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 _____________________
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 _______________________

North Dakota Land Judging Score Card
Part II – Recommended Land Treatments

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