SCORECARD
REGION IV SOIL JUDGING CONTEST
University of Arkansas
Fayetteville, AR
October 7-11, 2019

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		Consistency	Redox Features		Score
Prefix *(2)*	Master *(2)*	Sub. *(2)*	No. *(2)*	Lower Depth *(2)*	Dist *(2)*	Clay% (±) *(2)*	%CF (± 5) *(2)*	CF Mod. *(2)*	Class *(4)*	Hue *(2)*	Value *(2)*	Chroma *(2)*	Grade *(2)*	Shape *(2)*	Moist Strength *(2)*	Con/Dep *(2)*	Abund (2)	Possible *(40)*

II. Soil Profile Characteristics

Score: ____

Hydraulic Conductivity *(10)*		Effective Soil Depth *(5)*	Water Retention Difference *(5)*	Depth to Seasonal High Water Table *(5)*
Surface *(5)*	Limiting Layer *(5)*			
____ High	____ High	____ Very shallow (< 25 cm)	_____ Very low (< 7.50 cm)	____ Very shallow (< 25 cm)
____ Moderate	____ Moderate	____ Shallow (25 to 49 cm)	_____ Low (7.50 to 14.99 cm)	____ Shallow (25 to 49 cm)
____ Low	____ Low	____ Moderately deep (50 to 99 cm)	_____ Medium (15 to 22.49 cm)	____ Moderately deep (50 to 99 cm)
		____ 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)*
____ Alluvium ____ Colluvium ____ Residuum	____ Depression ____ Floodplain ____ Stream terrace ____ Mound ____ Inter-mound ____ Uplands	____ 0 to 1 % ____ 1 to 3 % ____ 3 to 5 % ____ 5 to 8 % ____ 8 to 12 % ____ 12 to 20 % ____ > 20 %	____ Summit ____ Shoulder ____ Backslope ____ Footslope ____ Toeslope ____ None	____Ponded ____Very slow ____Slow ____Medium ____Rapid ____Very rapid	____ Very low ____ Low ____ Medium ____ High ____ Very high

IV. Soil Classification

Score: ____

Epipedon *(5)*	Subsurface Horizons *(5 each)*	Other Characteristics *(5 each)*	Order *(5)*	Suborder *(5)*	Great Group *(5)*	Family Particle-size Control Section *(5)*	Family Particle-size Class *(5)*
___ Mollic ___ Umbric ___ Ochric ___ None	___ Albic ___ Argillic ___ Calcic ___ Cambic ___ Glossic ___ Gypsic ___ None	___ Buried ___ Fe/Mn concretions ___ Fragipan ___ Lithologic discontin. ___ Lithic contact ___ Paralithic contact ___ Slickensides	___ Alfisol ___ Entisol ___ Inceptisol ___ Mollisol ___ Ultisol ___ Vertisol	___ Alb ___ Aqu ___ Fluv ___ Orth ___ Psamm ___ Ud	___ Alb ___ Fragi ___ Argi ___ Gloss ___ Dystr ___ Hapl ___ Endo ___ Pale ___ Epi ___ Psamm ___ Eutr ___ Quartzi ___ Fluv ___ Ud(i)	___ Mineral soil surface to root-limiting layer ___ 25 cm to root limiting layer ___ 25 to 100 cm ___ Lower boundary of Ap to root limiting layer ___ Lower boundary of Ap to 100 cm ___ All of the argillic ___ Upper 50 cm of argillic ___ Upper bound. of argillic to root-limiting layer ___ Upper boundary of argillic to 100 cm	___ Sandy-skeletal ___ Loamy-skeletal ___ Clayey-skeletal ___ Sandy ___ Loamy ___ Clayey ___ Coarse-loamy ___ Fine-loamy ___ Coarse-silty ___ Fine-silty ___ Fine ___ Very-fine Note: For strongly contrasting classes, indicate the upper class with a "1" and the lower class with a "2".

V. Interpretations

Score: ____

Dwellings with Basement *(5)*	Septic Tank Absorption Field *(5)*	Local Roads and Streets *(5)*
_____ Slight _____ Moderate _____ Severe Reason # *(2)*: _____	_____ Slight _____ Moderate _____ Severe Reason # *(2)*: _____	_____ Slight _____ Moderate _____ Severe Reason # *(2)*: _____