day
DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

April 9, 2001

Mr. Joseph Biondolillo
Environmental Specialist
City of Rochester
30 Church Street, Room 300B
Rochester, New York 14614

RE: Hydraulic Conductivity Testing
14-60 Charlotte Street
Rochester, New York

Dear Mr. Biondolillo:

On February 7 & 14, 2001, hydraulic conductivity testing (i.e., slug testing) was performed at the above-referenced property. The wells tested included overburden monitoring wells MW-1, MW-2 and MW-4 and overburden/bedrock interface monitoring wells MW-6, MW-8, MW-9, MW-10 and MW-12. The tests included the placement of a "Slug" into each well and its subsequent removal coupled with monitoring of the resulting variation in water level data. Attached are the Hydraulic Conductivity Testing Data Sheets. The information collected was used to calculate hydraulic conductivities for the wells using the SuperSlug computer model.

The effective radius (Re) of the wells was calculated using the following calculation:

$$Re = [r^2(1-n) + nR^2]^{1/2}, \text{ where}$$

R = radius of borehole
r = radius of screen
n = porosity of sand pack = assumed to be 0.35

The hydraulic conductivities were calculated using the "Bouwer and Rice" method for unconfined aquifers. The data input into the SuperSlug computer model for wells MW-2 and MW-9 indicate that hydraulic conductivities could not be calculated for these wells. The output sheets from the SuperSlug software program for wells MW-1, MW-4, MW-6, MW-8, MW-10 and MW-12, and a summary table (i.e., Table 1) are attached.

The calculated hydraulic conductivities for the two overburden wells range between 3.39×10^{-5} cm/sec and 6.33×10^{-5} cm/sec. Calculated hydraulic conductivities for the four overburden/bedrock interface wells range between 1.04×10^{-3} cm/sec and 4.20×10^{-5} cm/sec.

2144 BRIGHTON-HENRIETTA TOWNLINE ROAD
ROCHESTER, NEW YORK 14623-2700

(716) 292-1090
FAX (716) 292-0425
staff@daymail.net

If there are any questions, please contact this office.

Very truly yours,
Day Environmental, Inc.

Jeffrey A. Danzinger
Sr. Professional

JAD/s

Attachments

Hydraulic Conductivity Testing Data Sheets

HYDRAULIC CONDUCTIVITY TESTING DATA SHEET

14-60 CHARLOTTE STREET
ROCHESTER, NEW YORK

DATE: 2/14/01

DAY REPRESENTATIVES: Aaron Farrell / Dan Noll

WELL: MW-1

WELL DIAMETER: 1.25"

SWL: 6.98

SLUG DIMENSIONS: Length = 12"; Diameter = 0.5"

TIME SLUG IN: 8:44:10

TIME SLUG OUT: 9:15:10

TIME	WATER LEVEL	TIME	WATER LEVEL	TIME	WATER LEVEL	TIME	WATER LEVEL
SLUG IN	6.81	5:30	6.90	***SLUG OUT***	7.12	9:00	7.00
00:10	6.81	6:00	6.91	00:10	7.12	10:00	7.00
00:20	6.82	6:30	6.91	00:20	7.11	11:00	6.99
00:30	6.82	7:00	6.92	00:30	7.10	12:00	6.99
00:40	6.82	7:30	6.92	00:40	7.10	13:00	6.99
00:50	6.83	8:00	6.92	00:50	7.09	13:30	6.98
1:00	6.83	9:00	6.93	1:00	7.09		
1:15	6.84	10:00	6.93	1:15	7.08		
1:30	6.84	11:00	6.94	1:30	7.08		
1:45	6.85	12:00	6.94	1:45	7.07		
2:00	6.85	13:00	6.95	2:00	7.07		
2:15	6.86	14:00	6.95	2:15	7.07		
2:30	6.86	15:00	6.95	2:30	7.07		
2:45	6.87	17:30	6.96	2:45	7.06		
3:00	6.87	20:00	6.96	3:00	7.06		
3:15	6.88	22:30	6.96	3:30	7.05		
3:30	6.88	25:00	6.96	4:00	7.05		
3:45	6.89	30:00	6.97	4:30	7.04		
4:00	6.89			5:00	7.04		
4:15	6.89			5:30	7.03		
4:30	6.89			6:00	7.03		
4:45	6.90			7:00	7.02		
5:00	6.90			8:00	7.01		

HYDRAULIC CONDUCTIVITY TESTING DATA SHEET

14-60 CHARLOTTE STREET
ROCHESTER, NEW YORK

DATE: 2/7/01

DAY REPRESENTATIVES: Aaron Farrell / Joe Dorety

WELL: MW-2

WELL DIAMETER: 1.25"

SWL: 7.38

SLUG DIMENSIONS: Length = 12"; Diameter = 0.5"

TIME SLUG IN: 13:48:10

TIME SLUG OUT: 13:46:15

TIME	WATER LEVEL	TIME	WATER LEVEL	TIME	WATER LEVEL	TIME	WATER LEVEL
SLUG IN	7.38			*SLUG OUT*	7.38		
00:05	7.37						
00:10	7.37						
00:20	7.37						
00:30	7.38						

HYDRAULIC CONDUCTIVITY TESTING DATA SHEET

14-60 CHARLOTTE STREET
ROCHESTER, NEW YORK

DATE: 2/7/01

DAY REPRESENTATIVES: Aaron Farrell / Joe Dorety

WELL: MW-4

WELL DIAMETER: 1.25"

SWL: 6.70

SLUG DIMENSIONS: Length =12"; Diameter = 0.5"

TIME SLUG IN: 11:29:55

TIME SLUG OUT: 12:35:40

TIME	WATER LEVEL	TIME	WATER LEVEL	TIME	WATER LEVEL	TIME	WATER LEVEL
SLUG IN	6.48	5:30	6.60	***SLUG OUT***	6.91	6:00	6.77
00:10	6.49	6:00	6.61	00:10	6.90	6:30	6.76
00:20	6.50	6:30	6.61	00:20	6.89	7:00	6.76
00:30	6.51	7:00	6.61	00:30	6.87	7:30	6.76
00:40	6.51	7:30	6.61	00:50	6.86	8:00	6.75
00:50	6.52	8:00	6.62	1:00	6.86	9:00	6.74
1:00	6.53	9:00	6.63	1:15	6.85	10:00	6.74
1:15	6.53	10:00	6.63	1:30	6.85	11:00	6.73
1:30	6.53	11:00	6.63	1:45	6.84	12:00	6.72
1:45	6.54	12:00	6.64	2:00	6.83	13:00	6.72
2:00	6.55	13:00	6.64	2:15	6.83	14:00	6.72
2:15	6.55	14:00	6.64	2:30	6.82	15:00	6.72
2:30	6.56	15:00	6.65	2:45	6.82	17:40	6.70
2:45	6.56	17:30	6.65	3:00	6.81		
3:00	6.57	20:00	6.66	3:15	6.81		
3:15	6.57	22:30	6.67	3:30	6.80		
3:30	6.58	25:00	6.67	3:45	6.80		
3:45	6.59	30:00	6.68	4:00	6.80		
4:00	6.59	35:00	6.68	4:15	6.79		
4:15	6.59	40:00	6.68	4:30	6.79		
4:30	6.60	45:00	6.68	4:45	6.79		
4:45	6.60	55:00	6.69	5:00	6.78		
5:00	6.60	65:00	6.69	5:30	6.77		

HYDRAULIC CONDUCTIVITY TESTING DATA SHEET

14-60 CHARLOTTE STREET
ROCHESTER, NEW YORK

DATE: 2/14/01

DAY REPRESENTATIVES: Aaron Farrell / Dan Noll

WELL: MW-6

WELL DIAMETER: 2"

SWL: 7.96

SLUG DIMENSIONS: Length = 36"; Diameter = 1.5"

TIME SLUG IN: 9:35:45

TIME SLUG OUT: 10:12:30

TIME	WATER LEVEL	TIME	WATER LEVEL	TIME	WATER LEVEL	TIME	WATER LEVEL
SLUG IN	7.41	3:30	7.67	***SLUG OUT***	8.91	4:30	8.24
00:10	7.43	3:45	7.68	00:10	8.77	4:45	8.23
00:15	7.44	4:00	7.69	00:15	8.72	5:00	8.22
00:20	7.45	4:30	7.70	00:20	8.69	5:30	8.21
00:25	7.46	5:00	7.71	00:30	8.66	6:00	8.19
00:30	7.47	5:30	7.72	00:40	8.63	6:30	8.17
00:35	7.49	6:00	7.72	00:50	8.59	7:00	8.15
00:40	7.50	6:30	7.73	1:00	8.58	7:30	8.14
00:45	7.51	7:00	7.74	1:10	8.51	8:00	8.13
00:50	7.56	7:30	7.75	1:20	8.49	9:00	8.11
00:55	7.57	8:00	7.76	1:30	8.47	10:00	8.10
1:00	7.58	9:00	7.77	1:40	8.45	12:30	8.06
1:10	7.59	10:00	7.78	1:50	8.43	15:00	8.02
1:20	7.59	12:30	7.81	2:00	8.40	20:00	8.01
1:30	7.59	15:00	7.83	2:15	8.37	25:00	7.98
1:40	7.59	17:30	7.84	2:30	8.36	28:15	7.96
1:50	7.60	20:00	7.85	2:45	8.34		
2:00	7.61	25:00	7.87	3:00	8.32		
2:15	7.62	30:00	7.88	3:15	8.31		
2:30	7.63	35:00	7.89	3:30	8.29		
2:45	7.64			3:45	8.27		
3:00	7.65			4:00	8.26		
3:15	7.66			4:15	8.25		

HYDRAULIC CONDUCTIVITY TESTING DATA SHEET

14-60 CHARLOTTE STREET
ROCHESTER, NEW YORK

DATE: 2/7/01

DAY REPRESENTATIVES: Aaron Farrell / Joe Dorety

WELL: MW-8

WELL DIAMETER: 2"

SWL: 8.11

SLUG DIMENSIONS: Length = 36"; Diameter =1.5"

