ENVIRONMENTAL STRATEGIES CONSULTING LLC
11911 Freedom Drive, Suite 900 • Reston, Virginia 20190 • (703) 709-6500 • Fax (703) 709-8505

June 22, 2006

Mr. James Burke
Regional Hazardous Waste Engineer
New York State Department of Environmental Conservation
615 Erie Blvd. West
Syracuse, NY 13204

Re: Aquifer Testing Summary and Design Modification Status
Emerson Power Transmission Facility, Ithaca, New York

Dear Mr. Burke:

On behalf of Emerson, Environmental Strategies Consulting LLC is submitting four copies of the *Aquifer Testing Summary*. This summary details the key results of the aquifer testing completed within the remediation area at the Emerson Power Transmission facility (former Morse Industrial Corporation, Site No. 7-55-010) located in Ithaca, New York. As requested, this information is being submitted so that technical input related to the planned remediation system upgrades can be provided by the New York State Department of Environmental Conservation (NYSDEC). As detailed in the enclosed summary, Emerson is proceeding with design upgrades and would appreciate the State's input by July 14, 2006 so that design work can be completed and the actual upgrade modifications can begin. Listed below is the current schedule.

System Modification Design

This work has begun (task to be completed in June 2006).

System Modification

System modifications will begin immediately after completing the design. Environmental Strategies anticipates that this effort will take between 6 to 8 weeks to complete (i.e., task completed in July/August 2006). This timetable assumes that four extraction wells are installed and treatment upgrades are installed to handle the additional flow.

Construction Completion Report

The completion report will be submitted to the NYSDEC within 6 to 8 weeks of completing all field activities (i.e., task complete in August/September 2006).

If you have any questions regarding this letter, please don't hesitate to call me at (703) 709-6500.

Sincerely yours,

James P. Bulman
Executive Partner

JPB:sph:slp
k:\client\emerson\ithaca\nysdec comments/emerson response/pumping_test_update.doc

cc: Mr. Derek Chase, Emerson
Henriette Hamel, NYSDOH

**Aquifer Testing Summary**
**Emerson Power Transmission**
**Ithaca, New York**
**June 26, 2006**

## Aquifer Testing Objectives

- The scope of work was designed to evaluate the shallow bedrock aquifer's response to pumping conditions and to generate data for designing an appropriate upgrade to the existing groundwater extraction system. The system upgrades are intended to increase hydraulic control and the mass removal rate of volatile organic compounds (VOCs) present within the upper portion of fractured bedrock ("B" zone).

## Aquifer Testing Setup

- Environmental Strategies conducted aquifer testing at the Emerson Power Transmission facility between February 6 and 10, 2006. The work was conducted in accordance the *Aquifer Testing and Design Modification Work Plan*, dated July 7, 2005, and approved by the New York State Department of Environmental Conservation's (NYSDEC's) on August 3, 2005.

- The aquifer testing involved conducting a 27 hour constant rate test on February 8, 2006, and a 133 minute short-duration test on February 10, 2006. The constant rate test involved extracting groundwater from the B zone (MW-3B) and the short duration test involved extracting groundwater from the shallow C-zone (MW-3-31).

- During the constant rate test, pumping occurred continuously for 27 hours at a constant rate of 0.085 gpm for the first 25 hours and then an increased rate of 0.3 gpm for the remaining 2 hours to provide additional stress to the aquifer.

- Monitoring wells MW-1B, MW-2, MW-2B, MW-5B, MW-3-13, and existing extraction wells MW-3-31 and EW-3 were used to monitor water levels during the aquifer testing. Three wells (MW-1B, MW-2B, and MW-5B) are screened in the same interval as the pumping well MW-3B, the highly fractured "B" zone. Observation well MW-3-13 is screened within the overlying "A" zone. Observation wells MW-3-31, MW-2, and EW-1 are cased through the "A" and "B" zones and have open boreholes within the "C" zone. Observing water level changes in wells below the pumping well was performed to evaluate potential communication between the "B" and "C" zones. Figure 1 shows the pumping test layout.

- During the short duration test, pumping occurred for 133 minutes. Groundwater was extracted from C-zone well MW-3-31 and monitoring was performed in overlying B-zone wells MW-2B, MW-3B, and MW-5B.

**Aquifer Testing Analysis**

- Figure 2 shows a generalized geologic cross section of the remediation area and the observed drawdown during the constant rate test conducted at MW-3B. Figure 3 is a graph showing the measured drawdown during pumping.

- Water level data collected during the constant-rate pumping test was analyzed to determine the hydraulic characteristics of the B-zone. Based on the varying responses measured during the constant rate test, two aquifer test method were used to evaluate the results.

- The upper portion of fractured bedrock (B-zone) is conceptualized as small blocks of rock separated by very closely spaced vertical and horizontal planes of porosity/permeability and the aquifer material in the area between MW-5B and MW-1B was assumed to behave as a porous media. Therefore, the Neuman Method (1975) was used to evaluate the drawdown data from wells MW-1B, MW-3B, and MW-5B.

- MW-2B is located in an area where the upper portion of bedrock is less fractured when compared to wells MW-1B, 3B, and 5B and the response to pumping is assumed to be the result of primary and secondary porosity (fracture flow). Therefore, a non-porous media test method (Moench Fracture Flow Method) was used to evaluate the MW-2B drawdown data.

**Key Results of B-zone Constant Rate Test**

- Approximately 13 feet of drawdown was created within the pumping well MW-3B.

- Approximately 1.4 feet of drawdown was measured in monitoring well MW-5B, located 22 feet to the southwest of the pumping well.

- Approximately 0.6 feet of drawdown was measured in MW-1B, located 93 feet to northeast of the pumping well.

- Approximately 0.2 feet of drawdown was measured in MW-2B, located 16 feet north of the pumping well.

- Approximately 1.9 feet of leakance/response was measured in the overburden well MW-3-13, screened in the overlying A-zone till.

- Approximately 0.6 feet of positive response (water level increase) was observed in C-zone well EW-3.

- Transmissivity values calculated for the three B-zone wells using the Neuman Aquifer Test Method are presented below (T values presented in $ft^2$/day) and provided in Enclosure 1.

    - MW-3B (pumping well) = 8.01E-1$ft^2$/day
    - MW-5B (observation well) = 2.11 $ft^2$/day
    - MW-1B (observation well) = 5.94 $ft^2$/day

- Calculated radius of cross gradient capture for each B-zone well is listed below:

    - MW-3B = 40 feet
    - MW-5B = 15 feet
    - MW-1B = 5 feet

- The hydraulic conductivity values calculated for observation well MW-2B using the Fracture Flow Test Method are presented below (K values presented in $ft^2$/day) and provided in Enclosure 1.

    - MW-2B (observation well – Primary Porosity) = 6.60E-02 ft/day
    - MW-2B (observation well – Secondary Porosity) = 4.87E-02 ft/day

- The test data demonstrate that the B-zone aquifer is generally equivalent to a porous media in areas where the upper portion of bedrock is highly fractured and jointed. Where the fractured bedrock is less jointed, the aquifer generally responds as a fracture flow system with a primary and secondary porosity.

**Key Results of Short-Duration C-zone Test**

- During a short duration test conducted on C-zone well MW-3-31, no response was measured in the B-zone wells indicating little to no hydraulic connection between the B and C zones at the test location.

**Planned Extraction Upgrades for Remediation System**

- Based on the pumping test results, four B-zone extraction wells spaced at 20 foot centers are planned for the current remediation area. Figure 4 shows the planned B-zone extraction well locations.

- Listed below are the anticipated well details
  - Depth – 20 – 25 feet bgs
  - Screen length – 10 feet
  - ID – 4”
  - Type - 304 stainless
  - Completion – 3 foot threaded stickup

- Based on the aquifer test results, an extraction rate of 0.3 gpm per B-zone extraction well will is anticipated.

- Based on the results of groundwater samples collected in December 2005 from wells MW-2B, MW-3B, and MW-4B, the estimated total VOC concentration in the extracted groundwater is 40,000 ug/l.

- The new extraction wells will be paired with existing site monitoring wells MW-2B, MW-3B, and MW-5B to monitoring B-zone capture influence and mass removal.

- In addition, the results of borehole geophysical logging completed by Mid-Atlantic Geosciences in January 2006 show that two wide open fractures are present between 51.8 feet and 52.3 feet bgs in existing extraction well EW-1. In order to evaluate groundwater quality in this zone and further evaluate flow and transport in the lower sections of fractured bedrock, packer testing is planned for July 2006. As detailed in the *Aquifer Testing Work Plan*, a straddle packer/pump assembly will be used to isolate the fracture openings from the rest of the borehole. Inflatable packers will be attached to the top and bottom of an electric submersible pump and lowered to the identified fractured interval (pump intake at 52.2 feet bgs). Once in place, the packers will be inflated. This will isolate the fracture area from the rest of the borehole and will allow for pump-out testing of this zone in isolation to evaluate groundwater quality, yield, and possibly response. Following pump-out testing and recharge, groundwater samples will be collected for VOC analysis using EPA Method 8260.

NYSE&G
Substation

MW-7-40
MW-16-100

South Cayuga Street

Drainage Ditch

MW-6B

MW-4B

Groundwater Treatment Building

Foot Bridge

Foot Path

MW-5B
MW-3-31
MW-3-100
EW-2
MW-2
EW-1
MW-3-13
EW-1B
EW-3
MW-3B
P-2
P-1
MW-3-150
MW-2B
MW-1
MW-1B

Parking Area

Aboveground Conveyance Piping

Open Drainage Ditch

EW-4

Fire Water Reservoir

MW-5-25
MW-5-100
MW-5-40

Legend
- Monitoring Well Location
- Extraction Well Location
- Piezometer Location
- Aquifer Test Observation Well Location
- Aquifer Test Pumping Well Location

N

0 30'
Scale in Feet

EPT
Main Plant
Building

Figure 1
Aquifer Test Well Locations
EPT Facility
Ithaca, New York

.12491250.DWG

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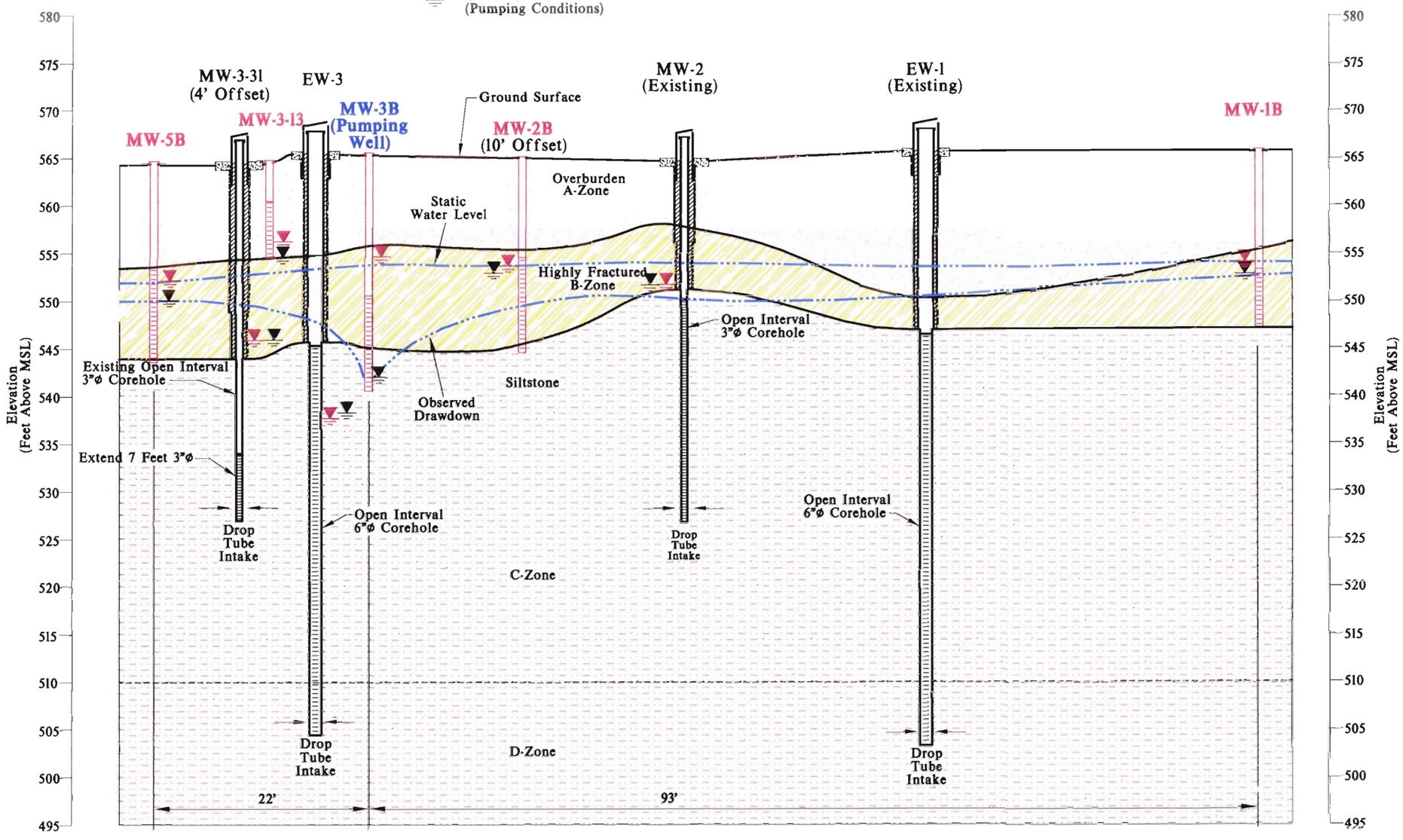


Notes: A-Zone (Overburden) Ranges Between 8-12 Feet in Thickness
B-Zone (Highly Fracture Stress Relief Zone) Extends to a Maximum Depth of 22 Feet bgs
C-Zone (Transition Zone) Extends to Approximately 70 Feet bgs

Maximum Drawdown Observed During MW-3B Constant Rate Pumping Test

Constant Rate Test Observations

| Well | Maximum Observed Drawdown | Distance From Extraction Well |
|---|---|---|
| MW-3B | 12.8' | Pumping Well |
| MW-1B | 0.6' | 93' |
| MW-5B | 1.4' | 22' |

0 12'
Scale in Feet

Figure 2
Geologic Cross-Section & Pumping Test Observations
EPT Facility
Ithaca, New York

