WETLAND DETERMINA	TION DATA FORM	– Great Plains Regio	n W302BUD0
Project/Site: KXL pipeline	City/County: Ha	rding Co	Sampling Date: 7.21.12 Sampling Point: Uetland
Applicant/Owner:	Section Township	Range: Mf	361.8
	Local relief (concav	e convex none).	Slope (%): 5-2
_andform (hillslope, terrace, etc.):			Datum:
Subregion (LRR): Lat:			PEM
Soil Map Unit Name:			
Are climatic / hydrologic conditions on the slte typical for this time of	of year? Yes 👱 No		emarks.)
Are Vegetation <u>کی</u> , Soil <u>کی</u> , or Hydrology <u>N</u> significe	antly disturbed? Al	re "Normal Circumstances"	present? Yes <u>*</u> No
Are Vegetation <u>No</u> , Soil <u>No</u> , or Hydrology <u>No</u> naturall	y problematic? (If	needed, explain any answe	rs in Remarks.)
SUMMARY OF FINDINGS – Attach site map show	ing sampling poin	t locations, transects	, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: PEM Located Min drain agen Thisfichlis in Saturated / proc	within a Wet	Ied Area Iland? Yes <u>*</u> , wpland pock	ets, pert primaril
VEGETATION – Use scientific names of plants.			
Tree Stratum (Plot size:) % Co	lute Dominant Indicate over Species? Status	Dominance Test work	sheet:
1.		 Number of Dominant S That Are OBL, FACW, (excluding FAC-): 	or FAC
3		-	
4.		 Total Number of Domin Species Across All Stra 	ant ((B)
4	= Total Cover	 Total Number of Domir Species Across All Stra Percent of Dominant S That Are OBL, FACW, 	ant (B) tta: (B) pecies or FAC: (A/B)
4	= Total Cover	Total Number of Domir Species Across All Stra Percent of Dominant S That Are OBL, FACW, Prevalence Index wor	ant (B) Decies or FAC: LOBO (A/B) ksheet:
Sapling/Shrub Stratum (Plot size:) 1	= Total Cover	Total Number of Domin Species Across All Stra Percent of Dominant S That Are OBL, FACW, Prevalence Index wor Total % Cover of:	Ant (B) Decies or FAC: UOBLA (A/B) Ksheet:Multiply by:
4.	= Total Cover	Total Number of Domin Species Across All Stra Percent of Dominant S That Are OBL, FACW, Prevalence Index wor Total % Cover of: OBL species	Image: state stat

Sapling/Shrub Stratum (Plot size:)			That Are OBL, FACW,	or FAC: DOLL	(A/B)
1			Prevalence Index wo	ksheet:	
2			Total % Cover of	Multiply by	•
3			OBL species	<u> </u>	<u> </u>
×			FACW species	x2 =	
·			FAC species	x 3 =	
erh Stratum (Plot size: L' Rad)	=	Total Cover	FACU species	x 4 =	
<u> </u>			UPL species	x 5 =	
Disticulio soicata	100%	* Facw	Column Totals:	(A)	(B)
hordenn jubaten	5%	tos	Prevalence Index	(= B/A =	
·			Hydrophytic Vegetati	on Indicators:	
·			🗶 1 - Rapid Test for	Hydrophytic Vegetatio	า
·	<u></u>		🞽 2 - Dominance Te	st is >50%	
			3 - Prevalence Ind	ex is ≤3.0 ¹	
			4 - Morphological data in Remark	Adaptations ¹ (Provide son a separate she	supporting et)
)			Problematic Hydro	phytic Vegetation ¹ (Ex	plain)
<u>/oody Vine Stratum</u> (Plot size:)	⁼	Total Cover	¹ Indicators of hydric so be present, unless dist	il and wetland hydrolog urbed or problematic.	gy must
•			Hydrophytic		
6 Bare Ground in Herb Stratum	=	Total Cover	Vegetation Present? Ye	s_ _X_ No	_

SOIL

Profile Desc	ription: (Describe	to the dep	oth neede	d to docun	nent the li	ndicator o	or confirm	the absence		')	
Depth	Matrix	0/	Color	<u>Redo</u> (moist)	x Features %	Type ¹	Loc ²	Texture	. <u></u>	Remarks	
(inches)	Color (moist)	70	0000	(. <u></u>				thick	roots	
6-1			<u> </u>	31. 1	In	RUM	M	SCL	Sande	day	y depletro
1-73	7.54896	40%	ल्ला	_/N	1010					· ·	
			<u></u>								
		_ <u></u>							· · · · · · · · · · · · · · · · · · ·		
						<u></u>					
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					. <u></u>	<u> </u>					
								rains ² l c	cation: PI =P	ore Lining. N	I=Matrix.
