

# North Dakota Land Judging Score Card

## Part I – Land Class Factors

Indicate your answer by placing an X in the proper space.

**A. Surface Texture (6 points)**

- 1. Coarse
- 2. Moderately coarse
- 3. Medium
- 4. Moderately fine
- 5. Fine

**B. Permeability (internal drainage) (6 points)**

- 1. Very Slow
- 2. Slow
- 3. Moderate
- 4. Rapid

**C. Depth of soil (6 points)**

- 1. Deep
- 2. Moderately deep
- 3. Shallow
- 4. Very shallow

**D. Slope (6 points)**

- 1. Nearly level 0-3%
- 2. Gently sloping 3.1-6%
- 3. Moderately sloping 6.1-9%
- 4. Strongly sloping 9.1-12%
- 5. Steep 12.1-15%
- 6. Very steep 15.1+%

**E. Present topsoil soil thickness (5 points)**

- 1. 0-6 inches
- 2. 6.1-12 inches
- 3. 12.1-18 inches
- 4. 18.1+ inches

**F. Past erosion (4 points)**

- 1. None to slight
- 2. Moderate
- 3. Severe
- 4. Very severe

**G. Wind erosion hazard (4 points)**

- 1. Low
- 2. Moderate
- 3. High
- 4. Very high

**H. Water erosion hazard (4 points)**

- 1. Low
- 2. Moderate
- 3. High
- 4. Very high

**I. Saltiness (salinity) (4 points)**

- 1. Not affected
- 2. Slight
- 3. Moderate
- 4. Severe

**J. Surface runoff (5 points)**

- 1. Very slow
- 2. Slow
- 3. Moderate
- 4. Rapid

**K. Major factors that keep area out of Class I (10 points)**

- 1. Climate
- 2. Surface texture
- 3. Depth of soil
- 4. Slope
- 5. Past erosion
- 6. Erosion hazard
- 7. Saltiness (salinity)
- 8. Surface runoff
- 9. Permeability
- 10. Wetness

**L. Land Capability Class (10 points)**

- 1. Class I
- 2. Class II
- 3. Class III
- 4. Class IV
- 5. Class V
- 6. Class VI
- 7. Class VII
- 8. Class VIII

SCORE \_\_\_\_\_

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## Part II – Recommended Land Treatments

*Indicate your answer by placing an X in the proper space.*

**Vegetative Treatments** – 10 points; 2 points deducted for each incorrect answer or omission

1. Use soil-conserving and/or soil-improving crops  
( ) a. every 4th or 5th year  
( ) b. every 3rd of 4th year  
( ) c. every 2nd year  
( ) d. every year
- ( ) 2. Practice crop residue management
- ( ) 3. Practice conservation tillage
- ( ) 4. Establish recommended grass mixture
- ( ) 5. Use proper pasture and range management
- ( ) 6. Plant pattern-type tree windbreaks
- ( ) 7. Use cover crop or annual buffer strips
- ( ) 8. Use only for wildlife or recreation
- ( ) 9. Use tame grass/crop rotation

**Mechanical Treatments** – 10 points; 2 points deducted for each incorrect answer or omission

- ( ) 10. Use no summer fallow
- ( ) 11. No fall tillage recommended
- ( ) 12. Fill, shape and seed waterways
- ( ) 13. Establish diversion terrace
- ( ) 14. Practice wind-strip cropping
- ( ) 15. Practice contour-strip cropping
- ( ) 16. No-till production recommended

**Fertility** – 10 points; 2 points deducted for each incorrect answer or omission

- ( ) 17. Apply lime
- ( ) 18. Apply nitrogen
- ( ) 19. Apply phosphorus
- ( ) 20. Apply potassium
- ( ) 21. Fertilizer not needed

SCORE \_\_\_\_\_

Site No. \_\_\_\_\_ Your name or number \_\_\_\_\_

Score Part I \_\_\_\_\_

Score Part II \_\_\_\_\_

**Total score** \_\_\_\_\_