

RIVER SOUND

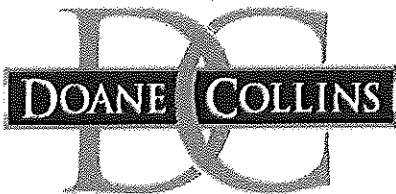
SOIL TEST DATA

153 ACCESS PARCEL

INGHAM HILL RD. PARCELS EAST & WEST

BOKUM ROAD PARCEL

DATED: December 1, 2010



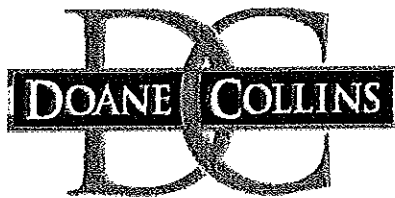
DOANE-COLLINS ENGINEERING ASSOCIATES, LLC
P. O. BOX 113
15 DEEP RIVER ROAD
CENTERBROOK, CT 06409
860-767-0138

RIVER SOUND

SOIL TEST DATA

153 ACCESS PARCEL
(SHEET RS-4)

DATED: December 1, 2010



DOANE-COLLINS ENGINEERING ASSOCIATES, LLC
P. O. BOX 113
15 DEEP RIVER ROAD
CENTERBROOK, CT 06409
860-767-0138

153 ACCESS --OLD SAYBROOK--BL

LOT 1 - No test Holes

LOT 2 - No test Holes

LOT 3

TH 1-2

0 - 5" Dark brown, fine, sandy loam topsoil

5 - 22" Strong brown fine sandy loam sand subsoil, moist with brown and gray brown mottles*

@ 18"

22 - 77" Gray brown gravelly loamy sand (till) with brown and gray brown mottles*

77" + Bedrock, No water table found

TH 1-3

0 - 4" Dark brown fine sandy loam topsoil

4 - 22" Strong brown fine sandy loam subsoil, moist with brown and strong brown mottles* @

19"

22 - 72" Gray brown gravelly loam sand (till) with brown and gray brown mottles*

72+ Bedrock, No water table found

TH 1-4

0 - 5" Dark brown fine, sandy loam topsoil

5 - 24" Strong brown, fine, sandy loam subsoil, moist with brown and gray brown mottles* @

20"

24 - 67" Gray brown gravelly loam sand (till) with brown and gray brown mottles*

67" + Bedrock, No water table found

TH 3-1

0 - 2" Dark, gray brown, fine, sandy, loam topsoil

2 - 45" Strong brown moist fine sandy loam subsoil, with light gray brown mottles @ 38"

45" + Bedrock, no water table found

TH 3-2

0 - 4" Dark brown fine sandy loam topsoil

4 - 34" Strong brown moist fine sandy loam subsoil, with light gray brown mottles @ 31"

34 - 54" Light gray brown gravelly sandy loam with gray brown and strong brown mottles (till)

54" + Bedrock, not water table found

TH 3-3

0 - 2" Dark brown fine sandy loam topsoil
2 - 29" Strong brown moist fine sandy loam subsoil with light gray brown mottles @ 27" (till)
40" + Bedrock, not water table found

TH 3-4

0 - 2" Dark gray brown, fine sandy loam topsoil
2 - 29" Strong brown moist fine, sandy loam subsoil, with light gray brown
Mottling @ 23" 29" + Bedrock; no water table found

TH 3-5

0 - 2" Dark gray brown, fine, sandy loam topsoil
2 - 33" Strong brown moist, fine, sandy loam subsoil, with light gray brown
Mottling @ 28"
33" + Bedrock, no water table found

TH 3-6

0 - 2" Dark brown, fine, sandy loam topsoil
2 - 27" Strong brown, moist, fine, sandy loam subsoil
27 - 34" Light gray brown, gravelly, sandy loam (till)
34" + Bedrock, no water table found

LOT 4

Test Hole Data
Performed by EP & SS LLC

TH 1-1

0 - 6" Dark brown, fine, sandy loam topsoil
6 - 26" Strong brown, fine, sandy, loam topsoil, moist with brown and gray brown mottles* @
20"
26 - 96" Gray brown, gravelly loamy sand (till) with brown and gray brown mottle*
96" + Bedrock, No water table found

TH 2A

0 - 6" Dark brown, silty loam topsoil
6 - 23" Strong brown moist sandy loam subsoil with light brown mottles* @ 22"
23 - 44" Olive brown to brown sandy loam with few strong brown mottles (till)
44" + Bedrock, No standing water

TH 2B

0 - 5" Dark brown, silty loam, topsoil
5 - 26" Strong brown moist, sandy loam subsoil
26 - 50" Olive brown to brown sandy loam with few strong brown mottles* at 26" (till)
50"+ Bedrock, No standing water

TH - 2-1

Standing Water Level: None
Seasonal High Water Table (Mottling or Wet): None
Logged by Fortunato 12/16/99

0 - 10" Fine sandy loam, (SM; brown; fine granular; friable; A horizon
10 - 41" Very fine sandy loam, subsoil (SM-ML); yellowish brown; medium subangular blocky; friable; B horizon
41 - 61" Very fine sandy loam and loamy fine sand, substratum (SM); light yellowish brown and light gray; subangular blocky; friable C horizon
61 ± Bedrock

TH - 2-2

Standing Water Level: None
Seasonal High Water Table (Mottling or Wet): None
Logged by Fortunato 12/16/99

0 - 9" Fine, sandy loam, topsoil (SM); very dark grayish brown; fine granular; friable; a horizon
9 - 41" Very fine sandy loam, subsoil (SM); yellowish brown; brown medium subangular blocky; friable; B horizon
41" ± Bedrock

TH - 2-3

Standing Water Level: None
Seasonal High Water Table (Mottling or Wet): None
Logged by Fortunato 12/16/99

0 - 9" Fine sandy loam, topsoil (SM); very dark grayish brown; Fine granular; friable; A horizon
9 - 41" Very fine sandy loam, subsoil (SM); yellowish brown; medium subangular blocky; friable; B horizon
41"+ Bedrock

TH 2-4

Standing Water Level: None

Seasonal High Water Table (Mottling or Wet): Approx. 32"

Logged by Fortunato 12/16/99

0 - 9" Fine sandy loam, topsoil (SM); dark brown; fine granular; friable; A horizon
9 - 32" Very fine sandy loam subsoil (SM); strong brown; medium subangular blocky; friable; B horizon
32 - 48" Very fine sandy loam to silt loam, substratum (ML-SM); light yellowish brown; medium subangular blocky; wet. Slightly-sticky, slightly-plastic; no redoximorphic features (mottles); C horizon
48" + Bedrock

TH 2-5

Standing Water Level: 33"

Seasonal High Water Table (Mottling or Wet): Approx. 30"

Logged by Fortunato 12/16/99

0 - 9" Fine sandy loam, topsoil (SM); dark brown; fine granular; friable; A horizon
9 - 33" Very fine sandy loam, subsoil (SM); light yellowish brown; medium subangular blocky; wet, slightly-sticky, slightly-plastic; common, distinct gray and light gray redoximorphic features (mottles); C horizon
48" + Bedrock

TH 2-6

Standing Water Level: 33"

Seasonal High Water Table (Mottling or Wet): Approx. 30"

Logged by Fortunato 12/16/99

0 - 9" Fine sandy loam, topsoil (SM); dark brown; fine granular; friable; A horizon
9 - 33" Very fine sandy loam, subsoil (SM); strong brown; medium subangular blocky; friable/ B horizon
33 - 48" Fine sandy loam, substratum (SM); light yellowish brown; medium subangular blocky; wet, slightly-sticky, slightly-plastic; common, distinct gray and light gray redoximorphic features (mottles); C horizon
48" + Bedrock

TH 2-7

Standing Water Level: None

Seasonal High Water Table (Mottling or Wet): Approx. 32"

Logged by Fortunato 12/16/99

0 - 9" Fine sandy loam, topsoil (SM); dark brown; fine granular; friable; A horizon
9 - 32" Very fine sandy loam, subsoil (SM); strong brown; medium subangular blocky; friable; B horizon
32 - 48" Very fine sandy loam to silt loam, substratum (MS-SM); light yellowish brown; medium subangular blocky; wet, slightly-sticky, slightly-plastic; no redoximorphic features (mottles); C horizon
48"+ Bedrock

TH 2-8

Standing Water Level: None

Seasonal High Water Table (Mottling or Wet): Approx. 33"

Logged by Fortunato 12/16/99

0 - 5" Very sandy loam, topsoil (SM); dark brown; fine granular; friable; A horizon
5 - 34" Very fine sandy loam, subsoil (SM-ML); yellowish brown; medium subangular blocky; friable B horizon
34 - 40" Loamy sand, substratum (SP); gray; medium granular; very friable; C horizon
40" + Bedrock

TH 2-9

Standing Water Level: None

Seasonal High Water Table (Mottling or Wet): Approx. 33"

Logged by Fortunato 12/16/99

0 - 5" Fine sandy loam, topsoil (SM); dark brown; fine granular; friable; A horizon
5 - 40" Very fine sandy loam, subsoil (SM-ML); yellowish brown; medium subangular, blocky; friable; B horizon
40" + Bedrock

TH 4-1

0 - 3" Very dark brown silt loam topsoil
3 - 24" Strong brown moist silt loam subsoil with light brown mottles at 23"
24 - 49" Brown to olive brown wet gravelly sandy loam with strong brown and brown mottles (till)
49" + Bedrock; Standing water at 47"

