WINTHAN WERENA MOT

WETLAND DETERMINATION DATA FORM – Great Plains Region

Project/Site: KXL Phase II	_ City/County:	County Sampling	Date: 5/17/10
Applicant/Owner: Transformade - TROW - RKC Phase DR		State: Sampling	Point: 104/14001
Investigator(s): B i 0 4	_ Section, Township, Range: _	54 30 22N 26	
Landform (hillstope, terrace, etc.):	_ Local relief (concave, conve	x, none): <u> </u>	Slope (%):0` Lo
Subregion (LRR): Lat:	Lon	g:	_ Datum:
Soil Map Unit Name:////		NWI classification:	NA
Are climatic / hydrologic conditions on the site typical for this time of	year? Yes <u>X</u> No	(If no, explain in Remarks.)	
Are Vegetation $\underline{\Lambda}^{\mathfrak{d}}$, Soil $\underline{\Lambda}^{\mathfrak{d}}$, or Hydrology $\underline{\Lambda}^{\mathfrak{d}}$ significant	tly disturbed? Are "Norm	al Circumstances" present?	Yes X No
Are Vegetation 1^{9} Soil A^{2} or Hydrology Λ^{9} naturally r	problematic? (If needed	explain any answers in Rema	arks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X No Yes X No Yes X No	Is the Sampled Area within a Wetland?	Yes <u>X</u> No
			part to recent heavy rainfall.
without area is	esses in Row with	ridor, heacas	connected to a longer

VEGETATION – Use scientific names of plants.

	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	<u>% Cover Species? Status</u>	Number of Dominant Species
1		That Are OBL, FACW, or FAC
2		(excluding FAC-): (A)
3		Total Number of Dominant
4		Species Across All Strata: (B)
T	= Total Cover	
Sapling/Shrub Stratum (Plot size:)		Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
1		
2		Prevalence Index worksheet:
		Total % Cover of:Multiply by:
3		OBL species x 1 =
4		FACW species x 2 =
5		FAC species x 3 =
Herb Stratum (Plot size:)	= Total Cover	FACU species x 4 =
1 Juneus Baltions	70% Yei OBL	UPL species x 5 =
		Column Totals: (A) (B)
2		
3		Prevalence Index = B/A =
4		Hydrophytic Vegetation Indicators:
5		<u> </u>
6		2 - Dominance Test is >50%
7		3 - Prevalence Index is ≤3.0 ¹
8		4 - Morphological Adaptations ¹ (Provide supporting
9		data in Remarks or on a separate sheet)
10		Problematic Hydrophytic Vegetation ¹ (Explain)
	<u> つびん</u> = Total Cover	
Woody Vine Stratum (Plot size:)		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1		
2		Hydrophytic
% Bare Ground in Herb Stratum	= Total Cover	Vegetation Present? Yes X No
Remarks: Area was immediated.		
After why inundated.		

SOIL

....

Profile Desc	Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)										
Depth	Mat				x Features						
(inches)	Color (mois			r (moist)	%	Type ¹	_Loc ²		Remarks		
<u> </u>	10 y? "	4/1 851	10 75		15%		M	SEC			
3 15	10 yr 31	12 900	10 10 4.	r 4/,	10:10	۲	m	SILC			
·											
	oncentration, D						ed Sand G		ocation: PL=Pore Lining, M=Matrix.		
Hydric Soil	Indicators: (A	pplicable to	all LRRs, I	inless othe	rwise note	ed.)		Indicator	s for Problematic Hydric Soils ³ :		
Histosol	· /			Sandy					Muck (A9) (LRR I, J)		
	pipedon (A2)				Redox (S5)				Coast Prairie Redox (A16) (LRR F, G, H)		
	istic (A3)				d Matrix (S	-			Dark Surface (S7) (LRR G) High Plains Depressions (F16)		
	en Sulfide (A4) d Layers (A5) (L	RR F)		<u>X</u> Loamy	Gleyed Ma			_	RR H outside of MLRA 72 & 73)		
	uck (A9) (LRR F	,			ed Matrix (F				uced Vertic (F18)		
	d Below Dark S				Dark Surfa				Parent Material (TF2)		
	ark Surface (A1				ed Dark Su)		Shallow Dark Surface (TF12)		
	Mucky Mineral (,			Depression				Other (Explain in Remarks)		
	Mucky Peat or F				lains Depre L RA 72 & 7				s of hydrophytic vegetation and nd hydrology must be present,		
5 CM W	ucky Peat or Pe	at (55) (LRP	(F)	(141		3 01 LKr	СП)		ss disturbed or problematic.		
Restrictive	Layer (if prese	ent):									
	NA										
1	nches):							Hydric So	oil Present? Yes <u>X</u> No		
Remarks:											
HYDROLO				_				_			
1	ydrology Indica							0	() () () () () () () () () ()		
	icators (minimu	m of one req	uired; chec						dary Indicators (minimum of two required)		
	e Water (A1)		-	Salt Crus		(040)			urface Soil Cracks (B6)		
	<u>×</u> High Water Table (A2) Aquatic Invertebrates (B13)					parsely Vegetated Concave Surface (B8) rainage Patterns (B10)					
				xidized Rhizospheres on Living Roots (C3)							
							(where tilled)				
	ent Deposits (B3)	2)	-		not tilled		ving root	()	rayfish Burrows (C8)		
	fat or Crust (B4)		•	e of Reduc		(4)		aturation Visible on Aerial Imagery (C9)		
	eposits (B5)	,	-		ck Surface		,		eomorphic Position (D2)		
	tion Visible on A	Aerial Imager	y (B7)		xplain in R			F	AC-Neutral Test (D5)		
	Stained Leaves							F	rost-Heave Hummocks (D7) (LRR F)		
Field Obse											
Surface Wa	ater Present?	Yes)	No	Depth (inches):	3.0"					
Water Tabl	e Present?	Yes)	No	Depth (inches):	0.0					
Saturation	Present?	Yes	No	Depth (inches):	15.0"	We	etiand Hydrol	ogy Present? Yes \underline{X} No		
(includes capillary fringe)											
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:											
Demoile						,		1	i henry content		
Remarks:	Inundatio	and	satu	ration /	luce in	lag	pst	f" 18ce	at heavy raintall.		