SITE INFORMATION

The site is in the Kleberg County, South Texas. The slope is 3%. The area is dominated by shrubs such as Brazilian blue wood, forbs, annuals, Kleberg's bluestem, and spiny hackberry. The elevation is ~210 ft.

LANDFORM

3% sloping of clay dune on sand sheet. The geomorphic setting is on a clay dune on a sand sheet on inland dissected coastal plain.

HILLSLOPE POSITION



SOIL MOISTURE AND TEMPERATURE REGIMES

Soil moisture regime is ustic and soil temperature regime is hyperthermic.

SOIL PIT INFORMATION

The soils in the areas are sandy eolian deposits derived from the sedimentary rock over loamy alluvium. The texture varies with depth. Clay films were not present throughout the profile. The Effervescence was strong to very strong on lower 5th and 6th horizons. Redox features were not present. The soils in the area are slightly alkaline. Visible secondary carbonate masses are present in the 5th (4%) and 6th horizon (25%).

CHARACTERIZATION DATA

Horizon	рН	BS (%)	OC (%)	CCE	SAR
1	7.7	97	0.8	-	-
2	7.2	100	0.6	-	-
3	7.1	100	0.4	-	-
4	7.6	100	0.2	-	-
5	8.5	100	0.1	9	-
6	8.4	100	0.1	15	-

SITE IMAGE



PROFILE IMAGE





SCORECARD

SCORECARD VIRTUAL NATIONAL SOIL JUDGING CONTEST APRIL 5-16, 2021

1.	
2.	
3.	
4.	
5	
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Contestant:	0	_
School:	PRACTICE	
Pedon Number:	Ø5	

	Horizonation Boundary Texture Color							Structure Co		Cons.	Cons. Soil Features			Score							
	Horizo	nation		Bour	idary			Tex	ture		,		Color		Stru	cture	Cons.	Cons. Soil reatures		es	Scor
Ma	ster	Sub.	No.	Dep.	D'.	Sand	Silt	Clay (%)	CF	CF	Class	Hue	Value	Chr	Grade	Chana	Moist	Red	dox	T.CC	(25)
Pre. (5)	Let. (5)	(5)	(5)	(cm)	Dist.	(%)	(%)	(5)	(%)	mod. (5)	(5)	Hue	value	Chr.	Grade	Shape	Strength	Depl.	Conc	Eff.	(35)
				15	\mathcal{C}	84	10		-			10 7R	3	2	1	Sok	FR)	_	
				40	E	81	9		_			10 YR	2	1	2	SOL	FR	_)	1	
				65	C	75	9		l			10 4R	3	2	2	SBK	FR	_	^	_	
				100	С	75	9		λ			10 YR	4	3	2	5BK	FR	-	_	_	
				145	С	66	13		5			10 YR	4	T	2	SBK	FI	-	-	ST	
				200 f	-	56	21		5			10 YR	5	4	2	ABK	EFI	_	-	V	

2. Soil Profile Characteristi	cs								Score:	
Hydraulic Conductivity	(U	ading Rate 75 cm (5)	E	Offective Soil Depth (5)	v	Vater Retention	Difference (5)	Soil Wetness Class (5)		
Surface (5) Limiting High Low	gpd/ft² (3)		_V. shallow (<25 cm) _Shallow (25 to 49 cm) _Mod. deep (50 to 99 cm _Deep (100 to 149 cm) _Very deep (≥150 cm)	n) -	Very low (< Low (7.5 to Mod. (15 to High (≥ 22.5	< 15 cm) < 22.5 cm)	(> 150 cm) (100 to 150 cm) (50 to 99 cm) (25 to 49 cm) (< 25 cm)			
3. Site Characteristics									Score:	
Parent Material (GIVEN)	Landform	(GIVEN)	5	Slope (GIVEN)	Slope	Profile (5)	Surface Runof	f (5)	Eros. Pot. (5)	
EOLIAN	Pun Es		3	B	Summit Shoulder Backslope Footslope Toeslope None		PondedVery slowSlowMediumRapidVery rapid		Very Low Low Medium High Very High	
4. Soil Classification									Score:	
Epipedon (5)		ace horizons and/ tic features (5 eac		Order (10)		Subo	rder (10)	Great Group (10)		
5. Interpretations									Score:	
Houses with Basements (3) Septic Tank Abs. Fields			Local	Roads and Streets (3)	Corn (3)		Hopyards (3)		Created Wetlands (3)	
SlightModerateSevere Reason # (2):	Moderate Moderate Severe Severe		Reason	Slight Moderate Severe		Slight Moderate Severe	Slight Moderate Severe Reason (2):		Slight Moderate Severe Reason (2):	