TH 4-2

0 - 3" Very dark brown silt loam topsoil
3 - 28" Strong brown moist silt loam subsoil with light brown mottles at 27"
28 - 44" Brown to olive brown wet gravelly sandy loam with strong brown and brown mottles
(till)
44" + Bedrock; Standing water at 40"

TH 4-3

0 - 6" Very dark brown silt loam topsoil
6 - 39" Strong brown moist silt loam subsoil
39" + Bedrock, Standing water at 37"

TH 4-4

0 - 4" Very dark brown silt loam topsoil
4 - 29" Strong brown moist silt loam subsoil with light brown mottles at 27"
29" + Bedrock, No standing water

TH 4-5

0 - 3" Very dark brown fine sandy loam topsoil
3 - 32" Strong brown moist fine sandy loam subsoil with light brown mottles at 30"
32 - 48" Brown to olive brown wet gravelly loamy sand with strong brown and brown mottles
(till)
48" + Bedrock, No standing water

TH 4-6

0 - 3" Very dark brown fine sandy loam topsoil
3 - 29" Strong brown moist fine sandy loam subsoil with light brown mottles at 28"
29 - 31" Brown to olive brown wet gravelly loamy sand with strong brown and brown mottles
(till)
31" + Bedrock, No standing water

TH 5-1

0 - 8" Dark brown loam topsoil
8 - 35" Brown moist silt loam subsoil, with light gray brown mottles @ 23"
35 - 72" Light gray brown moist to wet silt loam with brown and yellow brown mottles (till)
72" + Bedrock, standing water at 52"

TH 5-2

0 - 6" Dark brown loam topsoil
6 - 24" Brown moist sandy loam subsoil, with light brown and yellow brown mottles @ 22"
24 - 72" Light brown moist to wet sandy loam with light brown and gray brown mottles (till)
72" + Bedrock, standing water @ 50"

TH 5-3

0 - 8" Dark brown loam topsoil
8 - 34" Brown moist sandy loam subsoil, with light brown and yellow brown mottles @ 24"
34 - 75" Light brown moist to wet sandy loam with light brown and gray brown mottles (till)
75" + Bedrock, standing water @ 54"

TH 5-4

0 - 4" Dark brown loam topsoil
4 - 45" Strong brown moist silt loam subsoil, with brown and light brown mottles @ 26"
45 - 72" Gray brown moist to wet gravelly loamy sand with brown and mottles (till)
72" + Bedrock, standing water at 71"

TH 5-5

0 - 5" Dark brown loam topsoil
5 - 42" Brown moist sandy loam subsoil, with light brown and brown mottles @ 26"
42 - 75" Gray brown moist to wet sandy loam with brown and yellow brown mottles (till)
75" + Bedrock, standing water at 58"

TH 5-6

0 - 2" Dark brown loam topsoil
2 - 35" Brown moist sandy loam subsoil, with light brown and yellow brown mottles @ 20"
35 - 80" Light brown moist to wet sandy loam with light brown and gray brown mottles (till)
80" + Bedrock, standing water at 52"

TH 5A

0 - 6" Very dark brown, moist silt loam topsoil
6 - 50" Strong brown moist, sandy loam subsoil with light brown mottles at 28", wet at 36"
50 - 65" Olive brown to brown wet, gravelly loamy sand (till)
65" + Bedrock, standing water at 63", Wet at 36"

TH 7-1

0 - 3" Very dark brown fine sandy loam topsoil
3 - 29" Strong brown moist silt loam subsoil with light brown and olive brown mottles at 26"
29 - 41" Olive brown wet gravelly sandy loam with strong brown and brown mottles (till)
48" + Bedrock, No standing water

TH 7-2

0 - 2" Very dark brown silt loam topsoil
2 - 26" Strong brown moist fine sandy loam subsoil wet at 26"
26" + Bedrock, standing water at 26"

TH 7-3

0 - 2" Very dark brown silt loam topsoil
2 - 25" Strong brown moist fine sandy loam subsoil
25" + Bedrock at 15-25", No standing water

TH 7-4

0 - 3" Very dark brown silt loam topsoil
3 - 34" Strong brown moist fine sandy loam subsoil
34" + Bedrock, standing water at 29"

TH 7-5

0 - 4" Very dark brown silt loam topsoil
2 - 42" Strong brown moist fine sandy loam subsoil
42" + Bedrock, standing water at 40"

TH 7-6

0 - 3" Very dark brown fine sandy loam topsoil
3 - 33" Strong brown moist silt loam subsoil with light brown and olive brown mottles at 30"
33 - 42" Olive brown wet gravelly sandy loam with strong brown and brown mottles (till)
42" + Bedrock, standing water at 40"

LOT 5

TH 6-1

Standing Water Level: 30"
Seasonal High Water Table (Mottling or Wet): Approx 25"
Logged by Fortunato 12/17/99

0 - 5" Fine sandy loam, topsoil (SM); dark brown; fine granular; friable; A horizon
5 - 30" Fine sandy loam, subsoil (ML); strong brown; medium subangular blocky; friable; B horizon
30 - 36" Fine sandy loam, substratum (SM); pale brown and light brownish gray; fine subangular blocky; wet, slightly-sticky, slightly-plastic; C horizon
36" + Bedrock

TH 6-2

Standing Water Level: 30"
Seasonal High Water Table (Mottling or Wet): Approx 25"
Logged by Fortunato 12/17/99

0 - 5" Fine sandy loam, topsoil (SM); dark brown; fine granular; friable; A horizon
5 - 30" Fine sandy loam, subsoil (ML) strong brown; medium subangular blocky; friable; B horizon
30 - 36" Fine sandy loam, substratum (SM); pale brown and light brownish gray; fine subangular blocky; wet, slightly-sticky, slightly-plastic; C horizon
36" + Bedrock

TH 6-3

Standing Water Level: 30"
Seasonal High Water Table (Mottling or Wet): Approx 25"
Logged by Fortunato 12/17/99

0 - 5" Fine sandy loam, topsoil (SM); dark brown; fine granular; friable; A horizon
5 - 30" Fine sandy loam subsoil (ML); strong brown; medium subangular blocky; friable; B horizon
30 - 36" Fine sandy loam substratum (SM); pale brown and light brownish gray; fine subangular blocky; wet, slightly-sticky, slightly-plastic; C horizon
36" + Bedrock

TH 6-4

Standing Water Level: 30"

Seasonal High Water Table (Mottling or Wet): Approx 25"

Logged by Fortunato 12/17/99

0 - 5" Fine sandy loam, topsoil (SM); dark brown; fine granular; friable; A horizon

5 - 30" Fine sandy loam, subsoil (ML); strong brown; medium subangular blocky; friable; B horizon

30 - 36" Fine sandy loam, substratum (SM); pale brown and light brownish gray; fine subangular blocky; wet, slightly-sticky, slightly-plastic; C horizon

36" + Bedrock

TH 6-5

Standing Water Level: None

Seasonal High Water Table (Mottling or Wet): None

Logged by Fortunato 12/17/99

0 - 5" Fine sandy loam, topsoil (SM); dark brown; fine granular; friable; A horizon

5 - 22" Fine sandy loam, subsoil (ML); strong brown; medium subangular block; friable; B horizon

22" + Bedrock

TH 6-6

Standing Water Level: 24"

Seasonal High Water Table (Mottling or Wet): Approx 20"

Logged by Fortunato 12/17/99

0 - 5" Fine sandy loam topsoil (SM); dark brown; fine granular; friable; A horizon

5 - 24" Fine sandy loam, subsoil (ML); strong brown; medium subangular blocky; friable; wet at bedrock level; B horizon

24" + Bedrock

TH 6-7

Standing Water Level: 24"

Seasonal High Water Table (Mottling or Wet): Approx 20"

Logged by Fortunato 12/17/99

0 - 5" Fine sandy loam topsoil (SM); dark brown; fine granular; friable; A horizon

5 - 24" Fine sandy loam subsoil (ML); strong brown; medium subangular blocky; friable; wet at bedrock level; B horizon

24" + Bedrock

TH 8-1

0 - 4" Dark brown moist loam topsoil
4 - 28" Strong brown moist silt loam subsoil with light brown and brown mottles @ 24"
28 - 78" Brown moist to wet silt loam with light brown mottles (till)
78" + Bedrock, standing water at 38"

TH 8-2

0 - 2" Dark brown moist loam topsoil
2 - 34" Strong brown moist silt loam subsoil with light brown mottles @ 27"
34 - 60" Brown to light brown moist to we fine sandy loam and strong brown and light brown mottles (till)
60" + Bedrock, standing water at 46"

TH 8-3

0 - 2" Dark brown moist loam topsoil
2 - 25" Strong brown moist silt loam subsoil, with light brown and brown mottles @ 20"
25 - 60" Brown moist to wet silt loam with light brown and strong brown mottles and bands (till)
60" + Bedrock, no standing water

TH 8-4

0 - 2" Dark brown moist loam topsoil
2 - 33" Strong brown moist silt loam subsoil with light brown and brow mottles @ 23"
33 - 58" Brown moist to wet silt loam with light brown and strong brown mottles and bands (till)
58" + Bedrock, standing water at 46"

TH 8-5

0 - 2" Dark brown moist loam topsoil
2 - 24" Strong brown moist silt loam subsoil with fain brown mottles @ 22"
24" + Bedrock, standing water at 26"

TH 8-6

0 - 4" Dark brown moist loam topsoil
4 - 28" Strong brown moist silt loam subsoil with light brown and brown mottles @ 18"
28 - 50" Brown moist to wet silt loam with light brown and strong brown mottles and bands (till)
50" + Bedrock

