WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	10/03/14
Applicant:		Enbridge								County:	Polk
Investigators: BJC/RAJ				Subregion (MLRA or LRR):				MLRA 56		State:	MN
Soil Unit:	<u> </u>										
Landform:	Footslope				aal Daliafi (silication.			OI- D-1-1	450m4040 h4
					cal Relief: (Sample Point:	u-150n40w16-b1
Slope (%):	3 - 7%		Latitude: 47.			-95.773810		Datum:			
Are climatic/		nditions on the site		this time of year	ar? (If no, expl			⊡Yes	□ No	Section:	
Are Vegetati	on 🖵 Soil	☐ or Hydrology	□gnifican	itly disturbed?		Are norn	nal circum	istances pro	esent?	Township:	
Are Vegetati		☐ or Hydrology					Yes	□No		Range:	Dir:
SUMMARY (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						r tarigo:	5
Hydrophytic	•		No						Is Present?		
Wetland Hyd			No						mpling Poin	t Within A We	etland? No
Remarks:	The upland	sample point is loo	cated in a q	rassland domir	ated by big	g bluestem ar	nd smooth	brome.			
	•		ŭ		, ,						
LIVEROLOG	V										
HYDROLOG	Y										
Wetland Hy	drology Ind	icators (Check all	that apply:	Minimum of or	e primary o	or two second	darv requi	red):			
Primary		(-			/-	Secondary:		
<u></u>	A1 - Surface	Nater		П	B11 - Salt C	Crust				B6 - Surface S	oil Cracks
1 =	A2 - High Wa				B13 - Aquati						Vegetated Concave Surface
I	A3 - Saturation					gen Sulfide Odo	or			B10 - Drainage	
I	B1 - Water M					ason Water Tal					Rhizospheres on Living Roots (tilled)
I	B2 - Sedimen					ed Rhizosphere		Roots (not till		C8 - Crayfish E	
	B3 - Drift Dep					nce of Reduced		110000 (1101 1111			Nisible on Aerial Imagery
I	B4 - Algal Ma				C7 - Thin Mu		11011			D2 - Geomorp	
	B5 - Iron Dep				Other (Expla					D5 - FAC-Neut	
I		n Visible on Aerial Im	nagery	_	Other (Expire	all I)					aved Hummocks (LRR F)
	B9 - Water-S		lagery						_	D7 - 11031-1100	ived Fiditiffocks (ERRYT)
_	20 114(0. 0										
Field Obser											
Surface Wat	er Present?	Yes	Dep	oth:	(in.)			VA/-4111		3	N.I.
Water Table	Present?	Yes	Der	oth:	(in.)			vvetiana F	lydrology l	Present?	N
Saturation P		Yes		oth:	(in.)						_
Saturation	i esent:	res 🗀	Det	JIII.							
					(111.)						
Describe Rec	orded Data (s	stream gauge, moni	itoring well, a		. , ,	ections), if ava	ailable:				
				aerial photos, pr	. , ,	ections), if ava	ailable:				
Describe Rec Remarks:		stream gauge, moni		aerial photos, pr	. , ,	ections), if ava	ailable:				
Remarks:				aerial photos, pr	. , ,	ections), if ava	ailable:				
Remarks:	No indicato	rs of wetland hydro	ology were o	aerial photos, probserved.	evious inspe						
Remarks: SOILS Profile Descr	No indicato	rs of wetland hydro	ology were o	perial photos, probserved.	evious inspe	nfirm the abs	ence of in				
Remarks: SOILS Profile Descr	No indicato	rs of wetland hydro	ology were o	perial photos, probserved.	evious inspe	nfirm the abs	ence of in				
Remarks: SOILS Profile Descr	No indicato	rs of wetland hydro	ology were o	perial photos, probserved.	evious inspe	nfirm the abs	ence of in				
Remarks: SOILS Profile Descr	No indicato	rs of wetland hydro	ology were o	perial photos, probserved.	evious inspe	nfirm the abs	ence of in		I		
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato	be to the depth ne etion, RM=Reduced Ma	eeded to doo atrix, CS=Cove	perial photos, probserved.	evious inspe cator or cor Grains; Location	nfirm the abs on: PL=Pore Lini Mottles	ence of in	ix)	Texture		Remarks
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to doc atrix, CS=Cove	perial photos, probserved. cument the indiered/Coated Sand	evious inspe cator or cor Grains; Location	nfirm the abs on: PL=Pore Lini Mottles	ence of in		Texture		Remarks
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato iption (Descriptration, D=Depl	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to doc atrix, CS=Cove	cument the indiered/Coated Sand	evious inspe cator or cor Grains; Location	nfirm the abs on: PL=Pore Lini Mottles	ence of in	ix)	FSL		Remarks
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to doc atrix, CS=Cove	cument the indiered/Coated Sand	evious inspe cator or cor Grains; Location	nfirm the abs on: PL=Pore Lini Mottles	ence of in	ix)			Remarks
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato iption (Descriptration, D=Depl	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to doc atrix, CS=Cove	cument the indiered/Coated Sand	evious inspe cator or cor Grains; Location	nfirm the abs on: PL=Pore Lini Mottles	ence of in	ix)	FSL		Remarks
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato iption (Descriptration, D=Depl	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to doc atrix, CS=Cove	cument the indiered/Coated Sand	evious inspe cator or cor Grains; Location	nfirm the abs on: PL=Pore Lini Mottles	ence of in	ix)	FSL		Remarks