<u>'Type: C=C</u>	oncentration, D=Dep	pletion, RN		nless offic	rwise not	ed.)		Indicator	s for Problem	atic Hydric	Solls ³ :
Hydric Solt	(AA)		T EIGING, G	Sandy	Gleved Ma	atrix (S4)		1 cm	Muck (A9) (LF	(R I, J	
Histosol Histic Fi	(AT) plpedon (A2)		-	Sandy	Redox (S5	i)		Coas	t Prairie Redo	(A16) (LRR	t F, G, H)
Black H	istic (A3)		-	Strippe	d Matrix (S	56)		Dark	Surface (S7)	(LRR G)	
Hydroge	en Sulfide (A4)		_	Loamy	Mucky Mi	neral (F1)		High	Plains Depres	sions (F16)	
Stratifie	d Layers (A5) (LRR	F)	-	Loamy	Gleyed M	atrix (F2)		(L	RR H outside	of MLRA 72	2 & 73)
1 cm Mi	uck (A9) (LRR F, G,	H)	-	Deplete	ed Matrix (F3)		Redu	Iced Vertic (F1	8) 1 (TE2)	
Deplete	d Below Dark Surfac	ce (A11)	-	Redox	Dark Surfa	ace (F6)	`	Red I	Shallow Dark	surface (TE1	2)
Thick D	ark Surface (A12)		-	Deplete	Doprocolo)	Very Othe	r (Explain in R	emarks)	(2)
Sandy M	Mucky Mineral (ST)	(92) (1 00	<u>сн</u>)	High Pi	ains Depr	essions (F	(16)	³ Indicator	s of hydrophyt	ic vegetation	and
2.5 cm Mi	ucky Peat or Peat (S	(32) (LRR F	· (), ()	(MI	RA 72 &	73 of LRF	RH)	wetla	nd hydrology r	nust be pres	ent,
			,	V			•	unles	s disturbed or	problematic.	
Restrictive	Laver (if present):										
Type:											
Depth (in	iches):							Hydric So	Il Present?	Yes 🕊	No
Remarke'									_		······································
Nemano.											
IYDROLC	GY										
Wetland Hy	drology Indicators	;									
Primary Indi	cators (minimum of	one requir	ed: check	all that app	lγ)			Secon	dary Indicators	(minimum c	f two required)
Surface	Water (A1)	•		Salt Crus	t (B11)				urface Soil Cra	cks (B6)	
High W	ater Table (A2)			Aquatic Ir	vertebrate	es (B13)		Sc	arsely Vegeta	ted Concave	Surface (B8)
¥ Saturati	on (A3)			Hvdroger	Sulfide C	dor (C1)		Dr	ainage Patterr	ns (B10)	
Water N	Aarks (B1)		· · · ·	Drv-Seas	on Water	Table (C2))	O>	kidized Rhizos	pheres on Li	ving Roots (C3)
Sedime	nt Deposits (B2)			Oxidized	Rhizosphe	eres on Liv	, /ing Roots	s (C3)	(where tilled)		
Drift De	posits (B3)			(where	not tilled)		Cr	ayfish Burrows	s (C8)	
Algal M	at or Crust (B4)			Presence	of Reduc	ed Iron (C	4)	Sa	aturation Visibl	e on Aerial Ir	nagery (C9)
lron De	posits (B5)			- Thin Muc	k Surface	(C7)		Ge	eomorphic Pos	ition (D2)	
Inundat	ion Visible on Aerial	Imagery (B7)	Other (Ex	plain in R	emarks)		FA	C-Neutral Tes	t (D5)	
Water-S	Stained Leaves (B9)			- •				Fr	ost-Heave Hur	nmocks (D7)) (LRR F)
Field Obser	vations:										
Surface Wat	er Present?	Yes 🖌	No TI	Depth (ir	tches):						
Water Table	Present?	Yes	No	Depth (ir	nches):						
Saturation P	resent?	Yes Xû	NoSur	hadin	nches):		- Wet	tland Hvdrolo	av Present?	Yes X	No
(Includes ca	pillary fringe)			V		_	_ [· · · · ·	
Describe Re	corded Data (stream	n gauge, n	nonitoring	well, aerial	photos, p	revious Ins	spections)), If available:			
Remarks:	NICALLY N			Imas A	m	And	en ~	Mar 1	6	1. 1. V.	
