WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	09/29/14
Applicant:		Enbridge			0	/N 41 D A	1.00)	M D 4 50		County:	Pennington
Investigators		RAJ/BJC			Subregio	•	or LRR):	MLRA 56		State:	MN
Soil Unit:	I55A Depression			_	aal Daliafi		Classification:			Comando Dointe	w 152p14w11 o1
Landform: Slope (%):	Depression 0 - 2%		atitude: 48.09		cal Relief: Longitude:		073	Datum:		Sample Point: 	w-153n44w11-a1
. , ,		onditions on the site						✓ Yes	□ No	Section:	
Are Vegetation			significantly		21. (11.110, 0X)	1	e normal circum			Township:	
Are Vegetation			⊐aturally pro			7 11 0	✓ Yes		0001111	Range:	Dir:
SUMMARY C			naturally pro				_ 100	- 110		r tarigo.	J
Hydrophytic \			Yes					Hydric Soi	Is Present?	Yes	
Wetland Hyd	•		Yes		_					nt Within A W	etland? Yes
Remarks:			by quaking	aspen with a	dense shr	ub layer	of willows and				within a horse pasture. All
	parameters	of wetland condition	ns are prese	nt.		•				·	·
HYDROLOG	Y										
Wetland Hy	drology Ind	icators (Check all the	hat apply: M	inimum of on	e nrimary	or two se	econdary requi	red):			
Primary:		ioators (oricon air ti	nat apply, w		c primary	01 100 30	soonaary regain	100):	Secondary:	:	
	A1 - Surface	Water			B11 - Salt (Crust				B6 - Surface S	oil Cracks
	A2 - High Wa				B13 - Aqua						Vegetated Concave Surface
	A3 - Saturation B1 - Water M				C1 - Hydro C2 - Dry So					B10 - Drainage	e Patterns Rhizospheres on Living Roots (tilled
	B2 - Sedimer						spheres on Living	Roots (not till	le 🗆	C8 - Crayfish E	
	B3 - Drift Dep	oosits			C4 - Prese	nce of Re	duced Iron	,		C9 - Saturation	n Visible on Aerial Imagery
	B4 - Algal Ma				C7 - Thin N		ace		☑	D2 - Geomorp	
	B5 - Iron Dep	osits on Visible on Aerial Imag	nerv	П	Other (Exp	olain)				D5 - FAC-Neut	trai Test aved Hummocks (LRR F)
		tained Leaves	gery						_	D1 - 1 103t-1106	ived Hummooks (ERRY)
Field Observ	vations:										
Surface Wate	er Present?	Yes □	Depth	:	(in.)			Motlered L	Juduala ave	Draggert?	¥
Water Table	Present?	Yes	Depth		(in.)			wetiand r	lydrology	Present?	Y
Saturation Pr	resent?	Yes □	Depth	:	(in.)						_
Describe Reco	orded Data (stream gauge, monito	ring well, aei	rial photos, pr	evious insp	ections)	if available:				
Remarks:		on oan gaage, meme	·····g, e.e.			JGGHOHAI.	ii avallable.				
i ivellians.	I he wetlan	d area has microtop	ographic reli					es. Indicato	ors of wetlar	nd hydrology a	are present
Remarks.	The wetlan	d area has microtopo	ographic reli					es. Indicato	rs of wetlar	nd hydrology a	are present.
SOILS	The wetland	d area has microtopo	ographic reli					es. Indicato	rs of wetlar	nd hydrology a	are present.
SOILS Profile Descri	iption (Descr	ibe to the depth nee	ded to docu	ef and a well ment the indi	-develope cator or co	d mat of	wetland mosse e absence of in	ndicators.)	rs of wetlar	nd hydrology a	are present.
SOILS Profile Descri	iption (Descr	·	ded to docu	ef and a well ment the indi	-develope cator or co	d mat of	wetland mosse e absence of in	ndicators.)	rs of wetlar	nd hydrology a	are present.
SOILS Profile Descri	iption (Descr	ibe to the depth nee etion, RM=Reduced Mati	ded to docu	ef and a well ment the indi	-develope cator or co	d mat of onfirm the	wetland mosse e absence of in ore Lining, M=Matr	ndicators.)	ors of wetlar	nd hydrology a	are present.
