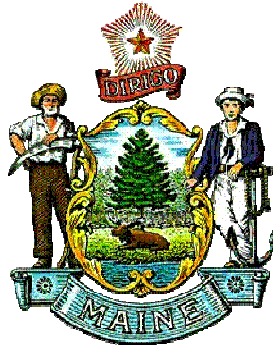


**Maine Department of Health & Human Services
Division of Environmental Health
Subsurface Wastewater Program**

2008 Site Evaluator Field Exam Review



The Subsurface Wastewater Program's annual Site Evaluator Field Exam was held September 24, 2008 at the Hallowell Recreation Area and land owned by Lenard Nason, located along the Town Farm Road, in Hallowell.

The following presentation comprises a discussion of the soils present in each of the ten test pits used in the field exam.

**Maine Department of Health & Human Services
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2008 Site Evaluator Field Exam Review

- Test Pit #1



TEST PIT #1

	Soil Profile	Soil Condition	Depth to Bedrock	Depth to Restrictive Layer	Depth to SHWT	Parent Material
EXPERT						
#1	12/ D5	B	>48	>48	>48	Stratified Glacial Drift
#2	5	B	>48	>48	>48	Stratified Glacial Drift
#3	11	B	>48	>48	>48	Alluvial
#4	12/D5	B	>48	>48	>48	Stratified Glacial Drift
#5	5	B	>48	>48	>48	Stratified Glacial Drift
#6	12/D6	B	>48	38 cemented	>48	Stratified Glacial Drift / Mixed origin fill
DEH/SWP	12/D5	B	>48	>48	>48	Stratified Glacial Drift

