

APPENDIX E

AQUIFER TESTING DATA

Table E-1

**Summary of PES Slug Test Analyses
American Linen Supply Co Dexter Ave Site
700 Dexter Avenue North, Seattle, Washington**

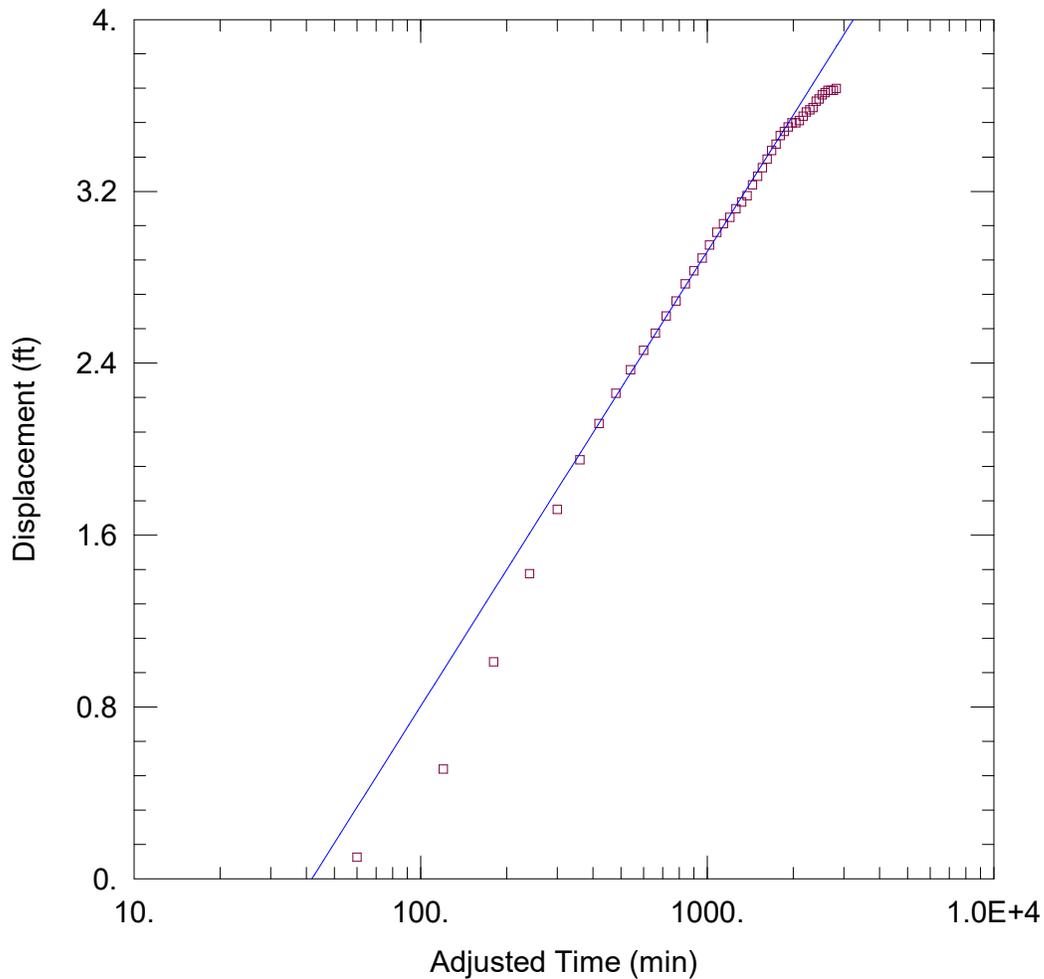
Slug Test Hydraulic Conductivity Estimates (ft/day)										
Well ID	Well Screen Elevation (feet)	Lithologic Unit in Screen Zone	Water Bearing Zone	Test #	Analytical Solution					
					Bouwer-Rice ^a		Hvorslev ^b		KGS Model ^c	
					Falling	Rising	Falling	Rising	Falling	Rising
MW-337	17.8 to 7.8	ML	Shallow	2	4.72	5.84	5.48	6.74	5.20	4.85
				3	4.14	4.52	4.66	5.08	4.53	3.85
				4	4.64	4.09	5.02	4.27	4.21	2.79
				Geomean	4.49	4.76	5.04	5.27	4.63	3.73
MW119	2.7 to -7.3	SP-SM	Intermediate A	1	7.03	8.18	9.33	9.59	9.38	7.84
				2	7.68	7.24	8.99	8.72	9.04	9.77
				3	7.73	8.30	9.36	8.93	9.12	9.14
				Geomean	7.47	7.89	9.23	9.07	9.18	8.88
MW-333	-2.1 to -12.1	ML	Intermediate A	2	–	0.110	–	0.115	–	0.082
				3	0.158	0.087	0.180	0.093	0.124	0.074
				4	0.085	0.101	0.095	0.132	0.070	0.068
				Geomean	0.116	0.099	0.131	0.112	0.093	0.074
MW-335	-26.5 to -36.5	SM	Intermediate B	1	8.38	8.17	10.37	10.14	10.39	10.51
				2	8.07	8.34	105.32	10.26	10.85	10.86
				3	8.23	8.41	10.77	10.69	11.00	11.16
				Geomean	8.22	8.31	22.74	10.36	10.75	10.84
MW-338	-17.0 to -27.0	ML	Intermediate B	2	0.034	0.027	0.052	0.026	0.036	0.028
				3	0.027	0.026	0.037	0.037	0.031	0.032
				4	0.025	0.029	0.037	0.041	0.017	0.015
				Geomean	0.028	0.027	0.041	0.034	0.027	0.024
MW-311	-29.0 to -39.0	SM, ML	Intermediate B	1	0.066	0.018	0.086	0.020	0.067	0.031
				2	0.078	0.043	0.048	0.051	0.046	0.053
				3	0.062	0.024	0.080	0.029	0.097	0.025
				Geomean	0.068	0.026	0.069	0.031	0.067	0.035
MW-319	-42.8 to -52.8	SM	Deep	1	4.90	–	8.86	–	8.03	–
				3	5.10	4.62	8.60	8.58	8.36	8.84
				4	5.07	4.85	8.67	8.81	8.43	8.81
				5	4.86	4.73	9.06	8.94	8.71	8.47
				Geomean	4.98	4.73	8.80	8.78	8.38	8.71

Table E-1

**Summary of PES Slug Test Analyses
American Linen Supply Co Dexter Ave Site
700 Dexter Avenue North, Seattle, Washington**

Slug Test Hydraulic Conductivity Estimates (ft/day)										
Well ID	Well Screen Elevation (feet)	Lithologic Unit in Screen Zone	Water Bearing Zone	Test #	Analytical Solution					
					Bouwer-Rice ^a		Hvorslev ^b		KGS Model ^c	
					Falling	Rising	Falling	Rising	Falling	Rising
MW-336	-52.0 to -62.0	SM-SP	Deep	2	2.41	2.21	3.14	2.97	3.02	2.93
				3	2.24	2.17	3.08	2.79	2.87	2.85
				4	2.36	2.14	3.07	2.79	3.04	2.82
				Geomean	2.33	2.17	3.10	2.85	2.98	2.87
MW-343	-71.9 to -81.9	SM	Deep	1	11.04	–	12.40	–	11.69	–
				2	9.89	10.46	11.72	12.64	11.74	12.40
				3	–	10.76	–	11.98	–	12.35
				4	10.76	10.86	12.57	12.23	12.30	12.69
				Geomean	10.55	10.69	12.22	12.28	11.91	12.48
MW-323	-65.4 to -75.4	SM, GM, GP	Deep	1	15.46	18.58	14.58	22.62	24.25	21.06
				2	16.27	–	18.77	–	22.84	–
				3	–	17.58	–	22.52	–	37.58
				4	–	20.23	–	22.73	–	20.26
				Geomean	15.86	18.77	16.54	22.62	23.53	25.22
MW-328	-36.1 to -46.1	SP	Deep	1	–	35.27	–	59.52	–	44.67
				2	–	–	–	–	–	–
				3	–	37.03	–	59.07	–	65.87
				4	44.18	34.02	50.45	50.45	67.93	53.16
				5	–	34.92	–	60.89	–	49.92
				Geomean	44.18	35.30	50.45	57.33	67.93	52.86

Notes:
 Shallow well MW-337 analyzed as unconfined, all other wells analyzed for confined conditions
^a Bouwer and Rice (1976), ^b Hvorslev (1951), ^c Hyder et al. (1994)
 GP= gravel, GM = silty gravel, ML = silt or sandy silt, SP = sand, and SM = silty sand
 Elevations in feet relative to the North American Vertical Datum of 1988 (NAVD 88)



WELL TEST ANALYSIS

Data Set: C:\...\Block 37_Deep Pump Test_041717-041817_MW105_Cooper Jacob 2.aqt

Date: 02/23/21

Time: 13:22:13

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Location: Seattle, WA

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA

Pumping Wells

Observation Wells

Well Name	X (ft)	Y (ft)
GEI-2	1269358.7	231666.08

Well Name	X (ft)	Y (ft)
□ MW105	1268694.42	231762.84

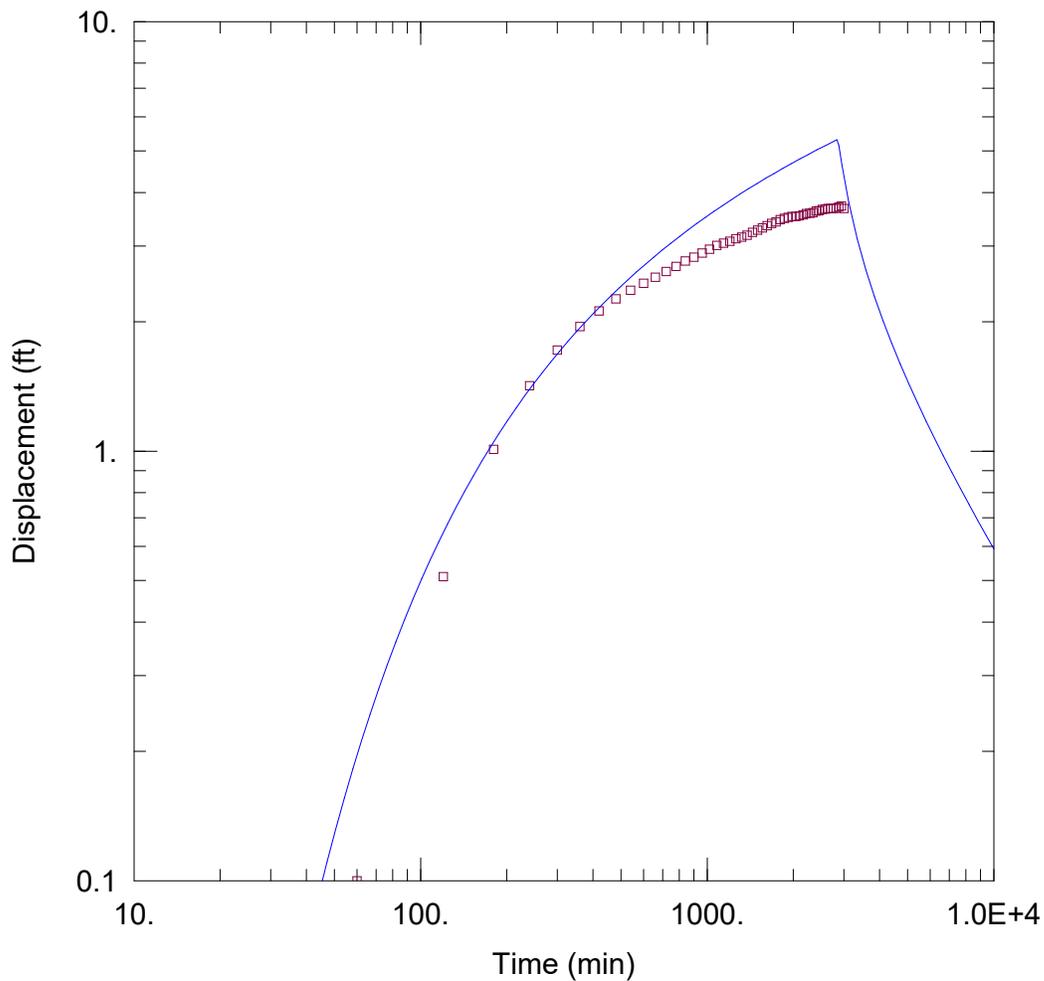
SOLUTION

Aquifer Model: Confined

Solution Method: Cooper-Jacob

T = 3.47 ft²/min

S = 0.0007223



WELL TEST ANALYSIS

Data Set: C:\...\Block 37_Deep Pump Test_041717-041817_MW105 Theis.aqt

Date: 02/16/21

Time: 08:48:02

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Location: Seattle, WA

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
GEI-2	1269358.7	231666.08

Observation Wells

Well Name	X (ft)	Y (ft)
□ MW105	1268694.42	231762.84

SOLUTION

Aquifer Model: Confined

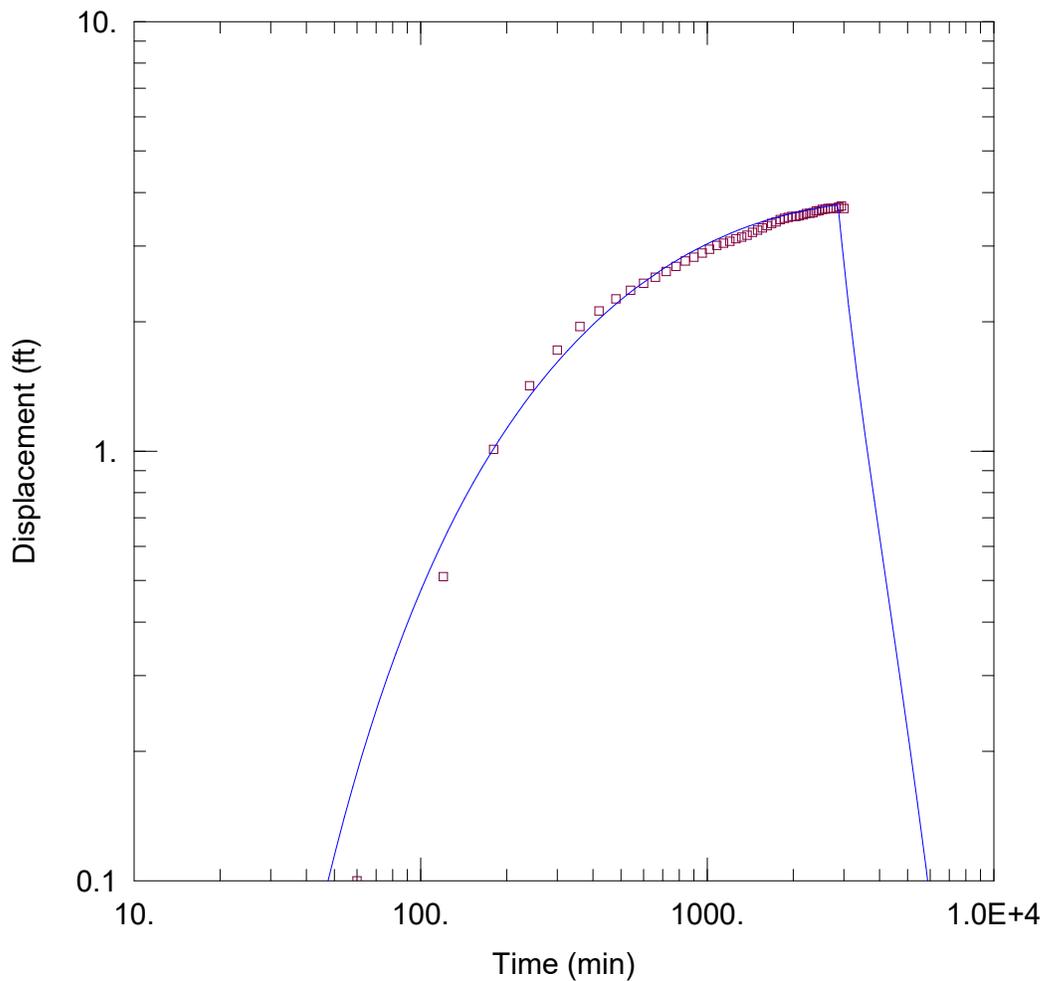
Solution Method: Theis

T = 1.768 ft²/min

S = 0.00136

Kz/Kr = 1.

b = 54. ft



WELL TEST ANALYSIS

Data Set: C:\...\Block 37_Deep Pump Test_041717-041817_MW105 Leaky Solution.aqt

Date: 02/16/21

Time: 08:25:15

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Location: Seattle, WA

WELL DATA

Pumping Wells

Observation Wells

Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
GEI-2	1269358.7	231666.08	□ MW105	1268694.42	231762.84

SOLUTION

Aquifer Model: Leaky

Solution Method: Hantush-Jacob

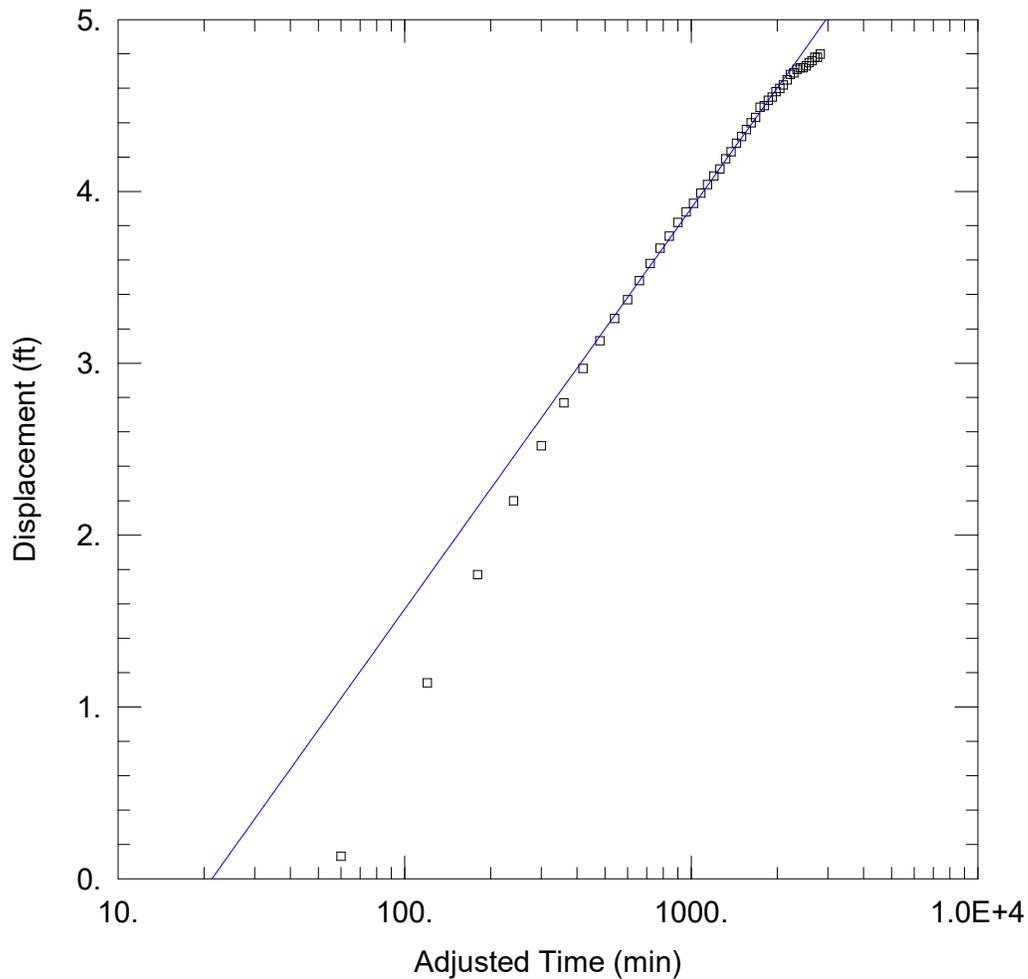
T = 1.57 ft²/min

S = 0.00131

r/B = 0.4829

Kz/Kr = 1.

b = 54. ft



WELL TEST ANALYSIS

Data Set: C:\...\Block 37_Deep Pump Test_041717-041817_MW113.aqt

Date: 02/23/21

Time: 13:14:42

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Location: Seattle, WA

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA

Pumping Wells

Observation Wells

Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
GEI-2	1269358.7	231666.08	□ MW113	1268950.77	231911.93

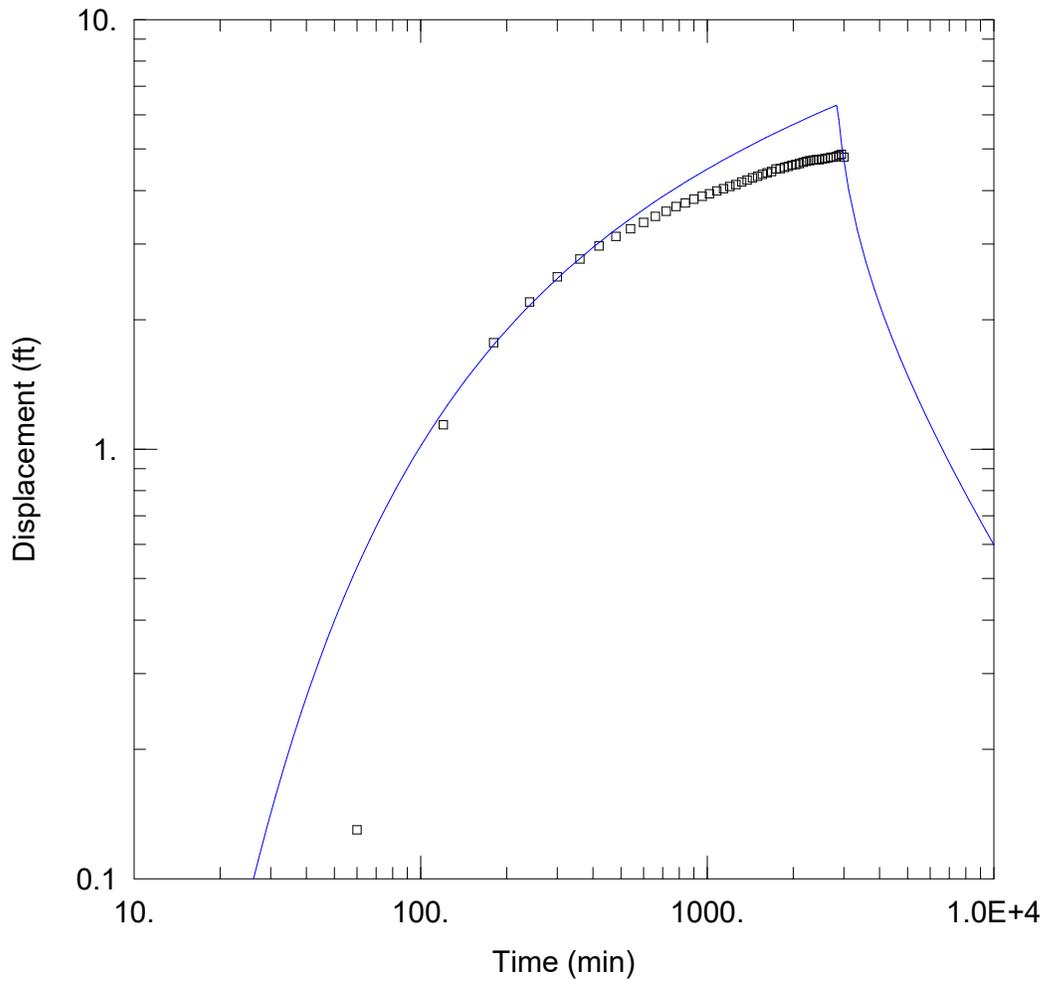
SOLUTION

Aquifer Model: Confined

Solution Method: Cooper-Jacob

T = 3.15 ft²/min

S = 0.000663



WELL TEST ANALYSIS

Data Set: C:\...\Block 37_Deep Pump Test_041717-041817_MW113 Theis.aqt
 Date: 02/16/21 Time: 08:51:14

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Location: Seattle, WA

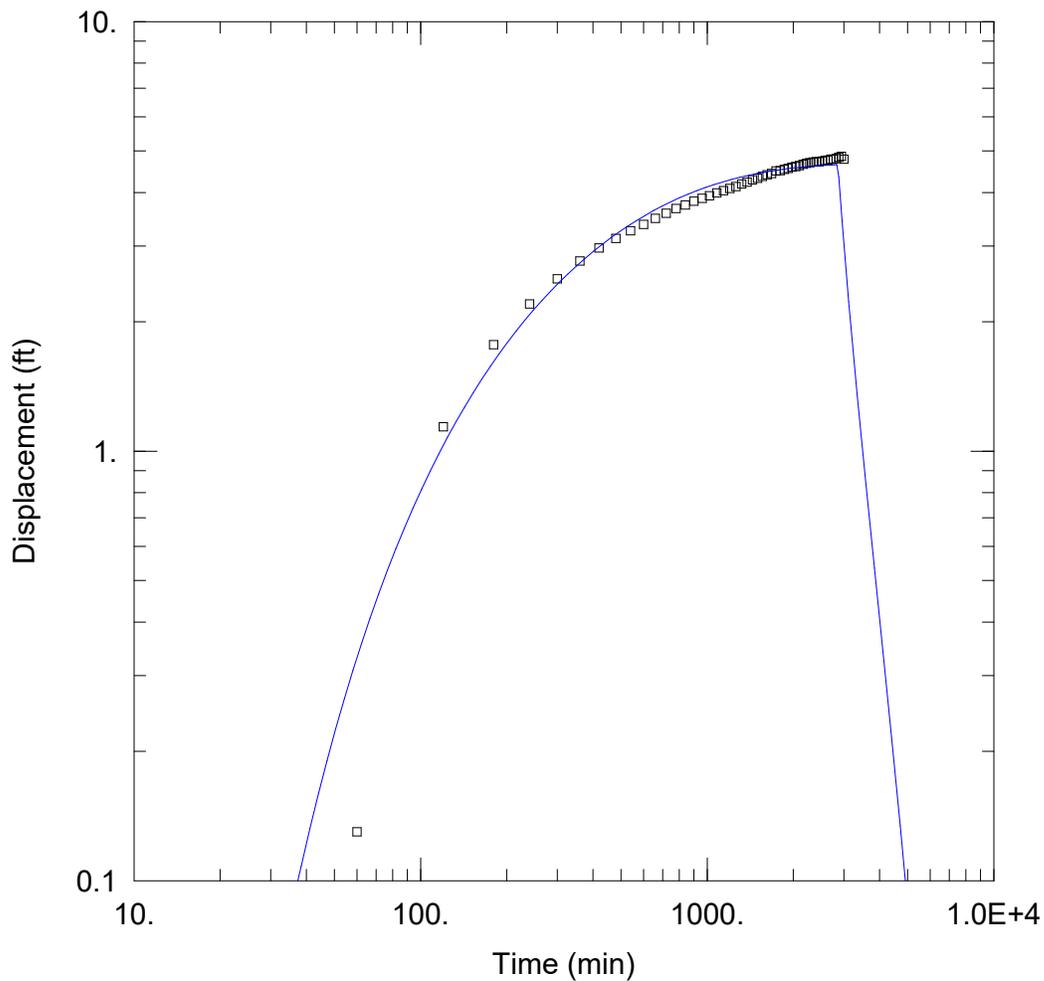
WELL DATA

Pumping Wells			Observation Wells		
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
GEI-2	1269358.7	231666.08	□ MW113	1268950.77	231911.93

SOLUTION

Aquifer Model: Confined
 $T = 1.755 \text{ ft}^2/\text{min}$
 $Kz/Kr = 1.$

Solution Method: Theis
 $S = 0.001549$
 $b = 54. \text{ ft}$



WELL TEST ANALYSIS

Data Set: C:\...\Block 37_Deep Pump Test_041717-041817_MW113 Leaky solution.aqt

Date: 02/16/21

Time: 08:50:33

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Location: Seattle, WA

WELL DATA

Pumping Wells

Observation Wells

Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
GEI-2	1269358.7	231666.08	□ MW113	1268950.77	231911.93

SOLUTION

Aquifer Model: Leaky

Solution Method: Hantush-Jacob

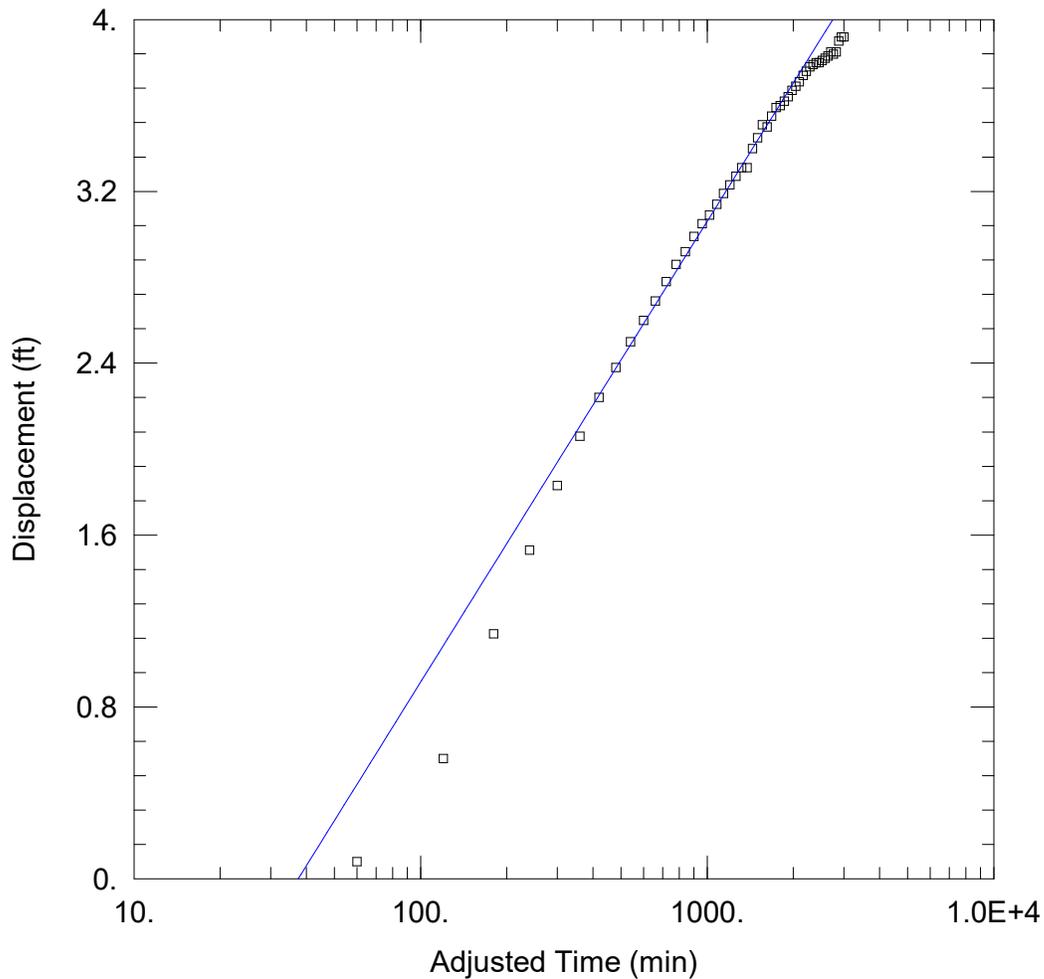
T = 1.06 ft²/min

S = 0.001577

r/B = 0.6

Kz/Kr = 1.

b = 54. ft



WELL TEST ANALYSIS

Data Set: C:\...\Block 37_ Intermediate Pump Test_ 041717-041817_ MW116_ Cooper-Jacob Confined_ Int A thickn
 Date: 02/24/21 Time: 08:05:43

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Location: Seattle, WA

AQUIFER DATA

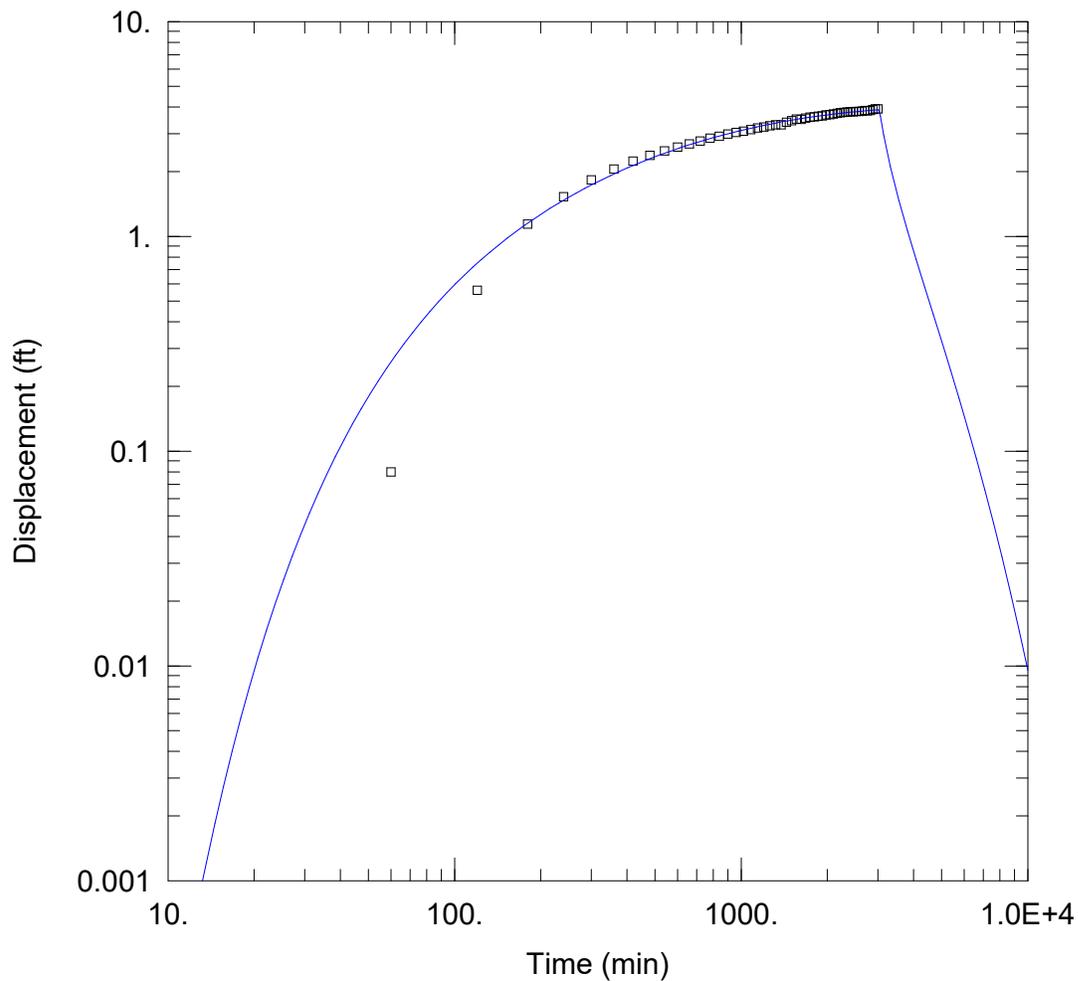
Saturated Thickness: 35. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA

Pumping Wells			Observation Wells		
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
GEI-2	1269358.7	231666.08	□ MW116	1268952.65	232006.18

SOLUTION

Aquifer Model: Confined Solution Method: Cooper-Jacob
 T = 3.425 ft²/min S = 0.001026



WELL TEST ANALYSIS

Data Set: C:\...\Block 37_ Intermediate Pump Test_ 041717-041817_ MW116 Leaky Solution_ Int A thickness.s.aqt
 Date: 02/24/21 Time: 08:01:38

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Location: Seattle, WA

WELL DATA

Pumping Wells			Observation Wells		
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
GEI-2	1269358.7	231666.08	□ MW116	1268952.65	232006.18

SOLUTION

Aquifer Model: Leaky

Solution Method: Hantush-Jacob

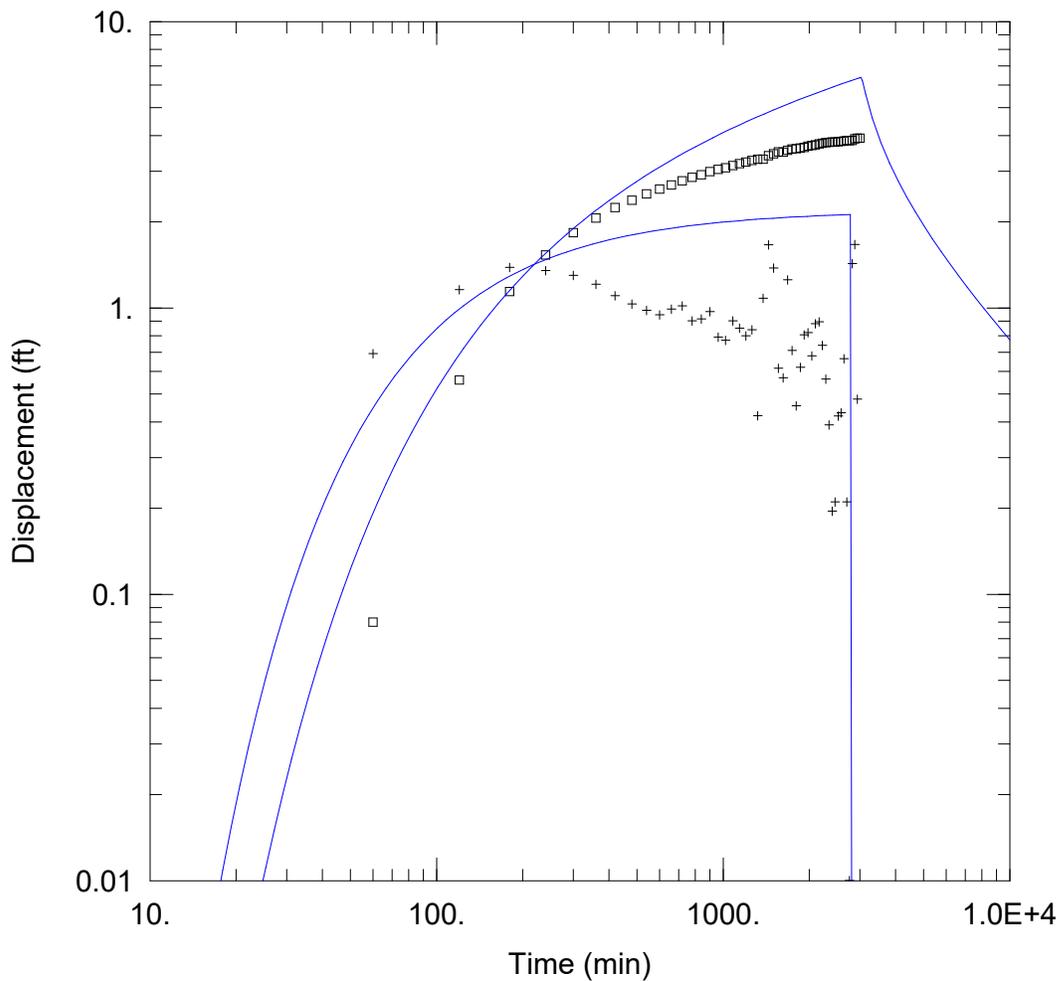
T = 1.8 ft²/min

S = 0.001899

r/B = 0.3879

Kz/Kr = 1.

b = 35. ft



WELL TEST ANALYSIS

Data Set: C:\...\Block 37_ Intermediate Pump Test_ 041717-041817_ MW116 This late time_ Int A thickness.s.aqt
 Date: 02/24/21 Time: 08:43:31

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Location: Seattle, WA

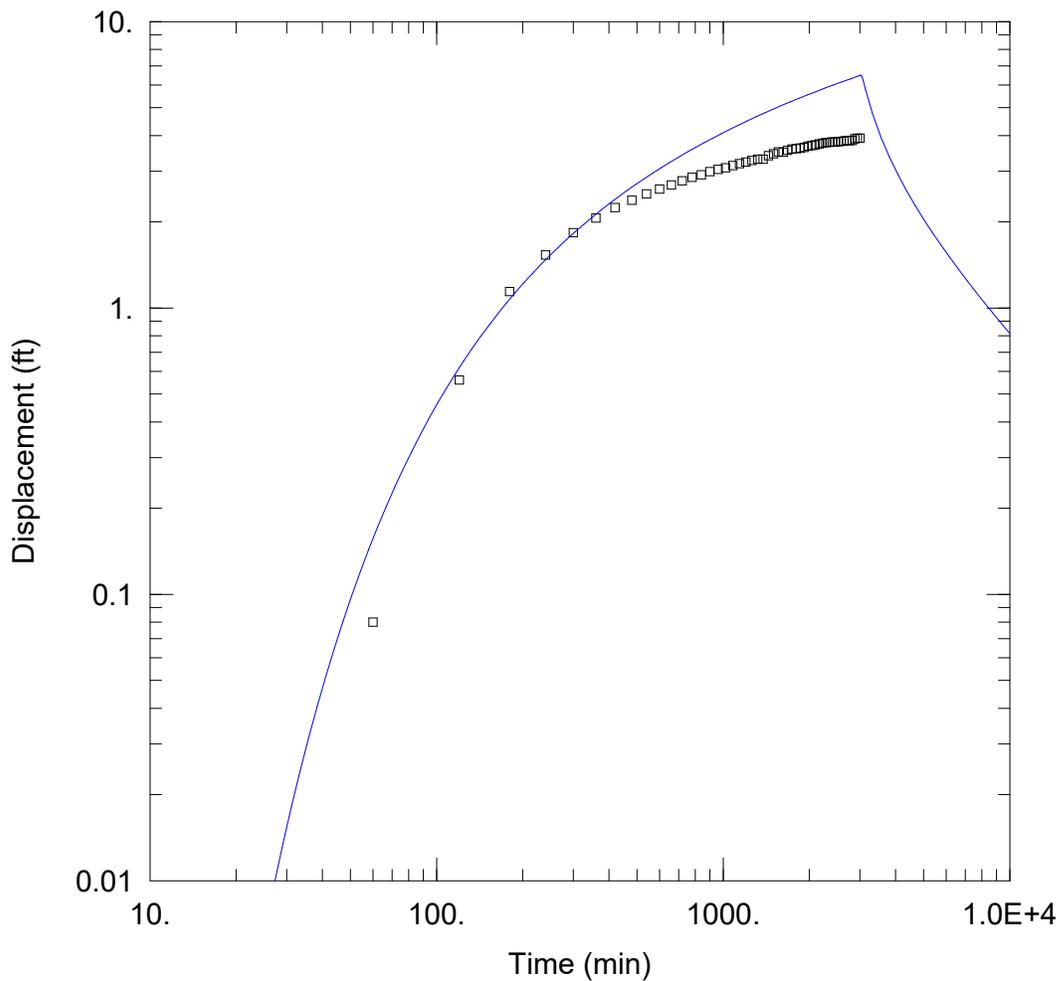
WELL DATA

Pumping Wells			Observation Wells		
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
GEI-2	1269358.7	231666.08	□ MW116	1268952.65	232006.18

SOLUTION

Aquifer Model: Confined
 $T = 1.455 \text{ ft}^2/\text{min}$
 $Kz/Kr = 1.$

Solution Method: Theis
 $S = 0.001977$
 $b = 35. \text{ ft}$



WELL TEST ANALYSIS

Data Set: C:\...\Block 37_ Intermediate Pump Test_ 041717-041817_ MW116 Theis_ Int A thickness.aqt
 Date: 02/24/21 Time: 08:15:53

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Location: Seattle, WA

WELL DATA

Pumping Wells			Observation Wells		
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
GEI-2	1269358.7	231666.08	□ MW116	1268952.65	232006.18

SOLUTION

Aquifer Model: Confined

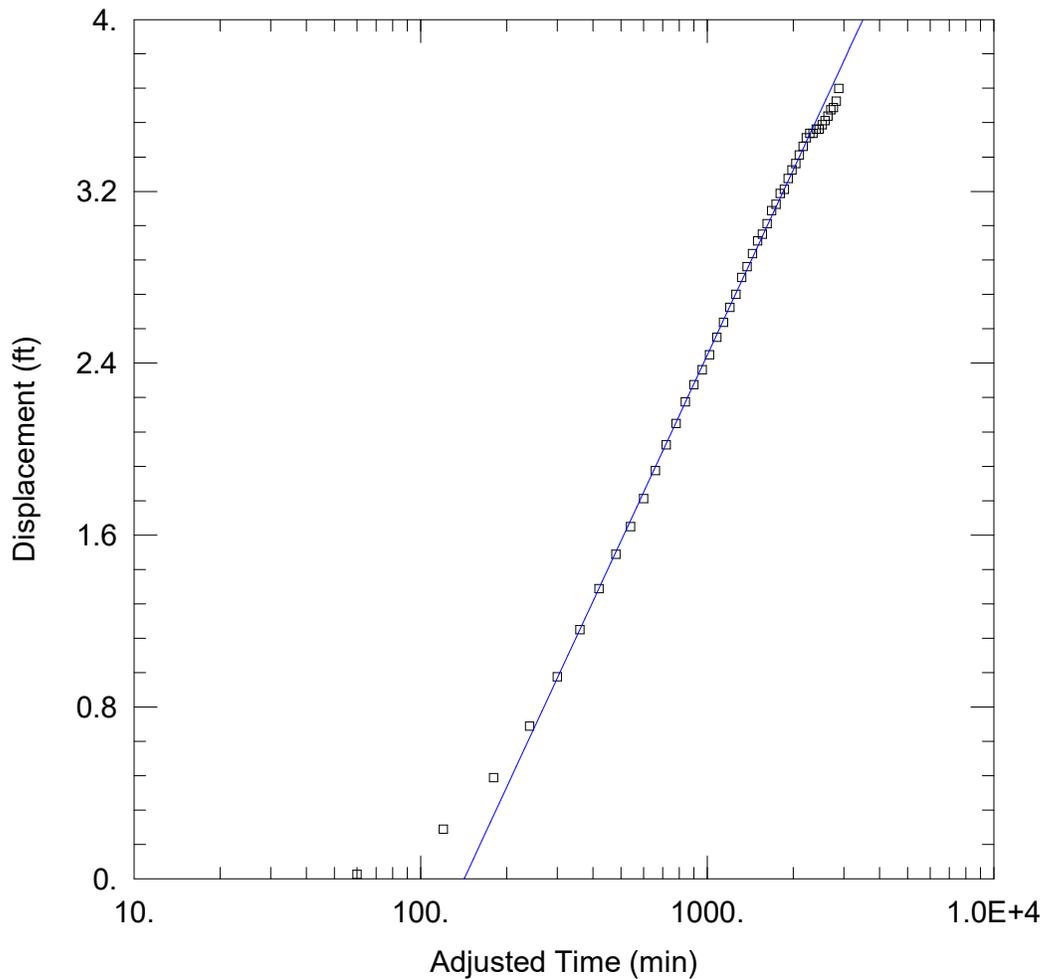
Solution Method: Theis

T = 1.38 ft²/min

S = 0.002085

Kz/Kr = 1.

b = 35. ft



WELL TEST ANALYSIS

Data Set: C:\...\Block 37_Intermediate Pump Test_041717-041817_MW119 Confined Cooper-Jacob Int / thickne

Date: 02/24/21

Time: 07:53:29

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Location: Seattle, WA

AQUIFER DATA

Saturated Thickness: 35. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA

Pumping Wells

Observation Wells

Well Name	X (ft)	Y (ft)
<u>GEI-2</u>	1269358.7	231666.08
<u>MW119</u>	1268924.29	231652.18

Well Name	X (ft)	Y (ft)
<u>□ MW119</u>	1268924.29	231652.18

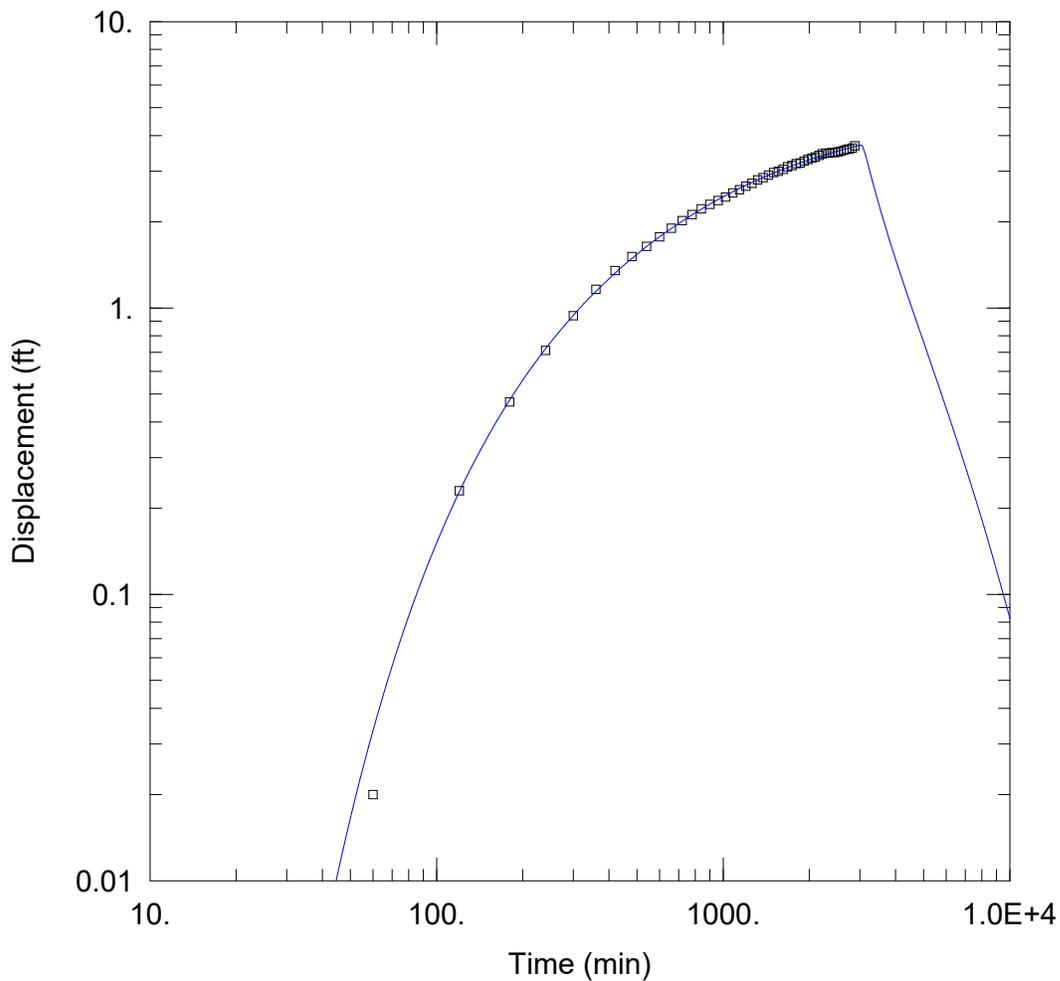
SOLUTION

Aquifer Model: Confined

Solution Method: Cooper-Jacob

$T = 2.556 \text{ ft}^2/\text{min}$

$S = 0.004313$



WELL TEST ANALYSIS

Data Set: C:\...\Block 37_Intermediate Pump Test_041717-041817_MW119 Leaky Hantush-Jacob_Int A Thickness
 Date: 02/24/21 Time: 07:54:52

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Location: Seattle, WA

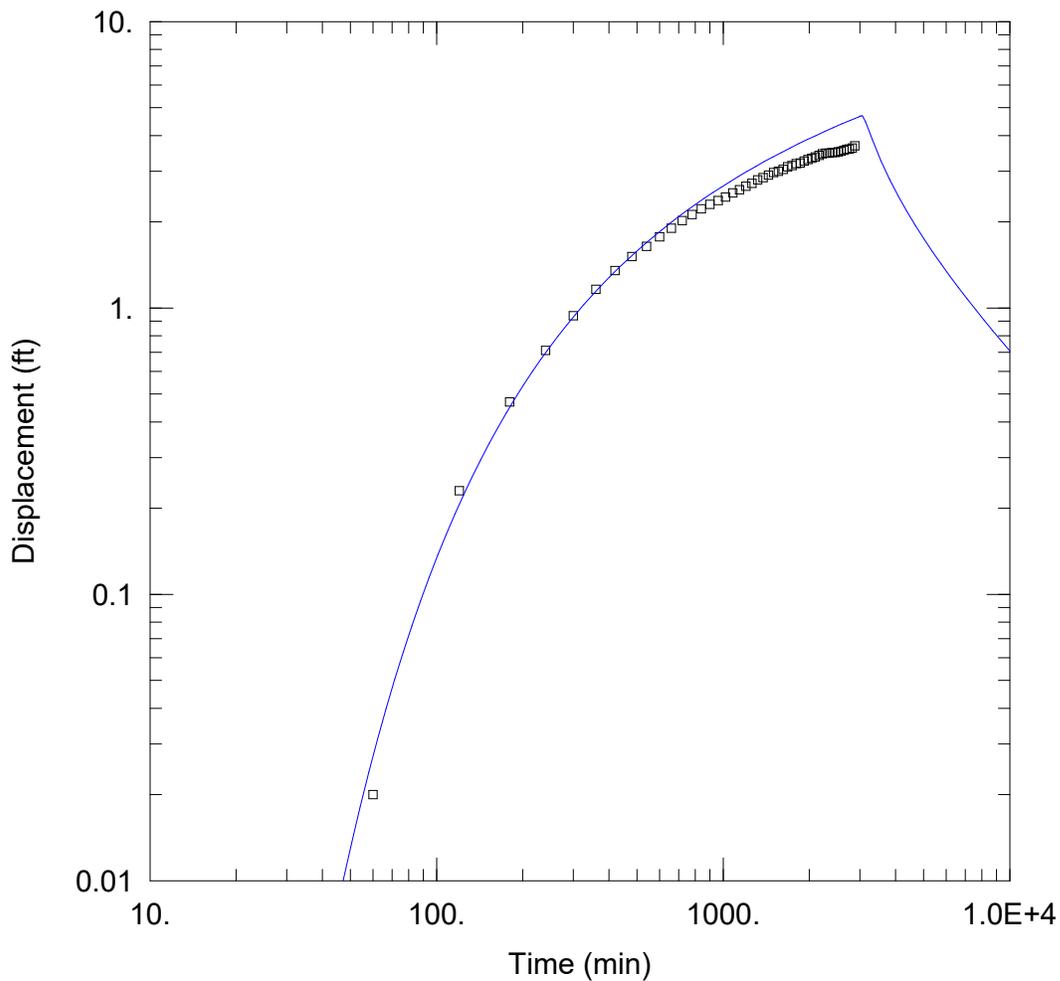
WELL DATA

Pumping Wells			Observation Wells		
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
GEI-2	1269358.7	231666.08	□ MW119	1268924.29	231652.18

SOLUTION

Aquifer Model: Leaky
 T = 1.597 ft²/min
 r/B = 0.4149
 b = 35. ft

Solution Method: Hantush-Jacob
 S = 0.005667
 Kz/Kr = 1.



WELL TEST ANALYSIS

Data Set: C:\...\Block 37_ Intermediate Pump Test_ 041717-041817_ MW119 Confined Theis_ Int A thickness.aqt

Date: 02/24/21

Time: 07:56:14

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Location: Seattle, WA

WELL DATA

Pumping Wells

Observation Wells

Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
GEI-2	1269358.7	231666.08	□ MW119	1268924.29	231652.18

SOLUTION

Aquifer Model: Confined

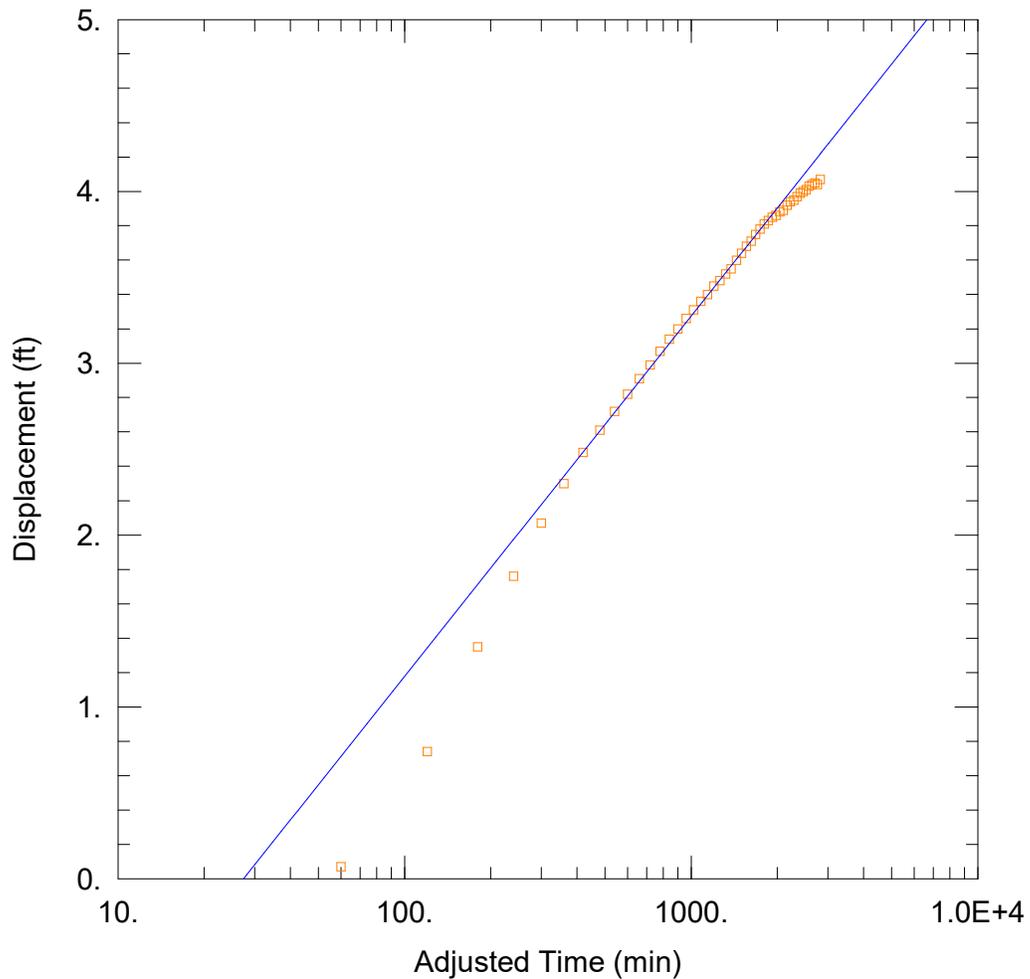
Solution Method: Theis

T = 1.574 ft²/min

S = 0.00595

Kz/Kr = 1.

b = 35. ft



WELL TEST ANALYSIS

Data Set: C:\...\Block 37_Deep Pump Test_041717-041817_MW122.aqt

Date: 02/23/21

Time: 13:25:35

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Location: Seattle, WA

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA

Pumping Wells

Observation Wells

Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
GEI-2	1269358.7	231666.08	□ MW122	1268810.95	232139.15

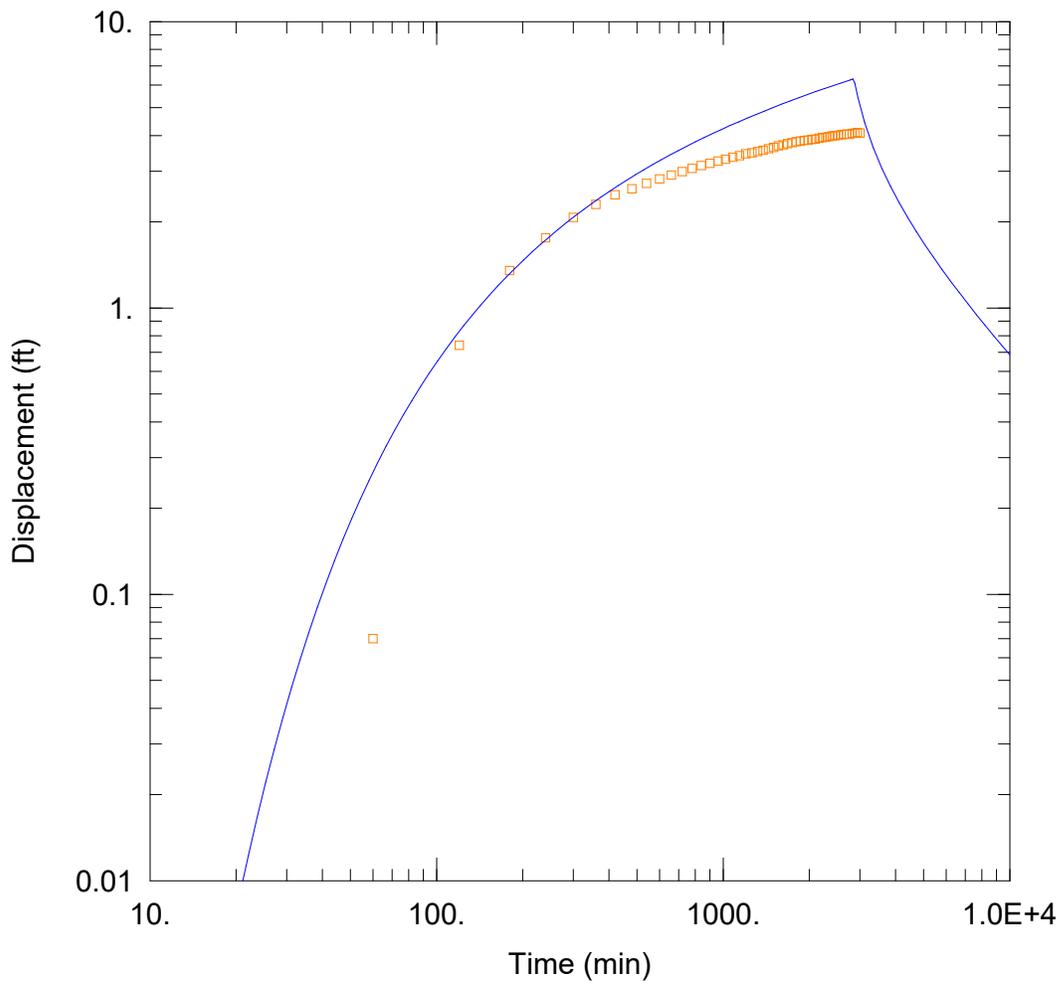
SOLUTION

Aquifer Model: Confined

Solution Method: Cooper-Jacob

T = 3.505 ft²/min

S = 0.0004121



WELL TEST ANALYSIS

Data Set: C:\...\Block 37_Deep Pump Test_041717-041817_MW122 Theis.aqt

Date: 02/16/21

Time: 08:55:05

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Location: Seattle, WA

WELL DATA

Pumping Wells

Observation Wells

Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
GEI-2	1269358.7	231666.08	□ MW122	1268810.95	232139.15

SOLUTION

Aquifer Model: Confined

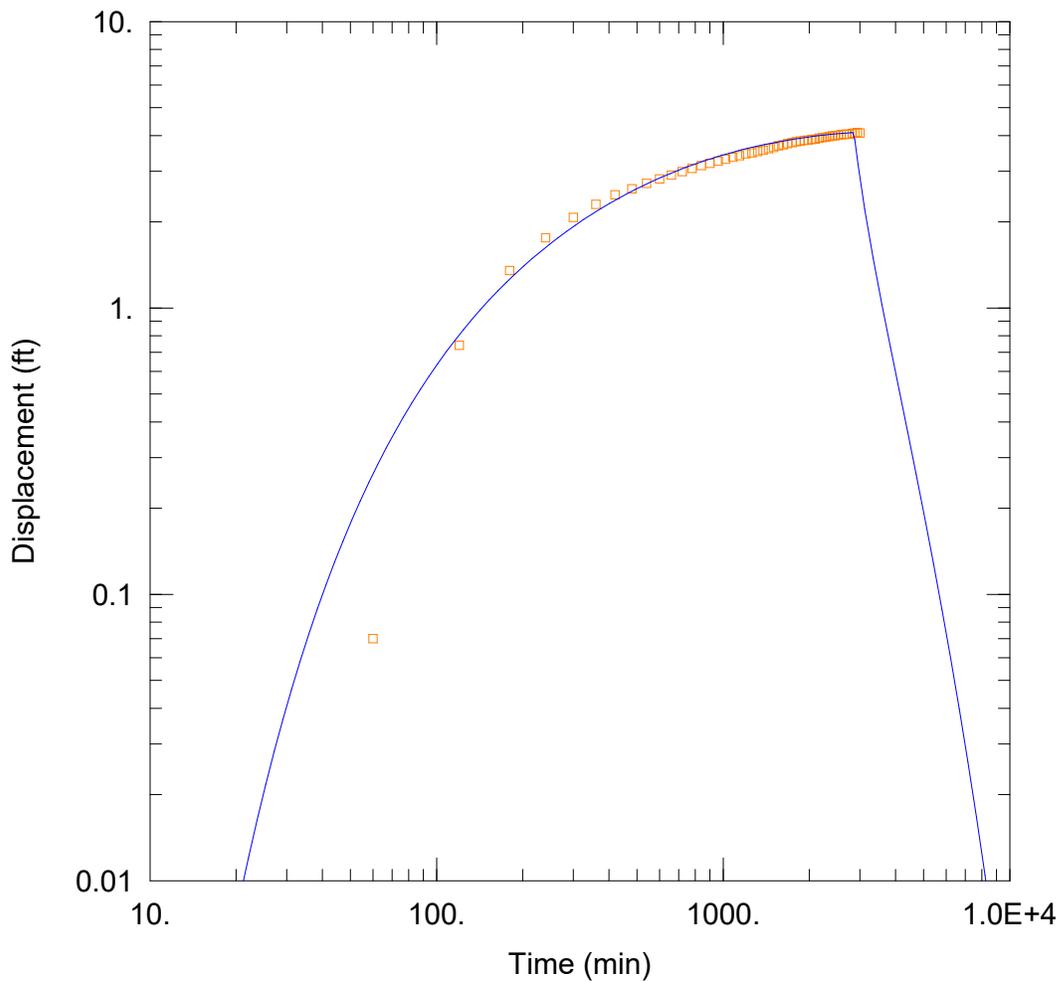
Solution Method: Theis

T = 1.528 ft²/min

S = 0.0009357

Kz/Kr = 1.

b = 54. ft



WELL TEST ANALYSIS

Data Set: C:\...\Block 37_Deep Pump Test_041717-041817_MW122 Leaky solution.aqt

Date: 02/16/21

Time: 08:54:31

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Location: Seattle, WA

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
GEI-2	1269358.7	231666.08

Observation Wells

Well Name	X (ft)	Y (ft)
□ MW122	1268810.95	232139.15

SOLUTION

Aquifer Model: Leaky

Solution Method: Hantush-Jacob

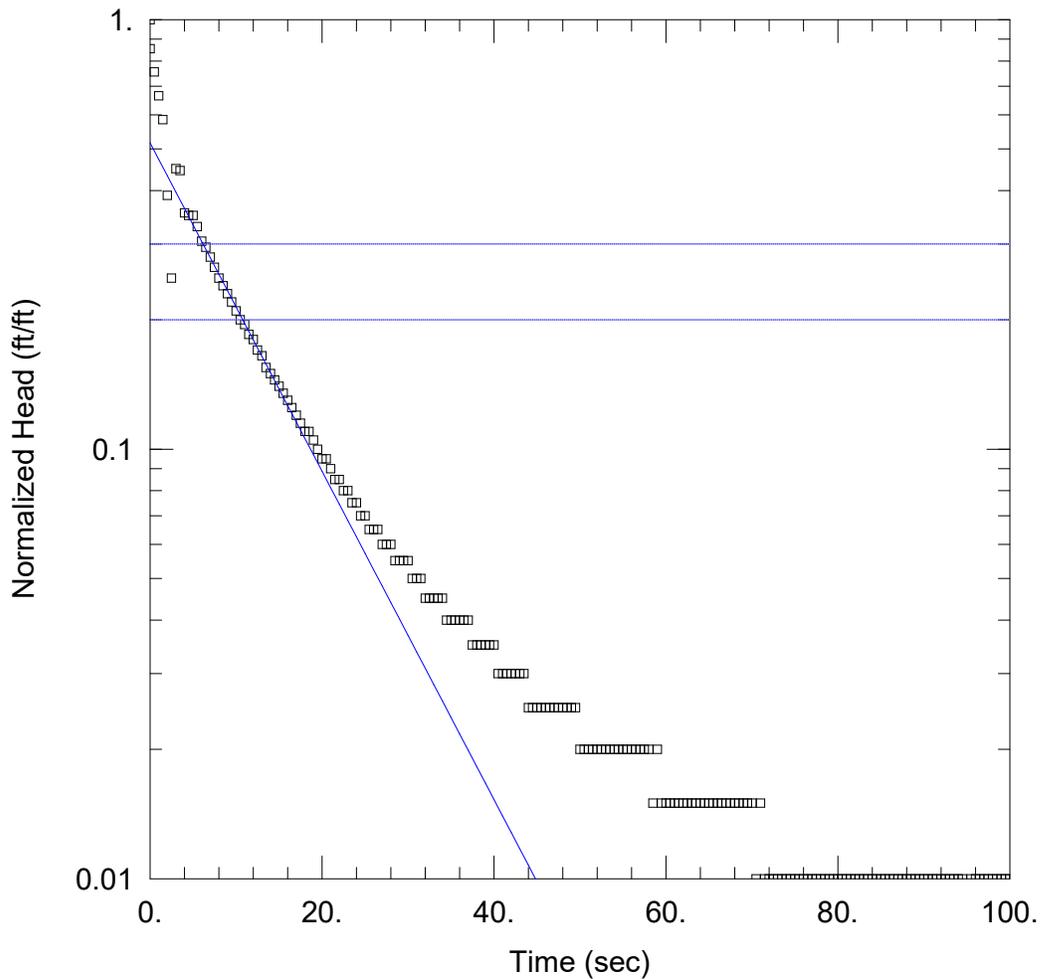
T = 1.474 ft²/min

S = 0.0009117

r/B = 0.4722

Kz/Kr = 1.

b = 54. ft



MW119 FALLING 1

Data Set: C:\...\MW119_Slug in_1 Bower-Rice.aqt

Date: 06/02/20

Time: 09:58:34

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW119

AQUIFER DATA

Saturated Thickness: 35. ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW119)

Initial Displacement: 2. ft

Static Water Column Height: 14.49 ft

Total Well Penetration Depth: 27.3 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.333 ft

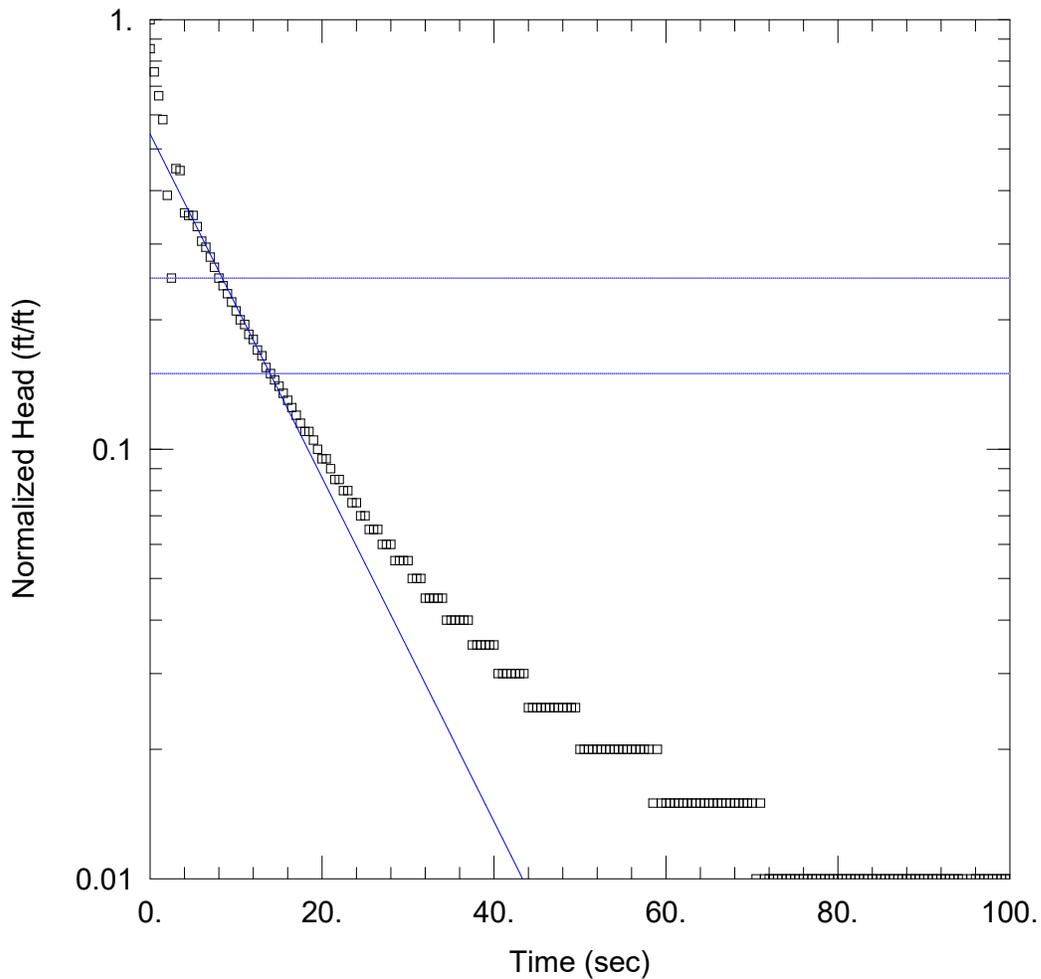
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

K = 8.135E-5 ft/sec

y0 = 1.033 ft



MW119 FALLING 1

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW119_Slug in_1 Hvorslev.aqt
 Date: 06/02/20 Time: 09:57:22

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW119

AQUIFER DATA

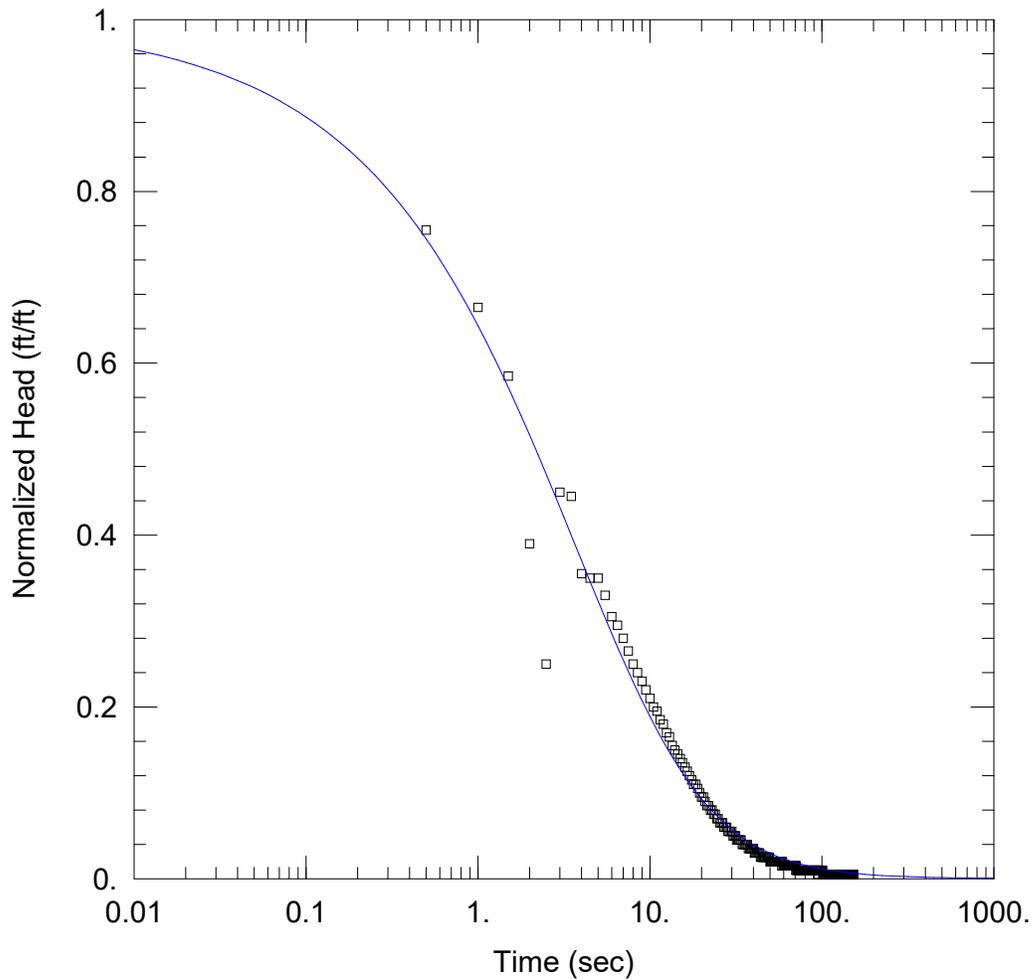
Saturated Thickness: 35. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW119)

Initial Displacement: 2. ft Static Water Column Height: 14.49 ft
 Total Well Penetration Depth: 27.3 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.333 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 K = 0.000108 ft/sec $y_0 =$ 1.083 ft



MW119 FALLING 1

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW119_Slug in_1 KGS.aqt
 Date: 06/02/20 Time: 10:00:10

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW119

AQUIFER DATA

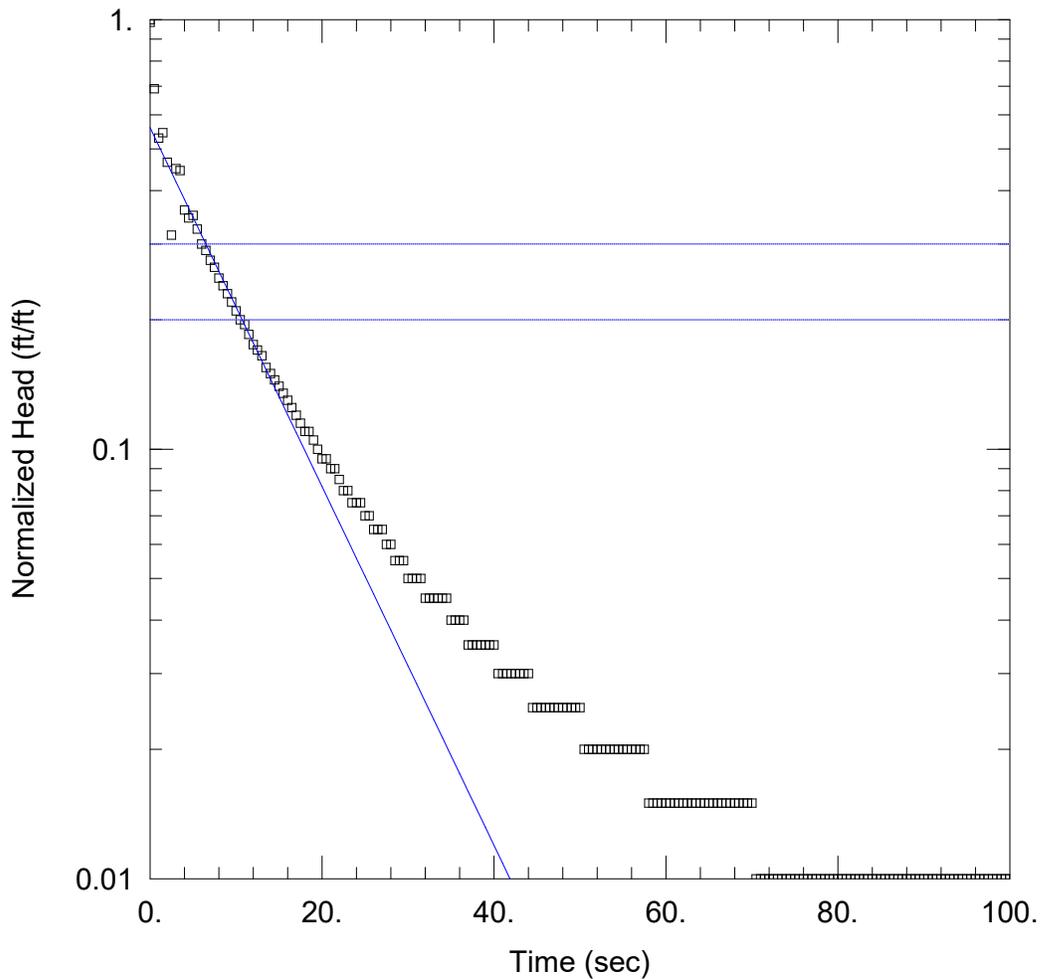
Saturated Thickness: 35. ft

WELL DATA (MW119)

Initial Displacement: <u>2. ft</u>	Static Water Column Height: <u>14.49 ft</u>
Total Well Penetration Depth: <u>27.3 ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.333 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>0.0001086 ft/sec</u>	Ss = <u>0.0009037 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



MW119 FALLING 2

Data Set: C:\...\MW119_Slug in 2 Bower-Rice.aqt

Date: 06/02/20

Time: 10:10:16

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW119

AQUIFER DATA

Saturated Thickness: 35. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW119)

Initial Displacement: 2. ft

Static Water Column Height: 14.49 ft

Total Well Penetration Depth: 27.3 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.333 ft

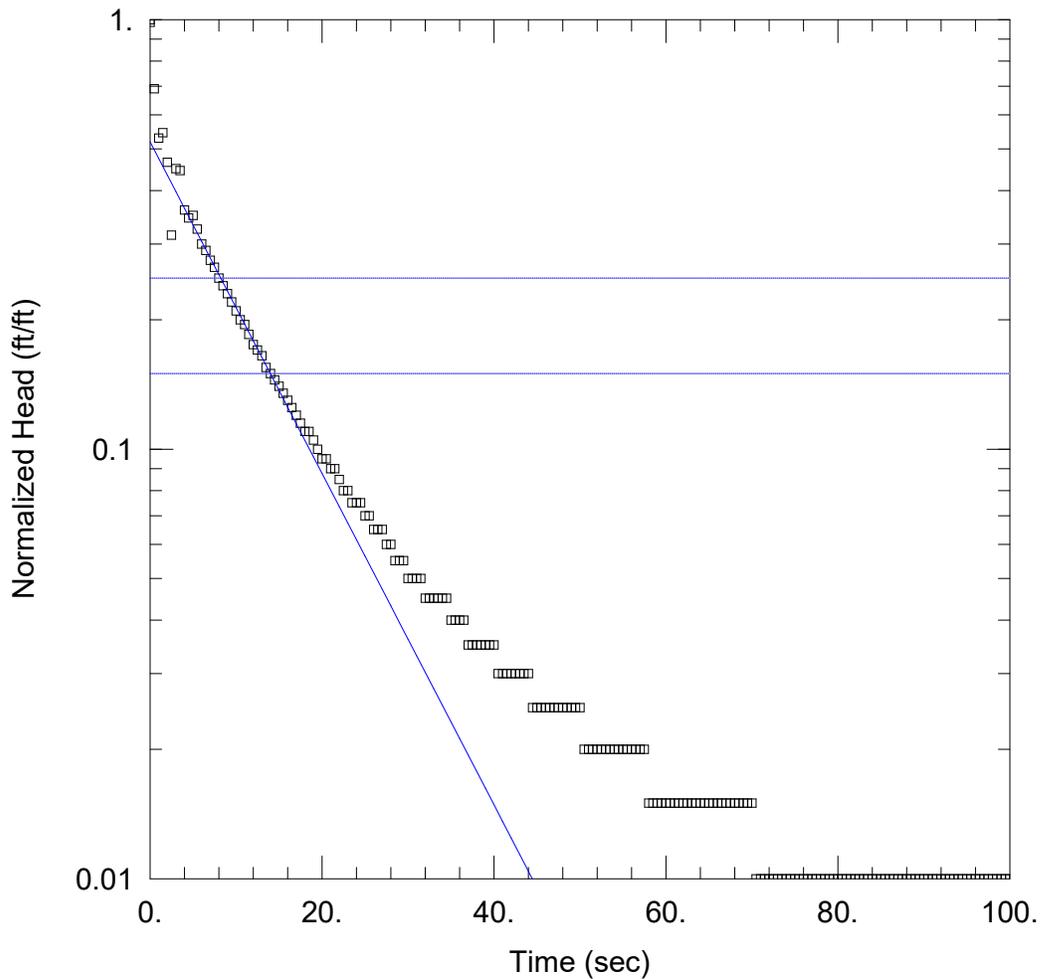
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 8.889E-5$ ft/sec

$y_0 = 1.12$ ft



MW119 FALLING 2

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW119_Slug in 2 Hvorslev.aqt
 Date: 06/02/20 Time: 10:12:05

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW119

AQUIFER DATA

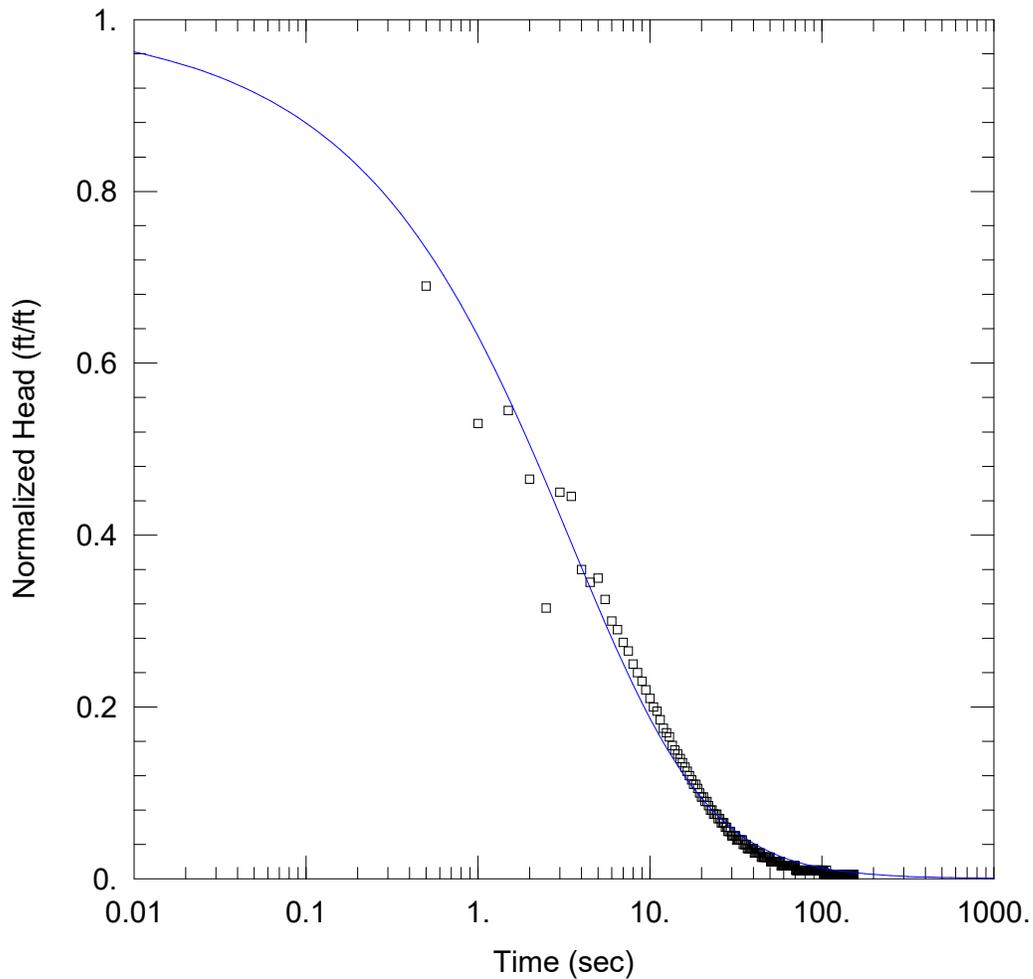
Saturated Thickness: 35. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW119)

Initial Displacement: 2. ft Static Water Column Height: 14.49 ft
 Total Well Penetration Depth: 27.3 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.333 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 K = 0.0001041 ft/sec y0 = 1.038 ft



MW119 FALLING 2

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW119_Slug in 2 KGS.aqt
 Date: 06/02/20 Time: 10:13:11

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW119

AQUIFER DATA

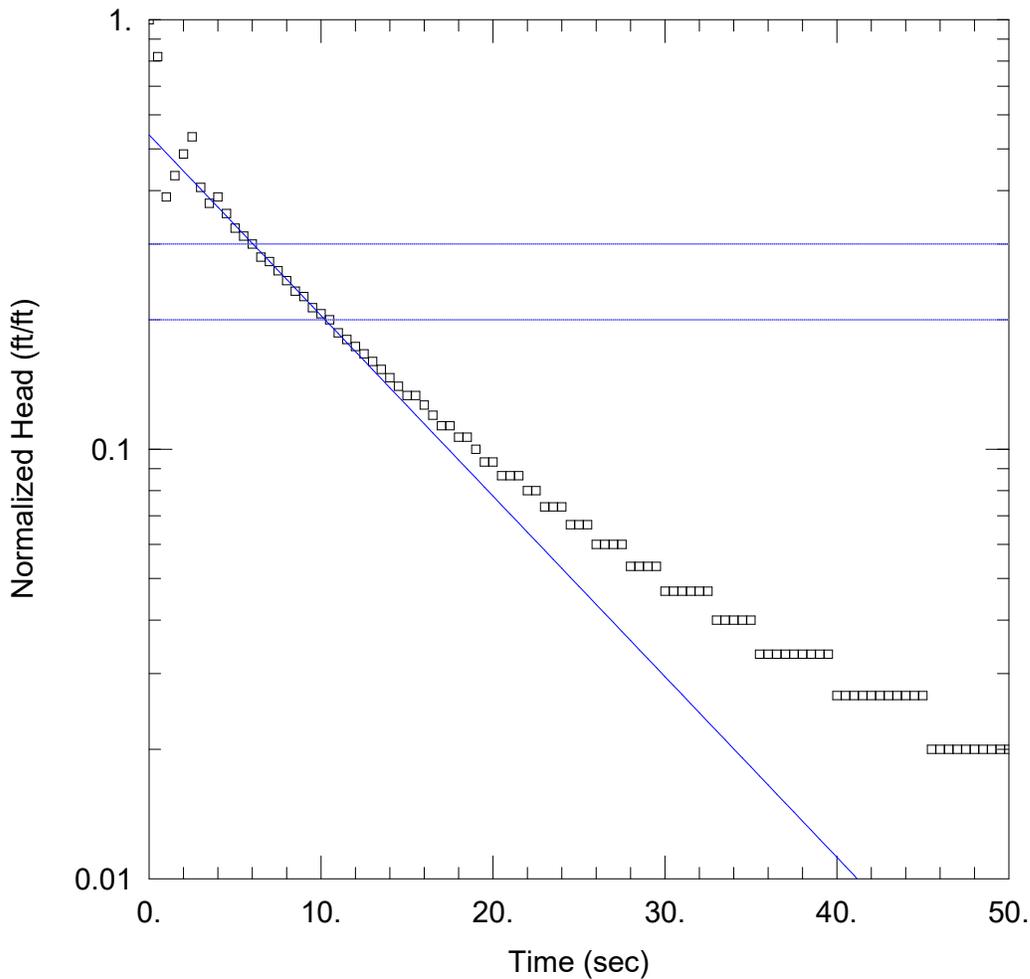
Saturated Thickness: 35. ft

WELL DATA (MW119)

Initial Displacement: <u>2. ft</u>	Static Water Column Height: <u>14.49 ft</u>
Total Well Penetration Depth: <u>27.3 ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.333 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>0.0001046 ft/sec</u>	Ss = <u>0.001103 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



MW119 FALLING 3

Data Set: C:\...\MW119_Slug in 3 Bower-Rice.aqt

Date: 06/02/20

Time: 10:24:24

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW119

AQUIFER DATA

Saturated Thickness: 35. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW119)

Initial Displacement: 1.5 ft

Static Water Column Height: 14.49 ft

Total Well Penetration Depth: 27.3 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.333 ft

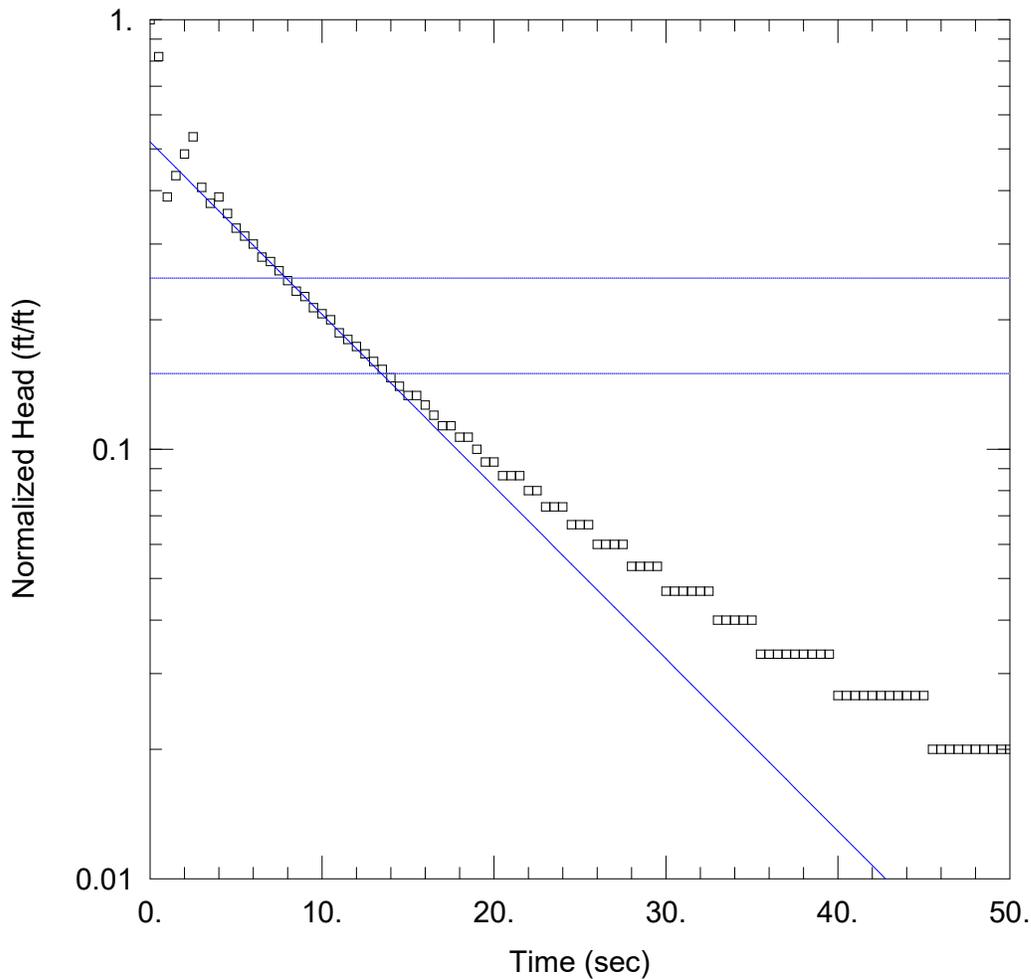
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 8.948E-5$ ft/sec

$y_0 = 0.8083$ ft



MW119 FALLING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW119_Slug in_3 Hvorslev.aqt
 Date: 06/02/20 Time: 10:23:56

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW119

AQUIFER DATA

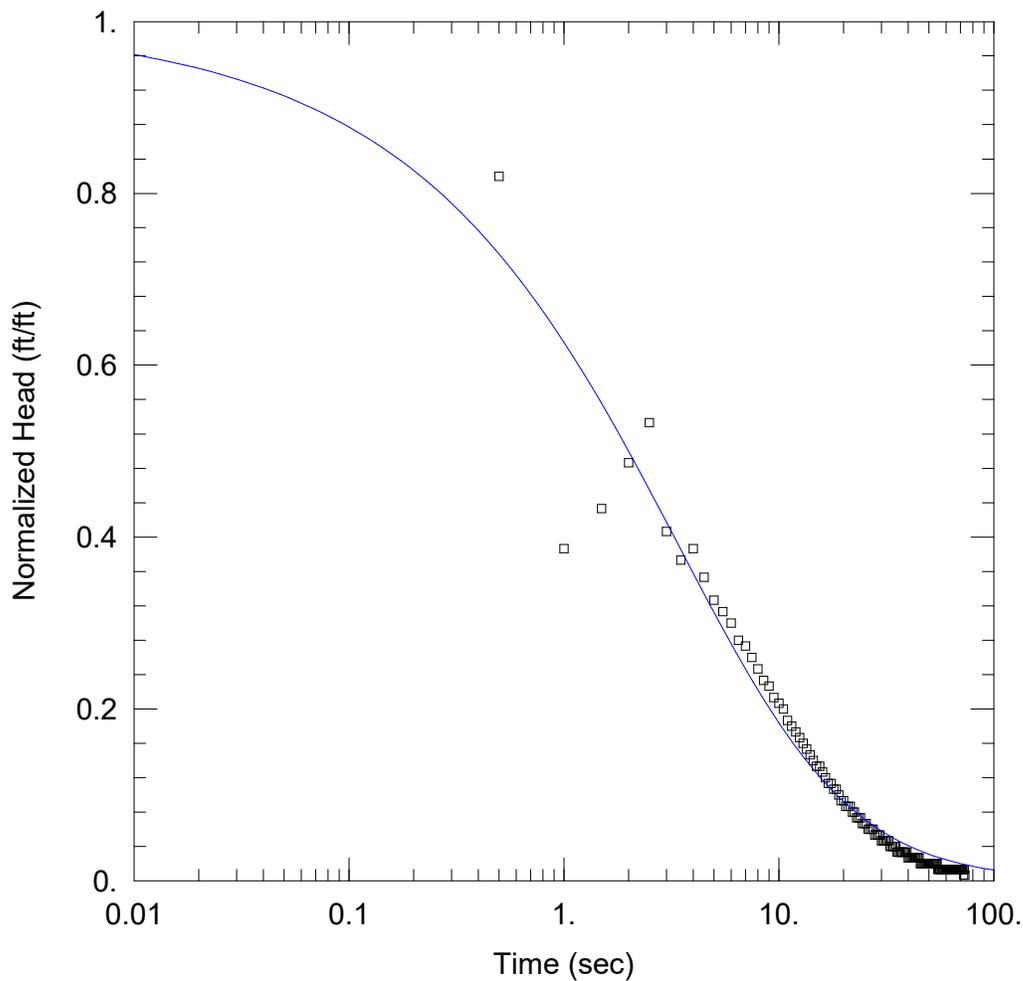
Saturated Thickness: 35. ft Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW119)

Initial Displacement: 1.5 ft Static Water Column Height: 14.49 ft
 Total Well Penetration Depth: 27.3 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.333 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 $K = 0.0001083$ ft/sec $y_0 = 0.7783$ ft



MW119 FALLING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW119_Slug in_3 KGS.aqt
 Date: 06/02/20 Time: 10:25:56

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW119

AQUIFER DATA

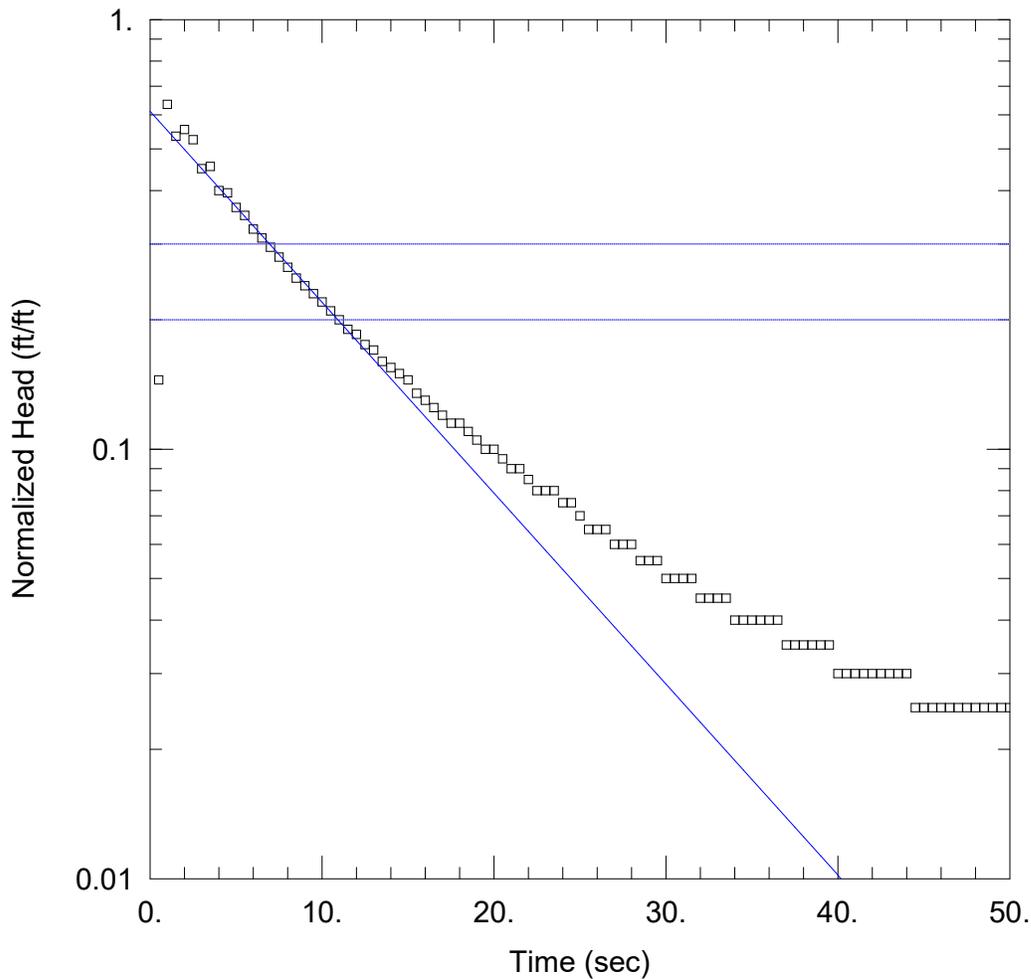
Saturated Thickness: 35. ft

WELL DATA (MW119)

Initial Displacement: <u>1.5 ft</u>	Static Water Column Height: <u>14.49 ft</u>
Total Well Penetration Depth: <u>27.3 ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.333 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>0.0001055 ft/sec</u>	Ss = <u>0.001144 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



MW119 RISING 1

Data Set: C:\...\MW119_Slug out_1 Bower-Rice.aqt

Date: 06/02/20

Time: 10:01:35

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW119

AQUIFER DATA

Saturated Thickness: 35. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW119)

Initial Displacement: -2. ft

Static Water Column Height: 14.49 ft

Total Well Penetration Depth: 27.3 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.333 ft

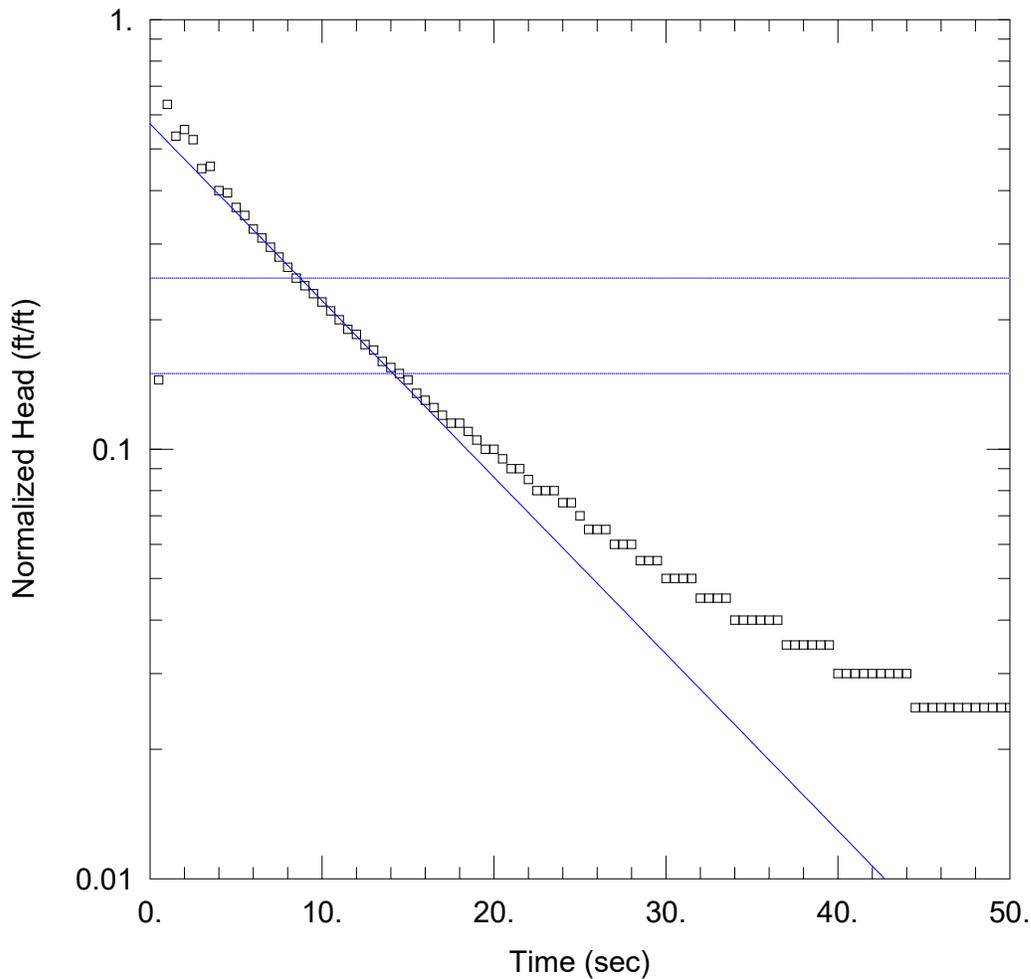
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 9.462E-5$ ft/sec

$y_0 = -1.223$ ft



MW119 RISING 1

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW119_Slug out_1 Hvorslev.aqt
 Date: 06/02/20 Time: 10:02:26

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW119

AQUIFER DATA

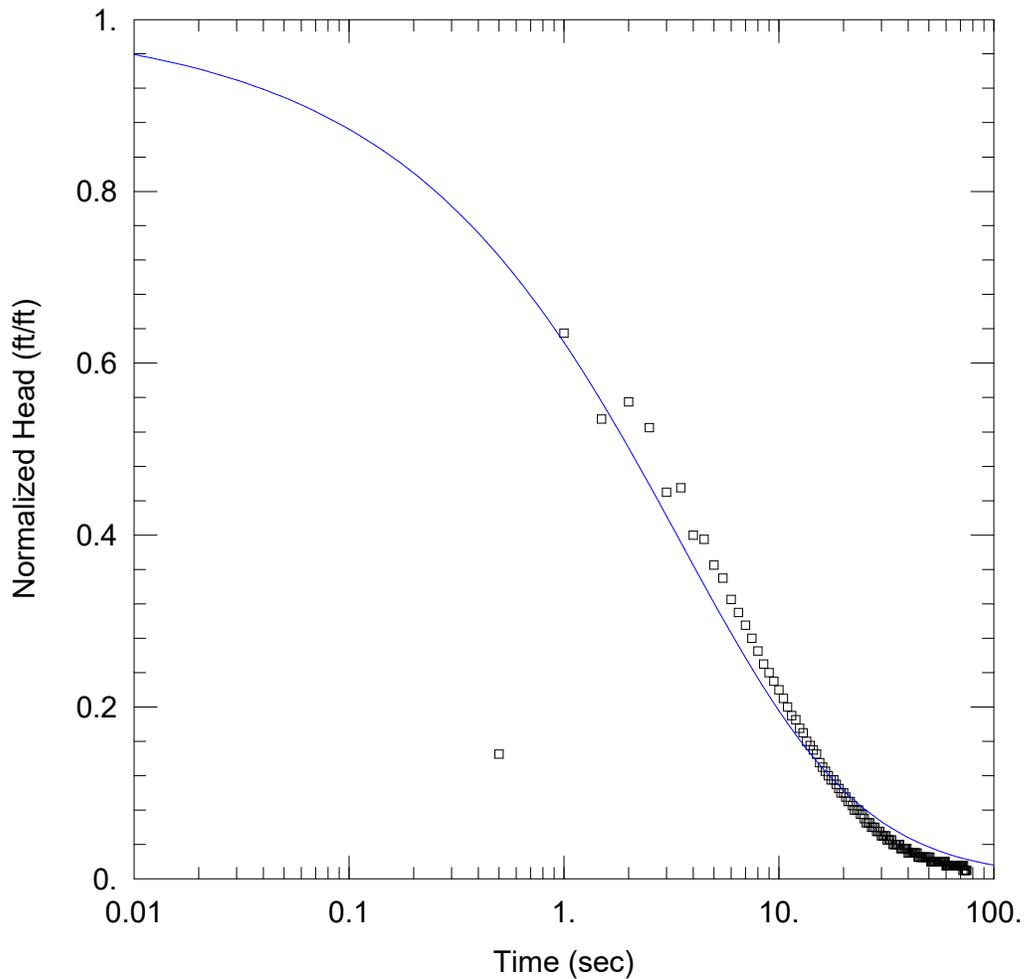
Saturated Thickness: 35. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW119)

Initial Displacement: -2. ft Static Water Column Height: 14.49 ft
 Total Well Penetration Depth: 27.3 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.333 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 K = 0.000111 ft/sec y0 = -1.143 ft



MW119 RISING 1

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW119_Slug out_1 KGS.aqt

Date: 06/02/20

Time: 10:09:11

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW119

AQUIFER DATA

Saturated Thickness: 35. ft

WELL DATA (MW119)

Initial Displacement: -2. ft

Total Well Penetration Depth: 27.3 ft

Casing Radius: 0.083 ft

Static Water Column Height: 14.49 ft

Screen Length: 10. ft

Well Radius: 0.333 ft

SOLUTION

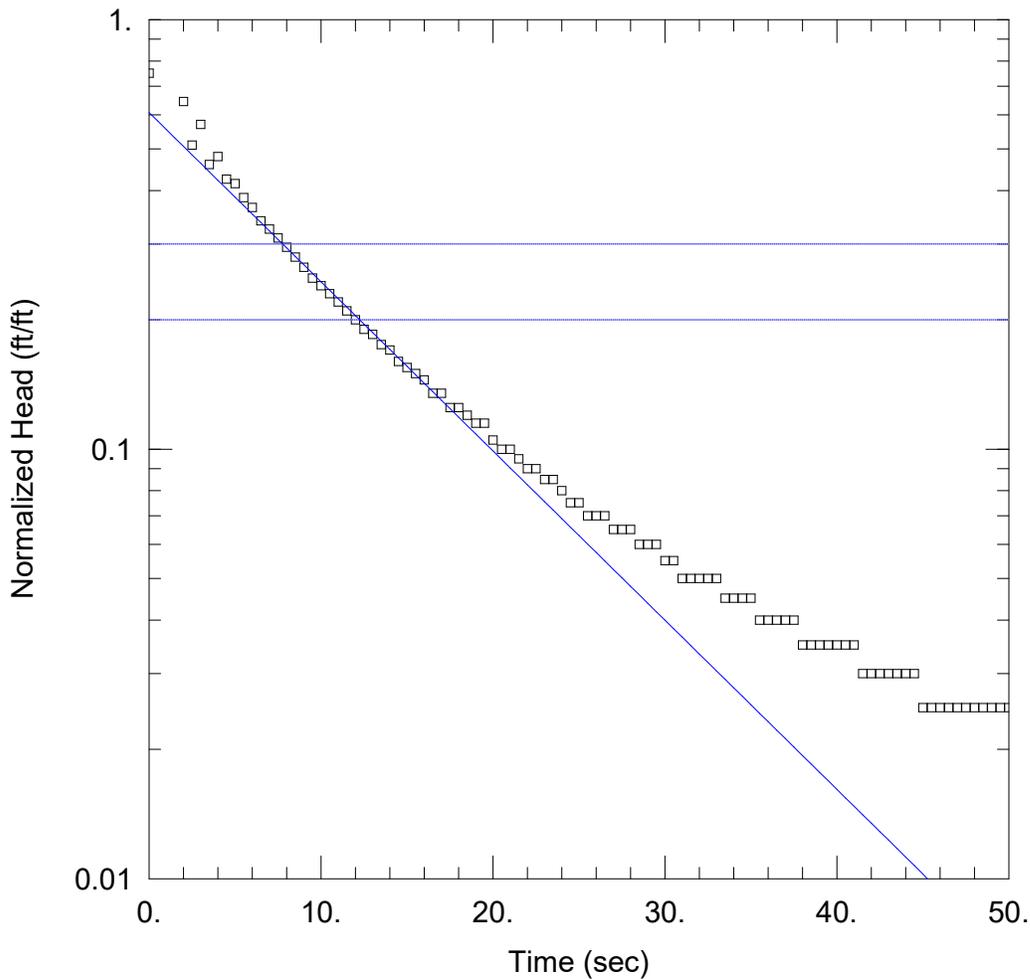
Aquifer Model: Confined

Kr = 9.071E-5 ft/sec

Kz/Kr = 1.

