

**Maine Department of Health & Human Services
Division of Environmental Health
Subsurface Wastewater Unit**

2010 Site Evaluator Field Exam Review



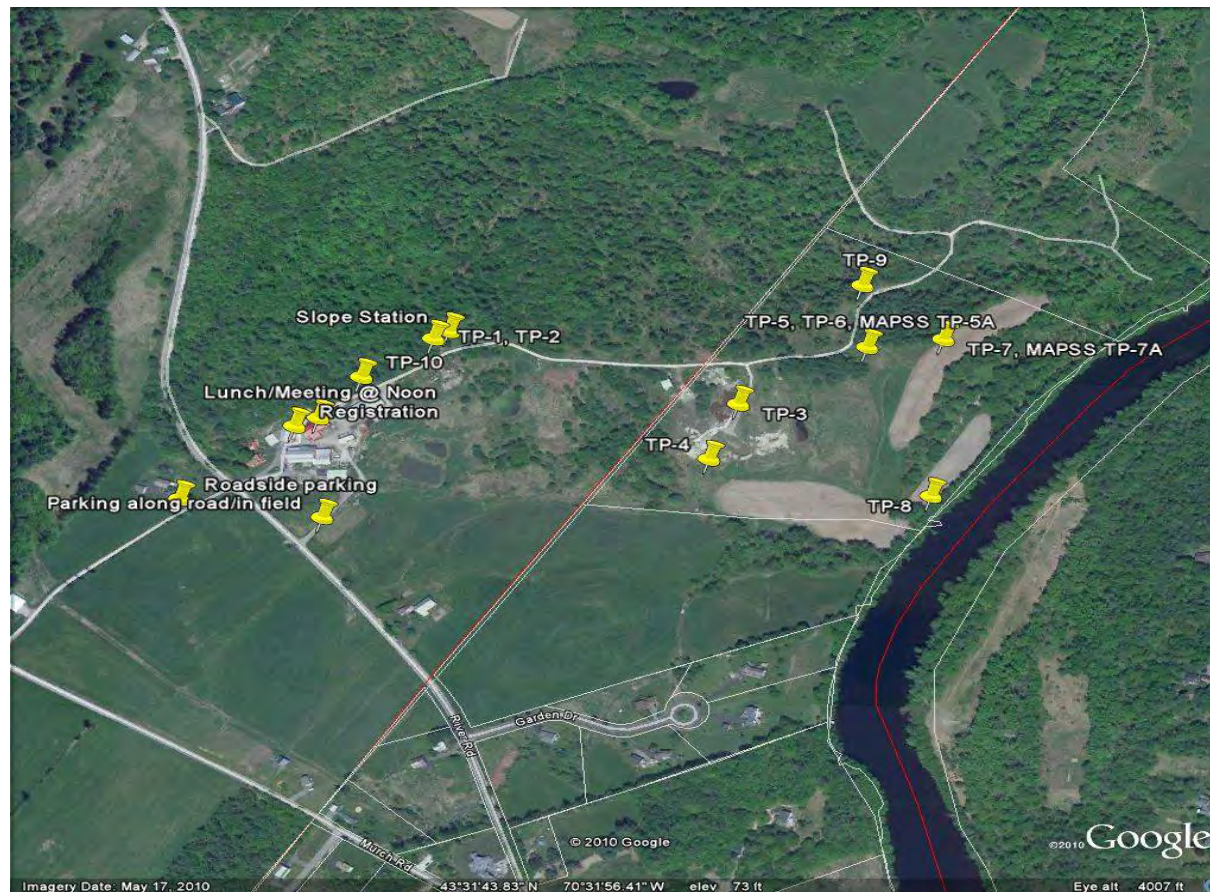
The Subsurface Wastewater Program's annual Site Evaluator Field Exam was held September 29, 2010 at Andy's Agway, River Road, Dayton.

The following presentation comprises a discussion of the soils present in each of the test pits used in the field exam, as determined by the expert assigned to the individual test pits.

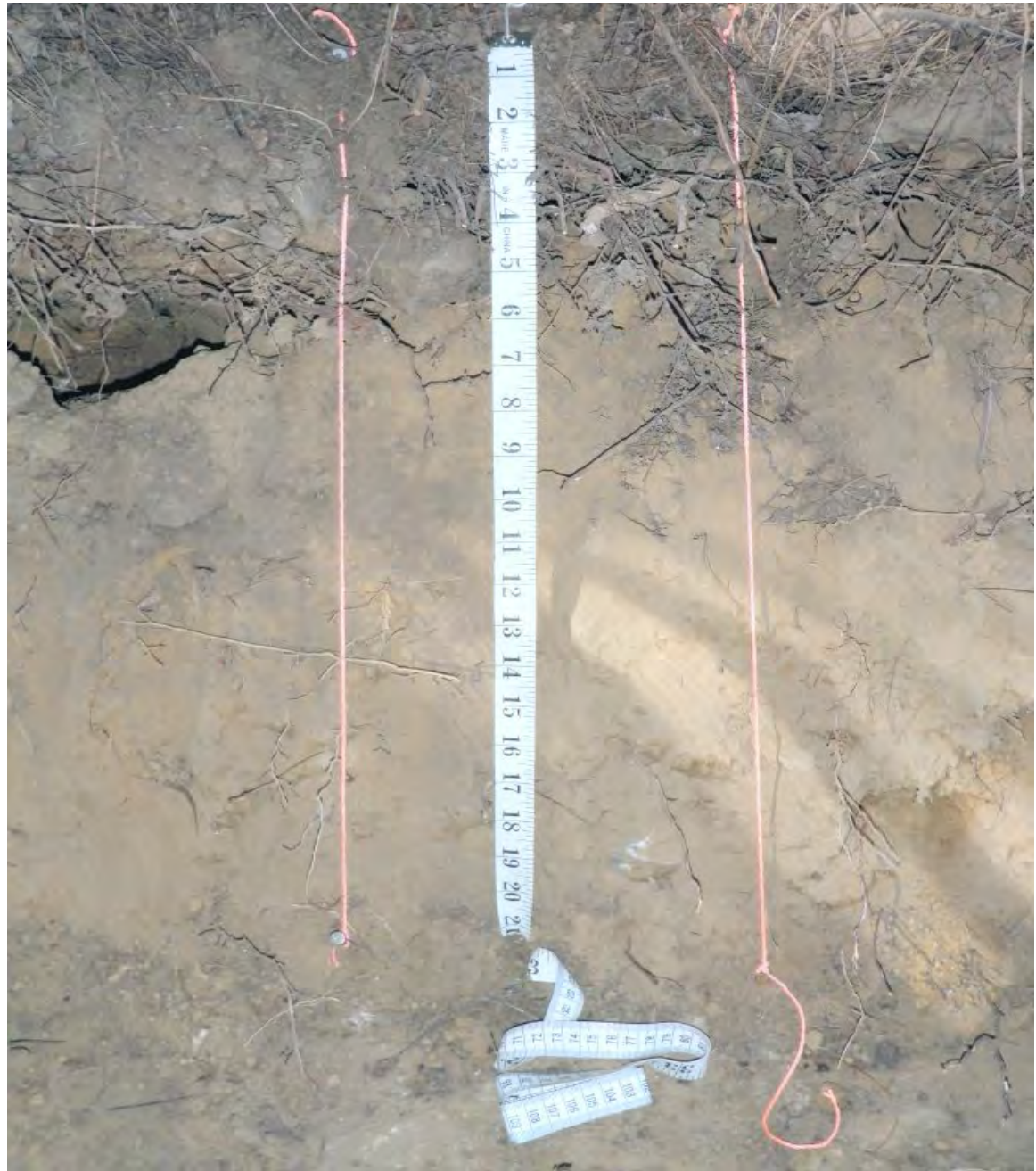
Maine Department of Health & Human Services
Division of Environmental Health
Subsurface Wastewater Unit