TIME SLUG IN: 14:23:00

TIME SLUG OUT: 14:42:05

TIME	WATER LEVEL	TIME	WATER LEVEL	TIME	WATER LEVEL	TIME	WATER LEVEL
SLUG IN	6.65	4:30	8.05	*SLUG OUT*	8.91	5:30	8.15
00:15	7.88	4:45	8.05	00:10	8.82	6:00	8.14
00:20	7.90	5:00	8.06	00:20	8.68	6:30	8.14
00:25	7.93	5:30	8.06	00:30	8.58	7:00	8.14
00:35	7.95	6:30	8.07	00:40	8.48	8:00	8.13
00:45	7.96	7:00	8.07	00:50	8.42	9:00	8.13
00:55	7.97	7:30	8.07	1:00	8.39	10:00	8.13
1:00	7.98	8:00	8.07	1:15	8.35	11:00	8.13
1:10	7.99	9:00	8.08	1:30	8.32	12:00	8.12
1:20	8.00	10:00	8.08	1:45	8.29	13:00	8.12
1:30	8.00	11:00	8.09	2:00	8.26	14:00	8.12
1:40	8.01	12:00	8.09	2:15	8.23	15:00	8.12
1:50	8.01	13:00	8.10	2:30	8.21	16:00	8.12
2:00	8.02	14:00	8.10	2:45	8.20	17:00	8.12
2:15	8.03	15:00	8.10	3:00	8.18	17:50	8.11
2:30	8.03	16:00	8.10	3:15	8.17		
2:45	8.03	17:00	8.10	3:30	8.16		
3:00	8.04	18:00	8.11	3:45	8.16		
3:15	8.04			4:00	8.16		
3:30	8.04			4:15	8.15		
3:45	8.05			4:30	8.15		
4:00	8.05			4:45	8.15		
4:15	8.05			5:00	8.15		

HYDRAULIC CONDUCTIVITY TESTING DATA SHEET

14-60 CHARLOTTE STREET
ROCHESTER, NEW YORK

DATE: 2/7/01

DAY REPRESENTATIVES: Aaron Farrell / Joe Dorety

WELL: MW-9

WELL DIAMETER: 2"

SWL: 7.38

SLUG DIMENSIONS: Length = 36"; Diameter = 1.5"

TIME SLUG IN: 14:01:10

TIME SLUG OUT: 14:10:15

TIME	WATER LEVEL	TIME	WATER LEVEL	TIME	WATER LEVEL	TIME	WATER LEVEL
SLUG IN	7.42	3:15	7.37	***SLUG OUT***	6.66		
00:05	7.35	3:30	7.37	00:05	6.84		
00:10	7.35	3:45	7.37	00:30	7.39		
00:15	7.36	4:00	7.37	00:45	7.39		
00:20	7.37	4:15	7.37	00:57	7.38		
00:25	7.37	4:30	7.37				
00:30	7.37	4:45	7.37				
00:35	7.37	5:00	7.37				
00:40	7.37	5:15	7.37				
00:45	7.37	5:30	7.37				
00:50	7.37	5:45	7.37				
00:55	7.37	6:00	7.37				
1:00	7.37	6:30	7.37				
1:10	7.37	7:00	7.37				
1:20	7.37	7:30	7.38				
1:30	7.37						
1:40	7.37						
1:50	7.36						
2:00	7.36						
2:15	7.36						
2:30	7.37						
2:45	7.37						
3:00	7.37						

HYDRAULIC CONDUCTIVITY TESTING DATA SHEET

14-60 CHARLOTTE STREET
ROCHESTER, NEW YORK

DATE: 2/7/01

DAY REPRESENTATIVES: Aaron Farrell / Joe Dorety

WELL: MW-10

WELL DIAMETER: 2"

SWL: 7.60

SLUG DIMENSIONS: Length = 36"; Diameter = 1.5"

TIME SLUG IN: 13:19:10

TIME SLUG OUT: 13:10:30

TIME	WATER LEVEL	TIME	WATER LEVEL	TIME	WATER LEVEL	TIME	WATER LEVEL
SLUG IN	8.14			*SLUG OUT*	7.73		
00:05	8.01			00:10	7.67		
00:10	7.54			00:20	7.64		
00:50	7.57			00:30	7.63		
1:10	7.58			00:40	7.63		
1:20	7.59			00:50	7.62		
1:35	7.59			1:00	7.62		
1:45	7.59			1:15	7.61		
2:00	7.60			1:30	7.61		
				1:45	7.61		
				2:15	7.61		
				2:30	7.61		
				2:45	7.61		
				3:00	7.61		
				3:15	7.61		
				3:30	7.61		
				3:45	7.61		
				4:00	7.61		
				4:15	7.60		

HYDRAULIC CONDUCTIVITY TESTING DATA SHEET

14-60 CHARLOTTE STREET
ROCHESTER, NEW YORK

DATE: 2/7/01

DAY REPRESENTATIVES: Aaron Farrell / Joe Dorety

WELL: MW-12

WELL DIAMETER: 2"

SWL: 7.43

SLUG DIMENSIONS: Length = 36"; Diameter = 1.5"

TIME SLUG IN: 15:18:30

TIME SLUG OUT: 16:07:10

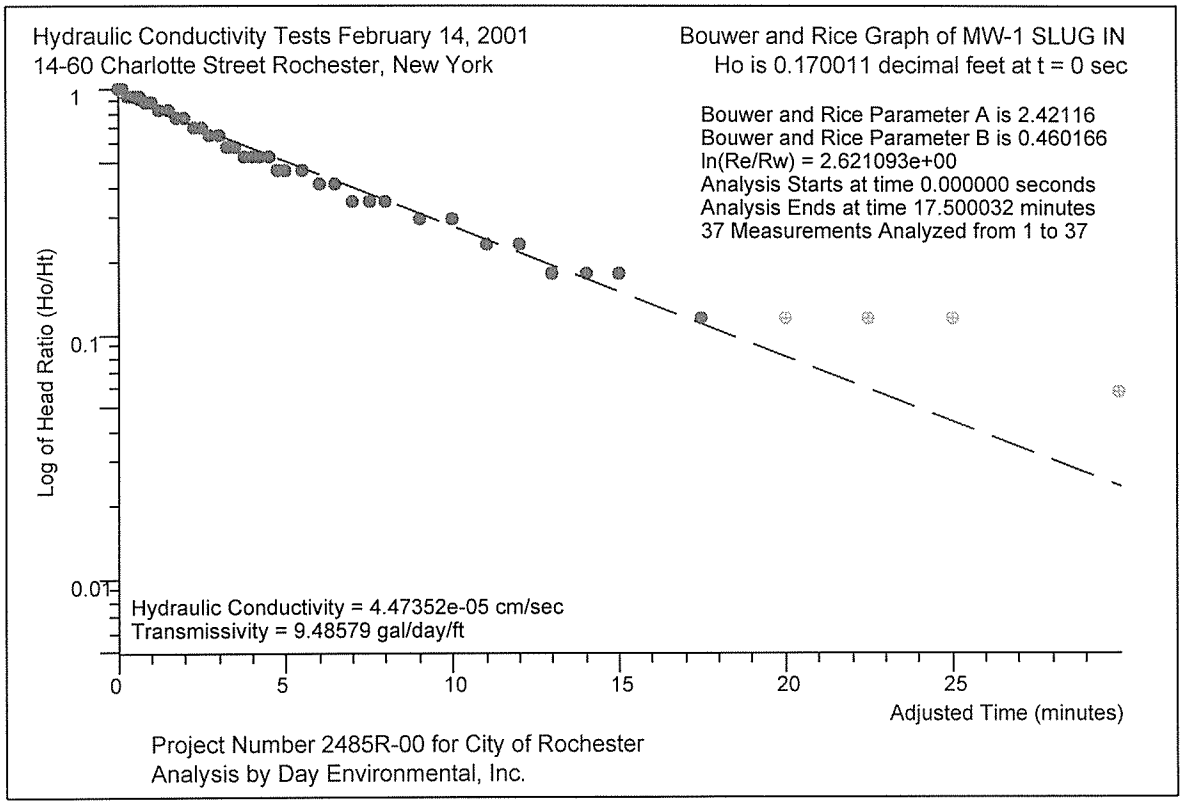
TIME	WATER LEVEL	TIME	WATER LEVEL	TIME	WATER LEVEL	TIME	WATER LEVEL
SLUG IN	6.97	5:30	7.30	*SLUG OUT*	7.97	6:00	7.50
00:05	7.04	6:00	7.31	00:10	7.71	7:00	7.50
00:10	7.07	6:30	7.31	00:15	7.61	8:00	7.49
00:15	7.09	7:00	7.32	00:20	7.58	9:00	7.49
00:20	7.10	7:30	7.33	00:35	7.55	14:00	7.48
00:30	7.12	8:00	7.33	00:40	7.55	19:00	7.48
00:40	7.14	9:00	7.34	00:50	7.54		
00:50	7.15	10:00	7.35	1:00	7.54		
1:00	7.17	11:00	7.36	1:15	7.53		
1:15	7.18	12:00	7.36	1:30	7.53		
1:30	7.19	13:00	7.36	1:45	7.52		
1:45	7.21	14:00	7.36	2:00	7.52		
2:00	7.22	15:00	7.36	2:15	7.52		
2:15	7.23	17:30	7.37	2:30	7.52		
2:30	7.24	20:00	7.37	2:45	7.52		
2:45	7.24	22:30	7.38	3:00	7.52		
3:00	7.25	25:00	7.38	3:15	7.52		
3:15	7.26	30:00	7.38	3:30	7.51		
3:30	7.26	35:00	7.39	3:45	7.51		
3:45	7.27	45:00	7.39	4:00	7.51		
4:00	7.28			4:30	7.51		
4:30	7.28			5:00	7.51		
5:00	7.29			5:30	7.50		

SuperSlug Output Sheets

Data from file:	C:\SUPERSLU\14-16C~1\MW-1IN.SLG
Title:	Hydraulic Conductivity Tests
Site Name:	14-60 Charlotte Street
Location:	Rochester, New York
Client:	City of Rochester
Project Number:	2485R-00
Test Date:	February 14, 2001
Well Number:	MW-1 SLUG IN
Casing Radius:	0.625 inches
Effective Well Radius:	0.830002 inches
Aquifer Thickness:	10 feet
Water Table to Screen Bottom:	2.2 feet
Screen Length:	5 feet
Static Water Level:	6.98 decimal feet