Solution Method: KGS Model

Ss = 0.001518 ft⁻¹



MW119 RISING 2

Data Set: C:\...\MW119_Slug out_2 Bower-Rice.aqt

Date: 06/02/20

Time: 10:14:23

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW119

AQUIFER DATA

Saturated Thickness: 35. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW119)

Initial Displacement: -2. ft

Static Water Column Height: 14.49 ft

Total Well Penetration Depth: 27.3 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.333 ft

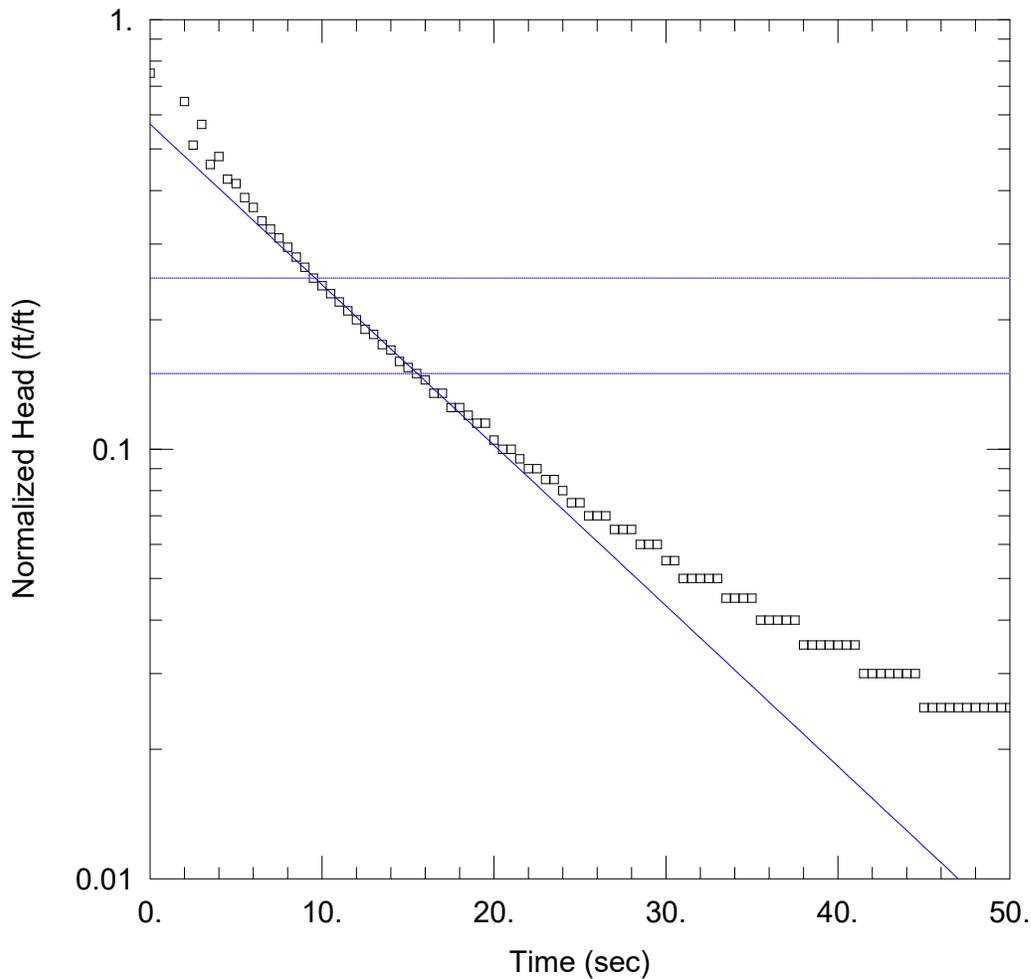
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 8.384E-5$ ft/sec

$y_0 = -1.215$ ft



MW119 RISING 2

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW119_Slug out_2 Hvorslev.aqt
 Date: 06/02/20 Time: 10:16:10

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW119

AQUIFER DATA

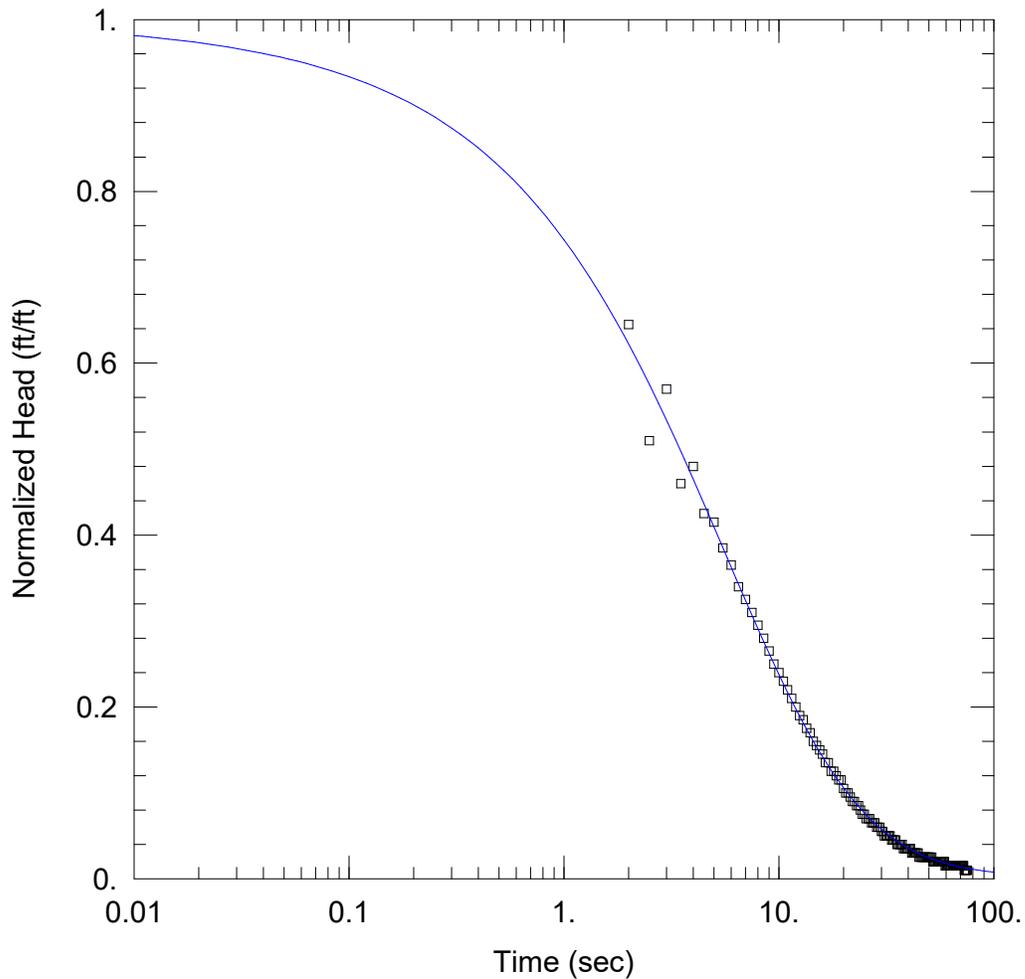
Saturated Thickness: 35. ft Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW119)

Initial Displacement: -2. ft Static Water Column Height: 14.49 ft
 Total Well Penetration Depth: 27.3 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.333 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 $K = 0.0001009$ ft/sec $y_0 = -1.142$ ft



MW119 RISING 2

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW119_Slug out_2 KGS.aqt
 Date: 06/02/20 Time: 10:17:28

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW119

AQUIFER DATA

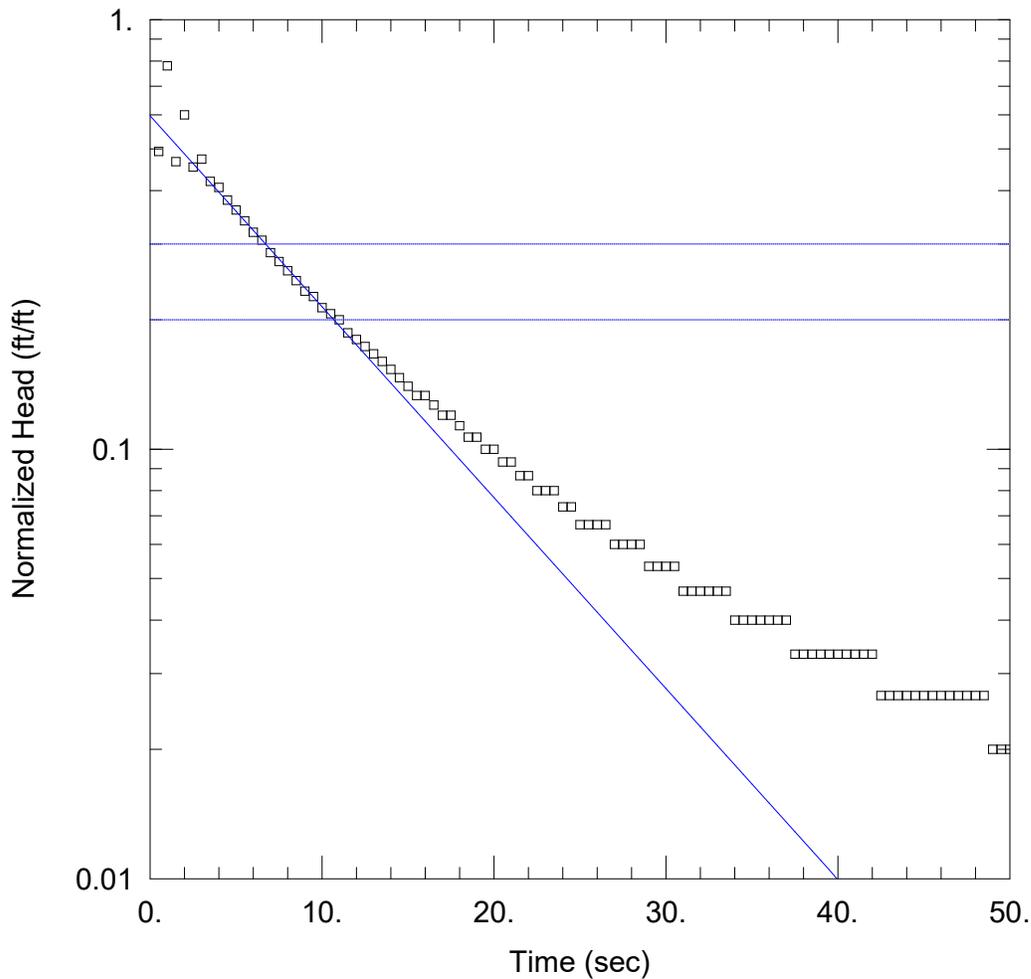
Saturated Thickness: 35. ft

WELL DATA (MW119)

Initial Displacement: <u>-2. ft</u>	Static Water Column Height: <u>14.49 ft</u>
Total Well Penetration Depth: <u>27.3 ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.333 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>0.0001131 ft/sec</u>	Ss = <u>0.0002169 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



MW119 RISING 3

Data Set: C:\...\MW119_Slug out_3 Bower-Rice.aqt

Date: 06/02/20

Time: 10:28:29

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW119

AQUIFER DATA

Saturated Thickness: 35. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW119)

Initial Displacement: -1.5 ft

Static Water Column Height: 14.49 ft

Total Well Penetration Depth: 27.3 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.333 ft

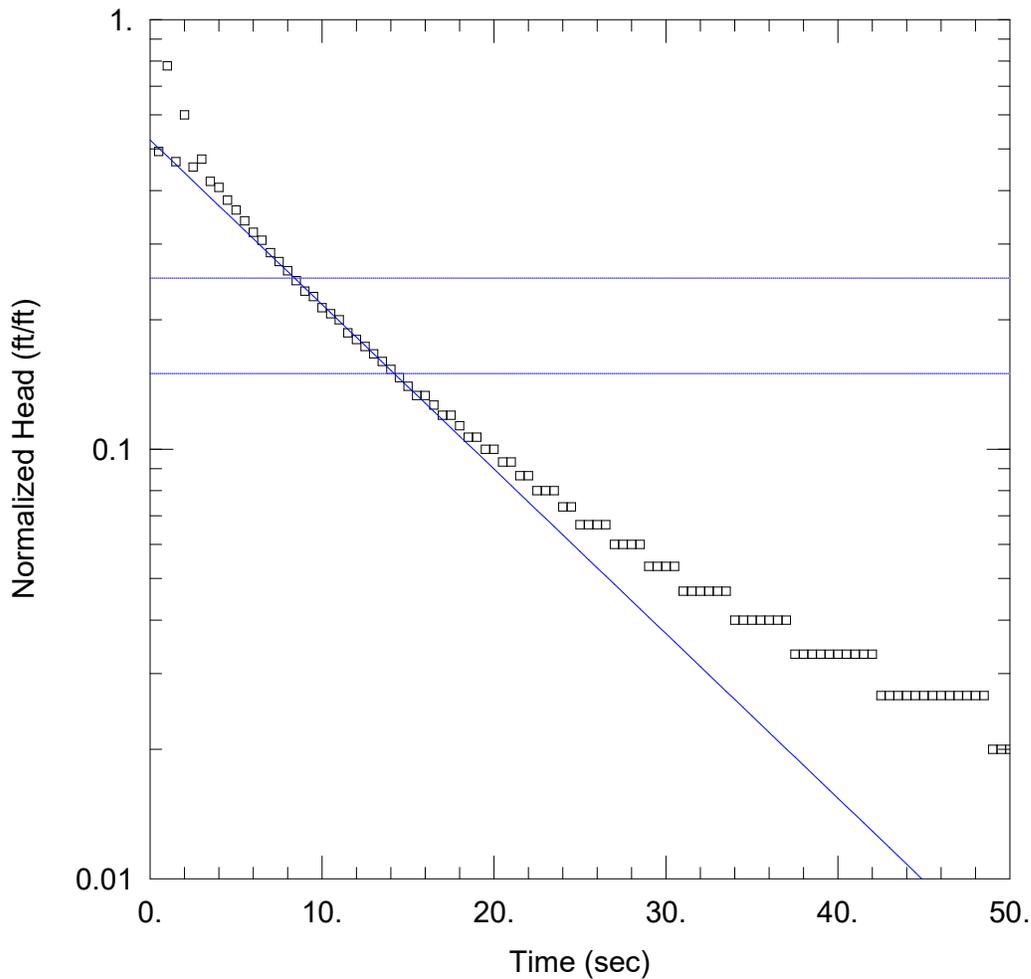
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 9.462E-5$ ft/sec

$y_0 = -0.8954$ ft



MW119 RISING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW119_Slug out_3 Hvorslev.aqt
 Date: 06/02/20 Time: 10:28:07

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW119

AQUIFER DATA

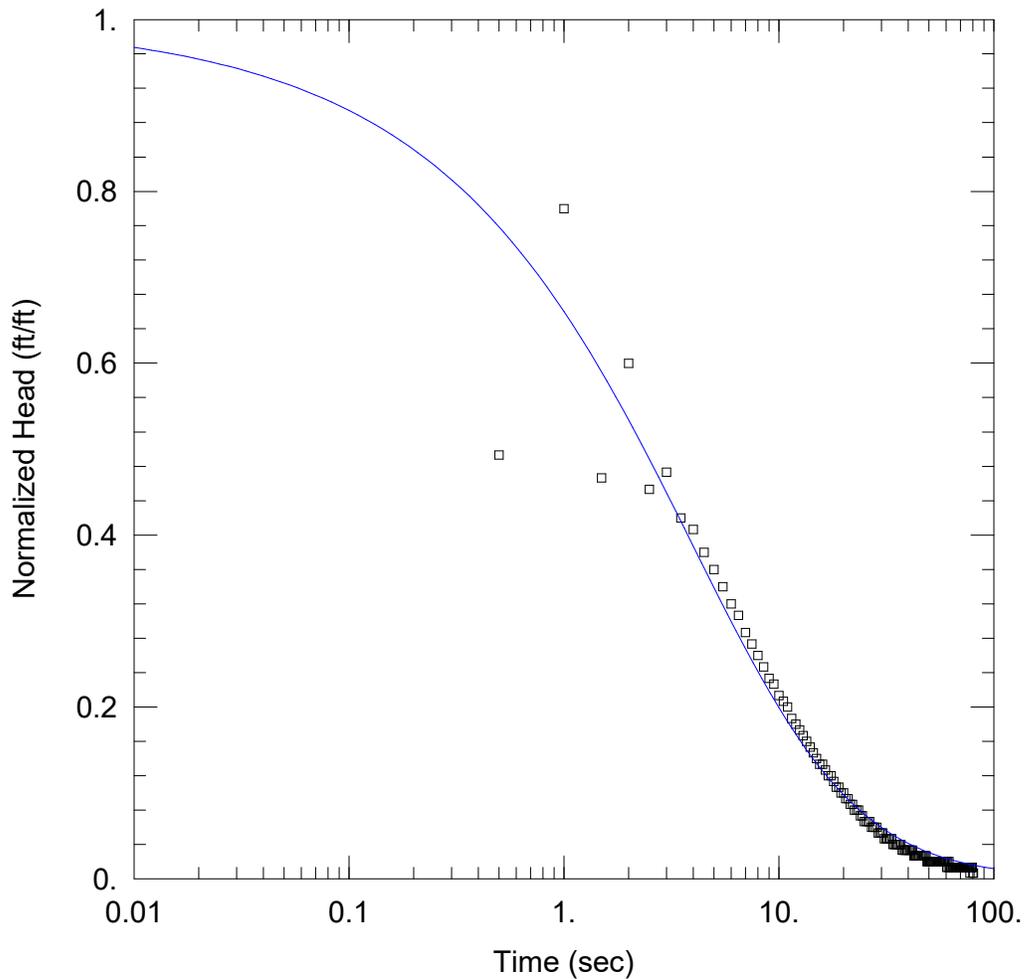
Saturated Thickness: 35. ft Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW119)

Initial Displacement: -1.5 ft Static Water Column Height: 14.49 ft
 Total Well Penetration Depth: 27.3 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.333 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 $K = 0.0001034$ ft/sec $y_0 = -0.787$ ft



MW119 RISING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW119_Slug out_3 KGS.aqt
 Date: 06/02/20 Time: 10:27:48

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW119

AQUIFER DATA

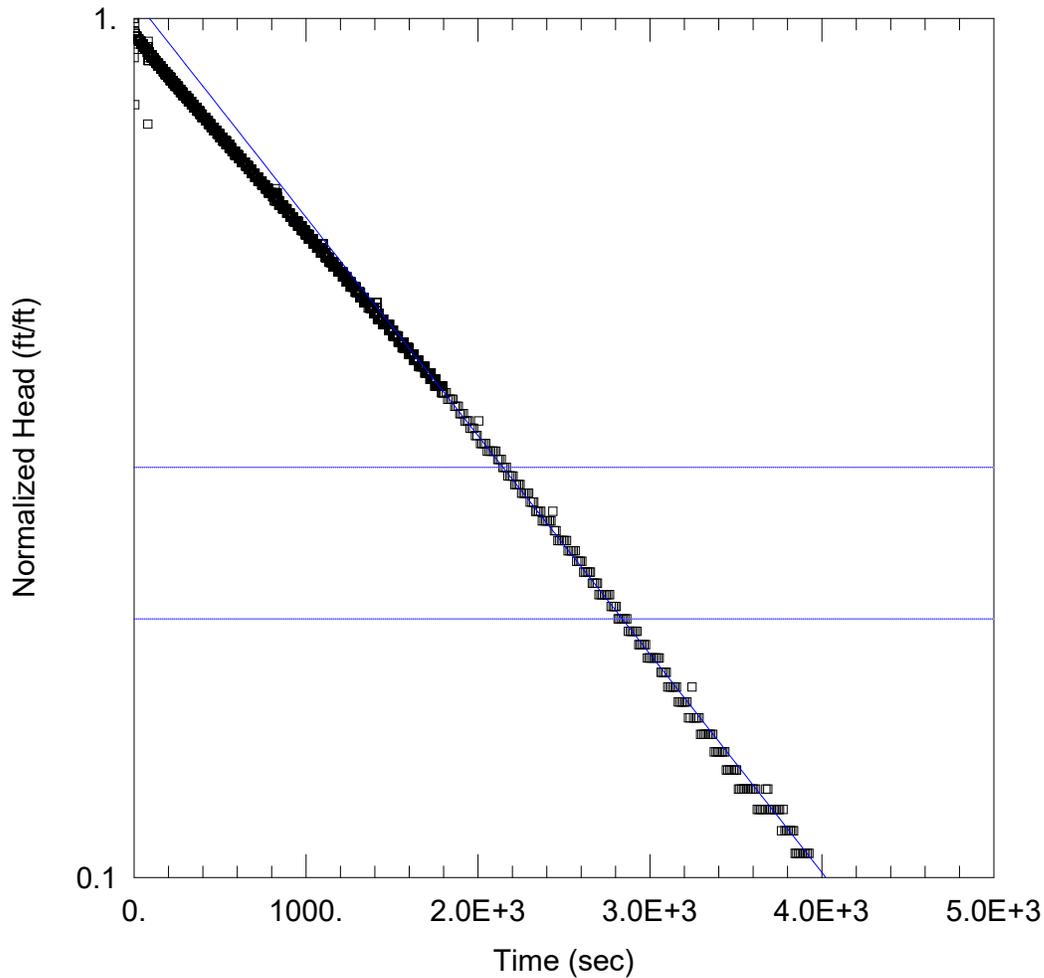
Saturated Thickness: 35. ft

WELL DATA (MW119)

Initial Displacement: -1.5 ft Static Water Column Height: 14.49 ft
 Total Well Penetration Depth: 27.3 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.333 ft

SOLUTION

Aquifer Model: Confined Solution Method: KGS Model
 Kr = 0.0001058 ft/sec Ss = 0.0007864 ft⁻¹
 Kz/Kr = 1.



FALLING 1

Data Set: C:\...\MW-311 Slug In 1 Bower-Rice Confined.aqt
 Date: 02/26/21 Time: 12:16:28

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02
 Location: Seattle, WA
 Test Well: MW-311
 Test Date: 12/17/19

AQUIFER DATA

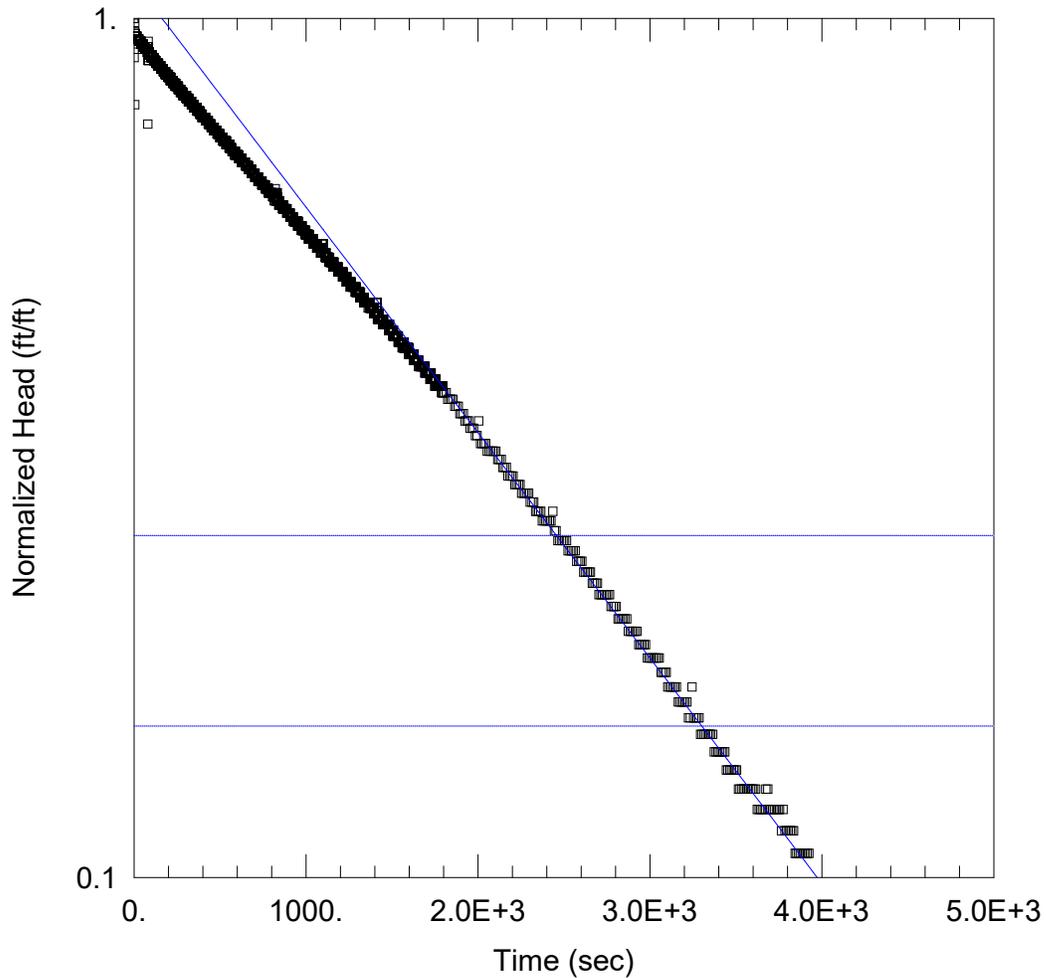
Saturated Thickness: 30. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-311)

Initial Displacement: 1.5 ft Static Water Column Height: 55.12 ft
 Total Well Penetration Depth: 24. ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined Solution Method: Bower-Rice
 K = 7.659E-7 ft/sec y0 = 1.58 ft



FALLING 1

Data Set: C:\...\MW-311 Slug In 1 Hvorslev Confined.aqt

Date: 02/26/21

Time: 12:15:54

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02

Location: Seattle, WA

Test Well: MW-311

Test Date: 12/17/19

AQUIFER DATA

Saturated Thickness: 30. ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-311)

Initial Displacement: 1.5 ft

Static Water Column Height: 55.12 ft

Total Well Penetration Depth: 24. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.083 ft

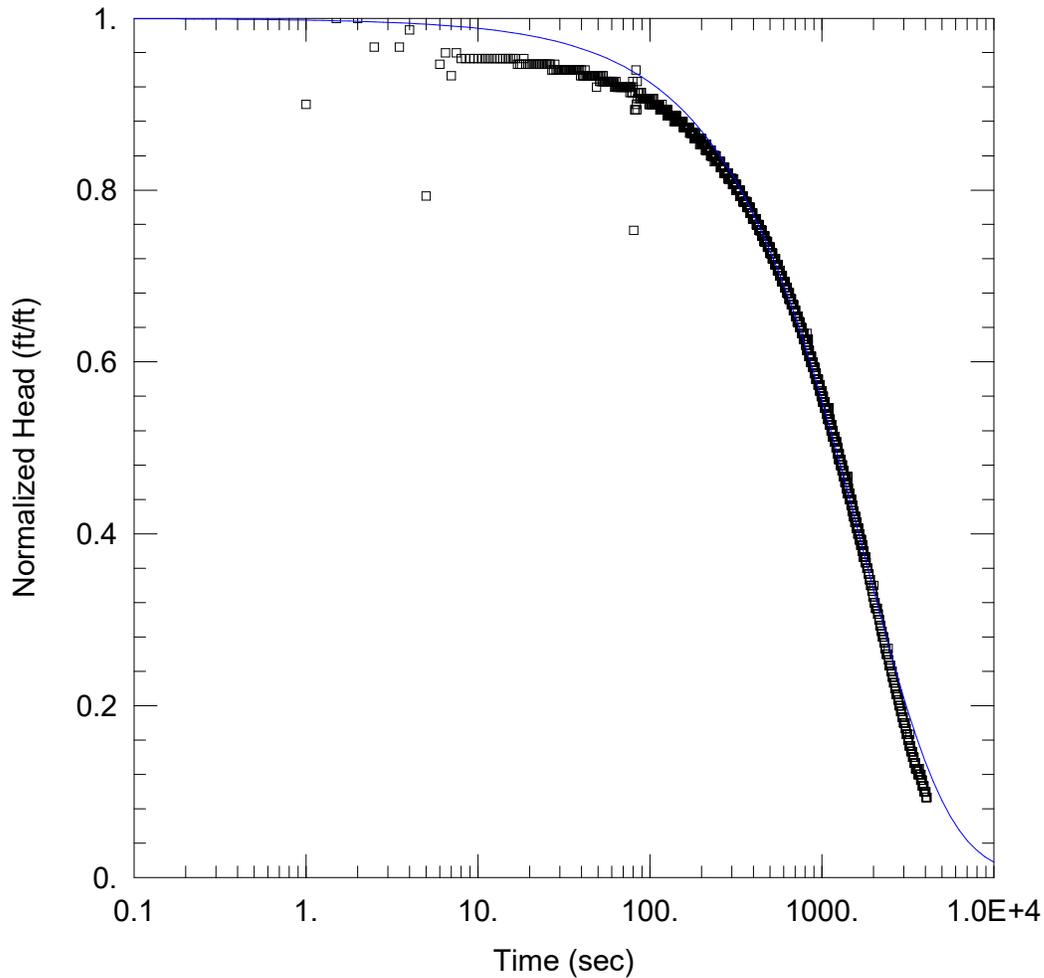
SOLUTION

Aquifer Model: Confined

Solution Method: Hvorslev

K = 9.973E-7 ft/sec

y0 = 1.654 ft



FALLING 1

Data Set: C:\...\MW-311 Slug In 1 KGS Confined.aqt

Date: 02/26/21

Time: 12:15:04

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02

Location: Seattle, WA

Test Well: MW-311

Test Date: 12/17/19

AQUIFER DATA

Saturated Thickness: 30. ft

WELL DATA (MW-311)

Initial Displacement: 1.5 ft

Total Well Penetration Depth: 24. ft

Casing Radius: 0.083 ft

Static Water Column Height: 55.12 ft

Screen Length: 10. ft

Well Radius: 0.083 ft

SOLUTION

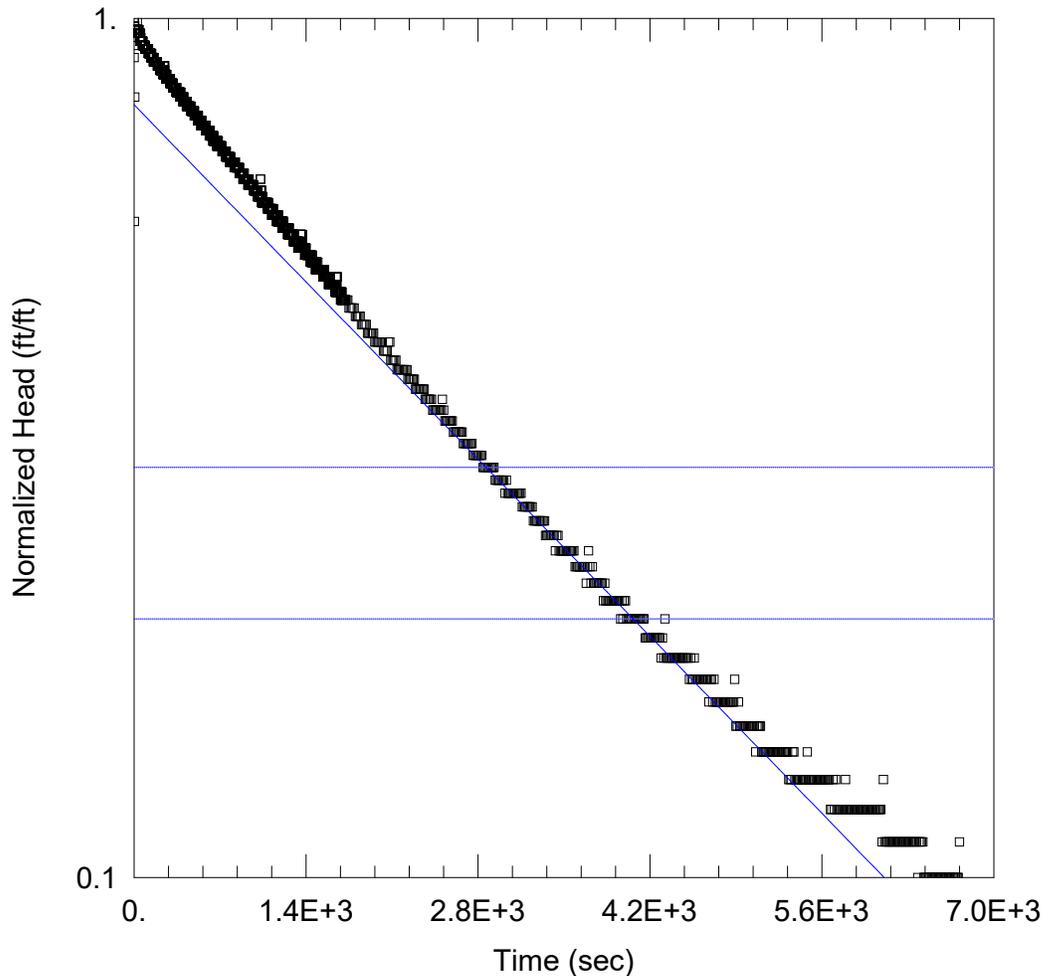
Aquifer Model: Confined

Solution Method: KGS Model

$K_r = 7.706E-7$ ft/sec

$S_s = 2.717E-5$ ft⁻¹

$K_z/K_r = 1$



FALLING 2

Data Set: C:\...\MW-311 Slug In 2 Bower-Rice Confined.aqt
 Date: 02/26/21 Time: 12:17:23

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02
 Location: Seattle, WA
 Test Well: MW-311
 Test Date: 12/17/19

AQUIFER DATA

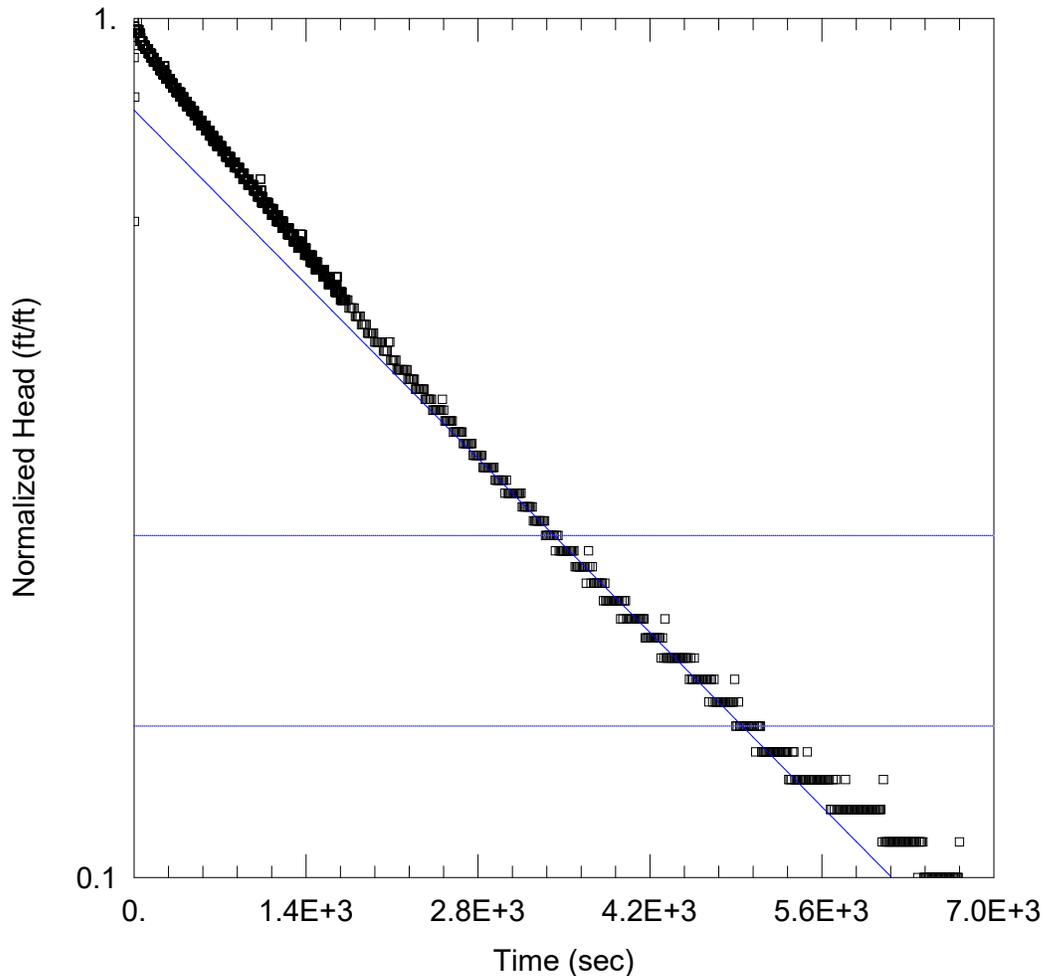
Saturated Thickness: 30. ft Anisotropy Ratio (Kz/Kr): 0.001

WELL DATA (MW-311)

Initial Displacement: 1. ft Static Water Column Height: 54.94 ft
 Total Well Penetration Depth: 24. ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined Solution Method: Bower-Rice
 K = 9.07E-7 ft/sec y0 = 0.793 ft



FALLING 2

Data Set: C:\...\MW-311 Slug In 2 Hvorslev Confined.aqt

Date: 02/26/21

Time: 12:23:01

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02

Location: Seattle, WA

Test Well: MW-311

Test Date: 12/17/19

AQUIFER DATA

Saturated Thickness: 30. ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-311)

Initial Displacement: 1. ft

Static Water Column Height: 54.94 ft

Total Well Penetration Depth: 24. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.083 ft

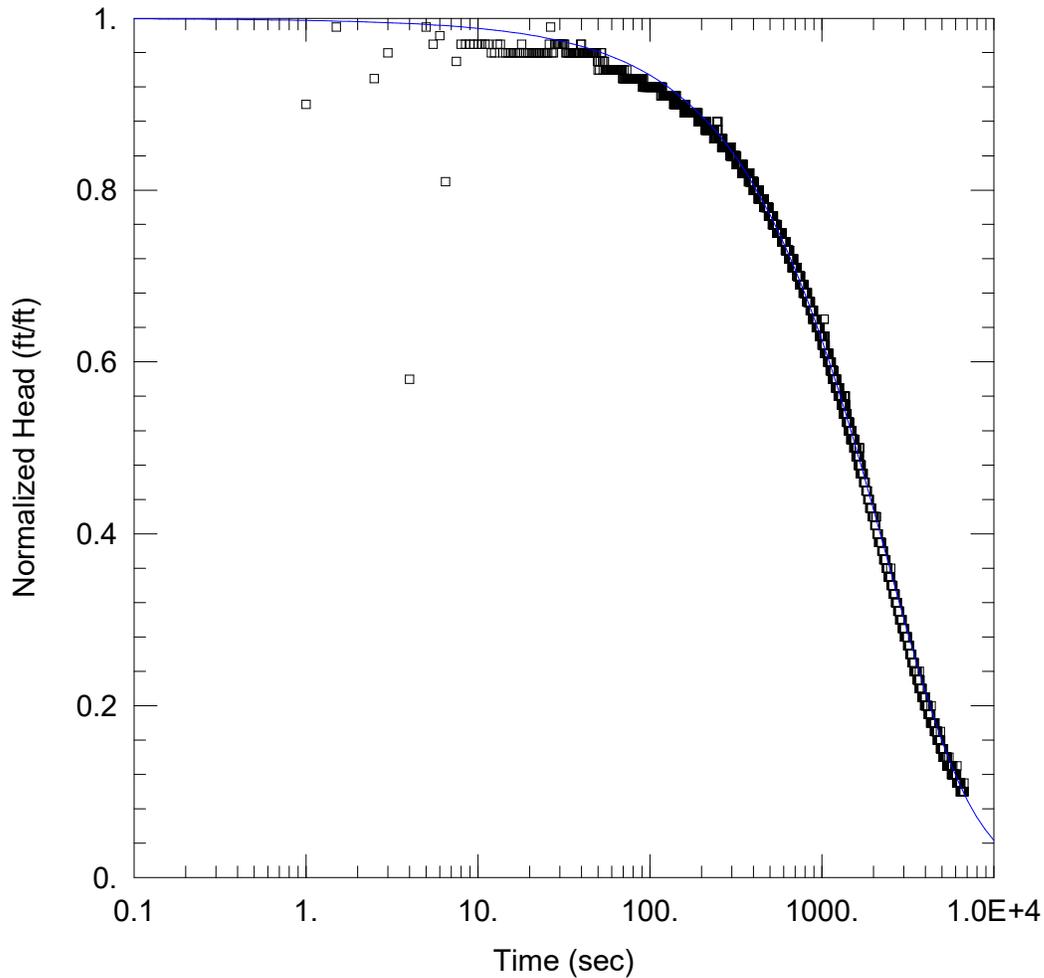
SOLUTION

Aquifer Model: Confined

Solution Method: Hvorslev

K = 5.503E-7 ft/sec

y0 = 0.7818 ft



FALLING 2

Data Set: C:\...\MW-311 Slug In 2 KGS Confined.aqt

Date: 02/26/21

Time: 12:22:24

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02

Location: Seattle, WA

Test Well: MW-311

Test Date: 12/17/19

AQUIFER DATA

Saturated Thickness: 30. ft

WELL DATA (MW-311)

Initial Displacement: 1. ft

Total Well Penetration Depth: 24. ft

Casing Radius: 0.083 ft

Static Water Column Height: 54.94 ft

Screen Length: 10. ft

Well Radius: 0.083 ft

SOLUTION

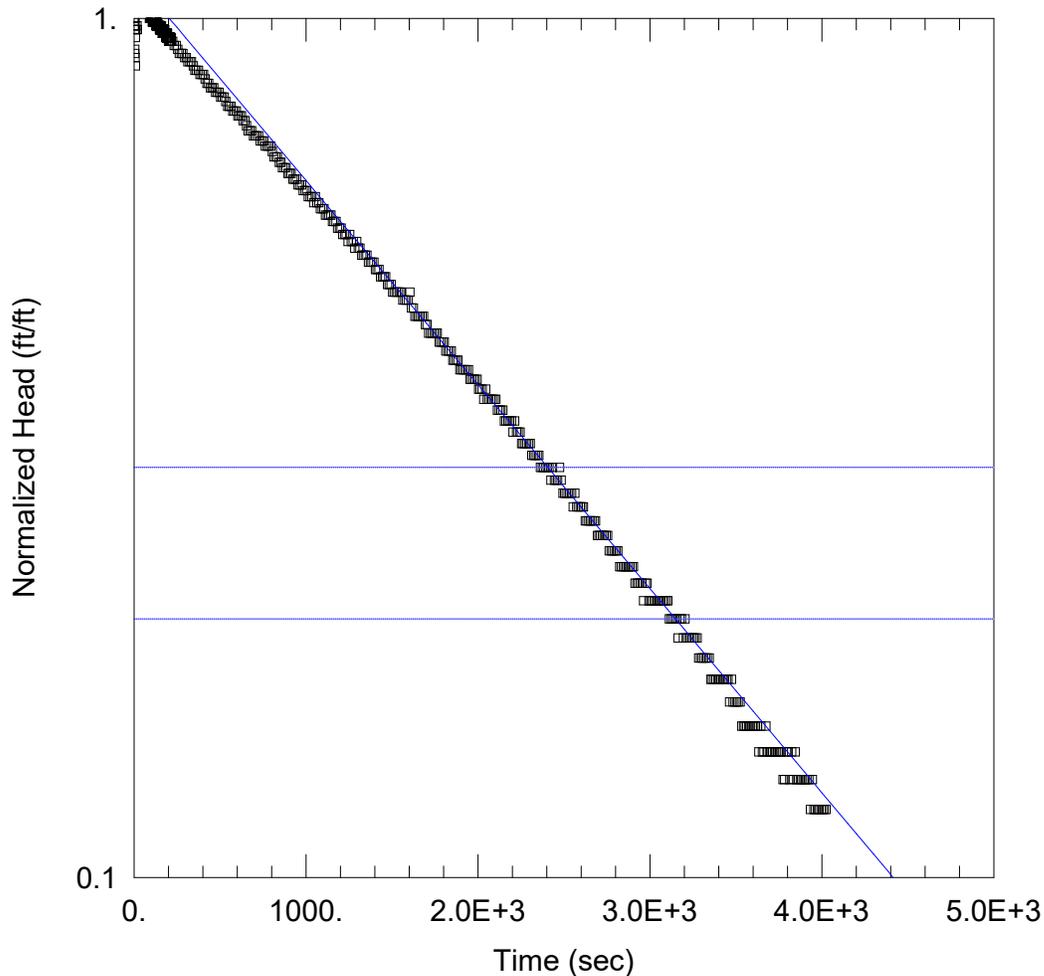
Aquifer Model: Confined

Solution Method: KGS Model

Kr = 5.338E-7 ft/sec

Ss = 8.154E-5 ft⁻¹

Kz/Kr = 1



FALLING 3

Data Set: C:\...\MW-311 Slug In 3 Bower-Rice confined.aqt

Date: 02/26/21

Time: 12:24:23

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02

Location: Seattle, WA

Test Well: MW-311

Test Date: 12/17/19

AQUIFER DATA

Saturated Thickness: 30. ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-311)

Initial Displacement: 1. ft

Static Water Column Height: 56.58 ft

Total Well Penetration Depth: 24. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.083 ft

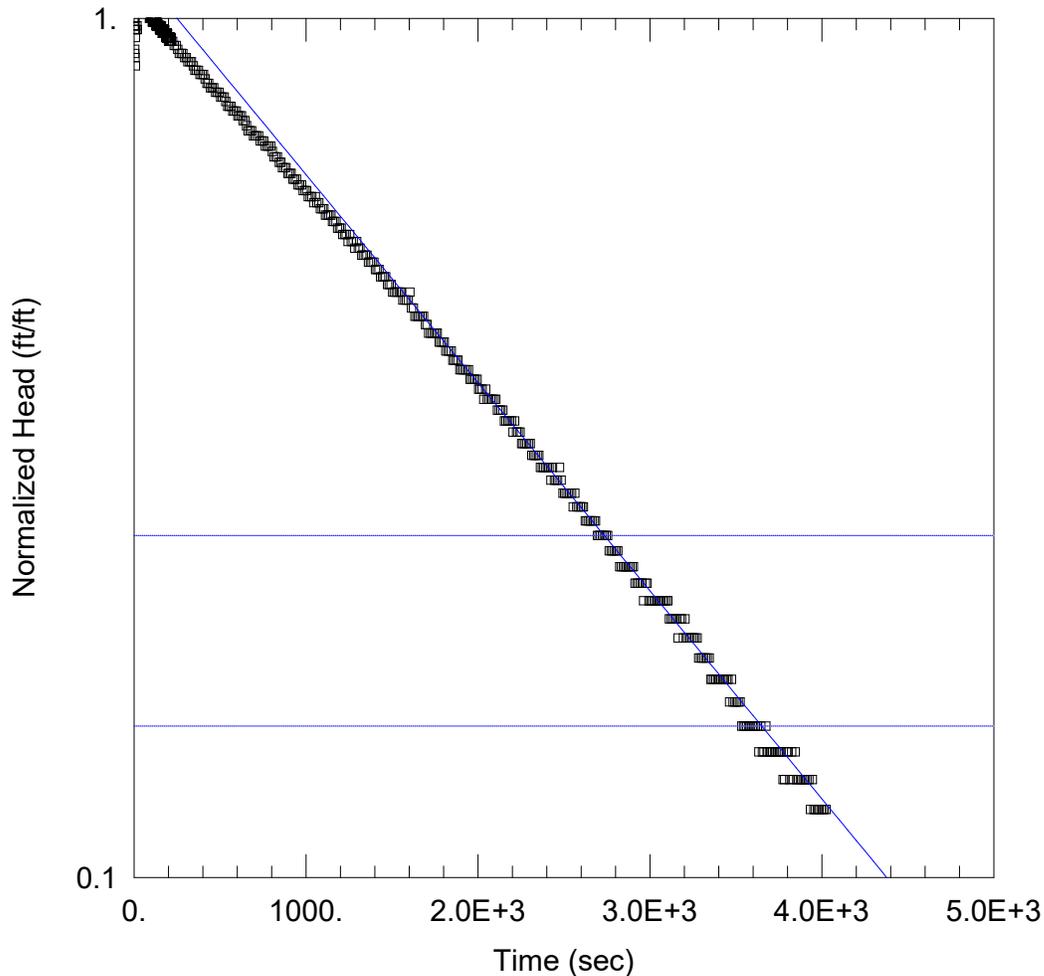
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

K = 7.157E-7 ft/sec

y0 = 1.119 ft



FALLING 3

Data Set: C:\...\MW-311 Slug In 3 Hvorslev Confined.aqt

Date: 02/26/21

Time: 12:25:20

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02

Location: Seattle, WA

Test Well: MW-311

Test Date: 12/17/19

AQUIFER DATA

Saturated Thickness: 30. ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-311)

Initial Displacement: 1. ft

Static Water Column Height: 56.58 ft

Total Well Penetration Depth: 24. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.083 ft

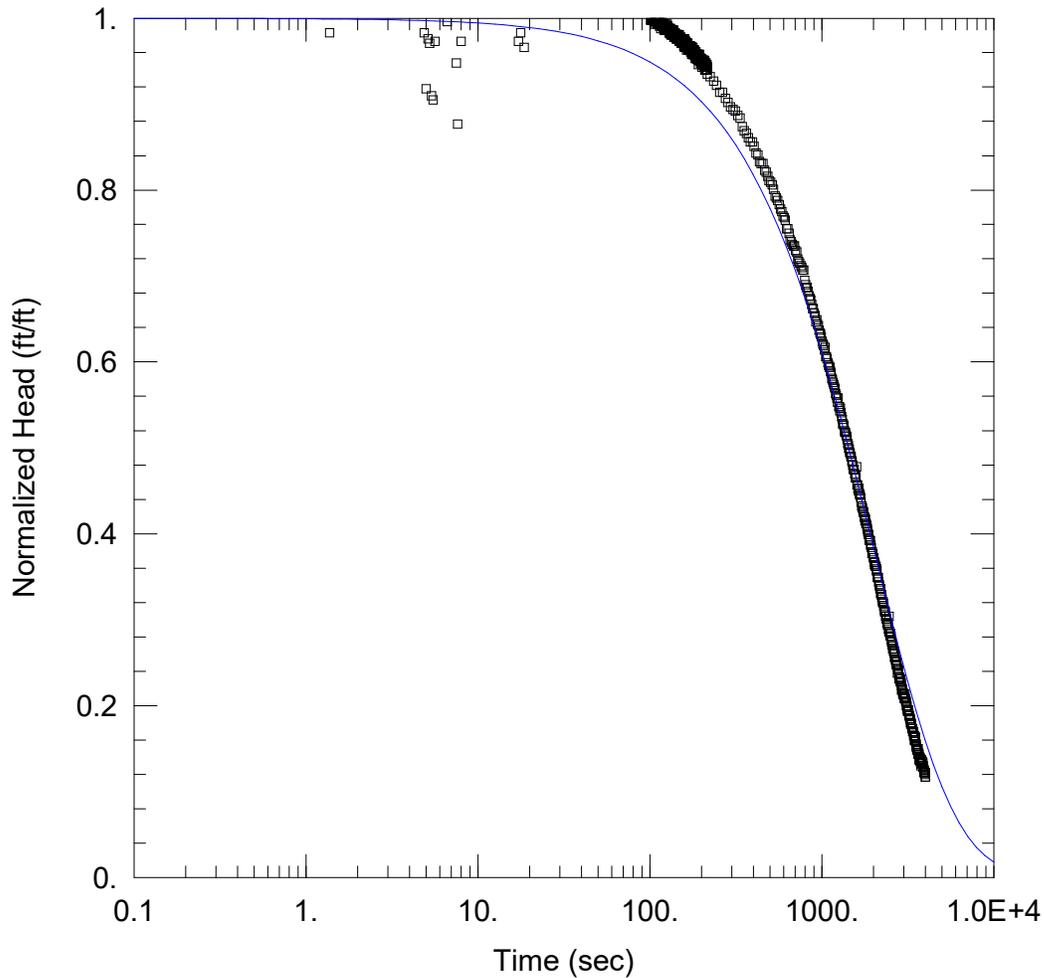
SOLUTION

Aquifer Model: Confined

Solution Method: Hvorslev

K = 9.206E-7 ft/sec

y0 = 1.149 ft



FALLING 3

Data Set: C:\...\MW-311 Slug In 3 KGS confined 2.aqt

Date: 02/26/21

Time: 12:46:51

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02

Location: Seattle, WA

Test Well: MW-311

Test Date: 12/17/19

AQUIFER DATA

Saturated Thickness: 30. ft

WELL DATA (MW-311)

Initial Displacement: 1. ft

Total Well Penetration Depth: 24. ft

Casing Radius: 0.083 ft

Static Water Column Height: 56.58 ft

Screen Length: 10. ft

Well Radius: 0.083 ft

SOLUTION

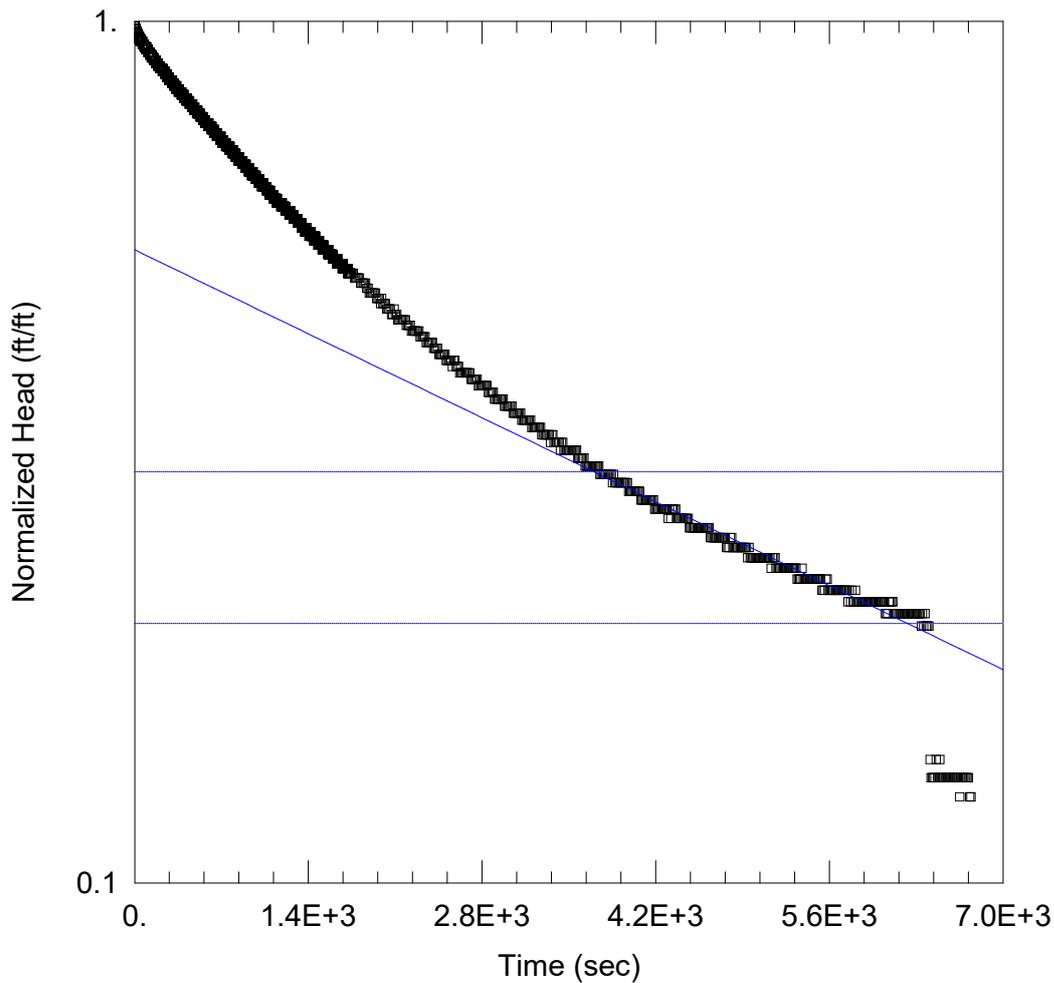
Aquifer Model: Confined

Solution Method: KGS Model

Kr = 1.12E-6 ft/sec

Ss = 3.333E-12 ft⁻¹

Kz/Kr = 1



RISING 1

Data Set: C:\...\MW-311_Slug Out_1 Bower-Rice.aqt

Date: 01/07/20

Time: 12:07:31

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02

Location: Seattle, WA

Test Well: MW-311

Test Date: 12/17/19

AQUIFER DATA

Saturated Thickness: 30. ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-311)

Initial Displacement: -1.51 ft

Static Water Column Height: 55.22 ft

Total Well Penetration Depth: 24. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.083 ft

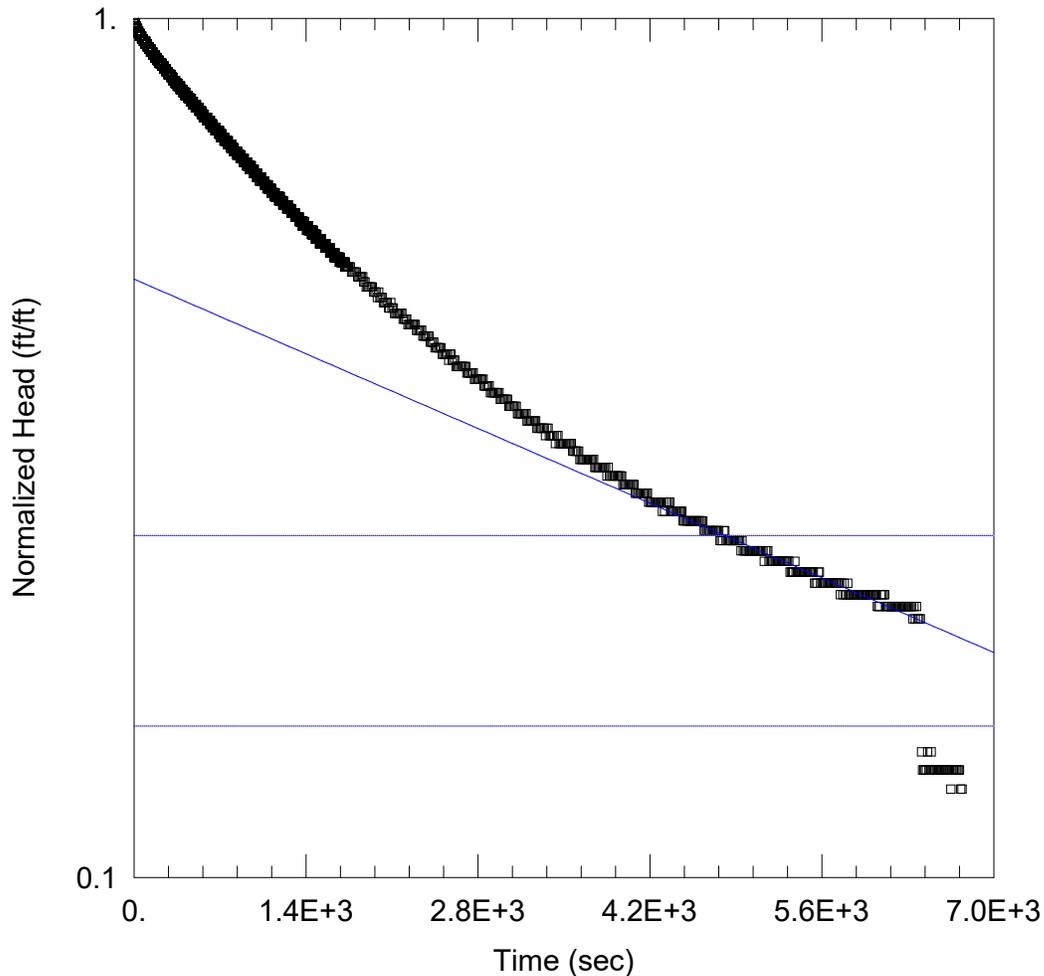
SOLUTION

Aquifer Model: Unconfined

Solution Method: Bower-Rice

K = 2.097E-7 ft/sec

y0 = -0.8198 ft



RISING 1

Data Set: C:\...\MW-311 Slug Out_1 Hvorslev Confined.aqt
 Date: 02/26/21 Time: 12:48:25

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02
 Location: Seattle, WA
 Test Well: MW-311
 Test Date: 12/17/19

AQUIFER DATA

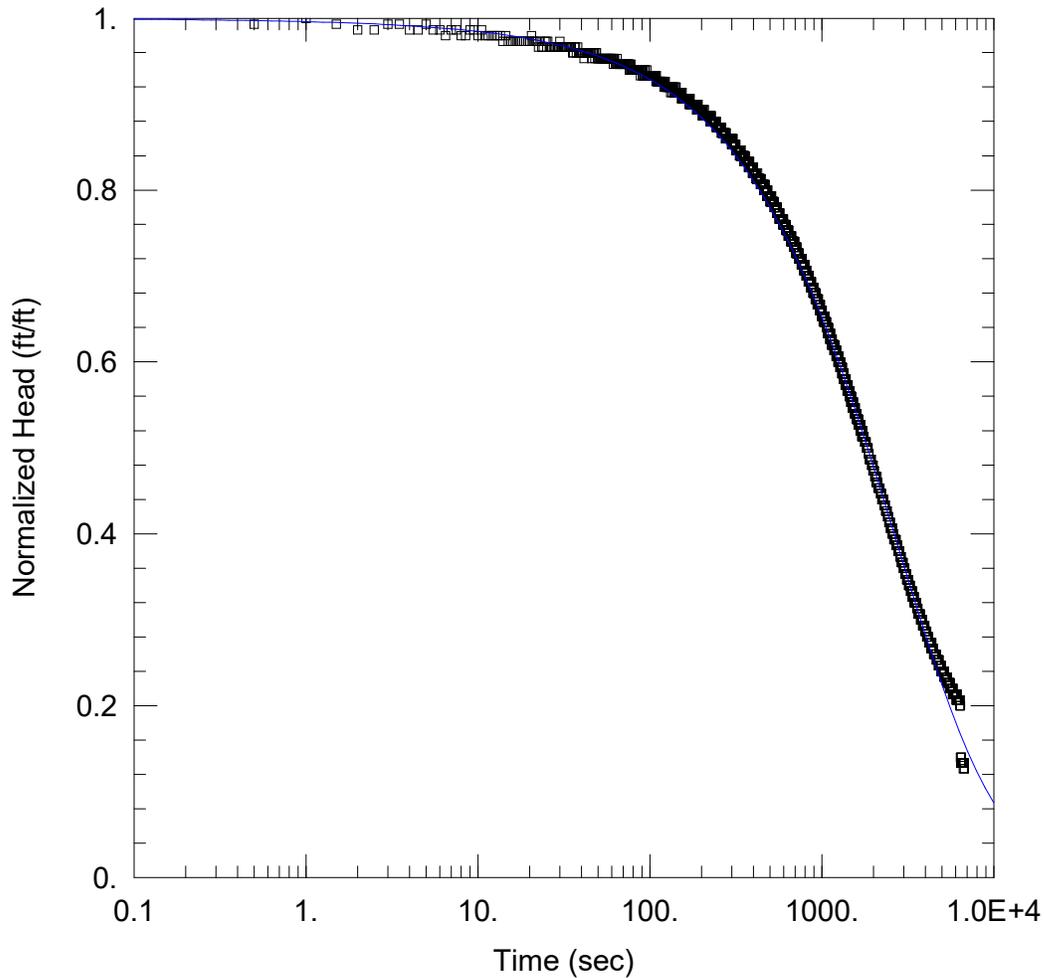
Saturated Thickness: 30. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-311)

Initial Displacement: -1.5 ft Static Water Column Height: 55.22 ft
 Total Well Penetration Depth: 24. ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 K = 2.359E-7 ft/sec y0 = -0.7454 ft



RISING 1

Data Set: C:\...\MW-311 Slug Out_1 KGS Confined.aqt

Date: 02/26/21

Time: 12:47:55

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02

Location: Seattle, WA

Test Well: MW-311

Test Date: 12/17/19

AQUIFER DATA

Saturated Thickness: 30. ft

WELL DATA (MW-311)

Initial Displacement: -1.5 ft

Total Well Penetration Depth: 24. ft

Casing Radius: 0.083 ft

Static Water Column Height: 55.22 ft

Screen Length: 10. ft

Well Radius: 0.083 ft

SOLUTION

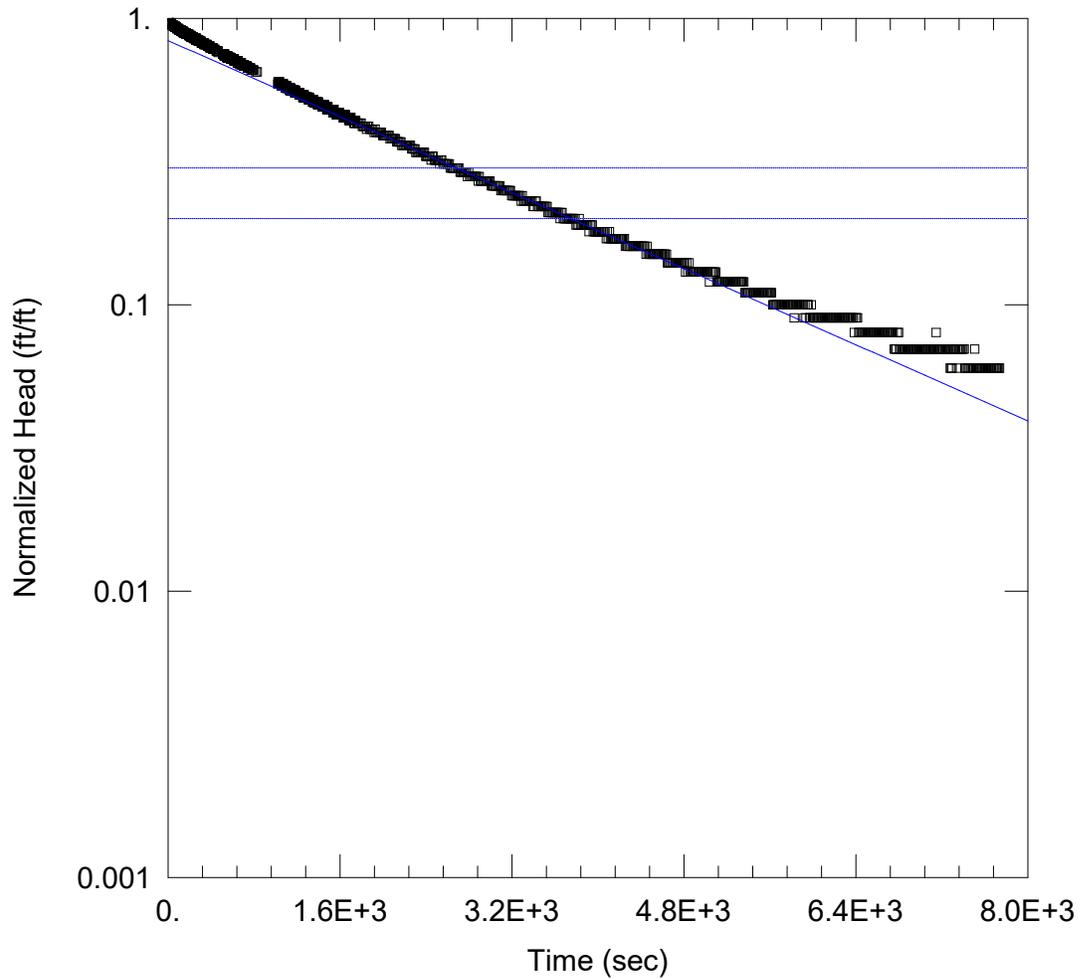
Aquifer Model: Confined

Solution Method: KGS Model

$K_r = 3.615E-7$ ft/sec

$S_s = 0.0004387$ ft⁻¹

$K_z/K_r = 1$



RISING 2

Data Set: C:\...\MW-311 Slug Out_2 Bower-Rice Confined.aqt

Date: 02/26/21

Time: 12:57:22

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02

Location: Seattle, WA

Test Well: MW-311

Test Date: 12/17/19

AQUIFER DATA

Saturated Thickness: 30. ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-311)

Initial Displacement: -1. ft

Static Water Column Height: 54.94 ft

Total Well Penetration Depth: 24. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.083 ft

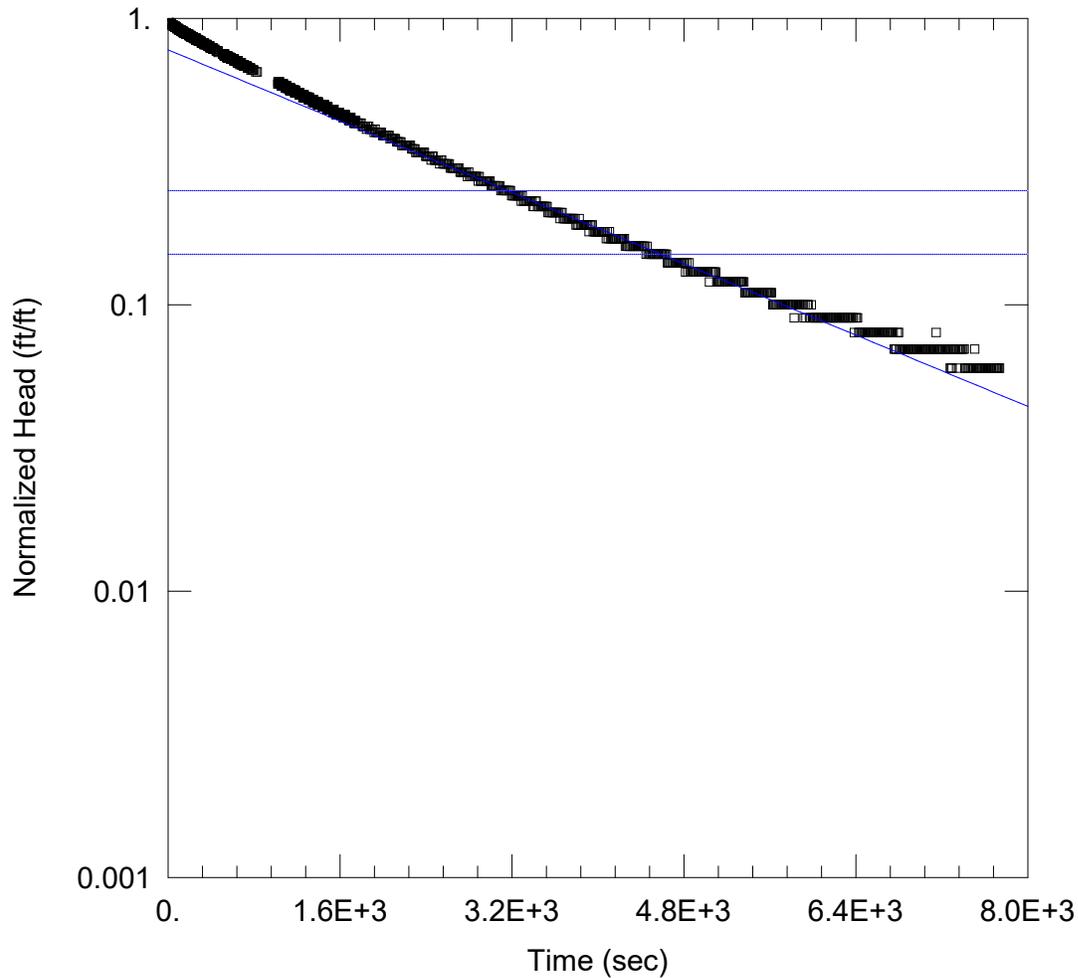
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

K = 5.0E-7 ft/sec

y0 = -0.8357 ft



RISING 2

Data Set: C:\...\MW-311 Slug Out_2 Hvorslev Confined.aqt

Date: 02/26/21

Time: 12:56:41

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02

Location: Seattle, WA

Test Well: MW-311

Test Date: 12/17/19

AQUIFER DATA

Saturated Thickness: 30. ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-311)

Initial Displacement: -1. ft

Static Water Column Height: 54.94 ft

Total Well Penetration Depth: 24. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.083 ft

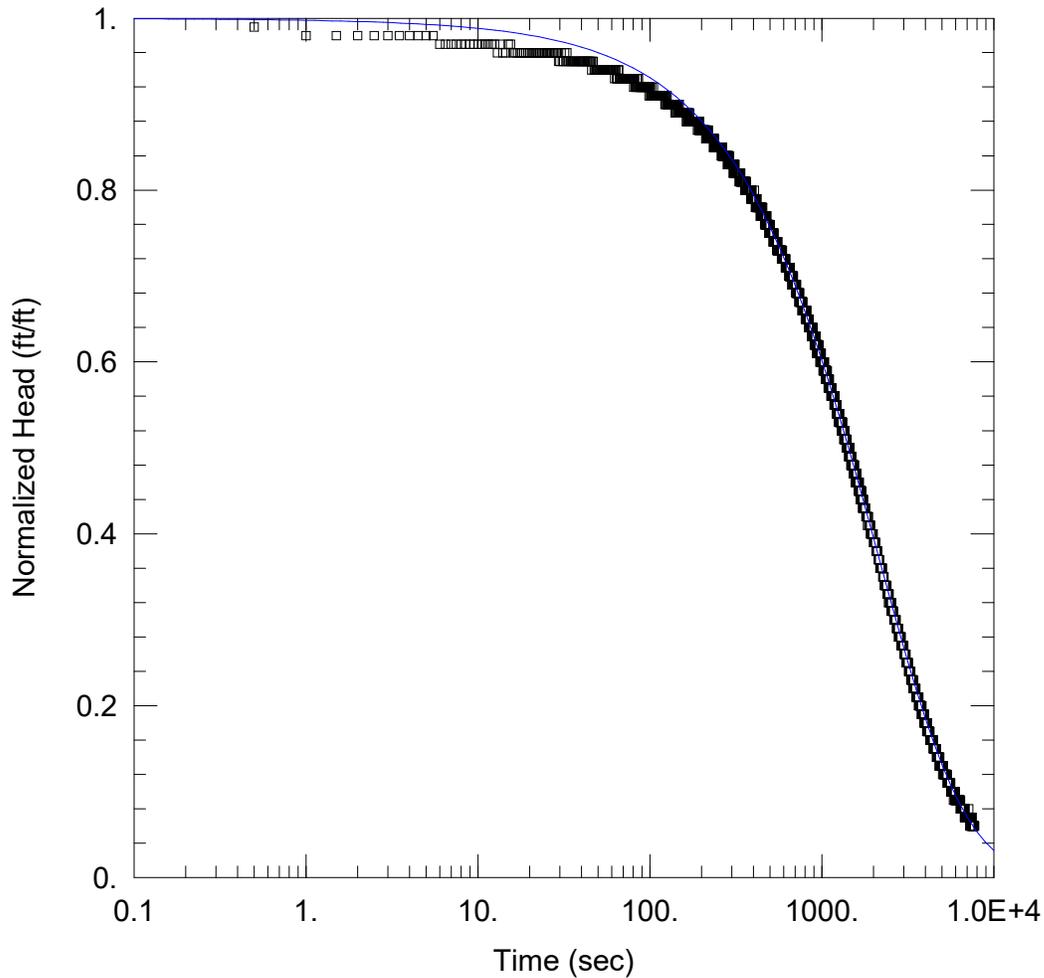
SOLUTION

Aquifer Model: Confined

Solution Method: Hvorslev

K = 5.915E-7 ft/sec

y0 = -0.7757 ft



RISING 2

Data Set: C:\...\MW-311 Slug Out_2 KGS Confined.aqt

Date: 02/26/21

Time: 12:55:10

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02

Location: Seattle, WA

Test Well: MW-311

Test Date: 12/17/19

AQUIFER DATA

Saturated Thickness: 30. ft

WELL DATA (MW-311)

Initial Displacement: -1. ft

Total Well Penetration Depth: 24. ft

Casing Radius: 0.083 ft

Static Water Column Height: 54.94 ft

Screen Length: 10. ft

Well Radius: 0.083 ft

SOLUTION

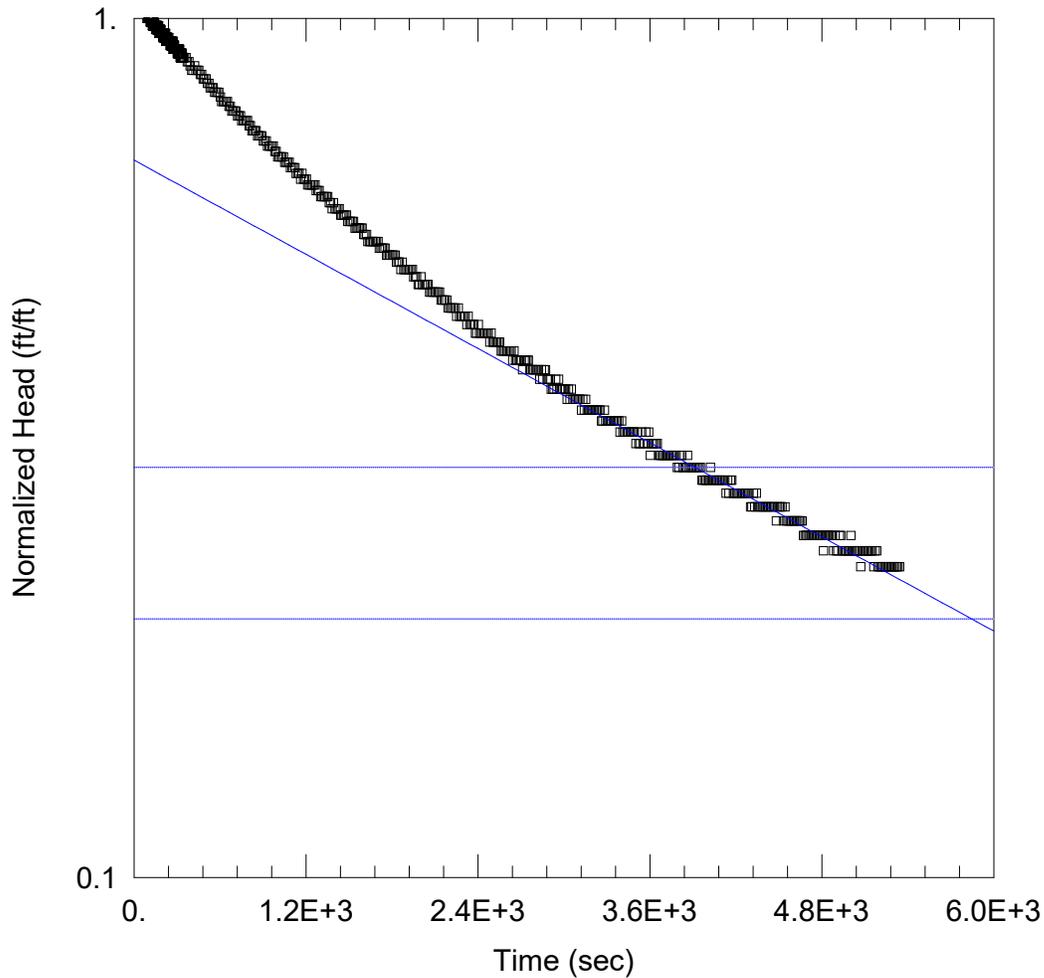
Aquifer Model: Confined

Solution Method: KGS Model

Kr = 6.111E-7 ft/sec

Ss = 5.672E-5 ft⁻¹

Kz/Kr = 1



RISING 3

Data Set: C:\...\MW-311 Slug Out_3 Bower-Rice confined.aqt
 Date: 02/26/21 Time: 12:59:12

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02
 Location: Seattle, WA
 Test Well: MW-311
 Test Date: 12/17/19

AQUIFER DATA

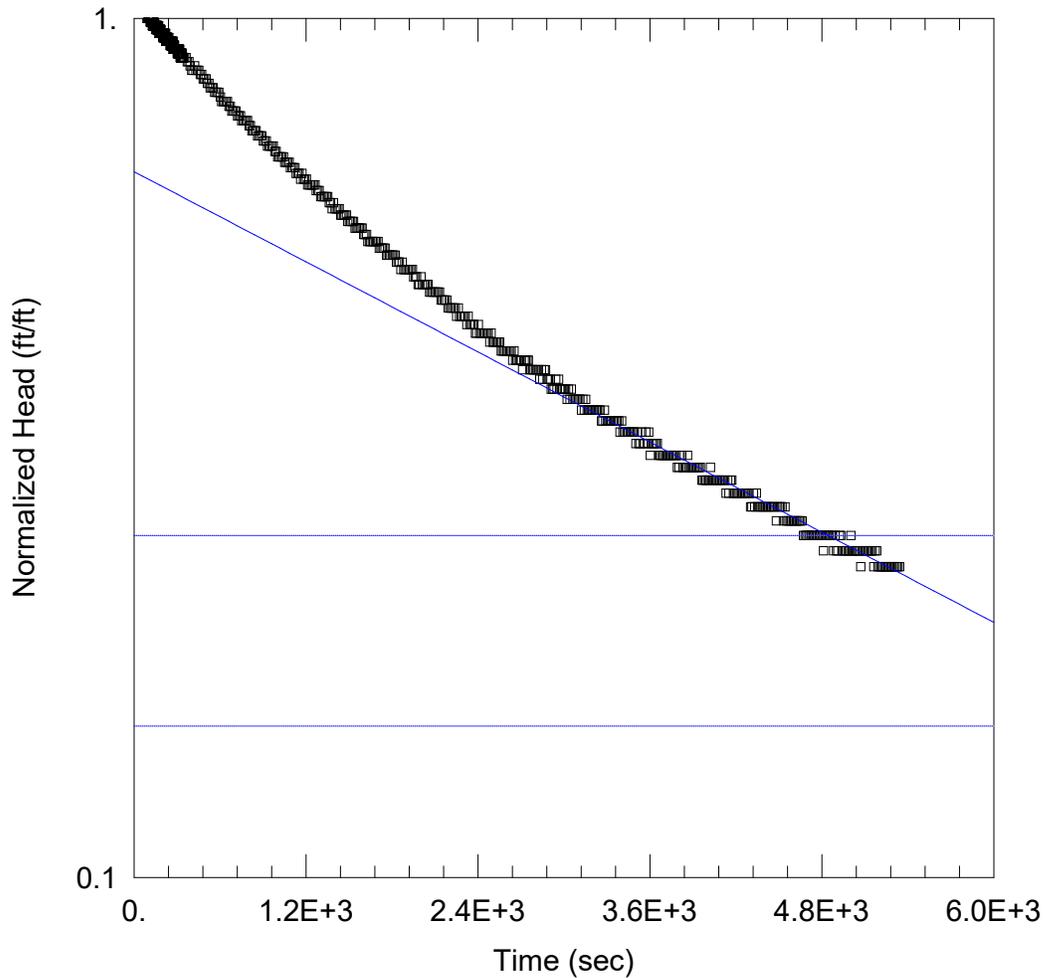
Saturated Thickness: 30. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-311)

Initial Displacement: -1. ft Static Water Column Height: 56.69 ft
 Total Well Penetration Depth: 24. ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined Solution Method: Bower-Rice
 K = 2.752E-7 ft/sec y0 = -0.6837 ft



RISING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-311_Slug Out_3 Hvorslev.aqt
 Date: 02/26/21 Time: 13:05:00

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02
 Location: Seattle, WA
 Test Well: MW-311
 Test Date: 12/17/19

AQUIFER DATA

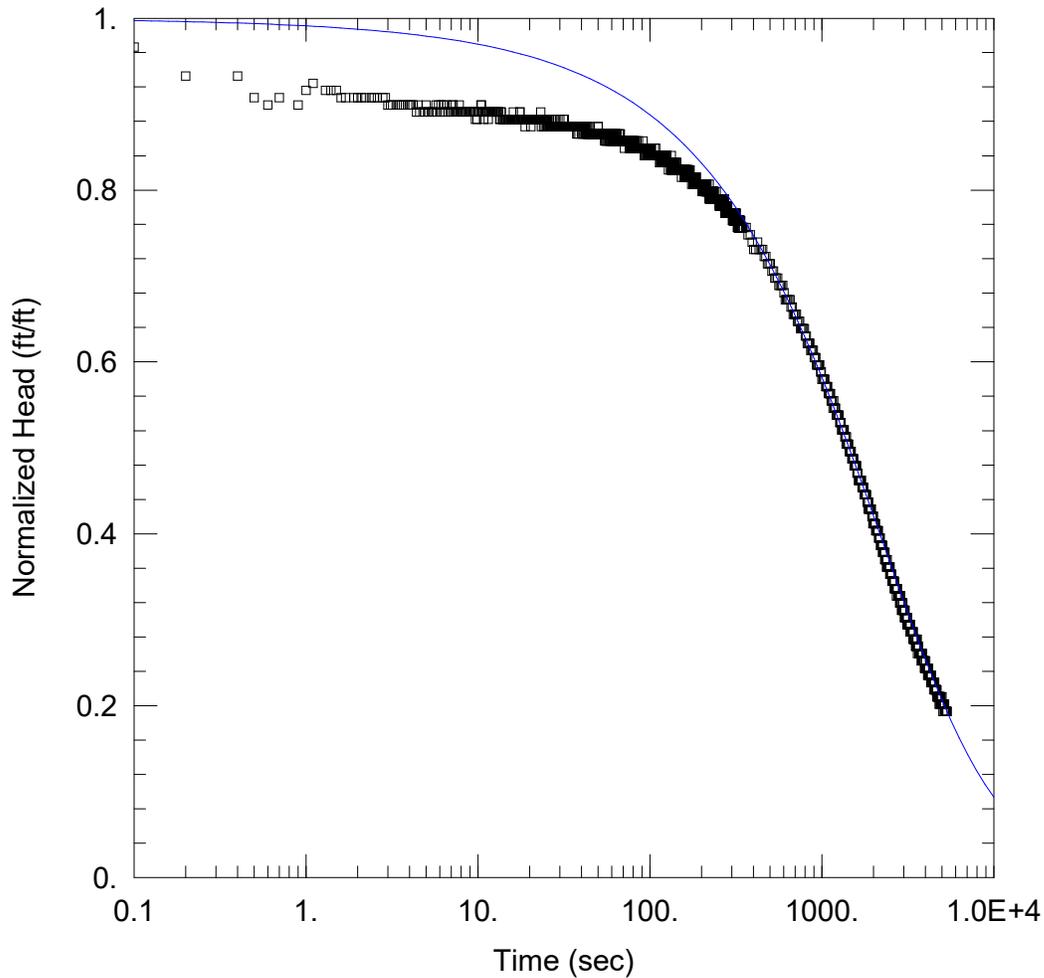
Saturated Thickness: 30. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-311)

Initial Displacement: -1. ft Static Water Column Height: 56.69 ft
 Total Well Penetration Depth: 24. ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 K = 3.323E-7 ft/sec $y_0 =$ -0.6629 ft



RISING 3

Data Set: C:\...\MW-311 Slug Out_3 KGS confined.aqt

Date: 02/26/21

Time: 13:04:13

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02

Location: Seattle, WA

Test Well: MW-311

Test Date: 12/17/19

AQUIFER DATA

Saturated Thickness: 30. ft

WELL DATA (MW-311)

Initial Displacement: -1.19 ft

Total Well Penetration Depth: 24. ft

Casing Radius: 0.083 ft

Static Water Column Height: 56.69 ft

Screen Length: 10. ft

Well Radius: 0.083 ft

SOLUTION

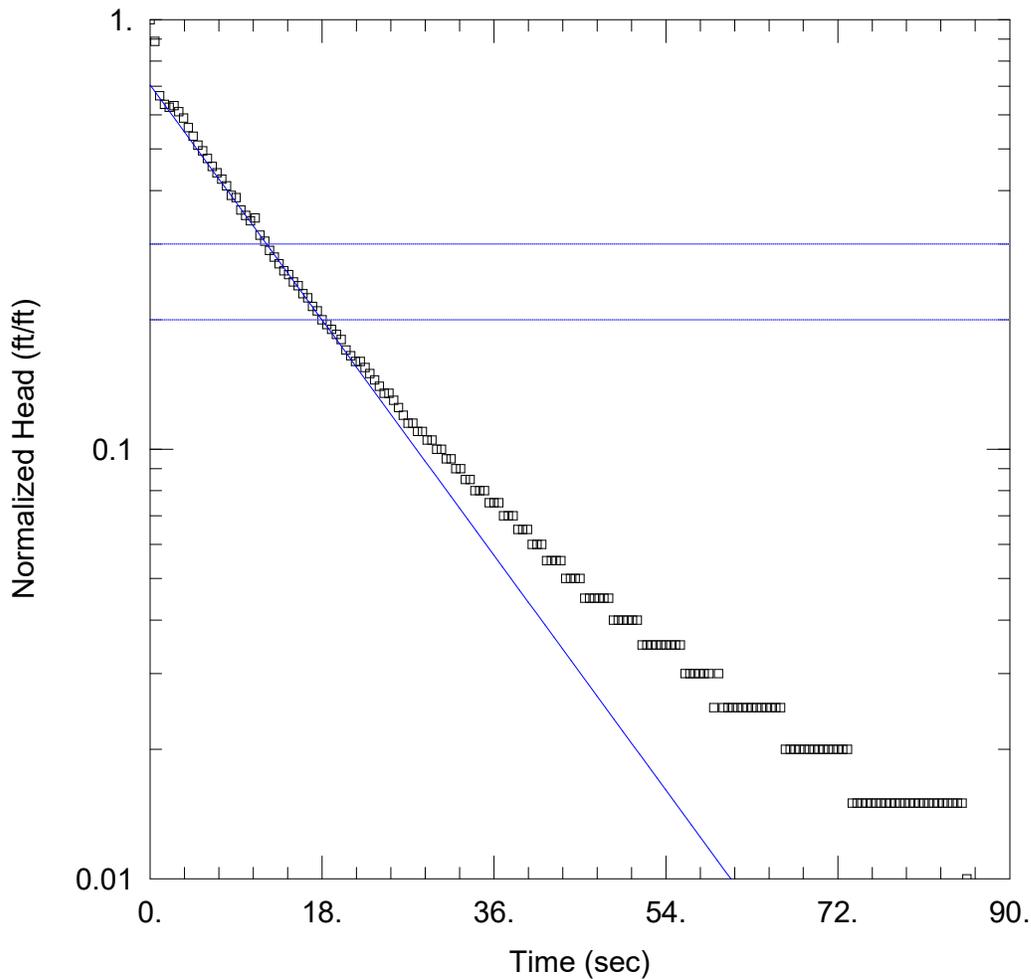
Aquifer Model: Confined

Solution Method: KGS Model

Kr = 2.905E-7 ft/sec

Ss = 0.003333 ft⁻¹

Kz/Kr = 1



MW-319 FALLING 1

Data Set: C:\...\MW-319 Slug in 1 Bower-Rice.aqt

Date: 06/02/20

Time: 10:40:47

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-319

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-319)

Initial Displacement: 2. ft

Static Water Column Height: 63.09 ft

Total Well Penetration Depth: 10. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

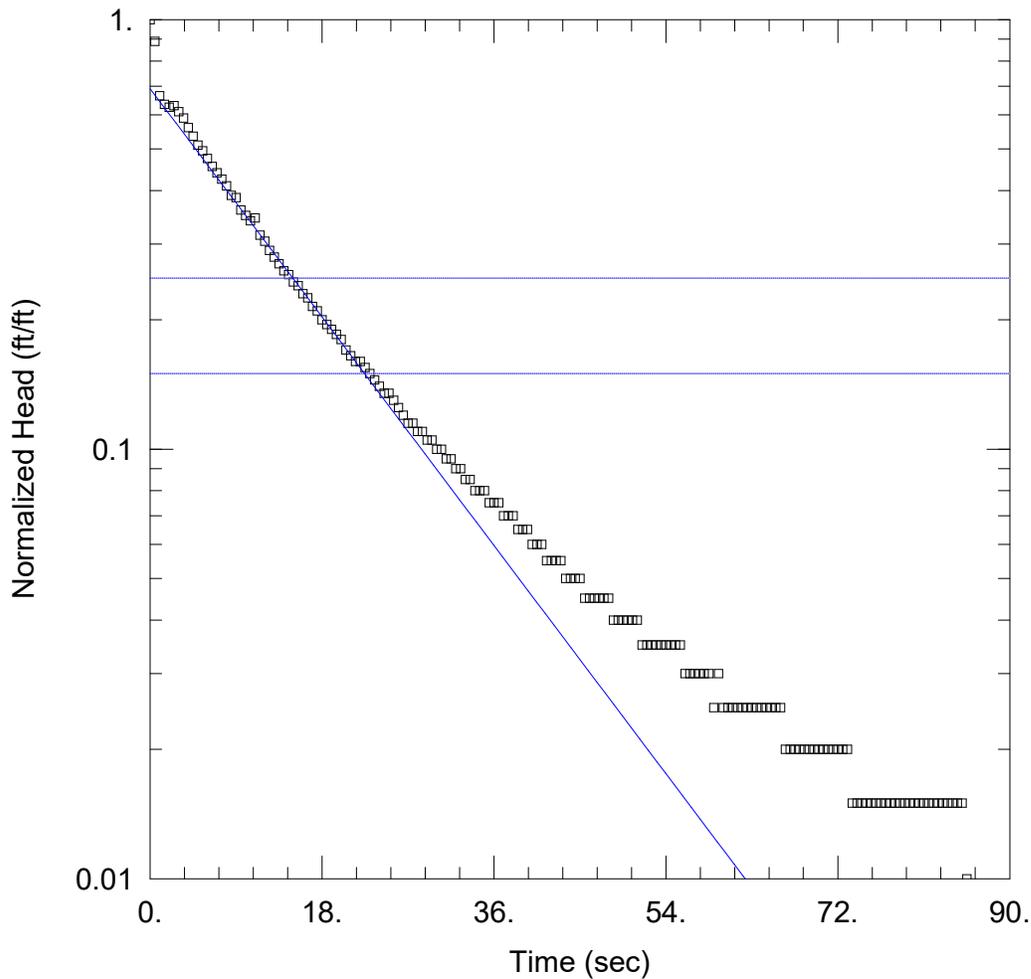
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 5.669E-5$ ft/sec

$y_0 = 1.408$ ft



MW-319 FALLING 1

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-319 Slug in_1 Hvorslev.aqt
 Date: 06/02/20 Time: 10:41:40

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-319

AQUIFER DATA

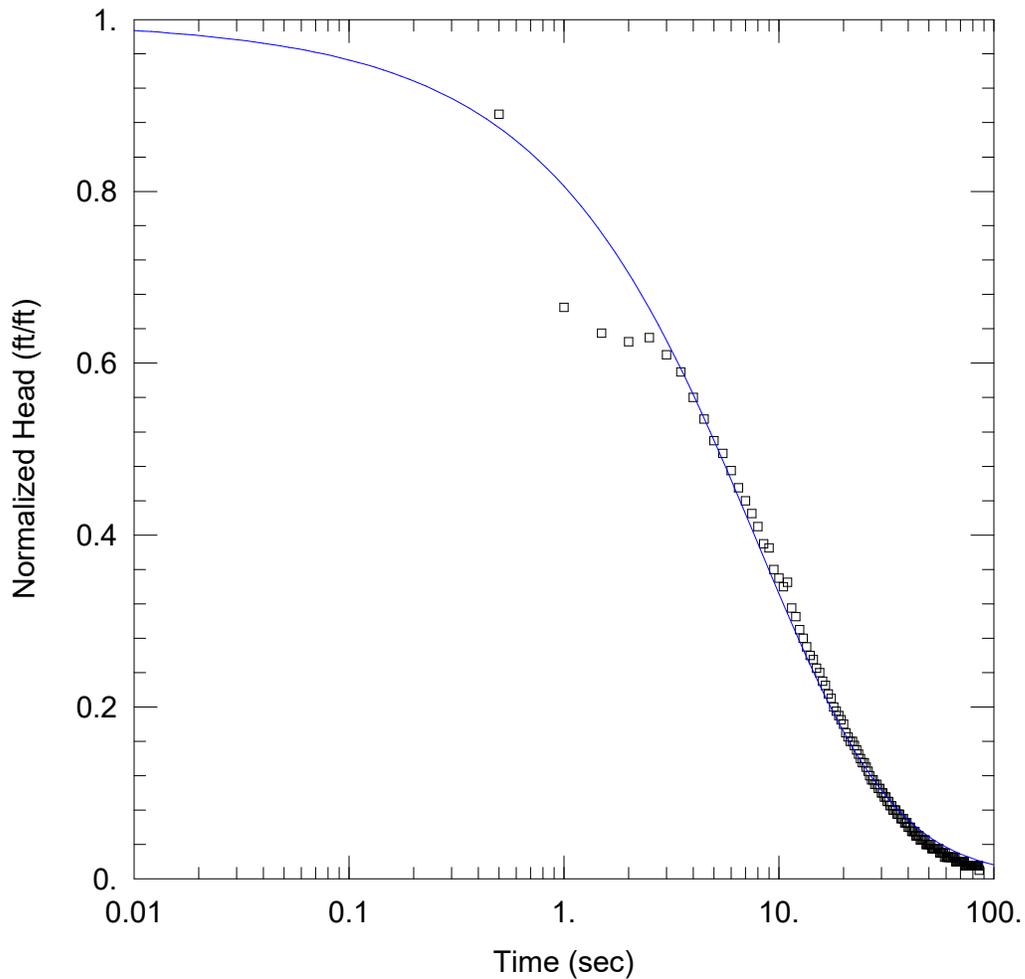
Saturated Thickness: 54. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-319)

Initial Displacement: 2. ft Static Water Column Height: 63.09 ft
 Total Well Penetration Depth: 10. ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 K = 0.0001026 ft/sec $y_0 =$ 1.38 ft



MW-319 FALLING 1

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-319 Slug in_1 KGS.aqt
 Date: 06/02/20 Time: 10:42:45

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-319

AQUIFER DATA

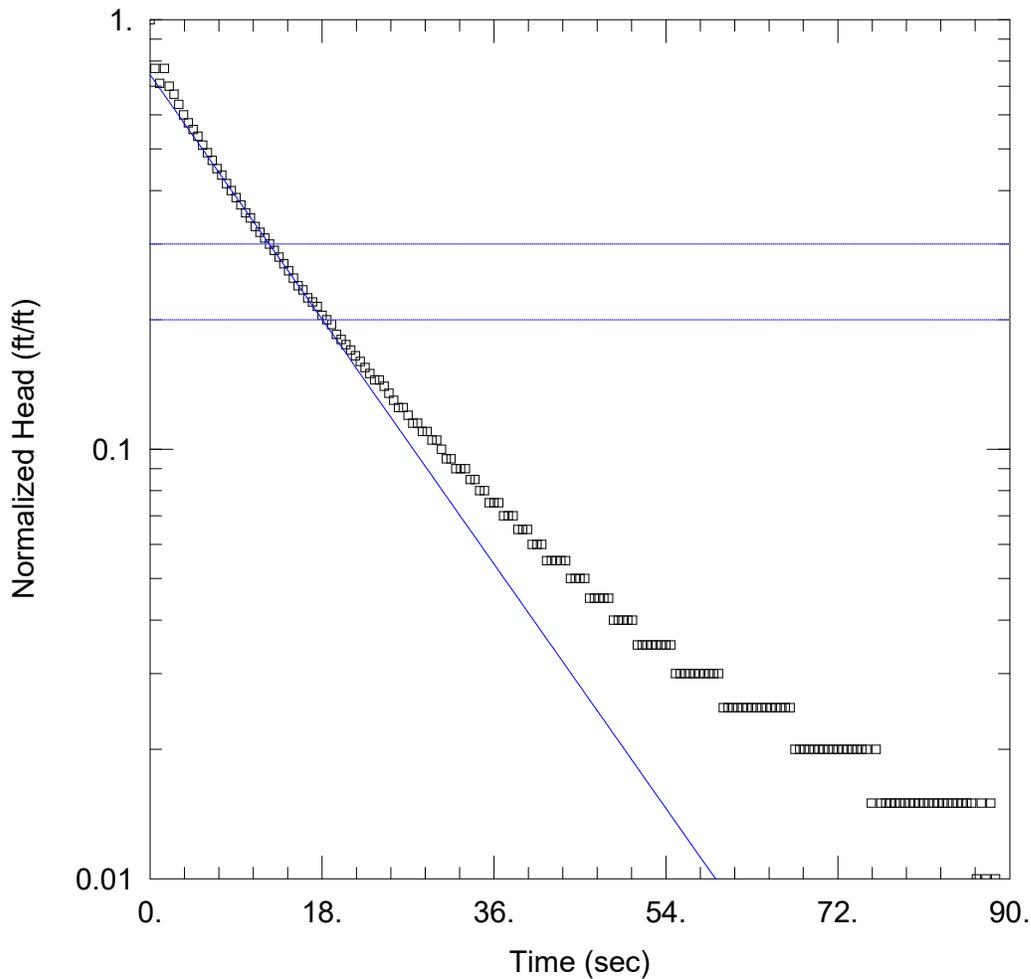
Saturated Thickness: 54. ft

WELL DATA (MW-319)

Initial Displacement: <u>2. ft</u>	Static Water Column Height: <u>63.09 ft</u>
Total Well Penetration Depth: <u>10. ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.25 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>9.298E-5 ft/sec</u>	Ss = <u>0.0002116 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



MW-319 FALLING 3

Data Set: C:\...\MW-319 Slug in 3 Bower-Rice.aqt

Date: 06/02/20

Time: 10:45:05

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-319

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-319)

Initial Displacement: 2. ft

Static Water Column Height: 63.09 ft

Total Well Penetration Depth: 10. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

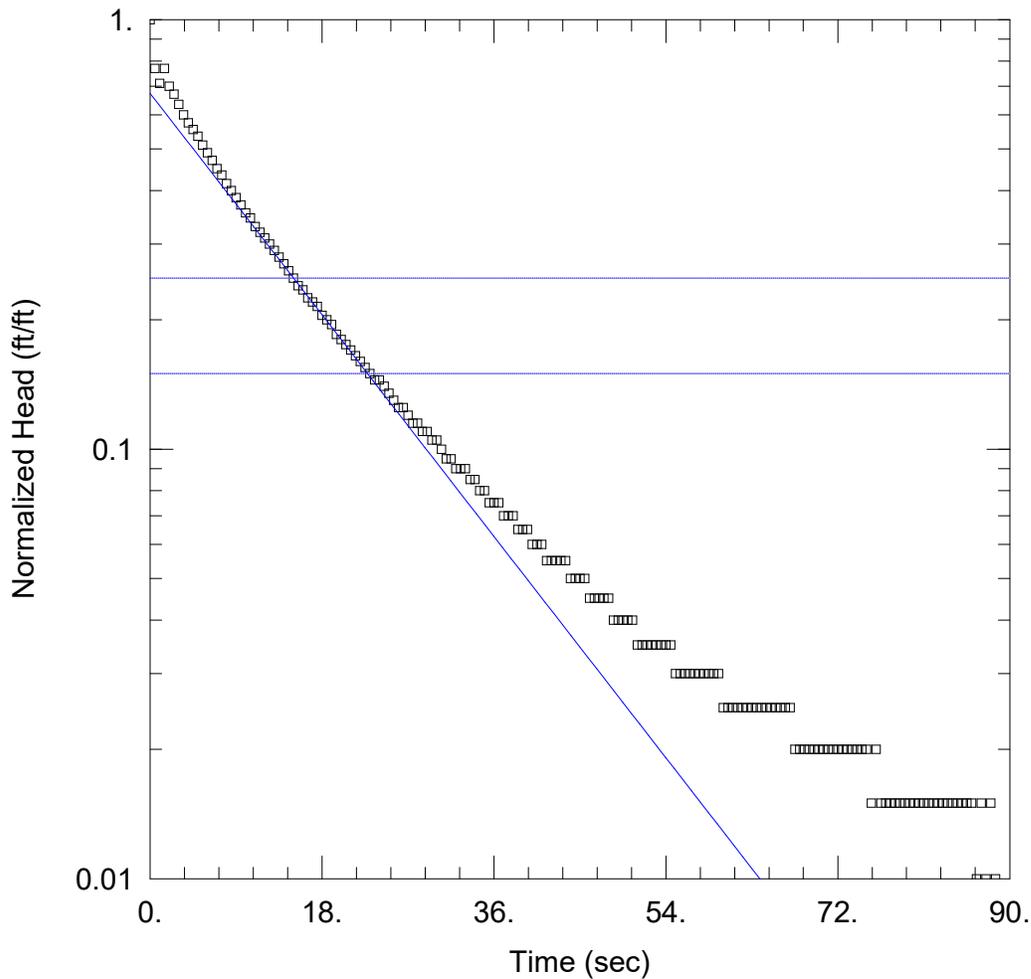
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 5.898E-5$ ft/sec

$y_0 = 1.488$ ft



MW-319 FALLING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-319 Slug in 3 Hvorslev.aqt

Date: 06/02/20

Time: 10:45:43

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-319

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-319)

Initial Displacement: 2. ft

Static Water Column Height: 63.09 ft

Total Well Penetration Depth: 10. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

