

**UT Eastern Region 4-H
Land Judging Score Card**

Pit # _____

PART I - PHYSICAL CHARACTERISTICS OF THE SOIL

Check only one Answer for Each Soil Characteristic




A. Texture of Surface Soil (5 points)

- Coarse 
- Medium 
- Fine 

B. Texture of Subsoil (5 points)

- Coarse 
- Medium 
- Fine 

C. Rock Outcrops (2 points)

- None or Few 
- Common 
- Many 




D. Erosion (3 points)

- None to slight 
- Moderate 
- Severe 





E. Water Holding Capacity (6 points)

- High 
- Medium 
- Low 







F. Rock Fragments (2 points)

- None or Few 
- Common 
- Many 

G. Depth of Soil Favorable for Roots (6 points)

- Deep (36+ inches) 
- Moderately Deep (20-36 inches) 
- Shallow (10-20 inches) 
- Very Shallow (less than 10 inches) 




H. Slope (6 points)

- | | <u>East or Middle TN</u> | <u>West TN</u> | | |
|------------------------------|--------------------------|----------------|--------------------------|---|
| Nearly Level | (0 to 2%) | (0 to 2%) | <input type="checkbox"/> |  |
| Gently Sloping | (2 to 5%) | (2 to 5%) | <input type="checkbox"/> |  |
| Sloping | (5 to 12%) | (5 to 8%) | <input type="checkbox"/> |  |
| Moderately Steep (12 to 20%) | (8 to 12%) | | <input type="checkbox"/> |  |
| Steep | (20 to 30%) | (12 to 20%) | <input type="checkbox"/> |  |
| Very Steep | (30% +) | (20% +) | <input type="checkbox"/> |  |

I. Drainage Class (6 points)

- Excessively Drained 
- Well-Drained 
- Moderately Well-Drained 
- Somewhat Poorly-Drained 
- Poorly-Drained 









J. Position of Site on the Landscape (5 points)

- Flood Plain 
- Upland or Terrace 
- Footslope 
- Depression 









PART II-INTERPRETATION OF SOIL CHARACTERISTICS

Check only one Answer for Each Soil Characteristic

A. Land Capability Class (4 points)

- | | | | |
|---|--|--|---|
| Class I <input type="checkbox"/>  | Class III <input type="checkbox"/>  | Class V <input type="checkbox"/>  | Class VII <input type="checkbox"/>  |
| Class II <input type="checkbox"/>  | Class IV <input type="checkbox"/>  | Class VI <input type="checkbox"/>  | Class VIII <input type="checkbox"/>  |

B. Limitation(s) of This Soil for Crop Production (8 points)

- | | | |
|---|--|---|
| 1. Wetness <input type="checkbox"/>  | 4. Subsoil Texture <input type="checkbox"/>  | 7. Effective Depth <input type="checkbox"/>  |
| 2. Slope <input type="checkbox"/>  | 5. Available Water Capacity <input type="checkbox"/>  | 8. Flooding <input type="checkbox"/>  |
| 3. Surface Texture <input type="checkbox"/>  | 6. Rock Fragments or Outcrop <input type="checkbox"/>  | |

PART II-INTERPRETATION OF SOIL CHARACTERISTICS (CONTINUED)

C. Check Estimated Yields of This Soil for the Following Crops (7 points)

	Low or not adapted	Medium	High
Corn	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cotton	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Soybeans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tobacco	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Small Grain	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alfalfa	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fescue-white Clover	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

D. Potential Environmental Problems (4 points)

	Low	Medium	High
1. Sediment, nutrients or pesticides in streams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Nutrients or pesticides in groundwater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PART III-MANAGEMENT PRACTICES

A. Check The One Most Intensive Recommended Use (6 points)

- | | |
|---|---|
| 1. Continuous annual crops - minimal conservation system <input type="checkbox"/> | 4. Permanent grass / legume clover <input type="checkbox"/> |
| 2. Continuous annual crops - intensive conservation <input type="checkbox"/> | 5. Trees <input type="checkbox"/> |
| 3. Annual crops in rotation with perennial grass / <input type="checkbox"/> | |

B. Check All Recommended Practices (9 points)

- | | | |
|--|---|---|
| 1. Drainage System <input type="checkbox"/> | 4. Grassed waterways <input type="checkbox"/> | 7. Filter strips <input type="checkbox"/> |
| 2. Conservation tillage/no-till <input type="checkbox"/> | 5. Contour farming <input type="checkbox"/> | 8. Cover crops <input type="checkbox"/> |
| 3. Terraces <input type="checkbox"/> | 6. Strip cropping <input type="checkbox"/> | 9. Lime and fertilize by soil test <input type="checkbox"/> |

PART IV-HOMESITES

A. For Each Soil Factor Check Suitability Rating for Homesite Requiring Septic Tank Disposal Field (12 points)

	Good	Fair	Poor
Drainage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flooding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Depth	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Slope	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Percolation Rate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shrink-Swell	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

B. Suitability for Homesite Requiring Septic Tank Disposal Field (4 points)

- Good
- Fair
- Poor



Your scorecard is provided compliments of the Tennessee Farm Bureau

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