2010 Site Evaluator Field Exam Review

Field Exam Test Pit Locations



- Test Pit #1



Test Pit # 1Date: 9/28/10Name: ANSWER SHEET

5 Pts.	
TEXTURE	
0'	FINE SANDY LOAM
2'	LOAMY FINE SAND
4'	
6'	
8'	
10'	
12'	
14'	
16'	
18'	
20'	
22'	
24'	
26'	
28'	
30'	
32'	
34'	
36'	
38'	
40'	
42'	
44'	
46'	
48'	
50'	
52'	
54'	

TERMS	
Sand	
Loamy sand	
Sandy loam	
Loam	
Silt loam	
Silty clay loam	
Silty clay	
Bedrock	

MODIFIERS	
Very fine	
Fine	
Medium	
Coarse	
Gravelly, Stony, Cobbly	

5 Pts.	
CONSISTENCE	
0'	FR
2'	
4'	
6'	FR
8'	
10'	
12'	
14'	
16'	
18'	
20'	
22'	
24'	
26'	
28'	
30'	
32'	
34'	
36'	
38'	
40'	
42'	
44'	
46'	
48'	
50'	
52'	
54'	

TERMS	
Loose	
Friable	
Firm	
Very firm	
Cemented	

5 Pts.	
COLOR	
0'	DK BROWN
2'	
4'	
6'	DK Yellow BRN
8'	
10'	
12'	
14'	
16'	
18'	
20'	
22'	
24'	
26'	
28'	
30'	
32'	
34'	
36'	
38'	
40'	
42'	
44'	
46'	
48'	
50'	
52'	
54'	

TERMS	
Black	
Brown (as mod. add "ish")	
Gray (as mod. add "ish")	
Pink (as mod. add "ish")	
White	
Red (as mod. add "dish")	
Yellow (as mod. add "ish")	
Olive	

MODIFIERS	
Dark, Dusky, Pale, Weak	
Very, Strong, Light	

5 Pts.	
REDOX (MOTTLING)	
0'	
2'	
4'	NONE
6'	
8'	
10'	
12'	
14'	
16'	
18'	
20'	
22'	
24'	
26'	
28'	
30'	
32'	
34'	
36'	
38'	
40'	
42'	
44'	
46'	
48'	
50'	
52'	
54'	

QUANTITY	
None	
Few	
Common	
Many	

5 Pts.	
Possible wetland site?	
<input type="checkbox"/> Yes	
<input checked="" type="checkbox"/> No	

SOIL PARENT MATERIAL		15 Pts.
<input type="checkbox"/> Basal glacial till		
<input checked="" type="checkbox"/> Ablation till		
<input type="checkbox"/> Stratified glacial drift		
<input type="checkbox"/> Mixed origin		
<input type="checkbox"/> Marine deposit		
<input type="checkbox"/> Lacustrine		
<input type="checkbox"/> Organic		
<input type="checkbox"/> Alluvial		
<input type="checkbox"/> Filled Site		

SOIL PROFILE		20 Pts.
<input type="checkbox"/> 1		
<input type="checkbox"/> 2		
<input type="checkbox"/> 3		
<input checked="" type="checkbox"/> 4		
<input type="checkbox"/> 5		
<input type="checkbox"/> 6		
<input type="checkbox"/> 7		
<input type="checkbox"/> 8		
<input type="checkbox"/> 9		
<input type="checkbox"/> 10		
<input type="checkbox"/> 11		
<input type="checkbox"/> 12		

SOIL CONDITION		20 Pts.
<input type="checkbox"/> A0		
<input type="checkbox"/> A1		
<input type="checkbox"/> A2		
<input checked="" type="checkbox"/> A3		
<input type="checkbox"/> B		
<input type="checkbox"/> C		
<input type="checkbox"/> D1		
<input type="checkbox"/> D2		
<input type="checkbox"/> E		

DEPTH TO LIMITING FACTORS (In Inches)		5 Pts.
Bedrock	22	

Seasonal Water Table		5 Pts.
Seasonal Water Table	NONE	

Restrictive Horizon		5 Pts.
Restrictive Horizon	NONE	

MOST LIMITING HORIZON		5 Pts.
<input type="checkbox"/> None		
<input checked="" type="checkbox"/> Bedrock		
<input type="checkbox"/> Seasonal water table		
<input type="checkbox"/> Restrictive horizon		

- Test Pit #2



Test Pit # 4Date: 7/28/10Name: ANSWER

5 Pts.

TEXTURE

0" Fine Sandy loam

6" Sandy loam

12" Sandy loam -

18" Fine loamy sand

24"

30"

36"

42"

48"

54"