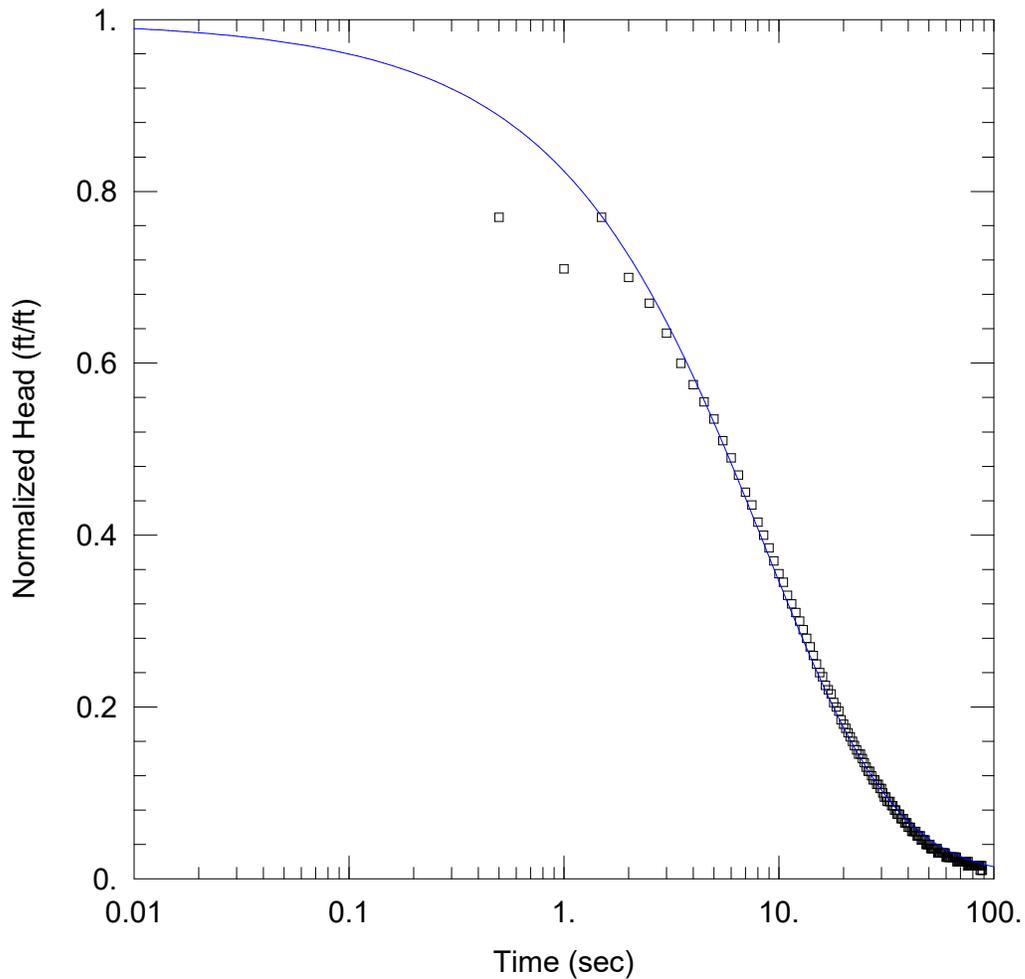
SOLUTION

Aquifer Model: Confined

Solution Method: Hvorslev

$K = 9.951E-5$ ft/sec

$y_0 = 1.346$ ft



MW-319 FALLING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-319 Slug in_3 KGS.aqt
 Date: 06/02/20 Time: 10:46:41

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-319

AQUIFER DATA

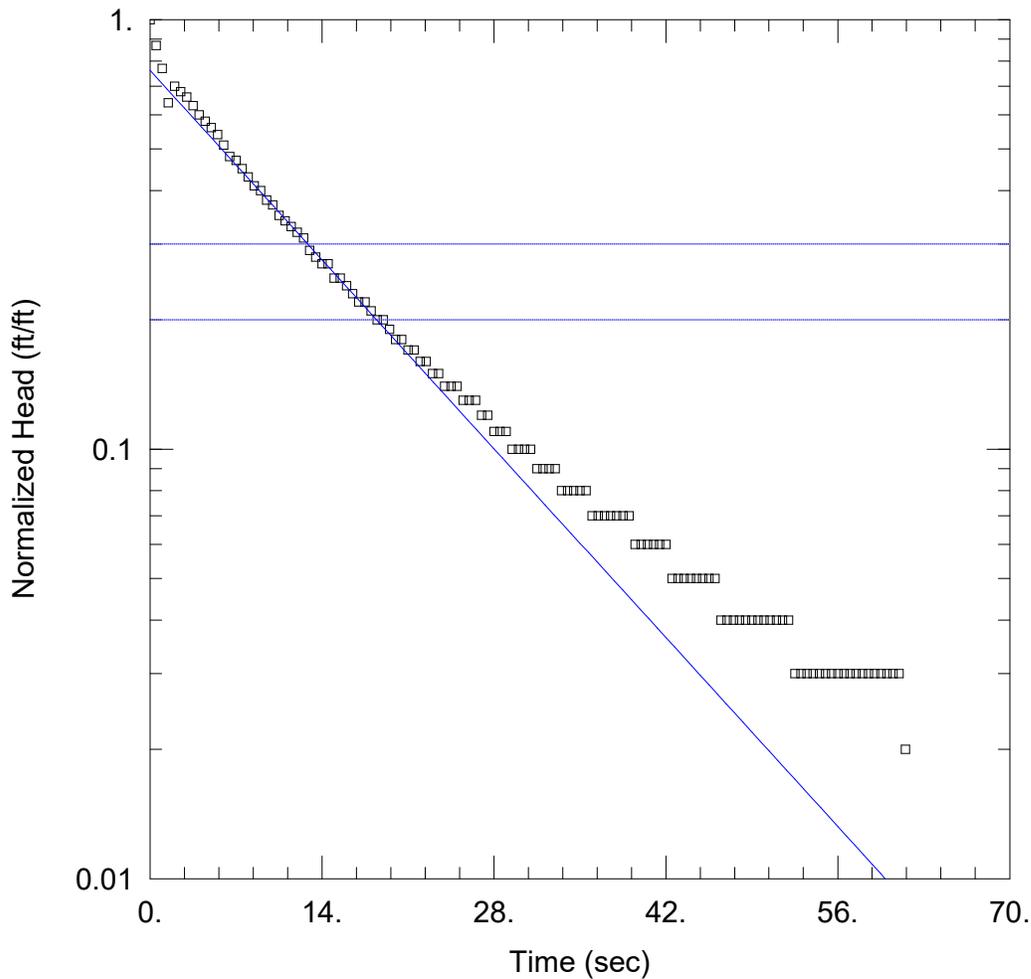
Saturated Thickness: 54. ft

WELL DATA (MW-319)

Initial Displacement: <u>2. ft</u>	Static Water Column Height: <u>63.09 ft</u>
Total Well Penetration Depth: <u>10. ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.25 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>9.681E-5 ft/sec</u>	Ss = <u>0.000127 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



MW-319 FALLING 4

Data Set: C:\...\MW-319 Slug in 4 Bower-Rice.aqt

Date: 06/02/20

Time: 10:52:32

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-319

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-319)

Initial Displacement: 1. ft

Static Water Column Height: 63.09 ft

Total Well Penetration Depth: 10. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

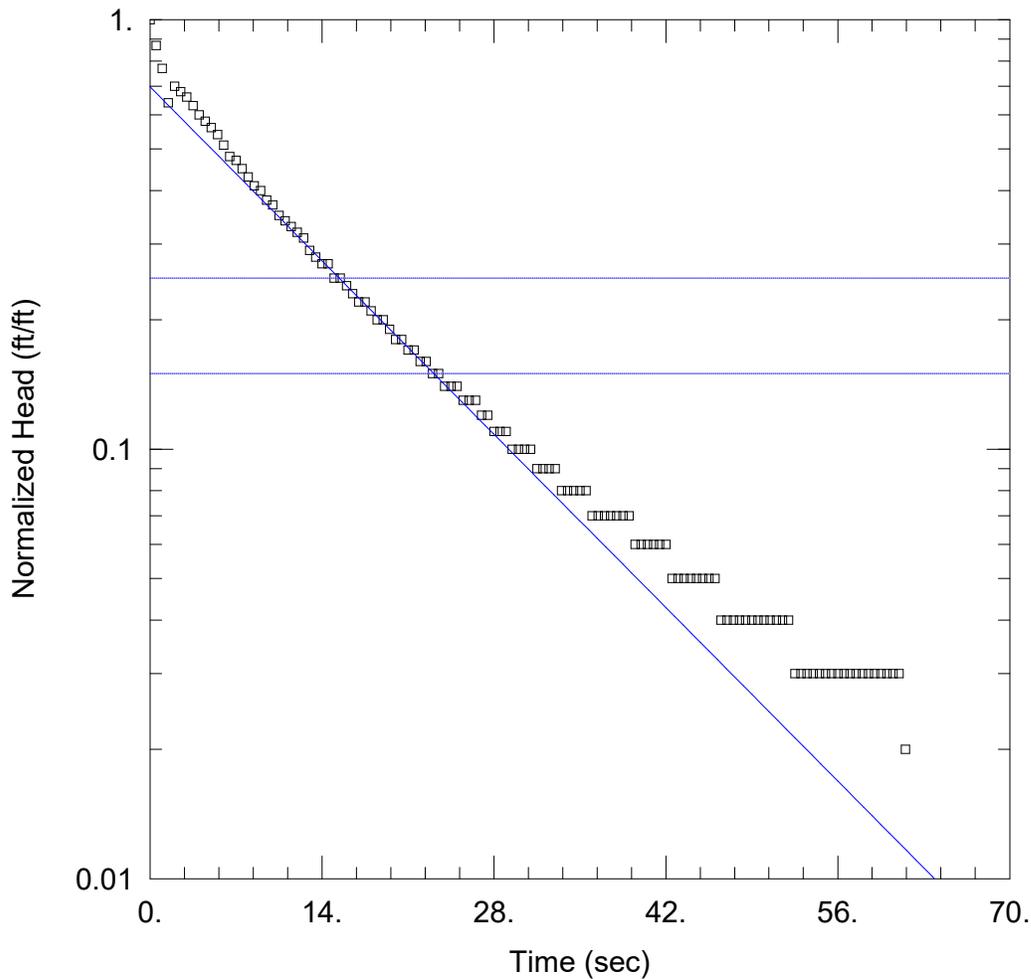
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 5.865E-5$ ft/sec

$y_0 = 0.7612$ ft



MW-319 FALLING 4

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-319 Slug in_4 Hvorslev.aqt

Date: 06/02/20

Time: 10:52:56

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-319

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-319)

Initial Displacement: 1. ft

Static Water Column Height: 63.09 ft

Total Well Penetration Depth: 10. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

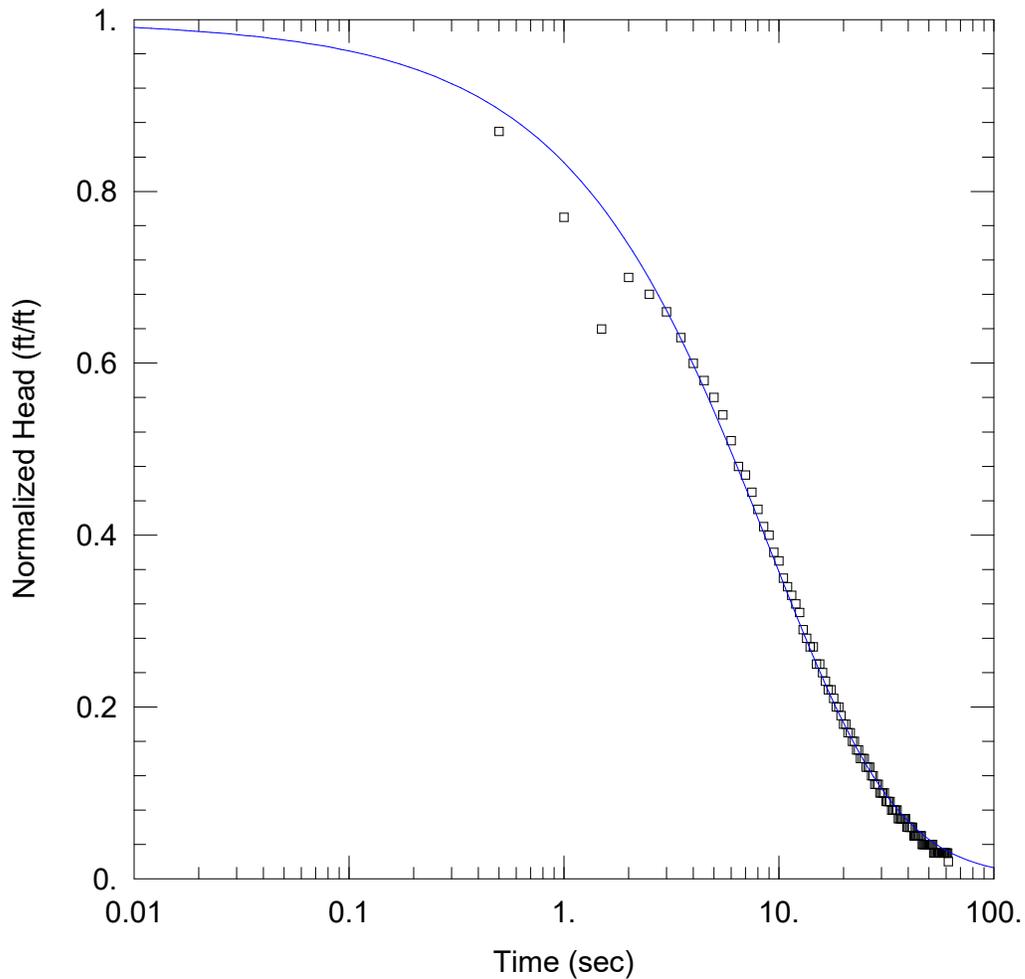
SOLUTION

Aquifer Model: Confined

Solution Method: Hvorslev

$K = 0.0001003$ ft/sec

$y_0 = 0.6969$ ft



MW-319 FALLING 4

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-319 Slug in_4 KGS.aqt

Date: 06/02/20

Time: 10:53:55

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-319

AQUIFER DATA

Saturated Thickness: 54. ft

WELL DATA (MW-319)

Initial Displacement: 1. ft

Total Well Penetration Depth: 10. ft

Casing Radius: 0.083 ft

Static Water Column Height: 63.09 ft

Screen Length: 10. ft

Well Radius: 0.25 ft

SOLUTION

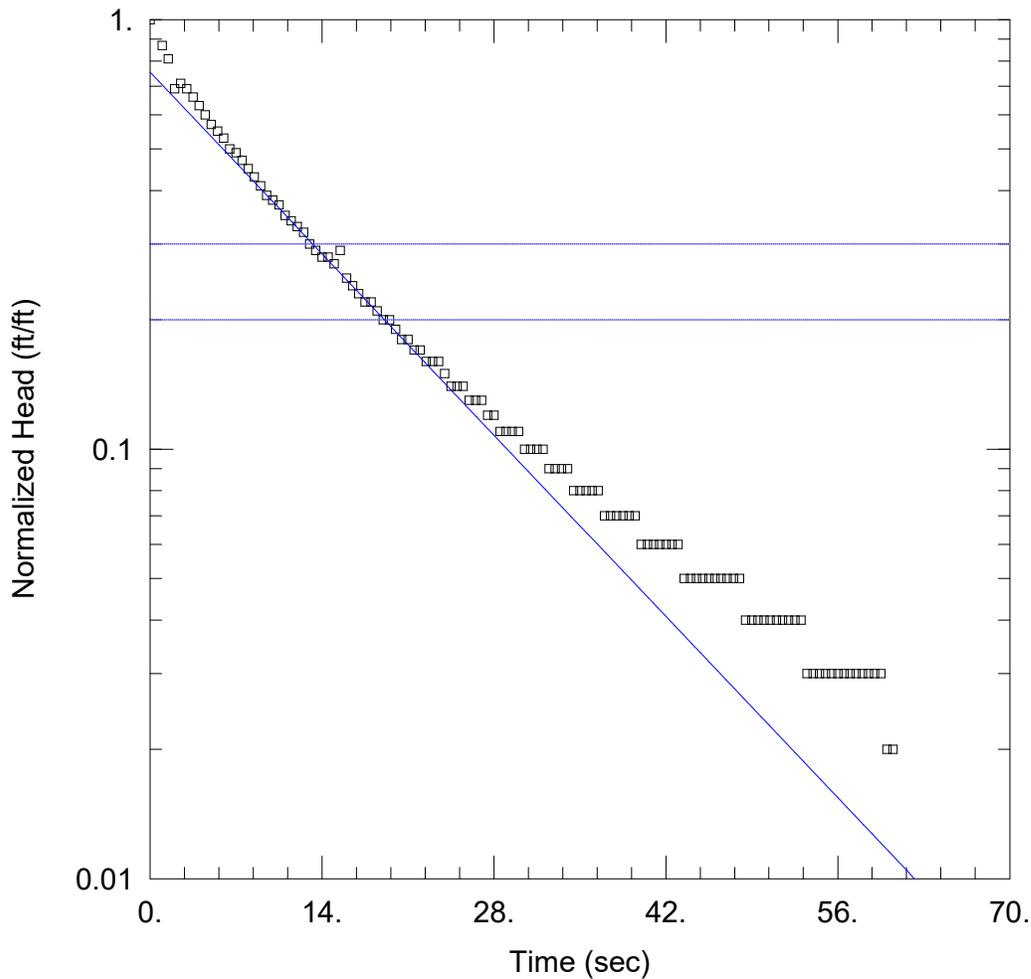
Aquifer Model: Confined

Kr = 9.754E-5 ft/sec

Kz/Kr = 1.

Solution Method: KGS Model

Ss = 9.583E-5 ft⁻¹



MW-319 FALLING 5

Data Set: C:\...\MW-319 Slug in 5 Bower-Rice.aqt

Date: 06/02/20

Time: 10:57:00

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-319

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-319)

Initial Displacement: 1. ft

Static Water Column Height: 63.09 ft

Total Well Penetration Depth: 10. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

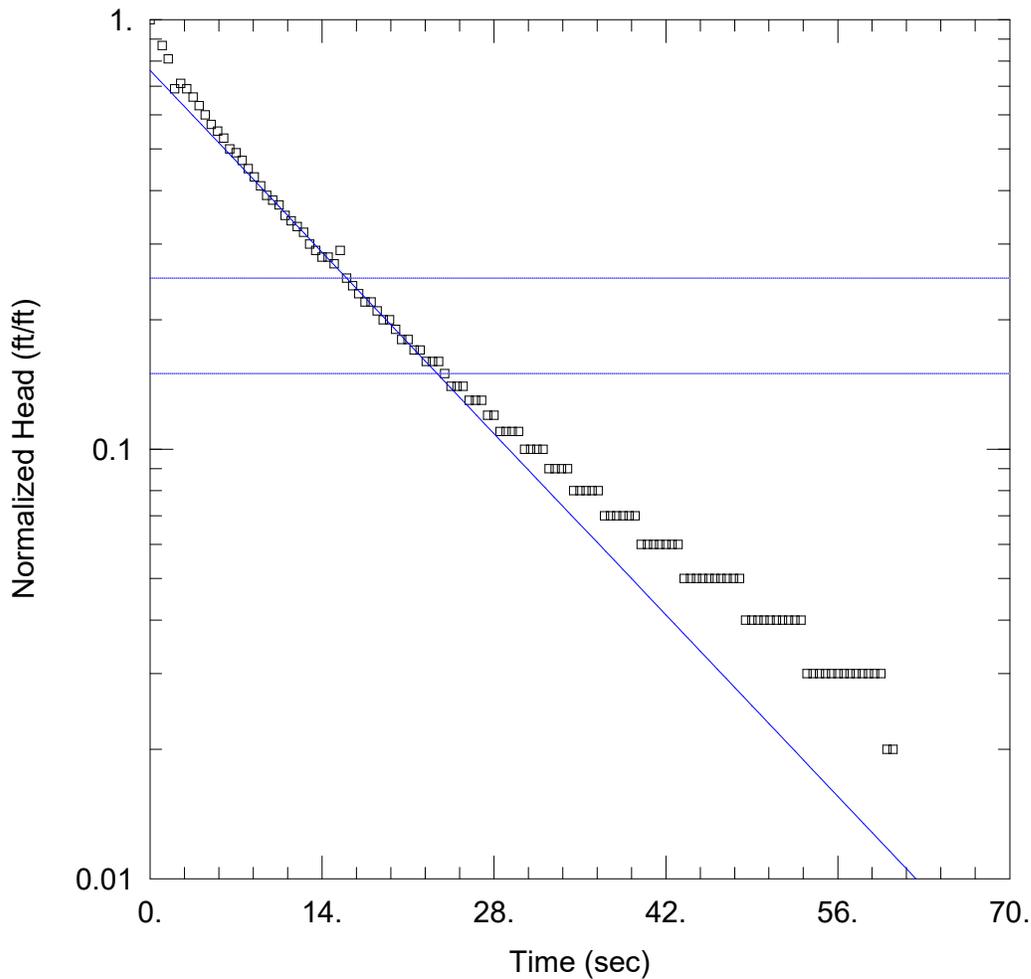
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 5.628E-5$ ft/sec

$y_0 = 0.7542$ ft



MW-319 FALLING 5

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-319 Slug in 5 Hvorslev.aqt
 Date: 06/02/20 Time: 10:57:28

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-319

AQUIFER DATA

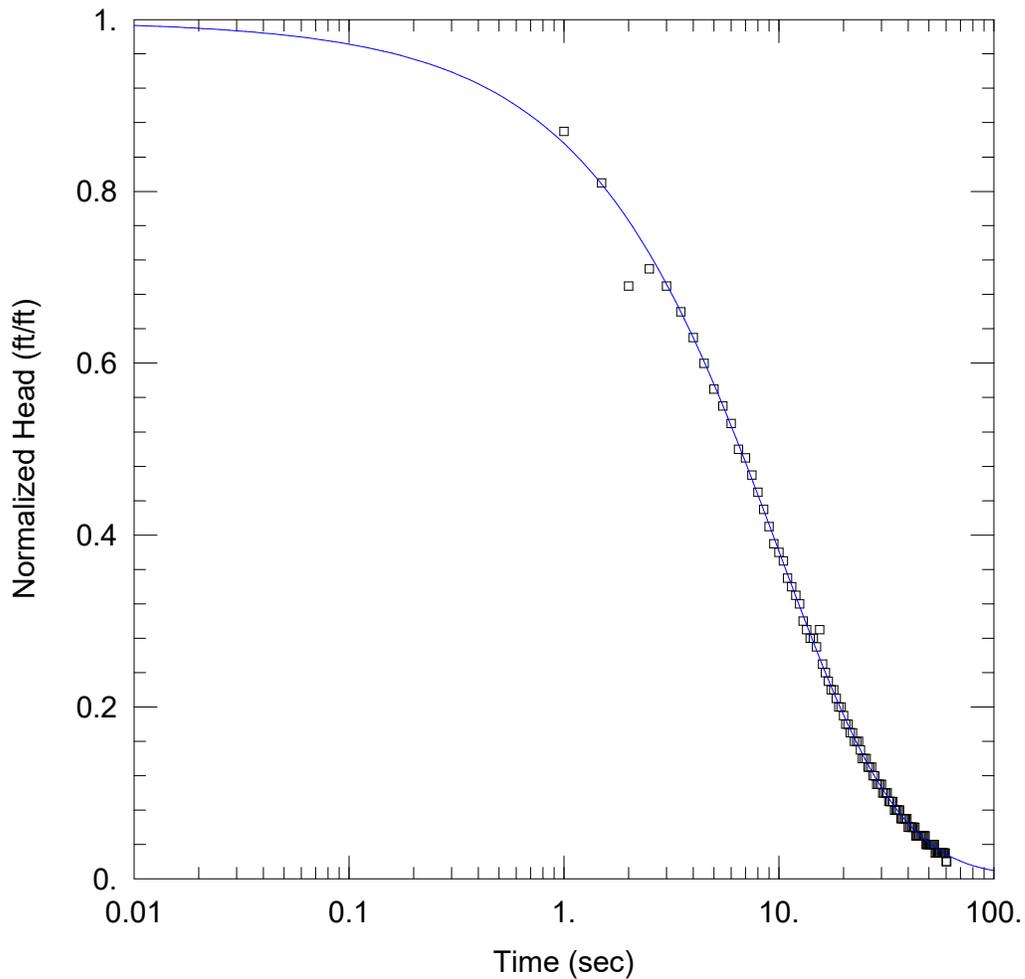
Saturated Thickness: 54. ft Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-319)

Initial Displacement: 1. ft Static Water Column Height: 63.09 ft
 Total Well Penetration Depth: 10. ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 $K = 0.0001049$ ft/sec $y_0 = 0.7618$ ft



MW-319 FALLING 5

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-319 Slug in 5 KGS.aqt
 Date: 06/02/20 Time: 11:09:18

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-319

AQUIFER DATA

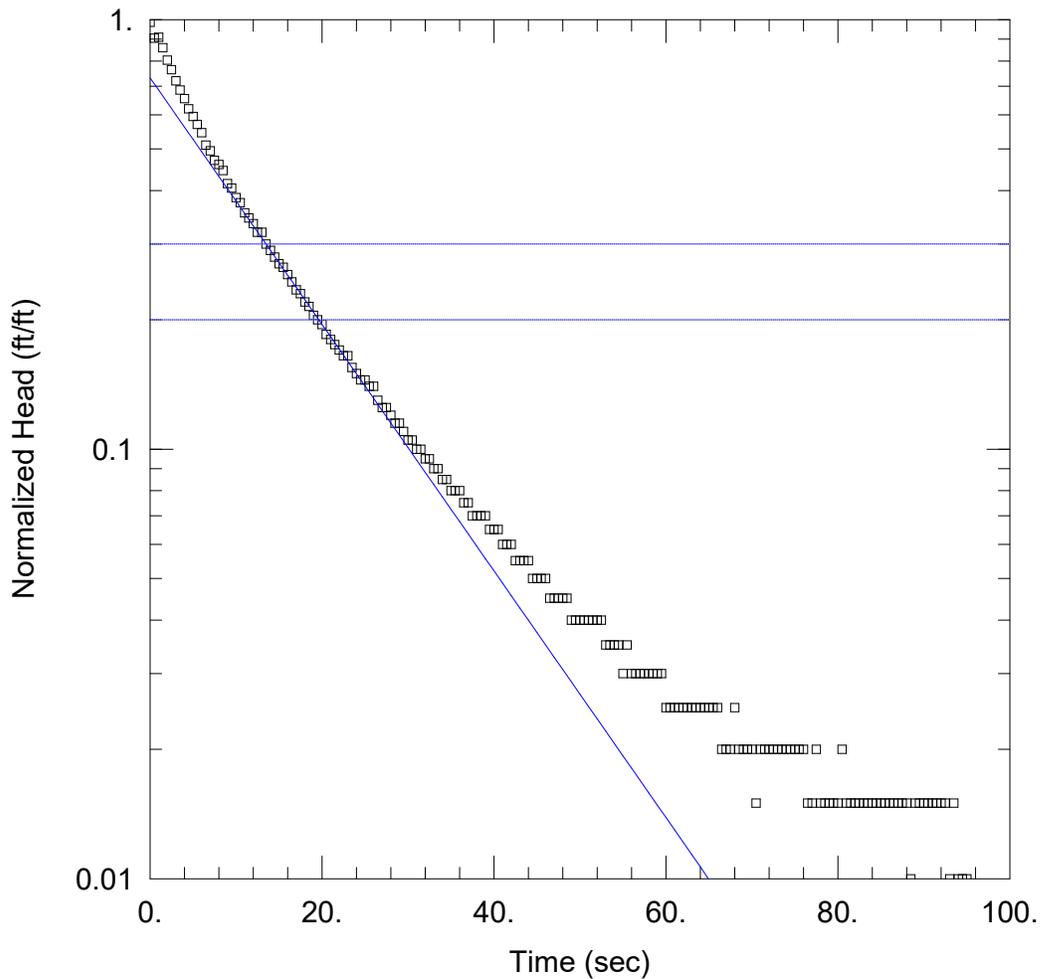
Saturated Thickness: 54. ft

WELL DATA (MW-319)

Initial Displacement: <u>1. ft</u>	Static Water Column Height: <u>63.09 ft</u>
Total Well Penetration Depth: <u>10. ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.25 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>0.0001011 ft/sec</u>	Ss = <u>4.208E-5 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



MW-319 RISING 3

Data Set: C:\...\MW-319 Slug out 3 Bower-Rice.aqt

Date: 06/02/20

Time: 10:47:51

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-319

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-319)

Initial Displacement: -2. ft

Static Water Column Height: 63.09 ft

Total Well Penetration Depth: 10. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

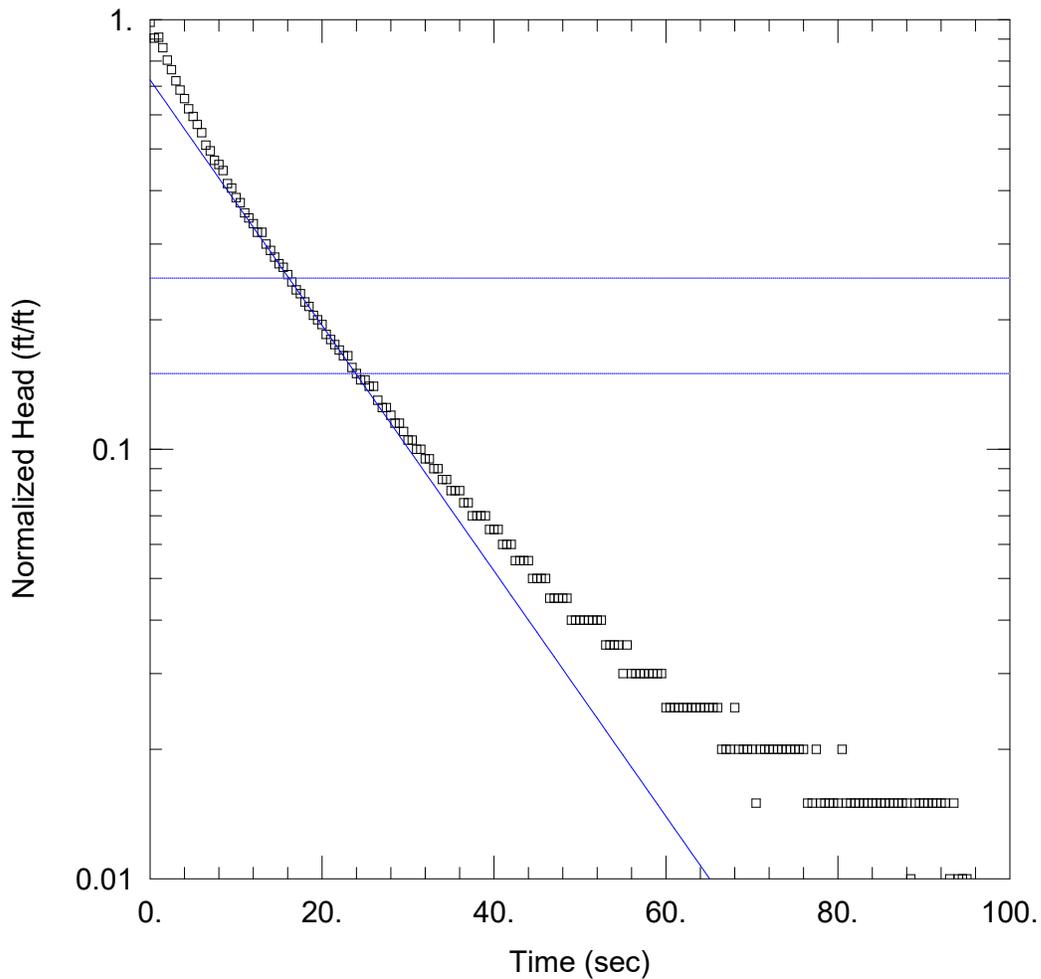
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 5.355E-5$ ft/sec

$y_0 = -1.463$ ft



MW-319 RISING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-319 Slug out_3 Hvorslev.aqt

Date: 06/02/20

Time: 10:48:26

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-319

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-319)

Initial Displacement: -2. ft

Static Water Column Height: 63.09 ft

Total Well Penetration Depth: 10. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

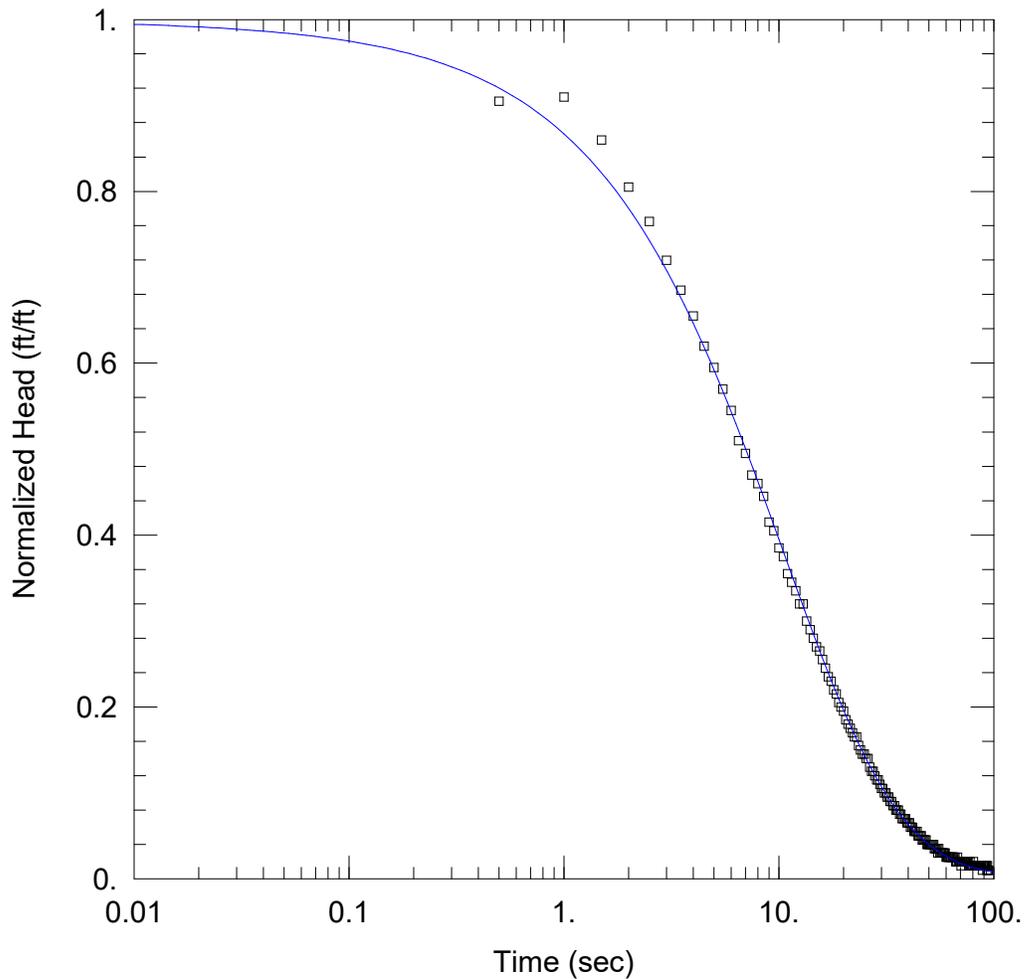
SOLUTION

Aquifer Model: Confined

Solution Method: Hvorslev

$K = 9.932E-5$ ft/sec

$y_0 = -1.447$ ft



MW-319 RISING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-319 Slug out_3 KGS.aqt
 Date: 06/02/20 Time: 10:51:05

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-319

AQUIFER DATA

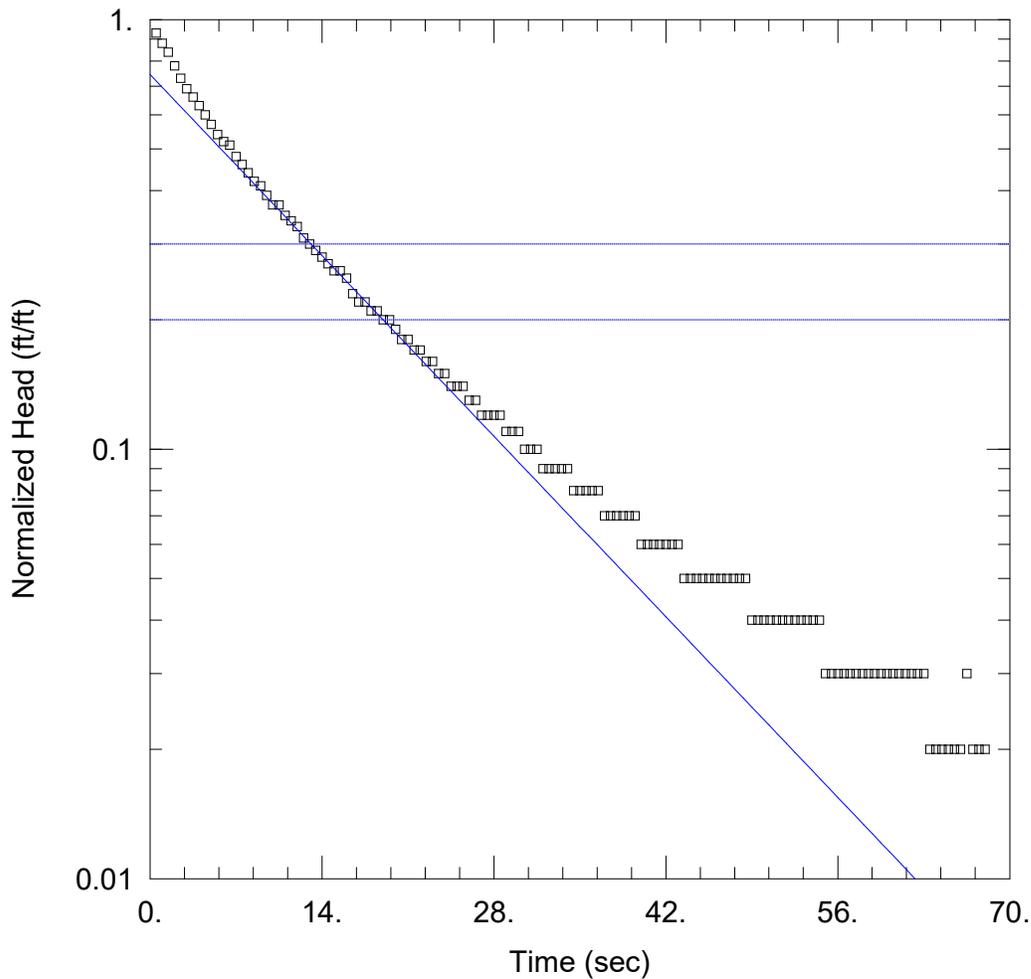
Saturated Thickness: 54. ft

WELL DATA (MW-319)

Initial Displacement: <u>-2. ft</u>	Static Water Column Height: <u>63.09 ft</u>
Total Well Penetration Depth: <u>10. ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.25 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>0.0001023 ft/sec</u>	Ss = <u>2.624E-5 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



MW-319 RISING 4

Data Set: C:\...\MW-319 Slug out 4 Bower-Rice.aqt

Date: 06/02/20

Time: 10:54:31

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-319

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-319)

Initial Displacement: -1. ft

Static Water Column Height: 63.09 ft

Total Well Penetration Depth: 10. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

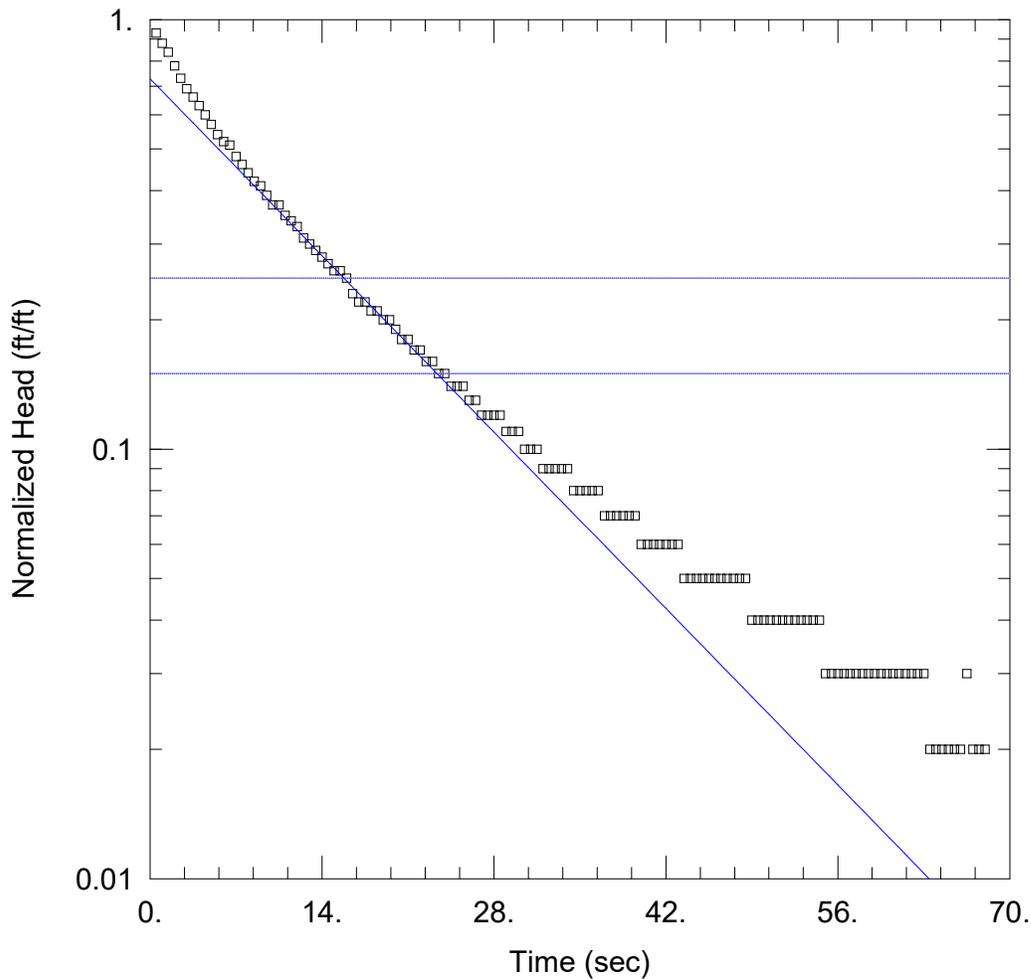
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 5.608E-5$ ft/sec

$y_0 = -0.7446$ ft



MW-319 RISING 4

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-319 Slug out_4 Hvorslev.aqt

Date: 06/02/20

Time: 10:54:55

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-319

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-319)

Initial Displacement: -1. ft

Static Water Column Height: 63.09 ft

Total Well Penetration Depth: 10. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

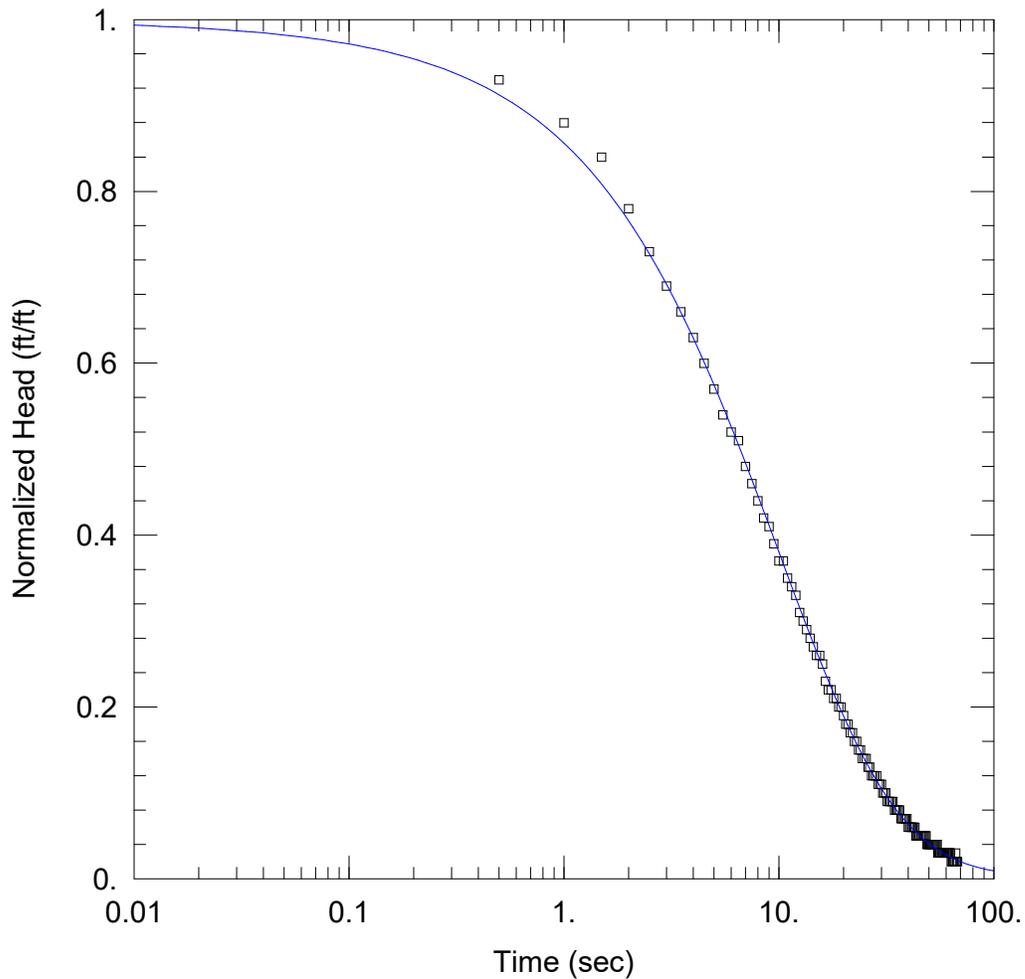
SOLUTION

Aquifer Model: Confined

Solution Method: Hvorslev

$K = 0.000102$ ft/sec

$y_0 = -0.7279$ ft



MW-319 RISING 4

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-319 Slug out_4 KGS.aqt
 Date: 06/02/20 Time: 10:55:55

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-319

AQUIFER DATA

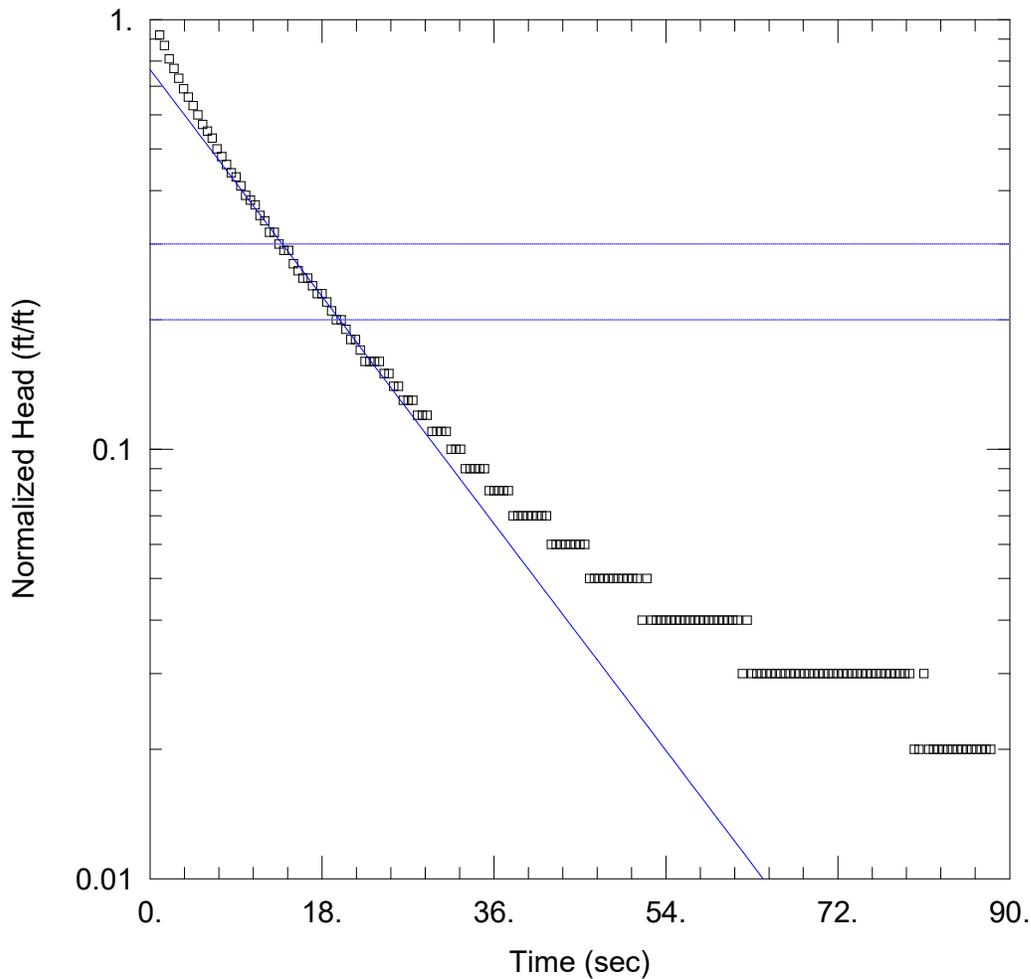
Saturated Thickness: 54. ft

WELL DATA (MW-319)

Initial Displacement: <u>-1. ft</u>	Static Water Column Height: <u>63.09 ft</u>
Total Well Penetration Depth: <u>10. ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.25 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>0.000102 ft/sec</u>	Ss = <u>4.054E-5 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



MW-319 RISING 5

Data Set: C:\...\MW-319 Slug out 5 Bower-Rice.aqt

Date: 06/02/20

Time: 11:10:37

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-319

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-319)

Initial Displacement: -1. ft

Static Water Column Height: 63.09 ft

Total Well Penetration Depth: 10. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

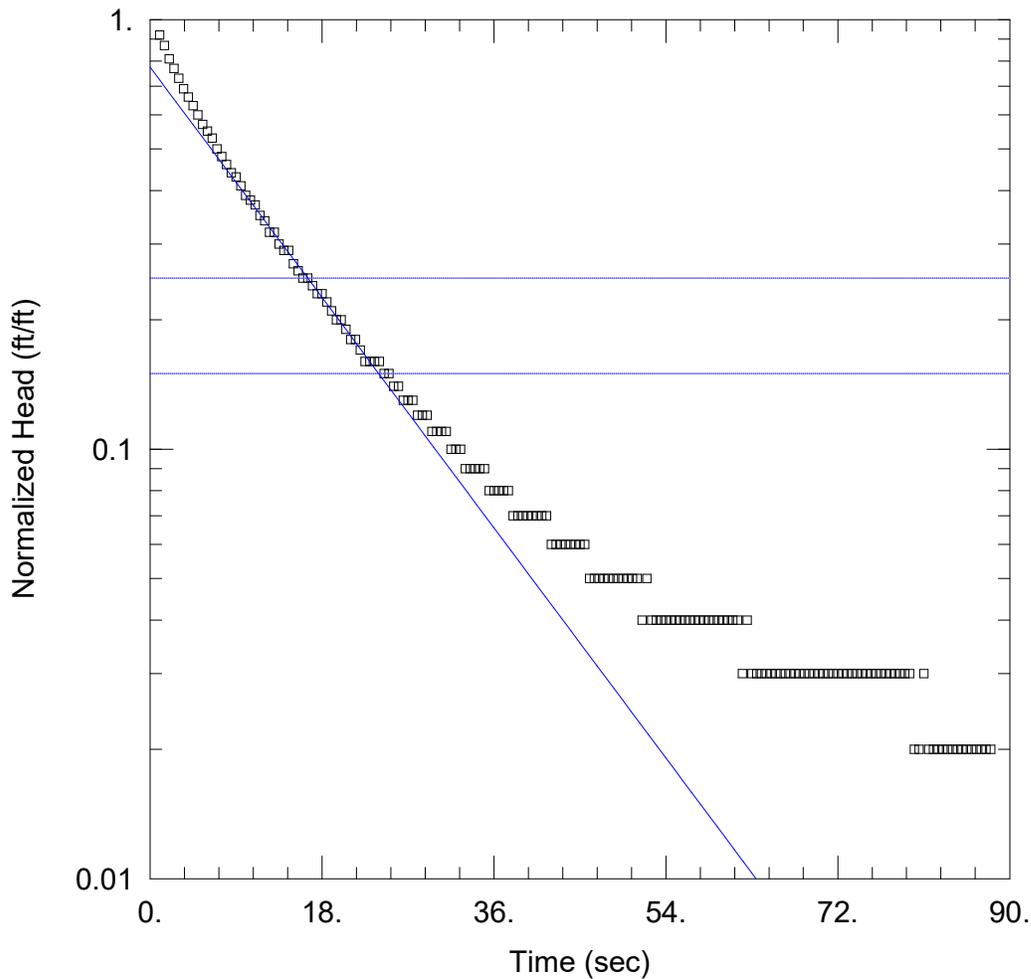
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 5.474E-5$ ft/sec

$y_0 = -0.7646$ ft



MW-319 RISING 5

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-319 Slug out 5 Hvorslev.aqt

Date: 06/02/20

Time: 11:11:11

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-319

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-319)

Initial Displacement: -1. ft

Static Water Column Height: 63.09 ft

Total Well Penetration Depth: 10. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

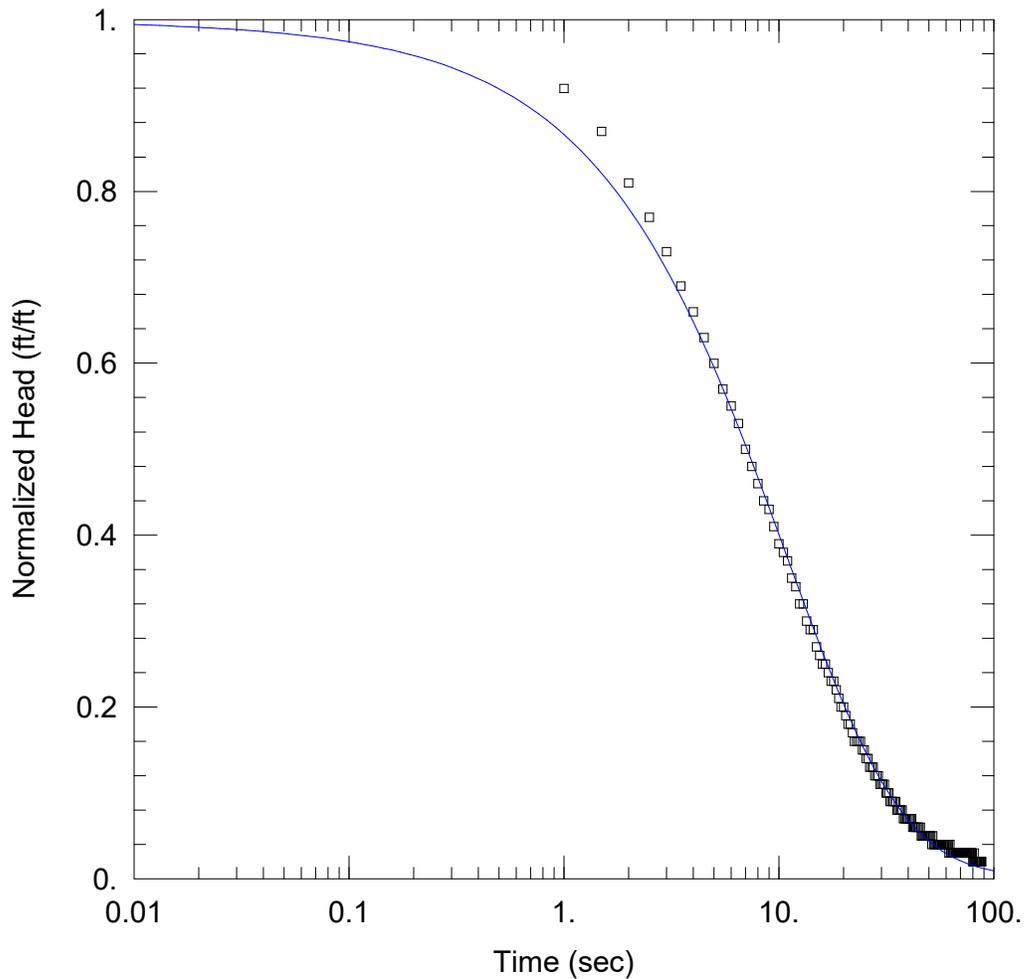
SOLUTION

Aquifer Model: Confined

Solution Method: Hvorslev

$K = 0.0001035$ ft/sec

$y_0 = -0.7746$ ft



MW-319 RISING 5

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-319 Slug out 5 KGS.aqt
 Date: 06/02/20 Time: 11:12:43

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-319

AQUIFER DATA

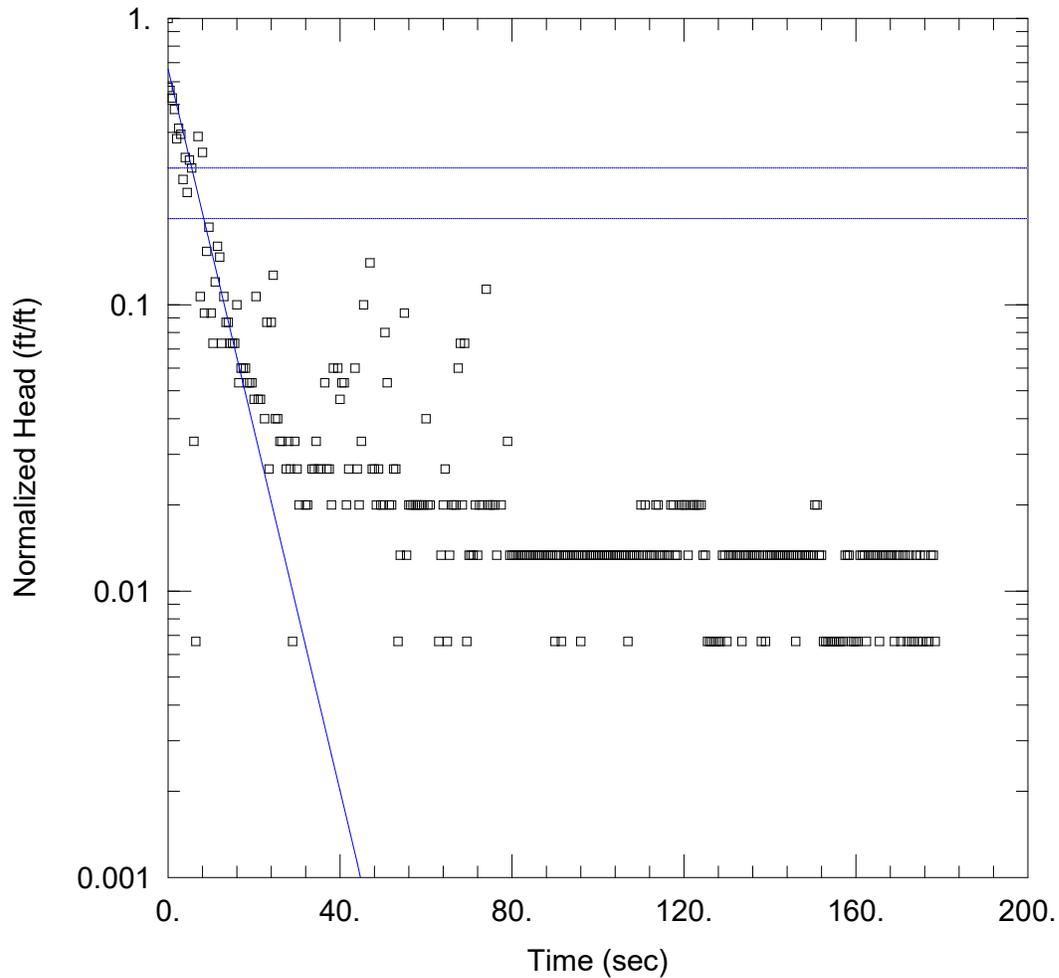
Saturated Thickness: 54. ft

WELL DATA (MW-319)

Initial Displacement: <u>-1. ft</u>	Static Water Column Height: <u>63.09 ft</u>
Total Well Penetration Depth: <u>10. ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.25 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>9.809E-5 ft/sec</u>	Ss = <u>3.202E-5 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



FALLING 1

Data Set: C:\...\MW-323 Slug In 1 Bower-Rice.aqt

Date: 02/26/21

Time: 13:05:53

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02

Location: Seattle, WA

Test Well: MW-323

Test Date: 12/18/19

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-323)

Initial Displacement: 1.5 ft

Static Water Column Height: 91.96 ft

Total Well Penetration Depth: 21. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.083 ft

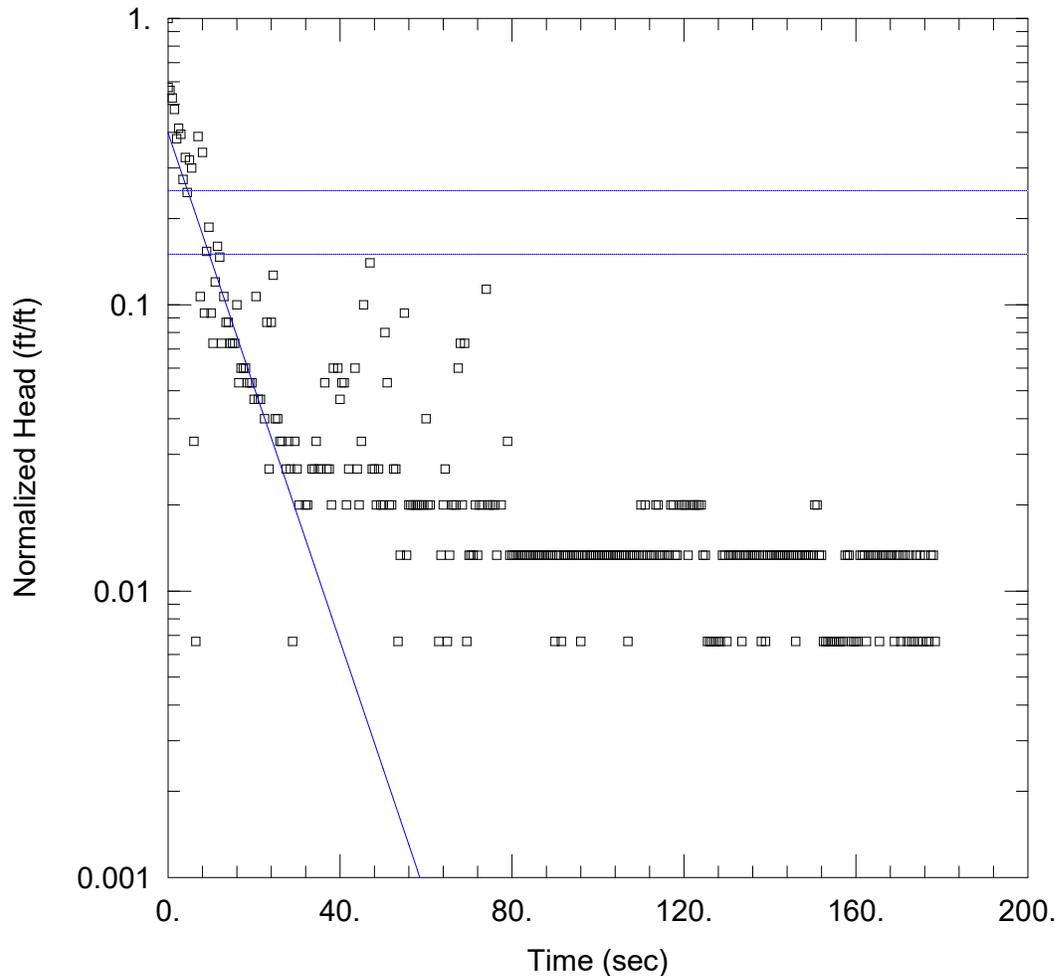
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

K = 0.0001789 ft/sec

y0 = 0.9984 ft



FALLING 1

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-323 Slug In_1 Hvorslev.aqt
 Date: 02/26/21 Time: 13:10:58

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02
 Location: Seattle, WA
 Test Well: MW-323
 Test Date: 12/18/19

AQUIFER DATA

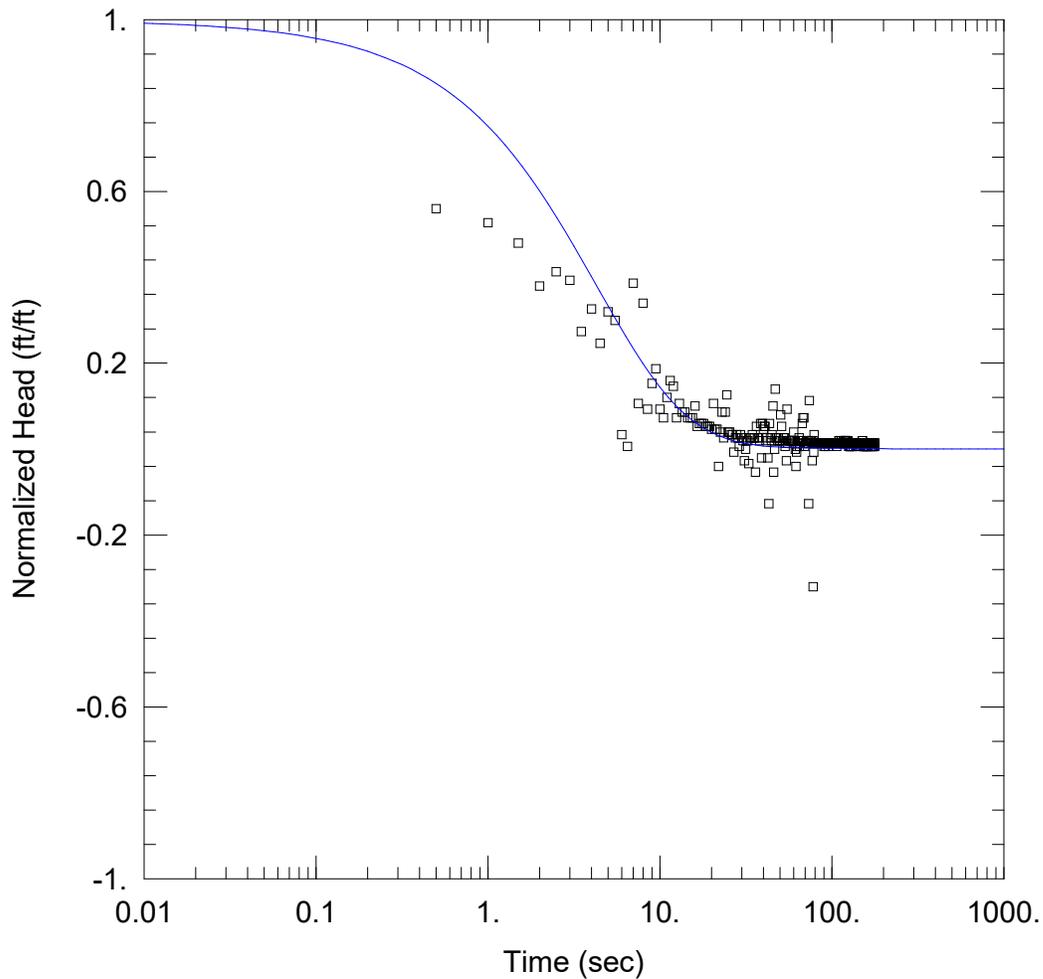
Saturated Thickness: 54. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-323)

Initial Displacement: 1.5 ft Static Water Column Height: 91.96 ft
 Total Well Penetration Depth: 21. ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 K = 0.0001687 ft/sec y0 = 0.5968 ft



FALLING 1

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-323_Slug In_1 KGS.aqt

Date: 02/26/21

Time: 13:10:09

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02

Location: Seattle, WA

Test Well: MW-323

Test Date: 12/18/19

AQUIFER DATA

Saturated Thickness: 54. ft

WELL DATA (MW-323)

Initial Displacement: 1.5 ft

Total Well Penetration Depth: 21. ft

Casing Radius: 0.083 ft

Static Water Column Height: 91.96 ft

Screen Length: 10. ft

Well Radius: 0.083 ft

SOLUTION

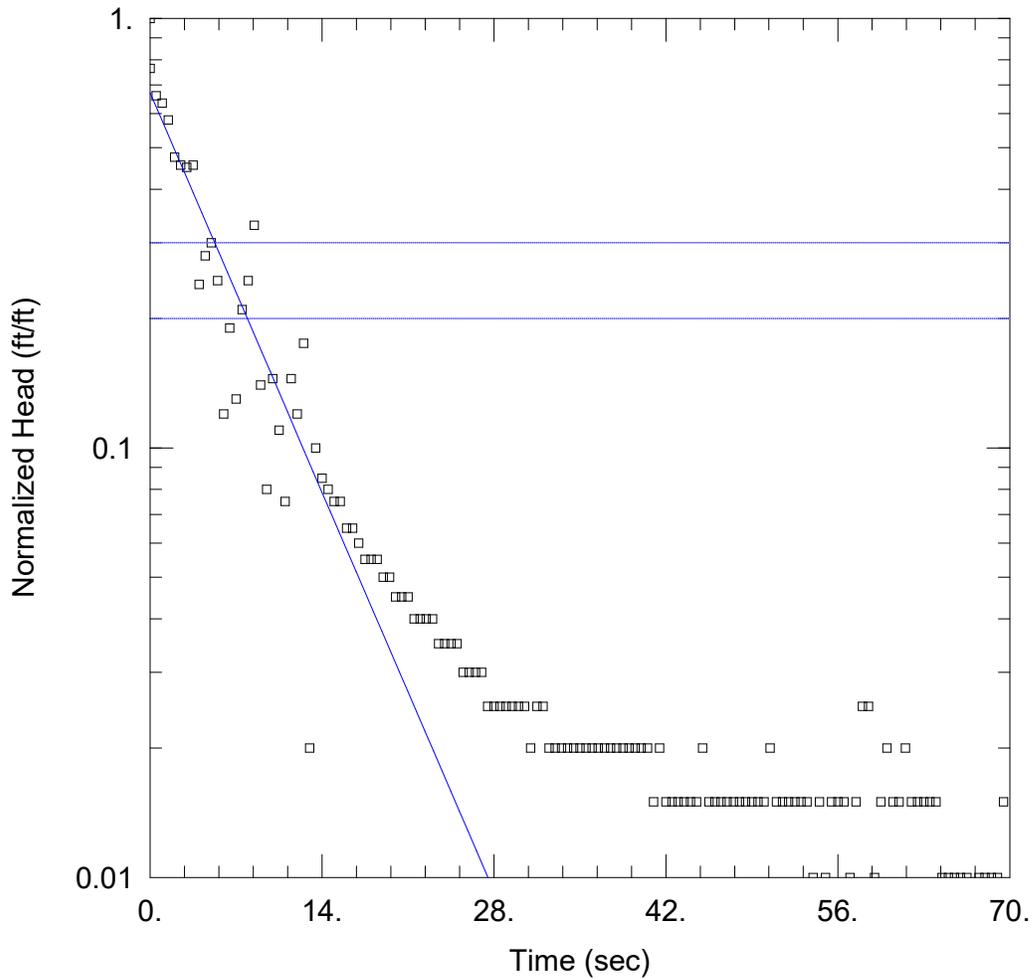
Aquifer Model: Confined

Kr = 0.0002807 ft/sec

Kz/Kr = 1.

Solution Method: KGS Model

Ss = 0.0001202 ft⁻¹



FALLING 2

Data Set: C:\...\MW-323 Slug In 2 Bower-Rice.aqt

Date: 02/26/21

Time: 13:09:10

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02

Location: Seattle, WA

Test Well: MW-323

Test Date: 12/18/19

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-323)

Initial Displacement: 2. ft

Static Water Column Height: 91.95 ft

Total Well Penetration Depth: 21. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.083 ft

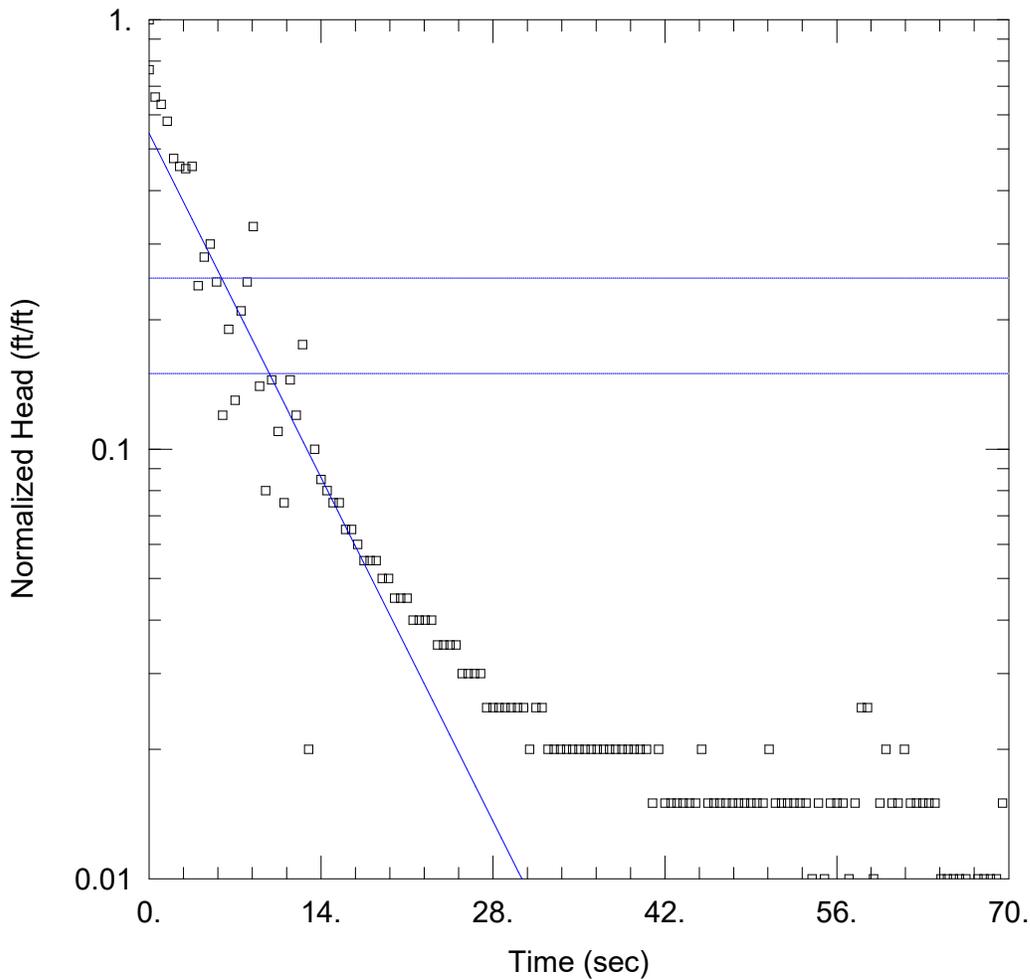
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

K = 0.0001883 ft/sec

y0 = 1.341 ft



FALLING 2

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-323 Slug In_2 Hvorslev.aqt
 Date: 02/26/21 Time: 13:08:28

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02
 Location: Seattle, WA
 Test Well: MW-323
 Test Date: 12/18/19

AQUIFER DATA

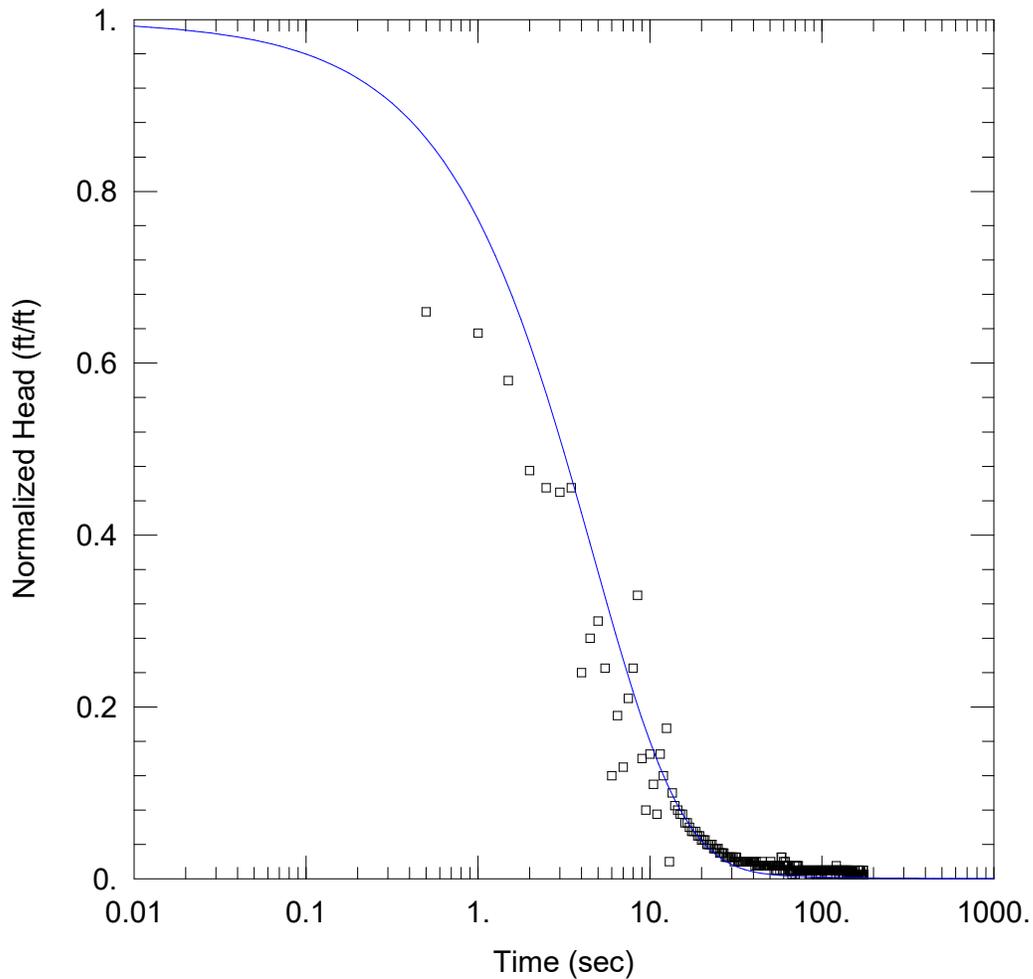
Saturated Thickness: 54. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-323)

Initial Displacement: 2. ft Static Water Column Height: 91.95 ft
 Total Well Penetration Depth: 21. ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 K = 0.0002172 ft/sec y0 = 1.088 ft



FALLING 2

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-323 Slug In_2 KGS.aqt
 Date: 02/26/21 Time: 13:07:51

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02
 Location: Seattle, WA
 Test Well: MW-323
 Test Date: 12/18/19

AQUIFER DATA

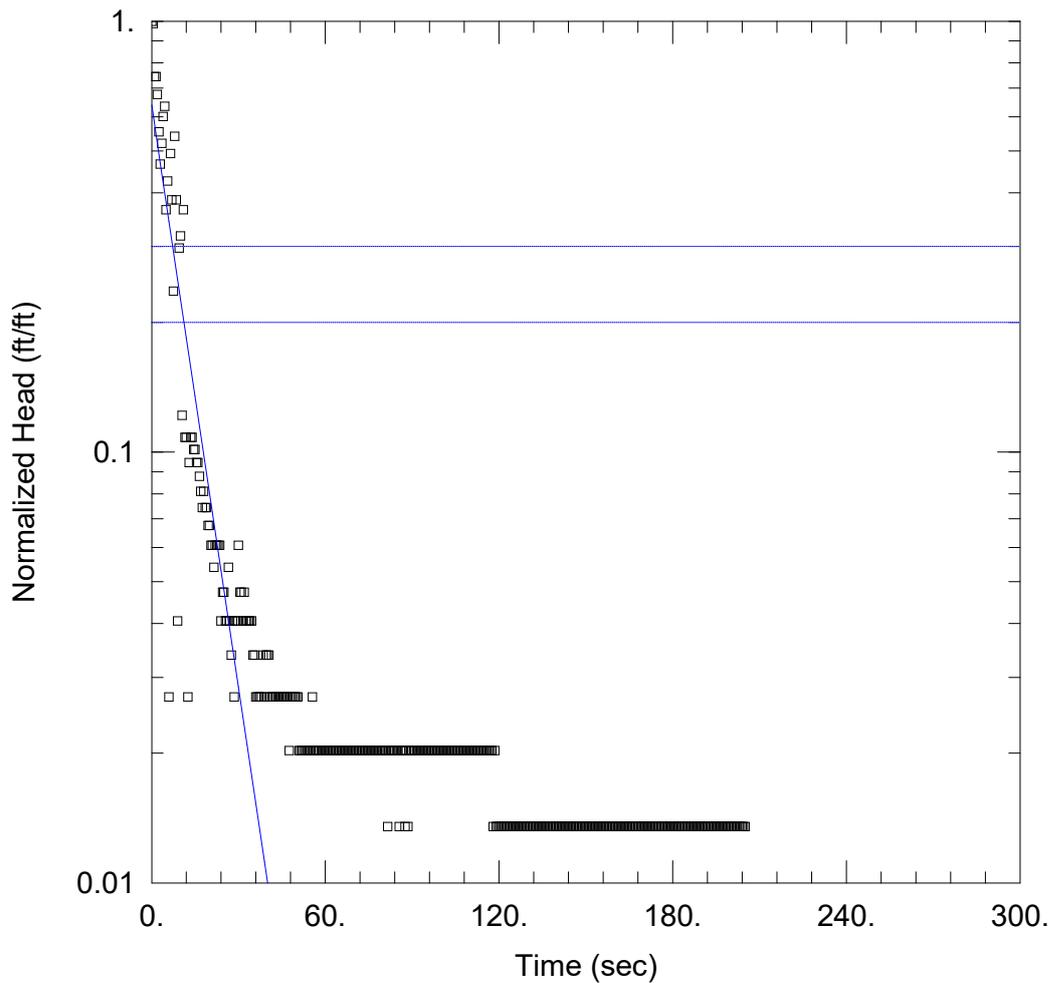
Saturated Thickness: 54. ft

WELL DATA (MW-323)

Initial Displacement: <u>2. ft</u>	Static Water Column Height: <u>91.95 ft</u>
Total Well Penetration Depth: <u>21. ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.083 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>0.0002643 ft/sec</u>	Ss = <u>0.0001 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



FALLING 3

Data Set: C:\...\MW-323 Slug In 3 Bower-Rice.aqt

Date: 01/07/20

Time: 10:37:16

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02

Location: Seattle, WA

Test Well: MW-323

Test Date: 12/18/19

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-323)

Initial Displacement: 1.48 ft

Static Water Column Height: 91.96 ft

Total Well Penetration Depth: 21. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.083 ft

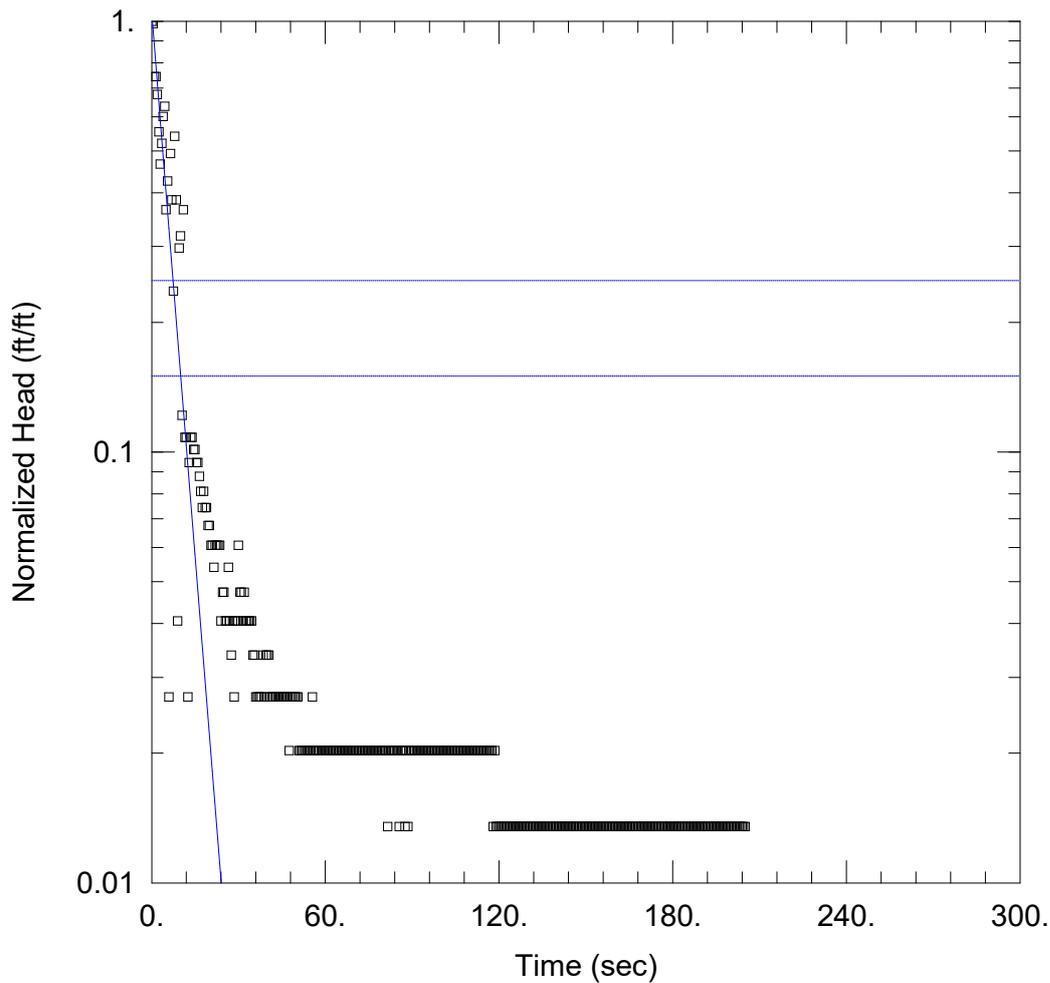
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

K = 0.0001278 ft/sec

y0 = 0.9458 ft



FALLING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-323_Slug In_3 Hvorslev.aqt
 Date: 01/07/20 Time: 10:38:24

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02
 Location: Seattle, WA
 Test Well: MW-323
 Test Date: 12/18/19

AQUIFER DATA

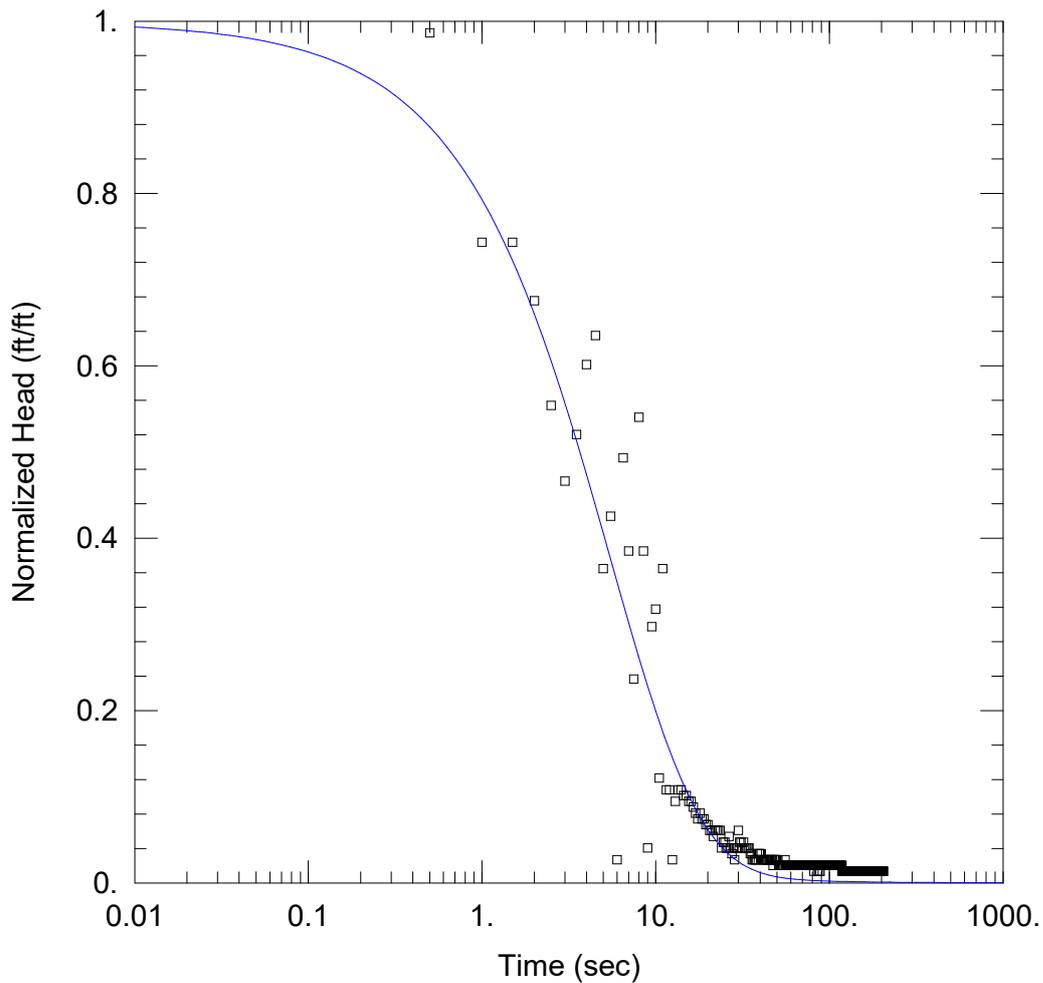
Saturated Thickness: 54. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-323)

Initial Displacement: 1.48 ft Static Water Column Height: 91.96 ft
 Total Well Penetration Depth: 21. ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 K = 0.0003193 ft/sec y0 = 1.561 ft



WELL TEST ANALYSIS

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-323_Slug In_3 KGS.aqt
 Date: 01/07/20 Time: 10:35:47

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02
 Location: Seattle, WA
 Test Well: MW-323
 Test Date: 12/18/19

AQUIFER DATA

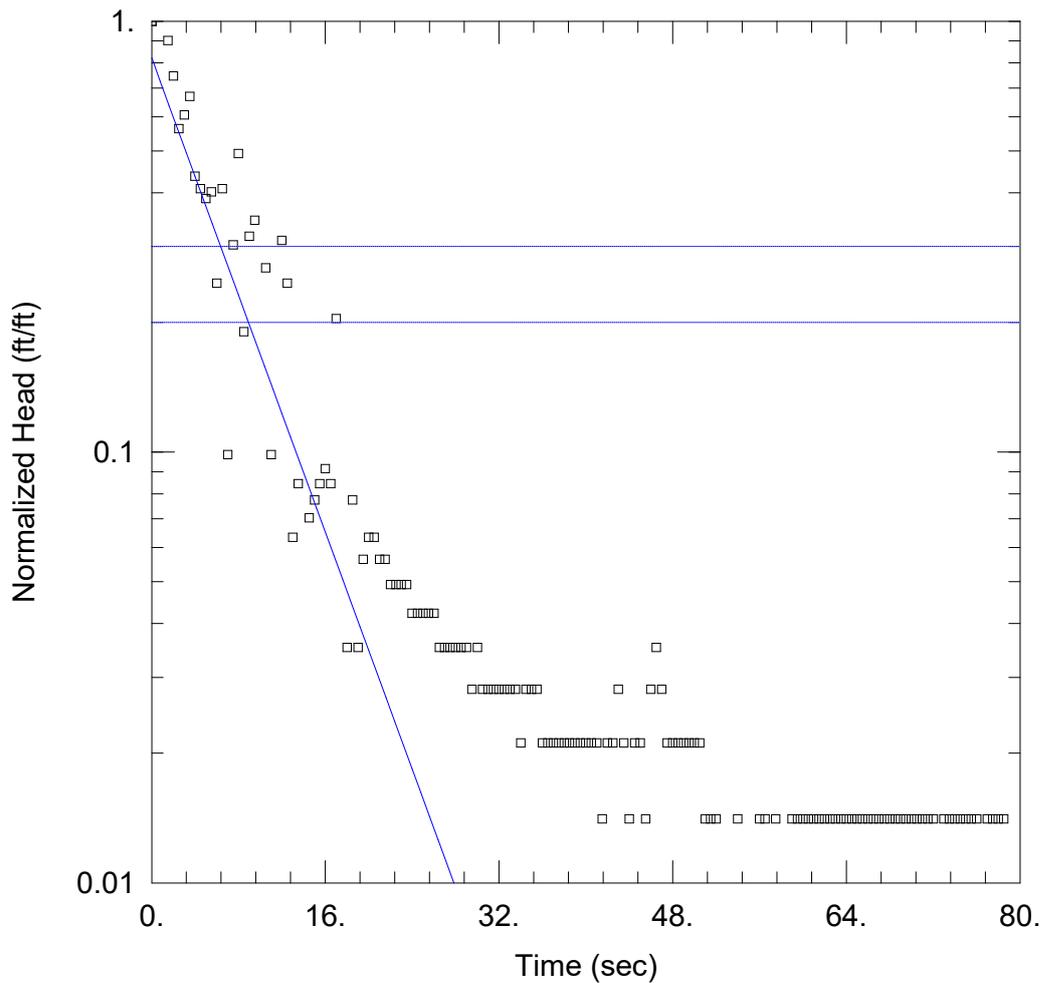
Saturated Thickness: 54. ft

WELL DATA (MW-323)

Initial Displacement: <u>1.48 ft</u>	Static Water Column Height: <u>91.96 ft</u>
Total Well Penetration Depth: <u>21. ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.083 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>0.0002256 ft/sec</u>	Ss = <u>0.0001 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



FALLING 4

Data Set: C:\...\MW-323 Slug In_4 Bower-Rice.aqt

Date: 01/07/20

Time: 10:59:43

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02

Location: Seattle, WA

Test Well: MW-323

Test Date: 12/18/19

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-323)

Initial Displacement: 1.42 ft

Static Water Column Height: 91.98 ft

Total Well Penetration Depth: 21. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.083 ft

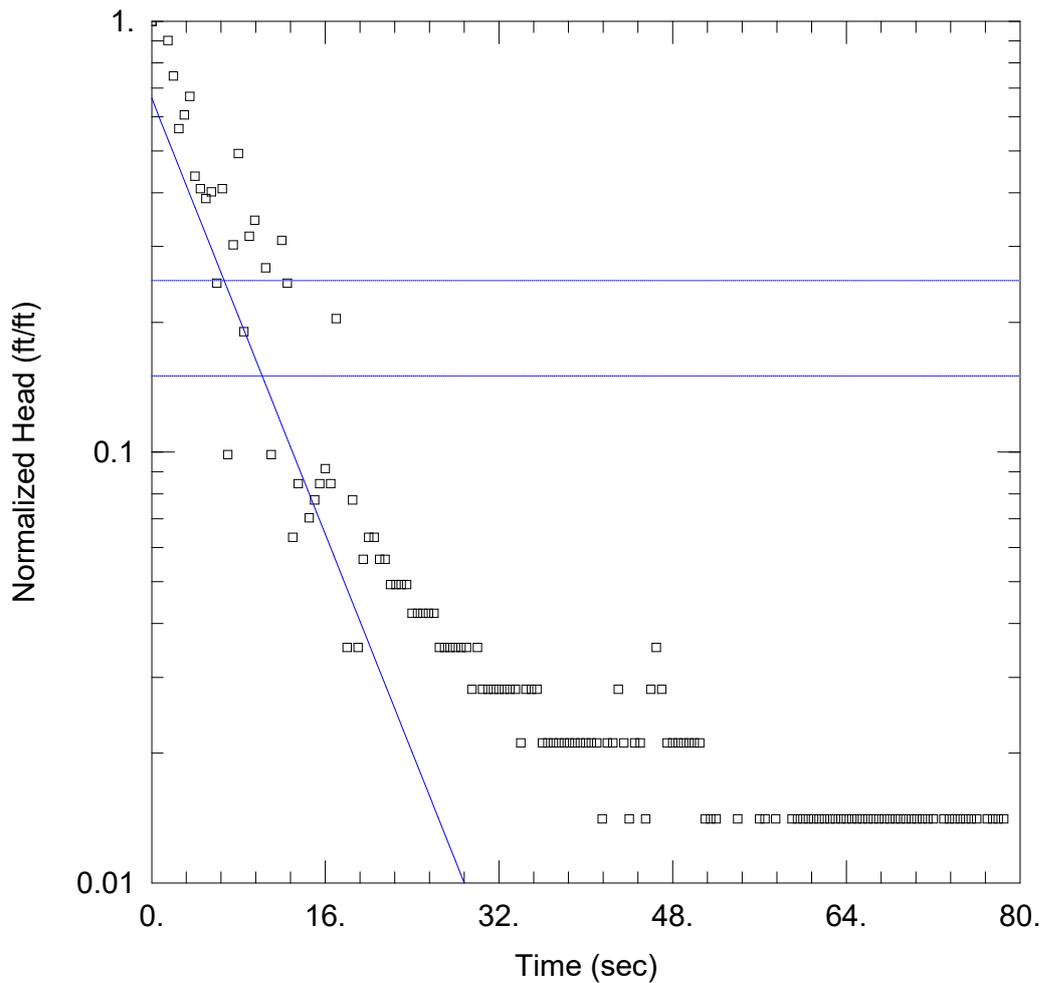
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

K = 0.0001952 ft/sec

y0 = 1.168 ft



FALLING 4

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-323_Slug In_4 Hvorslev.aqt
 Date: 01/07/20 Time: 10:58:36

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02
 Location: Seattle, WA
 Test Well: MW-323
 Test Date: 12/18/19

AQUIFER DATA

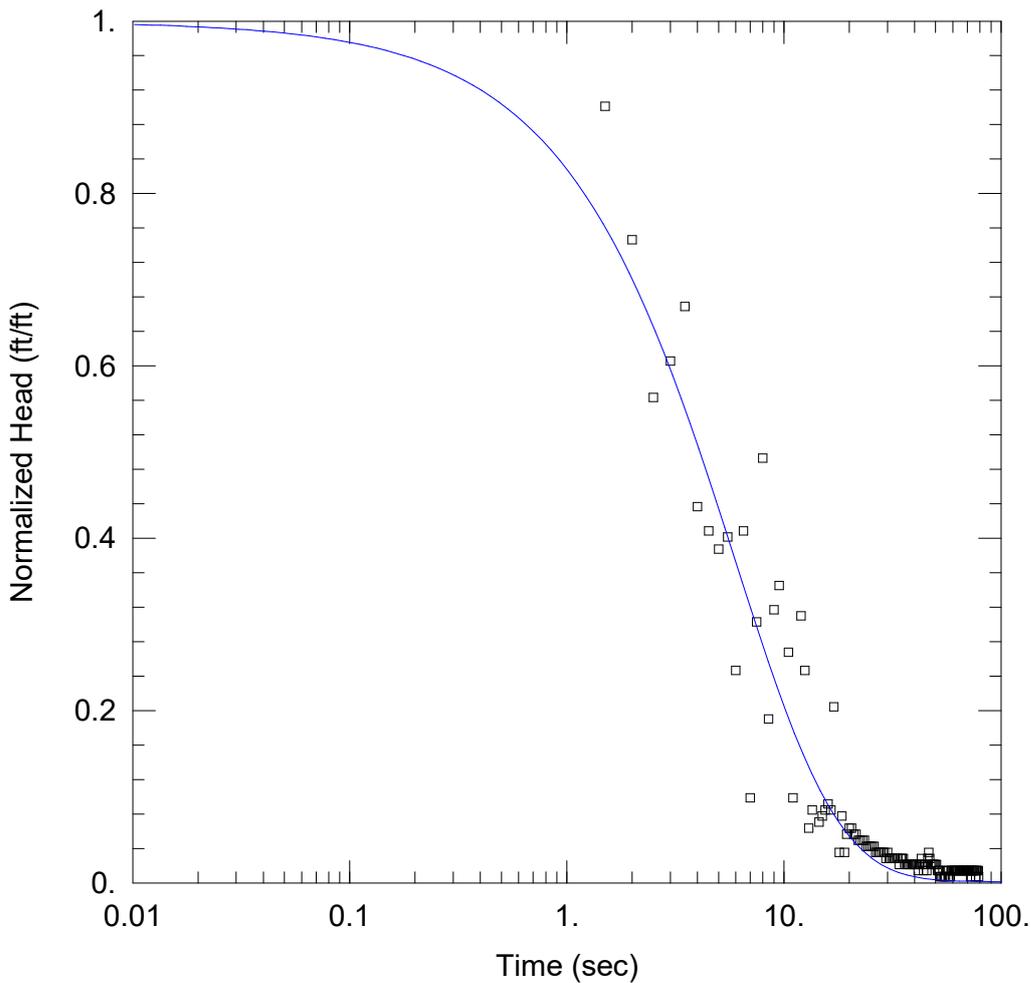
Saturated Thickness: 54. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-323)

Initial Displacement: 1.42 ft Static Water Column Height: 91.98 ft
 Total Well Penetration Depth: 21. ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 K = 0.0002404 ft/sec y0 = 0.9414 ft



FALLING 4

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-323_Slug In_4 KGS.aqt
 Date: 01/07/20 Time: 10:53:36

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02
 Location: Seattle, WA
 Test Well: MW-323
 Test Date: 12/18/19

AQUIFER DATA

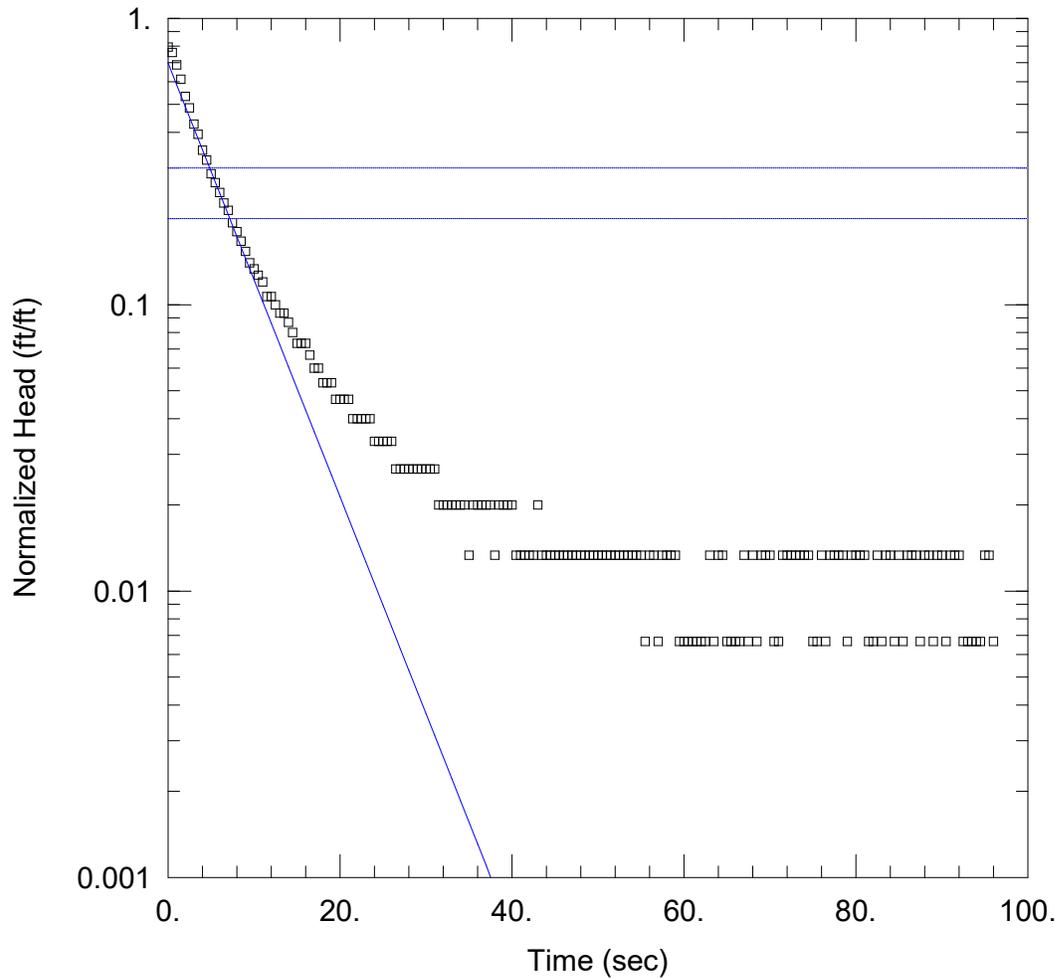
Saturated Thickness: 54. ft

WELL DATA (MW-323)

Initial Displacement: <u>1.42 ft</u>	Static Water Column Height: <u>91.98 ft</u>
Total Well Penetration Depth: <u>21. ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.083 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>0.0002392 ft/sec</u>	Ss = <u>1.0E-5 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



RISING 1

Data Set: C:\...\MW-323 Slug Out_1 Bower-Rice.aqt

Date: 02/26/21

Time: 13:27:53

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02

Location: Seattle, WA

Test Well: MW-323

Test Date: 12/18/19

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-323)

Initial Displacement: -1.5 ft

Static Water Column Height: 91.96 ft

Total Well Penetration Depth: 21. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.083 ft

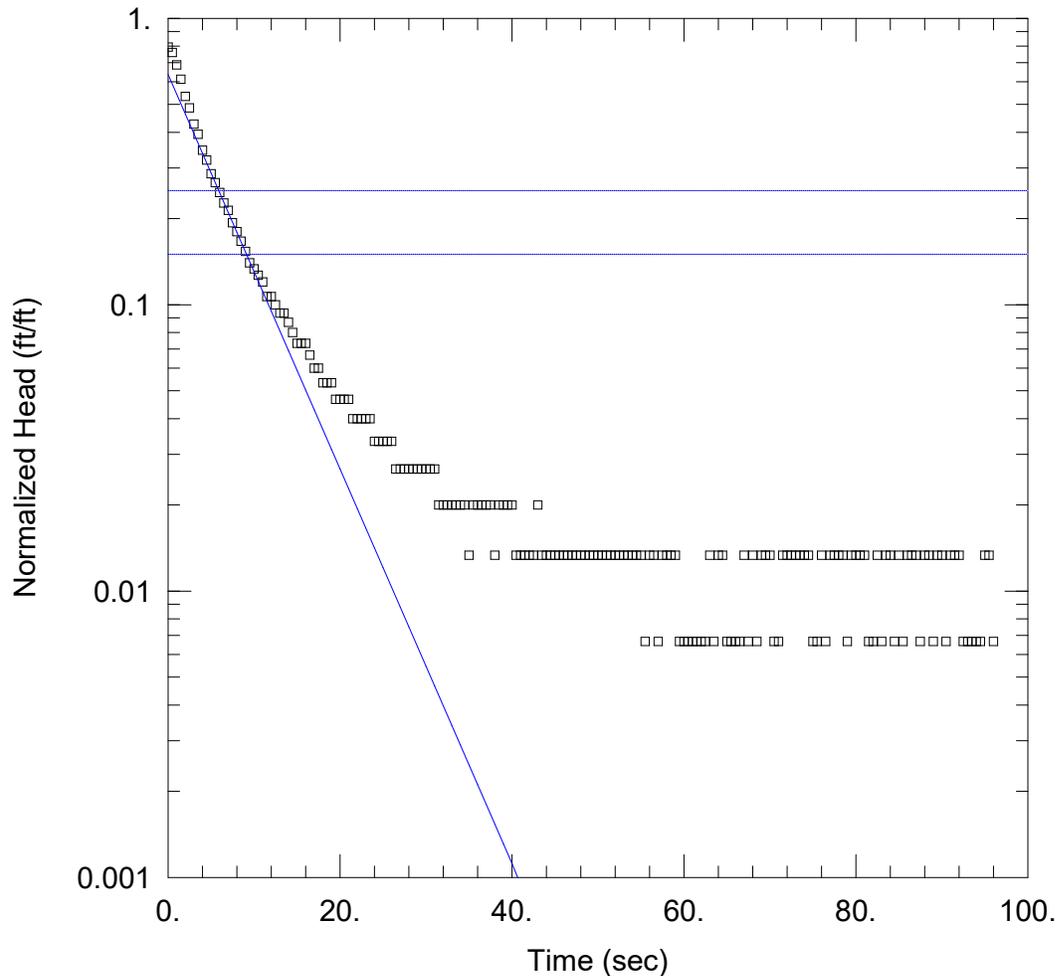
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

K = 0.000215 ft/sec

y0 = -1.046 ft



RISING 1

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-323_Slug Out_1 Hvorslev.aqt
 Date: 02/26/21 Time: 13:27:24

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02
 Location: Seattle, WA
 Test Well: MW-323
 Test Date: 12/18/19

