WETLAND DETERMINATION DATA FORM Great Plains Region

Draiget/Sites											Deter	00/26/14
Project/Site:		L3R									Date:	09/26/14
Applicant:	Enbridge										County:	Pennington
Investigators		RAJ/BJC	Subregion (MLRA or LRR): MLRA 56					State:	MN			
Soil Unit:	169A							I Classification:	PSS1B			
Landform:	Depression				Lo	cal Relief:	CC				Sample Point	w-153n44w3-g3
Slope (%):	0 - 2%		Latitude: 4	8.103	029	Longitude:	-96.289	612	Datum:			
	hydrologic cc	nditions on the sit	te typical fo	or this	time of yea				⊠ Yes	□ No	Section:	
Are Vegetati		□, or Hydrology						e normal circun			Township:	
Are Vegetati		□, or Hydrology	•				7.10	⊠ Yes		000111	•	Dir:
		, , ,	Jaturany	y probi	iematic :			₪ 162			Range:	DII.
SUMMARY (
Hydrophytic	-			′es		-				ls Present?		
Wetland Hyd	drology Prese	ent?	Y	′es					Is This Sa	mpling Poir	nt Within A W	etland? Yes
Remarks:	The sample	e point is in a Willo	ow-Carr co	mmur	hity domina	ted by mea	adow wil	low and sandb	ar willow wit	h an herba	ceous layer o	f graminoids. All parameters of
	wetland cor	ditions are met.										-
HYDROLOG												
Wetland Hy	/drology Ind	icators (Check al	ll that apply	y; Mini	imum of on	e primary	or two se	econdary requi	red):			
Primary	<u>/:</u>									Secondary:	<u>.</u>	
	A1 - Surface	Water				B11 - Salt (Crust				B6 - Surface S	Soil Cracks
	A2 - High Wa					B13 - Aqua						Vegetated Concave Surface
	A3 - Saturatio					C1 - Hydro					B10 - Drainag	
	B1 - Water M					C2 - Dry Se						Rhizospheres on Living Roots (tilled)
	B2 - Sedimen	•						spheres on Living	Roots (not till	€ □	C8 - Crayfish I	
	B3 - Drift Dep					C4 - Prese						n Visible on Aerial Imagery
☑ B4 - Algal Mat or Crust □ C7 - Thin Muck Surface								\checkmark	D2 - Geomorp			
	B5 - Iron Dep					Other (Exp	lain)			\checkmark	D5 - FAC-Neu	
		on Visible on Aerial In	nagery								D7 - Frost-Hea	aved Hummocks (LRR F)
	B9 - Water-S	tained Leaves										
Field Obser	vations:											
Surface Wat	ter Present?	Yes 🛛	П	Depth:		(in.)						
				Depth:		-			Wetland F	lydrology	Present?	Y
Water Table				· -		_ (in.)						<u> </u>
Saturation P	resent?	Yes 🗆	D	Depth:		(in.)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:												
Describe Rec	corded Data (s	stream gauge, mon	nitoring well,	l, aeria	l photos, pro	evious insp	ections),	if available:				
	````	<u> </u>	<u> </u>		•	•			mat of wetla	nd moss th	roughout the	area Indicators of wetland
Describe Rec Remarks:	The wetland	d community is hu	<u> </u>		•	•			mat of wetla	nd moss th	roughout the	area. Indicators of wetland
Remarks:	````	d community is hu	<u> </u>		•	•			mat of wetla	nd moss th	roughout the	area. Indicators of wetland
Remarks: SOILS	The wetland hydrology a	d community is hu re present.	immocky a	and the	ere is a drie	d algal cru	ust intern	ningled with a r		nd moss th	roughout the	area. Indicators of wetland
Remarks: SOILS Profile Descr	The wetland hydrology a iption (Descr	d community is hu re present. ibe to the depth no	immocky a	and the	ere is a drie	ed algal cru	ust intern	mingled with a r e absence of ir	idicators.)	nd moss th	roughout the	area. Indicators of wetland
Remarks: SOILS Profile Descr	The wetland hydrology a iption (Descr	d community is hu re present.	immocky a	and the	ere is a drie	ed algal cru	ust intern	mingled with a r e absence of ir	idicators.)	nd moss th	roughout the	area. Indicators of wetland
Remarks: SOILS Profile Descr	The wetland hydrology a iption (Descr	d community is hu re present. ibe to the depth ne etion, RM=Reduced M	immocky a	and the	ere is a drie	ed algal cru	onfirm the	ningled with a r e absence of in ore Lining, M=Matr	idicators.)	nd moss th	roughout the	area. Indicators of wetland
