

SCORECARD
REGION IV SOIL JUDGING CONTEST
Texas A&M University
San Marcos, TX
October 2-6, 2017

I.	_____	_____
II.	_____	_____
III.	_____	_____
IV.	_____	_____
V.	_____	_____
Total:	_____	_____

Contestant I.D. _____
 Site No. _____
 Horizons _____
 Describe to a depth of _____ cm
 Nail in third horizon at _____ cm

I. Soil Morphology

Score: _____

Horizonation				Boundary		Texture				Color			Structure		Effervescence	Redox Features		Score
Prefix (2)	Master (3)	Sub. (2)	No. (2)	Lower Depth (3)	Dist (2)	Clay% (±) (2)	% CF (± 5) (2)	CF Mod. (2)	Class (4)	Hue (2)	Value (2)	Chroma (2)	Grade (2)	Shape (2)	Class (2)	Con/Dep (2)	Abund (2)	Possible (40)

II. Soil Profile Characteristics

Score: _____

Hydraulic Conductivity (10)		Effective Soil Depth (5)	Water Retention Difference (5)	Soil Wetness Class (5)
<u>Surface</u> (5)	<u>Limiting Layer</u> (5)	____ Very shallow (< 25 cm)	____ Very low (< 7.50 cm)	____ Very shallow (< 25 cm)
____ High	____ High	____ Shallow (25 to 49 cm)	____ Low (7.50 to 14.99 cm)	____ Shallow (25 to 49 cm)
____ Moderate	____ Moderate	____ Moderately deep (50 to 99 cm)	____ Medium (15 to 22.49 cm)	____ Moderately deep (50 to 99 cm)
____ Low	____ Low	____ Deep (100 to 149 cm)	____ High (22.5 to 29.99 cm)	____ Deep (100 to 149 cm)
		____ Very deep (≥ 150 cm)	____ Very high (≥ 30 cm)	____ Very deep (≥ 150 cm)

III. Site Characteristics

Score: ____

Parent Material (5 each)	Landform (5)	Slope Gradient (5)	Hill Slope Profile (5)	Surface Runoff (5)	Erosion Potential (5)	Shrink Swell Potential (5)
<input type="checkbox"/> Alluvium <input type="checkbox"/> Colluvium <input type="checkbox"/> Aeolian <input type="checkbox"/> Lacustrine <input type="checkbox"/> Residuum	<input type="checkbox"/> Depression <input type="checkbox"/> Floodplain <input type="checkbox"/> Stream terrace <input type="checkbox"/> Uplands	<input type="checkbox"/> 0 to 1 % <input type="checkbox"/> 1 to 3 % <input type="checkbox"/> 3 to 5 % <input type="checkbox"/> 5 to 8 % <input type="checkbox"/> 8 to 12 % <input type="checkbox"/> 12 to 20 % <input type="checkbox"/> > 20 %	<input type="checkbox"/> Summit <input type="checkbox"/> Shoulder <input type="checkbox"/> Backslope <input type="checkbox"/> Footslope <input type="checkbox"/> Toeslope <input type="checkbox"/> None	<input type="checkbox"/> Poned <input type="checkbox"/> Very slow <input type="checkbox"/> Slow <input type="checkbox"/> Medium <input type="checkbox"/> Rapid <input type="checkbox"/> Very rapid	<input type="checkbox"/> Very low <input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Very high	<input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High

IV. Soil Classification

Score: ____

Epipedon (5)	Subsurface Horizons (5 each)	Other Characteristics (5 each)	Order (5)
<input type="checkbox"/> Mollic <input type="checkbox"/> Umbric <input type="checkbox"/> Ochric <input type="checkbox"/> None	<input type="checkbox"/> Argillic <input type="checkbox"/> Calcic <input type="checkbox"/> Cambic <input type="checkbox"/> Gypsic <input type="checkbox"/> Natric <input type="checkbox"/> Petrocalcic <input type="checkbox"/> None	<input type="checkbox"/> Buried <input type="checkbox"/> Fe/Mn concretions <input type="checkbox"/> Lamellae <input type="checkbox"/> Lithologic discontinuity <input type="checkbox"/> Lithic contact <input type="checkbox"/> Paralithic contact <input type="checkbox"/> Slickensides <input type="checkbox"/> Densic contact	<input type="checkbox"/> Alfisol <input type="checkbox"/> Entisol <input type="checkbox"/> Inceptisol <input type="checkbox"/> Mollisol <input type="checkbox"/> Ultisol <input type="checkbox"/> Vertisol

V. Interpretations

Score: ____

Dwellings with Basement (5)	Septic Tank Absorption Field (5)	Local Roads and Streets (5)
<input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe Reason # (2): _____	<input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe Reason # (2): _____	<input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe Reason # (2): _____