SOILS Profile Descri (Type: C=Concen	iption (Descr	ibe to the depth nee etion, RM=Reduced Mati Matrix	ded to docul	ef and a well ment the indi	-develope cator or co Grains; Loca	onfirm the	wetland mosse e absence of in ore Lining, M=Matr	idicators.)		nd hydrology a	
SOILS Profile Descri (Type: C=Concen	iption (Descr ntration, D=Dep	ibe to the depth nee etion, RM=Reduced Mati Matrix Color (Moist)	ded to docurrix, CS=Covere	ef and a well ment the indi	-develope cator or co Grains; Loca	d mat of onfirm the	wetland mosse e absence of in ore Lining, M=Matr	ndicators.)	Texture	nd hydrology a	Remarks
SOILS Profile Descri (Type: C=Concen	iption (Descr ntration, D=Dep Hue_10YR	ibe to the depth nee etion, RM=Reduced Mati	ded to docurrix, CS=Covere	ef and a well	-develope cator or co Grains; Locat Moist)	onfirm the	e absence of incore Lining, M=Matrees Type	dicators.)		nd hydrology a	
SOILS Profile Descri (Type: C=Concen	iption (Descr ntration, D=Dep	ibe to the depth nee etion, RM=Reduced Mati Matrix Color (Moist)	ded to docurrix, CS=Covere	ef and a well ment the indi	-develope cator or co Grains; Locat Moist)	onfirm the	wetland mosse e absence of in ore Lining, M=Matr	idicators.)		nd hydrology a	
SOILS Profile Descri (Type: C=Concen	iption (Descr ntration, D=Dep Hue_10YR	ibe to the depth nee etion, RM=Reduced Mati	ded to docurrix, CS=Covere	ef and a well	-develope cator or co Grains; Locat Moist)	onfirm the	e absence of incore Lining, M=Matrees Type	dicators.)		nd hydrology a	
SOILS Profile Descri (Type: C=Concen	iption (Descr ntration, D=Dep Hue_10YR	ibe to the depth nee etion, RM=Reduced Mati	ded to docurrix, CS=Covere	ef and a well	-develope cator or co Grains; Locat Moist)	onfirm the	e absence of incore Lining, M=Matrees Type	dicators.)		nd hydrology a	
SOILS Profile Descri (Type: C=Concen	iption (Descr ntration, D=Dep Hue_10YR	ibe to the depth nee etion, RM=Reduced Mati	ded to docurrix, CS=Covere	ef and a well	-develope cator or co Grains; Locat Moist)	onfirm the	e absence of incore Lining, M=Matrees Type	dicators.)		nd hydrology a	
SOILS Profile Descri (Type: C=Concent Depth (In.) 0-10 10-18	Hue_10YR Gley1	ibe to the depth nee etion, RM=Reduced Matrix Matrix Color (Moist) 2/1 3/N	ded to docurrix, CS=Covere % 100 96	ment the indid/Coated Sand	cator or co Grains; Local Moist)	onfirm the	e absence of incore Lining, M=Matroes Type C	dicators.)		nd hydrology a	
SOILS Profile Descri (Type: C=Concen	Hue_10YR Gley1	ibe to the depth nee etion, RM=Reduced Matrix Matrix Color (Moist) 2/1 3/N	ded to docurrix, CS=Covere % 100 96	ef and a well	cator or co Grains; Local Moist)	onfirm the	e absence of incore Lining, M=Matrees Type	dicators.)	Texture M C		Remarks
SOILS Profile Descri (Type: C=Concent Depth (In.) 0-10 10-18 NRCS Hydri	Hue_10YR Gley1	ibe to the depth nee etion, RM=Reduced Matrix Matrix Color (Moist) 2/1 3/N	ded to docurrix, CS=Covere % 100 96	ment the indid/Coated Sand Color (Hue_10YR	cator or co Grains; Local Moist) 3/3 not presen	onfirm the	e absence of incore Lining, M=Matroes Type C	Location M	Texture M C	for Problematic	Remarks
SOILS Profile Descri (Type: C=Concent Depth (In.) 0-10 10-18	Hue_10YR Gley1 A1- Histosol	Matrix Color (Moist) 2/1 3/N Indicators (che	ded to docurrix, CS=Covere % 100 96	ment the indid/Coated Sand Color (Hue_10YR dicators are r	cator or co Grains; Local Moist) 3/3 not presen	onfirm the	e absence of incore Lining, M=Matroes Type C	Location M	Texture M C Indicators 1 A9 - 1 cm M	for Problemation	Remarks
SOILS Profile Descri (Type: C=Concent Depth (In.) 0-10 10-18 NRCS Hydri	Hue_10YR Gley1	Matrix Color (Moist) 2/1 3/N Indicators (che	ded to docurrix, CS=Covere % 100 96	ment the indid/Coated Sand Color (Hue_10YR	cator or co Grains; Local Moist) 3/3 not presented a control of the control of	onfirm the tion: PL=Po	e absence of incore Lining, M=Matroes Type C	Location M	Texture M C Indicators 1 A9 - 1 cm M A16 - Coast	for Problematic	Remarks