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato iption (Descriptration, D=Depl	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to doc atrix, CS=Cove	cument the indiered/Coated Sand	evious inspe cator or cor Grains; Location	nfirm the abs on: PL=Pore Lini Mottles	ence of in	ix)	FSL		Remarks
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato iption (Descriptration, D=Depl	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to doc atrix, CS=Cove	cument the indiered/Coated Sand	evious inspe cator or cor Grains; Location	nfirm the abs on: PL=Pore Lini Mottles	ence of in	ix)	FSL		Remarks
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato iption (Descriptration, D=Depl	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to doc atrix, CS=Cove	cument the indiered/Coated Sand	evious inspe cator or cor Grains; Location	nfirm the abs	ence of in	ix)	FSL		Remarks
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato iption (Descr ntration, D=Depi Hue_10YR Hue_10YR	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 3/2	eeded to docatrix, CS=Cove	cument the indiered/Coated Sand Color (cator or cor Grains; Location	nfirm the absonic PL=Pore Lini Mottles %	ence of in	ix)	FSL		Remarks
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato iption (Descriptration, D=Depl	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 3/2	eeded to docatrix, CS=Cove	cument the indiered/Coated Sand	cator or cor Grains; Location	nfirm the absonic PL=Pore Lini Mottles %	ence of in	ix)	FSL FS	or Problematic	
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato iption (Description, D=Depl Hue_10YR Hue_10YR	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 3/2	eeded to doc atrix, CS=Cove	cument the indicators are indicators.	cator or cor Grains; Location Moist)	nfirm the absonic PL=Pore Lini Mottles %	ence of in	Location	FSL FS	or Problematic	
Remarks: SOILS Profile Descr (Type: C=Conce) Depth (In.) 0-10 10-18 NRCS Hydi	No indicato iption (Description, D=Depl Hue_10YR Hue_10YR A1- Histosol	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 3/2 Indicators (ch	eeded to doceatrix, CS=Cove	cument the indiered/Coated Sand Color (000) indicators are i	cator or cor Grains; Location Moist)	nfirm the absonic PL=Pore Lini Mottles %	ence of in	Location	FSL FS Indicators f A9 - 1 cm M	uck (LRR I, J)	: Soils¹
Remarks: SOILS Profile Descr (Type: C=Conce Depth (In.) 0-10 10-18 NRCS Hydr	No indicato iption (Descr ntration, D=Depl Hue_10YR Hue_10YR dic Soil Field A1- Histosol A2 - Histic Ep	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 3/2 Indicators (ch	eeded to doc atrix, CS=Cove	eerial photos, probserved. cument the indiered/Coated Sand Color (000) indicators are i	cator or cor Grains; Location Moist) Moist) not present) edox Matrix	nfirm the abson: PL=Pore Lini Mottles %	ence of in	Location	FSL FS Indicators f A9 - 1 cm M A16 - Coast	uck (LRR I, J) Prairie Redox (: Soils¹
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato iption (Description (Description) Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 3/2 Indicators (ch	eeded to docatrix, CS=Cove	eerial photos, probserved. cument the indiered/Coated Sand 6 Color (00 00 indicators are i	cator or cor Grains; Location Moist) not present) edox Matrix fucky Mineral	nfirm the absonce PL=Pore Lini Mottles %	ence of in	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Sc	uck (LRR I, J) Prairie Redox (urface (LRR G)	: <u>Soils¹</u> LRR F, G, H)
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato iption (Descritration, D=Depl Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Histic Ep A4 - Hydroge	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 3/2 Indicators (ch	eeded to doc atrix, CS=Cove	aerial photos, probserved. cument the indiered/Coated Sand 6 Color (00 indicators are i S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N	cator or cor Grains; Location Moist) Moist) edox Matrix Mucky Mineral Gleyed Matrix	nfirm the absonce PL=Pore Lini Mottles %	ence of in	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High F	uck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depressio	: Soils¹
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato iption (Descritation, D=Depl Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 3/2 Indicators (ch	eeded to doceatrix, CS=Cove	cument the indiered/Coated Sand Color (Color	cator or cor Grains; Location Moist) Moist) not present) edox Matrix flucky Mineral sleyed Matrix Matrix Matrix	nfirm the absonce PL=Pore Lini Mottles %	ence of in	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark S0 F16 - High F F18 - Reduc	uck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depressioned Vertic	: <u>Soils¹</u> LRR F, G, H)
