WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date: <u>06/24/14</u>	
Applicant:							County: Marshall				
	nvestigators: BCS/BEH				_Subregio	`	State: MN				
Soil Unit:	I15A			_	I D . I' . (Classification:	-		4500400000	
Landform:	Depression		-44 do . 40 00		cal Relief:		000500	Datum		Sample Point: w-156n46w33-a2	
Slope (%):	0 - 2%	nditions on the site	atitude: 48.29		Longitude:			Datum: ☑ Yes	□ No	Continu	
Are Vegetation					ar: (ir no, exp	1	e normal circun			Section:	
Are Vegetation			⊐significantly ⊐aturally pro			Ale	e normai circun ☑ Yes		esent!	Township: Range: Dir:	
SUMMARY C			Jaturany pro	biematic:			E 163			Range.	
Hydrophytic \			Yes					Hydric Soi	Is Present?	Yes	
Wetland Hyd	_		Yes		_					nt Within A Wetland? Yes	
Remarks:				dside ditch.	The vegeta	ation is d	lominated by re			edtop at the sample point. The site is adjacent	
		gricultural soybean fi			3		,	, a common y			
HYDROLOG											
		icators (Chack all th	act apply: M	nimum of or	o primary	or two co	ocondary roqui	rod):			
Primary:	•	icators (Check all th	iat apply, ivi	minum or or	ie primary	OI TWO SE	econdary requi	eu):	Secondary:		
<u>i iiiiaiy.</u>	<u>·</u>	Water			B11 - Salt	Crust				B6 - Surface Soil Cracks	
✓	A2 - High Wa	ter Table			B13 - Aqua		—			B8 - Sparsely Vegetated Concave Surface	
✓	A3 - Saturation				C1 - Hydro					B10 - Drainage Patterns	
	B1 - Water M B2 - Sedimen			 □ C2 - Dry Season Water Table □ C3 - Oxidized Rhizospheres on □ C3 - Oxidized Rhizospheres on □ C8 - Crayfish Burrows 							
	B3 - Drift Dep	•			C9 - Saturation Visible on Aerial Imagery						
	B4 - Algal Ma			_	D2 - Geomorphic Position						
	B5 - Iron Dep				Other (Exp	lain)			☑	D5 - FAC-Neutral Test	
		on Visible on Aerial Imag	gery							D7 - Frost-Heaved Hummocks (LRR F)	
	b9 - water-S	tained Leaves									
Field Observ	vations:										
Surface Water		Yes ☑	Depth	. 1	(in.)						
Water Table		Yes	Depth		– (in.)			Wetland F	lydrology l	Present? Y	
Saturation Pr		Yes ☑	Depth		– (in.)						
			<u> </u>		<u> </u>						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:											
	•			•		ections),	if available:				
Remarks:	•	surface water is pre		•		ections),	if available:				
Remarks:	•			•		ections),	if available:				
Remarks: SOILS Profile Descri	One inch of	surface water is pre	esent at the	sample point	t.	onfirm the	e absence of in				
Remarks: SOILS Profile Descri	One inch of	surface water is pre	esent at the	sample point	t.	onfirm the	e absence of in				
Remarks: SOILS Profile Descri	One inch of	surface water is presented by the surfac	esent at the	sample point	t.	onfirm the	e absence of in ore Lining, M=Matr				
Remarks: SOILS Profile Descri (Type: C=Concer	One inch of	surface water is preside to the depth need etion, RM=Reduced Matrix	ded to docu	nent the indi	t. icator or co Grains; Loca	onfirm the	e absence of in ore Lining, M=Matr	ix)			
Remarks: SOILS Profile Descri	One inch of	surface water is presented by the surfac	esent at the	sample point	t. icator or co Grains; Loca	onfirm the	e absence of in ore Lining, M=Matr		Texture	Remarks	
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	One inch of iption (Descriptration, D=Depl	surface water is present the surface water is present to the depth need etion, RM=Reduced Matrix Matrix Color (Moist)	ded to docur ix, CS=Covere	ment the indi	icator or co Grains; Loca (Moist)	Mottle	e absence of in ore Lining, M=Matr es Type	ix)	Texture	Remarks	
