+ WETLAND PLOT WETLAND DETERMINATION DATA FORM - Great Plains Region Project/Site: KXL - PNASE IX City/County: TRIP COUNTY Sampling Date: 6/7/11 Applicant/Owner: Transcariaba - KXL State: SD Sampling Point: W275T12001 Section, Township, Range: \_\_\_\_\_ Landform (hillstone terrace etc.): HILL SLOPC Local relief (concave, convex none): CONCAVE Stone (%): 3

andiom (missiope, terrace, etc.).	-	•		
Subregion (LRR): Western Great Plain	N5 Lat:		_ Long: Datum:	
Soil Map Unit Name:	<u> </u>		NWI classification:	
Are climatic / hydrologic conditions on the site typical for	this time of year? `	Yes No _	(if no, explain in Remarks.)	
Are Vegetation, Soil, or Hydrology	_significantly distu	rbed? Are	"Normal Circumstances" present? Yes N	lo
Are Vegetation <u>V</u> , Soil <u>N</u> , or Hydrology <u>N</u>	naturally problem	atic? (If n	eeded, explain any answers in Remarks.)	
		•		
SUMMARY OF FINDINGS – Attach site ma	p showing sar	npling point i	ocations, transects, important feature	s, etc.
Hydrophytic Vegetation Present?	No			
Hydric Soil Present? Yes	No	Is the Sample	,	
· ————	No	within a Wetla	nd? Yes V No No	
Remarks:				
- SURROUNDING ZAGO IS	MIXCO	CRUSSLA	ND USED FOR PASTURE	
		<u> </u>		
/EGETATION – Use scientific names of pla	ants.			
-		minant Indicator	Dominance Test worksheet:	
	<u>% Cover</u> Spe	cles? Status	Number of Dominant Species	
1. Saciy/Willows			That Are OBL, FACW, or FAC (excluding FAC-):	(A)
2			(excluding ( AG ).	(^)
3			Total Number of Dominant Species Across All Strata:	(D)
4			Species Across All Strata.	(B)
Sapling/Shrub Stratum (Plot size:)	= 10	tal Cover	Percent of Dominant Species	(A (D)
1	i		That Are OBL, FACW, or FAC:	(A/B)
2			Prevalence Index worksheet:	
3.			Total % Cover of: Multiply by:	
4			OBL species x 1 =	_
5			FACW species x 2 =	_
		tal Cover	FAC species x3 =	_
Herb Stratum (Plot size:)			FACU species x 4 =	_
1. Carry St/ Serges	10 _		UPL species x 5 =	_
2. JUNIOS FORMETI RUCH	<u>- 42 _ 1</u>	000	Column Totals: (A)	_ (B)
3	<del> </del>		Decualement Index - D/A	
	<u> </u>		Prevalence Index = B/A =	
5	<del> </del>		1 - Rapid Test for Hydrophytic Vegetation	
6	<u> </u>		2 - Dominance Test Is >50%	
7	<del></del>		3 - Prevalence Index is ≤3.0¹	
8	<del></del>		4 - Morphological Adaptations <sup>1</sup> (Provide sup	norting
9	<del> </del>		data in Remarks or on a separate sheet)	porting
10	<del>-</del>		Problematic Hydrophytic Vegetation¹ (Explai	in)
Woody Vine Stratum (Plot size: ∨ A )	_ <u>55</u> = Tot	al Cover	Indicators of hydric soil and wetland hydrology n	munt
1			be present, unless disturbed or problematic.	nust
2		_	11-1-1-1	
		tal Cover	Hydrophytic Vegetation	
% Bare Ground in Herb Stratum	= 100	ai 00v8i	Present? Yes No No No	
Remarks:				
* Puoto W275TROOI	Day lat	_	CMEILGENT PLZNTS	
W 2/2/2/600   1	$\Gamma \hookrightarrow \gamma$			
S Army Corns of Fnoineers			Great Plains - Version	on 2 0

SOIL					Sampling Point:		
Profile Description: (Describe to the depth	needed to docume	nt the Indicator	or confirm	the absence of	ndicators.)		
