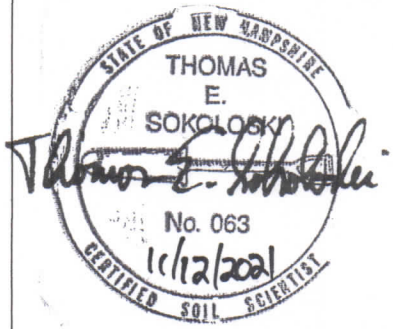


TES

TES ENVIRONMENTAL CONSULTANTS, L.L.C.

TEST PIT LOG SHEET

| Date: 11/8/2021 | | | Project No: 21-0065 | | | | Lot: Phase 1 Area | |
|---|--------|---------------------|---|---|-------------|---|--|--|
| CSS: Thomas E. Sokoloski | | | Project Name: Weston & Sampson/Prescott Park/ Portsmouth | | | | Test Pit No: 1 | |
| HOR | DEPTH | COLOR | TEXTURE | STRUCTURE | CONSISTENCY | REDOX FEATURES | NOTES | |
| Af | 0-10" | 10YR 3/3 | Fine sandy loam | Subangular blocky | Friable | None | Many fine roots to 2" depth. | |
| Bw | 10-15" | 10YR 5/4 | Loam | Subangular blocky | Friable | None | No roots | |
| Ab | 15-20" | 10YR 2/2 | Sandy loam | Subangular blocky | Friable | None | Appears to be former topsoil. | |
| Cf | 23-53" | 2.5Y 6/3 & 10YR 5/4 | Sandy loam and loam | Subangular blocky | Friable | Common, coarse, distinct 10YR 5/8 concentrations @27" | See notes. | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| <p>ESHWT: 27"</p> <p>ROOTS: 2"</p> <p>OBSERVED WATER: N/O</p> <p>LEDGE: N/O</p> <p>RESTRICTIVE LAYER: N/O</p> | | | | <p>NOTES: Fill: ash (2.5Y 6/3) from burned coal and/or wood, bricks, leather and metal debris mixed with loam similar to Bw horizon. Old landfill, now lawn in city park.</p> <p>Permeameter tests 1-3.</p> | | |  <p>CSS STAMP</p> | |

Amoozemeter Field Data Sheet

TES Environmental Consultants, LLC

| | |
|--|--------------------------|
| DATE: 11/8/21 | PERMEAMETER NO.: 1523 |
| LOCATION: Rescott Park Portsmouth, NH | AIR TEMPERATURE: |
| | BEGIN 61°F FINAL 61°F |
| TEST BY: Tom Sokoloski | |
| SOIL MAP UNIT: Udertments, loamy (500) | NOTES: Test Pit 1 |
| HORIZON: BF | |
| DISTURBED SITE: Yes | |
| SOIL LOG RECORDED: Yes | |

| SETUP CALCULATIONS | | | |
|----------------------|-----|----|----------------------------------|
| HOLE DEPTH | d+ | 28 | (BOTTOM OF HOLE TO SURFACE) |
| SURFACE TO REF. LINE | + | 5 | (ON AMOOZEMETER) |
| DEPTH OF H2O IN HOLE | H- | 15 | (15 CM MIN. - 5.9") |
| CHT TUBE SETTING | H1= | 18 | (SET TUBE FROM WATER LEVEL DOWN) |

OUTFLOW CHAMBERS USED 1 on = 20cm² CF
 & associated Conversion Factor 2 on = 105cm² CF

Test 2

11/11/21
83500

| FIELD TEST | 2 | | OF 12 | | | | |
|--|------------------|--------|-------------------------------------|---|--|-----------|--|
| DROP IN WATER LEVEL IN FLOW RES. (1) cm | ELAPSED TIME (2) | | OUTFLOW CHAMBER(S) USED (3) (CF) | OUTFLOW (Q) (1*3)/2 = (Q) cm ³ /hr. | SATURATED HYDRAULIC CONDUCTIVITY (K _{SAT}) = Q * Coeff A) A= 0.001163 when H=15cm | | |
| | min | min/hr | | | (cm / hr) | (in / hr) | |
| 0.3 | 5 | 0.083 | 105 | 378 | 0.44 | 0.17 | |
| 0.2 | 5 | 0.083 | 105 | 252 | 0.29 | 0.12 | |
| 0.2 | 5 | 0.083 | 105 | 252 | 0.29 | 0.12 | |
| 0.3 | 5 | 0.083 | 105 | 378 | 0.44 | 0.17 | |
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| Mean K _{SAT} | | | | | 0.37 | 0.14 | |
| StDev K _{SAT} | | | | | 0.08 | 0.03 | |

