### Part I – Land Class Factors

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

- [ ] 1. Coarse
- [ ] 2. Mod. Coarse
- [ ] 3. Medium
- [ ] 4. Mod. 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. Mod. deep
- [ ] 3. Shallow
- [ ] 4. Very shallow

#### D. Slope
(6 points)

- [ ] 1. Nearly level 0-3%
- [ ] 2. Gently sloping 3.1-6%
- [ ] 3. Mod. 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
- [ ] 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

---

### Part II – Recommended Land Treatment

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

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

- Use soil conserving and/or soil improving crops
  - [ ] Every 4th or 5th year
  - [ ] Every 3rd or 4th year
  - [ ] Every 2nd year
  - [ ] Every year

- Practice conservation tillage
- Establish recommended grass mixture
- Use proper pasture and range management
- Plant pattern-type tree windbreaks
- Use cover crop or annual buffer strips
- Use tame grass/crop rotation

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

- Use no summer fallow
- No fall tillage recommended
- Fill, shape and seed waterways
- Establish diversion terrace
- Practice wind-strip cropping
- Practice contour-strip cropping
- No-till production recommended

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

- Apply lime
- Apply nitrogen
- Apply phosphorus
- Apply potassium
- Fertilizer not needed

---

North Dakota Land Judging Score Card

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North Dakota State University
Fargo, North Dakota 58105

### Score

<table>
<thead>
<tr>
<th>Part I</th>
<th>Part II</th>
<th>Total Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Score Part I</td>
<td>Score Part II</td>
<td>Total Score</td>
</tr>
</tbody>
</table>

---

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

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

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

North Dakota Land Judging Score Card

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DBC616

Vegetative Treatments

Mechanical Treatments

Fertility

Part I – Land Class Factors

Indicate your answer by placing an X in the proper space.
### North Dakota Homesite Evaluation Card