AQUIFER DATA

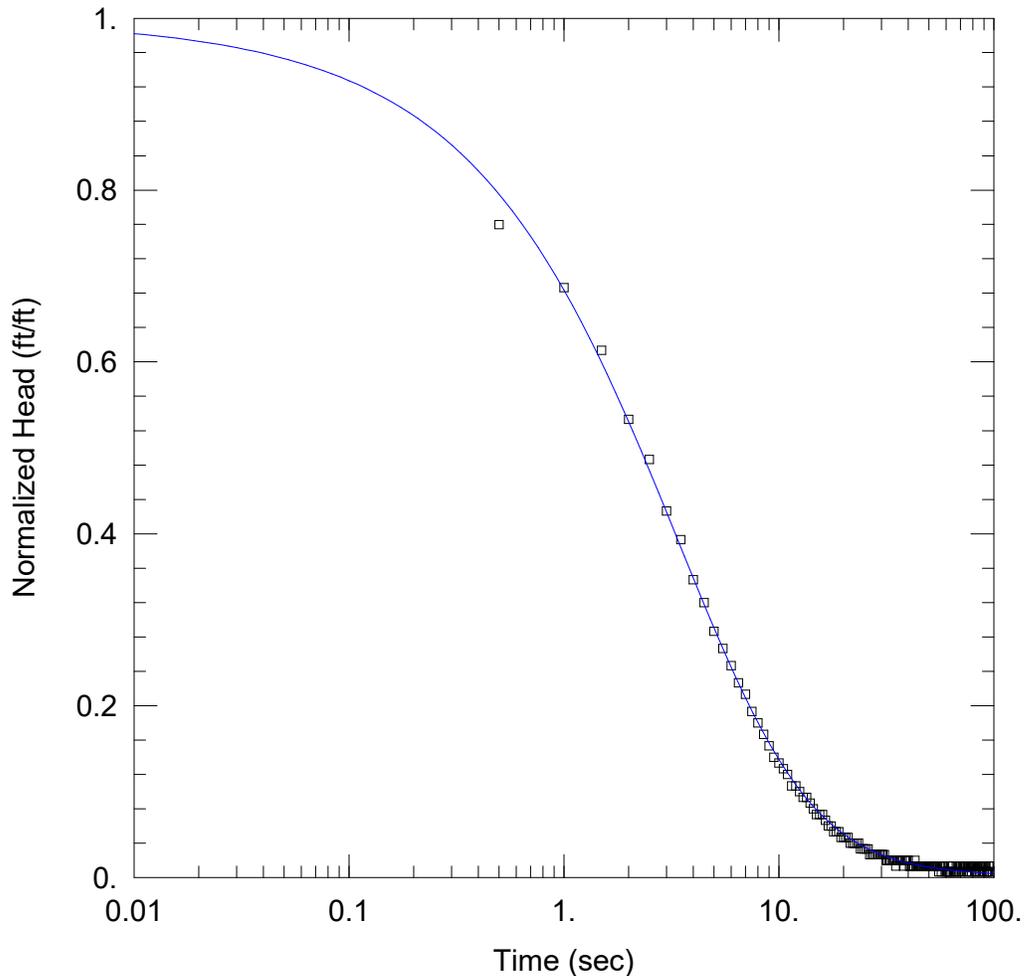
Saturated Thickness: 54. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-323)

Initial Displacement: -1.5 ft Static Water Column Height: 91.96 ft
 Total Well Penetration Depth: 21. ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 K = 0.0002618 ft/sec y0 = -0.9552 ft



RISING 1

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-323_Slug Out_1 KGS.aqt
 Date: 02/26/21 Time: 13:26:33

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02
 Location: Seattle, WA
 Test Well: MW-323
 Test Date: 12/18/19

AQUIFER DATA

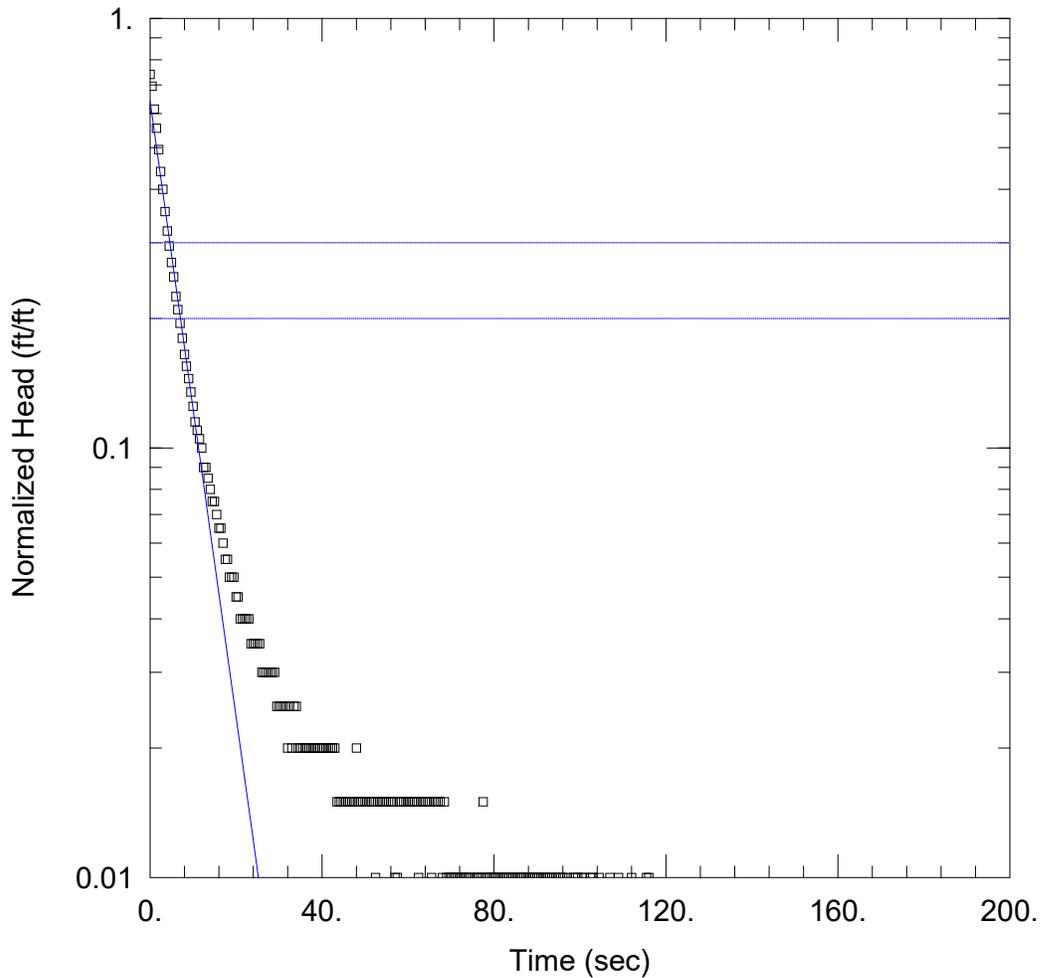
Saturated Thickness: 54. ft

WELL DATA (MW-323)

Initial Displacement: <u>-1.5 ft</u>	Static Water Column Height: <u>91.96 ft</u>
Total Well Penetration Depth: <u>21. ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.083 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>0.0002437 ft/sec</u>	Ss = <u>0.001183 ft⁻¹</u>
Kz/Kr = <u>1</u>	



RISING 3

Data Set: C:\...\MW-323 Slug Out_3 Bower-Rice.aqt

Date: 02/26/21

Time: 13:16:15

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02

Location: Seattle, WA

Test Well: MW-323

Test Date: 12/18/19

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-323)

Initial Displacement: -2. ft

Static Water Column Height: 91.96 ft

Total Well Penetration Depth: 21. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.083 ft

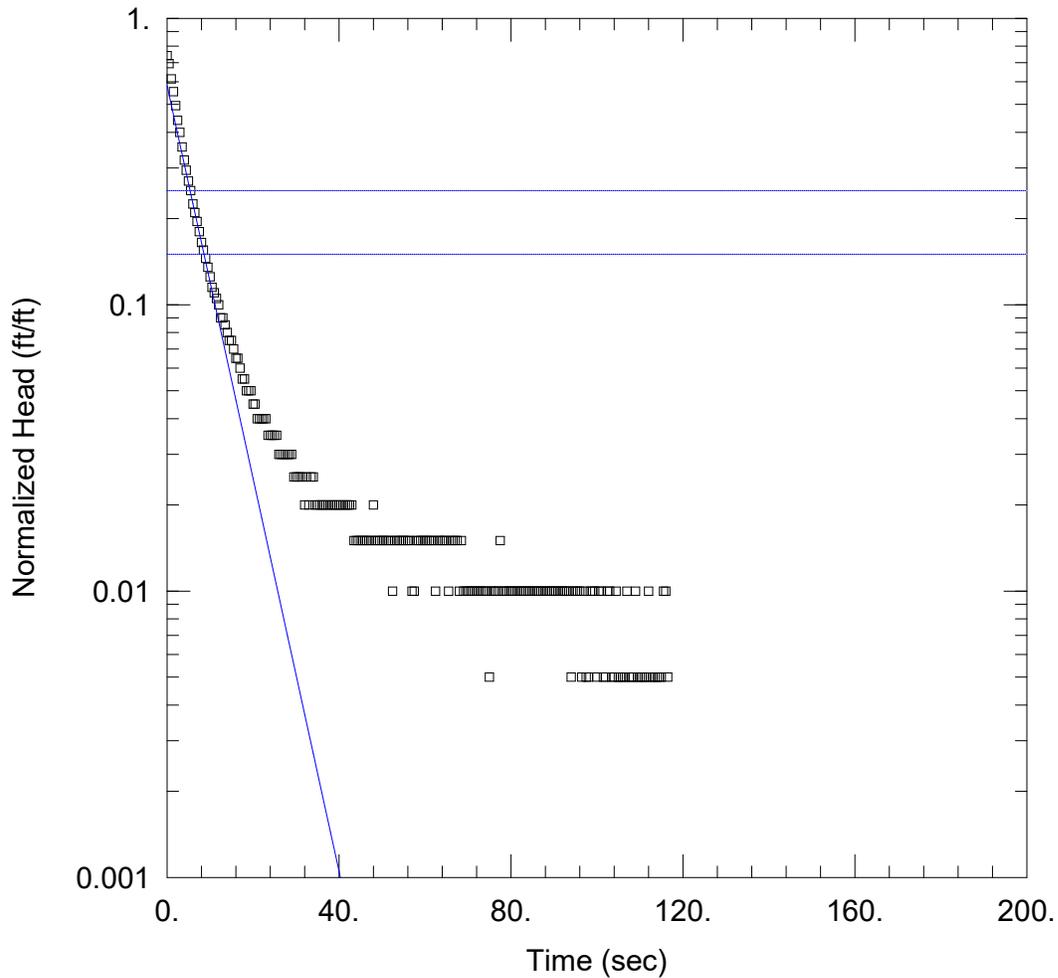
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

K = 0.0002035 ft/sec

y0 = -1.282 ft



RISING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-323_Slug Out_3 Hvorslev.aqt
 Date: 02/26/21 Time: 13:15:57

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02
 Location: Seattle, WA
 Test Well: MW-323
 Test Date: 12/18/19

AQUIFER DATA

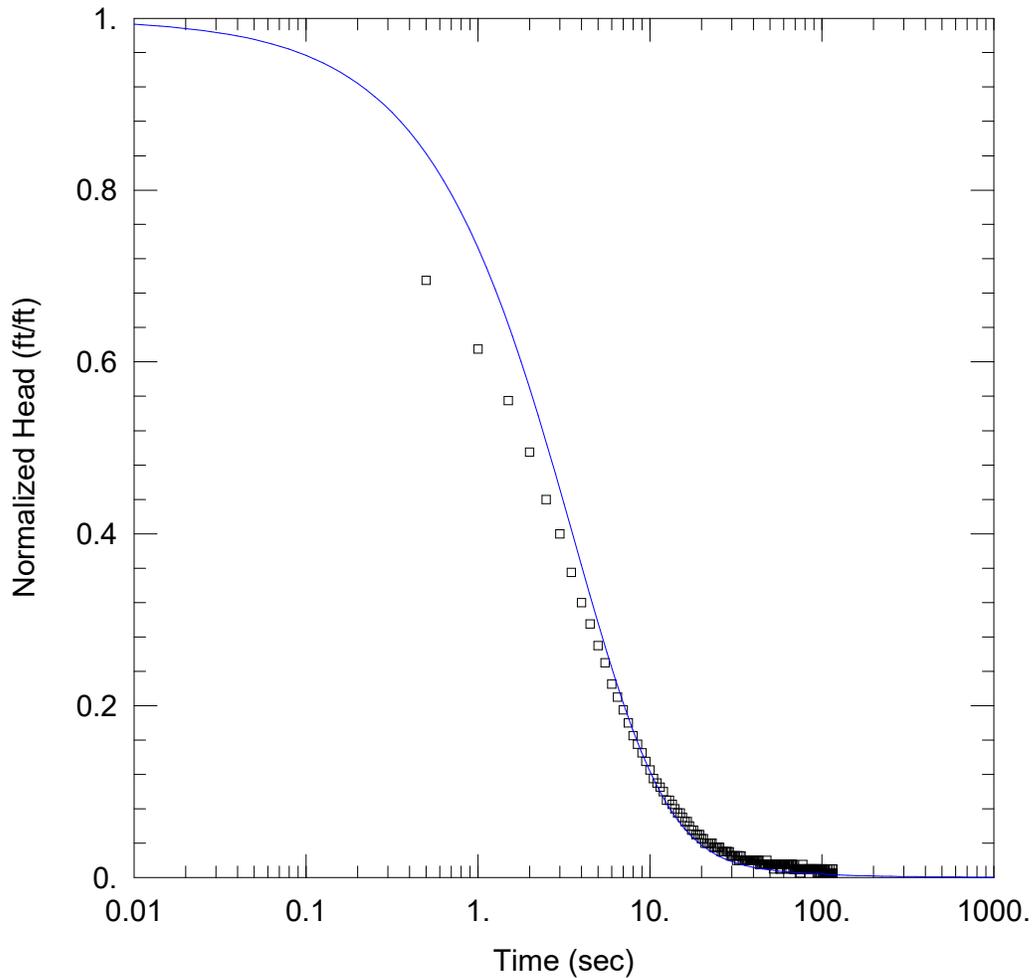
Saturated Thickness: 54. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-323)

Initial Displacement: -2. ft Static Water Column Height: 91.96 ft
 Total Well Penetration Depth: 21. ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 K = 0.0002606 ft/sec y0 = -1.163 ft



RISING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-323 Slug Out_3 KGS.aqt
 Date: 02/26/21 Time: 13:15:35

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02
 Location: Seattle, WA
 Test Well: MW-323
 Test Date: 12/18/19

AQUIFER DATA

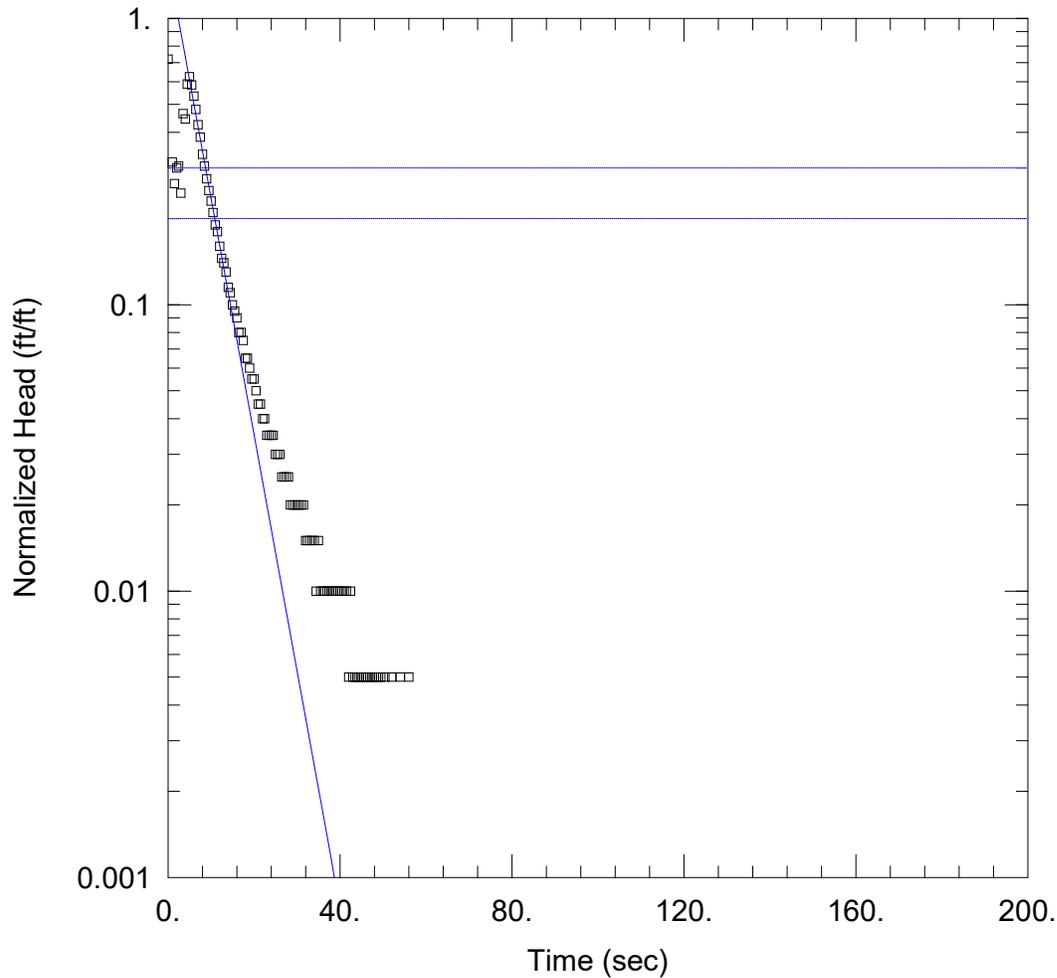
Saturated Thickness: 54. ft

WELL DATA (MW-323)

Initial Displacement: <u>-2. ft</u>	Static Water Column Height: <u>91.96 ft</u>
Total Well Penetration Depth: <u>21. ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.083 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>0.000435 ft/sec</u>	Ss = <u>1.918E-5 ft⁻¹</u>
Kz/Kr = <u>0.001</u>	



RISING 4

Data Set: C:\...\MW-323 Slug Out_4 Bower-Rice.aqt

Date: 02/26/21

Time: 13:14:49

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02

Location: Seattle, WA

Test Well: MW-323

Test Date: 12/18/19

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-323)

Initial Displacement: -2. ft

Static Water Column Height: 91.96 ft

Total Well Penetration Depth: 21. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.083 ft

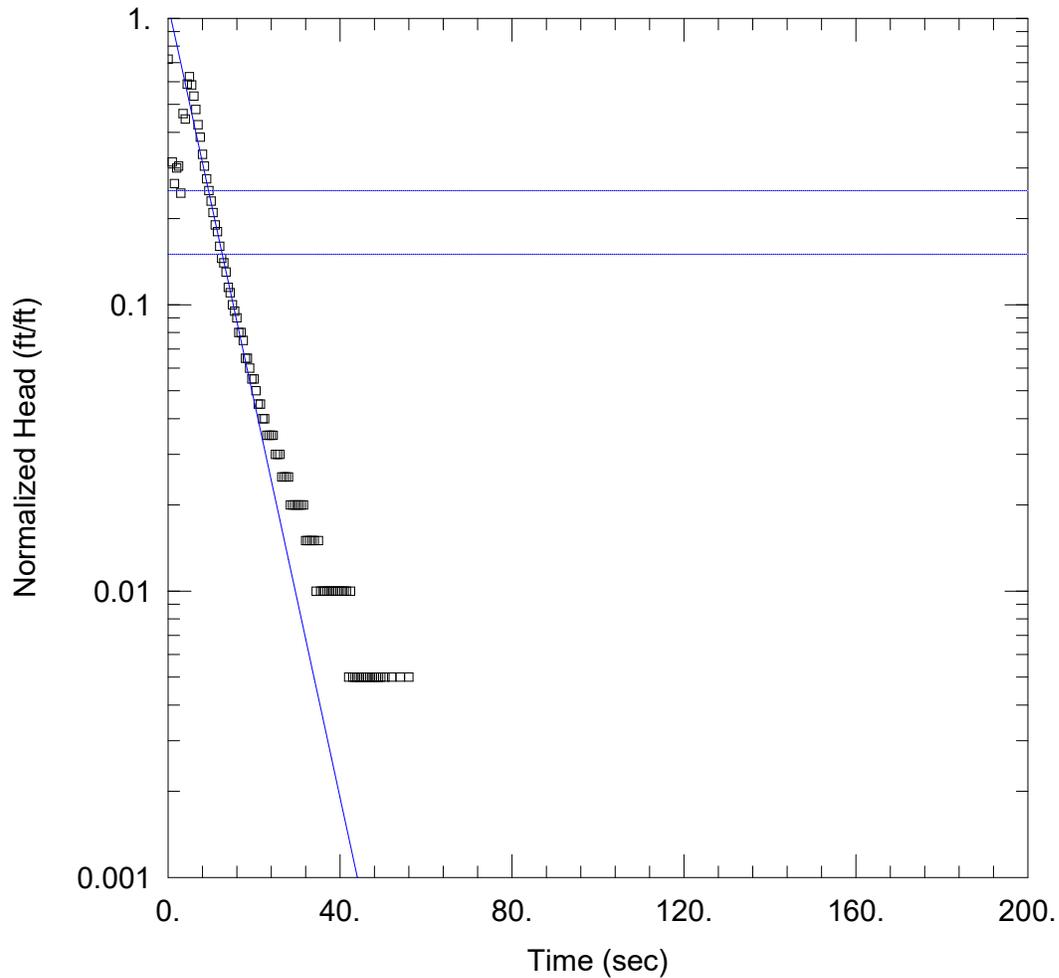
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

K = 0.0002342 ft/sec

y0 = -3.142 ft



RISING 4

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-323_Slug Out_4Hvorslev.aqt
 Date: 02/26/21 Time: 13:14:30

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02
 Location: Seattle, WA
 Test Well: MW-323
 Test Date: 12/18/19

AQUIFER DATA

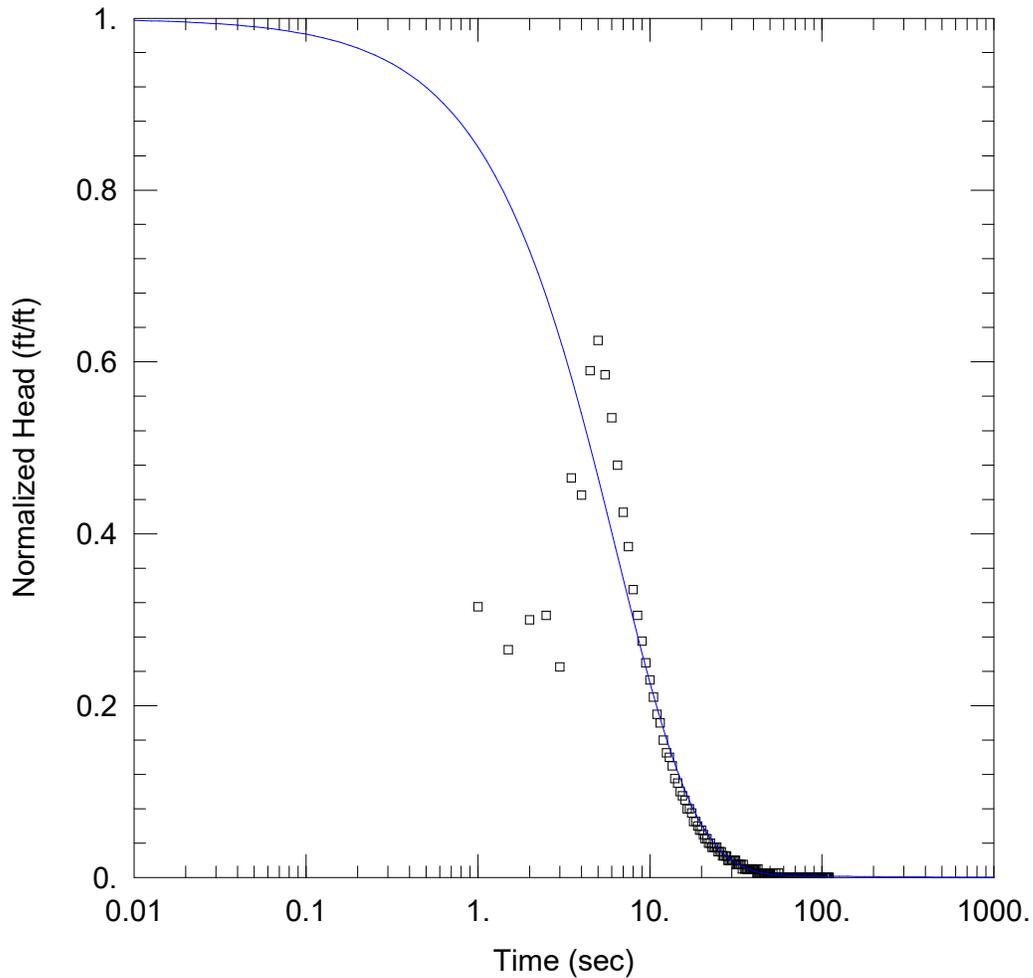
Saturated Thickness: 54. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-323)

Initial Displacement: -2. ft Static Water Column Height: 91.96 ft
 Total Well Penetration Depth: 21. ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 K = 0.0002631 ft/sec y0 = -2.236 ft



RISING 4

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-323 Slug Out_4 KGS.aqt
 Date: 02/26/21 Time: 13:14:02

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02
 Location: Seattle, WA
 Test Well: MW-323
 Test Date: 12/18/19

AQUIFER DATA

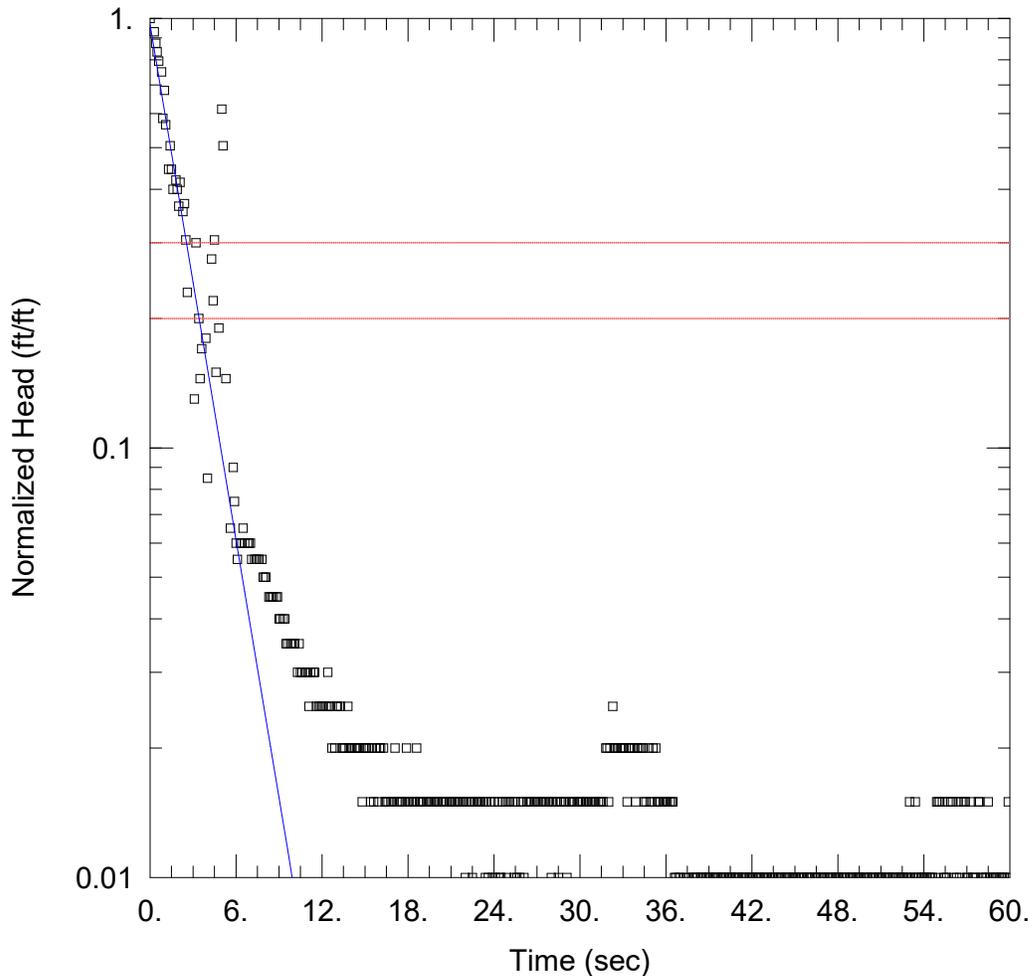
Saturated Thickness: 54. ft

WELL DATA (MW-323)

Initial Displacement: <u>-2. ft</u>	Static Water Column Height: <u>91.96 ft</u>
Total Well Penetration Depth: <u>21. ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.083 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>0.0002345 ft/sec</u>	Ss = <u>1.0E-6 ft⁻¹</u>
Kz/Kr = <u>1</u>	



FALLING 4

Data Set: C:\...\MW-328 Slug In 4 bOUWER-rICE.aqt

Date: 02/26/21

Time: 13:31:08

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02

Location: Seattle, WA

Test Well: MW-328

Test Date: 12/24/19

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-328)

Initial Displacement: 2. ft

Static Water Column Height: 64.41 ft

Total Well Penetration Depth: 10. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.083 ft

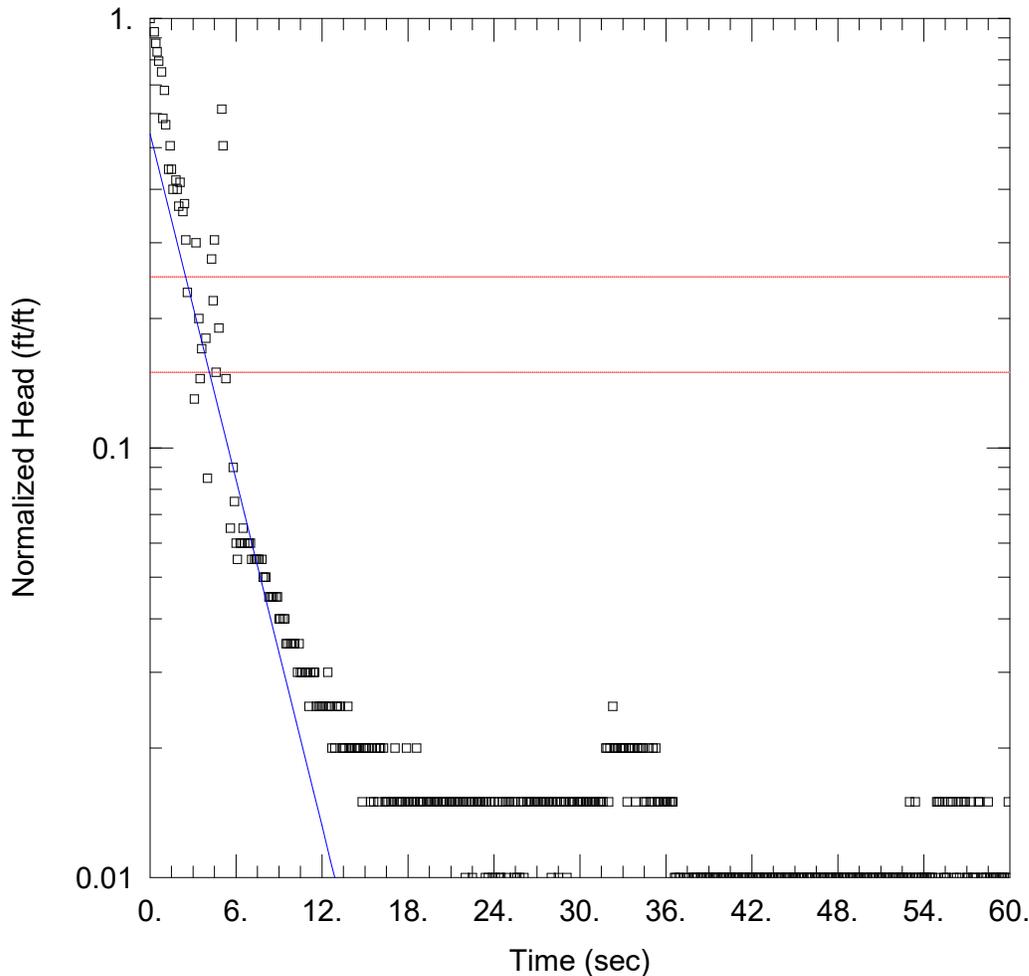
SOLUTION

Aquifer Model: Confined

Solution Method: Bouwer-Rice

K = 0.0005113 ft/sec

y0 = 1.932 ft



FALLING 4

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-328 Slug In_4 Hvorslev.aqt
 Date: 02/26/21 Time: 13:30:35

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02
 Location: Seattle, WA
 Test Well: MW-328
 Test Date: 12/24/19

AQUIFER DATA

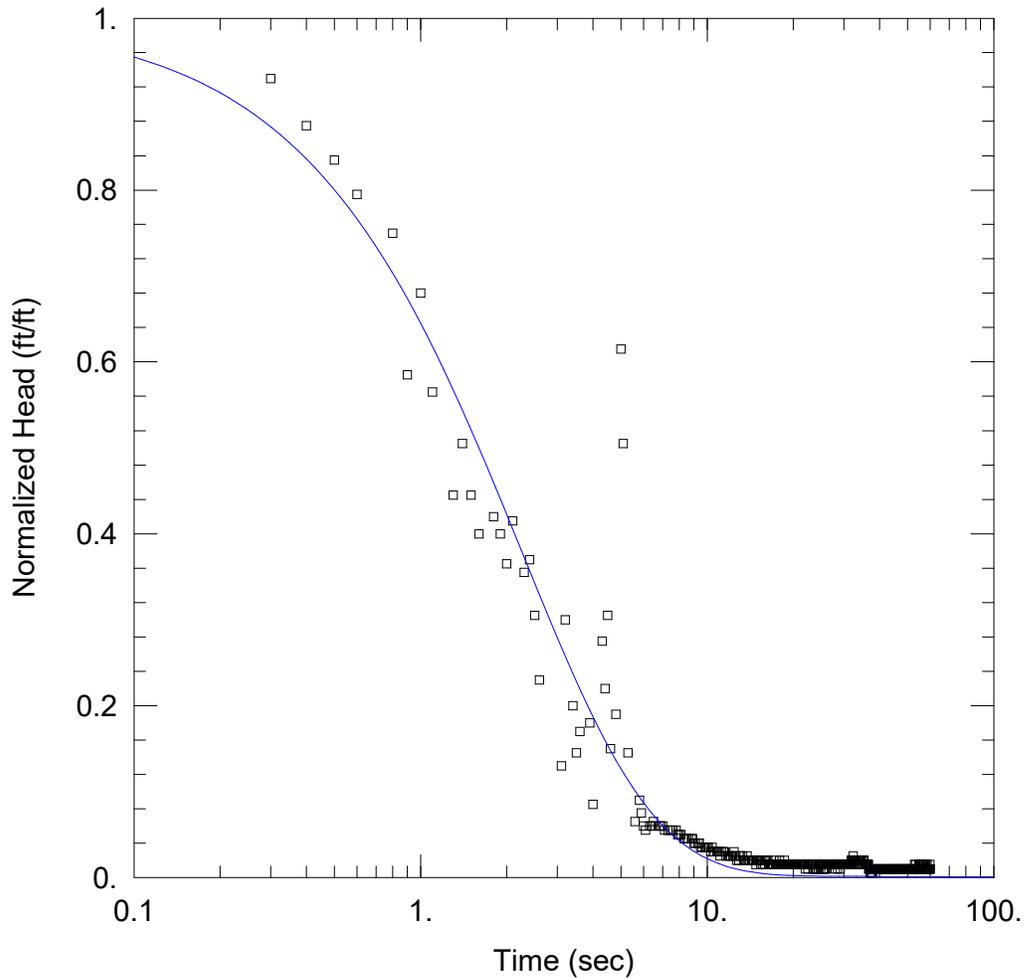
Saturated Thickness: 54. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-328)

Initial Displacement: 2. ft Static Water Column Height: 64.41 ft
 Total Well Penetration Depth: 10. ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 K = 0.0005839 ft/sec y0 = 1.076 ft



FALLING 4

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-328 Slug In_4 KGS.aqt
 Date: 02/26/21 Time: 13:29:59

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02
 Location: Seattle, WA
 Test Well: MW-328
 Test Date: 12/24/19

AQUIFER DATA

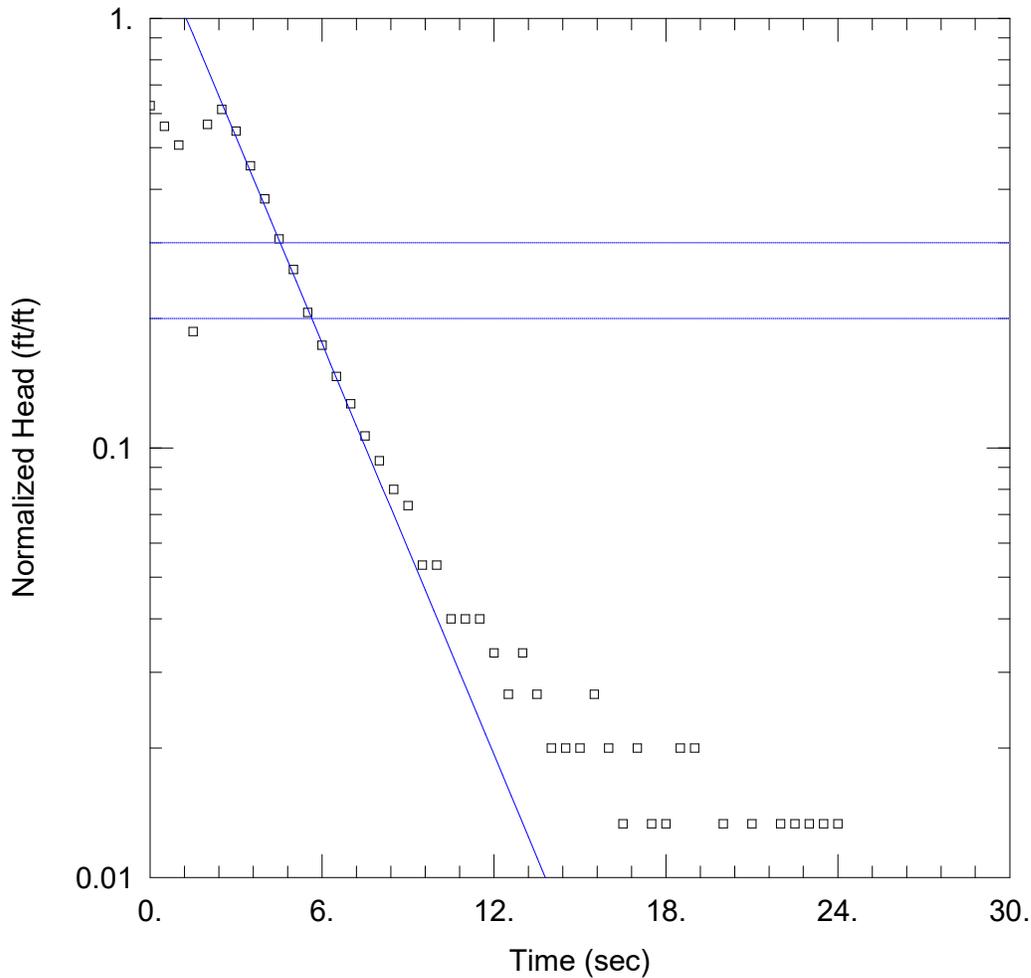
Saturated Thickness: 54. ft

WELL DATA (MW-328)

Initial Displacement: <u>2. ft</u>	Static Water Column Height: <u>64.41 ft</u>
Total Well Penetration Depth: <u>10. ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.083 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>0.0007862 ft/sec</u>	Ss = <u>4.505E-8 ft⁻¹</u>
Kz/Kr = <u>1</u>	



RISING 1

Data Set: C:\...\MW-328 Slug Out_1 Bower-Rice.aqt

Date: 02/26/21

Time: 13:35:18

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02

Location: Seattle, WA

Test Well: MW-328

Test Date: 12/18/19

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-328)

Initial Displacement: -1.5 ft

Static Water Column Height: 63. ft

Total Well Penetration Depth: 10. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.083 ft

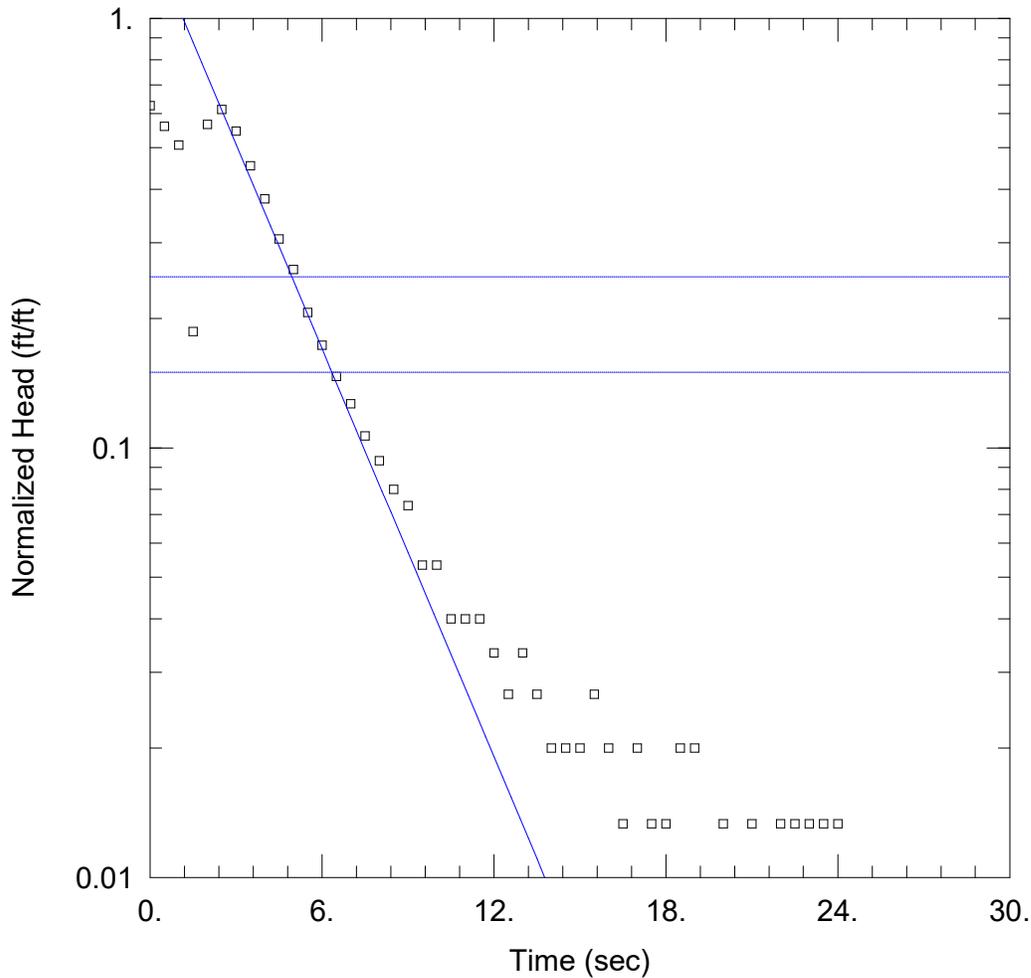
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

K = 0.0004082 ft/sec

y0 = -2.389 ft



RISING 1

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-328 Slug Out_1 Hvorslev.aqt
 Date: 02/26/21 Time: 13:34:45

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02
 Location: Seattle, WA
 Test Well: MW-328
 Test Date: 12/18/19

AQUIFER DATA

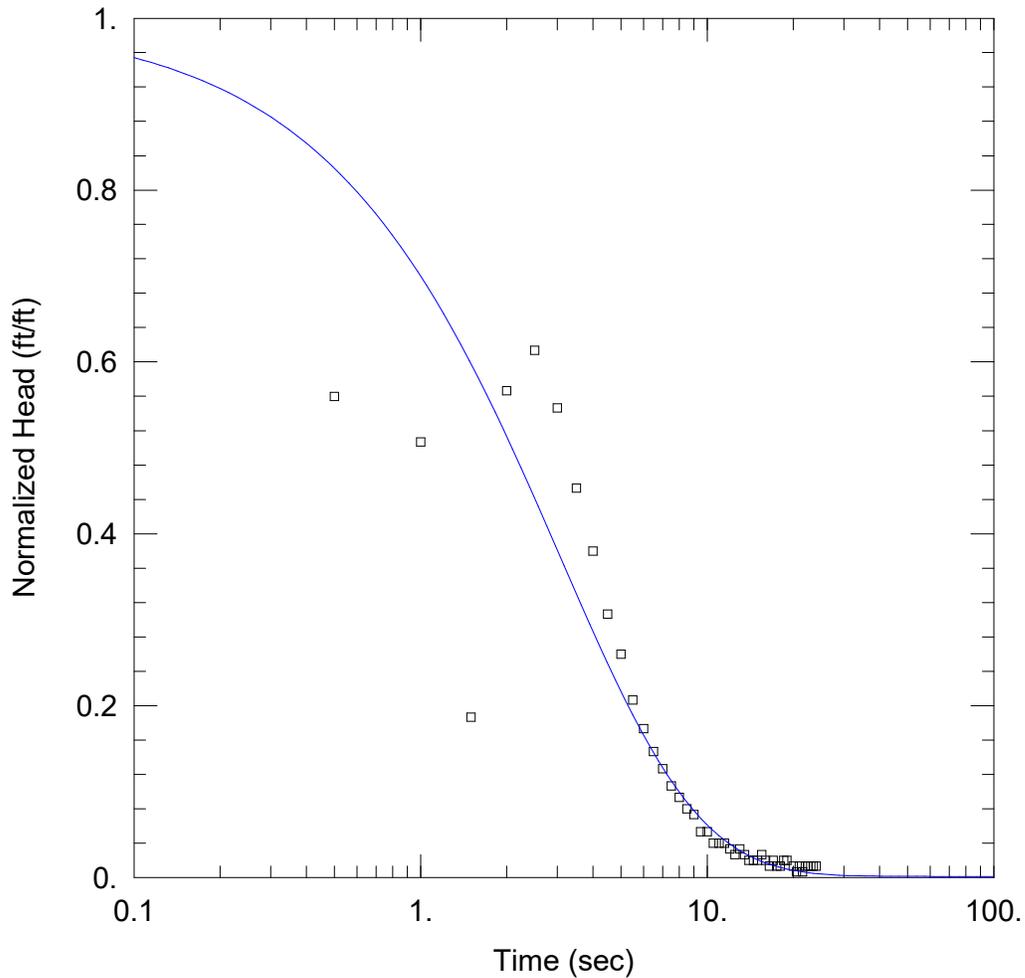
Saturated Thickness: 54. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-328)

Initial Displacement: -1.5 ft Static Water Column Height: 63. ft
 Total Well Penetration Depth: 10. ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 K = 0.0006889 ft/sec y0 = -2.279 ft



RISING 1

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-328 Slug Out_1 KGS.aqt
 Date: 02/26/21 Time: 13:33:52

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02
 Location: Seattle, WA
 Test Well: MW-328
 Test Date: 12/18/19

AQUIFER DATA

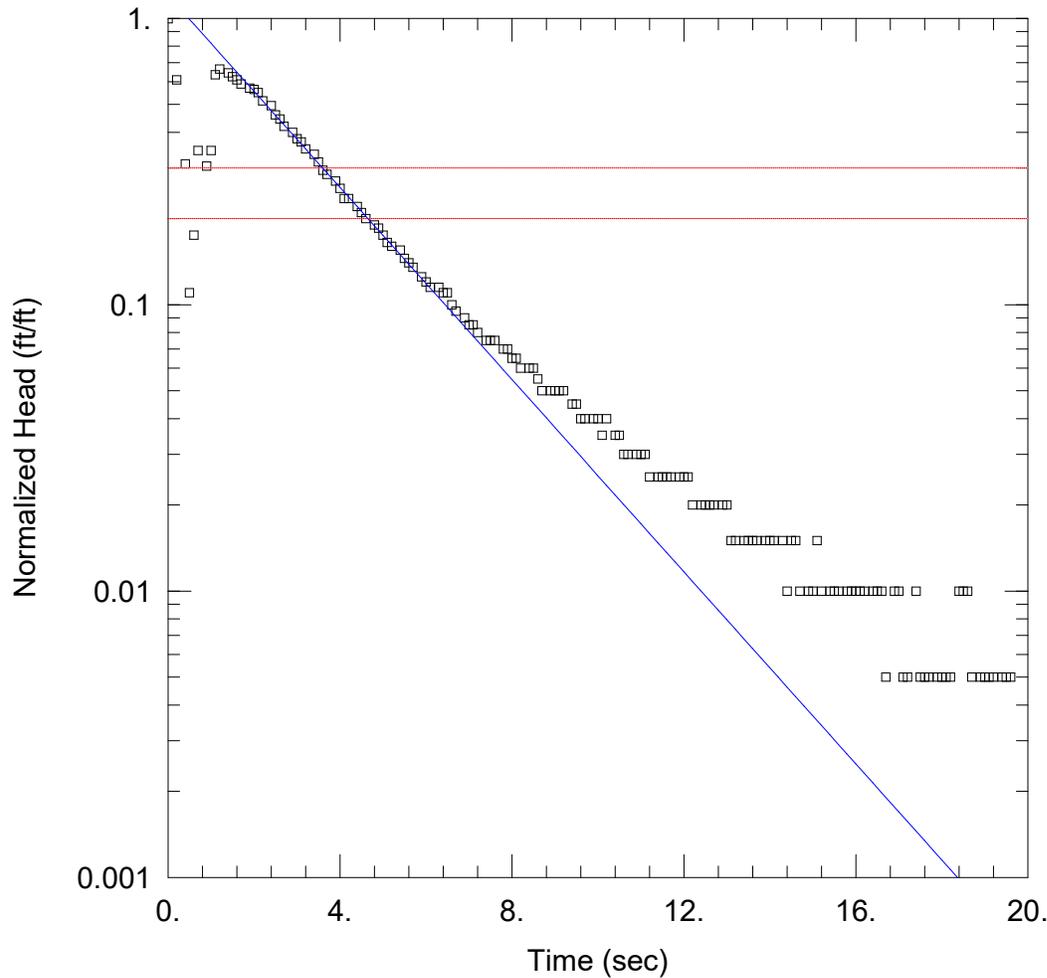
Saturated Thickness: 54. ft

WELL DATA (MW-328)

Initial Displacement: <u>-1.5 ft</u>	Static Water Column Height: <u>63. ft</u>
Total Well Penetration Depth: <u>10. ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.083 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>0.000517 ft/sec</u>	Ss = <u>1.0E-5 ft⁻¹</u>
Kz/Kr = <u>1</u>	



RISING 3

Data Set: C:\...\MW-328 Slug Out_3 Bower-Rice.aqt

Date: 02/26/21

Time: 13:37:00

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02

Location: Seattle, WA

Test Well: MW-328

Test Date: 12/24/19

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-328)

Initial Displacement: -2. ft

Static Water Column Height: 63. ft

Total Well Penetration Depth: 10. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.083 ft

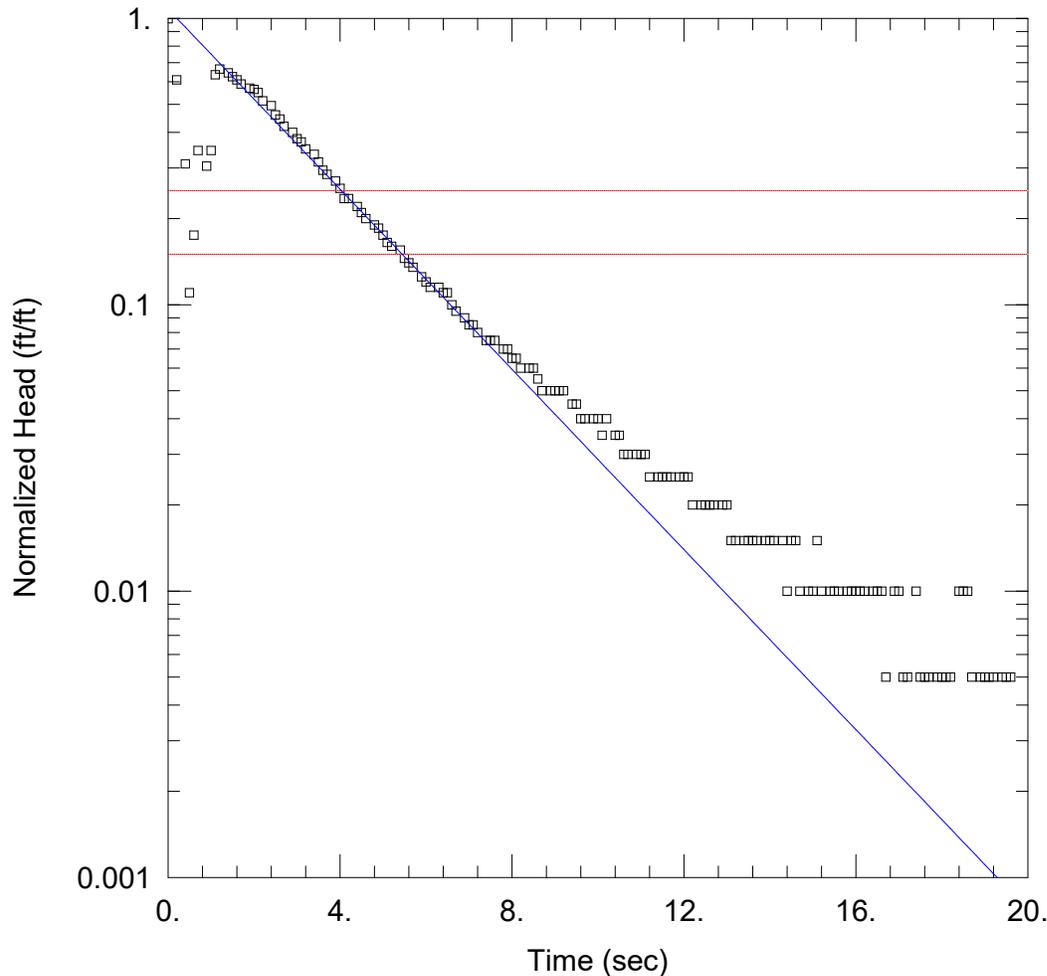
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

K = 0.0004286 ft/sec

y0 = -2.405 ft



RISING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-328 Slug Out_3 Hvorslev.aqt
 Date: 02/26/21 Time: 13:36:41

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02
 Location: Seattle, WA
 Test Well: MW-328
 Test Date: 12/24/19

AQUIFER DATA

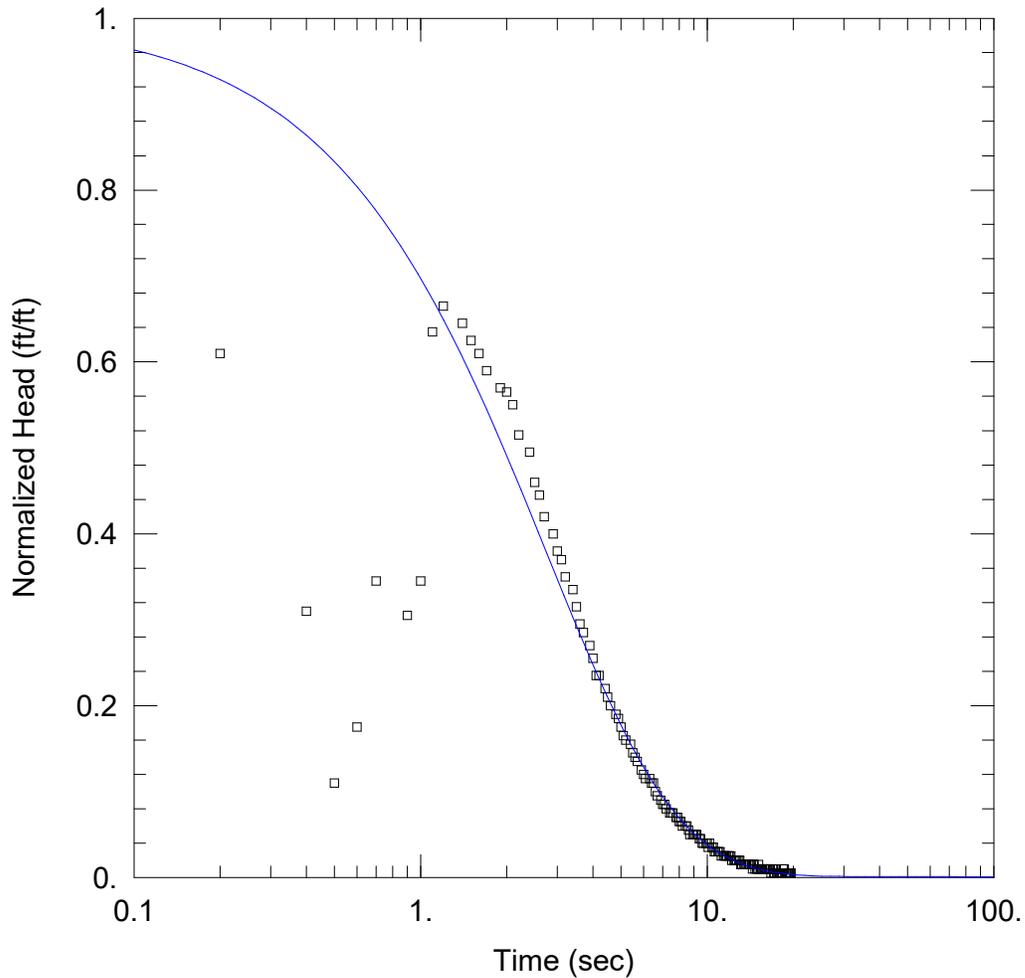
Saturated Thickness: 54. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-328)

Initial Displacement: -2. ft Static Water Column Height: 63. ft
 Total Well Penetration Depth: 10. ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 K = 0.0006837 ft/sec y0 = -2.152 ft



RISING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-328 Slug Out_3 KGS.aqt
 Date: 02/26/21 Time: 13:36:21

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02
 Location: Seattle, WA
 Test Well: MW-328
 Test Date: 12/24/19

AQUIFER DATA

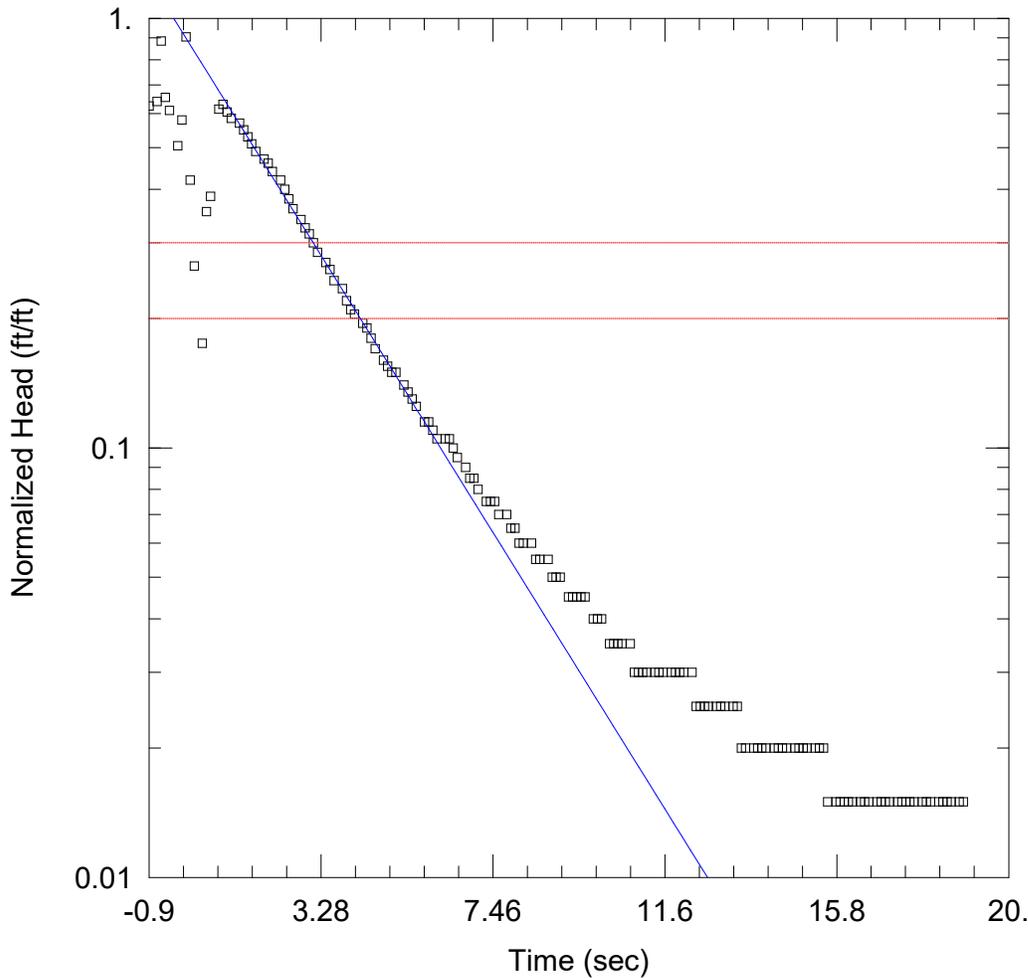
Saturated Thickness: 54. ft

WELL DATA (MW-328)

Initial Displacement: <u>-2. ft</u>	Static Water Column Height: <u>63. ft</u>
Total Well Penetration Depth: <u>10. ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.083 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>0.0007624 ft/sec</u>	Ss = <u>1.852E-12 ft⁻¹</u>
Kz/Kr = <u>1</u>	



RISING 4

Data Set: C:\...\MW-328 Slug Out_4 Bower_rice.aqt

Date: 02/26/21

Time: 13:38:42

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02

Location: Seattle, WA

Test Well: MW-328

Test Date: 12/24/19

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-328)

Initial Displacement: -2. ft

Static Water Column Height: 64.41 ft

Total Well Penetration Depth: 10. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.083 ft

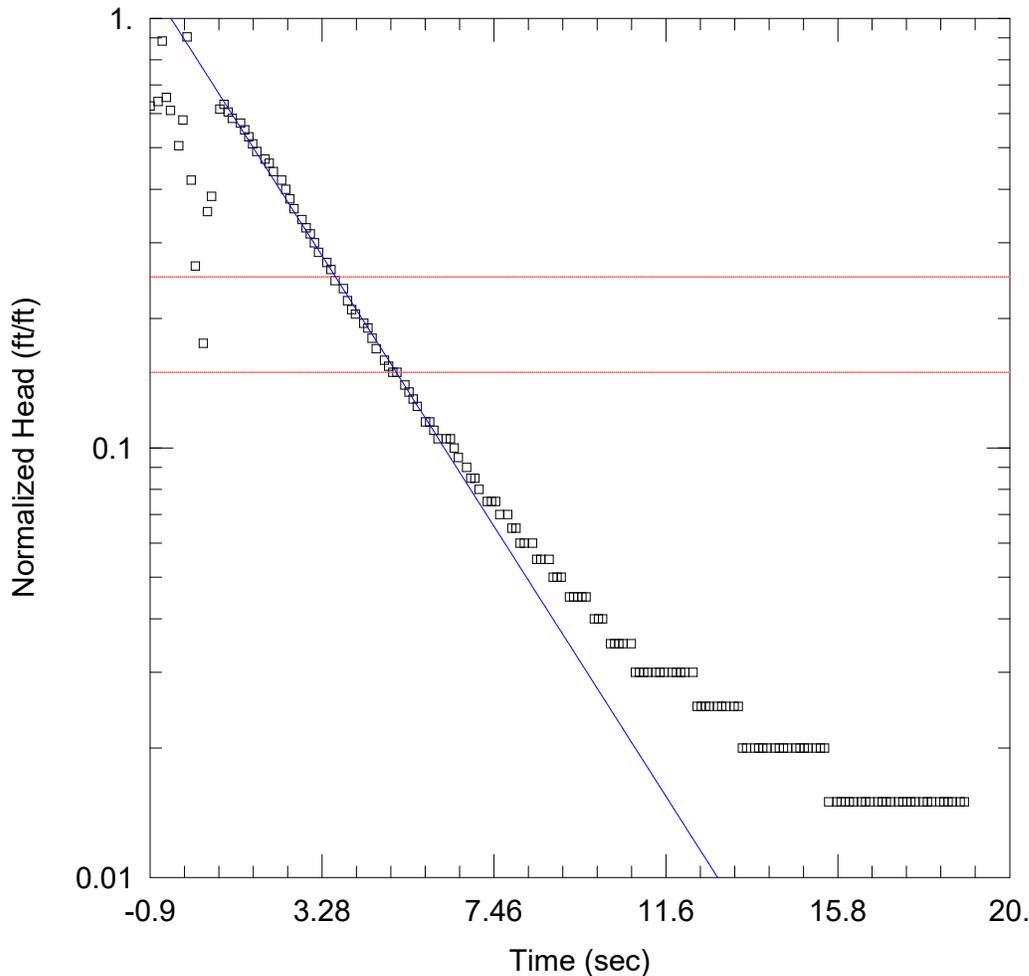
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

K = 0.0003938 ft/sec

y0 = -1.797 ft



RISING 4

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-328 Slug Out_4 Hvorslev.aqt
 Date: 02/26/21 Time: 13:38:22

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02
 Location: Seattle, WA
 Test Well: MW-328
 Test Date: 12/24/19

AQUIFER DATA

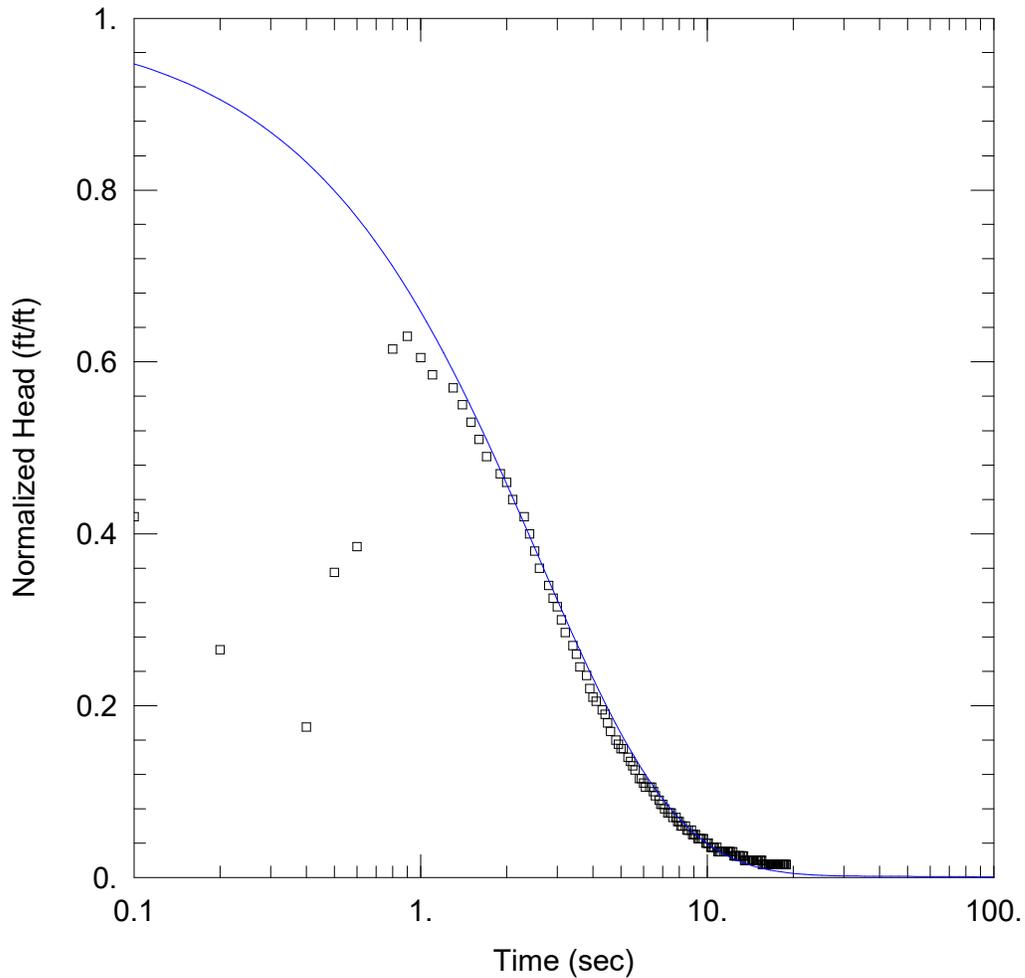
Saturated Thickness: 54. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-328)

Initial Displacement: -2. ft Static Water Column Height: 64.41 ft
 Total Well Penetration Depth: 10. ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 K = 0.0006543 ft/sec y0 = -1.744 ft



RISING 4

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-328 Slug Out_4 KGS.aqt
 Date: 02/26/21 Time: 13:37:58

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02
 Location: Seattle, WA
 Test Well: MW-328
 Test Date: 12/24/19

AQUIFER DATA

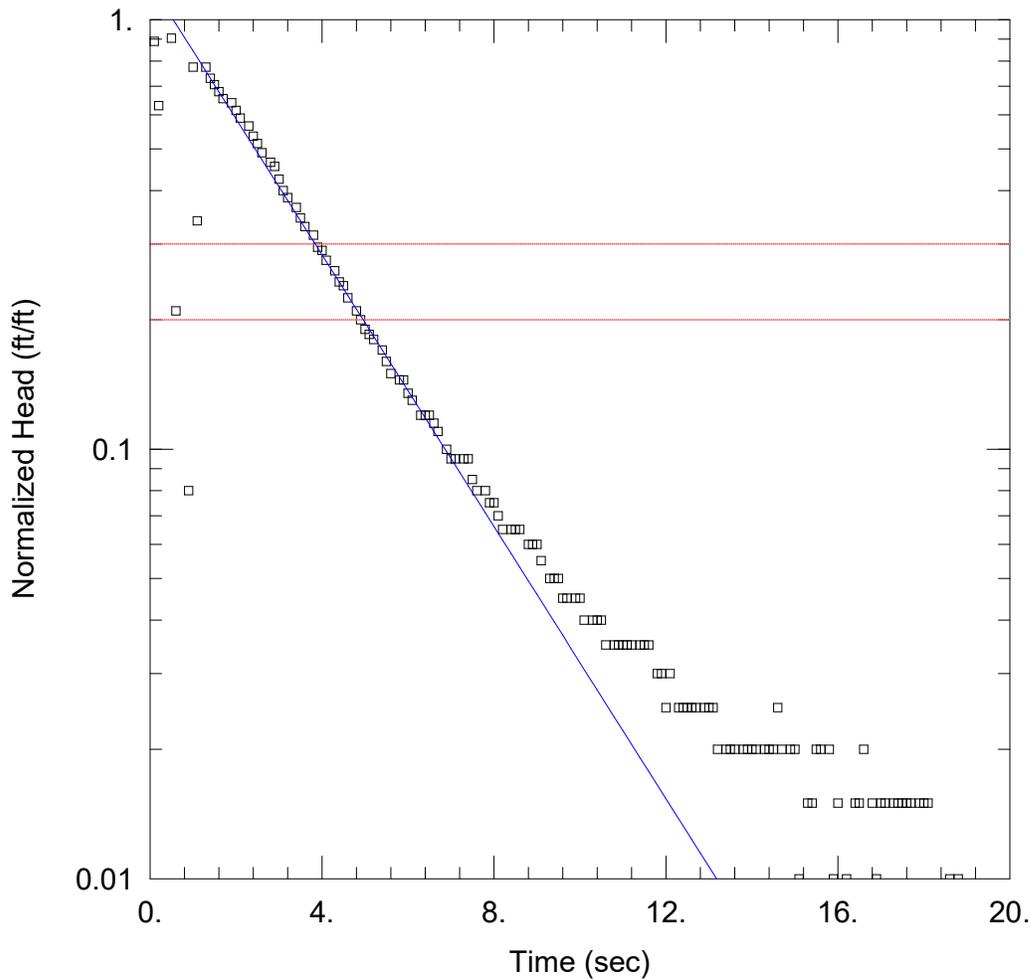
Saturated Thickness: 54. ft

WELL DATA (MW-328)

Initial Displacement: <u>-2. ft</u>	Static Water Column Height: <u>64.41 ft</u>
Total Well Penetration Depth: <u>10. ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.083 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>0.0006153 ft/sec</u>	Ss = <u>1.0E-5 ft⁻¹</u>
Kz/Kr = <u>1</u>	



RISING 5

Data Set: C:\...\MW-328 Slug Out_5 Bower-Rice.aqt

Date: 02/26/21

Time: 13:44:01

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02

Location: Seattle, WA

Test Well: MW-328

Test Date: 12/24/19

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-328)

Initial Displacement: -2. ft

Static Water Column Height: 64.35 ft

Total Well Penetration Depth: 10. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.083 ft

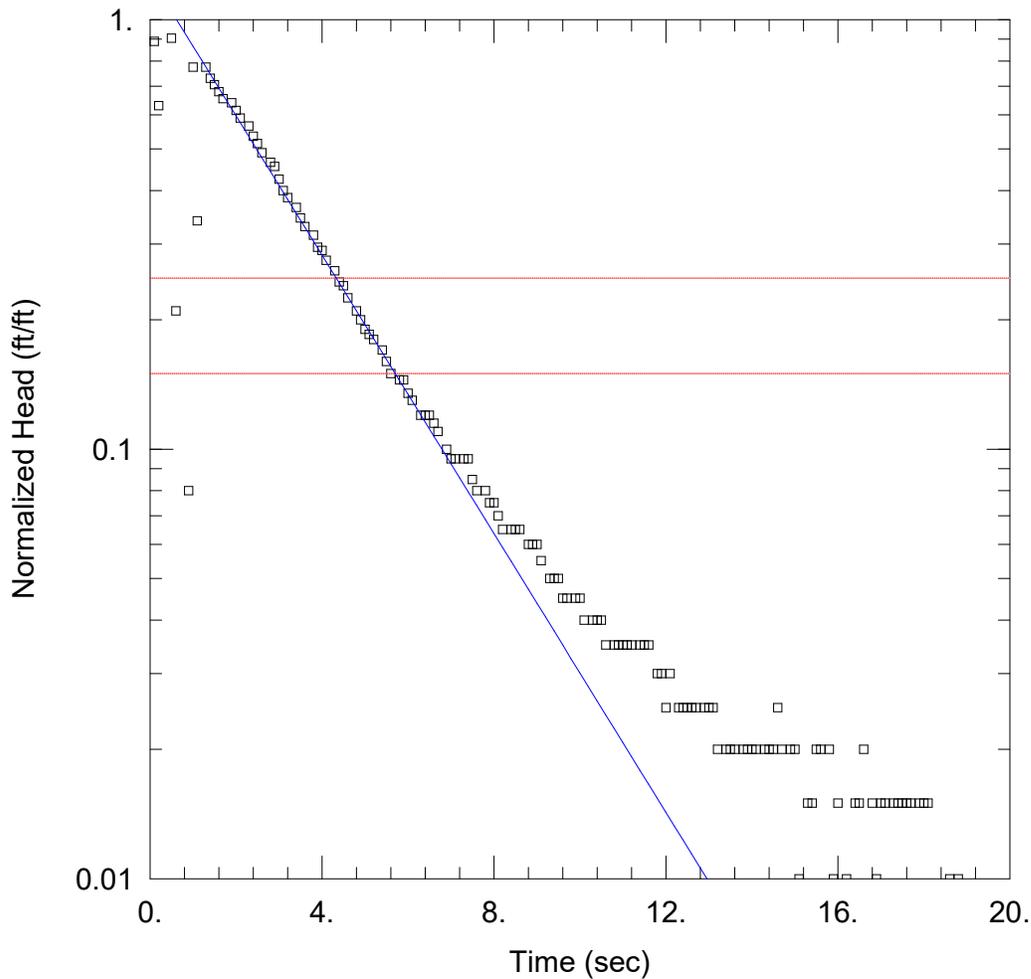
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 0.0004042$ ft/sec

$y_0 = -2.431$ ft



RISING 5

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-328_Slug Out_5 Hvorslev.aqt
 Date: 02/26/21 Time: 13:43:41

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02
 Location: Seattle, WA
 Test Well: MW-328
 Test Date: 12/24/19

AQUIFER DATA

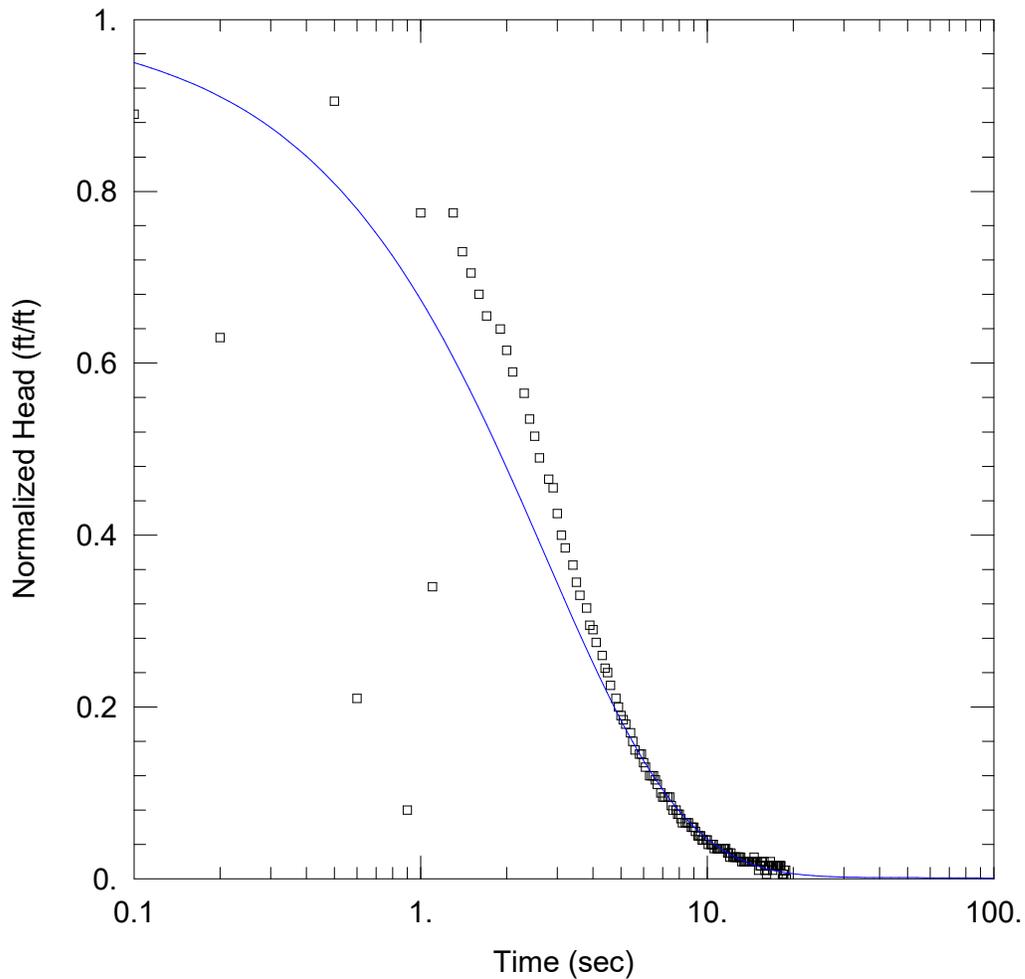
Saturated Thickness: 54. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-328)

Initial Displacement: -2. ft Static Water Column Height: 64.35 ft
 Total Well Penetration Depth: 10. ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 K = 0.0007048 ft/sec y0 = -2.516 ft



RISING 5

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-328_Slug Out_5 KGS.aqt
 Date: 02/26/21 Time: 13:43:20

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02
 Location: Seattle, WA
 Test Well: MW-328
 Test Date: 12/24/19

AQUIFER DATA

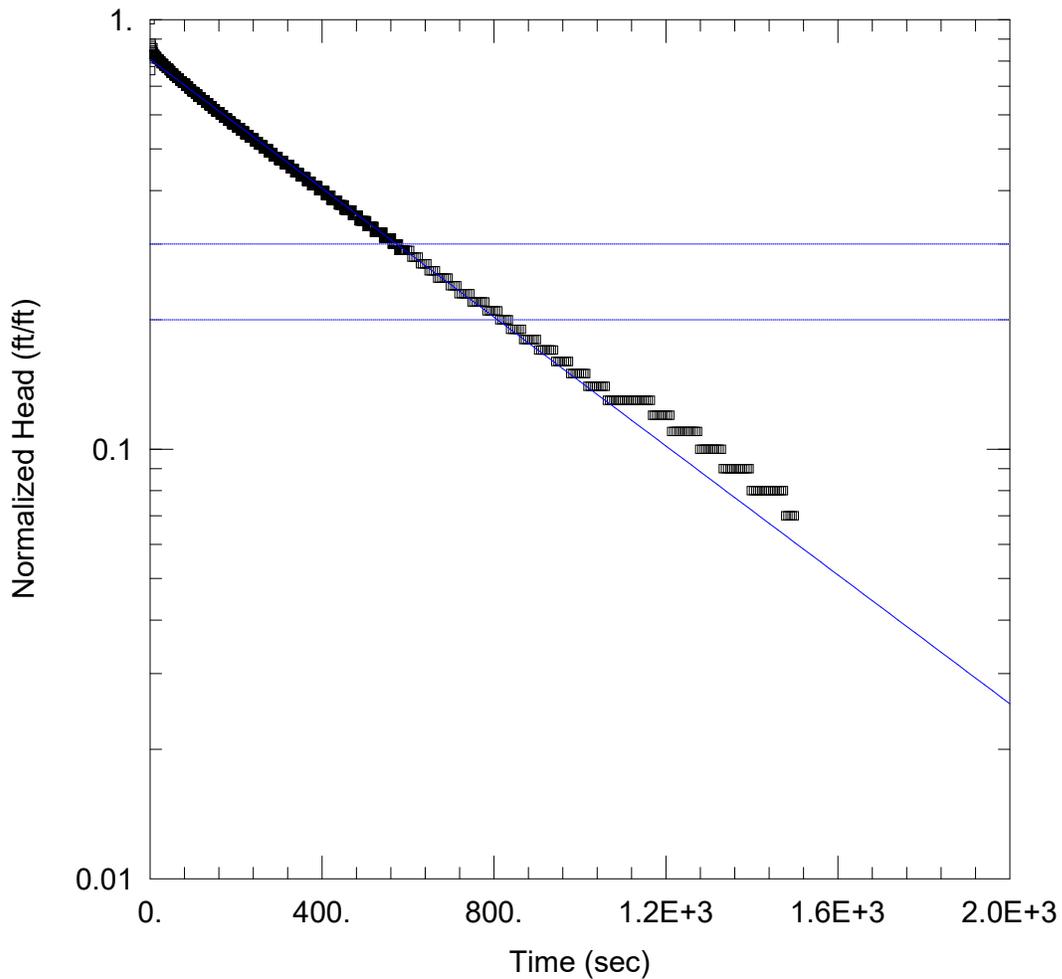
Saturated Thickness: 54. ft

WELL DATA (MW-328)

Initial Displacement: <u>-2. ft</u>	Static Water Column Height: <u>64.35 ft</u>
Total Well Penetration Depth: <u>10. ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.083 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>0.0005778 ft/sec</u>	Ss = <u>1.0E-5 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



MW-333 FALLING 3

Data Set: C:\...\MW-333 Slug in 3 Bower-Rice.aqt

Date: 06/02/20

Time: 11:34:05

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-333

AQUIFER DATA

Saturated Thickness: 35. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-333)

Initial Displacement: 1. ft

Static Water Column Height: 22.95 ft

Total Well Penetration Depth: 31.49 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

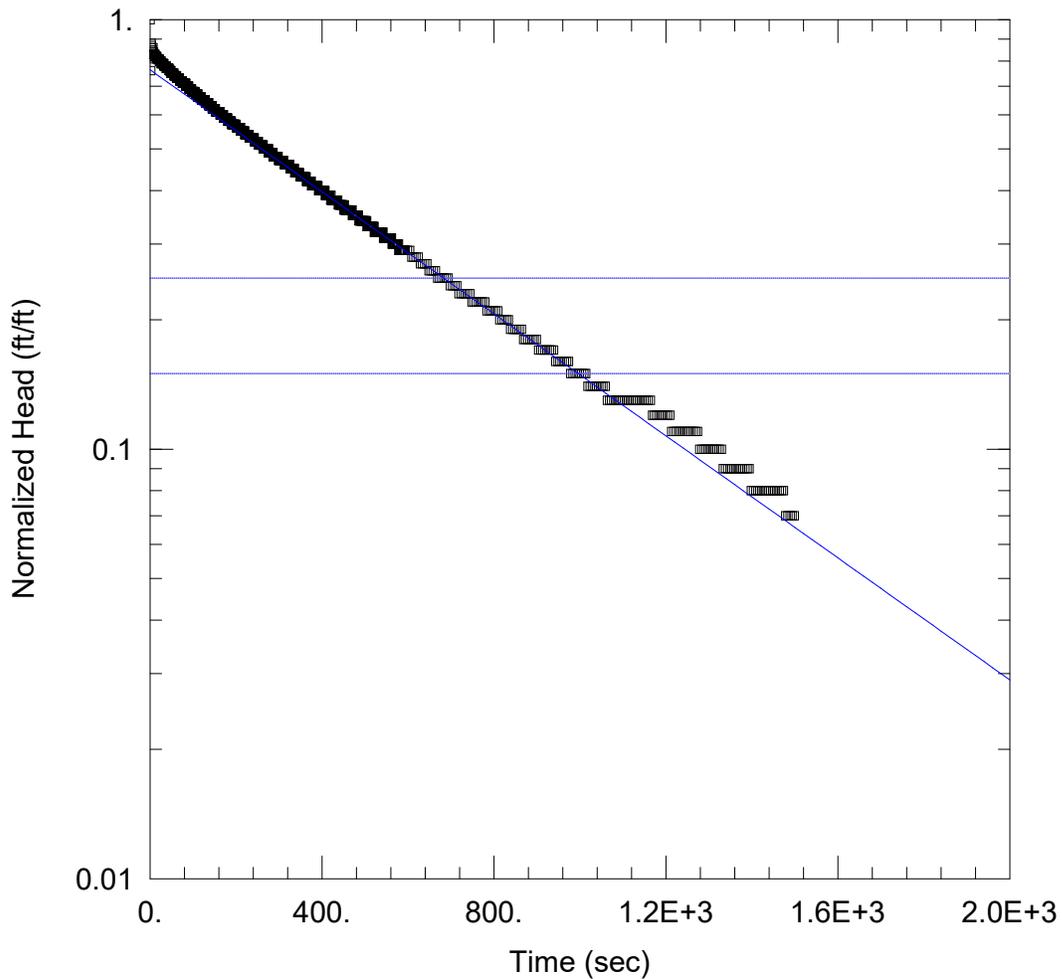
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 1.825E-6$ ft/sec

$y_0 = 0.808$ ft



MW-333 FALLING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-333 Slug in 3 Hvorslev.aqt
 Date: 06/02/20 Time: 11:36:19

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-333

AQUIFER DATA

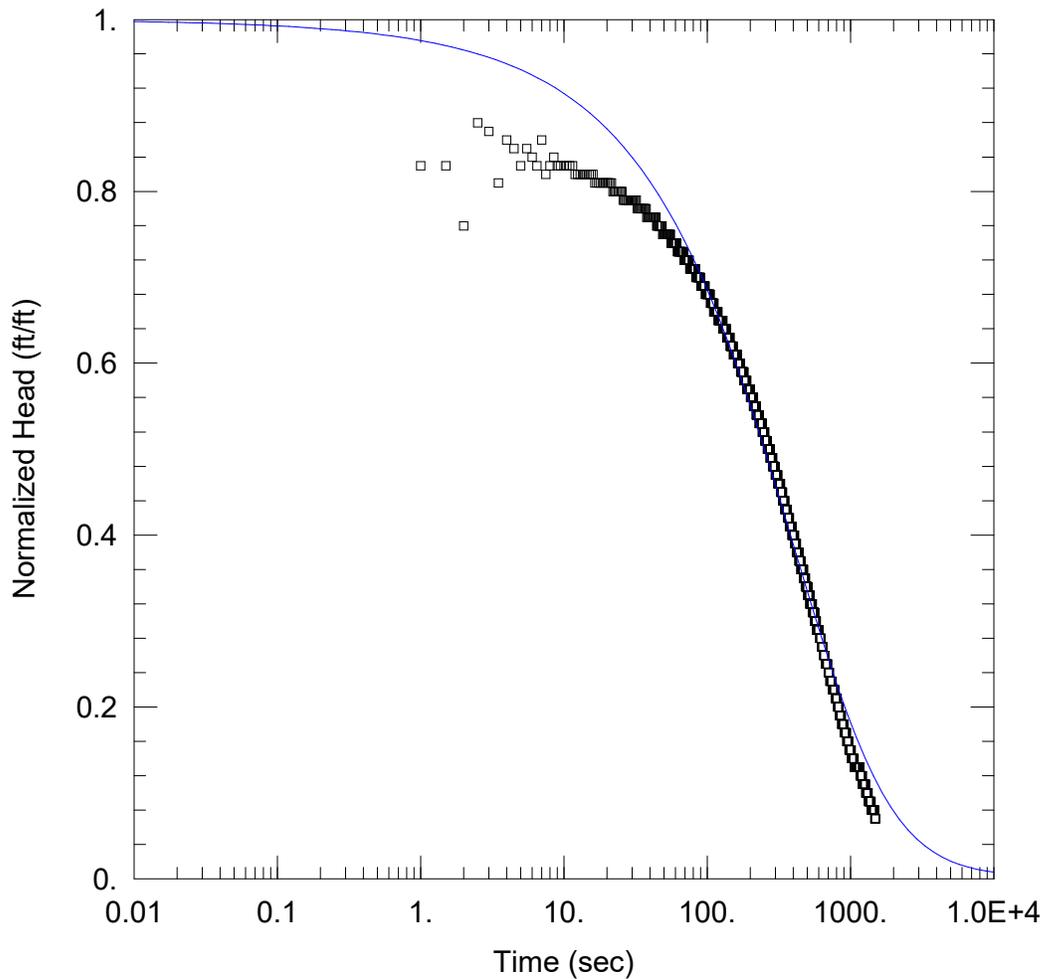
Saturated Thickness: 35. ft Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-333)

Initial Displacement: 1. ft Static Water Column Height: 22.95 ft
 Total Well Penetration Depth: 31.49 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 $K = 2.078E-6$ ft/sec $y_0 = 0.7638$ ft



MW-333 FALLING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-333 Slug in 3 KGS.aqt
 Date: 06/02/20 Time: 11:39:55

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-333

AQUIFER DATA

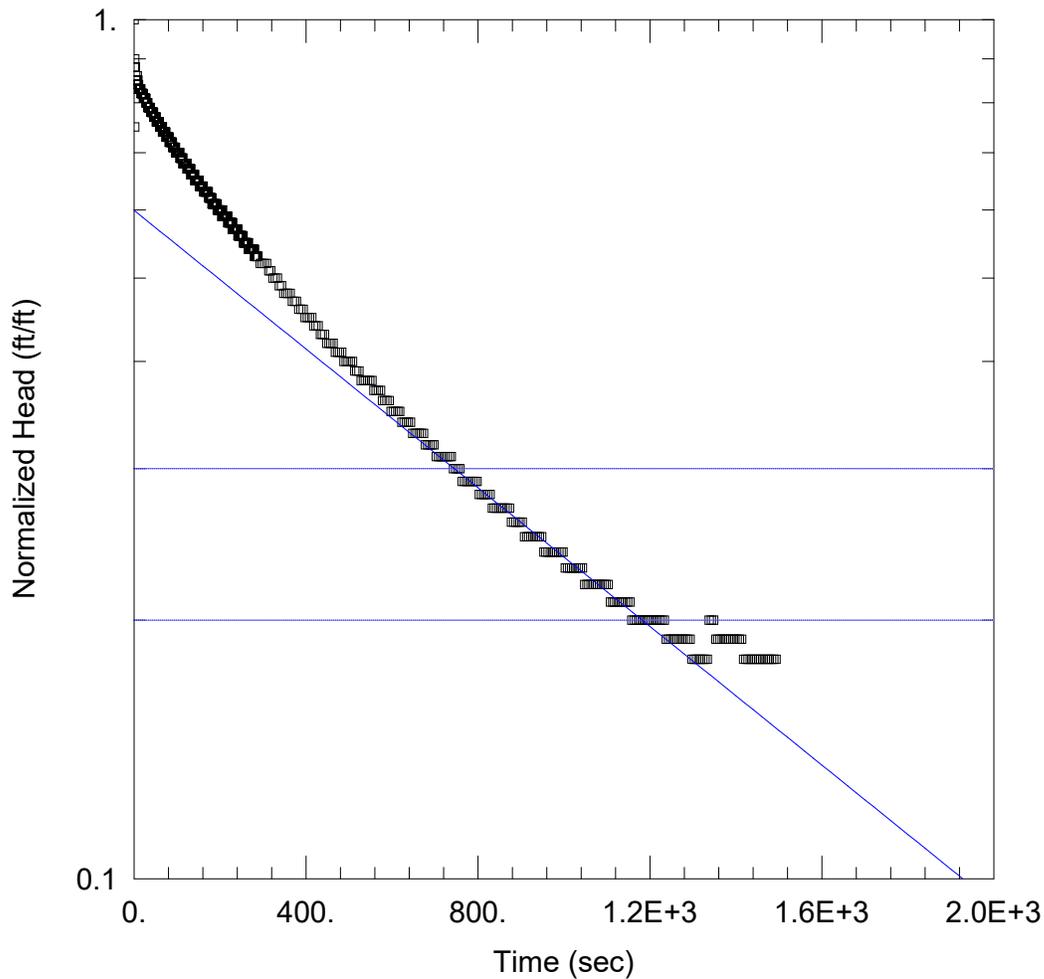
Saturated Thickness: 35. ft

WELL DATA (MW-333)

Initial Displacement: <u>1. ft</u>	Static Water Column Height: <u>22.95 ft</u>
Total Well Penetration Depth: <u>31.49 ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.25 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>1.444E-6 ft/sec</u>	Ss = <u>0.0005331 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



MW-333 FALLING 4

Data Set: C:\...\MW-333 Slug in 4 Bower-Rice.aqt

Date: 06/02/20

Time: 11:44:58

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-333

AQUIFER DATA

Saturated Thickness: 35. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-333)

Initial Displacement: 1. ft

Static Water Column Height: 22.95 ft

Total Well Penetration Depth: 31.49 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

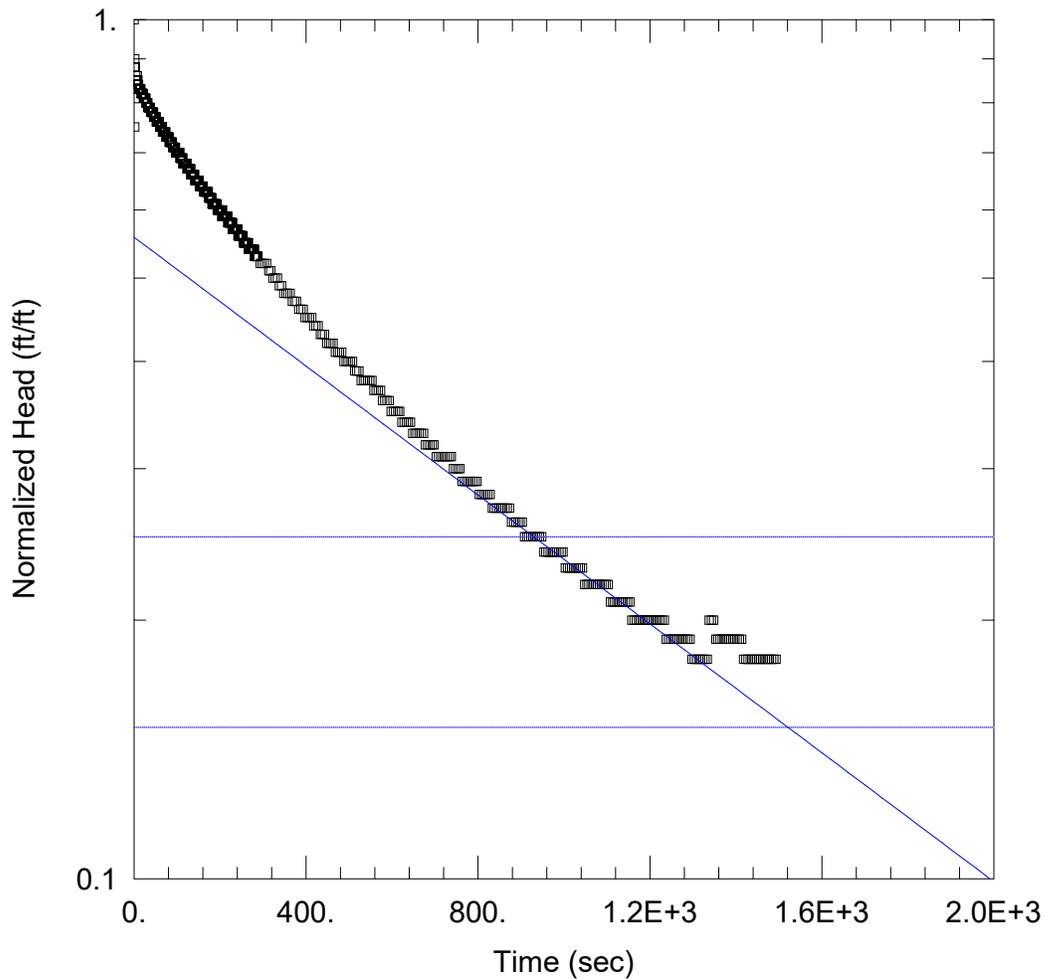
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 9.818E-7$ ft/sec

$y_0 = 0.5996$ ft



MW-333 FALLING 4

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-333 Slug in_4 Hvorslev.aqt
 Date: 06/02/20 Time: 11:46:07

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-333

AQUIFER DATA

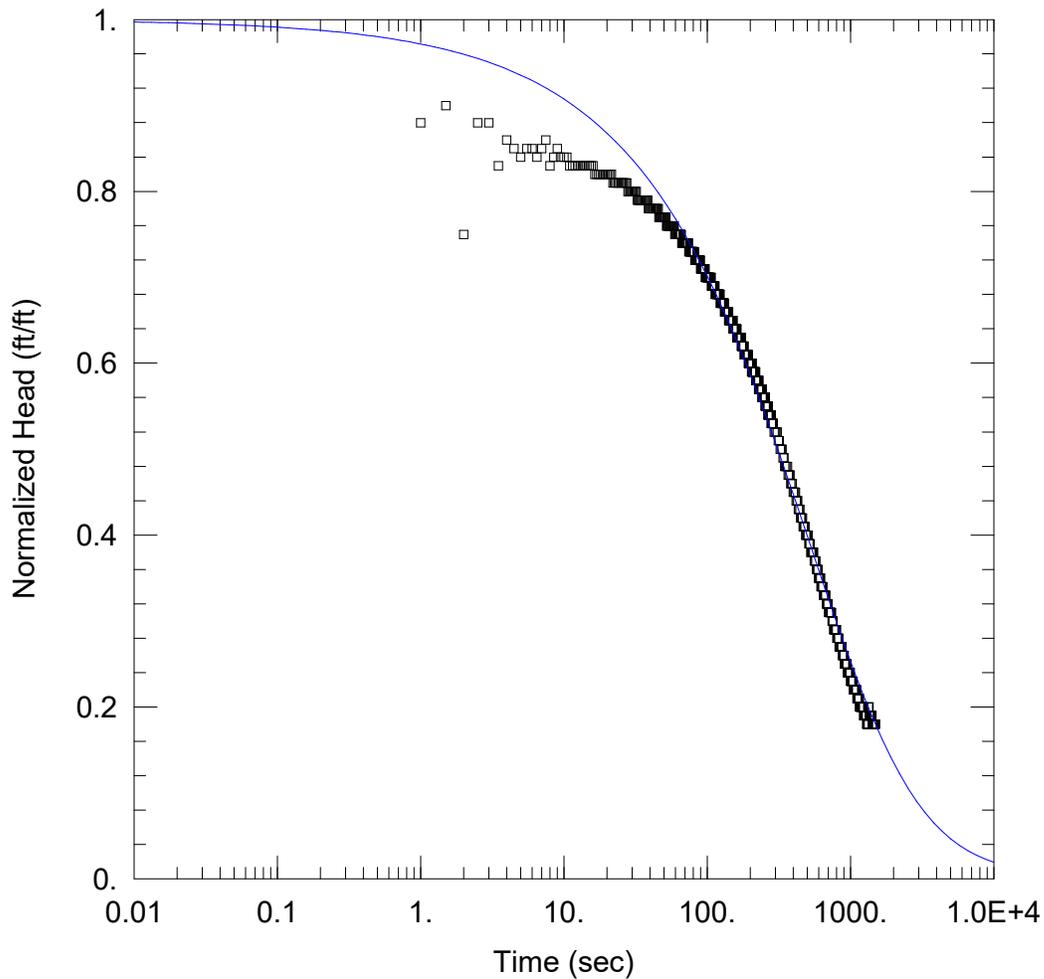
Saturated Thickness: 35. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-333)

Initial Displacement: 1. ft Static Water Column Height: 22.95 ft
 Total Well Penetration Depth: 31.49 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 K = 1.098E-6 ft/sec y_0 = 0.558 ft



MW-333 FALLING 4

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-333 Slug in 4 KGS.aqt
 Date: 06/02/20 Time: 11:48:00

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-333

AQUIFER DATA

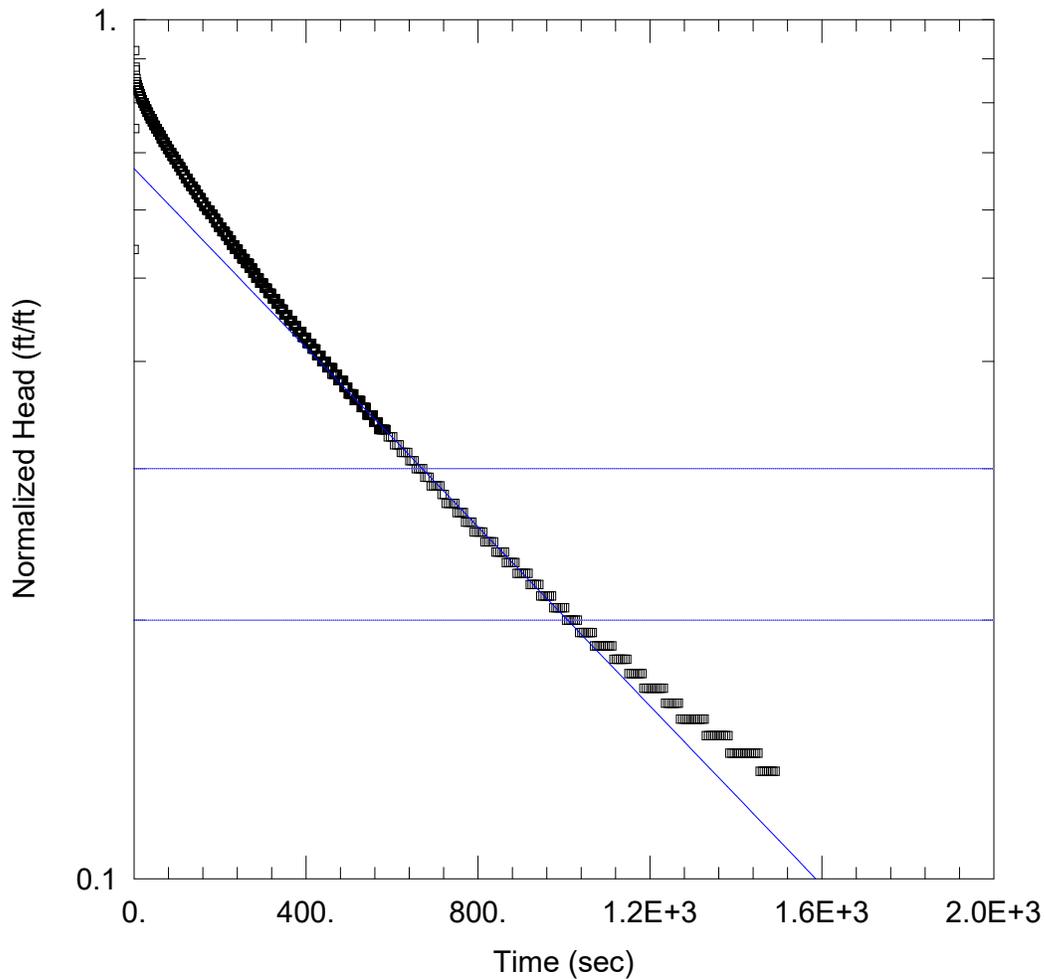
Saturated Thickness: 35. ft

WELL DATA (MW-333)

Initial Displacement: <u>1. ft</u>	Static Water Column Height: <u>22.95 ft</u>
Total Well Penetration Depth: <u>31.49 ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.25 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>8.072E-7 ft/sec</u>	Ss = <u>0.00142 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



MW-333 RISING 2

Data Set: C:\...\MW-333 Slug out 2 Bower-Rice.aqt

Date: 06/02/20

Time: 11:29:21

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-333

AQUIFER DATA

Saturated Thickness: 35. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-333)

Initial Displacement: -1.5 ft

Static Water Column Height: 22.95 ft

Total Well Penetration Depth: 31.49 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

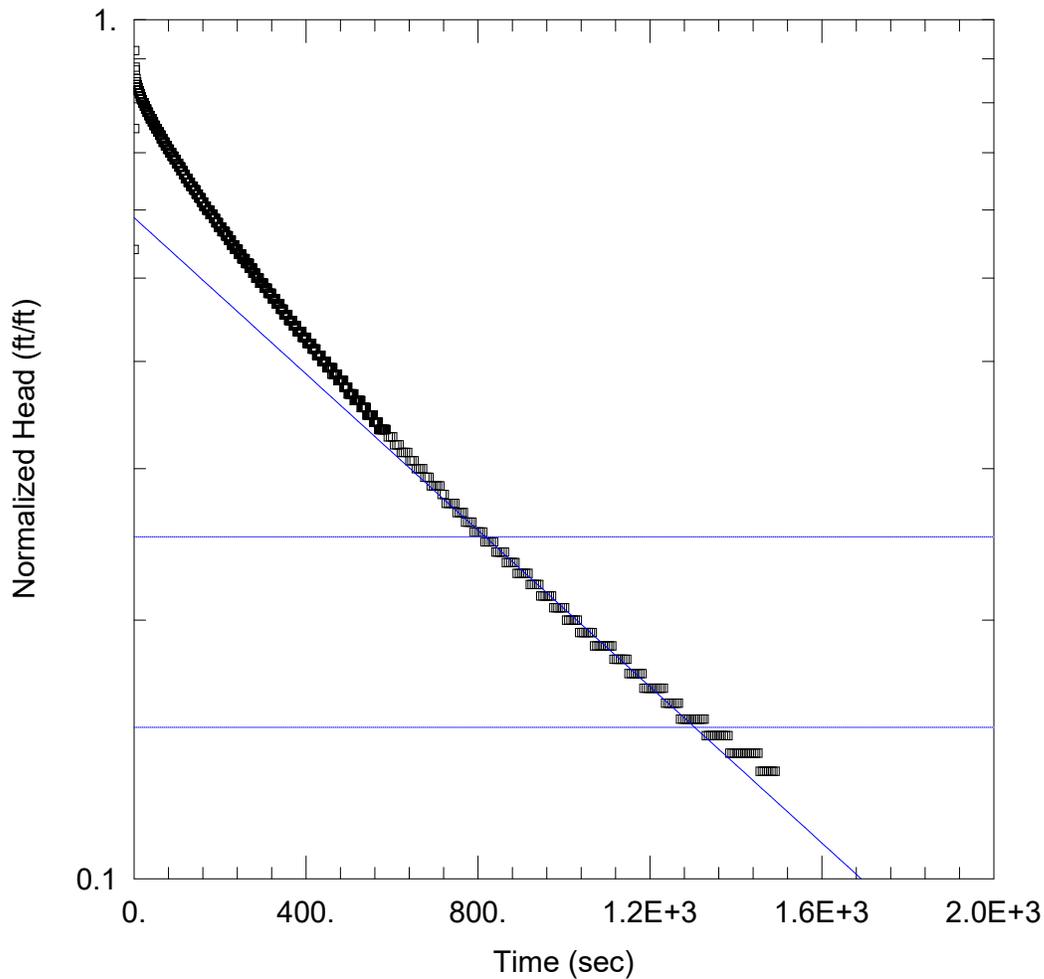
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 1.268E-6$ ft/sec

$y_0 = -1.006$ ft



MW-333 RISING 2

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-333 Slug out 2 Hvorslev.aqt
 Date: 06/02/20 Time: 11:29:57