Amoozemeter Field Data Sheet

TES Environmental Consultants, LLC

| | |
|---|--------------------------|
| DATE: 11/8/21 | PERMEAMETER NO.: 1523 |
| LOCATION: Prescott Park Portsmouth, NH | AIR TEMPERATURE: |
| | BEGIN 61°F FINAL 61°F |
| TEST BY: Tom Sokoloski | |
| SOIL MAP UNIT: Udepts, loamy (500) | NOTES: Test Pit 1 |
| HORIZON: B+ | |
| DISTURBED SITE: Yes | |
| SOIL LOG RECORDED: Yes | |
| | |

| SETUP CALCULATIONS | | | |
|----------------------|-----|----|----------------------------------|
| HOLE DEPTH | d+ | 30 | (BOTTOM OF HOLE TO SURFACE) |
| SURFACE TO REF. LINE | + | 5 | (ON AMOOZEMETER) |
| DEPTH OF H2O IN HOLE | H- | 15 | (15 CM MIN. - 5.9") |
| CHT TUBE SETTING | H1= | 20 | (SET TUBE FROM WATER LEVEL DOWN) |

OUTFLOW CHAMBERS USED 1 on = 20cm² CF
 & associated Conversion Factor 2 on = 105cm² CF

Test 3
 11/11/21
 10:30

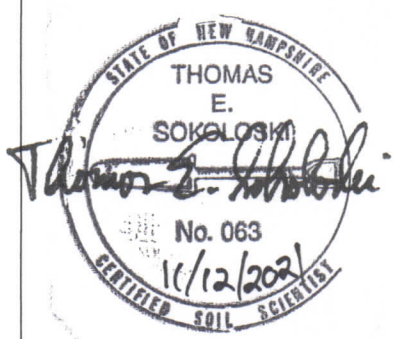
| FIELD TEST | 3 OF 12 | | 2 OUTFLOW CHAMBER(S) USED (3) | OUTFLOW (Q) (1*3)/2 = (Q) cm ³ /hr. | SATURATED HYDRAULIC CONDUCTIVITY (K _{SAT}) = Q * Coeff A) A = 0.001163 when H=15cm | | |
|------------------------|--|---------------------|---|---|--|-----------|--------|
| | DROP IN WATER LEVEL IN FLOW RES. (1) cm | ELAPSED TIME (2) | | | (cm / hr) | (in / hr) | |
| | | min | | | | | min/hr |
| 0.4 | 5 | 0.083 | 105 | 504 | 0.59 | 0.23 | |
| 0.2 | 5 | 0.083 | 105 | 252 | 0.29 | 0.12 | |
| 0.3 | 5 | 0.083 | 105 | 378 | 0.44 | 0.17 | |
| 0.3 | 5 | 0.083 | 105 | 378 | 0.44 | 0.17 | |
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| Mean K _{SAT} | | | | | 0.44 | 0.17 | |
| StDev K _{SAT} | | | | | 0.12 | 0.05 | |

$\bar{x}(1-3) = 0.15 \text{ in./hr.}$

TES

TES ENVIRONMENTAL CONSULTANTS, L.L.C.

