



Commonwealth of Massachusetts  
City/Town of Hamilton

## Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

### A. Facility Information

North Shore Property Group

Owner Name

10 Meyer Lane (Lot 1)

Street Address

Hamilton

City

MA

State

31/8

Map/Lot #

01936

Zip Code

### B. Site Information

1. (Check one) ☒ New Construction ☐ Upgrade

2. Soil Survey Web Soil Survey 254C Merrimac Fine Sandy Loam  
Source Soil Map Unit Soil Series

Side Slope

Landform

Soil Limitations

Glaciofluvial Deposits

Soil Parent material

3. Surficial Geological Report

Year Published/Source

Map Unit

Description of Geologic Map Unit:

4. Flood Rate Insurance Map Within a regulatory floodway? ☐ Yes ☒ No

5. Within a velocity zone? ☐ Yes ☒ No

6. Within a Mapped Wetland Area? ☐ Yes ☒ No

If yes, MassGIS Wetland Data Layer:

7. Current Water Resource Conditions (USGS): August 2026 Range: ☐ Above Normal ☐ Normal ☒ Below Normal  
Month/Day/ Year

Wetland Type

8. Other references reviewed:  
(Zone II, IWPA, Zone A, EEA Data Portal, etc.)



Commonwealth of Massachusetts  
City/Town of Hamilton

## Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

### C. On-Site Review *(minimum of two holes required at every proposed primary and reserve disposal area)*

Deep Observation Hole Number: TP-101      8/12/2026      1:25 PM      Sunny, 90 degrees      N42.631129      W70.856299  
                                          Hole #      Date      Time      Weather      Latitude      Longitude

1. Land Use Woodland      Mature Trees      Few Boulders      15%  
                                          (e.g., woodland, agricultural field, vacant lot, etc.)      Vegetation      Surface Stones (e.g., cobbles, stones, boulders, etc.)      Slope (%)

Description of Location: Forest

2. Soil Parent Material: Loamy Glaciofluvial Deposits      Outwash Terrace      Side Slope  
                                          Landform      Position on Landscape (SU, SH, BS, FS, TS, Plain)

3. Distances from:      Open Water Body >100 feet      Drainage Way >100 feet      Wetlands >100 feet  
                                          Property Line 55 feet      Drinking Water Well >100 feet      Other        feet

4. Unsuitable Materials Present: ☐ Yes ☒ No      If Yes: ☐ Disturbed Soil/Fill Material      ☐ Weathered/Fractured Rock      ☐ Bedrock

5. Groundwater Observed: ☐ Yes ☒ No      If yes:        Depth to Weeping in Hole             Depth to Standing Water in Hole

#### Soil Log

| Depth (in) | Soil Horizon /Layer | Soil Texture (USDA) | Soil Matrix: Color-Moist (Munsell) | Redoximorphic Features |               |         | Coarse Fragments % by Volume |                  | Soil Structure | Soil Consistence (Moist) | Other |
|------------|---------------------|---------------------|------------------------------------|------------------------|---------------|---------|------------------------------|------------------|----------------|--------------------------|-------|
|            |                     |                     |                                    | Depth                  | Color         | Percent | Gravel                       | Cobbles & Stones |                |                          |       |
| 3-0        | Oi                  |                     |                                    |                        | Cnc :<br>Dpl: |         |                              |                  |                |                          |       |
| 0-5        | A                   | 10YR 3/3            | SL                                 |                        | Cnc :<br>Dpl: |         | <2%                          | <2%              | Massive        | Friable                  |       |
| 5-15       | B                   | 10YR 4/6            | FSL                                |                        | Cnc :<br>Dpl: |         | <2%                          | <2%              | Massive        | Friable                  |       |
| 15-29      | BC                  | 10YR 5/8            | LFS                                |                        | Cnc :<br>Dpl: |         | <2%                          | <2%              | Massive        | Friable                  |       |
| 29-44      | C1                  | 10YR 5/4            | LFS                                |                        | Cnc :<br>Dpl: |         | <2%                          | <2%              | Massive        | Friable                  |       |
| 44-96      | C2                  | 10YR 4/4            | Gr. S                              |                        | Cnc :<br>Dpl: |         | 35-40%                       | 5-10%            | S. Grain       | Slightly Firm            |       |

Additional Notes:  
No standing water



Commonwealth of Massachusetts  
City/Town of Hamilton

# Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

## C. On-Site Review *(minimum of two holes required at every proposed primary and reserve disposal area)*

Deep Observation Hole Number: TP-102      8/12/26      1:45 PM      Sunny, 90 degrees      N42.6331011      W70.856334  
Hole #      Date      Time      Weather      Latitude      Longitude