TERMS

Sand
Loamy sand
Sandy loam
Loam
Silt loam
Silty clay loam
Silty clay
Bedrock

MODIFIERS

Very fine
Fine
Medium
Coarse
Gravelly, Stony, Cobbly

5 Pts.

CONSISTENCE

0" Friable

6"

12"

18"

24" Firm

30"

36"

42"

48"

54"

TERMS

Loose
Friable
Firm
Very firm
Cemented

5 Pts.

COLOR

0" DK Brown -

6" OLIVE BROWN

12" Yellow-Brown

18"

24" LT OLIVE BROWN

30"

36" OLIVE BROWN

42"

48"

54"

TERMS

Black
Brown (as mod. add "ish")
Gray (as mod. add "ish")
Pink (as mod. add "ish")
White
Red (as mod. add "dish")
Yellow (as mod. add "ish")
Olive

MODIFIERS

Dark, Dusky, Pale, Weak
Very, Strong, Light

5 Pts.

REDOX (MOTTLING)

0"

6" NONE

12"

18"

24"

30"

36" FEW

42"

48"

54"

QUANTITY

None
Few
Common
Many

5 Pts.

Possible wetland site?

☐ Yes
☒ No

15

SOIL PARENT MATERIAL

☐ Basal glacial till
☐ Ablation till
☐ Stratified glacial drift
☒ Mixed origin
☐ Marine deposit
☐ Lacustrine
☐ Organic
☐ Alluvial
☐ Filled Site

20

SOIL PROFILE

☐ 1
☐ 2
☐ 3
☐ 4
☐ 5
☐ 6
☒ 7
☐ 8
☐ 9
☐ 10
☐ 11
☐ 12

20

SOIL CONDITION

☐ A0
☐ A1
☐ AII
☐ AIII
☐ B
☒ C
☐ DII
☐ DI
☐ E

DEPTH TO LIMITING FACTORS (in inches)

Bedrock 248 5

Seasonal Water Table 35 5

Restrictive Horizon 20 5

5

MOST LIMITING HORIZON

☐ None
☐ Bedrock
☐ Seasonal water table
☒ Restrictive horizon

- Test Pit #3



Date: 1/23/10Name: HOSWER

5 Pts.	TEXTURE
0"	Loamy sand
6"	
12"	Gravelly MED sand
18"	Sandy Gravel
24"	
30"	SAND
36"	Sandy Gravel
42"	SAND
48"	Gravelly SAND
54"	SAND

TERMS
Sand
Loamy sand
Sandy loam
Loam
Silt loam
Silty clay loam
Silty clay
Bedrock
MODIFIERS
Very fine
Fine
Medium
Coarse
Gravelly, Stony, Cobbly

5 Pts.	CONSISTENCE
0"	Friable
6"	
12"	Loose
18"	
24"	
30"	
36"	
42"	
48"	
54"	

TERMS
Loose
Friable
Firm
Very firm
Cemented

5 Pts.	COLOR
0"	DK Grey
6"	yellow Brown
12"	LT Yellow Brown
18"	
24"	DK olive Brown to Greyish Brown
30"	Yellowish
36"	olive
42"	Yellow
48"	olive
54"	Yellow

TERMS
Black
Brown (as mod. add "ish")
Gray (as mod. add "ish")
Pink (as mod. add "ish")
White
Red (as mod. add "dish")
Yellow (as mod. add "ish")
Olive
MODIFIERS
Dark, Dusky, Pale, Weak
Very, Strong, Light

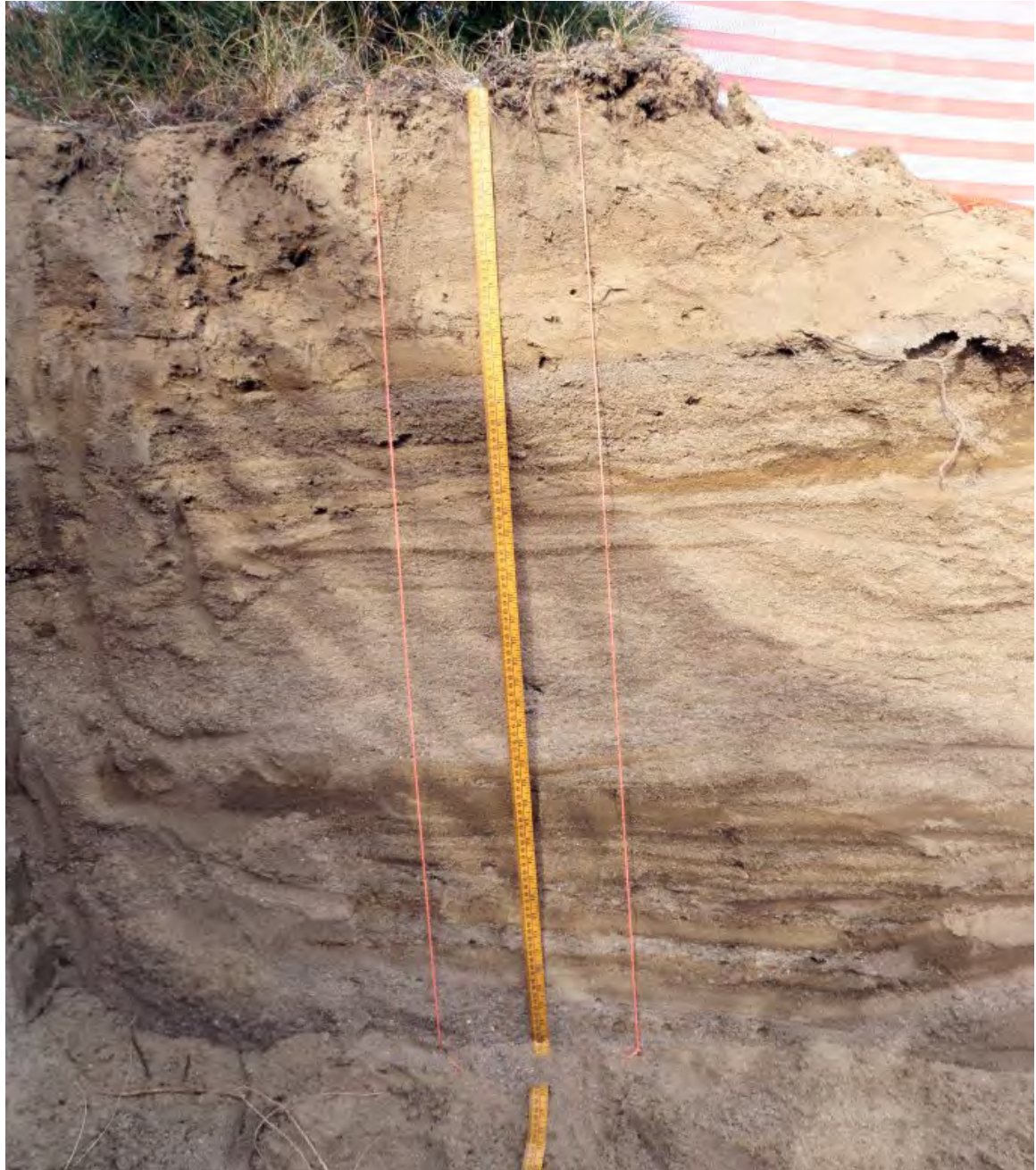
5 Pts.	REDOX (MOTTLING)
0"	
6"	NONE
12"	
18"	
24"	
30"	
36"	
42"	
48"	
54"	