TEST PIT LOG SHEET

| Date: 11/8/2021 | | | Project No: 21-0065 | | | | Lot: Phase 1 Area | |
|---|--------|---------------------|---|---|-------------|---|--|--|
| CSS: Thomas E. Sokoloski | | | Project Name: Weston & Sampson/Prescott Park/ Portsmouth | | | | Test Pit No: 2 | |
| HOR | DEPTH | COLOR | TEXTURE | STRUCTURE | CONSISTENCY | REDOX FEATURES | NOTES | |
| Af | 0-8" | 10YR 3/3 | Fine sandy loam | Subangular blocky | Friable | None | Many fine roots to 2" depth. | |
| Bw | 8-16" | 10YR 5/4 | Loam | Subangular blocky | Friable | None | No roots | |
| Ab | 16-23" | 10YR 2/2 | Sandy loam | Subangular blocky | Friable | None | Appears to be former topsoil. | |
| Cf | 23-58" | 2.5Y 6/3 & 10YR 5/4 | Sandy loam and loam | Subangular blocky | Friable | Common, coarse, distinct 10YR 5/8 concentrations @32" | See notes. | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| <p>ESHWT: 32"</p> <p>ROOTS: 2"</p> <p>OBSERVED WATER: 56"</p> <p>LEDGE: N/O</p> <p>RESTRICTIVE LAYER: N/O</p> | | | | <p>NOTES: Fill: ash (2.5Y 6/3) from burned coal and/or wood, bricks, leather and metal debris mixed with loam similar to Bw horizon. Old landfill, now lawn within city park.</p> <p>Permeameter tests 4-6.</p> | | |  <p>CSS STAMP</p> | |

Amoozometer Field Data Sheet

TES Environmental Consultants, LLC

| | |
|---|--------------------------|
| DATE: 11/8/21 | PERMEAMETER NO.: 1523 |
| LOCATION: Prescott Park Portsmouth, NH | AIR TEMPERATURE: |
| | BEGIN 61°F FINAL 61°F |
| TEST BY: Tom Sokoloski | |
| SOIL MAP UNIT: Udorthents, loamy (500) | NOTES: Test Pit 2 |
| HORIZON: BF | |
| DISTURBED SITE: yes | |
| SOIL LOG RECORDED: yes | |

| SETUP CALCULATIONS | | | |
|----------------------|-----|----|----------------------------------|
| HOLE DEPTH | d+ | 30 | (BOTTOM OF HOLE TO SURFACE) |
| SURFACE TO REF. LINE | + | 5 | (ON AMOOZEMETER) |
| DEPTH OF H2O IN HOLE | H- | 15 | (15 CM MIN. - 5.9") |
| CHT TUBE SETTING | H1= | 20 | (SET TUBE FROM WATER LEVEL DOWN) |

OUTFLOW CHAMBERS USED 1 on = 20cm² CF
 & associated Conversion Factor 2 on = 105cm² CF

| FIELD TEST (1) | 4 OF 12 | | 2 OUTFLOW CHAMBER(S) USED (3) (CF) | OUTFLOW (Q) (1*3)/2 = (Q) cm ³ /hr. | SATURATED HYDRAULIC CONDUCTIVITY (K _{SAT}) = Q * Coeff | |
|-------------------|---------------------|-------|---|---|---|-----------|
| | ELAPSED TIME (2) | | | | A) A= 0.001163 when H=15cm | |
| | cm | min | | | min/hr | (cm / hr) |
| 0.6 | 5 | 0.083 | 105 | 756 | 0.88 | 0.35 |
| 0.5 | 5 | 0.083 | 105 | 630 | 0.73 | 0.29 |
| 0.4 | 5 | 0.083 | 105 | 504 | 0.59 | 0.23 |
| 0.4 | 5 | 0.083 | 105 | 504 | 0.59 | 0.23 |
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| | | | | Mean K _{SAT} | 0.70 | 0.27 |
| | | | | StDev K _{SAT} | 0.14 | 0.06 |

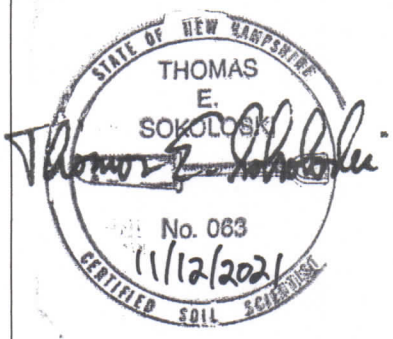
Test 4

11110
1115
1110
1120

TES

TES ENVIRONMENTAL CONSULTANTS, L.L.C.

