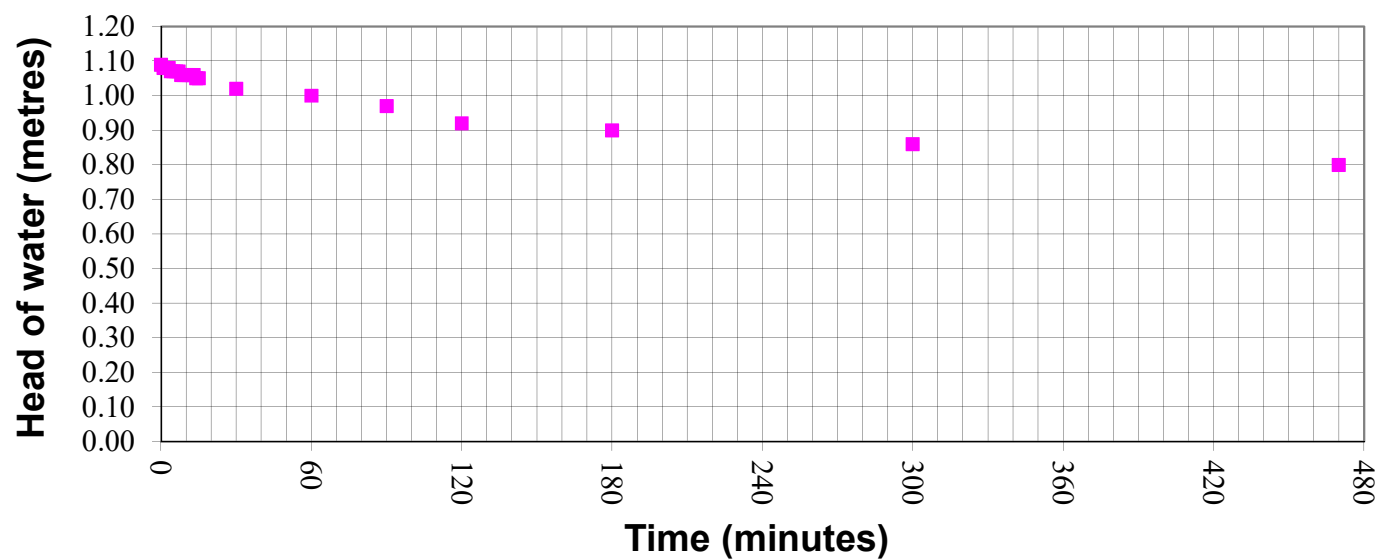


Time (Mins)	Depth of Water	Head of Water
0	1.41	1.09
1	1.42	1.08
2	1.42	1.08
3	1.42	1.08
4	1.43	1.07
5	1.43	1.07
6	1.43	1.07
7	1.43	1.07
8	1.44	1.06
9	1.44	1.06
10	1.44	1.06
11	1.44	1.06
12	1.44	1.06
13	1.44	1.06
14	1.45	1.05
15	1.45	1.05
30	1.48	1.02
60	1.50	1.00
90	1.53	0.97
120	1.58	0.92
180	1.60	0.90
300	1.64	0.86
470	1.70	0.80

GroundSolve Ltd

2061 Old Wrexham Road, Gresford
TP1 Test 1
05/03/18



Depth	Length	Width	Head at 75% Vol	Head at 25% Vol	Water depth(t=0)	Effective Area	Vp75-Vp25	Adjstment Factor *	t75	t25	Infiltration
(m)	(m)	(m)	(m)	(m)	(m)	Ap50 m2	Volume of water m3		(mins)	(mins)	rate m/s
2.50	2.00	0.80	0.818	0.27	1.09	4.652	0.872	1.00			#DIV/0!

* with gravel filter adjustment factor = 0.30, with no filter = 1.0

Head at 75% after 7hrs 30m - Test abandoned, strata non-productive for soakaway drainage

