WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R									Date:	10/10/14
Applicant:		Enbridge									County:	Polk
Investigators		NTT/BEH				Subregion	ı (MI RA	or LRR):	MLRA 56		State:	MN
Soil Unit:								Classification:			Olulo.	WIIA
								Ciassilication.			4	450 00 00 0
Landform:	Rise					cal Relief:					Sample Point	u-150n39w29-a3
Slope (%):	8 - 15%		Latitude: 47	7.7793	318	Longitude:	-95.672	598	Datum	:		
Are climatic/	hvdrologic co	nditions on the site	e tvpical fo	or this	time of vea	r? (If no. exp	lain in rema	arks)	⊡Yes	□ No	Section:	
Are Vegetati		□ or Hydrology			isturbed?			normal circum			Township:	
							7 11 0	✓ Yes	□No	Cociit:		5.
Are Vegetati		I ☐ or Hydrology	Liturally	proble	emauc?			<u>□</u> 168			Range:	Dir:
SUMMARY (OF FINDING:	S										
Hydrophytic	Vegetation P	resent?	No	0					Hydric So	ils Present?	No No	
	drology Prese		No								nt Within A W	etland? No
	The unland	nii:			to a alamta	ما ما سطامات	an field :	The vestation	is demine		the browns one	Canada thiatle
Remarks:	rne upiano	point is located on	i a rise auj	jacent	to a plante	a sunilow	er neid.	rne vegetation	is dominat	ed by smoo	un brome and	i Canada inisile.
HYDROLOG	Υ											
Wetland Hy	drology Ind	icators (Check all	l that apply	/; Minir	mum of one	e primary	or two se	econdary requir	red):			
<u>Primary</u>	<u>:</u>									Secondary:	<u>:</u>	
	A1 - Surface \	Water				B11 - Salt (Crust				B6 - Surface S	Soil Cracks
	A2 - High Wa	ter Table				B13 - Aqua	tic Fauna				B8 - Sparsely	Vegetated Concave Surface
l 🗆	A3 - Saturatio					C1 - Hydrog						e Patterns
I 🗇	B1 - Water M			☐ C2 - Dry Season Water Table								Rhizospheres on Living Roots (tilled)
I	B2 - Sedimen							spheres on Living	Roots (not til		C8 - Crayfish I	
1 5	B3 - Drift Dep					C4 - Presei						n Visible on Aerial Imagery
1 5	B4 - Algal Ma					C7 - Thin M					D2 - Geomorp	
1 5	B5 - Iron Dep					Other (Expl					D5 - FAC-Neu	
l H		on Visible on Aerial Im	20001			Other (Expi	iaiii)					aved Hummocks (LRR F)
_			lagery								D7 - FIOSI-HE	aved nullillocks (LRR F)
	B9 - Water-St	tained Leaves										
Field Obser	vations:											
	er Present?	V □	Б.			(in)						
				epth:		(in.)			Wetland I	Hydrology	Present?	N
Water Table	Present?	Yes \square	De	epth:		(in.)				,		
Saturation P	resent?	Yes \square	De	epth:		(in.)						
