WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	09/23/14
Applicant: Enbridge										County:	Marshall
Investigators: BEH/NTT			Subregion (MLRA or LRR): MLRA 56							State:	MN
Soil Unit:	170A			_			I Classification:			_	
Landform:	Talf				cal Relief:					Sample Point:	u-155n45w34-c1
\ /	3 - 7%			655462	Longitude:			Datum:		_	
		nditions on the site typica			ar? (If no, exp				□ No	Section:	
Are Vegetatio			•	disturbed?		Are	e normal circum	nstances pr	esent?	Township:	
Are Vegetatio			ally pro	blematic?			Yes	□ No		Range:	Dir:
SUMMARY O	F FINDINGS	5									
Hydrophytic V	egetation P	resent?	No		_			Hydric Soi	Is Present?	² No	
Wetland Hydr	rology Prese	nt?	No					Is This Sa	mpling Poir	nt Within A We	etland? No
Remarks:	The upland	sample point is located i	n a soyk	oean field, u	oslope fror	n a seas	sonally-flooded,	farmed we	tland.		
HYDROLOGY	/										
		icators (Chack all that a	oply: Mi	nimum of on	o primary	or two c	ocondary roqui	rod):			
Primary:	arology ind	icators (Check all that a	ppiy, iviii	nimum or on	e primary	OI TWO S	econdary requi	eu).	Secondary:		
	A1 - Surface \	Nater	П	B11 - Salt (Crust				<u>.</u> B6 - Surface S	oil Cracks	
	A2 - High Wa				B13 - Aqua						Vegetated Concave Surface
	A3 - Saturatio				C1 - Hydro					B10 - Drainage	
	B1 - Water M	arks			C2 - Dry Se	eason Wa	iter Table				Rhizospheres on Living Roots (tilled)
	B2 - Sedimen	•					spheres on Living	Roots (not till	le 🗆	C8 - Crayfish E	
	B3 - Drift Dep				C4 - Prese						N Visible on Aerial Imagery
	B4 - Algal Ma				C7 - Thin N		ace			D2 - Geomorph D5 - FAC-Neut	
	B5 - Iron Dep	ก Visible on Aerial Imagery		П	Other (Exp	iairi)					rai rest aved Hummocks (LRR F)
	B9 - Water-St	0 1								D1 - 11031-116a	ived Hammocks (Litter)
_											
Field Observ	rations:										
Surface Water		Yes □	Donth:		(in)						
Water Table I			Depth:		_ (in.)			Wetland F	Hydrology	Present?	N
		Yes	Depth:		_ (in.)						
Saturation Pre	esent?	Yes	Depth:		_ (in.)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:											
Remarks: No primary or secondary hydrological indicators were observed.											
Remarks:	No primary	or secondary hydrologica	al indica	tors were ob	served.	·					
Remarks:	No primary	or secondary hydrologica	al indica	tors were ob	served.	·					
SOILS	No primary	or secondary hydrologica	al indica	tors were ob	served.	·					
SOILS Profile Descrip	otion (Descri	be to the depth needed t	o docun	nent the indi	cator or co		e absence of in				
SOILS Profile Descrip	otion (Descri		o docun	nent the indi	cator or co		e absence of in				
SOILS Profile Descrip	otion (Descri	be to the depth needed tetion, RM=Reduced Matrix, CS	o docun	nent the indi	cator or co	tion: PL=P	e absence of in ore Lining, M=Matr				
SOILS Profile Descrip	otion (Descri	be to the depth needed t etion, RM=Reduced Matrix, CS Matrix	o docun =Covered	nent the indi	cator or co Grains; Locat	tion: PL=P	e absence of in ore Lining, M=Matr	ix)			
SOILS Profile Descrip	otion (Descri	be to the depth needed tetion, RM=Reduced Matrix, CS	o docun	nent the indi	cator or co Grains; Locat	tion: PL=P	e absence of in ore Lining, M=Matr		Texture		Remarks
SOILS Profile Descrip (Type: C=Concent	otion (Descri	be to the depth needed t etion, RM=Reduced Matrix, CS Matrix	o docun =Covered	nent the indi	cator or co Grains; Locat	tion: PL=P	e absence of in ore Lining, M=Matr	ix)	Texture CL		Remarks
SOILS Profile Descrip (Type: C=Concent	otion (Descri tration, D=Depl	be to the depth needed tetion, RM=Reduced Matrix, CS Matrix Color (Moist) 2/1	o docun =Covered %	nent the indi	cator or co Grains; Locat Moist)	tion: PL=P	e absence of in ore Lining, M=Matr	ix)	Texture CL C		Remarks