TH 9-1

0 - 4" Dark brown moist loam topsoil
2 - 24" Strong brown moist silt loam subsoil with light brown mottles @ 19"
24 - 44" Brown Moist silt loam with strong brown and light brown mottles and bands (till)
44" + Bedrock, standing water at 41"

TH 9-2

0 - 4" Dark brown moist loam topsoil
2 - 24" Strong brown moist silt loam subsoil with light brown mottles @ 18"
24 - 44" Brown moist silt loam with strong brown and light brown mottles and bands (till)
44" + Bedrock, standing water at 35"

TH 9-3

0 4 " Dark brown moist loam topsoil
2 - 26" Strong brown moist silt loam subsoil with light brown mottles @ 20"
26 - 53" Brown moist silt loam with strong brown and light brown mottles and bands (till)
53" + Bedrock, standing water at 26"

TH 9-4

0 - 7" Dark brown moist loam topsoil
7 - 32" Strong brown moist silt loam subsoil with light brown mottles @ 21"
32 - 72: Brown moist silt loam with strong brown and light brown mottles and bands (till)
72" + Bedrock Standing water at 28"

TH 9-5

0 - 2" Dark brown moist loam topsoil
2 - 27" Strong brown moist silt loam subsoil with light brown mottles @ 21"
27 - 82" Brown moist silt loam with strong brown and light brown mottles and bands (till)
82" + Bedrock, standing water at 36"

TH 9-6

0 - 3" Dark brown moist loam topsoil
3 - 38" Strong brown moist silt loam subsoil with light brown mottles @ 22"
38 - 50" Brown moist silt loam with strong brown and light brown mottles and bands (till)
50" + Bedrock, standing water at 36"

TH 10-1

0 - 3" Dark brown moist fine sandy loam topsoil
3 - 25" Strong brown moist fine sandy to silt loam subsoil with brown mottles @ 24"
25 - 41" Brown wet loamy sand with strong brown and light brown mottles (till)
41" + Bedrock, no standing water

TH 10-2

0 - 2" Dark brown moist fine sandy loam topsoil
2 - 25" Strong brown moist to wet fine sandy loam subsoil with light brown mottles @ 23"
25" + Bedrock, no standing water

TH 10-3

0 - 4" Dark brown moist very fine sandy loam topsoil
4 - 30" Strong brown moist fine sandy to silt loam subsoil with brown mottles @ 24"
30 - 40" Strong brown moist sandy loam subsoil with brown and gray brown mottles
40 - 54" Brown to light brown moist gravelly loamy sand (till)
54" + Bedrock, no standing water

TH 10-4

0 - 3" Dark brown moist very fine sandy loam topsoil
3 - 25" Strong brown moist fine sandy to silt loam subsoil with brown mottles @ 22"
25 - 41" Strong brown moist sandy loam subsoil with brown and gray brown mottles
41 - 63" Brown to light brown moist gravelly loamy sand (till)
63" + Bedrock, standing water at 61"

TH 10-5

0 - 3" Dark brown moist fine sandy loam topsoil
3 - 29" Strong brown moist very fine sandy loam subsoil with light brown
29 - 48" Strong brown and light brown banded silt loam with brown and gray brown mottles
RESTRICTIVE LAYER (till)

53 - 65" Brown to light brown moist gravelly loamy sand (till)
65" + Bedrock, standing water at 62"

TH 10-8

Standing Water Level: None

Seasonal High Water Table (Mottling or Wet): None

Logged by Fortunato 12/23/99

0 - 5" Fine sandy loam, topsoil (SM); dark brown; fine granular; friable; A horizon
5 - 33" Very fine sandy loam subsoil (SM-ML); yellowish brown; fine subangular blocky; friable; B horizon
33 - 51" Loamy sand substratum (SP-SM); light gray and grayish brown; medium granular; very friable; C horizon
51" + Bedrock

TH 10-9

Standing Water Level: None

Seasonal High Water Table (Mottling or Wet): None

Logged by Fortunato 12/23/99

0 - 5" Fine sandy loam topsoil (SM); dark brown; fine granular; friable; A horizon
5 - 38" Very fine sandy loam subsoil (SM-ML); yellowish brown; fine subangular blocky; friable; B horizon
38" + Bedrock

TH 10-10

Standing Water Level: None

Seasonal High Water Table (Mottling or Wet): None

Logged by Fortunato 12/23/99

0 - 5" Fine sandy loam topsoil (SM); dark brown; fine granular; friable; A horizon
5 - 38" Very fine sandy loam subsoil (SM-ML); yellowish brown; fine subangular blocky; friable; B horizon
38" + Bedrock

TH 10-11

Standing Water Level: None

Seasonal High Water Table (Mottling or Wet): None

Logged by Fortunato 12/23/99

0 - 5" Fine sandy loam topsoil (SM); dark brown; fine granular; friable; A horizon
5 - 41" Very fine sandy loam subsoil (SM-ML); yellowish brown; fine subangular blocky; friable; B horizon
41" + Bedrock

TH 10-12

Standing Water Level: None

Seasonal High Water Table (Mottling or Wet): None

Logged by Fortunato 12/23/99

0 - 5" Fine sandy loam topsoil (SM); dark brown; fine granular; friable; A horizon
5 - 36" Very fine sandy loam, subsoil (SM-ML); strong brown; medium subangular blocky; friable; B horizon
36 - 52" Loamy fine sand substratum (SP-SM); pale brown and brown; fine subangular blocky; friable; C horizon
52" + Bedrock

TH 10-13

Standing Water Level: None

Seasonal High Water Table (Mottling or Wet): None

Logged by Fortunato 12/23/99

0 - 5" Fine sandy loam topsoil (SM); dark brown; fine granular; friable; A horizon
5 - 36" Very fine sandy loam subsoil (SM-ML); strong brown; medium subangular blocky; friable; B horizon
36 - 50" Loamy fine sand substratum (SP-SM); pale brown and brown; fine subangular blocky; friable; C horizon
50" + Bedrock

TH 94-2

Standing Water Level: 40"

Seasonal High Water Table (Mottling or Wet): 30"

Logged by Castanho/Fortunato 2/16/00

0 - 5" Fine sandy loam topsoil (SM); dark brown; fine granular; friable; A horizon; leaf litter and organic mat 1 inch (O horizon)
5 - 30" Very fine sandy loam subsoil (SM); strong brown; medium granular; friable; B horizon
30 - 48" Loamy sand substratum (SM-SP); light gray; fine granular; wet slightly-sticky, slightly-plastic; Cg, (gleyed) horizon
48" + Bedrock

TH 88-5

STANDING WATER LEVEL:NONE

SEASONAL HIGH WATER TABLE(MOTTLING):NONE

LOGGED BY: FORTUNADO 12/6/99

0-8 FINE SANDY LOAM, TOPSOIL(SM); VERY DARK BROWN; FINE GRANULAR;
FRIABLE; A HORIZON.

8-30 FINE SANDY LOAM, SUBSOIL (SM); STRONG BROWN; MEDIUM SUBANGULAR
BLOCKY; FRIABLE; B HORIZON.

30-50 GRAVELLY LOAMY SAND, SUBSTRATUM (GW-GM); LIGHT BROWNISH GRAY
AND YELLOWISH BROWN; MEDIUM GRANULAR; VERY FRIABLE; C HORIZON

50+ BEDROCK

TH 94-3

Standing Water Level: None

Seasonal High Water Table (Mottling or Wet): 30"

Logged by Castanho/Fortunato 2/16/00

0 - 5" fine sandy loam topsoil (SM); dark brown; fine granular; friable; A horizon; leaf litter and
organic mat 1 inch (0 horizon)

5 - 30" Very fine sandy loam subsoil (SM); strong brown; medium granular; friable; B horizon

30 - 47" Loamy sand substratum (SM-SP); light gray; fine granular; wet, slightly-sticky, slightly-
plastic; Cg
(gleyed) horizon

TH 94-4

Standing Water Level: None

Seasonal High Water Table (Mottling or Wet): None

Logged by Castanho/Fortunato 2/16/00

0 - 5 Fine sandy loam topsoil (SM); dark brown; fine granular; friable; A horizon; leaf litter and
organic mat 1 inch (0 horizon)

5 - 20" Very fine sandy loam subsoil (SM); strong brown; medium granular; friable; B horizon

20" + Bedrock

TH 94-5

Standing Water Level: None

Seasonal High Water Table (Mottling or Wet): None

Logged by Castanho/Fortunato 2/16/00

0 - 5" Fine sandy loam topsoil (SM); dark brown; fine granular; friable; A horizon; leaf litter and
organic mat 1 inch (0 horizon)

5 - 30" Very fine sandy loam subsoil (SM); strong brown; medium granular; friable; B horizon

30" + Bedrock

TH 95-1

Standing Water Level: None

Seasonal High Water Table (Mottling or Wet): 20"

Logged by Castanho/Fortunato 2/16/00

0 - 3" Fine sandy loam topsoil

(SM); dark brown; fine granular; friable; A horizon ; leaf litter and organic mat 2 inch (0 horizon)

3 - 20" Very fine sandy loam subsoil (SM); strong brown; medium subangular blocky; friable; B1 horizon

20 - 26" Very fine sandy loam subsoil (SM); light yellowish brown; medium subangular blocky; friable; many prominent gray and light brownish gray iron reductions (mottles); B2 horizon

26 - 47" Loamy sand substratum (SM); yellowish brown; medium granular; very friable; C horizon