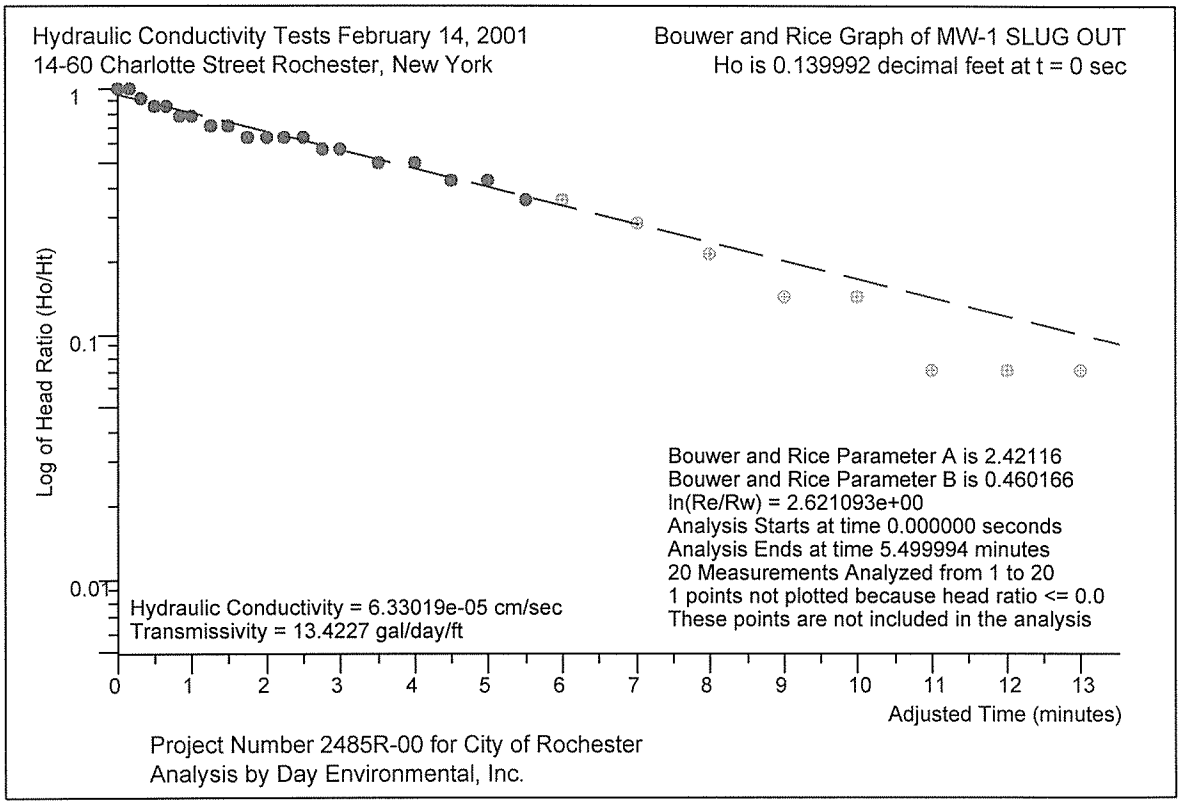
K ratio is not entered
There are 41 time and drawdown measurements
Tests starts with trial 1
Time values will be adjusted by 0 days (0.000000 seconds)

Trial	Time (seconds)	Adjusted Time (seconds)	Drawdown (decimal feet)	Head (decimal feet)	Head Ratio
1	0	0	6.80999	0.170011	1
2	10	10	6.80999	0.170011	1
3	20	20	6.82	0.160005	0.941145
4	30	30	6.82	0.160005	0.941145
5	40	40	6.82	0.160005	0.941145
6	50	50	6.83	0.149999	0.882286
7	60	60	6.83	0.149999	0.882286
8	75	75	6.84001	0.139992	0.823427
9	90.0003	90.0003	6.84001	0.139992	0.823427
10	105	105	6.85002	0.129986	0.764572
11	120	120	6.85002	0.129986	0.764572
12	135	135	6.85999	0.120012	0.705906
13	150	150	6.85999	0.120012	0.705906
14	165	165	6.87	0.110005	0.647047
15	180	180	6.87	0.110005	0.647047
16	195	195	6.88	0.0999993	0.588192
17	210	210	6.88	0.0999993	0.588192
18	225	225	6.89001	0.0899925	0.529333
19	240	240	6.89001	0.0899925	0.529333
20	255	255	6.89001	0.0899925	0.529333
21	270	270	6.89001	0.0899925	0.529333
22	285	285	6.90001	0.0799866	0.470478
23	300	300	6.90001	0.0799866	0.470478
24	330	330	6.90001	0.0799866	0.470478
25	360	360	6.90999	0.0700127	0.411812
26	390	390	6.90999	0.0700127	0.411812
27	420	420	6.91999	0.060006	0.352953
28	450	450	6.91999	0.060006	0.352953
29	480	480	6.91999	0.060006	0.352953
30	540	540	6.93	0.05	0.294098
31	600	600	6.93	0.05	0.294098
32	660	660	6.94001	0.0399933	0.235239
33	720	720	6.94001	0.0399933	0.235239
34	780	780	6.95001	0.0299866	0.17638
35	840	840	6.95001	0.0299866	0.17638
36	900.003	900.003	6.95001	0.0299866	0.17638
37	1050	1050	6.95999	0.0200135	0.117719
38	1200	1200	6.95999	0.0200135	0.117719
39	1350	1350	6.95999	0.0200135	0.117719
40	1500	1500	6.95999	0.0200135	0.117719
41	1800	1800	6.96999	0.0100067	0.0588593


Hydraulic Conductivity Tests February 14, 2001
14-60 Charlotte Street Rochester, New York
Bouwer and Rice Graph of MW-1 SLUG IN
Ho is 0.170011 decimal feet at t = 0 sec
Bouwer and Rice Parameter A is 2.42116
Bouwer and Rice Parameter B is 0.460166
ln(Re/Rw) = 2.621093e+00
Analysis Starts at time 0.000000 seconds
Analysis Ends at time 17.500032 minutes
37 Measurements Analyzed from 1 to 37
Log of Head Ratio (Ho/Ht)
1
0.1
0.01
Hydraulic Conductivity = 4.47352e-05 cm/sec
Transmissivity = 9.48579 gal/day/ft
0
5
10
15
20
25
Adjusted Time (minutes)
Project Number 2485R-00 for City of Rochester
Analysis by Day Environmental, Inc.

Data from file: C:\SUPERSLU\14-16C~1\MW-1OUT.SLG
Title: Hydraulic Conductivity Tests
Site Name: 14-60 Charlotte Street
Location: Rochester, New York
Client: City of Rochester
Project Number: 2485R-00
Test Date: February 14, 2001
Well Number: MW-1 SLUG OUT
Casing Radius: 0.625 inches
Effective Well Radius: 0.830002 inches
Aquifer Thickness: 10 feet
Water Table to Screen Bottom: 2.2 feet
Screen Length: 5 feet
Static Water Level: 6.98 decimal feet
K ratio is not entered
There are 29 time and drawdown measurements
Tests starts with trial 1
Time values will be adjusted by 0 days (0.000000 seconds)

Trial	Time (seconds)	Adjusted Time (seconds)	Drawdown (decimal feet)	Head (decimal feet)	Head Ratio
1	0	0	7.11999	0.139992	1
2	10	10	7.11999	0.139992	1
3	20	20	7.10999	0.129985	0.928519
4	30	30	7.10001	0.120011	0.857273
5	40	40	7.10001	0.120011	0.857273
6	50	50	7.09001	0.110005	0.785798
7	60	60	7.09001	0.110005	0.785798
8	75	75	7.08	0.0999985	0.714317
9	90.0003	90.0003	7.08	0.0999985	0.714317
10	105	105	7.06999	0.0899918	0.642836
11	120	120	7.06999	0.0899918	0.642836
12	135	135	7.06999	0.0899918	0.642836
13	150	150	7.06999	0.0899918	0.642836
14	165	165	7.05999	0.0799858	0.571361
15	180	180	7.05999	0.0799858	0.571361
16	210	210	7.05001	0.0700119	0.500115
17	240	240	7.05001	0.0700119	0.500115
18	270	270	7.04001	0.0600052	0.428634
19	300	300	7.04001	0.0600052	0.428634
20	330	330	7.03	0.0499992	0.357158
21	360	360	7.03	0.0499992	0.357158
22	420	420	7.01999	0.0399925	0.285678
23	480	480	7.00999	0.0299866	0.214202
24	540	540	7.00001	0.0200127	0.142956
25	600	600	7.00001	0.0200127	0.142956
26	660	660	6.99001	0.0100059	0.0714753
27	720	720	6.99001	0.0100059	0.0714753
28	780	780	6.99001	0.0100059	0.0714753
29	810	810	6.98	0	0


Hydraulic Conductivity Tests February 14, 2001
14-60 Charlotte Street Rochester, New York
Bouwer and Rice Graph of MW-1 SLUG OUT
Ho is 0.139992 decimal feet at t = 0 sec
Log of Head Ratio (Ho/Ht)
1
0.1
0.01
Bouwer and Rice Parameter A is 2.42116
Bouwer and Rice Parameter B is 0.460166
ln(Re/Rw) = 2.621093e+00
Analysis Starts at time 0.000000 seconds
Analysis Ends at time 5.499994 minutes
20 Measurements Analyzed from 1 to 20
1 points not plotted because head ratio <= 0.0
These points are not included in the analysis
Hydraulic Conductivity = 6.33019e-05 cm/sec
Transmissivity = 13.4227 gal/day/ft
0
1
2
3
4
5
6
7
8
9
10
11
12
13
Adjusted Time (minutes)
Project Number 2485R-00 for City of Rochester
Analysis by Day Environmental, Inc.

