WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R									Date:	10/08/14
Applicant:		Enbridge									County:	Pennington
Investigators	S :	NTT/BEH				Subregion	n (MLRA	or LRR):	MLRA 56		State:	MN
Soil Unit:	I38A					_	NWI	Classification:				
Landform:	Dip				Lo	cal Relief:	CC				Sample Point:	w-152n43w14-c1
Slope (%):	3 - 7%		Latitude: 4	47.979		Longitude:		331	Datum:		1 '	
		nditions on the site								□ No	Section:	
Are Vegetation		□, or Hydrology			disturbed?	(II 110, 0X)	1	normal circum			1	
•			•	•			Ale		•	55 6 111 :	Township:	Dim
Are Vegetation		□, or Hydrology	Haturany	y proc	olematic?			Yes	□ No		Range:	Dir:
SUMMARY C												
Hydrophytic '	•		<u>Y</u>	Yes					Hydric Soil	s Present?	Yes	
Wetland Hyd	drology Prese	nt?	Y	Yes					Is This Sar	mpling Poin	it Within A We	etland? Yes
Remarks:	The wetland	d is a fresh wet me	adow loca	ated v	within a roac	lside ditch	and don	ninated by prain	rie cord gras	SS.		
									<u> </u>			
HYDROLOG	V											
Wetland Hy	drology Ind	icators (Check all	that apply	ly; Min	nimum of on	e primary	or two se	econdary requir	red):			
<u>Primary</u> :	<u>-</u>									Secondary:	,	
	A1 - Surface	Nater				B11 - Salt (Crust				B6 - Surface S	oil Cracks
	A2 - High Wa	ter Table				B13 - Aqua	atic Fauna				B8 - Sparsely \	egetated Concave Surface
	A3 - Saturation	n				C1 - Hydro					B10 - Drainage	Patterns
	B1 - Water M	arks				C2 - Dry Se					C3 - Oxidized F	Rhizospheres on Living Roots (tilled)
	B2 - Sedimen	•						spheres on Living	Roots (not till	€ □	C8 - Crayfish E	
	B3 - Drift Dep					C4 - Prese	nce of Red	duced Iron			C9 - Saturation	Nisible on Aerial Imagery
	B4 - Algal Ma	t or Crust				C7 - Thin N	∕luck Surfa	ace		✓	D2 - Geomorph	
	B5 - Iron Dep					Other (Exp	lain)			✓	D5 - FAC-Neut	ral Test
		n Visible on Aerial Im	nagery								D7 - Frost-Hea	ved Hummocks (LRR F)
	B9 - Water-S	ained Leaves										
Field Observ	vations:											
		V	_	3 - 4		(in)						
Surface Wat		Yes		Depth:		(in.)			Wetland H	lydrology l	Present?	Υ
Water Table	Present?	Yes □		Depth:		(in.)				,		<u> </u>
Saturation P	resent?	Yes □		Depth:		_ (in.)						
Describe Rec	orded Data (s	etream gauge moni	itoring well	Lapria	al nhotos pre	vious insp	actions)	if available:				
	· ·	stream gauge, moni					· ·				ad baadaaa badk	
Describe Rec	· ·						· ·		n landscape	position ar	nd hydrophytic	c vegetation present.
Remarks:	· ·						· ·		n landscape	position ar	nd hydrophytic	c vegetation present.
Remarks:	No primary	wetland hydrology	indicators	s pres	sent. Wetlar	nd hydrolog	gy is ass	umed based or	·	position ar	nd hydrophytid	c vegetation present.
Remarks: SOILS Profile Descri	No primary	wetland hydrology be to the depth ne	indicators	s pres	sent. Wetlar	nd hydrolog	gy is ass	umed based or e absence of in	dicators.)	position ar	nd hydrophytic	c vegetation present.
Remarks: SOILS Profile Descri	No primary	wetland hydrology	indicators	s pres	sent. Wetlar	nd hydrolog	gy is ass	umed based or e absence of in	dicators.)	position ar	nd hydrophytic	c vegetation present.
