

**Lower-State Soil Judging Condition Sheet**

*Lower  
state  
2008*

**Pit #1**

**p.H** – 5.9      **Phosphate** – Medium      **Potash** – High  
**Original Topsoil** - 10 inches  
**Field to consider is** – 25 acres of cropland  
**Most Intensive Use of the Land Required**  
**Other Conditions:** Bordered by Woods. Would like to manage quail for hunting.  
**Use 11 Practices in Part II**

**Pit #2**

**p.H** – 5.2      **Phosphate** – Medium      **Potash** – High  
**Original Topsoil** - 19 inches  
**Field to consider is** – 100 acres - Cultivated  
**Best Use of the land Required**  
**Other Conditions:** Bordered by Pond. Beef Cattle Farmer would like to establish pasture.  
**Use 8 Practices in Part II**

**Pit #3**

**p.H** – 6.0      **Phosphate** – Low      **Potash** – Very Low  
**Original Topsoil** - 25 inches  
**Field to consider is** – 45 acres of Soybeans  
**Most Intensive of the land Required**  
**Other Conditions:** Bordered by woods, road, & stream. Would to attract deer for hunting.  
**Use 14 Practices in Part II**

**Pit #4**

**p.H** – 5.5      **Phosphate** – Low      **Potash** – Low  
**Original Topsoil** - 15 inches  
**Field to consider is** – 20 acres - Cultivated  
**Best Use of the land Required**  
**Other Conditions:** Beef Cattle farm- Needs Hay. Wants to attract quail  
**Use 9 Practices in Part II**

**SOIL JUDGING SCORE CARD**

CONTESTANT NUMBER Key

**Part I Land Class Factors**

**A. SLOPE**

4

- 1. Nearly level
- 2. Gently sloping
- 3. Sloping
- 4. Strongly sloping
- 5. Moderately steep
- 6. Steep
- 7. Very steep

**B. EROSION -WIND & WATER**

4

- 1. Alluvial or Colluvial deposits
- 2. None to slight
- 3. Moderate
- 4. Severe
- 5. Very severe/Gullied

**C. ROOTING DEPTH**

4

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

**D. SURFACE TEXTURE**

3

- 1. Coarse
- 2. Light
- 3. Medium
- 4. Fine

**E. PERMEABILITY**

4

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

**F. DRAINAGE**

5

- 1. Excessive
- 2. Good
- 3. Fair
- 4. Poor
- 5. Very poor

**G. Major Factors-  
 Considered in selecting Land  
 Capability**

- 1. Slope
- 2. Erosion
- 3. Depth
- 4. Texture
- 5. Permeability
- 6. Drainage

**H. LAND CAPABILITY CLASS  
 AND SUBCLASS IF NEEDED**

6

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

**Part II**

**Recommended Land  
 Treatments---Needed for  
 different land capability  
 classes**

Score

3

**USE**

- 1. Cultivated cropland
- 2. Pastureland
- 3. Hayland (Perennials)
- 4. Forestland
- 5. Wildlife land

3

**VEGETATIVE**

- 6. Conservation crop rotation
- 7. Establish strips for wind erosion control
- 8. Do not burn crop residue
- 9. Conservation tillage
- 10. Plant wildlife food strips and/or plots
- 11. Conservation buffer
- 12. Re-establish pasture & / or repair
- 13. Mow or spray pasture or perennials for weed control
- 14. Topseed winter annuals on pasture
- 15. Control grazing
- 16. Thin trees selectively
- 17. Clear-cut and plant to trees
- 18. Pest management
- 19. Planting of native grasses, legumes, and shrubs
- 20. Early successional habitat development/management
- 21. Hedgerow establishment
- 22. Tree planting for wildlife habitat
- 23. Thinning of forestland for wildlife habitat

3

3

**MECHANICAL**

- 24. Farm on contour
- 25. Terrace and farm on contour
- 26. Establish grassed waterways
- 27. Establish drainage system
- 28. Provide water facilities for livestock
- 29. Establish fire breaks
- 30. Control brush or trees
- 31. Control burn
- 32. Streamside management zone

**LIME AND FERTILIZER**

- 33. Apply limestone
- 34. Apply nitrogen
- 35. Apply phosphate
- 36. Apply potash

3  
3  
3  
3

SCORE PART I  
 \_\_\_\_\_ (Possible 30)

SCORE PART II  
 \_\_\_\_\_ (Possible 30)

TOTAL SCORE  
 (Possible 60) \_\_\_\_\_

**SOIL JUDGING SCORE CARD**

CONTESTANT NUMBER Key

**Part I Land Class Factors**

**A. SLOPE**

- 4  1. Nearly level  
 2. Gently sloping **3%**  
 3. Sloping  
 4. Strongly sloping  
 5. Moderately steep  
 6. Steep  
 7. Very steep

**B. EROSION -WIND & WATER**

- 4  1. Alluvial or Colluvial deposits  
 2. None to slight  
 3. Moderate  
 4. Severe  
 5. Very severe/Gullied

**C. ROOTING DEPTH**

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

**D. SURFACE TEXTURE**

- 3  1. Coarse  
 2. Light  
 3. Medium  
 4. Fine

**E. PERMEABILITY**

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

**F. DRAINAGE**

- 4  1. Excessive  
 2. Good  
 3. Fair  
 4. Poor  
 5. Very poor

**G. Major Factors- Considered in selecting Land Capability**

- 2  1. Slope  
 2  2. Erosion  
 3. Depth  
 4. Texture  
 5. Permeability  
 6. Drainage