TEST PIT LOG SHEET

| Date: 11/8/2021 | | | Project No: 21-0065 | | | | Lot: Phase 1 Area | |
|--|--------|---------------------|---|--|-------------|--|-------------------------------|--|
| CSS: Thomas E. Sokoloski | | | Project Name: Weston & Sampson/Prescott Park/ Portsmouth | | | | Test Pit No: 3 | |
| HOR | DEPTH | COLOR | TEXTURE | STRUCTURE | CONSISTENCY | REDOX FEATURES | NOTES | |
| Af | 0-8" | 10YR 3/3 | Fine sandy loam | Subangular blocky | Friable | None | Many fine roots to 2" depth. | |
| Bw | 8-16" | 10YR 5/4 | Loam | Subangular blocky | Friable | None | No roots | |
| Ab | 16-23" | 10YR 2/2 | Sandy loam | Subangular blocky | Friable | None | Appears to be former topsoil. | |
| Cf | 23-58" | 2.5Y 6/3 & 10YR 5/4 | Sandy loam and loam | Subangular blocky | Friable | Few, fine, distinct 10YR 5/8 concentrations @32" | See notes. | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| ESHWT: 32" ROOTS: 2" OBSERVED WATER: N/O LEDGE: N/O RESTRICTIVE LAYER: N/O | | | | NOTES: Fill: ash (2.5Y 6/3) from burned coal and/or wood, bricks, leather and metal debris mixed with loam similar to Bw horizon. Old landfill, now lawn within city park. Permeameter tests 7-9. | |  <p>CSS STAMP</p> | | |

Amoozometer Field Data Sheet

TES Environmental Consultants, LLC

| | | |
|---|---|------|
| DATE: 11/8/21 | PERMEAMETER NO.: 1523 | |
| LOCATION: Prescott Park Portsmouth, NH | AIR TEMPERATURE: | |
| | BEGIN | 57°F |
| | FINAL | 57°F |
| TEST BY: Tom Sokoloski | | |
| SOIL MAP UNIT: Underneath loamy (500) | NOTES: <div style="font-size: 2em; text-align: center;">Test Pit 3</div> | |
| HORIZON: Bt | | |
| DISTURBED SITE: Yes | | |
| SOIL LOG RECORDED: Yes | | |

| SETUP CALCULATIONS | | | |
|----------------------|-----|----|----------------------------------|
| HOLE DEPTH | d+ | 33 | (BOTTOM OF HOLE TO SURFACE) |
| SURFACE TO REF. LINE | + | 5 | (ON AMOOZEMETER) |
| DEPTH OF H2O IN HOLE | H- | 15 | (15 CM MIN. - 5.9") |
| CHT TUBE SETTING | H1= | 23 | (SET TUBE FROM WATER LEVEL DOWN) |

OUTFLOW CHAMBERS USED 1 on = 20cm² CF

& associated Conversion Factor 2 on = 105cm² CF

| FIELD TEST | | 7 | | OF 12 | | |
|--------------------------------------|------------------|-------|----------------------------------|---------------------------|---|-----------|
| DROP IN WATER LEVEL IN FLOW RES. (1) | ELAPSED TIME (2) | | 2 OUTFLOW CHAMBER(S) USED (3) | OUTFLOW (Q) (1*3)/2 = (Q) | SATURATED HYDRAULIC CONDUCTIVITY (K _{SAT}) = Q * Coeff A) A= 0.001163 when H=15cm | |
| | cm | min | min/hr | (CF) | cm ³ /hr. | (cm / hr) |
| 0.5 | 5 | 0.083 | 105 | 630 | 0.73 | 0.29 |
| 0.4 | 5 | 0.083 | 105 | 504 | 0.59 | 0.23 |
| 0.4 | 5 | 0.083 | 105 | 504 | 0.59 | 0.23 |
| 0.3 | 5 | 0.083 | 105 | 378 | 0.44 | 0.17 |
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| Mean K _{SAT} | | | | | 0.59 | 0.23 |
| StDev K _{SAT} | | | | | 0.12 | 0.05 |