	min n	and	17' 2	your		u u		Show	peops	word	A
	in root	hone	, ′ м	au	Main	hal	_ ^	march	- L	NL	nk
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Great Plains - Version 2.0

		ORM – Grea	t Plains Re	gion W302BU 00
		Nondian	Co	Campling Data: 7.21.1
Project/Site: KXL pipelene	City/County:	renaung	State: SD	Sampling Point: Wand
	Section Town			NP 361.8
investigator(s): <u>502</u>	Section, Town	iship, ixange		Slope /%/): ()-'
_andform (hillslope, terrace, etc.):	Local relief (c	oncave, convex	(, none):	Siope (%). <u>C</u>
Subregion (LRR):	_8''	Long	J:	Datum:
Soli Map Unit Name:			NWI clas	sification:
Are climatic / hydrologic conditions on the site typical for this time	ne of year? Yes 🛃	No	(If no, explain	n Remarks.)
Are Vegetation <u>No</u> , Soil <u>No</u> , or Hydrology <u>NO</u> s ign	disturbed?	, Are "Norma	I Circumstance	is" present? Yes 😽 No
Are Vegetation <u>No</u> , Soil <u>No</u> , or Hydrology <u>No</u> natur	re / problematic?	d (If needed, i	explain any ans	swers in Remarks)
SUMMARY OF FINDINGS – Attach site man shr	ing sampling	noint la sett		shele in riemana.y
	ing sampling		ons, transed	cts, important features, etc
Hydrophytic Vegetation Present? Yes No	¥ ls the s	Some last A.	_	
Wetland Hydrology Present? Yes No	V within	ampled Area		
Remarks: Yes No	¥		Yes	No
Chigker elevetions	lace tomic	hanne d	1. I	
Soil.		runci g	ng args	infre veg. 1
		Ū		0
EGETATION – Use scientific names of plants.				
Tree Stratum (Plot size:	Dominant Ind	licator Domi	nance Tost we	-1
·) <u>%</u>	<u>Species?</u> St	atus Numb	er of Dominant	Species
·	······	That A	re OBL, FACM	, or FAC
·		(exclu	ding FAC-):	<u> </u>
		Total N	Number of Dom	inant
	= Tatal O	Specie	s Across All St	rata: (B)
apling/Snrub Stratum (Plot size:)	- Total Cover	Percer	nt of Dominant :	Species
·		That A	TE OBL, FACW	, or FAC: (A/B)
		Preval	ence Index wo	orksheet:
			<u>)tal % Cover of:</u>	Multiply by:
				x1=
	· · · · · · · · · · · · · · · · · · ·	FACW	species	x 2 =
erb Stratum (Plot size:)	= Total Cover	FACU	SDecies	X 3 =
		UPL sr	pecies	x 5 =
Ban's L. I		Colum	n Totals:	(A) (B)
Domis tectorum 2000	to k up			- · · · · · · · · · · · · · · · · · · ·
Cheinthe sus10	010	Hydrou	revalence Inde	x = B/A =
Do Smillo -10		1.	- Ranid Test for	Hydrophytic Veretation
		<u>1</u> 2.	Dominance Te	est is >50%
	·	3-	Prevalence In	dex is ≤3.0 ¹
		4 ·	- Morphological	Adaptations ¹ (Provide supporting
	· · · · · · · · · · · · · · · · · · ·		data in Remar	ks or on a separate sheet)
	10 = Total Cover	Pr	oblematic Hydro	opnytic vegetation' (Explain)
11	, -	¹ Indica	itors of hydric se	oil and wetland hydrology must
Voody Vine Stratum (Plot size:)		ho neo	Company and the second state of the second	turbed of problematic.