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- Test Pit #2



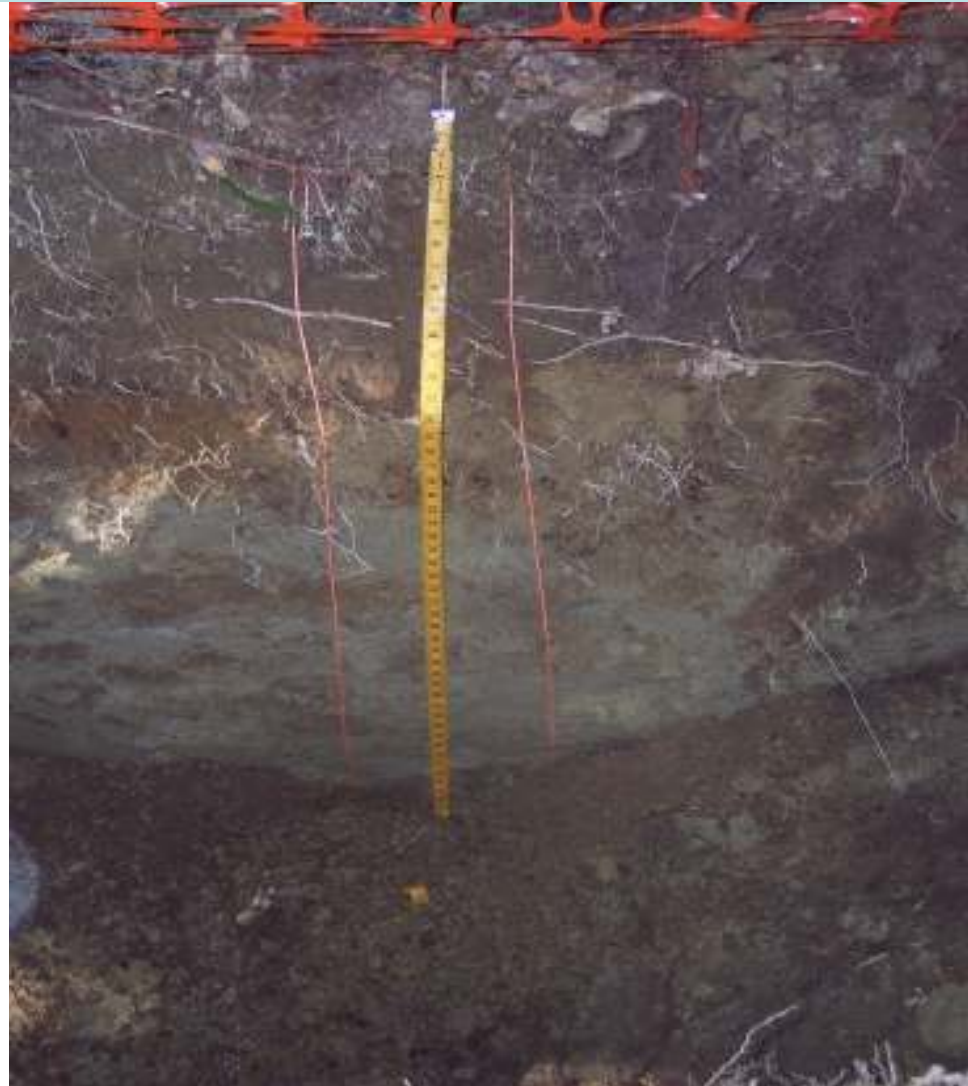
TEST PIT #2

	Soil Profile	Soil Condition	Depth to Bedrock	Depth to Restrictive Layer	Depth to SHWT	Parent Material
EXPERT						
#1	5	B	>48	>48	>48	Stratified Glacial Drift
#2	5	B	>48	>48	>48	Stratified Glacial Drift
#3	5	D	>48	>48	11	Stratified Glacial Drift
#4	5	C	>48	>48	24	Stratified Glacial Drift
#5	5	B	>48	>48	>48	Stratified Glacial Drift
#6	5	C	>48	>48	31	Stratified Glacial Drift
DEH/SWP	5	B	>48	>48	>48	Stratified Glacial Drift

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2008 Site Evaluator Field Exam Review

- **Test Pit #3**



TEST PIT #3

	Soil Profile	Soil Condition	Depth to Bedrock	Depth to Restrictive Layer	Depth to SHWT	Parent Material
EXPERT						
#1	7	C	>48	27	27	Mixed Origin
#2	8	C	>48	21	16	Lacustrine
#3	7	C	>48	18	15	Mixed Origin
#4	7	C	>48	25	17	Mixed Origin
#5	8	C	>48	25	22	Lacustrine
#6	7	C	>48	21	13	Mixed Origin
DEH/SWP	7	C	>48	24	18	Mixed Origin

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- **Test Pit #4**



TEST PIT #4

	Soil Profile	Soil Condition	Depth to Bedrock	Depth to Restrictive Layer	Depth to SHWT	Parent Material
EXPERT						
#1	3	C	>48	25	25	Non-stratified glacial till
#2	3	C	>48	23	20	Non-stratified glacial till
#3	3	C	>48	20	15	Non-stratified glacial till
#4	3	D	>48	22	14	Non-stratified glacial till
#5	3	C	>48	38	23	Non-stratified glacial till
#6	3	C	>48	23	23	Non-stratified glacial till
DEH/SWP	3	C	>48	23	23	Non-stratified glacial till

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- **Test Pit #5**



TEST PIT #5

	Soil Profile	Soil Condition	Depth to Bedrock	Depth to Restrictive Layer	Depth to SHWT	Parent Material
EXPERT						
#1	8	AIII/C	27	21	21	Lacustrine
#2	1	AIII/C	27	22	16	Non-stratified glacial till
#3	3	AIII/D	27	20	11	Non-stratified glacial till
#4	3	AIII/B	26	20	none	Non-stratified glacial till
#5	7	AIII/D	27	20	14	Mixed origin
#6	2	AIII/C	27	13	24	Non-stratified glacial till
DEH/SWP	3/D8	AIII/C	27	20	18	Lacustrine / Non-stratified glacial till