12749152B.DWG


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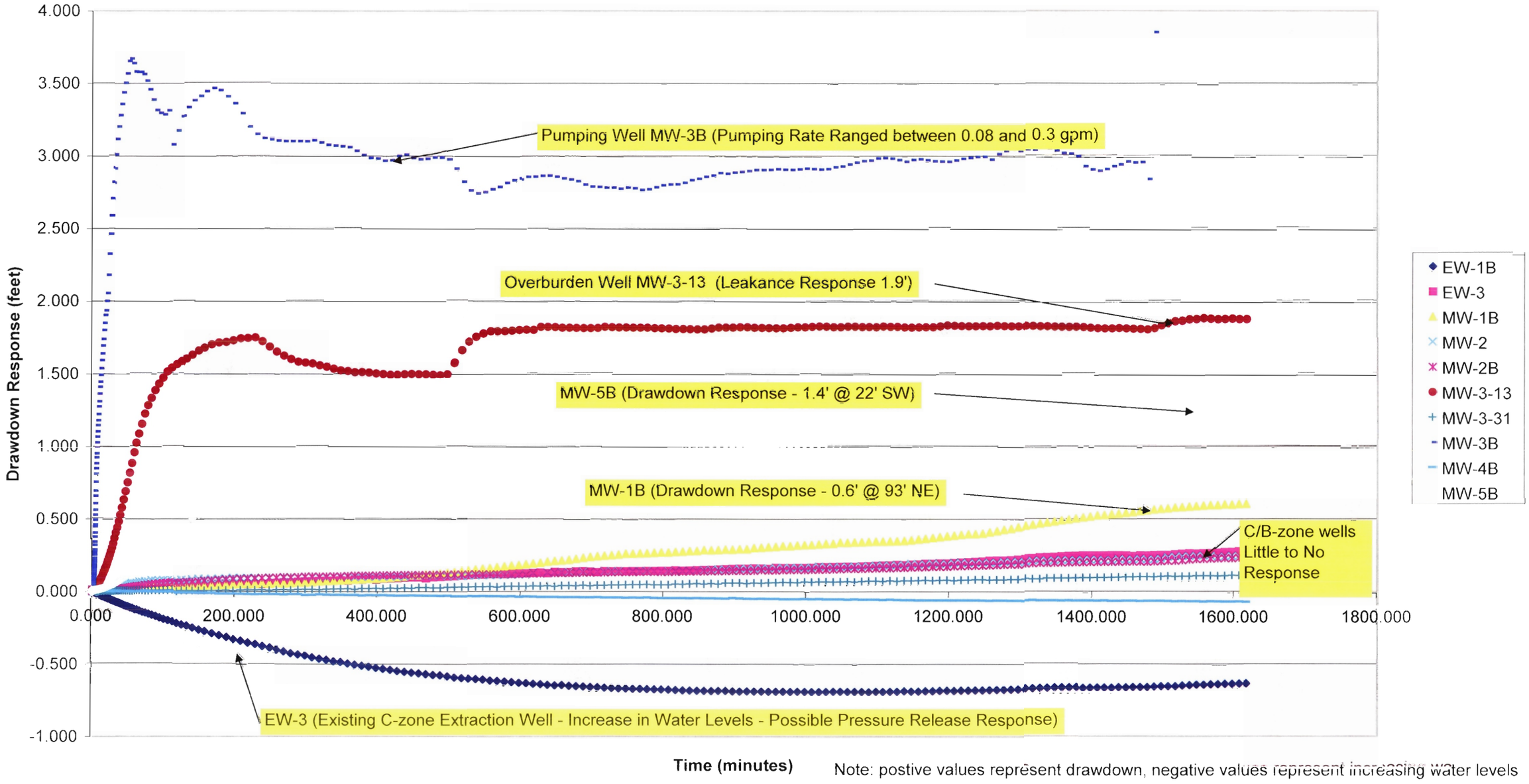
## Figure 3 - Constant Rate Test- MW-3B (Drawdawn Response)




Note: postive values represent drawdown, negative values represent increasing water levels

NYSE&G
Substation

South Cayuga Street

Drainage Ditch

MW-6B

MW-4B

Groundwater Treatment Building

Foot Bridge

Foot Path

MW-5B

MW-3-31

EW-3

MW-3B

MW-2

EW-1

MW-2B

MW-1B

Parking Area

Parking Area

Aboveground Conveyance Piping

Open Drainage Ditch

EW-4

Fire Water Reservoir

EPT
Main Plant
Building

Legend
- Monitoring Well Location
- Extraction Well Location
- Proposed B-Zone Extraction Well Location

N

0 40'

Scale in Feet

Figure 4
Proposed B-Zone Extraction Well Locations
EPT Facility
Ithaca, New York

127491254.DWG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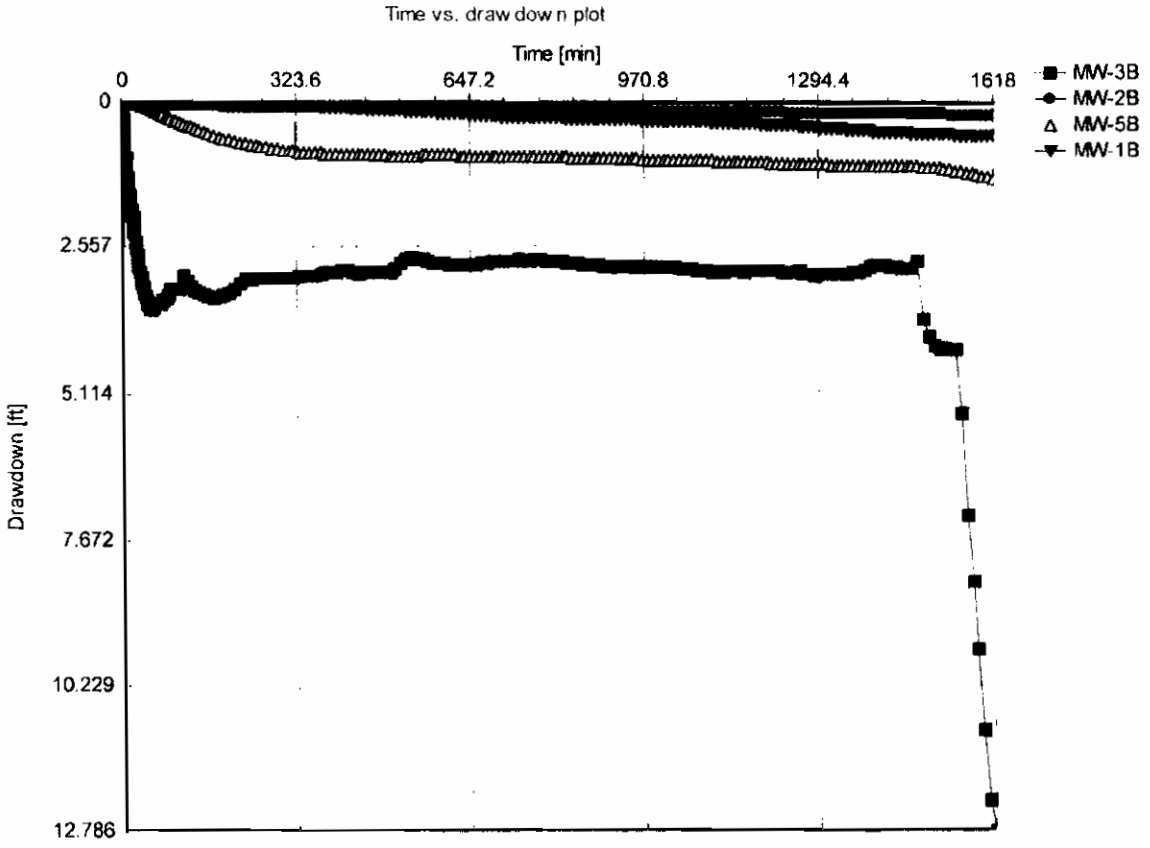
Enclosure A- Aquifer Test Results

**Waterloo Hydrogeologic, Inc.**
180 Columbia St. Unit 1104
Waterloo, Ontario, Canada
Phone: +1 519 746 1798

**Pumping test analysis**
No: 127491
Project: EPT
Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

| | | | |
|---|---|---|---|
| Test performed by: | sph & rej | Evaluated by: | sph & rej |
| Test date: | 5/16/2006 | Evaluation date: | 5/17/2006 |
| Analysis method: | Time vs. drawdown plot | Aquifer thickness: | 10 [ft] |
| | | Discharge rate: | 0.085 [U.S. gal/min] |




Best response observed in MW-5B located 22 feet SW of pumping well. Good response also observed in
MW-1B located 93 feet NE. Some response observed in MW-2B located 18 feet NE.

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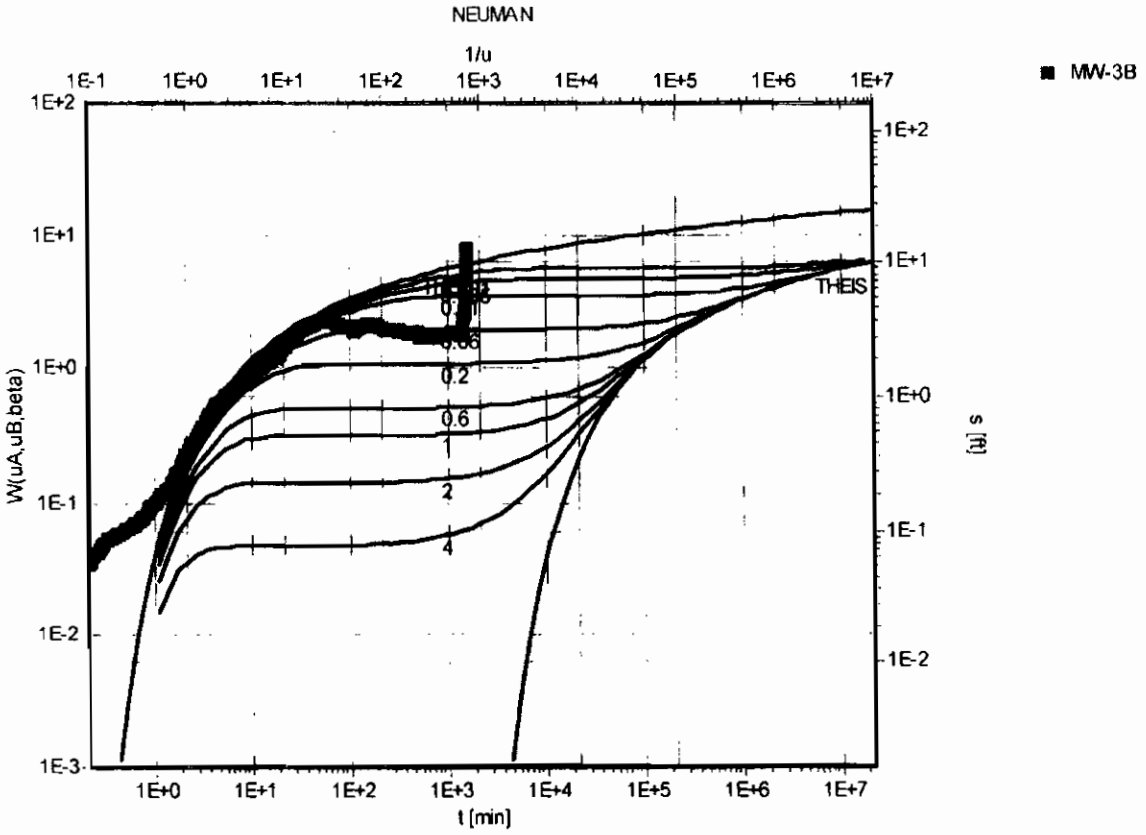
**Pumping test analysis**

No: 127491
Project: EPT
Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed by: sph & rej
Test date: 5/16/2006
Analysis method: NEUMAN

Evaluated by:
Evaluation date: 5/16/2006
Aquifer thickness: 10 [ft]
Discharge rate: 0.085 [U.S. gal/min]




Transmissivity: 8.01×10^-1 [ft²/d]

Conductivity: 8.01×10^-2 [ft/d]

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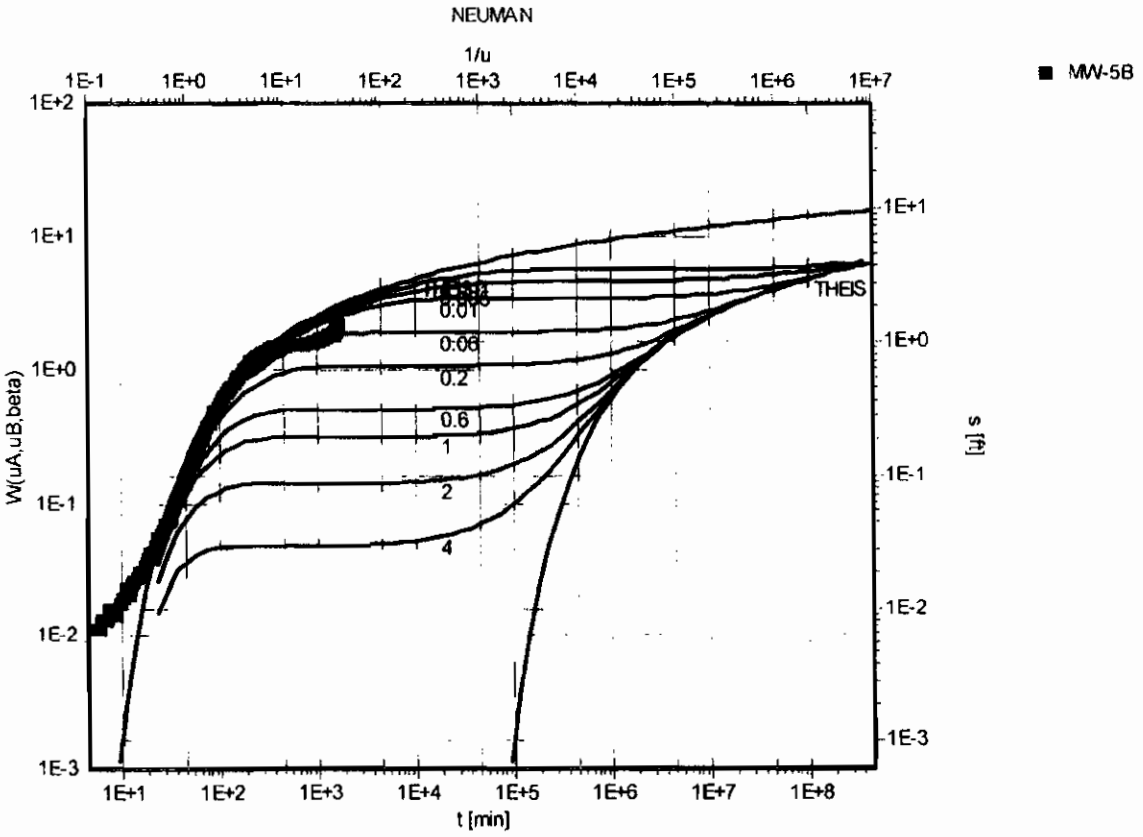
**Pumping test analysis**

No: 127491
Project: EPT
Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed by: sph & rej
Test date: 5/16/2006
Analysis method: NEUMAN