Remarks: SOILS Profile Descr (Type: C=Conce	The wetland hydrology a iption (Descr	d community is hu re present. ibe to the depth ne etion, RM=Reduced M Matrix	eeded to do	ocume	ent the indi	ed algal cru cator or cc Grains; Locat	onfirm the tion: PL=Pe Mottle	ningled with a r e absence of in ore Lining, M=Matr	ndicators.) ^{ix)}	nd moss th	roughout the	
Remarks: SOILS Profile Descr	The wetland hydrology a iption (Descr	d community is hu re present. ibe to the depth ne etion, RM=Reduced M	eeded to do	and the	ere is a drie	ed algal cru cator or cc Grains; Locat	onfirm the	ningled with a r e absence of in ore Lining, M=Matr	idicators.)	nd moss th	roughout the	area. Indicators of wetland
Remarks: SOILS Profile Descr (Type: C=Concer Depth (In.)	The wetland hydrology a iption (Descr ntration, D=Depl	d community is hu re present. ibe to the depth no etion, RM=Reduced M Matrix Color (Moist)	eeded to do	ocume	ent the indi	ed algal cru cator or cc Grains; Locat	onfirm the tion: PL=Pe Mottle	ningled with a r e absence of in ore Lining, M=Matr es	ndicators.) ^{ix)}		roughout the	
Remarks: SOILS Profile Descr (Type: C=Concer Depth (In.) 0-2	The wetland hydrology a iption (Descr ntration, D=Depl Hue_10YR	d community is hu re present. ibe to the depth no etion, RM=Reduced M Matrix Color (Moist) 2/1	eeded to do	ocume overed/0 % 100	ent the indi	ed algal cru cator or cc Grains; Locat	onfirm the tion: PL=Pe Mottle	ningled with a r e absence of in ore Lining, M=Matr es	ndicators.) ^{ix)}	Texture M		Remarks
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Remarks: SOILS Profile Descr (Type: C=Concer Depth (In.) 0-2 2-6 6-18	The wetland hydrology a iption (Descr ntration, D=Depl Hue_10YR Hue_10YR Hue_2.5Y	d community is hu re present. ibe to the depth ne etion, RM=Reduced M Matrix Color (Moist) 2/1 2/1 7/2	eeded to do	ocume overed/0 % 100 100 90	ent the indi Coated Sand ( Color ( Hue_10YR Gley1	ed algal cru cator or cc Grains; Locat Moist) 4/4 5/10Y	onfirm the tion: PL=Pe Mottle %	ningled with a r e absence of in ore Lining, M=Matr es Type C D	Location	Texture M MMI SCL	mineral compone	Remarks
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Remarks: SOILS Profile Descr (Type: C=Concer Depth (In.) 0-2 2-6 6-18 NRCS Hydr	The wetland hydrology a iption (Descr ntration, D=Depl Hue_10YR Hue_10YR Hue_2.5Y Hue_2.5Y	d community is hu re present. ibe to the depth no etion, RM=Reduced M Matrix Color (Moist) 2/1 2/1 2/1 7/2 Indicators (cl stic	eeded to do	ocume overed/C % 100 100 90 100 100 100 100 100 100 100	ent the indi coated Sand C Color (I Hue_10YR Gley1 cators are r S5 - Sandy R S6 - Stripped F1 - Loamy M	ed algal cru cator or co Grains; Locat Moist) 4/4 5/10Y ot present edox Matrix fucky Minera	nfirm the ion: PL=Pe Mottle % 5 5 5 t):	ningled with a r e absence of in ore Lining, M=Matr es Type C D	Location M M	Texture M MMI SCL SCL SCL A9 - 1 cm M A16 - Coast S7 - Dark S	mineral compone coarse sandy, wit for Problematio fuck (LRR I, J) t Prairie Redox o urface (LRR G)	Remarks Int is clay-loam Int pebbles
Remarks: SOILS Profile Descr (Type: C=Concer Depth (In.) 0-2 2-6 6-18 NRCS Hydr	The wetland hydrology a iption (Descr ntration, D=Depl Hue_10YR Hue_10YR Hue_2.5Y ric Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge	d community is hu re present. ibe to the depth no etion, RM=Reduced M Matrix Color (Moist) 2/1 2/1 2/1 7/2 Indicators (cl stic n Sulfide	eeded to do	ocume overed/( % 100 100 90 1 if indic	ent the indi Coated Sand C Color ( Hue_10YR Gley1 Cators are r S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy G	ed algal cru cator or co Grains; Locat Moist) 4/4 5/10Y ot present edox Matrix fucky Minera Sleyed Matrix	nfirm the ion: PL=Pe Mottle % 5 5 5 t):	ningled with a r e absence of in ore Lining, M=Matr es Type C D	Location M M M	Texture M MMI SCL SCL SCL SCL A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F	mineral compone coarse sandy, wit coarse sandy, wit for Problematic fuck (LRR I, J) t Prairie Redox urface (LRR G) Plains Depressio	Remarks Int is clay-loam In pebbles