<u>Voody Vine Stratum</u> (Plot size:)		be pre		
Voody Vine Stratum (Plot size:)		be pres	phytic	
Voody Vine Stratum (Plot size:)	= Total Cover	Line be pres Hydro Vegeta Preser	phytic ation nt? Y	es No

SOIL

W302 BU 001 (cont)

Sampling Point:	_ up	lana
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Depth Matrix Reduce Fedures Testura R grid Color (mole) % Yos Testura R grid Color (mole) % Yos Testura R grid Testura S Loc S Loc grid Testura S Loc S Loc grid Testura S Loc S Loc Yos grid Testura S Loc S Loc Yos S Loc S Loc S Loc S Loc Yos Color (mole) Loc Yos S Loc S Loc Yos Color (mole) Loc S Loc Hutk Loc S Loc S Loc Loc S Loc Hutk Loc S Loc Loc S Loc Hutk Loc Loc <tdl< th=""><th>1</th></tdl<>	1
dirches) Coort (mobil) So Local (mobil) Nucle Local (mobil) g-1* Junce Junce Junce Junce Junce g-1* Junce Junce Junce Junce Junce g-1* Junce Junce Junce Junce Junce g-1* Junce Junce Junce Junce Junce Junce g-1* Junce	Remarks
b-1 Area Area Subsection ymp:: C=Concentration, D=Depletion, RM=Rubued Matrix, CS=Covered or Coated Sand Grains. *Location:: PL=Pere Hydric Soll Indicators: (Applicable to all LRRs, unkers otherwise noted.) Indicators for Problematin Histic Epidenki (A2) Sandy Redex (S1) Coast Prainte Redox (S1) Bistic Epidenki (A2) Sandy Redex (S1) Coast Prainte Redox (S1) Stratified Layers (A3) (LRR F) Immy Mucky Minerai (F1) High Plains Depression Stratified Layers (A3) (LRR F) Immy Mucky Minerai (F3) Reduced Variat (F16) Depleted Bow Derk Surface (A12) Imideators (F3) Reduced Variat (F16) Sandy Mucky Minerai (S1) Immy Mucky Minerai (S1) Vary Shallow Dark Surface (F6) Red Parent Materiai (T17) Sandy Mucky Minerai (S1) Immy Mucky Minerai (S1) Immy Mucky Minerai (S1) Vary Shallow Dark Surface (F6) There (Explain in Remo Sandy Mucky Minerai (S1) Immy Mucky Minerai (S1) Immy Mucky Minerai (S1) Immediators of Mydrophydic wide wide Minerai (S1) There (Explain in Remo Sandy Mucky Minerai (S1) Immy Mucky Minerai (S1) Surface Soll Cracks (S1) Depleted Math (C13) Surface Soll Cracks (Minerai (S1) Surface Soll Cracks (Minerai (S1)	Den 7
Yes: C=Concentration, D=Depietion, RM=Reduces Antik, CS=Covered or Costed Sand Grains. *1.0ostion: PL=Pere Type: C=Concentration, D=Depietion, RM=Reduces Antik, CS=Covered or Costed Sand Grains. *1.0ostion: PL=Pere Hydric Soll Indicators: (Applicable to all LRRs, unless stiturwise noted) Indicators for Problematil Histosol (A1) Sandy Cleadwark (S5) Coast Praint Redux (A2) Black Histic (A3) Stripped Matrix (S5) Dark Surface (S7) (LR F) Hydrogen Sulface (A4) L on Musky Mineral (F1) High Plans Depression Stripped Matrix (S5) Dark Surface (S7) (LR F) Lenny Musky Mineral (F1) High Plans Depressions (F6) Depleted Below Dark Surface (A11) no Nack Surface (F7) Very Shallow Dark Surface (S2) (LR F) Intel Dark Surface (F7) Wery Shallow Dark Surface (F7) 2.5 om Musky Peat or Peat (S2) (LR F) Intel Dark Surface (F7) Wery Shallow Dark Surface (F7) Wery Shallow Dark Surface (F7) 2.5 om Musky Peat or Peat (S2) (LR F) Intel Dark Surface (F7) Wery Shallow Dark Surface (F7) Wery Shallow Dark Surface (F7) 2.5 om Musky Peat or Peat (S2) (LR F) Intel Dark Surface (F7) Werked Hydrology Indicators of hydrophytic ward Hydrology Indicators of hydrophytic wards (F8) Dark Explaints YDROLOCY Satration (F1) Sark Cale (F7) Dark Exp	1.0015