1. Land Use: Woodland      Mature Trees      Few Boulders      15%  
(e.g., woodland, agricultural field, vacant lot, etc.)      Vegetation      Surface Stones (e.g., cobbles, stones, boulders, etc.)      Slope (%)

Description of Location: Forest

2. Soil Parent Material: Loamy Glaciofluvial Deposits      Outwash Terrace      Side Slope  
Landform      Position on Landscape (SU, SH, BS, FS, TS, Plain)

3. Distances from:      Open Water Body >100 feet      Drainage Way >100 feet      Wetlands >100 feet  
Property Line 54 feet      Drinking Water Well >100 feet      Other        feet

4. Unsuitable Materials Present: ☐ Yes ☒ No      If Yes: ☐ Disturbed Soil/Fill Material      ☐ Weathered/Fractured Rock      ☐ Bedrock

5. Groundwater Observed: ☐ Yes ☒ No      If yes:        Depth to Weeping in Hole             Depth Standing Water in Hole

### Soil Log

| Depth (in) | Soil Horizon /Layer | Soil Texture (USDA) | Soil Matrix: Color-Moist (Munsell) | Redoximorphic Features |               |         | Coarse Fragments % by Volume |                  | Soil Structure | Soil Consistence (Moist) | Other |
|------------|---------------------|---------------------|------------------------------------|------------------------|---------------|---------|------------------------------|------------------|----------------|--------------------------|-------|
|            |                     |                     |                                    | Depth                  | Color         | Percent | Gravel                       | Cobbles & Stones |                |                          |       |
| 2-0        | Oi                  | ---                 | ---                                |                        | Cnc :<br>Dpl: |         |                              |                  |                |                          |       |
| 0-5        | A                   | SL                  | 10YR 3/3                           |                        | Cnc :<br>Dpl: |         | <2%                          | <2%              | Massive        | Friable                  |       |
| 5-12       | B                   | FSL                 | 10YR 4/6                           |                        | Cnc :<br>Dpl: |         | <2%                          | <2%              | Massive        | Friable                  |       |
| 12-26      | BC                  | LFS                 | 10YR 5/8                           |                        | Cnc :<br>Dpl: |         | <2%                          | <2%              | Massive        | Friable                  |       |
| 26-35      | C1                  | LFS                 | 10YR 5/4                           |                        | Cnc :<br>Dpl: |         | 5-10%                        | <2%              | Massive        | Friable                  |       |
| 35-96      | C2                  | Gr. S               | 10YR 4/4                           |                        | Cnc :<br>Dpl: |         | 35-40%                       | 5-10%            | S. Grain       | Slightly Firm            |       |

Additional Notes:  
No standing water



## Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

### D. Determination of High Groundwater Elevation

1. Method Used (Choose one):

☒ Depth to soil redoximorphic features

Obs. Hole # 101

Obs. Hole # 102

>96 inches

>96 inches

☐ Depth to observed standing water in observation hole

\_\_\_\_\_ inches

\_\_\_\_\_ inches

☐ Depth to adjusted seasonal high groundwater ( $S_h$ )  
(USGS methodology)

\_\_\_\_\_ inches

\_\_\_\_\_ inches

Index Well Number \_\_\_\_\_

Reading Date \_\_\_\_\_

$$S_h = S_c - [S_r \times (OW_c - OW_{max}) / OW_r]$$

Obs. Hole/Well# \_\_\_\_\_  $S_c$  \_\_\_\_\_  $S_r$  \_\_\_\_\_  $OW_c$  \_\_\_\_\_  $OW_{max}$  \_\_\_\_\_  $OW_r$  \_\_\_\_\_  $S_h$  \_\_\_\_\_

### E. Depth of Pervious Material

1. Depth of Naturally Occurring Pervious Material

a. Does at least four feet of naturally occurring pervious material exist in all areas observed throughout the area proposed for the soil absorption system?

☒ Yes ☐ No

b. If yes, at what depth was it observed (exclude O, A, and E Horizons)?

Upper boundary: 15  
inches

Lower boundary: 96  
inches

c. If no, at what depth was impervious material observed?