Evaluated by: sph & rej
Evaluation date: 5/17/2006
Aquifer thickness: 10 [ft]
Discharge rate: 0.085 [U.S. gal/min]




Transmissivity: 2.11×10^+0 [ft²/d]

Conductivity: 2.11×10^-1 [ft/d]

Observation Well MW-5B 22 feet sw of pumping well

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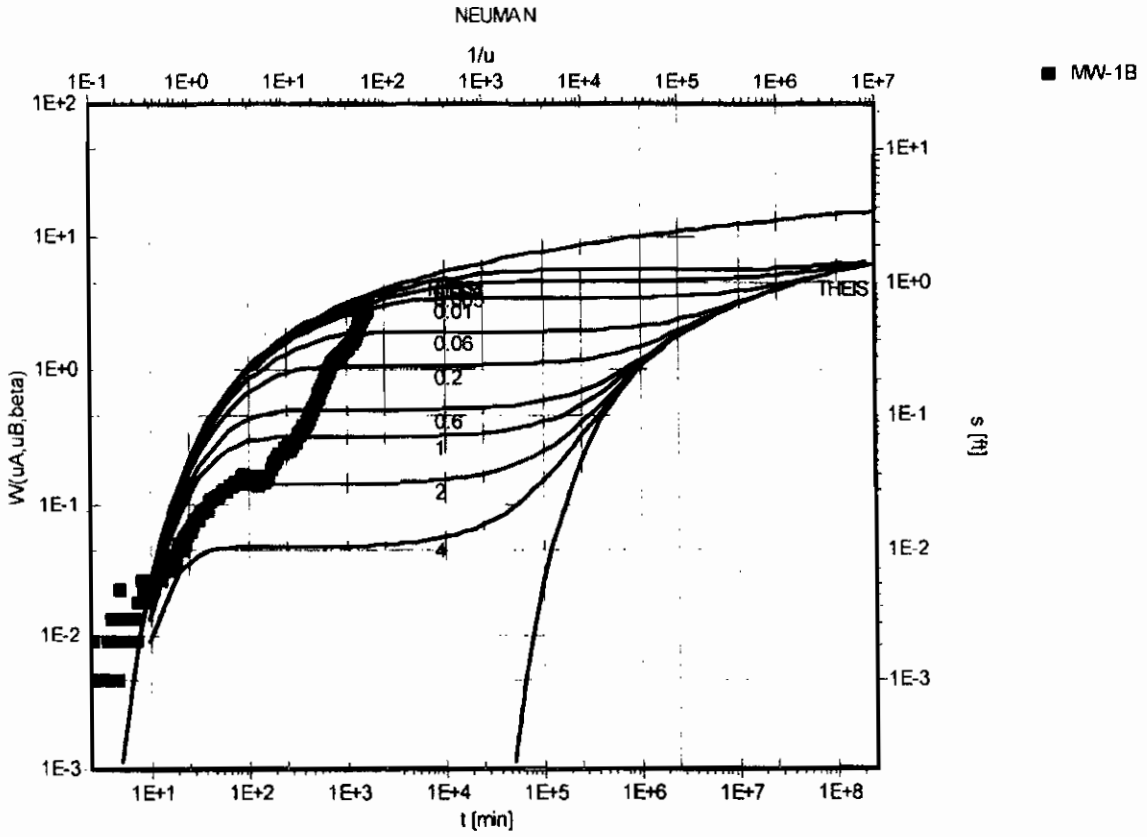
Phone: +1 519 746 1798

**Pumping test analysis**

No: 127491
Project: EPT
Client: Emerson

| | | |
|---|---|---|
| Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B |
| Test performed by: sph & rej | Evaluated by: sph & REJ | |
| Test date: 5/16/2006 | Evaluation date: 5/17/2006 | |
| Analysis method: NEUMAN | Aquifer thickness: 10 [ft] | |
| | Discharge rate: 0.085 [U.S. gal/min] | |

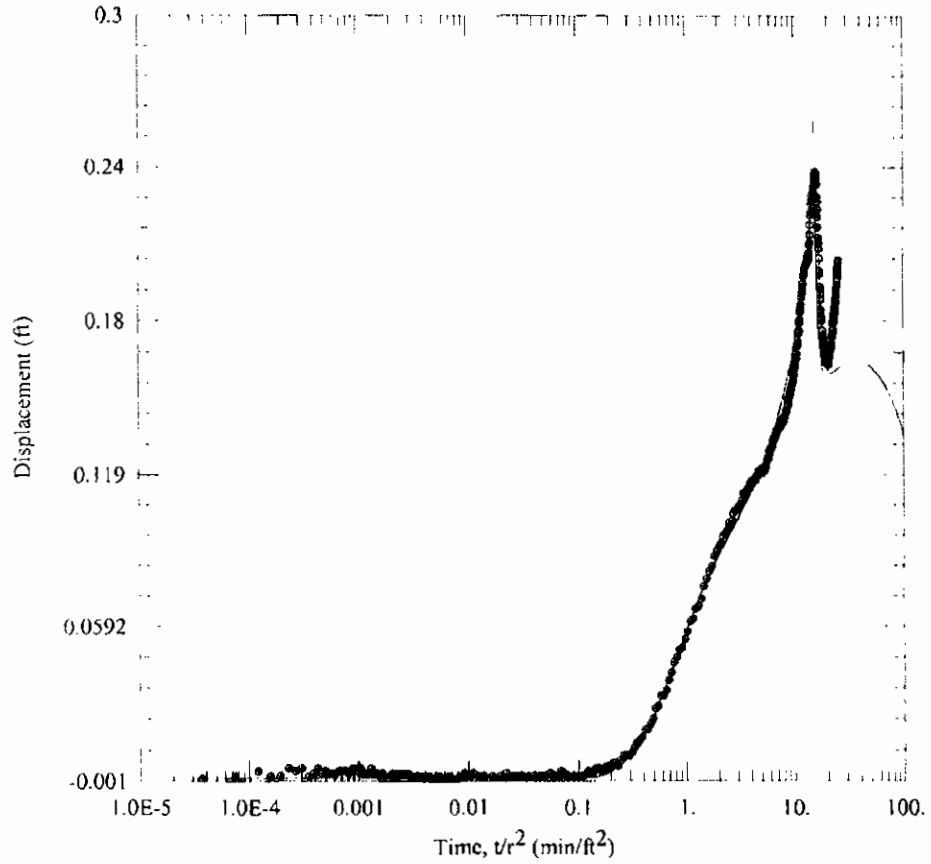



Transmissivity: 5.94×10^+0 [ft²/d]

Conductivity: 5.94×10^-1 [ft/d]

# MW-3B Constant-Rate Pump Test

| | |
|---|---|
| Environmental Strategies Cons | Emerson Power Transmission |
| 127491 | Ithaca, NY |




## SOLUTION

Aquifer Model: Fractured
Solution Method: Moench w/slab blocks

| | | | |
|---|---|---|---|
| K | 0.06596 ft/day | Ss | 7.698E-5 ft$^{-1}$ |
| K' | 0.04865 ft/day | Ss' | 0.007222 ft$^{-1}$ |
| Sw | 0. | Sf | 7.838 |

## AQUIFER DATA

Saturated Thickness: 10. ft  Slab Block Thickness: 2. ft

## WELL DATA

Pumping Wells

| Well Name | X (ft) | Y (ft) |
|---|---|---|
| MW-3B | 8914.7724 | 9307.2569 |

Observation Wells

| Well Name | X (ft) | Y (ft) |
|---|---|---|
| + MW-2B | 8923.0347 | 9313.5955 |
| ○ MW-2B Corr | 8923.0347 | 9313.5955 |

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Phone: +1 519 746

**Data**

Project: EPT

No: 127491 | Page 1

Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed sph & rej
5/16/2006

Data observed at: MW-3B Depth to static WL: 0 [ft]

Distance from pumping well: 0 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 1 | 0 | 0.00 | 0.00 | |
| 2 | 0.00 | 0.00 | 0.00 | |
| 3 | 0.01 | 0.00 | 0.00 | |
| 4 | 0.01 | 0.00 | 0.00 | |
| 5 | 0.02 | 0.00 | 0.00 | |
| 6 | 0.02 | 0.00 | 0.00 | |
| 7 | 0.03 | 0.00 | 0.00 | |
| 8 | 0.03 | 0.00 | 0.00 | |
| 9 | 0.03 | 0.00 | 0.00 | |
| 10 | 0.04 | 0.00 | 0.00 | |
| 11 | 0.04 | 0.00 | 0.00 | |
| 12 | 0.05 | 0.00 | 0.00 | |
| 13 | 0.05 | 0.00 | 0.00 | |
| 14 | 0.05 | 0.00 | 0.00 | |
| 15 | 0.06 | 0.01 | 0.01 | |
| 16 | 0.06 | 0.01 | 0.01 | |
| 17 | 0.07 | 0.01 | 0.01 | |
| 18 | 0.07 | 0.01 | 0.01 | |
| 19 | 0.08 | 0.02 | 0.02 | |
| 20 | 0.08 | 0.01 | 0.01 | |
| 21 | 0.08 | 0.02 | 0.02 | |
| 22 | 0.09 | 0.02 | 0.02 | |
| 23 | 0.09 | 0.02 | 0.02 | |
| 24 | 0.1 | 0.02 | 0.02 | |
| 25 | 0.1 | 0.02 | 0.02 | |
| 26 | 0.11 | 0.03 | 0.03 | |
| 27 | 0.11 | 0.03 | 0.03 | |
| 28 | 0.12 | 0.03 | 0.03 | |
| 29 | 0.13 | 0.03 | 0.03 | |
| 30 | 0.13 | 0.03 | 0.03 | |
| 31 | 0.14 | 0.03 | 0.03 | |
| 32 | 0.15 | 0.03 | 0.03 | |
| 33 | 0.16 | 0.04 | 0.04 | |
| 34 | 0.17 | 0.04 | 0.04 | |
| 35 | 0.18 | 0.05 | 0.05 | |

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Phone: +1 519 746

**Data**

Project: EPT

No: 127491 | Page 2

Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed: sph & rej
5/16/2006

Data observed at: MW-3B | Depth to static WL: 0 [ft]

Distance from pumping well: 0 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 36 | 0.19 | 0.05 | 0.05 | |
| 37 | 0.22 | 0.05 | 0.05 | |
| 38 | 0.22 | 0.06 | 0.06 | |
| 39 | 0.22 | 0.06 | 0.06 | |
| 40 | 0.24 | 0.07 | 0.07 | |
| 41 | 0.25 | 0.07 | 0.07 | |
| 42 | 0.27 | 0.07 | 0.07 | |
| 43 | 0.28 | 0.08 | 0.08 | |
| 44 | 0.3 | 0.08 | 0.08 | |
| 45 | 0.32 | 0.08 | 0.08 | |
| 46 | 0.34 | 0.09 | 0.09 | |
| 47 | 0.36 | 0.09 | 0.09 | |
| 48 | 0.38 | 0.09 | 0.09 | |
| 49 | 0.4 | 0.09 | 0.09 | |
| 50 | 0.42 | 0.10 | 0.10 | |
| 51 | 0.45 | 0.10 | 0.10 | |
| 52 | 0.47 | 0.10 | 0.10 | |
| 53 | 0.5 | 0.10 | 0.10 | |
| 54 | 0.53 | 0.11 | 0.11 | |
| 55 | 0.56 | 0.11 | 0.11 | |
| 56 | 0.6 | 0.11 | 0.11 | |
| 57 | 0.63 | 0.11 | 0.11 | |
| 58 | 0.67 | 0.12 | 0.12 | |
| 59 | 0.71 | 0.12 | 0.12 | |
| 60 | 0.75 | 0.12 | 0.12 | |
| 61 | 0.79 | 0.13 | 0.13 | |
| 62 | 0.84 | 0.14 | 0.14 | |
| 63 | 0.89 | 0.15 | 0.15 | |
| 64 | 0.94 | 0.16 | 0.16 | |
| 65 | 1 | 0.16 | 0.16 | |
| 66 | 1.06 | 0.17 | 0.17 | |
| 67 | 1.12 | 0.18 | 0.18 | |
| 68 | 1.19 | 0.19 | 0.19 | |
| 69 | 1.26 | 0.19 | 0.19 | |
| 70 | 1.33 | 0.21 | 0.21 | |

**Waterloo Hydrogeologic, Inc.**
180 Columbia St. Unit 1104
Waterloo, Ontario,
Phone: +1 519 746

**Data**

Project: EPT

No: 127491 | Page 3

Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed sph & rej
5/16/2006

Data observed at: MW-3B | Depth to static WL: 0 [ft]

Distance from pumping well: 0 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 71 | 1.41 | 0.21 | 0.21 | |
| 72 | 1.5 | 0.23 | 0.23 | |
| 73 | 1.58 | 0.25 | 0.25 | |
| 74 | 1.68 | 0.27 | 0.27 | |
| 75 | 1.78 | 0.28 | 0.28 | |
| 76 | 1.88 | 0.32 | 0.32 | |
| 77 | 1.99 | 0.34 | 0.34 | |
| 78 | 2.11 | 0.37 | 0.37 | |
| 79 | 2.24 | 0.40 | 0.40 | |
| 80 | 2.37 | 0.44 | 0.44 | |
| 81 | 2.51 | 0.46 | 0.46 | |
| 82 | 2.66 | 0.49 | 0.49 | |
| 83 | 2.82 | 0.53 | 0.53 | |
| 84 | 2.98 | 0.56 | 0.56 | |
| 85 | 3.16 | 0.60 | 0.60 | |
| 86 | 3.35 | 0.66 | 0.66 | |
| 87 | 3.55 | 0.69 | 0.69 | |
| 88 | 3.76 | 0.75 | 0.75 | |
| 89 | 3.98 | 0.81 | 0.81 | |
| 90 | 4.22 | 0.84 | 0.84 | |
| 91 | 4.47 | 0.88 | 0.88 | |
| 92 | 4.73 | 0.92 | 0.92 | |
| 93 | 5.01 | 0.95 | 0.95 | |
| 94 | 5.31 | 0.99 | 0.99 | |
| 95 | 5.62 | 1.03 | 1.03 | |
| 96 | 5.96 | 1.07 | 1.07 | |
| 97 | 6.31 | 1.10 | 1.10 | |
| 98 | 6.68 | 1.15 | 1.15 | |
| 99 | 7.08 | 1.18 | 1.18 | |
| 100 | 7.5 | 1.22 | 1.22 | |
| 101 | 7.94 | 1.27 | 1.27 | |
| 102 | 8.41 | 1.31 | 1.31 | |
| 103 | 8.91 | 1.36 | 1.36 | |
| 104 | 9.44 | 1.41 | 1.41 | |
| 105 | 10 | 1.45 | 1.45 | |

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180 Columbia St. Unit 1104
Waterloo, Ontario,
Phone: +1 519 746