Test 7

0.59
0.12

Amoozometer Field Data Sheet

TES Environmental Consultants, LLC

| | |
|--|-----------------------|
| DATE: 11/8/21 | PERMEAMETER NO.: 1523 |
| LOCATION: Rescott Park Portsmouth | AIR TEMPERATURE: |
| | BEGIN 57°F |
| | FINAL 57°F |
| TEST BY: Tom Sokoloski | |
| SOIL MAP UNIT: Udorthents, loamy (50b) | NOTES: Test Pit 3 |
| HORIZON: BF | |
| DISTURBED SITE: Yes | |
| SOIL LOG RECORDED: Yes | |

| SETUP CALCULATIONS | | | |
|----------------------|-----|----|----------------------------------|
| HOLE DEPTH | d+ | 33 | (BOTTOM OF HOLE TO SURFACE) |
| SURFACE TO REF. LINE | + | 5 | (ON AMOOZEMETER) |
| DEPTH OF H2O IN HOLE | H- | 15 | (15 CM MIN. - 5.9") |
| CHT TUBE SETTING | H1= | 23 | (SET TUBE FROM WATER LEVEL DOWN) |

OUTFLOW CHAMBERS USED 1 on = 20cm² CF

& associated Conversion Factor 2 on = 105cm² CF

| FIELD TEST | | 8 | | OF 12 | | |
|--------------------------------------|------------------|-------|-----------------------------|--|--|-----------|
| DROP IN WATER LEVEL IN FLOW RES. (1) | ELAPSED TIME (2) | | OUTFLOW CHAMBER(S) USED (3) | OUTFLOW (Q) (1*3)/2 = (Q) cm ³ /hr. | SATURATED HYDRAULIC CONDUCTIVITY (K _{SAT}) = Q * Coeff | |
| | cm | min | | | min/hr | (cm / hr) |
| 0.3 | 5 | 0.083 | 2 105 | 378 | 0.44 | 0.17 |
| 0.2 | 5 | 0.083 | 105 | 252 | 0.29 | 0.12 |
| 0.3 | 5 | 0.083 | 105 | 378 | 0.44 | 0.17 |
| 0.3 | 5 | 0.083 | 105 | 378 | 0.44 | 0.17 |
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| | | | | Mean K _{SAT} | 0.40 | 0.16 |
| | | | | StDev K _{SAT} | 0.07 | 0.03 |

Test 8
11/8/21
6:50 PM

Amoozometer Field Data Sheet

TES Environmental Consultants, LLC

| | |
|---|--------------------------|
| DATE: 11/8/21 | PERMEAMETER NO.: 1523 |
| LOCATION: Prescott Park Portsmouth, NH | AIR TEMPERATURE: |
| | BEGIN 59°F FINAL 59°F |
| TEST BY: Tom Sokoloski | |
| SOIL MAP UNIT: Uplands, loamy (500) | NOTES: Test Pit 3 |
| HORIZON: BT | |
| DISTURBED SITE: yes | |
| SOIL LOG RECORDED: yes | |

| SETUP CALCULATIONS | | | |
|----------------------|-----|----|----------------------------------|
| HOLE DEPTH | d+ | 34 | (BOTTOM OF HOLE TO SURFACE) |
| SURFACE TO REF. LINE | + | 5 | (ON AMOOZEMETER) |
| DEPTH OF H2O IN HOLE | H- | 15 | (15 CM MIN. - 5.9") |
| CHT TUBE SETTING | H1= | 24 | (SET TUBE FROM WATER LEVEL DOWN) |

OUTFLOW CHAMBERS USED 1 on = 20cm² CF

& associated Conversion Factor 2 on = 105cm² CF

| FIELD TEST | | 9 | | OF 12 | | |
|--------------------------------------|------------------|-------|-----------------------------|--|---|-----------|
| DROP IN WATER LEVEL IN FLOW RES. (1) | ELAPSED TIME (2) | | OUTFLOW CHAMBER(S) USED (3) | OUTFLOW (Q) (1*3)/2 = (Q) cm ³ /hr. | SATURATED HYDRAULIC CONDUCTIVITY (K _{SAT}) = Q * Coeff A) A= 0.001163 when H=15cm | |
| | cm | min | | | min/hr | (cm / hr) |
| 0.3 | 5 | 0.083 | 2 105 | 378 | 0.44 | 0.17 |
| 0.4 | 5 | 0.083 | 105 | 504 | 0.59 | 0.23 |
| 0.7 | 5 | 0.083 | 105 | 882 | 1.03 | 0.40 |
| 0.7 | 5 | 0.083 | 105 | 882 | 1.03 | 0.40 |
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| | | | | Mean K _{SAT} | 0.77 | 0.30 |
| | | | | StDev K _{SAT} | 0.30 | 0.12 |