Remarks: SOILS Profile Descr (Type: C=Conce Depth (In.) 0-10 10-18 NRCS Hydr	No indicato iption (Descritation, D=Depl Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A9 - 1 cm Mu	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 3/2 Indicators (ch ipedon tic n Sulfide Layers (LRR F) ck (LRR FGH)	eeded to doc atrix, CS=Cove	eerial photos, probserved. cument the indiered/Coated Sand 6 Color (00 00 indicators are i S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy C F3 - Depleted F6 - Redox D	cator or cor Grains; Location Moist) Moist) Hot present) edox Matrix Hucky Mineral Sleyed Matrix I Matrix I Matrix I Matrix ark Surface	nfirm the abson: PL=Pore Lini Mottles %	ence of in	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark SI F16 - High F F18 - Reduc	uck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ued Vertic varent Material	C Soils 1 LRR F, G, H) DNS (LRR H, outside MLRA 72, 73)
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato iption (Description (Description) Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratifice A9 - 1 cm Mu A11 - Deplete	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 3/2 Indicators (ch	eeded to docatrix, CS=Cove	cument the indicators are in S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy C F3 - Depleted F7 - Depleted	cator or cor Grains; Location Moist) Moist) edox Matrix ducky Mineral Sleyed Matrix I Matrix ark Surface Dark Surface	nfirm the abson: PL=Pore Lini Mottles %	ence of in	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High F F18 - Red pc TF2 - Red P TF12 - Very	uck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ed Vertic Parent Material Shallow Dark S	C Soils 1 LRR F, G, H) DNS (LRR H, outside MLRA 72, 73)
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato iption (Description, D=Depi 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	be to the depth ne etion, RM=Reduced Me Matrix Color (Moist) 2/1 3/2 Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) ck (LRR FGH) d Below Dark Surface ark Surface	eeded to documents, CS=Cove	aerial photos, probserved. cument the indiered/Coated Sand 6 Color (00 indicators are i S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	cator or cor Grains; Location Moist) Moist) edox Matrix Hucky Mineral Gleyed Matrix I Matrix I Matrix I Dark Surface epressions	nfirm the abs	ence of in ing, M=Matr Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High F F18 - Red pc TF2 - Red P TF12 - Very	uck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ued Vertic varent Material	C Soils 1 LRR F, G, H) DNS (LRR H, outside MLRA 72, 73)
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato iption (Descritation, D=Depl 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 S1 - Sandy M	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 3/2 Indicators (chairpedon stic on Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface aucky Mineral	eeded to doceatrix, CS=Cove	cument the indicators are in S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy C F3 - Depleted F7 - Depleted	cator or cor Grains; Location Moist) Moist) edox Matrix Hucky Mineral Gleyed Matrix I Matrix I Matrix I Dark Surface epressions	nfirm the abs	ence of in ing, M=Matr Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High F F18 - Red pc TF2 - Red P TF12 - Very	uck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ed Vertic Parent Material Shallow Dark S	C Soils 1 LRR F, G, H) DNS (LRR H, outside MLRA 72, 73)
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato Iption (Description (Descriptio	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 3/2 Indicators (chipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ark Surface lucky Mineral lucky Peat or Peat (LI	eeded to docatrix, CS=Cove 9 10 10 10 neck here if	aerial photos, probserved. cument the indiered/Coated Sand 6 Color (00 indicators are i S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	cator or cor Grains; Location Moist) Moist) edox Matrix Hucky Mineral Gleyed Matrix I Matrix I Matrix I Dark Surface epressions	nfirm the abs	ence of in ing, M=Matr Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High F F18 - Reduc TF2 - Red P TF12 - Very Other (Expla	uck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression and Vertic arent Material Shallow Dark S ain in Remarks)	E Soils¹ LRR F, G, H) DNS (LRR H, outside MLRA 72, 73) Gurface