Depth (In.) 0-10 10-18	Hue_10YR Gley1 A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge	ibe to the depth nee etion, RM=Reduced Matrix Matrix Color (Moist) 2/1 3/N Indicators (che	ded to documents, CS=Covere % 100 96 ck here if ince	ment the indid/Coated Sand Color (Hue_10YR dicators are r S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy O	cator or configurations; Location of Configurations; Locations (Locations) 3/3 anot present edox Matrix Mucky Mineral Bleyed Matrix	mat of onfirm the tion: PL=Po	e absence of incore Lining, M=Matroes Type C	Location M	Texture M C Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F	for Problemation Muck (LRR I, J) t Prairie Redox (urface (LRR G) Plains Depression	Remarks
Depth (In.) 0-10 10-18	Hue_10YR Gley1 A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified	Matrix Color (Moist) 2/1 3/N Indicators (che	ded to documents, CS=Covere % 100 96 ck here if ince	ment the indid/Coated Sand Color (Hue_10YR dicators are r S5 - Sandy R S6 - Stripped F1 - Loamy R F2 - Loamy C F3 - Depleted	cator or co Grains; Local Moist) 3/3 not presen edox Matrix Mucky Minera Gleyed Matrix	mat of onfirm the tion: PL=Po Mottle % 4 t):	e absence of incore Lining, M=Matroes Type C	Location M	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduce	for Problemation Muck (LRR I, J) t Prairie Redox (urface (LRR G) Plains Depression ced Vertic	Remarks Soils ¹ LRR F, G, H)
Depth (In.) 0-10 10-18	Hue_10YR Gley1 A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A9 - 1 cm Mu	Matrix Color (Moist) 2/1 3/N Indicators (che	ded to documents, CS=Covere % 100 96 ck here if ince	ment the indid/Coated Sand Color (Hue_10YR dicators are r S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D	cator or configurations; Location or configurations; Locations; Lo	onfirm the tion: PL=Po	e absence of incore Lining, M=Matroes Type C	Location M	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc	for Problemation Muck (LRR I, J) t Prairie Redox (urface (LRR G) Plains Depression ced Vertic Parent Material	Remarks Soils LRR F, G, H) Ons (LRR H, outside MLRA 72, 73)
Depth (In.) 0-10 10-18	Hue_10YR Gley1 A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A9 - 1 cm Mu	ibe to the depth nee etion, RM=Reduced Matrix Matrix Color (Moist) 2/1 3/N Indicators (che bipedon stic n Sulfide H Layers (LRR F) lock (LRR FGH) lock (LRR FGH) lock (LRR FGH) lock (Below Dark Surface)	ded to documents, CS=Covere % 100 96 ck here if ince	ment the indid/Coated Sand Color (Hue_10YR dicators are r S5 - Sandy R S6 - Stripped F1 - Loamy R F2 - Loamy C F3 - Depleted	cator or congrains; Locar Moist) 3/3 not present edox Matrix Mucky Minera Gleyed Matrix dark Surface	onfirm the tion: PL=Po	e absence of incore Lining, M=Matroes Type C	Location M	Indicators for A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduct TF2 - Red F TF12 - Very	for Problemation Muck (LRR I, J) t Prairie Redox (urface (LRR G) Plains Depression ced Vertic	Remarks Soils LRR F, G, H) Ons (LRR H, outside MLRA 72, 73)
SOILS Profile Descri (Type: C=Concent Depth (In.) 0-10 10-18 NRCS Hydri	Hue_10YR Gley1 A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick E S1 - Sandy M	Matrix Color (Moist) 2/1 3/N Indicators (che bipedon stic n Sulfide Layers (LRR F) ock (LRR FGH) ed Below Dark Surface Dark Surface lucky Mineral	ded to documents, CS=Covere % 100 96 ck here if ince	ment the indid/Coated Sand Color (Hue_10YR dicators are r S5 - Sandy R S6 - Stripped F1 - Loamy R F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	cator or co Grains; Local Moist) 3/3 not presen edox Matrix Mucky Minera Gleyed Matrix ark Surface ark Surface pepressions	mat of confirm the tion: PL=Point Mottle with the tion wit	e absence of incore Lining, M=Matroes Type C	Location M	Indicators for A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduct TF2 - Red F TF12 - Very	for Problemation Muck (LRR I, J) It Prairie Redox (Jurface (LRR G) Plains Depression Ced Vertic Parent Material To Shallow Dark S	Remarks Soils LRR F, G, H) Ons (LRR H, outside MLRA 72, 73)