Upper boundary: \_\_\_\_\_  
inches

Lower boundary: \_\_\_\_\_  
inches



Commonwealth of Massachusetts  
City/Town of Hamilton

## Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

### F. Certification

I certify that I am currently approved by the Department of Environmental Protection pursuant to 310 CMR 15.017 to conduct soil evaluations and that the above analysis has been performed by me consistent with the required training, expertise and experience described in 310 CMR 15.017. I further certify that the results of my soil evaluation, as indicated in the attached Soil Evaluation Form, are accurate and in accordance with 310 CMR 15.100 through 15.107.

Michael B. Paige  
Signature of Soil Evaluator

Michael Paige #SE13167

Typed or Printed Name of Soil Evaluator / License #

Gregory Bernard

Name of Approving Authority Witness

8/12/26

Date

6/30/27

Expiration Date of License

Hamilton

Approving Authority

**Note:** In accordance with 310 CMR 15.018(2) this form must be submitted to the approving authority within 60 days of the date of field testing, and to the designer and the property owner with [Percolation Test Form 12](#).

**Field Diagrams:** Use this area for field diagrams:



Commonwealth of Massachusetts  
City/Town of Hamilton  
**Percolation Test**  
**Form 12**

Percolation test results must be submitted with the Soil Suitability Assessment for On-site Sewage Disposal. DEP has provided this form for use by local Boards of Health. Other forms may be used, but the information must be substantially the same as that provided here. Before using this form, check with the local Board of Health to determine the form they use.

**Important:** When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



### A. Site Information

North Shore Property Group

Owner Name

10 Meyer Lane (Lot 1)

Street Address or Lot #

Hamilton

MA

01936

City/Town

State

Zip Code

Mike Buonfiglio

Contact Person (if different from Owner)

Telephone Number

### B. Test Results

|                    | 8/12/26<br>Date                                  | 2:41 PM<br>Time |                                       |      |
|--------------------|--------------------------------------------------|-----------------|---------------------------------------|------|
| Observation Hole # | Perc200 (@ TP-201)                               |                 | Date                                  | Time |
| Depth of Perc      | 18" to Perc Shelf + 19" Deep Hole                |                 |                                       |      |
| Start Pre-Soak     | 2:41 PM                                          |                 |                                       |      |
| End Pre-Soak       | 2:56 PM                                          |                 |                                       |      |
| Time at 12"        | 2:56 PM                                          |                 |                                       |      |
| Time at 9"         | 3:01 PM                                          |                 |                                       |      |
| Time at 6"         | 3:08 PM                                          |                 |                                       |      |
| Time (9"-6")       | 7 Minutes                                        |                 |                                       |      |
| Rate (Min./Inch)   | 2.3 MPI                                          |                 |                                       |      |
|                    | Test Passed: <input checked="" type="checkbox"/> |                 | Test Passed: <input type="checkbox"/> |      |
|                    | Test Failed: <input type="checkbox"/>            |                 | Test Failed: <input type="checkbox"/> |      |

Michael Paige (Griffin Engineering)

Test Performed By:

Gregory Bernard (Hamilton Board of Health)

Board of Health Witness

Comments:



Commonwealth of Massachusetts  
City/Town of Hamilton

## Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

### A. Facility Information

North Shore Property Group

Owner Name

10 Meyer Lane (Lot 2)

Street Address

Hamilton

City

MA

State

31/8

Map/Lot #

01936

Zip Code

### B. Site Information

1. (Check one) ☒ New Construction ☐ Upgrade

2. Soil Survey

Web Soil Survey

254C

Merrimac Fine Sandy Loam

Source

Soil Map Unit

Soil Series

Side Slope

Landform

Soil Limitations

Glaciofluvial Deposits

Soil Parent material

3. Surficial Geological Report

Year Published/Source

Map Unit

Description of Geologic Map Unit:

4. Flood Rate Insurance Map

Within a regulatory floodway?

☐ Yes

☒ No

5. Within a velocity zone?

☐ Yes

☒ No

6. Within a Mapped Wetland Area?

☐ Yes

☒ No

If yes, MassGIS Wetland Data Layer:

Wetland Type

7. Current Water Resource Conditions (USGS):

August 2026

Range: ☐ Above Normal

☐ Normal

☒ Below Normal

Month/Day/ Year

8. Other references reviewed:

(Zone II, IWPA, Zone A, EEA Data Portal, etc.)



