WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	1	3D									Data:	00/15/14
Project/Site:		.3R									Date:	<u>09/15/14</u>
Applicant:						Subragion (MLRA or LRR): MLRA 56					County: State:	Pennington
Investigators							Subregion (MLRA or LRR): <u>MLRA 56</u>					MN
Soil Unit:	I9A NWI Classification: Depression Local Relief: CC											
Landform:											Sample Point	w-154n44w33-a1
Slope (%):	0 - 2%	<u></u>	Latitude: 4			Longitude:			Datum:			
	· · ·	ditions on the site				I? (If no, exp	1		☑ Yes	□ No	Section:	
Are Vegetati		□, or Hydrology	•	•			Are	e normal circu	•	esent?	Township:	
Are Vegetati		□, or Hydrology	Daturally	y prob	plematic?			⊠ Yes	□ No		Range:	Dir:
	OF FINDINGS											
Hydrophytic	Vegetation Pre	sent?	Y	′es					Hydric Soi	Is Present?	Yes	
Wetland Hyd	drology Present	i?	Y	′es					Is This Sa	mpling Poin	t Within A W	etland? Yes
Remarks:	The wetland i	s a wet prairie lo	ocated mos	stly ir	n a roadside	ditch alor	ng 120th	Avenue. It is a	dominated by	prairie coro	dgrass. All we	etland parameters are met.
HYDROLOG	Y											
Wetland Hy	/drology Indic	ators (Check all	I that apply	v: Mir	nimum of one	e primarv	or two s	econdary requ	uired):			
Primary	•••			<i>y</i> ,		o primary				Secondary:		
\square A1 - Surface Water \square						B11 - Salt	Crust				B6 - Surface S	oil Cracks
	A2 - High Wate	r Table				B13 - Aqua	atic Fauna	l				Vegetated Concave Surface
	A3 - Saturation					C1 - Hydro					B10 - Drainage	
	B1 - Water Mar					C2 - Dry S						Rhizospheres on Living Roots (tilled)
	B2 - Sediment [spheres on Living	g Roots (not till	• •	C8 - Crayfish I	
	B3 - Drift Depos B4 - Algal Mat c					C4 - Prese C7 - Thin N		educed Iron			D2 - Geomorp	n Visible on Aerial Imagery
	B5 - Iron Depos					Other (Exp		ace			D5 - FAC-Neu	
	•	Visible on Aerial Im	nagery				Jany					aved Hummocks (LRR F)
	B9 - Water-Stai											()
Field Obser	vations:											
Surface Wat	ter Present? Y	′es □	D	Depth:		(in.)						
Water Table		′es □		Depth:		(in.)			Wetland H	lydrology F	Present?	Y
Saturation P		čs ⊑ ′es □		Depth:		(in.)						
	Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:											
Describe Rec		eani yauye, mon	moning well	i, aena	ai photos, pre	evious insp	pections),	if available:				
Remarks:	•	wetland hydrolog			ai photos, pre	evious insp	pections),	, if available:				
Remarks:	•				ai priotos, pre	evious insp	pections),	, if available:				
Remarks: SOILS	Indicators of	wetland hydrolog	gy are pres	sent.								
Remarks: SOILS Profile Descr	Indicators of v	wetland hydrolog	gy are pres	sent. locum	nent the indic	cator or co	onfirm th	e absence of				
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Remarks: SOILS Profile Descr	Indicators of v	e to the depth ne	gy are pres	sent. locum	nent the indic	cator or co	onfirm th tion: PL=P	e absence of ore Lining, M=Ma				
Remarks: SOILS Profile Descr (Type: C=Conce	Indicators of v iption (Describent ntration, D=Depleti	e to the depth ne	gy are pres	sent. locum	nent the indic /Coated Sand G	cator or co Brains; Loca	onfirm th tion: PL=P Mottl	e absence of ore Lining, M=Ma	trix)			
Remarks: SOILS Profile Descr	Indicators of v iption (Describent ntration, D=Depleti	e to the depth ne ion, RM=Reduced M Matrix Color (Moist)	gy are pres	sent. locum overed/ %	nent the indic	cator or co Brains; Loca	onfirm th tion: PL=P	e absence of ore Lining, M=Ma		Texture		Remarks
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Remarks: SOILS Profile Descr (Type: C=Concer Depth (In.) 0-11 11-21 NRCS Hydr NRCS Hydr	Indicators of v iption (Describent ntration, D=Depletion Hue_10YR Hue_2.5Y Hue_2.5Y A1- Histosol A2 - Histic Epip A3 - Black Histi A4 - Hydrogen S A5 - Stratified L A9 - 1 cm Muck A11 - Depleted A12 - Thick Dar S1 - Sandy Muc S2 - 2.5 cm Muck S3 - 5 cm Muck S4 - Sandy Gles	e to the depth netion, RM=Reduced Matrix Matrix Color (Moist) 2/1 5/2 ndicators (ch edon c Sulfide ayers (LRR F) c (LRR FGH) Below Dark Surfactors k Surface cky Peat or Peat (LR y Peat or Peat (LR	gy are pres	sent.	Color (N Color (N Hue_10YR Hue_10YR icators are n S5 - Sandy Re S6 - Stripped F1 - Loamy M F2 - Loamy G F3 - Depleted F6 - Redox Da F7 - Depleted F8 - Redox Da	cator or co Grains; Loca Moist; Loca 5/6 5/6 ot presen edox Matrix ucky Miner leyed Matri Matrix ark Surface Dark Surface epressions	al ace	e absence of i ore Lining, M=Ma	Location M	CL C Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Su F16 - High P F18 - Reduc TF2 - Red P TF12 - Very Other (Expla	uck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depressioned Vertic arent Material Shallow Dark S nin in Remarks)	<u>c Soils¹</u> (LRR F, G, H) DNS (LRR H, outside MLRA 72, 73)