**Data**

Project: EPT

No: 127491 | Page 4

Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed sph & rej
5/16/2006

Data observed at: MW-3B | Depth to static WL: 0 [ft]

Distance from pumping well: 0 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 106 | 10.6 | 1.49 | 1.49 | |
| 107 | 11.2 | 1.54 | 1.54 | |
| 108 | 11.9 | 1.59 | 1.59 | |
| 109 | 12.6 | 1.64 | 1.64 | |
| 110 | 13.3 | 1.69 | 1.69 | |
| 111 | 14.1 | 1.74 | 1.74 | |
| 112 | 15 | 1.80 | 1.80 | |
| 113 | 15.8 | 1.85 | 1.85 | |
| 114 | 16.8 | 1.91 | 1.91 | |
| 115 | 17.8 | 1.94 | 1.94 | |
| 116 | 18.8 | 2.00 | 2.00 | |
| 117 | 19.9 | 2.06 | 2.06 | |
| 118 | 21.1 | 2.18 | 2.18 | |
| 119 | 22.4 | 2.33 | 2.33 | |
| 120 | 23.7 | 2.46 | 2.46 | |
| 121 | 25.1 | 2.59 | 2.59 | |
| 122 | 26.6 | 2.71 | 2.71 | |
| 123 | 28.2 | 2.82 | 2.82 | |
| 124 | 29.8 | 2.92 | 2.92 | |
| 125 | 31.6 | 3.01 | 3.01 | |
| 126 | 33.5 | 3.12 | 3.12 | |
| 127 | 35.5 | 3.20 | 3.20 | |
| 128 | 37.6 | 3.28 | 3.28 | |
| 129 | 39.8 | 3.36 | 3.36 | |
| 130 | 42.2 | 3.44 | 3.44 | |
| 131 | 44.7 | 3.50 | 3.50 | |
| 132 | 47.3 | 3.57 | 3.57 | |
| 133 | 50.1 | 3.65 | 3.65 | |
| 134 | 53.1 | 3.67 | 3.67 | |
| 135 | 56.2 | 3.64 | 3.64 | |
| 136 | 59.6 | 3.58 | 3.58 | |
| 137 | 63.1 | 3.58 | 3.58 | |
| 138 | 66.8 | 3.58 | 3.58 | |
| 139 | 70.8 | 3.57 | 3.57 | |
| 140 | 75 | 3.52 | 3.52 | |

**Waterloo Hydrogeologic, Inc.**
180 Columbia St. Unit 1104
Waterloo, Ontario,
Phone: +1 519 746

**Data**

Project: EPT

No: 127491 | Page 5

Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed sph & rej
5/16/2006

Data observed at: MW-3B | Depth to static WL: 0 [ft]

Distance from pumping well: 0 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 141 | 79.4 | 3.46 | 3.46 | |
| 142 | 84.1 | 3.39 | 3.39 | |
| 143 | 89.1 | 3.32 | 3.32 | |
| 144 | 94.4 | 3.30 | 3.30 | |
| 145 | 100 | 3.29 | 3.29 | |
| 146 | 106 | 3.31 | 3.31 | |
| 147 | 112 | 3.08 | 3.08 | |
| 148 | 119 | 3.17 | 3.17 | |
| 149 | 126 | 3.27 | 3.27 | |
| 150 | 133 | 3.33 | 3.33 | |
| 151 | 141 | 3.38 | 3.38 | |
| 152 | 150 | 3.41 | 3.41 | |
| 153 | 158 | 3.44 | 3.44 | |
| 154 | 168 | 3.46 | 3.46 | |
| 155 | 178 | 3.45 | 3.45 | |
| 156 | 188 | 3.40 | 3.40 | |
| 157 | 198 | 3.36 | 3.36 | |
| 158 | 208 | 3.29 | 3.29 | |
| 159 | 218 | 3.20 | 3.20 | |
| 160 | 228 | 3.15 | 3.15 | |
| 161 | 238 | 3.12 | 3.12 | |
| 162 | 248 | 3.12 | 3.12 | |
| 163 | 258 | 3.11 | 3.11 | |
| 164 | 268 | 3.10 | 3.10 | |
| 165 | 278 | 3.11 | 3.11 | |
| 166 | 288 | 3.10 | 3.10 | |
| 167 | 298 | 3.10 | 3.10 | |
| 168 | 308 | 3.11 | 3.11 | |
| 169 | 318 | 3.10 | 3.10 | |
| 170 | 328 | 3.08 | 3.08 | |
| 171 | 338 | 3.08 | 3.08 | |
| 172 | 348 | 3.08 | 3.08 | |
| 173 | 358 | 3.07 | 3.07 | |
| 174 | 368 | 3.05 | 3.05 | |
| 175 | 378 | 3.02 | 3.02 | |

**Waterloo Hydrogeologic, Inc.**
180 Columbia St. Unit 1104
Waterloo, Ontario,
Phone: +1 519 746

**Data**

Project: EPT

No: 127491 | Page 6

Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed: sph & rej
5/16/2006

Data observed at: MW-3B | Depth to static WL: 0 [ft]

Distance from pumping well: 0 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 176 | 388 | 3.00 | 3.00 | |
| 177 | 398 | 3.00 | 3.00 | |
| 178 | 408 | 2.98 | 2.98 | |
| 179 | 418 | 2.99 | 2.99 | |
| 180 | 428 | 3.02 | 3.02 | |
| 181 | 438 | 3.03 | 3.03 | |
| 182 | 448 | 3.00 | 3.00 | |
| 183 | 458 | 3.00 | 3.00 | |
| 184 | 468 | 3.00 | 3.00 | |
| 185 | 478 | 3.01 | 3.01 | |
| 186 | 488 | 3.01 | 3.01 | |
| 187 | 498 | 3.00 | 3.00 | |
| 188 | 508 | 2.92 | 2.92 | |
| 189 | 518 | 2.84 | 2.84 | |
| 190 | 528 | 2.77 | 2.77 | |
| 191 | 538 | 2.75 | 2.75 | |
| 192 | 548 | 2.77 | 2.77 | |
| 193 | 558 | 2.78 | 2.78 | |
| 194 | 568 | 2.80 | 2.80 | |
| 195 | 578 | 2.83 | 2.83 | |
| 196 | 588 | 2.84 | 2.84 | |
| 197 | 598 | 2.85 | 2.85 | |
| 198 | 608 | 2.87 | 2.87 | |
| 199 | 618 | 2.87 | 2.87 | |
| 200 | 628 | 2.88 | 2.88 | |
| 201 | 638 | 2.88 | 2.88 | |
| 202 | 648 | 2.87 | 2.87 | |
| 203 | 658 | 2.86 | 2.86 | |
| 204 | 668 | 2.86 | 2.86 | |
| 205 | 678 | 2.84 | 2.84 | |
| 206 | 688 | 2.82 | 2.82 | |
| 207 | 698 | 2.81 | 2.81 | |
| 208 | 708 | 2.80 | 2.80 | |
| 209 | 718 | 2.80 | 2.80 | |
| 210 | 728 | 2.80 | 2.80 | |

**Waterloo Hydrogeologic, Inc.**
180 Columbia St. Unit 1104
Waterloo, Ontario,
Phone: +1 519 746

**Data**

Project: EPT

No: 127491 | Page 7

Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed sph & rej
5/16/2006

Data observed at: MW-3B | Depth to static WL: 0 [ft]

Distance from pumping well: 0 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 211 | 738 | 2.79 | 2.79 | |
| 212 | 748 | 2.79 | 2.79 | |
| 213 | 758 | 2.79 | 2.79 | |
| 214 | 768 | 2.78 | 2.78 | |
| 215 | 778 | 2.78 | 2.78 | |
| 216 | 788 | 2.80 | 2.80 | |
| 217 | 798 | 2.81 | 2.81 | |
| 218 | 808 | 2.82 | 2.82 | |
| 219 | 818 | 2.82 | 2.82 | |
| 220 | 828 | 2.83 | 2.83 | |
| 221 | 838 | 2.85 | 2.85 | |
| 222 | 848 | 2.85 | 2.85 | |
| 223 | 858 | 2.86 | 2.86 | |
| 224 | 868 | 2.87 | 2.87 | |
| 225 | 878 | 2.89 | 2.89 | |
| 226 | 888 | 2.88 | 2.88 | |
| 227 | 898 | 2.89 | 2.89 | |
| 228 | 908 | 2.90 | 2.90 | |
| 229 | 918 | 2.90 | 2.90 | |
| 230 | 928 | 2.91 | 2.91 | |
| 231 | 938 | 2.91 | 2.91 | |
| 232 | 948 | 2.91 | 2.91 | |
| 233 | 958 | 2.91 | 2.91 | |
| 234 | 968 | 2.91 | 2.91 | |
| 235 | 978 | 2.91 | 2.91 | |
| 236 | 988 | 2.91 | 2.91 | |
| 237 | 998 | 2.92 | 2.92 | |
| 238 | 1008 | 2.92 | 2.92 | |
| 239 | 1018 | 2.91 | 2.91 | |
| 240 | 1028 | 2.92 | 2.92 | |
| 241 | 1038 | 2.93 | 2.93 | |
| 242 | 1048 | 2.94 | 2.94 | |
| 243 | 1058 | 2.95 | 2.95 | |
| 244 | 1068 | 2.96 | 2.96 | |
| 245 | 1078 | 2.97 | 2.97 | |

**Waterloo Hydrogeologic, Inc.**
180 Columbia St. Unit 1104
Waterloo, Ontario,
Phone: +1 519 746



Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed sph & rej
5/16/2006

Data observed at: MW-3B | Depth to static WL: 0 [ft]

Distance from pumping well: 0 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 246 | 1088 | 2.98 | 2.98 | |
| 247 | 1098 | 2.99 | 2.99 | |
| 248 | 1108 | 3.00 | 3.00 | |
| 249 | 1118 | 2.99 | 2.99 | |
| 250 | 1128 | 2.98 | 2.98 | |
| 251 | 1138 | 2.97 | 2.97 | |
| 252 | 1148 | 2.99 | 2.99 | |
| 253 | 1158 | 2.99 | 2.99 | |
| 254 | 1168 | 2.99 | 2.99 | |
| 255 | 1178 | 2.98 | 2.98 | |
| 256 | 1188 | 2.98 | 2.98 | |
| 257 | 1198 | 2.98 | 2.98 | |
| 258 | 1208 | 2.98 | 2.98 | |
| 259 | 1218 | 2.99 | 2.99 | |
| 260 | 1228 | 3.00 | 3.00 | |
| 261 | 1238 | 3.01 | 3.01 | |
| 262 | 1248 | 3.01 | 3.01 | |
| 263 | 1258 | 2.99 | 2.99 | |
| 264 | 1268 | 3.02 | 3.02 | |
| 265 | 1278 | 3.05 | 3.05 | |
| 266 | 1288 | 3.07 | 3.07 | |
| 267 | 1298 | 3.05 | 3.05 | |
| 268 | 1308 | 3.05 | 3.05 | |
| 269 | 1318 | 3.04 | 3.04 | |
| 270 | 1328 | 3.05 | 3.05 | |
| 271 | 1338 | 3.05 | 3.05 | |
| 272 | 1348 | 3.03 | 3.03 | |
| 273 | 1358 | 3.01 | 3.01 | |
| 274 | 1368 | 3.01 | 3.01 | |
| 275 | 1378 | 2.99 | 2.99 | |
| 276 | 1388 | 2.91 | 2.91 | |
| 277 | 1398 | 2.89 | 2.89 | |
| 278 | 1408 | 2.88 | 2.88 | |
| 279 | 1418 | 2.89 | 2.89 | |
| 280 | 1428 | 2.91 | 2.91 | |

**Waterloo Hydrogeologic, Inc.**
180 Columbia St. Unit 1104
Waterloo, Ontario,
Phone: +1 519 746

**Data**

Project: EPT

No: 127491 | Page 9

Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed sph & rej
5/16/2006

Data observed at: MW-3B Depth to static WL: 0 [ft]

Distance from pumping well: 0 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 281 | 1438 | 2.92 | 2.92 | |
| 282 | 1448 | 2.94 | 2.94 | |
| 283 | 1458 | 2.93 | 2.93 | |
| 284 | 1468 | 2.93 | 2.93 | |
| 285 | 1478 | 2.81 | 2.81 | |
| 286 | 1488 | 3.83 | 3.83 | |
| 287 | 1498 | 4.13 | 4.13 | |
| 288 | 1508 | 4.29 | 4.29 | |
| 289 | 1518 | 4.35 | 4.35 | |
| 290 | 1528 | 4.34 | 4.34 | |
| 291 | 1538 | 4.37 | 4.37 | |
| 292 | 1548 | 4.37 | 4.37 | |
| 293 | 1558 | 5.46 | 5.46 | |
| 294 | 1568 | 7.25 | 7.25 | |
| 295 | 1578 | 8.40 | 8.40 | |
| 296 | 1588 | 9.63 | 9.63 | |
| 297 | 1598 | 11.02 | 11.02 | |
| 298 | 1608 | 12.26 | 12.26 | |
| 299 | 1618 | 12.79 | 12.79 | |

**Waterloo Hydrogeologic, Inc.**
180 Columbia St. Unit 1104
Waterloo, Ontario,
Phone: +1 519 746

**Data**

Project: EPT

No: 127491 | Page 1

Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed sph & rej
5/16/2006

Data observed at: MW-2B Depth to static WL: 0 [ft]

Distance from pumping well: 18 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] |
|---|---|---|---|
| 1 | 0 | 0.00 | 0.00 |
| 2 | 0.00 | 0.00 | 0.00 |
| 3 | 0.01 | 0.00 | 0.00 |
| 4 | 0.01 | 0.00 | 0.00 |
| 5 | 0.02 | 0.00 | 0.00 |
| 6 | 0.02 | 0.00 | 0.00 |
| 7 | 0.03 | 0.00 | 0.00 |
| 8 | 0.03 | 0.00 | 0.00 |
| 9 | 0.03 | 0.00 | 0.00 |
| 10 | 0.04 | 0.00 | 0.00 |
| 11 | 0.04 | 0.00 | 0.00 |
| 12 | 0.05 | 0.00 | 0.00 |
| 13 | 0.05 | 0.00 | 0.00 |
| 14 | 0.05 | 0.00 | 0.00 |
| 15 | 0.06 | 0.00 | 0.00 |
| 16 | 0.06 | 0.00 | 0.00 |
| 17 | 0.07 | 0.00 | 0.00 |
| 18 | 0.07 | 0.00 | 0.00 |
| 19 | 0.08 | 0.00 | 0.00 |
| 20 | 0.08 | 0.00 | 0.00 |
| 21 | 0.08 | 0.00 | 0.00 |
| 22 | 0.09 | 0.00 | 0.00 |
| 23 | 0.09 | 0.00 | 0.00 |
| 24 | 0.1 | 0.00 | 0.00 |
| 25 | 0.1 | 0.00 | 0.00 |
| 26 | 0.11 | 0.00 | 0.00 |
| 27 | 0.11 | 0.00 | 0.00 |
| 28 | 0.12 | 0.00 | 0.00 |
| 29 | 0.13 | 0.00 | 0.00 |
| 30 | 0.13 | 0.00 | 0.00 |
| 31 | 0.14 | 0.00 | 0.00 |
| 32 | 0.15 | 0.00 | 0.00 |
| 33 | 0.16 | 0.00 | 0.00 |
| 34 | 0.17 | 0.00 | 0.00 |
| 35 | 0.18 | 0.00 | 0.00 |