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- Test Pit #6



TEST PIT #6

	Soil Profile	Soil Condition	Depth to Bedrock	Depth to Restrictive Layer	Depth to SHWT	Parent Material
EXPERT						
#1	3	C	>48	35	35	Non-stratified glacial till
#2	3	C	>48	33	28	Non-stratified glacial till
#3	3	C	>48	33	33	Non-stratified glacial till
#4	3	C	>48	35	24	Non-stratified glacial till
#5	3	C	>48	33	26	Non-stratified glacial till
#6	3	C	>48	34	34	Non-stratified glacial till
DEH/SWP	3	C	>48	33	33	Non-stratified glacial till

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- **Test Pit #7**



TEST PIT #7

	Soil Profile	Soil Condition	Depth to Bedrock	Depth to Restrictive Layer	Depth to SHWT	Parent Material
EXPERT						
#1	2	AIII	31	None	None	Non-stratified glacial till
#2	2	AIII/C	30	None	22	Non-stratified glacial till
#3	2	AIII/C	31	None	24	Non-stratified glacial till
#4	3	AIII/C	30	20	20	Non-stratified glacial till
#5	3	AIII/C	30	26	22	Non-stratified glacial till
#6	3	AIII/C	32	22	22	Non-stratified glacial till
DEH/SWP	2	AIII/C	31	None	24	Non-stratified glacial till

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2008 Site Evaluator Field Exam Review

- Test Pit #8



TEST PIT #8

	Soil Profile	Soil Condition	Depth to Bedrock	Depth to Restrictive Layer	Depth to SHWT	Parent Material
EXPERT						
#1	3	C	>48	23	>48	Non-stratified Glacial Till
#2	3	C	>48	18	18	Non-stratified Glacial Till
#3	3	C	>48	18	18	Non-stratified Glacial Till
#4	3	C	>48	20	20	Non-stratified Glacial Till
#5	3	C	>48	>48	18	Non-stratified Glacial Till
#6	3	C	>48	19	19	Non-stratified Glacial Till
DEH/SWP	3	C	>48	19	19	Non-stratified glacial Till

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2008 Site Evaluator Field Exam Review

- **Test Pit #9**



TEST PIT #9

	Soil Profile	Soil Condition	Depth to Bedrock	Depth to Restrictive Layer	Depth to SHWT	Parent Material
EXPERT						
#1	8	D	>48	21	7	Lacustrine
#2	9	D	>48	16	8	Marine Deposit
#3	9	E	>48	13	3	Marine Deposit
#4	9	E	>48	13	6	Marine Deposit
#5	9	E	>48	17	3	Marine Deposit
#6	9	D	>48	15	10	Marine Deposit
DEH/SWP	9	D	>48	15	7	Marine Deposit

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- Test Pit #10



TEST PIT #10

	Soil Profile	Soil Condition	Depth to Bedrock	Depth to Restrictive Layer	Depth to SHWT	Parent Material
EXPERT						
#1	8	E	>48	29	6	Lacustrine
#2	8	E	>48	28	6	Lacustrine
#3	9	E	>48	14	3	Marine Deposit
#4	9	E	>48	27	0	Marine Deposit
#5	9	E	>48	27	6	Marine Deposit
#6	9	E	>48	18	6	Marine Deposit
DEH/SWP	9	E	>48	27	6	Marine Deposit