Depth Matrix	Redox	Features					
(inches) Color (moist) %	Color (moist)	% Type	_Loc <sup>2</sup>	Texture	Remarks		
0-4 10 YR 4/3 100							
4-10 10404/2 90	10 TR 4/4	2 C	F-1				
10-18 10 m -1/1 95	10 YR 4/10		1~1				
	-1/0						
				<del></del>			
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=R	laduacid Matrix CS-	Covered or Cost	od Sand Gr	raine <sup>2</sup> Locatio	on: PL=Pore Lining, M=Matrix.		
Hydric Soil Indicators: (Applicable to all Li			eu Sariu Gi		Problematic Hydric Soils <sup>3</sup> :		
Histosol (A1)	· 1	eyed Matrix (S4)			•		
Histic Epipedon (A2)	Sandy Re			1 cm Muck (A9) (LRR I, J) Coast Prairie Redox (A16) (LRR F, G, H)			
Black Histic (A3)		Matrix (S6)		Dark Surface (S7) (LRR G)			
Hydrogen Sulfide (A4)		ucky Mineral (F1)		High Plains Depressions (F16)			
Stratified Layers (A5) (LRR F)	Loamy Gl	eyed Matrix (F2)		(LRR H outside of MLRA 72 & 73)			
1 cm Muck (A9) (LRR F, G, H)		Matrix (F3)		Reduced Vertic (F18)			
Depleted Below Dark Surface (A11)		rk Surface (F6)		Red Parent Material (TF2)			
Thick Dark Surface (A12)		Dark Surface (F7	)		Very Shallow Dark Surface (TF12)		
Sandy Mucky Mineral (S1) 2.5 cm Mucky Peat or Peat (S2) (LRR G,		pressions (F8) ns Depressions (i	16)	Other (Explain in Remarks)  3Indicators of hydrophytic vegetation and			
5 cm Mucky Peat or Peat (S3) (LRR F)		A 72 & 73 of LR	•		drology must be present,		
	(		,	-	turbed or problematic.		
Restrictive Layer (if present):					<del></del>		
Туре:	_				,		
Depth (inches):				Hydric Soll Pre	esent? Yes X No		
Remarks:							
Remarks: Caturated							
HYDROLOGY							
Wetland Hydrology Indicators:							
Primary Indicators (minimum of one required:	check all that apply)			Secondary !	ndicators (minimum of two required)		
Surface Water (A1)	Salt Crust (E	311)		Surface	Soil Cracks (B6)		
High Water Table (A2)		rtebrates (B13)		Sparse	y Vegetated Concave Surface (B8)		
Saturation (A3)		ulfide Odor (C1)		Drainag	e Patterns (B10)		
Water Marks (B1)	•	Water Table (C2	•		d Rhizospheres on Living Roots (C3		
Sediment Deposits (B2)		izospheres on Li	ving Roots	(C3) (whe	e tilled)		
Drift Deposits (B3)	(where no	•			n Burrows (C8)		
Algal Mat or Crust (B4)		Reduced Iron (C	4)		ion Visible on Aerial Imagery (C9)		
Iron Deposits (B5)	Thin Muck S	, ,			rphic Position (D2)		
Inundation Visible on Aerial Imagery (B7)	Other (Expla	ain in Remarks)			eutral Test (D5)		
Water-Stained Leaves (B9)				Frost-H	eave Hummocks (D7) (LRR F)		
Field Observations:		, \					
Surface Water Present? Yes X							
Water Table Present? Yes X N					,		
	o Depth (incl	nes): <u> </u>	Wet	land Hydrology P	resent? Yes 🔀 No		
(includes capillary fringe)  Describe Recorded Data (stream gauge, mon	itoring well serial of	notos previous ir	spections)	if available:			
= = 35 Novikuod Data (Siream gauge, mon	moning won, actial pi	ioros, brevious il	iopeciiona),	, ii availabi <del>e</del> .			
Remarks:				<del></del>			