SOILS Profile Descrip (Type: C=Concent Depth (In.) 0-8 8-12	otion (Descritration, D=Deplementation) Hue_10YR Hue_10YR	be to the depth needed tetion, RM=Reduced Matrix, CS Matrix Color (Moist) 2/1 6/3	% 100 90	nent the indi	cator or co Grains; Locat Moist)	Mottle %	e absence of in ore Lining, M=Matr es Type	Location	CL C		Remarks
SOILS Profile Descrip (Type: C=Concent) Depth (In.) 0-8	otion (Descri tration, D=Depl	be to the depth needed tetion, RM=Reduced Matrix, CS Matrix Color (Moist) 2/1 6/3	o docun =Covered % 100	nent the indi	cator or co Grains; Locat Moist)	Mottle %	e absence of in ore Lining, M=Matr es Type	Location	Texture CL C		Remarks
SOILS Profile Descrip (Type: C=Concent Depth (In.) 0-8 8-12	otion (Descritration, D=Deplementation) Hue_10YR Hue_10YR	be to the depth needed tetion, RM=Reduced Matrix, CS Matrix Color (Moist) 2/1 6/3	% 100 90	nent the indi	cator or co Grains; Locat Moist)	Mottle %	e absence of in ore Lining, M=Matr es Type	Location	CL C		Remarks
SOILS Profile Descrip (Type: C=Concent Depth (In.) 0-8 8-12	otion (Descritration, D=Deplementation) Hue_10YR Hue_10YR	be to the depth needed tetion, RM=Reduced Matrix, CS Matrix Color (Moist) 2/1 6/3	% 100 90	nent the indi	cator or co Grains; Locat Moist)	Mottle %	e absence of in ore Lining, M=Matr es Type	Location	CL C		Remarks
SOILS Profile Descrip (Type: C=Concent) Depth (In.) 0-8 8-12 12-21	Hue_10YR Hue_10YR Hue_10YR	be to the depth needed tetion, RM=Reduced Matrix, CS Matrix Color (Moist) 2/1 6/3 3/2	% 100 90 100	Color (Hue_10YR	Cator or co Grains; Locat Moist) 6/8	Mottle %	e absence of in ore Lining, M=Matr es Type C	Location	CL C		Remarks
SOILS Profile Descrip (Type: C=Concent Depth (In.) 0-8 8-12	Hue_10YR Hue_10YR Hue_10YR	be to the depth needed tetion, RM=Reduced Matrix, CS Matrix Color (Moist) 2/1 6/3 3/2	% 100 90 100	nent the indi	Cator or co Grains; Locat Moist) 6/8	Mottle %	e absence of in ore Lining, M=Matr es Type	Location	CL C SL		
SOILS Profile Descrip (Type: C=Concent Depth (In.) 0-8 8-12 12-21 NRCS Hydri	Hue_10YR Hue_10YR Hue_10YR C Soil Field	be to the depth needed tetion, RM=Reduced Matrix, CS Matrix Color (Moist) 2/1 6/3 3/2	% 100 90 100	Color (Hue_10YR	Cator or co Grains; Locat Moist) 6/8	Mottle %	e absence of in ore Lining, M=Matr es Type C	Location	CL C SL	for Problematic	
SOILS Profile Descrip (Type: C=Concent) Depth (In.) 0-8 8-12 12-21 NRCS Hydri	Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol	be to the depth needed to the tion, RM=Reduced Matrix, CS Matrix Color (Moist) 2/1 6/3 3/2 Indicators (check he	% 100 90 100	Color (Hue_10YR licators are r	cator or co Grains; Local Moist) 6/8 not presented	Mottle %	e absence of in ore Lining, M=Matr es Type C	Location	CL C SL Indicators 1 A9 - 1 cm M	/luck (LRR I, J)	: Soils ¹
SOILS Profile Descrip (Type: C=Concent) Depth (In.) 0-8 8-12 12-21 NRCS Hydri	Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep	be to the depth needed to the tion, RM=Reduced Matrix, CS Matrix Color (Moist) 2/1 6/3 3/2 Indicators (check he ipedon	% 100 90 100	Color (Hue_10YR licators are r S5 - Sandy R S6 - Stripped	cator or co Grains; Locat Moist) 6/8 not presented	Mottle % 10	e absence of in ore Lining, M=Matr es Type C	Location	CL C SL Indicators 1 A9 - 1 cm M A16 - Coast	/luck (LRR I, J) t Prairie Redox (: Soils ¹
SOILS Profile Descrip (Type: C=Concent Depth (In.) 0-8 8-12 12-21 NRCS Hydri	Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His	be to the depth needed to etion, RM=Reduced Matrix, CS Matrix Color (Moist) 2/1 6/3 3/2 Indicators (check he etic)	% 100 90 100	Color (Hue_10YR S5 - Sandy R S6 - Stripped F1 - Loamy N	cator or co Grains; Locat Moist) 6/8 not present	Mottle % 10 tt):	e absence of in ore Lining, M=Matr es Type C	Location	CL C SL Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S	Muck (LRR I, J) t Prairie Redox (Surface (LRR G)	Soils ¹ LRR F, G, H)
