Total Cover =	110							
Woody Vine St	ratum (Plot size: 30 ft. radius)								
1.	Tatam (Fiot Size: 66 ft. Fadias)								
2.									
3.					Hydrophytic Vegetation Present? N				
5.									
4.									
	Total Cover =	0							
Remarks:	The sample point is dominated by Kentucky	bluegrass	and smoot	th brome.					
Additional R	Remarks:								