Commonwealth of Massachusetts  
City/Town of Hamilton

# Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

## C. On-Site Review *(minimum of two holes required at every proposed primary and reserve disposal area)*

Deep Observation Hole Number: TP-201      8/12/2026      8:43 AM      Sunny, 85 degrees      N42.632240      W70.855213  
Hole #      Date      Time      Weather      Latitude      Longitude

1. Land Use Woodland      Mature Trees      Few Boulders      15%  
(e.g., woodland, agricultural field, vacant lot, etc.)      Vegetation      Surface Stones (e.g., cobbles, stones, boulders, etc.)      Slope (%)

Description of Location: Forest

2. Soil Parent Material: Loamy Glaciofluvial Deposits      Outwash Terrace      Side Slope  
Landform      Position on Landscape (SU, SH, BS, FS, TS, Plain)

3. Distances from:      Open Water Body      >100 feet      Drainage Way      >100 feet      Wetlands      >100 feet  
Property Line      >100 feet      Drinking Water Well      >100 feet      Other      \_\_\_\_\_ feet

4. Unsuitable Materials Present: ☐ Yes ☒ No      If Yes: ☐ Disturbed Soil/Fill Material      ☐ Weathered/Fractured Rock      ☐ Bedrock

5. Groundwater Observed: ☐ Yes ☒ No      If yes: \_\_\_\_\_ Depth to Weeping in Hole      \_\_\_\_\_ Depth to Standing Water in Hole

### Soil Log

| Depth (in) | Soil Horizon /Layer | Soil Texture (USDA) | Soil Matrix: Color-Moist (Munsell) | Redoximorphic Features |                       |         | Coarse Fragments % by Volume |                  | Soil Structure | Soil Consistence (Moist) | Other |
|------------|---------------------|---------------------|------------------------------------|------------------------|-----------------------|---------|------------------------------|------------------|----------------|--------------------------|-------|
|            |                     |                     |                                    | Depth                  | Color                 | Percent | Gravel                       | Cobbles & Stones |                |                          |       |
| 2-0        | Oi                  |                     |                                    |                        | Cnc :<br>Dpl:         |         |                              |                  |                |                          |       |
| 0-6        | A                   | 10YR 3/3            | SL                                 |                        | Cnc :<br>Dpl:         |         | <2%                          | <2%              | Massive        | Friable                  |       |
| 6-12       | B                   | 10YR 4/6            | SL                                 |                        | Cnc :<br>Dpl:         |         | <2%                          | <2%              | Massive        | Friable                  |       |
| 12-18      | BC                  | 10YR 5/8            | SL                                 |                        | Cnc :<br>Dpl:         |         | <2%                          | <2%              | Massive        | Friable                  |       |
| 18-98      | C1                  | 10YR 4/4            | Gr. S                              | 98                     | Cnc :10YR 3/6<br>Dpl: |         | 40-45%                       | 10-15%           | S. Grain       | Friable                  |       |
| 98-109     | C2                  | 10YR 4/3            | SL                                 |                        | Cnc :<br>Dpl:         |         | <2%                          | <2%              | Massive        | Friable                  |       |

Additional Notes:  
Roots to 60"; No standing water



Commonwealth of Massachusetts  
City/Town of Hamilton

## Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

### C. On-Site Review *(minimum of two holes required at every proposed primary and reserve disposal area)*

Deep Observation Hole Number: TP-202      8/12/26      9:30 AM      Sunny, 85 degrees      N42.632197      W70.855060  
Hole #      Date      Time      Weather      Latitude      Longitude

1. Land Use: Woodland      Mature Trees      Few Boulders      15%  
(e.g., woodland, agricultural field, vacant lot, etc.)      Vegetation      Surface Stones (e.g., cobbles, stones, boulders, etc.)      Slope (%)

Description of Location: Forest

2. Soil Parent Material: Loamy Glaciofluvial Deposits      Outwash Terrace      Side Slope  
Landform      Position on Landscape (SU, SH, BS, FS, TS, Plain)

3. Distances from:      Open Water Body >100 feet      Drainage Way >100 feet      Wetlands >100 feet  
Property Line >100 feet      Drinking Water Well >100 feet      Other        feet

4. Unsuitable Materials Present: ☐ Yes ☒ No      If Yes: ☐ Disturbed Soil/Fill Material      ☐ Weathered/Fractured Rock      ☐ Bedrock

5. Groundwater Observed: ☐ Yes ☒ No      If yes:        Depth to Weeping in Hole             Depth Standing Water in Hole