Depth (In.) 0-8 8-12 12-21 NRCS Hydri	Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger	be to the depth needed to etion, RM=Reduced Matrix, CS Matrix Color (Moist) 2/1 6/3 3/2 Indicators (check he ipedon stic in Sulfide	% 100 90 100 ere if ind	Color (Hue_10YR icators are r S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy O	Cator or co Grains; Local Moist) 6/8 not presented ox Matrix Mucky Minera	Mottle % 10 tt):	e absence of in ore Lining, M=Matr es Type C	Location	CL C SL Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F	Muck (LRR I, J) t Prairie Redox (Surface (LRR G) Plains Depressic	: Soils ¹
Depth (In.) 0-8 8-12 12-21 NRCS Hydri	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydrogel A5 - Stratified	be to the depth needed to etion, RM=Reduced Matrix, CS Matrix Color (Moist) 2/1 6/3 3/2 Indicators (check he ipedon stic in Sulfide Layers (LRR F)	% 100 90 100	Color (Hue_10YR S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy C F3 - Depleted	Moist) 6/8 6/8 anot present edox Matrix Mucky Minera Gleyed Matrix Matrix	Mottle % 10 t):	e absence of in ore Lining, M=Matr es Type C	Location	CL C SL Indicators f A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduce	Muck (LRR I, J) t Prairie Redox (Surface (LRR G) Plains Depressic ced Vertic	Soils ¹ LRR F, G, H)
Depth (In.) 0-8 8-12 12-21 NRCS Hydri	Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified A9 - 1 cm Mu	be to the depth needed to etion, RM=Reduced Matrix, CS Matrix Color (Moist) 2/1 6/3 3/2 Indicators (check he etic in Sulfide Layers (LRR F) ck (LRR FGH)	% 100 90 100 ere if ind	Color (Hue_10YR S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy O F3 - Depleted F6 - Redox D	Moist) 6/8 Motrix Mucky Mineral Bleyed Matrix	Mottle % 10 tt):	e absence of in ore Lining, M=Matr es Type C	Location	CL C SL Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduct TF2 - Red F	Muck (LRR I, J) t Prairie Redox (Surface (LRR G) Plains Depressic ced Vertic Parent Material	E Soils ¹ LRR F, G, H) ONS (LRR H, outside MLRA 72, 73)
Depth (In.) 0-8 8-12 12-21 NRCS Hydri	Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified A9 - 1 cm Mu	be to the depth needed to etion, RM=Reduced Matrix, CS Matrix Color (Moist) 2/1 6/3 3/2 Indicators (check he exist in Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface	% 100 90 100 ere if ind	Color (Hue_10YR S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D F7 - Depleted	Moist) 6/8 Mot present edox Matrix Mucky Minera Gleyed Matrix Mucky Minera Sleyed Matrix Mucky Minera Muck	Mottle % 10 tt):	e absence of in ore Lining, M=Matr es Type C	Location	CL C SL Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very	Muck (LRR I, J) t Prairie Redox (Surface (LRR G) Plains Depressic ced Vertic Parent Material v Shallow Dark S	E Soils ¹ LRR F, G, H) ONS (LRR H, outside MLRA 72, 73)
Depth (In.) 0-8 8-12 12-21 NRCS Hydri	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified A9 - 1 cm Mu A11 - Deplete	be to the depth needed to etion, RM=Reduced Matrix, CS Matrix Color (Moist) 2/1 6/3 3/2 Indicators (check he depth needed to the stice of Sulfide Layers (LRR F) ck (LRR FGH) depth below Dark Surface ark Surface	% 100 90 100 ere if ind	Color (Hue_10YR S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	Moist) 6/8 6/8 anot present edox Matrix Mucky Minera Gleyed Matrix Matrix eark Surface Dark Surface epressions	Mottle % 10 t):	e absence of inore Lining, M=Matrees Type C	Location	CL C SL Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very	Muck (LRR I, J) t Prairie Redox (Surface (LRR G) Plains Depressic ced Vertic Parent Material	E Soils ¹ LRR F, G, H) ONS (LRR H, outside MLRA 72, 73)