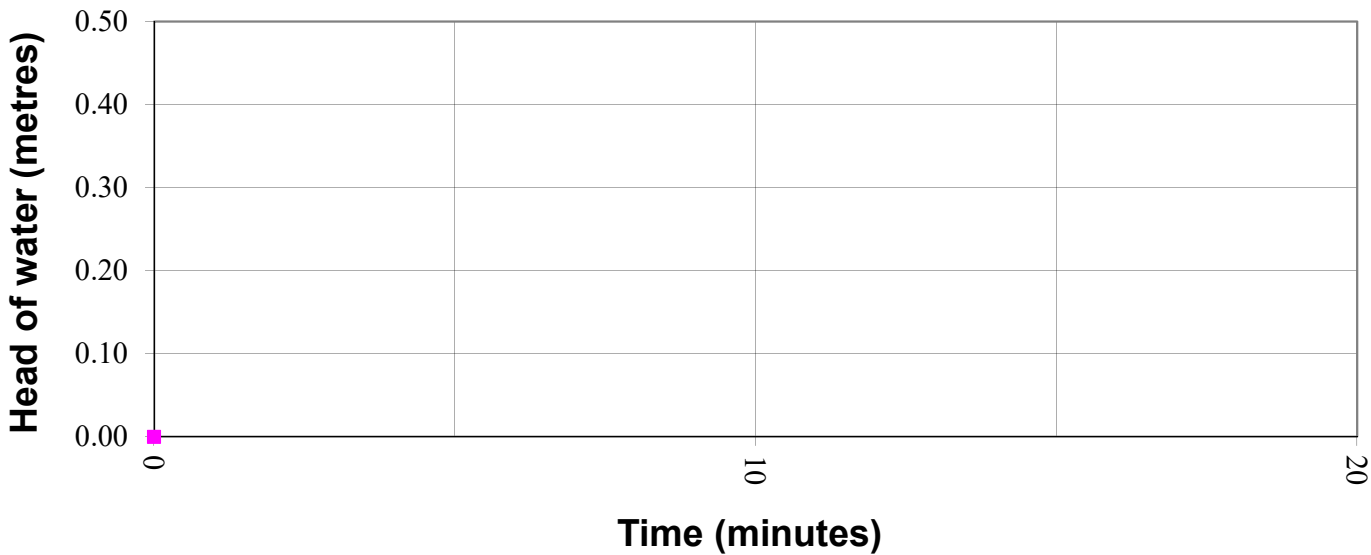
[illegible]

GroundSolve Ltd

2061 Old Wrexham Road, Gresford

TP2 Test 1

05/03/18



Depth	Length	Width	Head at 75% Vol	Head at 25% Vol	Water depth(t=0)	Effective Area	Vp75-Vp25	Adjsutment Factor *	t75	t25	Infiltration
(m)	(m)	(m)	(m)	(m)	(m)	Ap50 m2	Volume of water m3		(mins)	(mins)	rate m/s
1.90	1.40	1.40	0.000	0.00	0.00	1.960	0.000	1.00	2.5	9	0.000E+00

* with gravel filter adjustment factor = 0.30, with no filter = 1.0

1000 ltr bowser emptied into the pit taking 12 minutes = 1.38 ltr/sec, trial pit did not fill with water

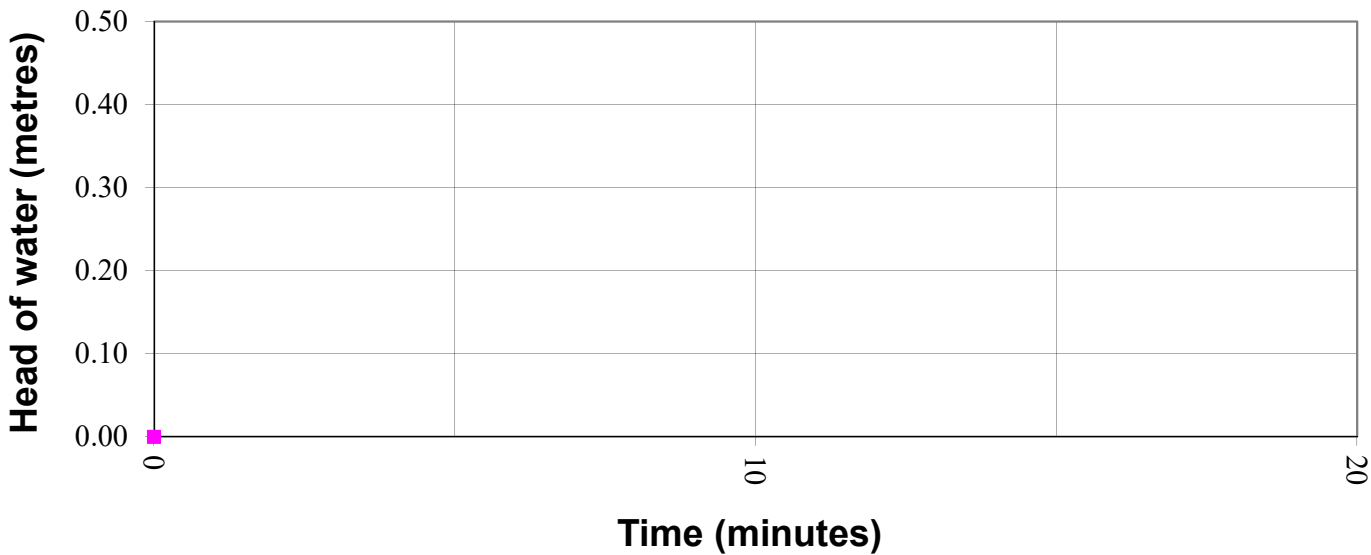
[illegible]

