

I. SOIL PROPERTIES (5 points each, 45 total)

5 Loess

Alluvium

19-25% 5

7 >35%

Dune q

7 Local overwash

Outwash/Lacustrine flat

Outwash/Lacustrine depression

6

6 26-35%

7

8

A. PARENT MATERIAL

1	Weathered bedrock	

- 2 Till
- Outwash/Lacustrine deposits 3
- Eolian sand 4
- **B. SLOPE**
- 1 0-2%
- 2 3-6%
- 3 7-12%
- 13-18% 4

C. LANDFORM

- Upland hillslope 1
- 2 Upland swell
- 3 Upland flat
 - Upland depression
 - 10 Flood plain 11 Filled depression
- Outwash/Lacustrine hillslope 5
- Outwash/Lacustrine swell 6

D. SURFACE SOIL COLOR GROUP

1 Gray

4

- 2 Brown
- 3 Black

E. PREVIOUS EROSION

- None to slight 1
- Moderate 2
- 3 Severe

SURFACE TEXTURE F.

- 1 Sandv
- 2 Moderately sandy
- 3 Medium
- Moderately clayey 4
- Clayey 5

G. SUBSOIL TEXTURE

- Sandy 1
- Moderately sandy 2
- 3 Medium
- 4 Moderately clayey
- 5 Clayey

H. NATURAL SOIL DRAINAGE

- 1 Poorly
- Somewhat poorly 2
- 3 Moderately well
- 4 Well
- I. LIMITING LAYER
- Bedrock, 0-20 in 1
- 2 Bedrock, 21-40 in
- Dense till, 0-20 in 3
- Dense till, 21-40 in 4
- Fragipan, 0-20 in 5
- 6 Fragipan, 21-40 in
- 7 Coarse sand & gravel, 0-20 in
- 8 Coarse sand & gravel, 21-40 in
- 9 None within 40 in

Copies of this form (4-H-255-W) are available from the Purdue Extension Education Store, www.edustore.purdue.edu.

Indiana Soil Evaluation Scorecard

HOME SITE

4-H-255-W

1

2

3

4

5

6

7

8

II. HOME SITE PRACTICES (3 points each, 72 total) SITE SELECTION AND CONSTRUCTION PRACTICES Α. Yes No В А Is the soil suitable for a homesite? If NO, mark practices 2-24 as No, N/A, or No application А В Preserve trees & plant new ones А В Maintain soil cover during construction А В Improve surface drainage Is the soil suitable for a basement? А В Α В Design for high-clay subsoils Α В Potential construction hazards on slopes В Install diversion structures and drains Α 9 А В Provide foundation drainage High risk for cave-in during construction 10 А В LANDSCAPE AND LAWN PRACTICES В. Manage soil reaction for acid-loving shrubs 11 A - No application; B - Apply sulfur; C - Plant other species 12 Manage soil reaction for lawns A - Apply lime; B - No application; C - Plant other species Yes No B Apply phosphorus (P) to lawn 13 А 14 А В Apply potassium (K) to lawn **ON-SITE SEWAGE DISPOSAL - SUITABILITY** С. No Yes Is soil suitable for an absorption field? 15 А R If No. mark practices 16-24 as No or N/A D. SEPTIC TANK PRACTICES 16 Septic tank outlet filter cleaning interval A - 6 months; B - 1 year; C - N/A 17 Septic tank pumping interval (PI, years) А 1-2 $PI = (D \times G) / 1.000$ В 3 С 4 R D ≥5 _x___) / 1,000 F PI =N/A PI =D=Disp. (Y=7; N=10); G= tank size, gal.; R-Resid. E. SOIL ABSORPTION FIELD PRACTICES Yes No 18 А В Subsurface trench, gravity flow system 19 Subsurface trench, flood dose system А В 20 В Subsurface trench, pressure distrib. system А 21 Elevated sand mound system А В 22 А Elev. sand mound & subsurface drain В 23 Drip distribution & secondary treatment А В А Secondary treatment 24 В Team/Contestant number: Contestant name: School/Club name: _____

Site number:

SCORE

Part 1 (45 points possible): Part II (72 points possible): _____

Total (117 points possible): _____