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-333

AQUIFER DATA

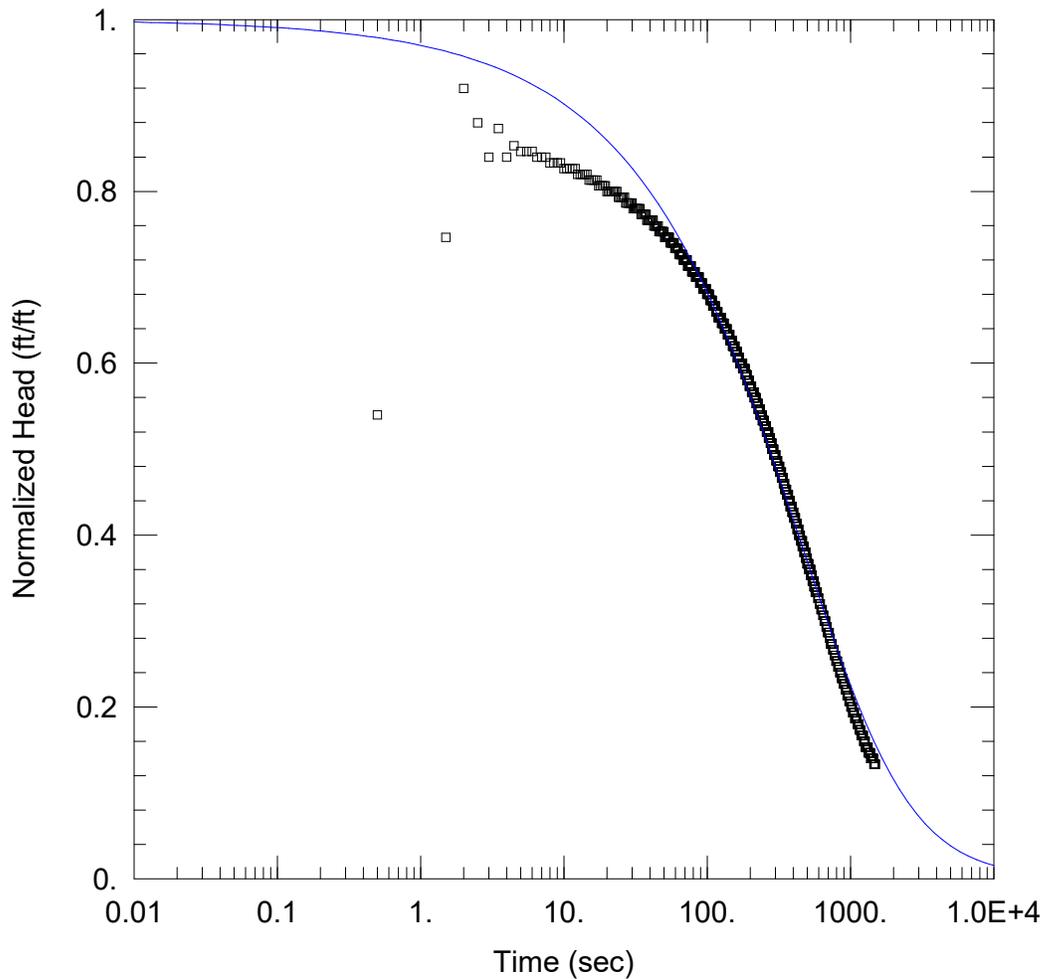
Saturated Thickness: 35. ft Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-333)

Initial Displacement: -1.5 ft Static Water Column Height: 22.95 ft
 Total Well Penetration Depth: 31.49 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 $K = 1.331E-6$ ft/sec $y_0 = -0.8821$ ft



MW-333 RISING 2

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-333 Slug out 2 KGS.aqt
 Date: 06/02/20 Time: 11:32:39

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-333

AQUIFER DATA

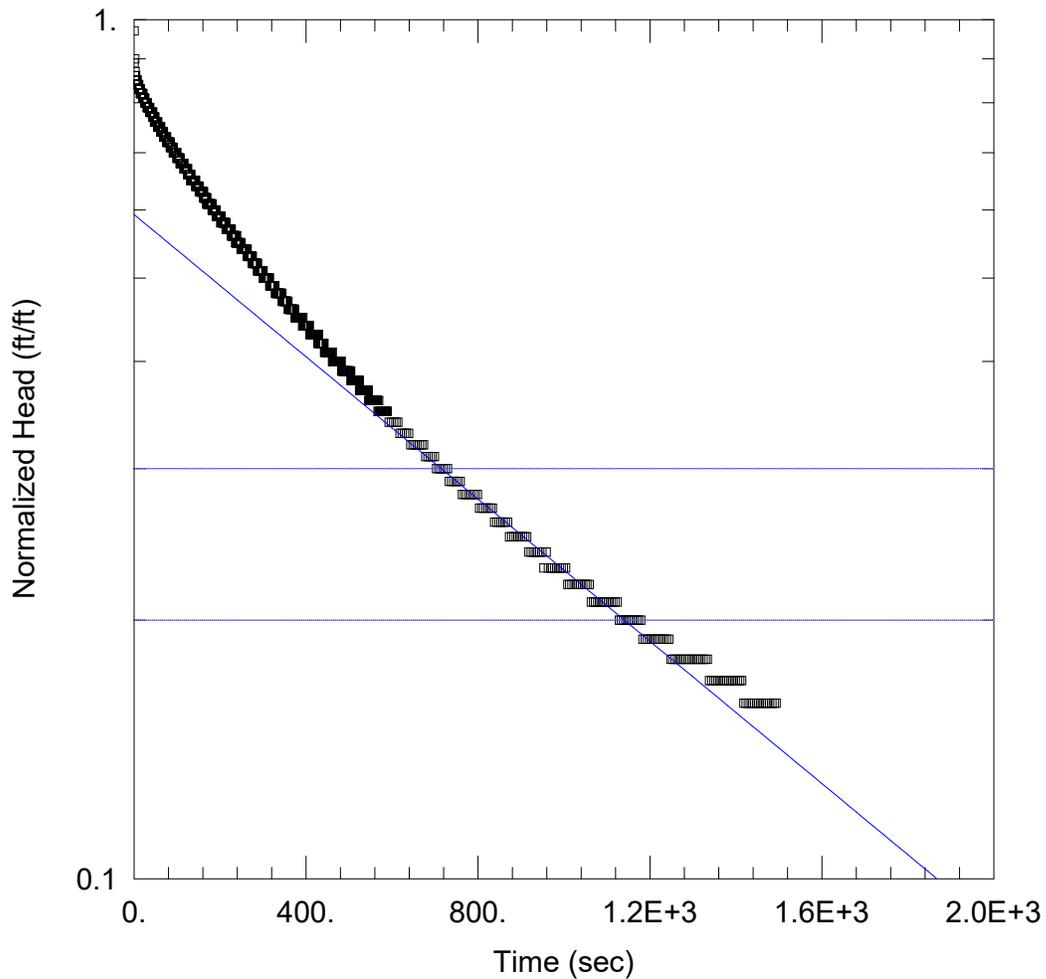
Saturated Thickness: 35. ft

WELL DATA (MW-333)

Initial Displacement: <u>-1.5 ft</u>	Static Water Column Height: <u>22.95 ft</u>
Total Well Penetration Depth: <u>31.49 ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.25 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>9.455E-7 ft/sec</u>	Ss = <u>0.001345 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



MW-333 RISING 3

Data Set: C:\...\MW-333 Slug out 3 Bower-Rice.aqt

Date: 06/02/20

Time: 11:40:42

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-333

AQUIFER DATA

Saturated Thickness: 35. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-333)

Initial Displacement: -1. ft

Static Water Column Height: 22.95 ft

Total Well Penetration Depth: 31.49 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

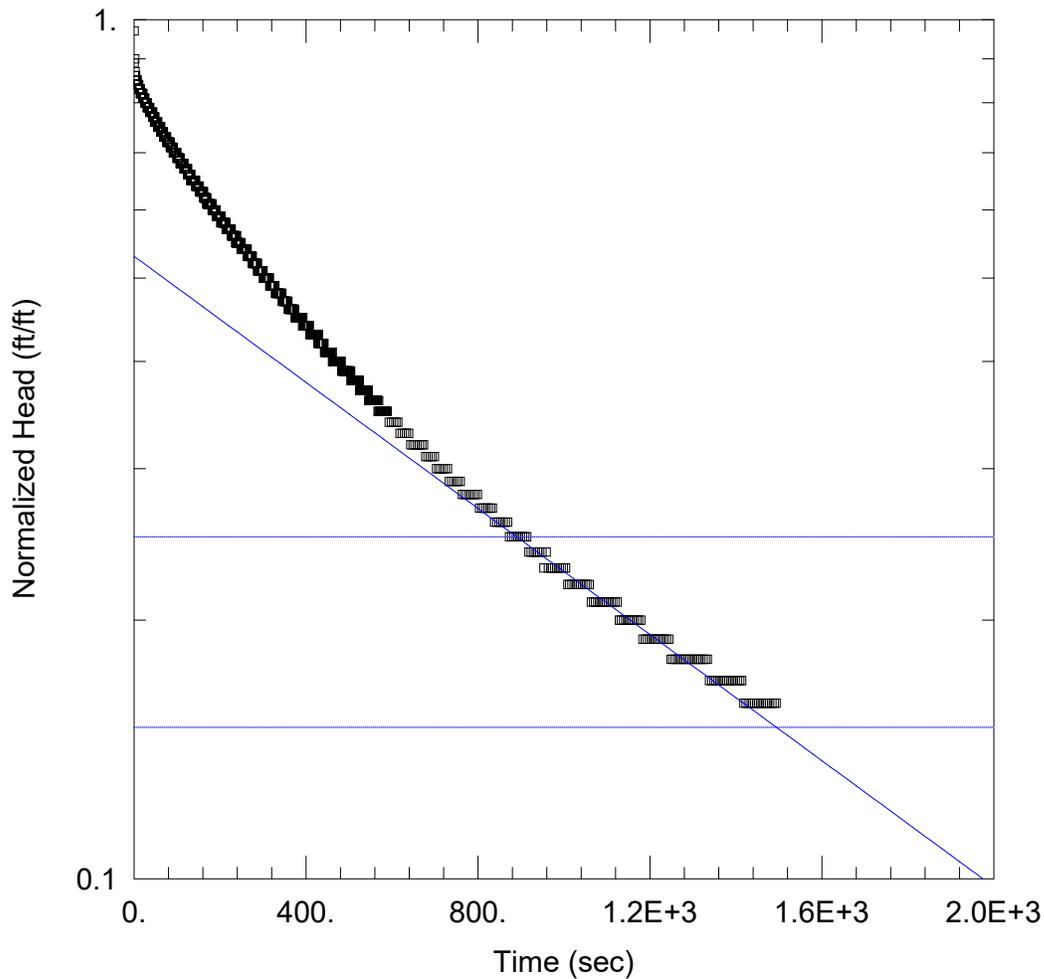
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 1.007E-6$ ft/sec

$y_0 = -0.593$ ft



MW-333 RISING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-333 Slug out_3 Hvorslev.aqt

Date: 06/02/20

Time: 11:41:15

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-333

AQUIFER DATA

Saturated Thickness: 35. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-333)

Initial Displacement: -1. ft

Static Water Column Height: 22.95 ft

Total Well Penetration Depth: 31.49 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

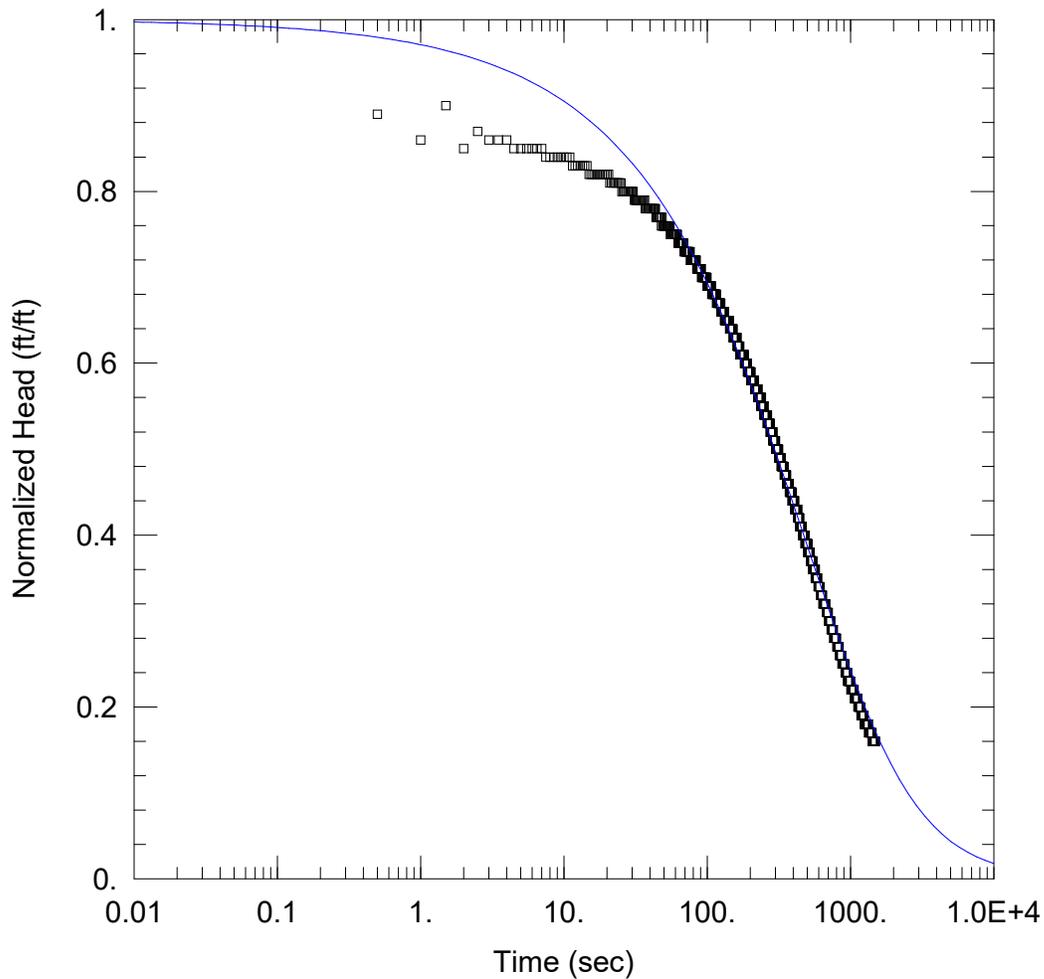
SOLUTION

Aquifer Model: Confined

Solution Method: Hvorslev

$K = 1.074E-6$ ft/sec

$y_0 = -0.5302$ ft



MW-333 RISING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-333 Slug out_3 KGS.aqt
 Date: 06/02/20 Time: 11:43:01

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-333

AQUIFER DATA

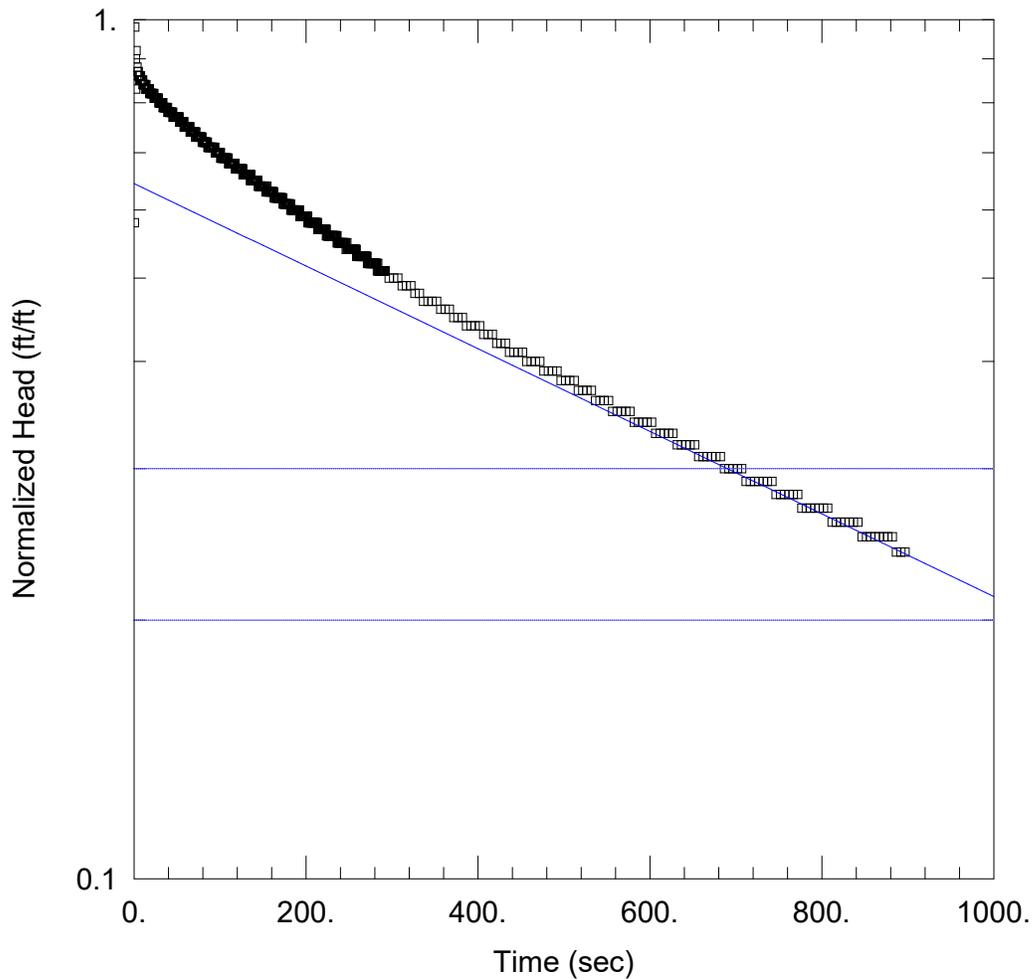
Saturated Thickness: 35. ft

WELL DATA (MW-333)

Initial Displacement: <u>-1. ft</u>	Static Water Column Height: <u>22.95 ft</u>
Total Well Penetration Depth: <u>31.49 ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.25 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>8.508E-7 ft/sec</u>	Ss = <u>0.001422 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



MW-333 RISING 4

Data Set: C:\...\MW-333 Slug out 4 Bower-Rice.aqt

Date: 06/02/20

Time: 11:49:29

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-333

AQUIFER DATA

Saturated Thickness: 35. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-333)

Initial Displacement: -1. ft

Static Water Column Height: 22.95 ft

Total Well Penetration Depth: 31.49 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

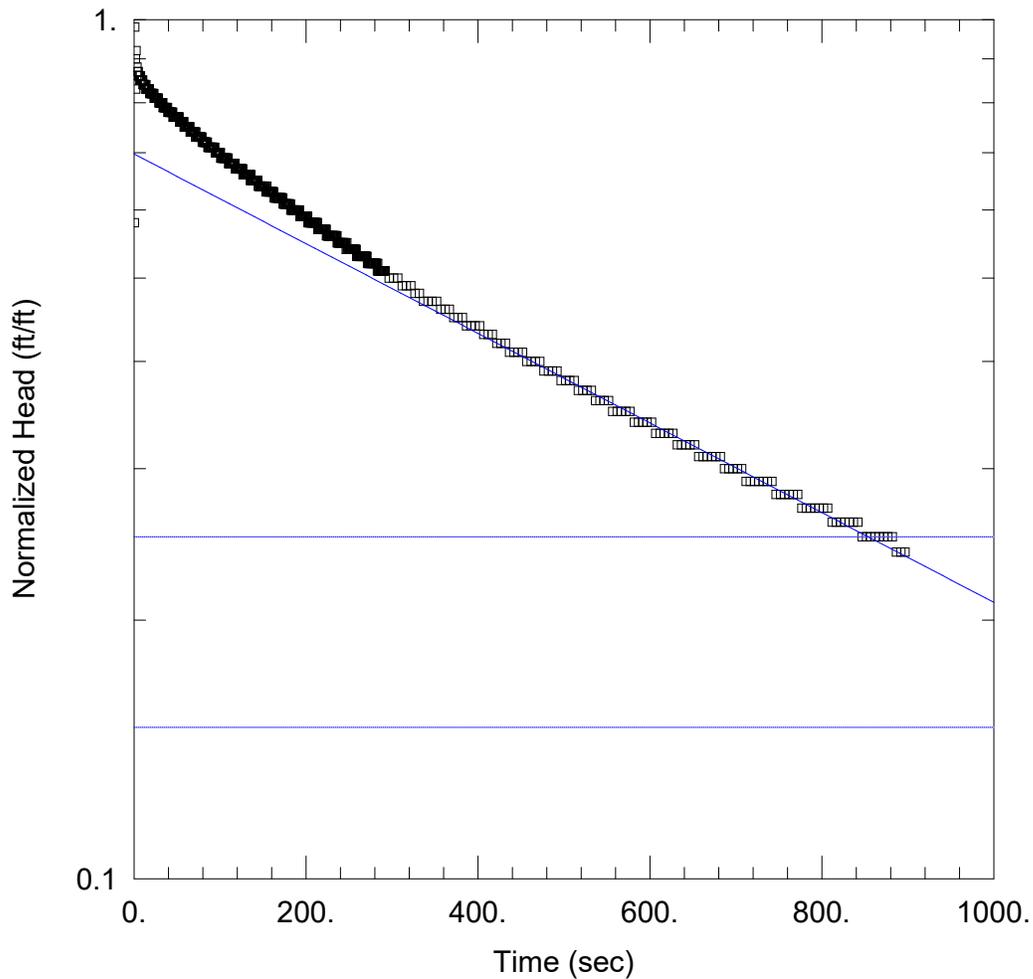
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 1.17E-6$ ft/sec

$y_0 = -0.6444$ ft



MW-333 RISING 4

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-333 Slug out_4 Hvorslev.aqt
 Date: 06/02/20 Time: 11:51:38

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-333

AQUIFER DATA

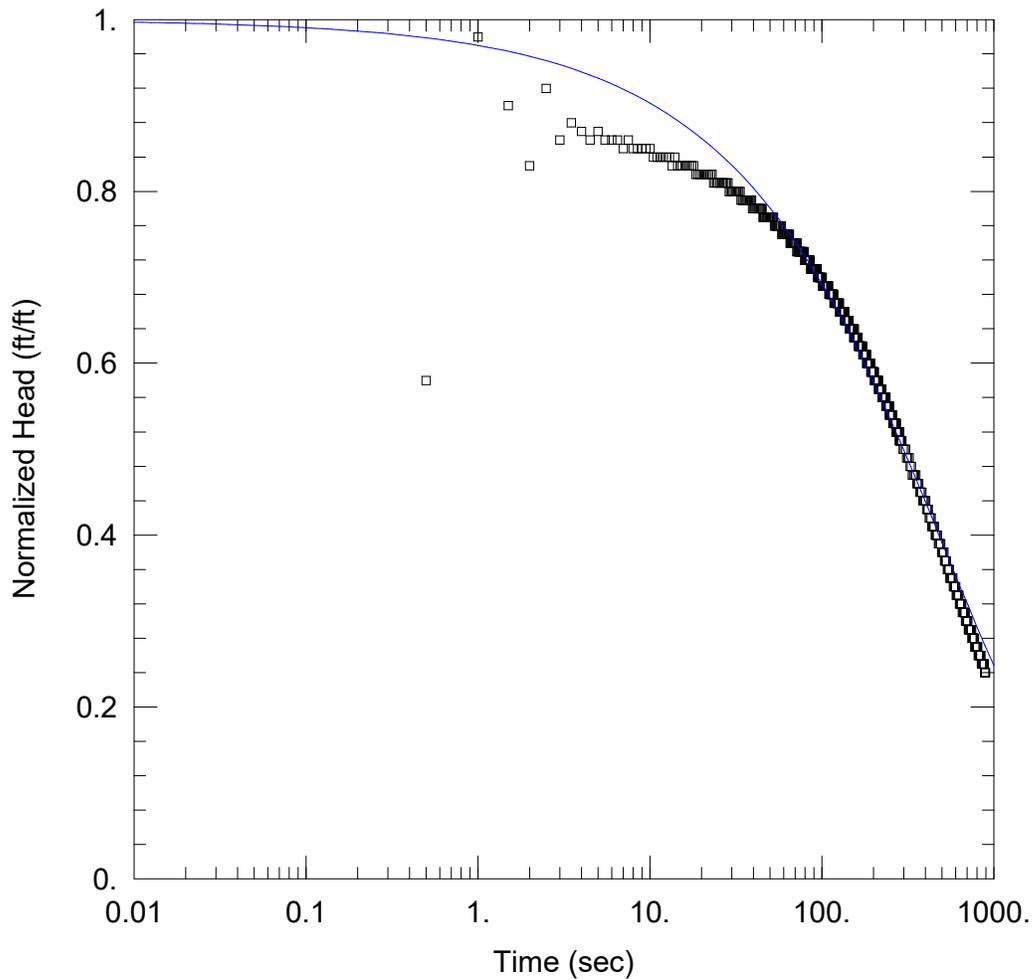
Saturated Thickness: 35. ft Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-333)

Initial Displacement: -1. ft Static Water Column Height: 22.95 ft
 Total Well Penetration Depth: 31.49 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 $K = 1.527E-6$ ft/sec $y_0 = -0.6974$ ft



MW-333 RISING 4

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-333 Slug out_4 KGS.aqt
 Date: 06/02/20 Time: 11:53:42

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-333

AQUIFER DATA

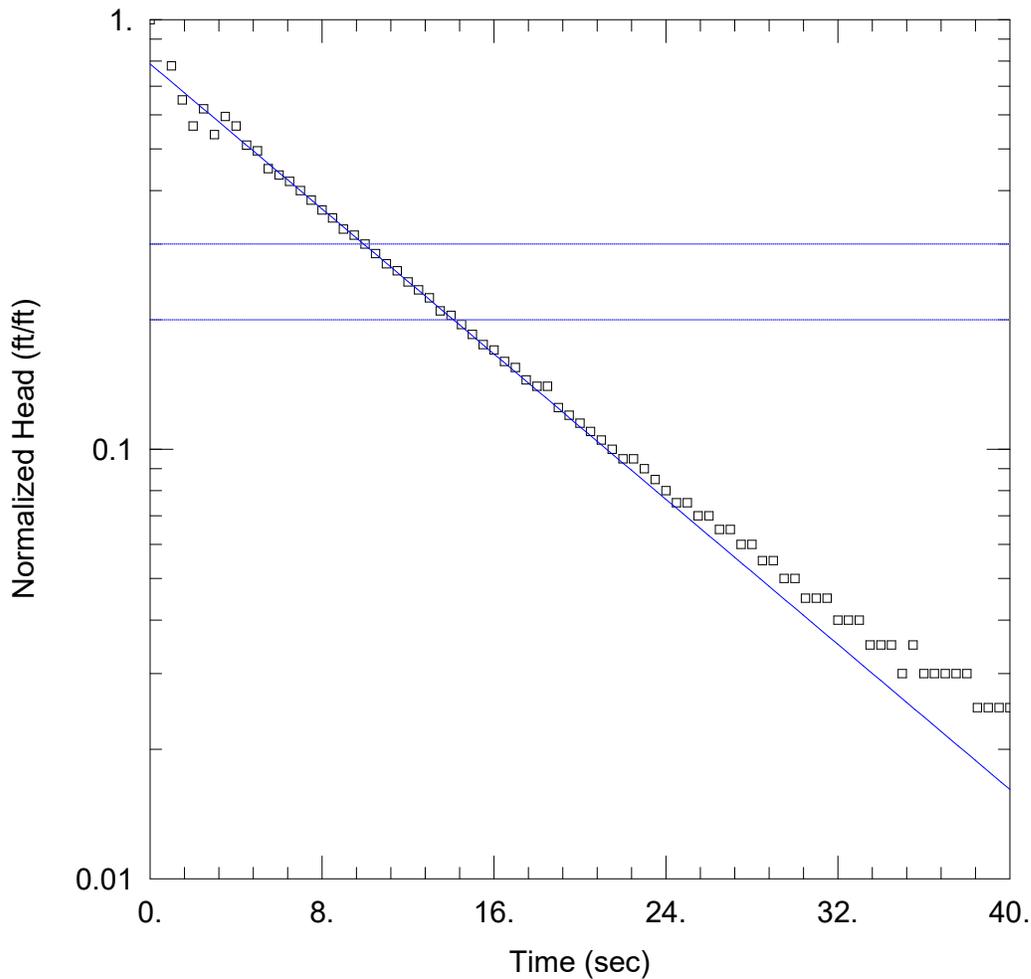
Saturated Thickness: 35. ft

WELL DATA (MW-333)

Initial Displacement: -1. ft Static Water Column Height: 22.95 ft
 Total Well Penetration Depth: 31.49 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Confined Solution Method: KGS Model
 $K_r = 7.871E-7$ ft/sec $S_s = 0.001651$ ft⁻¹
 $K_z/K_r = 1.$



MW-335 FALLING 1

Data Set: C:\...\MW-335 Slug in 1 Bower-Rice.aqt

Date: 06/02/20

Time: 12:41:22

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-335

AQUIFER DATA

Saturated Thickness: 30. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-335)

Initial Displacement: 2. ft

Static Water Column Height: 40.55 ft

Total Well Penetration Depth: 24.09 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

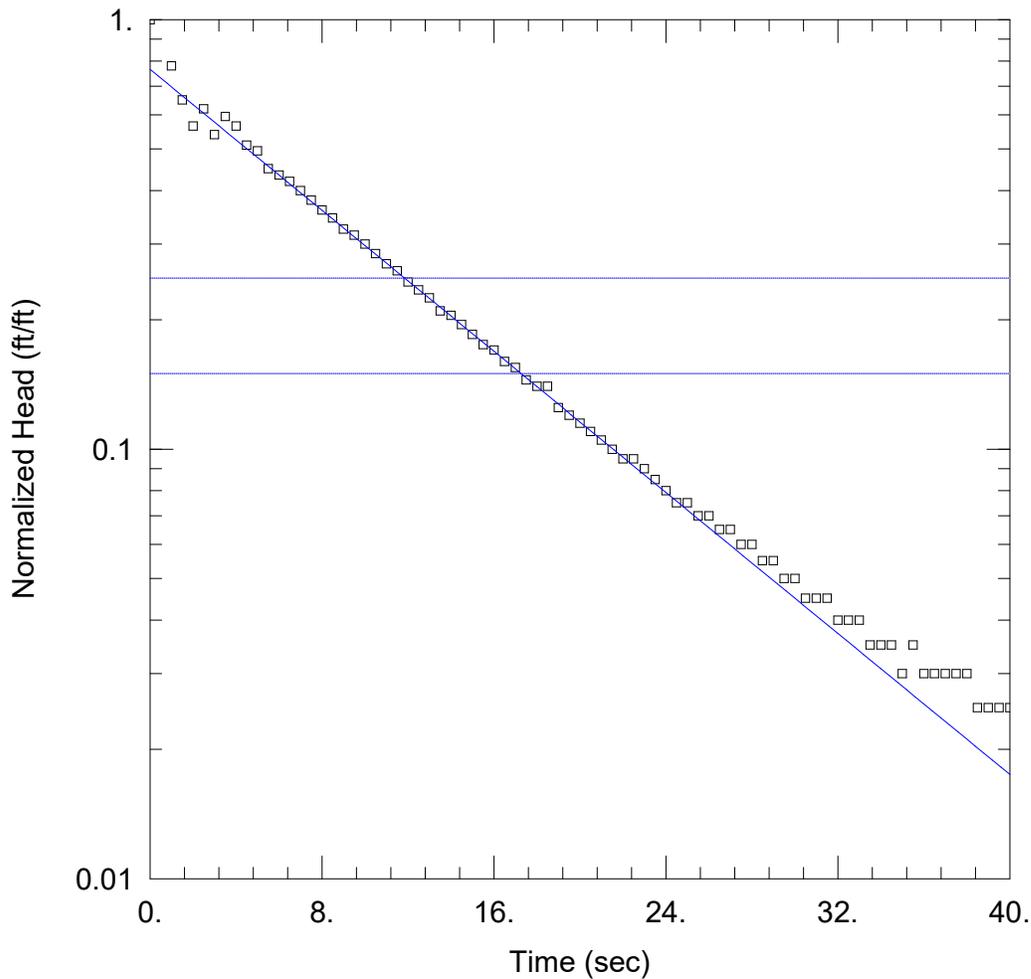
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 9.699E-5$ ft/sec

$y_0 = 1.577$ ft



MW-335 FALLING 1

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-335 Slug in 1 Hvorslev.aqt
 Date: 06/02/20 Time: 12:42:05

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-335

AQUIFER DATA

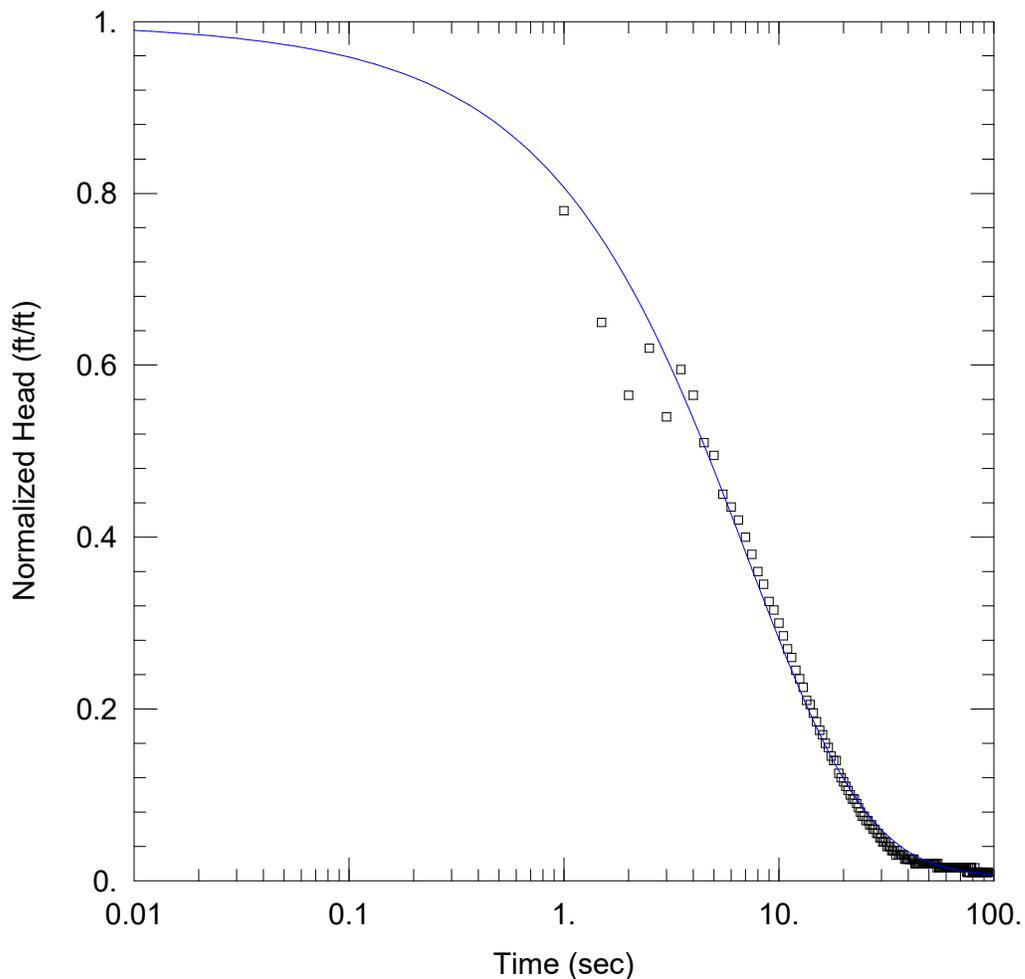
Saturated Thickness: 30. ft Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-335)

Initial Displacement: 2. ft Static Water Column Height: 40.55 ft
 Total Well Penetration Depth: 24.09 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 $K = 0.00012$ ft/sec $y_0 = 1.531$ ft



MW-335 FALLING 1

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-335 Slug in_1 KGS.aqt
 Date: 06/02/20 Time: 12:43:17

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-335

AQUIFER DATA

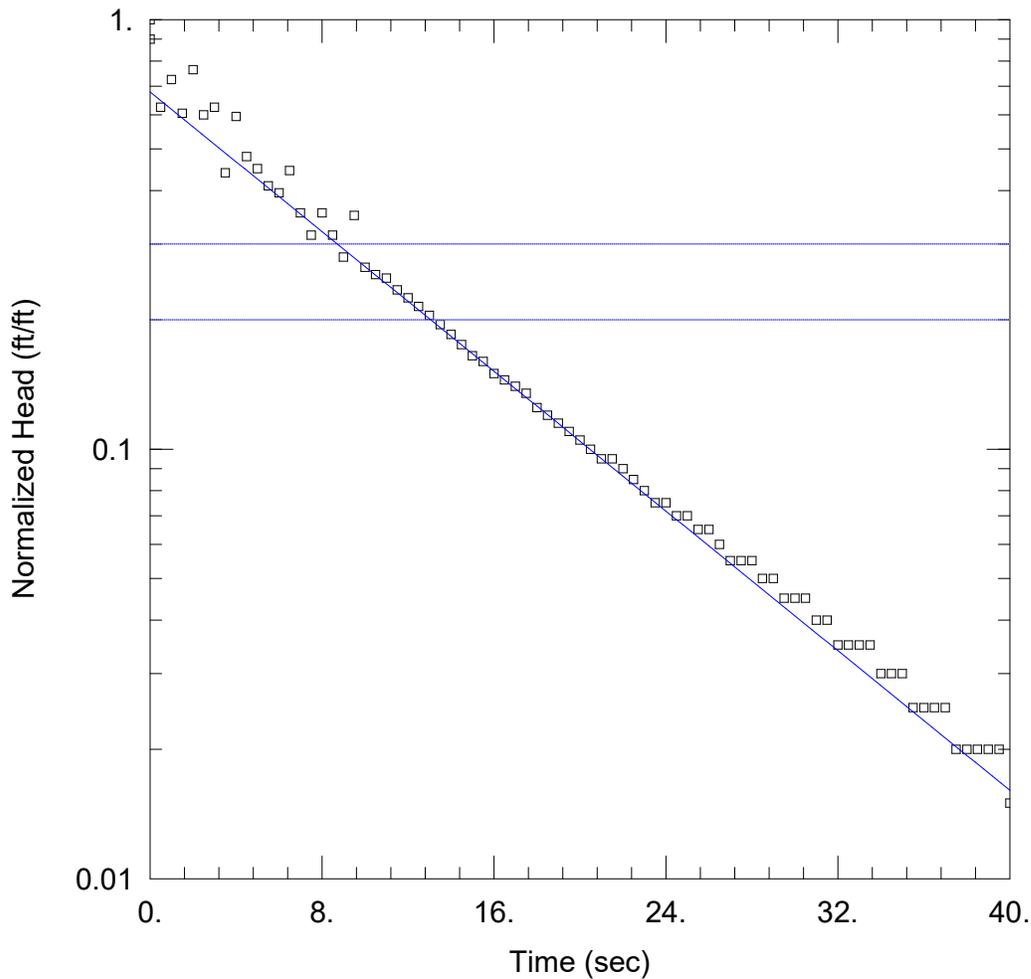
Saturated Thickness: 30. ft

WELL DATA (MW-335)

Initial Displacement: <u>2. ft</u>	Static Water Column Height: <u>40.55 ft</u>
Total Well Penetration Depth: <u>24.09 ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.25 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>0.0001203 ft/sec</u>	Ss = <u>9.163E-5 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



MW-335 FALLING 2

Data Set: C:\...\MW-335 Slug in 2 Bower-Rice.aqt

Date: 06/02/20

Time: 12:50:44

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-335

AQUIFER DATA

Saturated Thickness: 30. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-335)

Initial Displacement: 2. ft

Static Water Column Height: 40.55 ft

Total Well Penetration Depth: 24.09 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

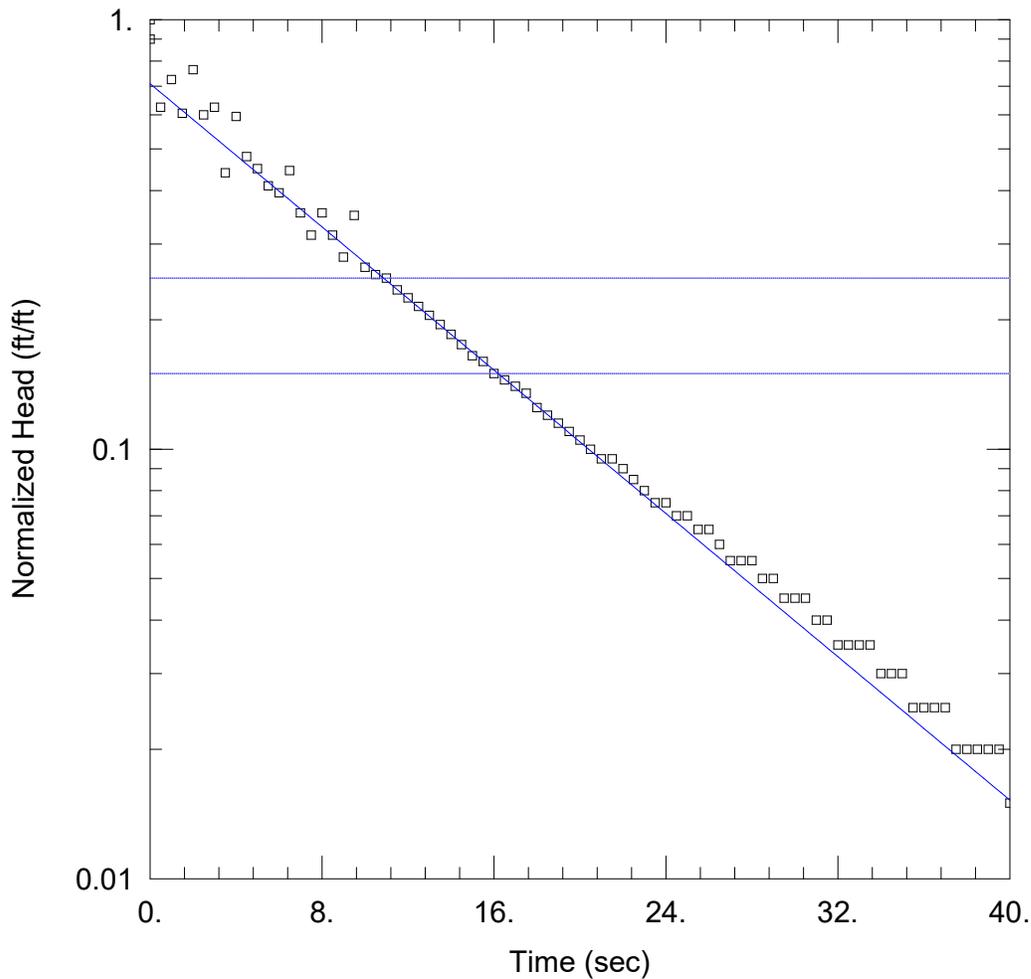
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 9.335E-5$ ft/sec

$y_0 = 1.357$ ft



MW-335 FALLING 2

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-335 Slug in 2 Hvorslev.aqt
 Date: 06/02/20 Time: 12:53:38

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-335

AQUIFER DATA

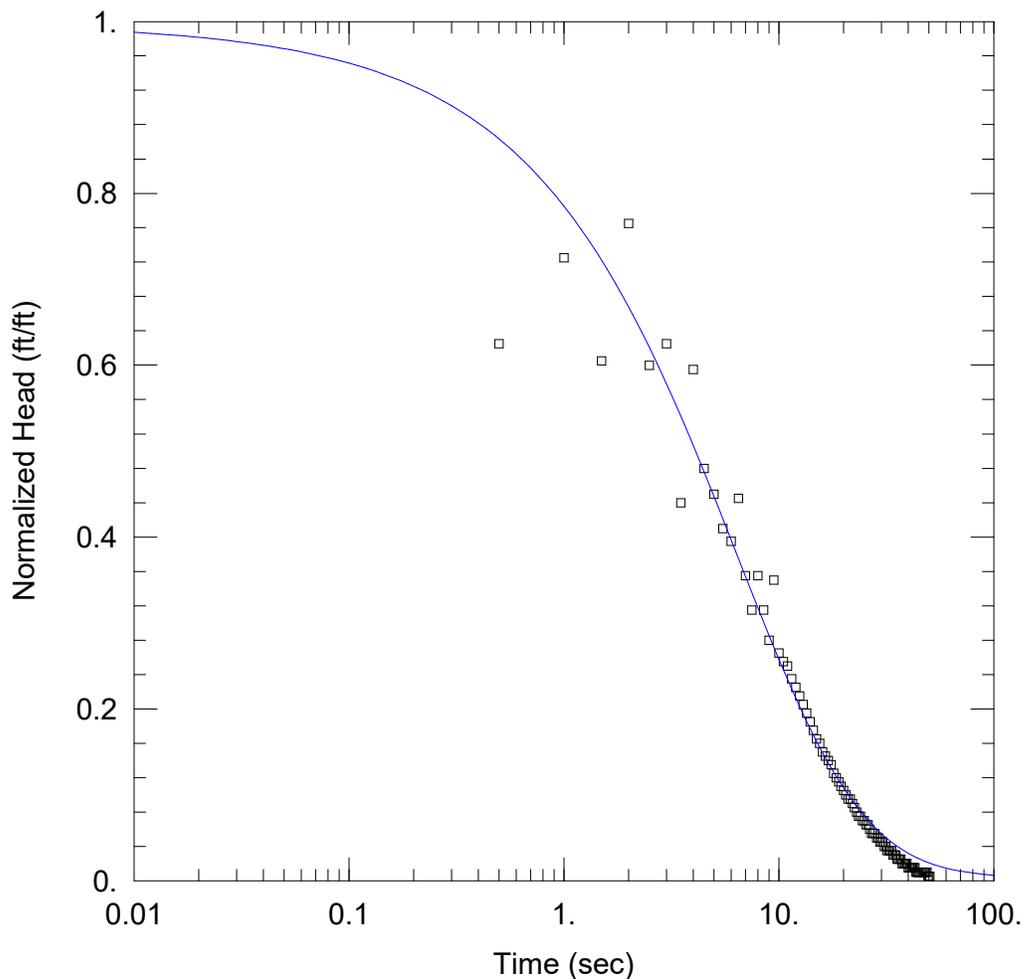
Saturated Thickness: 30. ft Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-335)

Initial Displacement: 2. ft Static Water Column Height: 40.55 ft
 Total Well Penetration Depth: 24.09 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 $K = 0.0001219$ ft/sec $y_0 = 1.418$ ft



MW-335 FALLING 2

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-335 Slug in 2 KGS.aqt
 Date: 06/02/20 Time: 12:53:11

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-335

AQUIFER DATA

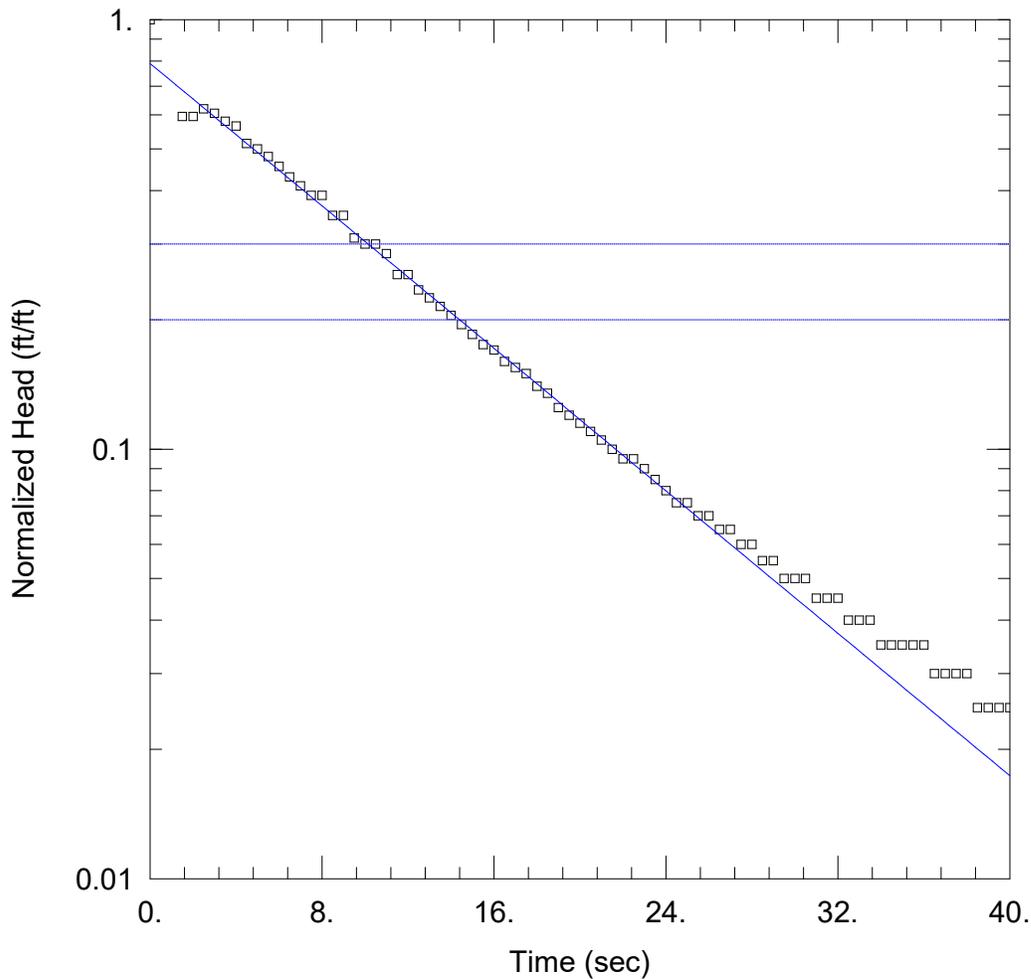
Saturated Thickness: 30. ft

WELL DATA (MW-335)

Initial Displacement: <u>2. ft</u>	Static Water Column Height: <u>40.55 ft</u>
Total Well Penetration Depth: <u>24.09 ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.25 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>0.0001256 ft/sec</u>	Ss = <u>0.0001348 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



MW-335 FALLING 3

Data Set: C:\...\MW-335 Slug in 3 Bower-Rice.aqt

Date: 06/02/20

Time: 14:06:56

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-335

AQUIFER DATA

Saturated Thickness: 30. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-335)

Initial Displacement: 2. ft

Static Water Column Height: 40.55 ft

Total Well Penetration Depth: 24.09 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

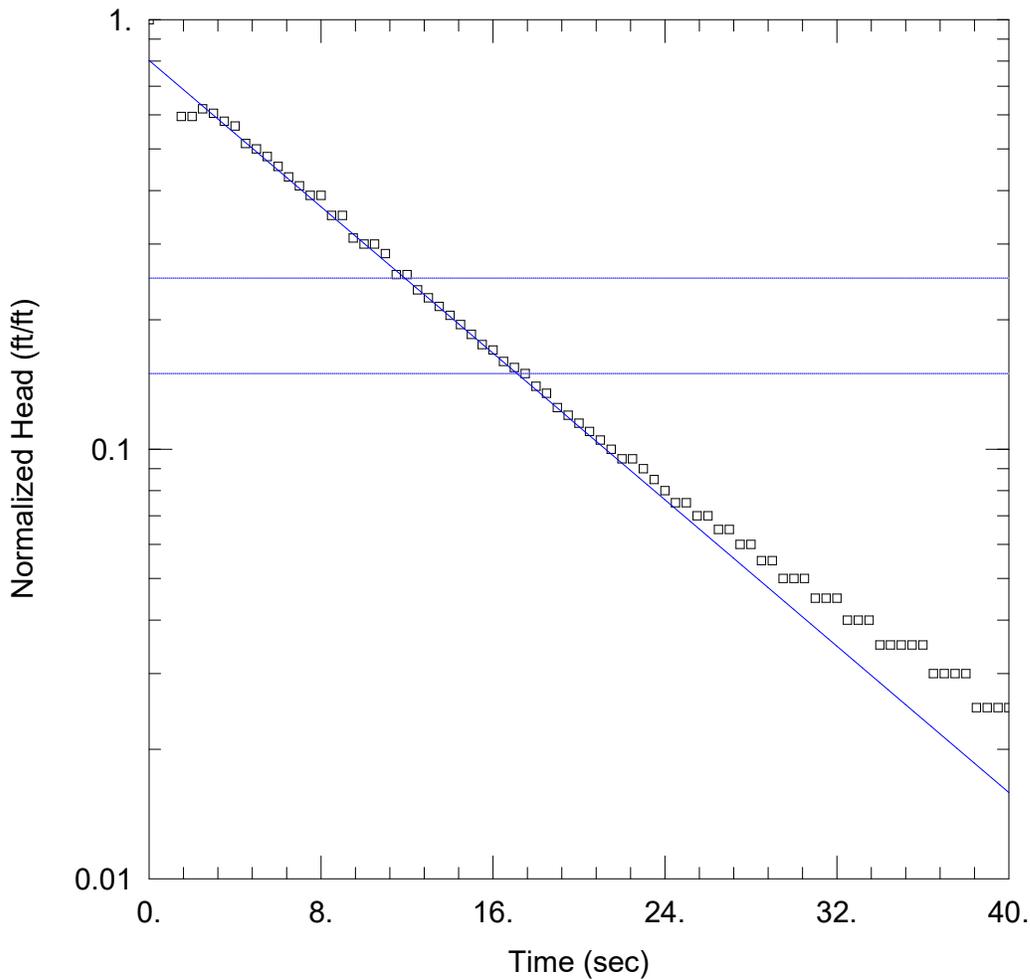
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 9.52E-5$ ft/sec

$y_0 = 1.58$ ft



MW-335 FALLING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-335 Slug in 3 Hvorslev.aqt

Date: 06/02/20

Time: 14:07:24

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-335

AQUIFER DATA

Saturated Thickness: 30. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-335)

Initial Displacement: 2. ft

Static Water Column Height: 40.55 ft

Total Well Penetration Depth: 24.09 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

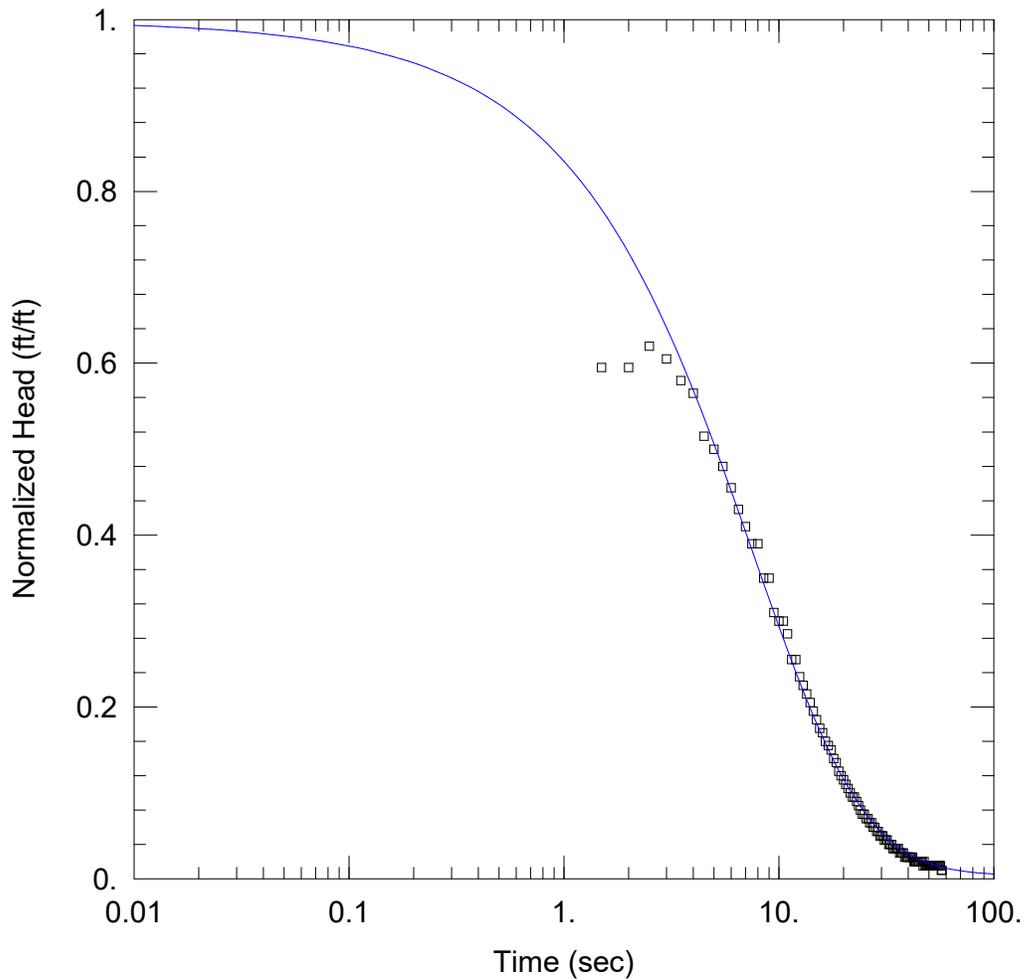
SOLUTION

Aquifer Model: Confined

Solution Method: Hvorslev

$K = 0.0001247$ ft/sec

$y_0 = 1.607$ ft



MW-335 FALLING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-335_Slug in_3 KGS.aqt
 Date: 06/02/20 Time: 14:09:26

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-335

AQUIFER DATA

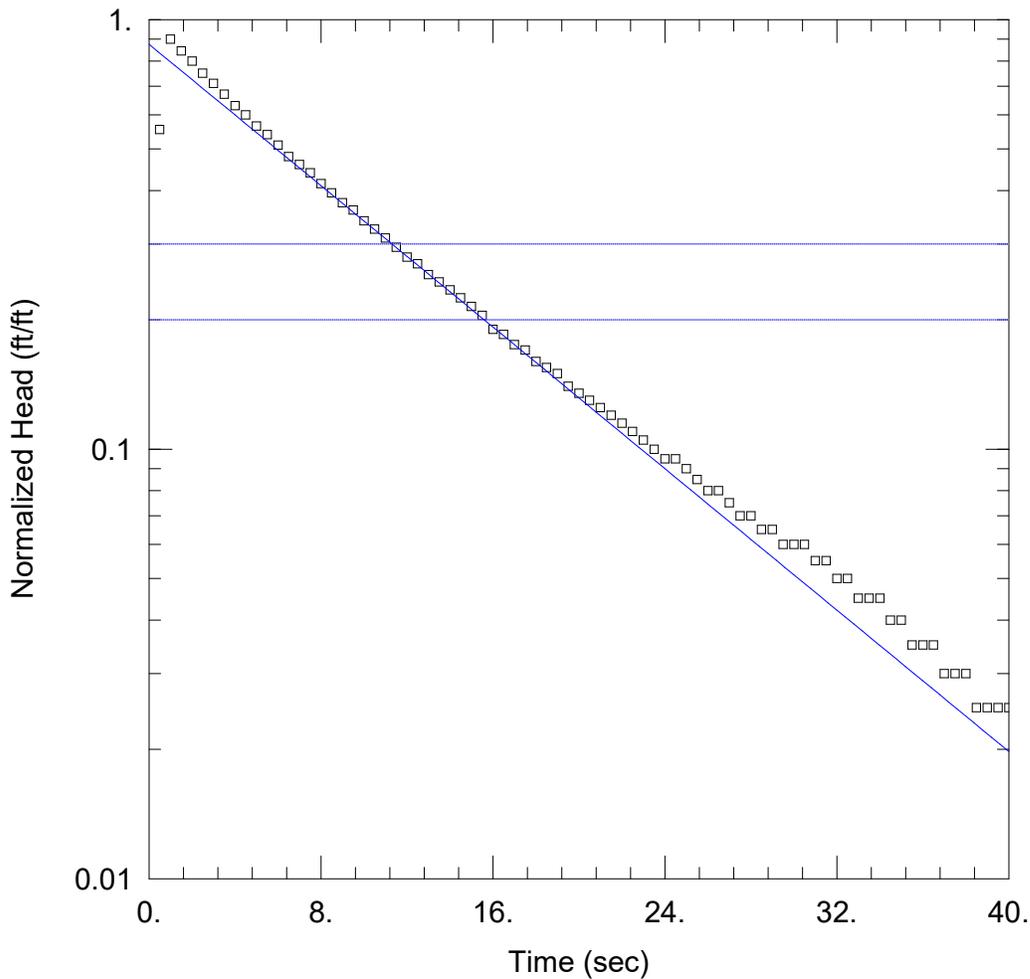
Saturated Thickness: 30. ft

WELL DATA (MW-335)

Initial Displacement: <u>2. ft</u>	Static Water Column Height: <u>40.55 ft</u>
Total Well Penetration Depth: <u>24.09 ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.25 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>0.0001273 ft/sec</u>	Ss = <u>3.034E-5 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



MW-335 RISING 1

Data Set: C:\...\MW-335 Slug out 1 Bower-Rice.aqt

Date: 06/02/20

Time: 12:47:08

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-335

AQUIFER DATA

Saturated Thickness: 30. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-335)

Initial Displacement: -2. ft

Static Water Column Height: 40.55 ft

Total Well Penetration Depth: 24.09 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

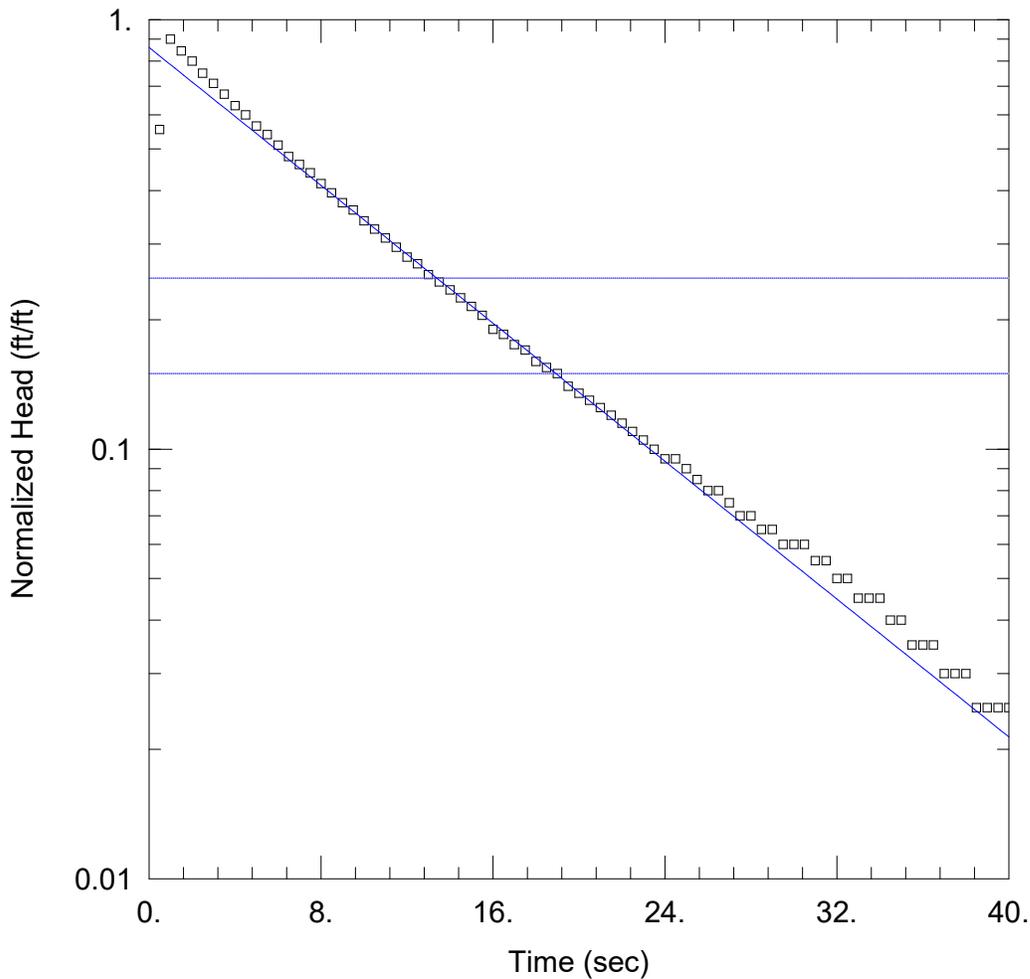
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 9.454E-5$ ft/sec

$y_0 = -1.751$ ft



MW-335 RISING 1

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-335 Slug out_1 Hvorslev.aqt
 Date: 06/02/20 Time: 12:48:20

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-335

AQUIFER DATA

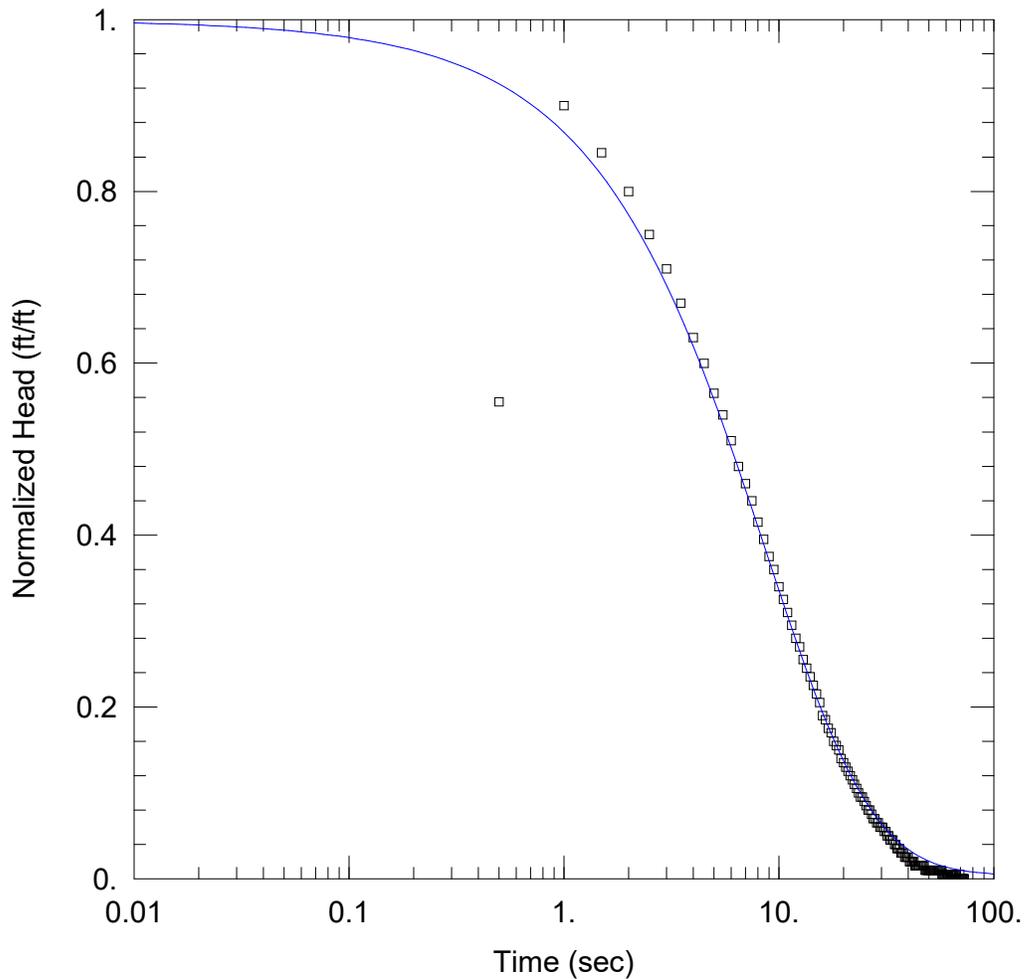
Saturated Thickness: 30. ft Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-335)

Initial Displacement: -2. ft Static Water Column Height: 40.55 ft
 Total Well Penetration Depth: 24.09 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 $K = 0.0001174$ ft/sec $y_0 = -1.721$ ft



MW-335 RISING 1

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-335 Slug out_1 KGS.aqt
 Date: 06/02/20 Time: 12:49:24

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-335

AQUIFER DATA

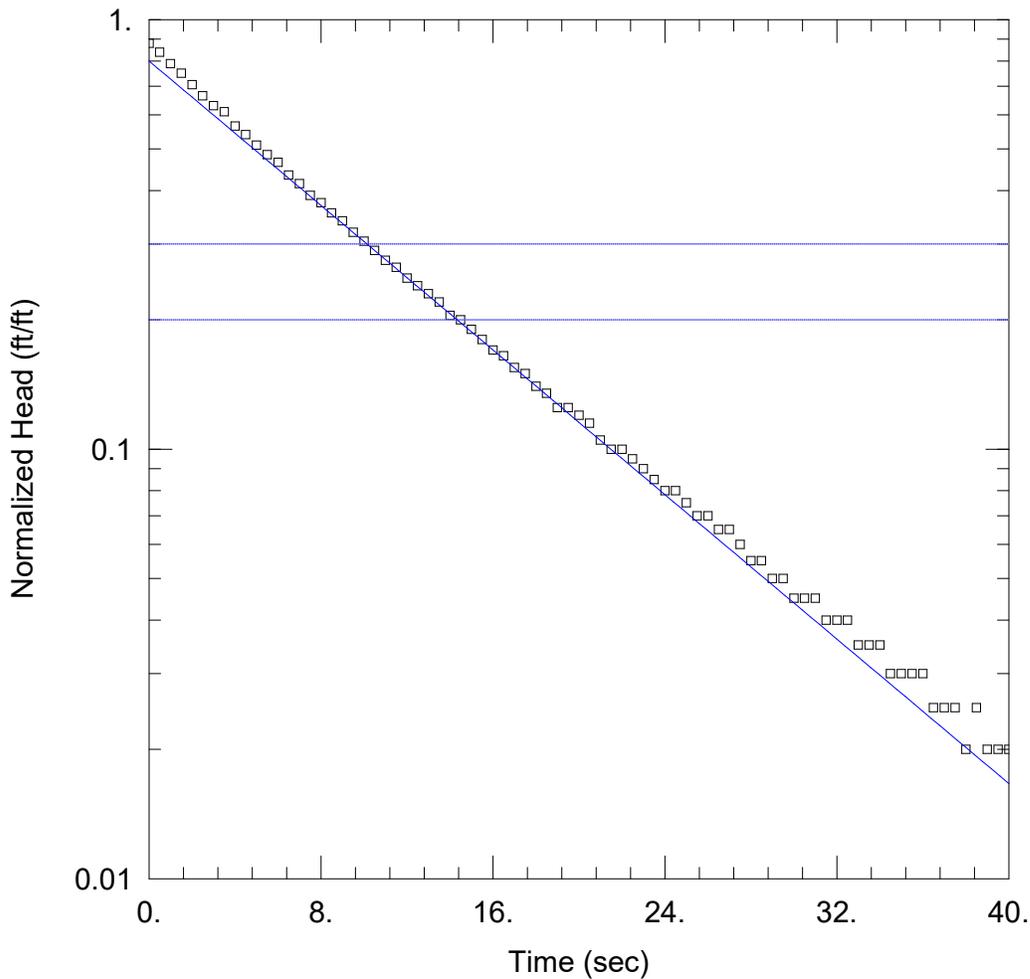
Saturated Thickness: 30. ft

WELL DATA (MW-335)

Initial Displacement: <u>-2. ft</u>	Static Water Column Height: <u>40.55 ft</u>
Total Well Penetration Depth: <u>24.09 ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.25 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>0.0001217 ft/sec</u>	Ss = <u>7.486E-6 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



MW-335 RISING 2

Data Set: C:\...\MW-335 Slug out 2 Bower-Rice.aqt

Date: 06/02/20

Time: 12:54:17

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-335

AQUIFER DATA

Saturated Thickness: 30. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-335)

Initial Displacement: -2. ft

Static Water Column Height: 40.55 ft

Total Well Penetration Depth: 24.09 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

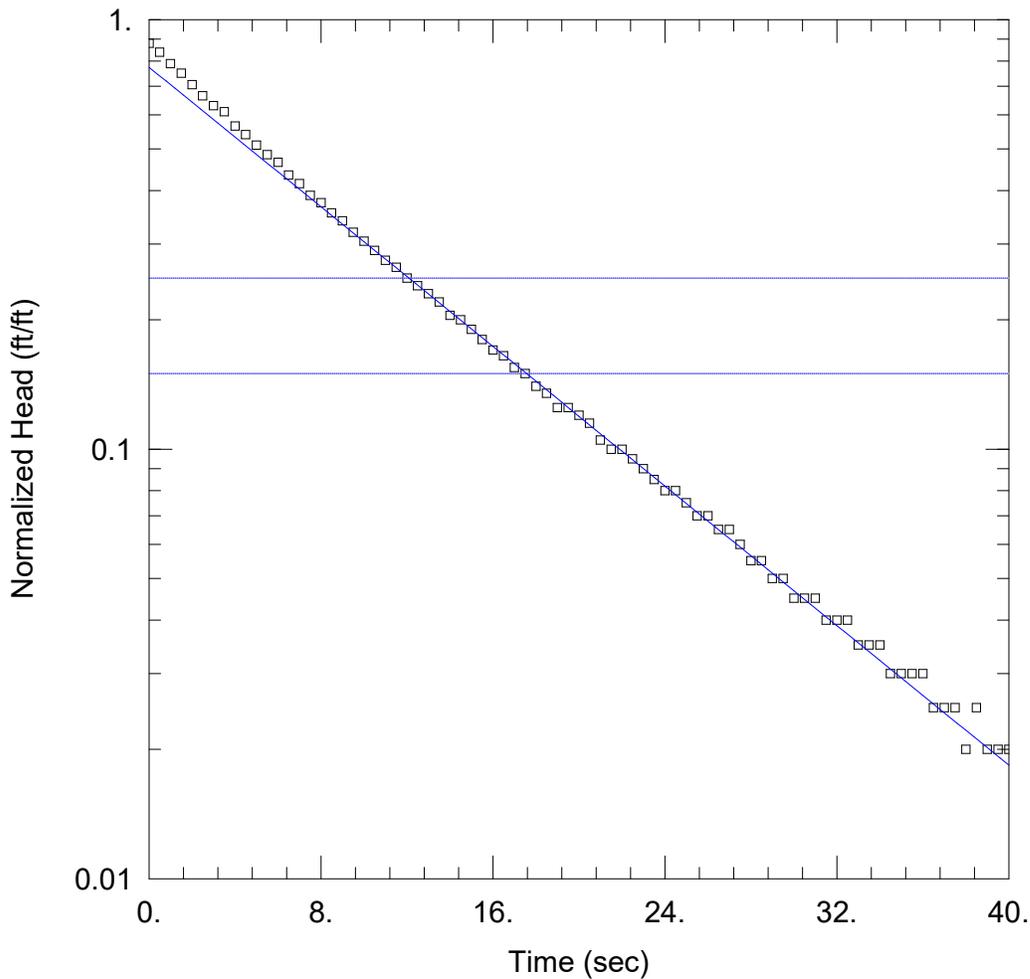
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 9.658E-5$ ft/sec

$y_0 = -1.601$ ft



MW-335 RISING 2

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-335 Slug out 2 Hvorslev.aqt

Date: 06/02/20

Time: 12:54:55

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-335

AQUIFER DATA

Saturated Thickness: 30. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-335)

Initial Displacement: -2. ft

Static Water Column Height: 40.55 ft

Total Well Penetration Depth: 24.09 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

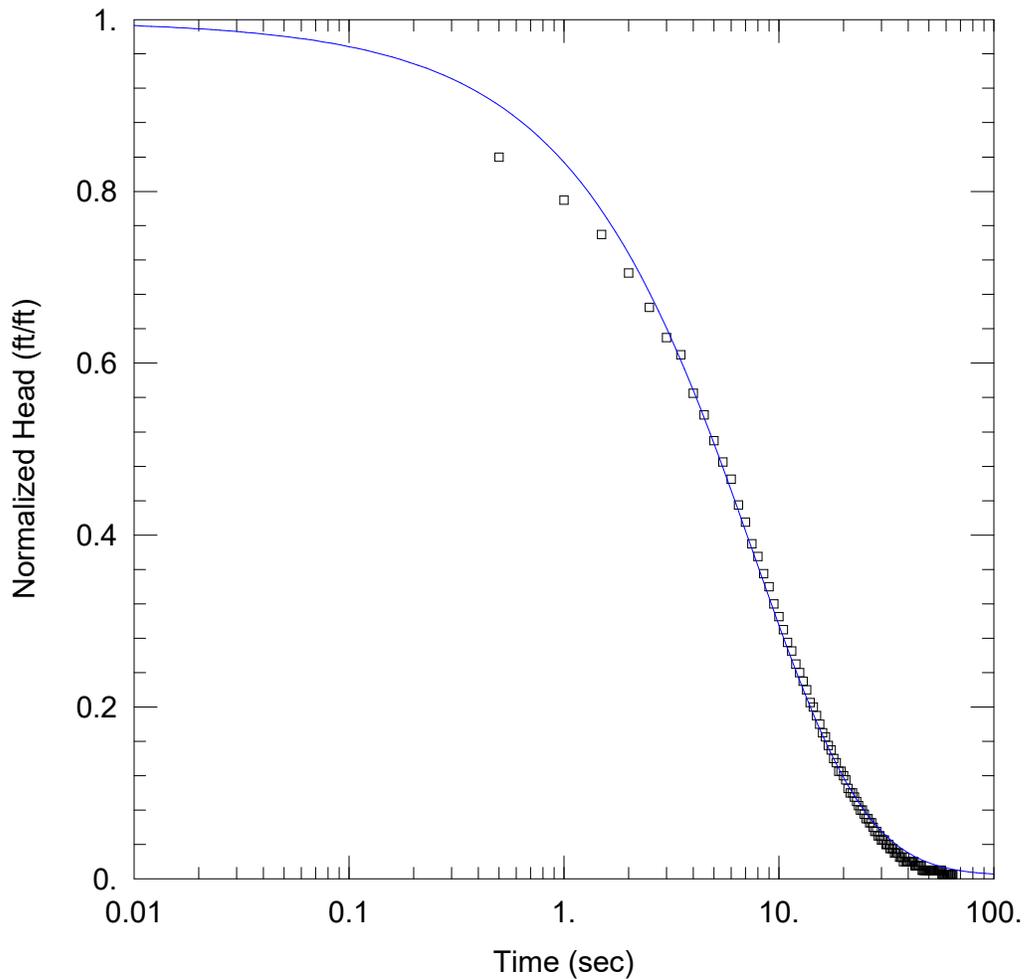
SOLUTION

Aquifer Model: Confined

Solution Method: Hvorslev

$K = 0.0001188$ ft/sec

$y_0 = -1.548$ ft



MW-335 RISING 2

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-335 Slug out 2 KGS.aqt

Date: 06/02/20

Time: 12:56:34

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-335

AQUIFER DATA

Saturated Thickness: 30. ft

WELL DATA (MW-335)

Initial Displacement: -2. ft

Total Well Penetration Depth: 24.09 ft

Casing Radius: 0.083 ft

Static Water Column Height: 40.55 ft

Screen Length: 10. ft

Well Radius: 0.25 ft

SOLUTION

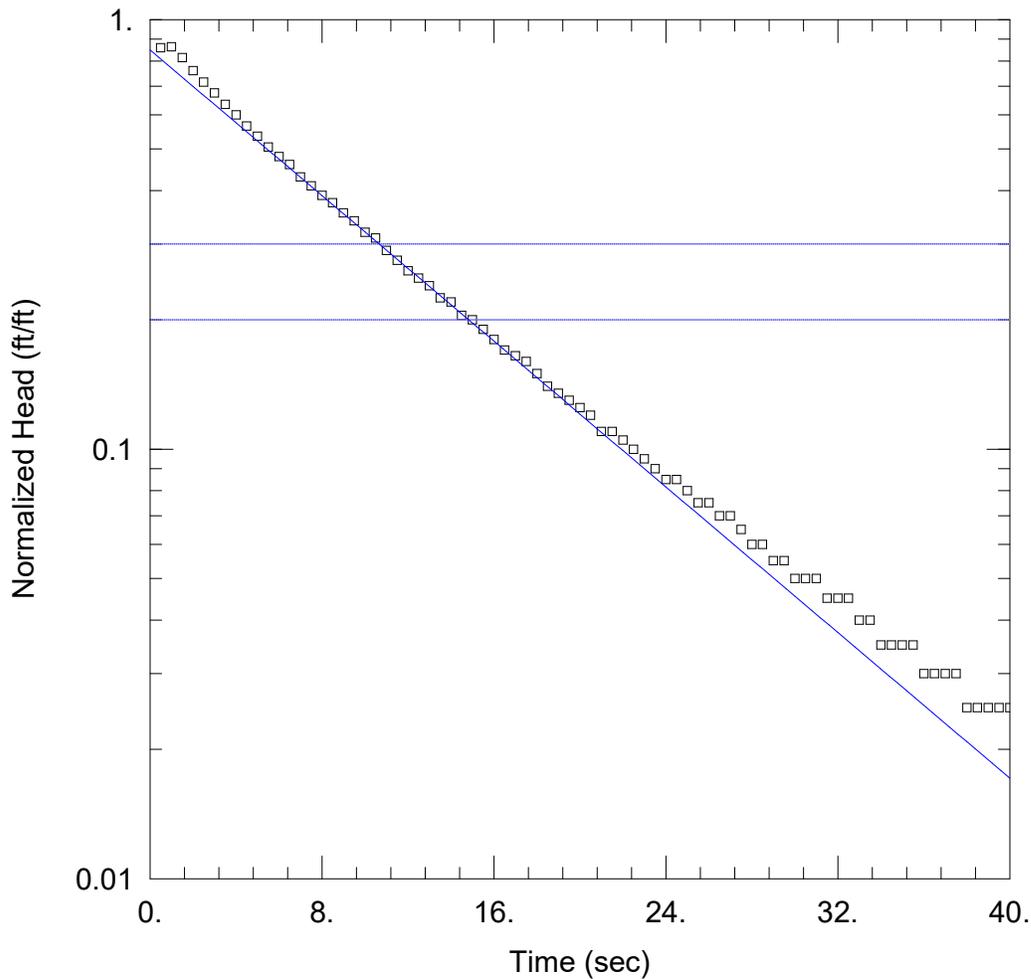
Aquifer Model: Confined

Kr = 0.0001257 ft/sec

Kz/Kr = 1.

Solution Method: KGS Model

Ss = 3.374E-5 ft⁻¹



MW-335 RISING 3

Data Set: C:\...\MW-335 Slug out 3 Bower-Rice.aqt

Date: 06/02/20

Time: 14:10:26

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-335

AQUIFER DATA

Saturated Thickness: 30. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-335)

Initial Displacement: -2. ft

Static Water Column Height: 40.55 ft

Total Well Penetration Depth: 24.09 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

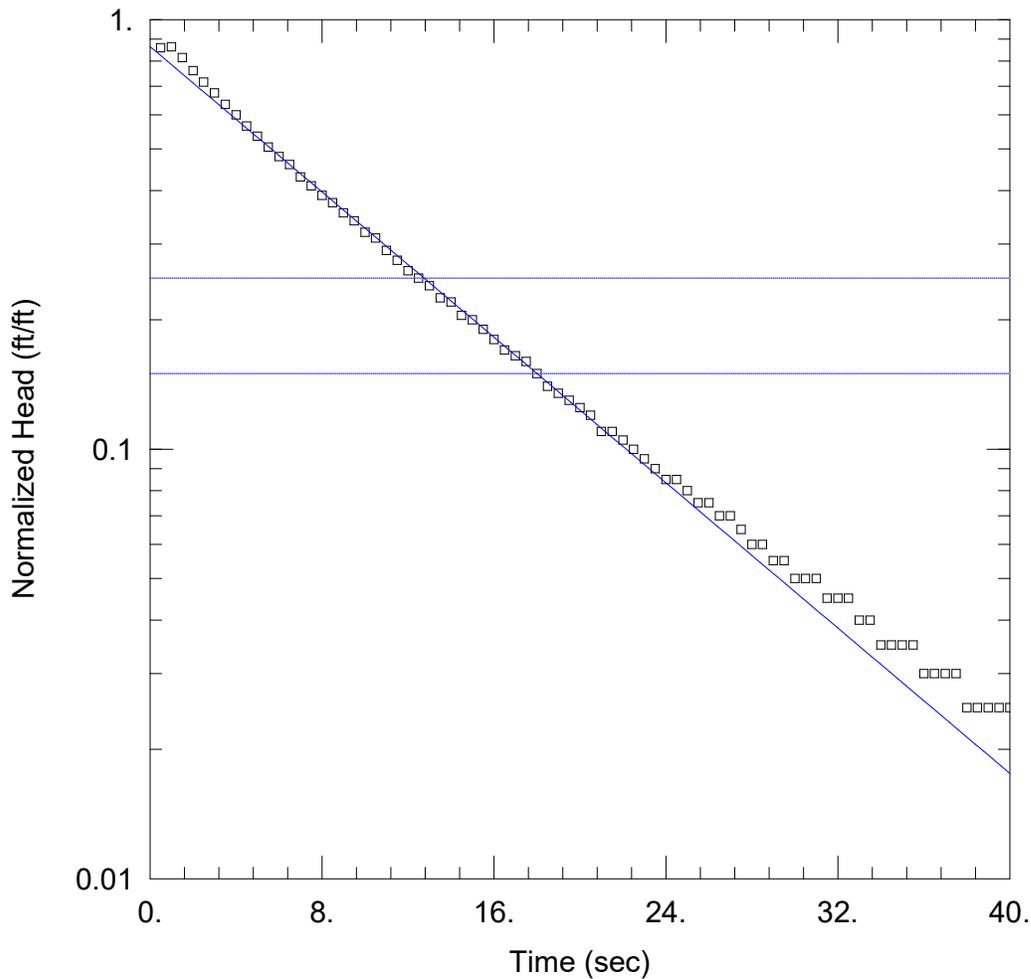
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 9.733E-5$ ft/sec

$y_0 = -1.699$ ft



MW-335 RISING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-335 Slug out_3 Hvorslev.aqt

Date: 06/02/20

Time: 14:10:58

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-335

AQUIFER DATA

Saturated Thickness: 30. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-335)

Initial Displacement: -2. ft

Static Water Column Height: 40.55 ft

Total Well Penetration Depth: 24.09 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

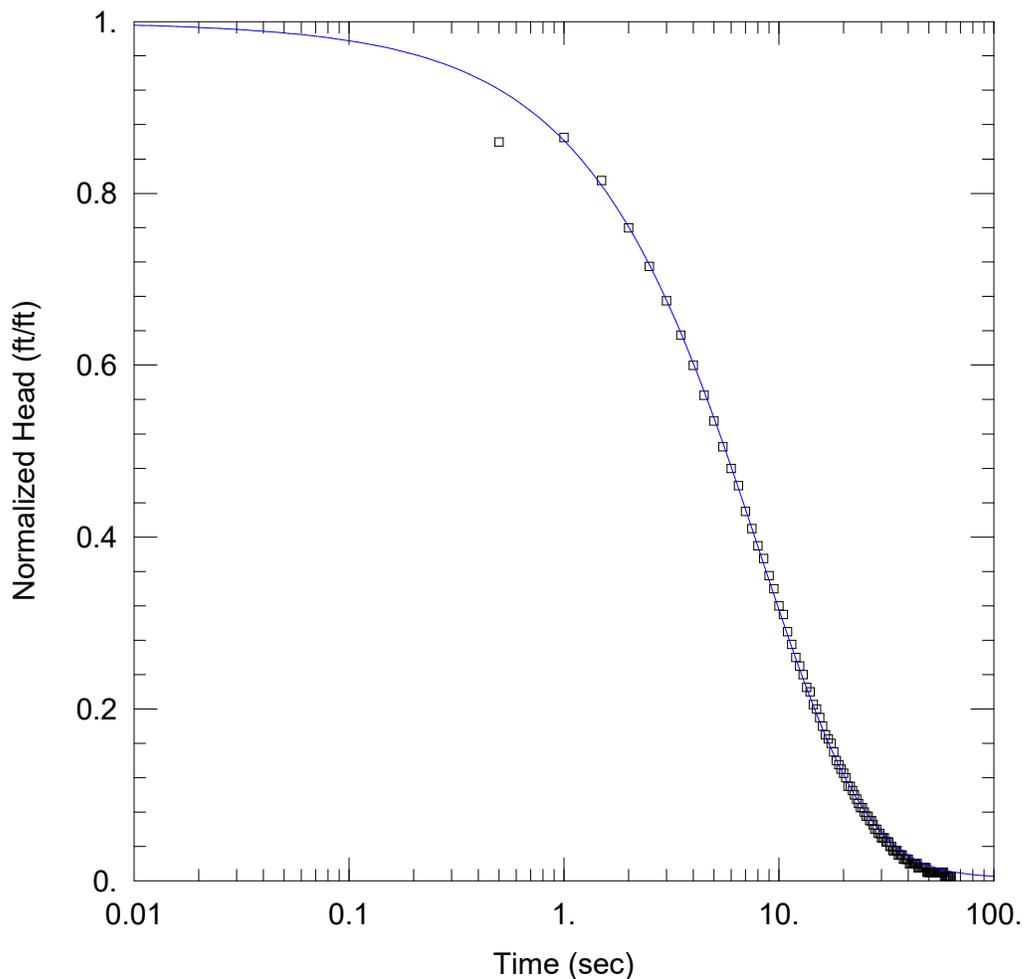
SOLUTION

Aquifer Model: Confined

Solution Method: Hvorslev

$K = 0.0001237$ ft/sec

$y_0 = -1.73$ ft



MW-335 RISING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-335 Slug out_3 KGS.aqt
 Date: 06/02/20 Time: 14:12:01

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-335

AQUIFER DATA

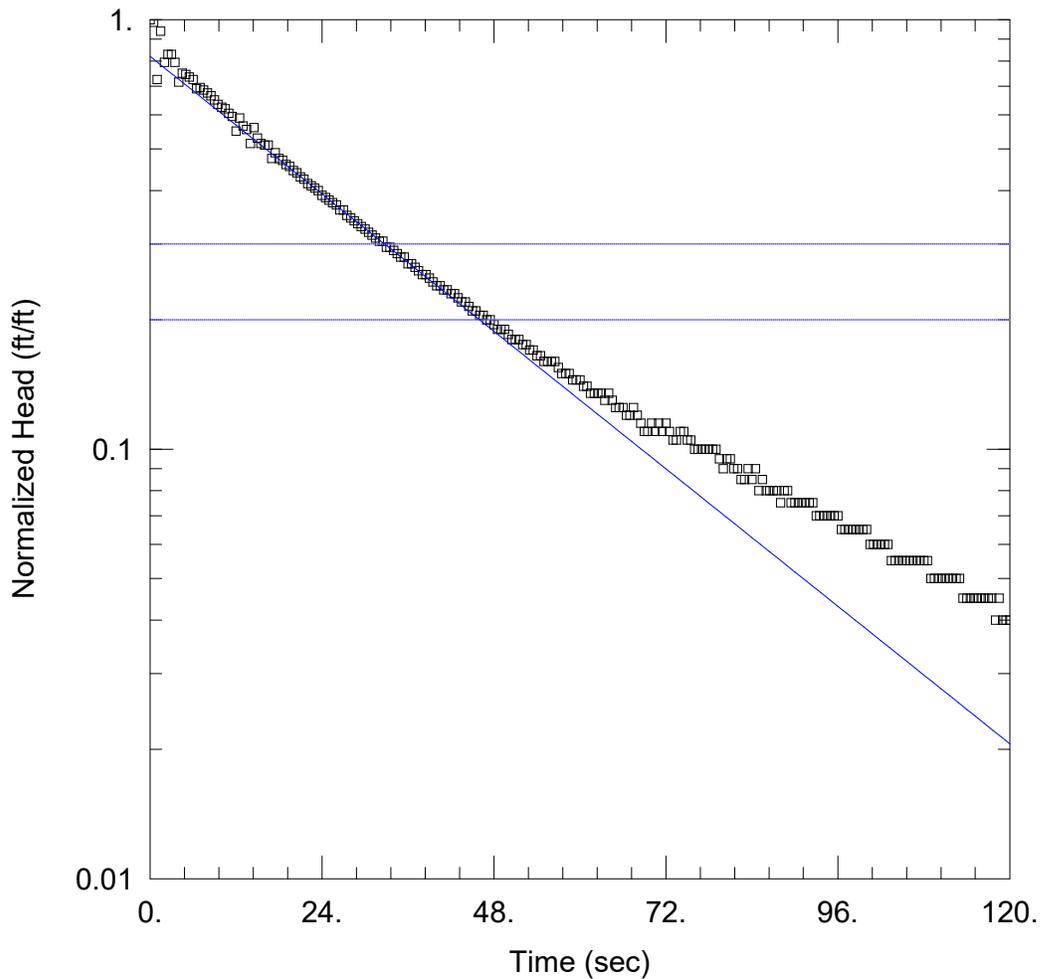
Saturated Thickness: 30. ft

WELL DATA (MW-335)

Initial Displacement: <u>-2. ft</u>	Static Water Column Height: <u>40.55 ft</u>
Total Well Penetration Depth: <u>24.09 ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.25 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>0.0001292 ft/sec</u>	Ss = <u>7.89E-6 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



MW-336 FALLING 2

Data Set: C:\...\MW-336 Slug in 2 Bower-Rice.aqt

Date: 06/02/20

Time: 14:17:52

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-335

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-336)

Initial Displacement: 2. ft

Static Water Column Height: 65.65 ft

Total Well Penetration Depth: 18.59 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

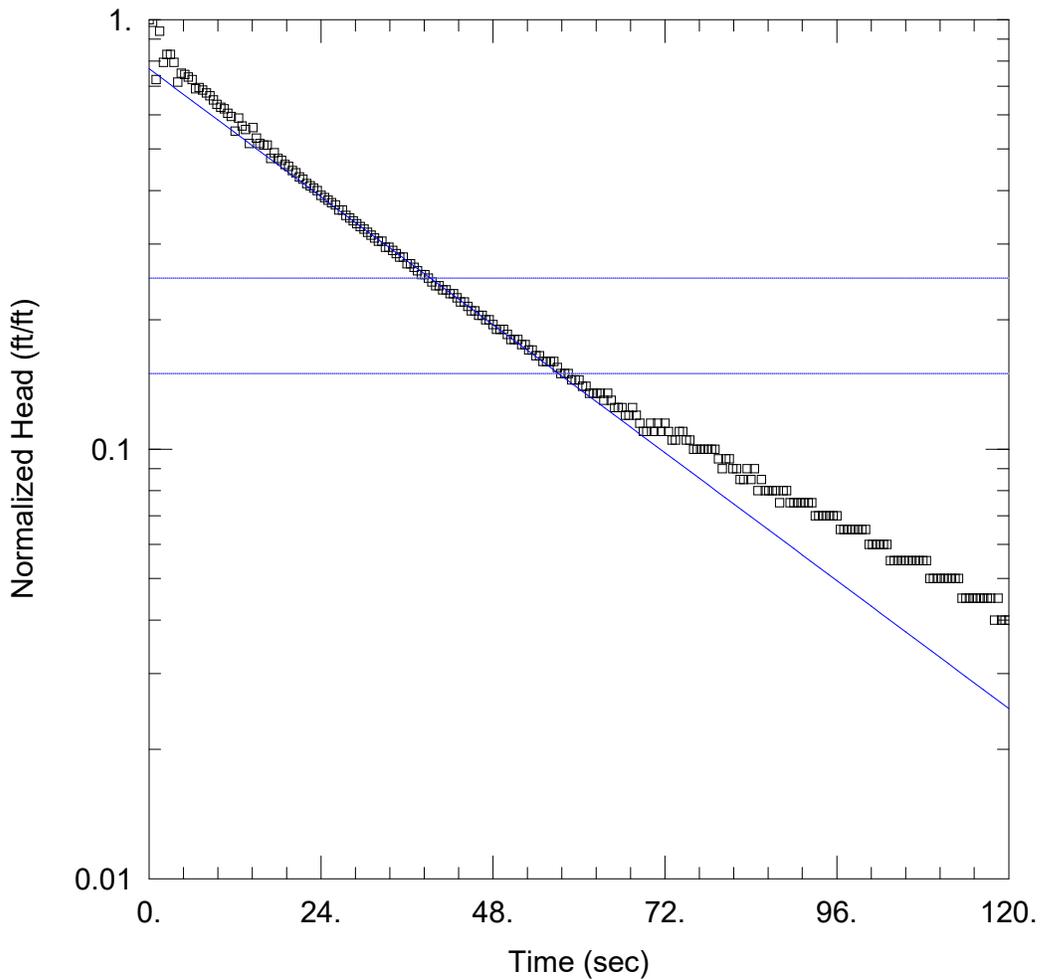
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 2.785E-5$ ft/sec

$y_0 = 1.641$ ft



MW-336 FALLING 2

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-336 Slug in 2 Hvorslev.aqt
 Date: 06/02/20 Time: 14:19:14

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-335

AQUIFER DATA

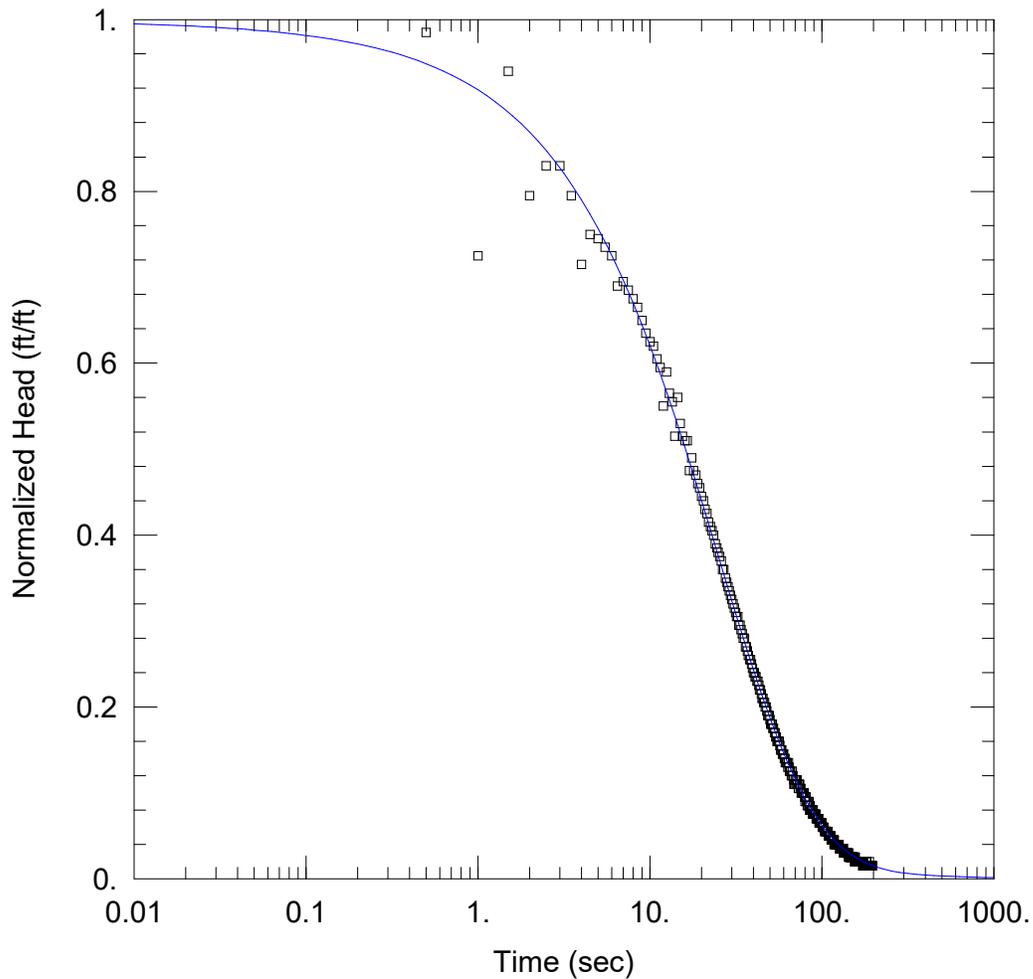
Saturated Thickness: 54. ft Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-336)

Initial Displacement: 2. ft Static Water Column Height: 65.65 ft
 Total Well Penetration Depth: 18.59 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 $K = 3.633E-5$ ft/sec $y_0 = 1.536$ ft



MW-336 FALLING 2

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-336 Slug in 2 KGS.aqt
 Date: 06/02/20 Time: 14:20:39

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-335

AQUIFER DATA

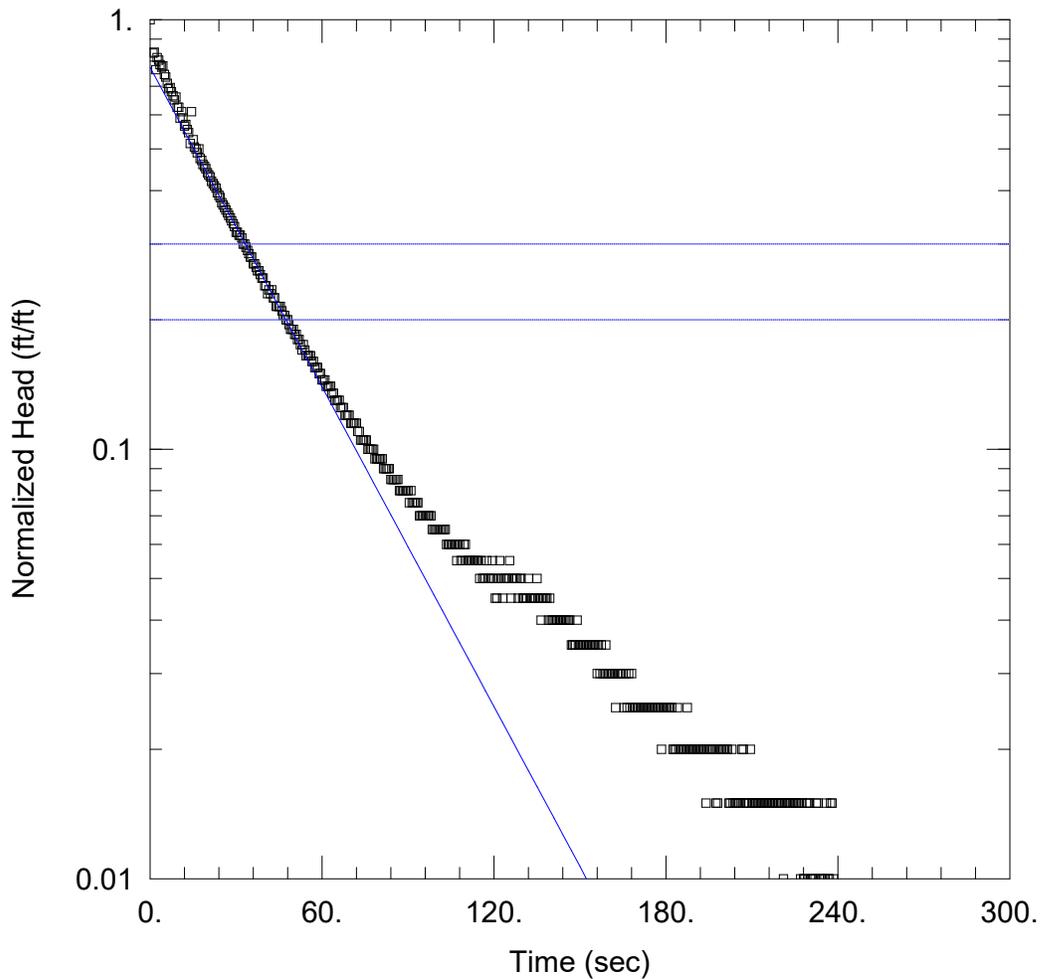
Saturated Thickness: 54. ft

WELL DATA (MW-336)

Initial Displacement: <u>2. ft</u>	Static Water Column Height: <u>65.65 ft</u>
Total Well Penetration Depth: <u>18.59 ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.25 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>3.496E-5 ft/sec</u>	Ss = <u>8.32E-5 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



MW-336 FALLING 3

Data Set: C:\...\MW-336 Slug in 3 Bower-Rice.aqt

Date: 06/02/20

Time: 14:26:37

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-335

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-336)

Initial Displacement: 2. ft

Static Water Column Height: 65.65 ft

Total Well Penetration Depth: 18.59 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

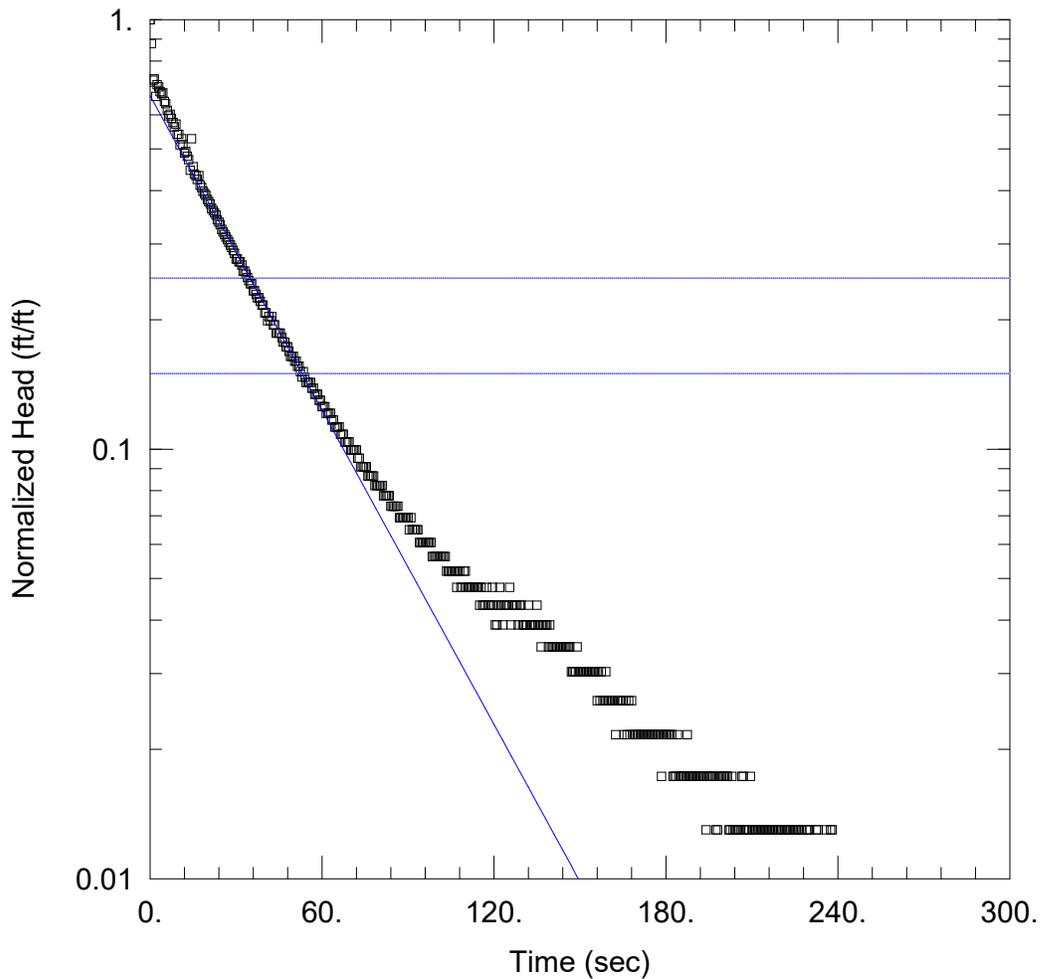
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 2.59E-5$ ft/sec

$y_0 = 1.548$ ft



MW-336 FALLING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-336 Slug out_3 Hvorslev.aqt

Date: 06/01/20

Time: 08:36:21

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-335

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-336)

Initial Displacement: 2.31 ft

Static Water Column Height: 65.65 ft

Total Well Penetration Depth: 18.59 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

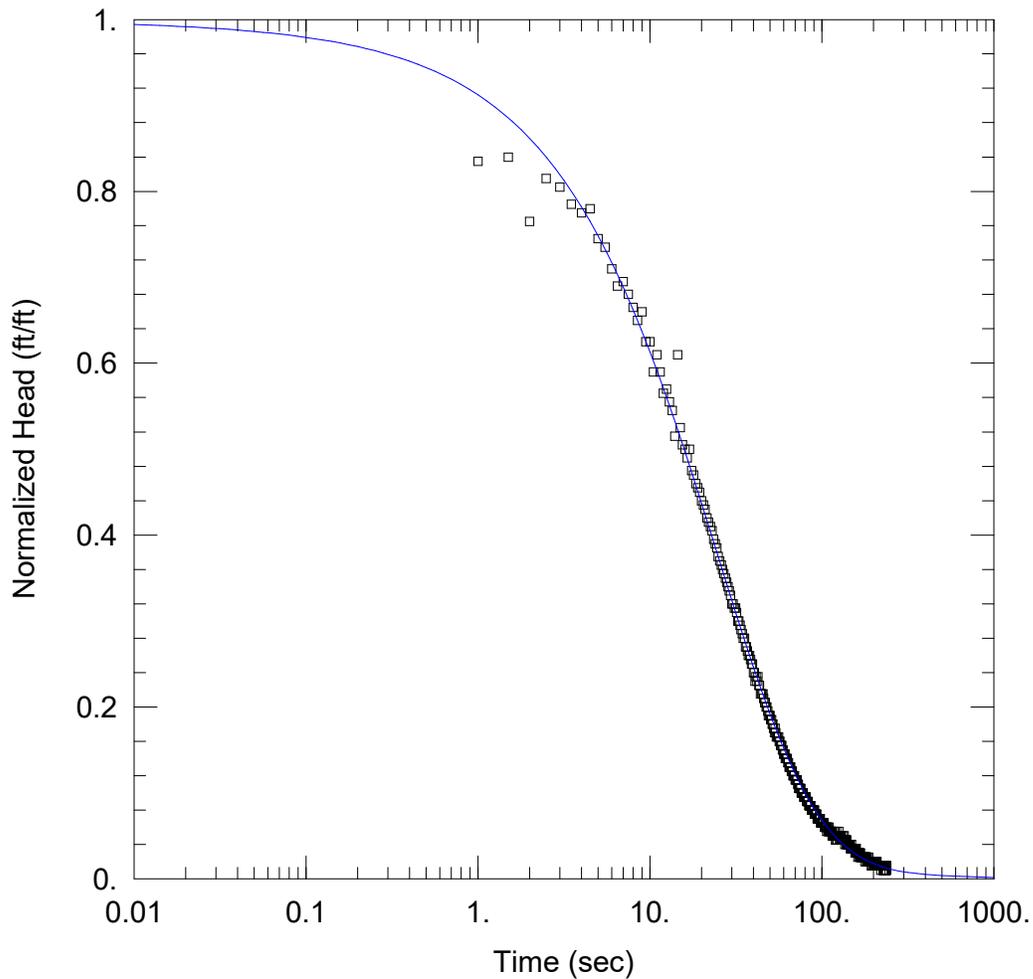
SOLUTION

Aquifer Model: Confined

Solution Method: Hvorslev

$K = 3.569E-5$ ft/sec

$y_0 = 1.536$ ft



MW-336 FALLING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-336 Slug in 3 KGS.aqt
 Date: 06/02/20 Time: 14:28:17