GroundSolve Ltd

2061 Old Wrexham Road, Gresford

TP2 Test 2

05/03/18



Depth	Length	Width	Head at 75% Vol	Head at 25% Vol	Water depth(t=0)	Effective Area	Vp75-Vp25	Adjsutment Factor *	t75	t25	Infiltration
(m)	(m)	(m)	(m)	(m)	(m)	Ap50 m2	Volume of water m3		(mins)	(mins)	rate m/s
1.90	1.40	1.40	0.000	0.00	0.00	1.960	0.000	1.00	2.5	9	0.000E+00

* with gravel filter adjustment factor = 0.30, with no filter = 1.0

1000 ltr bowser emptied into the pit taking 8 minutes = 2.08 ltr/sec, trial pit did not fill with water

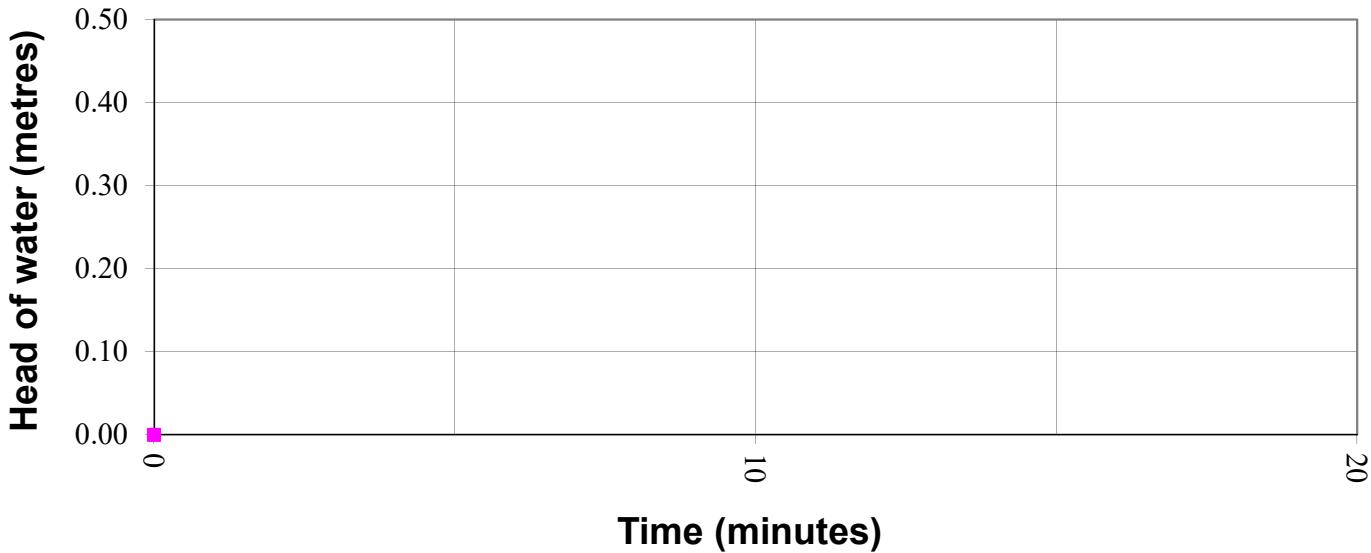
[illegible]

GroundSolve Ltd

2061 Old Wrexham Road, Gresford

TP2 Test 3

05/03/18



Depth	Length	Width	Head at 75% Vol	Head at 25% Vol	Water depth(t=0)	Effective Area	Vp75-Vp25	Adjsutment Factor *	t75	t25	Infiltration
(m)	(m)	(m)	(m)	(m)	(m)	Ap50 m2	Volume of water m3		(mins)	(mins)	rate m/s
1.90	1.40	1.40	0.000	0.00	0.00	1.960	0.000	1.00	2.5	9	0.000E+00

* with gravel filter adjustment factor = 0.30, with no filter = 1.0

1000 ltr bowser emptied into the pit taking 12 minutes = 1.38 ltr/sec, trial pit did not fill with water