47" + Bedrock

TH 95-2

Standing Water Level: None

Seasonal High Water Table (Mottling or Wet): 20"

Logged by Castanho/Fortunato 2/16/00

0 - 3" Fine sandy loam topsoil (SM); dark brown; fine granular; friable; A horizon; leaf litter and organic mat 2 (0 horizon)

3 - 20" Very fine sandy loam subsoil (SM); strong brown; medium subangular blocky; friable; B1 horizon

20 - 26: Very fine sandy loam subsoil (SM); light yellowish brown; medium subangular blocky; friable; many prominent gray and light brownish gray iron reductions (mottles); B2 horizon

26 - 47" Loamy sand substratum (SM); yellowish brown; medium granular; very friable; C horizon

47" + Bedrock

TH 95-3

Standing Water Level: 30"
Seasonal High Water Table (Mottling or Wet): 24"
Logged by Castanho/Fortunato 2/16/00

0 - 3" Fine sandy loam topsoil (SM); dark brown; fine granular; friable; A horizon; leaf litter and organic mat 2 inches (0 horizon)
3 - 24" Very fine sandy loam subsoil (SM); strong brown; medium subangular blocky; friable; B horizon
24 - 47" Loamy fine sand substratum (SM); light brownish gray; medium granular; wet common distinct gray iron reductions (mottles); Cg (gleyed horizon 47" + Bedrock

TH 95-4

Standing Water Level: 56"
Seasonal High Water Table (Mottling or Wet): 31"
Logged by Castanho/Fortunato 2/16/00

0 - 3" Fine sandy loam topsoil (SM); dark brown; fine granular; friable; A horizon ; leaf litter and organic mat 2 inches (0 horizon)
3 - 31" Very fine sandy loam subsoil (SM); strong brown; medium subangular blocky; friable; B horizon
31 - 57" Loam sand substratum (SM); light brownish gray and gray; medium granular; wet non-sticky, non-plastic; Cg (gleyed) horizon
57" + Bedrock

TH 95-5

Standing Water Level: 45"
Seasonal High Water Table (Mottling or Wet): 31"
Logged by Castanho/Fortunato 2/16/00

0 - 3" Fine sandy loam topsoil (SM); dark brown; fine granular; friable; A horizon; leaf litter and organic mat 2 inch (0 horizon)
3 - 31" Very fine sandy loam, subsoil (SM); strong brown; medium subangular blocky; friable; B horizon
31 - 46" Loamy sand substratum (SM); light brownish gray and gray; medium granular; wet non-sticky non-plastic; Cg (gleyed) horizon
46" + Bedrock

TH 95-6

Standing Water Level: None
Seasonal High Water Table (Mottling or Wet): 30"
Logged by Castanho/Fortunato 2/16/00

0 - 3" fine sandy loam, topsoil (SM); dark brown; fine granular; friable; A horizon; leaf litter and organic mat 2 inches (O horizon)
3 - 30" Very fine sandy loam subsoil (SM); strong brown; medium subangular blocky; friable;
B1 horizon
30 - 48" Very fine sandy loam subsoil (SM); light yellowish brown, medium subangular blocky; friable; many prominent gray and light brownish gray iron reduction (mottles); B2 horizon
48" + Bedrock

TH 95-7

+1 - 0" Leaf litter
0 - 3" Dark brown, moist silt loam topsoil
3 - 36" Strong brown, moist silt loam subsoil
36" + Bedrock, no standing water no mottles

TH 95-8

+1 - 0" Leaf litter
0 - 6" Dark brown, moist fine sandy loam topsoil
6 - 34" Strong brown, moist silt loam subsoil
34" + Bedrock, not standing water, no mottles

TH 95-9

+1 - 0" Leaf litter
0 - 4" Dark brown, moist loam topsoil
4 - 24" Strong brown, moist loam topsoil
24" + Bedrock, no standing water, no mottles

TH 95-10

+1 - 0" Leaf litter
0 - 6" Dark brown, moist silt loam topsoil
6 - 30" Strong brown, moist silt loam subsoil
30 - 46" Gray brown sandy loam, wet
46" + Bedrock, standing water at 7" (rained pervious night)

TH 95-11

+2 - 0" Leaf litter
0 - 5" Dark brown, moist silt loam topsoil
5 - 38" Strong brown, moist silt loam subsoil, faint yellow brown mottles at 24"

38" + Bedrock, standing water at 24"

TH 95-12

+1 = 0" Leaf litter

0 - 3" Dark brown, moist silt loam topsoil

3 - 37" Strong brown, moist silt loam subsoil, mottles at 23"

37" + Bedrock, standing water at 23"

TH 95-13

+1 - 0" Leaf litter

0 - 4" Dark brown moist silt loam topsoil

3 - 38" Strong brown, moist silt loam subsoil, faint yellow brown mottles at 18"

38" + Bedrock, standing water at 18"

TH 96-1

+1 - 0" Leaf litter

0 - 2" Dark brown, moist silt loam topsoil

2 - 34" Strong brown, moist very fine sandy loam subsoil with light brown mottles at 29"

34 - 41" Brown, moist fine sandy loam with light brown mottles

41" + Bedrock, not standing water

TH 96-6

+2 - 0" Leaf litter

0 - 4" Dark brown, moist silt loam topsoil

4 - 46" Strong brown, moist very fine sandy loam subsoil with light brown mottles at 34"

46" + Bedrock, not standing water

TH 99-1

0 - 4" Dark brown, moist silt loam topsoil

4 - 32" Dark yellow brown moist silt loam subsoil with yellow brown and light gray brown mottles at 17"

32 - 40" Light gray brown wet, fine sandy loam with yellow brown and strong brown mottles (till)

40" + Bedrock, standing water at 40", wet at 32"

TH 99-2

0 - 5" Dark brown, moist silt loam topsoil

5 - 41" Dark yellow brown moist, silt loam subsoil with yellow brown and light gray brown mottles at 17"
41" + Bedrock, no standing water

TH 99-3

0 - 8" Dark brown, moist silt loam topsoil
8 - 50" Dark yellow brown moist silt loam subsoil with yellow brown and light gray brown mottles at 19"

50" + Bedrock, standing water at 48"

TH 99-4

0 - 8" Dark brown, moist silt loam topsoil
8 - 54" Dark yellow brown moist silt loam subsoil with yellow brown and light gray brown mottles at 24"
54" + Bedrock, No standing water

TH 99-5

0 - 7" Dark brown, moist silt loam topsoil
7 - 70" Dark yellow brown moist, silt loam subsoil with yellow brown and light gray brown mottles at 22"

70" + Bedrock, standing water at 48"

TH 99-6

0 - 8" Dark brown, moist silt loam topsoil
8 - 67" Dark yellow brown moist silt loam subsoil with yellow brown and light gray brown mottles at 19"
67"+ Bedrock, standing water at 50"

TH 99-7

0 - 2" Dark brown, moist silt loam topsoil
2 - 37" Strong brown moist silt loam subsoil with light brown and strong brown mottles at 25"
37 - 75" Light brown moist sandy loam with yellow brown and strong brown mottles (till)
75"+ Bedrock, no standing water

TH 99-8

0 - 2" Dark brown moist silt loam topsoil
2 - 42" Strong brown moist silt loam subsoil with light brown and strong brown mottles at 21"
42 - 53" Light brown moist sandy loam with yellow brown and strong brown mottles (till)

53" + Bedrock, not standing water

TH 99-9

0 - 4" Dark brown moist silt loam topsoil
4 - 28" Strong brown moist silt loam subsoil with gray brown mottles at 18"
28 - 48" Gray moist silt loam with strong brown mottles (till)
48 - 76"+ Gray brown gravelly sandy loam with strong brown mottles (till)
76" + Bedrock, standing water at 63"

TH 99-10

0 - 6" Dark brown moist silt loam topsoil
6 - 32" Strong brown moist silt loam subsoil with gray brown mottles at 26"
32 - 44" Gray moist silt loam with strong brown mottles (till)
44 - 73"+
Gray brown gravelly sandy loam with strong brown mottles (till)
73" + Bedrock, standing water at 62"

TH 99-11

0 - 7" Dark brown moist silt loam topsoil
7 - 18" Strong brown moist silt loam subsoil with gray brown mottles at 16"
18 - 53" Gray moist, silt loam with strong brown mottles (till)
72" + Bedrock, standing water at 72"

TH 100-5

0 - 8" Dark brown, moist silt loam topsoil
8 - 30" Dark yellow brown moist, silt loam subsoil with yellow brown and light gray brown mottles at 19"
30 - 49" Dark yellow brown moist sandy loam with yellow brown and light gray brown mottles (till)
49" + Bedrock, no water

TH 100-6

0 - 2" Dark brown, moist silt loam topsoil
2 - 33" Strong brown moist silt loam subsoil with light gray brown mottles at 27"
33 - 50" Light gray brown moist sandy loam with yellow brown and light gray brown mottles (till)
Bedrock, no standing water

TH 100A

0 - 3" Dark brown moist silt loam topsoil
3 - 33" Strong brown moist silt loam subsoil with faint brown mottles at 27", wet at 30"
33" + Bedrock, no standing water, wet at 30"

LOT 6

TH 100-1

0 - 2" Dark brown moist silt loam topsoil
2 - 27" Strong brown moist silt loam subsoil
27" + Bedrock, no standing water

TH 100-2

0 - 8" Dark brown, moist silt loam topsoil
9 - 30" Strong brown moist silt loam subsoil with gray and brown mottles at 27"
30 - 41" Banded light gray brown and strong brown gravelly silt loam (till)
41" + Bedrock, no standing water