Remarks: SOILS Profile Descri	No primary	wetland hydrology be to the depth ne	indicators	s pres	sent. Wetlar	nd hydrolog	gy is ass onfirm the	umed based or e absence of in ore Lining, M=Matri	dicators.)	position ar	nd hydrophytic	vegetation present.
Remarks: SOILS Profile Descri	No primary	wetland hydrology be to the depth ne	indicators	s pres	sent. Wetlar	nd hydrolog	gy is ass	umed based or e absence of in ore Lining, M=Matri	dicators.)	position ar	nd hydrophytic	c vegetation present.
Remarks: SOILS Profile Descri (Type: C=Concer	No primary	wetland hydrology be to the depth ne etion, RM=Reduced Ma	indicators	docum	sent. Wetlar	cator or co	gy is assonfirm the tion: PL=Po	umed based or e absence of in ore Lining, M=Matri	dicators.)		nd hydrophytic	
Remarks: SOILS Profile Descri	No primary	wetland hydrology be to the depth ne	indicators	s pres	sent. Wetlar	cator or co	gy is ass onfirm the	umed based or e absence of in ore Lining, M=Matri	dicators.)	position ar	nd hydrophytic	Remarks
Remarks: SOILS Profile Descri (Type: C=Concer	No primary	wetland hydrology be to the depth ne etion, RM=Reduced Ma	indicators	docum	sent. Wetlar	cator or co	gy is assonfirm the tion: PL=Po	umed based or e absence of in ore Lining, M=Matri	dicators.)		nd hydrophytic	
Remarks: SOILS Profile Descri (Type: C=Concer	No primary	wetland hydrology be to the depth ne etion, RM=Reduced Ma	indicators	docum	sent. Wetlar	cator or co	gy is assonfirm the tion: PL=Po	umed based or e absence of in ore Lining, M=Matri	dicators.)		nd hydrophytic	
Remarks: SOILS Profile Descri (Type: C=Concer	No primary	wetland hydrology be to the depth ne etion, RM=Reduced Ma	indicators	docum	sent. Wetlar	cator or co	gy is assonfirm the tion: PL=Po	umed based or e absence of in ore Lining, M=Matri	dicators.)		nd hydrophytic	
Remarks: SOILS Profile Descri (Type: C=Concer	No primary	wetland hydrology be to the depth ne etion, RM=Reduced Ma	indicators	docum	sent. Wetlar	cator or co	gy is assonfirm the tion: PL=Po	umed based or e absence of in ore Lining, M=Matri	dicators.)		nd hydrophytic	
Remarks: SOILS Profile Descri (Type: C=Concer	No primary	wetland hydrology be to the depth ne etion, RM=Reduced Ma	indicators	docum	sent. Wetlar	cator or co	gy is assonfirm the tion: PL=Po	umed based or e absence of in ore Lining, M=Matri	dicators.)		nd hydrophytic	
Remarks: SOILS Profile Descri (Type: C=Concer	No primary	wetland hydrology be to the depth ne etion, RM=Reduced Ma	indicators	docum	sent. Wetlar	cator or co	gy is assonfirm the tion: PL=Po	umed based or e absence of in ore Lining, M=Matri	dicators.)		nd hydrophytic	
Remarks: SOILS Profile Descri (Type: C=Concer	No primary	wetland hydrology be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eded to d	docum overed/	nent the indicated Sand Coolor (I	cator or co	gy is ass onfirm the tion: PL=Po	e absence of incre Lining, M=Matri	dicators.)		nd hydrophytic	
Remarks: SOILS Profile Descri (Type: C=Concer	No primary	wetland hydrology be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eded to d	docum overed/	sent. Wetlar	cator or co	gy is ass onfirm the tion: PL=Po	umed based or e absence of in ore Lining, M=Matri	dicators.)		nd hydrophytic	
Remarks: SOILS Profile Descri (Type: C=Concer	No primary	wetland hydrology be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eded to d	docum overed/	nent the indicated Sand Coolor (I	cator or co	gy is ass onfirm the tion: PL=Po	e absence of incre Lining, M=Matri	dicators.)	Texture		Remarks
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	No primary iption (Description, D=Depl	wetland hydrology be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eded to d	docum overed/ %	nent the indicated Sand Coolor (I	cator or co Grains; Local Moist)	gy is ass onfirm the tion: PL=Po	e absence of incre Lining, M=Matri	dicators.) ix) Location	Texture Indicators f	or Problematic	Remarks