**Part 1. Land factors.**

<table>
<thead>
<tr>
<th>Score: Features of the site being considered. (3 points each)</th>
<th>Building Foundations</th>
<th>Lawns and Landscaping</th>
<th>Septic Systems</th>
<th>Sewage Lagoons</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A. Surface texture</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>( ) Coarse</td>
<td>□ Slight</td>
<td>□ Slight</td>
<td>□ Slight</td>
<td>□ Slight</td>
</tr>
<tr>
<td>( ) Mod. coarse, medium mod. fine</td>
<td>□ Moderate</td>
<td>□ Moderate</td>
<td>□ Moderate</td>
<td>□ Moderate</td>
</tr>
<tr>
<td>( ) Fine</td>
<td>□ Severe</td>
<td>□ Severe</td>
<td>□ Severe</td>
<td>□ Severe</td>
</tr>
<tr>
<td><strong>B. Permeability</strong></td>
<td></td>
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<tr>
<td>( ) Very slow</td>
<td>□ Slight</td>
<td>□ Slight</td>
<td>□ Slight</td>
<td>□ Slight</td>
</tr>
<tr>
<td>( ) Slow</td>
<td>□ Moderate</td>
<td>□ Moderate</td>
<td>□ Moderate</td>
<td>□ Moderate</td>
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<tr>
<td>( ) Moderate</td>
<td>□ Severe</td>
<td>□ Severe</td>
<td>□ Severe</td>
<td>□ Severe</td>
</tr>
<tr>
<td>( ) Rapid</td>
<td>□ Very Severe</td>
<td>□ Very Severe</td>
<td>□ Very Severe</td>
<td>□ Very Severe</td>
</tr>
<tr>
<td><strong>C. Depth of soil</strong></td>
<td></td>
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<tr>
<td>( ) Very shallow</td>
<td>□ Slight</td>
<td>□ Slight</td>
<td>□ Slight</td>
<td>□ Slight</td>
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<tr>
<td>( ) Shallow</td>
<td>□ Moderate</td>
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<tr>
<td>( ) Moderate deep</td>
<td>□ Severe</td>
<td>□ Severe</td>
<td>□ Severe</td>
<td>□ Severe</td>
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<tr>
<td>( ) Deep</td>
<td>□ Very Severe</td>
<td>□ Very Severe</td>
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<td>□ Very Severe</td>
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<tr>
<td>( ) Very deep</td>
<td>□ Very Severe</td>
<td>□ Very Severe</td>
<td>□ Very Severe</td>
<td>□ Very Severe</td>
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<tr>
<td><strong>D. Slope</strong></td>
<td></td>
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<tr>
<td>( ) N.L. or gentle 0-3%</td>
<td>□ Slight</td>
<td>□ Slight</td>
<td>□ Slight</td>
<td>□ Slight</td>
</tr>
<tr>
<td>( ) Moderate 3.1-5%</td>
<td>□ Moderate</td>
<td>□ Moderate</td>
<td>□ Moderate</td>
<td>□ Moderate</td>
</tr>
<tr>
<td>( ) Strong 5.1-8%</td>
<td>□ Severe</td>
<td>□ Severe</td>
<td>□ Severe</td>
<td>□ Severe</td>
</tr>
<tr>
<td>( ) Steep 8.1-15%</td>
<td>□ Very Severe</td>
<td>□ Very Severe</td>
<td>□ Very Severe</td>
<td>□ Very Severe</td>
</tr>
<tr>
<td>( ) Very steep 15.1+%</td>
<td>□ Very Severe</td>
<td>□ Very Severe</td>
<td>□ Very Severe</td>
<td>□ Very Severe</td>
</tr>
<tr>
<td><strong>E. Erosion</strong></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>( ) None to slight/moderate</td>
<td>□ Slight</td>
<td>□ Slight</td>
<td>□ Slight</td>
<td>□ Slight</td>
</tr>
<tr>
<td>( ) Severe</td>
<td>□ Moderate</td>
<td>□ Moderate</td>
<td>□ Moderate</td>
<td>□ Moderate</td>
</tr>
<tr>
<td>( ) Very severe</td>
<td>□ Severe</td>
<td>□ Severe</td>
<td>□ Severe</td>
<td>□ Severe</td>
</tr>
<tr>
<td><strong>F. Surface runoff</strong></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>( ) Slow</td>
<td>□ Slight</td>
<td>□ Slight</td>
<td>□ Slight</td>
<td>□ Slight</td>
</tr>
<tr>
<td>( ) Moderate</td>
<td>□ Moderate</td>
<td>□ Moderate</td>
<td>□ Moderate</td>
<td>□ Moderate</td>
</tr>
<tr>
<td>( ) Rapid</td>
<td>□ Severe</td>
<td>□ Severe</td>
<td>□ Severe</td>
<td>□ Severe</td>
</tr>
<tr>
<td><strong>G. Shrink-swell (heaviest layer)</strong></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>( ) Low</td>
<td>□ Slight</td>
<td>□ Slight</td>
<td>□ Slight</td>
<td>□ Slight</td>
</tr>
<tr>
<td>( ) Moderate</td>
<td>□ Moderate</td>
<td>□ Moderate</td>
<td>□ Moderate</td>
<td>□ Moderate</td>
</tr>
<tr>
<td>( ) High</td>
<td>□ Severe</td>
<td>□ Severe</td>
<td>□ Severe</td>
<td>□ Severe</td>
</tr>
<tr>
<td><strong>H. Water table (permanent or temporary)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>( ) Deep (&gt;72&quot;)</td>
<td>□ Slight</td>
<td>□ Slight</td>
<td>□ Slight</td>
<td>□ Slight</td>
</tr>
<tr>
<td>( ) Moderate deep (&gt;40-72&quot;)</td>
<td>□ Moderate</td>
<td>□ Moderate</td>
<td>□ Moderate</td>
<td>□ Moderate</td>
</tr>
<tr>
<td>( ) Shallow (&lt;40&quot;)</td>
<td>□ Severe</td>
<td>□ Severe</td>
<td>□ Severe</td>
<td>□ Severe</td>
</tr>
<tr>
<td><strong>I. Flooding</strong></td>
<td></td>
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<td></td>
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<tr>
<td>( ) None</td>
<td>□ Slight</td>
<td>□ Slight</td>
<td>□ Slight</td>
<td>□ Slight</td>
</tr>
<tr>
<td>( ) Occasional (less than once in 2 years)</td>
<td>□ Moderate</td>
<td>□ Moderate</td>
<td>□ Moderate</td>
<td>□ Moderate</td>
</tr>
<tr>
<td>( ) Frequent (once or more in 2 years)</td>
<td>□ Severe</td>
<td>□ Severe</td>
<td>□ Severe</td>
<td>□ Severe</td>
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</tbody>
</table>

**Final Evaluation**

All factors none to slight
One or more factors moderate, none severe
One or more factors severe, none very severe
One or more factors very severe

<table>
<thead>
<tr>
<th>Score Part I (possible 27)</th>
<th>Score Part II</th>
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<tbody>
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<td></td>
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</table>

**Part I and II – TOTAL SCORE (possible 97)**

Visit North Dakota 4-H on-line at: www.ag.ndsu.nodak.edu/4h-youth.htm

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