#### Soil Log

| Depth (in) | Soil Horizon /Layer | Soil Texture (USDA) | Soil Matrix: Color-Moist (Munsell) | Redoximorphic Features |               |         | Coarse Fragments % by Volume |                  | Soil Structure | Soil Consistence (Moist) | Other |
|------------|---------------------|---------------------|------------------------------------|------------------------|---------------|---------|------------------------------|------------------|----------------|--------------------------|-------|
|            |                     |                     |                                    | Depth                  | Color         | Percent | Gravel                       | Cobbles & Stones |                |                          |       |
| 2-0        | Oi                  | ---                 | ---                                |                        | Cnc :<br>Dpl: |         |                              |                  |                |                          |       |
| 0-4        | A                   | SL                  | 10YR 3/3                           |                        | Cnc :<br>Dpl: |         | <2%                          | <2%              | Massive        | Friable                  |       |
| 4-11       | B                   | SL                  | 10YR 4/6                           |                        | Cnc :<br>Dpl: |         | <2%                          | <2%              | Massive        | Friable                  |       |
| 11-29      | C1                  | Gr. S               | 10YR 4/6                           |                        | Cnc :<br>Dpl: |         | 35-40%                       | 5-10%            | Single Grain   | Friable                  |       |
| 29-98      | C2                  | Gr. S               | 10YR 4/4                           |                        | Cnc :<br>Dpl: |         | 40-45%                       | 15-20%           | Single Grain   | Friable                  |       |
| 98-108     | C3                  | SL                  | 10YR 4/3                           | 98                     | Cnc :<br>Dpl: |         | <2%                          | <2%              | Massive        | Friable                  |       |

Additional Notes:  
Roots to 48"; No standing water



## Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

### D. Determination of High Groundwater Elevation

1. Method Used (Choose one):

☒ Depth to soil redoximorphic features

Obs. Hole # 201

Obs. Hole # 202

94 inches

98 inches

☐ Depth to observed standing water in observation hole

\_\_\_\_\_ inches

\_\_\_\_\_ inches

☐ Depth to adjusted seasonal high groundwater ( $S_h$ )  
(USGS methodology)

\_\_\_\_\_ inches

\_\_\_\_\_ inches

Index Well Number \_\_\_\_\_

Reading Date \_\_\_\_\_

$$S_h = S_c - [S_r \times (OW_c - OW_{max}) / OW_r]$$

Obs. Hole/Well# \_\_\_\_\_  $S_c$  \_\_\_\_\_  $S_r$  \_\_\_\_\_  $OW_c$  \_\_\_\_\_  $OW_{max}$  \_\_\_\_\_  $OW_r$  \_\_\_\_\_  $S_h$  \_\_\_\_\_

### E. Depth of Pervious Material

1. Depth of Naturally Occurring Pervious Material

a. Does at least four feet of naturally occurring pervious material exist in all areas observed throughout the area proposed for the soil absorption system?

☒ Yes ☐ No

b. If yes, at what depth was it observed (exclude O, A, and E Horizons)?

Upper boundary: 16  
inches

Lower boundary: 102  
inches

c. If no, at what depth was impervious material observed?

Upper boundary: \_\_\_\_\_  
inches

Lower boundary: \_\_\_\_\_  
inches



Commonwealth of Massachusetts  
City/Town of Hamilton

## Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

### F. Certification

I certify that I am currently approved by the Department of Environmental Protection pursuant to 310 CMR 15.017 to conduct soil evaluations and that the above analysis has been performed by me consistent with the required training, expertise and experience described in 310 CMR 15.017. I further certify that the results of my soil evaluation, as indicated in the attached Soil Evaluation Form, are accurate and in accordance with 310 CMR 15.100 through 15.107.

Michael B. Paige  
Signature of Soil Evaluator

Michael Paige #SE13167

Typed or Printed Name of Soil Evaluator / License #

Gregory Bernard

Name of Approving Authority Witness

8/12/26

Date

6/30/27

Expiration Date of License

Hamilton

Approving Authority

**Note:** In accordance with 310 CMR 15.018(2) this form must be submitted to the approving authority within 60 days of the date of field testing, and to the designer and the property owner with [Percolation Test Form 12](#).

**Field Diagrams:** Use this area for field diagrams:



Commonwealth of Massachusetts  
City/Town of Hamilton  
**Percolation Test**  
**Form 12**

Percolation test results must be submitted with the Soil Suitability Assessment for On-site Sewage Disposal. DEP has provided this form for use by local Boards of Health. Other forms may be used, but the information must be substantially the same as that provided here. Before using this form, check with the local Board of Health to determine the form they use.