TH 100-3

0 - 2" Dark brown, moist silt loam topsoil
2 - 27" Dark yellow brown moist silt loam subsoil with gray and brown mottles at 16"
27 - 57" Dark yellow brown moist sandy loam with yellow brown and light gray brown mottles (till)
57" + Bedrock, no standing water

TH 100-4

0 - 9" Dark brown, moist silt loam topsoil
9 - 27" Dark yellow brown moist silt loam subsoil with yellow brown and light gray brown mottles at 19"
27 - 63" Dark yellow brown moist sandy loam with yellow brown and light gray brown mottles (till)
63" + Bedrock, standing water at 45"

TH 101-1

0 - 3" Dark brown fine sandy loam topsoil
3 - 30" Strong brown moist sandy loam subsoil with brown and light gray mottles at 28"
30 - 55" Light gray brown moist gravelly loamy sand (till) with strong brown and gray mottles (till)
55" + Bedrock, no water table found

TH 101-2

0 - 2" Dark brown fine sandy loam topsoil
2 - 24" Strong brown moist sandy loam subsoil, with brown and light gray mottles at 23"
24 - 76" Light gray brown moist gravelly loamy sand (till) with strong brown and gray mottles
(till)
76" + Bedrock, no water table found

TH 101-3

0 - 4" Dark brown fine sandy loam topsoil
4 - 28" Strong brown moist sandy loam subsoil with brown and light gray mottles at 24"
28 - 78" Light gray brown moist gravelly loamy sand (till) with strong brown and gray mottles
(till)
78" + Bedrock, no water table found

TH 101-4

0 - 3" Dark brown fine sandy loam topsoil
3 - 31" Strong brown fine sandy loam subsoil with brown and light gray mottles at 24"
31 - 66" Light gray brown, moist stony gravelly loamy sand (till) with strong brown and gray
mottles (till)
66" + Bedrock, no water table found

TH 101-5

0 - 4" Dark brow fine sandy loam topsoil
4 - 26" Strong brown moist sandy loam subsoil with brown and light gray mottles at 24"
26 - 79" Light gray brown moist gravelly loamy sand (till) with stron bgron and gray mottles
(till)
79" + Bedrock no water table found

TH 101-6

0 - 2" Dark brown fine sandy loam topsoil
2 - 30" Strong brown moist sandy loam subsoil with brown and light gray mottles at 28"
30 - 75" Light gray brown moist gravelly loam sand (till) with strong brown and gray mottles
(till)
78" + Bedrock, no water table found

LOT 7

TH 102-2

0 - 20" Dark brown fine sandy loam topsoil
20 - 72" Strong brown wilt loam subsoil moist with brown and strong brown mottles at 27"
72 - 96" Light brown compact moist gravelly loam sand (till) with brown and strong brown and gray mottles (till)
96" + No bedrock, no water table found

TH 102-3

0 - 8" Dark brown fine sandy loam topsoil
8 - 28" Dark yellow brown silt loam subsoil moist with brown and yellow brown mottles at 28"
28 - 47" Gray brown, compact moist silt loam (till) with yellow brown and strong brown mottles
47 - 75" Gray brown moist fine sandy loam with yellow brown bands (till)
75" + No bedrock, no water table found

TH 102-4

0 - 7" Dark brow fine sandy loam topsoil
7 - 26" Dark yellow brown silt loam subsoil, moist with brown and yellow brown mottles at 26"
26 - 32" Gray brown, compact moist silt loam (till) with yellow brown and strong brown mottles
32 - 97" Gray brown moist fine sandy loam with yellow brown bands (till)
97" + No bedrock, no water table found

LOT 8

No Test Holes

LOT 9

TH 103-3

0 - 8" Dark brown fine sandy loam topsoil
8 - 29" Strong brown fine sandy loam subsoil moist with brown and strong brow mottles at 23"
29 - 63" Brown compact moist gravelly loamy sand (till) with brown and strong brown mottles
63" + Bedrock, no water table found

TH 103-4

0 - 3" Dark brown fine sandy loam topsoil
3 - 24" Strong brown fine sandy loam subsoil, moist with brown and strong brown mottles at 20"
24 - 71" Brown, compact moist gravelly loamy sand (till) with brown and strong brown mottles
71" Bedrock, no water table found

TH 103-5

0 - 6" Dark brown fine sandy loam topsoil
6 - 21" Strong brown fine sandy loam subsoil, moist with brown and strong brown mottles at 17"
21 - 56" Brown, compact, moist gravelly loamy sand (till) with brown and strong brown mottles
56" + Bedrock, no water table found

TH 103-6

0 - 3" Dark brown fine sandy loam topsoil
3 - 19" Strong brown fine sandy loam subsoil moist with brow and strong brown mottles at 15"
19 - 37" Brown, compact, moist gravelly loam sand (till) with brown and strong brown mottles
37" + Bedrock, no water table found

LOT 10

TH 103-1

0 - 2" Dark brown fine sandy loam topsoil
2 - 20" Strong brown fine sandy loam subsoil, moist with brown and strong brown mottles
20 - 72" Brown, compact moist gravelly loam sand (till) with brown and strong brown mottles
72" + Bedrock, no water table found

TH 103-2

0 - 4" Dark brown fine sandy loam topsoil
4 - 20" Strong brown fine sandy loam subsoil, moist with brown and strong brown mottles at 15"
20 - 36" Brown, compact moist gravelly loam sand (till) with brown and strong brown mottles
36" + Bedrock, no water table found

TH 104-1

0 - 4" Dark brown fine sandy loam topsoil
4 - 23" Strong brown fine sandy loam subsoil moist with brown mottles at 18"
23 - 82" Brown very compact gravelly loamy sand (till) with brown and strong brown mottles
82" + Bedrock, no water table found

TH 104-2

0 - 3" Dark brown fine sandy loam topsoil
3 - 22" Strong brown fine sandy loam subsoil, moist with brown mottles at 18"

22 - 77" Brown very compact gravelly loamy sand (till) with brown and strong brown mottles
72" + Bedrock, no water table found

TH 104-3

0 - 8" Dark brown fine sandy loam topsoil
8 - 23" Strong brown fine sandy loam subsoil, moist with brown and strong brown mottles at 23"
23 - 56" Brown very compact gravelly loamy sand (till) with brown and strong brown mottles
56" + Bedrock, no water table found

TH 104-4

0 - 4" Dark brown fine sandy loam topsoil
4 - 43" Strong brown fine sandy loam subsoil moist with brown mottles at 39"
43 - 75" Brown, compact, moist gravelly loamy sand (till) with brown and strong brown mottles
75" + Bedrock, no water table found

TH 104-5

0 - 6" Dark brown fine sandy loam topsoil
6 - 22" Strong brown fine sandy loam subsoil moist with brown and strong brown mottles at 19"
22 - 58" Brown, compact, moist gravelly loamy sand (till) with brown and strong brown mottles
58" + Bedrock, no water table found

TH 104-6

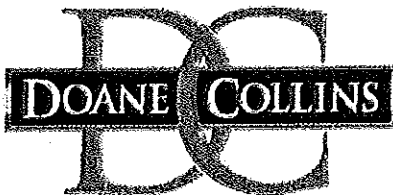
0 - 7" Dark brown fine sandy loam topsoil
7 - 20" Strong brown fine sandy loam subsoil, moist with brown and strong brown mottles at 16"
20 - 43" Brown, compact moist gravelly loamy sand (till) with brown and strong brown mottles
43" + Bedrock

RIVER SOUND

SOIL TEST DATA

INGHAM HILL RD. PARCELS EAST & WEST (SHEET RS-3)

DATED: December 1, 2010



DOANE-COLLINS ENGINEERING ASSOCIATES, LLC
P. O. BOX 113
15 DEEP RIVER ROAD
CENTERBROOK, CT 06409
860-767-0138

INGHAM HILL - EAST - OLD SAYBROOK

No BL Test Holes

Test Hole Data

Performed by Doane-Collins Eng. Assoc., LLC
& CRAHD on 6/1/10 and 6/2/10

TH 200

0 - 4" Topsoil & leaf litter

4 - 38" Brown, sandy silt subsoil

38 - 61" Gray/brown, silt, trace very fine sand

Ledge observed at 61"

No groundwater observed

Mottling observed at 38"
Restrictive layer @ 38"

TH 201

0 - 4" Topsoil
4 - 38" brown, sandy, silt subsoil
38 - 96" Gray/brown, silty sand, medium
cobbles & boulders
Roots observed to 25"
Ledge observed at 45" at north end (small knob)
No groundwater observed
Mottling observed at 57"
Restrictive layer @ 45"

TH 202

0 - 4" Topsoil & leaf litter
4 - 37" Brown, sandy silt
37 - 78" Gray/brown, firm, silty sand (medium to
coarse sand, little silt, gravel, stones & cobbles)
No ledge observed
No groundwater observed
Mottling observed at 78"

TH 203

Less than 4' to ledge

TH 204

0 - 5" Topsoil
5 - 27" Brown, sandy silt
27 - 66" Light brown, firm silty sand (medium to
coarse sand, little silt, gravel, stones & cobbles)
No ledge observed
No groundwater observed
No mottling observed

TH 205

0 - 4" Topsoil
4 - 29" Brown, sandy silt
29 - 62" Gray, mottled silt
62 - 103" Brown, silty sand
No ledge observed

No groundwater observed
Mottling observed at 29"

TH 206

Ledge observed at 15"