Catalogue 1 Control 1 Cont												
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:												
Describe Rec	orded Data (s	stream gauge, moni	itoring well,	, aerial	photos, pre	vious insp	ections),	if available:				
Describe Rec					photos, pre	evious insp	ections),	if available:				
		stream gauge, moni hydrology indicato			photos, pre	evious insp	ections),	if available:				
Remarks:					photos, pre	evious insp	ections),	if available:				
Remarks:	No wetland	hydrology indicato	ors present	t.			·		dia ataura)			
Remarks: SOILS Profile Descr	No wetland	hydrology indicato	ors present	t. ocume	ent the indic	cator or co	onfirm the	e absence of in				
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Remarks: SOILS Profile Descr	No wetland	hydrology indicato ibe to the depth ne etion, RM=Reduced Ma	ors present	t. ocume	ent the indic	cator or co	onfirm the	e absence of in ore Lining, M=Matr				
Remarks: SOILS Profile Descr (Type: C=Conce	No wetland	hydrology indicato ibe to the depth ne etion, RM=Reduced Ma Matrix	eeded to do	t. ocume vered/C	ent the indic	cator or co Grains; Locat	onfirm the	e absence of in ore Lining, M=Matr es	ix)	Toytura		Pamarke
Remarks: SOILS Profile Descr (Type: C=Conce	No wetland	hydrology indicato ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to do	ocume vered/C	ent the indic	cator or co Grains; Locat	onfirm the	e absence of in ore Lining, M=Matr		Texture		Remarks
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Remarks: SOILS Profile Descr (Type: C=Conce Depth (In.) 0-2 2-5	No wetland iption (Descriptration, D=Depl Hue_10YR Hue_2.5Y	hydrology indicato ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/2 6/3	eeded to do atrix, CS=Cov	t. ocume vered/C	ent the indic	cator or co Grains; Locat	onfirm the	e absence of in ore Lining, M=Matr es	ix)	FSL FS		Remarks
Remarks: SOILS Profile Descr (Type: C=Conce Depth (In.) 0-2 2-5 5-10	No wetland iption (Descrintration, D=Depl Hue_10YR Hue_2.5Y Hue_10YR	hydrology indicato libe to the depth ne letion, RM=Reduced Matrix Color (Moist) 2/2 6/3 2/2	eeded to do atrix, CS=Cov	% 100 100 100 100 100 100 100 100 100 10	ent the indic	cator or co Grains; Locat	onfirm the	e absence of in ore Lining, M=Matr es	ix)	FSL FS LFS		Remarks
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Remarks: SOILS Profile Descr (Type: C=Conce Depth (In.) 0-2 2-5 5-10 10-16	No wetland iption (Descrintration, D=Depl Hue_10YR Hue_2.5Y Hue_10YR Hue_10YR	hydrology indicato libe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/2 6/3 2/2 4/4	eeded to do atrix, CS=Cov	% 100 100 100 100 100 100 100 100 100 10	ent the indicoated Sand C	cator or co	onfirm the	e absence of in ore Lining, M=Matr es Type	Location	FSL FS LFS LFS	abundant pebble	
Remarks: SOILS Profile Descr (Type: C=Conce Depth (In.) 0-2 2-5 5-10 10-16 16-24	No wetland iption (Descrintration, D=Depl Hue_10YR Hue_2.5Y Hue_10YR Hue_10YR Hue_10YR	hydrology indicato libe to the depth ne letion, RM=Reduced Matrix Color (Moist) 2/2 6/3 2/2 4/4 4/3	eeded to do atrix, CS=Cov	% 100 100 100 97 H	cont the indicoated Sand C Color (N	cator or co Grains; Locat Moist)	onfirm the	e absence of in ore Lining, M=Matri es Type	Location	FSL FS LFS LFS	abundant pebble	
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Remarks: SOILS Profile Descr (Type: C=Conce Depth (In.) 0-2 2-5 5-10 10-16 16-24 NRCS Hydi	No wetland iption (Descrintration, D=Depl Hue_10YR Hue_2.5Y Hue_10YR Hue_10YR Hue_10YR All- Histosol	hydrology indicato ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/2 6/3 2/2 4/4 4/3 Indicators (ch	eeded to do atrix, CS=Cov	% 100 100 100 97 H	Color (N	cator or co Grains; Locat Moist) 4/6 ot present	onfirm the	e absence of in ore Lining, M=Matri es Type	Location M	FSL FS LFS LFS FSL Indicators 1 A9 - 1 cm M	for Problemati	s <u>c Soils¹</u>