Remarks: SOILS Profile Descr (Type: C=Concer Depth (In.) 0-2 2-6 6-18 NRCS Hydr	The wetland hydrology a iption (Descr ntration, D=Depl Hue_10YR Hue_10YR Hue_2.5Y Hue_2.5Y ric Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified	d community is hu re present. ibe to the depth ne etion, RM=Reduced M Matrix Color (Moist) 2/1 2/1 2/1 7/2 Indicators (cl stic n Sulfide Layers (LRR F)	eeded to do	ocume overed/0 % 100 100 90 100 90 100 90 100 90 100 100	ent the indi Coated Sand C Color (I Hue_10YR Gley1 Cators are r S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy G F3 - Depleted	ed algal cru cator or co Grains; Locat Moist) 4/4 5/10Y ot present edox Matrix Mucky Minera Gleyed Matrix	nfirm the bion: PL=Pe Mottle % 5 5 5 t):	ningled with a r e absence of in ore Lining, M=Matr es Type C D	Location M M M	Texture M MMI SCL SCL SCL A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc	mineral compone coarse sandy, wit for Problematic fuck (LRR I, J) t Prairie Redox o urface (LRR G) Plains Depressio ced Vertic	Remarks Int is clay-loam Int pebbles
Remarks: SOILS Profile Descr (Type: C=Concer Depth (In.) 0-2 2-6 6-18 NRCS Hydr □ □ □ □ □	The wetland hydrology a iption (Descr ntration, D=Depl Hue_10YR Hue_10YR Hue_2.5Y Hue_2.5Y ric Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A9 - 1 cm Mu	d community is hu re present. ibe to the depth no etion, RM=Reduced M Matrix Color (Moist) 2/1 2/1 2/1 7/2 Indicators (cl stic n Sulfide Layers (LRR F) ck (LRR FGH)	eeded to do Matrix, CS=Co	ocume overed/( % 100 100 90 100 90 100 100 90 100 100 10	ent the indi Coated Sand C Color (I Hue_10YR Gley1 Cators are r S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy C F3 - Depleted F3 - Redox D	ed algal cru cator or co Grains; Locat Moist) 4/4 5/10Y ot present edox Matrix Mucky Minera Gleyed Matrix Matrix ark Surface	nfirm the ion: PL=Pe Mottle % 5 5 5 t):	ningled with a r e absence of in ore Lining, M=Matr es Type C D	Adicators.)	Texture M MMI SCL SCL SCL M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F	mineral compone coarse sandy, wit coarse sandy, wit for Problematic fuck (LRR I, J) t Prairie Redox urface (LRR G) Plains Depressio ced Vertic Parent Material	Remarks         Int is clay-loam         h pebbles         c Soils ¹ (LRR F, G, H)         DNS (LRR H, outside MLRA 72, 73)
Remarks: SOILS Profile Descr (Type: C=Concer Depth (In.) 0-2 2-6 6-18 NRCS Hydr	The wetland hydrology a iption (Descr ntration, D=Depl Hue_10YR Hue_10YR Hue_2.5Y Hue_2.5Y A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratifiec A9 - 1 cm Mu A11 - Deplete	d community is hu re present. ibe to the depth no etion, RM=Reduced M Matrix Color (Moist) 2/1 2/1 2/1 7/2 Indicators (cl stic n Sulfide Layers (LRR F) ck (LRR FGH) ed Below Dark Surfac	eeded to do Matrix, CS=Co	if indic	ent the indi Coated Sand C Color ( Hue_10YR Gley1 Cators are r S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy G F3 - Depleted F6 - Redox D F7 - Depleted	ed algal cru cator or co Grains; Locat Moist) 4/4 5/10Y ot present edox Matrix fucky Minera Gleyed Matrix fucky Minera Sleyed Matrix ark Surface	nfirm the ion: PL=Pe Mottle % 5 5 5 t):	ningled with a r e absence of in ore Lining, M=Matr es Type C D	Adicators.)	Texture M MMI SCL SCL SCL SCL A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very	mineral compone coarse sandy, wit coarse sandy, wit for Problematic fuck (LRR I, J) Plains Depression coarse clLRR G) Plains Depression coarse clLRR G Plains Depression coarse clLRR G Plains Depression coarse clLRR G Plains Depression coarse clLRR G Plains Depression coarse clLRR G	Remarks         Int is clay-loam         h pebbles         c Soils ¹ (LRR F, G, H)         DNS (LRR H, outside MLRA 72, 73)         Surface