"Type: C=Concentration, D=Depletion, RM=Roduces Matrix, CS=Coversed or Coated Sand Grains. *Location: PL=Pore "Type: C=Concentration, D=Depletion, RM=Roduces Addrewise noted.) Indicators for Problematin Histospi(A1) Sandy Redex (S5) Coast Prainie Redox (A) Histospi(A2) Sandy Redex (S5) Coast Prainie Redox (A) Straffied Layer (A5) (LRR F) Linmy Mucky Mineral (F1) High Plane Depression Straffied Layer (A5) (LRR F) Linmy Mucky Mineral (F1) High Plane Depression Straffied Layer (A5) (LRR F) Linmy Gleged Matrix (F2) (LRR H outside Of 1 on Muck (A9) (LRR F, G, H) Check Matrix (F2) (LRR H outside Of 1 on Muck (A9) (LRR F, G, H) Check Matrix (F2) (LRR H outside Of 1 on Muck (A9) (LRR F, G, H) Check Matrix (F2) (LRR H outside Of 1 on Muck (A9) (LRR F) Check Matrix (F2) (LRR H outside Of 2 on Post Raw Matrix (F1) <	
Type: C=Concentration, D=Depletion, RM=Pectucus: Matrix, CS=Covered or Coated Sand Grains. *Location: PL=Pere Type: C=Concentration, D=Depletion, RM=Pectucus: Matrix, CS=Covered or Coated Sand Grains. *Location: Problematin Type: C=Concentration, D=Depletion, RM=Pectucus: Matrix, CS=Covered or Coated Sand Grains. *Locatifier and Matrix, CS) Indicators for Problematin Histos (LA) Sandy Cdeyed Matrix, (S3) Coast Paritie Redox, (A Black Hister, (A2) Sandy Redox (S5) Coast Paritie Redox, (A Stratified Layer, (A5) (LRF, P., H) Charly of Matrix, (S3) Reduced Vartic (F16) Depleted Below Dark Surface (A11) Cm Contrast Surface (F7) Vert Shallow Dark Surface (F7) Vert Shallow Dark Matrix (T Sandy Mucky Mineral (S1) Charles Depressions (F16) The Charles Austrian (F7) Vert Shallow Dark Surface (F7)	
Type:: C=Concentration, D=Depletion, RM=Pertures: Matrix, CS=Covered or Coated Sand Grains. *Location:: PL=Pere type: C=Concentration, D=Depletion, RM=Pertures: CS=Covered or Coated Sand Grains. *Location:: PL=Pere type: C=Concentration, D=Depletion, RM=Pertures: CS=Covered or Coated Sand Grains. *Location:: PL=Pere type: CS=Covered or Coated Sand Grains. *Location CS=Covered Material (CS) Cocation:: PL=Pere type: CS=Covered Material (CS) Cocation:: PL=Pere type: CS: CS: CS: CS: CS: CS: CS: CS:	
Type: C=Concentration, D=Depeletion, RM=Factured: Matrix, CS=Covered or Coaled Sand Grains. A coallon: PL=Pore indicators for Problematin indicators (Applicable to all LRRs, unless charvise noted.) Indicators (Applicable to all LRRs, unless charvise noted.) Histos (IA1)	
Type: C=Cancentration, D=Depletion, RM=Roduced Multik, CS=Covered of Coated Sand Grains. ¹ Location: PL=Pore Type: C=Cancentration, D=Depletion, RM=Roduced Multik, CS=Covered of Coated Sand Grains. ¹ Location: PL=Pore Histosol (A1) Sandy Redox (S5) Indicators: (Applicable to all LRRs, unless othorwise noted.) Histosol (A1) Sandy Redox (S5) Coast Praine Redox (A Black Histic (A3) Shripped Multik (S6) Dark Sutratos (S7) (LR Hydrogen Sulfide (A4) Commy Gleyed Multik (F2) (RR H outside OF) Strafilde Layers (A5) (LRR F) Lormy Gleyed Multik (F2) Reduced Verlic (F1) Depleted Bolow Dark Surface (A11) D ox Idea Multik (F2) Reduced Verlic (F1) Sandy Mucky Mineral (S1) P nox Depressions (F16) Other (Explain in Rema 2.5 cm Mucky Peat or Peat (S2) (LPR F) P inticators (F1) Som Mucky Peat or Peat (S2) (LPR F) (MLRA 72 & 73 of LRR H) wetland hydrology multicators frm Startac Waler (A1) Soft and Waler Table (A2) Arm to Invertebrates (B13) Sparsely Vogetated 0 Sufface Water (A1) Soft and Water Table (C2) Oxifice Origon Trabines on Living Roots (C3) (where tilled) Sufface Water (A1) Soft and Water Table (C2) Oxiface Robines Aneree (F1) Din Rise Robines	