Depth (In.) 0-8 8-12 12-21 NRCS Hydri	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydrogel A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M	be to the depth needed to etion, RM=Reduced Matrix, CS Matrix Color (Moist) 2/1 6/3 3/2 Indicators (check he depth needed to the stice of Sulfide Layers (LRR F) ck (LRR FGH) depth below Dark Surface ark Surface	% 100 90 100 ere if ind	Color (Hue_10YR S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	Moist) 6/8 6/8 anot present edox Matrix Mucky Minera Gleyed Matrix Matrix eark Surface Dark Surface epressions	Mottle % 10 t):	e absence of in ore Lining, M=Matr es Type C	Location	CL C SL Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very	Muck (LRR I, J) t Prairie Redox (Surface (LRR G) Plains Depressic ced Vertic Parent Material v Shallow Dark S	E Soils ¹ LRR F, G, H) ONS (LRR H, outside MLRA 72, 73)
SOILS Profile Descrip (Type: C=Concent Depth (In.) 0-8 8-12 12-21 NRCS Hydri	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mu	be to the depth needed to etion, RM=Reduced Matrix, CS Matrix Color (Moist) 2/1 6/3 3/2 Indicators (check he existed to be stice to Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ark Surface ucky Mineral lucky Peat or Peat (LRR G, Focky Peat or Peat (LRR F)	% 100 90 100 ere if ind	Color (Hue_10YR S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	Moist) 6/8 6/8 anot present edox Matrix Mucky Minera Gleyed Matrix Matrix eark Surface Dark Surface epressions	Mottle % 10 t):	e absence of inore Lining, M=Matrees Type C	Location	CL C SL Indicators f A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla	Muck (LRR I, J) t Prairie Redox (Surface (LRR G) Plains Depression ced Vertic Parent Material r Shallow Dark S ain in Remarks)	E Soils ¹ LRR F, G, H) ONS (LRR H, outside MLRA 72, 73)
SOILS Profile Descrip (Type: C=Concent Depth (In.) 0-8 8-12 12-21 NRCS Hydri	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydrogel A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M	be to the depth needed to etion, RM=Reduced Matrix, CS Matrix Color (Moist) 2/1 6/3 3/2 Indicators (check he existed to be stice to Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ark Surface ucky Mineral lucky Peat or Peat (LRR G, Focky Peat or Peat (LRR F)	% 100 90 100 ere if ind	Color (Hue_10YR S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	Moist) 6/8 6/8 anot present edox Matrix Mucky Minera Gleyed Matrix Matrix eark Surface Dark Surface epressions	Mottle % 10 t):	e absence of inore Lining, M=Matrees Type C	Location	CL C SL Indicators f A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla	Muck (LRR I, J) t Prairie Redox (Surface (LRR G) Plains Depression ced Vertic Parent Material / Shallow Dark S ain in Remarks)	ESOIIS ¹ LRR F, G, H) ONS (LRR H, outside MLRA 72, 73) Surface
SOILS Profile Descrip (Type: C=Concent Depth (In.) 0-8 8-12 12-21 NRCS Hydri	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mu	be to the depth needed to etion, RM=Reduced Matrix, CS Matrix Color (Moist) 2/1 6/3 3/2 Indicators (check he existed to be stice to Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ark Surface ucky Mineral lucky Peat or Peat (LRR G, Focky Peat or Peat (LRR F)	% 100 90 100 ere if ind	Color (Hue_10YR S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	Moist) 6/8 6/8 anot present edox Matrix Mucky Minera Gleyed Matrix Matrix eark Surface Dark Surface epressions	Mottle % 10 t):	e absence of inore Lining, M=Matrees Type C	Location	CL C SL Indicators f A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla	Muck (LRR I, J) t Prairie Redox (Surface (LRR G) Plains Depression ced Vertic Parent Material r Shallow Dark S ain in Remarks)	ESOIIS ¹ LRR F, G, H) ONS (LRR H, outside MLRA 72, 73) Surface