QUANTITY
None
Few
Common
Many

5 Pts.	Possible wetland site?
<input type="checkbox"/>	Yes
<input checked="" type="checkbox"/>	No

SOIL PARENT MATERIAL	
<input type="checkbox"/>	Basal glacial till
<input type="checkbox"/>	Ablation till
<input checked="" type="checkbox"/>	Stratified glacial drift
<input type="checkbox"/>	Mixed origin
<input type="checkbox"/>	Marine deposit
<input type="checkbox"/>	Lacustrine
<input type="checkbox"/>	Organic
<input type="checkbox"/>	Alluvial
<input type="checkbox"/>	Filled Site
SOIL PROFILE	
<input type="checkbox"/>	1
<input type="checkbox"/>	2
<input type="checkbox"/>	3
<input type="checkbox"/>	4
<input type="checkbox"/>	5
<input checked="" type="checkbox"/>	6
<input type="checkbox"/>	7
<input type="checkbox"/>	8
<input type="checkbox"/>	9
<input type="checkbox"/>	10
<input type="checkbox"/>	11
<input type="checkbox"/>	12
SOIL CONDITION	
<input type="checkbox"/>	A0
<input type="checkbox"/>	A1
<input checked="" type="checkbox"/>	A11
<input type="checkbox"/>	A111
<input checked="" type="checkbox"/>	B
<input type="checkbox"/>	C
<input type="checkbox"/>	D11
<input type="checkbox"/>	DI
<input type="checkbox"/>	E
DEPTH TO LIMITING FACTORS (In Inches)	
Bedrock	<u>748</u> "
Seasonal Water Table	<u>748</u> "
Restrictive Horizon	<u>> 48</u> "
MOST LIMITING HORIZON	
<input checked="" type="checkbox"/>	None
<input type="checkbox"/>	Bedrock
<input type="checkbox"/>	Seasonal water table
<input type="checkbox"/>	Restrictive horizon

- Test Pit #4



Date: 7/28/10Name: HANSWER

5 Pts. TEXTURE	
0"	Loamy Sand -
6"	FINE SAND
12"	
18"	MED.
24"	SAND
30"	
36"	FINE-MED
42"	SAND
48"	
54"	

TERMS
Sand
Loamy sand
Sandy loam
Loam
Silt loam
Silty clay loam
Silty clay
Bedrock

MODIFIERS
Very fine
Fine
Medium
Coarse
Gravelly, Stony, Cobble

5 Pts. CONSISTENCE	
0"	
6"	Loose
12"	
18"	
24"	
30"	
36"	
42"	
48"	
54"	

TERMS
Loose
Friable
Firm
Very firm
Cemented

5 Pts. COLOR	
0"	Lt Yellowish
6"	Brown
12"	
18"	Lt olive Brown
24"	
30"	
36"	OLIVE BROWN
42"	
48"	Lt olive Brown
54"	

TERMS
Black
Brown (as mod. add "ish")
Gray (as mod. add "ish")
Pink (as mod. add "ish")
White
Red (as mod. add "dish")
Yellow (as mod. add "ish")
Olive

MODIFIERS
Dark, Dusky, Pale, Weak
Very, Strong, Light

5 Pts. REDOX (MOTTLING)	
0"	
6"	None
12"	
18"	
24"	
30"	
36"	
42"	
48"	
54"	

QUANTITY
None
Few
Common
Many

5 Pts. Possible wetland site?
<input type="checkbox"/> Yes
<input type="checkbox"/> No

SOIL PARENT MATERIAL	
<input type="checkbox"/> Basal glacial till	
<input type="checkbox"/> Ablation till	
<input checked="" type="checkbox"/> Stratified glacial drift	
<input type="checkbox"/> Mixed origin	
<input type="checkbox"/> Marine deposit	
<input type="checkbox"/> Lacustrine	
<input type="checkbox"/> Organic	
<input type="checkbox"/> Alluvial	
<input type="checkbox"/> Filled Site	

SOIL PROFILE	
<input type="checkbox"/> 1	
<input type="checkbox"/> 2	
<input type="checkbox"/> 3	
<input type="checkbox"/> 4	
<input checked="" type="checkbox"/> 5	
<input type="checkbox"/> 6	
<input type="checkbox"/> 7	
<input type="checkbox"/> 8	
<input type="checkbox"/> 9	
<input type="checkbox"/> 10	
<input type="checkbox"/> 11	
<input type="checkbox"/> 12	

SOIL CONDITION	
<input type="checkbox"/> A0	
<input type="checkbox"/> A1	
<input type="checkbox"/> A11	
<input type="checkbox"/> A111	
<input checked="" type="checkbox"/> B	
<input type="checkbox"/> C	
<input type="checkbox"/> D11	
<input type="checkbox"/> D1	
<input type="checkbox"/> E	

DEPTH TO LIMITING FACTORS (in inches)	
Bedrock <u>NONE</u>	
Seasonal Water Table <u>NONE</u>	
Restrictive Horizon <u>NONE</u>	

MOST LIMITING HORIZON	
<input checked="" type="checkbox"/> None	
<input type="checkbox"/> Bedrock	
<input type="checkbox"/> Seasonal water table	
<input type="checkbox"/> Restrictive horizon	