TH 207

0 - 4" Topsoil
4 - 47" Brown, sandy silt
47 - 64" Brown silt & sand, firm stones,
cobble & rocks
Roots observed to 45"
Ledge observed at 64"
No groundwater observed
No mottling observed
Restrictive layer @ 15"

TH 208

0 - 4" Topsoil
4 - 26" Brown, sandy silt
26 - 36" Light brown, very fine sand, little silt
36 - 80" Brown, firm, silty sand, medium to
coarse many rocks & boulders
Ledge observed at 68" at east end
No groundwater observed
No mottling observed

TH 209

0 - 4" Topsoil
4 - 21" Brown, sandy silt
21 - 39" Yellow/brown, silty sand, stones & cobbles
39 - 79" Silty sand & rotten rock
Ledge observed at 79"
No groundwater observed
No mottling observed

TH 210

0 - 4" Topsoil
4 - 35" Brown, sandy silt
35 - 54" Gray/brown, silt, trace silt
43 - 88" Red/brown rotten rock
Ledge observed at 88"
No groundwater observed
Mottling observed @ 35"
Restrictive layer @ 35"

TH 211

0 - 4" Topsoil
4 - 33" Brown, sandy silt
33 - 102" Very hard packed silty sand
& decomposed rock
No ledge observed
No groundwater observed
Mottling observed at 33"
Restrictive layer @ 33"

TH 212

0 - 4" Topsoil
4 - 29" Sandy silt
29 - 84" Very hard, packed, silty sand
& decomposed rock
No ledge observed
No groundwater observed
No mottling observed
Restrictive layer @ 29"

TH 213

0 - 4" Topsoil
4 - 30" Sandy silt
30 - 93" Very had packed silty sand
& decomposed rock
No ledge observed
No groundwater observed
No mottling observed
Restrictive layer @ 30"

TH 214

0 - 4" Topsoil
4 - 31" Brown, sandy silt
31 - 108" Very hard, packed, silty sand & decomposed rock
No ledge observed
No groundwater observed
No mottling observed
Restrictive layer @ 31"

TH 215

0 - 6" Topsoil
6 - 34" Brown, sandy silt
34 - 60" Firm, light brown, silty sand, stones & cobbles
Roots observed to 34"
Ledge observed at 60"
No groundwater observed
No mottling observed

TH 216

0 - 4" Topsoil
4 - 30" Brown, sandy silt
30 - 45" Firm, light brown, silty sand, stones & cobbles
45 - 80" Very hard packed silty, sand, rock & decomposed rock
Ledge observed at 80"
No groundwater observed
No mottling observed
Restrictive layer @ 45"

TH 217

0 - 4" Topsoil
4 - 22" Brown, sandy silt
22 - 33" Light brown, silty sand, stones & cobbles
33 - 64" Decomposed rock
No ledge observed
No groundwater observed
No mottling observed
Restrictive layer @ 33"

TH 218

0 - 4" Topsoil
4 - 32" Brown, sandy silt
32 - 48" Light brown, silty sand stone & cobbles
48 - 85" Brown, silty sand & decomposed rock
Ledge observed at 48" at west end
No groundwater observed
No mottling observed
Restrictive layer @ 48"

INGHAM HILL - WEST - OLD SAYBROOK (BL)

LOT 1 - No test Holes

LOT 2 - No test Holes

LOT 3 - No test Holes

LOT 4 - No test Holes

LOT 5 - No test Holes

LOT 6 - No test Holes

LOT 7 - No test Holes

LOT 8 - No test Holes

LOT 9 - No test Holes

LOT 10

TH 14-1

Standing Water Level: None

Seasonal High Water Table (Mottling or Wet): None

Logged by: Fortunato 12/9/99

0-8" Fine sandy loam, topsoil (SM); very dark grayish brown; fine granular; friable A horizon

8 - 17" Sandy loam subsoil (SM); yellowish brown; medium granular; very friable, B horizon

17 + Bedrock

TH 14-2

Standing Water Level: 32"

Seasonal High Water Table (Mottling or Wet): 30"

Logged by: Fortunato 12/9/99

0 - 8" Fine sandy loam, topsoil (SM); very dark brown; fine granular; friable; A horizon

8 - 26" Fine sandy loam, subsoil (SM); strong brown; fine subangular blocky; friable ; B horizon

26 - 32" Fine sandy loam, substratum (SM); yellowish brown; medium granular; wet, non-sticky, non-plastic; C horizon

32 + Bedrock

TH 14-3

Standing Water Level: None

Seasonal High Water Table (Mottling or Wet): None

Logged by: Fortunato 12/9/99

0 - 7" Fine sandy loam, topsoil (SM) very dark brown; fine granular; friable/ A horizon
7 - 32" Fine sandy loam, subsoil (SM); yellowish brown; fine subangular blocky; friable; B horizon
32 - 36" Sandy loam, substratum (SM); light yellowish brown; medium granular; very friable/ C horizon
36" + Bedrock

TH 14-4

Standing Water Level: None

Seasonal High Water Table (Mottling or Wet): None

Logged by: Fortunato 12/9/99

0 - 5" Fine sandy loam, topsoil (SM); very dark grayish brown; fine granular; friable; A horizon
5 - 24" Fine sandy loam, subsoil (SM); yellowish brown; medium subangular blocky; friable; B horizon
24" + Bedrock

TH 14-5

Standing Water Level: None

Seasonal High Water Table (Mottling or Wet): Very moist at 35"

Logged by: Fortunato 12/9/99

0 - 7" Fine sandy loam, topsoil (SM); very dark brown; fine granular; friable; A horizon
7 - 35" Fine sandy loam, subsoil (SM); yellowish brown; medium subangular blocky; friable; B horizon

35 - 41" Loamy fine sand, substratum (SM-ML); light yellowish brown; fine granular; wet, non-sticky, non-plastic; C horizon
41" + Bedrock

TH 14-6

Standing Water Level: None
Seasonal High Water Table (Mottling or Wet): None
Logged by: Fortunato 12/9/99

0 - 7" Fine sandy loam, topsoil (SM); very dark brown; fine granular; friable; A horizon
7 - 32" Fine sandy loam, subsoil (SM); yellowish brown; fine subangular block; friable; B horizon
32 - 36" Sandy loam, substratum (SM); light yellowish brown; medium granular; very friable, C horizon
36" + Bedrock

TH 116-1

Standing Water Level: None
Seasonal High Water Table (Mottling or Wet): None
Logged by: Fortunato 1/14/00

0 - 7" Fine sandy loam, topsoil (SM); brown; fine granular; friable; A horizon
7 - 40" Very fine sandy loam, subsoil (SM-ML); yellowish brown; medium subangular blocky; friable; B horizon
40 - 74" Gravelly loamy fine sand, substratum (GW-GW); light gray to light brownish gray; to pale brown; fine granular; very friable; C horizon
74" + Bedrock

TH 116-2

Standing Water Level: None
Seasonal High Water Table (Mottling or Wet): None
Logged by: Fortunato 1/14/00

0 - 7" Fine sandy loam, topsoil (SM); brown; fine granular; friable; A horizon

7 - 40" Very fine sandy loam, Subsoil (SM-ML); yellowish brown; medium subangular blocky; friable; B horizon
40 - 56" Gravelly loamy fine sand, substratum (GW-GW); light gray to light brownish gray; to pale brown; fine granular; very friable; C horizon
56 + Bedrock

TH 116-3

Standing Water Level: None
Seasonal High Water Table (Mottling or Wet): None
Logged by: Fortunato 1/14/00

0 - 7" Fine sandy loam, topsoil (SM); brown; fine granular; friable; A horizon
7 - 40" Very fine sandy loam, subsoil (SM-ML); yellowish brown; medium subangular blocky; friable; B horizon
40 - 60" Gravelly loamy fine sand, substratum (GW-GW); light gray to light brownish gray; to pale brown; fine granular; very friable; C horizon
60" + Bedrock

TH 116-4

Standing Water Level: None
Seasonal High Water Table (Mottling or Wet): None
Logged by: Fortunato 1/14/00

0 - 5" Fine sandy loam, topsoil (SM); brown; fine granular; friable; A horizon
5 - 30" Very fine sandy loam, subsoil (SM-ML); yellowish brown; medium subangular blocky; friable; B horizon
30" + Bedrock

TH 116-5

Standing Water Level: None
Seasonal High Water Table (Mottling or Wet): None
Logged by: Fortunato 1/14/00

0 - 5" Fine sandy loam, topsoil (SM); brown; fine granular; friable; A horizon
5 - 37" Very fine sandy loam, subsoil (SM-ML); yellowish brown; medium subangular blocky; friable; B horizon

37" + Bedrock

TH 116-6

Standing Water Level: None

Seasonal High Water Table (Mottling or Wet): None

Logged by: Fortunato 1/14/00

0 - 5" Fine sandy loam, topsoil (SM); brown; fine granular; friable; A horizon

5 - 32" Very fine sandy loam, subsoil (SM-ML); yellowish brown; medium subangular blocky; friable; B horizon

32" + Bedrock

TH 116-7

Standing Water Level: None

Seasonal High Water Table (Mottling or Wet): None

Logged by: Fortunato 1/14/00

0 - 5" Fine sandy loam, topsoil (SM); brown; fine granular; friable; A horizon

5 - 23" Very fine sandy loam, subsoil (SM-ML); yellowish brown; medium subangular blocky; friable; B horizon

23" + Bedrock

LOT 11

TH 115-1

Standing Water Level: None

Seasonal High Water Table (Mottling or Wet): None

Logged by: Fortunato 1/14/00

0 - 8" Fine sandy loam, topsoil (SM); dark brown; fine granular; friable; A horizon