SOILS Profile Descri (Type: C=Concent Depth (In.) 0-10 10-18 NRCS Hydri	Hue_10YR Gley1 A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick E S1 - Sandy M S2 - 2.5 cm M	ibe to the depth nee etion, RM=Reduced Matrix Matrix Color (Moist) 2/1 3/N Indicators (che Dipedon stic In Sulfide I Layers (LRR F) Ick (LRR FGH) Ick (LRR FGH) Ick (LRR FGH) Ick Surface Dark Surface	ded to documents, CS=Covere % 100 96 ck here if income	ment the indid/Coated Sand Color (Hue_10YR dicators are r S5 - Sandy R S6 - Stripped F1 - Loamy R F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	cator or co Grains; Local Moist) 3/3 not presen edox Matrix Mucky Minera Gleyed Matrix ark Surface ark Surface pepressions	mat of confirm the tion: PL=Point Mottle with the tion wit	e absence of incre Lining, M=Matroses Type C	Location M	Indicators of A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduct TF2 - Red F TF12 - Very Other (Explain	for Problemation Muck (LRR I, J) t Prairie Redox (urface (LRR G) Plains Depression ced Vertic Parent Material of Shallow Dark Stain in Remarks)	Remarks Soils LRR F, G, H) Ons (LRR H, outside MLRA 72, 73) Surface
Depth (In.) 0-10 10-18 NRCS Hydri	Hue_10YR Gley1 A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick E S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mu	Matrix Color (Moist) 2/1 3/N Indicators (che Layers (LRR F) lock (LRR FGH) ed Below Dark Surface Dark Surface lucky Mineral Mucky Peat or Peat (LRR locky Peat or Peat (LRR	ded to documents, CS=Covere % 100 96 ck here if income	ment the indid/Coated Sand Color (Hue_10YR dicators are r S5 - Sandy R S6 - Stripped F1 - Loamy R F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	cator or co Grains; Local Moist) 3/3 not presen edox Matrix Mucky Minera Gleyed Matrix ark Surface ark Surface pepressions	mat of confirm the tion: PL=Point Mottle with the tion wit	e absence of incre Lining, M=Matroses Type C	Location M	Indicators of Part Indicators of	for Problemation Muck (LRR I, J) It Prairie Redox (Inface (LRR G) Plains Depression Ced Vertic Parent Material Y Shallow Dark Seain in Remarks)	Remarks Soils LRR F, G, H) Ons (LRR H, outside MLRA 72, 73)
SOILS Profile Descri (Type: C=Concent Depth (In.) 0-10 10-18 NRCS Hydri	Hue_10YR Gley1 A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick E S1 - Sandy M S2 - 2.5 cm M	Matrix Color (Moist) 2/1 3/N Indicators (che Layers (LRR F) lock (LRR FGH) ed Below Dark Surface Dark Surface lucky Mineral Mucky Peat or Peat (LRR locky Peat or Peat (LRR	ded to documents, CS=Covere % 100 96 ck here if income	ment the indid/Coated Sand Color (Hue_10YR dicators are r S5 - Sandy R S6 - Stripped F1 - Loamy R F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	cator or co Grains; Local Moist) 3/3 not presen edox Matrix Mucky Minera Gleyed Matrix ark Surface ark Surface pepressions	mat of confirm the tion: PL=Point Mottle with the tion wit	e absence of incre Lining, M=Matroses Type C	Location M	Indicators of Part Indicators of	for Problemation Muck (LRR I, J) t Prairie Redox (urface (LRR G) Plains Depression ced Vertic Parent Material of Shallow Dark Stain in Remarks)	Remarks Soils LRR F, G, H) Ons (LRR H, outside MLRA 72, 73) Surface