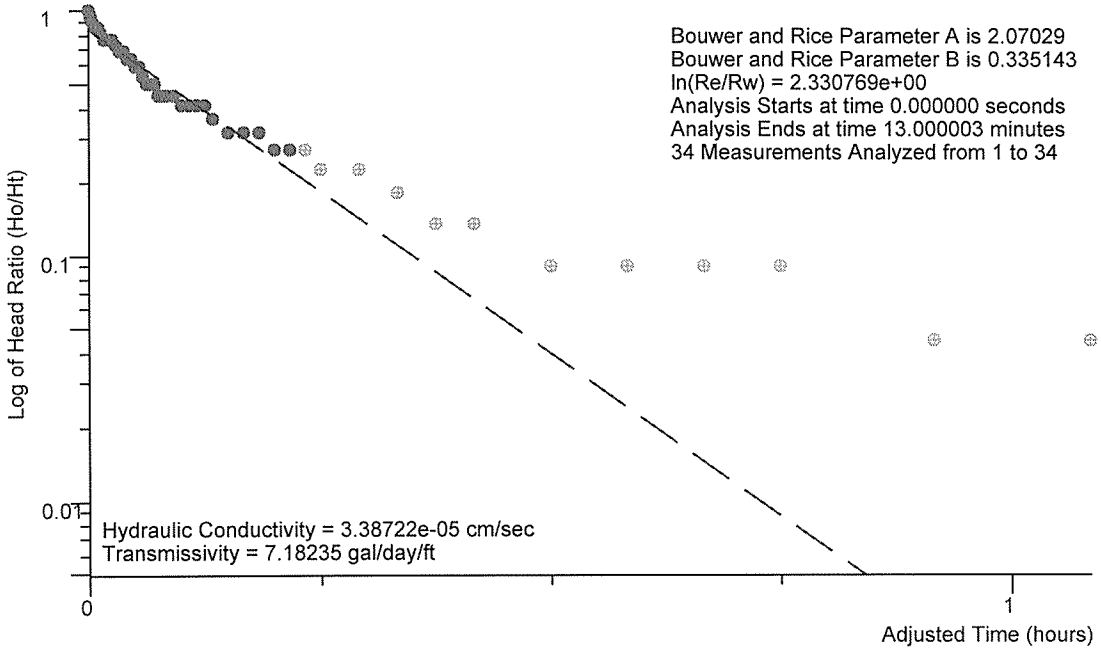
Data from file: C:\SUPERSLU\14-16C~1\MW-4IN.SLG
Title: Hydraulic Conductivity Tests
Site Name: 14-60 Charlotte Street
Location: Rochester, New York
Client: City of Rochester
Project Number: 2485R-00
Test Date: February 7, 2001
Well Number: MW-4 SLUG IN
Casing Radius: 0.625 inches
Effective Well Radius: 0.830002 inches
Aquifer Thickness: 10 feet
Water Table to Screen Bottom: 1.27 feet
Screen Length: 5 feet
Static Water Level: 6.69998 decimal feet
K ratio is not entered
There are 46 time and drawdown measurements
Tests starts with trial 1
Time values will be adjusted by 0 days (0.000000 seconds)

Trial	Time (seconds)	Adjusted Time (seconds)	Drawdown (decimal feet)	Head (decimal feet)	Head Ratio
1	0	0	6.48001	0.219978	1
2	10	10	6.49001	0.209971	0.95451
3	20	20	6.49999	0.199998	0.909172
4	30	30	6.50999	0.189991	0.863684
5	40	40	6.50999	0.189991	0.863684
6	50	50	6.52	0.179985	0.818196
7	60	60	6.53001	0.169978	0.772706
8	75	75	6.53001	0.169978	0.772706
9	90.0003	90.0003	6.53001	0.169978	0.772706
10	105	105	6.54001	0.159972	0.727218
11	120	120	6.54999	0.149999	0.68188
12	135	135	6.54999	0.149999	0.68188
13	150	150	6.55999	0.139992	0.63639
14	165	165	6.55999	0.139992	0.63639
15	180	180	6.57	0.129986	0.590904
16	195	195	6.57	0.129986	0.590904
17	210	210	6.58001	0.119979	0.545414
18	225	225	6.59001	0.109972	0.499924
19	240	240	6.59001	0.109972	0.499924
20	255	255	6.59001	0.109972	0.499924
21	270	270	6.59999	0.0999993	0.454588
22	285	285	6.59999	0.0999993	0.454588
23	300	300	6.59999	0.0999993	0.454588
24	330	330	6.59999	0.0999993	0.454588
25	360	360	6.60999	0.0899925	0.409098
26	390	390	6.60999	0.0899925	0.409098
27	420	420	6.60999	0.0899925	0.409098
28	450	450	6.60999	0.0899925	0.409098
29	480	480	6.62	0.0799858	0.363608
30	540	540	6.63	0.0699799	0.318122
31	600	600	6.63	0.0699799	0.318122
32	660	660	6.63	0.0699799	0.318122
33	720	720	6.64001	0.0599731	0.272632
34	780	780	6.64001	0.0599731	0.272632
35	840	840	6.64001	0.0599731	0.272632
36	900.003	900.003	6.64999	0.0499992	0.227292
37	1050	1050	6.64999	0.0499992	0.227292
38	1200	1200	6.65999	0.0399933	0.181806
39	1350	1350	6.67	0.0299866	0.136316
40	1500	1500	6.67	0.0299866	0.136316
41	1800	1800	6.68	0.0199806	0.0908301
42	2100	2100	6.68	0.0199806	0.0908301
43	2400	2400	6.68	0.0199806	0.0908301

Trial	Time (seconds)	Adjusted Time (seconds)	Drawdown (decimal feet)	Head (decimal feet)	Head Ratio
44	2700	2700	6.68	0.0199806	0.0908301
45	3300	3300	6.69001	0.00997388	0.0453404
46	3900	3900	6.69001	0.00997388	0.0453404

Hydraulic Conductivity Tests February 7, 2001
14-60 Charlotte Street Rochester, New York

Bouwer and Rice Graph of MW-4 SLUG IN
Ho is 0.219978 decimal feet at t = 0 sec



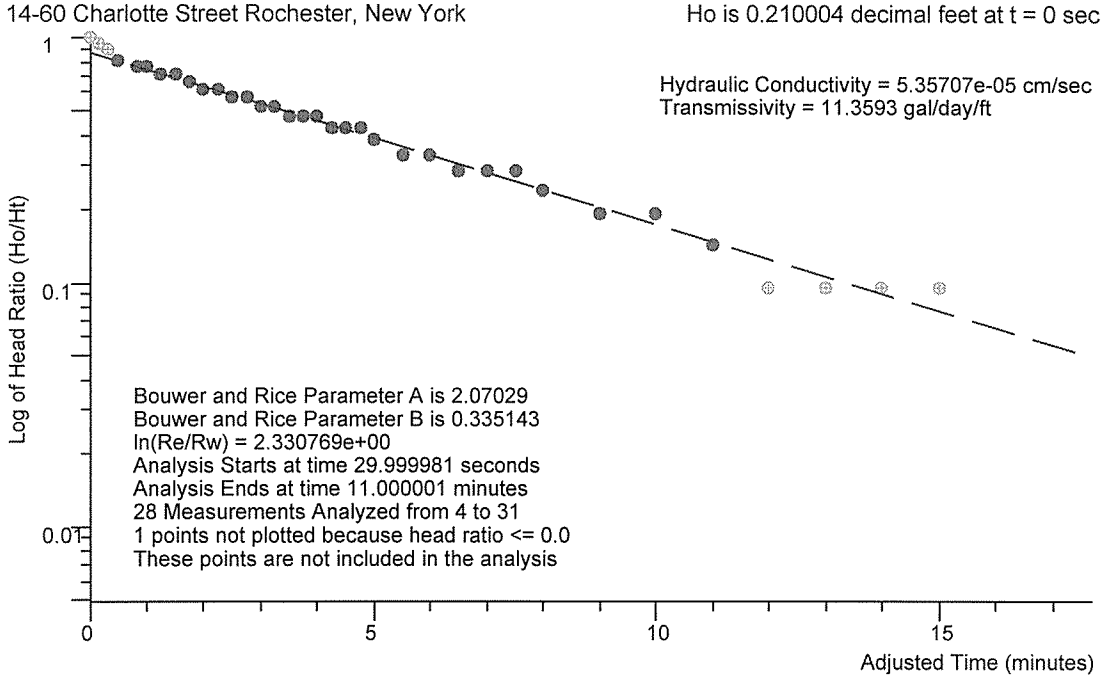
Project Number 2485R-00 for City of Rochester
Analysis by Day Environmental, Inc.

Data from file: C:\SUPERSLU\14-16C~1\MW-4OUT.SLG
Title: Hydraulic Conductivity Tests
Site Name: 14-60 Charlotte Street
Location: Rochester, New York
Client: City of Rochester
Project Number: 2485R-00
Test Date: February 7, 2001
Well Number: MW-4 SLUG OUT
Casing Radius: 0.625 inches
Effective Well Radius: 0.830002 inches
Aquifer Thickness: 10 feet
Water Table to Screen Bottom: 1.27 feet
Screen Length: 5 feet
Static Water Level: 6.69998 decimal feet
K ratio is not entered
There are 36 time and drawdown measurements
Tests starts with trial 1
Time values will be adjusted by 0 days (0.000000 seconds)

Trial	Time (seconds)	Adjusted Time (seconds)	Drawdown (decimal feet)	Head (decimal feet)	Head Ratio
1	0	0	6.90999	0.210004	1
2	10	10	6.90001	0.20003	0.952506
3	20	20	6.89001	0.190024	0.90486
4	30	30	6.87	0.170011	0.809563
5	50	50	6.85999	0.160004	0.761913
6	60	60	6.85999	0.160004	0.761913
7	75	75	6.85002	0.150031	0.714419
8	90.0003	90.0003	6.85002	0.150031	0.714419
9	105	105	6.84001	0.140025	0.666772
10	120	120	6.83	0.130018	0.619122
11	135	135	6.83	0.130018	0.619122
12	150	150	6.82	0.120011	0.571472
13	165	165	6.82	0.120011	0.571472
14	180	180	6.80999	0.110005	0.523825
15	195	195	6.80999	0.110005	0.523825
16	210	210	6.80002	0.100031	0.476331
17	225	225	6.80002	0.100031	0.476331
18	240	240	6.80002	0.100031	0.476331
19	255	255	6.79001	0.0900246	0.428681
20	270	270	6.79001	0.0900246	0.428681
21	285	285	6.79001	0.0900246	0.428681
22	300	300	6.78	0.0800187	0.381035
23	330	330	6.77	0.0700119	0.333384
24	360	360	6.77	0.0700119	0.333384
25	390	390	6.75999	0.060006	0.285738
26	420	420	6.75999	0.060006	0.285738
27	450	450	6.75999	0.060006	0.285738
28	480	480	6.75002	0.0500321	0.238244
29	540	540	6.74001	0.0400254	0.190594
30	600	600	6.74001	0.0400254	0.190594
31	660	660	6.73	0.0300194	0.142947
32	720	720	6.72	0.0200127	0.0952968
33	780	780	6.72	0.0200127	0.0952968
34	840	840	6.72	0.0200127	0.0952968
35	900.003	900.003	6.72	0.0200127	0.0952968
36	1060	1060	6.69998	0	0

Hydraulic Conductivity Tests February 7, 2001
14-60 Charlotte Street Rochester, New York