8 - 38" Very fine sandy loam to silt loam, subsoil (SM)ML); yellowish brown; medium subangular blocky; friable; B horizon

38 - 60" Gravelly loamy sand, substratum (GW); brown to pale brown; medium to coarse granular; very friable to loose; C horizon

60" + Bedrock

TH 115-2

Standing Water Level: None

Seasonal High Water Table (Mottling or Wet): None

Logged by: Fortunato 1/14/00

0 - 8" Fine sandy loam, topsoil (SM); dark brown; fine granular; friable; A horizon
8 - 38" Very fine sandy loam to silt loam, subsoil
(SM-ML); yellowish brown; medium subangular blocky; friable; B horizon
38 - 60" Gravelly loamy sand, substratum (GW); brown to pale brown; medium to coarse
granular; very friable to loose; C horizon
60" + Bedrock

TH 115-3

Standing Water Level: None
Seasonal High Water Table (Mottling or Wet): None
Logged by: Fortunato 1/14/00

0 - 6" Fine sandy loam, topsoil (SM); dark brown; fine granular; friable; A horizon
6 - 36" Very fine sandy loam to silt loam, subsoil
(SM-ML); yellowish brown; medium subangular blocky; friable; B horizon
36" + Bedrock

TH 113-1

Standing Water Level: None
Seasonal High Water Table (Mottling or Wet): None
Logged by: Fortunato 1/14/00

0 - 6" Fine sandy loam, topsoil (SM); dark brown; fine granular; friable; A horizon
6 - 32" Fine sandy loam, subsoil (SM); yellowish brown; medium subangular blocky; friable; B
horizon
32 - 40" Gravelly loamy sand, substratum (SW-GM); brown to pale brown; medium to coarse
granular; very friable to loose; C horizon
40" + Bedrock

TH 113-2

Standing Water Level: None
Seasonal High Water Table (Mottling or Wet): None
Logged by: Fortunato 1/14/00

0 - 6" Fine sandy loam, topsoil (SM); dark brown; fine granular; friable; A horizon
6 - 32" Fine sandy loam, subsoil (SM); yellowish brown; medium subangular blocky; friable; B
horizon

32 - 50" Gravelly loamy sand, substratum (SW-GM); brown to pale brown; medium to coarse granular; very friable to loose; C horizon
50" + Bedrock

TH 113-3

Standing Water Level: None
Seasonal High Water Table (Mottling or Wet): None
Logged by: Fortunato 1/14/00

0 - 6" Fine sandy loam, topsoil (SM) dark brown; fine granular; friable; A horizon
6 - 30" Fine sandy loam, subsoil (SM); yellowish brown; medium subangular block; friable; B horizon
30 - 40" Gravelly loam sand, substratum (SW-GM); brown to pale brown, medium to coarse granular; very friable to loose; C horizon
40" + Bedrock

TH 113-4

Standing Water Level: None
Seasonal High Water Table (Mottling or Wet): None
Logged by: Fortunato 1/14/00

0 - 6" Fine sandy loam, topsoil (SM); dark brown; fine granular; friable; A horizon
6 - 32" Fine sandy loam, subsoil (SM); yellowish brown; medium subangular blocky; friable; B horizon
32 - 43" Gravelly loamy sand, substratum (SW-GM); brown to pale brown; medium to coarse granular; very friable to loose; C horizon
43" + Bedrock

TH 113-5

Standing Water Level: None
Seasonal High Water Table (Mottling or Wet): None
Logged by: Fortunato 1/14/00

0 - 6" Fine sandy loam, topsoil (SM); dark brown; fine granular; friable; A horizon

6 - 31" Fine sandy loam, subsoil (SM); yellowish brown; medium subangular blocky; friable; B horizon
31 - 48" Gravelly loamy sand, substratum (SW-GM); light gray, brown, and pale brown; medium to coarse granular; very friable to loose; C horizon
48" + Bedrock

TH 113-6

Standing Water Level: None
Seasonal High Water Table (Mottling or Wet): None
Logged by: Fortunato 1/14/00

0 - 6" Fine sandy loam, topsoil (SM); dark brown; fine granular; friable; A horizon
6 - 31" Fine sandy loam, subsoil (SM); yellowish brown; medium subangular blocky; friable; B horizon
31 - 48" Gravelly loamy sand, substratum (SW-GM); light gray, brown, and pale brown; medium to coarse granular; very friable to loose; C horizon
48" + Bedrock

LOT 12

TH 112-1

Standing Water Level: 48"
Seasonal High Water Table (Mottling or Wet): 38"
Logged by: Fortunato 1/14/00

0 - 7" Fine sandy loam, topsoil (SM); dark brown; fine granular; friable; A horizon
7 - 38" Fine sandy loam, subsoil (SM); yellowish brown; medium subangular blocky; friable; B horizon
38 - 55" Loamy fine sandy to loamy sand, substratum (SW-SM); pale brown; medium granular; wet, non-sticky, non-plastic; wet at 42", many, prominent, light brownish gray and light gray iron reductions (mottles); C horizon
50" + Bedrock

TH 112-2

Standing Water Level: None
Seasonal High Water Table (Mottling or Wet): 42"

Logged by: Fortunato 1/14/00

0 - 7" Fine sandy loam, topsoil (SM); dark brown; fine granular; friable; A horizon
7 - 30" Fine sandy loam, subsoil (SM); yellowish brown; medium subangular block; friable; B horizon
30 - 40" Loamy fine sandy to loamy sand, substratum (SW-SM); pale brown; medium granular; wet, non-sticky, non-plastic; wet at 30: many, prominent, light brownish gray and light gray iron reductions (mottles) C horizon
40" + Bedrock

TH 112-3

Standing Water Level: None
Seasonal High Water Table (Mottling or Wet): 30"
Logged by: Fortunato 1/14/00

0 - 7" Fine sandy loam, topsoil (SM); dark brown; fine granular; friable; A horizon
7 - 30" Fine sandy loam, subsoil (SM); yellowish brown; medium subangular blocky; friable; B horizon
30 - 41" Loamy fine sand to loamy sand, substratum (SW-SM); pale brown; medium granular; wet, non-sticky, non-plastic; wet at 30" many, prominent, light brownish gray and light gray iron reductions (mottles); C horizon
40" + Bedrock

TH 112-4

Standing Water Level: None
Seasonal High Water Table (Mottling or Wet): None
Logged by: Fortunato 1/14/00

0 - 5" Fine sandy loam, topsoil (SM); dark brown; fine granular; friable; A horizon
5 - 35" Fine sandy loam, subsoil (SM); strong brown; medium subangular blocky, friable; B horizon
35" + Bedrock

TH 112-5

Standing Water Level: None
Seasonal High Water Table (Mottling or Wet): None
Logged by: Fortunato 1/14/00

0 - 5" Fine sandy loam, topsoil (SM); dark brown; fine granular; friable; A horizon

5 - 33" Fine sandy loam, subsoil (SM); yellowish brown; medium subangular blocky; friable' B horizon
33 - 60" Gravelly loamy sand, substratum (SW-GM); brown; medium granular; very friable; C horizon
60" + Bedrock

TH 112-6

Standing Water Level: None
Seasonal High Water Table (Mottling or Wet): None
Logged by: Fortunato 1/14/00

0 - 5" Fine sandy loam, topsoil (SM); dark brown; fine granular; friable; A horizon
5 - 37" Fine sandy loam, subsoil (SM) strong brown; medium subangular blocky; friable;
B horizon
37" + Bedrock

TH 111-3

Standing Water Level: None
Seasonal High Water Table (Mottling or Wet): None
Logged by: Fortunato 1/14/00

0 - 7" Fine sandy loam, topsoil (SM); dark brown; fine granular; friable; A horizon
7 - 42" Very fine sandy loam, subsoil (SM-ML); yellowish brown; medium subangular blocky;
friable; B horizon
42" + Bedrock

TH 111-4

Standing Water Level: None
Seasonal High Water Table (Mottling or Wet): 30"
Logged by: Fortunato 1/14/00

0 - 7" Fine sandy loam, topsoil (SM); dark brown; fine granular; friable; A horizon
7 - 40" Very fine sandy loam, subsoil (SM-ML); yellowish brown; medium subangular blocky;
friable; wet at 30"; B horizon
40" + Bedrock

TH 111-5

Standing Water Level: None

Seasonal High Water Table (Mottling or Wet): 40"

Logged by: Fortunato 1/14/00

0 - 7" Fine sandy loam, topsoil (SM); dark brown; fine granular; friable; A horizon

7 - 40" Fine sandy loam, subsoil (SM); yellowish brown; medium subangular blocky; friable; B horizon

40 - 50" Gravelly sandy loam, substratum (SM)-GM); brown; medium granular; wet, non-sticky, non-plastic, wet at 40"; C horizon

50" + Bedrock

TH 111-6

Standing Water Level: 60"

Seasonal High Water Table (Mottling or Wet): 50"

Logged by: Fortunato 1/14/00

0 - 7" Fine sandy loam, topsoil (SM); dark brown; fine granular; friable; A horizon

7 - 42" Fine sandy loam, subsoil (SM); yellowish brown; medium subangular blocky; friable; B horizon

42 - 68" Gravelly loam sand, substratum (GW-GM); brown; medium granular wet, non-sticky, non-plastic; wet at 50"; C horizon

68" + Bedrock

TH 111-7

Standing Water Level: 60"

Seasonal High Water Table (Mottling or Wet): 50"

