

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#**

STATE

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

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

A	A
B	B
C	C
D	D
E	E
F	F
G	G
H	H
I	I

[illegible]

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

U U
K K
L L
M M
N N
O O
P P
Q Q
R R
S S
T T
U U
V V
W W
X X
Y Y
Z Z

PART 1 - LAND FACTORS FIELD NO.

Slope	1	2	3	4
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

	FIELD 1		FIELD 2		FIELD 3		FIELD 4	
Land Capability Class	①	② ③ ④ ⑤ ⑥ ⑦	①	② ③ ④ ⑤ ⑥ ⑦	①	② ③ ④ ⑤ ⑥ ⑦	①	② ③ ④ ⑤ ⑥ ⑦
Recommended Land Use	Crops	☐	Crops	☐	Crops	☐	Crops	☐
	Pasture	☐	Pasture	☐	Pasture	☐	Pasture	☐
	Forest	☐	Forest	☐	Forest	☐	Forest	☐

PART 3 - ADDITIONAL HOME SITE FACTORS

FIELD NO.

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

MECHANICAL

	1	2	3	4
23. Terrace the field	1	2	3	4
24. Maintain field terraces	1	2	3	4
25. Establish vegetative waterways	1	2	3	4
26. Construct diversion terraces	1	2	3	4
27. Plow and cultivate on the contour	1	2	3	4
28. Control existing gullies	1	2	3	4

PLANT NUTRIENTS

	1	2	3	4
29. Apply lime	1	2	3	4
30. Apply manure	1	2	3	4
31. Apply nitrogen	1	2	3	4
32. Apply phosphorous	1	2	3	4
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

	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 A

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

Section B

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.