Bouwer and Rice Graph of MW-4 SLUG OUT
Ho is 0.210004 decimal feet at t = 0 sec



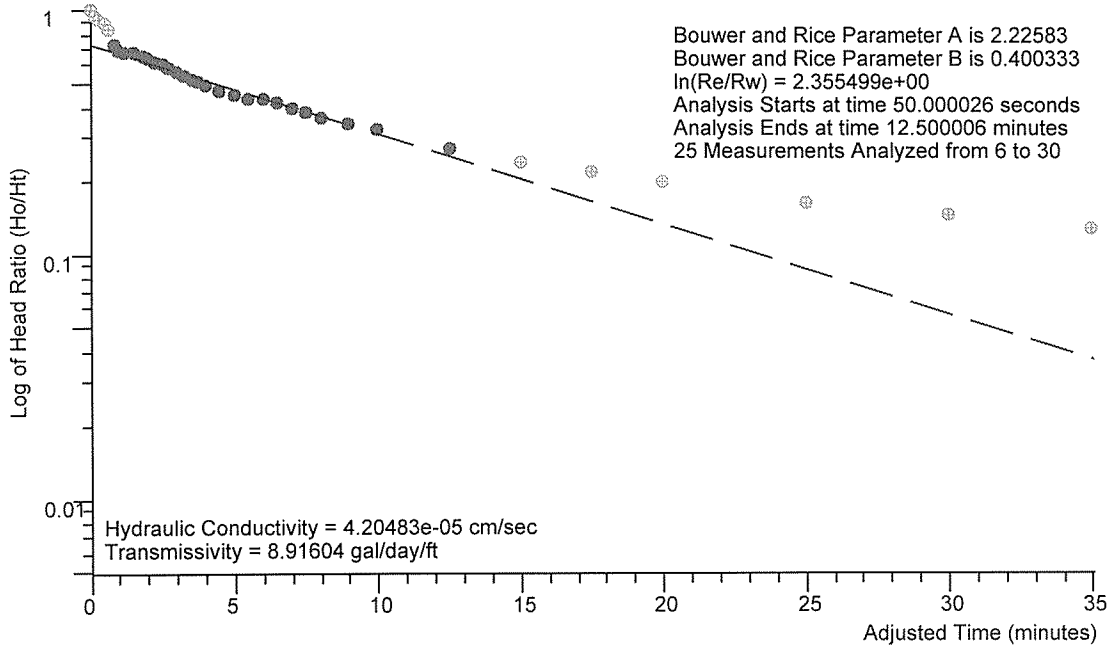
Project Number 2485R-00 for City of Rochester
Analysis by Day Environmental, Inc.

Data from file: C:\SUPERSLU\14-16C~1\MW-6IN.SLG
Title: Hydraulic Conductivity Tests
Site Name: 14-60 Charlotte Street
Location: Rochester, New York
Client: City of Rochester
Project Number: 2485R-00
Test Date: February 14, 2001
Well Number: MW-6 SLUG IN
Casing Radius: 1 inches
Effective Well Radius: 2.5 inches
Aquifer Thickness: 10 feet
Water Table to Screen Bottom: 5.11001 feet
Screen Length: 8.99999 feet
Static Water Level: 7.96001 decimal feet
K ratio is not entered
There are 36 time and drawdown measurements
Tests starts with trial 1
Time values will be adjusted by 0 days (0.000000 seconds)

Trial	Time (seconds)	Adjusted Time (seconds)	Drawdown (decimal feet)	Head (decimal feet)	Head Ratio
1	0	0	7.41002	0.549993	1
2	10	10	7.42999	0.530013	0.963673
3	20	20	7.45001	0.51	0.927284
4	30	30	7.46999	0.49002	0.890957
5	40	40	7.50001	0.460001	0.836375
6	50	50	7.56001	0.399995	0.727272
7	60	60	7.57999	0.380015	0.690945
8	70	70	7.59	0.370008	0.67275
9	90.0003	90.0003	7.59	0.370008	0.67275
10	110	110	7.60001	0.360002	0.654558
11	120	120	7.61001	0.349995	0.636363
12	135	135	7.61999	0.340022	0.61823
13	150	150	7.62999	0.330016	0.600036
14	165	165	7.64	0.320009	0.581842
15	180	180	7.65001	0.310003	0.563649
16	195	195	7.66001	0.299996	0.545454
17	210	210	7.66999	0.290022	0.52732
18	225	225	7.67999	0.280016	0.509127
19	240	240	7.69	0.27001	0.490933
20	270	270	7.70001	0.260003	0.472738
21	300	300	7.71001	0.249997	0.454546
22	330	330	7.71999	0.240023	0.436411
23	360	360	7.71999	0.240023	0.436411
24	390	390	7.72999	0.230017	0.418218
25	420	420	7.74	0.22001	0.400024
26	450	450	7.75	0.210004	0.38183
27	480	480	7.76001	0.199998	0.363637
28	540	540	7.76998	0.190024	0.345502
29	600	600	7.77999	0.180017	0.327308
30	750	750	7.81001	0.149998	0.272726
31	900.003	900.003	7.82999	0.130018	0.236399
32	1050	1050	7.84	0.120012	0.218206
33	1200	1200	7.85	0.110005	0.200012
34	1500	1500	7.87002	0.0899925	0.163625
35	1800	1800	7.87999	0.0800187	0.14549
36	2100	2100	7.89	0.0700119	0.127296

Hydraulic Conductivity Tests February 14, 2001
14-60 Charlotte Street Rochester, New York

Bouwer and Rice Graph of MW-6 SLUG IN
Ho is 0.549993 decimal feet at t = 0 sec



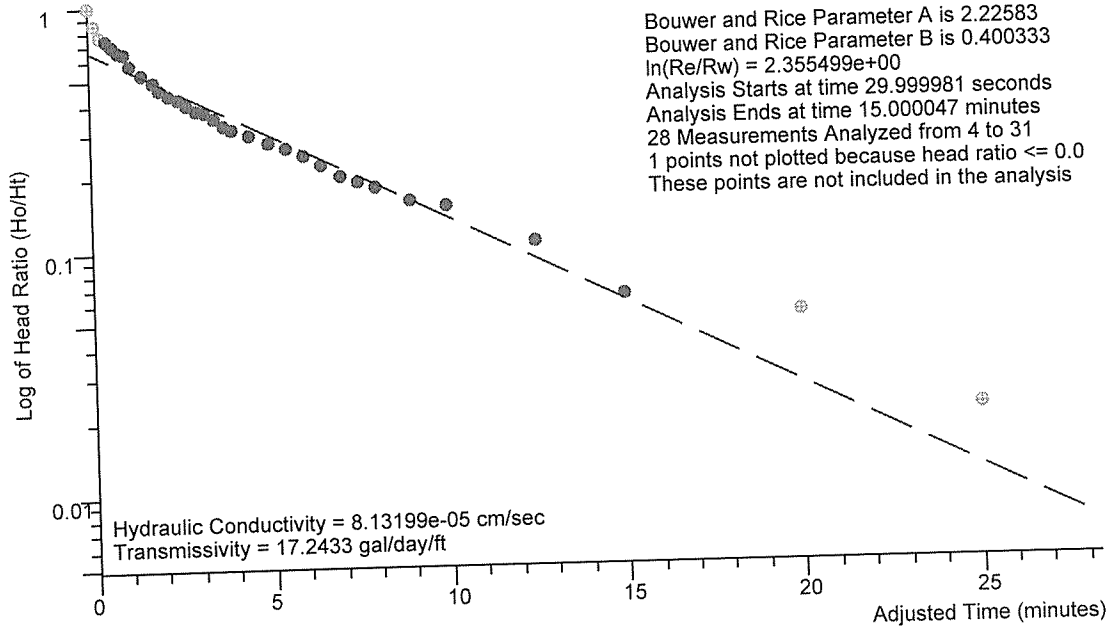
Project Number 2485R-00 for City of Rochester
Analysis by Day Environmental, Inc.

Data from file: C:\SUPERSLU\14-16C~1\MW-6OUT.SLG
Title: Hydraulic Conductivity Tests
Site Name: 14-60 Charlotte Street
Location: Rochester, New York
Client: City of Rochester
Project Number: 2485R-00
Test Date: February 14, 2001
Well Number: MW-6 SLUG OUT
Casing Radius: 1 inches
Effective Well Radius: 2.5 inches
Aquifer Thickness: 10 feet
Water Table to Screen Bottom: 5.11001 feet
Screen Length: 8.99999 feet
Static Water Level: 7.96001 decimal feet
K ratio is not entered
There are 34 time and drawdown measurements
Tests starts with trial 1
Time values will be adjusted by 0 days (0.000000 seconds)

Trial	Time (seconds)	Adjusted Time (seconds)	Drawdown (decimal feet)	Head (decimal feet)	Head Ratio
1	0	0	8.91	0.949989	1
2	10	10	8.77001	0.809997	0.852638
3	20	20	8.68999	0.729978	0.768407
4	30	30	8.66	0.699992	0.736842
5	40	40	8.63001	0.670005	0.705277
6	50	50	8.58999	0.629979	0.663144
7	60	60	8.58001	0.620006	0.652646
8	70	70	8.51	0.549993	0.578947
9	90.0003	90.0003	8.47001	0.510001	0.536849
10	110	110	8.43002	0.470007	0.494751
11	120	120	8.4	0.439988	0.463151
12	135	135	8.37001	0.410001	0.431586
13	150	150	8.36	0.399996	0.421053
14	165	165	8.33999	0.379982	0.399986
15	180	180	8.32001	0.360002	0.378954
16	195	195	8.31	0.349995	0.368421
17	210	210	8.28999	0.329983	0.347354
18	225	225	8.27001	0.310003	0.326323
19	240	240	8.26	0.299996	0.315789
20	270	270	8.23999	0.279984	0.294723
21	300	300	8.22001	0.260004	0.273691
22	330	330	8.21001	0.249997	0.263158
23	360	360	8.18999	0.229984	0.242092
24	390	390	8.17001	0.210004	0.22106
25	420	420	8.15	0.189991	0.199993
26	450	450	8.13999	0.179985	0.18946
27	480	480	8.12999	0.169978	0.178927
28	540	540	8.11001	0.149999	0.157895
29	600	600	8.1	0.139992	0.147362
30	750	750	8.06001	0.0999993	0.105264
31	900.003	900.003	8.02001	0.060006	0.0631649
32	1200	1200	8.01001	0.0499992	0.0526314
33	1500	1500	7.97999	0.0199798	0.0210316
34	1695	1695	7.96001	0	0

Hydraulic Conductivity Tests February 14, 2001
14-60 Charlotte Street Rochester, New York

Bouwer and Rice Graph of MW-6 SLUG OUT
Ho is 0.949989 decimal feet at t = 0 sec



Project Number 2485R-00 for City of Rochester
Analysis by Day Environmental, Inc.