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-335

AQUIFER DATA

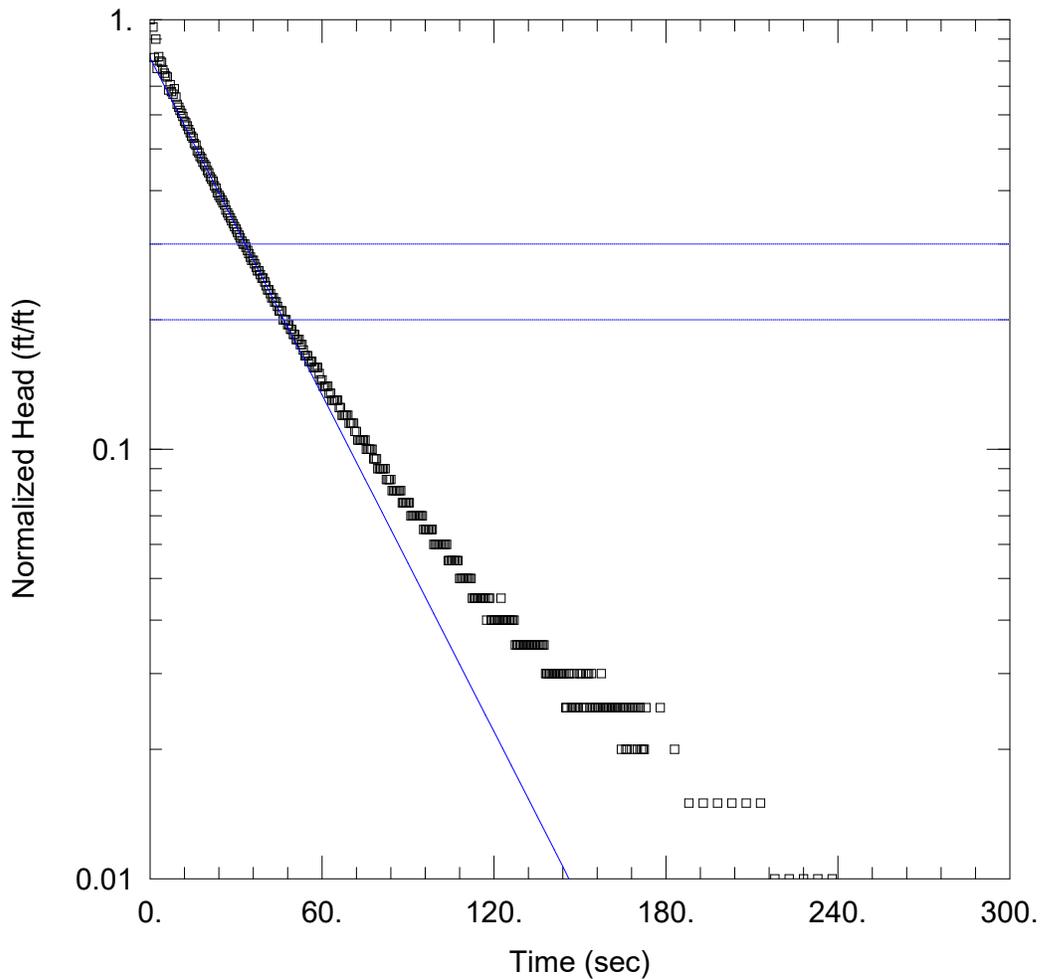
Saturated Thickness: 54. ft

WELL DATA (MW-336)

Initial Displacement: <u>2. ft</u>	Static Water Column Height: <u>65.65 ft</u>
Total Well Penetration Depth: <u>18.59 ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.25 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>3.325E-5 ft/sec</u>	Ss = <u>0.0001208 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



MW-336 FALLING 4

Data Set: C:\...\MW-336 Slug in 4 Bower-Rice.aqt

Date: 06/02/20

Time: 14:35:07

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-335

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-336)

Initial Displacement: 2. ft

Static Water Column Height: 65.65 ft

Total Well Penetration Depth: 18.59 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

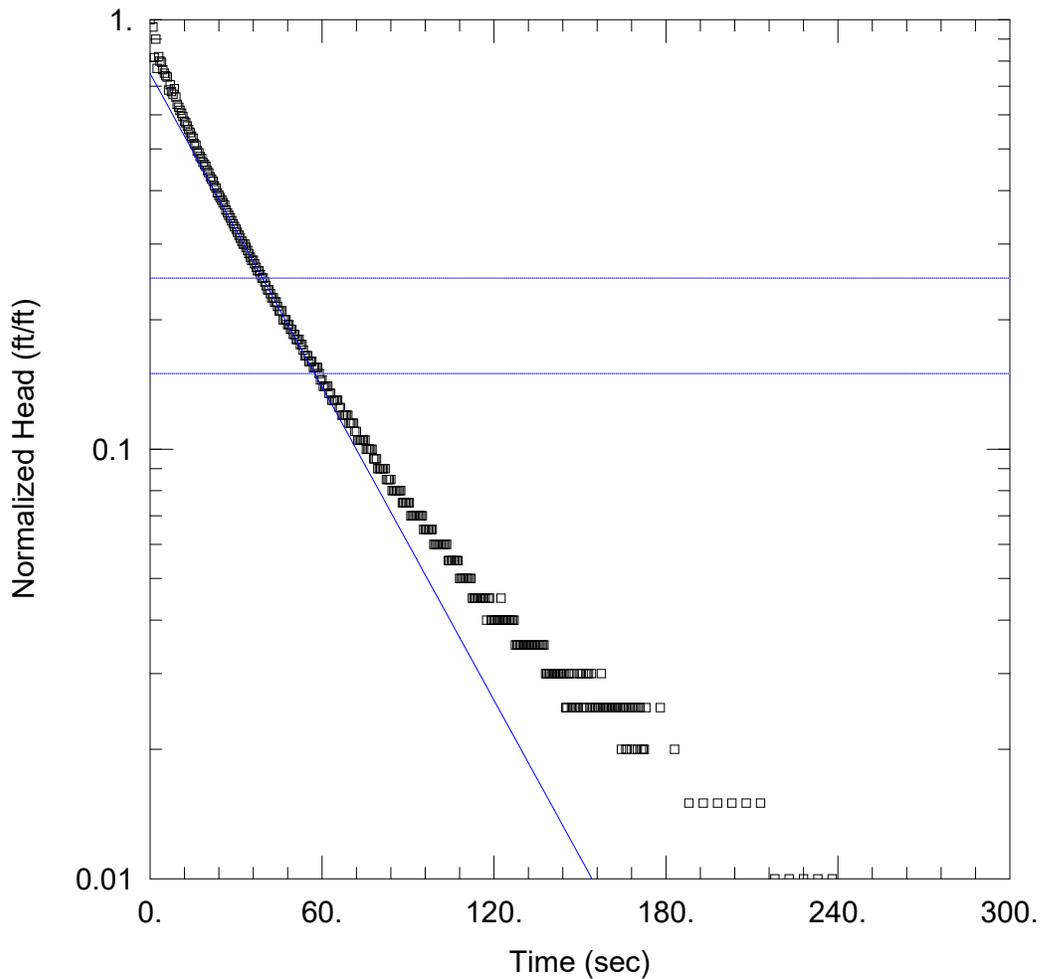
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 2.73E-5$ ft/sec

$y_0 = 1.628$ ft



MW-336 FALLING 4

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-336_Slug_in_4 Hvorslev.aqt
 Date: 06/02/20 Time: 14:35:35

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-335

AQUIFER DATA

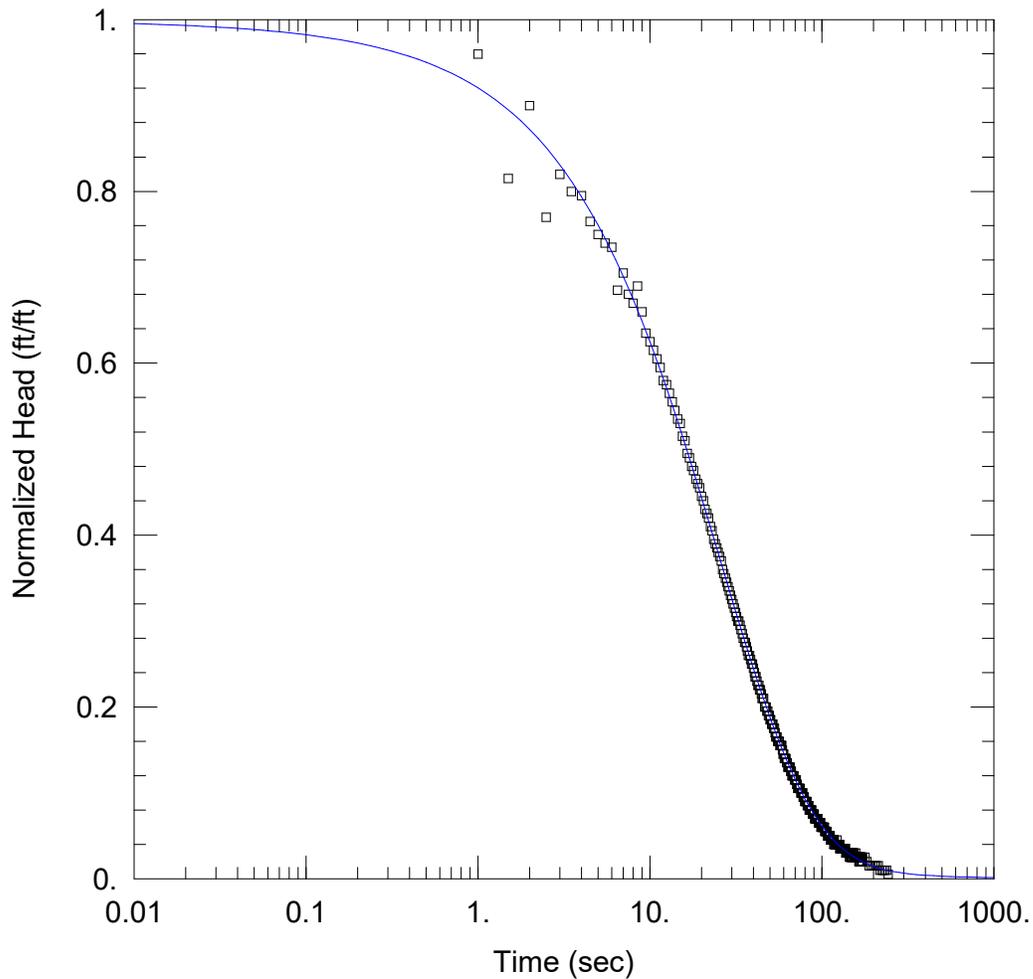
Saturated Thickness: 54. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-336)

Initial Displacement: 2. ft Static Water Column Height: 65.65 ft
 Total Well Penetration Depth: 18.59 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 K = 3.558E-5 ft/sec y0 = 1.498 ft



MW-336 FALLING 4

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-336 Slug in 4 KGS.aqt
 Date: 06/02/20 Time: 14:36:58

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-335

AQUIFER DATA

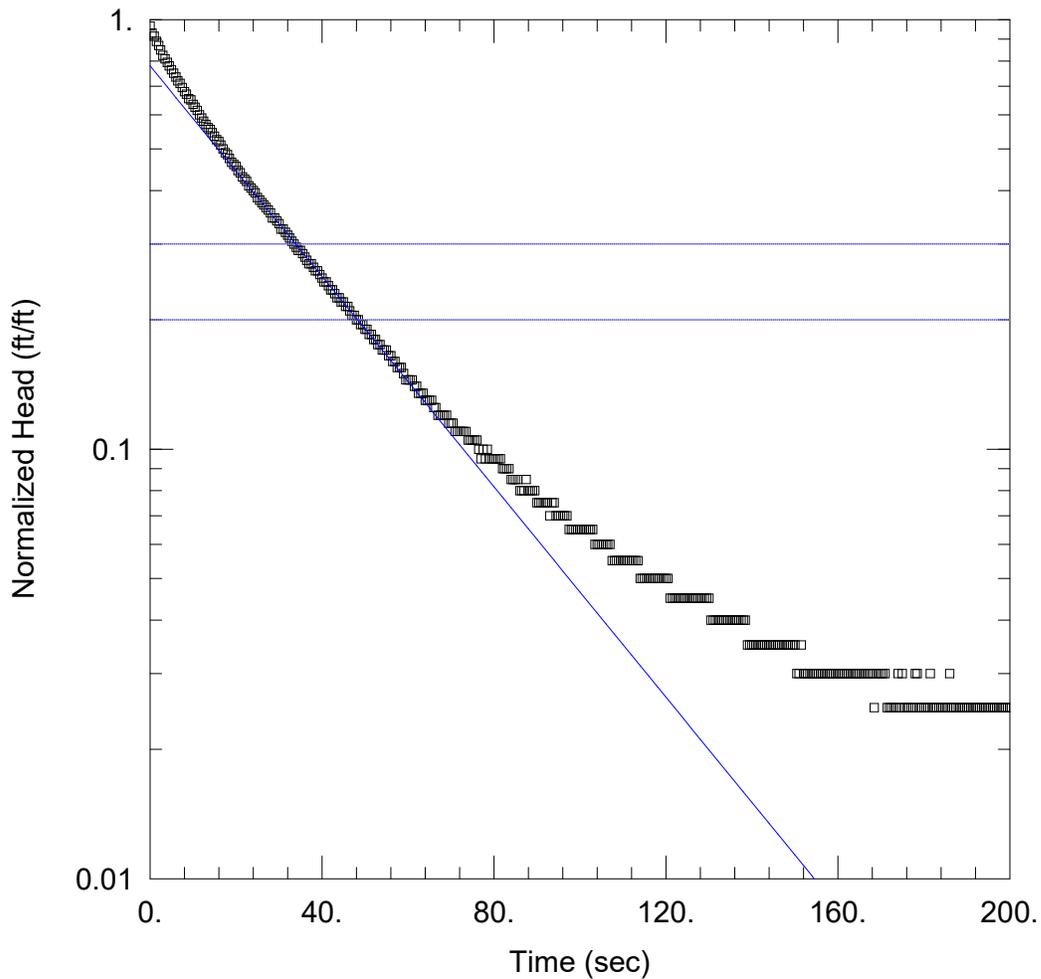
Saturated Thickness: 54. ft

WELL DATA (MW-336)

Initial Displacement: 2. ft Static Water Column Height: 65.65 ft
 Total Well Penetration Depth: 18.59 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Confined Solution Method: KGS Model
 $K_r = 3.517E-5$ ft/sec $S_s = 7.362E-5$ ft⁻¹
 $K_z/K_r = 1.$



MW-336 RISING 2

Data Set: C:\...\MW-336 Slug out 2 Bower-Rice.aqt

Date: 06/02/20

Time: 14:21:20

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-335

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-336)

Initial Displacement: -2. ft

Static Water Column Height: 65.65 ft

Total Well Penetration Depth: 18.59 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

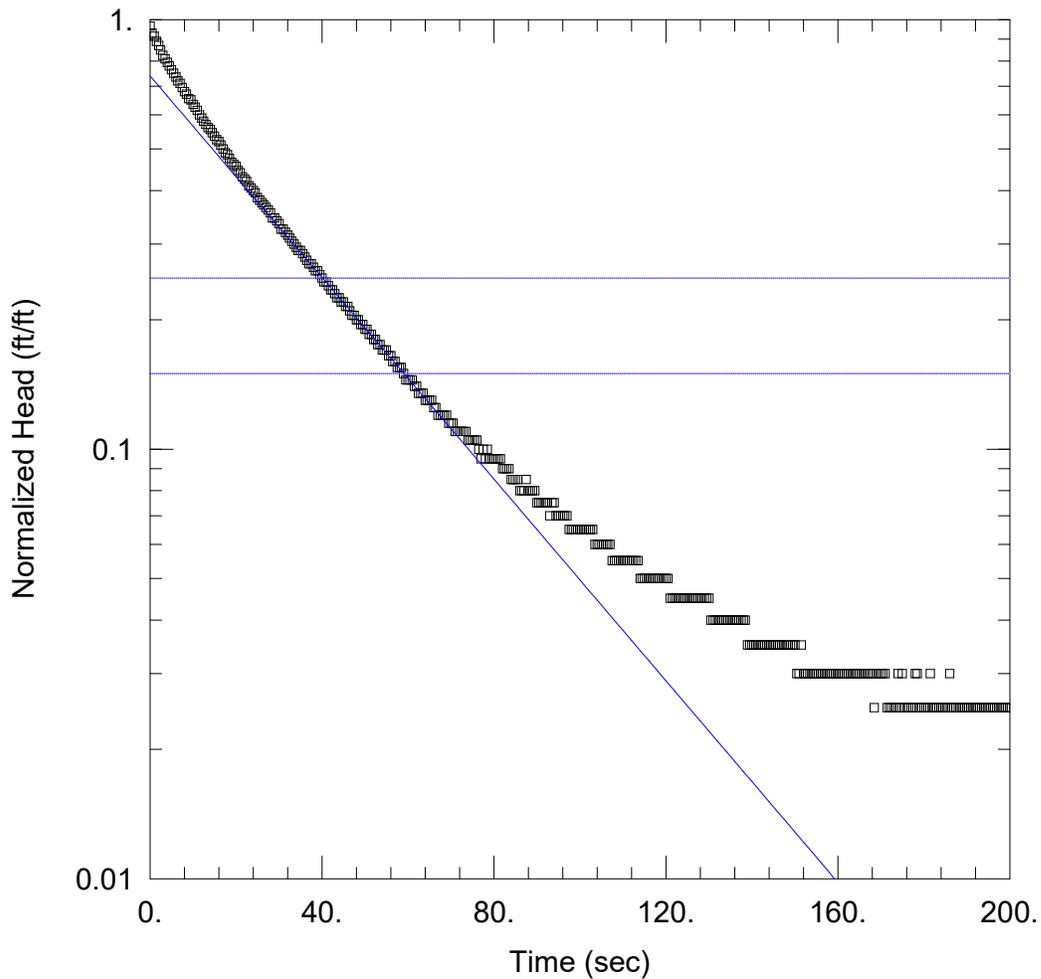
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 2.558E-5$ ft/sec

$y_0 = -1.56$ ft



MW-336 RISING 2

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-336 Slug out 2 Hvorslev.aqt

Date: 06/02/20

Time: 14:22:02

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-335

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-336)

Initial Displacement: -2. ft

Static Water Column Height: 65.65 ft

Total Well Penetration Depth: 18.59 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

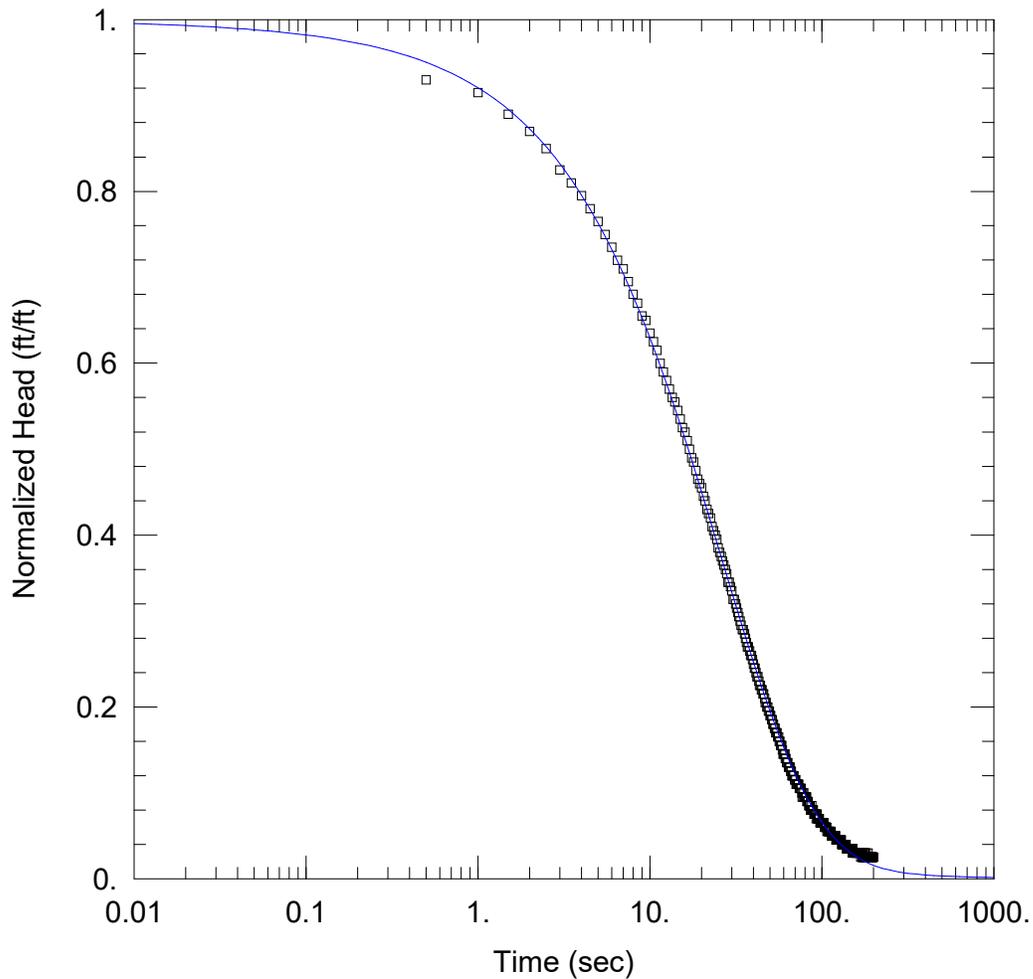
SOLUTION

Aquifer Model: Confined

Solution Method: Hvorslev

$K = 3.434E-5$ ft/sec

$y_0 = -1.478$ ft



MW-336 RISING 2

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-336 Slug out 2 KGS.aqt

Date: 06/02/20

Time: 14:23:21

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-335

AQUIFER DATA

Saturated Thickness: 54. ft

WELL DATA (MW-336)

Initial Displacement: -2. ft

Total Well Penetration Depth: 18.59 ft

Casing Radius: 0.083 ft

Static Water Column Height: 65.65 ft

Screen Length: 10. ft

Well Radius: 0.25 ft

SOLUTION

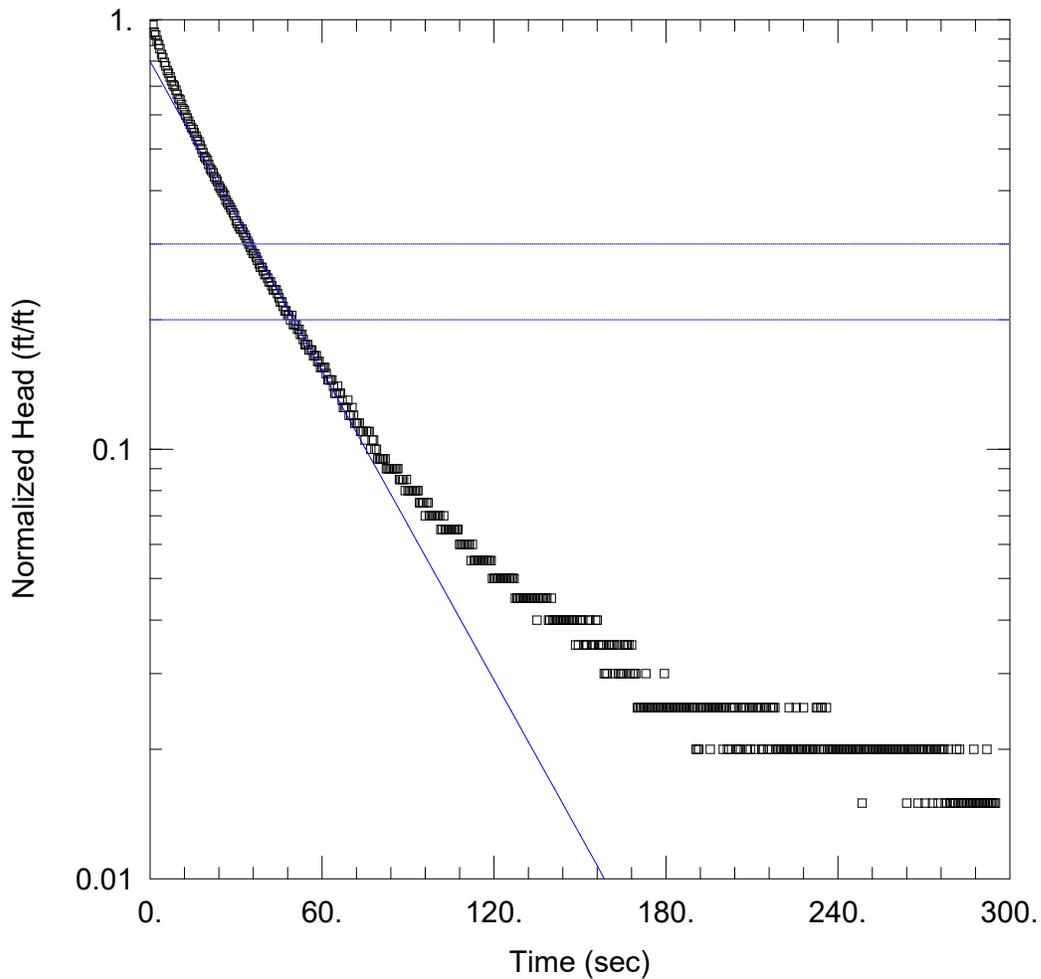
Aquifer Model: Confined

Kr = 3.393E-5 ft/sec

Kz/Kr = 1.

Solution Method: KGS Model

Ss = 7.997E-5 ft⁻¹



MW-336 RISING 3

Data Set: C:\...\MW-336 Slug out 3 Bower-Rice.aqt

Date: 06/02/20

Time: 14:29:14

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-335

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-336)

Initial Displacement: -2. ft

Static Water Column Height: 65.65 ft

Total Well Penetration Depth: 18.59 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

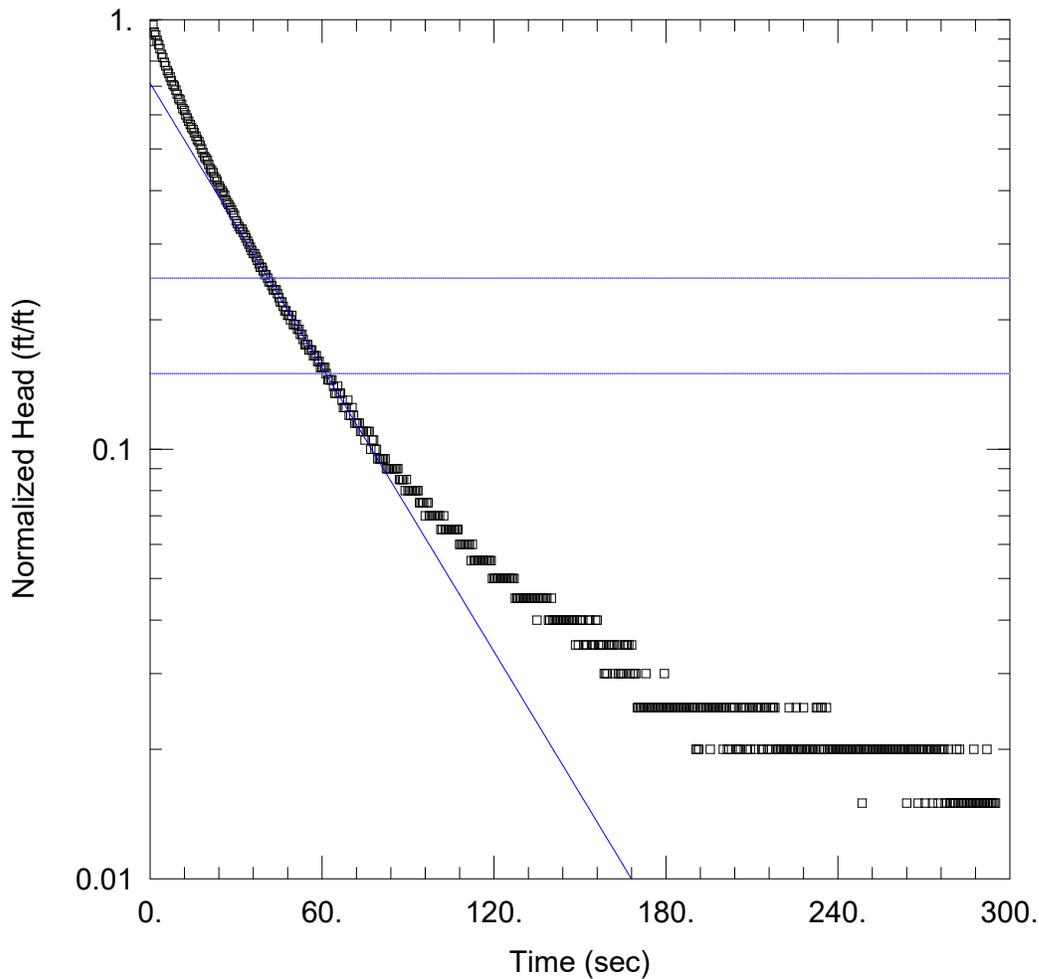
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 2.507E-5$ ft/sec

$y_0 = -1.599$ ft



MW-336 RISING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-336 Slug out_3 Hvorslev.aqt

Date: 06/02/20

Time: 14:29:50

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-335

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-336)

Initial Displacement: -2. ft

Static Water Column Height: 65.65 ft

Total Well Penetration Depth: 18.59 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

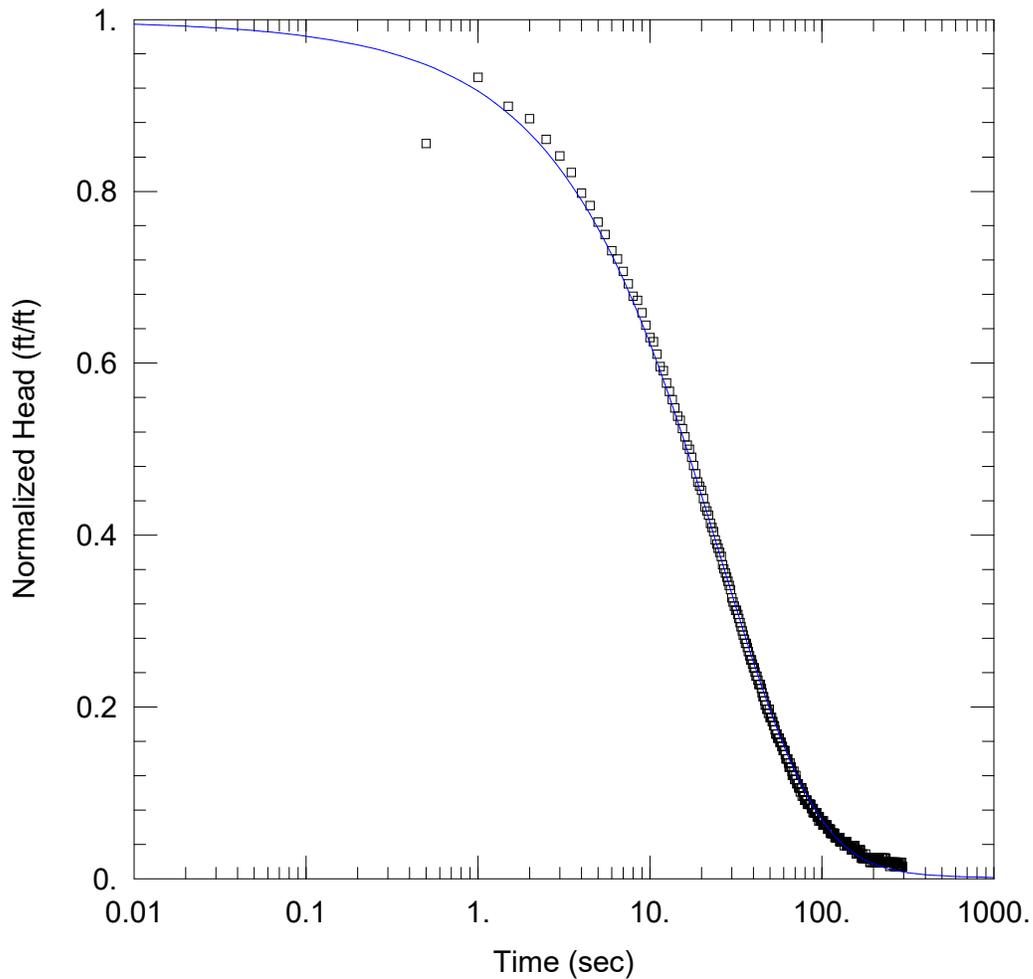
SOLUTION

Aquifer Model: Confined

Solution Method: Hvorslev

$K = 3.227E-5$ ft/sec

$y_0 = -1.422$ ft



MW-336 RISING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-336 Slug in 3 KGS.aqt
 Date: 06/01/20 Time: 08:52:34

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-335

AQUIFER DATA

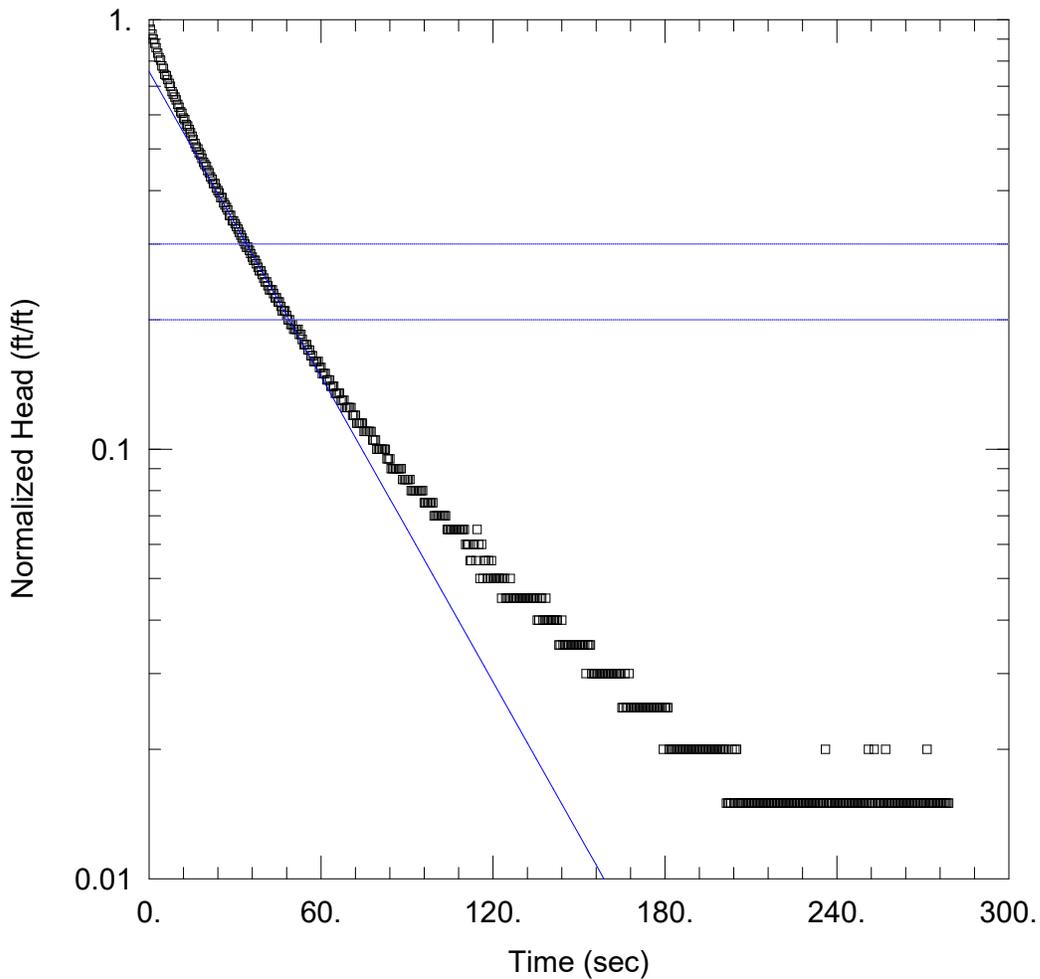
Saturated Thickness: 54. ft

WELL DATA (MW-336)

Initial Displacement: <u>-2.08 ft</u>	Static Water Column Height: <u>65.65 ft</u>
Total Well Penetration Depth: <u>18.59 ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.25 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>3.313E-5 ft/sec</u>	Ss = <u>0.0001017 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



MW-336 RISING 4

Data Set: C:\...\MW-336 Slug out 4 Bower-Rice.aqt

Date: 06/02/20

Time: 14:39:22

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-335

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-336)

Initial Displacement: -2. ft

Static Water Column Height: 65.65 ft

Total Well Penetration Depth: 18.59 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

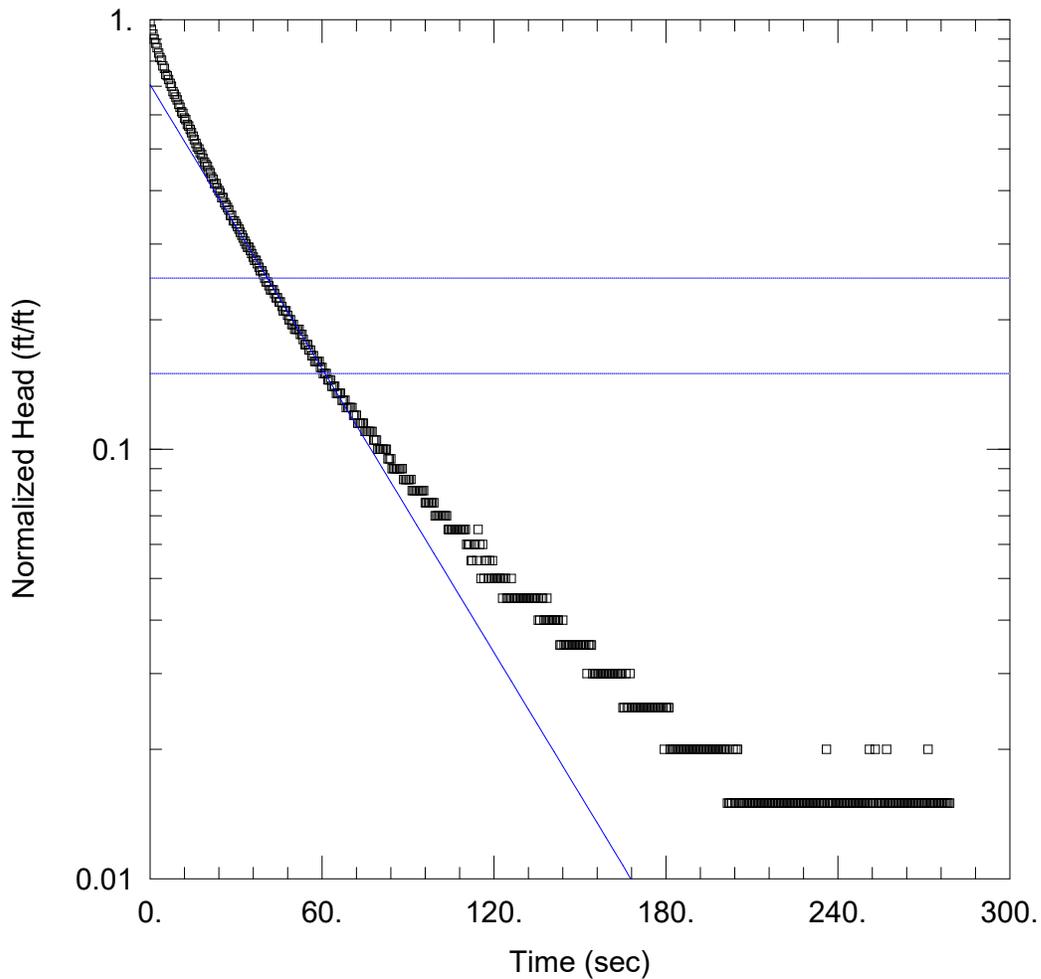
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 2.473E-5$ ft/sec

$y_0 = -1.514$ ft



MW-336 RISING 4

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-336 Slug out_4 Hvorslev.aqt

Date: 06/02/20

Time: 14:40:00

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-335

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-336)

Initial Displacement: -2. ft

Static Water Column Height: 65.65 ft

Total Well Penetration Depth: 18.59 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

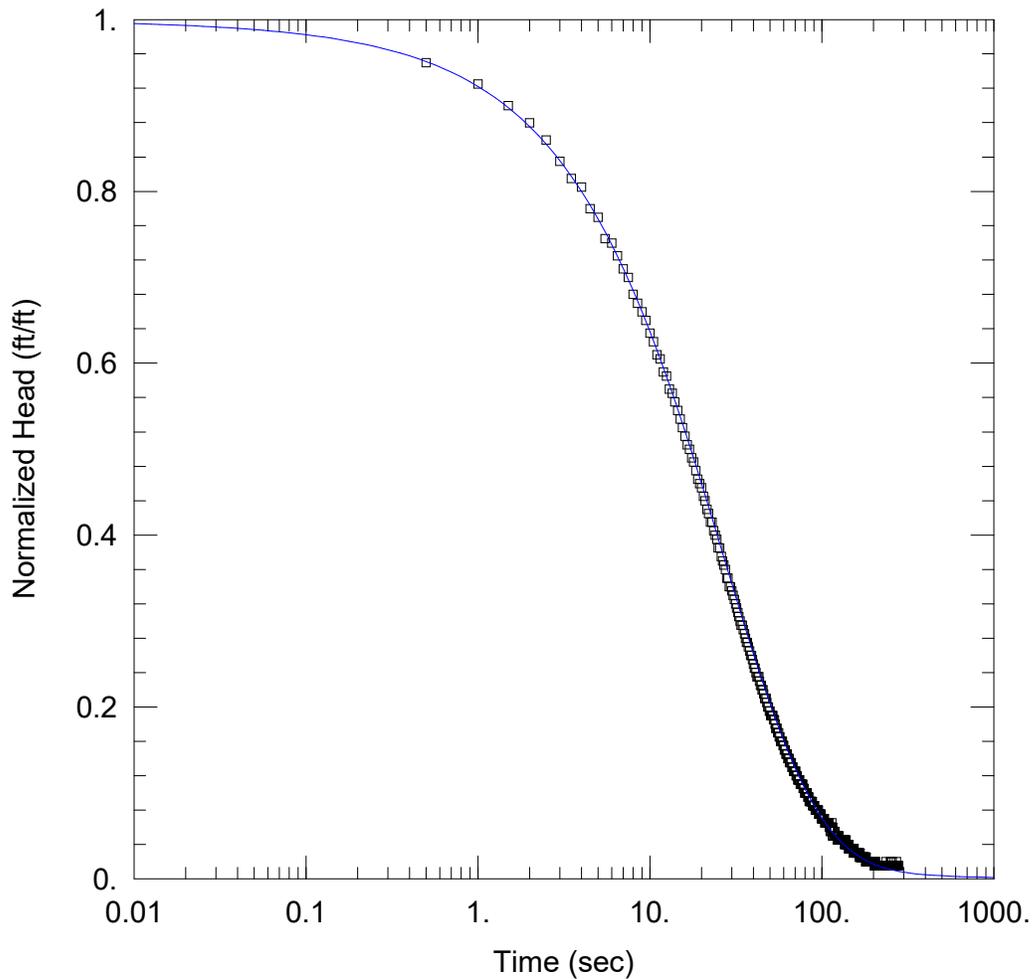
SOLUTION

Aquifer Model: Confined

Solution Method: Hvorslev

$K = 3.224E-5$ ft/sec

$y_0 = -1.41$ ft



MW-336 RISING 4

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-336 Slug out_4 KGS.aqt

Date: 06/02/20

Time: 14:41:02

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-335

AQUIFER DATA

Saturated Thickness: 54. ft

WELL DATA (MW-336)

Initial Displacement: -2. ft

Total Well Penetration Depth: 18.59 ft

Casing Radius: 0.083 ft

Static Water Column Height: 65.65 ft

Screen Length: 10. ft

Well Radius: 0.25 ft

SOLUTION

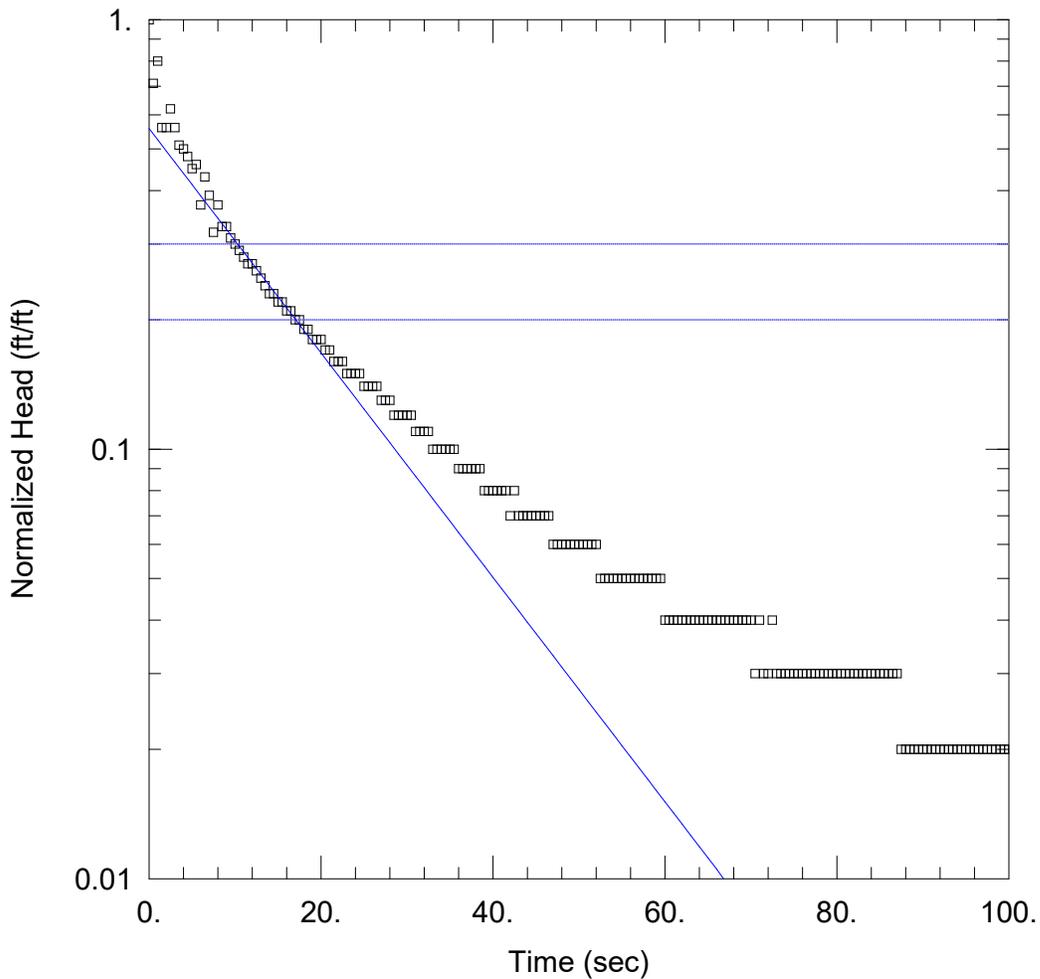
Aquifer Model: Confined

Kr = 3.267E-5 ft/sec

Kz/Kr = 1.

Solution Method: KGS Model

Ss = 8.197E-5 ft⁻¹



MW-337 FALLING 2

Data Set: C:\...\MW-337 Slug in 2 Bower-Rice.aqt

Date: 06/02/20

Time: 14:50:37

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-337

AQUIFER DATA

Saturated Thickness: 10.73 ft

Anisotropy Ratio (K_z/K_r): 1

WELL DATA (MW-337)

Initial Displacement: 1. ft

Static Water Column Height: 10.73 ft

Total Well Penetration Depth: 10. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

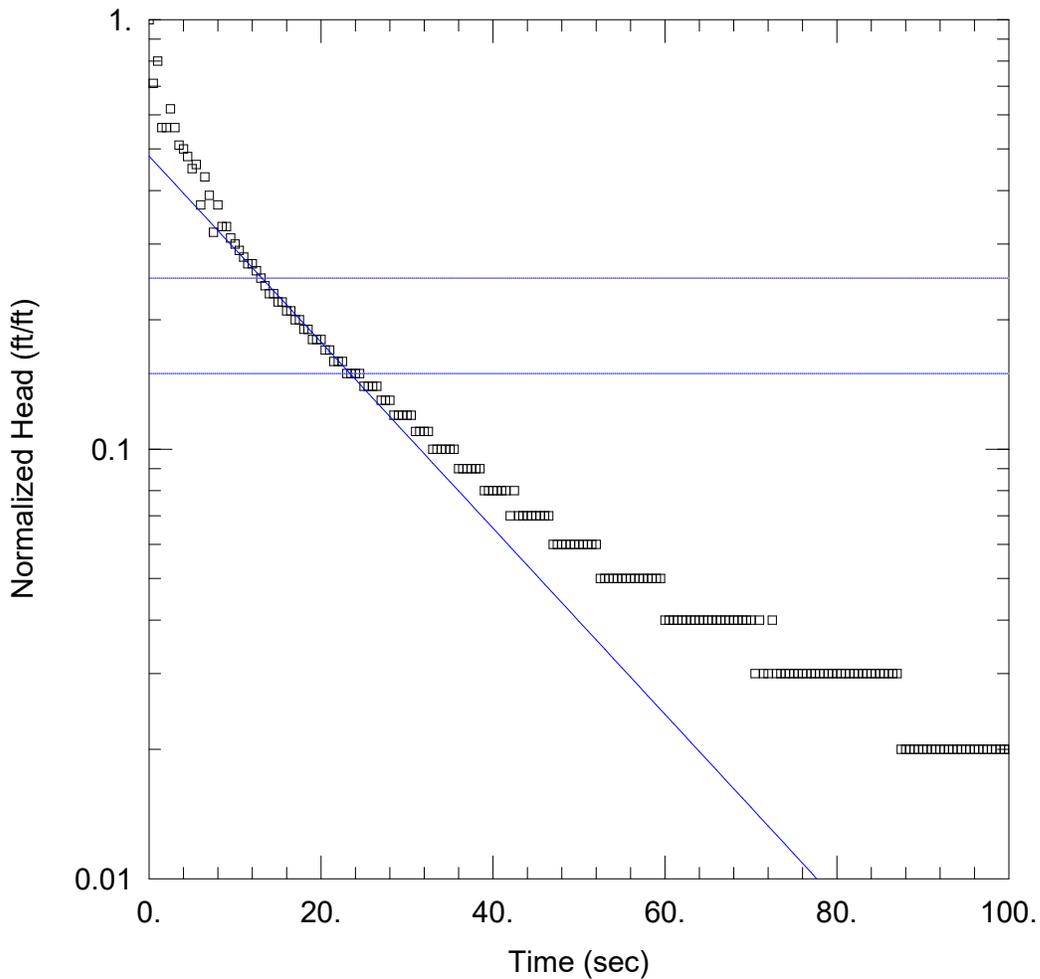
SOLUTION

Aquifer Model: Unconfined

Solution Method: Bower-Rice

$K = 5.464E-5$ ft/sec

$y_0 = 0.5576$ ft



MW-337 FALLING 2

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-337_Slug in_2 Hvorslev.aqt
 Date: 06/02/20 Time: 14:47:39

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-337

AQUIFER DATA

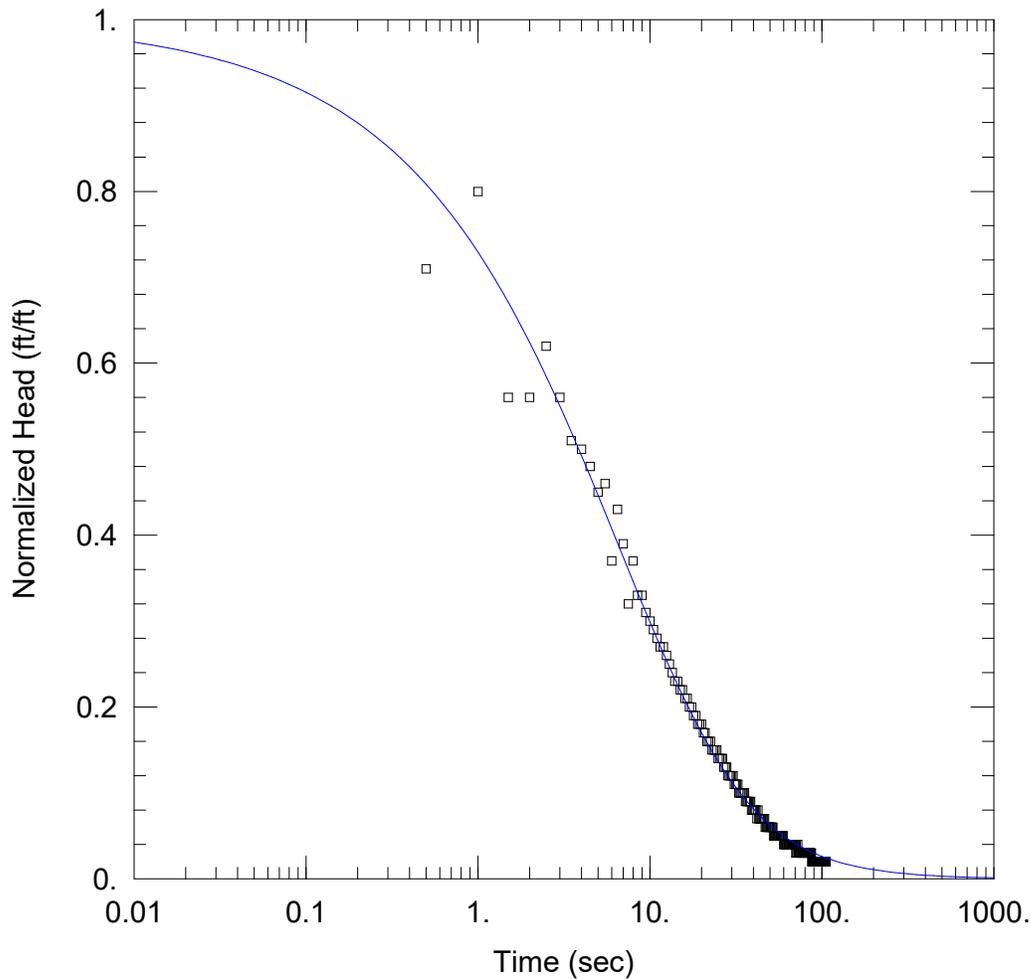
Saturated Thickness: 10.73 ft Anisotropy Ratio (K_z/K_r): 1

WELL DATA (MW-337)

Initial Displacement: 1 ft Static Water Column Height: 10.73 ft
 Total Well Penetration Depth: 10 ft Screen Length: 10 ft
 Casing Radius: 0.083 ft Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Hvorslev
 $K = 6.338E-5$ ft/sec $y_0 = 0.481$ ft



MW-337 FALLING 2

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-337_Slug in_2 KGS.aqt
 Date: 06/02/20 Time: 14:49:32

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-337

AQUIFER DATA

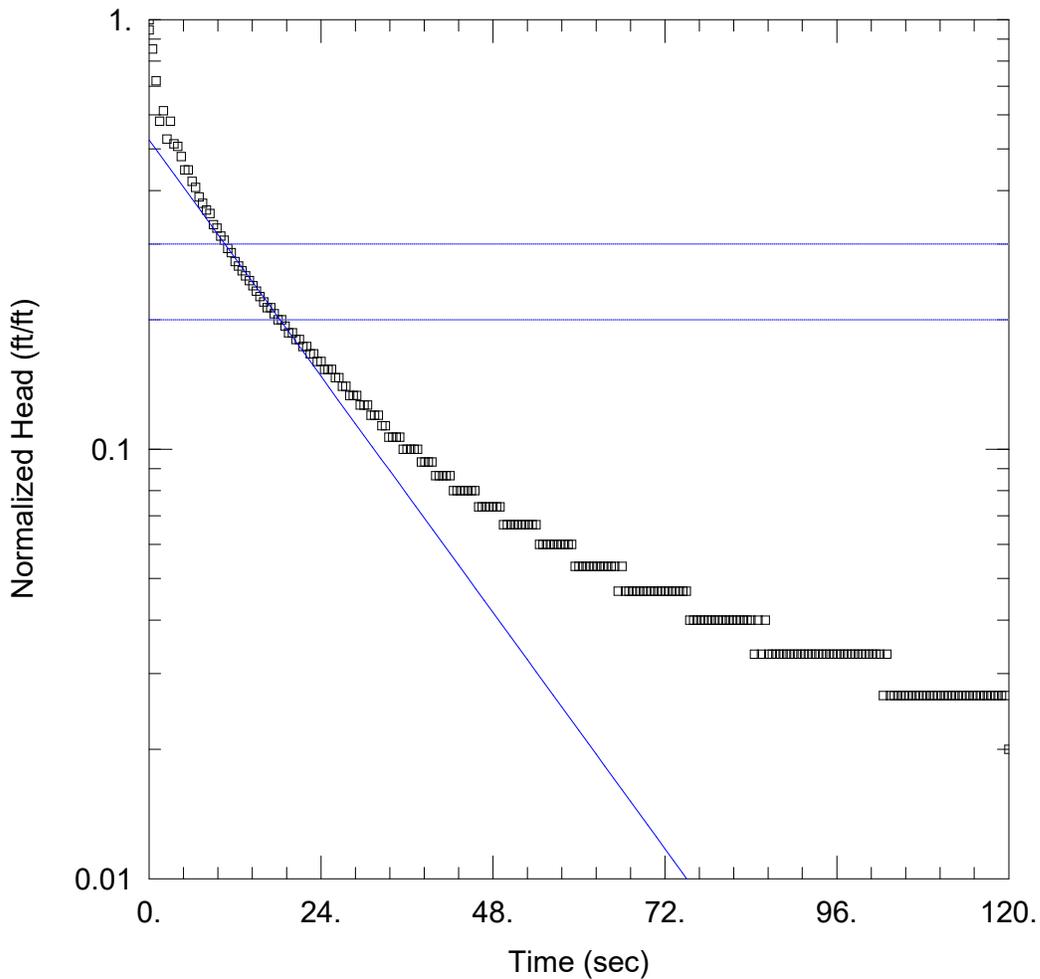
Saturated Thickness: 10.73 ft

WELL DATA (MW-337)

Initial Displacement: <u>1. ft</u>	Static Water Column Height: <u>10.73 ft</u>
Total Well Penetration Depth: <u>10. ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.25 ft</u>

SOLUTION

Aquifer Model: <u>Unconfined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>6.016E-5 ft/sec</u>	Ss = <u>0.001634 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



MW-337 FALLING 3

Data Set: C:\...\MW-337 Slug in 3 Bower-Rice.aqt

Date: 06/02/20

Time: 14:57:59

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-337

AQUIFER DATA

Saturated Thickness: 10.73 ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-337)

Initial Displacement: 1.5 ft

Static Water Column Height: 10.73 ft

Total Well Penetration Depth: 10. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

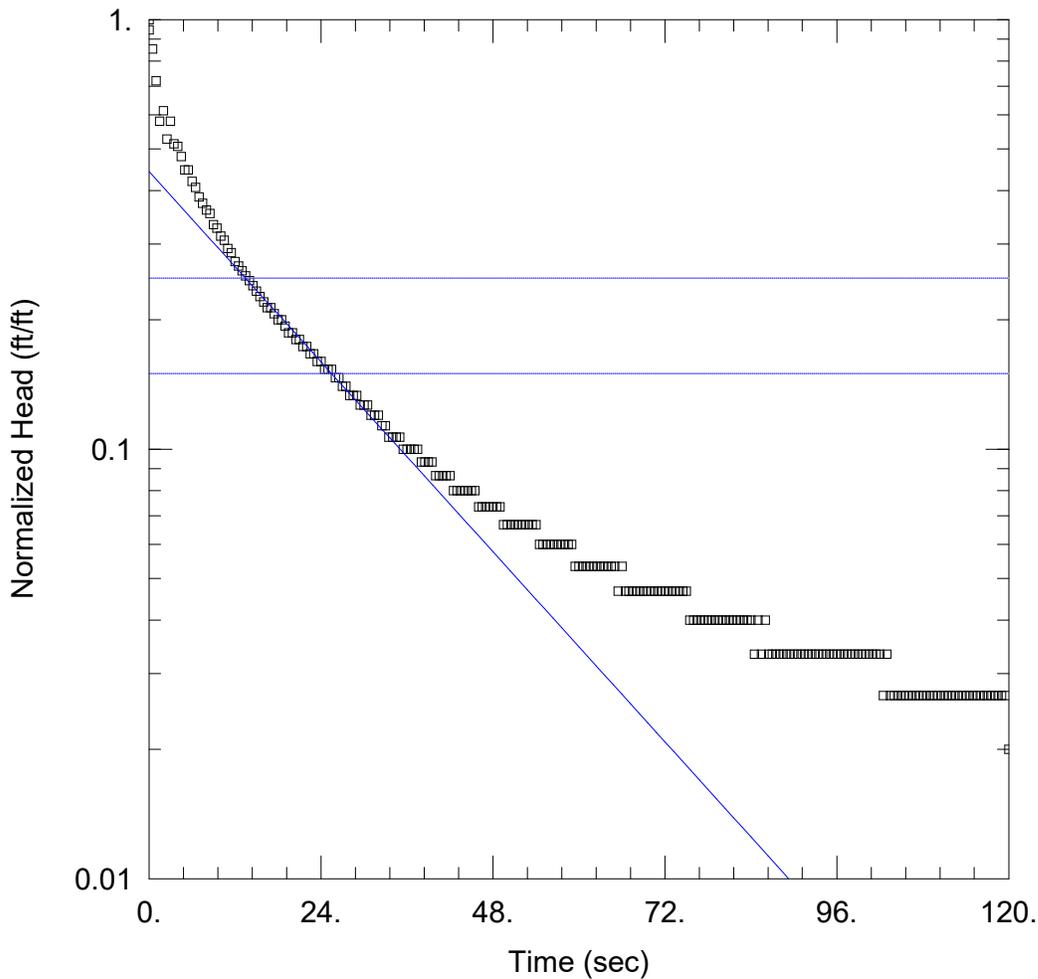
SOLUTION

Aquifer Model: Unconfined

Solution Method: Bower-Rice

$K = 4.794E-5$ ft/sec

$y_0 = 0.7871$ ft



MW-337 FALLING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-337_Slug in_3 Hvorslev.aqt
 Date: 06/02/20 Time: 14:58:37

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-337

AQUIFER DATA

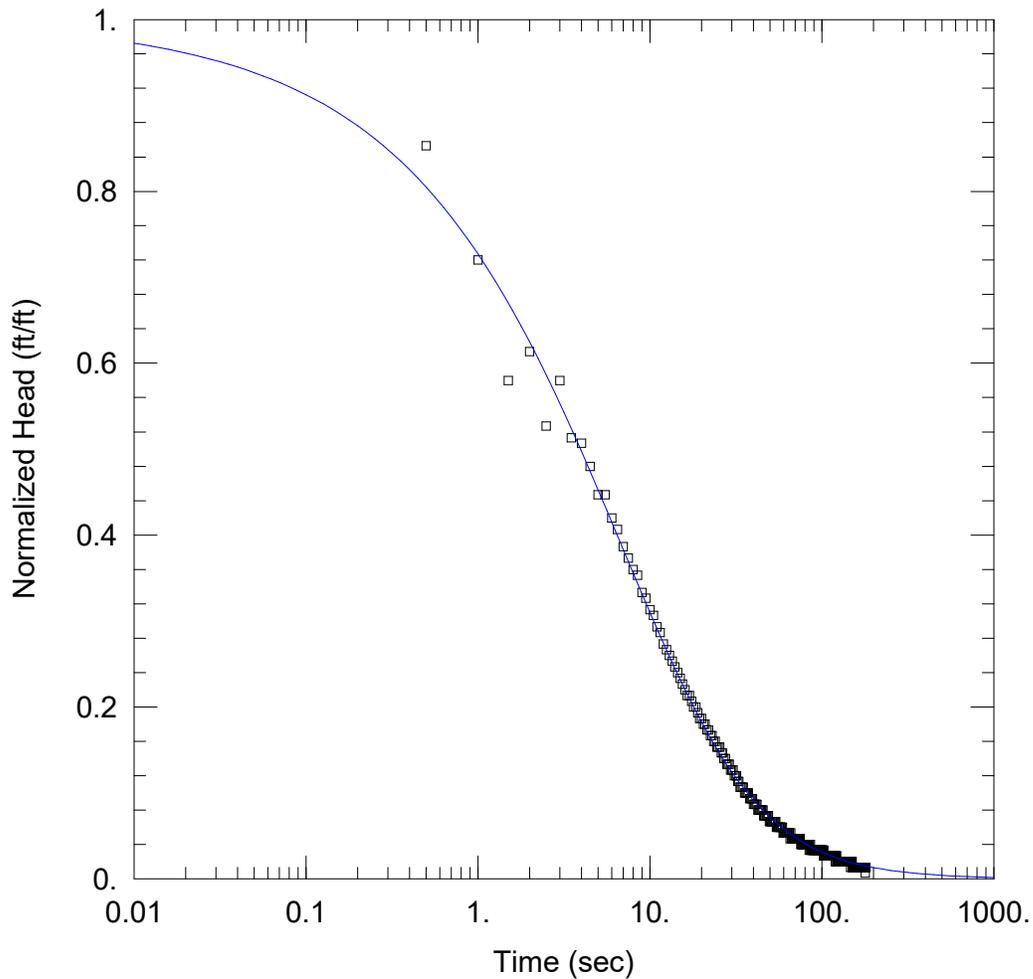
Saturated Thickness: 10.73 ft Anisotropy Ratio (K_z/K_r): 1

WELL DATA (MW-337)

Initial Displacement: 1.5 ft Static Water Column Height: 10.73 ft
 Total Well Penetration Depth: 10. ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Hvorslev
 $K = 5.395E-5$ ft/sec $y_0 = 0.6638$ ft



MW-337 FALLING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-337_Slug in_3 KGS.aqt
 Date: 06/02/20 Time: 14:59:39

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-337

AQUIFER DATA

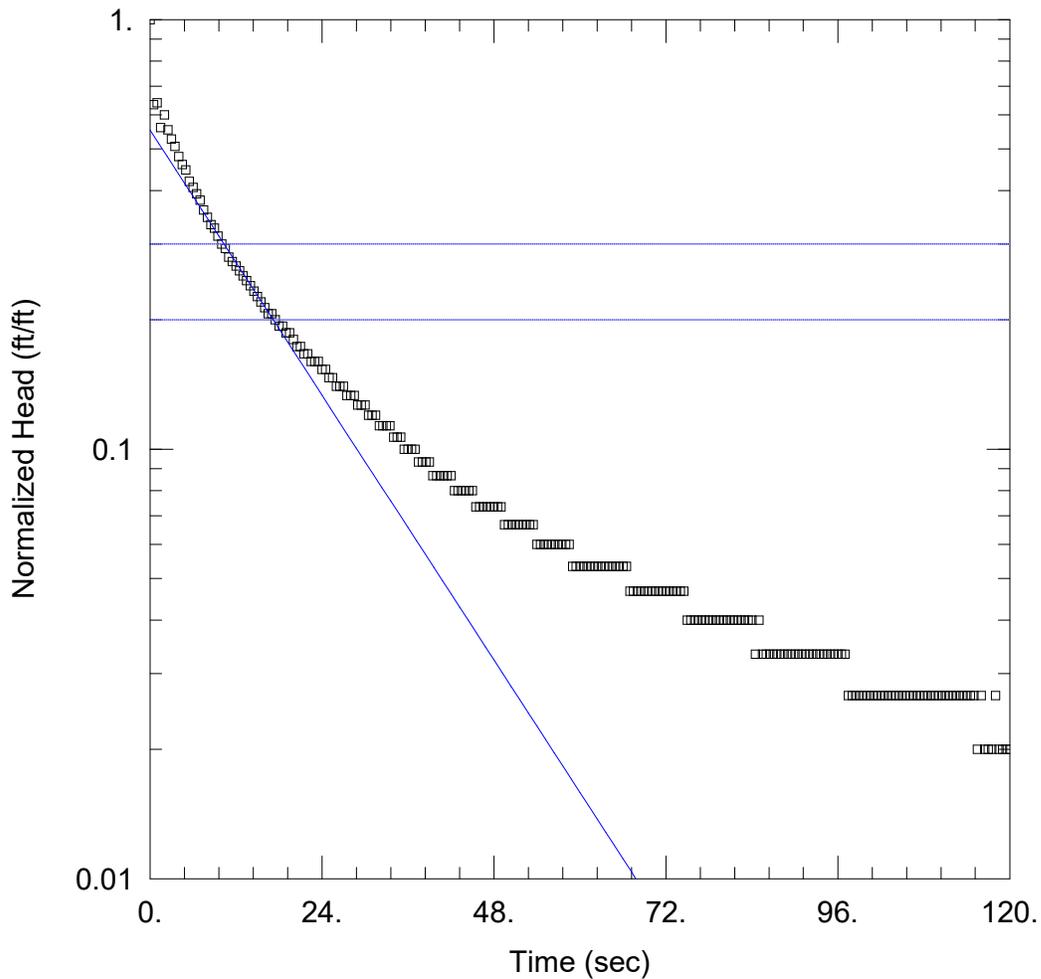
Saturated Thickness: 10.73 ft

WELL DATA (MW-337)

Initial Displacement: <u>1.5 ft</u>	Static Water Column Height: <u>10.73 ft</u>
Total Well Penetration Depth: <u>10. ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.25 ft</u>

SOLUTION

Aquifer Model: <u>Unconfined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>5.244E-5 ft/sec</u>	Ss = <u>0.002085 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



MW-337 FALLING 4

Data Set: C:\...\MW-337 Slug in 4 Bower-Rice.aqt

Date: 06/02/20

Time: 15:03:48

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-337

AQUIFER DATA

Saturated Thickness: 10.73 ft

Anisotropy Ratio (K_z/K_r): 1

WELL DATA (MW-337)

Initial Displacement: 1.5 ft

Static Water Column Height: 10.73 ft

Total Well Penetration Depth: 10. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

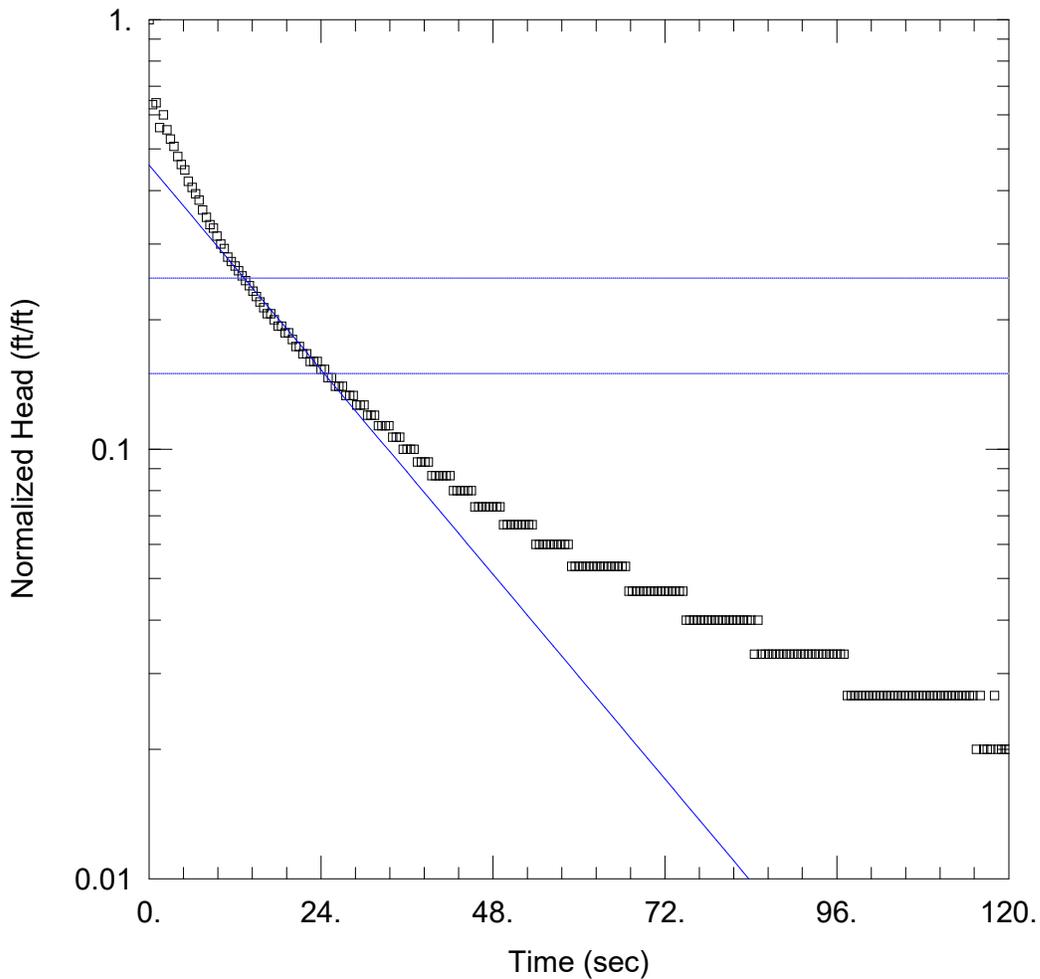
SOLUTION

Aquifer Model: Unconfined

Solution Method: Bower-Rice

$K = 5.375E-5$ ft/sec

$y_0 = 0.8292$ ft



MW-337 FALLING 4

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-337_Slug in_4 Hvorslev.aqt

Date: 06/02/20

Time: 15:04:44

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-337

AQUIFER DATA

Saturated Thickness: 10.73 ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-337)

Initial Displacement: 1.5 ft

Static Water Column Height: 10.73 ft

Total Well Penetration Depth: 10. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

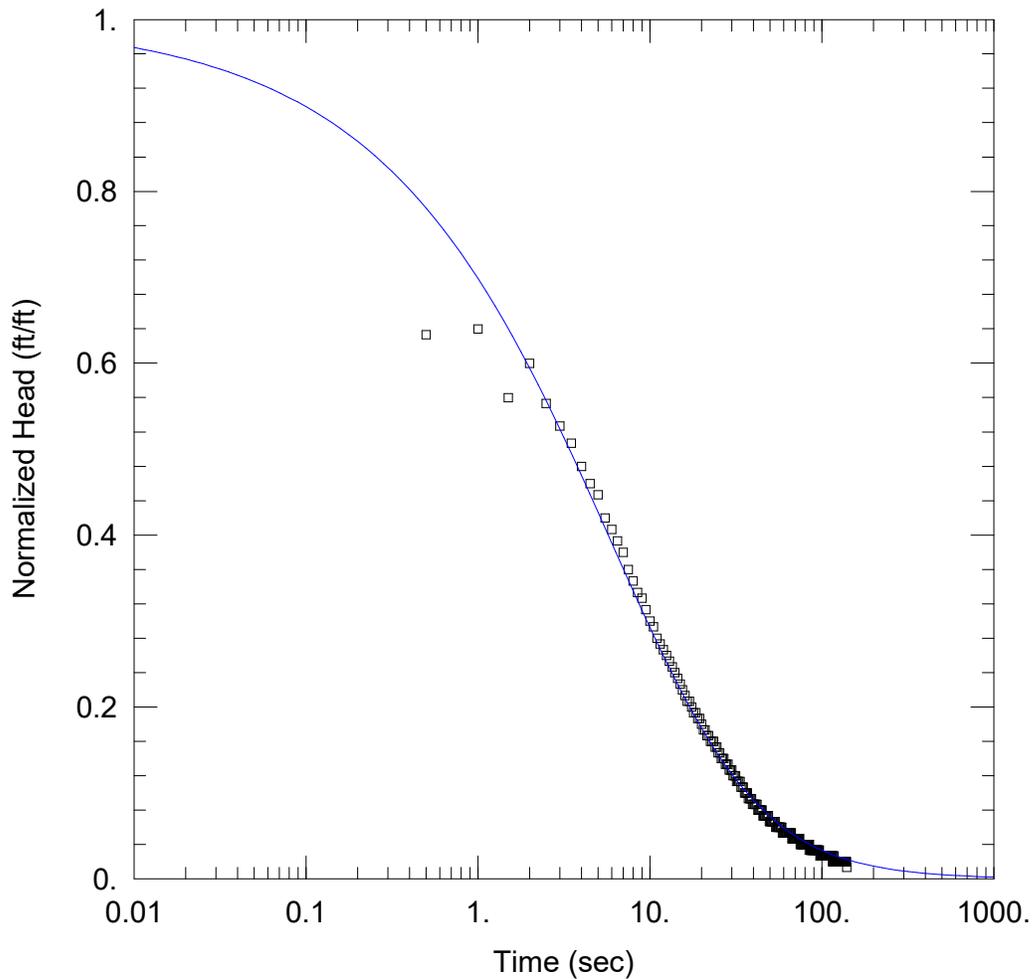
SOLUTION

Aquifer Model: Unconfined

Solution Method: Hvorslev

$K = 5.809E-5$ ft/sec

$y_0 = 0.6879$ ft



MW-337 FALLING 4

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-337_Slug in_4 KGS.aqt

Date: 06/02/20

Time: 15:05:56

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-337

AQUIFER DATA

Saturated Thickness: 10.73 ft

WELL DATA (MW-337)

Initial Displacement: 1.5 ft

Total Well Penetration Depth: 10. ft

Casing Radius: 0.083 ft

Static Water Column Height: 10.73 ft

Screen Length: 10. ft

Well Radius: 0.25 ft

SOLUTION

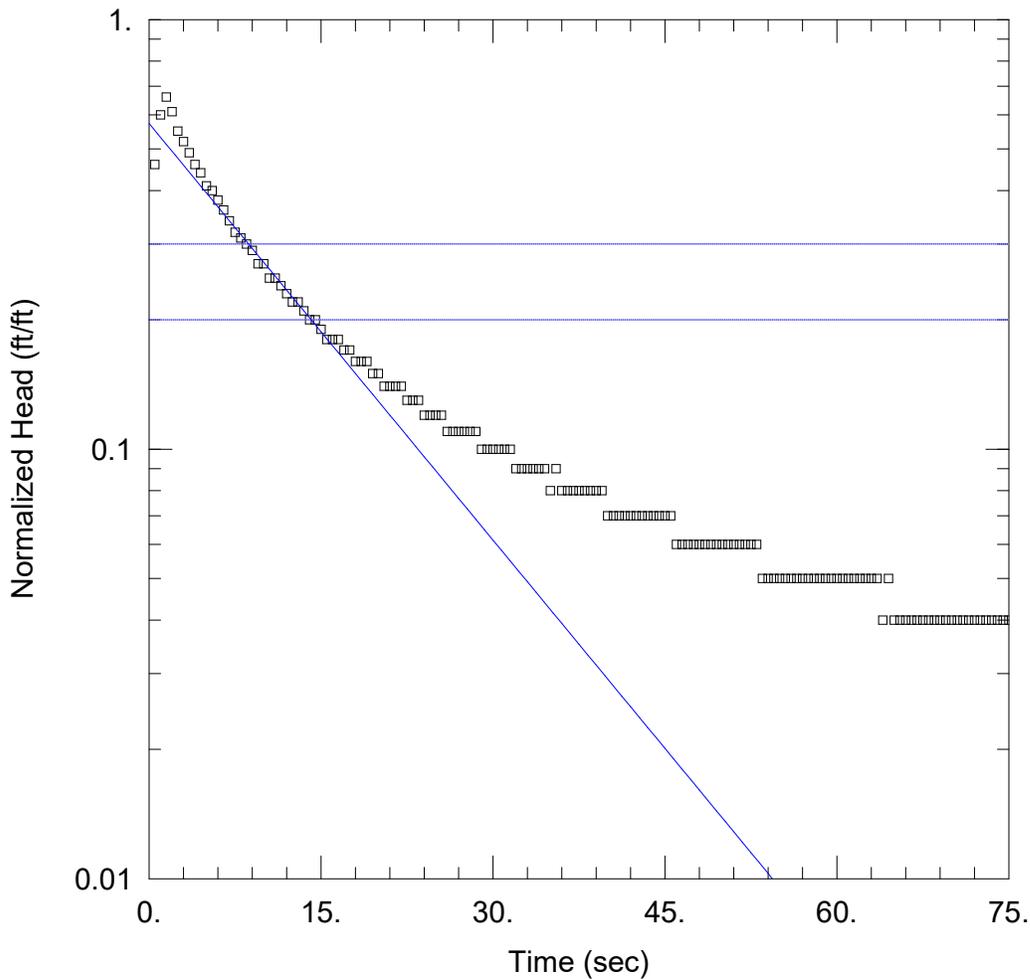
Aquifer Model: Unconfined

Kr = 4.878E-5 ft/sec

Kz/Kr = 1.

Solution Method: KGS Model

Ss = 0.0032 ft⁻¹



MW-337 RISING 2

Data Set: C:\...\MW-337 Slug out 2 Bower-Rice.aqt

Date: 06/02/20

Time: 14:53:43

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-337

AQUIFER DATA

Saturated Thickness: 10.73 ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-337)

Initial Displacement: -1. ft

Static Water Column Height: 10.73 ft

Total Well Penetration Depth: 10. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

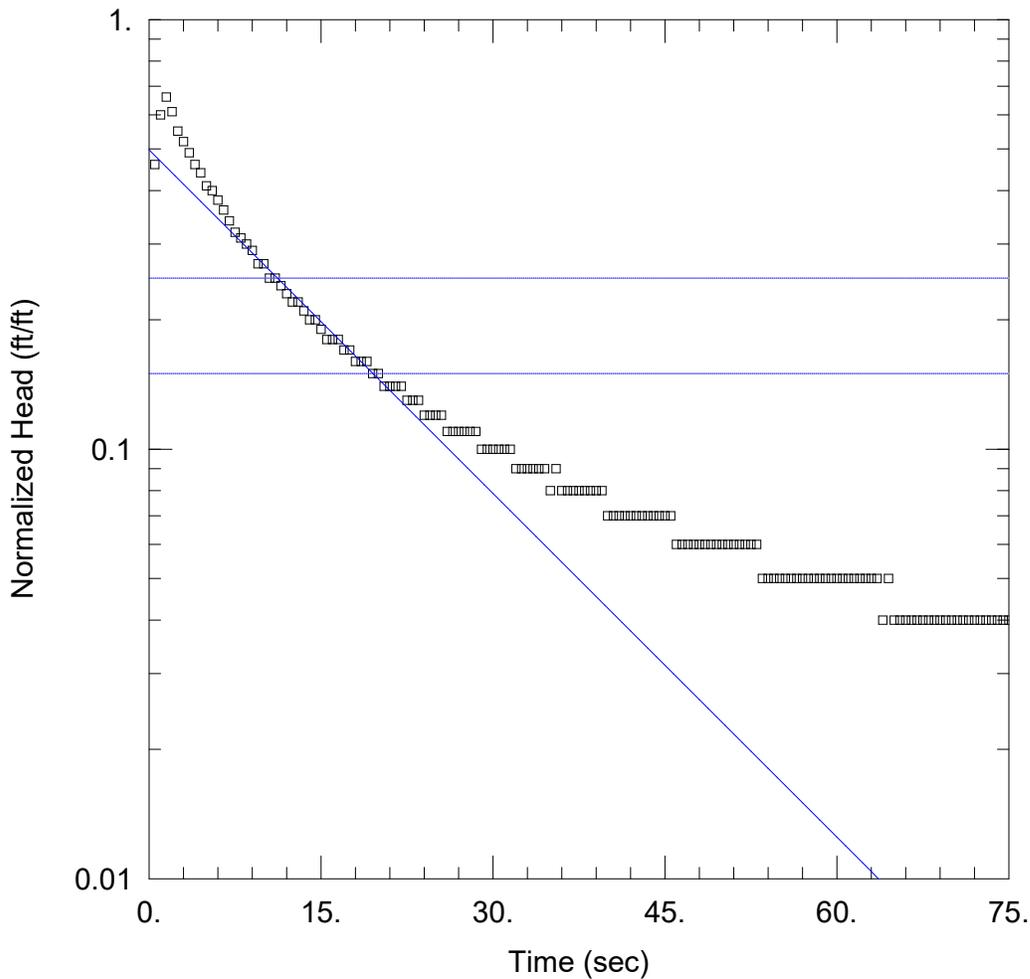
SOLUTION

Aquifer Model: Unconfined

Solution Method: Bower-Rice

$K = 6.762E-5$ ft/sec

$y_0 = -0.5728$ ft



MW-337 RISING 2

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-337_Slug out_2 Hvorslev.aqt
 Date: 06/02/20 Time: 14:56:02

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-337

AQUIFER DATA

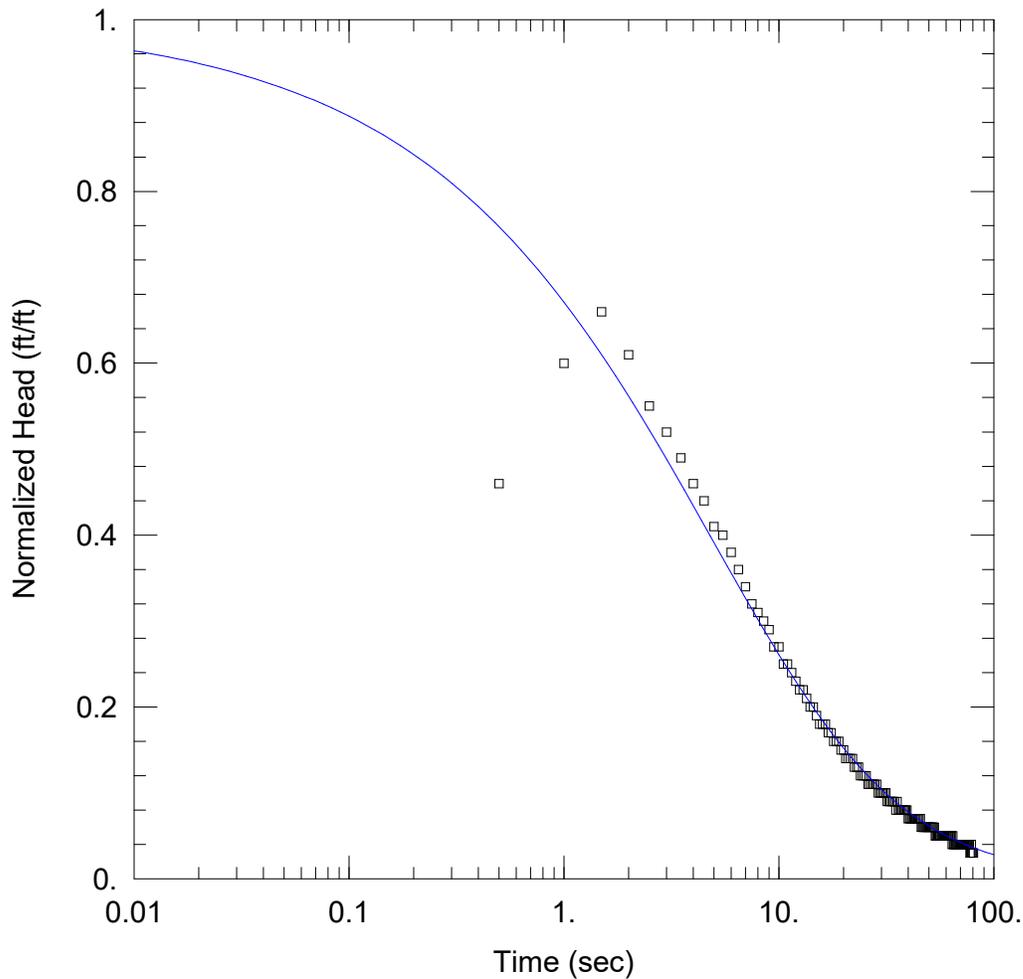
Saturated Thickness: 10.73 ft Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-337)

Initial Displacement: -1. ft Static Water Column Height: 10.73 ft
 Total Well Penetration Depth: 10. ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Hvorslev
 $K = 7.805E-5$ ft/sec $y_0 = -0.4976$ ft



MW-337 RISING 2

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-337_Slug out_2 KGS.aqt
 Date: 06/02/20 Time: 14:57:18

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-337

AQUIFER DATA

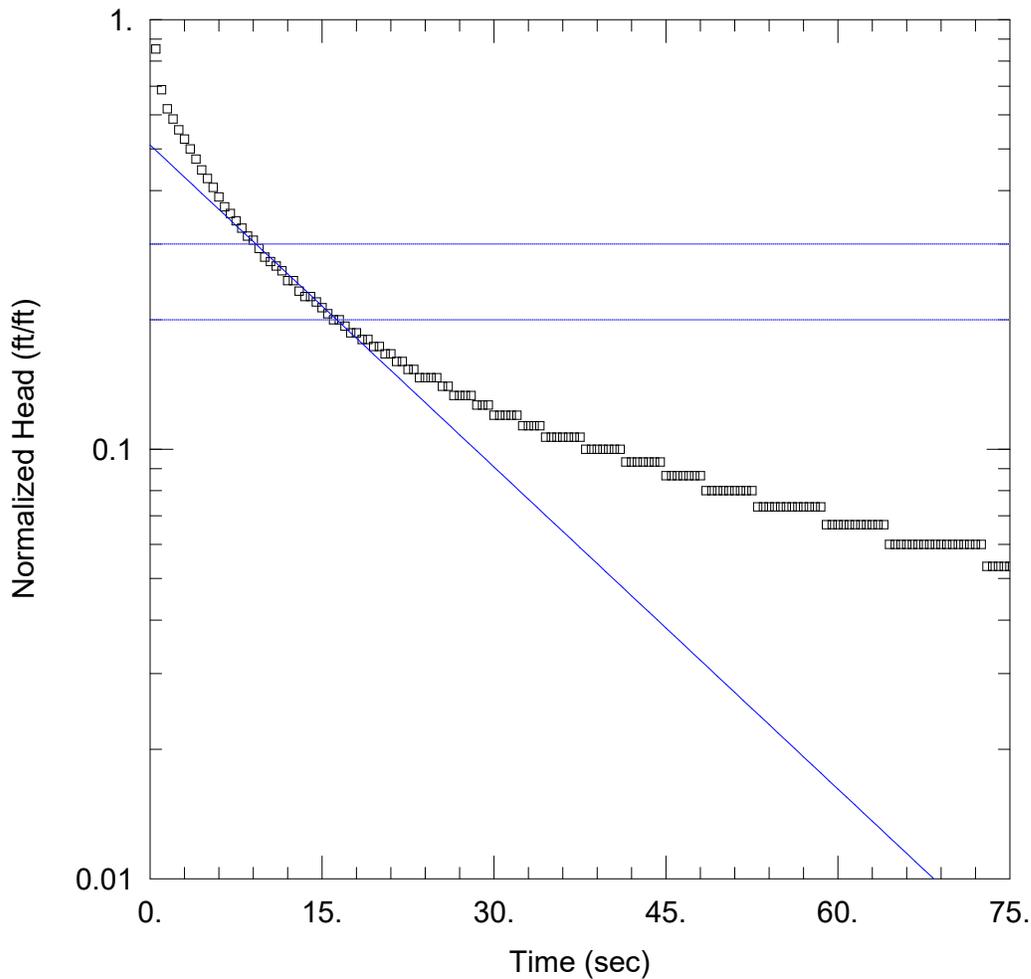
Saturated Thickness: 10.73 ft

WELL DATA (MW-337)

Initial Displacement: <u>-1. ft</u>	Static Water Column Height: <u>10.73 ft</u>
Total Well Penetration Depth: <u>10. ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.25 ft</u>

SOLUTION

Aquifer Model: <u>Unconfined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>5.617E-5 ft/sec</u>	Ss = <u>0.003478 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



MW-337 RISING 3

Data Set: C:\...\MW-337 Slug out 3 Bower-Rice.aqt

Date: 06/02/20

Time: 15:01:01

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-337

AQUIFER DATA

Saturated Thickness: 10.73 ft

Anisotropy Ratio (K_z/K_r): 1

WELL DATA (MW-337)

Initial Displacement: -1.5 ft

Static Water Column Height: 10.73 ft

Total Well Penetration Depth: 10. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

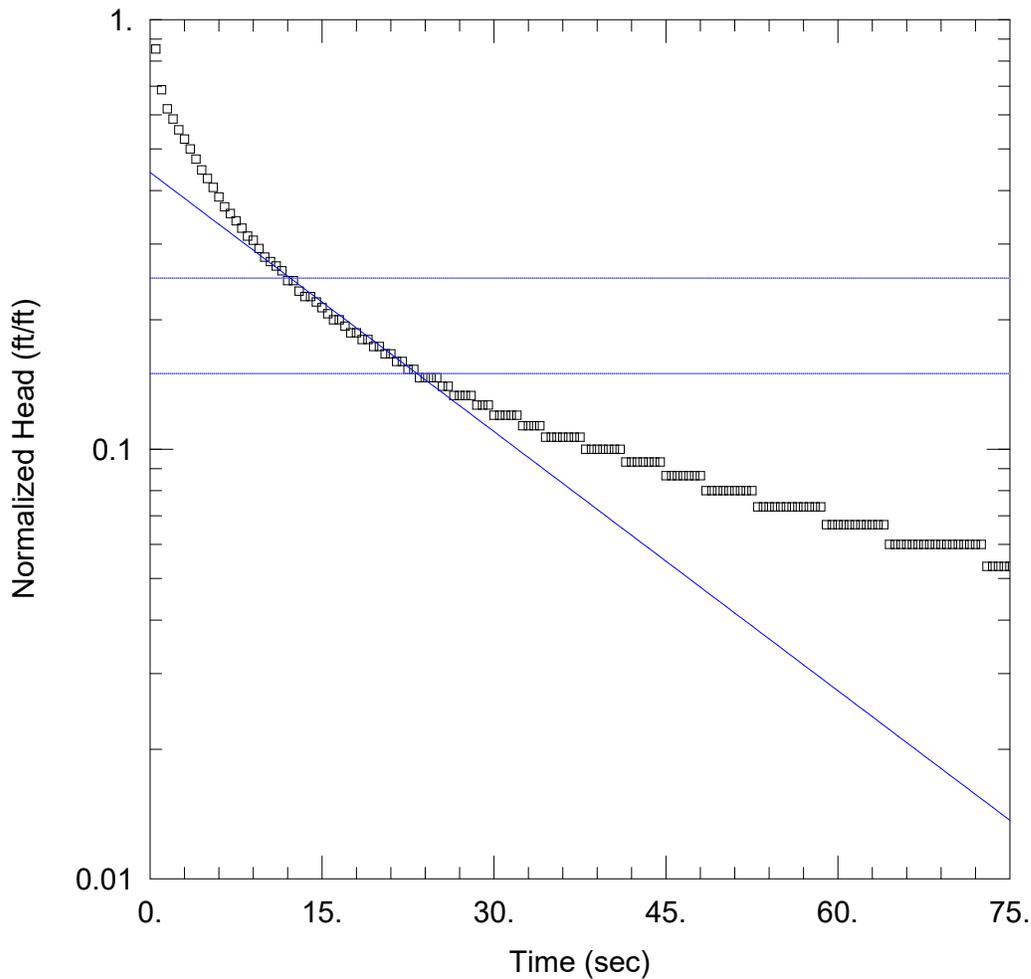
SOLUTION

Aquifer Model: Unconfined

Solution Method: Bower-Rice

$K = 5.227E-5$ ft/sec

$y_0 = -0.7658$ ft



MW-337 RISING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-337_Slug out_3 Hvorslev.aqt
 Date: 06/02/20 Time: 15:02:16

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-337

AQUIFER DATA

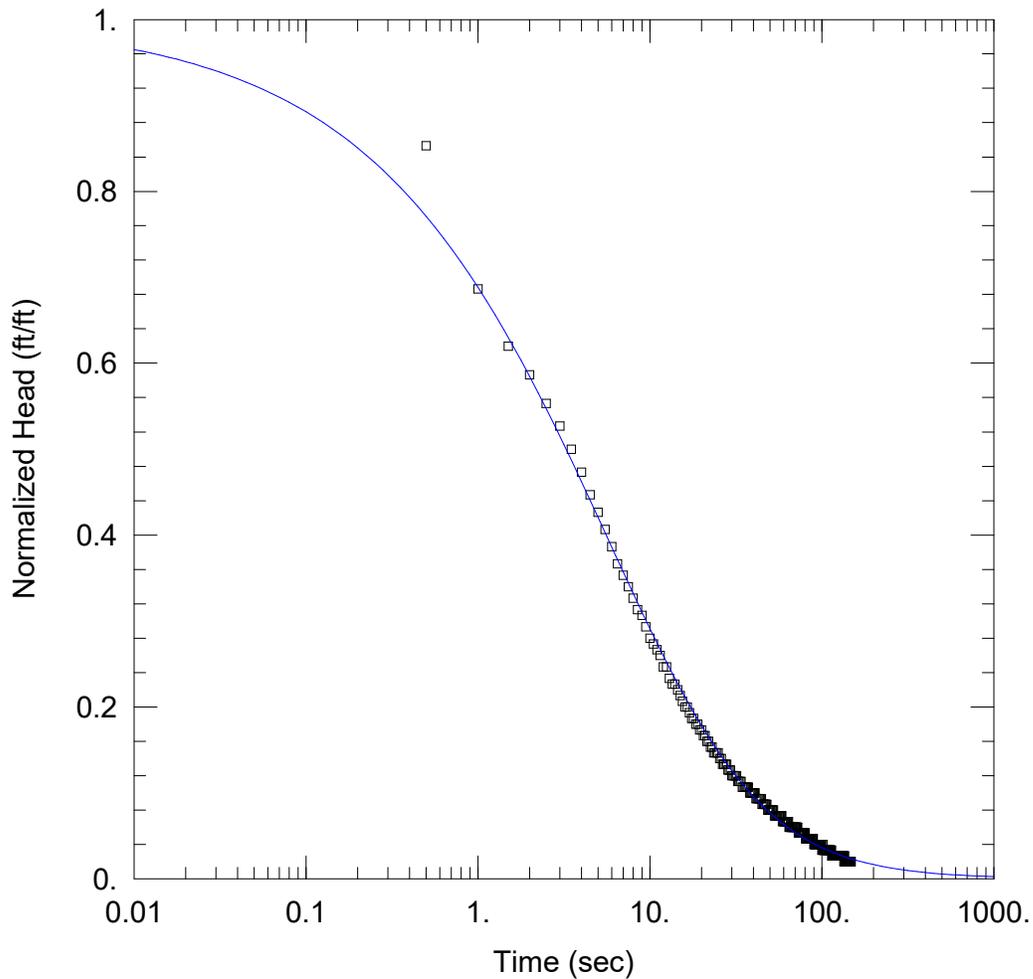
Saturated Thickness: 10.73 ft Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-337)

Initial Displacement: -1.5 ft Static Water Column Height: 10.73 ft
 Total Well Penetration Depth: 10. ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Hvorslev
 $K = 5.885E-5$ ft/sec $y_0 = -0.6609$ ft



MW-337 RISING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-337_Slug out_3 KGS.aqt
 Date: 06/02/20 Time: 15:03:13

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-337

AQUIFER DATA

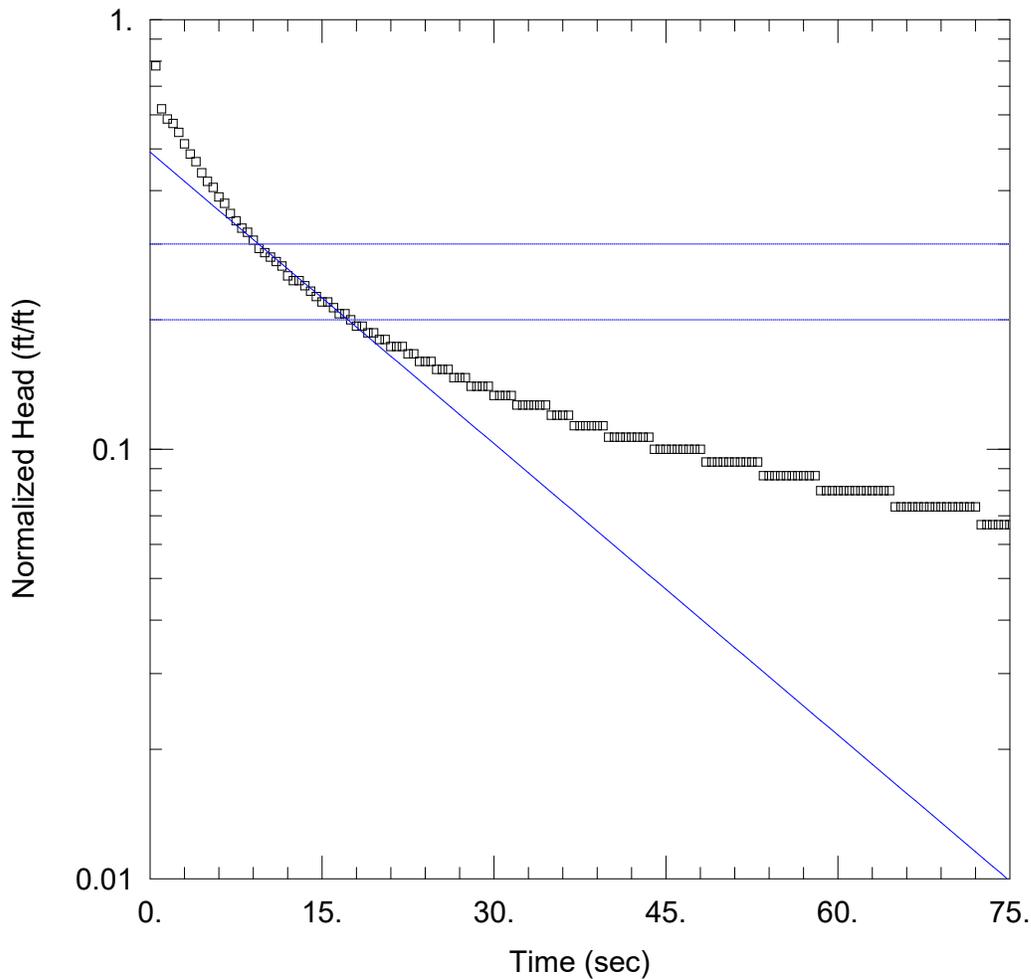
Saturated Thickness: 10.73 ft

WELL DATA (MW-337)

Initial Displacement: <u>-1.5 ft</u>	Static Water Column Height: <u>10.73 ft</u>
Total Well Penetration Depth: <u>10. ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.25 ft</u>

SOLUTION

Aquifer Model: <u>Unconfined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>4.454E-5 ft/sec</u>	Ss = <u>0.004051 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



MW-337 RISING 4

Data Set: C:\...\MW-337 Slug out 4 Bower-Rice.aqt

Date: 06/02/20

Time: 15:07:10

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-337

AQUIFER DATA

Saturated Thickness: 10.73 ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-337)

Initial Displacement: -1.5 ft

Static Water Column Height: 10.73 ft

Total Well Penetration Depth: 10. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

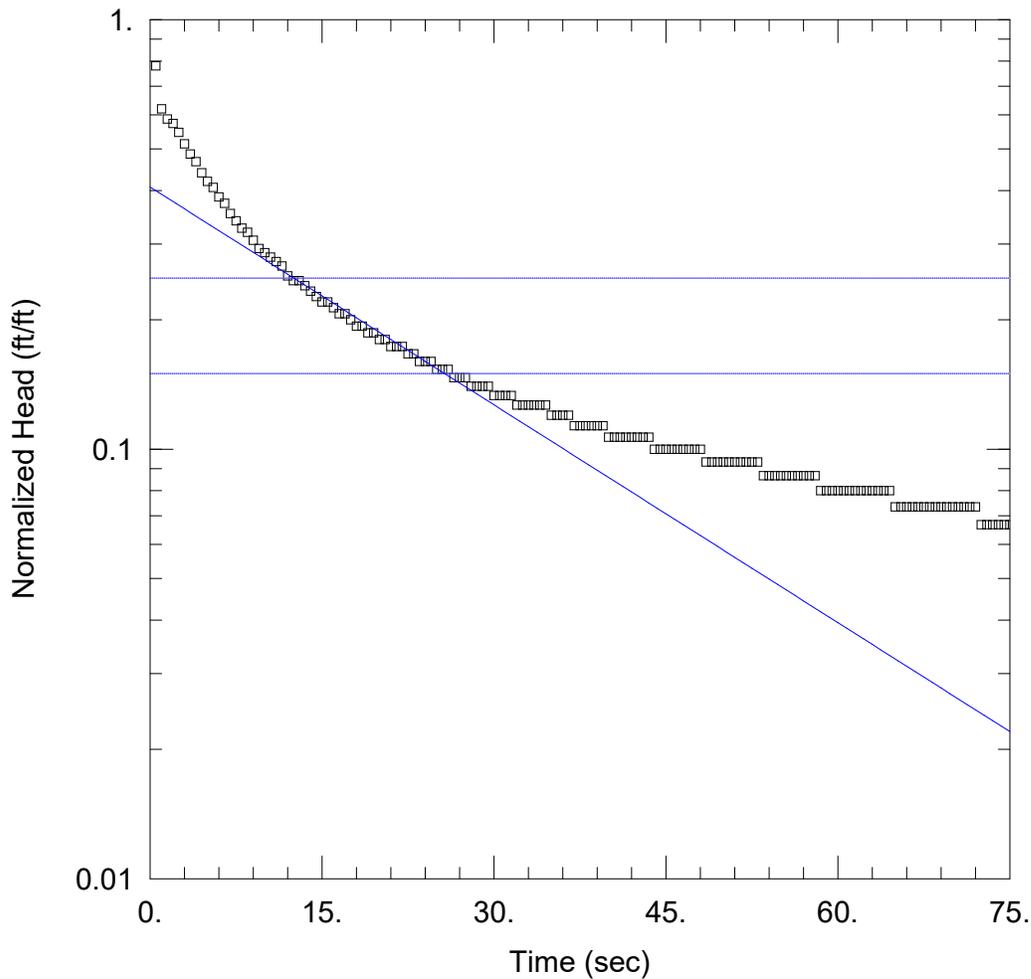
SOLUTION

Aquifer Model: Unconfined

Solution Method: Bower-Rice

$K = 4.731E-5$ ft/sec

$y_0 = -0.7368$ ft



MW-337 RISING 4

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-337_Slug out_4 Hvorslev.aqt

Date: 06/02/20

Time: 15:08:13

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-337

AQUIFER DATA

Saturated Thickness: 10.73 ft

Anisotropy Ratio (K_z/K_r): 1

WELL DATA (MW-337)

Initial Displacement: -1.5 ft

Static Water Column Height: 10.73 ft

Total Well Penetration Depth: 10. ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