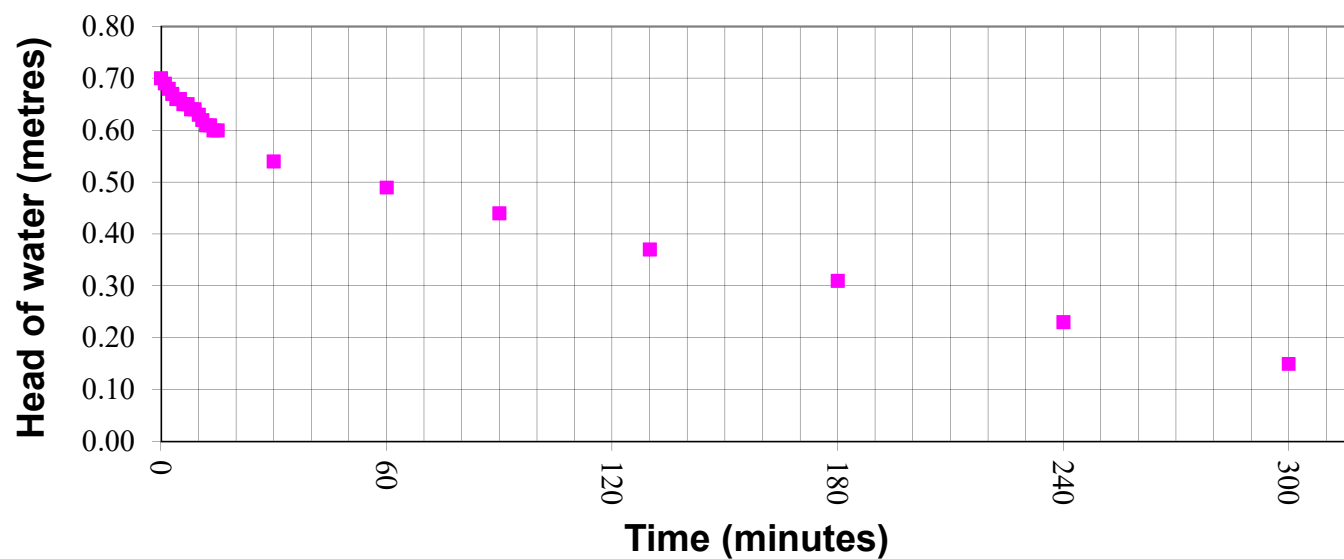
Time (Mins)	Depth of Water	Head of Water
0	1.80	0.70
1	1.81	0.69
2	1.82	0.68
3	1.83	0.67
4	1.84	0.66
5	1.84	0.66
6	1.85	0.65
7	1.85	0.65
8	1.86	0.64
9	1.86	0.64
10	1.87	0.63
11	1.88	0.62
12	1.89	0.61
13	1.89	0.61
14	1.90	0.60
15	1.90	0.60
30	1.96	0.54
60	2.01	0.49
90	2.06	0.44
130	2.13	0.37
180	2.19	0.31
240	2.27	0.23
300	2.35	0.15

GroundSolve Ltd

2061 Old Wrexham Road, Gresford

TP3 Test 1

05/03/18



Depth	Length	Width	Head at 75% Vol	Head at 25% Vol	Water depth(t=0)	Effective Area	Vp75-Vp25	Adjstment Factor *	t75	t25	Infiltration
(m)	(m)	(m)	(m)	(m)	(m)	Ap50 m2	Volume of water m3		(mins)	(mins)	rate m/s
2.50	1.80	0.70	0.525	0.18	0.70	3.010	0.441	1.00	45	280	1.039E-05

* with gravel filter adjustment factor = 0.30, with no filter = 1.0

Infiltration rate calculated for one Test - Further tests carried out in TP7 where Sand & Gravel encountered

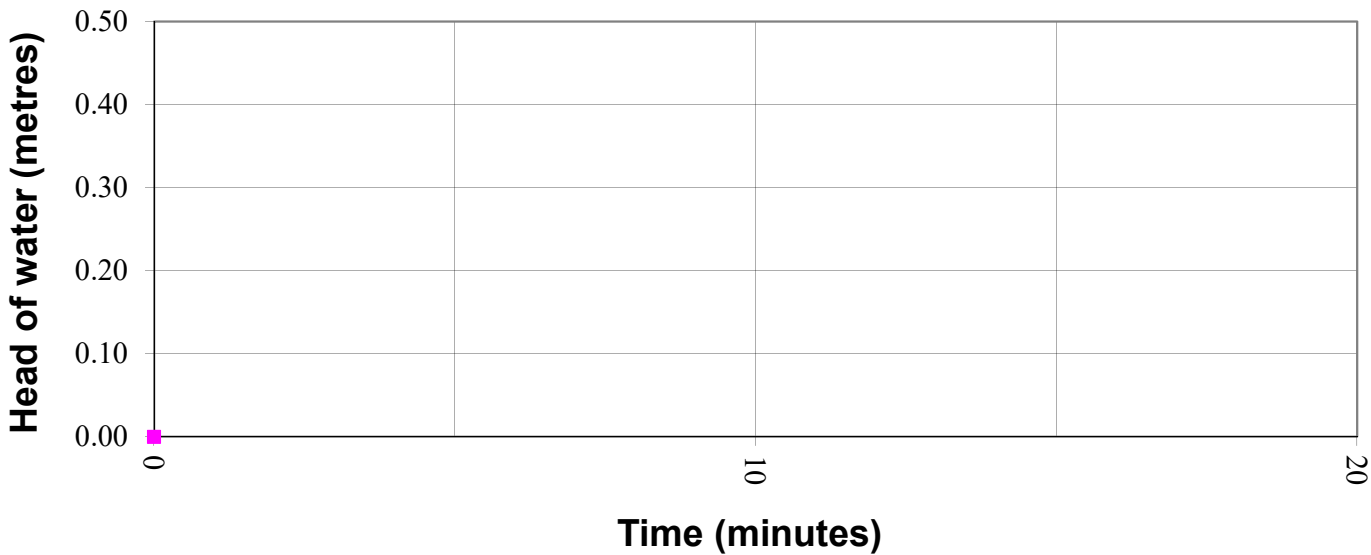
[illegible]

