

LAND EVALUATION

For use in Land Judging and Home Site Evaluation CDEs

CDE Form# 228546

Incorrect Marks Correct Mark



NAME: _____

SCHOOL: _____

DATE: _____

TEAM/SCHOOL ID#

0 1 2 3 4 5 6 7 8 9

STATE

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

FULL NAME: last name followed by a space, followed by first name

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

CODES

Sheet	Test	Team	Student
0	1	2	3
4	5	6	7
8	9	0	1
2	3	4	5
6	7	8	9
0	1	2	3
4	5	6	7
8	9	0	1
2	3	4	5
6	7	8	9
0	1	2	3
4	5	6	7
8	9	0	1
2	3	4	5
6	7	8	9

PART 1 - LAND FACTORS		FIELD NO.			
		1	2	3	4
Slope					
1. Nearly level		1	2	3	4
2. Very gentle		1	2	3	4
3. Gentle		1	2	3	4
4. Sloping		1	2	3	4
5. Strongly sloping		1	2	3	4
6. Steep		1	2	3	4
7. Very steep		1	2	3	4
Topsoil Thickness					
1. Extremely thick		1	2	3	4
2. Very thick		1	2	3	4
3. Thick		1	2	3	4
4. Moderate		1	2	3	4
5. Thin		1	2	3	4
Erosion					
1. None to slight		1	2	3	4
2. Moderate		1	2	3	4
3. Severe		1	2	3	4
Topsoil Texture					
1. Fine		1	2	3	4
2. Medium		1	2	3	4
3. Coarse		1	2	3	4
Permeability of Subsoil					
1. Rapid		1	2	3	4
2. Moderate		1	2	3	4
3. Slow		1	2	3	4
Drainage					
1. Excessively drained		1	2	3	4
2. Well-drained		1	2	3	4
3. Moderate		1	2	3	4
4. Somewhat poor		1	2	3	4
5. Poor		1	2	3	4
6. Very Poor		1	2	3	4
Effective Depth					
1. Deep		1	2	3	4
2. Moderate		1	2	3	4
3. Shallow		1	2	3	4
4. Very Shallow		1	2	3	4

PART 2 - LAND CLASS SUMMARY AND USE

Mark all classes eliminated by each factor. Mark N (none) only if no land classes are eliminated.

	FIELD 1						FIELD 2						FIELD 3						FIELD 4					
	N	1	2	3	4	6	N	1	2	3	4	6	N	1	2	3	4	6	N	1	2	3	4	6
Slope	N	1	2	3	4	6	N	1	2	3	4	6	N	1	2	3	4	6	N	1	2	3	4	6
Topsoil Thickness	N	1	2	3	4	6	N	1	2	3	4	6	N	1	2	3	4	6	N	1	2	3	4	6
Erosion	N	1	2	3	4	6	N	1	2	3	4	6	N	1	2	3	4	6	N	1	2	3	4	6
Topsoil Texture	N	1	2	3	4	6	N	1	2	3	4	6	N	1	2	3	4	6	N	1	2	3	4	6
Permeability of Subsoil	N	1	2	3	4	6	N	1	2	3	4	6	N	1	2	3	4	6	N	1	2	3	4	6
Drainage	N	1	2	3	4	6	N	1	2	3	4	6	N	1	2	3	4	6	N	1	2	3	4	6
Effective Depth	N	1	2	3	4	6	N	1	2	3	4	6	N	1	2	3	4	6	N	1	2	3	4	6
Combination	N	1	2	3	4	6	N	1	2	3	4	6	N	1	2	3	4	6	N	1	2	3	4	6
Land Capability Class	① ② ③ ④ ⑤ ⑦						① ② ③ ④ ⑤ ⑦						① ② ③ ④ ⑤ ⑦						① ② ③ ④ ⑤ ⑦					
Recommended Land Use	Crops <input type="checkbox"/> Pasture <input type="checkbox"/> Forest <input type="checkbox"/>						Crops <input type="checkbox"/> Pasture <input type="checkbox"/> Forest <input type="checkbox"/>						Crops <input type="checkbox"/> Pasture <input type="checkbox"/> Forest <input type="checkbox"/>						Crops <input type="checkbox"/> Pasture <input type="checkbox"/> Forest <input type="checkbox"/>					

PART 3 - ADDITIONAL HOME SITE FACTORS

	FIELD NO.			
	1	2	3	4
Surface Runoff				
Slow	1	2	3	4
Moderate	1	2	3	4
Rapid	1	2	3	4
Flooding				
Not subject to flooding	1	2	3	4
Subject to flooding	1	2	3	4

PART 4 - RECOMMENDED LAND TREATMENTS

VEGETATIVE

1. Use conserving/improving crops occasionally
2. Use conserving/improving crops frequently (1/2 yrs)
3. Use conserving/improving crops very frequently (2/3 yrs)
4. Use conserving/improving crops most of the time (3/4 yrs)
5. Prevent residue burning
6. Mulch with crop residue
7. Use strip crops
8. Use crop rotation
9. Control weeds, brush and trees
10. Established recommended grass/legumes
11. Improve present stand of pasture
12. Control grazing
13. Fence the pasture
14. Use artificial reforestation
15. Use natural reforestation
16. Use prescribed burn occasionally
17. Protect trees from wildfires
18. Control forest insects & diseases
19. Protect trees from animal damage
20. Control undesirable species
21. Harvest trees by clear cutting
22. Harvest trees by selective cutting

- 1
- 2
- 3
- 4

MECHANICAL

23. Terrace the field
24. Maintain field terraces
25. Establish vegetative waterways
26. Construct diversion terraces
27. Plow and cultivate on the contour
28. Control existing gullies

- 1
- 2
- 3
- 4

PLANT NUTRIENTS

29. Apply lime
30. Apply manure
31. Apply nitrogen
32. Apply phosphorous
33. Apply potash

- 1
- 2
- 3
- 4

PART 5 - LIMITATIONS FOR HOME SITES

S = Slight M = Moderate Sv = Severe

SEPTIC SYSTEMS

LAWNS AND LANDSCAPES

FOUNDATIONS FOR BUILDINGS

	SEPTIC SYSTEMS				LAWNS AND LANDSCAPES				FOUNDATIONS FOR BUILDINGS			
	1	2	3	4	1	2	3	4	1	2	3	4
Slope	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv
Topsoil Thickness	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv
Erosion	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv
Topsoil Texture	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv
Permeability of Subsoil	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv
Drainage (Internal)	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv
Effective Depth	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv
Surface Runoff	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv
Flooding	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv
Final Evaluation	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv	S M Sv

PART 6 - TEAM ACTIVITY

Team answers must be recorded on Contestant #1's paper

Section B

Section A

1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9

1. A B C D E	16. A B C D E
2. A B C D E	17. A B C D E
3. A B C D E	18. A B C D E
4. A B C D E	19. A B C D E
5. A B C D E	20. A B C D E
6. A B C D E	21. A B C D E
7. A B C D E	22. A B C D E
8. A B C D E	23. A B C D E
9. A B C D E	24. A B C D E
10. A B C D E	25. A B C D E
11. A B C D E	26. A B C D E
12. A B C D E	27. A B C D E
13. A B C D E	28. A B C D E
14. A B C D E	29. A B C D E
15. A B C D E	30. A B C D E

Land Judging Contestants complete parts 1, 2, 4 and 6 if directed.

Home Site Evaluation Contestants complete parts 1, 3, 5, and 6 if directed.