



Name \_\_\_\_\_ Site No. \_\_\_\_\_

County or Group (4-H, F.F.A. Chapter, etc.) \_\_\_\_\_

Soil and Water Conservation District \_\_\_\_\_

Score	<b>PART 1. SOIL FACTORS:</b> Place an "X" in the appropriate square	<b>PART 2. PLANNED USE: Family dwelling site.</b> Interpret the limitations in terms of the factors below (2 points each)				Score
		Degree of limitation	Foundations for buildings	Lawns, shrubs and gardens	Shallow excavations	
	<b>1. Surface texture</b> <input type="checkbox"/> A. Sandy <input type="checkbox"/> B. Loamy <input type="checkbox"/> C. Clayey <input type="checkbox"/> D. Very clayey	Slight Moderate Severe	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
	<b>2. Permeability</b> <input type="checkbox"/> A. Slow: < 0.2 inches / hr <input type="checkbox"/> B. Moderate: 0.2–6 inches / hr <input type="checkbox"/> C. Rapid: > 6 inches / hr	Slight Moderate Severe	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
	<b>3. Soil depth</b> <input type="checkbox"/> A. Deep: 40 inches or more <input type="checkbox"/> B. Moderately deep: 20–39 inches <input type="checkbox"/> C. Shallow: 10–19 inches <input type="checkbox"/> D. Very shallow: 0–9 inches	Slight Moderate Severe	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
	<b>4. Slope</b> <input type="checkbox"/> A. Nearly level: 0–2% <input type="checkbox"/> B. Gently sloping: 3–7% <input type="checkbox"/> C. Strongly sloping: 8–14% <input type="checkbox"/> D. Moderately steep: 15–24% <input type="checkbox"/> E. Steep: 25–39% <input type="checkbox"/> F. Very steep and extremely steep: >40%	Slight Moderate Severe	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
	<b>5. Erosion</b> <input type="checkbox"/> A. None–slight <input type="checkbox"/> B. Moderate <input type="checkbox"/> C. Severe <input type="checkbox"/> D. Very severe	Slight Moderate Severe	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
	<b>6. Shrink-swell</b> <input type="checkbox"/> A. Low <input type="checkbox"/> B. Moderate <input type="checkbox"/> C. High	Slight Moderate Severe	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
	<b>7. Stoniness</b> <input type="checkbox"/> A. 0–2% <input type="checkbox"/> B. 3–14% <input type="checkbox"/> C. 15% or more	Slight Moderate Severe	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
	<b>8. Water table</b> <input type="checkbox"/> A. Deep: 40 inches or more <input type="checkbox"/> B. Moderately deep: 20–39 inches <input type="checkbox"/> C. Shallow: <20 inches	Slight Moderate Severe	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
	<b>9. Flooding</b> <input type="checkbox"/> A. None <input type="checkbox"/> B. Occasional: once in 2 years or less <input type="checkbox"/> C. Frequent: more than once in 2 years	Slight Moderate Severe	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
	<b>10. FINAL EVALUATION</b> All factors slight One or more factors moderate and none severe One or more factors severe	Slight Moderate Severe	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	

Part 1 score (possible 40) \_\_\_\_\_ Part 2 score (possible 60) \_\_\_\_\_ Total score (possible 100) \_\_\_\_\_

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County or Group (4-H, F.F.A. Chapter, etc.) \_\_\_\_\_