Remarks: SOILS Profile Descr (Type: C=Conce Depth (In.) 0-2 2-5 5-10 10-16 16-24 NRCS Hydi	No wetland iption (Descrintration, D=Depl Hue_10YR Hue_2.5Y Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep	hydrology indicato ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/2 6/3 2/2 4/4 4/3 Indicators (ch	eeded to do atrix, CS=Cov	t. ocume vered/C % 100 100 100 97 H if indic S S	Color (No. 10 Co	Cator or co Grains; Locat Moist) 4/6 ot present	Mottle % 3	e absence of in ore Lining, M=Matri es Type	Location M	FSL FS LFS LFS FSL Indicators 1 A9 - 1 cm M A16 - Coast	for Problemati fuck (LRR I, J) t Prairie Redox	s c Soils ¹ (LRR F, G, H)
Remarks: SOILS Profile Descr (Type: C=Conce Depth (In.) 0-2 2-5 5-10 10-16 16-24 NRCS Hydi	No wetland iption (Descrintration, D=Depl Hue_10YR Hue_2.5Y Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His	hydrology indicato libe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/2 6/3 2/2 4/4 4/3 Indicators (ch	eeded to do atrix, CS=Cov	t. ocume wered/C % 100 100 100 97 H if indic S S F	Color (N Color (N Hue_7.5YR cators are n S5 - Sandy Re 66 - Stripped 1 - Loamy M	A/6 ot presented ox Matrix ucky Mineral	monfirm the sign of the sign o	e absence of in ore Lining, M=Matri es Type	Location M	FSL FS LFS LFS FSL Indicators ii A9 - 1 cm M 3 A16 - Coast S7 - Dark S	for Problemati fuck (LRR I, J) t Prairie Redox urface (LRR G)	s <u>c Soils¹</u> (LRR F, G, H)
Remarks: SOILS Profile Descr (Type: C=Conce Depth (In.) 0-2 2-5 5-10 10-16 16-24 NRCS Hydr	No wetland iption (Descrintration, D=Depl Hue_10YR Hue_2.5Y Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge	hydrology indicato libe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/2 6/3 2/2 4/4 4/3 Indicators (ch	eeded to do atrix, CS=Cov	t. ocume vered/C % 100 100 100 100 97 H if indic S S S F F	Color (N Color (N Hue_7.5YR cators are n 65 - Sandy Re 66 - Stripped 11 - Loamy M 12 - Loamy G	A/6 ot presented address water with the control of	monfirm the sign of the sign o	e absence of in ore Lining, M=Matri es Type	Location M	FSL FS LFS FSL Indicators: A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F	for Problemati fuck (LRR I, J) t Prairie Redox urface (LRR G) Plains Depressi	s c Soils ¹ (LRR F, G, H)
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Remarks: SOILS Profile Descr (Type: C=Conce Depth (In.) 0-2 2-5 5-10 10-16 16-24 NRCS Hydi	No wetland iption (Descrintration, D=Depl Hue_10YR Hue_2.5Y Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A9 - 1 cm Mu	hydrology indicato ibe to the depth ne etion, RM=Reduced Ms Matrix Color (Moist) 2/2 6/3 2/2 4/4 4/3 Indicators (ch sipedon stic n Sulfide ILayers (LRR F) ck (LRR FGH)	eeded to do atrix, CS=Con	0cume % 100 1	Color (N Color	A/6 ot present edox Matrix ucky Minera leyed Matrix ark Surface	Mottle % 3 t):	e absence of in ore Lining, M=Matri es Type	Location M	FSL FS LFS LFS FSL Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduct TF2 - Red F	for Problemating for Problemating fuck (LRR I, J) t Prairie Redox furface (LRR G) Plains Depression function parent Material	c Soils ¹ (LRR F, G, H) DNS (LRR H, outside MLRA 72, 73)
Remarks: SOILS Profile Descr (Type: C=Conce Depth (In.) 0-2 2-5 5-10 10-16 16-24 NRCS Hydi	No wetland iption (Descrintration, D=Depl Hue_10YR Hue_2.5Y Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete	hydrology indicato ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/2 6/3 2/2 4/4 4/3 Indicators (ch pipedon stic n Sulfide l Layers (LRR F) ck (LRR FGH) dd Below Dark Surface	eeded to do atrix, CS=Con	% 100 10	Color (N Color (N Lue_7.5YR cators are n S5 - Sandy Re 16 - Stripped 1 - Loamy M 2 - Loamy G 3 - Depleted 6 - Redox D 6 - Redox D 6 - Pepleted	A/6 ot present edox Matrix ucky Minera leyed Matrix Matrix Matrix Ark Surface Dark Surface	Mottle % 3 t):	e absence of in ore Lining, M=Matri es Type	Location M	FSL FS LFS LFS FSL Indicators is A9 - 1 cm N A16 - Coast S7 - Dark S F16 - High F F18 - Reduct TF2 - Red F TF12 - Very	for Problematinuck (LRR I, J) t Prairie Redox urface (LRR G) Plains Depression ced Vertic Parent Material t Shallow Dark S	c Soils ¹ (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73) Surface