GroundSolve Ltd

2061 Old Wrexham Road, Gresford

TP6 Test 1

05/03/18



Depth	Length	Width	Head at 75% Vol	Head at 25% Vol	Water depth(t=0)	Effective Area	Vp75-Vp25	Adjsutment Factor *	t75	t25	Infiltration
(m)	(m)	(m)	(m)	(m)	(m)	Ap50 m2	Volume of water m3		(mins)	(mins)	rate m/s
1.55	1.40	1.30	0.000	0.00	0.00	1.820	0.000	1.00	2.5	9	0.000E+00

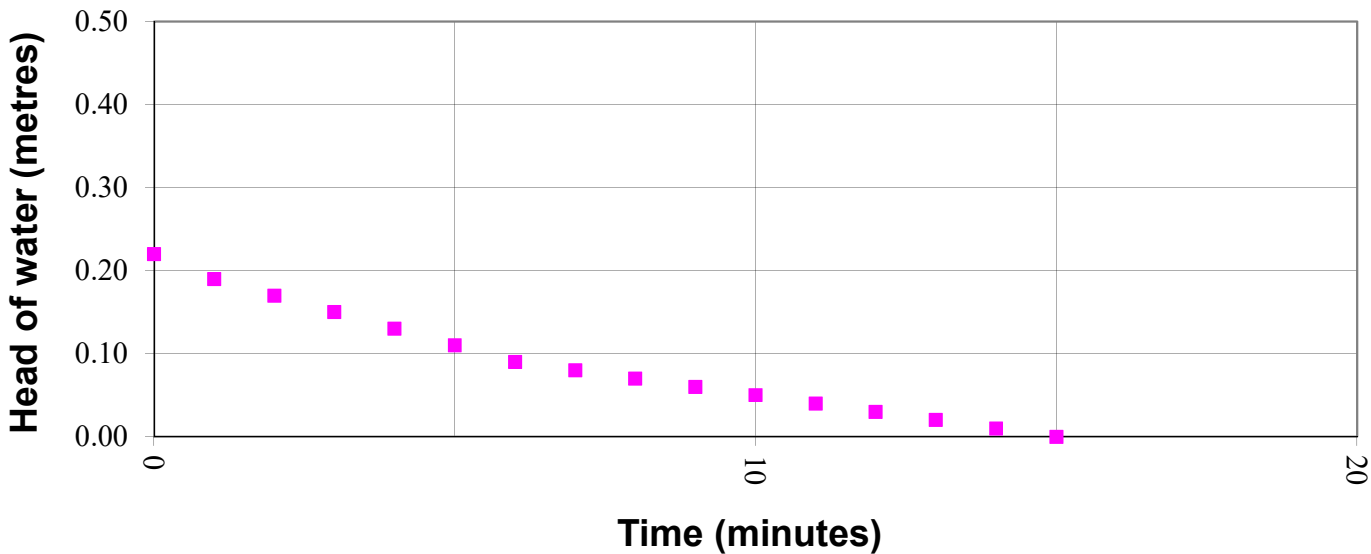
* with gravel filter adjustment factor = 0.30, with no filter = 1.0

1000 ltr bowser emptied into the pit taking 12 minutes = 1.38 ltr/sec, trial pit did not fill with water

[illegible]