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato iption (Descr ntration, D=Depi Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm N S3 - 5 cm Mu	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 3/2 Indicators (chairpedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ucky Mineral lucky Peat or Peat (LRK) Peat	eeded to docatrix, CS=Cove 9 10 10 10 neck here if	aerial photos, probserved. cument the indiered/Coated Sand 6 Color (00 indicators are i S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	cator or cor Grains; Location Moist) Moist) edox Matrix Hucky Mineral Gleyed Matrix I Matrix I Matrix I Dark Surface epressions	nfirm the abs	ence of in ing, M=Matr Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High F F18 - Reduc TF2 - Red P TF12 - Very Other (Expla	uck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ded Vertic arent Material Shallow Dark S ain in Remarks)	C Soils 1 LRR F, G, H) DNS (LRR H, outside MLRA 72, 73)
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato Iption (Description (Descriptio	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 3/2 Indicators (chairpedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ucky Mineral lucky Peat or Peat (LRK) Peat	eeded to docatrix, CS=Cove 9 10 10 10 neck here if	aerial photos, probserved. cument the indiered/Coated Sand 6 Color (00 indicators are i S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	cator or cor Grains; Location Moist) Moist) edox Matrix Hucky Mineral Gleyed Matrix I Matrix I Matrix I Dark Surface epressions	nfirm the abs	ence of in ing, M=Matr Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High F F18 - Reduc TF2 - Red P TF12 - Very Other (Expla	uck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression and Vertic arent Material Shallow Dark S ain in Remarks)	E Soils¹ LRR F, G, H) DNS (LRR H, outside MLRA 72, 73) Gurface
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato iption (Descr ntration, D=Depi Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm N S3 - 5 cm Mu	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 3/2 Indicators (chairpedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ucky Mineral lucky Peat or Peat (LRK) Peat	eeded to docatrix, CS=Cove 9 10 10 10 neck here if	aerial photos, probserved. cument the indiered/Coated Sand 6 Color (00 indicators are i S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	cator or cor Grains; Location Moist) Moist) edox Matrix Hucky Mineral Gleyed Matrix I Matrix I Matrix I Dark Surface epressions	nfirm the abs	ence of in ing, M=Matr Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High F F18 - Reduc TF2 - Red P TF12 - Very Other (Expla	uck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ded Vertic arent Material Shallow Dark S ain in Remarks)	E Soils¹ LRR F, G, H) DNS (LRR H, outside MLRA 72, 73) Gurface
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato Iption (Description (Descriptio	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 3/2 Indicators (chairpedon strice in Sulfide Layers (LRR F) od (LRR FGH) delow Dark Surface ark Surface ucky Mineral lucky Peat or Peat (LRF leyed Matrix	eeded to docatrix, CS=Cove 9 10 10 10 neck here if	erial photos, probserved. cument the indiered/Coated Sand 6 Color (00 00 indicators are i S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D F16 - High Pl	cator or cor Grains; Location Moist) Moist) edox Matrix ducky Mineral sleyed Matrix I Matrix ark Surface Dark Surface pressions ains Depress	nfirm the abson: PL=Pore Lini Mottles %	ence of in ing, M=Matr Type	Location	Indicators of Municators of hundess disturbed	uck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ded Vertic arent Material Shallow Dark S ain in Remarks)	E Soils¹ LRR F, G, H) DNS (LRR H, outside MLRA 72, 73) Gurface
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato Iption (Description (Description) Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratifice A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mu S4 - Sandy G	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 3/2 Indicators (chairpedon strice in Sulfide Layers (LRR F) od (LRR FGH) delow Dark Surface ark Surface ucky Mineral lucky Peat or Peat (LRF leyed Matrix	eeded to docatrix, CS=Cove 9 10 10 10 neck here if	aerial photos, probserved. cument the indiered/Coated Sand 6 Color (00 indicators are i S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	cator or cor Grains; Location Moist) Moist) edox Matrix ducky Mineral sleyed Matrix I Matrix ark Surface Dark Surface pressions ains Depress	nfirm the abson: PL=Pore Lini Mottles %	ence of in ing, M=Matr Type	Location	Indicators of Municators of hundess disturbed	uck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ded Vertic arent Material Shallow Dark S ain in Remarks)	E Soils¹ LRR F, G, H) DNS (LRR H, outside MLRA 72, 73) Gurface