**Waterloo Hydrogeologic, Inc.**
180 Columbia St. Unit 1104
Waterloo, Ontario,
Phone: +1 519 746

**Data**

Project: EPT

No: 127491 | Page 2

Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed sph & rej
5/16/2006

Data observed at: MW-2B | Depth to static WL: 0 [ft]

Distance from pumping well: 18 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] |
|---|---|---|---|
| 36 | 0.19 | 0.00 | 0.00 |
| 37 | 0.22 | 0.00 | 0.00 |
| 38 | 0.22 | 0.00 | 0.00 |
| 39 | 0.22 | 0.00 | 0.00 |
| 40 | 0.24 | 0.00 | 0.00 |
| 41 | 0.25 | 0.00 | 0.00 |
| 42 | 0.27 | 0.00 | 0.00 |
| 43 | 0.28 | 0.00 | 0.00 |
| 44 | 0.3 | 0.00 | 0.00 |
| 45 | 0.32 | 0.00 | 0.00 |
| 46 | 0.34 | 0.00 | 0.00 |
| 47 | 0.36 | 0.00 | 0.00 |
| 48 | 0.38 | 0.00 | 0.00 |
| 49 | 0.4 | 0.00 | 0.00 |
| 50 | 0.42 | 0.00 | 0.00 |
| 51 | 0.45 | 0.00 | 0.00 |
| 52 | 0.47 | 0.00 | 0.00 |
| 53 | 0.5 | 0.00 | 0.00 |
| 54 | 0.53 | 0.00 | 0.00 |
| 55 | 0.56 | 0.00 | 0.00 |
| 56 | 0.6 | 0.00 | 0.00 |
| 57 | 0.63 | 0.00 | 0.00 |
| 58 | 0.67 | 0.00 | 0.00 |
| 59 | 0.71 | 0.00 | 0.00 |
| 60 | 0.75 | 0.00 | 0.00 |
| 61 | 0.79 | 0.00 | 0.00 |
| 62 | 0.84 | 0.00 | 0.00 |
| 63 | 0.89 | 0.00 | 0.00 |
| 64 | 0.94 | 0.00 | 0.00 |
| 65 | 1 | 0.00 | 0.00 |
| 66 | 1.06 | 0.00 | 0.00 |
| 67 | 1.12 | 0.00 | 0.00 |
| 68 | 1.19 | 0.00 | 0.00 |
| 69 | 1.26 | 0.00 | 0.00 |
| 70 | 1.33 | 0.00 | 0.00 |

**Waterloo Hydrogeologic, Inc.**
180 Columbia St. Unit 1104
Waterloo, Ontario,
Phone: +1 519 746

**Data**

Project: EPT

No: 127491 | Page 3

Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed sph & rej
5/16/2006

Data observed at: MW-2B Depth to static WL: 0 [ft]

Distance from pumping well: 18 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 71 | 1.41 | 0.00 | 0.00 | |
| 72 | 1.5 | 0.00 | 0.00 | |
| 73 | 1.58 | 0.00 | 0.00 | |
| 74 | 1.68 | 0.00 | 0.00 | |
| 75 | 1.78 | 0.00 | 0.00 | |
| 76 | 1.88 | 0.00 | 0.00 | |
| 77 | 1.99 | 0.00 | 0.00 | |
| 78 | 2.11 | 0.00 | 0.00 | |
| 79 | 2.24 | 0.00 | 0.00 | |
| 80 | 2.37 | 0.00 | 0.00 | |
| 81 | 2.51 | 0.00 | 0.00 | |
| 82 | 2.66 | 0.00 | 0.00 | |
| 83 | 2.82 | 0.00 | 0.00 | |
| 84 | 2.98 | 0.00 | 0.00 | |
| 85 | 3.16 | 0.00 | 0.00 | |
| 86 | 3.35 | 0.00 | 0.00 | |
| 87 | 3.55 | 0.00 | 0.00 | |
| 88 | 3.76 | 0.00 | 0.00 | |
| 89 | 3.98 | 0.00 | 0.00 | |
| 90 | 4.22 | 0.00 | 0.00 | |
| 91 | 4.47 | 0.00 | 0.00 | |
| 92 | 4.73 | 0.00 | 0.00 | |
| 93 | 5.01 | 0.00 | 0.00 | |
| 94 | 5.31 | 0.00 | 0.00 | |
| 95 | 5.62 | 0.00 | 0.00 | |
| 96 | 5.96 | 0.00 | 0.00 | |
| 97 | 6.31 | 0.00 | 0.00 | |
| 98 | 6.68 | 0.00 | 0.00 | |
| 99 | 7.08 | 0.00 | 0.00 | |
| 100 | 7.5 | 0.00 | 0.00 | |
| 101 | 7.94 | 0.00 | 0.00 | |
| 102 | 8.41 | 0.00 | 0.00 | |
| 103 | 8.91 | 0.00 | 0.00 | |
| 104 | 9.44 | 0.00 | 0.00 | |
| 105 | 10 | 0.00 | 0.00 | |

**Waterloo Hydrogeologic, Inc.**
180 Columbia St. Unit 1104
Waterloo, Ontario,
Phone: +1 519 746

**Data**

Project: EPT

No: 127491 | Page 4

Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed sph & rej
5/16/2006

Data observed at: MW-2B Depth to static WL: 0 [ft]

Distance from pumping well: 18 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 106 | 10.6 | 0.00 | 0.00 | |
| 107 | 11.2 | 0.00 | 0.00 | |
| 108 | 11.9 | 0.00 | 0.00 | |
| 109 | 12.6 | 0.00 | 0.00 | |
| 110 | 13.3 | 0.00 | 0.00 | |
| 111 | 14.1 | 0.00 | 0.00 | |
| 112 | 15 | 0.00 | 0.00 | |
| 113 | 15.8 | 0.00 | 0.00 | |
| 114 | 16.8 | 0.00 | 0.00 | |
| 115 | 17.8 | 0.00 | 0.00 | |
| 116 | 18.8 | 0.00 | 0.00 | |
| 117 | 19.9 | 0.01 | 0.01 | |
| 118 | 21.1 | 0.00 | 0.00 | |
| 119 | 22.4 | 0.01 | 0.01 | |
| 120 | 23.7 | 0.01 | 0.01 | |
| 121 | 25.1 | 0.01 | 0.01 | |
| 122 | 26.6 | 0.01 | 0.01 | |
| 123 | 28.2 | 0.01 | 0.01 | |
| 124 | 29.8 | 0.01 | 0.01 | |
| 125 | 31.6 | 0.01 | 0.01 | |
| 126 | 33.5 | 0.01 | 0.01 | |
| 127 | 35.5 | 0.01 | 0.01 | |
| 128 | 37.6 | 0.01 | 0.01 | |
| 129 | 39.8 | 0.02 | 0.02 | |
| 130 | 42.2 | 0.02 | 0.02 | |
| 131 | 44.7 | 0.02 | 0.02 | |
| 132 | 47.3 | 0.02 | 0.02 | |
| 133 | 50.1 | 0.02 | 0.02 | |
| 134 | 53.1 | 0.02 | 0.02 | |
| 135 | 56.2 | 0.03 | 0.03 | |
| 136 | 59.6 | 0.03 | 0.03 | |
| 137 | 63.1 | 0.03 | 0.03 | |
| 138 | 66.8 | 0.03 | 0.03 | |
| 139 | 70.8 | 0.03 | 0.03 | |
| 140 | 75 | 0.04 | 0.04 | |

**Waterloo Hydrogeologic, Inc.**
180 Columbia St. Unit 1104
Waterloo, Ontario,
Phone: +1 519 746

**Data**

Project: EPT

No: 127491 | Page 5

Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed sph & rej
5/16/2006

Data observed at: MW-2B | Depth to static WL: 0 [ft]

Distance from pumping well: 18 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 141 | 79.4 | 0.04 | 0.04 | |
| 142 | 84.1 | 0.05 | 0.05 | |
| 143 | 89.1 | 0.05 | 0.05 | |
| 144 | 94.4 | 0.05 | 0.05 | |
| 145 | 100 | 0.05 | 0.05 | |
| 146 | 106 | 0.05 | 0.05 | |
| 147 | 112 | 0.06 | 0.06 | |
| 148 | 119 | 0.06 | 0.06 | |
| 149 | 126 | 0.06 | 0.06 | |
| 150 | 133 | 0.07 | 0.07 | |
| 151 | 141 | 0.07 | 0.07 | |
| 152 | 150 | 0.07 | 0.07 | |
| 153 | 158 | 0.08 | 0.08 | |
| 154 | 168 | 0.08 | 0.08 | |
| 155 | 178 | 0.08 | 0.08 | |
| 156 | 188 | 0.08 | 0.08 | |
| 157 | 198 | 0.09 | 0.09 | |
| 158 | 208 | 0.09 | 0.09 | |
| 159 | 218 | 0.09 | 0.09 | |
| 160 | 228 | 0.09 | 0.09 | |
| 161 | 238 | 0.10 | 0.10 | |
| 162 | 248 | 0.10 | 0.10 | |
| 163 | 258 | 0.10 | 0.10 | |
| 164 | 268 | 0.10 | 0.10 | |
| 165 | 278 | 0.10 | 0.10 | |
| 166 | 288 | 0.10 | 0.10 | |
| 167 | 298 | 0.10 | 0.10 | |
| 168 | 308 | 0.11 | 0.11 | |
| 169 | 318 | 0.11 | 0.11 | |
| 170 | 328 | 0.11 | 0.11 | |
| 171 | 338 | 0.11 | 0.11 | |
| 172 | 348 | 0.11 | 0.11 | |
| 173 | 358 | 0.11 | 0.11 | |
| 174 | 368 | 0.11 | 0.11 | |
| 175 | 378 | 0.11 | 0.11 | |

**Waterloo Hydrogeologic, Inc.**
180 Columbia St. Unit 1104
Waterloo, Ontario,
Phone: +1 519 746

**Data**

Project: EPT

No: 127491 | Page 6

Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed sph & rej
5/16/2006

Data observed at: MW-2B Depth to static WL: 0 [ft]

Distance from pumping well: 18 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 176 | 388 | 0.11 | 0.11 | |
| 177 | 398 | 0.11 | 0.11 | |
| 178 | 408 | 0.11 | 0.11 | |
| 179 | 418 | 0.11 | 0.11 | |
| 180 | 428 | 0.12 | 0.12 | |
| 181 | 438 | 0.12 | 0.12 | |
| 182 | 448 | 0.12 | 0.12 | |
| 183 | 458 | 0.12 | 0.12 | |
| 184 | 468 | 0.12 | 0.12 | |
| 185 | 478 | 0.12 | 0.12 | |
| 186 | 488 | 0.12 | 0.12 | |
| 187 | 498 | 0.12 | 0.12 | |
| 188 | 508 | 0.12 | 0.12 | |
| 189 | 518 | 0.12 | 0.12 | |
| 190 | 528 | 0.12 | 0.12 | |
| 191 | 538 | 0.12 | 0.12 | |
| 192 | 548 | 0.12 | 0.12 | |
| 193 | 558 | 0.12 | 0.12 | |
| 194 | 568 | 0.12 | 0.12 | |
| 195 | 578 | 0.12 | 0.12 | |
| 196 | 588 | 0.12 | 0.12 | |
| 197 | 598 | 0.12 | 0.12 | |
| 198 | 608 | 0.13 | 0.13 | |
| 199 | 618 | 0.13 | 0.13 | |
| 200 | 628 | 0.13 | 0.13 | |
| 201 | 638 | 0.13 | 0.13 | |
| 202 | 648 | 0.13 | 0.13 | |
| 203 | 658 | 0.13 | 0.13 | |
| 204 | 668 | 0.13 | 0.13 | |
| 205 | 678 | 0.13 | 0.13 | |
| 206 | 688 | 0.13 | 0.13 | |
| 207 | 698 | 0.13 | 0.13 | |
| 208 | 708 | 0.13 | 0.13 | |
| 209 | 718 | 0.13 | 0.13 | |
| 210 | 728 | 0.14 | 0.14 | |

**Waterloo Hydrogeologic, Inc.**
180 Columbia St. Unit 1104
Waterloo, Ontario,
Phone: +1 519 746

**Data**

Project: EPT

No: 127491 | Page 7

Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed sph & rej
5/16/2006

Data observed at: MW-2B | Depth to static WL: 0 [ft]

Distance from pumping well: 18 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 211 | 738 | 0.14 | 0.14 | |
| 212 | 748 | 0.14 | 0.14 | |
| 213 | 758 | 0.14 | 0.14 | |
| 214 | 768 | 0.14 | 0.14 | |
| 215 | 778 | 0.14 | 0.14 | |
| 216 | 788 | 0.14 | 0.14 | |
| 217 | 798 | 0.14 | 0.14 | |
| 218 | 808 | 0.14 | 0.14 | |
| 219 | 818 | 0.14 | 0.14 | |
| 220 | 828 | 0.14 | 0.14 | |
| 221 | 838 | 0.14 | 0.14 | |
| 222 | 848 | 0.14 | 0.14 | |
| 223 | 858 | 0.14 | 0.14 | |
| 224 | 868 | 0.14 | 0.14 | |
| 225 | 878 | 0.14 | 0.14 | |
| 226 | 888 | 0.14 | 0.14 | |
| 227 | 898 | 0.14 | 0.14 | |
| 228 | 908 | 0.14 | 0.14 | |
| 229 | 918 | 0.14 | 0.14 | |
| 230 | 928 | 0.15 | 0.15 | |
| 231 | 938 | 0.15 | 0.15 | |
| 232 | 948 | 0.15 | 0.15 | |
| 233 | 958 | 0.15 | 0.15 | |
| 234 | 968 | 0.15 | 0.15 | |
| 235 | 978 | 0.15 | 0.15 | |
| 236 | 988 | 0.15 | 0.15 | |
| 237 | 998 | 0.15 | 0.15 | |
| 238 | 1008 | 0.15 | 0.15 | |
| 239 | 1018 | 0.15 | 0.15 | |
| 240 | 1028 | 0.15 | 0.15 | |
| 241 | 1038 | 0.16 | 0.16 | |
| 242 | 1048 | 0.16 | 0.16 | |
| 243 | 1058 | 0.16 | 0.16 | |
| 244 | 1068 | 0.16 | 0.16 | |
| 245 | 1078 | 0.16 | 0.16 | |