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	No primary iption (Description, D=Depl ric Soil Field A1- Histosol	wetland hydrology be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) Indicators (ch	eded to d	documovered/	cont. Wetlar nent the indicated Sand Control Color (Incompression of the control Color (Incompression of the control Solution of the control	cator or co Grains; Local Moist)	gy is ass onfirm the tion: PL=Po	e absence of incre Lining, M=Matri	Location	Texture Indicators f A9 - 1 cm M	or Problematic	Remarks
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	iption (Description, Depoint Intration, Depoint Int	wetland hydrology be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) Indicators (ch	eded to d	documovered/	cont. Wetlar nent the indice /Coated Sand Coated Sand	cator or co Grains; Local Moist) not presented	gy is ass onfirm the tion: PL=Po	e absence of incre Lining, M=Matri	dicators.)	Indicators f A9 - 1 cm M A16 - Coast	or Problematic luck (LRR I, J) Prairie Redox (Remarks
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	No primary iption (Description, D=Depl ric Soil Field A1- Histosol A2 - Histic Ep A3 - Black His	wetland hydrology be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) Indicators (ch	eded to d	documovered/	coated Sand Coated Sand Coated Sand Coated Sand Color (I	cator or co Grains; Local Moist) not present	mottle Mottle w tion: PL=Po	e absence of incre Lining, M=Matri	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark S	or Problematic luck (LRR I, J) Prairie Redox (urface (LRR G)	Remarks Soils LRR F, G, H)
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	iption (Description, Depoint Intration, Depoint Int	wetland hydrology be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) Indicators (ch	eded to d	documovered/	coated Sand Coated Sand Coated Sand Color (I	cator or co Grains; Local Moist) Not presented a Matrix Mucky Mineral Sleyed Matrix	mottle Mottle w tion: PL=Po	e absence of incre Lining, M=Matri	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark S6 F16 - High F	or Problematic luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depressio	Remarks
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	iption (Description, Depoint Intration, Depoint Int	wetland hydrology be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) Indicators (ch ipedon stic n Sulfide Layers (LRR F)	eded to d	documovered/	coated Sand Coated Sand Coated Sand Color (I	cator or co Grains; Local Moist) not present edox Matrix lucky Minera leyed Matrix Matrix	mottle when the stion: PL=Potential when the stions are still all the st	e absence of incre Lining, M=Matri	dicators.) ix) Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High F F18 - Reduce	or Problematic luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depressionsed Vertic	Remarks Soils LRR F, G, H)
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	iption (Description, D=Deplementation, D=Depleme	wetland hydrology be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH)	eeded to datrix, CS=Co	documovered/	Color (I Coated Sand Coated S	cator or co Grains; Local Moist) Moist) oot present edox Matrix Mucky Minera Bleyed Matrix I Matrix ark Surface	mottle Mottle w t):	e absence of incre Lining, M=Matri	dicators.) ix) Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark So F16 - High F F18 - Reduct TF2 - Red P	For Problematical Suck (LRR I, J) Prairie Redox (LRR G) Plains Depression Sed Vertical Parent Material	Remarks Soils¹ LRR F, G, H) Ons (LRR H, outside MLRA 72, 73)
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	iption (Description, D=Deplementation, D=Depleme	wetland hydrology be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface	eeded to datrix, CS=Co	documovered/ % if indi	Color (I Source Color (I Coated Sand Color (I Coated Sand Color (I Color (I Source Sour	cator or co Grains; Local Moist) Not present edox Matrix lucky Minera eleyed Matrix Matrix Matrix ark Surface	mottle Mottle w t):	e absence of incre Lining, M=Matri	dicators.) ix) Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark S6 F16 - High F F18 - Reduc TF2 - Red P TF12 - Very	or Problematic luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression red Vertic Parent Material Shallow Dark S	Remarks Soils¹ LRR F, G, H) Ons (LRR H, outside MLRA 72, 73)