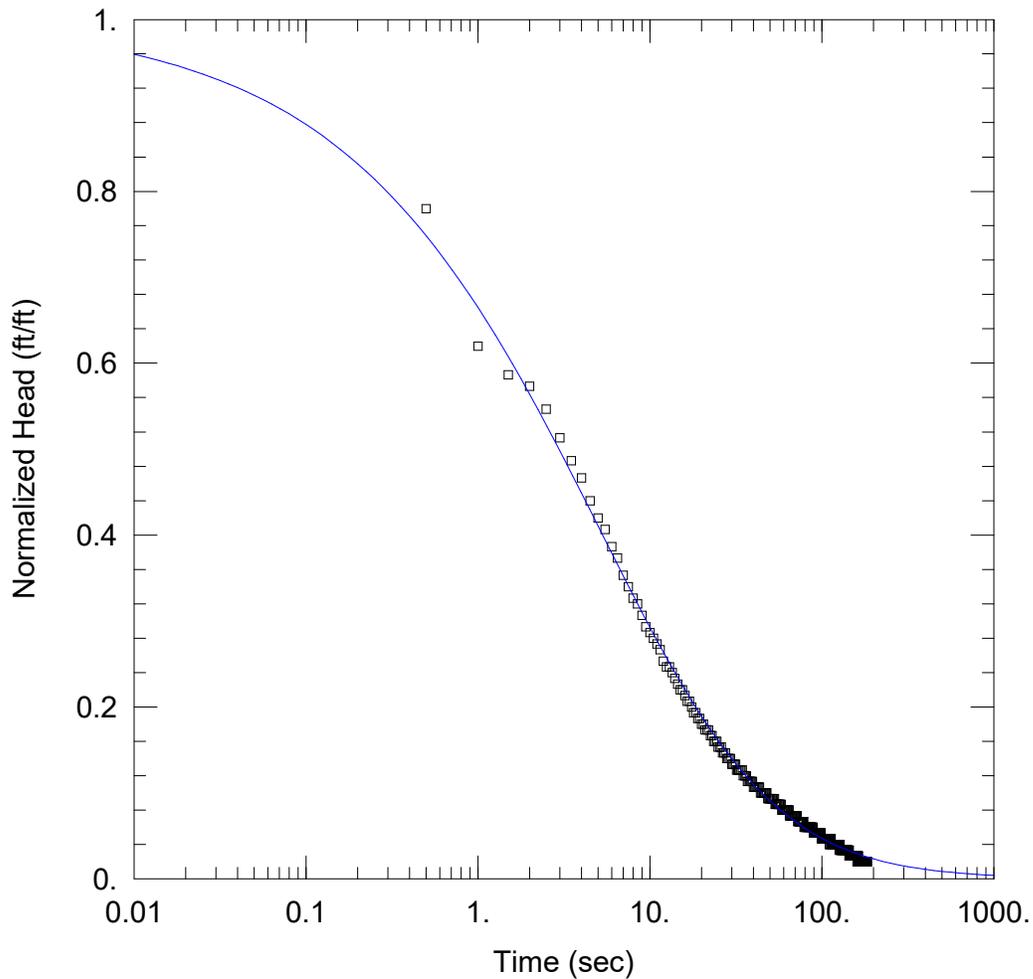
SOLUTION

Aquifer Model: Unconfined

Solution Method: Hvorslev

$K = 4.946E-5$ ft/sec

$y_0 = -0.6111$ ft



MW-337 RISING 4

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-337_Slug out_4 KGS.aqt
 Date: 06/02/20 Time: 15:09:24

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-337

AQUIFER DATA

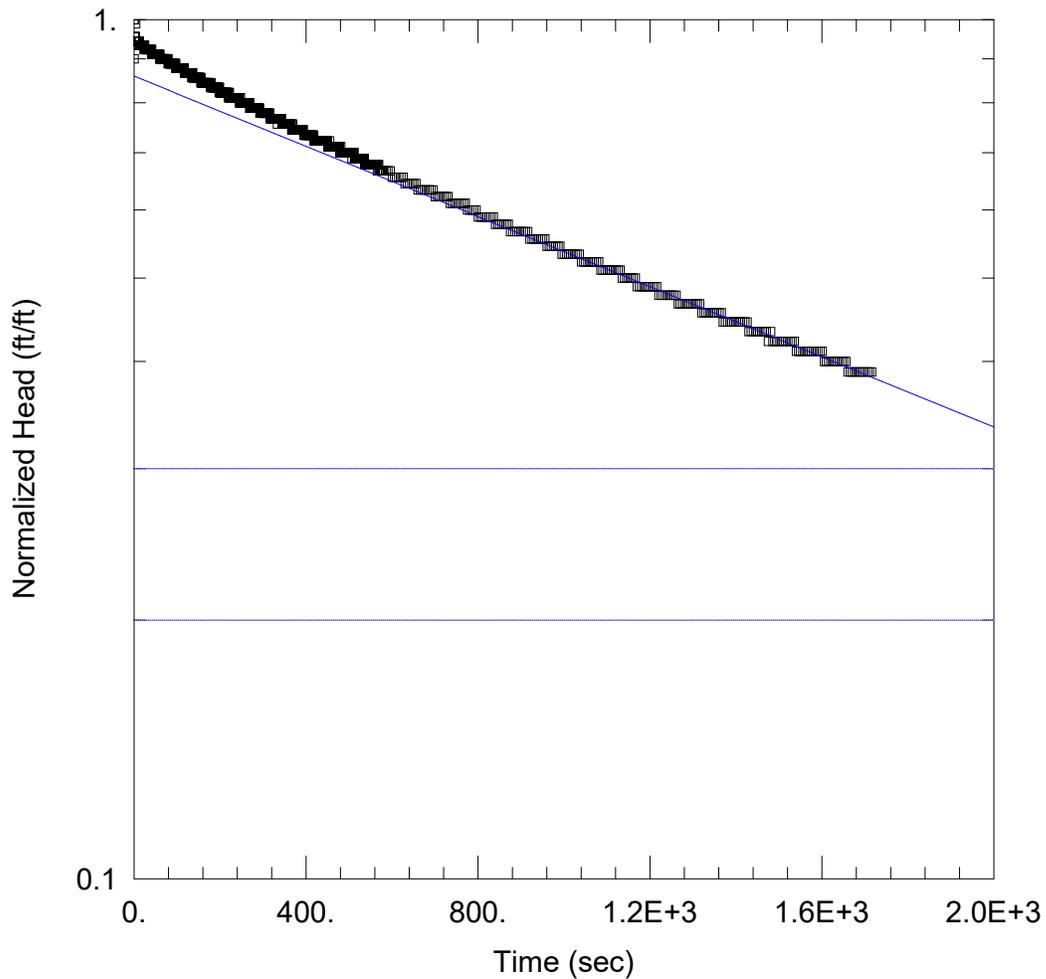
Saturated Thickness: 10.73 ft

WELL DATA (MW-337)

Initial Displacement: <u>-1.5 ft</u>	Static Water Column Height: <u>10.73 ft</u>
Total Well Penetration Depth: <u>10. ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.25 ft</u>

SOLUTION

Aquifer Model: <u>Unconfined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>3.227E-5 ft/sec</u>	Ss = <u>0.007754 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



WELL TEST ANALYSIS

Data Set: C:\...\MW-338 Slug in 2 Bower-Rice.aqt

Date: 06/01/20

Time: 17:19:20

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-338

AQUIFER DATA

Saturated Thickness: 30. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-338)

Initial Displacement: 0.9 ft

Static Water Column Height: 38.25 ft

Total Well Penetration Depth: 11.31 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

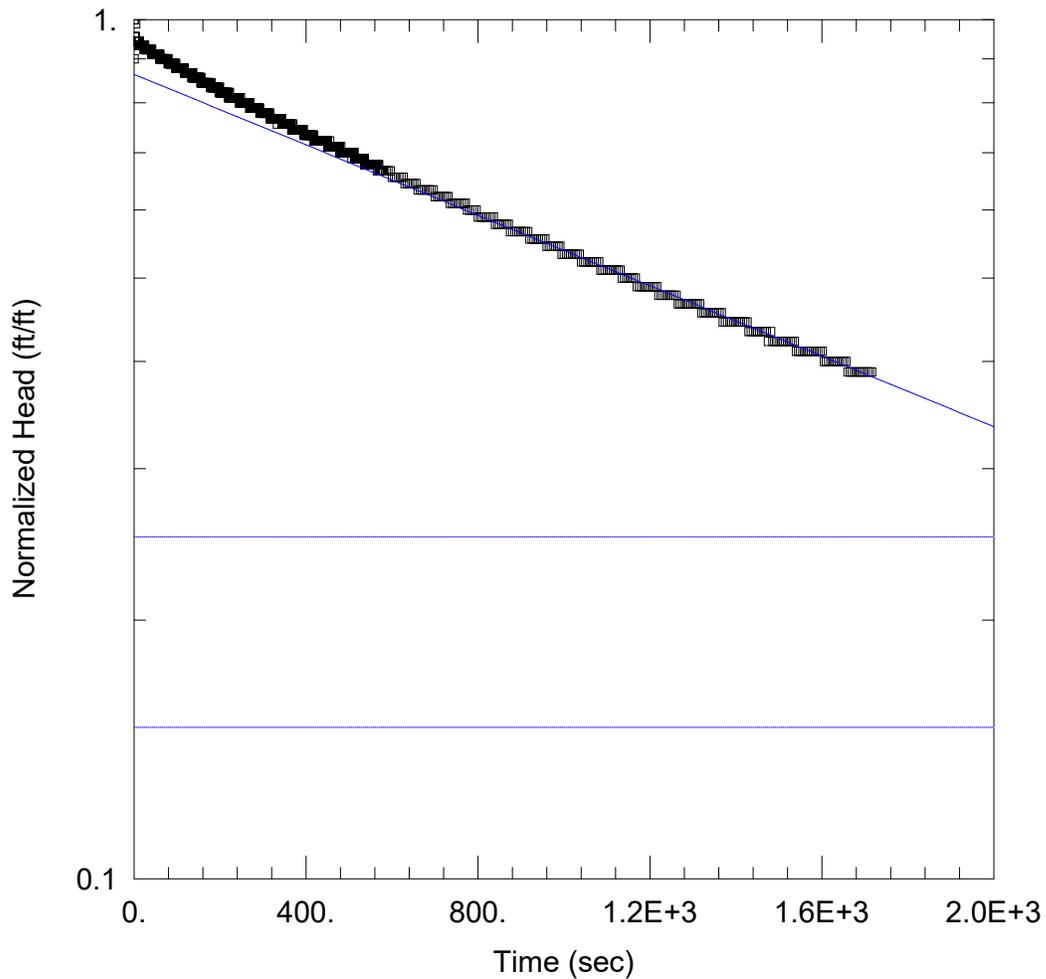
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 3.991E-7$ ft/sec

$y_0 = 0.7733$ ft



MW-338 FALLING 2

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-338 Slug in_2 Hvorslev.aqt
 Date: 06/01/20 Time: 17:21:35

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-338

AQUIFER DATA

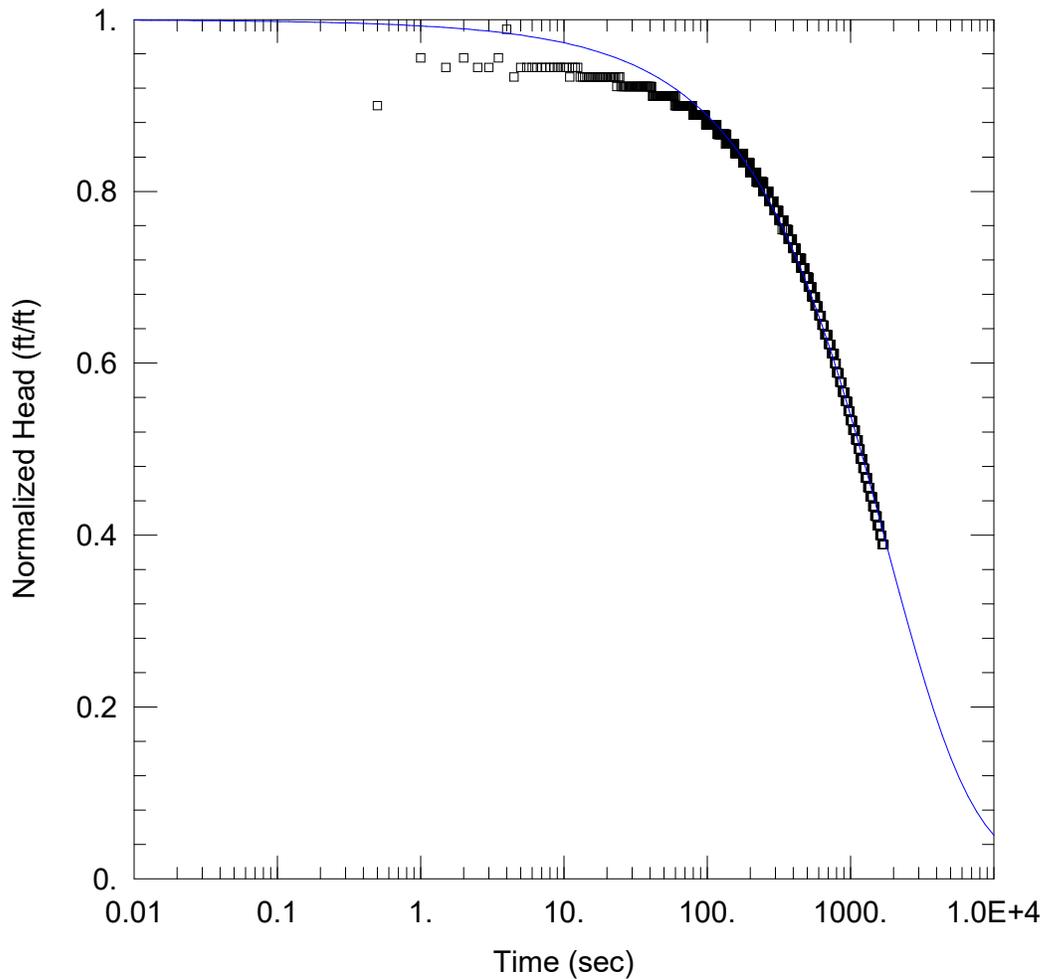
Saturated Thickness: 30. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-338)

Initial Displacement: 0.9 ft Static Water Column Height: 38.25 ft
 Total Well Penetration Depth: 11.31 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 K = 5.998E-7 ft/sec y0 = 0.7769 ft



MW-338 FALLING 2

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-338 Slug in 2 KGS.aqt
 Date: 06/01/20 Time: 17:23:18

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-338

AQUIFER DATA

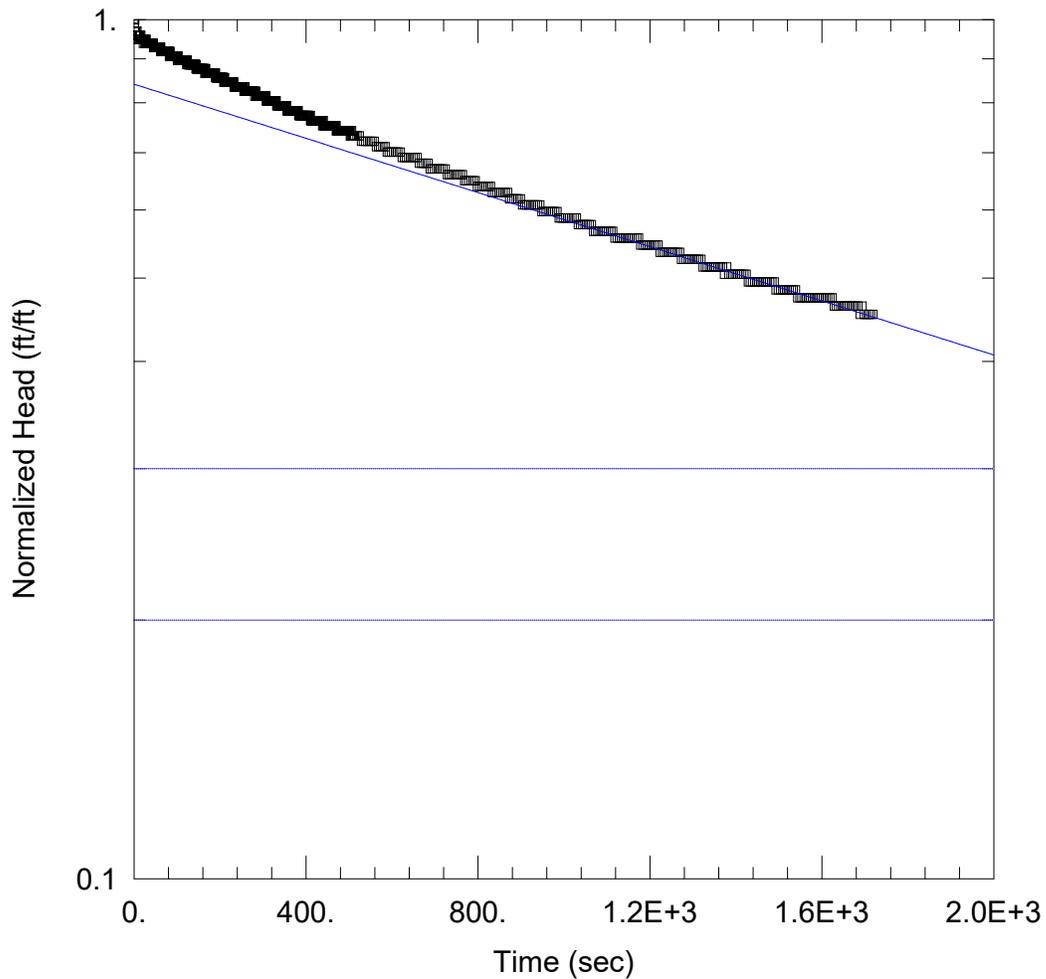
Saturated Thickness: 30. ft

WELL DATA (MW-338)

Initial Displacement: <u>0.9 ft</u>	Static Water Column Height: <u>38.25 ft</u>
Total Well Penetration Depth: <u>11.31 ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.25 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>4.212E-7 ft/sec</u>	Ss = <u>0.0001671 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



MW-338 FALLING 3

Data Set: C:\...\MW-338 Slug in 3 Bower-Rice.aqt

Date: 06/02/20

Time: 08:32:25

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-338

AQUIFER DATA

Saturated Thickness: 30. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-338)

Initial Displacement: 0.97 ft

Static Water Column Height: 38.25 ft

Total Well Penetration Depth: 11.31 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

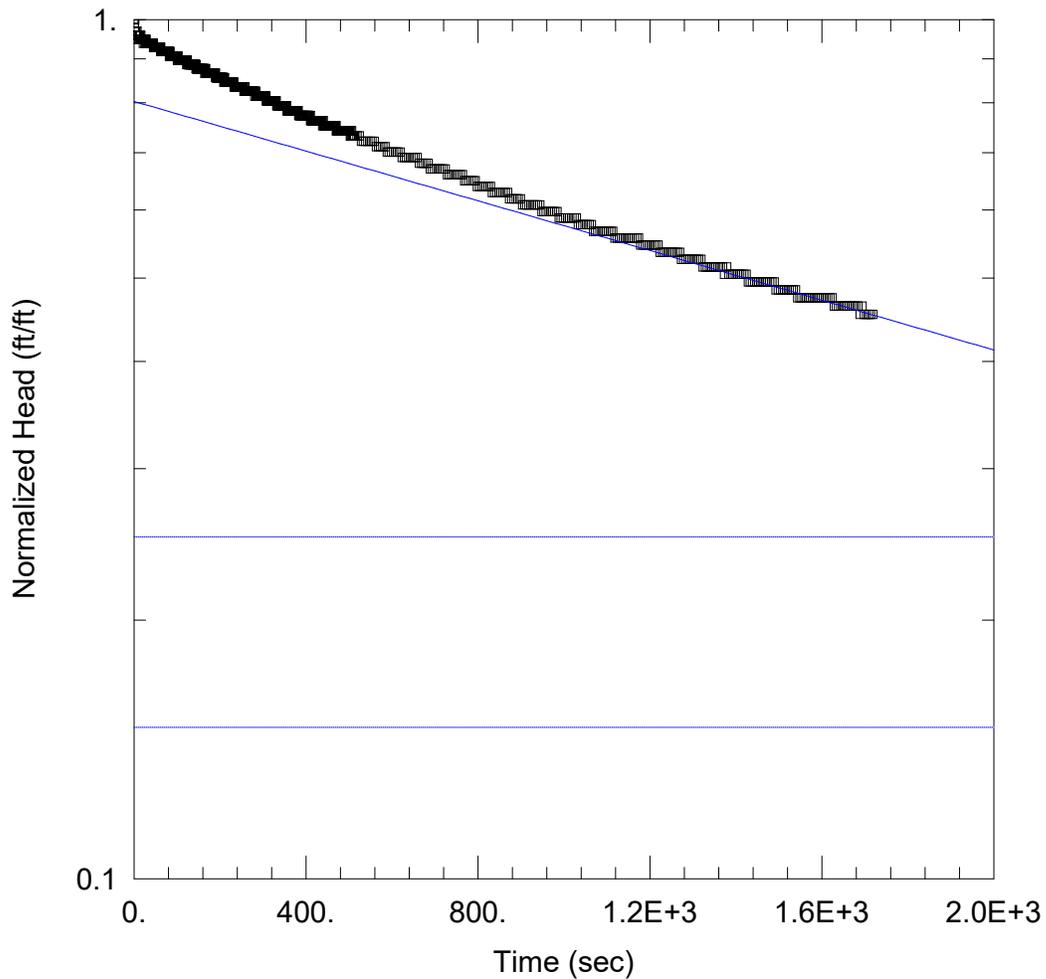
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 3.081E-7$ ft/sec

$y_0 = 0.8156$ ft



MW-338 FALLING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-338 Slug in_3 Hvorslev.aqt
 Date: 06/02/20 Time: 08:31:04

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-338

AQUIFER DATA

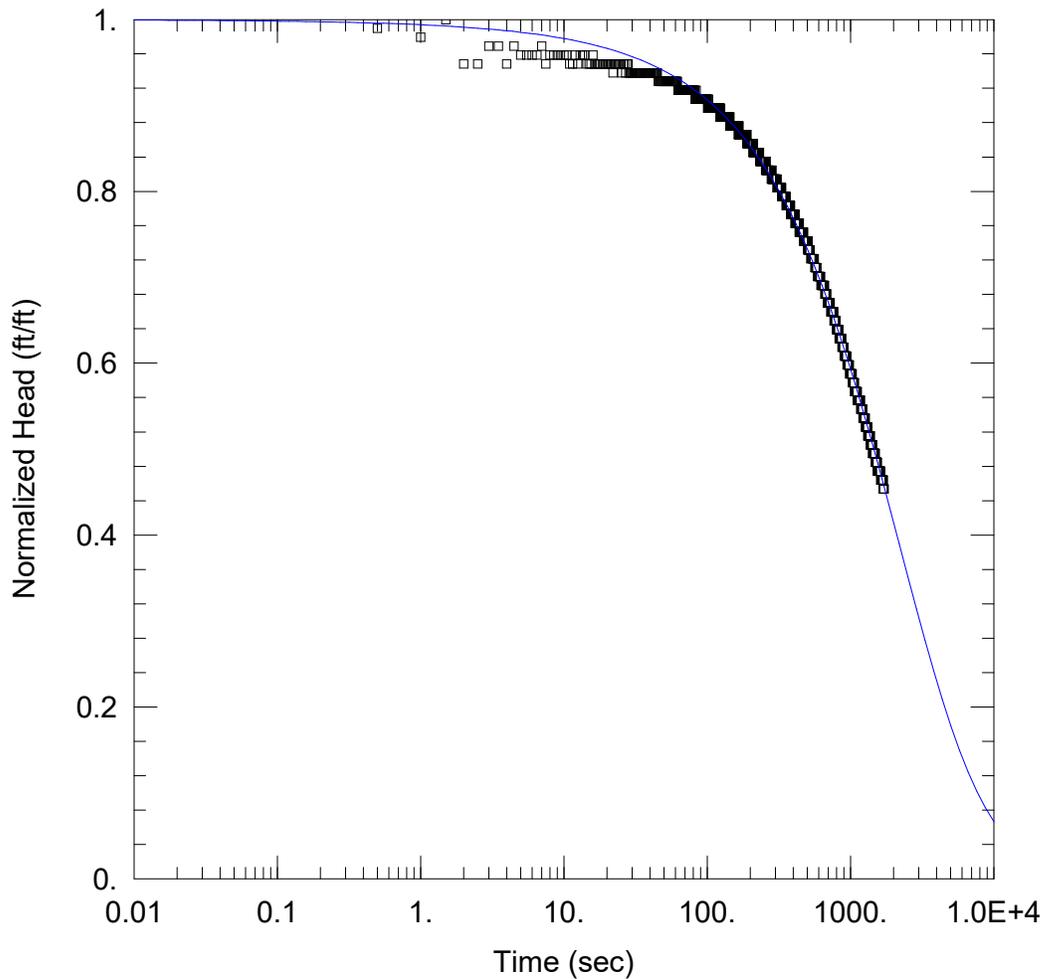
Saturated Thickness: 30. ft Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-338)

Initial Displacement: 0.97 ft Static Water Column Height: 38.25 ft
 Total Well Penetration Depth: 11.31 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 $K = 4.234E-7$ ft/sec $y_0 = 0.7789$ ft



MW-338 FALLING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-338 Slug in 3 KGS.aqt
 Date: 06/02/20 Time: 08:28:43

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-338

AQUIFER DATA

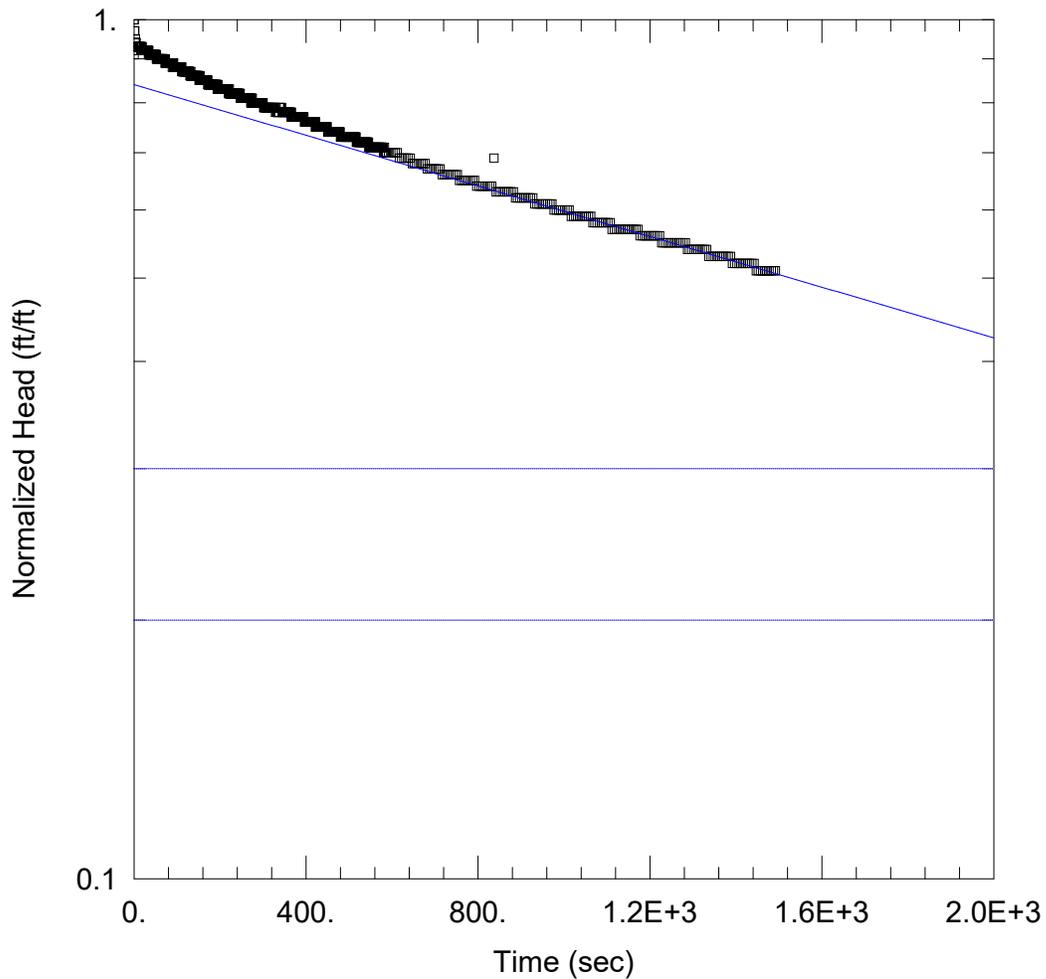
Saturated Thickness: 30. ft

WELL DATA (MW-338)

Initial Displacement: <u>0.97 ft</u>	Static Water Column Height: <u>38.25 ft</u>
Total Well Penetration Depth: <u>11.31 ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.25 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>3.587E-7 ft/sec</u>	Ss = <u>0.0001281 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



MW-338 FALLING 4

Data Set: C:\...\MW-338 Slug in 4 Bower-Rice.aqt

Date: 06/02/20

Time: 08:46:24

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-338

AQUIFER DATA

Saturated Thickness: 30. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-338)

Initial Displacement: 1. ft

Static Water Column Height: 38.25 ft

Total Well Penetration Depth: 11.31 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

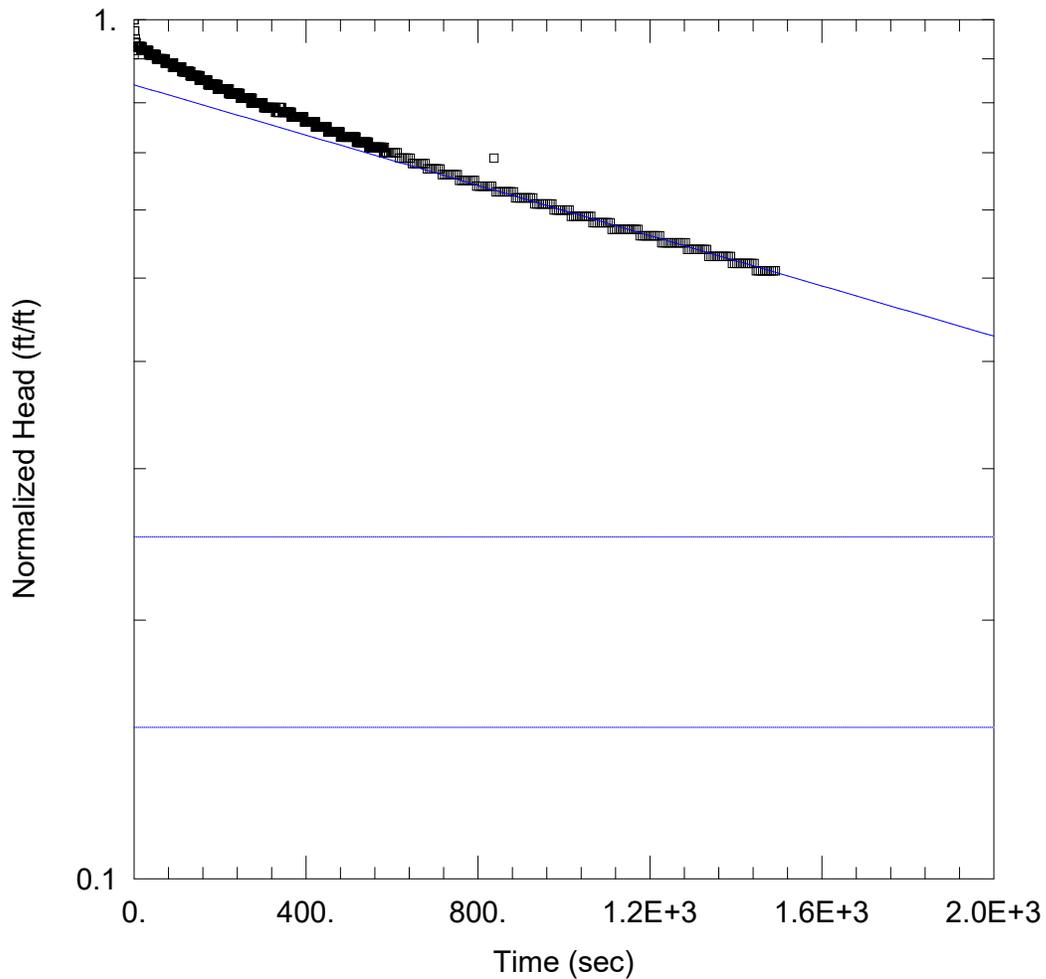
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 2.878E-7$ ft/sec

$y_0 = 0.8398$ ft



MW-338 FALLING 4

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-338 Slug in_4 Hvorslev.aqt
 Date: 06/02/20 Time: 08:48:04

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-338

AQUIFER DATA

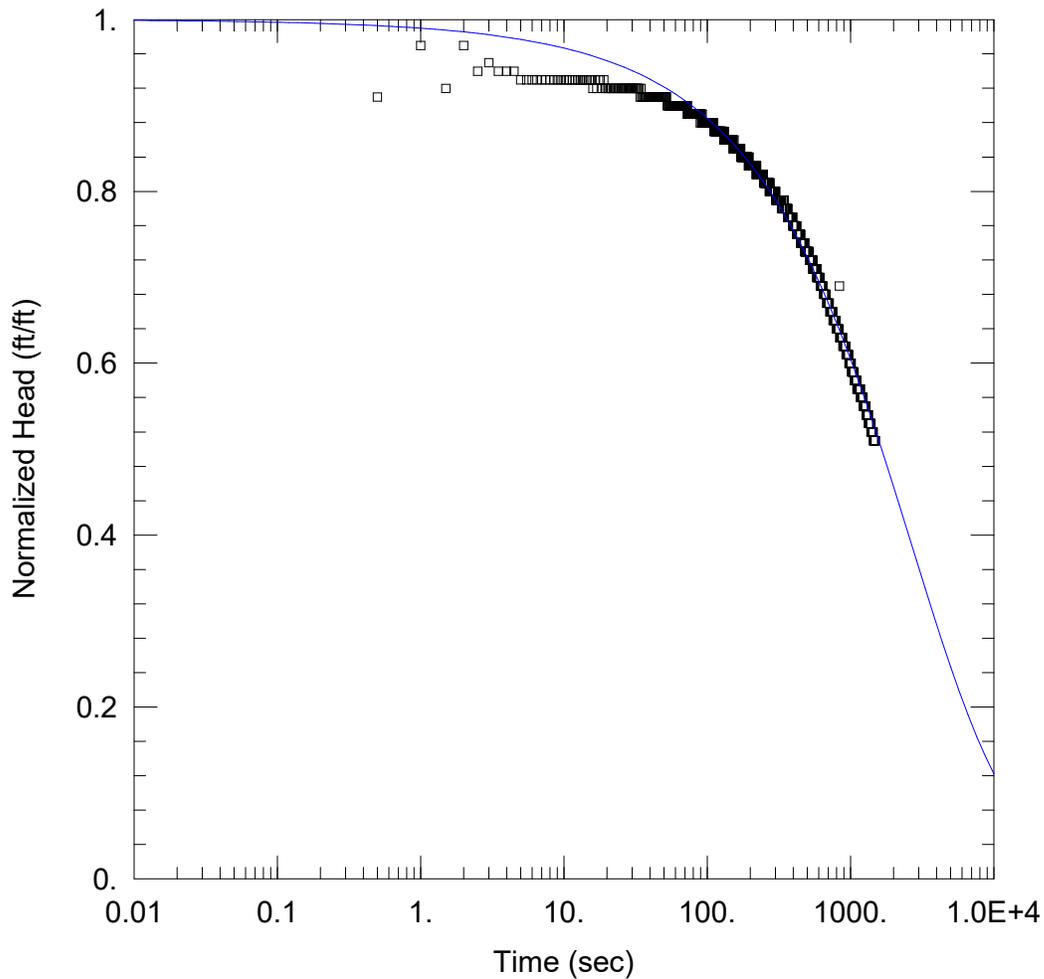
Saturated Thickness: 30. ft Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-338)

Initial Displacement: 1. ft Static Water Column Height: 38.25 ft
 Total Well Penetration Depth: 11.31 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 $K = 4.279E-7$ ft/sec $y_0 = 0.8394$ ft



MW-338 FALLING 4

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-338 Slug in_4 KGS.aqt
 Date: 06/02/20 Time: 08:49:39

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-338

AQUIFER DATA

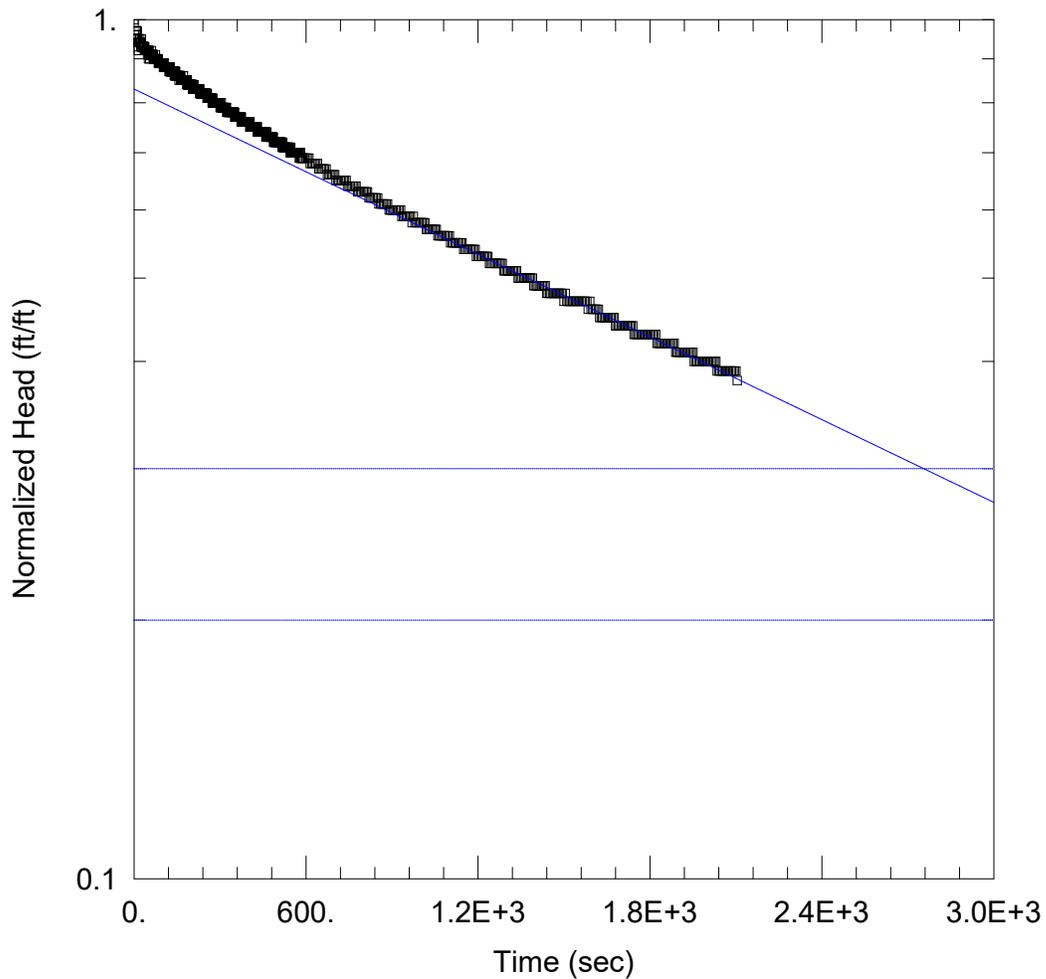
Saturated Thickness: 30. ft

WELL DATA (MW-338)

Initial Displacement: 1. ft Static Water Column Height: 38.25 ft
 Total Well Penetration Depth: 11.31 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Confined Solution Method: KGS Model
 $K_r = 1.978E-7$ ft/sec $S_s = 0.0007266$ ft⁻¹
 $K_z/K_r = 1.$



MW-338 RISING 2

Data Set: C:\...\MW-338 Slug out 2 Bower-Rice.aqt

Date: 06/01/20

Time: 16:26:41

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-338

AQUIFER DATA

Saturated Thickness: 30. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-338)

Initial Displacement: -1. ft

Static Water Column Height: 38.25 ft

Total Well Penetration Depth: 11.31 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

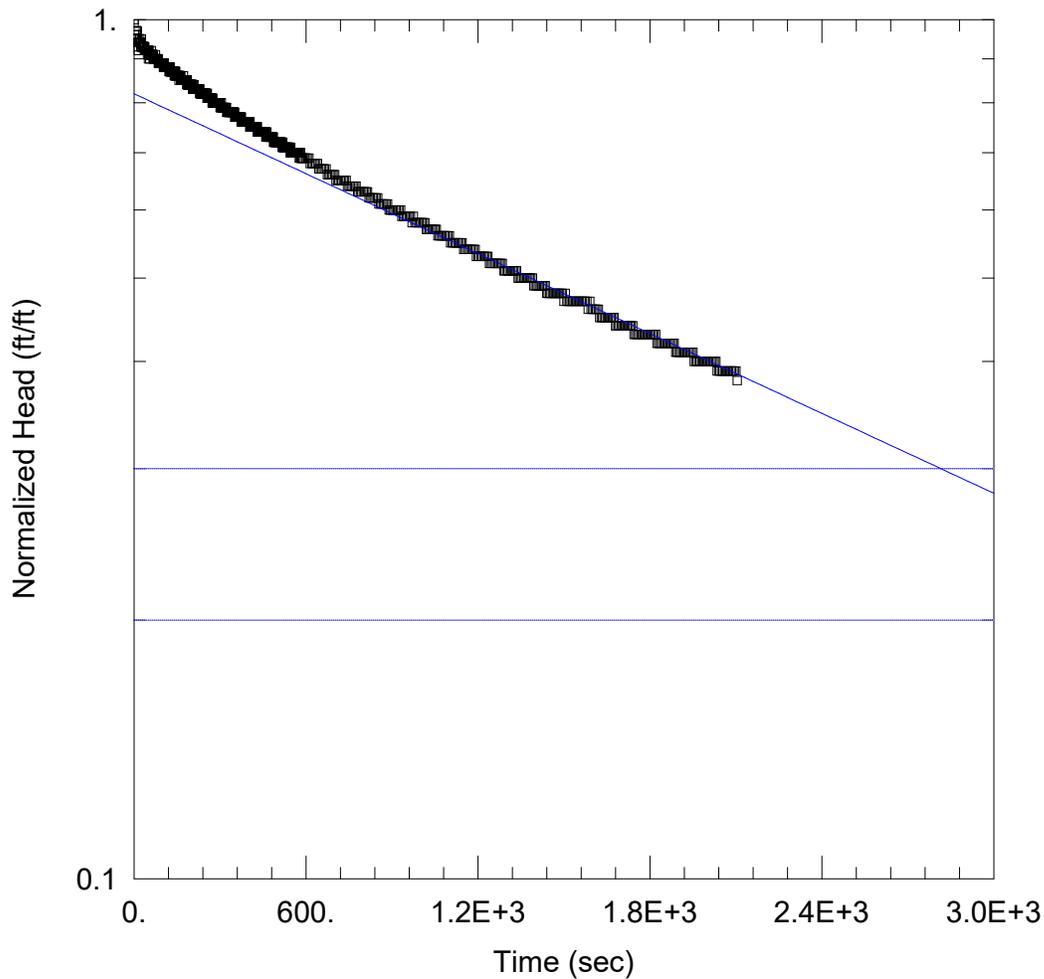
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 3.134E-7$ ft/sec

$y_0 = -0.8302$ ft



MW-338 RISING 2

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-338 Slug out 2 Hvorslev.aqt
 Date: 06/01/20 Time: 16:22:44

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-338

AQUIFER DATA

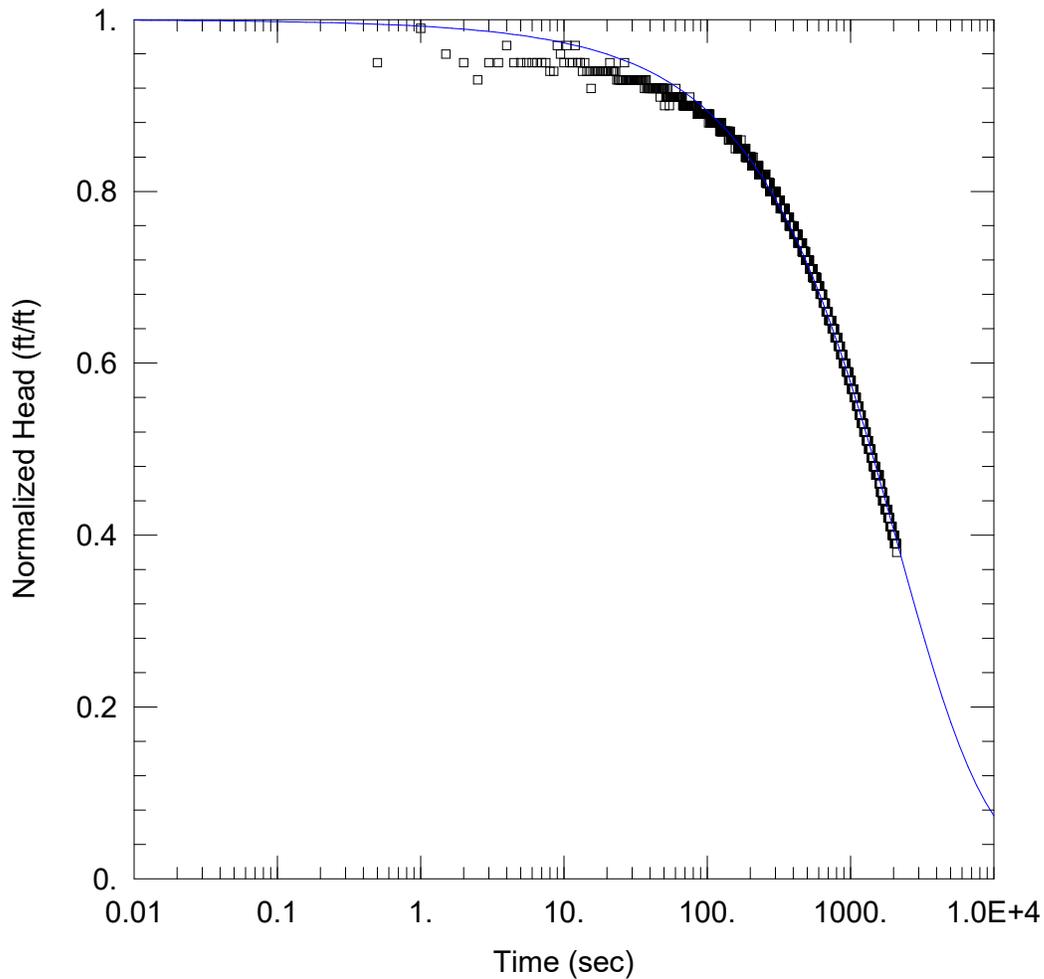
Saturated Thickness: 30. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-338)

Initial Displacement: -1. ft Static Water Column Height: 38.25 ft
 Total Well Penetration Depth: 11.31 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Confined Solution Method: Bowyer-Rice
 K = 3.029E-7 ft/sec y0 = -0.8195 ft



MW-338 RISING 2

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-338 Slug out 2 KGS.aqt
 Date: 06/01/20 Time: 16:21:19

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-338

AQUIFER DATA

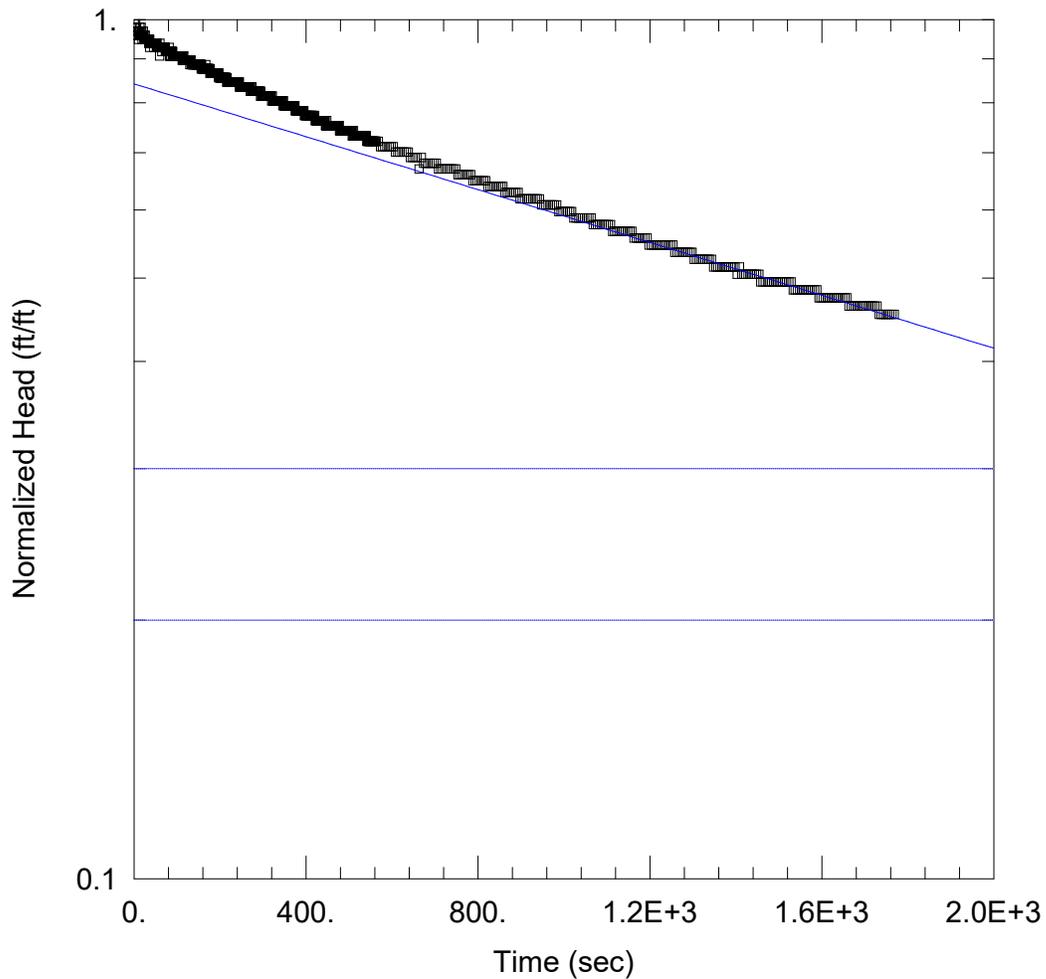
Saturated Thickness: 30. ft

WELL DATA (MW-338)

Initial Displacement: <u>-1. ft</u>	Static Water Column Height: <u>38.25 ft</u>
Total Well Penetration Depth: <u>11.31 ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.25 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>3.26E-7 ft/sec</u>	Ss = <u>0.0002427 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



MW-338 RISING 3

Data Set: C:\...\MW-338 Slug out 3 Bower-Rice.aqt

Date: 06/02/20

Time: 08:35:02

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-338

AQUIFER DATA

Saturated Thickness: 30. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-338)

Initial Displacement: -0.97 ft

Static Water Column Height: 38.25 ft

Total Well Penetration Depth: 11.31 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

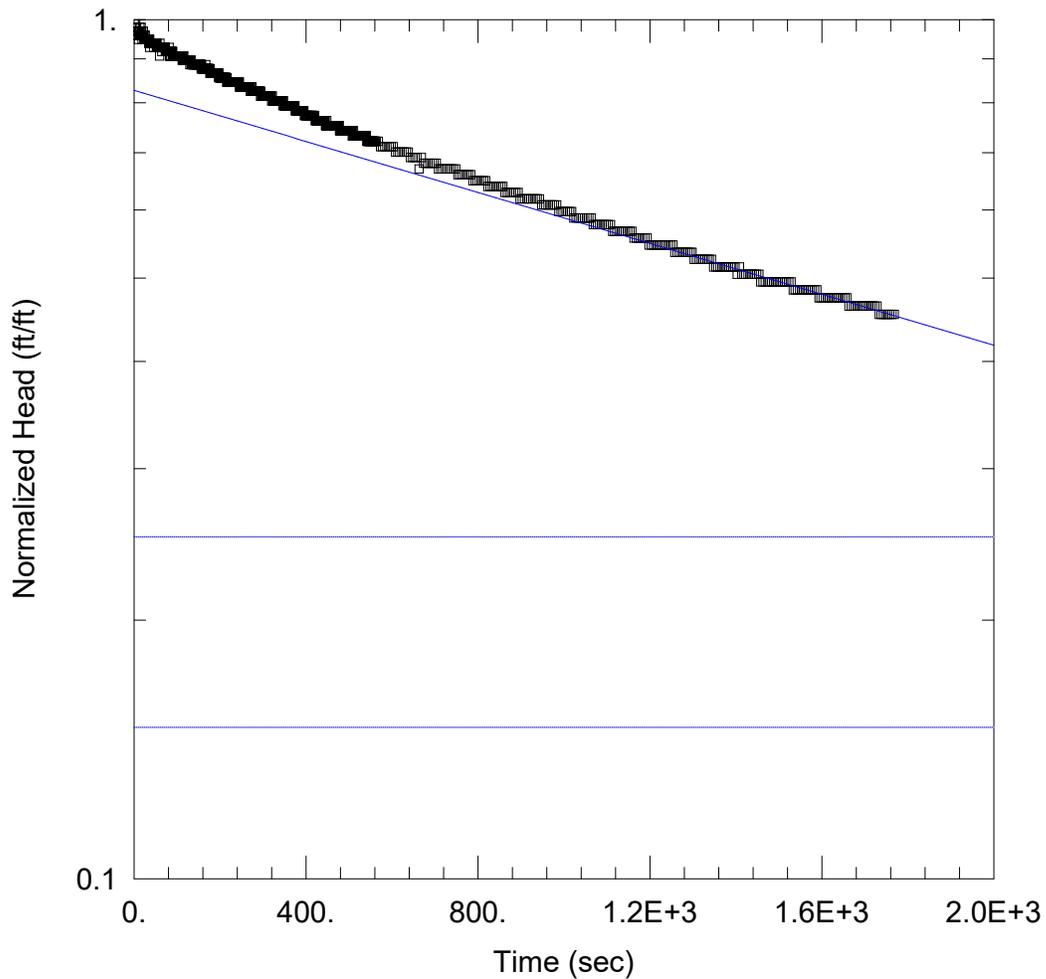
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 3.007E-7$ ft/sec

$y_0 = -0.8164$ ft



MW-338 RISING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-338 Slug out_3 Hvorslev.aqt
 Date: 06/02/20 Time: 08:36:41

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-338

AQUIFER DATA

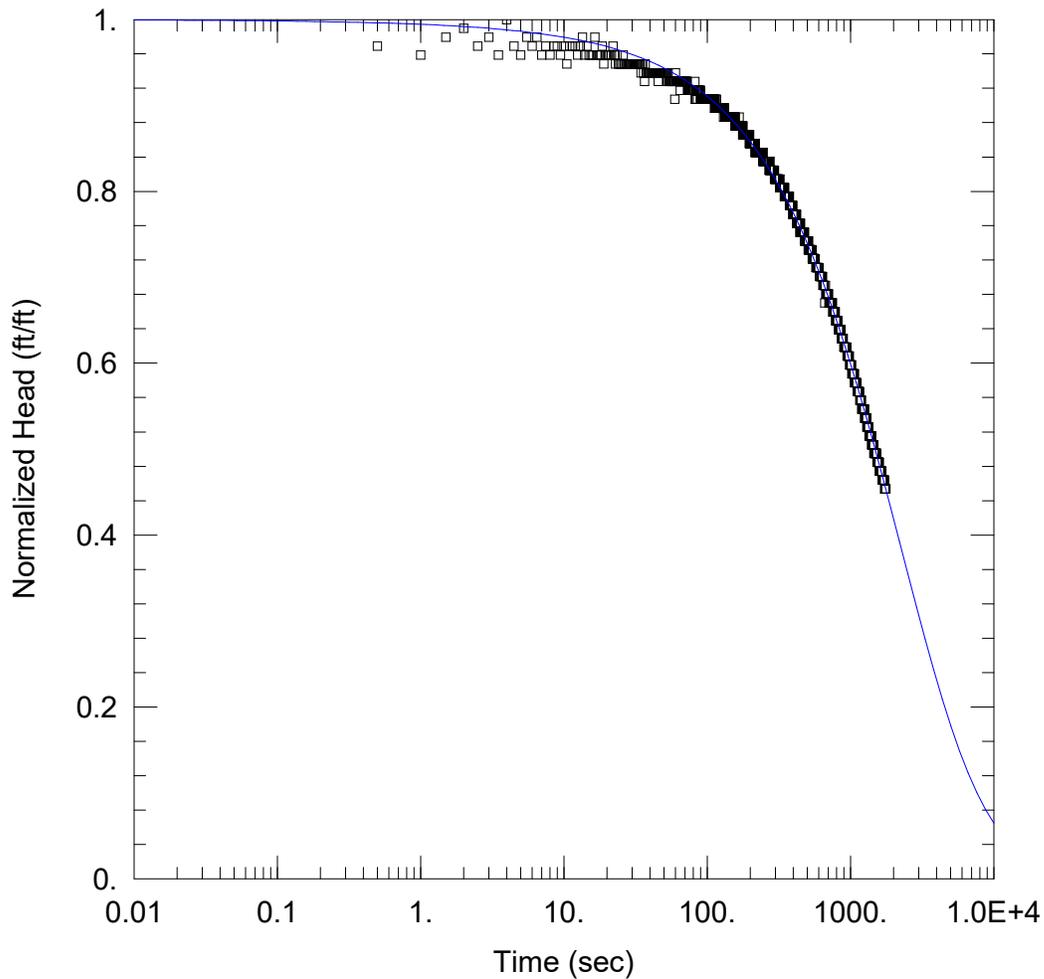
Saturated Thickness: 30. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-338)

Initial Displacement: -0.97 ft Static Water Column Height: 38.25 ft
 Total Well Penetration Depth: 11.31 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 K = 4.336E-7 ft/sec $y_0 =$ -0.802 ft



MW-338 RISING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-338 Slug out_3 KGS.aqt

Date: 06/02/20

Time: 08:37:53

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-338

AQUIFER DATA

Saturated Thickness: 30. ft

WELL DATA (MW-338)

Initial Displacement: -0.97 ft

Total Well Penetration Depth: 11.31 ft

Casing Radius: 0.083 ft

Static Water Column Height: 38.25 ft

Screen Length: 10. ft

Well Radius: 0.25 ft

SOLUTION

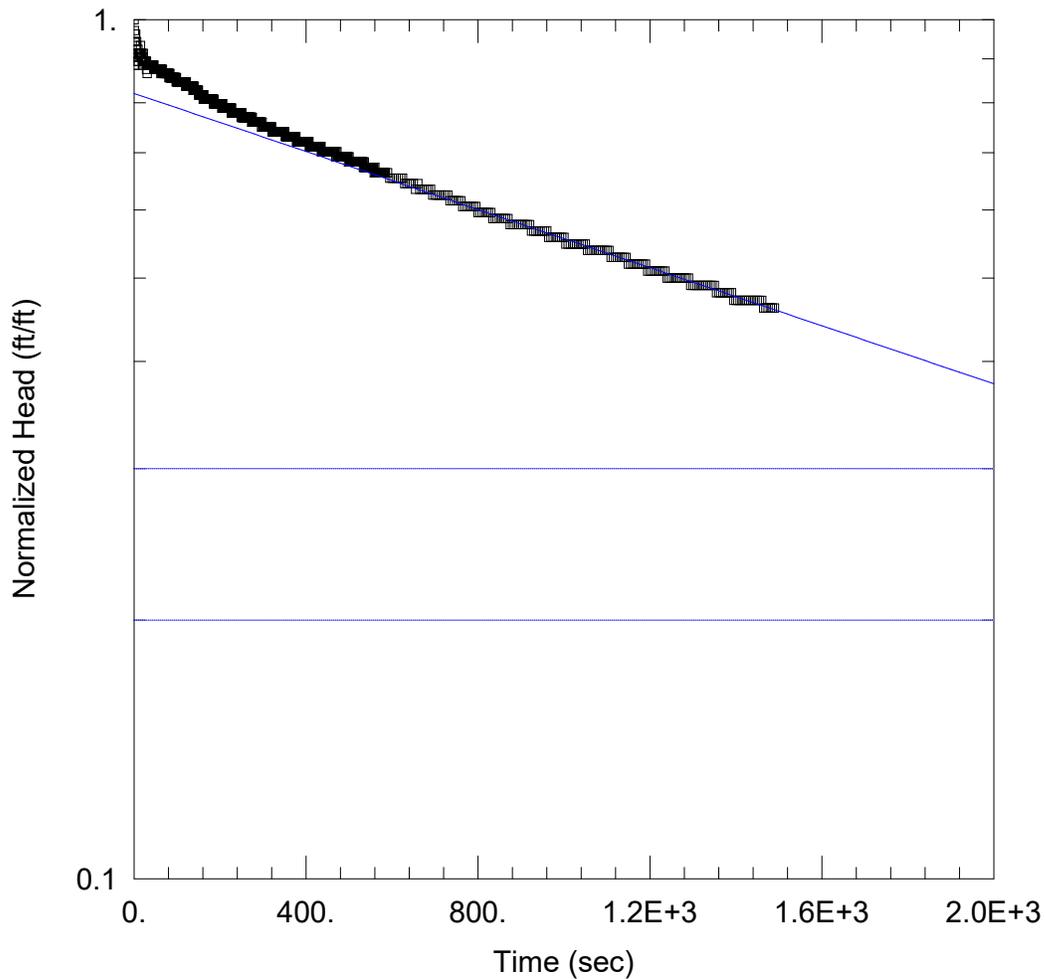
Aquifer Model: Confined

Kr = 3.675E-7 ft/sec

Kz/Kr = 1.

Solution Method: KGS Model

Ss = 0.0001023 ft⁻¹



MW-338 RISING 4

Data Set: C:\...\MW-338 Slug out 4 Bower-Rice.aqt

Date: 06/02/20

Time: 08:43:16

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-338

AQUIFER DATA

Saturated Thickness: 30. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-338)

Initial Displacement: -1.04 ft

Static Water Column Height: 38.25 ft

Total Well Penetration Depth: 11.31 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

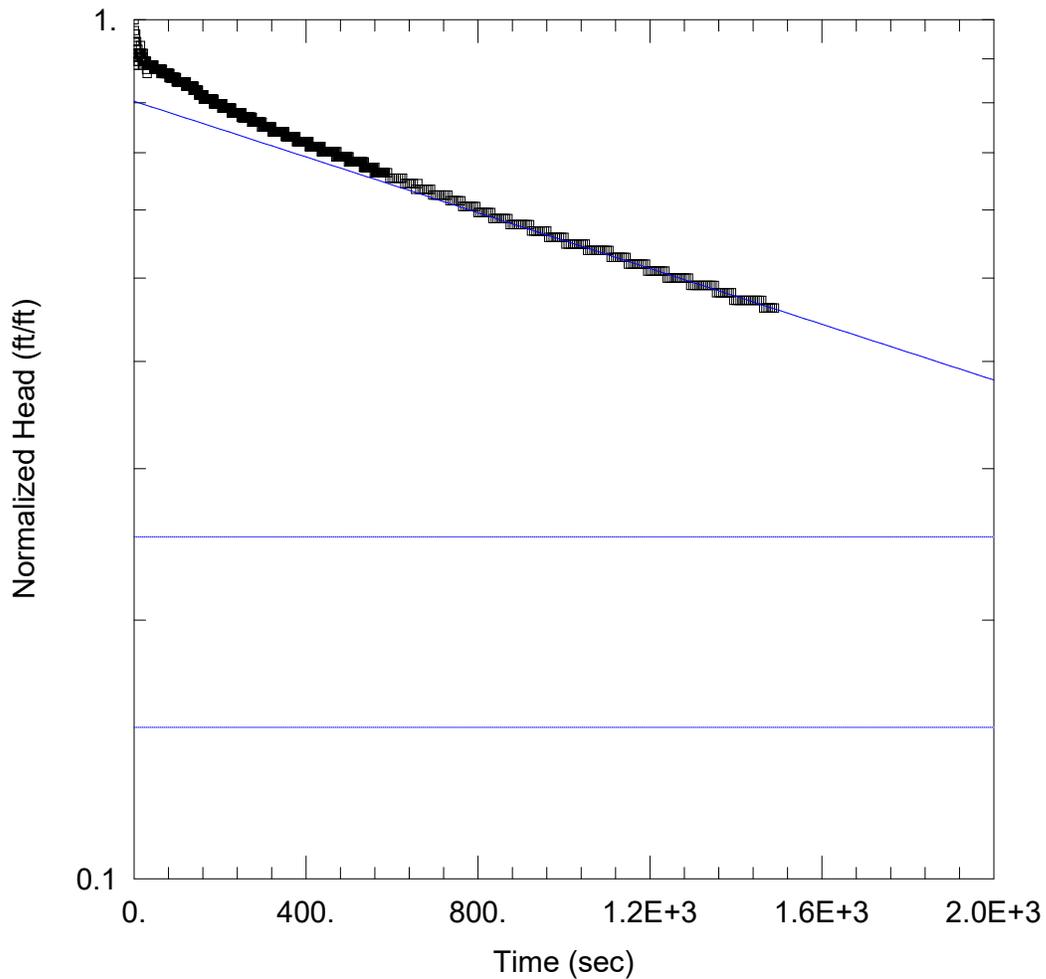
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 3.303E-7$ ft/sec

$y_0 = -0.8532$ ft



MW-338 RISING 4

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-338 Slug out_4 Hvorslev.aqt
 Date: 06/02/20 Time: 08:42:15

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-338

AQUIFER DATA

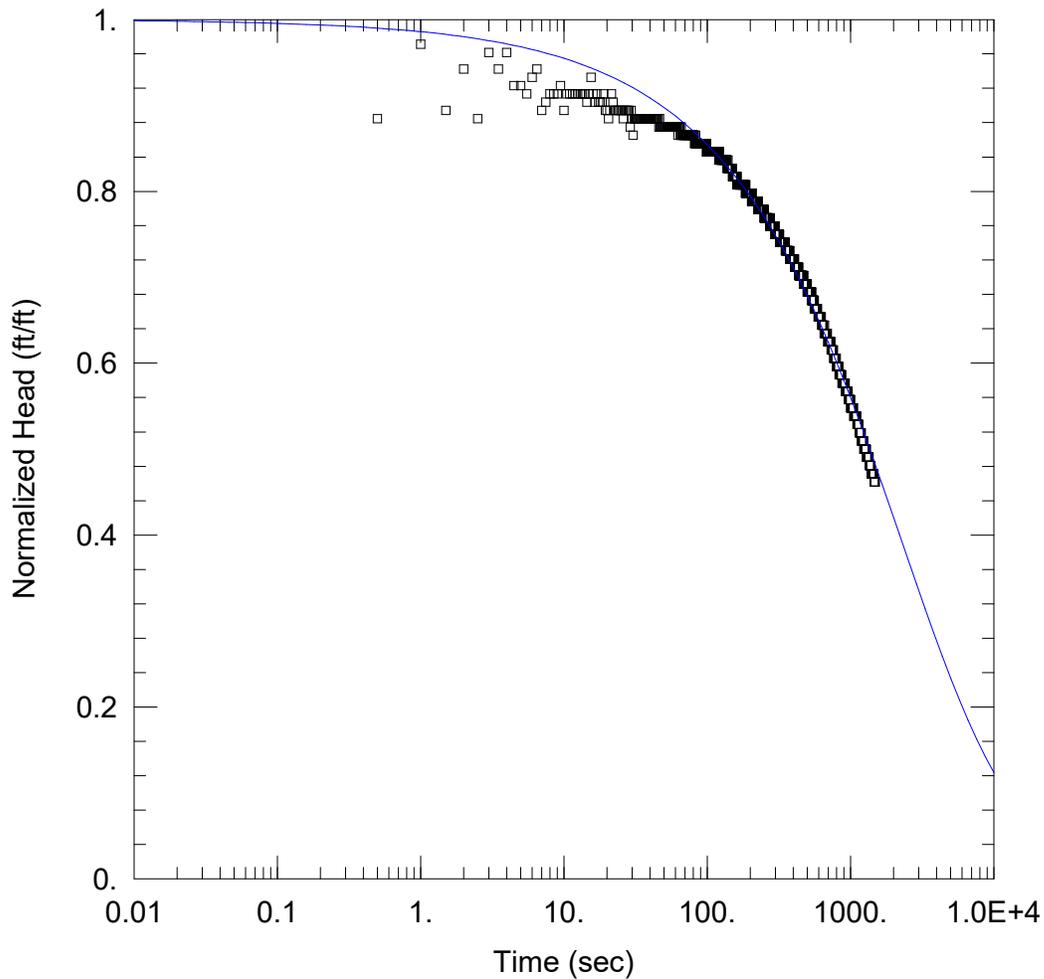
Saturated Thickness: 30. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-338)

Initial Displacement: -1.04 ft Static Water Column Height: 38.25 ft
 Total Well Penetration Depth: 11.31 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 K = 4.748E-7 ft/sec y0 = -0.8356 ft



MW-338 RISING 4

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-338 Slug out_4 KGS.aqt
 Date: 06/02/20 Time: 08:41:02

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-338

AQUIFER DATA

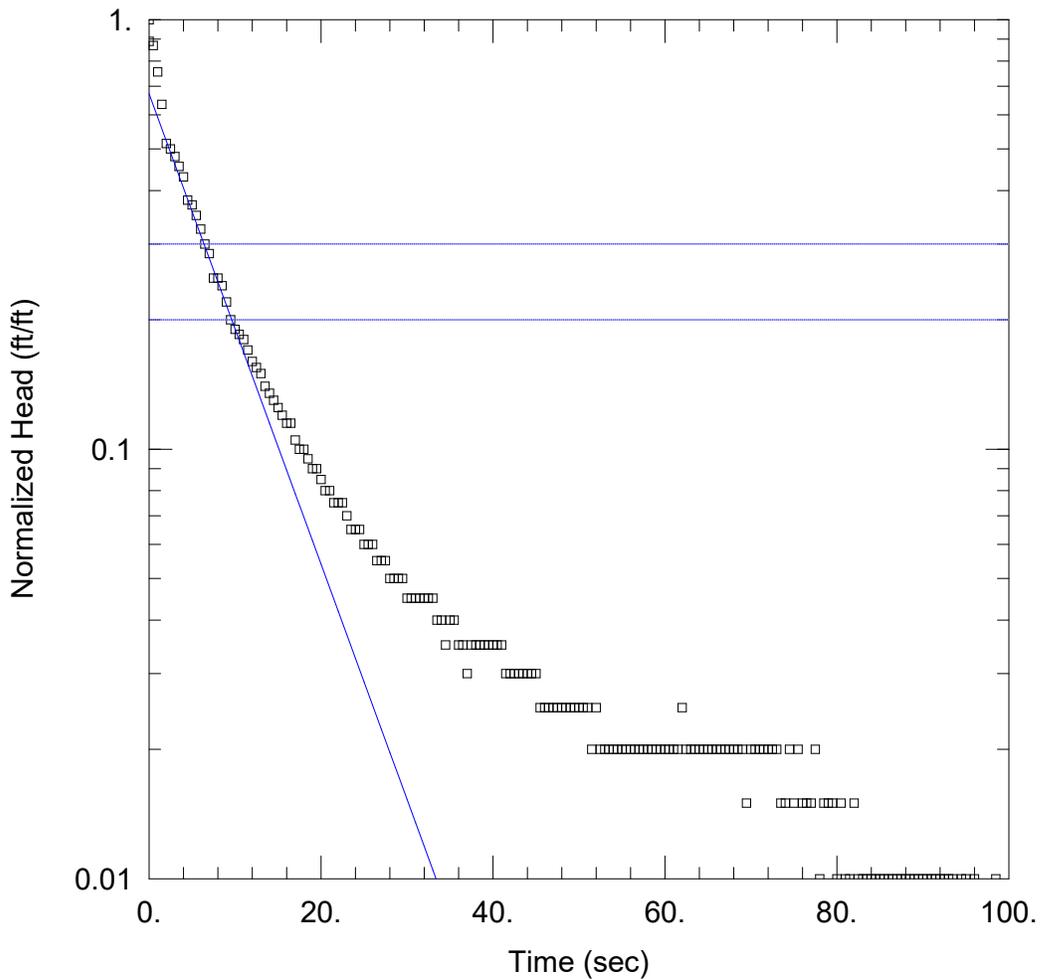
Saturated Thickness: 30. ft

WELL DATA (MW-338)

Initial Displacement: -1.04 ft Static Water Column Height: 38.25 ft
 Total Well Penetration Depth: 11.31 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Confined Solution Method: KGS Model
 $K_r = 1.694E-7$ ft/sec $S_s = 0.001712$ ft⁻¹
 $K_z/K_r = 1.$



MW-343 FALLING 1

Data Set: C:\...\MW-343 Slug in 1 Bower-Rice.aqt

Date: 06/02/20

Time: 09:14:52

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-343

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-343)

Initial Displacement: 2. ft

Static Water Column Height: 90.5 ft

Total Well Penetration Depth: 35.17 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

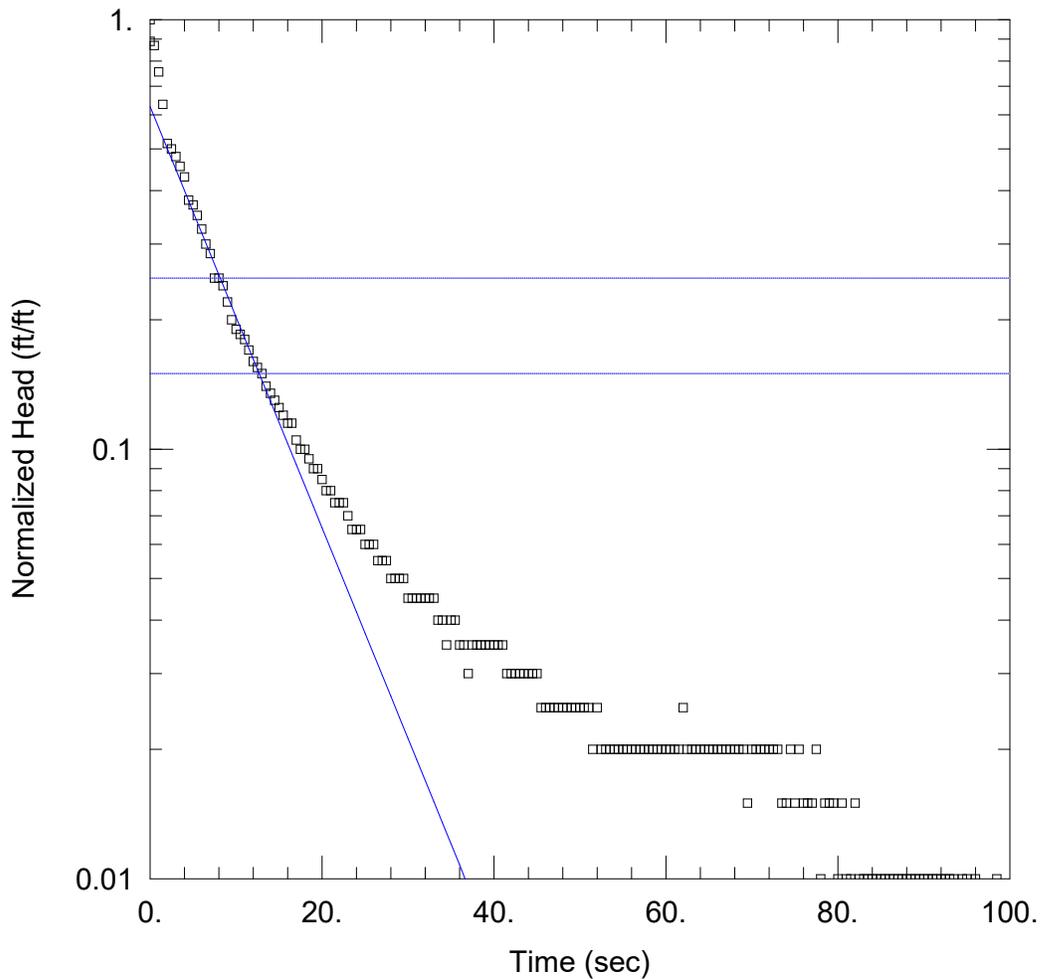
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 0.0001278$ ft/sec

$y_0 = 1.343$ ft



MW-343 FALLING 1

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-343 Slug in_1 Hvorslev.aqt
 Date: 06/02/20 Time: 09:16:13

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-343

AQUIFER DATA

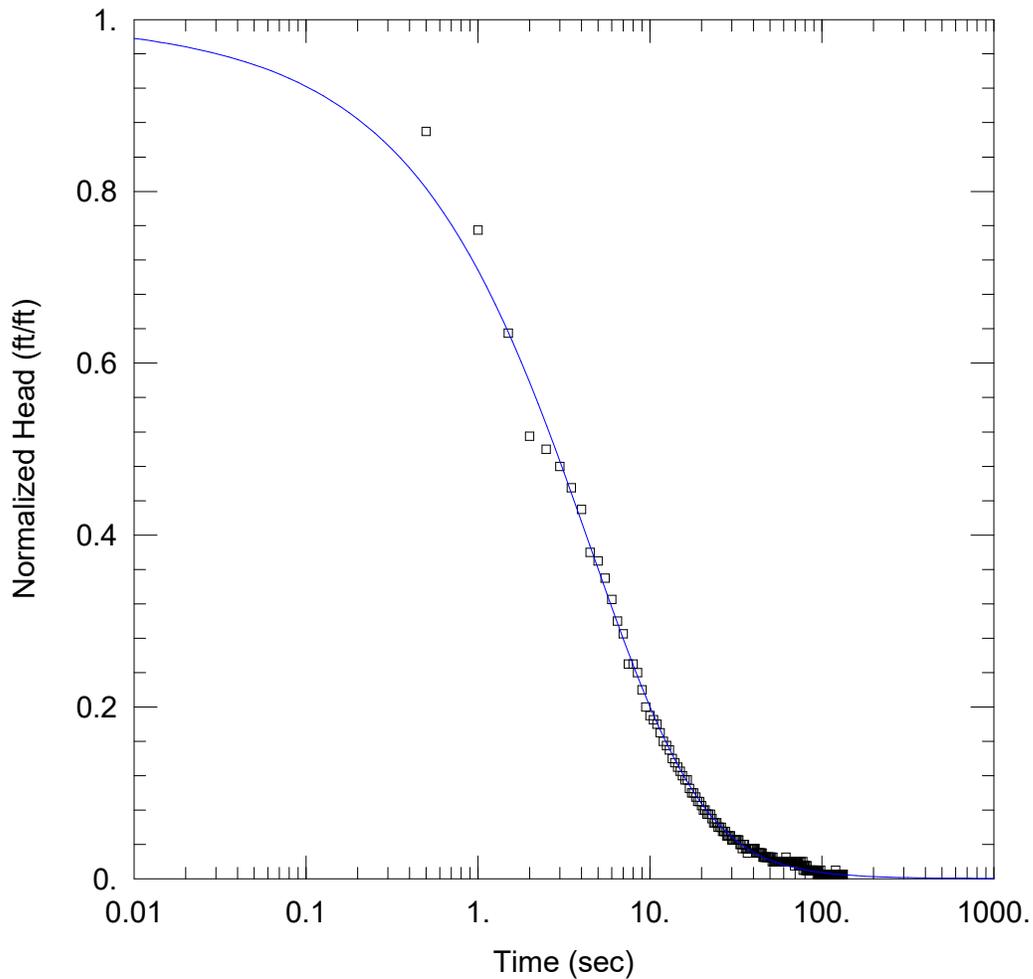
Saturated Thickness: 54. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-343)

Initial Displacement: 2. ft Static Water Column Height: 90.5 ft
 Total Well Penetration Depth: 35.17 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 K = 0.0001435 ft/sec y0 = 1.255 ft



MW-343 FALLING 1

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-343 Slug in_1 KGS.aqt
 Date: 06/02/20 Time: 09:18:44

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-343

AQUIFER DATA

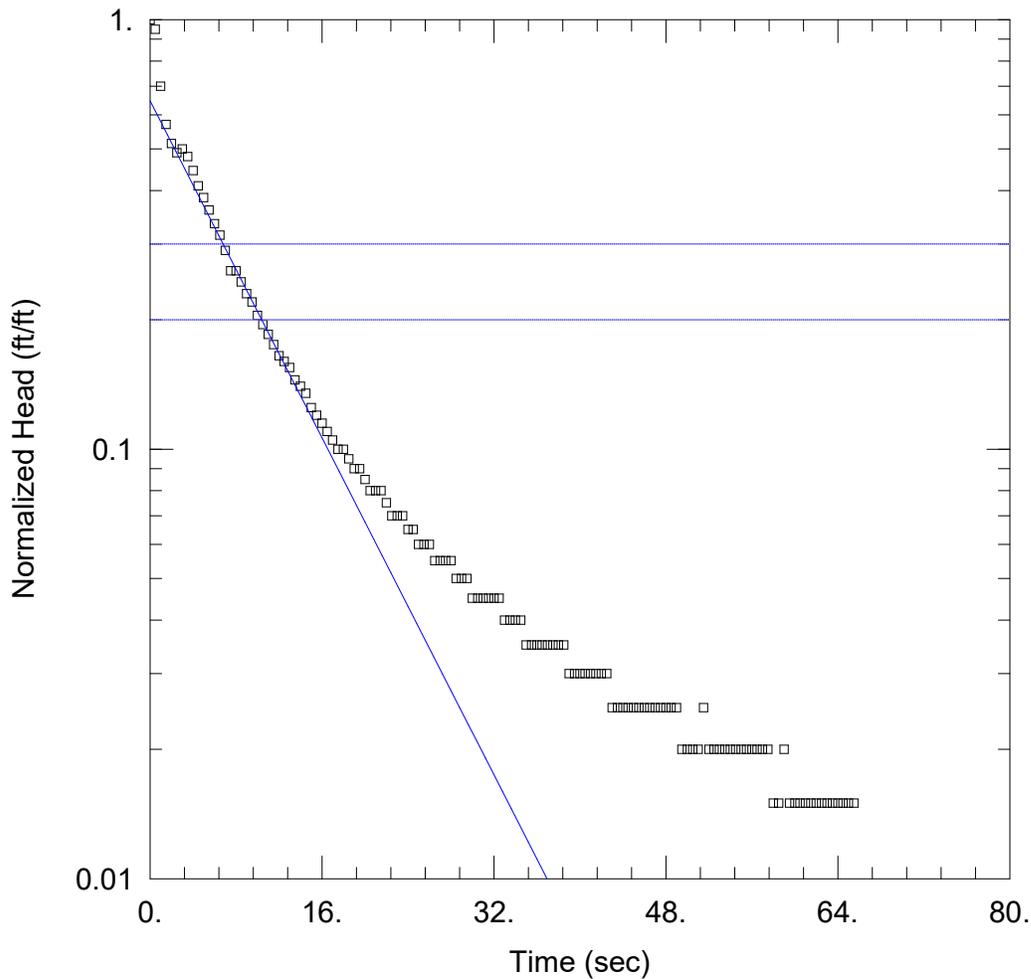
Saturated Thickness: 54. ft

WELL DATA (MW-343)

Initial Displacement: 2. ft Static Water Column Height: 90.5 ft
 Total Well Penetration Depth: 35.17 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Confined Solution Method: KGS Model
 $K_r = 0.0001353 \text{ ft/sec}$ $S_s = 0.0004464 \text{ ft}^{-1}$
 $K_z/K_r = 1.$



MW-343 FALLING 2

Data Set: C:\...\MW-343 Slug in 2 Bower-Rice.aqt

Date: 06/09/20

Time: 08:22:12

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-343

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-343)

Initial Displacement: 2. ft

Static Water Column Height: 90.5 ft

Total Well Penetration Depth: 35.17 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

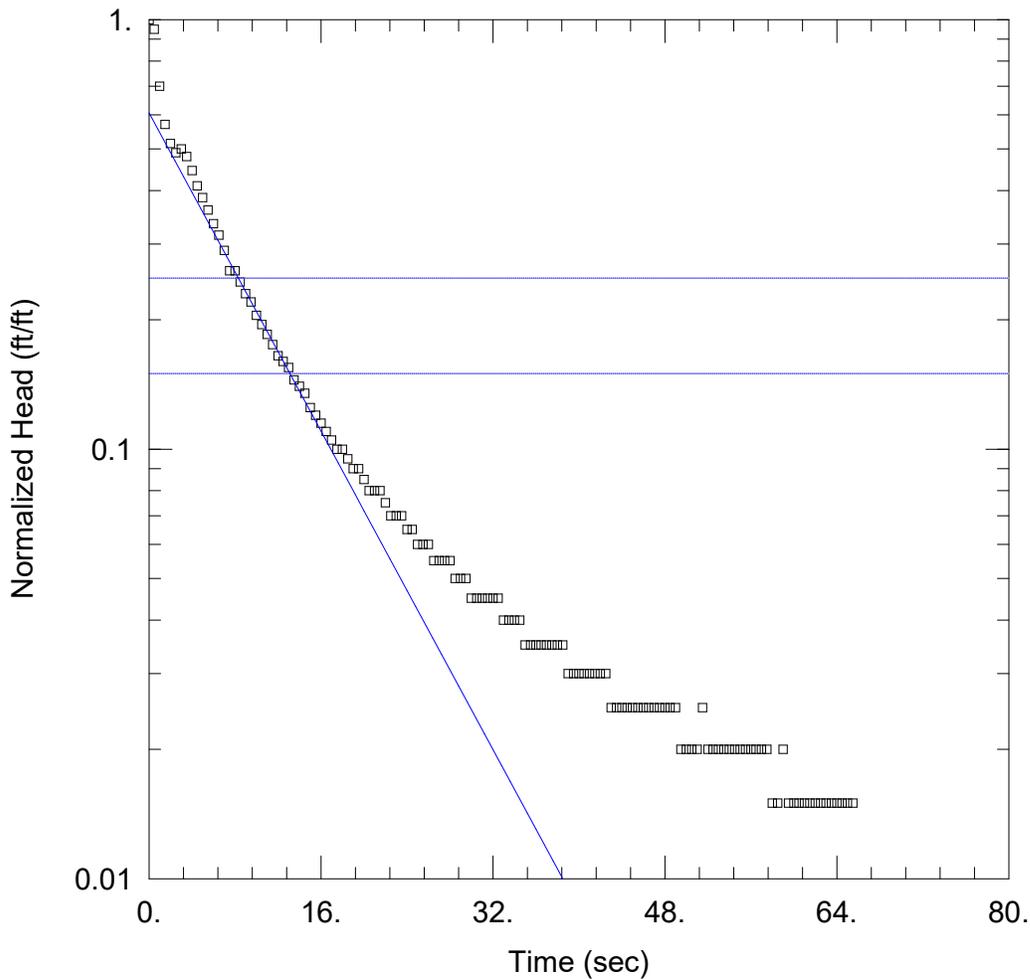
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 0.0001145$ ft/sec

$y_0 = 1.293$ ft



MW-343 FALLING 2

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-343 Slug in_2 Hvorslev.aqt
 Date: 06/09/20 Time: 08:24:13

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-343

AQUIFER DATA

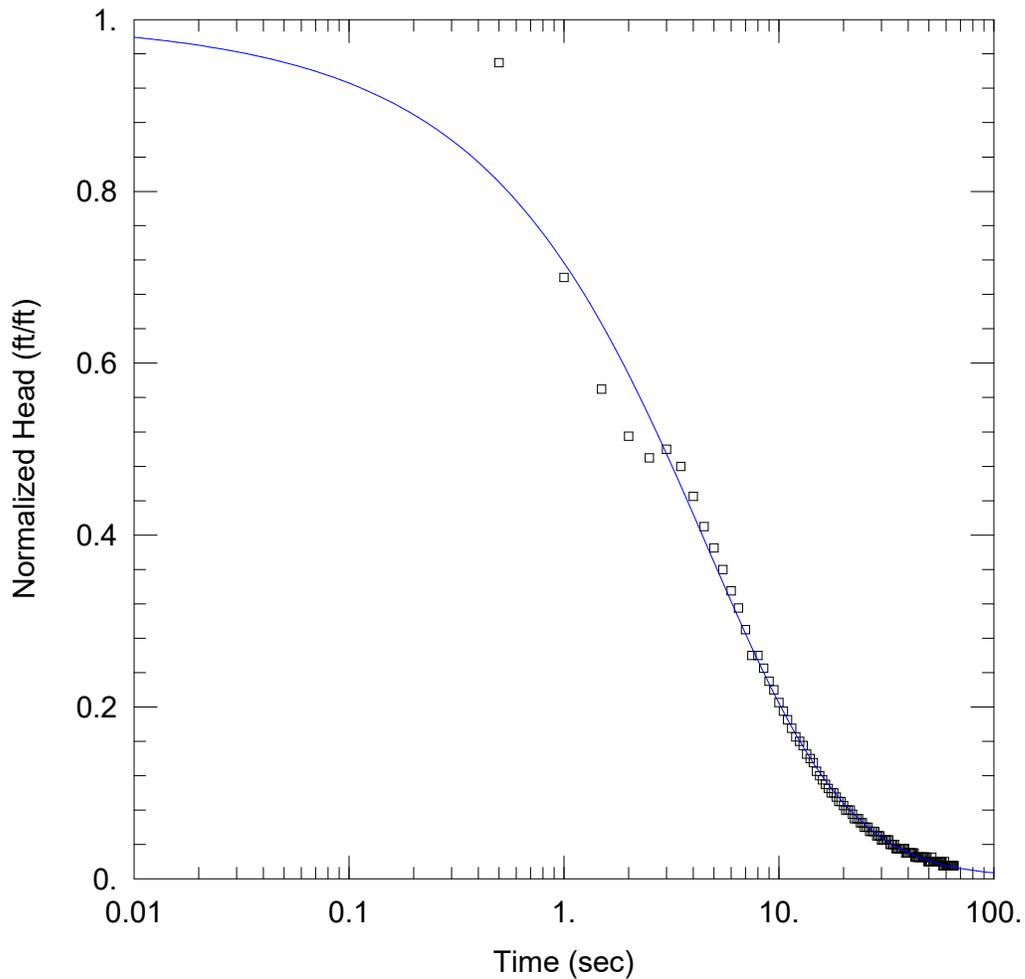
Saturated Thickness: 54. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-343)

Initial Displacement: 2. ft Static Water Column Height: 90.5 ft
 Total Well Penetration Depth: 35.17 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 K = 0.0001356 ft/sec $y_0 =$ 1.213 ft



MW-343 FALLING 2

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-343 Slug in_2 KGS.aqt

Date: 06/09/20

Time: 08:30:17

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-343

AQUIFER DATA

Saturated Thickness: 54. ft

WELL DATA (MW-343)

Initial Displacement: 2. ft

Total Well Penetration Depth: 35.17 ft

Casing Radius: 0.083 ft

Static Water Column Height: 90.5 ft

Screen Length: 10. ft

Well Radius: 0.25 ft

SOLUTION

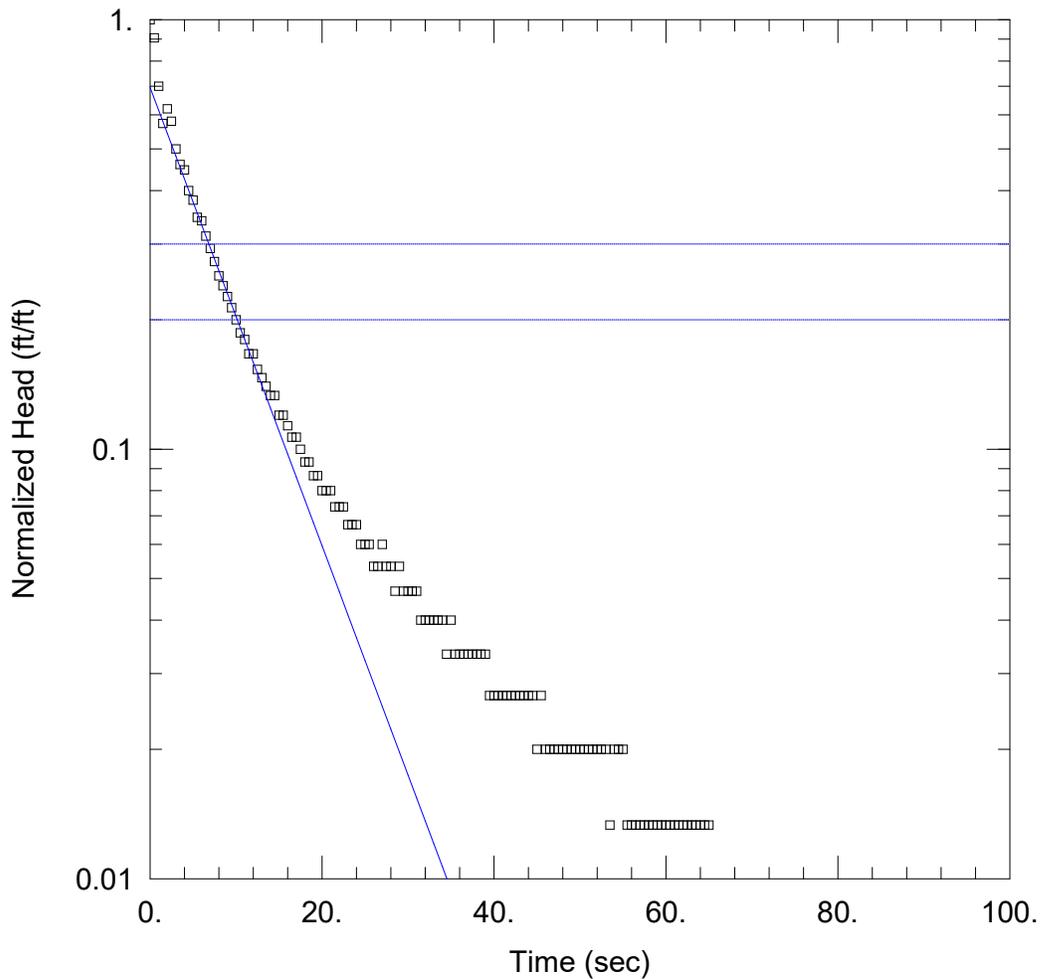
Aquifer Model: Confined

Kr = 0.0001359 ft/sec

Kz/Kr = 1.

Solution Method: KGS Model

Ss = 0.0003856 ft⁻¹



MW-343 FALLING 4

Data Set: C:\...\MW-343 Slug in 4 Bower-Rice.aqt

Date: 06/02/20

Time: 09:45:47

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-343

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-343)

Initial Displacement: 1.5 ft

Static Water Column Height: 90.5 ft

Total Well Penetration Depth: 35.17 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

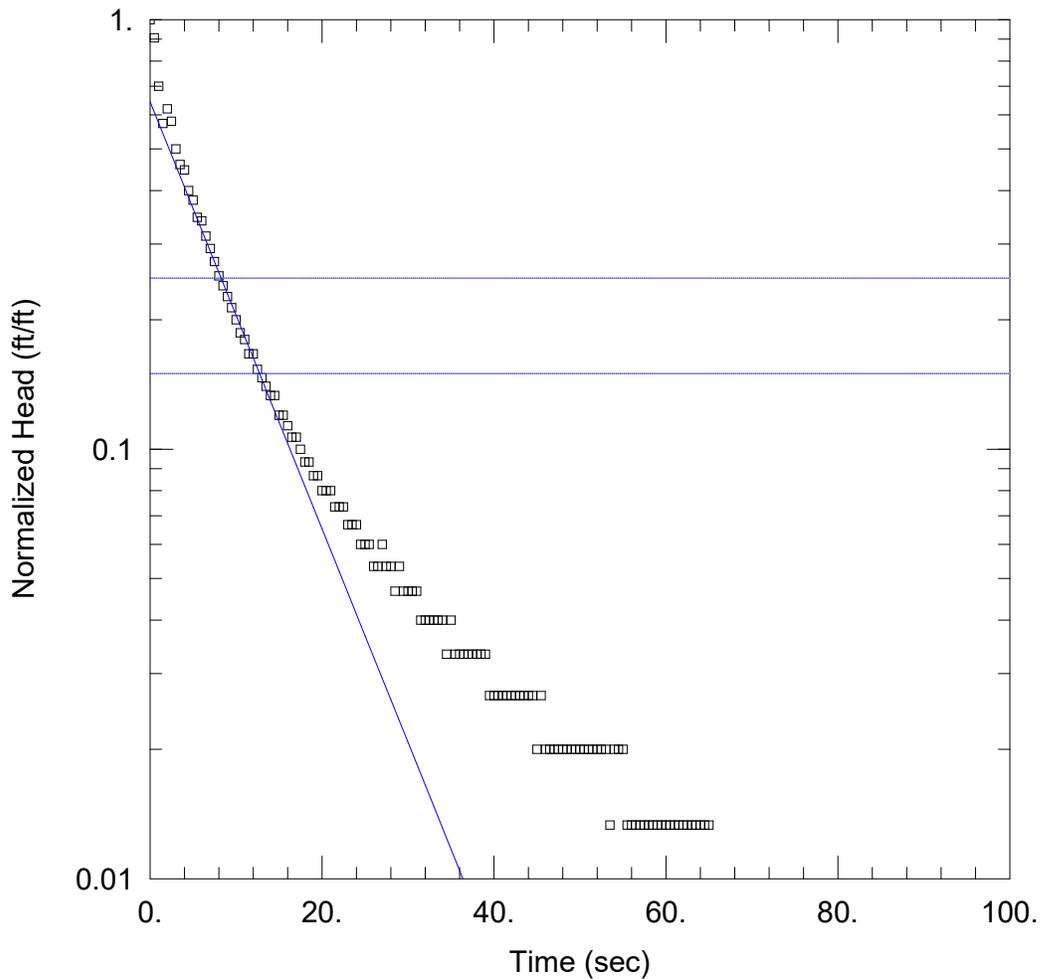
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 0.0001245$ ft/sec

$y_0 = 1.042$ ft



MW-343 FALLING 4

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-343 Slug in_4 Hvorslev.aqt
 Date: 06/02/20 Time: 09:43:55

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-343

AQUIFER DATA

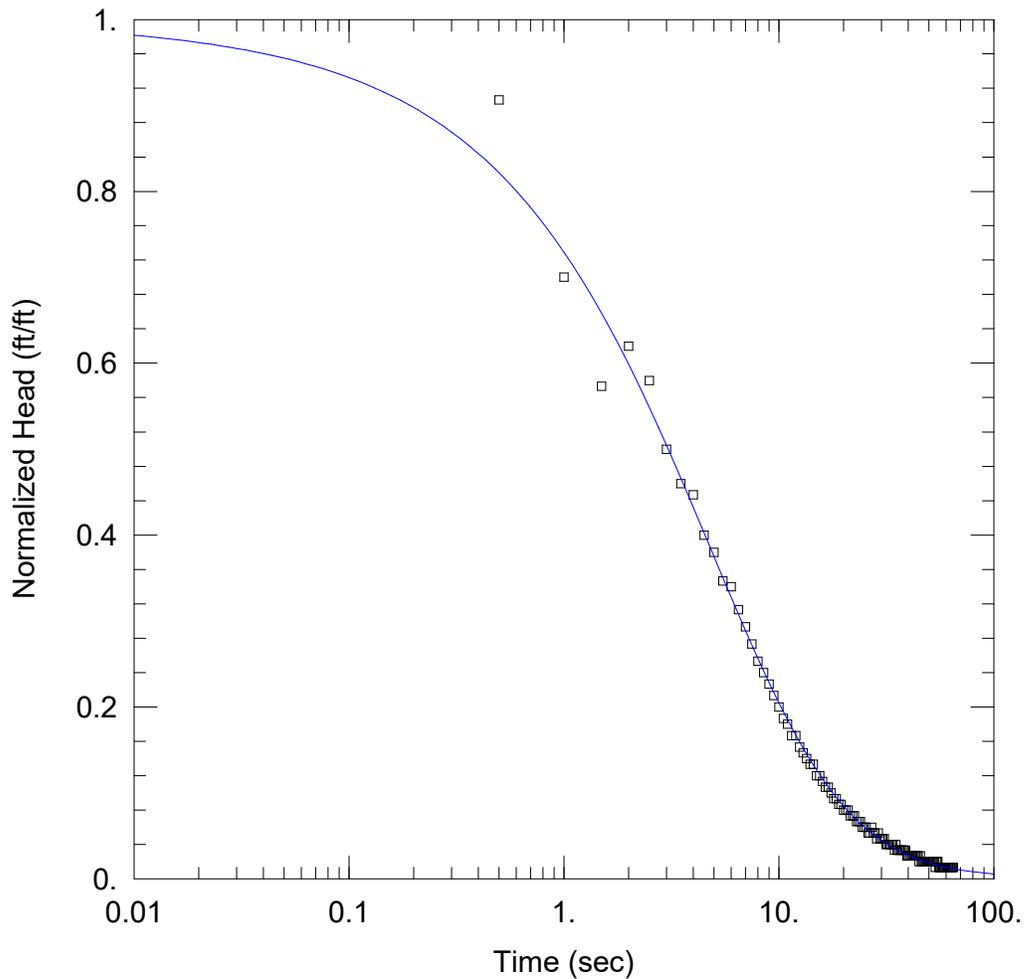
Saturated Thickness: 54. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-343)

Initial Displacement: 1.5 ft Static Water Column Height: 90.5 ft
 Total Well Penetration Depth: 35.17 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 K = 0.0001455 ft/sec y0 = 0.9651 ft



MW-343 FALLING 4

Data Set: C:\...\MW-343 Slug in 4 Bower-Rice.aqt

Date: 06/02/20

Time: 09:46:43

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-343

AQUIFER DATA

Saturated Thickness: 54. ft

WELL DATA (MW-343)

Initial Displacement: 1.5 ft

Total Well Penetration Depth: 35.17 ft

Casing Radius: 0.083 ft

Static Water Column Height: 90.5 ft

Screen Length: 10. ft

Well Radius: 0.25 ft

SOLUTION

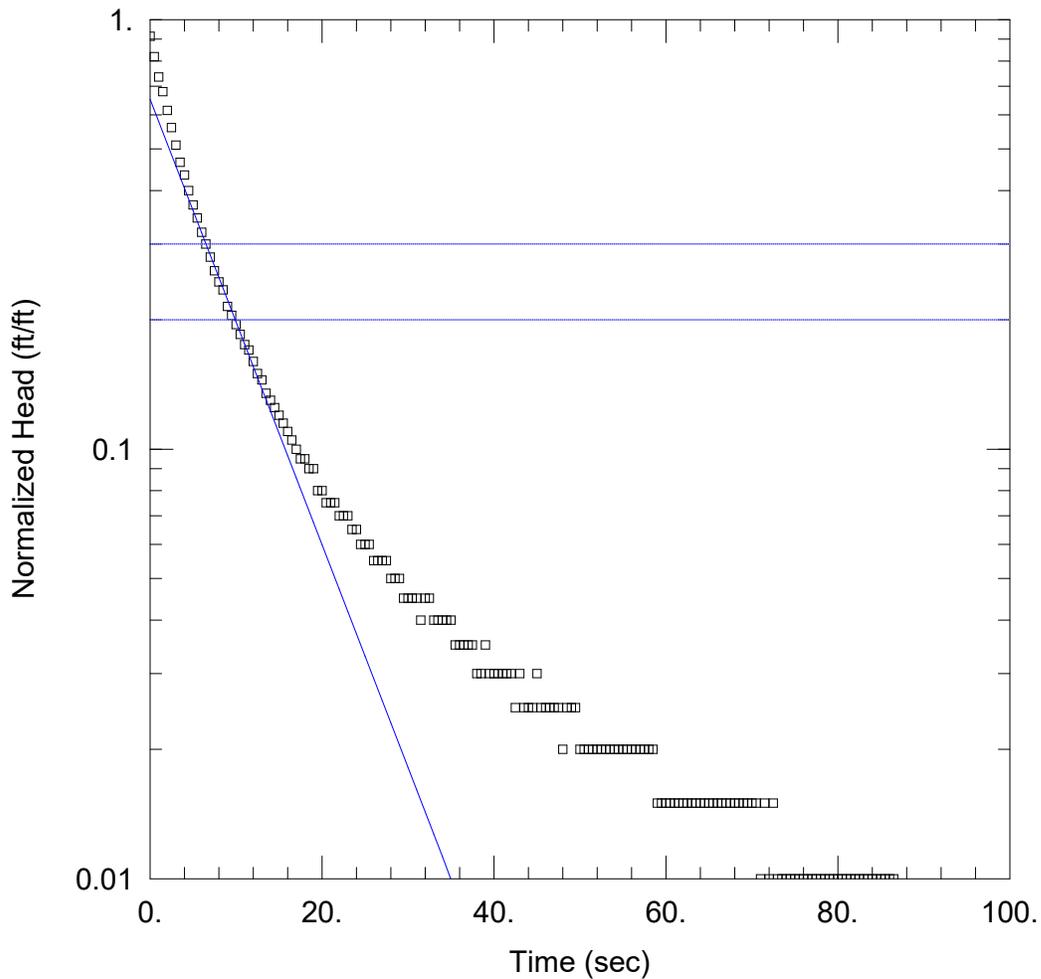
Aquifer Model: Confined

Kr = 0.0001424 ft/sec

Kz/Kr = 1.