**H. LAND CAPABILITY CLASS AND SUBCLASS IF NEEDED**

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

**Part II**

Recommended Land Treatments---Needed for different land capability classes

**Score**

4

**USE**

1. Cultivated cropland  
 2. Pastureland  
 3. Hayland (Perennials)  
 4. Forestland  
 5. Wildlife land

**VEGETATIVE**

6. Conservation crop rotation  
 7. Establish strips for wind erosion control  
 8. Do not burn crop residue  
 9. Conservation tillage  
 10. Plant wildlife food strips and/or plots  
 11. Conservation buffer  
 12. Re-establish pasture & / or repair  
 13. Mow or spray pasture or perennials for weed control  
 14. Topseed winter annuals on pasture  
 15. Control grazing  
 16. Thin trees selectively  
 17. Clear-cut and plant to trees  
 18. Pest management  
 19. Planting of native grasses, legumes, and shrubs  
 20. Early successional habitat development/management  
 21. Hedgerow establishment  
 22. Tree planting for wildlife habitat  
 23. Thinning of forestland for wildlife habitat

4

4

4

4

**MECHANICAL**

24. Farm on contour  
 25. Terrace and farm on contour  
 26. Establish grassed waterways  
 27. Establish drainage system  
 28. Provide water facilities for livestock  
 29. Establish fire breaks  
 30. Control brush or trees  
 31. Control burn  
 32. Streamside management zone

**LIME AND FERTILIZER**

33. Apply limestone  
 34. Apply nitrogen  
 35. Apply phosphate  
 36. Apply potash

3  
4  
3

SCORE PART I \_\_\_\_\_ (Possible 30)

SCORE PART II \_\_\_\_\_ (Possible 30)

TOTAL SCORE (Possible 60) \_\_\_\_\_

**SOIL JUDGING SCORE CARD**

CONTESTANT NUMBER Key

**Part I Land Class Factors**

**A. SLOPE**

4

- 1. Nearly level
- 2. Gently sloping
- 3. Sloping
- 4. Strongly sloping
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- 6. Steep
- 7. Very steep

**B. EROSION -WIND & WATER**

3

- 1. Alluvial or Colluvial deposits
- 2. None to slight
- 3. Moderate
- 4. Severe
- 5. Very severe/Gullied

**C. ROOTING DEPTH**

3

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

**D. SURFACE TEXTURE**

4

- 1. Coarse
- 2. Light
- 3. Medium
- 4. Fine

**E. PERMEABILITY**

4

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

**F. DRAINAGE**

4

- 1. Excessive
- 2. Good
- 3. Fair
- 4. Poor
- 5. Very poor

**G. Major Factors- Considered in selecting Land Capability**

2

- 1. Slope
- 2. Erosion
- 3. Depth
- 4. Texture
- 5. Permeability
- 6. Drainage

**H. LAND CAPABILITY CLASS AND SUBCLASS IF NEEDED**

6

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

**Part II**

**Recommended Land Treatments---Needed for different land capability classes**

**Score**

3

**USE**

- 1. Cultivated cropland
- 2. Pastureland
- 3. Hayland (Perennials)
- 4. Forestland
- 5. Wildlife land

**VEGETATIVE**

2  
2  
2  
2  
2  
2

- 6. Conservation crop rotation
- 7. Establish strips for wind erosion control
- 8. Do not burn crop residue
- 9. Conservation tillage
- 10. Plant wildlife food strips and/or plots
- 11. Conservation buffer
- 12. Re-establish pasture & / or repair
- 13. Mow or spray pasture or perennials for weed control
- 14. Topseed winter annuals on pasture
- 15. Control grazing
- 16. Thin trees selectively
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2

2  
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**MECHANICAL**

3  
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- 32. Streamside management zone

**LIME AND FERTILIZER**

- 33. Apply limestone
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2  
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SCORE PART I \_\_\_\_\_ (Possible 30)

SCORE PART II \_\_\_\_\_ (Possible 30)

TOTAL SCORE (Possible 60) \_\_\_\_\_

**SOIL JUDGING SCORE CARD**

CONTESTANT NUMBER Key

**Part I Land Class Factors**

- 4** **A. SLOPE**
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  - 2. Gently sloping
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- 4** **B. EROSION -WIND & WATER**
- 1. Alluvial or Colluvial deposits
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  - 3. Moderate
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- 3** **C. ROOTING DEPTH**
- 1. Deep
  - 2. Moderately deep
  - 3. Shallow
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- 4** **D. SURFACE TEXTURE**
- 1. Coarse
  - 2. Light
  - 3. Medium
  - 4. Fine

- 4** **E. PERMEABILITY**
- 1. Very rapid
  - 2. Rapid
  - 3. Moderate
  - 4. Slow

- 4** **F. DRAINAGE**
- 1. Excessive
  - 2. Good
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- G. Major Factors- Considered in selecting Land Capability**
- 1. Slope
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- 7** **H. LAND CAPABILITY CLASS AND SUBCLASS IF NEEDED**
- 1. Class I
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  - 5. Class V  W
  - 6. Class VI
  - 7. Class VII
  - 8. Class VIII

**Part II Recommended Land Treatments---Needed for different land capability classes**

- Score**
- 4** **USE**
- 1. Cultivated cropland
  - 2. Pastureland
  - 3. Hayland (Perennials)
  - 4. Forestland
  - 5. Wildlife land

- 4** **VEGETATIVE**
- 6. Conservation crop rotation
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  - 8. Do not burn crop residue
  - 9. Conservation tillage
  - 10. Plant wildlife food strips and/or plots
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- 33. Apply limestone
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SCORE PART I \_\_\_\_\_ (Possible 30)

SCORE PART II \_\_\_\_\_ (Possible 30)

TOTAL SCORE (Possible 60) \_\_\_\_\_