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Remarks: SOILS Profile Descr (Type: C=Concer Depth (In.) 0-2 2-6 6-18 NRCS Hydr	The wetland hydrology a iption (Descr ntration, D=Depl Hue_10YR Hue_10YR Hue_2.5Y Hue_2.5Y A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A5 - Stratified A12 - Thick D S1 - Sandy M	d community is hu re present. be to the depth no etion, RM=Reduced M Matrix Color (Moist) 2/1 2/1 2/1 7/2 Indicators (cl stic n Sulfide Layers (LRR F) ck (LRR FGH) ed Below Dark Surface ucky Mineral	eeded to de latrix, CS=Co	ocume overed/0 % 100 100 90 100 90 100 90 100 100 90 100 90 100 90 100 10	ent the indi Coated Sand C Color (I Hue_10YR Gley1 Cators are r S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy G F3 - Depleted F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	ed algal cru cator or co Grains; Locat Moist) 4/4 5/10Y ot present edox Matrix fucky Minera Sleyed Matrix Matrix ark Surface Dark Surfa epressions	nfirm the ion: PL=Pe Mottle % 5 5 5 t):	ningled with a r e absence of in ore Lining, M=Matr es Type C D	Adicators.)	Texture M MMI SCL SCL SCL SCL A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very	mineral compone coarse sandy, wit coarse sandy, wit for Problematic fuck (LRR I, J) Plains Depression coarse clLRR G) Plains Depression coarse clLRR G Plains Depression coarse clLRR G Plains Depression coarse clLRR G Plains Depression coarse clLRR G Plains Depression coarse clLRR G	Remarks         Int is clay-loam         h pebbles         c Soils ¹ (LRR F, G, H)         DNS (LRR H, outside MLRA 72, 73)         Surface
Remarks: SOILS Profile Descr (Type: C=Concer Depth (In.) 0-2 2-6 6-18 NRCS Hydr	The wetland hydrology a iption (Descr ntration, D=Depl Hue_10YR Hue_10YR Hue_2.5Y Hue_2.5Y 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 N	d community is hu re present. be to the depth no etion, RM=Reduced M Matrix Color (Moist) 2/1 2/1 2/1 7/2 Indicators (cl bipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) ed Below Dark Surface ucky Mineral Aucky Peat or Peat (l	eeded to de latrix, CS=Co	ocume overed/0 % 100 100 90 100 90 100 90 100 100 90 100 90 100 90 100 10	ent the indi Coated Sand C Color (I Hue_10YR Gley1 Cators are r S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy G F3 - Depleted F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	ed algal cru cator or co Grains; Locat Moist) 4/4 5/10Y ot present edox Matrix fucky Minera Sleyed Matrix Matrix ark Surface Dark Surfa epressions	nfirm the ion: PL=Pe Mottle % 5 5 5 t):	e absence of in ore Lining, M=Matr es Type C D	Adicators.)	Texture M MMI SCL SCL SCL SCL M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla	mineral compone coarse sandy, with coarse sandy, with for Problematic fuck (LRR I, J) the Prairie Redox of urface (LRR G) Plains Depression ced Vertic Parent Material of Shallow Dark S ain in Remarks)	Remarks Int is clay-loam Int is clay-loam Int pebbles Int is clay-loam Int