GroundSolve Ltd

2061 Old Wrexham Road, Gresford
TP6 Test 2
 05/03/18



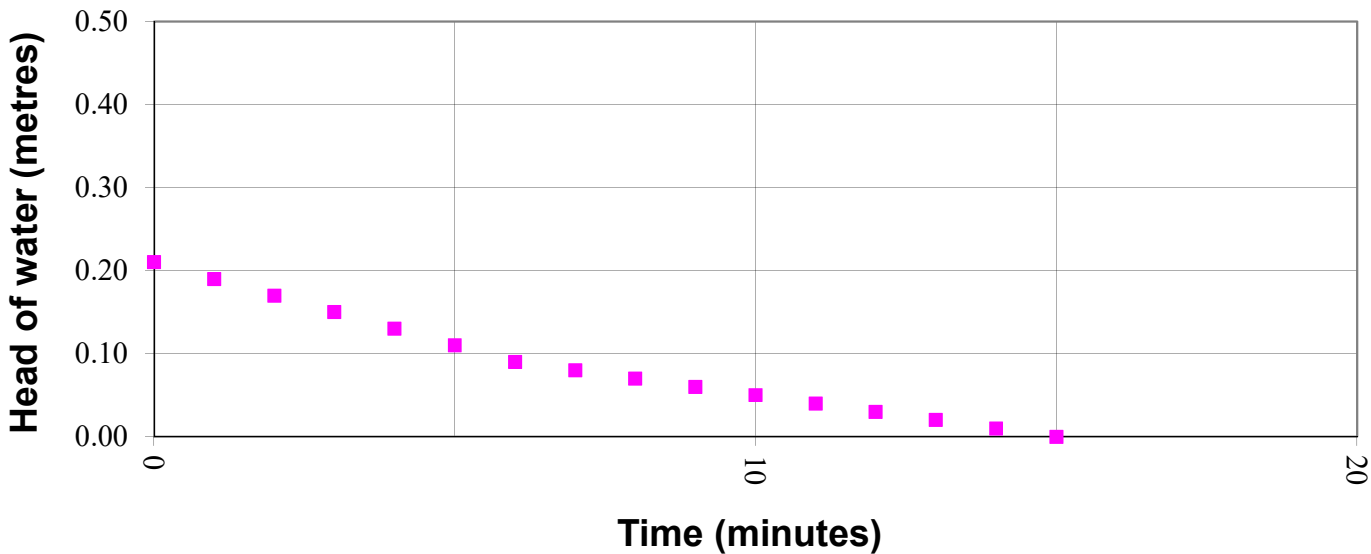
Depth	Length	Width	Head at 75% Vol	Head at 25% Vol	Water depth(t=0)	Effective Area	Vp75-Vp25	Adjsutment Factor *	t75	t25	Infiltration
(m)	(m)	(m)	(m)	(m)	(m)	Ap50 m2	Volume of water m3		(mins)	(mins)	rate m/s
1.55	1.40	1.30	0.165	0.06	0.22	2.414	0.200	1.00	2.5	9	2.126E-04

* with gravel filter adjustment factor = 0.30, with no filter = 1.0

[illegible]

GroundSolve Ltd

2061 Old Wrexham Road, Gresford
TP6 Test 3
 05/03/18



Depth	Length	Width	Head at 75% Vol	Head at 25% Vol	Water depth(t=0)	Effective Area	Vp75-Vp25	Adjsutment Factor *	t75	t25	Infiltration
(m)	(m)	(m)	(m)	(m)	(m)	Ap50 m2	Volume of water m3		(mins)	(mins)	rate m/s
1.55	1.40	1.30	0.158	0.05	0.21	2.387	0.191	1.00	2.5	10	1.779E-04