**Important:** When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



**A. Site Information**

North Shore Property Group

Owner Name

10 Meyer Lane (Lot 2)

Street Address or Lot #

Hamilton

MA

01936

City/Town

State

Zip Code

Mike Buonfiglio

Contact Person (if different from Owner)

Telephone Number

**B. Test Results**

|                    | 8/12/26<br>Date                   | 12:53 PM<br>Time                    | Date         | Time                     |
|--------------------|-----------------------------------|-------------------------------------|--------------|--------------------------|
| Observation Hole # | Perc200 (@ TP-201)                |                                     |              |                          |
| Depth of Perc      | 24" to Perc Shelf + 18" Deep Hole |                                     |              |                          |
| Start Pre-Soak     | 12:53 PM                          |                                     |              |                          |
| End Pre-Soak       | 1:03 PM                           |                                     |              |                          |
| Time at 12"        | Did not hold presoak              |                                     |              |                          |
| Time at 9"         |                                   |                                     |              |                          |
| Time at 6"         |                                   |                                     |              |                          |
| Time (9"-6")       |                                   |                                     |              |                          |
| Rate (Min./Inch)   | <2 MPI                            |                                     |              |                          |
|                    | Test Passed:                      | <input checked="" type="checkbox"/> | Test Passed: | <input type="checkbox"/> |
|                    | Test Failed:                      | <input type="checkbox"/>            | Test Failed: | <input type="checkbox"/> |

Michael Paige (Griffin Engineering)

Test Performed By:

Gregory Bernard (Hamilton Board of Health)

Board of Health Witness

Comments:



Commonwealth of Massachusetts  
City/Town of Hamilton

## Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

### A. Facility Information

North Shore Property Group

Owner Name

10 Meyer Lane (Lot 3)

Street Address

Hamilton

City

MA

State

31/8

Map/Lot #

01936

Zip Code

### B. Site Information

1. (Check one) ☒ New Construction ☐ Upgrade

2. Soil Survey

Web Soil Survey

Source

254C

Soil Map Unit

Merrimac Fine Sandy Loam

Soil Series

Side Slope

Landform

Soil Limitations

Glaciofluvial Deposits

Soil Parent material

3. Surficial Geological Report

Year Published/Source

Map Unit

Description of Geologic Map Unit:

4. Flood Rate Insurance Map

Within a regulatory floodway?

☐ Yes

☒ No

5. Within a velocity zone?

☐ Yes

☒ No

6. Within a Mapped Wetland Area?

☐ Yes

☒ No

If yes, MassGIS Wetland Data Layer:

Wetland Type

7. Current Water Resource Conditions (USGS):

August 2026

Month/Day/ Year

Range: ☐ Above Normal

☐ Normal

☒ Below Normal

8. Other references reviewed:

(Zone II, IWPA, Zone A, EEA Data Portal, etc.)



Commonwealth of Massachusetts  
City/Town of Hamilton

## Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

### C. On-Site Review *(minimum of two holes required at every proposed primary and reserve disposal area)*

Deep Observation Hole Number: TP-301      8/12/2026      10:20 AM      Sunny, 85 degrees      N42.632185      W70.854774  
Hole #      Date      Time      Weather      Latitude      Longitude

1. Land Use Woodland      Mature Trees      Few Boulders      15%  
(e.g., woodland, agricultural field, vacant lot, etc.)      Vegetation      Surface Stones (e.g., cobbles, stones, boulders, etc.)      Slope (%)

Description of Location: Forest

2. Soil Parent Material: Loamy Glaciofluvial Deposits      Outwash Terrace      Side Slope  
Landform      Position on Landscape (SU, SH, BS, FS, TS, Plain)

3. Distances from:      Open Water Body      >100 feet      Drainage Way      >100 feet      Wetlands      >100 feet  
Property Line      >100 feet      Drinking Water Well      >100 feet      Other      \_\_\_\_\_ feet

4. Unsuitable Materials Present: ☐ Yes ☒ No      If Yes: ☐ Disturbed Soil/Fill Material      ☐ Weathered/Fractured Rock      ☐ Bedrock

5. Groundwater Observed: ☐ Yes ☒ No      If yes: \_\_\_\_\_ Depth to Weeping in Hole      \_\_\_\_\_ Depth to Standing Water in Hole