**Waterloo Hydrogeologic, Inc.**
180 Columbia St. Unit 1104
Waterloo, Ontario,
Phone: +1 519 746

**Data**

Project: EPT

No: 127491 | Page 8

Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed sph & rej
5/16/2006

Data observed at: MW-2B Depth to static WL: 0 [ft]

Distance from pumping well: 18 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 246 | 1088 | 0.16 | 0.16 | |
| 247 | 1098 | 0.16 | 0.16 | |
| 248 | 1108 | 0.16 | 0.16 | |
| 249 | 1118 | 0.16 | 0.16 | |
| 250 | 1128 | 0.17 | 0.17 | |
| 251 | 1138 | 0.17 | 0.17 | |
| 252 | 1148 | 0.17 | 0.17 | |
| 253 | 1158 | 0.17 | 0.17 | |
| 254 | 1168 | 0.17 | 0.17 | |
| 255 | 1178 | 0.18 | 0.18 | |
| 256 | 1188 | 0.18 | 0.18 | |
| 257 | 1198 | 0.18 | 0.18 | |
| 258 | 1208 | 0.18 | 0.18 | |
| 259 | 1218 | 0.18 | 0.18 | |
| 260 | 1228 | 0.18 | 0.18 | |
| 261 | 1238 | 0.18 | 0.18 | |
| 262 | 1248 | 0.18 | 0.18 | |
| 263 | 1258 | 0.19 | 0.19 | |
| 264 | 1268 | 0.19 | 0.19 | |
| 265 | 1278 | 0.19 | 0.19 | |
| 266 | 1288 | 0.19 | 0.19 | |
| 267 | 1298 | 0.19 | 0.19 | |
| 268 | 1308 | 0.19 | 0.19 | |
| 269 | 1318 | 0.19 | 0.19 | |
| 270 | 1328 | 0.20 | 0.20 | |
| 271 | 1338 | 0.20 | 0.20 | |
| 272 | 1348 | 0.20 | 0.20 | |
| 273 | 1358 | 0.20 | 0.20 | |
| 274 | 1368 | 0.20 | 0.20 | |
| 275 | 1378 | 0.20 | 0.20 | |
| 276 | 1388 | 0.20 | 0.20 | |
| 277 | 1398 | 0.20 | 0.20 | |
| 278 | 1408 | 0.20 | 0.20 | |
| 279 | 1418 | 0.20 | 0.20 | |
| 280 | 1428 | 0.20 | 0.20 | |

**Waterloo Hydrogeologic, Inc.**
180 Columbia St. Unit 1104
Waterloo, Ontario,
Phone: +1 519 746



Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed sph & rej
5/16/2006

Data observed at: MW-2B Depth to static WL: 0 [ft]
Distance from pumping well: 18 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 281 | 1438 | 0.20 | 0.20 | |
| 282 | 1448 | 0.20 | 0.20 | |
| 283 | 1458 | 0.20 | 0.20 | |
| 284 | 1468 | 0.20 | 0.20 | |
| 285 | 1478 | 0.20 | 0.20 | |
| 286 | 1488 | 0.21 | 0.21 | |
| 287 | 1498 | 0.21 | 0.21 | |
| 288 | 1508 | 0.21 | 0.21 | |
| 289 | 1518 | 0.21 | 0.21 | |
| 290 | 1528 | 0.21 | 0.21 | |
| 291 | 1538 | 0.22 | 0.22 | |
| 292 | 1548 | 0.22 | 0.22 | |
| 293 | 1558 | 0.22 | 0.22 | |
| 294 | 1568 | 0.23 | 0.23 | |
| 295 | 1578 | 0.23 | 0.23 | |
| 296 | 1588 | 0.23 | 0.23 | |
| 297 | 1598 | 0.23 | 0.23 | |
| 298 | 1608 | 0.23 | 0.23 | |
| 299 | 1618 | 0.23 | 0.23 | |

**Waterloo Hydrogeologic, Inc.**
180 Columbia St. Unit 1104
Waterloo, Ontario,
Phone: +1 519 746

**Data**

Project: EPT

No: 127491 | Page 1

Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed: sph & rej
5/16/2006

Data observed at: MW-5B | Depth to static WL: 0 [ft]

Distance from pumping well: 22 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 1 | 0 | 0.00 | 0.00 | |
| 2 | 0.00 | 0.00 | 0.00 | |
| 3 | 0.01 | 0.00 | 0.00 | |
| 4 | 0.01 | -0.01 | -0.01 | |
| 5 | 0.02 | -0.01 | -0.01 | |
| 6 | 0.02 | -0.01 | -0.01 | |
| 7 | 0.03 | -0.01 | -0.01 | |
| 8 | 0.03 | 0.01 | 0.01 | |
| 9 | 0.03 | 0.00 | 0.00 | |
| 10 | 0.04 | 0.01 | 0.01 | |
| 11 | 0.04 | 0.01 | 0.01 | |
| 12 | 0.05 | 0.01 | 0.01 | |
| 13 | 0.05 | 0.01 | 0.01 | |
| 14 | 0.05 | 0.01 | 0.01 | |
| 15 | 0.06 | 0.01 | 0.01 | |
| 16 | 0.06 | 0.01 | 0.01 | |
| 17 | 0.07 | 0.01 | 0.01 | |
| 18 | 0.07 | 0.01 | 0.01 | |
| 19 | 0.08 | 0.01 | 0.01 | |
| 20 | 0.08 | 0.01 | 0.01 | |
| 21 | 0.08 | 0.01 | 0.01 | |
| 22 | 0.09 | 0.01 | 0.01 | |
| 23 | 0.09 | 0.01 | 0.01 | |
| 24 | 0.1 | 0.01 | 0.01 | |
| 25 | 0.1 | 0.01 | 0.01 | |
| 26 | 0.11 | 0.01 | 0.01 | |
| 27 | 0.11 | 0.01 | 0.01 | |
| 28 | 0.12 | 0.01 | 0.01 | |
| 29 | 0.13 | 0.01 | 0.01 | |
| 30 | 0.13 | 0.01 | 0.01 | |
| 31 | 0.14 | 0.01 | 0.01 | |
| 32 | 0.15 | 0.00 | 0.00 | |
| 33 | 0.16 | 0.00 | 0.00 | |
| 34 | 0.17 | 0.00 | 0.00 | |
| 35 | 0.18 | 0.00 | 0.00 | |

**Waterloo Hydrogeologic, Inc.**
180 Columbia St. Unit 1104
Waterloo, Ontario,
Phone: +1 519 746

**Data**

Project: EPT

No: 127491 | Page 2

Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed: sph & rej
5/16/2006

Data observed at: MW-5B | Depth to static WL: 0 [ft]

Distance from pumping well: 22 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 36 | 0.19 | 0.01 | 0.01 | |
| 37 | 0.22 | 0.00 | 0.00 | |
| 38 | 0.22 | 0.00 | 0.00 | |
| 39 | 0.22 | 0.00 | 0.00 | |
| 40 | 0.24 | 0.00 | 0.00 | |
| 41 | 0.25 | 0.00 | 0.00 | |
| 42 | 0.27 | 0.00 | 0.00 | |
| 43 | 0.28 | 0.00 | 0.00 | |
| 44 | 0.3 | 0.00 | 0.00 | |
| 45 | 0.32 | 0.00 | 0.00 | |
| 46 | 0.34 | 0.00 | 0.00 | |
| 47 | 0.36 | 0.00 | 0.00 | |
| 48 | 0.38 | 0.00 | 0.00 | |
| 49 | 0.4 | 0.00 | 0.00 | |
| 50 | 0.42 | 0.00 | 0.00 | |
| 51 | 0.45 | 0.00 | 0.00 | |
| 52 | 0.47 | 0.00 | 0.00 | |
| 53 | 0.5 | 0.00 | 0.00 | |
| 54 | 0.53 | 0.00 | 0.00 | |
| 55 | 0.56 | 0.00 | 0.00 | |
| 56 | 0.6 | 0.00 | 0.00 | |
| 57 | 0.63 | 0.00 | 0.00 | |
| 58 | 0.67 | 0.00 | 0.00 | |
| 59 | 0.71 | 0.00 | 0.00 | |
| 60 | 0.75 | 0.00 | 0.00 | |
| 61 | 0.79 | 0.00 | 0.00 | |
| 62 | 0.84 | 0.00 | 0.00 | |
| 63 | 0.89 | 0.00 | 0.00 | |
| 64 | 0.94 | 0.00 | 0.00 | |
| 65 | 1 | 0.00 | 0.00 | |
| 66 | 1.06 | 0.00 | 0.00 | |
| 67 | 1.12 | 0.00 | 0.00 | |
| 68 | 1.19 | 0.00 | 0.00 | |
| 69 | 1.26 | 0.00 | 0.00 | |
| 70 | 1.33 | 0.00 | 0.00 | |

**Waterloo Hydrogeologic, Inc.**
180 Columbia St. Unit 1104
Waterloo, Ontario,
Phone: +1 519 746

**Data**

Project: EPT

No: 127491 | Page 3

Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed sph & rej
5/16/2006

Data observed at: MW-5B | Depth to static WL: 0 [ft]

Distance from pumping well: 22 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 71 | 1.41 | 0.00 | 0.00 | |
| 72 | 1.5 | 0.00 | 0.00 | |
| 73 | 1.58 | 0.00 | 0.00 | |
| 74 | 1.68 | 0.00 | 0.00 | |
| 75 | 1.78 | 0.01 | 0.01 | |
| 76 | 1.88 | 0.00 | 0.00 | |
| 77 | 1.99 | 0.00 | 0.00 | |
| 78 | 2.11 | 0.00 | 0.00 | |
| 79 | 2.24 | 0.00 | 0.00 | |
| 80 | 2.37 | 0.01 | 0.01 | |
| 81 | 2.51 | 0.00 | 0.00 | |
| 82 | 2.66 | 0.01 | 0.01 | |
| 83 | 2.82 | 0.01 | 0.01 | |
| 84 | 2.98 | 0.00 | 0.00 | |
| 85 | 3.16 | 0.01 | 0.01 | |
| 86 | 3.35 | 0.00 | 0.00 | |
| 87 | 3.55 | 0.01 | 0.01 | |
| 88 | 3.76 | 0.01 | 0.01 | |
| 89 | 3.98 | 0.01 | 0.01 | |
| 90 | 4.22 | 0.01 | 0.01 | |
| 91 | 4.47 | 0.01 | 0.01 | |
| 92 | 4.73 | 0.01 | 0.01 | |
| 93 | 5.01 | 0.01 | 0.01 | |
| 94 | 5.31 | 0.01 | 0.01 | |
| 95 | 5.62 | 0.01 | 0.01 | |
| 96 | 5.96 | 0.01 | 0.01 | |
| 97 | 6.31 | 0.01 | 0.01 | |
| 98 | 6.68 | 0.01 | 0.01 | |
| 99 | 7.08 | 0.01 | 0.01 | |
| 100 | 7.5 | 0.01 | 0.01 | |
| 101 | 7.94 | 0.01 | 0.01 | |
| 102 | 8.41 | 0.01 | 0.01 | |
| 103 | 8.91 | 0.01 | 0.01 | |
| 104 | 9.44 | 0.01 | 0.01 | |
| 105 | 10 | 0.01 | 0.01 | |

**Waterloo Hydrogeologic, Inc.**
180 Columbia St. Unit 1104
Waterloo, Ontario,
Phone: +1 519 746

**Data**

Project: EPT

No: 127491 | Page 4

Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed sph & rej
5/16/2006

Data observed at: MW-5B Depth to static WL: 0 [ft]

Distance from pumping well: 22 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 106 | 10.6 | 0.01 | 0.01 | |
| 107 | 11.2 | 0.01 | 0.01 | |
| 108 | 11.9 | 0.01 | 0.01 | |
| 109 | 12.6 | 0.02 | 0.02 | |
| 110 | 13.3 | 0.02 | 0.02 | |
| 111 | 14.1 | 0.02 | 0.02 | |
| 112 | 15 | 0.02 | 0.02 | |
| 113 | 15.8 | 0.02 | 0.02 | |
| 114 | 16.8 | 0.02 | 0.02 | |
| 115 | 17.8 | 0.02 | 0.02 | |
| 116 | 18.8 | 0.02 | 0.02 | |
| 117 | 19.9 | 0.03 | 0.03 | |
| 118 | 21.1 | 0.03 | 0.03 | |
| 119 | 22.4 | 0.03 | 0.03 | |
| 120 | 23.7 | 0.03 | 0.03 | |
| 121 | 25.1 | 0.04 | 0.04 | |
| 122 | 26.6 | 0.04 | 0.04 | |
| 123 | 28.2 | 0.04 | 0.04 | |
| 124 | 29.8 | 0.05 | 0.05 | |
| 125 | 31.6 | 0.05 | 0.05 | |
| 126 | 33.5 | 0.06 | 0.06 | |
| 127 | 35.5 | 0.06 | 0.06 | |
| 128 | 37.6 | 0.07 | 0.07 | |
| 129 | 39.8 | 0.07 | 0.07 | |
| 130 | 42.2 | 0.08 | 0.08 | |
| 131 | 44.7 | 0.09 | 0.09 | |
| 132 | 47.3 | 0.10 | 0.10 | |
| 133 | 50.1 | 0.11 | 0.11 | |
| 134 | 53.1 | 0.12 | 0.12 | |
| 135 | 56.2 | 0.14 | 0.14 | |
| 136 | 59.6 | 0.15 | 0.15 | |
| 137 | 63.1 | 0.17 | 0.17 | |
| 138 | 66.8 | 0.19 | 0.19 | |
| 139 | 70.8 | 0.21 | 0.21 | |
| 140 | 75 | 0.23 | 0.23 | |

**Waterloo Hydrogeologic, Inc.**
180 Columbia St. Unit 1104
Waterloo, Ontario,
Phone: +1 519 746

**Data**

Project: EPT

No: 127491 | Page 5

Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed sph & rej
5/16/2006

Data observed at: MW-5B | Depth to static WL: 0 [ft]