Remarks: SOILS Profile Descr (Type: C=Conce Depth (In.) 0-2 2-5 5-10 10-16 16-24 NRCS Hydi	No wetland iption (Descrintration, D=Depl Hue_10YR Hue_2.5Y Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2- Histic Ep A3- Black His A4- Hydroge A5- Stratified A9-1 cm Mu A11- Deplete A12- Thick D	hydrology indicato ibe to the depth ne etion, RM=Reduced Me Matrix Color (Moist) 2/2 6/3 2/2 4/4 4/3 Indicators (ch sipedon stic n Sulfide ILayers (LRR F) ck (LRR FGH) cd Below Dark Surface ark Surface	eeded to do atrix, CS=Con	0 0 0 0 0 0 0 0 0 0	Color (N Color (N Lue_7.5YR Cators are n S5 - Sandy Re 66 - Stripped 11 - Loamy M 12 - Loamy M 13 - Depleted 16 - Redox De 17 - Depleted 18 - Redox De	A/6 ot present edox Motrix ucky Minera leyed Matrix Matrix Ark Surface Dark Surface poressions	monfirm the month of the month	e absence of in ore Lining, M=Matr es Type	Location M	FSL FS LFS LFS FSL Indicators is A9 - 1 cm N A16 - Coast S7 - Dark S F16 - High F F18 - Reduct TF2 - Red F TF12 - Very	for Problemating for Problemating fuck (LRR I, J) t Prairie Redox furface (LRR G) Plains Depression function parent Material	c Soils ¹ (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73) Surface
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Remarks: SOILS Profile Descr (Type: C=Conce Depth (In.) 0-2 2-5 5-10 10-16 16-24 NRCS Hydi	No wetland iption (Descrintration, D=Depl Hue_10YR Hue_2.5Y Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydrogei A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M	hydrology indicato hydrology indicato libe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/2 6/3 2/2 4/4 4/3 Indicators (ch lipedon stic n Sulfide I Layers (LRR F) ck (LRR FGH) bd Below Dark Surface lucky Mineral flucky Peat or Peat (LI	eeded to do atrix, CS=Cov	0 0 0 0 0 0 0 0 0 0	Color (N Color (N Lue_7.5YR Cators are n S5 - Sandy Re 66 - Stripped 11 - Loamy M 12 - Loamy M 13 - Depleted 16 - Redox De 17 - Depleted 18 - Redox De	A/6 ot present edox Motrix ucky Minera leyed Matrix Matrix Ark Surface Dark Surface poressions	monfirm the month of the month	e absence of in ore Lining, M=Matr es Type	Location M	FSL FS LFS LFS FSL Indicators is A9 - 1 cm N A16 - Coast S7 - Dark S F16 - High F F18 - Reduct TF2 - Red F TF12 - Very	for Problematinuck (LRR I, J) t Prairie Redox urface (LRR G) Plains Depression ced Vertic Parent Material t Shallow Dark S	c Soils ¹ (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73) Surface
Remarks: SOILS Profile Descr (Type: C=Conce	No wetland iption (Descrintration, D=Depl Hue_10YR Hue_2.5Y Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydrogei A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M	hydrology indicato ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/2 6/3 2/2 4/4 4/3 Indicators (ch ipedon stic n Sulfide I Layers (LRR F) ck (LRR FGH) cd Below Dark Surface ark Surface ucky Mineral	eeded to do atrix, CS=Cov	0 0 0 0 0 0 0 0 0 0	Color (N Color (N Lue_7.5YR Cators are n S5 - Sandy Re 66 - Stripped 11 - Loamy M 12 - Loamy M 13 - Depleted 16 - Redox De 17 - Depleted 18 - Redox De	A/6 ot present edox Motrix ucky Minera leyed Matrix Matrix Ark Surface Dark Surface poressions	monfirm the month of the month	e absence of in ore Lining, M=Matr es Type	Location M	Indicators Indicators A9 - 1 cm M A16 - Coast S7 - Dark S F18 - Reduc TF2 - Red F TF12 - Very Other (Explain	for Problemating Muck (LRR I, J) I Prairie Redox urface (LRR G) Plains Depressioned Vertic Parent Material Shallow Dark Sain in Remarks)	c Soils ¹ (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73) Surface
Remarks: SOILS Profile Descr (Type: C=Conce Depth (In.) 0-2 2-5 5-10 10-16 16-24 NRCS Hydi	No wetland iption (Descrintration, D=Depl Hue_10YR Hue_2.5Y Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydrogei A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M	hydrology indicato ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/2 6/3 2/2 4/4 4/3 Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) dd Below Dark Surface ucky Mineral Mucky Peat or Peat (LR) cky Peat or Peat (LR)	eeded to do atrix, CS=Cov	0 0 0 0 0 0 0 0 0 0	Color (N Color (N Lue_7.5YR Cators are n S5 - Sandy Re 66 - Stripped 11 - Loamy M 12 - Loamy M 13 - Depleted 16 - Redox De 17 - Depleted 18 - Redox De	A/6 ot present edox Motrix ucky Minera leyed Matrix Matrix Ark Surface Dark Surface poressions	monfirm the month of the month	e absence of in ore Lining, M=Matr es Type	Location M	Indicators is Indicators is Indicators is Indicators is Indicators is Indicators is Indicators Indicators Indicators Indicators Indicators of Indicators of Indicators of Indicators Indica	for Problemating Muck (LRR I, J) I Prairie Redox urface (LRR G) Plains Depressioned Vertic Parent Material Shallow Dark Sain in Remarks)	S C Soils¹ (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73) Surface
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Remarks: SOILS Profile Descr (Type: C=Conce Depth (In.) 0-2 2-5 5-10 10-16 16-24 NRCS Hydi	No wetland iption (Descrintration, D=Depl Hue 10YR Hue 2.5Y Hue 10YR Hue 2.5 oil Field A1- Histosol A2- Histic Ep A3- Black His A4- Hydroge A5- Stratified A9- 1 cm Mu A11- Deplete A12- Thick D S1- Sandy S2- 2.5 cm Mu	hydrology indicato ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/2 6/3 2/2 4/4 4/3 Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) dd Below Dark Surface ucky Mineral Mucky Peat or Peat (LR) cky Peat or Peat (LR)	eeded to do atrix, CS=Cov	0 0 0 0 0 0 0 0 0 0	Color (N Color (N Lue_7.5YR Cators are n S5 - Sandy Re 66 - Stripped 11 - Loamy M 12 - Loamy M 13 - Depleted 16 - Redox De 17 - Depleted 18 - Redox De	A/6 ot present edox Motrix ucky Minera leyed Matrix Matrix Ark Surface Dark Surface poressions	monfirm the month of the month	e absence of in ore Lining, M=Matr es Type	Location M	Indicators is Indicators is Indicators is Indicators is Indicators is Indicators is Indicators Indicators Indicators Indicators Indicators of Indicators of Indicators of Indicators Indica	for Problemati Muck (LRR I, J) It Prairie Redox urface (LRR G) Plains Depressi ced Vertic Parent Material y Shallow Dark S ain in Remarks)	S C Soils¹ (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73) Surface
Remarks: SOILS Profile Descr (Type: C=Conce Depth (In.) 0-2 2-5 5-10 10-16 16-24 NRCS Hydi	No wetland iption (Descrintration, D=Depl Hue_10YR Hue_2.5Y Hue_10YR Hue_10	hydrology indicato hydrology indicato libe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/2 6/3 2/2 4/4 4/3 Indicators (ch sipedon stic n Sulfide I Layers (LRR F) ck (LRR FGH) dd Below Dark Surface lucky Mineral lucky Peat or Peat (LRR leyed Matrix	eeded to do atrix, CS=Cov	0 0 0 0 0 0 0 0 0 0	Color (N Color (N Lue_7.5YR Cators are n S5 - Sandy Re 66 - Stripped 11 - Loamy M 12 - Loamy M 13 - Depleted 16 - Redox De 17 - Depleted 18 - Redox De	A/6 ot present edox Motrix ucky Minera leyed Matrix Matrix Ark Surface Dark Surface poressions	monfirm the month of the month	e absence of in ore Lining, M=Matries Type C P RA 72, 73 of LRF	Location M	Indicators of unless disturbed	for Problemati Muck (LRR I, J) It Prairie Redox urface (LRR G) Plains Depressi ced Vertic Parent Material y Shallow Dark S ain in Remarks)	S C Soils¹ (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73) Surface
Remarks: SOILS Profile Descr (Type: C=Conce Depth (In.) 0-2 2-5 5-10 10-16 16-24 NRCS Hydi	No wetland iption (Descrintration, D=Depl Hue_10YR Hue_2.5Y Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Output A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydrogel A5 - Stratific A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mu S4 - Sandy G	hydrology indicato hydrology indicato libe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/2 6/3 2/2 4/4 4/3 Indicators (ch sipedon stic n Sulfide I Layers (LRR F) ck (LRR FGH) dd Below Dark Surface lucky Mineral lucky Peat or Peat (LRR leyed Matrix	eeded to do