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Remarks: SOILS Profile Descr (Type: C=Concer Depth (In.) 0-2 2-6 6-18 NRCS Hydr NRCS Hydr U	The wetland hydrology a iption (Descr ntration, D=Depl Hue_10YR Hue_10YR Hue_2.5Y Hue_2.5Y Hue_2.5Y A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A5 - Stratified A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm Mu	d community is hu re present. be to the depth ne etion, RM=Reduced M Matrix Color (Moist) 2/1 2/1 2/1 7/2 Indicators (cl stic n Sulfide Layers (LRR F) ck (LRR FGH) ed Below Dark Surface ucky Mineral Mucky Peat or Peat (LR	eeded to de latrix, CS=Co	ocume overed/0 % 100 100 90 100 90 100 90 100 100 90 100 90 100 90 100 10	ent the indi Coated Sand C Color (I Hue_10YR Gley1 Cators are r S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy G F3 - Depleted F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	ed algal cru cator or co Grains; Locat Moist) 4/4 5/10Y ot present edox Matrix fucky Minera Sleyed Matrix Matrix ark Surface Dark Surfa epressions	nfirm the ion: PL=Pe Mottle % 5 5 5 t):	e absence of in ore Lining, M=Matr es Type C D	Adicators.)	Texture M MMI SCL SCL SCL MA16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla	mineral compone coarse sandy, wit coarse sandy, wit for Problematic fuck (LRR I, J) t Prairie Redox of urface (LRR G) Plains Depressio ced Vertic Parent Material of Shallow Dark S ain in Remarks)	Remarks Int is clay-loam Int is clay-loam Int pebbles Int is clay-loam Int
Remarks: SOILS Profile Descr (Type: C=Concer Depth (In.) 0-2 2-6 6-18 NRCS Hydr U U U U U U U U U U U U U	The wetland hydrology a iption (Descr ntration, D=Depl Hue_10YR Hue_10YR Hue_2.5Y Hue_2.5Y Hue_2.5Y A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mu S4 - Sandy G	d community is hure present.	eeded to de latrix, CS=Co	ocume overed/0 % 100 100 90 100 90 100 90 100 100 90 100 90 100 90 100 10	ent the indi Coated Sand C Color ( Hue_10YR Gley1 Cators are r S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy G F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D F16 - High Pl	ed algal cru cator or co Grains; Locat Moist) 4/4 5/10Y ot present edox Matrix Matrix Matrix ark Surface I Dark Surfa epressions ains Depres	nfirm the ion: PL=Pe Mottle % 5 5 5 t):	ningled with a r	Adicators.)	Texture M MMI SCL SCL SCL A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla	mineral compone coarse sandy, wit coarse sandy, wit for Problematic fuck (LRR I, J) t Prairie Redox of urface (LRR G) Plains Depressio ced Vertic Parent Material of Shallow Dark S ain in Remarks)	Remarks Int is clay-loam Int is clay-loam Int pebbles Int is clay-loam Int
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Remarks: SOILS Profile Descr (Type: C=Concer Depth (In.) 0-2 2-6 6-18 NRCS Hydr NRCS Hydr Restrictive Laye	The wetland hydrology a iption (Descr ntration, D=Depl Hue_10YR Hue_10YR Hue_2.5Y Hue_2.5Y Hue_2.5Y Hue_2.5Y A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mu S4 - Sandy G	d community is hure present.	eeded to de latrix, CS=Co	ocume overed/( % 100 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 90 100 10	ent the indi Coated Sand C Color ( Color ( Hue_10YR Gley1 Cators are r S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy Q F3 - Depleted F3 - Depleted F3 - Redox D F7 - Depleted F8 - Redox D F16 - High Pl Depth:	ed algal cru cator or co Grains; Locat Moist) 4/4 5/10Y ot present edox Matrix Mucky Minera Bleyed Matrix I Matrix ark Surface Dark Surface Dark Surface	onfirm the tion: PL=Pe Mottle % 5 5 5 t):	e absence of in ore Lining, M=Matr es Type C D	it Present?	Texture M MMI SCL SCL SCL SCL MA16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla ¹ Indicators of F unless disturbe	mineral compone coarse sandy, with coarse sandy, with for Problematic for Problematic for Problematic for Problematic for Problematic for Problematic for Problematic for Problematic.	Remarks Int is clay-loam Int is clay-loam Int pebbles Int is clay-loam Int

## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site	: L3R				Sample Point: w-153n44w3-g3			
VEGETATIO		e non-native	species.)					