Solution Method: KGS Model

Ss = 0.0002789 ft⁻¹



MW-343 RISING 2

Data Set: C:\...\MW-343 Slug out 2 Bower-Rice.aqt

Date: 06/02/20

Time: 09:27:50

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-343

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-343)

Initial Displacement: -2. ft

Static Water Column Height: 90.5 ft

Total Well Penetration Depth: 35.17 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

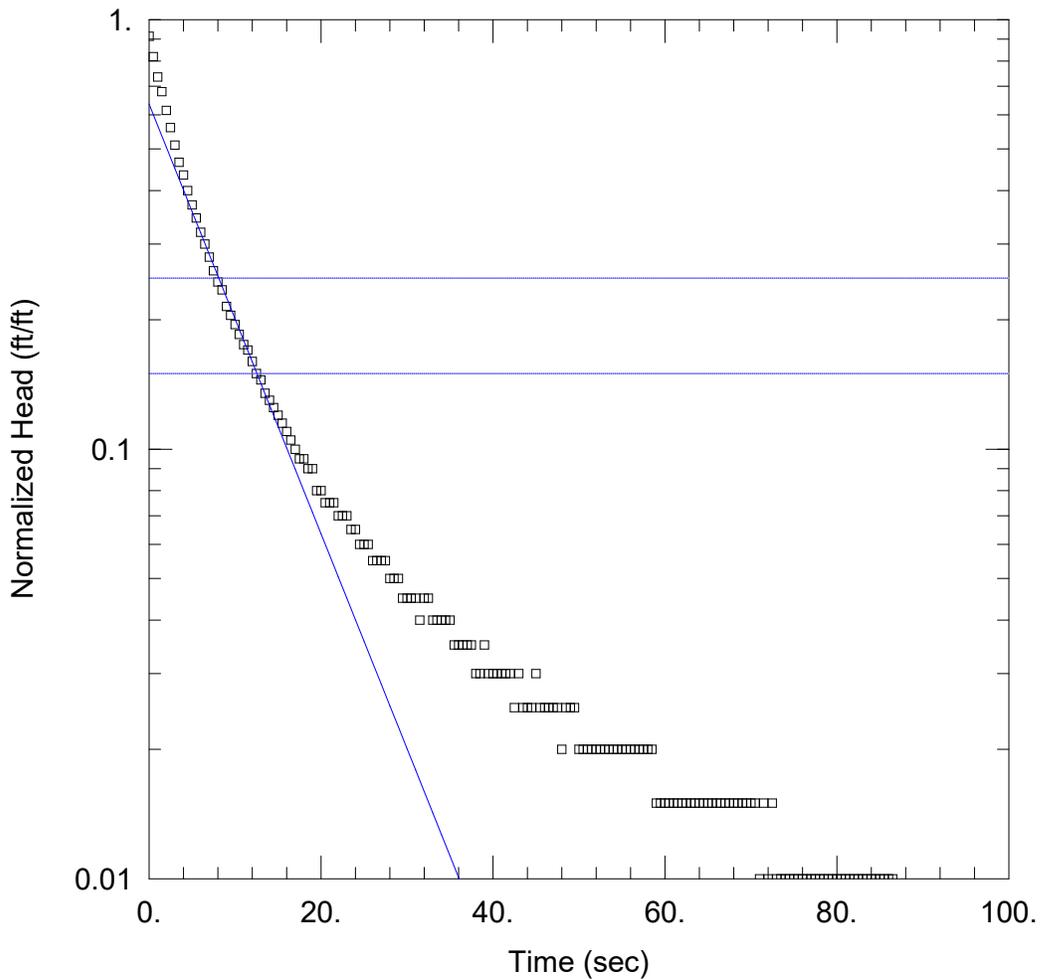
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 0.0001211$ ft/sec

$y_0 = -1.305$ ft



MW-343 RISING 2

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-343 Slug out 2 Hvorslev.aqt

Date: 06/02/20

Time: 09:29:22

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-343

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-343)

Initial Displacement: -2. ft

Static Water Column Height: 90.5 ft

Total Well Penetration Depth: 35.17 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

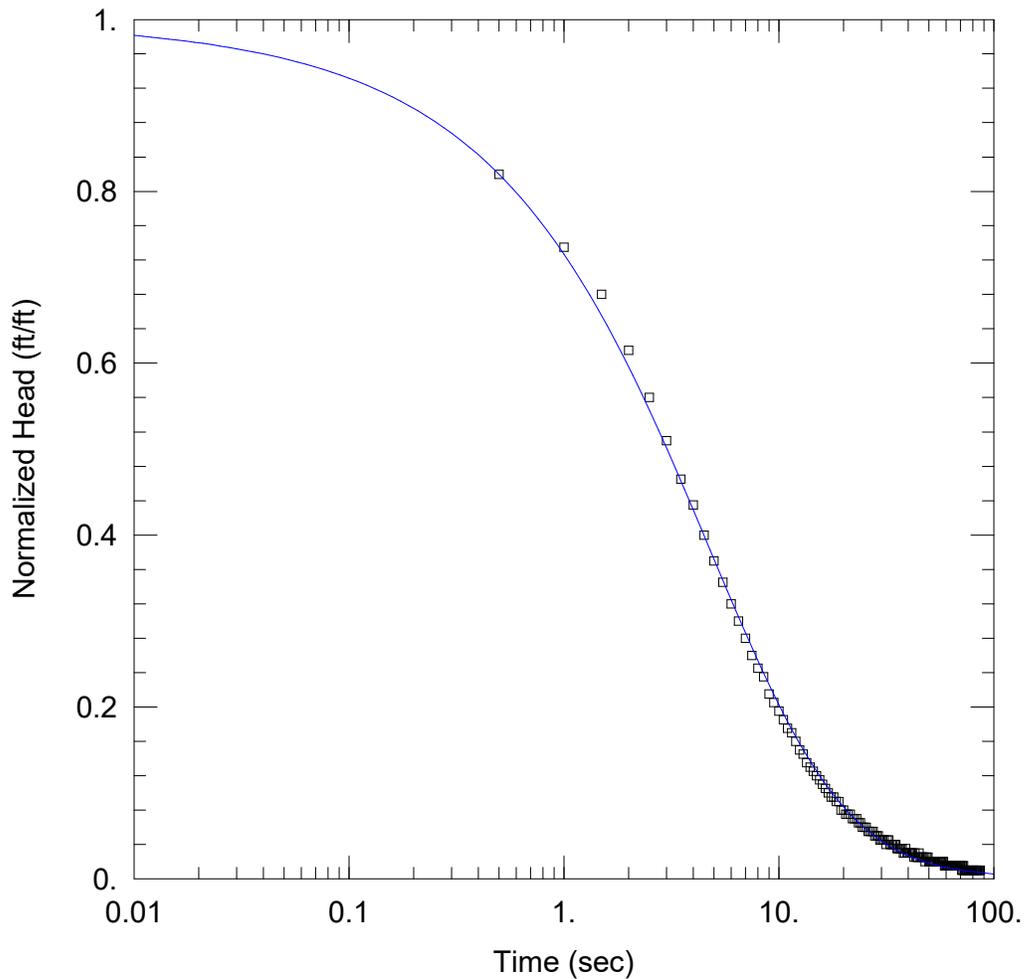
SOLUTION

Aquifer Model: Confined

Solution Method: Hvorslev

$K = 0.0001463$ ft/sec

$y_0 = -1.271$ ft



MW-343 RISING 2

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-343 Slug out 2 KGS.aqt
 Date: 06/02/20 Time: 09:30:18

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-343

AQUIFER DATA

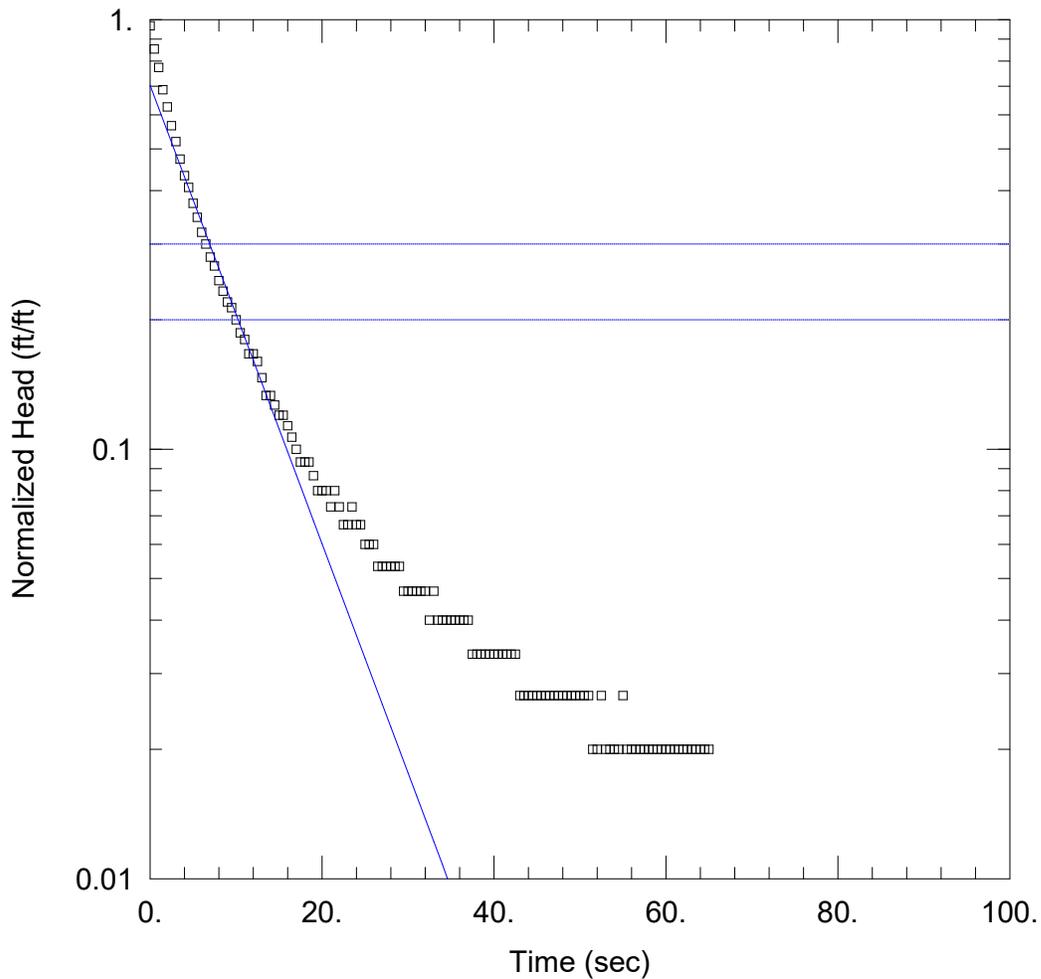
Saturated Thickness: 54. ft

WELL DATA (MW-343)

Initial Displacement: <u>-2. ft</u>	Static Water Column Height: <u>90.5 ft</u>
Total Well Penetration Depth: <u>35.17 ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.25 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>0.0001435 ft/sec</u>	Ss = <u>0.0002845 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



MW-343 RISING 3

Data Set: C:\...\MW-343 Slug out 3 Bower-Rice.aqt

Date: 06/02/20

Time: 09:36:02

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-343

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-343)

Initial Displacement: -1.5 ft

Static Water Column Height: 90.5 ft

Total Well Penetration Depth: 35.17 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

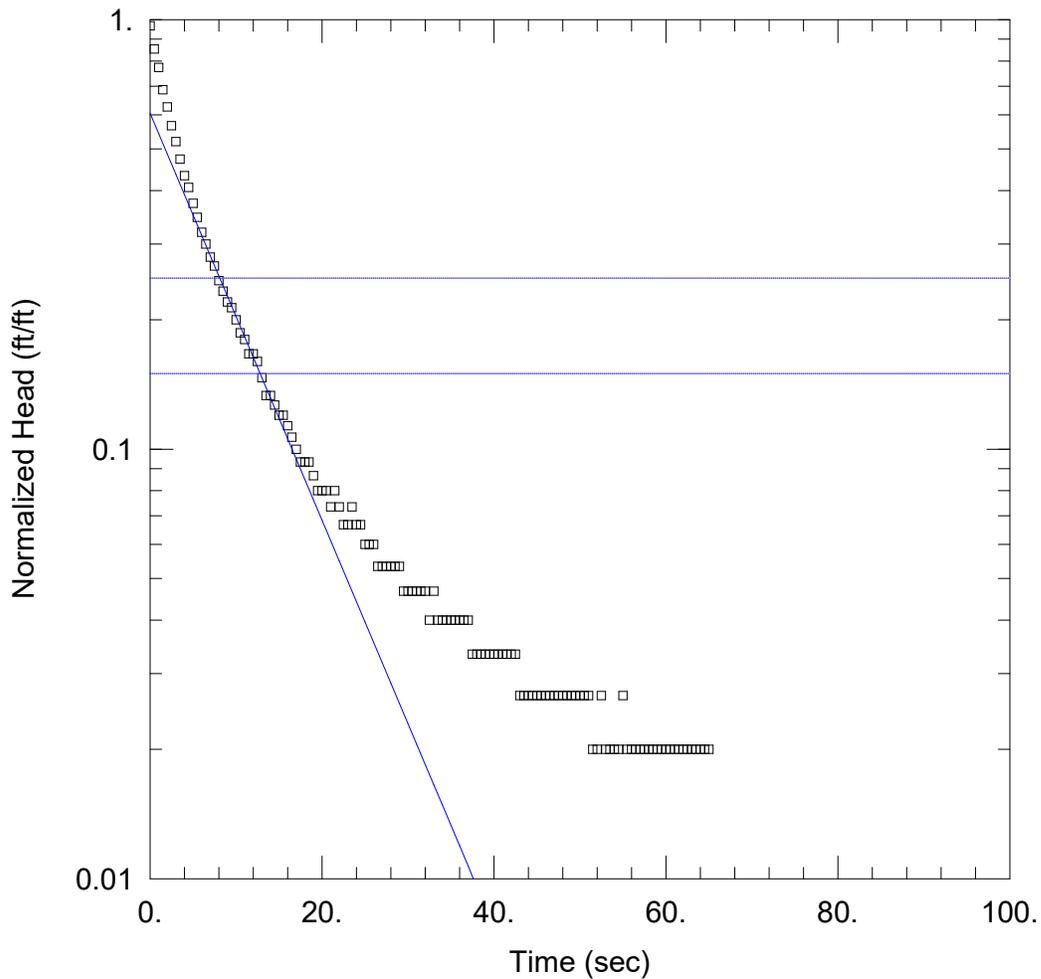
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 0.0001245$ ft/sec

$y_0 = -1.054$ ft



MW-343 RISING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-343 Slug out_3 Hvorslev.aqt
 Date: 06/02/20 Time: 09:34:40

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-343

AQUIFER DATA

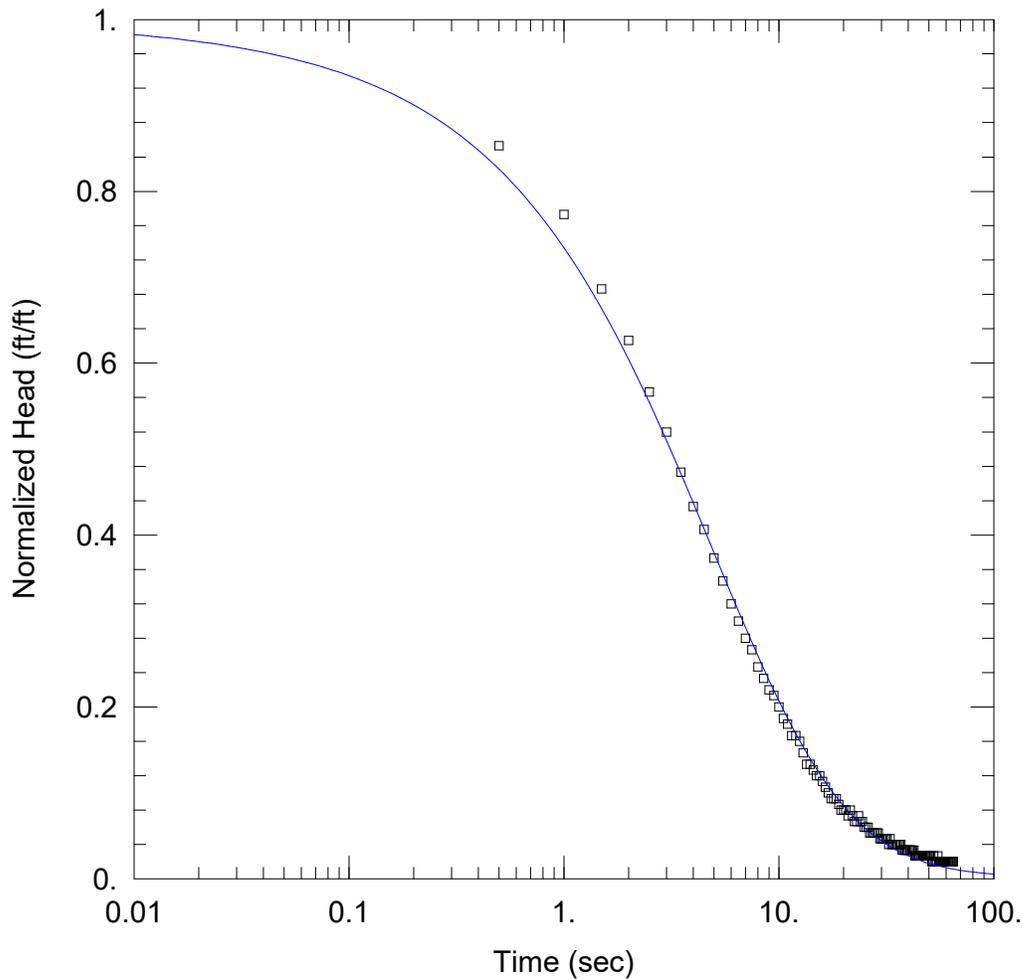
Saturated Thickness: 54. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-343)

Initial Displacement: -1.5 ft Static Water Column Height: 90.5 ft
 Total Well Penetration Depth: 35.17 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
 K = 0.0001386 ft/sec y0 = -0.9079 ft



MW-343 RISING 3

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-343 Slug out_3 KGS.aqt
 Date: 06/02/20 Time: 09:34:56

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-343

AQUIFER DATA

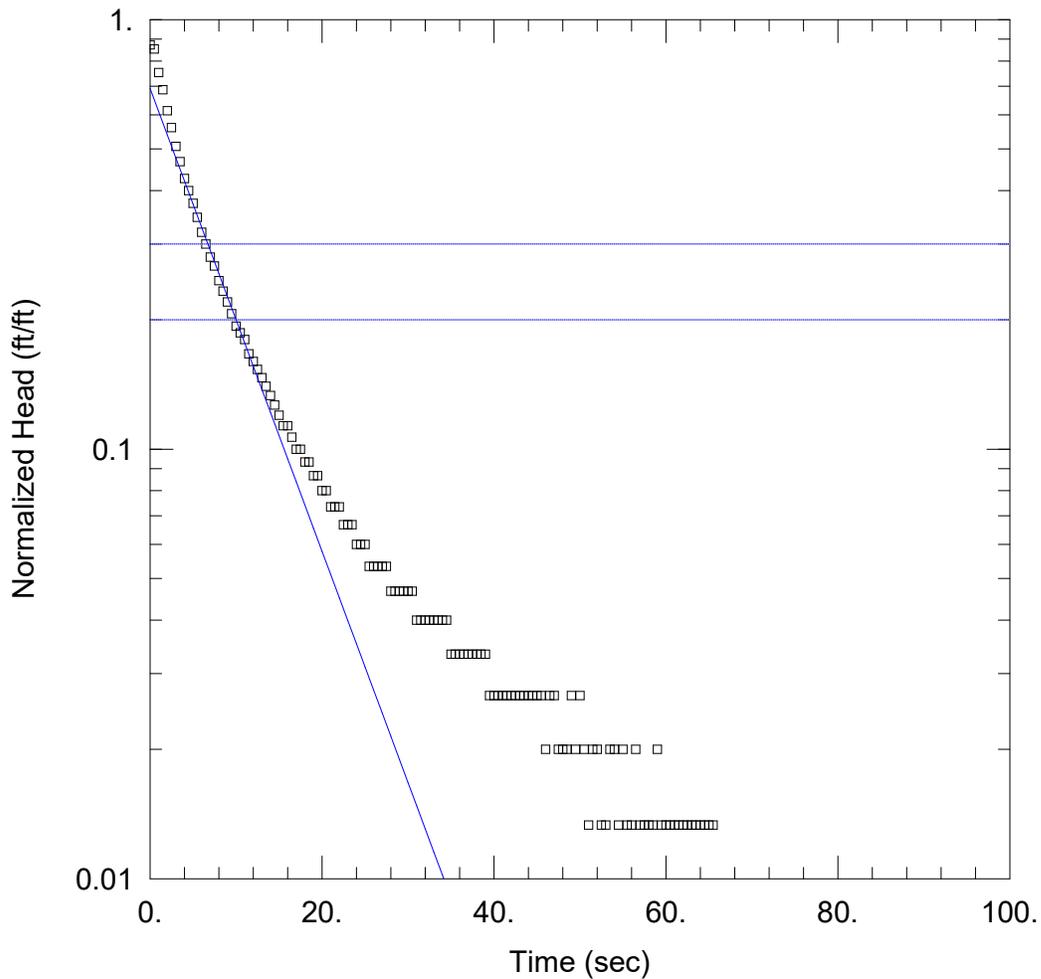
Saturated Thickness: 54. ft

WELL DATA (MW-343)

Initial Displacement: <u>-1.5 ft</u>	Static Water Column Height: <u>90.5 ft</u>
Total Well Penetration Depth: <u>35.17 ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.25 ft</u>

SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>0.0001429 ft/sec</u>	Ss = <u>0.0002524 ft⁻¹</u>
Kz/Kr = <u>1.</u>	



MW-343 RISING 4

Data Set: C:\...\MW-343 Slug out 4 Bower-Rice.aqt

Date: 06/02/20

Time: 09:38:02

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-343

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-343)

Initial Displacement: -1.5 ft

Static Water Column Height: 90.5 ft

Total Well Penetration Depth: 35.17 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

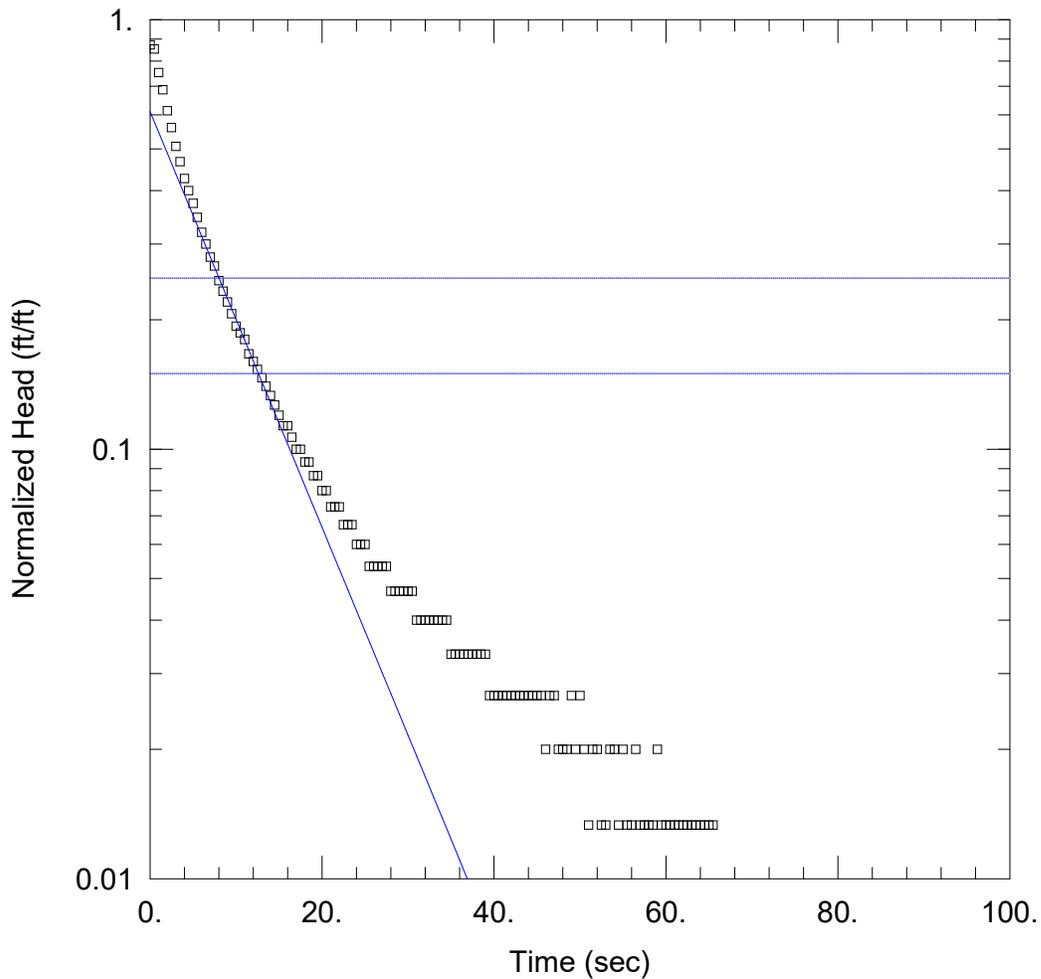
SOLUTION

Aquifer Model: Confined

Solution Method: Bower-Rice

$K = 0.0001257$ ft/sec

$y_0 = -1.036$ ft



MW-343 RISING 4

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-343 Slug out_4 Hvorslev.aqt

Date: 06/02/20

Time: 09:41:14

PROJECT INFORMATION

Company: PES Environmental

Client: BMR Dexter

Project: 1413.001.02.501C

Location: Seattle, WA

Test Well: MW-343

AQUIFER DATA

Saturated Thickness: 54. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-343)

Initial Displacement: -1.5 ft

Static Water Column Height: 90.5 ft

Total Well Penetration Depth: 35.17 ft

Screen Length: 10. ft

Casing Radius: 0.083 ft

Well Radius: 0.25 ft

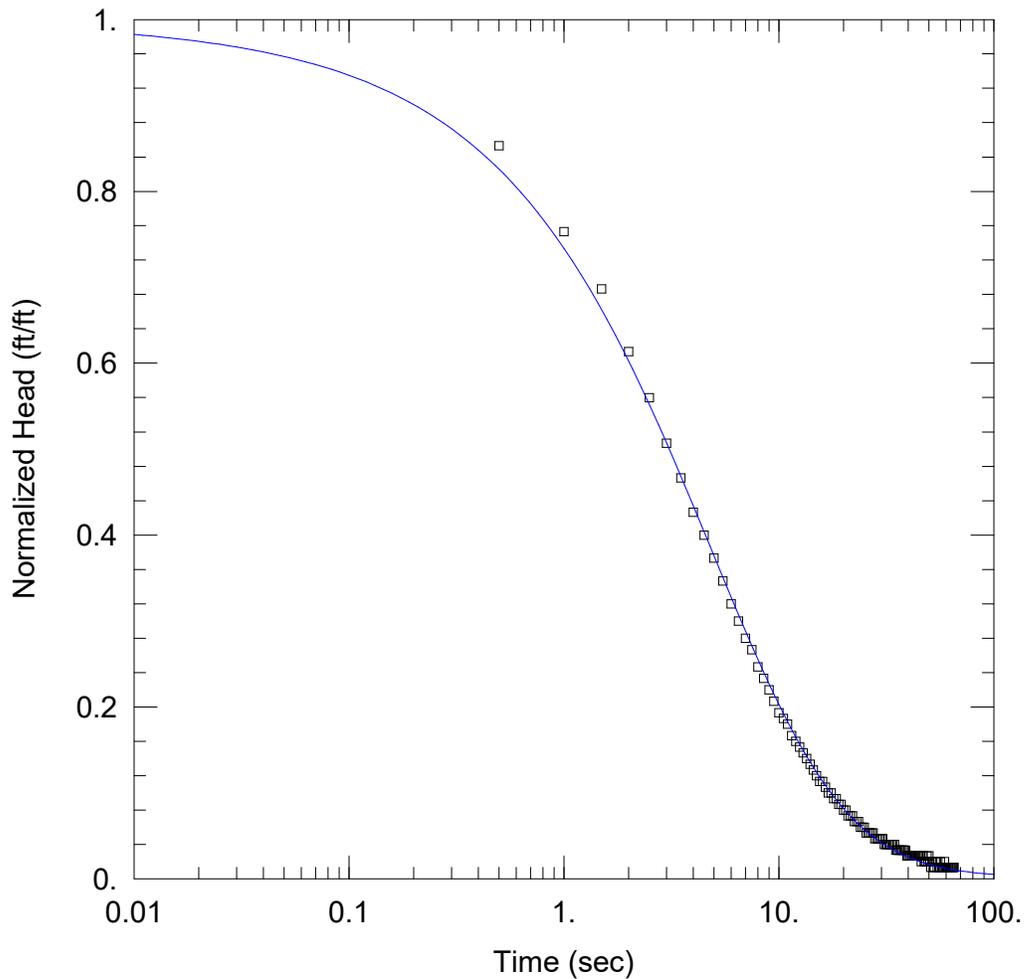
SOLUTION

Aquifer Model: Confined

Solution Method: Hvorslev

$K = 0.0001416$ ft/sec

$y_0 = -0.9159$ ft



MW-343 RISING 4

Data Set: C:\Program Files (x86)\HydroSOLVE\AQTESOLV Pro 4.0\MW-343 Slug out_4 Hvorslev.aqt
 Date: 06/02/20 Time: 09:40:17

PROJECT INFORMATION

Company: PES Environmental
 Client: BMR Dexter
 Project: 1413.001.02.501C
 Location: Seattle, WA
 Test Well: MW-343

AQUIFER DATA

Saturated Thickness: 54. ft

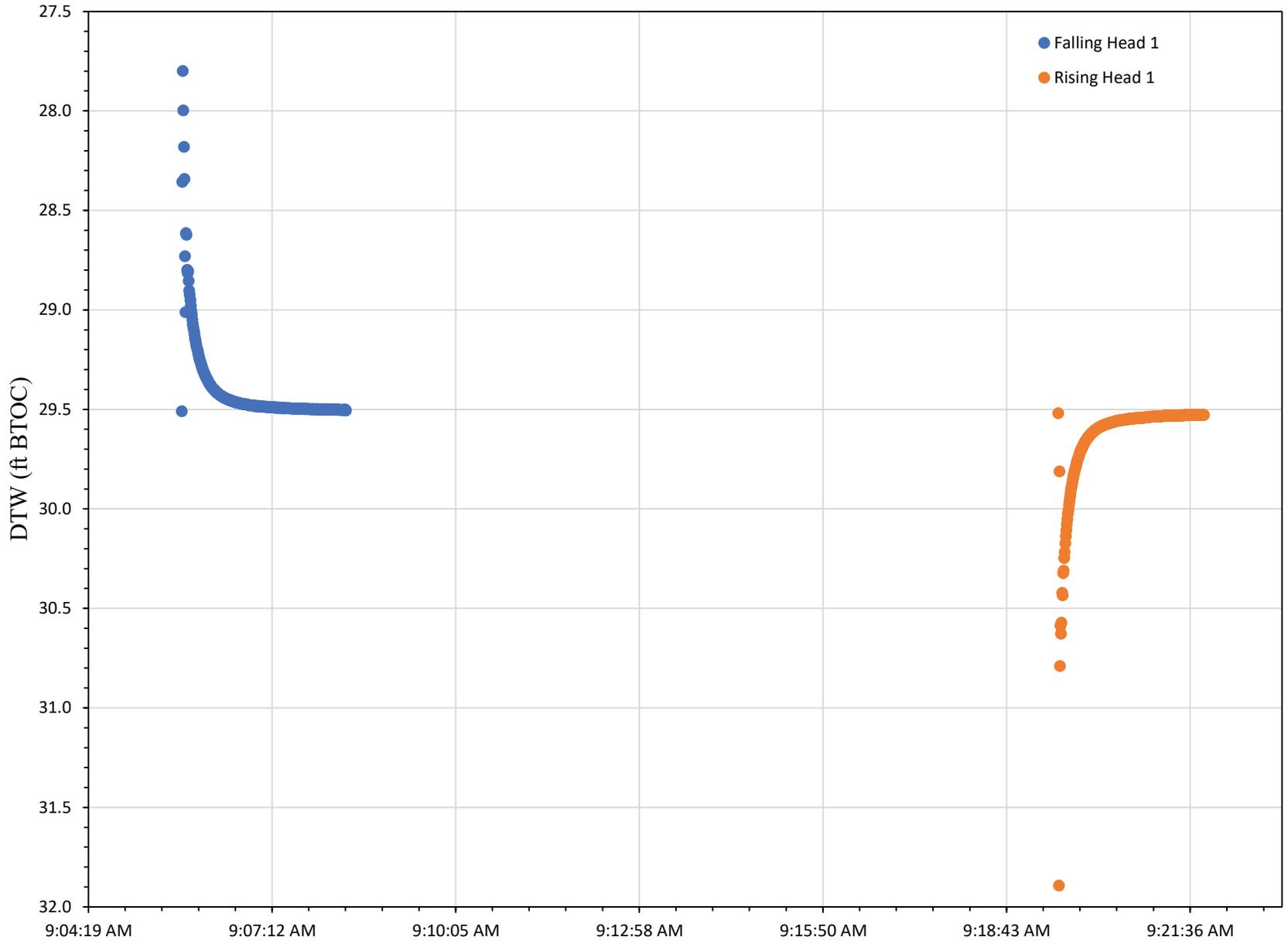
WELL DATA (MW-343)

Initial Displacement: <u>-1.5 ft</u>	Static Water Column Height: <u>90.5 ft</u>
Total Well Penetration Depth: <u>35.17 ft</u>	Screen Length: <u>10. ft</u>
Casing Radius: <u>0.083 ft</u>	Well Radius: <u>0.25 ft</u>

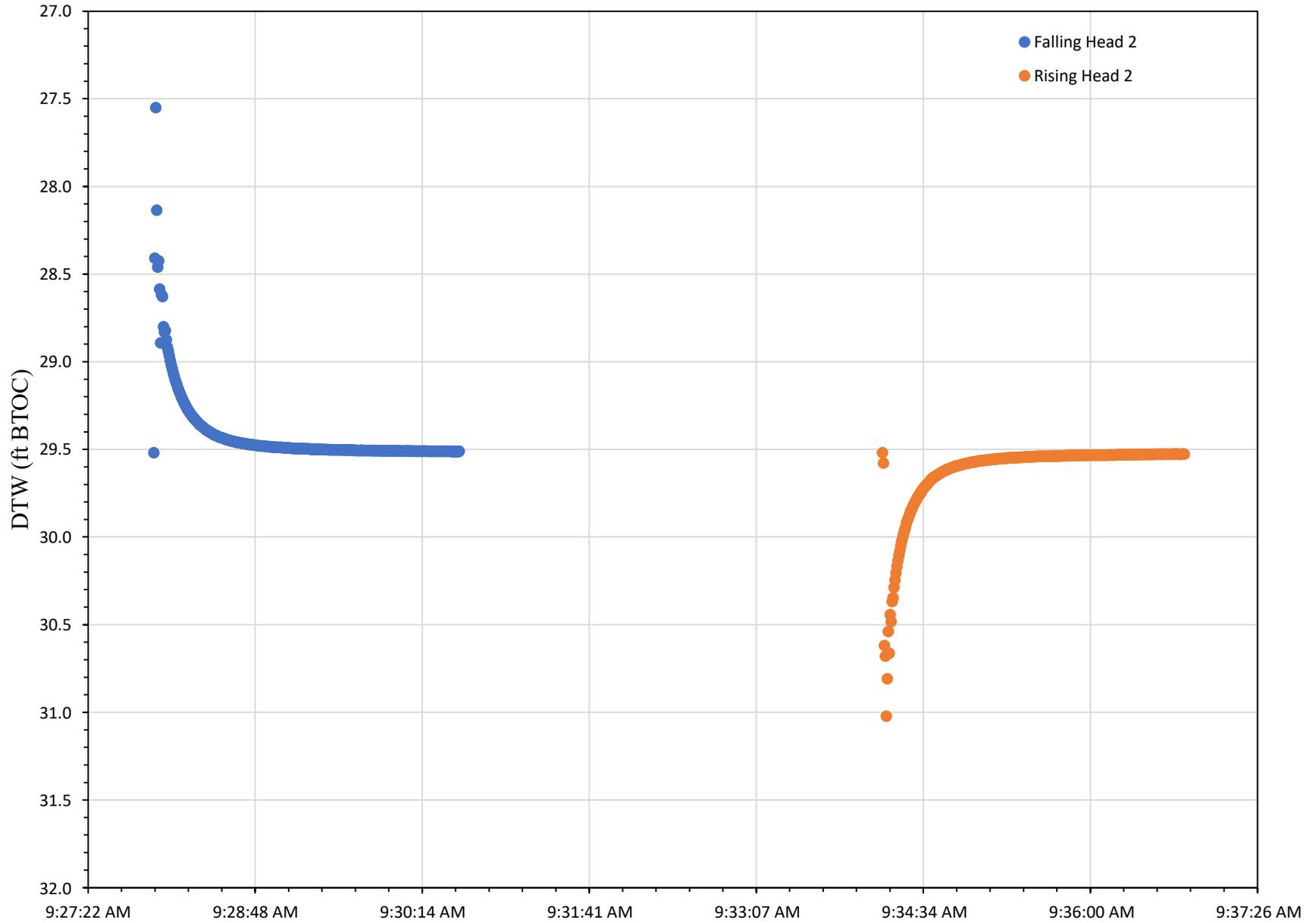
SOLUTION

Aquifer Model: <u>Confined</u>	Solution Method: <u>KGS Model</u>
Kr = <u>0.0001469 ft/sec</u>	Ss = <u>0.0002362 ft⁻¹</u>
Kz/Kr = <u>1.</u>	

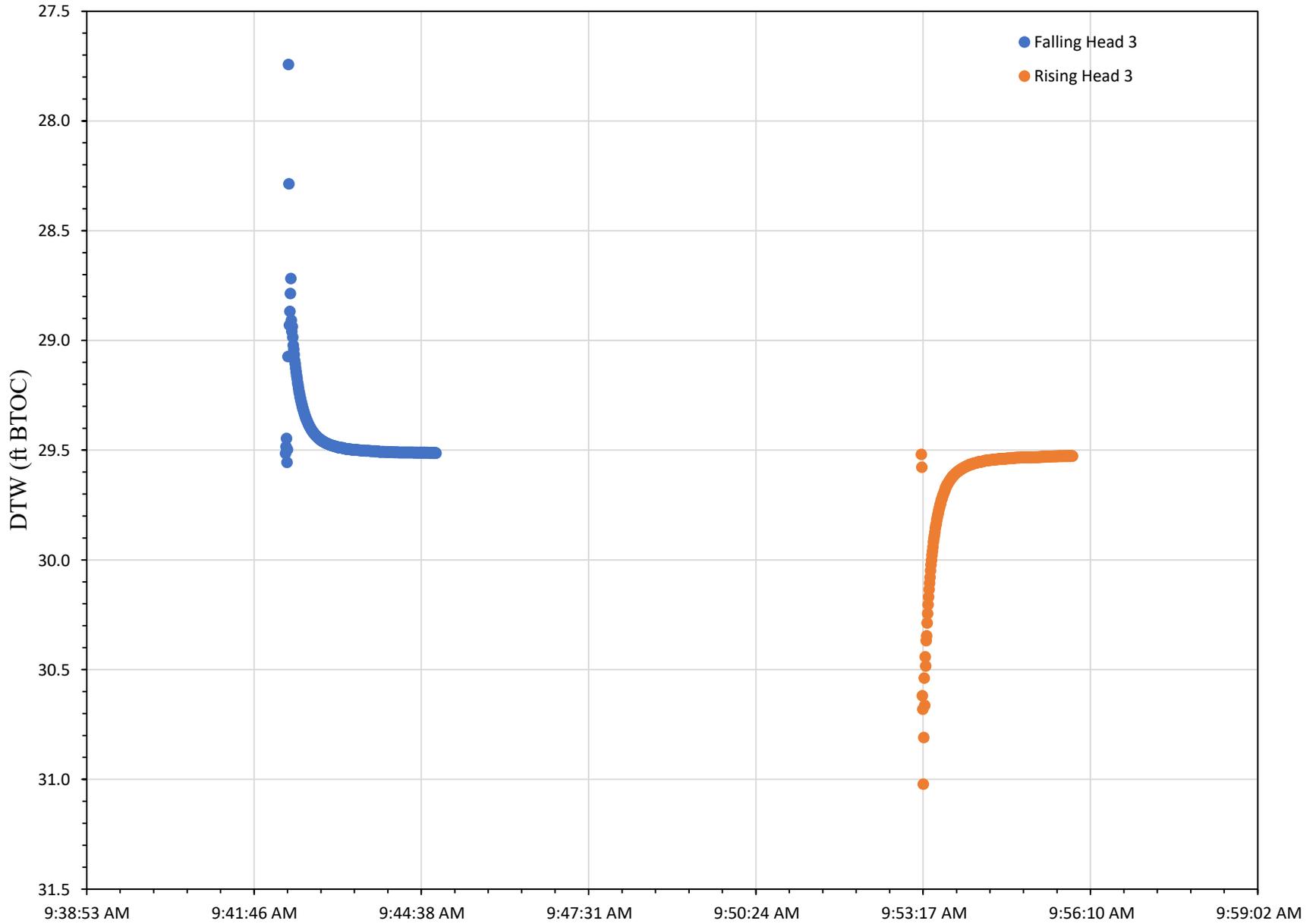
MW119 Hydrograph: Falling/Rising 1



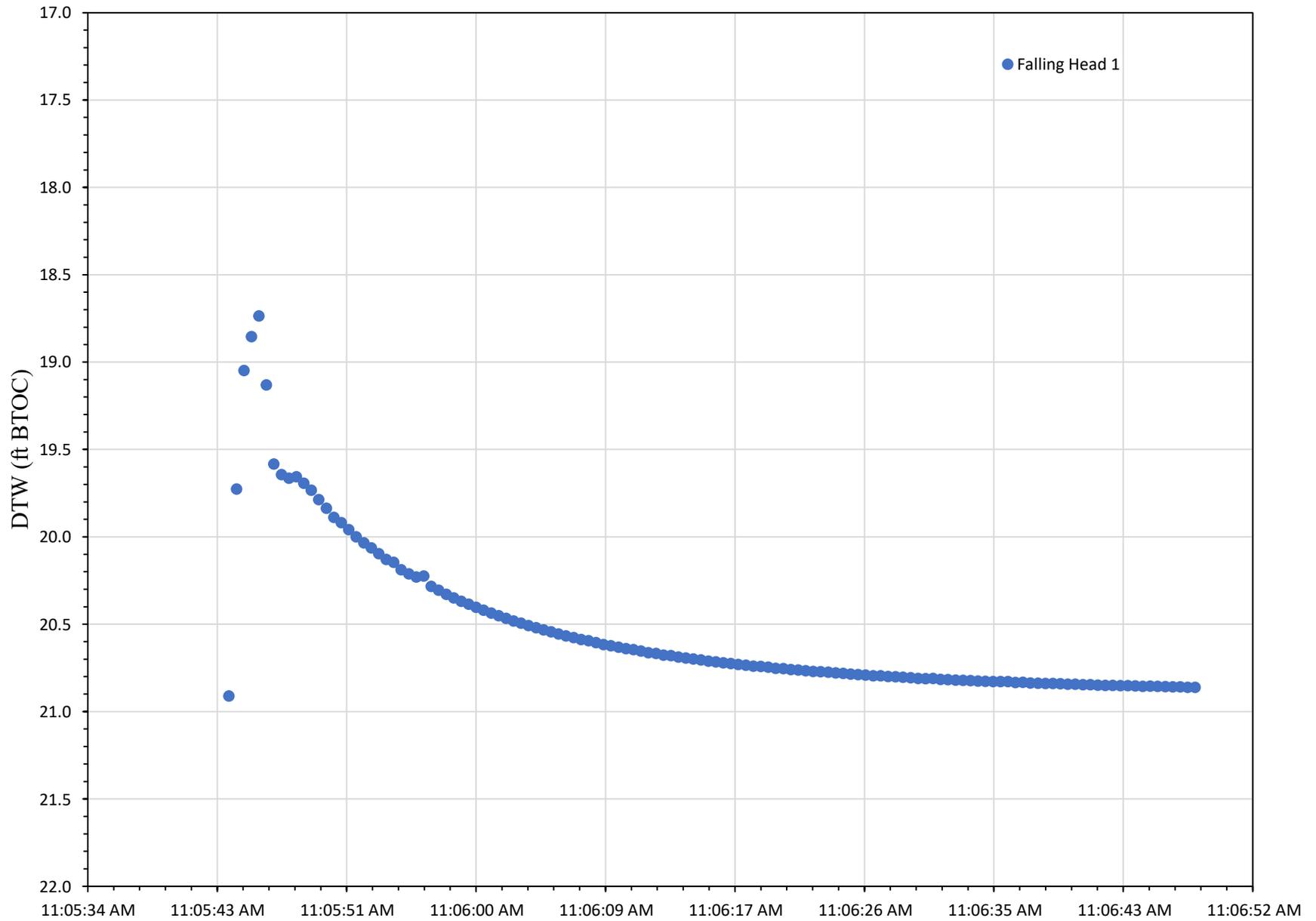
MW119 Hydrograph: Falling/Rising 2



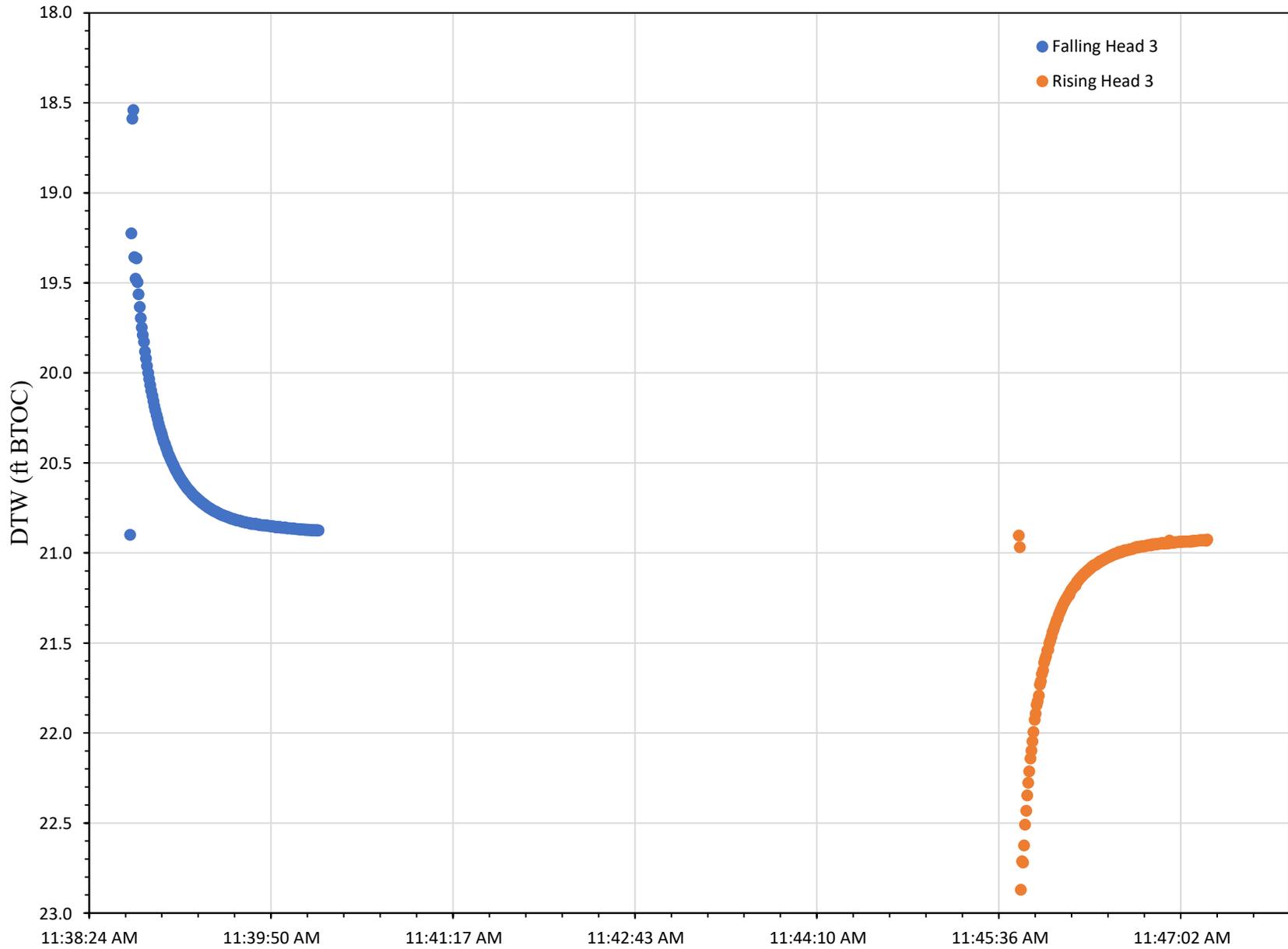
MW119 Hydrograph: Falling/Rising 3



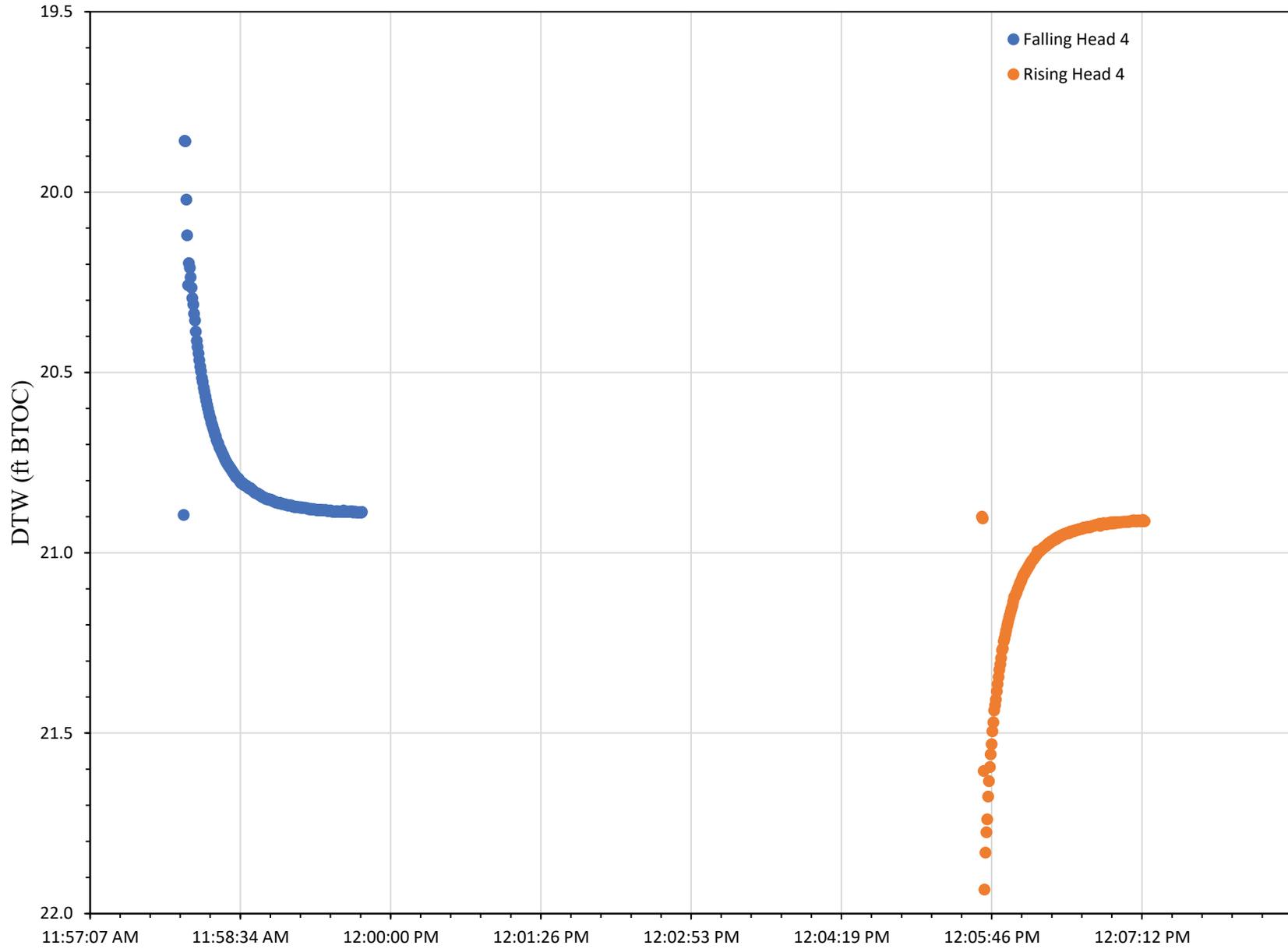
MW-319 Hydrograph: Falling 1



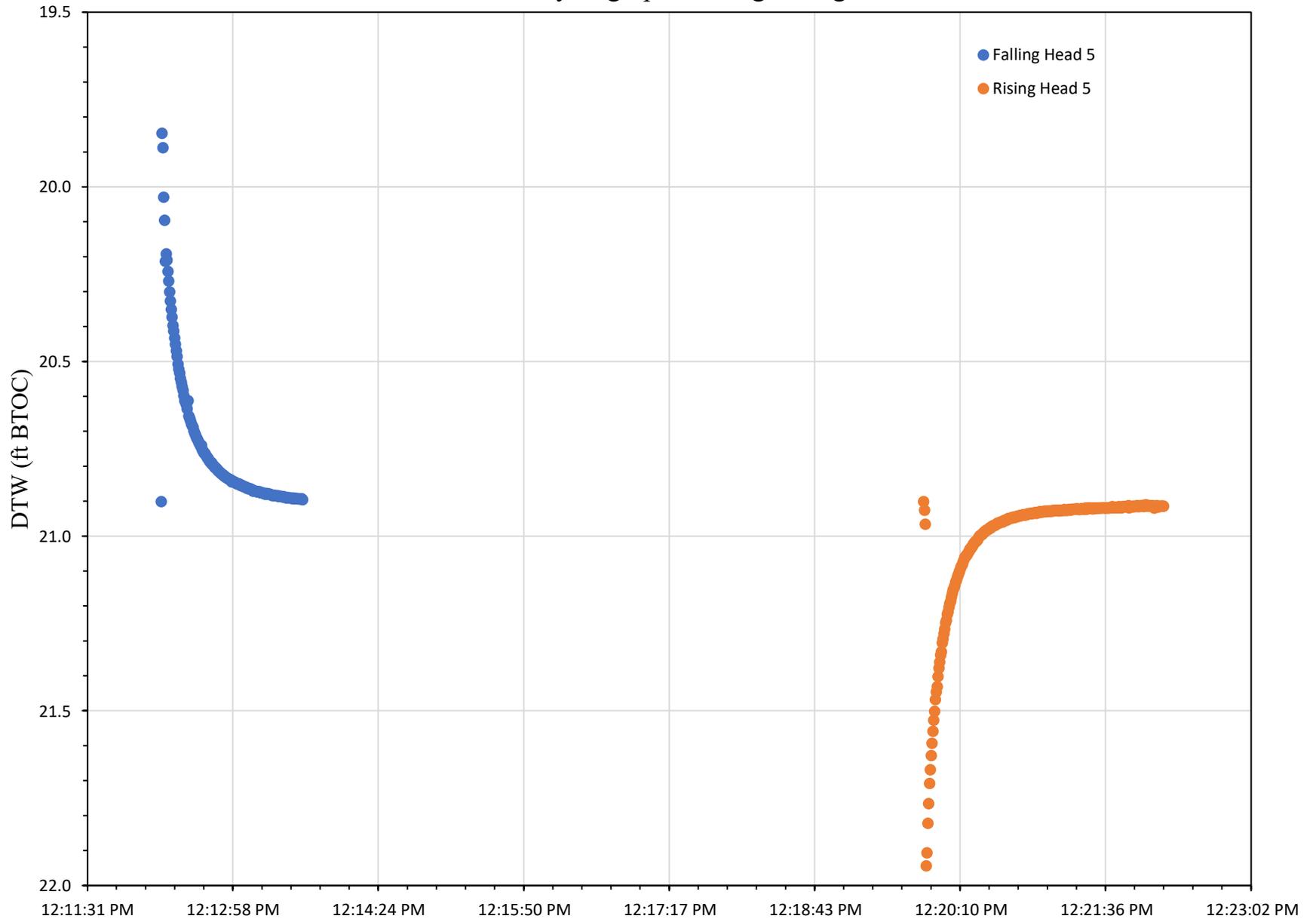
MW-319 Hydrograph: Falling/Rising 3



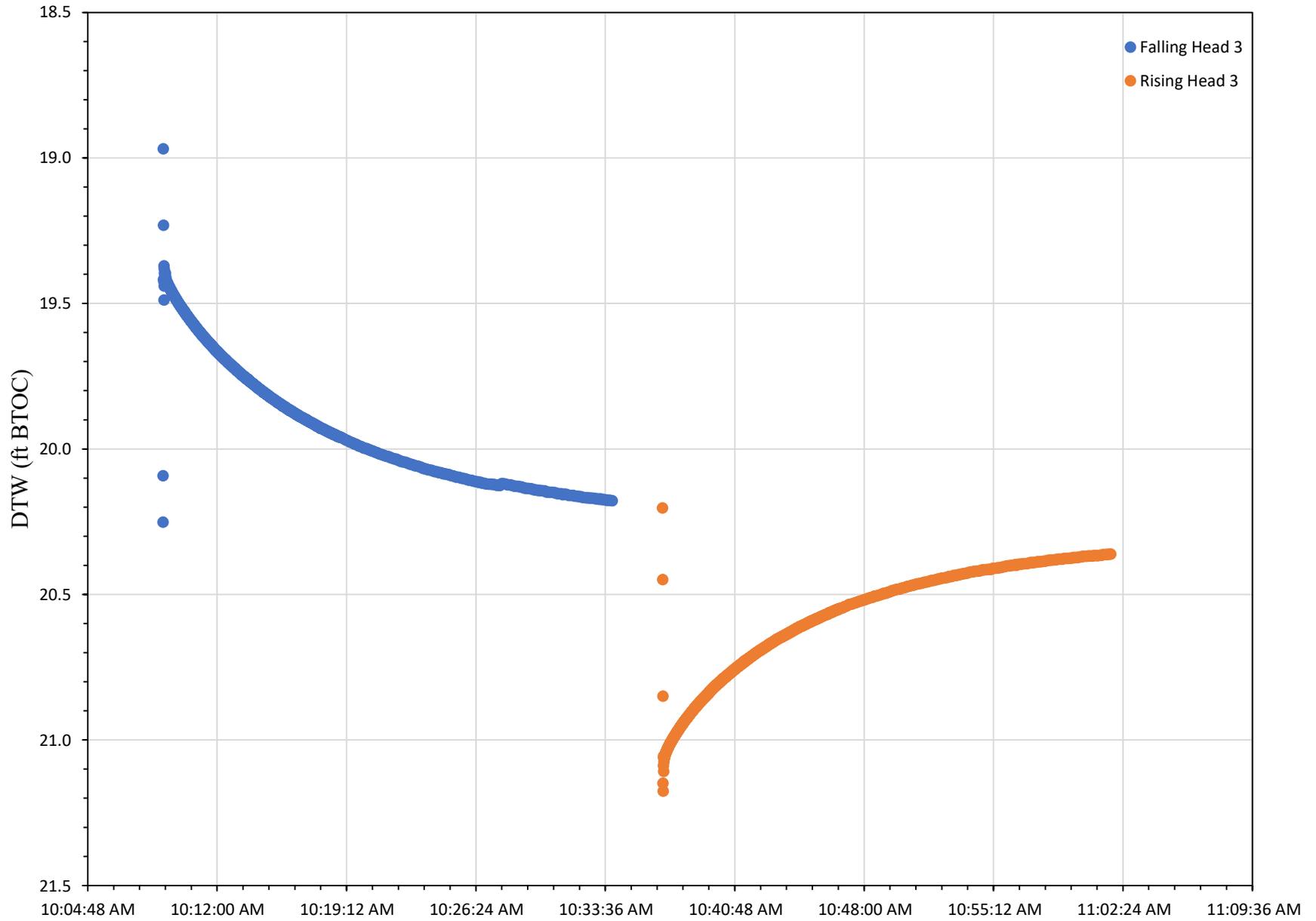
MW-319 Hydrograph: Falling/Rising 4



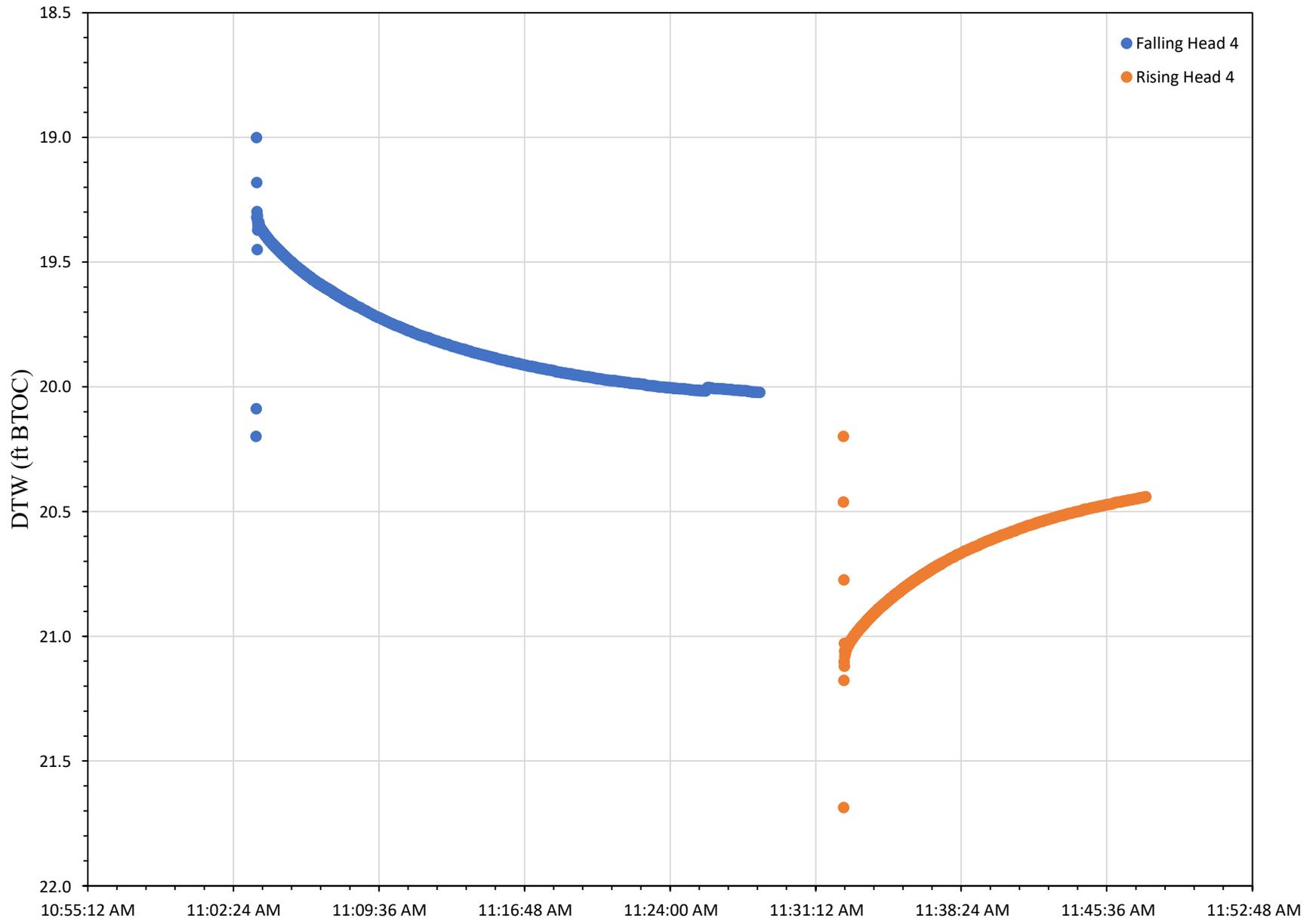
MW-319 Hydrograph: Falling/Rising 5



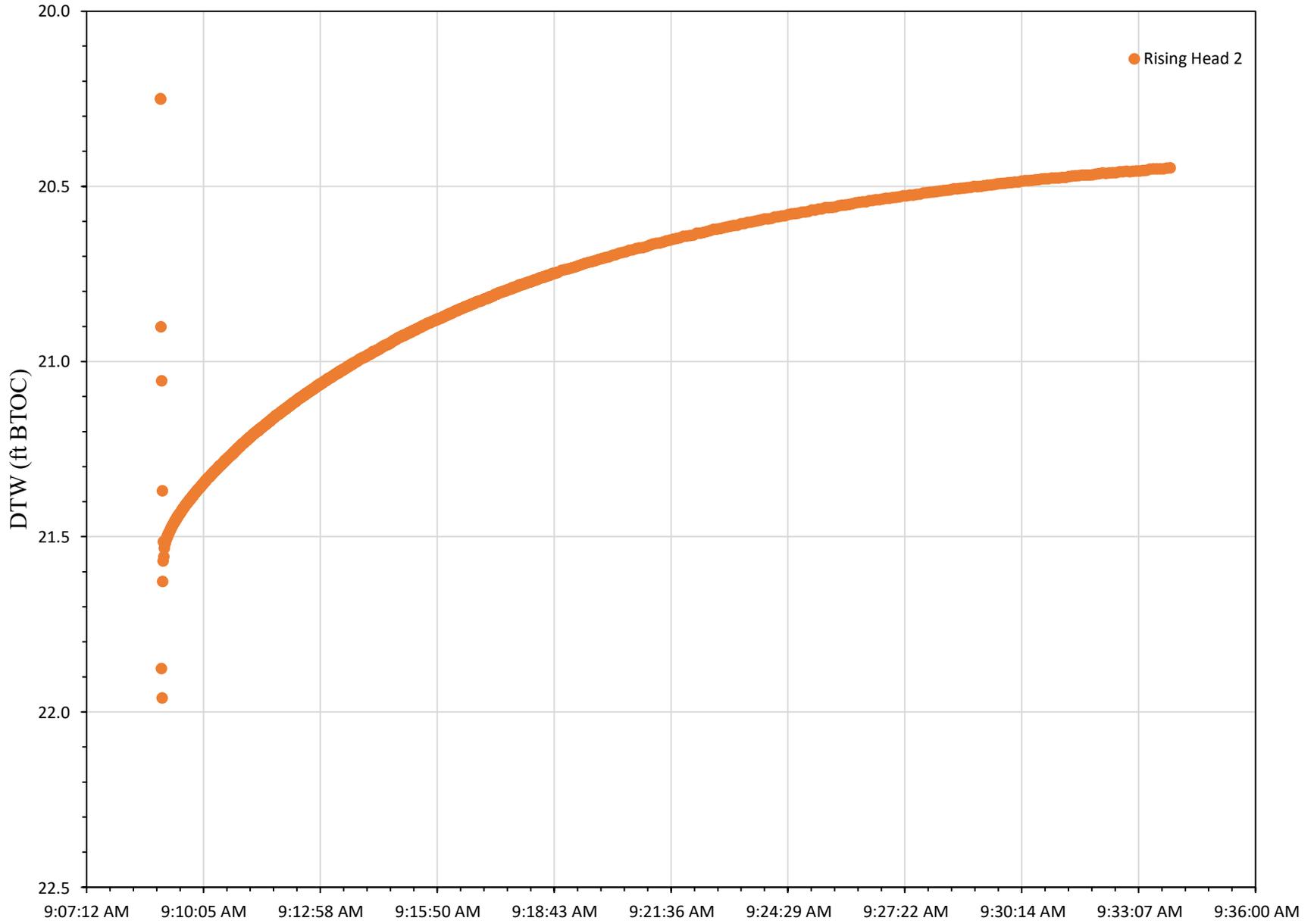
MW-333 Hydrograph: Falling/Rising 3



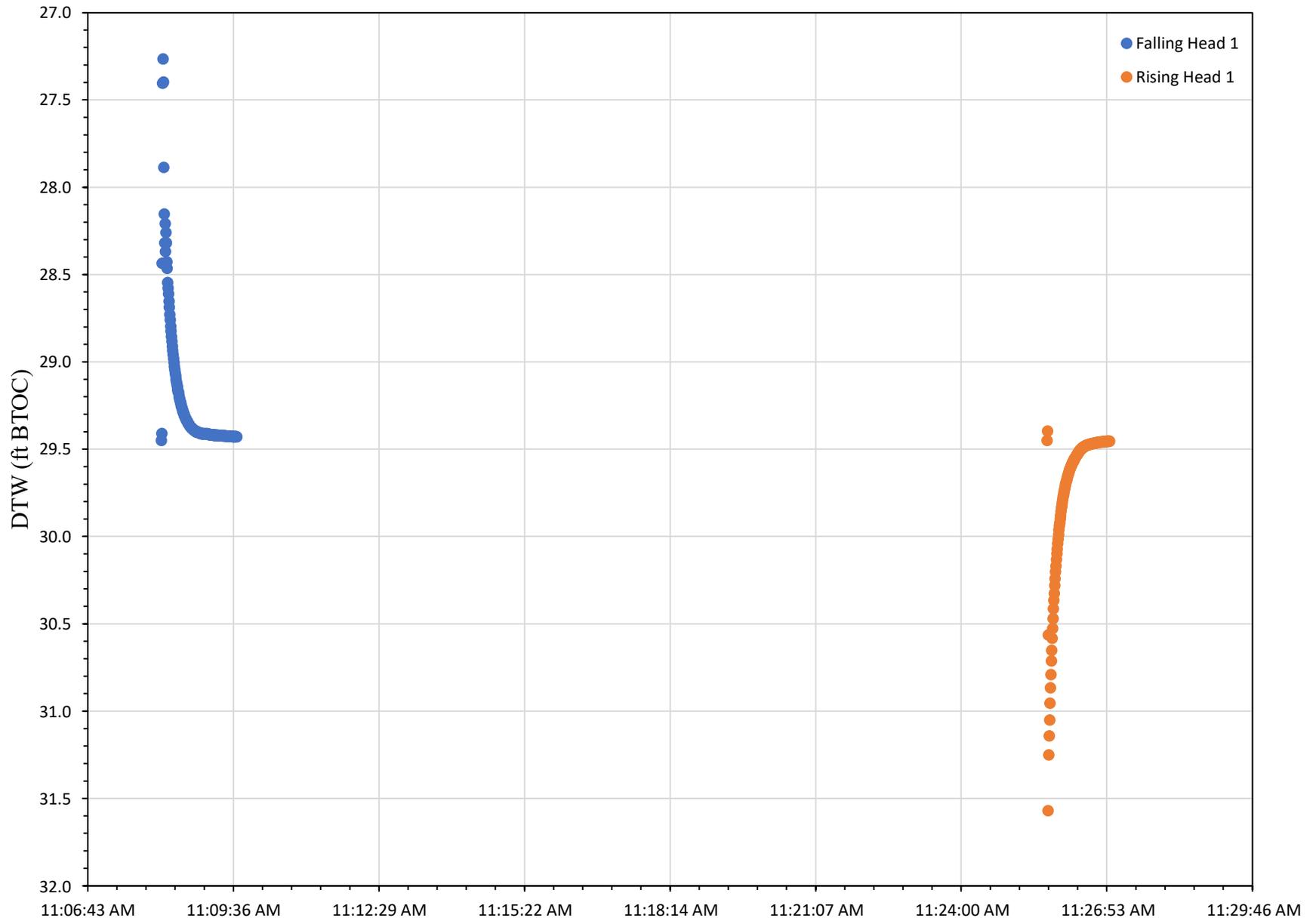
MW-333 Hydrograph: Falling/Rising 4



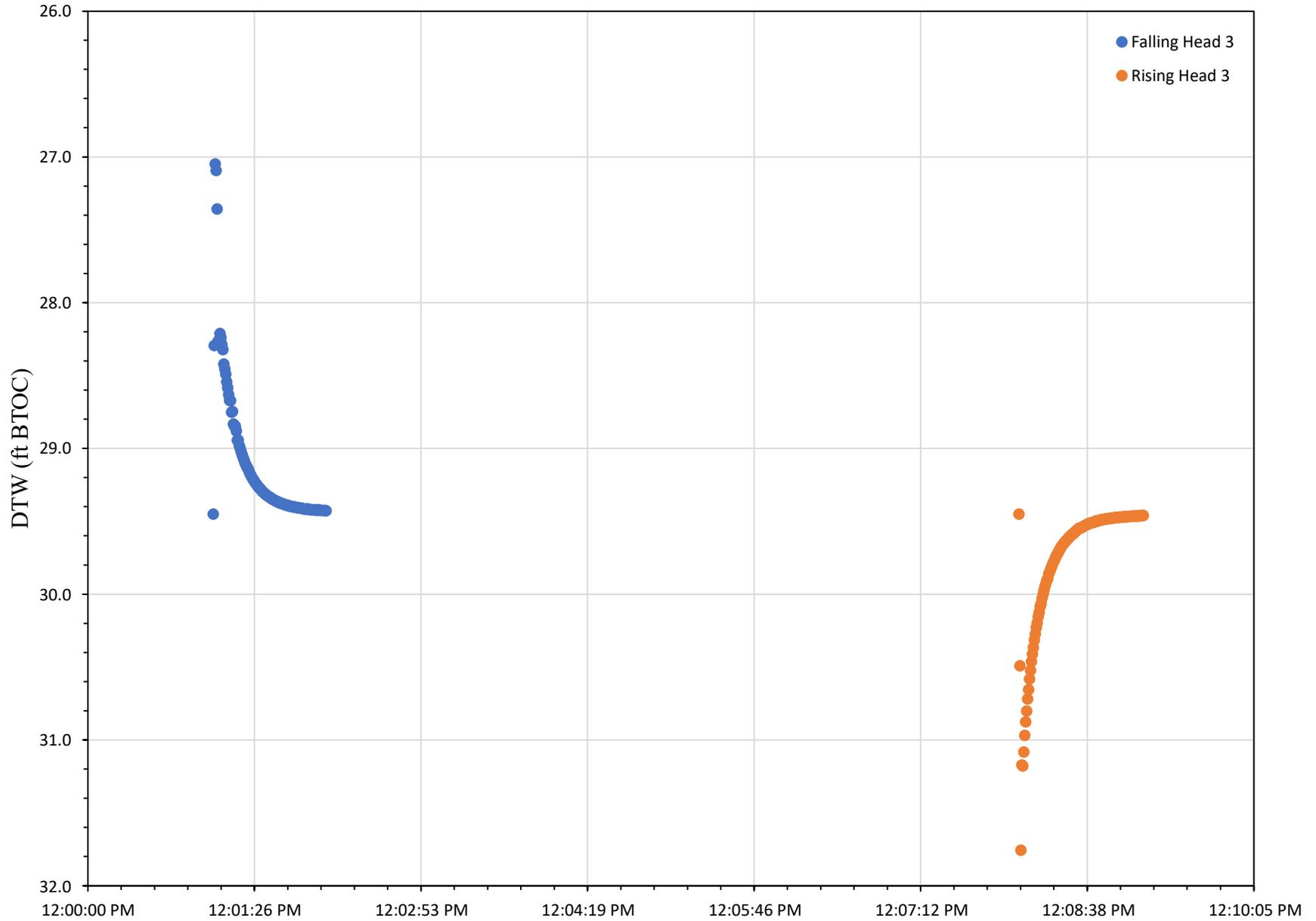
MW-333 Hydrograph: Rising 2



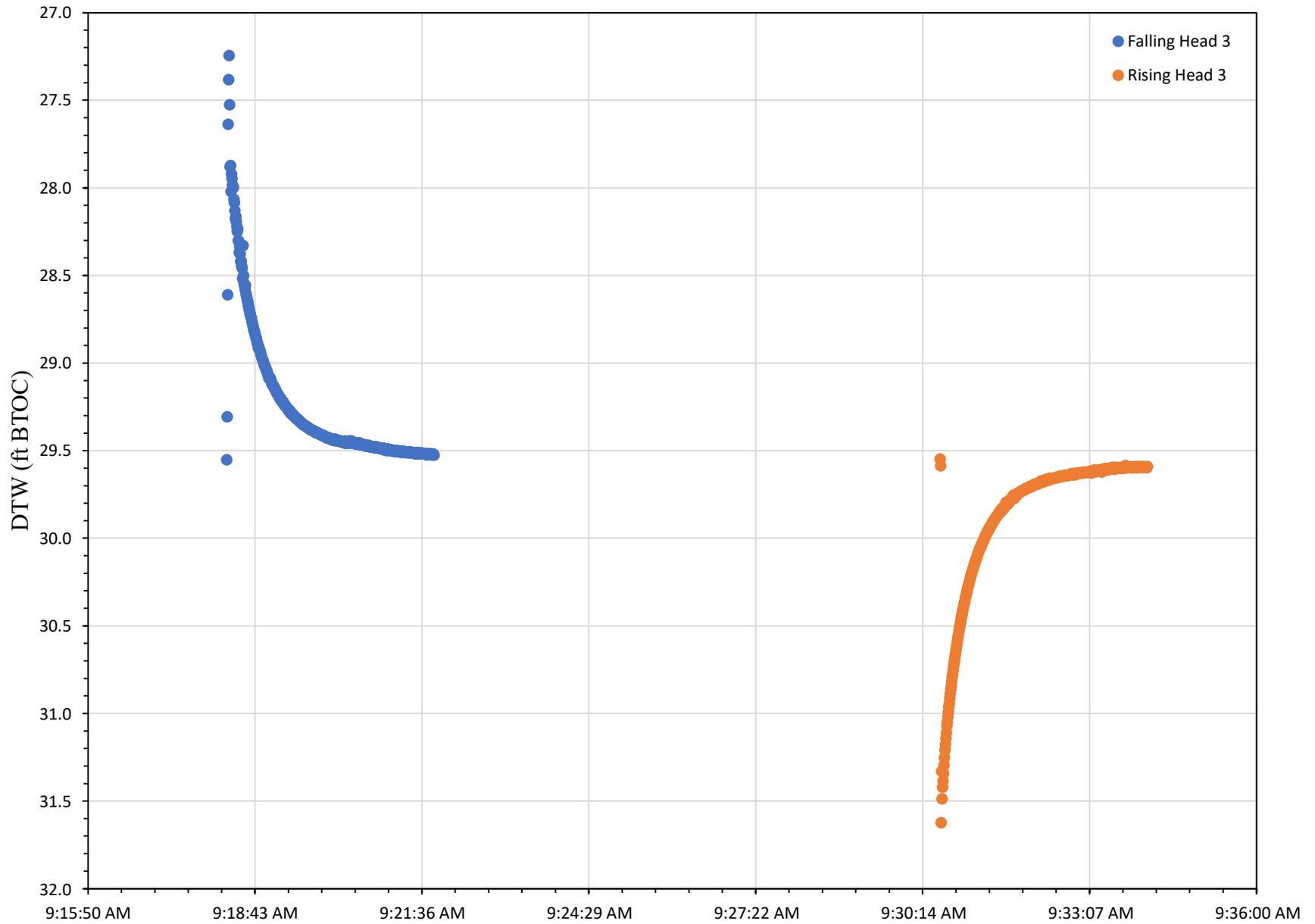
MW-335 Hydrograph: Falling/Rising 1



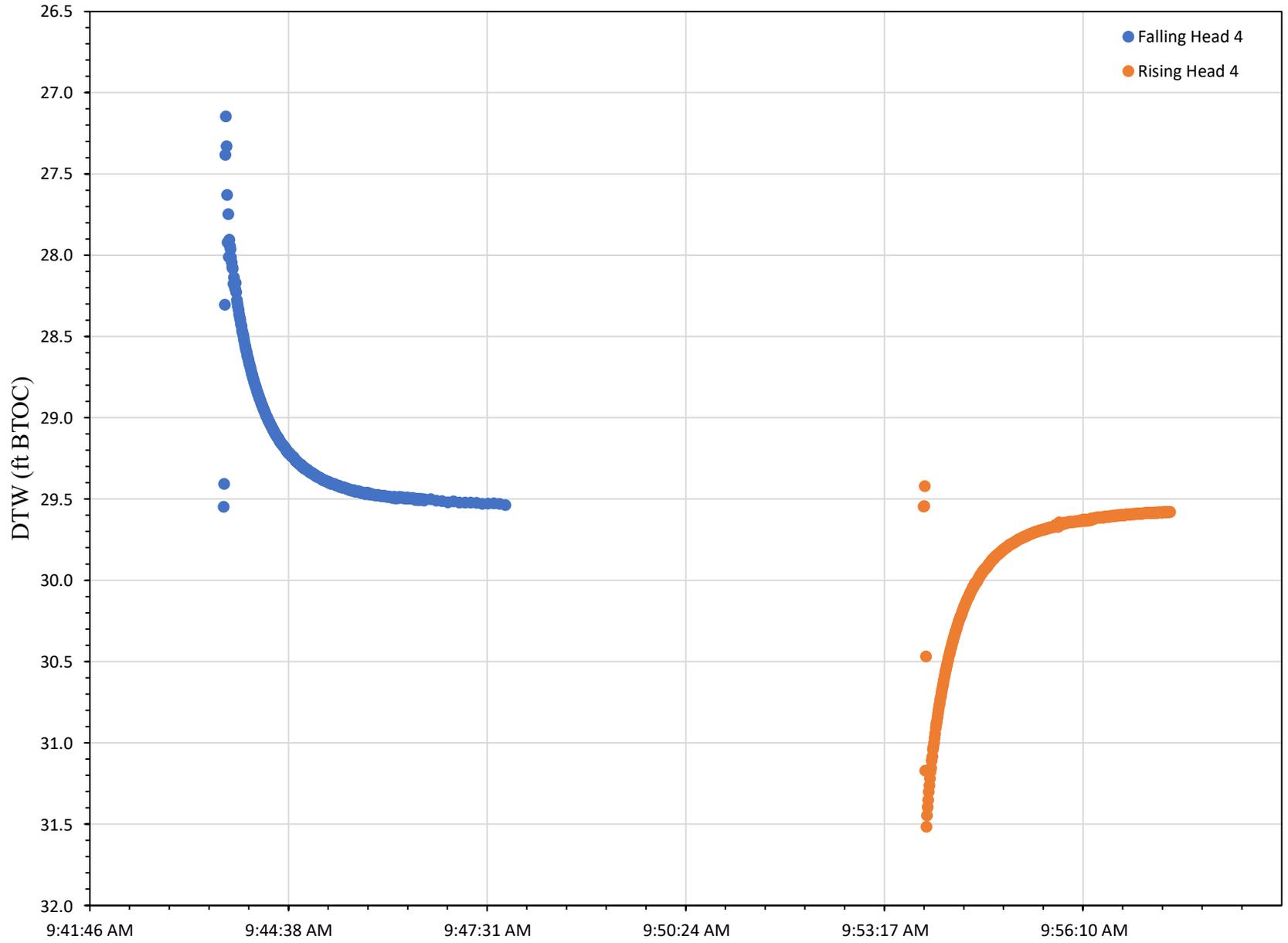
MW-335 Hydrograph: Falling/Rising 3



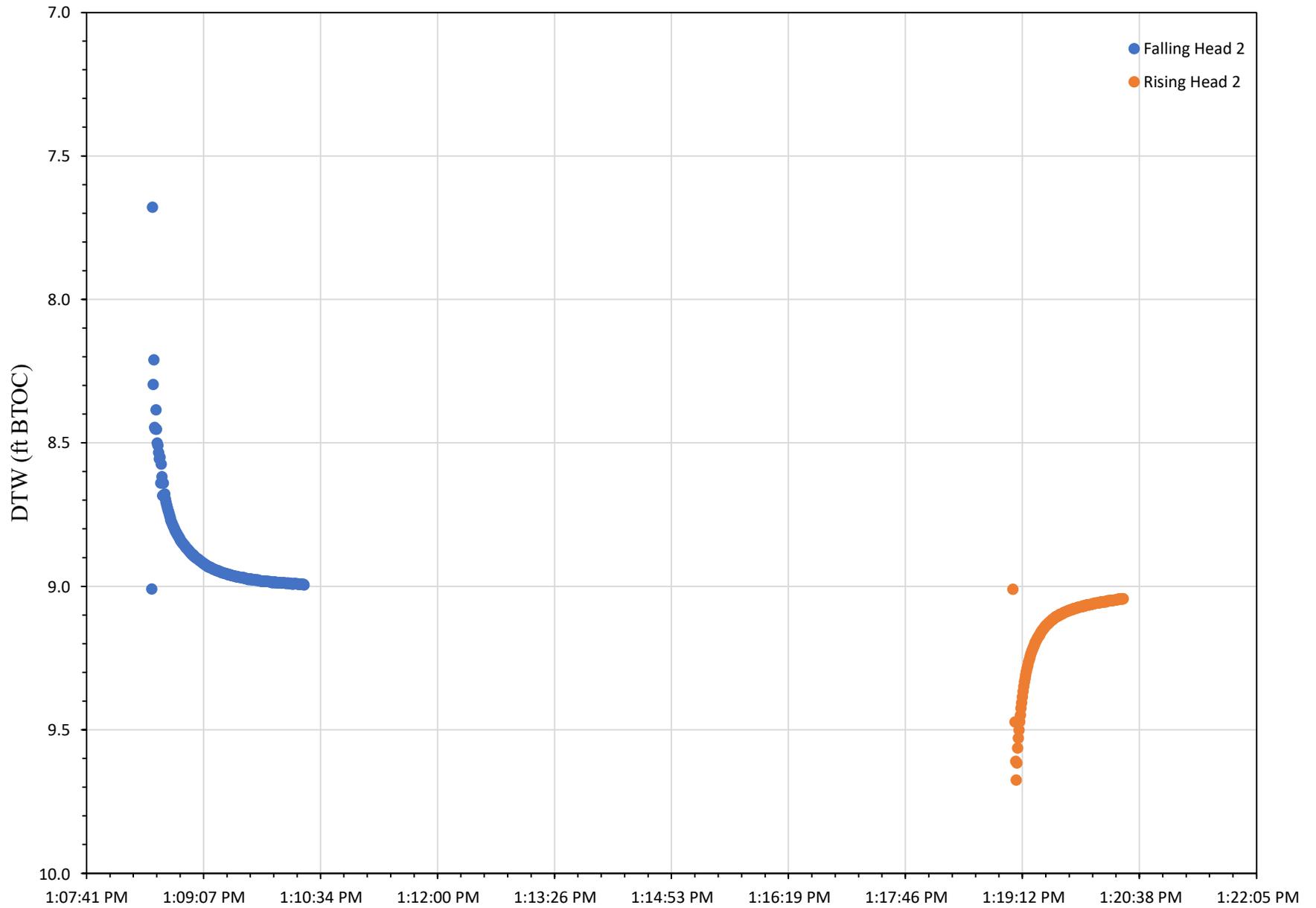
MW-336 Hydrograph: Falling/Rising 3



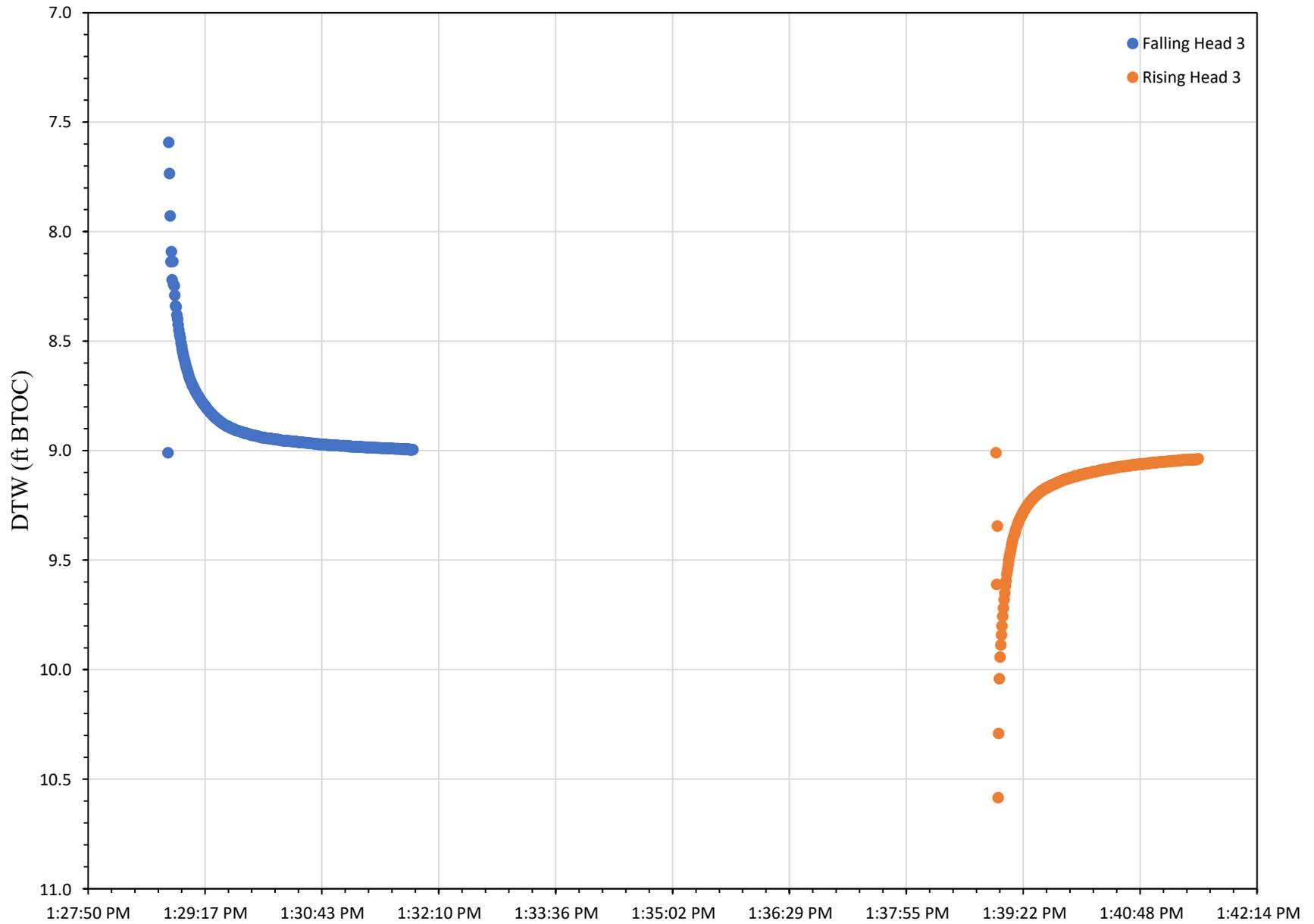
MW-336 Hydrograph: Falling/Rising 4



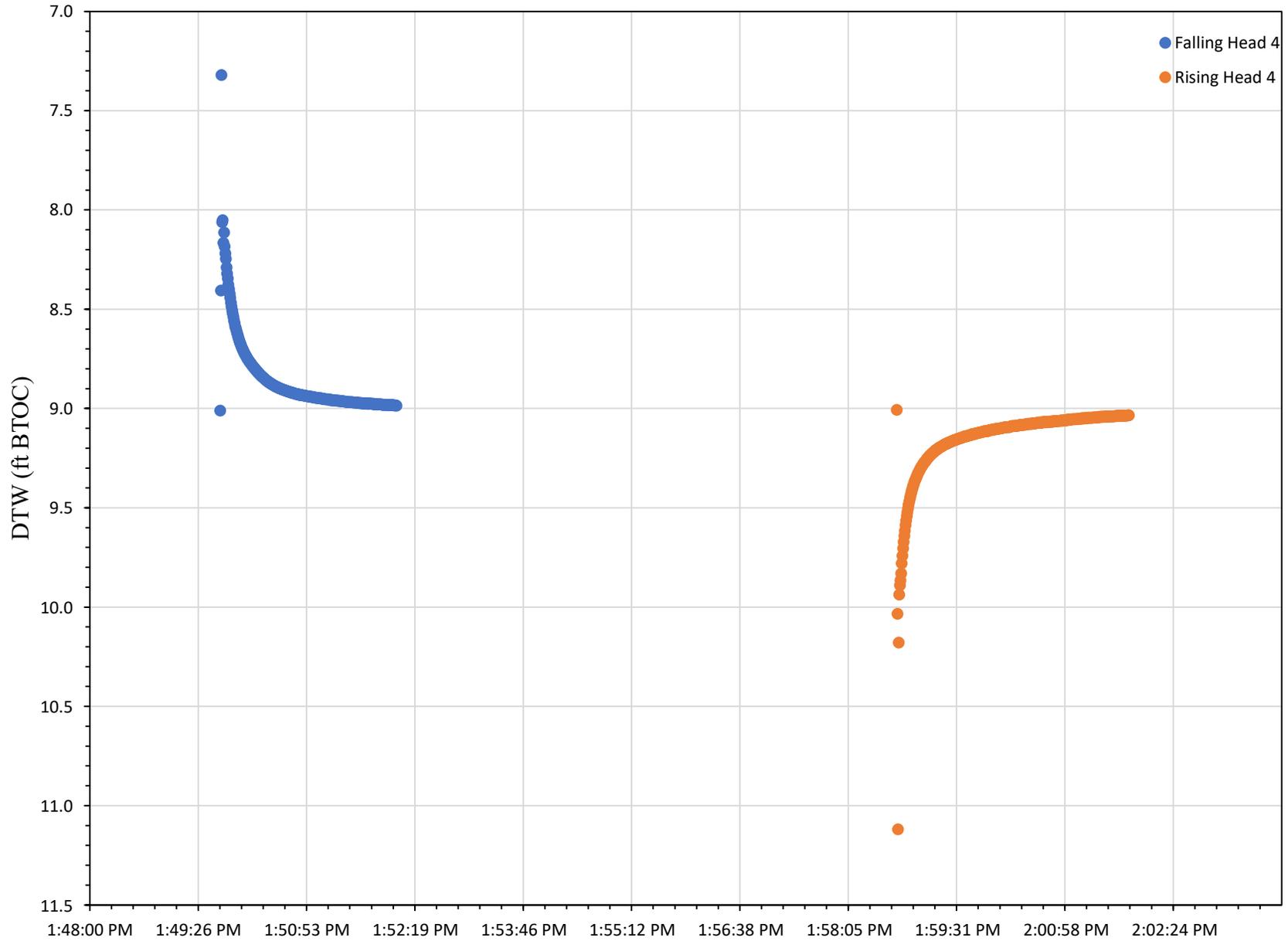
MW-337 Hydrograph: Falling/Rising 2



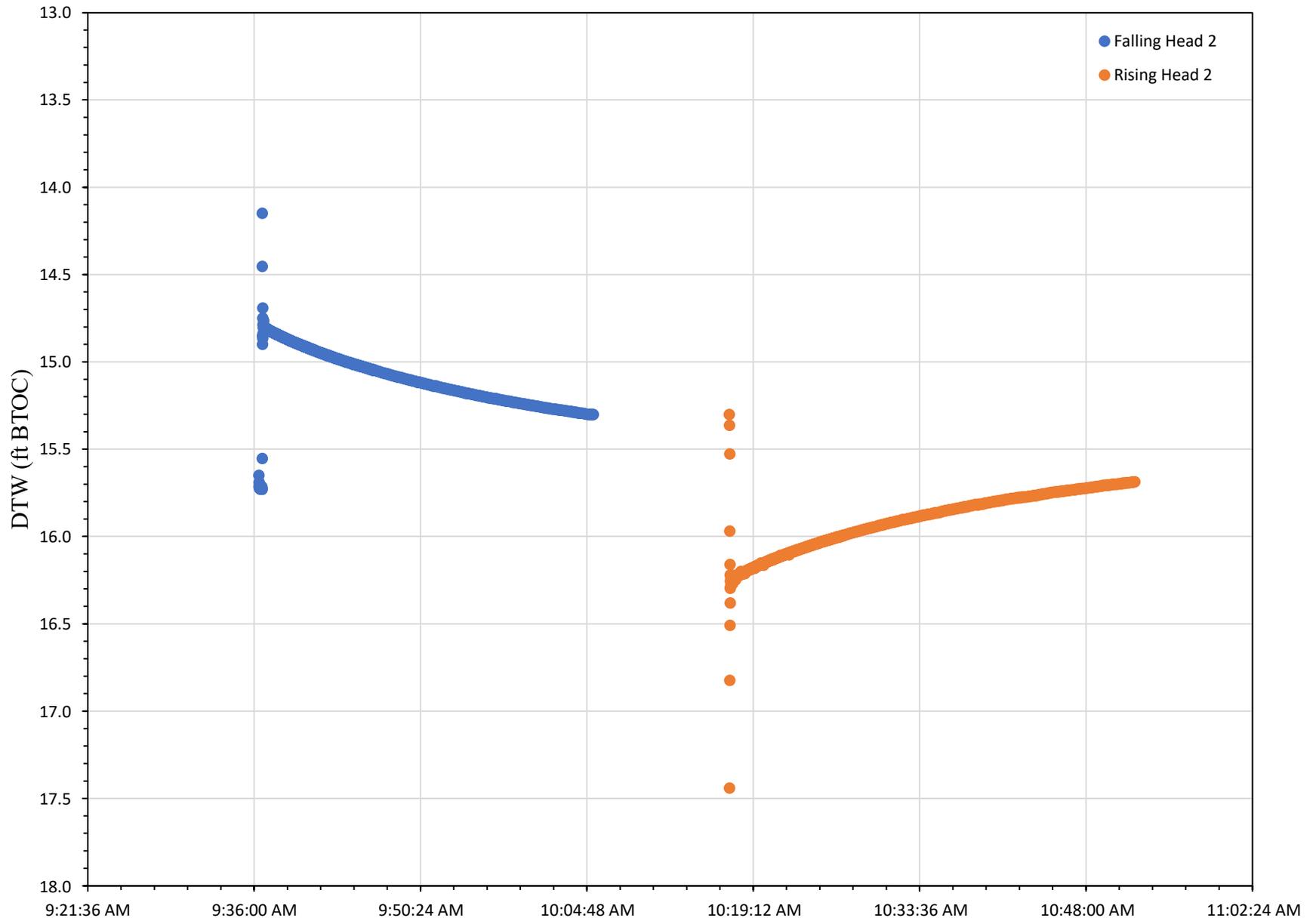
MW-337 Hydrograph: Falling/Rising 3



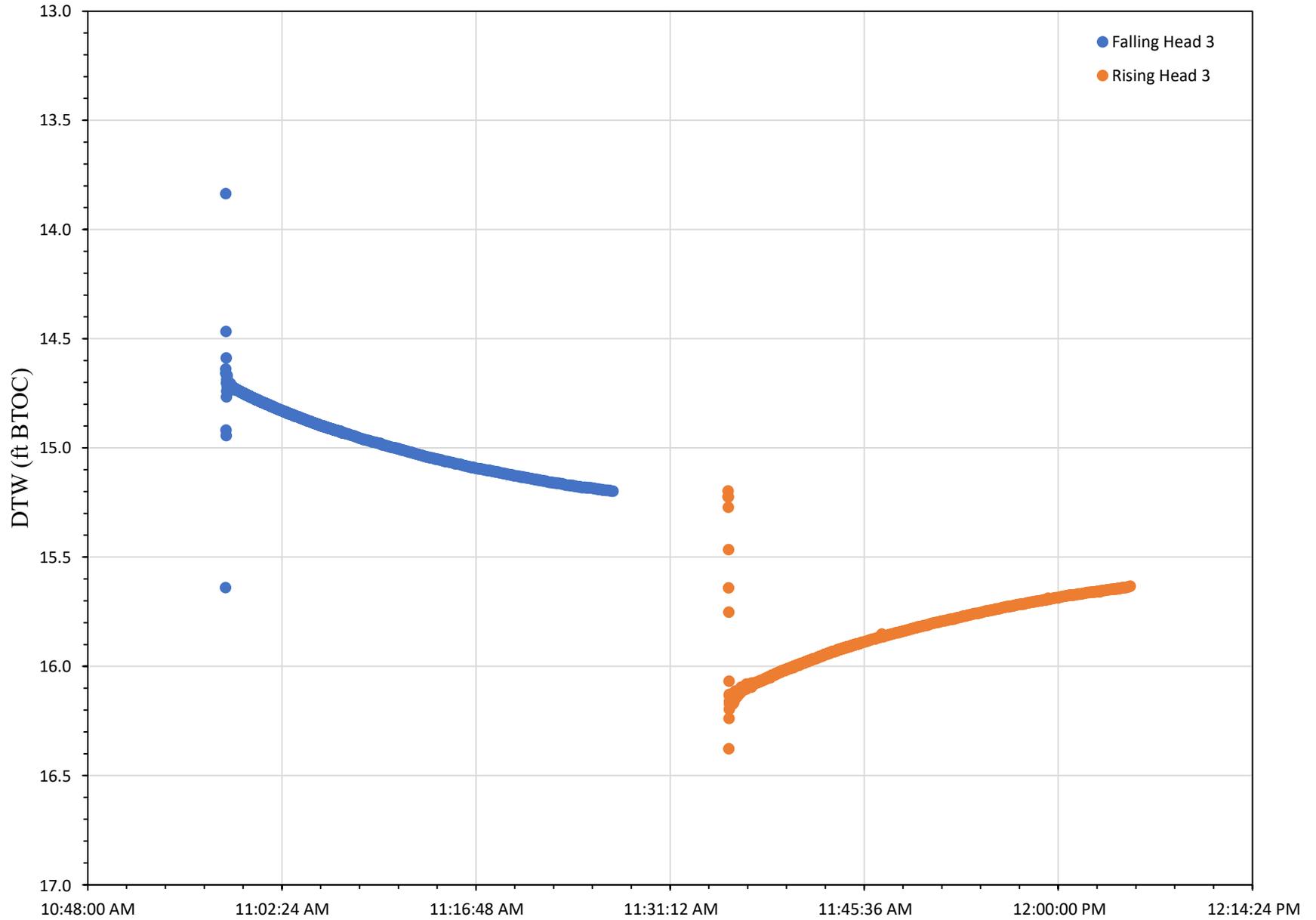
MW-337 Hydrograph: Falling/Rising 4



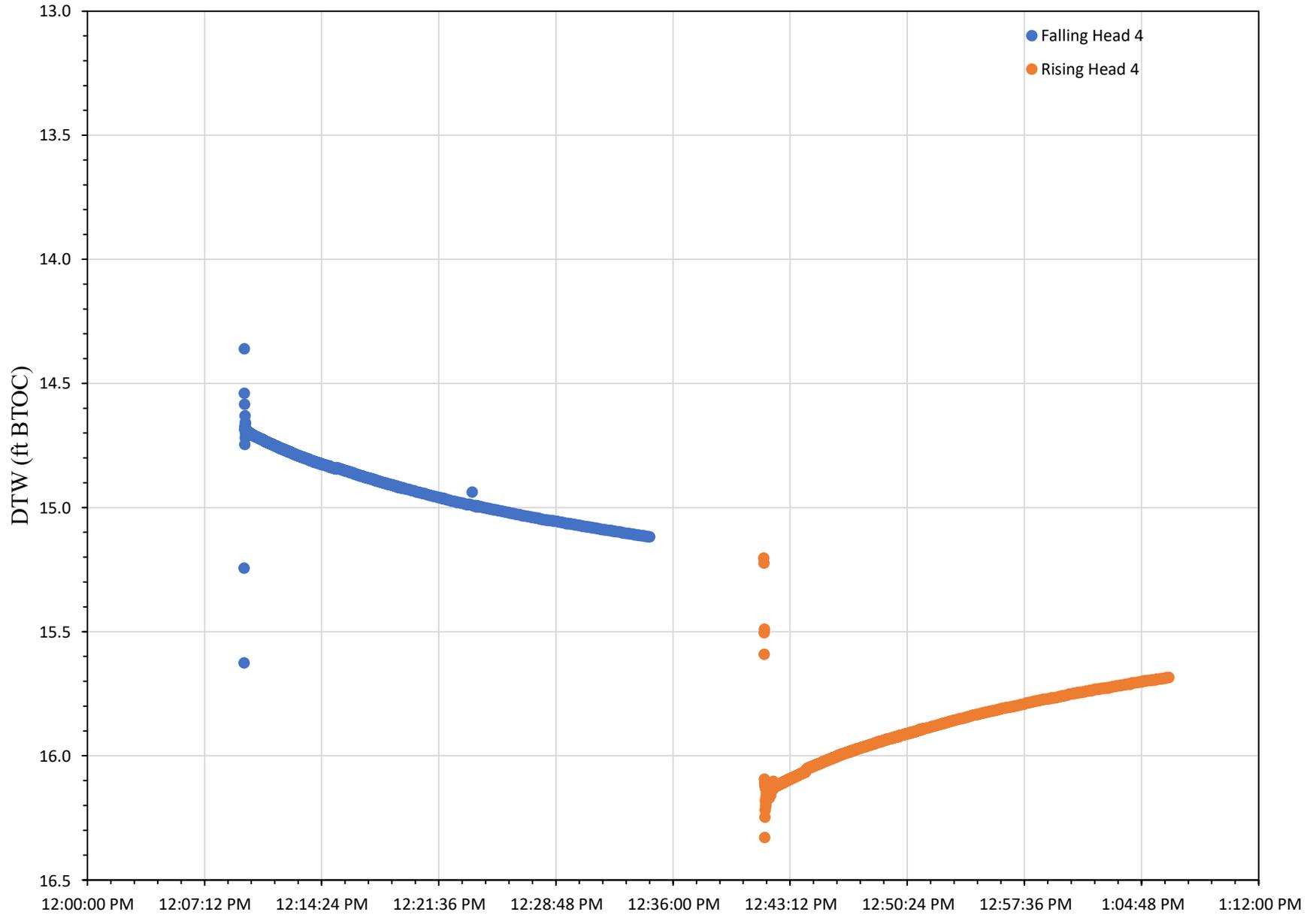
MW-338 Hydrograph: Falling/Rising 2



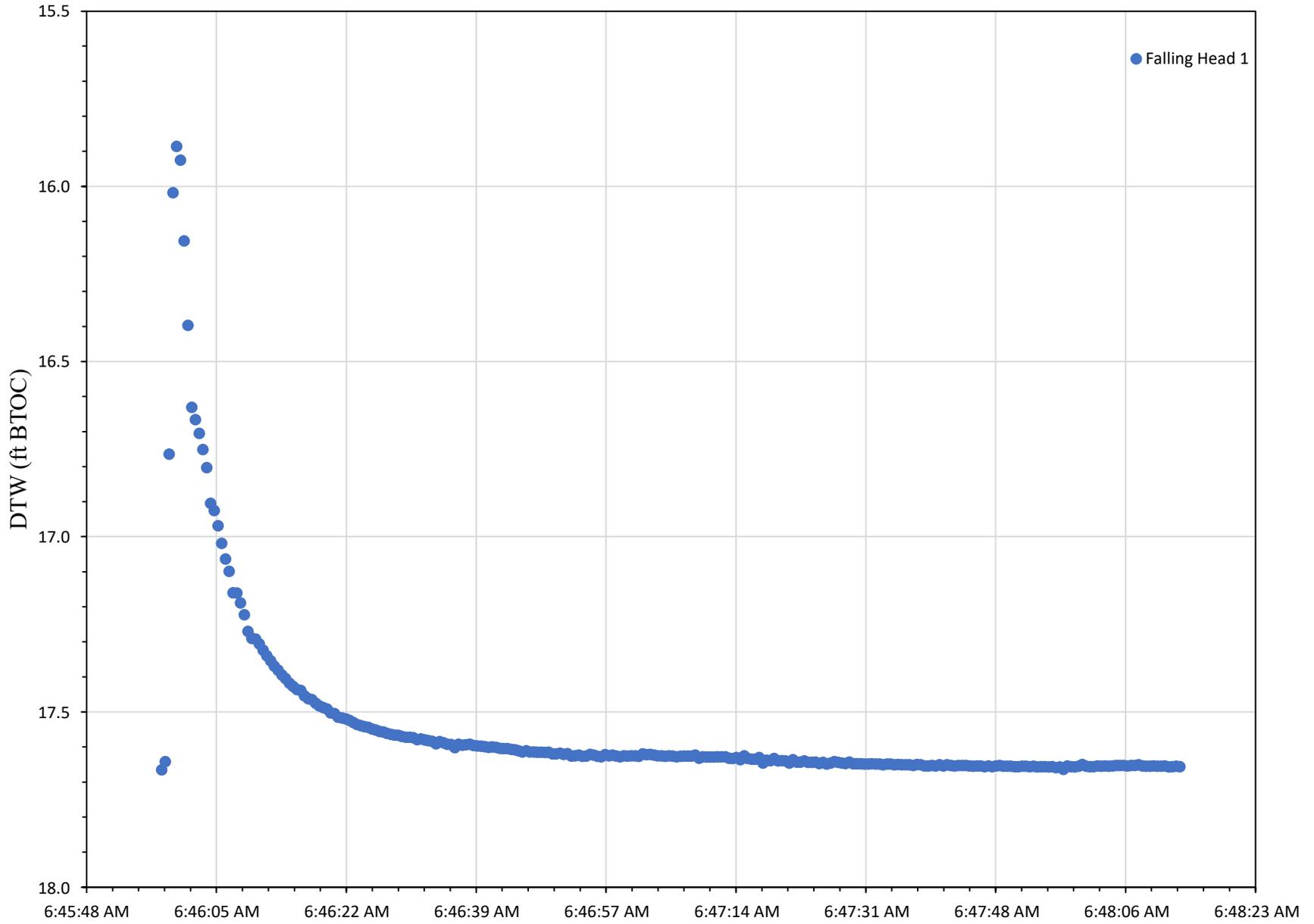
MW-338 Hydrograph: Falling/Rising 3



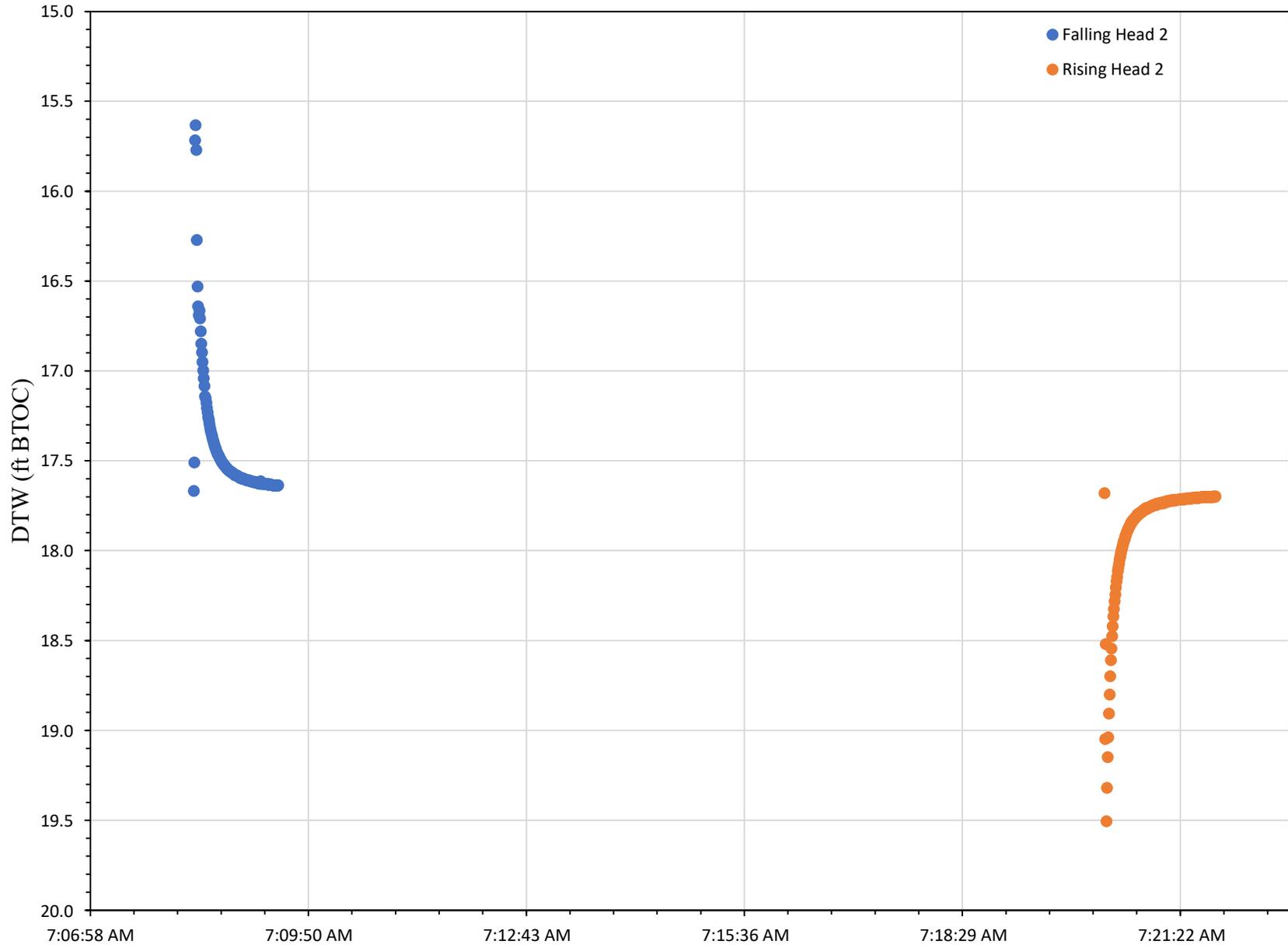
MW-338 Hydrograph: Falling/Rising 4



MW-343 Hydrograph: Falling 1



MW-343 Hydrograph: Falling/Rising 2



MW-343 Hydrograph: Rising 3