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato Iption (Description (Descriptio	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 3/2 Indicators (chaipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ark Surface lucky Peat or Peat (LRF leyed Matrix	eeded to docatrix, CS=Cove 9 10 10 10 neck here if	aerial photos, probserved. cument the indiered/Coated Sand 6 Color (00 00 indicators are i S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D F16 - High Pl	cator or cor Grains; Location Moist) Moist) edox Matrix ducky Mineral sleyed Matrix I Matrix ark Surface Dark Surface pressions ains Depress	nfirm the abson: PL=Pore Lini Mottles %	ence of in ing, M=Matr Type	Location	Indicators of Municators of hundess disturbed	uck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ded Vertic arent Material Shallow Dark S ain in Remarks)	E Soils¹ LRR F, G, H) DNS (LRR H, outside MLRA 72, 73) Gurface
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato Iption (Description (Descriptio	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 3/2 Indicators (chairpedon strice in Sulfide Layers (LRR F) od (LRR FGH) delow Dark Surface ark Surface ucky Mineral lucky Peat or Peat (LRF leyed Matrix	eeded to docatrix, CS=Cove 9 10 10 10 neck here if	aerial photos, probserved. cument the indiered/Coated Sand 6 Color (00 00 indicators are i S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D F16 - High Pl	cator or cor Grains; Location Moist) Moist) edox Matrix ducky Mineral sleyed Matrix I Matrix ark Surface Dark Surface pressions ains Depress	nfirm the abson: PL=Pore Lini Mottles %	ence of in ing, M=Matr Type	Location	Indicators of Municators of hundess disturbed	uck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ded Vertic arent Material Shallow Dark S ain in Remarks)	E Soils¹ LRR F, G, H) DNS (LRR H, outside MLRA 72, 73) Gurface

WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-150n40w16-b1				
VEGETATION	N (Species identified in all uppercase are	e non-native	species.)						
	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: 0 (A)				
3.					Transcr of Bornman Openics that are OBE, 171017, 011710.				
4.					Total Number of Dominant Species Across All Strata: 2 (B)				
5.									
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)				
7.									
8.					Prevalence Index Worksheet				
9.					Total % Cover of: Multiply by:				
10.					OBL spp. 0 x 1 = 0				
10.	_l Total Cayor =	0							
	Total Cover =	U	_						
					FAC spp. 5 x 3 = 15				
	Stratum (Plot size: 15 ft. radius)				FACU spp. 60 x 4 = 240				
1.					UPL spp. 35				
2.									
3.					Total 100 (A) 430 (B)				
4.					1``				
5.					Prevalence Index = B/A = 4.300				
6.					- 4.300				
	_								
7.					 				
8.					Hydrophytic Vegetation Indicators:				
9.					Rapid Test for Hydrophytic Vegetation				
10.					Dominance Test is > 50%				
	Total Cover =	0			Prevalence Index is ≤ 3.0 *				
			_		Morphological Adaptations (Explain) *				
Llash Ctasture (District. Eft. andice\								
	Plot size: 5 ft. radius)	40		EACH	Problem Hydrophytic Vegetation (Explain) *				
1.	Andropogon gerardii	40	Y	FACU	* Indicators of building only and watered buildings on the				
2.	Bromus inermis	35	Υ	UPL	* Indicators of hydric soil and wetland hydrology must be				
3.	Poa pratensis	10	N	FACU	present, unless disturbed or problematic.				
4.	Solidago altissima	10	N	FACU	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.				_	†				
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.				
					Sapinig/Siliub - Woody planto loss than o'ni. BBN, regardless o'neight.				
10.					_				
11.				_					
12.					Herb - All herbaceous (non-woody) plants, regardless of size.				
13.									
14.					1				
15.				_	Woody Vines - All woody vines, regardless of height.				
	Total Cover =	100			1				
	Total Cover –	100	_						
M/	orter (District 200 ft and 100)								
	ratum (Plot size: 30 ft. radius)								
1.									
2.	<u> </u>								
3.					Hydrophytic Vegetation Present? N				
5.									
4.					1				
<u>'</u>	Total Cover =	0		_					
Remarks:	The upland sample point is dominated by big		and amor	th bromo					
Remarks.	The upland sample point is dominated by big	Diuestern	and Smoc	un bronne.					
Additional R	Remarks:								