

Contestant ID: _____

Site No: _____

	Horizonation				Lower Boundary		Texture			Color			Structure		redox features		effervescence
	Prefix	Master	sub.	no.	depth	dist.	CF mod.	Class	clay pct.	hue	value	chroma	grade	type	conc/depl	abundance	
	(2)	(3)	(2)	(2)	(3)	(2)	(2)	(4)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	

II. Site Characteristics (score achieved _____)

Site Position (5)	Landform (5)	Slope gradient pct. (5)	Parent Material (5)	Surface Runoff (5)	Erosion Potential (5)
summit	stream terrace	0 to 1	colluvium	ponded	very low
shoulder	depression	1 to 3	residuum	very slow	low
backslope	floodplain	3 to 5	alluvium	slow	medium
footslope	upland	5 to 8	eolian	medium	high
toeslope		8 to 12		rapid	very high
riser		12 to 20		very rapid	
tread		> 20			

II. Soil Profile Characteristics (score achieved _____)

Hydraulic Conductivity surface (5)	Hydraulic Conductivity limiting layer (5)	Effective Soil Depth (5)	Water Retention (5)	Soil Wetness Class (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)

IV. Soil Classification (score achieved _____)

Epipedon (5)	
	mollic
	ochric
	none

Subsurface Horizons (5 each)	
	argillic
	calcic
	petrocalcic
	cambic

Other Characteristics (5 each)	
	buried
	lithic contact
	slickensides
	lithologic discontinuity
	vis. 2ndary CaCO ₃
	paralithic/densic material/contact
	Fe/Mn concretions

Order (5)	
	Alfisol
	Inceptisol
	Mollisol

PSCS depths (5)	
	Upper depth
	Lower depth

PSCS Class (5)	
	clayey
	loamy
	coarse-loamy
	coarse-silty
	fine
	fine-loamy
	fine-silty

V. Interpretations (score achieved _____)

Dwellings with Basement (5)	
	slight
	moderate
	severe
reason # (2) _____	

Septic Tank Absorption Field (5)	
	slight
	moderate
	low
reason # (2) _____	

Local Roads and Streets (5)	
	slight
	moderate
	severe
reason # (2) _____	