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) NRCS Hydr	One inch of option (Description (Description, Depoint on the property of the p	surface water is present the surface water is present to the depth need etion, RM=Reduced Matrix Matrix Color (Moist) Indicators (checking)	ded to docur ix, CS=Covere	ment the indicators are in S5 - Sandy F S6 - Stripped	icator or co Grains; Loca (Moist) not presen	Mottle %	e absence of in ore Lining, M=Matr es Type	Location	Indicators f A9 - 1 cm M A16 - Cost F	for Problematic Soils ¹ fuck (LRR I, J) Prairie Redox (LRR F, G, H)	
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D	surface water is present to the depth need etion, RM=Reduced Matrix Matrix Color (Moist) Indicators (check in Sulfide Layers (LRR F) ck (LRR FGH) ed Below Dark Surface eark Surface eark Surface	ded to documents, CS=Covere	color (S5 - Sandy F S6 - Stripped F1 - Loamy F F2 - Loamy F F3 - Depleted F6 - Redox F F7 - Depleted F8 - Redox F	icator or co Grains; Loca Moist) Moist) Redox d Matrix Mucky Mineral Gleyed Matrix Dark Surface d Dark Surface	mottle Mottle w tion: PL=Pe Mottle w t):	e absence of inore Lining, M=Matrees Type	Location	Indicators f A9 - 1 cm M A16 - Cost F S7 - Dark Si F16 - High F F18 - Reduc TF2 - Red F TF12 - Very	for Problematic Soils ¹ Muck (LRR I, J) Prairie Redox (LRR F, G, H) urface (LRR G) Plains Depressions (LRR H, outisde MLRA 72, 73) ced Vertic Parent Material	
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-156n46w33-a2					
VEGETATION	(Species identified in all uppercase are	e non-native	species.)							
Tree Stratum (Plot size: 30 ft. radius)									
	<u>Species Name</u>	% Cover	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet					
1.										
2.					Number of Dominant Species that are OBL, FACW, or FAC:4(A)					
3.										
4.					Total Number of Dominant Species Across All Strata:4 (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.		0			OBL spp. 17					
	Total Cover =				FACW spp. 74 $\times 2 = 148$					
					FAC spp. $7 \times 3 = 21$					
	Stratum (Plot size: 15 ft. radius)				FACU spp.					
1.	Salix eriocephala	10	Y	FACW	UPL spp. $0 x 5 = 0$					
2.	Salix petiolaris	5	Υ	OBL						
3.	Salix discolor	2	N	FACW	Total <u>98</u> (A) <u>186</u> (B)					
4.										
5.					Prevalence Index = B/A = 1.898					
6.										
7.										
8.					Hydrophytic Vegetation Indicators:					
9.					Rapid Test for Hydrophytic Vegetation					
10.					X Dominance Test is > 50%					
	Total Cover =	17			X Prevalence Index is ≤ 3.0 *					
					Morphological Adaptations (Explain) *					
Herb Stratum (F	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *					
1.	Phalaris arundinacea	25	Υ	FACW						
2.	Agrostis gigantea	20	Υ	FACW	* Indicators of hydric soil and wetland hydrology must be					
3.	Eleocharis compressa	15	N	FACW	present, unless disturbed or problematic.					
4.	Carex pellita	10	N	OBL	Definitions of Vegetation Strata:					
5.	Equisetum arvense	5	N	FAC						
6	Solidago gigantea	2	N	FAC	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast					
7.	Anemone canadensis	2	N	FACW	height (DBH), regardless of height.					
8.	Typha angustifolia	2	N	OBL						
9.	- Special and galerine and	_			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.										
15.					Woody Vines - All woody vines, regardless of height.					
10.	Total Cover	01			vvoouy vinies - 7 iii need, vinies, regulalees et neight					
	Total Cover =	81	_							
\\\ \\ - \\\ \\ \\ \\ \\ \\ \\ \\	(Distriction (Distriction)									
Woody Vine Str	ratum (Plot size: 30 ft. radius)									
1.										
2.					Uhadaaahadia Waaatatiaa Baaaaato V					
3.					Hydrophytic Vegetation Present?Y					
5.										
4.	Tatal Ossari									
Danasalas	Total Cover =	0		11 1 1	Tet etere en Nemerk					
Remarks: The wetland sample point is dominated by reed canary grass, redtop, and flat-stem spikerush.										
Additional Remarks:										