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. 1, contion: PL=Pore Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. 1, continue (A) Histos Eliphedon (A2) Sandy Cleyed Matrix (S4) 1, contix (A) Histos Eliphedon (A2) Sandy Redex (S5) Dark Surface (S7) (LR Hydrogen Suifide (A4) Lorm (Mucky Mineral (F1) High Eliphedon (A2) Stratified Layers (A5) (LRR F) Lorm (Selded Matrix (F2) (RR H outside of 1 cm Mucky Mineral (F1) Depleted Bolow Dark Surface (A11) Crost Surface (F6) Red Parent Material (T Thick Dark Surface (A12) Lore (A) Clear Surface (F7) Very Shallow Dark Surface (A12) Lore (A) Clear Surface (F7) Storm Mucky Mineral (S1) Crost Depressions (F6) Thick Dark Surface (A12) Lore (A) Clear Surface (F7) Storm Mucky Peat or Peat (S2) (LPR F) (MLRA 72 & 73 of LRR H) Wetland hydrology mus unless disturbed or pro unless	
Type:: O=Concentration, D=Depletion, RM=Freduced Matrix, CS=Covered or Coated Sand Grains. ¹ Location: PL=Pore Hydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematin Histos (A1) Sandy Redox (S5) Coast Problematin Histos (A1) Sandy Redox (S5) Coast Priorite Redox (A2) Black Histic (A3) Stripped Matrix (S6) Dark Surface (A7) Stratified Layers (A4) (LRR F) Loremy Glayed Matrix (F2) (RR H dustate G7) Term Muck (A9) (LRR F, G, H) D ented Matrix (F2) (RR H dustate G7) Depleted Below Dark Surface (A11) frow Dark Surface (F6) Reduced Varit (F1) Sandy Mucky Mineral (S1) frow Dark Surface (F7) Vary Shallow Dark Sur 2.5 cm Mucky Peat or Peat (S2) (LRR F) (MLR A 72 & 73 of LRR H) unless disturbed or pro Sandy Mucky Mineral (S1) Sci. *ust (B11) Surface Soll Cracks YDROLOGY Wetland Hydrology Indicators: Propeolits (B3) Sparsely Vegetated YDROLOGY Secondary Indicators: Pro Oxidica C1) Surface Soll Cracks YDROLOGY Wetland Hydrology Indicators	
Type: C-Concentration, D=Depletion, RM=Reduced Mutrix, CS=Covered or Coated Sand Grains. *Location: PL=Pore Hydric Soll Indicators: (Applicable to all LRRs, incless otherwise noted.) Indicators for Problematic Histosol (A1) Sandy Oleyed Matrix (S4) 1 cm Muck (A9) (LRR 1) Black Histic (A3) Stripped Matrix (S5) Coast Prointe Redox (A Black Histic (A3) Stripped Matrix (S5) Coast Prointe Redox (A Stratified Layers (A5) (LRR F) Line my Gleyed Matrix (F2) (LRR H outside of CF) 1 cm Muck (A9) (LRR F, G, H) D aleted Matrix (F3) Reduced Verif (F18) Depleted Below Dark Surface (A11) Thick Dark Surface (F2) VarR H outside of CF) Vary Shallow Dark Surface (F3) 2.5 cm Mucky Peat or Peat (S2) (LDR C P lains Depressions (F16) *Indicators of hydrophytic w *Indicators of hydrophytic w S cm Mucky Peat or Peat (S2) (LDR C YBC YBC YBC YBC Ypre: Deplete Indicators: YBC YBC YBC YBC Ypre: Deplete Indicators: YBC YBC YBC YBC Ypre: Deplete Indicators: YBC YBC YBC YBC Ypre: Deplete In	
Hydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Histic Eppadon (A2) Sandy Redox (S5) Coast Prints Redox (A Black Histic (A3) Stripped Matrix (S6) Dark Surface (S7) (LR Hydrogen Sulfide (A4) to my Mucky Mineral (F1) High Plains Depression Thick Dark Surface (A12) to my Mucky Mineral (F1) High Plains Depressions (F6) Depleted Bolow Dark Surface (A11) to abrk Surface (F7) Vary Shallow Dark Surface (F7) Stard Mucky Peat or Peat (S2) (LBR F) Pix Depressions (F8) Officiators of Mydrophytic w Stard Mucky Peat or Peat (S2) (LBR F) (MLRA 72 & 73 of LRR H) wetland hydrology mus Logd Mucky Peat or Peat (S3) (LBR F) (MLRA 72 & 73 of LRR H) wetland hydrology mus Striker (A11) Start Studies (B11) Surface Soll Ark Surface (F7) Vary Shallow Dark Surface (F8) Start Mucky Peat or Peat (S3) (LBR F) (MLRA 72 & 73 of LRR H) wetland hydrology mus unless disturbed or pro Start Mucky Peat or Peat (S3) (LBR F) (MLRA 72 & 73 of LRR H) Surface Relax (Mineral (F1) Surface Soll Oracks (F1) Start Mucky Peat or Peat (S3) Saturatice Pixessions (F16) Saturatice (F7) Saturatice (F7) Start Muck (A1) <td>e Lining, M=Matrix.</td>	e Lining, M=Matrix.