#### Soil Log

| Depth (in) | Soil Horizon /Layer | Soil Texture (USDA) | Soil Matrix: Color-Moist (Munsell) | Redoximorphic Features |                           |         | Coarse Fragments % by Volume |                  | Soil Structure | Soil Consistence (Moist) | Other |
|------------|---------------------|---------------------|------------------------------------|------------------------|---------------------------|---------|------------------------------|------------------|----------------|--------------------------|-------|
|            |                     |                     |                                    | Depth                  | Color                     | Percent | Gravel                       | Cobbles & Stones |                |                          |       |
| 2-0        | Oi                  |                     |                                    |                        | Cnc : _____<br>Dpl: _____ |         |                              |                  |                |                          |       |
| 0-8        | A                   | 10YR 3/3            | SL                                 |                        | Cnc : _____<br>Dpl: _____ |         | <2%                          | <2%              | Massive        | Friable                  |       |
| 8-18       | B                   | 10YR 5/8            | SL                                 |                        | Cnc : _____<br>Dpl: _____ |         | 5%                           | <2%              | Massive        | Friable                  |       |
| 18-110     | C1                  | 10YR 3/6            | Gr. S                              |                        | Cnc : _____<br>Dpl: _____ |         | 45-50%                       | 15-20%           | S. Grain       | Friable                  |       |
|            |                     |                     |                                    |                        | Cnc : _____<br>Dpl: _____ |         |                              |                  |                |                          |       |
|            |                     |                     |                                    |                        | Cnc : _____<br>Dpl: _____ |         |                              |                  |                |                          |       |

Additional Notes:

Roots to 60"; No mottles; No standing water



Commonwealth of Massachusetts  
City/Town of Hamilton

# Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

## C. On-Site Review *(minimum of two holes required at every proposed primary and reserve disposal area)*

Deep Observation Hole Number: TP-302      8/12/26      11:30 AM      Sunny, 85 degrees      N42.632039      W70.854821  
Hole #      Date      Time      Weather      Latitude      Longitude

1. Land Use: Woodland      Mature Trees      Few Boulders      15%  
(e.g., woodland, agricultural field, vacant lot, etc.)      Vegetation      Surface Stones (e.g., cobbles, stones, boulders, etc.)      Slope (%)

Description of Location: Forest

2. Soil Parent Material: Loamy Glaciofluvial Deposits      Outwash Terrace      Side Slope  
Landform      Position on Landscape (SU, SH, BS, FS, TS, Plain)

3. Distances from:      Open Water Body >100 feet      Drainage Way >100 feet      Wetlands >100 feet  
Property Line >100 feet      Drinking Water Well >100 feet      Other        feet

4. Unsuitable Materials Present: ☐ Yes ☒ No      If Yes: ☐ Disturbed Soil/Fill Material      ☐ Weathered/Fractured Rock      ☐ Bedrock

5. Groundwater Observed: ☐ Yes ☒ No      If yes:        Depth to Weeping in Hole             Depth Standing Water in Hole

### Soil Log

| Depth (in) | Soil Horizon /Layer | Soil Texture (USDA) | Soil Matrix: Color-Moist (Munsell) | Redoximorphic Features |               |         | Coarse Fragments % by Volume |                  | Soil Structure | Soil Consistence (Moist) | Other |
|------------|---------------------|---------------------|------------------------------------|------------------------|---------------|---------|------------------------------|------------------|----------------|--------------------------|-------|
|            |                     |                     |                                    | Depth                  | Color         | Percent | Gravel                       | Cobbles & Stones |                |                          |       |
| 2-0        | Oi                  | ---                 | ---                                |                        | Cnc :<br>Dpl: |         |                              |                  |                |                          |       |
| 0-4        | A                   | SL                  | 10YR 3/3                           |                        | Cnc :<br>Dpl: |         | <2%                          | <2%              | Massive        | Friable                  |       |
| 4-11       | B                   | SL                  | 10YR 4/6                           |                        | Cnc :<br>Dpl: |         | <2%                          | <2%              | Massive        | Friable                  |       |
| 11-29      | C1                  | Gr. S               | 10YR 4/6                           |                        | Cnc :<br>Dpl: |         | 35-40%                       | 5-10%            | S. Grain       | Friable                  |       |
| 29-98      | C2                  | Gr. S               | 10YR 4/4                           |                        | Cnc :<br>Dpl: |         | 40-45%                       | 15-20%           | S. Grain       | Friable                  |       |
| 98-108     | C3                  | SL                  | 10YR 4/3                           | 98                     | Cnc :<br>Dpl: |         | <2%                          | <2%              | Massive        | Friable                  |       |

