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	NWI Classification:									
Landform:	Depression		10.0		cal Relief:		2007000			Sample Point:	w-156n46w17-e2
Slope (%):	0 - 2%	1972 41 24	Latitude: 48.3				0227989	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 pr	oblematic?				□ No		Range:	Dir:
SUMMARY C											
Hydrophytic \	_		Yes						Is Present?		
Wetland Hyd			Yes			<u> </u>				t Within A W	
Remarks:	The wetland	d is a willow-domin	nated Shrub-0	Carr communi	ty. The site	e is adja	cent to an upla	nd and a se	dge meado	w area within	the greater wetland complex.
HYDROLOG	Υ										
Wetland Hy	drology Indi	icators (Check all	I that apply: N	linimum of on	e primary	or two se	econdary requi	red):			
Primary:		()	11 37		,		, , ,	/	Secondary:		
	A1 - Surface \	Nater			B11 - Salt	Crust				B6 - Surface S	
	A2 - High Wa				B13 - Aqua						Vegetated Concave Surface
	A3 - Saturatio				C1 - Hydro					B10 - Drainage	
	B1 - Water Ma B2 - Sedimen				C2 - Dry So		iter Table spheres on Living	Poots (not till	, 0	C3 - Oxidized C8 - Crayfish E	Rhizospheres on Living Roots (tilled
	B3 - Drift Dep	•			C4 - Prese			Roots (not till	·	•	n Visible on Aerial Imagery
	B4 - Algal Ma				C7 - Thin N					D2 - Geomorp	
	B5 - Iron Dep			_	Other (Exp				✓	D5 - FAC-Neut	
		n Visible on Aerial Im	nagery		\ \	,				D7 - Frost-Hea	aved Hummocks (LRR F)
	B9 - Water-St	ained Leaves									
Field Observ	vations:										
Surface Wate	er Present?	Yes □	Dept	h:	(in.)			Watland L	lvalna la ave l	Dracent?	V
Water Table	Present?	Yes □	Dept	h:	(in.)			wetiand F	lydrology l	Present?	Υ
Saturation Pr	resent?	Yes ☑	Dept	h: 22	(in.)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:											
Describe Pec	orded Data (s		<u> </u>			vections)	if available:				
	<u>`</u>	stream gauge, mon	itoring well, a	erial photos, pre	evious insp						
Describe Reco	<u>`</u>		itoring well, a	erial photos, pre	evious insp						
Remarks:	<u>`</u>	stream gauge, mon	itoring well, a	erial photos, pre	evious insp						
Remarks:	The site is a	stream gauge, moni an area that collec	itoring well, acts water and	erial photos, pro the vegetation	evious insp passes th	ne FAC r	neutral test.	adicators \			
Remarks: SOILS Profile Descri	The site is a	stream gauge, moni an area that collect be to the depth ne	itoring well, acts water and	erial photos, prothe vegetation	evious insp passes the	ne FAC r	neutral test. e absence of ir				
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-11 11-16 16-21	The site is a specific prion (Description), D=Deplementation, D=De	be to the depth neetion, RM=Reduced Matrix Color (Moist) 2/1 2.5/1 7/2	itoring well, acts water and eeded to doculatrix, CS=Cover	erial photos, protein the vegetation the vegetation the indicated Sand (Coated Sand	evious insp passes the cator or co Grains; Locar Moist)	onfirm the	e absence of ir ore Lining, M=Mati es Type	Location	SIL SIL LFS		Remarks
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-11 11-16 16-21 21-25 NRCS Hydr	The site is a specific formula intration, D=Deplementation, D=Depl	be to the depth neetion, RM=Reduced Matrix Color (Moist) 2/1 2.5/1 7/2 7/2 Indicators (chain in Sulfide	itoring well, acts water and eeded to documentarix, CS=Cover 100 100 80 eeck here if in	crial photos, prothe vegetation Iment the indicators and color (included Sand color (include	cator or co Grains; Loca Moist) 6/8 not presented ox Matrix Mucky Mineral Cleyed Matrix	me FAC ronfirm the tion: PL=Per Mottle % 20 t):	e absence of ir ore Lining, M=Mati	Location	SIL SIL LFS FS Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High F	luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depressio	c Soils ¹
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-156n46w17-e2					
VEGETATIO	` ` '	re non-native	species.)							
Tree Stratum ((Plot size: 30 ft. radius) Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet					
1.	<u>Species Name</u>	% Cover	Dominani	<u>mu.status</u>	Dominance rest worksheet					
2.					Number of Dominant Species that are OBL, FACW, or FAC: 3 (A)					
3.					(7.ty					
4.					Total Number of Dominant Species Across All Strata: 4 (B)					
5.					(b)					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 75.0% (A/B)					
7.					(7.42)					
8.					Prevalence Index Worksheet					
9.					Total % Cover of: Multiply by:					
10.					OBL spp. 80					
	Total Cover =	0	FACW spp. 30 $x 2 = 60$							
			FAC spp. $\frac{5}{}$ $\times 3 = \frac{15}{}$							
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp. 30 $x 4 = 120$					
1.	Salix petiolaris	60	Y	OBL	UPL spp. $0 x 5 = 0$					
2.	Salix discolor	25	Y	FACW						
3.	Cornus alba	5	N	FACW	Total 145 (A) 275 (B)					
4.										
5.					Prevalence Index = B/A = 1.897					
6.										
7.										
8.					Hydrophytic Vegetation Indicators:					
9.					Rapid Test for Hydrophytic Vegetation					
10.					XDominance Test is > 50%					
	Total Cover =	90			X Prevalence Index is ≤ 3.0 *					
					Morphological Adaptations (Explain) *					
	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *					
1.	Cirsium arvense	20	Υ	FACU						
2.	Carex pellita	15	Υ	OBL	* Indicators of hydric soil and wetland hydrology must be					
3.	Poa pratensis	10	N	FACU	present, unless disturbed or problematic.					
4.	Lycopus asper	5	N	OBL	Definitions of Vegetation Strata:					
5.	Solidago gigantea	5	N	FAC						
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast					
7.					height (DBH), regardless of height.					
8.					O II Washintalantalasa than O's DDU sanautlasa of bainta					
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.										
14.					NATE and a Millian and All woody wings prognations of height					
15.	Tatal Carre				Woody Vines - All woody vines, regardless of height.					
	Total Cover =	55								
M - 1 M - 0	(D) (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1									
Woody Vine St	ratum (Plot size: 30 ft. radius)									
2.										
3.					Hydrophytic Vegetation Present?					
5. 5.					Hydrophytic vegetation Fresent:					
4.										
7.	Total Cover =	0								
Remarks: The sample point is dominated by meadow willow and pussy willow in the shrub layer. Canada thistle and woolly sedge dominate the ground layer.										
Tremains. The sample point is dominated by meadow willow and pussy willow in the shrub layer. Canada thistie and woolly sedge dominate the ground layer.										
Additional Demayles										
Additional Remarks:										
1										