Soil and Water Conservation District \_\_\_\_\_

Score	<b>PART 1. PHYSICAL FEATURES</b> Place an "X" in the appropriate square.	Score	<b>PART 4. RECOMMENDED CONSERVATION PRACTICES</b>													
	<b>1. Surface texture</b> <input type="checkbox"/> A. Sandy <input type="checkbox"/> B. Loamy <input type="checkbox"/> C. Clayey <input type="checkbox"/> D. Very clayey		<b>FOR CROPLAND AND ORCHARD</b> <input type="checkbox"/> 1. Soil conserving crop every 4th or 5th year <input type="checkbox"/> 2. Soil conserving crop every 3rd or 4th year <input type="checkbox"/> 3. Soil conserving crop every 2nd year <input type="checkbox"/> 4. Soil conserving crop every year <input type="checkbox"/> 5. Return crop residue to the soil <input type="checkbox"/> 6. Establish grassed waterways <input type="checkbox"/> 7. Establish recommended windbreaks for erosion control or crop protection <input type="checkbox"/> 8. Cross-slope (contour) farming <input type="checkbox"/> 9. Construct and maintain diversions or terraces <input type="checkbox"/> 10. Irrigation water management <input type="checkbox"/> 11. Use animal manure <input type="checkbox"/> 12. Use green manure crops													
	<b>2. Subsoil texture</b> <input type="checkbox"/> A. Sandy <input type="checkbox"/> B. Loamy <input type="checkbox"/> C. Clayey <input type="checkbox"/> D. Very clayey															
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	<b>PART 2. MAJOR FACTORS</b> Check the most important problems <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> 1. Surface texture</td> <td><input type="checkbox"/> 8. Elevation and climate</td> </tr> <tr> <td><input type="checkbox"/> 2. Permeability</td> <td><input type="checkbox"/> 9. Wind</td> </tr> <tr> <td><input type="checkbox"/> 3. Depth</td> <td><input type="checkbox"/> 10. Flooding</td> </tr> <tr> <td><input type="checkbox"/> 4. Slope</td> <td><input type="checkbox"/> 11. Stoniness / rock outcrop</td> </tr> <tr> <td><input type="checkbox"/> 5. Erosion</td> <td><input type="checkbox"/> 12. Salinity</td> </tr> <tr> <td><input type="checkbox"/> 6. Wetness</td> <td><input type="checkbox"/> 13. None</td> </tr> <tr> <td><input type="checkbox"/> 7. Rainfall</td> <td></td> </tr> </table>	<input type="checkbox"/> 1. Surface texture	<input type="checkbox"/> 8. Elevation and climate	<input type="checkbox"/> 2. Permeability	<input type="checkbox"/> 9. Wind	<input type="checkbox"/> 3. Depth	<input type="checkbox"/> 10. Flooding	<input type="checkbox"/> 4. Slope	<input type="checkbox"/> 11. Stoniness / rock outcrop	<input type="checkbox"/> 5. Erosion	<input type="checkbox"/> 12. Salinity	<input type="checkbox"/> 6. Wetness	<input type="checkbox"/> 13. None	<input type="checkbox"/> 7. Rainfall		
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	<b>PART 3. LAND CAPABILITY CLASS</b> <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> 1. Class I</td> <td><input type="checkbox"/> 5. Class V</td> </tr> <tr> <td><input type="checkbox"/> 2. Class II</td> <td><input type="checkbox"/> 6. Class VI</td> </tr> <tr> <td><input type="checkbox"/> 3. Class III</td> <td><input type="checkbox"/> 7. Class VII</td> </tr> <tr> <td><input type="checkbox"/> 4. Class IV</td> <td><input type="checkbox"/> 8. Class VIII</td> </tr> </table>	<input type="checkbox"/> 1. Class I	<input type="checkbox"/> 5. Class V	<input type="checkbox"/> 2. Class II	<input type="checkbox"/> 6. Class VI	<input type="checkbox"/> 3. Class III	<input type="checkbox"/> 7. Class VII	<input type="checkbox"/> 4. Class IV	<input type="checkbox"/> 8. Class VIII		<b>FOR PASTURE:</b> <input type="checkbox"/> 13. Establish recommended grasses and legumes <input type="checkbox"/> 14. Manage grazing for erosion control <input type="checkbox"/> 15. Control noxious plants <input type="checkbox"/> 16. Improve and maintain water facilities such as pipelines, catchments, reservoirs, and tanks for livestock <input type="checkbox"/> 17. Establish windbreaks or shelterbelts for animal protection					
<input type="checkbox"/> 1. Class I	<input type="checkbox"/> 5. Class V															
<input type="checkbox"/> 2. Class II	<input type="checkbox"/> 6. Class VI															
<input type="checkbox"/> 3. Class III	<input type="checkbox"/> 7. Class VII															
<input type="checkbox"/> 4. Class IV	<input type="checkbox"/> 8. Class VIII															
			<b>FOR WOODLAND:</b> <input type="checkbox"/> 18. Plant adapted trees <input type="checkbox"/> 19. Protect trees from burning and grazing <input type="checkbox"/> 20. Harvest trees selectively													
			<b>FOR RECREATION AND WILDLIFE:</b> <input type="checkbox"/> 21. Wildlife habitat improvement, including food and cover plantings <input type="checkbox"/> 22. Improve water facilities for wildlife and recreation such as pipelines, catchments, tanks and ponds <input type="checkbox"/> 23. Develop recreational facilities such as access roads, trails, shelters and campsites													
			<b>FOR EITHER CROPLAND AND ORCHARD, PASTURE, OR WOODLAND:</b> <input type="checkbox"/> 24. Control flooding, construct dikes or levees <input type="checkbox"/> 25. Install and maintain a drainage system <input type="checkbox"/> 26. Apply lime or soil amendments according to soil test <input type="checkbox"/> 27. Fertilize with nitrogen, phosphorus, and / or potassium <input type="checkbox"/> 28. Fertilizer or soil amendments not needed													

Part 2 score (possible 30) \_\_\_\_\_

Part 3 score (possible 10) \_\_\_\_\_

Part 2 score (possible 10) \_\_\_\_\_

Part 4 score (possible 50) \_\_\_\_\_

Total score (possible 100) \_\_\_\_\_