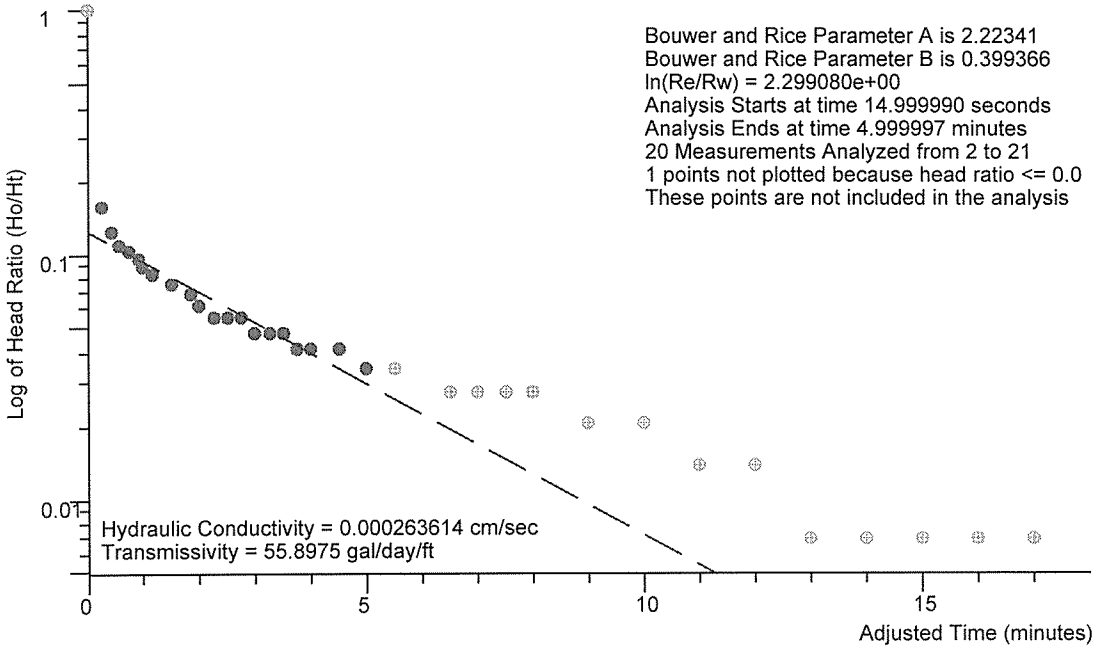
Data from file:	C:\SUPERSLU\14-16C~1\MW-8IN.SLG
Title:	Hydraulic Conductivity Tests
Site Name:	14-60 Charlotte Street
Location:	Rochester, New York
Client:	City of Rochester
Project Number:	2485R-00
Test Date:	February 7, 2001
Well Number:	MW-8 SLUG IN
Casing Radius:	1 inches
Effective Well Radius:	2.5 inches
Aquifer Thickness:	10 feet
Water Table to Screen Bottom:	5.09 feet
Screen Length:	8 feet
Static Water Level:	8.11001 decimal feet

K ratio is not entered
There are 36 time and drawdown measurements
Tests starts with trial 1
Time values will be adjusted by 0 days (0.000000 seconds)

Trial	Time (seconds)	Adjusted Time (seconds)	Drawdown (decimal feet)	Head (decimal feet)	Head Ratio
1	0	0	6.64999	1.46002	1
2	15	15	7.87999	0.230017	0.157544
3	25	25	7.92999	0.180018	0.123298
4	35	35	7.95	0.160004	0.10959
5	45	45	7.96001	0.149999	0.102737
6	55	55	7.97002	0.139992	0.0958834
7	60	60	7.97999	0.130019	0.0890526
8	70	70	7.98999	0.120012	0.0821988
9	90.0003	90.0003	8	0.110005	0.0753449
10	110	110	8.01001	0.0999993	0.0684916
11	120	120	8.02001	0.0899925	0.0616378
12	135	135	8.02999	0.0800187	0.0548065
13	150	150	8.02999	0.0800187	0.0548065
14	165	165	8.02999	0.0800187	0.0548065
15	180	180	8.03999	0.0700127	0.0479532
16	195	195	8.03999	0.0700127	0.0479532
17	210	210	8.03999	0.0700127	0.0479532
18	225	225	8.05	0.060006	0.0410994
19	240	240	8.05	0.060006	0.0410994
20	270	270	8.05	0.060006	0.0410994
21	300	300	8.06001	0.0499992	0.0342456
22	330	330	8.06001	0.0499992	0.0342456
23	390	390	8.07001	0.0399933	0.0273923
24	420	420	8.07001	0.0399933	0.0273923
25	450	450	8.07001	0.0399933	0.0273923
26	480	480	8.07001	0.0399933	0.0273923
27	540	540	8.07999	0.0300194	0.0205609
28	600	600	8.07999	0.0300194	0.0205609
29	660	660	8.08999	0.0200135	0.0137076
30	720	720	8.08999	0.0200135	0.0137076
31	780	780	8.1	0.0100067	0.00685382
32	840	840	8.1	0.0100067	0.00685382
33	900.003	900.003	8.1	0.0100067	0.00685382
34	959.999	959.999	8.1	0.0100067	0.00685382
35	1020	1020	8.1	0.0100067	0.00685382
36	1080	1080	8.11001	0	0

Hydraulic Conductivity Tests February 7, 2001
14-60 Charlotte Street Rochester, New York

Bouwer and Rice Graph of MW-8 SLUG IN
Ho is 1.46002 decimal feet at t = 0 sec



Project Number 2485R-00 for City of Rochester
Analysis by Day Environmental, Inc.

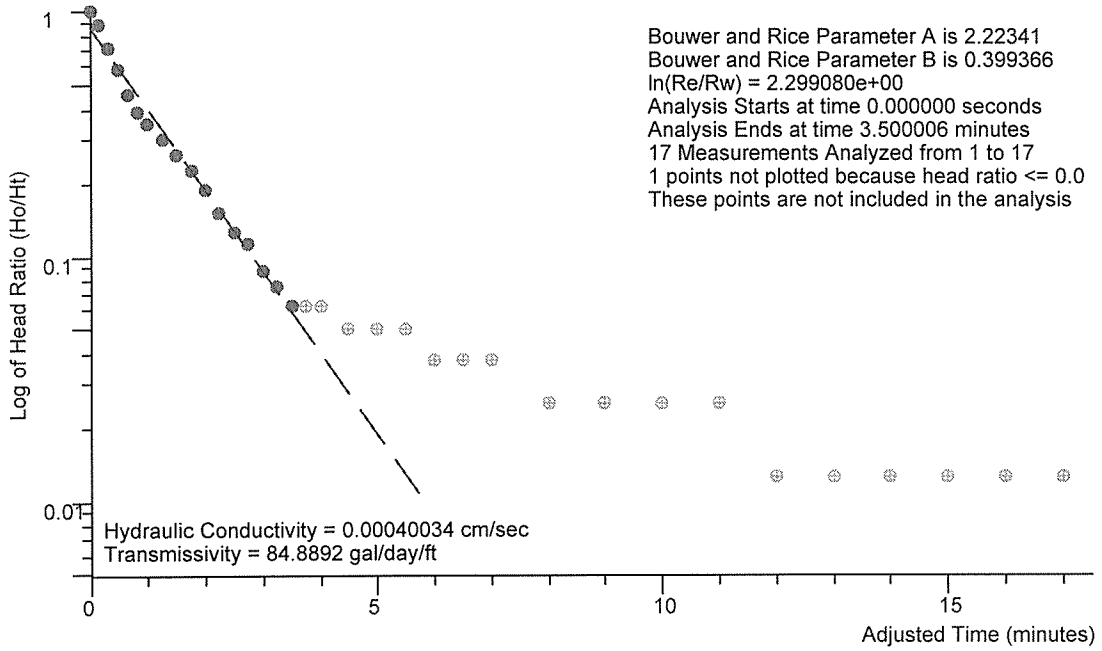
Data from file:	C:\SUPERSLU\14-16C~1\MW-8OUT.SLG
Title:	Hydraulic Conductivity Tests
Site Name:	14-60 Charlotte Street
Location:	Rochester, New York
Client:	City of Rochester
Project Number:	2485R-00
Test Date:	February 7, 2001
Well Number:	MW-8 SLUG OUT
Casing Radius:	1 inches
Effective Well Radius:	2.5 inches
Aquifer Thickness:	10 feet
Water Table to Screen Bottom:	5.09 feet
Screen Length:	8 feet
Static Water Level:	8.11001 decimal feet

K ratio is not entered
There are 36 time and drawdown measurements
Tests starts with trial 1
Time values will be adjusted by 0 days (0.000000 seconds)

Trial	Time (seconds)	Adjusted Time (seconds)	Drawdown (decimal feet)	Head (decimal feet)	Head Ratio
1	0	0	8.91	0.79999	1
2	10	10	8.82	0.709998	0.887508
3	20	20	8.68001	0.570006	0.712516
4	30	30	8.58001	0.470007	0.587516
5	40	40	8.48002	0.370008	0.462516
6	50	50	8.42001	0.310003	0.387508
7	60	60	8.38999	0.279984	0.349984
8	75	75	8.35	0.23999	0.299991
9	90.0003	90.0003	8.32001	0.210004	0.262508
10	105	105	8.28999	0.179984	0.224983
11	120	120	8.26	0.149998	0.187499
12	135	135	8.22999	0.119978	0.149975
13	150	150	8.21001	0.0999985	0.125
14	165	165	8.2	0.0899918	0.112491
15	180	180	8.17999	0.0699791	0.0874749
16	195	195	8.17001	0.060006	0.0750084
17	210	210	8.16001	0.0499992	0.0624998
18	225	225	8.16001	0.0499992	0.0624998
19	240	240	8.16001	0.0499992	0.0624998
20	270	270	8.15	0.0399925	0.0499912
21	300	300	8.15	0.0399925	0.0499912
22	330	330	8.15	0.0399925	0.0499912
23	360	360	8.13999	0.0299866	0.0374837
24	390	390	8.13999	0.0299866	0.0374837
25	420	420	8.13999	0.0299866	0.0374837
26	480	480	8.12999	0.0199798	0.0249751
27	540	540	8.12999	0.0199798	0.0249751
28	600	600	8.12999	0.0199798	0.0249751
29	660	660	8.12999	0.0199798	0.0249751
30	720	720	8.12001	0.0100059	0.0125076
31	780	780	8.12001	0.0100059	0.0125076
32	840	840	8.12001	0.0100059	0.0125076
33	900.003	900.003	8.12001	0.0100059	0.0125076
34	959.999	959.999	8.12001	0.0100059	0.0125076
35	1020	1020	8.12001	0.0100059	0.0125076
36	1050	1050	8.11001	0	0

Hydraulic Conductivity Tests February 7, 2001
14-60 Charlotte Street Rochester, New York

Bouwer and Rice Graph of MW-8 SLUG OUT
Ho is 0.79999 decimal feet at t = 0 sec



Bouwer and Rice Parameter A is 2.22341
Bouwer and Rice Parameter B is 0.399366
ln(Re/Rw) = 2.299080e+00
Analysis Starts at time 0.000000 seconds
Analysis Ends at time 3.500006 minutes
17 Measurements Analyzed from 1 to 17
1 points not plotted because head ratio <= 0.0
These points are not included in the analysis

Project Number 2485R-00 for City of Rochester
Analysis by Day Environmental, Inc.