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	iption (Description, D=Deplementation, D=Depleme	wetland hydrology be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface	eeded to datrix, CS=Co	if indi	Color (I Coated Sand C Color (I S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	cator or co Grains; Local Moist) Moist) edox Matrix Mucky Minera Bleyed Matrix I Matrix ark Surface Dark Surface	mottle when the stion: PL=Potential when the stions are still all the stidents are still all the stidents are still all the stil	e absence of incre Lining, M=Matri	dicators.) ix) Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark S6 F16 - High F F18 - Reduc TF2 - Red P TF12 - Very	For Problematical Suck (LRR I, J) Prairie Redox (LRR G) Plains Depression Sed Vertical Parent Material	Remarks Soils¹ LRR F, G, H) Ons (LRR H, outside MLRA 72, 73)
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	iption (Description, D=Deplementation, D=Depleme	wetland hydrology be to the depth neetion, RM=Reduced Ma Matrix Color (Moist) Indicators (chapedonestic and Sulfide Layers (LRR F) ck (LRR FGH) de Below Dark Surface ark Surface ucky Mineral	eeded to datrix, CS=Co	if indi	Color (I Coated Sand C Color (I S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	cator or co Grains; Local Moist) Moist) edox Matrix Mucky Minera Bleyed Matrix I Matrix ark Surface Dark Surface	mottle when the stion: PL=Potential when the stions are still all the stidents are still all the stidents are still all the stil	e absence of incre Lining, M=Matri	dicators.) ix) Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark S6 F16 - High F F18 - Reduc TF2 - Red P TF12 - Very	or Problematic luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression red Vertic Parent Material Shallow Dark S	Remarks Soils¹ LRR F, G, H) Ons (LRR H, outside MLRA 72, 73)
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	iption (Description, D=Deplementation, D=Depleme	wetland hydrology be to the depth neetion, RM=Reduced Ma Matrix Color (Moist) Indicators (chaine) ipedon stic in Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral lucky Peat or Peat (LI	eeded to datrix, CS=Co	if indi	Color (I Coated Sand C Color (I S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	cator or co Grains; Local Moist) Moist) edox Matrix Mucky Minera Bleyed Matrix I Matrix ark Surface Dark Surface	mottle when the stion: PL=Potential when the stions are still all the stidents are still all the stidents are still all the stil	e absence of incre Lining, M=Matri	dicators.) ix) Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High F F18 - Reduct TF2 - Red P TF12 - Very Other (Expla	or Problematic luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression red Vertic Parent Material Shallow Dark Stain in Remarks)	Remarks Soils¹ LRR F, G, H) Ons (LRR H, outside MLRA 72, 73) Surface
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	No primary iption (Description, D=Depleter A1- Histosol A2 - Histic Epter A3 - Black History A4 - Hydroge A5 - Stratified A9 - 1 cm Muter A11 - Depleter A12 - Thick Description S1 - Sandy Messer S2 - 2.5 cm Messer S3 - 5 cm Muter A12 - Thick Description S1 - Sandy Messer S2 - 2.5 cm Messer S3 - 5 cm Muter A12 - Thick Description S1 - Sandy Messer S2 - 2.5 cm Messer S1 - Sandy Messer S2 - 2.5 cm Messer S1 - Sandy Messer S1	wetland hydrology be to the depth neetion, RM=Reduced Ma Matrix Color (Moist) Indicators (chapedonestic and Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ark Surface ucky Mineral flucky Peat or Peat (LRF) cky Peat or Peat (LRF)	