Test 9
 11
 10
 15
 20

$\bar{x}(7-9) = 0.23 \text{ in./hr.}$

Amoozemeter Field Data Sheet

TES Environmental Consultants, LLC

| | | | |
|---|--|-----------------------|------|
| DATE: 11/8/11 | | PERMEAMETER NO.: 1523 | |
| LOCATION: Prescott Park Portsmouth, NH | | AIR TEMPERATURE: | |
| | | BEGIN | 61°F |
| | | FINAL | 61°F |
| TEST BY: Tom Sokoloski | | | |
| SOIL MAP UNIT: Ulaerthentz, loamy (500) | | NOTES: Test Pit 4 | |
| HORIZON: BF | | | |
| DISTURBED SITE: Yes | | | |
| SOIL LOG RECORDED: No | | | |

| SETUP CALCULATIONS | | | |
|----------------------|-----|----|----------------------------------|
| HOLE DEPTH | d+ | 26 | (BOTTOM OF HOLE TO SURFACE) |
| SURFACE TO REF. LINE | + | 5 | (ON AMOOZEMETER) |
| DEPTH OF H2O IN HOLE | H- | 15 | (15 CM MIN. - 5.9") |
| CHT TUBE SETTING | H1= | 16 | (SET TUBE FROM WATER LEVEL DOWN) |

OUTFLOW CHAMBERS USED 1 on = 20cm² CF
 & associated Conversion Factor 2 on = 105cm² CF

| FIELD TEST | | 10 | | OF 12 | | OUTFLOW CHAMBER(S) USED (3) | OUTFLOW (Q) (1*3)/2 = (Q) cm ³ /hr. | SATURATED HYDRAULIC CONDUCTIVITY (K _{SAT}) = Q * Coeff A) A= 0.001163 when H=15cm | |
|--------------------------------------|------------------|--------|------|-----------|-----------|-----------------------------|--|---|------|
| DROP IN WATER LEVEL IN FLOW RES. (1) | ELAPSED TIME (2) | | (CF) | (cm / hr) | (in / hr) | | | | |
| cm | min | min/hr | | | | | | | |
| 1.2 | 2 | 0.03 | 105 | 3780 | 4.40 | 1.73 | | | |
| 1.1 | 2 | 0.03 | 105 | 3465 | 4.03 | 1.59 | | | |
| 1.1 | 2 | 0.03 | 105 | 3465 | 4.03 | 1.59 | | | |
| 1.1 | 2 | 0.03 | 105 | 3465 | 4.03 | 1.59 | | | |
| | | | | | | | Mean K _{SAT} | 4.12 | 1.62 |
| | | | | | | | StDev K _{SAT} | 0.18 | 0.07 |

Test 10

- 0

- 2

- 4

- 6

- 8

Amoozometer Field Data Sheet

TES Environmental Consultants, LLC

| | |
|---|--------------------------|
| DATE: 11/8/21 | PERMEAMETER NO.: 1523 |
| LOCATION: Prescott Park Portsmouth, NH | AIR TEMPERATURE: |
| | BEGIN 61°F FINAL 61°F |
| TEST BY: Tom Sokoloski | |
| SOIL MAP UNIT: Uderthentz, loamy (500) | NOTES: Test Pit 4 |
| HORIZON: B _F | |
| DISTURBED SITE: Yes | |
| SOIL LOG RECORDED: No | |

| SETUP CALCULATIONS | | | |
|----------------------|-----|----|----------------------------------|
| HOLE DEPTH | d+ | 29 | (BOTTOM OF HOLE TO SURFACE) |
| SURFACE TO REF. LINE | + | 5 | (ON AMOOZEMETER) |
| DEPTH OF H2O IN HOLE | H- | 15 | (15 CM MIN. - 5.9") |
| CHT TUBE SETTING | H1= | 19 | (SET TUBE FROM WATER LEVEL DOWN) |