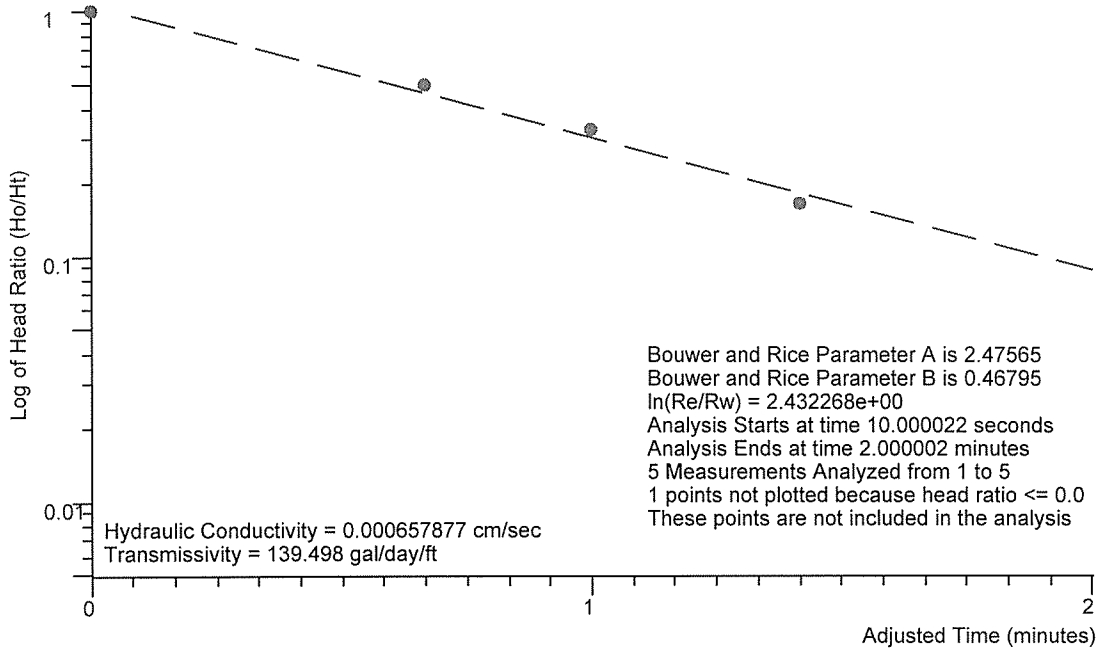
Data from file:	C:\SUPERSLU\14-16C~1\MW-10IN.SLG
Title:	Hydraulic Conductivity Tests
Site Name:	14-60 Charlotte Street
Location:	Rochester, New York
Client:	City of Rochester
Project Number:	2485R-00
Test Date:	February 7, 2001
Well Number:	MW-10 SLUG IN
Casing Radius:	1 inches
Effective Well Radius:	2.5 inches
Aquifer Thickness:	10 feet
Water Table to Screen Bottom:	6.93 feet
Screen Length:	8 feet
Static Water Level:	7.60001 decimal feet

K ratio is not entered
There are 5 time and drawdown measurements
Tests starts with trial 1
Time values will be adjusted by 0.000115741 days (10.000022 seconds)

Trial	Time (seconds)	Adjusted Time (seconds)	Drawdown (decimal feet)	Head (decimal feet)	Head Ratio
1	10	0	7.54	0.060006	1
2	50	40	7.56999	0.0300194	0.500274
3	70	60	7.57999	0.0200127	0.333511
4	95.0003	85.0002	7.59	0.0100059	0.166749
5	120	110	7.60001	0	0

Hydraulic Conductivity Tests February 7, 2001
14-60 Charlotte Street Rochester, New York

Bouwer and Rice Graph of MW-10 SLUG IN
Ho is 0.060006 decimal feet at t = 10 sec



Bouwer and Rice Parameter A is 2.47565
Bouwer and Rice Parameter B is 0.46795
ln(Re/Rw) = 2.432268e+00
Analysis Starts at time 10.000022 seconds
Analysis Ends at time 2.000002 minutes
5 Measurements Analyzed from 1 to 5
1 points not plotted because head ratio <= 0.0
These points are not included in the analysis

Hydraulic Conductivity = 0.000657877 cm/sec
Transmissivity = 139.498 gal/day/ft

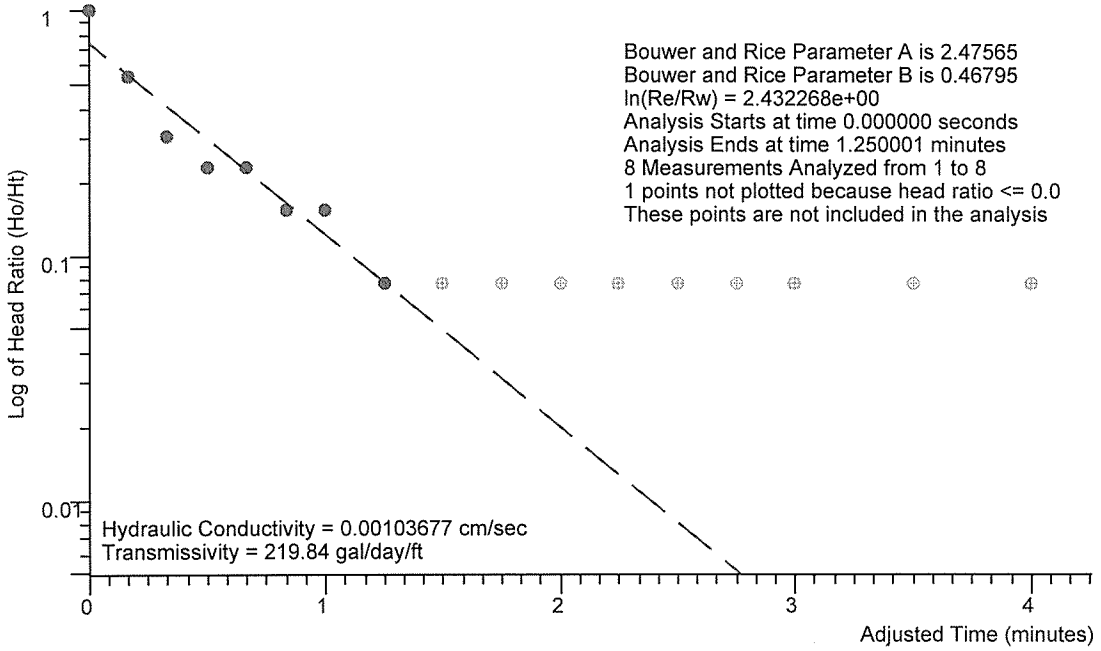
Project Number 2485R-00 for City of Rochester
Analysis by Day Environmental, Inc.

Data from file: C:\SUPERSLU\14-16C~1\MW-10OUT.SLG
Title: Hydraulic Conductivity Tests
Site Name: 14-60 Charlotte Street
Location: Rochester, New York
Client: City of Rochester
Project Number: 2485R-00
Test Date: February 7, 2001
Well Number: MW-10 SLUG OUT
Casing Radius: 1 inches
Effective Well Radius: 2.5 inches
Aquifer Thickness: 10 feet
Water Table to Screen Bottom: 6.93 feet
Screen Length: 8 feet
Static Water Level: 7.60001 decimal feet
K ratio is not entered
There are 18 time and drawdown measurements
Tests starts with trial 1
Time values will be adjusted by 0 days (0.000000 seconds)

Trial	Time (seconds)	Adjusted Time (seconds)	Drawdown (decimal feet)	Head (decimal feet)	Head Ratio
1	0	0	7.72999	0.129985	1
2	10	10	7.66999	0.0699799	0.538368
3	20	20	7.64	0.0399933	0.307676
4	30	30	7.62999	0.0299866	0.230692
5	40	40	7.62999	0.0299866	0.230692
6	50	50	7.61999	0.0199798	0.153709
7	60	60	7.61999	0.0199798	0.153709
8	75	75	7.61001	0.0100067	0.0769837
9	90.0003	90.0003	7.61001	0.0100067	0.0769837
10	105	105	7.61001	0.0100067	0.0769837
11	120	120	7.61001	0.0100067	0.0769837
12	135	135	7.61001	0.0100067	0.0769837
13	150	150	7.61001	0.0100067	0.0769837
14	165	165	7.61001	0.0100067	0.0769837
15	180	180	7.61001	0.0100067	0.0769837
16	210	210	7.61001	0.0100067	0.0769837
17	240	240	7.61001	0.0100067	0.0769837
18	255	255	7.60001	0	0

Hydraulic Conductivity Tests February 7, 2001
14-60 Charlotte Street Rochester, New York

Bouwer and Rice Graph of MW-10 SLUG OUT
Ho is 0.129985 decimal feet at t = 0 sec



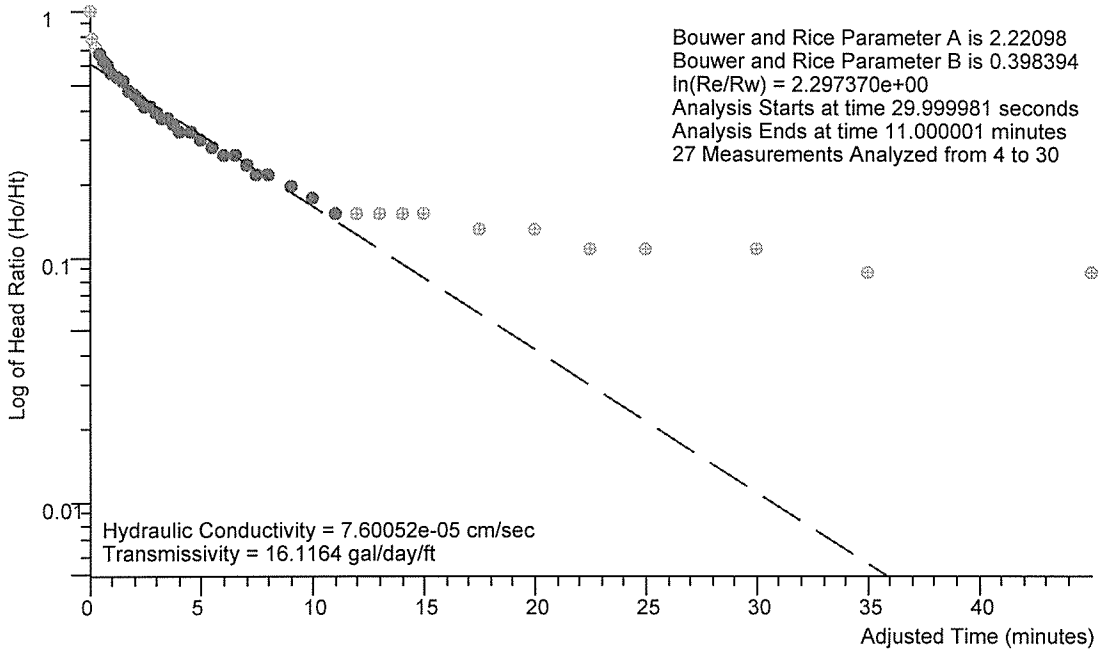
Project Number 2485R-00 for City of Rochester
Analysis by Day Environmental, Inc.