Tree Stratum	(Plot size: 30 ft. radius)							
	<u>Species Name</u>	<u>% Cover</u>	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet			
1.								
2.					Number of Dominant Species that are OBL, FACW, or FAC: <u>5</u> (A)			
3.								
4.					Total Number of Dominant Species Across All Strata: 5 (B)			
5.								
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)			
7.								
8.					Prevalence Index Worksheet			
9.					Total % Cover of: Multiply by:			
10.					OBL spp. <u>81</u> X 1 = <u>81</u>			
	Total Cover =	0			FACW spp. 82 $X 2 = 164$			
					FACW spp.       82       x       2 =       164         FAC spp.       0       x       3 =       0         FACU spp.       0       x       4 =       0			
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp. 0 $x 4 = 0$			
1.	Salix petiolaris	40	Y	OBL	UPL spp. 0 $x 5 = 0$			
2.	Salix interior	30	Y	FACW				
3.	Cornus alba	10	Ν	FACW	Total 163 (A) 245 (B)			
4.								
5.					Prevalence Index = B/A = <b>1.503</b>			
6.					1			
7.								
8.					Hydrophytic Vegetation Indicators:			
9.					Rapid Test for Hydrophytic Vegetation			
10.					X Dominance Test is > 50%			
	Total Cover =	80			$\frac{1}{X} \qquad \text{Prevalence Index is } \le 3.0 \text{ *}$			
					Morphological Adaptations (Explain) *			
Horb Stratum	(Plot size: 5 ft. radius)							
1.	Phalaris arundinacea	20	Y	FACW	Problem Hydrophytic Vegetation (Explain) *			
			<u> </u>	OBL	* Indicators of hydric soil and wetland hydrology must be			
2.	Carex atherodes	20	T V		present, unless disturbed or problematic.			
3.	Carex pellita	20	•	OBL				
4.	Carex sartwellii	10	<u>N</u>	FACW	Definitions of Vegetation Strata:			
5.	Calamagrostis stricta	5	N	FACW	-			
6	Juncus arcticus	5	<u>N</u>	FACW				
7.	Mentha arvensis	1	<u>N</u>	FACW	height (DBH), regardless of height.			
8.	Poa palustris	1	<u>N</u>	FACW				
9.	Persicaria amphibia	1	N	OBL	<b>Sapling/Shrub -</b> Woody plants less than 3 in. DBH, regardless of height.			
10.								
11.								
12.					<b>Herb</b> - All herbaceous (non-woody) plants, regardless of size.			
13.								
14.								
15.					Woody Vines - All woody vines, regardless of height.			
	Total Cover =	83						
Woody Vine S	stratum (Plot size: 30 ft. radius)							
1.								
2.								
3.					Hydrophytic Vegetation Present? Y			
5.								
4.								
	Total Cover =	0						
Remarks:		dow willov	v and sand	dbar willow	w with a lush herbaceous layer of tall graminoids. Hydrophytic vegetation is present			
Additional	Pomarke							
Additional Remarks:								