atrix, CS=Cov	0 0 0 0 0 0 0 0 0 0	Color (N Color (N Lue_7.5YR Cators are n S5 - Sandy Re C6 - Stripped 1 - Loamy M 2 - Loamy G 6 - Redox D 7 - Depleted 8 - Redox D 16 - High Pla	A/6 ot present edox Motrix ucky Minera leyed Matrix Matrix Ark Surface Dark Surface poressions	monfirm the month of the month	e absence of in ore Lining, M=Matr es Type	Location M	Indicators of unless disturbed	for Problemati Muck (LRR I, J) It Prairie Redox urface (LRR G) Plains Depressi ced Vertic Parent Material y Shallow Dark S ain in Remarks)	S C Soils¹ (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73) Surface
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Remarks: SOILS Profile Descr (Type: C=Conce Depth (In.) 0-2 2-5 5-10 10-16 16-24 NRCS Hydi	No wetland iption (Descrintration, D=Depl Hue 10YR Hue 2.5Y Hue 10YR Hue 10	hydrology indicato ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/2 6/3 2/2 4/4 4/3 Indicators (ch ipedon stic n Sulfide I Layers (LRR F) ck (LRR FGH) ck (LRR FGH) ck (LRR FGH) ducky Mineral lucky Peat or Peat (LI cky Peat or Peat (LRF leyed Matrix	eeded to do atrix, CS=Con	0 0 0 0 0 0 0 0 0 0	Color (N Color (N Lue_7.5YR Cators are n S5 - Sandy Re C6 - Stripped 1 - Loamy M 2 - Loamy G 6 - Redox D 7 - Depleted 8 - Redox D 16 - High Pla	A/6 ot present edox Motrix ucky Minera leyed Matrix Matrix Ark Surface Dark Surface poressions	monfirm the month of the month	e absence of in ore Lining, M=Matries Type C P RA 72, 73 of LRF	Location M	Indicators of unless disturbed	for Problemati Muck (LRR I, J) It Prairie Redox urface (LRR G) Plains Depressi ced Vertic Parent Material y Shallow Dark S ain in Remarks)	S C Soils¹ (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73) Surface

WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-150n39w29-a3			
VEGETATIO	N (Species identified in all uppercase are	e non-native	species.)					
Tree Stratum ((Plot size: 30 ft. radius)							
	Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet			
1.								
2.					Number of Dominant Species that are OBL, FACW, or FAC: (A)			
3.					,			
4.					Total Number of Dominant Species Across All Strata: 1 (B)			
5.					(B)			
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)			
					Percent of Dominant Species That Ale OBL, FACW, of FAC			
7.					B 1 1 1 W 1 1 4			
8.					Prevalence Index Worksheet			
9.					Total % Cover of: Multiply by:			
10.					OBL spp. 0 x 1 = 0			
	Total Cover =	0			FACW spp. $0 x 2 = 0$			
					FAC spp. 0 x 3 = 0			
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)		FACU spp. 15 x 4 = 60					
1.					UPL spp. 85 X 5 = 425			
2.								
3.					Total 100 (A) 485 (B)			
					Total 100 (A) 485 (B)			
4.								
5.					Prevalence Index = B/A = 4.850			
6.								
7.								
8.					Hydrophytic Vegetation Indicators:			
9.					Rapid Test for Hydrophytic Vegetation			
10.					Dominance Test is > 50%			
10.	_l Total Cover =	0						
	Total Cover =	U	_		Prevalence Index is ≤ 3.0 *			
					Morphological Adaptations (Explain) *			
	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *			
1.	Bromus inermis	85	Y	UPL				
2.	Cirsium arvense	10	N	FACU	* Indicators of hydric soil and wetland hydrology must be			
3.	Phleum pratense	5	N	FACU	present, unless disturbed or problematic.			
4.				_	Definitions of Vegetation Strata:			
5.					_			
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast			
7.				-	height (DBH), regardless of height.			
8.				_				
					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.			
9.				_	Sapling/Snrub - Woody plants less than 3 in. DBH, Tegardiess 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 =	100						
	Total Cover –	100	_					
14/ 1								
	ratum (Plot size: 30 ft. radius)							
1.								
2.								
3.					Hydrophytic Vegetation Present? N			
5.								
4.								
	Total Cover =	0						
Remarks:	The upland vegetation is dominated by smooth							
remains. The upland vegetation is dominated by smooth brome.								
Additional F	Remarks:							