

Soil Profile Descriptions  
Peyser Property-Lot B & C  
700 Mt. Philo Rd  
November 10, 2017 Test Pits  
(with Brian Tremback, Town Septic Consultant)  
November 14, 2017 Auger Holes  
By Stephen Revell CPG  
Licensed Designer 178BW/Senior Hydrogeologist

Auger Hole 1 (AH-1)-LotB

- 0-13" Brown loam, loose to friable, moderate fine blocky structure, well drained
- 12-24" Tan loam, friable, moderate fine blocky structure, redoximorphic features
- 24-36" Brown-gray silt loam, weak blocky structure, redoximorphic features, no water or bedrock to depth

Auger Hole 2 (AH-2)-LotB

- 0-11" Brown loam, loose to friable, moderate fine blocky structure, well drained
- 11-25" Tan loam, friable, moderate fine blocky structure, redoximorphic features
- 25-36" Brown-gray silt loam, weak blocky structure, redoximorphic features, no water or bedrock to depth

Test Pit 1 (TP-1) – Lot C

- 0-12" Brown very fine sandy loam to silt loam, loose to friable, moderate crumb structure, well drained
- 12-24" Brown to red-brown silt loam, friable, moderate fine blocky structure, redoximorphic features, increasing moisture with depth
- 24-36" Brown silt loam to clay, friable, weak fine blocky structure, smears, redoximorphic features

Test Pit 2 (TP-2) – Lot C

- 0-12" Brown very fine sandy loam to silt loam, loose to friable, moderate crumb structure, well drained
- 12-26" Brown to red-brown silt loam, friable, moderate fine blocky structure, redoximorphic features, increasing moisture with depth
- 26-42" Brown silt loam to clay, friable, weak fine blocky structure, smears, redoximorphic features

Test Pit 3 (TP-3) – Lot C

- 0-14" Brown very fine sandy loam to silt loam, loose to friable, moderate crumb structure, well drained
- 14-24" Brown to red-brown silt loam, friable, moderate fine blocky structure, redoximorphic features, increasing moisture with depth
- 24-40" Brown silt loam to clay, friable, weak fine blocky structure, smears, redoximorphic features

Test Pit 4 (TP-4) – Lot C

- 0-15" Brown very fine sandy loam to silt loam, loose to friable, moderate crumb structure, well drained
- 15-26" Brown to red-brown silt loam, friable, moderate fine blocky structure, redoximorphic features, increasing moisture with depth
- 26-42" Brown silt loam to clay, friable, weak fine blocky structure, smears, redoximorphic features

Test Pit 5 (TP-5) – Lot C

- 0-14" Brown very fine sandy loam to silt loam, loose to friable, moderate crumb structure, well drained
- 14-25" Brown to red-brown silt loam, friable, moderate fine blocky structure, redoximorphic features, increasing moisture with depth
- 25-48" Brown silt loam to clay, friable, weak fine blocky structure, smears, redoximorphic features

Auger Hole 1 (AH-1)– Lot C

- 0-13" Brown very fine sandy loam to silt loam, loose to friable, moderate crumb structure, well drained
- 13-24" Brown to red-brown silt loam, friable, moderate fine blocky structure, redoximorphic features, increasing moisture with depth
- 24-36" Brown silt loam to clay, friable, weak fine blocky structure, smears, redoximorphic features

Auger Hole 1 (AH-2)– Lot C

- 0-13" Brown very fine sandy loam to silt loam, loose to friable, moderate crumb structure, well drained
- 13-26" Brown to red-brown silt loam, friable, moderate fine blocky structure, redoximorphic features, increasing moisture with depth
- 26-36" Brown silt loam to clay, friable, weak fine blocky structure, smears, redoximorphic features

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Lynn Mansfield Property  
Mount Philo Road, Charlotte, Vermont  
Project #09117

Date: July 13, 2009  
Engineer: Scott W. Homsted  
Excavator: BAB Excavating (Brad Boss)  
Town Representative: Spencer Harris

Weather: Sunny

**TH1**

0-13 - Dark brown loam topsoil, roots, damp  
13-24 - Gray tan very fine sandy loam, moist, mottled  
24-40 - Brown gray silt loam, mottled, wet  
Water @ 40", HSWT @ 13"

**TH2**

0-12 - Dark brown loam topsoil, roots, damp  
12-23 - Gray tan very fine sandy loam, moist, mottled  
23-37 - Brown gray silt loam, mottled, wet  
Water @ 37" HSWT @ 12"

**TH3**

0-13 - Dark brown loam topsoil, roots, damp  
13-23 - Gray tan very fine sandy loam, moist, mottled  
23-39 - Brown gray silt loam, mottled, wet  
Water @ 39" HSWT @ 13"

**TH4**

0-12 - Dark brown loam topsoil, roots, damp  
12-24 - Gray tan very fine sandy loam, moist, mottled  
24-37 - Brown gray silt loam, mottled, wet  
Water @ 37" HSWT @ 12"

**TH5**

0-12 - Dark brown loam topsoil, roots, damp  
12-25 - Gray tan very fine sandy loam, moist, mottled  
25-32 - Brown gray silt loam, mottled, wet  
Water @ 32" HSWT @ 12"

**TH6**

0-12 - Dark brown loam topsoil, roots, damp  
12-26 - Gray tan very fine sandy loam, moist, mottled  
26-42 - Brown gray silt loam, mottled, wet  
Water @ 42" HSWT @ 12"

Lynn Mansfield  
Test Holes  
July 13, 2009

**TH7**

0-7 - Dark brown loam topsoil, many roots, moist  
7-14 - Gray brown silty loam, some fine sand, mottled, moist  
14-39 - Brown gray silt loam, mottled, wet  
Water @ 39" HSWT @ 7"

**TH8**

0-10 - Dark brown loam topsoil, many roots, moist  
10-22 - Gray brown silty loam, some fine sand, mottled, moist  
22-34 - Brown gray silt loam, mottled, wet  
Water @ 34" HSWT @ 10"

Test Holes 9-12 located in crop plantings

**TH9**

0-8 -Brown loam topsoil, loose, damp  
8- -mottled silt loam  
HSWT @ 8"

**TH10**

0-8 -Brown loam topsoil, loose, damp  
8- -mottled silt loam  
HSWT @ 8"

**TH11**

0-9 -Brown loam topsoil, loose, damp  
9- -mottled silt loam  
HSWT @ 9"

**TH12**

0-10 -Brown loam topsoil, loose, damp  
10- -mottled silt loam  
HSWT @ 10"

**TH13**

0-12 - Dark brown loam topsoil, roots, damp  
12-26 - Gray tan very fine sandy loam, moist, mottled  
26-35 - Brown gray silt loam, mottled, wet  
Water @ 35" HSWT @ 12"

Lynn Mansfield  
Test Holes  
July 13, 2009

**TH14**

0-10 - Dark brown loam topsoil, many roots, moist  
10-23 - Gray brown silty loam, some fine sand, mottled, moist  
23-33 - Brown gray silt loam, mottled, wet  
Water @ 33" HSWT @ 10"

**TH15**

0-11 - Dark brown loam topsoil, roots, damp  
11-25 - Gray tan very fine sandy loam, moist, mottled  
25-38 - Brown gray silt loam, mottled, wet  
Water @ 38" HSWT @ 11"

**TH16**

0-11 - Dark brown loam topsoil, roots, damp  
11-22 - Gray tan very fine sandy loam, moist, mottled  
22-31 - Brown gray silt loam, mottled, wet  
Water @ 31" HSWT @ 11"

**FB432**

09117: test holes 7-13-09