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Hydrogen Sulfde (A4) toomy Mucky Mineral (F1) High Plains Depression Stratified Layers (A5) (LRR F) toomy Gleyod Matrix (F2) (LRR H outside of toomy Gleyod Matrix (F2) 1 cm Muck (A9) (LRR F, G, H) Deleted Matrix (F3) Reduced Vertic (F16) 2 Sendy Mucky Mineral (S1) C fox Dark Surface (F7) Very Shallow Dark Surface (F7) 2 Sendy Mucky Mineral (S1) C fox Depressions (F6) C for Cyclic (Explain in Remit 2.5 cm Mucky Peat or Peat (S2) (LRR C ft) 2 Sendy Mucky Mineral (S1) C fox Depressions (F16) Indicators of hydrophytic wulland hydrology mus unless disturbed or pro 2.5 cm Mucky Peat or Peat (S3) (LRR C ft) Plains Depressions (F16) Indicators of hydrophytic wulland hydrology mus unless disturbed or pro 2.5 cm Mucky Peat or Peat (S3) (LRR C ft) YBROLOGY Hydric Soll Present? Yet Ype:	RR G)
Statified Layers (A6) (LRR F) Inormy Gleyed Matrix (F2) (LRR H outside of the nutside of the nu	ons (F16)
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Inter Dark Surface (A12)	(TF2)
2.5 cm Mucky Mitter a (51) 2.5 cm Mucky Peat or Peat (S2) (LER F) * Plains Depressions (F6) * Indicators of Hydrophytic with and Hydrology mus unless disturbed or pro 2.5 cm Mucky Peat or Peat (S2) (LER F) * MLRA 72 & 73 of LRR H) * wetland hydrology mus unless disturbed or pro Restrictive Layer (if present): * Type: * Hydric Soll Present? Yeins Depth (inches): * Hydric Soll Present? Yeins Yeins Metiand Hydrology Indicators: * Hydric Soll Present? Yeins YDROLOGY Secondary Indicators: * Hydric Soll Present? Yeins Sufface Water (A1) Solit Solit (B1) Sufface Soli Cracks Secondary Indicators (minimum of one required; check all the tapply) Secondary Indicators (minimum of one required; check all the tapply) Saturation (A3) * ions Sufface Odor (C1) Drainage Patterns (B Sufface Odor (C1) Drainage Patterns (B Water Marks (B1) * ason Water Table (C2) Oxidized Rhizospheres on Living Roots (C3) (where tilled) Crayfish Burrows (CE) Agal Mat or Crust (B4) * are of Reduced Iron (C4) Saturation Visible on Aerial Image ry (* * * * * * * * * * * * * * * * * * *	Inface (TF12)
Som Mucky Peat of Peat (S2) (LBR P) Indicators of Hydrophytic With RA 72 & 73 of LRR H) Indicators of Hydrophytic With RA 72 & 73 of LRR H) Restrictive Layer (If present): Type: Hydric Soil Present? Hydric Soil Present? Yes Depth (Inches): Hydric Soil Present? Hydric Soil Present? Yes Remarks: Primary Indicators (Intimum of one required; sheek all the 'npply) Secondary Indicators (Intimum of one required; sheek all the 'npply) Surface Water (A1) Sal. :rust (B11) Surface Soil Cracks (Internet internet in	variation and
a som meny reaction real (co) (ank r) Intervention real (co) (ank r) Intervention real (co) (ank r) Restrictive Layer (if present): Type:	vegetation and
Restrictive Layer (if present): Type:	rohlematic
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