WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	,									Date:	09/12/14		
Applicant:	•			Subregion (MLRA or LRR): MLRA 56						County:	Pennington		
	vestigators: RAJ/BEH/MRK									State:	MN		
Soil Unit:							NWI Classification:				w 154p45w25 i4		
Landform: Slope (%):	0 - 2%		ude: 48.12			-96.3716	308	Datum:		Sample Point:	w-154n45w25-j1		
. ,		onditions on the site typ						✓ Yes	□ No	Section:			
Are Vegetation				disturbed?	AT: (II 110, 6A)		normal circun			Township:			
Are Vegetation			turally prob			Aic	✓ Yes		Cociii:	Range:	Dir:		
SUMMARY C			tarany pro	oromano.			_ 100	- 110		rango.	5		
Hydrophytic \			Yes					Hydric Soi	Is Present?	Yes			
Wetland Hyd	•		Yes		-					t Within A W	etland? Yes		
Remarks:			he north s	ide of Count	y Highway	/ 8. The v	vegetation and				r influence, but not enough to		
		alcareous fen. Hydropl					•			•			
HYDROLOG		, ,	, ,				, 0,						
		licators (Check all that	annly: Mir	nimum of on	e nrimary	or two se	condary requi	rad)•					
Primary:		ilcators (Crieck all triat	appiy, iviii	iiiiiidiii oi oii	e primary	or two se	condary requi	eu).	Secondary:				
Primary. □ A1 - Surface Water					B11 - Salt	Crust	B6 - Surface S	oil Cracks					
					B13 - Aqua						Vegetated Concave Surface		
	A3 - Saturation			□ C1 - Hydrogen Sulfide Odor □							B10 - Drainage Patterns		
	B1 - Water M B2 - Sedimer					eason Wate	er Table pheres on Living	Poots (not till		C3 - Oxidized I	Rhizospheres on Living Roots (tilled		
	B3 - Drift Dep	•				ence of Red		Roots (not till			n Visible on Aerial Imagery		
	B4 - Algal Ma			_		Muck Surfac			✓	D2 - Geomorp			
	B5 - Iron Dep				Other (Exp	lain)			✓	D5 - FAC-Neut			
		on Visible on Aerial Imagery	У							D7 - Frost-Hea	aved Hummocks (LRR F)		
	B9 - water-S	tained Leaves											
Field Observ	votions												
		V =	Danth		(in)								
Surface Wate		Yes	Depth:		(in.)			Wetland F	lydrology l	Present?	Υ		
Water Table		Yes □ Yes □	Depth:		(in.)								
Saturation Pr			Depth:		(in.)								
Describe Rec	orded Data(etraam gauga monitorin	a wall aari	_ 4									
	•		<u> </u>										
Remarks:	•		<u> </u>					n chimneys	in the wetla	nd area of the	e ditch. Indicators of wetland		
	•	s a distinct marl surface	<u> </u>					n chimneys	in the wetla	nd area of the	e ditch. Indicators of wetland		
SOILS	The soil ha	s a distinct marl surface are present.	e and mos	s at the surf	ace. Ther	re are sca	attered crayfish	•	in the wetla	nd area of the	e ditch. Indicators of wetland		
SOILS Profile Descri	The soil ha hydrology a ption (Descr	s a distinct marl surface are present.	e and mos	s at the surf	ace. Ther	re are sca	attered crayfish a absence of ir	dicators.)	in the wetla	nd area of the	e ditch. Indicators of wetland		
SOILS Profile Descri	The soil ha hydrology a ption (Descr	s a distinct marl surface are present.	e and mos	s at the surf	ace. Ther	re are sca	attered crayfish a absence of ir	dicators.)	in the wetla	nd area of the	e ditch. Indicators of wetland		
SOILS Profile Descri	The soil ha hydrology a ption (Descr	s a distinct marl surface are present. Tibe to the depth needed letion, RM=Reduced Matrix, (e and mos	s at the surf	ace. Ther	onfirm the	attered crayfish e absence of in ore Lining, M=Matr	dicators.)	in the wetla	nd area of the	e ditch. Indicators of wetland		
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SOILS Profile Descri (Type: C=Concer	The soil ha hydrology a ption (Descr	s a distinct marl surface are present. Tibe to the depth needed letion, RM=Reduced Matrix, of Matrix	e and mos	s at the surf	ace. Ther	onfirm the	e absence of in the re Lining, M=Matr	dicators.)		nd area of the			
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SOILS Profile Descri (Type: C=Concer	The soil ha hydrology a ption (Descr	s a distinct marl surface are present. Tibe to the depth needed letion, RM=Reduced Matrix, of Matrix	e and mos	s at the surf	ace. Ther	onfirm the	e absence of in the re Lining, M=Matr	dicators.)		nd area of the			
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-154n45w25-j1
VEGETATIO	(Species identified in all uppercase a (Plot size: 30 ft. radius)	ire non-native	species.)		
Tree Stratum (Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.	<u> </u>	<u>70 00101</u>	Dominark	maiotatao	
2.					Number of Dominant Species that are OBL, FACW, or FAC: 2 (A)
3.					· · · · · · · · · · · · · · · · · · ·
4.					Total Number of Dominant Species Across All Strata: 2 (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.	T 1 1 2				OBL spp. 23
Total Cover =					FACW spp. 50 X 2 = 100 FAC spp. 7 X 3 = 21 FACU spp. 0 X 4 = 0 UPL spp. 0 X 5 = 0
0 - 1 - 10 - 1	O(1) (D) (D) (1) (1) (1) (1) (1)		FAC spp. $\frac{7}{}$ X $3 = \frac{21}{}$		
	Stratum (Plot size: 15 ft. radius)	1			FACU spp. $\frac{0}{\sqrt{5}}$ \times $\frac{4}{\sqrt{5}}$
1. 2.					$OPL spp. \underline{\qquad \qquad } X S = \underline{\qquad \qquad } U$
3.					Total 80 (A) 144 (B)
4.					10tal 60 (A) 144 (B)
5.					Prevalence Index = B/A = 1.800
6.		-			1 Tevalence mask = 5/7 =
7.		*			
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.		1			X Dominance Test is > 50%
	Total Cover :	= 0			X Prevalence Index is ≤ 3.0 *
			Morphological Adaptations (Explain) *		
Herb Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Equisetum variegatum	30	Υ	FACW	
2.	Carex viridula	20	Υ	OBL	* Indicators of hydric soil and wetland hydrology must be
3.	Deschampsia caespitosa	15	N	FACW	present, unless disturbed or problematic.
4.	Dichanthelium acuminatum	5	N	FAC	Definitions of Vegetation Strata:
5.	Agrostis gigantea	5	N	FACW	
6	Apocynum cannabinum	2	N	FAC	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.	Juncus alpinoarticulatus	2	N	OBL	height (DBH), regardless of height.
8.	Lobelia kalmii	1	N	OBL	• Westernland less than Oir BBU recordings of height
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.		<u></u>			
15.					Woody Vines - All woody vines, regardless of height.
13.	Total Cover :	= 80			vvoody vines - v.m. moody vines, regulations of meight
	Total Gover -	- 00	_		
Woody Vine St	ratum (Plot size: 30 ft. radius)				
1.	Tatam (Flot size: 66 ft. fadias)				
2.					
3.					Hydrophytic Vegetation Present? Y
5.					
4.					
	Total Cover :	= 0			
Remarks:	A calcareous-influenced wet meadow domi	nated by va	rigated sco	ouring rus	h, yellow-green sedge, and tufted hair grass in a road ditch. Hydrophytic vegetation
	is present.				
Additional R	Remarks:				