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Remarks: SOILS Profile Descr (Type: C=Concer Depth (In.) 0-11 11-21 NRCS Hydr	Indicators of v iption (Describent ntration, D=Depletion Hue_10YR Hue_2.5Y Hue_2.5Y Hue_2.5Y A1- Histosol A2 - Histic Epip A3 - Black Histi A4 - Hydrogen S A5 - Stratified L A9 - 1 cm Muck A11 - Depleted A12 - Thick Dar S1 - Sandy Muc S2 - 2.5 cm Muck S3 - 5 cm Muck S4 - Sandy Gles r Type: The soil has a	e to the depth ne ion, RM=Reduced Ma Matrix Color (Moist) 2/1 5/2 ndicators (ch edon c Sulfide ayers (LRR F) c (LRR FGH) Below Dark Surface cky Mineral cky Peat or Peat (LR y Peat or Peat (LR y Peat or Peat (LR	gy are pres	sent.	Color (N Color (N Hue_10YR Hue_10YR icators are n S5 - Sandy Re S6 - Stripped F1 - Loamy M F2 - Loamy G F3 - Depleted F3 - Depleted F6 - Redox Da F7 - Depleted F8 - Redox Da F7 - Depleted F8 - Redox Da F16 - High Pla	cator or co Grains; Loca Moist) 5/6 ot presen edox Matrix ucky Miner leyed Matri Matrix ark Surface Dark Surface pressions ains Depres	onfirm th tion: PL=P Mottle % 4 4 t):	e absence of i ore Lining, M=Ma es Type C C	trix)	CL C Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Su F16 - High P F18 - Reduc TF2 - Red P TF12 - Very Other (Expla	uck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression arent Material Shallow Dark S ain in Remarks) ydrophytic vegetated or problematic.	<u>c Soils¹</u> (LRR F, G, H) DNS (LRR H, outside MLRA 72, 73)

WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-154n44w33-a1			
VEGETATIO		re non-native	species.)					
Tree Stratum	(Plot size: 30 ft. radius)	% Cover	Dominant	Ind Statua	Dominance Test Worksheet			
1.	<u>Species Name</u>	<u>% Cover</u>	<u>Dominant</u>	Ind.Status				
2.					Number of Dominant Species that are OBL, FACW, or FAC: 2 (A)			
3.								
4.					Total Number of Dominant Species Across All Strata: 3 (B)			
5.								
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 66.7% (A/B)			
7.								
8.	J				Prevalence Index Worksheet			
9.					Total % Cover of: Multiply by:			
10.					OBL spp. 40 X 1 = 40			
	Total Cover =	0	FACW spp. 30 X 2 = 60					
			FAC spp. 15 X 3 = 45					
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp. 25 x 4 = 100			
<u>1.</u>					UPL spp. 5 $x 5 = 25$			
2.								
3.					Total 115 (A) 270 (B)			
4.								
5.					Prevalence Index = B/A = 2.348			
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 *			
					Morphological Adaptations (Explain) *			
Herb Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *			
1.	Carex pellita	40	Y	OBL				
2.	Andropogon gerardii	25	Y	FACU	* Indicators of hydric soil and wetland hydrology must be			
3.	Spartina pectinata	25	Y	FACW	present, unless disturbed or problematic.			
4.	Apocynum cannabinum	10	Ν	FAC	Definitions of Vegetation Strata:			
5.	Agrostis gigantea	5	Ν	FACW				
6	Bromus inermis	5	Ν	UPL	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast			
7.	Helianthus giganteus	5	Ν	FAC	height (DBH), regardless of height.			
8.	Stachys palustris	5	Ν					
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.								
15.					Woody Vines - All woody vines, regardless of height.			
	Total Cover =	120						
	ratum (Plot size: 30 ft. radius)							
1.								
2.								
3.					Hydrophytic Vegetation Present? Y			
5.	1							
4.	Tatal Onur	0						
Remarks:	Total Cover =	0						
Remarks:								
Additional 5	Remarks							
Additional Remarks: The wetland is dominated by woolly sedge, prairie cordgrass, and big bluestem. Hydrophytic vegetation is present.								
	is commated by woony sedge, plaine cologia	ss, and bly	มนธรเษทา.	пушорп				