Distance from pumping well: 22 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 141 | 79.4 | 0.25 | 0.25 | |
| 142 | 84.1 | 0.27 | 0.27 | |
| 143 | 89.1 | 0.30 | 0.30 | |
| 144 | 94.4 | 0.32 | 0.32 | |
| 145 | 100 | 0.35 | 0.35 | |
| 146 | 106 | 0.37 | 0.37 | |
| 147 | 112 | 0.39 | 0.39 | |
| 148 | 119 | 0.42 | 0.42 | |
| 149 | 126 | 0.44 | 0.44 | |
| 150 | 133 | 0.47 | 0.47 | |
| 151 | 141 | 0.50 | 0.50 | |
| 152 | 150 | 0.53 | 0.53 | |
| 153 | 158 | 0.55 | 0.55 | |
| 154 | 168 | 0.59 | 0.59 | |
| 155 | 178 | 0.62 | 0.62 | |
| 156 | 188 | 0.65 | 0.65 | |
| 157 | 198 | 0.67 | 0.67 | |
| 158 | 208 | 0.70 | 0.70 | |
| 159 | 218 | 0.72 | 0.72 | |
| 160 | 228 | 0.74 | 0.74 | |
| 161 | 238 | 0.76 | 0.76 | |
| 162 | 248 | 0.77 | 0.77 | |
| 163 | 258 | 0.79 | 0.79 | |
| 164 | 268 | 0.81 | 0.81 | |
| 165 | 278 | 0.82 | 0.82 | |
| 166 | 288 | 0.84 | 0.84 | |
| 167 | 298 | 0.85 | 0.85 | |
| 168 | 308 | 0.86 | 0.86 | |
| 169 | 318 | 0.87 | 0.87 | |
| 170 | 328 | 0.88 | 0.88 | |
| 171 | 338 | 0.89 | 0.89 | |
| 172 | 348 | 0.89 | 0.89 | |
| 173 | 358 | 0.90 | 0.90 | |
| 174 | 368 | 0.91 | 0.91 | |
| 175 | 378 | 0.91 | 0.91 | |

**Waterloo Hydrogeologic, Inc.**
180 Columbia St. Unit 1104
Waterloo, Ontario,
Phone: +1 519 746

**Data**

Project: EPT

No: 127491 | Page 6

Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed sph & rej
5/16/2006

Data observed at: MW-5B Depth to static WL: 0 [ft]

Distance from pumping well: 22 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 176 | 388 | 0.91 | 0.91 | |
| 177 | 398 | 0.92 | 0.92 | |
| 178 | 408 | 0.92 | 0.92 | |
| 179 | 418 | 0.93 | 0.93 | |
| 180 | 428 | 0.93 | 0.93 | |
| 181 | 438 | 0.93 | 0.93 | |
| 182 | 448 | 0.93 | 0.93 | |
| 183 | 458 | 0.93 | 0.93 | |
| 184 | 468 | 0.93 | 0.93 | |
| 185 | 478 | 0.94 | 0.94 | |
| 186 | 488 | 0.94 | 0.94 | |
| 187 | 498 | 0.94 | 0.94 | |
| 188 | 508 | 0.94 | 0.94 | |
| 189 | 518 | 0.95 | 0.95 | |
| 190 | 528 | 0.95 | 0.95 | |
| 191 | 538 | 0.95 | 0.95 | |
| 192 | 548 | 0.94 | 0.94 | |
| 193 | 558 | 0.94 | 0.94 | |
| 194 | 568 | 0.94 | 0.94 | |
| 195 | 578 | 0.94 | 0.94 | |
| 196 | 588 | 0.94 | 0.94 | |
| 197 | 598 | 0.94 | 0.94 | |
| 198 | 608 | 0.94 | 0.94 | |
| 199 | 618 | 0.94 | 0.94 | |
| 200 | 628 | 0.94 | 0.94 | |
| 201 | 638 | 0.94 | 0.94 | |
| 202 | 648 | 0.95 | 0.95 | |
| 203 | 658 | 0.95 | 0.95 | |
| 204 | 668 | 0.95 | 0.95 | |
| 205 | 678 | 0.95 | 0.95 | |
| 206 | 688 | 0.95 | 0.95 | |
| 207 | 698 | 0.96 | 0.96 | |
| 208 | 708 | 0.96 | 0.96 | |
| 209 | 718 | 0.96 | 0.96 | |
| 210 | 728 | 0.96 | 0.96 | |

**Waterloo Hydrogeologic, Inc.**
180 Columbia St. Unit 1104
Waterloo, Ontario,
Phone: +1 519 746

**Data**

Project: EPT

No: 127491 | Page 7

Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed sph & rej
5/16/2006

Data observed at: MW-5B Depth to static WL: 0 [ft]

Distance from pumping well: 22 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 211 | 738 | 0.96 | 0.96 | |
| 212 | 748 | 0.96 | 0.96 | |
| 213 | 758 | 0.97 | 0.97 | |
| 214 | 768 | 0.97 | 0.97 | |
| 215 | 778 | 0.97 | 0.97 | |
| 216 | 788 | 0.97 | 0.97 | |
| 217 | 798 | 0.97 | 0.97 | |
| 218 | 808 | 0.97 | 0.97 | |
| 219 | 818 | 0.97 | 0.97 | |
| 220 | 828 | 0.97 | 0.97 | |
| 221 | 838 | 0.98 | 0.98 | |
| 222 | 848 | 0.98 | 0.98 | |
| 223 | 858 | 0.98 | 0.98 | |
| 224 | 868 | 0.98 | 0.98 | |
| 225 | 878 | 0.98 | 0.98 | |
| 226 | 888 | 0.99 | 0.99 | |
| 227 | 898 | 0.99 | 0.99 | |
| 228 | 908 | 0.99 | 0.99 | |
| 229 | 918 | 0.99 | 0.99 | |
| 230 | 928 | 1.00 | 1.00 | |
| 231 | 938 | 1.00 | 1.00 | |
| 232 | 948 | 1.00 | 1.00 | |
| 233 | 958 | 1.01 | 1.01 | |
| 234 | 968 | 1.01 | 1.01 | |
| 235 | 978 | 1.01 | 1.01 | |
| 236 | 988 | 1.01 | 1.01 | |
| 237 | 998 | 1.02 | 1.02 | |
| 238 | 1008 | 1.02 | 1.02 | |
| 239 | 1018 | 1.02 | 1.02 | |
| 240 | 1028 | 1.02 | 1.02 | |
| 241 | 1038 | 1.03 | 1.03 | |
| 242 | 1048 | 1.03 | 1.03 | |
| 243 | 1058 | 1.03 | 1.03 | |
| 244 | 1068 | 1.03 | 1.03 | |
| 245 | 1078 | 1.04 | 1.04 | |

**Waterloo Hydrogeologic, Inc.**
180 Columbia St. Unit 1104
Waterloo, Ontario,
Phone: +1 519 746

**Data**

Project: EPT

No: 127491 | Page 8

Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed sph & rej
5/16/2006

Data observed at: MW-5B Depth to static WL: 0 [ft]

Distance from pumping well: 22 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 246 | 1088 | 1.04 | 1.04 | |
| 247 | 1098 | 1.04 | 1.04 | |
| 248 | 1108 | 1.04 | 1.04 | |
| 249 | 1118 | 1.05 | 1.05 | |
| 250 | 1128 | 1.05 | 1.05 | |
| 251 | 1138 | 1.05 | 1.05 | |
| 252 | 1148 | 1.06 | 1.06 | |
| 253 | 1158 | 1.06 | 1.06 | |
| 254 | 1168 | 1.06 | 1.06 | |
| 255 | 1178 | 1.07 | 1.07 | |
| 256 | 1188 | 1.07 | 1.07 | |
| 257 | 1198 | 1.07 | 1.07 | |
| 258 | 1208 | 1.07 | 1.07 | |
| 259 | 1218 | 1.08 | 1.08 | |
| 260 | 1228 | 1.08 | 1.08 | |
| 261 | 1238 | 1.08 | 1.08 | |
| 262 | 1248 | 1.09 | 1.09 | |
| 263 | 1258 | 1.09 | 1.09 | |
| 264 | 1268 | 1.09 | 1.09 | |
| 265 | 1278 | 1.10 | 1.10 | |
| 266 | 1288 | 1.10 | 1.10 | |
| 267 | 1298 | 1.10 | 1.10 | |
| 268 | 1308 | 1.11 | 1.11 | |
| 269 | 1318 | 1.11 | 1.11 | |
| 270 | 1328 | 1.11 | 1.11 | |
| 271 | 1338 | 1.12 | 1.12 | |
| 272 | 1348 | 1.12 | 1.12 | |
| 273 | 1358 | 1.12 | 1.12 | |
| 274 | 1368 | 1.13 | 1.13 | |
| 275 | 1378 | 1.13 | 1.13 | |
| 276 | 1388 | 1.13 | 1.13 | |
| 277 | 1398 | 1.13 | 1.13 | |
| 278 | 1408 | 1.13 | 1.13 | |
| 279 | 1418 | 1.14 | 1.14 | |
| 280 | 1428 | 1.14 | 1.14 | |

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Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed sph & rej
5/16/2006

Data observed at: MW-5B Depth to static WL: 0 [ft]
Distance from pumping well: 22 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 281 | 1438 | 1.14 | 1.14 | |
| 282 | 1448 | 1.14 | 1.14 | |
| 283 | 1458 | 1.14 | 1.14 | |
| 284 | 1468 | 1.14 | 1.14 | |
| 285 | 1478 | 1.14 | 1.14 | |
| 286 | 1488 | 1.14 | 1.14 | |
| 287 | 1498 | 1.15 | 1.15 | |
| 288 | 1508 | 1.16 | 1.16 | |
| 289 | 1518 | 1.17 | 1.17 | |
| 290 | 1528 | 1.19 | 1.19 | |
| 291 | 1538 | 1.20 | 1.20 | |
| 292 | 1548 | 1.22 | 1.22 | |
| 293 | 1558 | 1.23 | 1.23 | |
| 294 | 1568 | 1.25 | 1.25 | |
| 295 | 1578 | 1.27 | 1.27 | |
| 296 | 1588 | 1.29 | 1.29 | |
| 297 | 1598 | 1.31 | 1.31 | |
| 298 | 1608 | 1.34 | 1.34 | |
| 299 | 1618 | 1.36 | 1.36 | |

**Waterloo Hydrogeologic, Inc.**
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**Data**

Project: EPT

No: 127491 | Page 1

Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed sph & rej
5/16/2006

Data observed at: MW-1B | Depth to static WL: 0 [ft]

Distance from pumping well: 93 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 1 | 0 | 0.00 | 0.00 | |
| 2 | 0.00 | 0.00 | 0.00 | |
| 3 | 0.01 | 0.00 | 0.00 | |
| 4 | 0.01 | 0.00 | 0.00 | |
| 5 | 0.02 | 0.00 | 0.00 | |
| 6 | 0.02 | 0.00 | 0.00 | |
| 7 | 0.03 | 0.00 | 0.00 | |
| 8 | 0.03 | 0.00 | 0.00 | |
| 9 | 0.03 | 0.00 | 0.00 | |
| 10 | 0.04 | 0.00 | 0.00 | |
| 11 | 0.04 | 0.00 | 0.00 | |
| 12 | 0.05 | 0.00 | 0.00 | |
| 13 | 0.05 | 0.00 | 0.00 | |
| 14 | 0.05 | 0.00 | 0.00 | |
| 15 | 0.06 | 0.00 | 0.00 | |
| 16 | 0.06 | 0.00 | 0.00 | |
| 17 | 0.07 | 0.00 | 0.00 | |
| 18 | 0.07 | 0.00 | 0.00 | |
| 19 | 0.08 | 0.00 | 0.00 | |
| 20 | 0.08 | 0.00 | 0.00 | |
| 21 | 0.08 | 0.00 | 0.00 | |
| 22 | 0.09 | 0.00 | 0.00 | |
| 23 | 0.09 | 0.00 | 0.00 | |
| 24 | 0.1 | 0.00 | 0.00 | |
| 25 | 0.1 | 0.00 | 0.00 | |
| 26 | 0.11 | 0.00 | 0.00 | |
| 27 | 0.11 | 0.00 | 0.00 | |
| 28 | 0.12 | 0.00 | 0.00 | |
| 29 | 0.13 | 0.00 | 0.00 | |
| 30 | 0.13 | 0.00 | 0.00 | |
| 31 | 0.14 | 0.00 | 0.00 | |
| 32 | 0.15 | 0.00 | 0.00 | |
| 33 | 0.16 | 0.01 | 0.01 | |
| 34 | 0.17 | 0.00 | 0.00 | |
| 35 | 0.18 | 0.00 | 0.00 | |

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**Data**

Project: EPT

No: 127491 | Page 2

Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed sph & rej
5/16/2006

Data observed at: MW-1B | Depth to static WL: 0 [ft]

Distance from pumping well: 93 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 36 | 0.19 | 0.00 | 0.00 | |
| 37 | 0.22 | 0.00 | 0.00 | |
| 38 | 0.22 | 0.00 | 0.00 | |
| 39 | 0.22 | 0.00 | 0.00 | |
| 40 | 0.24 | 0.00 | 0.00 | |
| 41 | 0.25 | 0.00 | 0.00 | |
| 42 | 0.27 | 0.00 | 0.00 | |
| 43 | 0.28 | 0.00 | 0.00 | |
| 44 | 0.3 | 0.00 | 0.00 | |
| 45 | 0.32 | 0.00 | 0.00 | |
| 46 | 0.34 | 0.00 | 0.00 | |
| 47 | 0.36 | 0.00 | 0.00 | |
| 48 | 0.38 | 0.00 | 0.00 | |
| 49 | 0.4 | 0.00 | 0.00 | |
| 50 | 0.42 | 0.00 | 0.00 | |
| 51 | 0.45 | 0.00 | 0.00 | |
| 52 | 0.47 | 0.00 | 0.00 | |
| 53 | 0.5 | 0.00 | 0.00 | |
| 54 | 0.53 | 0.00 | 0.00 | |
| 55 | 0.56 | 0.00 | 0.00 | |
| 56 | 0.6 | 0.00 | 0.00 | |
| 57 | 0.63 | 0.00 | 0.00 | |
| 58 | 0.67 | 0.00 | 0.00 | |
| 59 | 0.71 | 0.00 | 0.00 | |
| 60 | 0.75 | 0.00 | 0.00 | |
| 61 | 0.79 | 0.00 | 0.00 | |
| 62 | 0.84 | 0.00 | 0.00 | |
| 63 | 0.89 | 0.00 | 0.00 | |
| 64 | 0.94 | 0.00 | 0.00 | |
| 65 | 1 | 0.00 | 0.00 | |
| 66 | 1.06 | 0.00 | 0.00 | |
| 67 | 1.12 | 0.00 | 0.00 | |
| 68 | 1.19 | 0.00 | 0.00 | |
| 69 | 1.26 | 0.00 | 0.00 | |
| 70 | 1.33 | 0.00 | 0.00 | |

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**Data**

Project: EPT

No: 127491 | Page 3

Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed sph & rej
5/16/2006

Data observed at: MW-1B Depth to static WL: 0 [ft]