Logged by: Fortunato 1/14/00

0 - 7" Fine sandy loam, topsoil (SM); dark brown; fine granular; friable; A horizon

7 - 44" Fine sandy loam, subsoil (SM); yellowish brown; medium subangular blocky; friable; B horizon

44 - 68" Gravelly loamy sand, substratum (GW-GM); brown; medium granular; wet, non-sticky, non-plastic; wet at 50"; C horizon

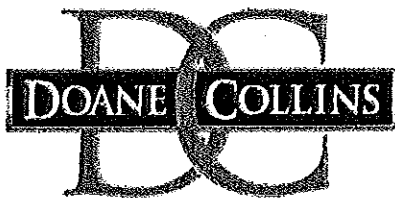
68" + Bedrock

RIVER SOUND

SOIL TEST DATA

BOKUM RD. PARCEL
(SHEET RS-5)

DATED: December 1, 2010



DOANE-COLLINS ENGINEERING ASSOCIATES, LLC
P. O. BOX 113
15 DEEP RIVER ROAD
CENTERBROOK, CT 06409
860-767-0138

PIANTA - BOKUM ROAD

Test Hole Data

Performed by Doane-Collins Eng. Assoc., LLC
& CRAHD on 6/3/10

TP 1

0 - 4" Topsoil
4 - 24" Very fine, silty sand
24 - 35" Fine silty sand
35 - 72" Medium sand coarse gravel & rocks
No ledge observed
Groundwater observed at 42"
No mottling observed

TP 2

0 - 8" Topsoil
8 - 28" Fine sand subsoil
28 - 43" Fine sand
43 - 92" Medium sand coarse gravel & rocks
No ledge observed
Groundwater observed at 50"
No mottling observed

TP 3

0 - 5" Topsoil
5 - 22" Orange/brown, fine subsoil
22 - 37" Fine sand
37 - 64" Medium/coarse sand
64 - 83" Coarse sand & gravel
No ledge observed
Groundwater observed at 48"
No mottling observed

TP 4

0 - 7" Topsoil
7 - 26" Orange/brown subsoil
26 - 47" Silty, fine sand
47 - 61" Fine sand
61 - 75" Coarse gravel
75 - 87" Gray medium sand
No ledge observed
Groundwater observed at 47"
No mottling-observed

TP 5

0 - 6" Topsoil

24 - 72" Fine, silty sand
72 - 95" Medium/coarse, sand & gravel
No ledge observed
Groundwater observed at 76"
Mottling observed at 64"

TP 6

0 - 6" Topsoil
6 - 25" Orange/brown, fine sand
25 - 58" Fine, silty sand
58 - 86" Medium sand & gravel
No ledge observed
Groundwater observed at 75"
Mottling observed at 57"

TP 7

0 - 7" Topsoil
7 - 27" Orange/brown, fine sand
27 - 62" Fine, silty sand
62 - 90" Medium/coarse sand
No ledge observed
Groundwater observed at 66"
Mottling observed at 62"

TP 8

0 - 5" Topsoil
5 - 33" Red/brown, fine sand
33 - 60" Fine, silty sand
60 - 92" Medium/coarse sand
No ledge observed
Groundwater observed at 77"
Mottling observed at 60"

TP 9

0 - 3" Topsoil
3 - 41" Red/brown sandy subsoil
41 - 84 Medium tan sand, coarse
No ledge observed
No groundwater observed
No mottling observed

TP 10

0 - 6" Topsoil
6 - 33" Red/brown, sandy subsoil
33 - 90" Medium tan sand, coarse
No ledge observed
Groundwater observed at 87"
No mottling observed

TP 11

0 - 4" Topsoil
4 - 34" Red/brown, sandy subsoil
34 - 96" Medium tan sand, coarse
No ledge observed
Groundwater observed at 85"
No mottling observed

TP 12

0 - 6" Topsoil
6 - 51" Red/brown, sandy subsoil
51 - 90" Medium tan sand
Ledge observed at 90"
No groundwater observed
No mottling observed

TP13

0 - 4" Topsoil
4 - 31" Yellow/brown, sandy subsoil
31 - 90" Tan sand, medium/coarse stone & gravel
No ledge observed
No groundwater observed
No mottling observed

TP 14

0 - 4" Topsoil
4 - 33" Red/brown, sandy subsoil
33 - 95" Yellow/brown, medium/coarse sand
No ledge observed
No groundwater observed
No mottling observed

TP 15

0 - 5" Topsoil
5 - 34" Red/brown, sandy subsoil
34 - 52" Yellow/brown, medium/coarse sand
Ledge observed at 52"
No groundwater observed
No mottling observed

TP 16

0 - 3" Topsoil
3 - 31" Red/brown, sandy subsoil
31 - 76" Yellow/brown, medium/coarse sand
Ledge observed at 76"
No groundwater observed
No mottling observed

TP 17

0 - 3" Topsoil
3 - 48" Red/brown, sand subsoil
48 - 82" Tan, medium/coarse sand
No ledge observed
No groundwater observed
No mottling observed

TP 18

0 - 3" Topsoil
3 - 54" Red/brown, sandy subsoil
54 - 104" Tan medium/coarse sand
No ledge observed
No groundwater observed
No mottling observed

TP 19

0 - 4" Topsoil
4 - 47" Red/brown, sandy subsoil
47 - 106" Tan, medium/coarse sand
No ledge observed
No groundwater observed
No mottling observed

TP 20

0 - 6" Topsoil

6 - 40" Red/brown, sandy subsoil
40 - 98" Tan medium/coarse sand
No ledge observed
No groundwater observed
No mottling observed

TP 21

0 - 3" Topsoil
3 - 41" Very fine, yellow/brown subsoil
41 - 96" Tan, medium sand & gravel
No ledge observed
Groundwater observed at 80"
Mottling observed at 72"

TP 22

0 - 5" Topsoil
5 - 40" Very fine, yellow/brown subsoil
40 - 88" Gray/brown sand, bony
No ledge observed
Groundwater observed at 64"
No mottling observed

TP 23

0 - 4" Topsoil
4 - 44" Red/brown subsoil
44 - 82" Very brown sand, gravel & cobbles
No ledge observed
Groundwater observed at 64"
No mottling observed

TP 24

0 - 4" Topsoil
4 - 37" Fine, red/brown subsoil
37 - 91" Orange/brown sand, gravel
No ledge observed
Groundwater observed at 89"
No mottling observed

TP 25

0 - 3" Topsoil
3 - 42" Orange/brown, fine silty sand

42 - 72" Yellow/brown, medium sand
Ledge observed at 72"
No groundwater observed
No mottling observed

TP 26

0 - 5" Topsoil
5 - 32" Orange/brown, fine sand
32 - 52" Fine, brown sand
52 - 92" Yellow/brown, medium/coarse sand
No ledge observed
No groundwater observed
No mottling observed

TP 27

0 - 3" Topsoil
3 - 32" Orange/brown, sand subsoil
32 - 53" Light brown, fine/medium sand
Ledge observed at 53"
No groundwater observed
No mottling observed

TP 28

0 - 4" Topsoil
4 - 33" Red/brown, fine silty sand subsoil
33 - 60" Fine, silty sand
60 - 90" Yellow/brown, medium/coarse sand
No ledge observed
No groundwater observed
No mottling observed

TP 29

0 - 4" Topsoil
4 - 37" Red/brown, fine sand
37 - 56" Yellow/brown, medium sand
Ledge observed at 56"
No groundwater observed
No mottling observed

TP 30

0 - 3" Topsoil
3 - 32" Red/brown, fine sand
32 - 76" Yellow/brown, medium sand
Ledge observed at 52" west
76" east

No groundwater observed
No mottling observed

TP 31"

0 - 5" Topsoil
5 - 32" Red/brown, fine sand
32 - 72" Yellow/brown, medium sand
Ledge observed at 72"
No groundwater observed
No mottling observed

TP 32

0 - 5" Topsoil
5 - 36" Red/brown, fine sand
36 - 83" Yellow/brown sand
Ledge observed at 83"
No groundwater observed
No mottling observed

TP 33

0 - 3" Topsoil
3 - 39" Red/brown, fine sand
39 - 66" Yellow/brown, sand & gravel
Ledge observed at 66"
No groundwater observed
No mottling observed

TP 34

0 - 4" Topsoil
4 - 32" Red/brown, fine sand
32 - 65" Yellow/brown, medium sand/gravel
Ledge observed at 65"
No groundwater observed
No mottling observed

TP 35

0 - 3" Topsoil
3 - 31" Yellow/brown, fine sand
31 - 86" Yellow/brown, medium sand/gravel
Ledge observed at 86"
No groundwater observed
No mottling observed

TP 36

0 - 4" Topsoil
4 - 44" Yellow/brown, fine sand
44 - 82" Yellow/brown, medium sand/gravel
Ledge observed at 82"
No groundwater observed
No mottling observed

Test Hole Data
Performed by Doane Eng. Assoc, LLC
& CRAHD 6/18/10

TH A

0 - 6" Topsoil
6 - 22" Light Brown, fine, silty subsoil
22 - 32" Tan, very fine silty sand
32 - 60" Gray, very fine, silty sand
60 - 84" Medium/coarse sand & gravel
Roots observed to 38"
Large boulders observed at 66"
No ledge observed
Groundwater observed at 63"
Restrictive observed at 51"

TH B

0 - 9" Topsoil
9 - 32" Orange/brown, silty subsoil
32 - 80" Gray, very fine, silty sand
80 - 107" Medium/coarse sand & gravel
No ledge observed
Groundwater observed at 80"
Mottling observed at 71"