

**SCORE CARD**  
**ASA REGION IV COLLEGIATE SOIL JUDGING**  
**UNIVERSITY OF ARKANSAS AT MONTICELLO**  
**Oct. 20-24, 2008**

<b>Score.. Part I</b>	
<b>Part II</b>	
<b>Part III</b>	
<b>Part IV</b>	
<b>TOTAL</b>	

SITE NUMBER \_\_\_\_\_

CONTESTANT ID \_\_\_\_\_

**Part I. SOIL MORPHOLOGY.** Describe mineral horizons within a depth of \_\_\_\_\_ cm.

Horizon			Lower Depth (cm) (2)	Bound Distinct. (2)	Clay % (2)	Texture (4)	Color			Redoximorphic Features		Structure	
Mas. (2)	Sub. (2)	No. (1)					Hue (2)	Value (2)	Chro. (2)	Abund. (2)	Con/Dep (2)	Grade (2)	Shape (2)

**PART I. SCORE** \_\_\_\_\_

**PART II. SITE CHARACTERISTICS.**

A. Site Position (5)			B. Parent Material (5) (Mark all that apply)			C. Slope (5) %			D. Erosion Class										
	Summit			Floodplain			Alluvium			Loess			0-1			8-12			Deposition
	Shoulder			Stream terrace			Colluvium			Marine deposit			1-3			12-20			Class 1
	Backslope			Depression			Eolian			Residium			3-5			20-45			Class 2
	Footslope			Mound			Esturine						5-8			>45			Class 3
	Toeslope			Intermound			Lacustrine												Class 4

**PART II. SCORE** \_\_\_\_\_

**Part III. Soil Taxonomy.**

<b>A. Diagnostic Surface Horizons (10)</b>		<b>B. Subsurface Horizons and Features (10)</b>			<b>C. Order (10)</b>	
	<b>Mollic Epipedon</b>		<b>Albic</b>		<b>Fe/Mn concretions</b>	<b>Alfisol</b>
	<b>Ochric Epipedon</b>		<b>Argillic</b>		<b>Lithic contact</b>	<b>Entisol</b>
	<b>Umbric Epipedon</b>		<b>Buried</b>		<b>Natric</b>	<b>Inceptisol</b>
	<b>None</b>		<b>Calcic</b>		<b>Paralithic contact</b>	<b>Mollisol</b>
			<b>Cambic</b>		<b>Plinthite</b>	<b>Ultisol</b>
			<b>Duripan</b>		<b>Slickensides</b>	<b>Vertisol</b>
			<b>Fragipan</b>		<b>Gilgai</b>	
			<b>Glossic</b>		<b>None</b>	

**PART III. Score \_\_\_\_\_**

**Part IV. Interpretations.**

<b>A. Hydraulic conductivity Surface (5)</b>		<b>B. Hydraulic conductivity Soil (5)</b>		<b>C. Water retention difference (5)</b>		
	<b>High</b>		<b>High</b>		<b>Very High (&gt;30 cm)</b>	<b>Low (7.50-14.99 cm)</b>
	<b>Moderate</b>		<b>Moderate</b>		<b>High (22.50-29.99 cm)</b>	<b>Very Low (&lt;7.50 cm)</b>
	<b>Low</b>		<b>Low</b>		<b>Medium (15.00-22.49 cm)</b>	

<b>D. Internal free-water occurrence (5)</b>		<b>E. Surface Runoff (5)</b>	
	<b>Class 1...&gt;150 cm</b>		<b>Ponded</b>
	<b>Class 2...100-149 cm</b>		<b>Very Slow</b>
	<b>Class 3...50-100 cm</b>		<b>Slow</b>
	<b>Class 4...25-50 cm</b>		<b>Medium</b>
	<b>Class 5...&lt;25 cm</b>		<b>Rapid</b>
			<b>Very Rapid</b>