Test 11
11111
0850

OUTFLOW CHAMBERS USED 1 on = 20cm² CF
& associated Conversion Factor 2 on = 105cm² CF

| FIELD TEST | 11 OF 12 | | | | | |
|--|------------------|--------|-------------------------------------|---|--|-----------|
| DROP IN WATER LEVEL IN FLOW RES. (1) cm | ELAPSED TIME (2) | | OUTFLOW CHAMBER(S) USED (3) (CF) | OUTFLOW (Q) (1*3)/2 = (Q) cm ³ /hr. | SATURATED HYDRAULIC CONDUCTIVITY (K _{SAT}) = Q * Coeff A) A= 0.001163 when H=15cm | |
| | min | min/hr | | | (cm / hr) | (in / hr) |
| 0.6 | 2 | 0.03 | 105 | 1890 | 2.20 | 0.87 |
| 0.4 | 2 | 0.03 | 105 | 1260 | 1.47 | 0.58 |
| 0.4 | 2 | 0.03 | 105 | 1260 | 1.47 | 0.58 |
| 0.5 | 2 | 0.03 | 105 | 1575 | 1.83 | 0.72 |
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| | | | | | | |
| | | | | Mean K _{SAT} | 1.74 | 0.69 |
| | | | | StDev K _{SAT} | 0.35 | 0.14 |

Amoozometer Field Data Sheet

TES Environmental Consultants, LLC

| | | | |
|---|-----------------------|------|--|
| DATE: 11/8/21 | PERMEAMETER NO.: 1523 | | |
| LOCATION: Prescott Park Portsmouth, NH | AIR TEMPERATURE: | | |
| | BEGIN | 57°F | |
| | FINAL | 57°F | |
| TEST BY: Tom Sokoloski | | | |
| SOIL MAP UNIT: Udarthenz, loamy (500) | NOTES: Test Pit 4 | | |
| HORIZON: RP | | | |
| DISTURBED SITE: Yes | | | |
| SOIL LOG RECORDED: No | | | |

| SETUP CALCULATIONS | | | |
|----------------------|-----|----|----------------------------------|
| HOLE DEPTH | d+ | 29 | (BOTTOM OF HOLE TO SURFACE) |
| SURFACE TO REF. LINE | + | 5 | (ON AMOOZEMETER) |
| DEPTH OF H2O IN HOLE | H- | 15 | (15 CM MIN. - 5.9") |
| CHT TUBE SETTING | H1= | 19 | (SET TUBE FROM WATER LEVEL DOWN) |

OUTFLOW CHAMBERS USED 1 on = 20cm² CF
 & associated Conversion Factor 2 on = 105cm² CF

| FIELD TEST | | 12 | | OF 12 | | | |
|--|------------------|--------|-------------------------------------|--|--|-----------|--|
| DROP IN WATER LEVEL IN FLOW RES. (1) cm | ELAPSED TIME (2) | | OUTFLOW CHAMBER(S) USED (3) (CF) | OUTFLOW (Q) (1*3)/2 = (Q) cm ³ /hr. | SATURATED HYDRAULIC CONDUCTIVITY (K _{SAT}) = Q * Coeff A) A= 0.001163 when H=15cm | | |
| | min | min/hr | | | (cm / hr) | (in / hr) | |
| 0.6 | 3 | 0.05 | 105 | 1260 | 1.47 | 0.58 | |
| 0.6 | 3 | 0.05 | 105 | 1260 | 1.47 | 0.58 | |
| 0.5 | 3 | 0.05 | 105 | 1050 | 1.22 | 0.48 | |
| 0.5 | 3 | 0.05 | 105 | 1050 | 1.22 | 0.48 | |
| | | | | | | | |
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| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Mean K _{SAT} | | | | | 1.34 | 0.53 | |
| StDev K _{SAT} | | | | | 0.14 | 0.06 | |

Test 12

11111

1050

1050

1050

1050

1050

x̄(10-12) = 0.95 in./hr.