eeded to datrix, CS=Co	if indi	Color (I Coated Sand C Color (I S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	cator or co Grains; Local Moist) Moist) edox Matrix Mucky Minera Bleyed Matrix I Matrix ark Surface Dark Surface	mottle when the stion: PL=Potential when the stion	e absence of incre Lining, M=Matri	dicators.) ix) Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduct TF2 - Red P TF12 - Very Other (Expla	for Problematic luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ed Vertic Parent Material Shallow Dark Stain in Remarks)	Remarks Soils¹ LRR F, G, H) Ons (LRR H, outside MLRA 72, 73)
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	iption (Description, D=Deplementation, D=Depleme	wetland hydrology be to the depth neetion, RM=Reduced Ma Matrix Color (Moist) Indicators (chapedonestic and Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ark Surface ucky Mineral flucky Peat or Peat (LRF) cky Peat or Peat (LRF)	eeded to datrix, CS=Co	if indi	Color (I Coated Sand C Color (I S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	cator or co Grains; Local Moist) Moist) edox Matrix Mucky Minera Bleyed Matrix I Matrix ark Surface Dark Surface	mottle when the stion: PL=Potential when the stion	e absence of incre Lining, M=Matri	dicators.) ix) Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduct TF2 - Red P TF12 - Very Other (Expla	or Problematic luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression red Vertic Parent Material Shallow Dark Stain in Remarks)	Remarks Soils¹ LRR F, G, H) Ons (LRR H, outside MLRA 72, 73) Surface
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	No primary iption (Description, D=Depleter A1- Histosol A2 - Histic Epter A3 - Black History A4 - Hydroge A5 - Stratified A9 - 1 cm Muter A11 - Depleter A12 - Thick Description S1 - Sandy Messer S2 - 2.5 cm Messer S3 - 5 cm Muter A12 - Thick Description S1 - Sandy Messer S2 - 2.5 cm Messer S3 - 5 cm Muter A12 - Thick Description S1 - Sandy Messer S2 - 2.5 cm Messer S1 - Sandy Messer S2 - 2.5 cm Messer S1 - Sandy Messer S1	wetland hydrology be to the depth neetion, RM=Reduced Ma Matrix Color (Moist) Indicators (chapedonestic and Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ark Surface ucky Mineral flucky Peat or Peat (LRF) cky Peat or Peat (LRF)	eeded to datrix, CS=Co	if indi	Color (I Coated Sand C Color (I S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	cator or co Grains; Local Moist) Moist) edox Matrix Mucky Minera Bleyed Matrix I Matrix ark Surface Dark Surface	mottle when the stion: PL=Potential when the stion	e absence of incre Lining, M=Matri	dicators.) ix) Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduct TF2 - Red P TF12 - Very Other (Expla	for Problematic luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ed Vertic Parent Material Shallow Dark Stain in Remarks)	Remarks Soils¹ LRR F, G, H) Ons (LRR H, outside MLRA 72, 73) Surface
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	No primary iption (Descriptration, D=Depl A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mu S4 - Sandy G	wetland hydrology be to the depth neetion, RM=Reduced Ma Matrix Color (Moist) Indicators (chapedonestic and Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ark Surface ucky Mineral flucky Peat or Peat (LRF) cky Peat or Peat (LRF)	eeded to datrix, CS=Co	if indi	Color (I Coated Sand C Color (I S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	cator or co Grains; Local Moist) Noist) oot present edox Matrix lucky Minera eleyed Matrix I Matrix ark Surface I Dark Surfa epressions ains Depres	mottle when the stion: PL=Potential when the stion	e absence of incre Lining, M=Matrices Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduct TF2 - Red P TF12 - Very Other (Explain	for Problematic luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ed Vertic Parent Material Shallow Dark Stain in Remarks)	Remarks Soils¹ LRR F, G, H) Ons (LRR H, outside MLRA 72, 73) Surface