SOILS Profile Descrip (Type: C=Concent Depth (In.) 0-8 8-12 12-21 NRCS Hydri	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydrogel 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	be to the depth needed to etion, RM=Reduced Matrix, CS Matrix Color (Moist) 2/1 6/3 3/2 Indicators (check he existed to be stice to Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ark Surface ucky Mineral lucky Peat or Peat (LRR G, Focky Peat or Peat (LRR F)	% 100 90 100 ere if ind	Color (Hue_10YR S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D F16 - High Pl	Moist) 6/8 Moist present edox Matrix Mucky Minera Bleyed Matrix Matrix Park Surface Dark Surface Pepressions Allow Depressions Allow Depressions Allow Depressions Allow Depressions Allow Depressions Allow Depressions	Mottle % 10 t):	e absence of inore Lining, M=Matrees Type C RA 72, 73 of LRF	Location	Indicators of A9 - 1 cm MA16 - Coast S7 - Dark SF16 - High FF18 - Reduct TF2 - Red FTF12 - Very Other (Explain Indicators of Funless disturbed)	Muck (LRR I, J) t Prairie Redox (Surface (LRR G) Plains Depression ced Vertic Parent Material r Shallow Dark S ain in Remarks)	ESOIIS ¹ LRR F, G, H) ONS (LRR H, outside MLRA 72, 73) Surface
SOILS Profile Descrip (Type: C=Concent Depth (In.) 0-8 8-12 12-21 NRCS Hydri	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydrogel 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	be to the depth needed to etion, RM=Reduced Matrix, CS Matrix Color (Moist) 2/1 6/3 3/2 Indicators (check he etic has been stic has a Sulfide has been been been been been been been bee	% 100 90 100 ere if ind	Color (Hue_10YR Bicators are r S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D F16 - High Pl	Moist) 6/8 Motrix Mucky Mineral Matrix Mucky Mineral Matrix Mucky Surface Dark Surface Dark Surface Dark Surface Dark Surface	Mottle % 10 t):	e absence of in ore Lining, M=Matrees Type C Page 1985 C Hydric So	Location M H H H H H H H H H H H H	CL C SL Indicators f A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduct TF2 - Red F TF12 - Very Other (Explain	Muck (LRR I, J) t Prairie Redox (Surface (LRR G) Plains Depression ced Vertic Parent Material / Shallow Dark S ain in Remarks) hydrophytic vegetati ed or problematic.	ESOIIS ¹ LRR F, G, H) ONS (LRR H, outside MLRA 72, 73) Surface

WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-155n45w34-c1
VEGETATION	` ` '	e non-native	species.)		
Tree Stratum (Plot size: 30 ft. radius) Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.	<u>opeoies ivaime</u>	<u> 70 00VCI</u>	Dominant	<u>ma.otatus</u>	Dominance real Worksheet
2.					Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)
3.					(v.)
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. $0 x 1 = 0$
	Total Cover =	0			FACW spp. $0 x 2 = 0$
					FACW spp. 0
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. $3 x 4 = 12$
1.	Ulmus pumila	10	Υ	UPL	UPL spp. 40
2.					
3.					Total 43 (A) 212 (B)
4.					
5.					Prevalence Index = B/A = 4.930
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.					Dominance Test is > 50%
	Total Cover =	10			Prevalence Index is ≤ 3.0 *
					Morphological Adaptations (Explain) *
	Plot size: 5 ft. radius)		V	.	Problem Hydrophytic Vegetation (Explain) *
1.	Glycine max	30	<u> </u>	NI	* to disease as the white a sill and continued by dealers, as well as
2.	Fallopia convolvulus	3	N	FACU	* Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3.					·
4.					Definitions of Vegetation Strata:
5.					Trop
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.
7. 8.					Hoight (BBH), regardless of height.
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.
10.					Sapinig/Sinub - Weedy Plante less than 8 m. BBM, regardless of height.
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size.
13.					
14.					
15.					Woody Vines - All woody vines, regardless of height.
101	Total Cover =	33			,
Woody Vine Str	ratum (Plot size: 30 ft. radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present? N
5.				_	
4.					
	Total Cover =				
Remarks:	The sample site is dominated by cultivated s	oybean wit	th scattere	d Siberiar	n elm seedlings.
Additional R	Remarks:				