- Test Pit #5



5 Pts.	
TEXTURE	
0"	Silt loam
2"	
4"	
6"	
8"	
10"	
12"	
14"	Silty clay
16"	Loam
18"	
20"	
22"	
24"	
26"	
28"	
30"	
32"	
34"	
36"	Silty clay
38"	
40"	
42"	
44"	
46"	
48"	
50"	
52"	
54"	

TERMS	
Sand	
Loamy sand	
Sandy loam	
Loam	
Silt loam	
Silty clay loam	
Silty clay	
Bedrock	

MODIFIERS	
Very fine	
Fine	
Medium	
Coarse	
Gravelly, Stony, Cobbly	

5 Pts.	
CONSISTENCE	
0"	Friable
2"	
4"	
6"	
8"	
10"	
12"	Firm
14"	
16"	
18"	
20"	
22"	
24"	
26"	
28"	
30"	
32"	
34"	
36"	
38"	
40"	
42"	
44"	
46"	
48"	
50"	
52"	
54"	

TERMS	
Loose	
Friable	
Firm	
Very firm	
Cemented	

5 Pts.	
COLOR	
0"	DK. GRAYISH BROWN
2"	
4"	
6"	
8"	
10"	
12"	Grey
14"	
16"	
18"	
20"	
22"	
24"	
26"	
28"	
30"	
32"	
34"	
36"	
38"	
40"	
42"	Grey
44"	Combo
46"	
48"	
50"	
52"	
54"	

TERMS	
Black	
Brown (as mod. add "ish")	
Gray (as mod. add "ish")	
Pink (as mod. add "ish")	
White	
Red (as mod. add "ish")	
Yellow (as mod. add "ish")	
Olive	

MODIFIERS	
Dark, Dusky, Pale, Weak	
Very, Strong, Light	

5 Pts.	
REDOX (MOTTLING)	
0"	↑
2"	Few
4"	
6"	
8"	
10"	
12"	
14"	
16"	
18"	
20"	
22"	
24"	
26"	
28"	
30"	
32"	
34"	
36"	
38"	
40"	
42"	
44"	
46"	
48"	
50"	
52"	
54"	

QUANTITY	
None	
Few	
Common	
Many	

5 Pts.	
Possible wetland site?	
<input checked="" type="checkbox"/> Yes	
<input type="checkbox"/> NO	

SOIL PARENT MATERIAL	
<input type="checkbox"/> Basal glacial till	
<input type="checkbox"/> Ablation till	
<input type="checkbox"/> Stratified glacial drift	
<input type="checkbox"/> Mixed origin	
<input checked="" type="checkbox"/> Marine deposit	
<input type="checkbox"/> Lacustrine	
<input type="checkbox"/> Organic	
<input type="checkbox"/> Alluvial	
<input type="checkbox"/> Filled Site	

SOIL PROFILE	
<input type="checkbox"/> 1	
<input type="checkbox"/> 2	
<input type="checkbox"/> 3	
<input type="checkbox"/> 4	
<input type="checkbox"/> 5	
<input type="checkbox"/> 6	
<input type="checkbox"/> 7	
<input type="checkbox"/> 8	
<input checked="" type="checkbox"/> 9	
<input type="checkbox"/> 10	
<input type="checkbox"/> 11	
<input type="checkbox"/> 12	

SOIL CONDITION	
<input type="checkbox"/> A0	
<input type="checkbox"/> A1	
<input type="checkbox"/> A11	
<input type="checkbox"/> A111	
<input type="checkbox"/> B	
<input type="checkbox"/> C	
<input type="checkbox"/> D11	
<input type="checkbox"/> D1	
<input checked="" type="checkbox"/> E	

DEPTH TO LIMITING FACTORS (in inches)	
Bedrock	N/A
Seasonal Water Table	0-6"
Restrictive Horizon	7"

MOST LIMITING HORIZON	
<input type="checkbox"/> None	
<input type="checkbox"/> Bedrock	
<input checked="" type="checkbox"/> Seasonal water table	
<input type="checkbox"/> Restrictive horizon	

- Test Pit #6



Date: 7/28/10Name: Answer

5 Pts.

TEXTURE

0" Silt Loam

6"

12"

18"

24" Silty clay loam

30"

36"

42"

48"

54"

TERMS

Sand
Loamy sand
Sandy loam
Loam
Silt loam
Silty clay loam
Silty clay
Bedrock

MODIFIERS

Very fine
Fine
Medium
Coarse
Gravelly, Stony, Cobbly

5 Pts.

CONSISTENCE

0" Friable

6"

12" Firm

18" Very Firm

24"

30"

36"

42"

48"

54"

TERMS

Loose
Friable
Firm
Very firm
Cemented

5 Pts.

COLOR

0" DK greyish brown

6" olive brown

12" olive grey

18"

24" grey

30"

36"

42"

48"

54"

TERMS

Black
Brown (as mod. add "ish")
Gray (as mod. add "ish")
Pink (as mod. add "ish")
White
Red (as mod. add "dish")
Yellow (as mod. add "ish")
Olive

MODIFIERS

Dark, Dusky, Pale, Weak
Very, Strong, Light

5 Pts.

REDOX (MOTTLING)

0" None

6"

12"

18"

24"

30"

36"

42"

48"

54"

QUANTITY

None
Few
Common
Many

5 Pts.

Possible wetland site?

☒ Yes
☐ No

11

SOIL PARENT MATERIAL

☐ Basal glacial till
☐ Ablation till
☐ Stratified glacial drift
☐ Mixed origin
☒ Marine deposit
☐ Lacustrine
☐ Organic
☐ Alluvial
☐ Filled Site

20

SOIL PROFILE

☐ 1
☐ 2
☐ 3
☐ 4
☐ 5
☐ 6
☐ 7
☐ 8
☒ 9
☐ 10
☐ 11
☐ 12

20

SOIL CONDITION

☐ A0
☐ A1
☐ A11
☐ A111
☐ B
☐ C
☐ D11
☒ D1
☒ E

DEPTH TO LIMITING FACTORS (in inches)