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	iption (Description, Depoint Intration, Depoint Int	wetland hydrology be to the depth neetion, RM=Reduced Ma Matrix Color (Moist) Indicators (chaped on Stice on Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface on Surf	eded to datrix, CS=Co	documovered/ %	coated Sand Coated Sand Coated Sand Color (Incomplete Coated Sand	cator or co Grains; Local Moist) Noist) not present edox Matrix flucky Minera sleyed Matrix I Matrix ark Surface Dark Surface pressions ains Depres	mottle Mottle Mottle tion: PL=Pot Mottle % al x ace ssions (ML	e absence of incre Lining, M=Matrices Type RA 72, 73 of LRR	Location	Indicators of A9 - 1 cm MA16 - Coast S7 - Dark S0 F16 - High F18 - Reduct TF2 - Red PTF12 - Very Other (Explain Indicators of hunless disturbed Y	for Problematic luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression arent Material Shallow Dark Shallow Dark Shallow Dark Shain in Remarks) bydrophytic vegetatied or problematic.	Remarks Soils¹ LRR F, G, H) Ons (LRR H, outside MLRA 72, 73) Surface ion and wetland hydrology must be present
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	iption (Description, Depoint Intration, Depoint Int	wetland hydrology be to the depth neetion, RM=Reduced Ma Matrix Color (Moist) Indicators (chaped on Stice on Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface on Surf	eded to datrix, CS=Co	documovered/ %	coated Sand Coated Sand Coated Sand Color (Incomplete Coated Sand	cator or co Grains; Local Moist) Noist) not present edox Matrix flucky Minera sleyed Matrix I Matrix ark Surface Dark Surface pressions ains Depres	mottle Mottle Mottle tion: PL=Pot Mottle % al x ace ssions (ML	e absence of incre Lining, M=Matrices Type RA 72, 73 of LRR	Location	Indicators of A9 - 1 cm MA16 - Coast S7 - Dark S0 F16 - High F18 - Reduct TF2 - Red PTF12 - Very Other (Explain Indicators of hunless disturbed Y	for Problematic luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression arent Material Shallow Dark Shallow Dark Shallow Dark Shain in Remarks) bydrophytic vegetatied or problematic.	Remarks 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: w-152n43w14-c1
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: 1 (A)
3.					
4.					Total Number of Dominant Species Across All Strata: 1 (B)
5.					`````` /
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.					(742)
8.					Prevalence Index Worksheet
9.					
9. 10.					Total % Cover of: Multiply by:
10.	Total Cover				$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
	Total Cover =	0			FACVV spp. $\frac{100}{100}$ X $Z = \frac{200}{100}$
					$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	Stratum (Plot size: 15 ft. radius)				
1.					OBL spp. 0
2.					
3.					Total 100 (A) 200 (B)
4.					
5.					Prevalence Index = B/A = 2.000
6.					1
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.					X Dominance Test is > 50%
10.	 Total Cover =	0			X Prevalence Index is ≤ 3.0 *
	Total Gover =	0	_		
I I Of a f	(District of Education)				Morphological Adaptations (Explain) *
	(Plot size: 5 ft. radius)		\ <u>\</u>	E A C) A /	Problem Hydrophytic Vegetation (Explain) *
1.	Spartina pectinata	90	Y	FACW	-
2.	Phalaris arundinacea	10	N	FACW	
3.					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.]
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.
10.					1
11.					†
12.					Herb - All herbaceous (non-woody) plants, regardless of size.
13.					1
14.					-
15.					Woody Vines - All woody vines, regardless of height.
15.	T 1 1 0	400			Woody Vines - All woody Vines, regardless of fleight.
	Total Cover =	100	_		
Woody Vine S	tratum (Plot size: 30 ft. radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present?Y
5.					
4.					
	Total Cover =	0			
Remarks:	The wetland vegetation is dominated by prain		ass.		
	The fremand regulation is definited by prem	g			
A 1 11.1	5				
Additional I	Remarks:				