WETLAND DETERMINATIO	ON DATA FORM - Great Plains Region upland
Project/Site: KeyStone XL - Phase JT	We county: Meade County Sampling Date: 10/30/10
Applicant/Owner: TransCanaela - Trow -KKL	State: Sp Sampling Point: WS00ME.001
Investigator(s): <u>B500</u>	Section, Township, Range: <u>T7N RIFE Sec7</u>
Landform (hillslope, terrace, etc.): NA	Local relief (concave, convex, none): Slope (%):
Subregion (LRR): Western Great Plans Lat:	Long: Datum:
Soil Map Unit Name:	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of y	ear? Yes _ K No (If no, explain in Remarks.)
Are Vegetation $\underline{\mathcal{N}}$, Soil $\underline{\mathcal{N}}$, or Hydrology $\underline{\mathcal{V}}$ significantly	y disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally pr	oblematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes NoX Hydric Soil Present? Yes NoX Wetland Hydrology Present? Yes NoX	Is the Sampled Area within a Wetland? Yes No
Remarks: Posture/Cattle	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size:) 1	Absolute Dominant Indicator <u>% Cover</u> Species? Status 	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC (excluding FAC-): Total Number of Dominant Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
2	= Total Cover 35 <u>Y</u> <u>NI</u> 20% <u>Y</u> <u>NI</u> 10% <u>N</u> <u>NI</u> 15% <u>N</u> <u>MI</u> 	Prevalence Index worksheet:
8	80% = Total Cover = Total Cover	 3 - Prevalence Index is ≤3.0' 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Present? Yes No

US Army Corps of Engineers

SOIL

Sampling Point: WSOCMEOCI

Depth Matrix	Color (moist) % Tupo ¹ Loo ²	- Texture	Remarks
$(1-q)^{\vee}$ Love 2/2		<u> </u>	Nethanks
0-8 101× -12 100		- Sici _	
8-12 104K312 100		<u> </u>	
ype: C=Concentration, D=Depletion, RM=Re ydric Soil Indicators: (Applicable to all LR Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) (LRR F) 1 cm Muck (A9) (LRR F, G, H) Depleted Below Dark Surface (A11) Thick Dark Surface (A12)	educed Matrix, CS=Covered or Coated Sand Rs, unless otherwise noted.) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F1) Loamy Gleyed Matrix (F2) Depleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F7)	Grains. ² Location Indicators for 1 cm Muck 1 cm Muck Dark Surfa Dark Surfa Dark Surfa High Plains Reduced V Red Paren Very Shallo	n: PL=Pore Lining, M=Matrix. Problematic Hydric Soils ³ : (A9) (LRR I, J) ie Redox (A16) (LRR F, G, H) ce (S7) (LRR G) 5 Depressions (F16) outside of MLRA 72 & 73) lertic (F18) t Material (TF2) ow Dark Surface (TF12)
 Sandy Mucky Mineral (S1) 2.5 cm Mucky Peat or Peat (S2) (LRR G, F) 5 cm Mucky Peat or Peat (S3) (LRR F) 	 Redox Depressions (F8) High Plains Depressions (F16) (MLRA 72 & 73 of LRR H) 	Other (Exp Indicators of h wetland hy	lain in Remarks) ydrophytic vegetation and drology must be present, urbed or problematic
Type: Depth (inches):		Hydric Soil Pre	sent? Yes No A
Type: Depth (inches): Remarks:	_	Hydric Soil Pre	sent? Yes No A
Type: Depth (inches): Remarks:		Hydric Soil Pre	sent? Yes No X
Type:		Hydric Soil Pre	sent? Yes No X
Type: Depth (inches): Remarks: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; of	check all that apply)	Hydric Soil Pre	sent? Yes No X
Type:	check all that apply) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Dry-Season Water Table (C2) Oxidized Rhizospheres on Living Ro (where not tilled) Presence of Reduced Iron (C4) Thin Muck Surface (C7) Other (Explain in Remarks)	Hydric Soil Pre	sent? Yes No A ndicators (minimum of two required Soil Cracks (B6) y Vegetated Concave Surface (B8) re Patterns (B10) d Rhizospheres on Living Roots (Car tilled) n Burrows (C8) on Visible on Aerial Imagery (C9) rphic Position (D2) eutral Test (D5) eave Hummocks (D7) (LRR F)
Type:	check all that apply) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Dry-Season Water Table (C2) Oxidized Rhizospheres on Living Ro (where not tilled) Presence of Reduced Iron (C4) Thin Muck Surface (C7) Other (Explain in Remarks)	Hydric Soil Pre	sent? Yes No A
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Type:	check all that apply)	Hydric Soil Pre	sent? Yes No A