Distance from pumping well: 93 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 71 | 1.41 | 0.00 | 0.00 | |
| 72 | 1.5 | 0.00 | 0.00 | |
| 73 | 1.58 | 0.00 | 0.00 | |
| 74 | 1.68 | 0.00 | 0.00 | |
| 75 | 1.78 | 0.00 | 0.00 | |
| 76 | 1.88 | 0.00 | 0.00 | |
| 77 | 1.99 | 0.00 | 0.00 | |
| 78 | 2.11 | 0.00 | 0.00 | |
| 79 | 2.24 | 0.00 | 0.00 | |
| 80 | 2.37 | 0.00 | 0.00 | |
| 81 | 2.51 | 0.00 | 0.00 | |
| 82 | 2.66 | 0.00 | 0.00 | |
| 83 | 2.82 | 0.00 | 0.00 | |
| 84 | 2.98 | 0.00 | 0.00 | |
| 85 | 3.16 | 0.00 | 0.00 | |
| 86 | 3.35 | 0.00 | 0.00 | |
| 87 | 3.55 | 0.00 | 0.00 | |
| 88 | 3.76 | 0.00 | 0.00 | |
| 89 | 3.98 | 0.00 | 0.00 | |
| 90 | 4.22 | 0.00 | 0.00 | |
| 91 | 4.47 | 0.00 | 0.00 | |
| 92 | 4.73 | 0.01 | 0.01 | |
| 93 | 5.01 | 0.00 | 0.00 | |
| 94 | 5.31 | 0.00 | 0.00 | |
| 95 | 5.62 | 0.00 | 0.00 | |
| 96 | 5.96 | 0.00 | 0.00 | |
| 97 | 6.31 | 0.00 | 0.00 | |
| 98 | 6.68 | 0.00 | 0.00 | |
| 99 | 7.08 | 0.00 | 0.00 | |
| 100 | 7.5 | 0.00 | 0.00 | |
| 101 | 7.94 | 0.01 | 0.01 | |
| 102 | 8.41 | 0.01 | 0.01 | |
| 103 | 8.91 | 0.01 | 0.01 | |
| 104 | 9.44 | 0.00 | 0.00 | |
| 105 | 10 | 0.01 | 0.01 | |

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**Data**

Project: EPT

No: 127491 | Page 4

Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed sph & rej
5/16/2006

Data observed at: MW-1B | Depth to static WL: 0 [ft]

Distance from pumping well: 93 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 106 | 10.6 | 0.01 | 0.01 | |
| 107 | 11.2 | 0.01 | 0.01 | |
| 108 | 11.9 | 0.01 | 0.01 | |
| 109 | 12.6 | 0.01 | 0.01 | |
| 110 | 13.3 | 0.01 | 0.01 | |
| 111 | 14.1 | 0.01 | 0.01 | |
| 112 | 15 | 0.01 | 0.01 | |
| 113 | 15.8 | 0.01 | 0.01 | |
| 114 | 16.8 | 0.01 | 0.01 | |
| 115 | 17.8 | 0.01 | 0.01 | |
| 116 | 18.8 | 0.01 | 0.01 | |
| 117 | 19.9 | 0.01 | 0.01 | |
| 118 | 21.1 | 0.01 | 0.01 | |
| 119 | 22.4 | 0.01 | 0.01 | |
| 120 | 23.7 | 0.01 | 0.01 | |
| 121 | 25.1 | 0.01 | 0.01 | |
| 122 | 26.6 | 0.02 | 0.02 | |
| 123 | 28.2 | 0.02 | 0.02 | |
| 124 | 29.8 | 0.02 | 0.02 | |
| 125 | 31.6 | 0.02 | 0.02 | |
| 126 | 33.5 | 0.02 | 0.02 | |
| 127 | 35.5 | 0.02 | 0.02 | |
| 128 | 37.6 | 0.02 | 0.02 | |
| 129 | 39.8 | 0.02 | 0.02 | |
| 130 | 42.2 | 0.02 | 0.02 | |
| 131 | 44.7 | 0.03 | 0.03 | |
| 132 | 47.3 | 0.03 | 0.03 | |
| 133 | 50.1 | 0.03 | 0.03 | |
| 134 | 53.1 | 0.03 | 0.03 | |
| 135 | 56.2 | 0.03 | 0.03 | |
| 136 | 59.6 | 0.03 | 0.03 | |
| 137 | 63.1 | 0.03 | 0.03 | |
| 138 | 66.8 | 0.03 | 0.03 | |
| 139 | 70.8 | 0.03 | 0.03 | |
| 140 | 75 | 0.03 | 0.03 | |

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Phone: +1 519 746

**Data**

Project: EPT

No: 127491 | Page 5

Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed sph & rej
5/16/2006

Data observed at: MW-1B Depth to static WL: 0 [ft]

Distance from pumping well: 93 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 141 | 79.4 | 0.03 | 0.03 | |
| 142 | 84.1 | 0.04 | 0.04 | |
| 143 | 89.1 | 0.04 | 0.04 | |
| 144 | 94.4 | 0.04 | 0.04 | |
| 145 | 100 | 0.04 | 0.04 | |
| 146 | 106 | 0.03 | 0.03 | |
| 147 | 112 | 0.03 | 0.03 | |
| 148 | 119 | 0.04 | 0.04 | |
| 149 | 126 | 0.03 | 0.03 | |
| 150 | 133 | 0.03 | 0.03 | |
| 151 | 141 | 0.03 | 0.03 | |
| 152 | 150 | 0.03 | 0.03 | |
| 153 | 158 | 0.04 | 0.04 | |
| 154 | 168 | 0.04 | 0.04 | |
| 155 | 178 | 0.05 | 0.05 | |
| 156 | 188 | 0.05 | 0.05 | |
| 157 | 198 | 0.05 | 0.05 | |
| 158 | 208 | 0.05 | 0.05 | |
| 159 | 218 | 0.05 | 0.05 | |
| 160 | 228 | 0.05 | 0.05 | |
| 161 | 238 | 0.06 | 0.06 | |
| 162 | 248 | 0.06 | 0.06 | |
| 163 | 258 | 0.06 | 0.06 | |
| 164 | 268 | 0.06 | 0.06 | |
| 165 | 278 | 0.06 | 0.06 | |
| 166 | 288 | 0.06 | 0.06 | |
| 167 | 298 | 0.06 | 0.06 | |
| 168 | 308 | 0.07 | 0.07 | |
| 169 | 318 | 0.07 | 0.07 | |
| 170 | 328 | 0.07 | 0.07 | |
| 171 | 338 | 0.08 | 0.08 | |
| 172 | 348 | 0.08 | 0.08 | |
| 173 | 358 | 0.08 | 0.08 | |
| 174 | 368 | 0.09 | 0.09 | |
| 175 | 378 | 0.09 | 0.09 | |

**Waterloo Hydrogeologic, Inc.**
180 Columbia St. Unit 1104
Waterloo, Ontario,
Phone: +1 519 746

**Data**

Project: EPT

No: 127491 | Page 6

Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed sph & rej
5/16/2006

Data observed at: MW-1B | Depth to static WL: 0 [ft]

Distance from pumping well: 93 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 176 | 388 | 0.09 | 0.09 | |
| 177 | 398 | 0.09 | 0.09 | |
| 178 | 408 | 0.10 | 0.10 | |
| 179 | 418 | 0.10 | 0.10 | |
| 180 | 428 | 0.10 | 0.10 | |
| 181 | 438 | 0.11 | 0.11 | |
| 182 | 448 | 0.12 | 0.12 | |
| 183 | 458 | 0.12 | 0.12 | |
| 184 | 468 | 0.12 | 0.12 | |
| 185 | 478 | 0.12 | 0.12 | |
| 186 | 488 | 0.13 | 0.13 | |
| 187 | 498 | 0.13 | 0.13 | |
| 188 | 508 | 0.14 | 0.14 | |
| 189 | 518 | 0.14 | 0.14 | |
| 190 | 528 | 0.15 | 0.15 | |
| 191 | 538 | 0.16 | 0.16 | |
| 192 | 548 | 0.16 | 0.16 | |
| 193 | 558 | 0.16 | 0.16 | |
| 194 | 568 | 0.17 | 0.17 | |
| 195 | 578 | 0.18 | 0.18 | |
| 196 | 588 | 0.18 | 0.18 | |
| 197 | 598 | 0.19 | 0.19 | |
| 198 | 608 | 0.19 | 0.19 | |
| 199 | 618 | 0.20 | 0.20 | |
| 200 | 628 | 0.20 | 0.20 | |
| 201 | 638 | 0.21 | 0.21 | |
| 202 | 648 | 0.22 | 0.22 | |
| 203 | 658 | 0.22 | 0.22 | |
| 204 | 668 | 0.22 | 0.22 | |
| 205 | 678 | 0.23 | 0.23 | |
| 206 | 688 | 0.24 | 0.24 | |
| 207 | 698 | 0.24 | 0.24 | |
| 208 | 708 | 0.25 | 0.25 | |
| 209 | 718 | 0.25 | 0.25 | |
| 210 | 728 | 0.26 | 0.26 | |

**Waterloo Hydrogeologic, Inc.**
180 Columbia St. Unit 1104
Waterloo, Ontario,
Phone: +1 519 746

**Data**

Project: EPT

No: 127491 | Page 7

Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed sph & rej
5/16/2006

Data observed at: MW-1B | Depth to static WL: 0 [ft]

Distance from pumping well: 93 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 211 | 738 | 0.26 | 0.26 | |
| 212 | 748 | 0.26 | 0.26 | |
| 213 | 758 | 0.27 | 0.27 | |
| 214 | 768 | 0.27 | 0.27 | |
| 215 | 778 | 0.27 | 0.27 | |
| 216 | 788 | 0.27 | 0.27 | |
| 217 | 798 | 0.28 | 0.28 | |
| 218 | 808 | 0.28 | 0.28 | |
| 219 | 818 | 0.28 | 0.28 | |
| 220 | 828 | 0.28 | 0.28 | |
| 221 | 838 | 0.28 | 0.28 | |
| 222 | 848 | 0.28 | 0.28 | |
| 223 | 858 | 0.29 | 0.29 | |
| 224 | 868 | 0.29 | 0.29 | |
| 225 | 878 | 0.29 | 0.29 | |
| 226 | 888 | 0.29 | 0.29 | |
| 227 | 898 | 0.29 | 0.29 | |
| 228 | 908 | 0.30 | 0.30 | |
| 229 | 918 | 0.30 | 0.30 | |
| 230 | 928 | 0.30 | 0.30 | |
| 231 | 938 | 0.31 | 0.31 | |
| 232 | 948 | 0.31 | 0.31 | |
| 233 | 958 | 0.31 | 0.31 | |
| 234 | 968 | 0.32 | 0.32 | |
| 235 | 978 | 0.32 | 0.32 | |
| 236 | 988 | 0.32 | 0.32 | |
| 237 | 998 | 0.32 | 0.32 | |
| 238 | 1008 | 0.33 | 0.33 | |
| 239 | 1018 | 0.33 | 0.33 | |
| 240 | 1028 | 0.33 | 0.33 | |
| 241 | 1038 | 0.33 | 0.33 | |
| 242 | 1048 | 0.34 | 0.34 | |
| 243 | 1058 | 0.34 | 0.34 | |
| 244 | 1068 | 0.34 | 0.34 | |
| 245 | 1078 | 0.34 | 0.34 | |

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**Data**

Project: EPT

No: 127491 | Page 8

Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed sph & rej
5/16/2006

Data observed at: MW-1B | Depth to static WL: 0 [ft]

Distance from pumping well: 93 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 246 | 1088 | 0.35 | 0.35 | |
| 247 | 1098 | 0.35 | 0.35 | |
| 248 | 1108 | 0.35 | 0.35 | |
| 249 | 1118 | 0.35 | 0.35 | |
| 250 | 1128 | 0.35 | 0.35 | |
| 251 | 1138 | 0.35 | 0.35 | |
| 252 | 1148 | 0.36 | 0.36 | |
| 253 | 1158 | 0.36 | 0.36 | |
| 254 | 1168 | 0.37 | 0.37 | |
| 255 | 1178 | 0.37 | 0.37 | |
| 256 | 1188 | 0.38 | 0.38 | |
| 257 | 1198 | 0.39 | 0.39 | |
| 258 | 1208 | 0.39 | 0.39 | |
| 259 | 1218 | 0.40 | 0.40 | |
| 260 | 1228 | 0.40 | 0.40 | |
| 261 | 1238 | 0.40 | 0.40 | |
| 262 | 1248 | 0.40 | 0.40 | |
| 263 | 1258 | 0.41 | 0.41 | |
| 264 | 1268 | 0.42 | 0.42 | |
| 265 | 1278 | 0.43 | 0.43 | |
| 266 | 1288 | 0.44 | 0.44 | |
| 267 | 1298 | 0.45 | 0.45 | |
| 268 | 1308 | 0.45 | 0.45 | |
| 269 | 1318 | 0.46 | 0.46 | |
| 270 | 1328 | 0.47 | 0.47 | |
| 271 | 1338 | 0.48 | 0.48 | |
| 272 | 1348 | 0.48 | 0.48 | |
| 273 | 1358 | 0.49 | 0.49 | |
| 274 | 1368 | 0.50 | 0.50 | |
| 275 | 1378 | 0.50 | 0.50 | |
| 276 | 1388 | 0.51 | 0.51 | |
| 277 | 1398 | 0.51 | 0.51 | |
| 278 | 1408 | 0.52 | 0.52 | |
| 279 | 1418 | 0.52 | 0.52 | |
| 280 | 1428 | 0.53 | 0.53 | |

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180 Columbia St. Unit 1104
Waterloo, Ontario,
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**Data**

Project: EPT

No: 127491 | Page 9

Client: Emerson

Location: Ithaca, NY | Pumping test: CRT MW-3B | Pumping well: MW-3B

Test performed sph & rej
5/16/2006

Data observed at: MW-1B Depth to static WL: 0 [ft]

Distance from pumping well: 93 [ft]

| | Time [min] | Depth to WL [ft] | Drawdown [ft] | |
|---|---|---|---|---|
| 281 | 1438 | 0.53 | 0.53 | |
| 282 | 1448 | 0.54 | 0.54 | |
| 283 | 1458 | 0.54 | 0.54 | |
| 284 | 1468 | 0.55 | 0.55 | |
| 285 | 1478 | 0.55 | 0.55 | |
| 286 | 1488 | 0.56 | 0.56 | |
| 287 | 1498 | 0.56 | 0.56 | |
| 288 | 1508 | 0.57 | 0.57 | |
| 289 | 1518 | 0.57 | 0.57 | |
| 290 | 1528 | 0.57 | 0.57 | |
| 291 | 1538 | 0.58 | 0.58 | |
| 292 | 1548 | 0.58 | 0.58 | |
| 293 | 1558 | 0.59 | 0.59 | |
| 294 | 1568 | 0.59 | 0.59 | |
| 295 | 1578 | 0.59 | 0.59 | |
| 296 | 1588 | 0.59 | 0.59 | |
| 297 | 1598 | 0.59 | 0.59 | |
| 298 | 1608 | 0.60 | 0.60 | |
| 299 | 1618 | 0.60 | 0.60 | |