* with gravel filter adjustment factor = 0.30, with no filter = 1.0

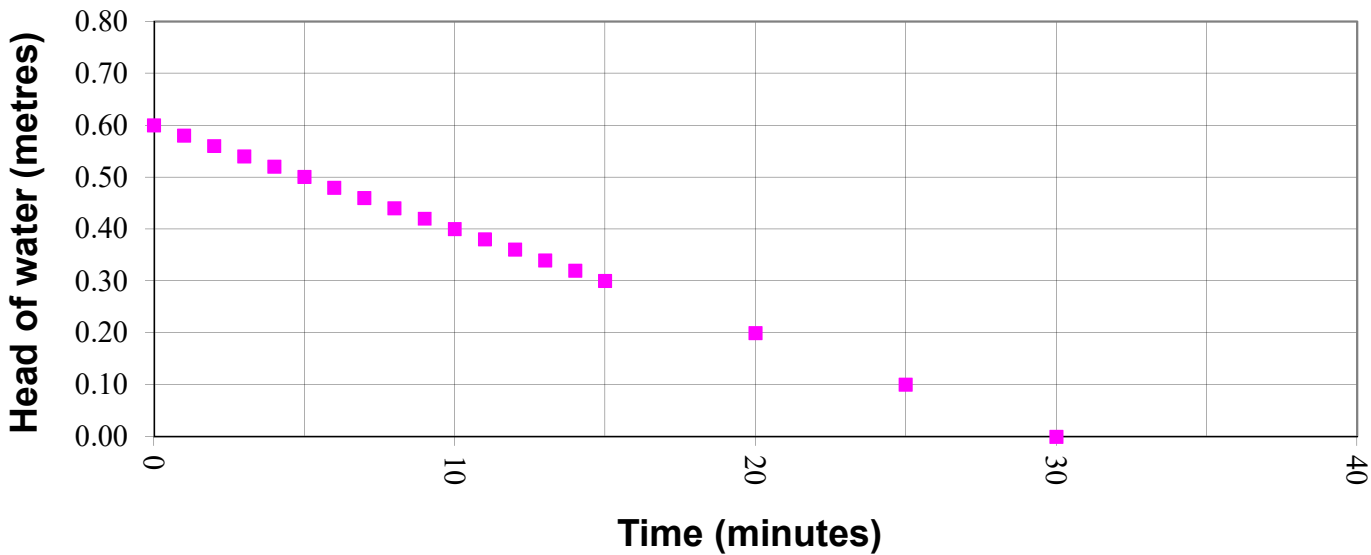
[illegible]

GroundSolve Ltd

2061 Old Wrexham Road, Gresford

TP7 Test 1

05/03/18



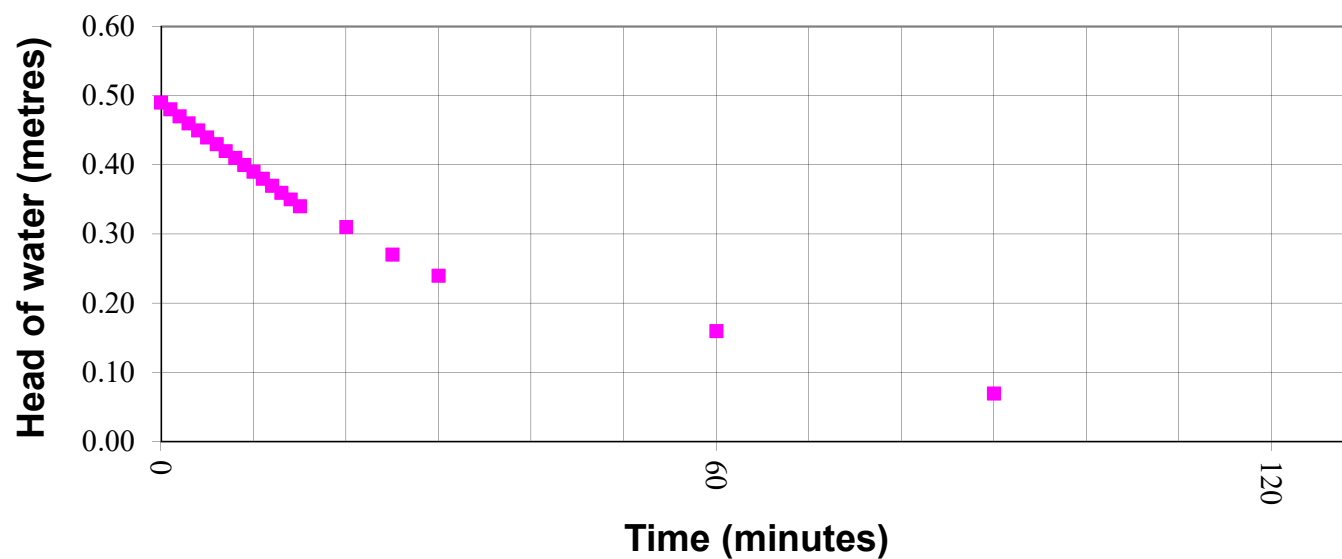
Depth	Length	Width	Head at 75% Vol	Head at 25% Vol	Water depth(t=0)	Effective Area	Vp75-Vp25	Adjsutment Factor *	t75	t25	Infiltration
(m)	(m)	(m)	(m)	(m)	(m)	Ap50 m2	Volume of water m3		(mins)	(mins)	rate m/s
1.30	1.60	1.00	0.450	0.15	0.60	3.160	0.480	1.00	7.5	23	1.633E-04