SOILS Profile Descri (Type: C=Concent Depth (In.) 0-10 10-18 NRCS Hydri	Hue_10YR Gley1 A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick E S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mu S4 - Sandy G	Matrix Color (Moist) 2/1 3/N Indicators (che Sipedon Stic n Sulfide I Layers (LRR F) Ick (LRR FGH) Ed Below Dark Surface Dark Surface Jucky Mineral Mucky Peat or Peat (LRR Icky Peat Matrix	ded to documents, CS=Covere % 100 96 ck here if income	ment the indid/Coated Sand Color (Hue_10YR dicators are r S5 - Sandy R S6 - Stripped F1 - Loamy R F2 - Loamy R F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D F16 - High Pl	cator or congrains; Locar Moist) 3/3 not presented Matrix Mucky Mineral Matrix Mucky Mineral Matrix Mark Surface of Dark Su	mat of confirm the tion: PL=Point Mottle with the tion wit	e absence of incre Lining, M=Matroses Type C RA 72, 73 of LRF	Location M CR H)	Indicators of Annual Property Control of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988 (for Problemation Muck (LRR I, J) It Prairie Redox (Inface (LRR G) Plains Depression Ced Vertic Parent Material Y Shallow Dark Seain in Remarks)	Remarks Soils LRR F, G, H) Ons (LRR H, outside MLRA 72, 73) Surface
Depth (In.) 0-10 10-18 NRCS Hydri	Hue_10YR Gley1 A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick E S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mu S4 - Sandy G	Matrix Color (Moist) 2/1 3/N Indicators (che Sipedon Stic n Sulfide I Layers (LRR F) Ick (LRR FGH) Ed Below Dark Surface Dark Surface Jucky Mineral Mucky Peat or Peat (LRR Icky Peat Matrix	ded to documents, CS=Covere % 100 96 ck here if income	ment the indid/Coated Sand Color (Hue_10YR dicators are r S5 - Sandy R S6 - Stripped F1 - Loamy R F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	cator or congrains; Locar Moist) 3/3 not presented Matrix Mucky Mineral Matrix Mucky Mineral Matrix Mark Surface of Dark Su	mat of confirm the tion: PL=Point Mottle with the tion wit	e absence of incre Lining, M=Matroses Type C RA 72, 73 of LRF	Location M	Indicators of Annual Property Control of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988) Indicators of Figure 1988 (Explain and Indicators of Figure 1988 (for Problemation Muck (LRR I, J) It Prairie Redox (Inface (LRR G) Plains Depression Ced Vertic Parent Material Y Shallow Dark Seain in Remarks)	Remarks Soils LRR F, G, H) Ons (LRR H, outside MLRA 72, 73) Surface

WETLAND DETERMINATION DATA FORM

Great Plains Region

Species Name Species Name 1. Populus tremuloides 2. Salix amygdaloides 2. Salix amygdaloides 3. Total Number of Dominant Species Across All Strata: 4. Total Number of Dominant Species Across All Strata: 6 (B)	Species Name	radius) edides des Total Cover = te: 15 ft. radius)	80 60 20 80 60 40 15	Dominant Y Y	FACW FACW OBL	Number of Dominant Species that are OBL, FACW, or FAC:
## Statum (Plot size: 30 ft. radius) Packet Permander Section Section	Species Name	radius) edides des Total Cover = te: 15 ft. radius)	80 60 20 80 60 40 15	Dominant Y Y	FACW FACW OBL	Number of Dominant Species that are OBL, FACW, or FAC:
Species Name	Species Name	Total Cover :	60 20 = 80 60 40 15	Y	FACW FACW OBL	Number of Dominant Species that are OBL, FACW, or FAC:
1. Pacada transmissivate 80 Y FACW As the encouple of the properties	1.	Total Cover =	60 20 = 80 60 40 15	Y	FACW FACW OBL	Number of Dominant Species that are OBL, FACW, or FAC:
Peacet romanices	1.	Total Cover =	= <u>80</u> 60 40 15	Y	FACW FACW OBL	Total Number of Dominant Species Across All Strata: 6 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B) Prevalence Index Worksheet Total % Cover of: Multiply by: OBL spp. 36
2. Sets emisgrativistics 3. Set	2.	Total Cover :	= <u>80</u> 60 40 15	Y - - Y Y	FACW FACW OBL	Total Number of Dominant Species Across All Strata: 6 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B) Prevalence Index Worksheet Total % Cover of: Multiply by: OBL spp. 36
A	3.	Total Cover =	= <u>80</u> 60 40 15	- Y Y N	FACW FACW OBL	Total Number of Dominant Species Across All Strata: 6 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B) Prevalence Index Worksheet Total % Cover of: Multiply by: OBL spp. 36
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