

**SCORECARD**  
**REGION 3 SOILS CONTEST**  
**October 19 & 20, 2023**



1. _____	_____
2. _____	_____
3. _____	_____
4. _____	_____
5. _____	_____
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		Cons.	Soil Features			Score	
Master		Sub. (2)	No. (2)	Lower Depth (cm) (2)	Dist. (2)	Sand% (±5%) (2)	Clay% (±5%) (2)	CF Mod. (2)	Sand Mod. (2)	Class (2)	Hue (2)	Value (2)	Chroma (2)	Grade (2)	Shape (2)	Moist Strength (2)	Redox		Efferv. (2)	Possible (40)	
Prefix (2)	Let. (2)																Depl. (2)	Conc. (2)			

**II. Soil Profile Characteristics**

**Score:**

Hydraulic Conductivity (10)		Loading Rate at 75 cm (5)	Effective Soil Depth (5)	Water Retention Difference (5)	Soil Wetness Class (5)
<u>Surface</u> (5) _____ High _____ Mod. _____ Low	<u>Limiting Layer</u> (5) _____ High _____ Mod. _____ Low	_____ gpd/ft <sup>2</sup> (3)  Ref. (2) _____	_____ Very Shallow (< 25 cm) _____ Shallow (25 to 49 cm) _____ Mod. Deep (50 to 99 cm) _____ Deep (100 to 150 cm) _____ Very Deep (> 150 cm)	_____ Very low (< 7.5 cm) _____ Low (7.5 to < 15 cm) _____ Mod. (15 to < 22.5 cm) _____ High (≥ 22.5 cm)	_____ (< 25 cm) _____ (25 to 49 cm) _____ (50 to 99 cm) _____ (100 to 150 cm) _____ (> 150 cm)

**III. Site Characteristics**

**Score:**

Parent Material (5 each)	Landform (5)		Slope (5)	Slope Profile (5)	Surface Runoff (5)	Erosion Pot. (5)
<input type="checkbox"/> Alluvium <input type="checkbox"/> Beach deposit <input type="checkbox"/> Colluvium <input type="checkbox"/> Eolian sand <input type="checkbox"/> Glacial outwash <input type="checkbox"/> Human trans. materials <input type="checkbox"/> Lacustrine deposit <input type="checkbox"/> Loess <input type="checkbox"/> Glacial till <input type="checkbox"/> Pedisediment <input type="checkbox"/> Residuum	<u>Constructional</u> <input type="checkbox"/> Floodplain <input type="checkbox"/> Stream terrace <input type="checkbox"/> Kame/esker <input type="checkbox"/> Alluvial fan <input type="checkbox"/> Loess plain/hillslope <input type="checkbox"/> Outwash plain <input type="checkbox"/> Sand dune <input type="checkbox"/> Lake plain <input type="checkbox"/> Till plain/drumlin/moraine	<div style="border: 1px solid black; padding: 5px; display: inline-block;">                     Choose only one landform                 </div> <u>Erosional</u> <input type="checkbox"/> Upland headslope <input type="checkbox"/> Upland sideslope <input type="checkbox"/> Upland noseslope <input type="checkbox"/> Interfluve	<input type="checkbox"/> 0 to < 2% <input type="checkbox"/> 2 to < 6% <input type="checkbox"/> 6 to < 12% <input type="checkbox"/> 12 to < 20% <input type="checkbox"/> ≥ 20%  <input type="checkbox"/> % slope (not graded)	<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"/> Ponded <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"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High

**IV. Soil Classification**

**Score:**

Epipedon (5)	Subsurface Horizon/ Feature (5 each)	Order (5)	Suborder (5)	Great Group (5)	Family Particle Size Control Section (5)	Family Particle Size Class (5 each)	
<input type="checkbox"/> Mollic <input type="checkbox"/> Ochric <input type="checkbox"/> Umbric <input type="checkbox"/> None	<input type="checkbox"/> Albic <input type="checkbox"/> Argillic <input type="checkbox"/> Calcic <input type="checkbox"/> Cambic <input type="checkbox"/> Densic <input type="checkbox"/> Glossic <input type="checkbox"/> Lamellae <input type="checkbox"/> Lithic <input type="checkbox"/> Paralithic <input type="checkbox"/> Spodic <input type="checkbox"/> None	<input type="checkbox"/> Alfisol <input type="checkbox"/> Entisol <input type="checkbox"/> Inceptisol <input type="checkbox"/> Mollisol <input type="checkbox"/> Spodosol <input type="checkbox"/> Other	<input type="checkbox"/> Alb <input type="checkbox"/> Aqu <input type="checkbox"/> Fluv <input type="checkbox"/> Orth <input type="checkbox"/> Psamm <input type="checkbox"/> Ud <input type="checkbox"/> Other	<input type="checkbox"/> Alb <input type="checkbox"/> Argi <input type="checkbox"/> Calci <input type="checkbox"/> Dystr <input type="checkbox"/> Endo <input type="checkbox"/> Epi <input type="checkbox"/> Eutr <input type="checkbox"/> Fluv <input type="checkbox"/> Gloss <input type="checkbox"/> Hapl <input type="checkbox"/> Pale <input type="checkbox"/> Psamm <input type="checkbox"/> Quartzi <input type="checkbox"/> Ud(i) <input type="checkbox"/> Other	<input type="checkbox"/> Mineral soil surface to root limiting layer <input type="checkbox"/> 25 cm to root limiting layer <input type="checkbox"/> 25 to 100 cm <input type="checkbox"/> Lower boundary of Ap to root limiting layer <input type="checkbox"/> Lower boundary of Ap to 100 cm <input type="checkbox"/> All of the argillic <input type="checkbox"/> Upper 50 cm of argillic <input type="checkbox"/> Upper boundary of argillic to root limiting layer <input type="checkbox"/> Upper boundary of argillic to 100 cm <input type="checkbox"/> Other	<input type="checkbox"/> Sandy-skeletal <input type="checkbox"/> Loamy-skeletal <input type="checkbox"/> Clayey-skeletal <input type="checkbox"/> Sandy <input type="checkbox"/> Loamy <input type="checkbox"/> Clayey	<input type="checkbox"/> Coarse-loamy <input type="checkbox"/> Fine-loamy <input type="checkbox"/> Coarse-silty <input type="checkbox"/> Fine-silty <input type="checkbox"/> Fine <input type="checkbox"/> Very-fine

**Note: For strongly contrasting classes, indicate the upper class with a "1" and the lower class with a "2". For example: coarse loamy over clayey-skeletal should have a "1" marked next to coarse-loamy, and a 2 marked next to clayey-skeletal.**

**V. Interpretations**

**Score:**

Houses With Basements (3)	Septic Tank Absorption Fields (3)	Local Roads and Streets (3)	Hydric (3)
<input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe Reason # (3): _____	<input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe Reason # (3): _____	<input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor Reason # (3): _____	<input type="checkbox"/> Yes <input type="checkbox"/> No Indicator (3) _____