Data from file: C:\SUPERSLU\14-16C~1\MW-12IN.SLG
Title: Hydraulic Conductivity Tests
Site Name: 14-60 Charlotte Street
Location: Rochester, New York
Client: City of Rochester
Project Number: 2485R-00
Test Date: February 7, 2001
Well Number: MW-12 SLUG IN
Casing Radius: 1 inches
Effective Well Radius: 2.5 inches
Aquifer Thickness: 10 feet
Water Table to Screen Bottom: 5.06998 feet
Screen Length: 8 feet
Static Water Level: 7.42999 decimal feet
K ratio is not entered
There are 41 time and drawdown measurements
Tests starts with trial 1
Time values will be adjusted by 0 days (0.000000 seconds)

Trial	Time (seconds)	Adjusted Time (seconds)	Drawdown (decimal feet)	Head (decimal feet)	Head Ratio
1	0	0	6.96999	0.460001	1
2	10	10	7.06999	0.360002	0.782612
3	20	20	7.10001	0.329983	0.717353
4	30	30	7.11999	0.310002	0.673917
5	40	40	7.14001	0.28999	0.630411
6	50	50	7.15001	0.279984	0.608659
7	60	60	7.16999	0.260003	0.565223
8	75	75	7.18	0.249997	0.543471
9	90.0003	90.0003	7.19	0.23999	0.521717
10	105	105	7.20998	0.22001	0.478283
11	120	120	7.21999	0.210004	0.456529
12	135	135	7.23	0.199997	0.434775
13	150	150	7.24	0.189991	0.413023
14	165	165	7.24	0.189991	0.413023
15	180	180	7.25001	0.179984	0.39127
16	195	195	7.25998	0.170011	0.369589
17	210	210	7.25998	0.170011	0.369589
18	225	225	7.26999	0.160004	0.347835
19	240	240	7.28	0.149998	0.326082
20	270	270	7.28	0.149998	0.326082
21	300	300	7.29	0.139992	0.304329
22	330	330	7.30001	0.129985	0.282576
23	360	360	7.31002	0.119978	0.260822
24	390	390	7.31002	0.119978	0.260822
25	420	420	7.31999	0.110005	0.239141
26	450	450	7.33	0.0999985	0.217388
27	480	480	7.33	0.0999985	0.217388
28	540	540	7.34	0.0899918	0.195634
29	600	600	7.35001	0.0799858	0.173882
30	660	660	7.36002	0.0699791	0.152128
31	720	720	7.36002	0.0699791	0.152128
32	780	780	7.36002	0.0699791	0.152128
33	840	840	7.36002	0.0699791	0.152128
34	900.003	900.003	7.36002	0.0699791	0.152128
35	1050	1050	7.36999	0.0600052	0.130446
36	1200	1200	7.36999	0.0600052	0.130446
37	1350	1350	7.38	0.0499992	0.108694
38	1500	1500	7.38	0.0499992	0.108694
39	1800	1800	7.38	0.0499992	0.108694
40	2100	2100	7.39	0.0399925	0.0869401
41	2700	2700	7.39	0.0399925	0.0869401

Hydraulic Conductivity Tests February 7, 2001
14-60 Charlotte Street Rochester, New York

Bouwer and Rice Graph of MW-12 SLUG IN
Ho is 0.460001 decimal feet at t = 0 sec



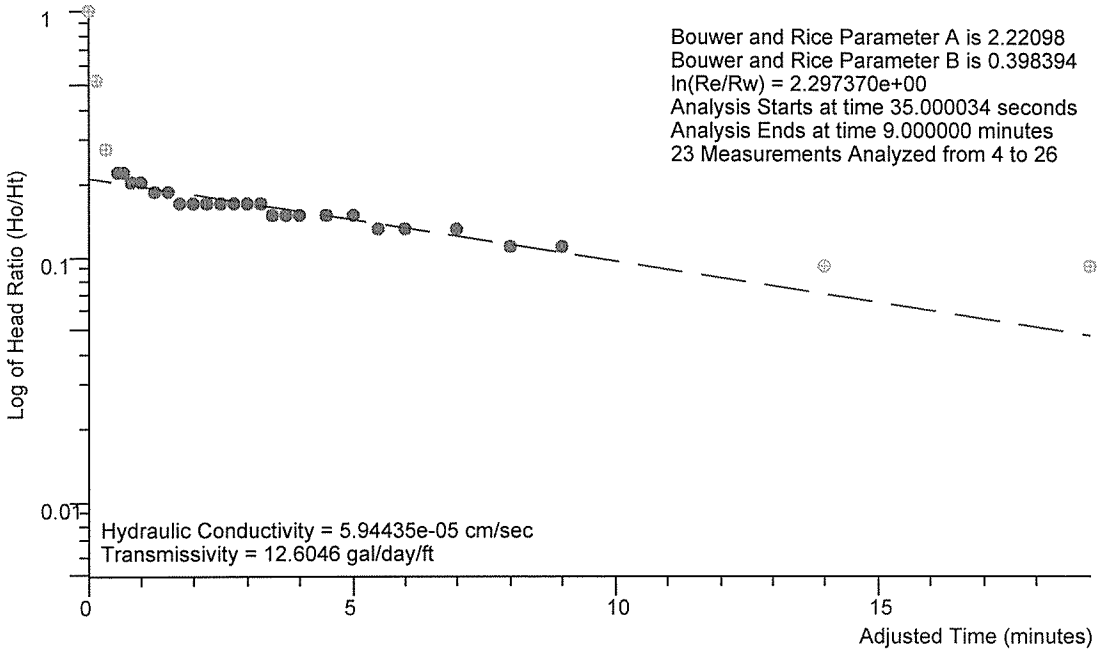
Project Number 2485R-00 for City of Rochester
Analysis by Day Environmental, Inc.

Data from file: C:\SUPERSLU\14-16C~1\MW-12OUT.SLG
Title: Hydraulic Conductivity Tests
Site Name: 14-60 Charlotte Street
Location: Rochester, New York
Client: City of Rochester
Project Number: 2485R-00
Test Date: February 7, 2001
Well Number: MW-12 SLUG OUT
Casing Radius: 1 inches
Effective Well Radius: 2.5 inches
Aquifer Thickness: 10 feet
Water Table to Screen Bottom: 5.06998 feet
Screen Length: 8 feet
Static Water Level: 7.42999 decimal feet
K ratio is not entered
There are 28 time and drawdown measurements
Tests starts with trial 1
Time values will be adjusted by 0 days (0.000000 seconds)

Trial	Time (seconds)	Adjusted Time (seconds)	Drawdown (decimal feet)	Head (decimal feet)	Head Ratio
1	0	0	7.97002	0.54002	1
2	10	10	7.71001	0.280016	0.51853
3	20	20	7.57999	0.149999	0.277765
4	35	35	7.55001	0.120012	0.222236
5	40	40	7.55001	0.120012	0.222236
6	50	50	7.54	0.110005	0.203706
7	60	60	7.54	0.110005	0.203706
8	75	75	7.52999	0.0999993	0.185177
9	90.0003	90.0003	7.52999	0.0999993	0.185177
10	105	105	7.51999	0.0899925	0.166647
11	120	120	7.51999	0.0899925	0.166647
12	135	135	7.51999	0.0899925	0.166647
13	150	150	7.51999	0.0899925	0.166647
14	165	165	7.51999	0.0899925	0.166647
15	180	180	7.51999	0.0899925	0.166647
16	195	195	7.51999	0.0899925	0.166647
17	210	210	7.51001	0.0800187	0.148177
18	225	225	7.51001	0.0800187	0.148177
19	240	240	7.51001	0.0800187	0.148177
20	270	270	7.51001	0.0800187	0.148177
21	300	300	7.51001	0.0800187	0.148177
22	330	330	7.50001	0.0700127	0.129648
23	360	360	7.50001	0.0700127	0.129648
24	420	420	7.50001	0.0700127	0.129648
25	480	480	7.49	0.060006	0.111118
26	540	540	7.49	0.060006	0.111118
27	840	840	7.47999	0.05	0.0925892
28	1140	1140	7.47999	0.05	0.0925892

Hydraulic Conductivity Tests February 7, 2001
14-60 Charlotte Street Rochester, New York

Bouwer and Rice Graph of MW-12 SLUG OUT
Ho is 0.54002 decimal feet at t = 0 sec



Project Number 2485R-00 for City of Rochester
Analysis by Day Environmental, Inc.

Table 1

TABLE 1

HYDRAULIC CONDUCTIVITY TEST RESULTS

14 - 60 CHARLOTTE STREET
ROCHESTER, NEW YORK

WELL	TYPE	HYDRAULIC CONDUCTIIVITY SLUG IN	HYDRAULIC CONDUCTIVUITY SLUG OUT
MW-1	OVERBURDEN	4.47×10^{-5} cm/sec	6.33×10^{-5} cm/sec
MW-4	OVERBURDEN	3.39×10^{-5} cm/sec	5.36×10^{-5} cm/sec
MW-6	OVERBURDEN/BEDROCK	4.20×10^{-5} cm/sec	8.13×10^{-5} cm/sec
MW-8	OVERBURDEN/BEDROCK	2.64×10^{-4} cm/sec	4.00×10^{-4} cm/sec
MW-10	OVERBURDEN/BEDROCK	6.58×10^{-4} cm/sec	1.04×10^{-3} cm/sec
MW-12	OVERBURDEN/BEDROCK	7.60×10^{-5} cm/sec	5.94×10^{-5} cm/sec