

Environmental & Natural Resources CDE

Participant Name: _____ Chapter: _____

Participant Number: _____ Team Number: _____

Soil Practicum Score Card – Part 1

PART 1 (80 POINTS)			
Soil Factors (Check Appropriate Box)		Soil Factors (Check Appropriate Box)	
Points		Points	
	<p>Location in Landscape</p> <ul style="list-style-type: none"> <input type="checkbox"/> Mountain/Hill <input type="checkbox"/> Alluvial fan <input type="checkbox"/> Terrace <input type="checkbox"/> Flood Plain/Basin <input type="checkbox"/> Flat/Low Rolling Plain <input type="checkbox"/> Playa <input type="checkbox"/> Dunes <p>% Bare Ground on soil surface</p> <ul style="list-style-type: none"> <input type="checkbox"/> Little (0-25%) <input type="checkbox"/> Significant (26-50%) <input type="checkbox"/> Abundant (51-75%) <input type="checkbox"/> Dominant (76-100%) <p>Slope</p> <ul style="list-style-type: none"> <input type="checkbox"/> Nearly Level 0-1% <input type="checkbox"/> Gently Sloping..... 1-3% <input type="checkbox"/> Moderate Sloping 3-5% <input type="checkbox"/> Strongly Sloping 5-8% <input type="checkbox"/> Steep..... 8-15% <input type="checkbox"/> Very Steep > 15% <p>Depth of Topsoil (O+A Horizon)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Very Shallow (<3 inches) <input type="checkbox"/> Shallow (3 to 6 inches) <input type="checkbox"/> Moderately Deep (6 to 9 inches) <input type="checkbox"/> Deep (> 9 inches) <p>Depth of Soil to restricting layer</p> <ul style="list-style-type: none"> <input type="checkbox"/> Very Shallow (<10 inches) <input type="checkbox"/> Shallow (10 to 20 inches) <input type="checkbox"/> Deep (>20 inches) 		<p>Texture of Topsoil</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sand <input type="checkbox"/> Loamy Sand <input type="checkbox"/> Sandy Loam <input type="checkbox"/> Loam <input type="checkbox"/> Silt Loam <input type="checkbox"/> Clay Loam <input type="checkbox"/> Sandy Clay Loam <input type="checkbox"/> Silty Clay Loam <input type="checkbox"/> Sandy Clay <input type="checkbox"/> Clay and Silty Clay <p>Percent Course Rock Fragment</p> <ul style="list-style-type: none"> <input type="checkbox"/> None to Slight (0-15%) <input type="checkbox"/> Moderate (16-35%) <input type="checkbox"/> Considerable (36-60%) <input type="checkbox"/> Extreme (>60%) <p>Permeability</p> <ul style="list-style-type: none"> <input type="checkbox"/> Rapid <input type="checkbox"/> Moderate <input type="checkbox"/> Slow <input type="checkbox"/> Very slow

Soil Practicum Score Card – Part 2

PART 2 (20 POINTS)

Recommended Conservation Treatment – Part 2 (Check Appropriate Box)

Points	
	<p>Vegetative</p> <ul style="list-style-type: none"><input type="checkbox"/> 1. Row crop/occasional soil conserving crop<input type="checkbox"/> 2. Row crop/frequent soil conserving crop<input type="checkbox"/> 3. Row crops not more than 2 out of 4 years<input type="checkbox"/> 4. Row crops not more than 1 out of 5 years<input type="checkbox"/> 5. Return crop residue to the soil<input type="checkbox"/> 6. Practice conservation tillage<input type="checkbox"/> 7. Establish recommended grass or grasses and legumes<input type="checkbox"/> 8. Proper pasture and range management<input type="checkbox"/> 9. Protect from burning<input type="checkbox"/> 10. Control grazing<input type="checkbox"/> 11. Plant recommended trees<input type="checkbox"/> 12. Harvest trees selectively<input type="checkbox"/> 13. Use only for wildlife or recreation area <p>Mechanical</p> <ul style="list-style-type: none"><input type="checkbox"/> 14. Control brush or trees<input type="checkbox"/> 15. Terrace and farm on contour<input type="checkbox"/> 16. Maintain terraces<input type="checkbox"/> 17. Construction diversion terraces<input type="checkbox"/> 18. Install drainage system<input type="checkbox"/> 19. Control gullies<input type="checkbox"/> 20. No mechanical treatment needed