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- Test Pit #10A



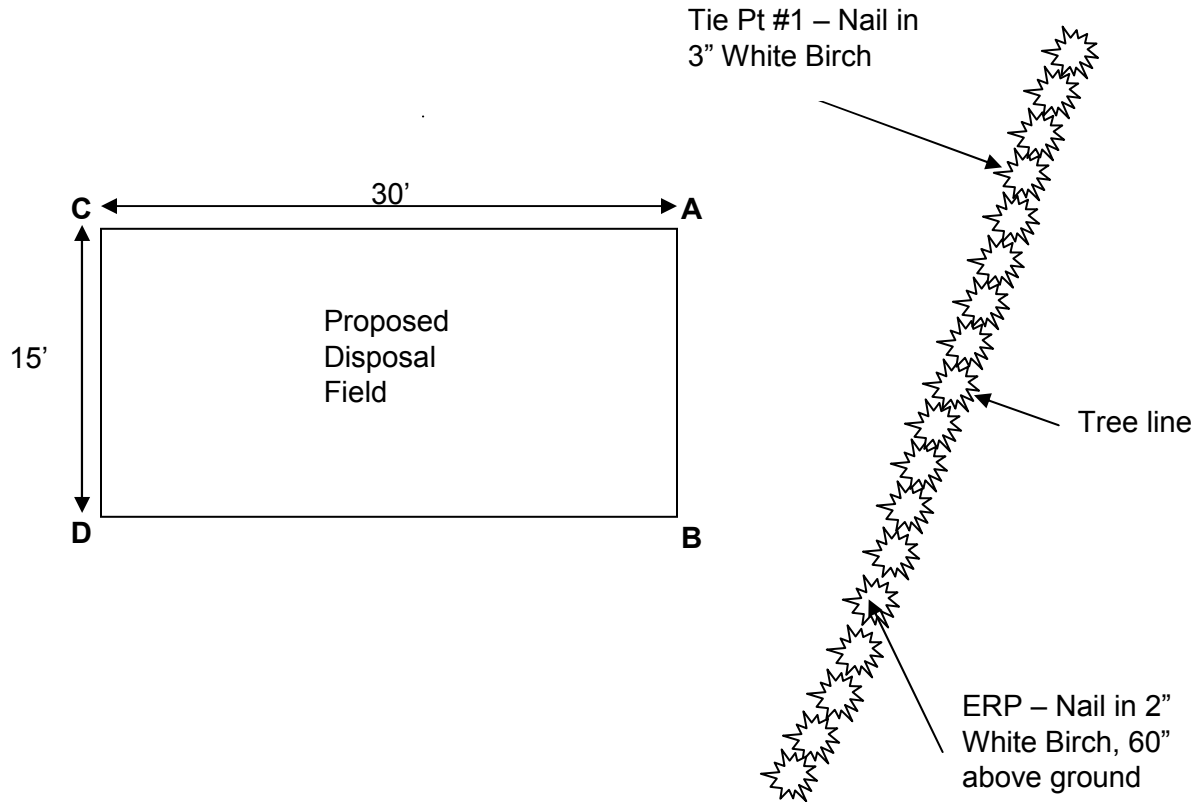
TEST PIT #10A

	Soil Profile	Soil Condition	Depth to Bedrock	Depth to Restrictive Layer	Depth to SHWT	Parent Material
EXPERT						
#1	7	C	>48	>48	29	Mixed Origin
#2						
#3	5	C	>48	25	16	Stratified glacial drift
#4	7	D	>48	17	12	Mixed Origin
#5						
#6	5	C	>48	24	17	Stratified glacial drift
DEH/SWP	7	C	>48	25	17	Mixed Origin

Field Exam – September 24, 2008

Name: _____

Date: _____



Tie, Bearing, Elevation and Slope Questions - 10 Points

Ties to Bed Corners:

Tie Pt. #1 to A = 49'-3"

Tie Pt. #1 to B = 52'-7"

ERP to B = 19'-3"

Compass Bearing:

A to C = N 76° W / 284°

Elevation Reference Point (ERP):

Reference Elevation: 0" inches

Existing Ground Elevations:

Elevation at Corner: A = -34"

Elevation at Corner: B = -50"

Elevation at Corner: C = -26"

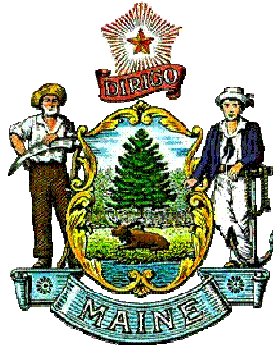
Elevation at Corner: D = -51"

Slope at A to B = -9%

Slope at A to C = +2%

**Maine Department of Health & Human Services
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2008 Site Evaluator Field Exam Review



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