* with gravel filter adjustment factor = 0.30, with no filter = 1.0

Time (Mins)	Depth of Water	Head of Water
0	0.81	0.49
1	0.82	0.48
2	0.83	0.47
3	0.84	0.46
4	0.85	0.45
5	0.86	0.44
6	0.87	0.43
7	0.88	0.42
8	0.89	0.41
9	0.90	0.40
10	0.91	0.39
11	0.92	0.38
12	0.93	0.37
13	0.94	0.36
14	0.95	0.35
15	0.96	0.34
20	0.99	0.31
25	1.03	0.27
30	1.06	0.24
60	1.14	0.16
90	1.23	0.07

GroundSolve Ltd

2061 Old Wrexham Road, Gresford
TP7 Test 2
05/03/18



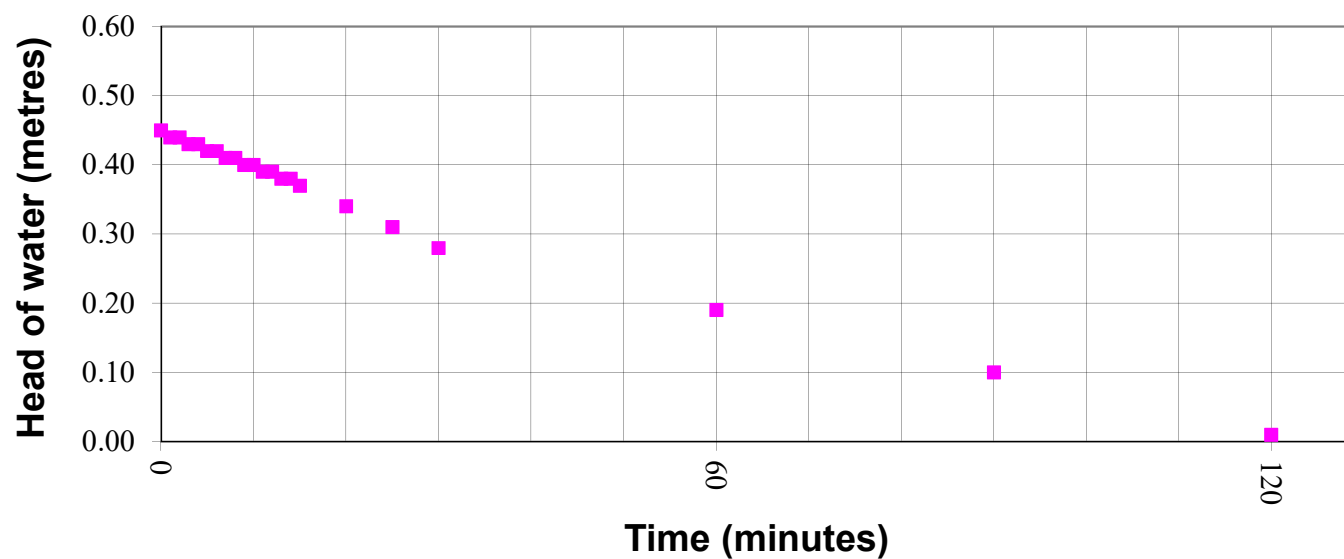
Depth	Length	Width	Head at 75% Vol	Head at 25% Vol	Water depth(t=0)	Effective Area	Vp75-Vp25	Adjsutment Factor *	t75	t25	Infiltration
(m)	(m)	(m)	(m)	(m)	(m)	Ap50 m2	Volume of water m3		(mins)	(mins)	rate m/s
1.30	1.60	1.20	0.368	0.12	0.49	3.292	0.470	1.00	12	75	3.780E-05

* with gravel filter adjustment factor = 0.30, with no filter = 1.0

Time (Mins)	Depth of Water	Head of Water
0	0.85	0.45
1	0.86	0.44
2	0.86	0.44
3	0.87	0.43
4	0.87	0.43
5	0.88	0.42
6	0.88	0.42
7	0.89	0.41
8	0.89	0.41
9	0.90	0.40
10	0.90	0.40
11	0.91	0.39
12	0.91	0.39
13	0.92	0.38
14	0.92	0.38
15	0.93	0.37
20	0.96	0.34
25	0.99	0.31
30	1.02	0.28
60	1.11	0.19
90	1.20	0.10
120	1.29	0.01

GroundSolve Ltd

2061 Old Wrexham Road, Gresford
TP7 Test 3
05/03/18



Depth	Length	Width	Head at 75% Vol	Head at 25% Vol	Water depth(t=0)	Effective Area	Vp75-Vp25	Adjustment Factor *	t75	t25	Infiltration
(m)	(m)	(m)	(m)	(m)	(m)	Ap50 m2	Volume of water m3		(mins)	(mins)	rate m/s
1.30	1.60	1.20	0.338	0.11	0.45	3.180	0.432	1.00	20	90	3.235E-05

* with gravel filter adjustment factor = 0.30, with no filter = 1.0