Bedrock NONE

Seasonal Water Table 7-9

Restrictive Horizon 9-11

51

51

51

51

MOST LIMITING HORIZON

☐ None
☐ Bedrock
☒ Seasonal water table
☐ Restrictive horizon

- Test Pit #7



Date: 11/23/11

Name: HUSWER

5 Pts.	
TEXTURE	
0"	SANDY LOAM
6"	
12"	LOAMY FINE SAND
18"	
24"	
30"	LOAMY VERY FINE SAND
36"	
42"	
48"	LOAMY SAND
54"	

TERMS	
Sand	
Loamy sand	
Sandy loam	
Loam	
Silt loam	
Silty clay loam	
Silty clay	
Bedrock	

MODIFIERS	
Very fine	
Fine	
Medium	
Coarse	
Gravelly, Stony, Cobbly	

5 Pts.	
CONSISTENCE	
0"	FRIABLE
6"	
12"	
18"	
24"	FIRM
30"	
36"	
42"	IRON
48"	CONCRETION
54"	

TERMS	
Loose	
Friable	
Firm	
Very firm	
Cemented	

5 Pts.	
COLOR	
0"	BROWN
6"	
12"	YELLOWISH BROWN
18"	LT BLUE BROWN
24"	
30"	
36"	
42"	DK REDDISH
48"	BROWN
54"	

TERMS	
Black	
Brown (as mod. add "ish")	
Gray (as mod. add "ish")	
Pink (as mod. add "ish")	
White	
Red (as mod. add "dish")	
Yellow (as mod. add "ish")	
Olive	

MODIFIERS	
Dark, Dusky, Pale, Weak	
Very, Strong, Light	

5 Pts.	
REDOX (MOTTLING)	
0"	
6"	
12"	FEW
18"	
24"	COMMON
30"	
36"	
42"	
48"	
54"	

QUANTITY	
None	
Few	
Common	
Many	

5 Pts.	
Possible wetland site?	
<input type="checkbox"/> Yes	
<input checked="" type="checkbox"/> No	

SOIL PARENT MATERIAL	
<input type="checkbox"/> Basal glacial till	
<input type="checkbox"/> Ablation till	
<input type="checkbox"/> Stratified glacial drift	
<input checked="" type="checkbox"/> Mixed origin	
<input type="checkbox"/> Marine deposit	
<input type="checkbox"/> Lacustrine	
<input type="checkbox"/> Organic	
<input type="checkbox"/> Alluvial	
<input type="checkbox"/> Filled Site	

SOIL PROFILE	
<input type="checkbox"/> 1	
<input type="checkbox"/> 2	
<input type="checkbox"/> 3	
<input type="checkbox"/> 4	
<input type="checkbox"/> 5	
<input type="checkbox"/> 6	
<input checked="" type="checkbox"/> 7	
<input type="checkbox"/> 8	
<input type="checkbox"/> 9	
<input type="checkbox"/> 10	
<input type="checkbox"/> 11	
<input type="checkbox"/> 12	

SOIL CONDITION	
<input type="checkbox"/> A0	
<input type="checkbox"/> A1	
<input type="checkbox"/> AII	
<input type="checkbox"/> AIII	
<input type="checkbox"/> B	
<input checked="" type="checkbox"/> C	
<input type="checkbox"/> DII	
<input type="checkbox"/> DI	
<input type="checkbox"/> E	

DEPTH TO LIMITING FACTORS (In Inches)	
Bedrock	NONE
Seasonal Water Table	21-23
Restrictive Horizon	23

MOST LIMITING HORIZON	
<input type="checkbox"/> None	
<input type="checkbox"/> Bedrock	
<input checked="" type="checkbox"/> Seasonal water table	
<input type="checkbox"/> Restrictive horizon	

- Test Pit #8



Test Pit # ✓Date: 1/28/10Name: ANSWER

5 Pts.

TEXTURE

0' Loamy very
FINE SAND

6'

12'

18'

24'

30'

36' Very FINE
SAND

42'

48'

54'

TERMS

Sand
Loamy sand
Sandy loam
Loam
Silt loam
Silty clay loam
Silty clay
Bedrock

MODIFIERS

Very fine
Fine
Medium
Coarse
Gravelly, Stony, Cobbly

5 Pts.

CONSISTENCE

0' FRIABLE

6'

12'

18'

24'

30'

36'

42'

48'

54'

TERMS

Loose
Friable
Firm
Very firm
Cemented

5 Pts.

COLOR

0' LT GRAY
BROWN

6'

12'

18'

24'

30'

36' LT OLIVE BROWN

42'

48'

54'

TERMS

Black
Brown (as mod. add "ish")
Gray (as mod. add "ish")
Pink (as mod. add "ish")
White
Red (as mod. add "dish")
Yellow (as mod. add "ish")
Olive

MODIFIERS

Dark, Dusky, Pale, Weak
Very, Strong, Light

5 Pts.

REDOX (MOTTLING)

0'

6'

12' NONE

18'

24'

30'

36'

42'

48'

54'

QUANTITY

None
Few
Common
Many

5 Pts.

Possible wetland site?

☐ Yes
☒ No

15

SOIL PARENT MATERIAL

☐ Basal glacial till
☐ Ablation till
☐ Stratified glacial drift
☐ Mixed origin
☐ Marine deposit
☐ Lacustrine
☐ Organic
☒ Alluvial
☐ Filled Site

20

SOIL PROFILE

☐ 1
☐ 2
☐ 3
☐ 4
☐ 5
☐ 6
☐ 7
☐ 8
☐ 9
☐ 10
☒ 11
☐ 12

20

SOIL CONDITION

☐ A0
☐ A1
☐ A11
☐ A111
☒ B
☐ C
☐ D11
☐ D1
☐ E

5

DEPTH TO LIMITING FACTORS (in inches)

Bedrock NONE "

Seasonal Water Table NONE "

Restrictive Horizon NONE "

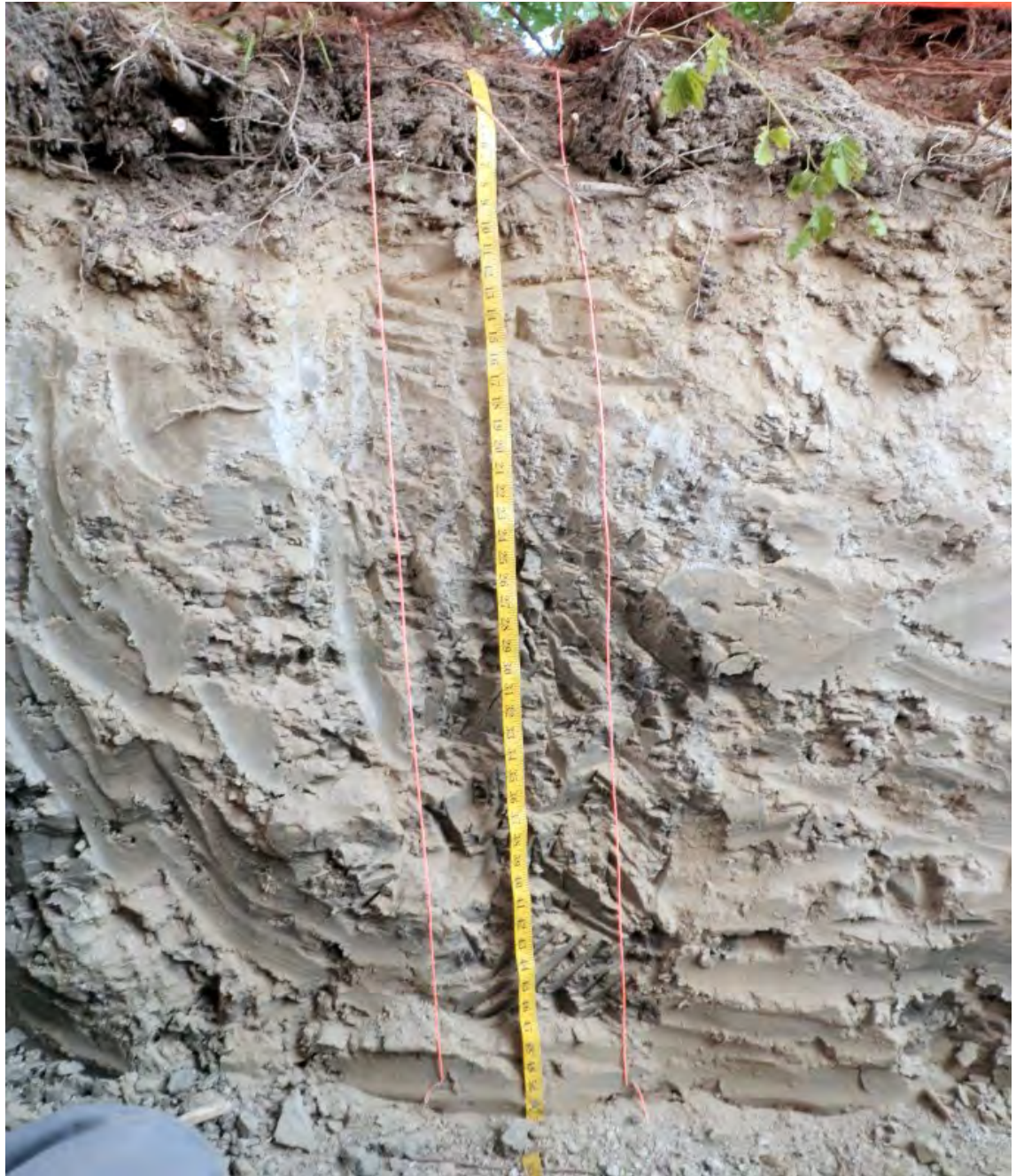
5

MOST LIMITING HORIZON

☒ None
☐ Bedrock
☐ Seasonal water table
☐ Restrictive horizon

5

- Test Pit #9



TEST PIT # 1Date: 7/28/10Name: HASWER

5 Pts.

TEXTURE

0" LOAM

6" LOAM

12" Silt loam

18" LOAM

24" LOAM

30" Silty clay

36" LOAM

42" LOAM

48" LOAM

54" LOAM

TERMS

Sand
Loamy sand
Sandy loam
Loam
Silt loam
Silty clay loam
Silty clay
Bedrock

MODIFIERS

Very fine
Fine
Medium
Coarse
Gravelly, Stony, Cobble

5 Pts.

CONSISTENCE

0" FRIBLE

6" FRIBLE

12" Firm

18" Firm

24" Very Firm

30" Very Firm

36" Very Firm

42" Very Firm

48" Very Firm

54" Very Firm

TERMS

Loose
Friable
Firm
Very firm
Cemented

5 Pts.

COLOR

0" DK BROWN

6" DK BROWN

12" Lt. olive BROWN

18" grayish BROWN

24" grayish BROWN

30" DK. Grey

36" DK. Grey

42" DK. Grey

48" DK. Grey

54" DK. Grey

TERMS

Black
Brown (as mod. add "ish")
Gray (as mod. add "ish")
Pink (as mod. add "ish")
White
Red (as mod. add "ish")
Yellow (as mod. add "ish")
Olive

MODIFIERS

Dark, Dusky, Pale, Weak
Very, Strong, Light

5 Pts.

REDOX (MOTTLING)

0" FEW

6" FEW

12" FEW

18" COMMON

24" COMMON

30" COMMON

36" COMMON

42" COMMON

48" COMMON

54" COMMON

QUANTITY

None
Few
Common
Many

5 Pts.

Possible wetland site?

☐ Yes
☒ No

15

SOIL PARENT MATERIAL

☐ Basal glacial till
☐ Ablation till
☐ Stratified glacial drift
☐ Mixed origin
☐ Marine deposit
☒ Lacustrine
☐ Organic
☐ Alluvial
☐ Filled Site

20

SOIL PROFILE

☐ 1
☐ 2
☐ 3
☐ 4
☐ 5
☐ 6
☐ 7
☒ 8
☐ 9
☐ 10
☐ 11
☐ 12

20

SOIL CONDITION

☐ A0
☐ A1
☐ A2
☐ A3
☐ B
☐ C
☐ D1
☒ D2
☐ E

DEPTH TO LIMITING FACTORS (in inches)

Bedrock NONE 51

Seasonal Water Table 10-12" 51

Restrictive Horizon 10" 51

51

MOST LIMITING HORIZON

☐ None
☐ Bedrock
☐ Seasonal water table
☒ Restrictive horizon

- Test Pit #10



5 Pts.	
TEXTURE	
0"	Fine Sandy LOAM
6"	
12"	
18"	Sandy LOAM
24"	
30"	Loamy Fine SAND
36"	
42"	
48"	
54"	

TERMS
Sand
Loamy sand
Sandy loam
Loam
Silt loam
Silty clay loam
Silty clay
Bedrock

MODIFIERS
Very fine
Fine
Medium
Coarse
Gravelly, Stony, Cobbly

5 Pts.	
CONSISTENCE	
0"	
6"	Friable
12"	
18"	
24"	
30"	Very Firm
36"	
42"	
48"	
54"	

TERMS
Loose
Friable
Firm
Very firm
Cemented

5 Pts.	
COLOR	
0"	DK BROWN
6"	
12"	DK Yellowish BBN
18"	BROWN
24"	
30"	LT. OLIVE BBN
36"	
42"	
48"	
54"	

TERMS
Black
Brown (as mod. add "ish")
Gray (as mod. add "ish")
Pink (as mod. add "ish")
White
Red (as mod. add "dish")
Yellow (as mod. add "ish")
Olive

MODIFIERS
Dark, Dusky, Pale, Weak
Very, Strong, Light

5 Pts.	
REDOX (MOTTLING)	
0"	
6"	
12"	
18"	
24"	FEW
30"	COMMON
36"	
42"	
48"	
54"	

QUANTITY
None
Few
Common
Many

5 Pts.
Possible wetland site?
<input type="checkbox"/> Yes
<input checked="" type="checkbox"/> No

SOIL PARENT MATERIAL	
<input checked="" type="checkbox"/> Basal glacial till	
<input type="checkbox"/> Ablation till	
<input type="checkbox"/> Stratified glacial drift	
<input type="checkbox"/> Mixed origin	
<input type="checkbox"/> Marine deposit	
<input type="checkbox"/> Lacustrine	
<input type="checkbox"/> Organic	
<input type="checkbox"/> Alluvial	
<input type="checkbox"/> Filled Site	

SOIL PROFILE	
<input type="checkbox"/> 1	
<input type="checkbox"/> 2	
<input checked="" type="checkbox"/> 3	
<input type="checkbox"/> 4	
<input type="checkbox"/> 5	
<input type="checkbox"/> 6	
<input type="checkbox"/> 7	
<input type="checkbox"/> 8	
<input type="checkbox"/> 9	
<input type="checkbox"/> 10	
<input type="checkbox"/> 11	
<input type="checkbox"/> 12	

SOIL CONDITION	
<input type="checkbox"/> A0	
<input type="checkbox"/> A1	
<input type="checkbox"/> AII	
<input type="checkbox"/> AIII	
<input type="checkbox"/> B	
<input checked="" type="checkbox"/> C	
<input type="checkbox"/> DII	
<input type="checkbox"/> DI	
<input type="checkbox"/> E	

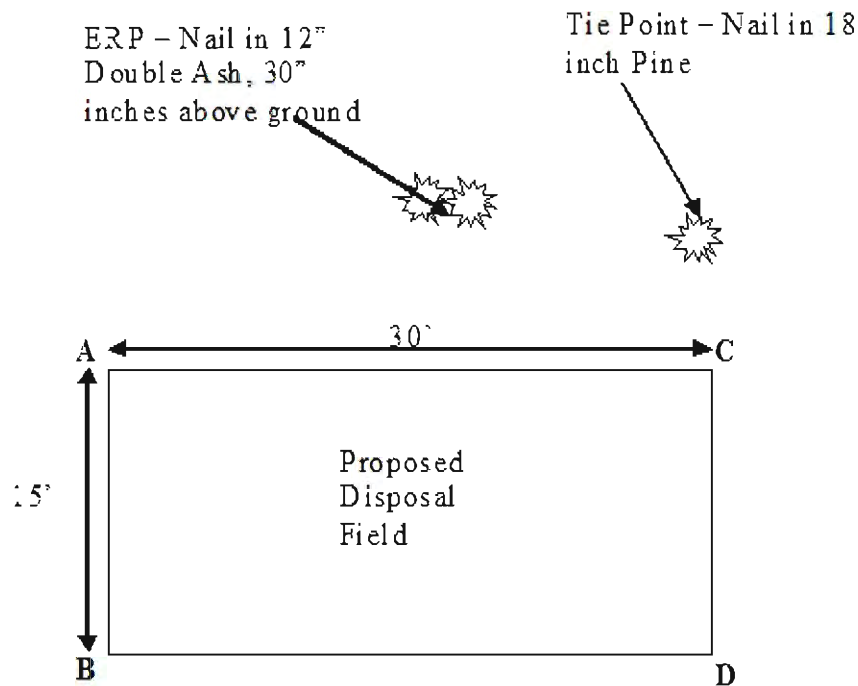
DEPTH TO LIMITING FACTORS (in inches)	
Bedrock	NONE
Seasonal Water Table	24-26"
Restrictive Horizon	24"

MOST LIMITING HORIZON	
<input type="checkbox"/> None	
<input type="checkbox"/> Bedrock	
<input checked="" type="checkbox"/> Seasonal water table	
<input checked="" type="checkbox"/> Restrictive horizon	

Field Exam – September 29, 2010

Name: _____

Date: _____



$$\begin{aligned}
 A &= -56 \frac{3}{4} \text{ ''} \\
 B &= -72 \frac{1}{2} \text{ ''} \\
 \text{Diff.} &= \frac{15 \frac{3}{4} \text{ ''}}{12} / 15 = -8.8\%
 \end{aligned}$$

$$\begin{aligned}
 C &= -55 \frac{1}{2} \text{ ''} \\
 D &= -74 \text{ ''} \\
 \text{Diff} &= \frac{18 \frac{1}{2} \text{ ''}}{12} / 15 = -10.3\%
 \end{aligned}$$

Tie, Bearing, Elevation and Slope Questions - 10 Points

Ties to Bed Corners:

ERP to A = 30' - 4''

ERP to C = 22' - 0''

Tie PT. to C = 14' - 3''

Compass Bearing:

A to C = N 35°

E _____

Elevation Reference Point (ERP):

Reference Elevation: 0'' inches

Existing Ground Elevations:

Elevation at Corner: A = -56 $\frac{3}{4}$ ''

Elevation at Corner: B = -72 $\frac{1}{2}$ ''

Elevation at Corner: C = -55 $\frac{1}{2}$ ''

Elevation at Corner: D = -

Plan Not To Scale.

**Maine Department of Health & Human Services
Division of Environmental Health
Subsurface Wastewater Program**

2008 Site Evaluator Field Exam Review



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