Additional Notes:  
Roots to 43"; No standing water



## Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

### D. Determination of High Groundwater Elevation

1. Method Used (Choose one):

☒ Depth to soil redoximorphic features

Obs. Hole # 301

Obs. Hole # 302

>110 inches

98 inches

☐ Depth to observed standing water in observation hole

\_\_\_\_\_ inches

\_\_\_\_\_ inches

☐ Depth to adjusted seasonal high groundwater ( $S_h$ )  
(USGS methodology)

\_\_\_\_\_ inches

\_\_\_\_\_ inches

Index Well Number \_\_\_\_\_

Reading Date \_\_\_\_\_

$$S_h = S_c - [S_r \times (OW_c - OW_{max}) / OW_r]$$

Obs. Hole/Well# \_\_\_\_\_  $S_c$  \_\_\_\_\_  $S_r$  \_\_\_\_\_  $OW_c$  \_\_\_\_\_  $OW_{max}$  \_\_\_\_\_  $OW_r$  \_\_\_\_\_  $S_h$  \_\_\_\_\_

### E. Depth of Pervious Material

1. Depth of Naturally Occurring Pervious Material

a. Does at least four feet of naturally occurring pervious material exist in all areas observed throughout the area proposed for the soil absorption system?

☒ Yes ☐ No

b. If yes, at what depth was it observed (exclude O, A, and E Horizons)?

Upper boundary: 18  
inches

Lower boundary: 110  
inches

c. If no, at what depth was impervious material observed?

Upper boundary: \_\_\_\_\_  
inches

Lower boundary: \_\_\_\_\_  
inches



Commonwealth of Massachusetts  
City/Town of Hamilton

## Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

### F. Certification

I certify that I am currently approved by the Department of Environmental Protection pursuant to 310 CMR 15.017 to conduct soil evaluations and that the above analysis has been performed by me consistent with the required training, expertise and experience described in 310 CMR 15.017. I further certify that the results of my soil evaluation, as indicated in the attached Soil Evaluation Form, are accurate and in accordance with 310 CMR 15.100 through 15.107.

Michael B. Paige  
Signature of Soil Evaluator

Michael Paige #SE13167

Typed or Printed Name of Soil Evaluator / License #

Gregory Bernard

Name of Approving Authority Witness

8/12/26

Date

6/30/27

Expiration Date of License

Hamilton

Approving Authority

**Note:** In accordance with 310 CMR 15.018(2) this form must be submitted to the approving authority within 60 days of the date of field testing, and to the designer and the property owner with [Percolation Test Form 12](#).

**Field Diagrams:** Use this area for field diagrams:



Commonwealth of Massachusetts  
City/Town of Hamilton  
**Percolation Test**  
**Form 12**

Percolation test results must be submitted with the Soil Suitability Assessment for On-site Sewage Disposal. DEP has provided this form for use by local Boards of Health. Other forms may be used, but the information must be substantially the same as that provided here. Before using this form, check with the local Board of Health to determine the form they use.

**Important:** When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



**A. Site Information**

North Shore Property Group

Owner Name

10 Meyer Lane (Lot 3)

Street Address or Lot #

Hamilton

City/Town

MA

State

01936

Zip Code

Mike Buonfiglio

Contact Person (if different from Owner)

Telephone Number

**B. Test Results**

|                    | 8/12/26<br>Date                                  | 12:30 PM<br>Time                      | Date                                  | Time                                  |
|--------------------|--------------------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Observation Hole # | Perc300 (@ TP-301)                               |                                       |                                       |                                       |
| Depth of Perc      | 17" to Perc Shelf + 18" Deep Hole                |                                       |                                       |                                       |
| Start Pre-Soak     | 12:30 PM                                         |                                       |                                       |                                       |
| End Pre-Soak       | 12:35 PM                                         |                                       |                                       |                                       |
| Time at 12"        | Did not hold presoak                             |                                       |                                       |                                       |
| Time at 9"         |                                                  |                                       |                                       |                                       |
| Time at 6"         |                                                  |                                       |                                       |                                       |
| Time (9"-6")       |                                                  |                                       |                                       |                                       |
| Rate (Min./Inch)   | <2 MPI                                           |                                       |                                       |                                       |
|                    | Test Passed: <input checked="" type="checkbox"/> | Test Failed: <input type="checkbox"/> | Test Passed: <input type="checkbox"/> | Test Failed: <input type="checkbox"/> |

Michael Paige (Griffin Engineering)

Test Performed By:

Gregory Bernard (Hamilton Board of Health)

Board of Health Witness

Comments: