



Earth Environmental & Geotechnical Ltd

Tel / Fax: 0161 2824518
Web: www.earthenvironmental.co.uk
Email: adam@earthenvironmental.co.uk

SOAKAWAY TEST

(To: BRE 365 1991)

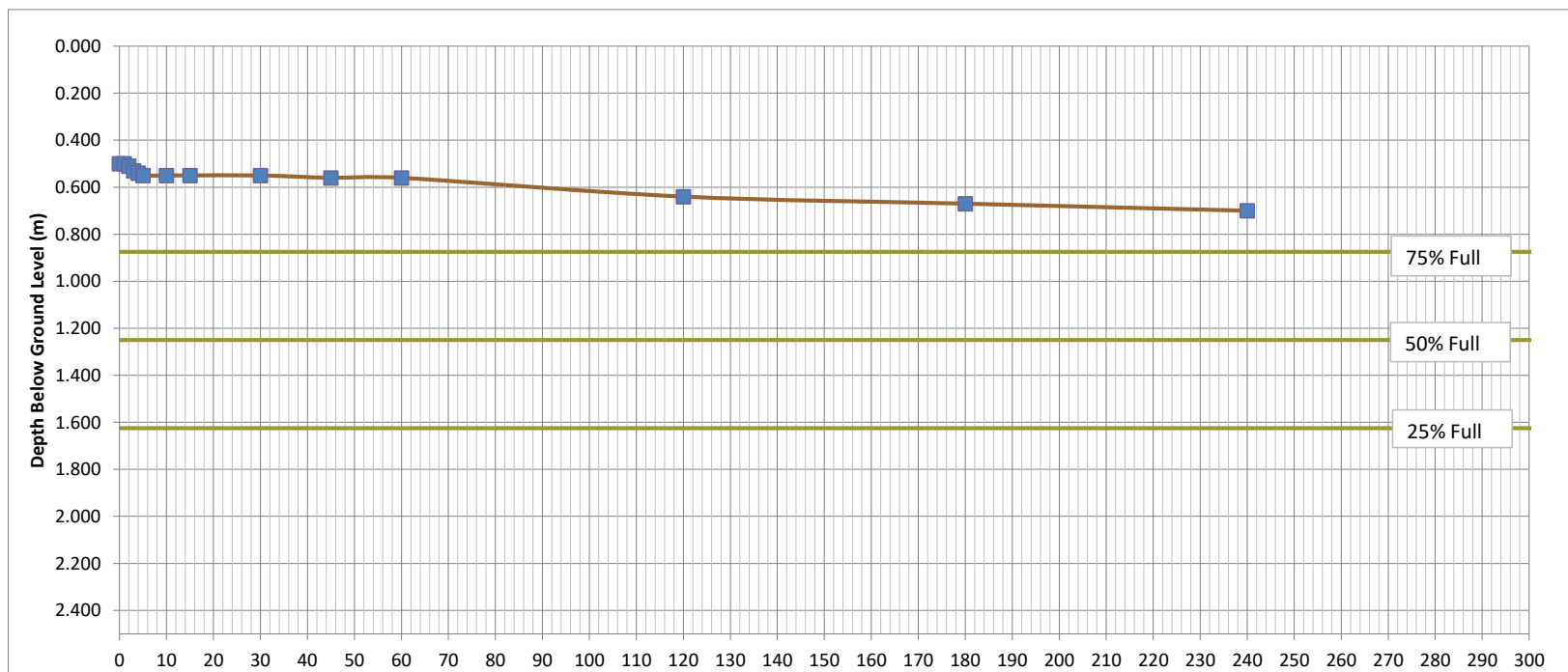
Job No: A5487
Site: Kronospan North Access Road
Client: Kronospan

Location Reference:
Date
Geology in test section
Depth to Base of Hole
Effective Depth
Hole width
Hole length
Depth to water at start of test below ground level
Depth to water at end of test below ground level
Effective storage depth to 75% full
(Depth below GL)
Effective storage depth to 50% full
(Depth below GL)
Effective storage depth to 25% full
(Depth below GL)
Height to 50% depth
Effective Storage Volume Vp75-25
Time tp25 at which water is 75% of effective depth (minutes)
Time tp25 at which water is 25% of effective depth (minutes)
Time for water level to fall between Vp75 -25
Time for water level to fall between Vp75 -25
Internal surface area of hole up to 50% depth including base
Soil Infiltration Rate, f

TP10	
21/08/2023	
Topsoil & Natural	
2.00	m
1.50	m
0.60	m
1.80	m
0.50	m
0.70	m
1.13	m
0.88	m
0.75	m
1.25	m
0.38	m
1.63	m
0.750	m3
0.81	m3
Infiltration too slow to calculate	mins
	mins
	mins
	secs
	m2
	m/s

Assumes pit is not filled

Time Elapsed (mins)	Depth of Water below GL (m)
0	0.500
1	0.500
2	0.510
3	0.530
4	0.540
5	0.550
10	0.550
15	0.550
30	0.550
45	0.560
60	0.560
120	0.640
180	0.670
240	0.700





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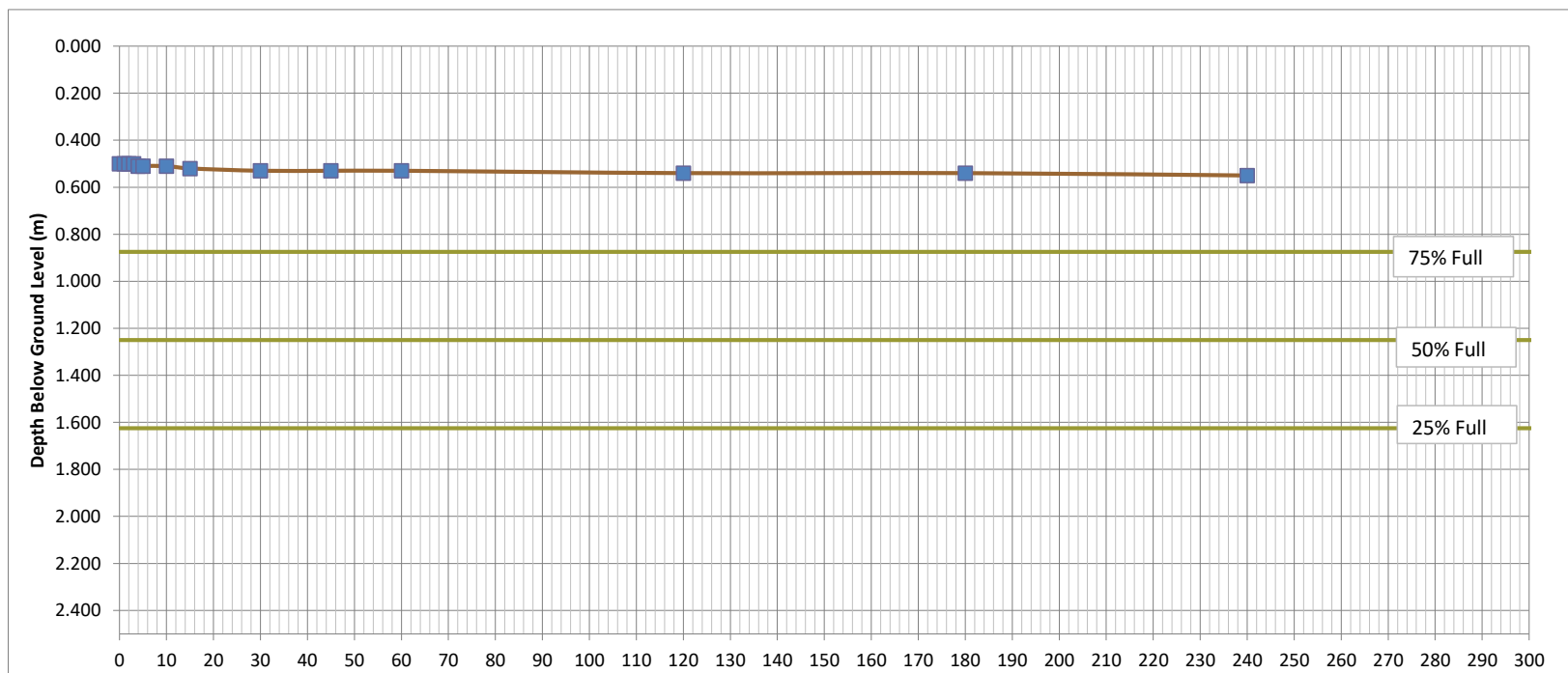
Job No: A5487
Site: Kronospan North Access Road
Client: Kronospan

Location Reference:
Date
Geology in test section
Depth to Base of Hole
Effective Depth
Hole width
Hole length
Depth to water at start of test below ground level
Depth to water at end of test below ground level
Effective storage depth to 75% full
(Depth below GL)
Effective storage depth to 50% full
(Depth below GL)
Effective storage depth to 25% full
(Depth below GL)
Height to 50% depth
Effective Storage Volume Vp75-25
Time tp25 at which water is 75% of effective depth (minutes)
Time tp25 at which water is 25% of effective depth (minutes)
Time for water level to fall between Vp75 -25
Time for water level to fall between Vp75 -25
Internal surface area of hole up to 50% depth including base
Soil Infiltration Rate, f

TP11	
21/08/2023	
Topsoil & Natural	
2.00	m
1.50	m
0.60	m
1.75	m
0.50	m
0.55	m
1.13	m
0.88	m
0.75	m
1.25	m
0.38	m
1.63	m
0.750	m3
0.79	m3
Infiltration too slow to calculate	mins
	mins
	mins
	secs
	m2
	m/s

Assumes pit is not filled

Time Elapsed (mins)	Depth of Water below GL (m)
0	0.500
1	0.500
2	0.500
3	0.500
4	0.510
5	0.510
10	0.510
15	0.520
30	0.530
45	0.530
60	0.530
120	0.540
180	0.540
240	0.550





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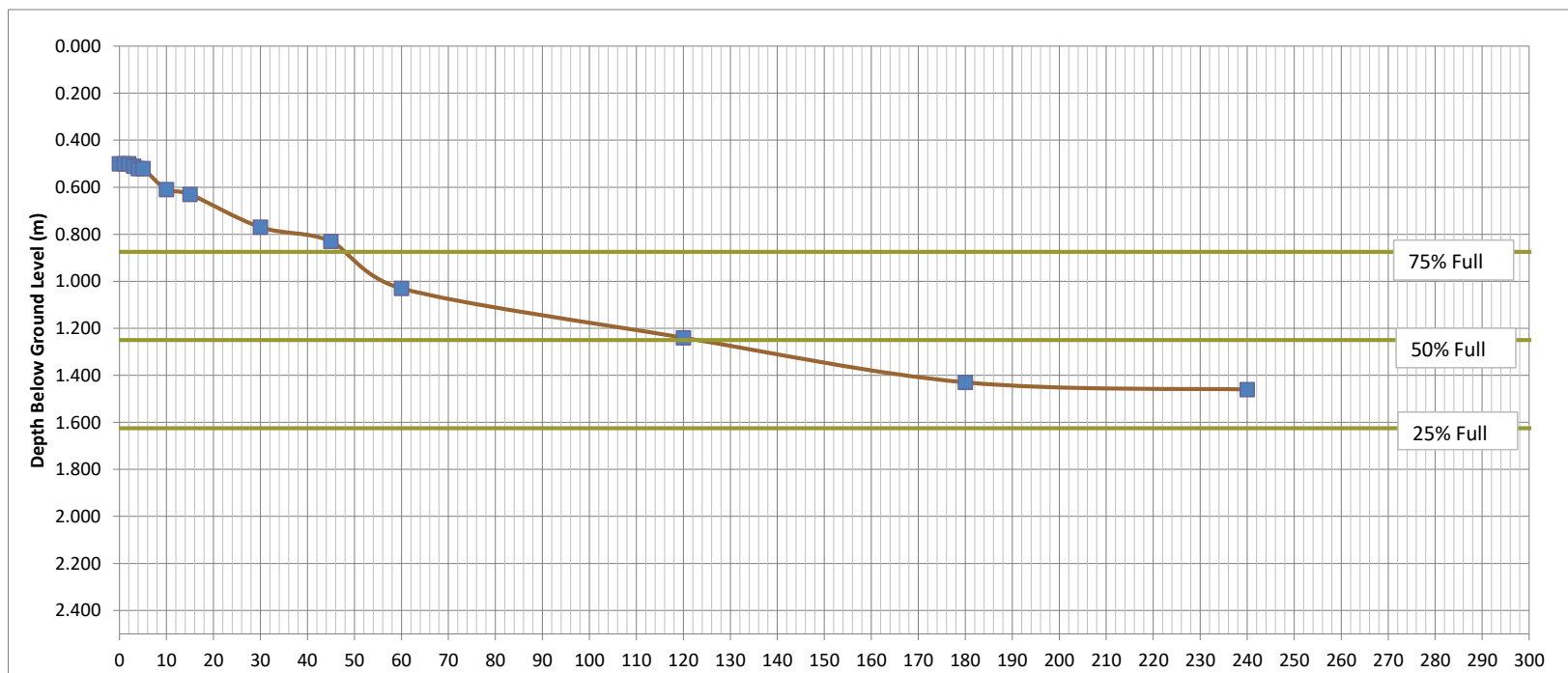
Job No: A5487
Site: Kronospan North Access Road
Client: Kronospan

Location Reference:
Date
Geology in test section
Depth to Base of Hole
Effective Depth
Hole width
Hole length
Depth to water at start of test below ground level
Depth to water at end of test below ground level
Effective storage depth to 75% full
(Depth below GL)
Effective storage depth to 50% full
(Depth below GL)
Effective storage depth to 25% full
(Depth below GL)
Height to 50% depth
Effective Storage Volume Vp75-25
Time tp25 at which water is 75% of effective depth (minutes)
Time tp25 at which water is 25% of effective depth (minutes)
Time for water level to fall between Vp75 -25
Time for water level to fall between Vp75 -25
Internal surface area of hole up to 50% depth including base
Soil Infiltration Rate, f

TP12	
22/08/2023	
Topsoil & Natural	
2.00	m
1.50	m
0.60	m
1.70	m
0.50	m
1.46	m
1.13	m
0.88	m
0.75	m
1.25	m
0.38	m
1.63	m
0.750	m3
0.77	m3
Infiltration too slow to calculate	mins
	mins
	mins
	secs
	m2
	m/s

Assumes pit is not filled

Time Elapsed (mins)	Depth of Water below GL (m)
0	0.500
1	0.500
2	0.500
3	0.510
4	0.520
5	0.520
10	0.610
15	0.630
30	0.770
45	0.830
60	1.030
120	1.240
180	1.430
240	1.460





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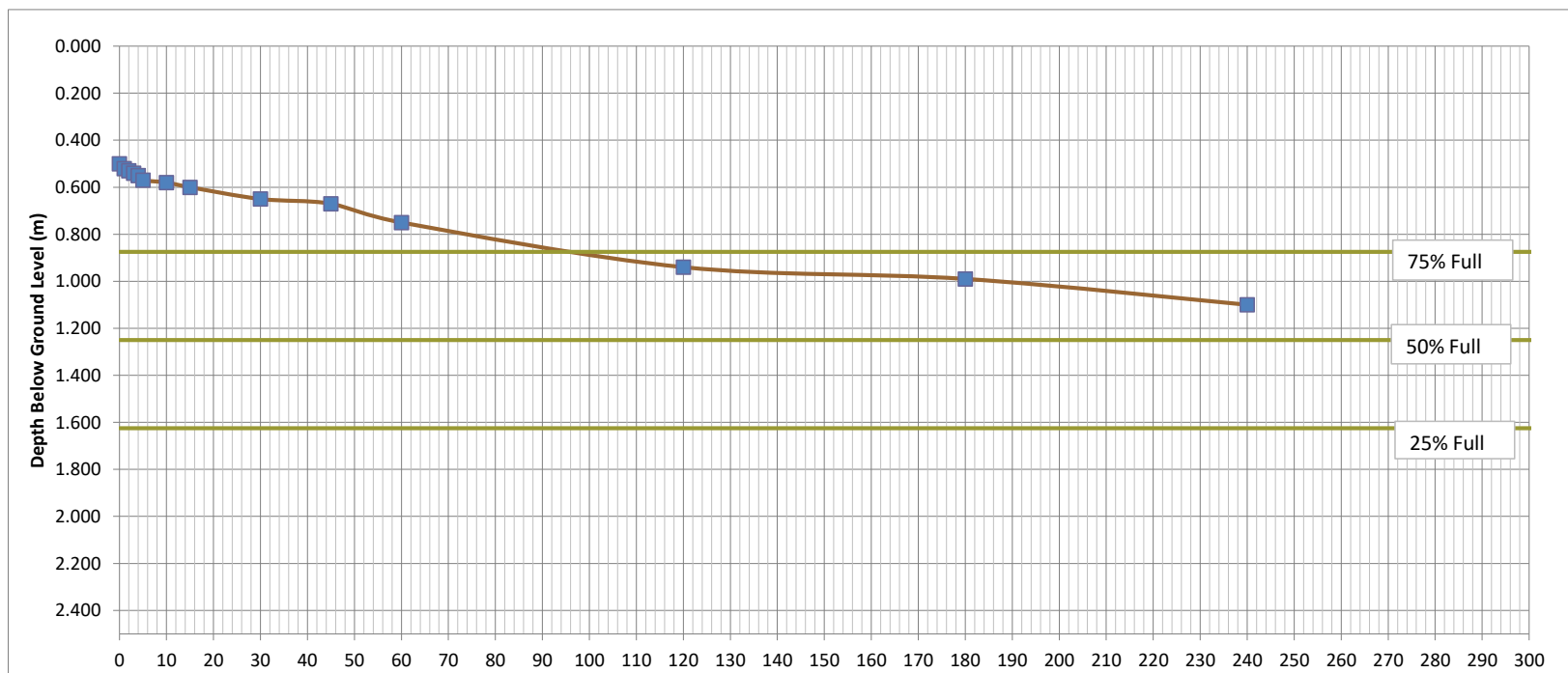
Job No: A5487
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Date
Geology in test section
Depth to Base of Hole
Effective Depth
Hole width
Hole length
Depth to water at start of test below ground level
Depth to water at end of test below ground level
Effective storage depth to 75% full
(Depth below GL)
Effective storage depth to 50% full
(Depth below GL)
Effective storage depth to 25% full
(Depth below GL)
Height to 50% depth
Effective Storage Volume Vp75-25
Time tp25 at which water is 75% of effective depth (minutes)
Time tp25 at which water is 25% of effective depth (minutes)
Time for water level to fall between Vp75 -25
Time for water level to fall between Vp75 -25
Internal surface area of hole up to 50% depth including base
Soil Infiltration Rate, f

TP12	
22/08/2023	
Topsoil & Natural	
2.00	m
1.50	m
0.60	m
1.75	m
0.50	m
1.10	m
1.13	m
0.88	m
0.75	m
1.25	m
0.38	m
1.63	m
0.750	m3
0.79	m3
Infiltration too slow to calculate	mins
	mins
	mins
	secs
	m2
	m/s

Assumes pit is not filled

Time Elapsed (mins)	Depth of Water below GL (m)
0	0.500
1	0.520
2	0.530
3	0.540
4	0.550
5	0.570
10	0.580
15	0.600
30	0.650
45	0.670
60	0.750
120	0.940
180	0.990
240	1.100





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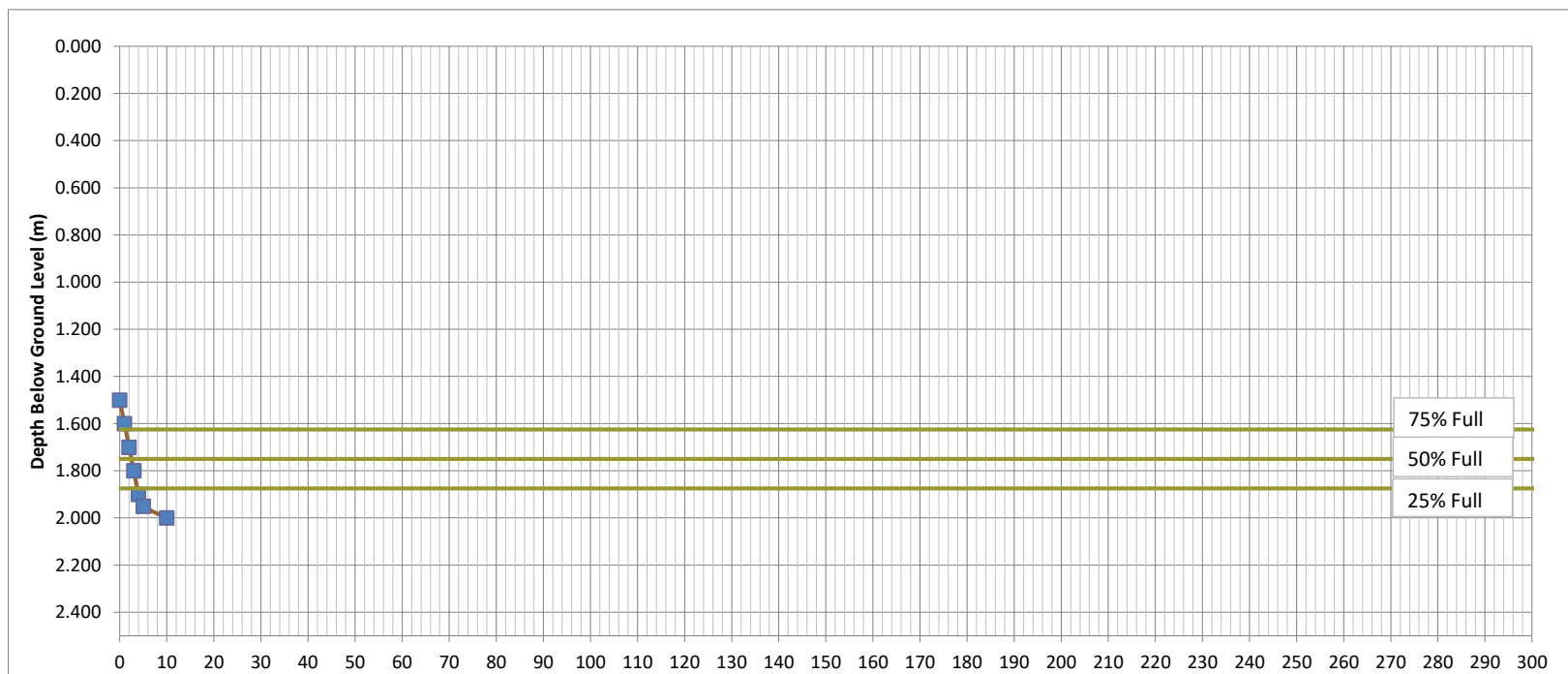
A5487

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Kronospan

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Date
Geology in test section
Depth to Base of Hole
Effective Depth
Hole width
Hole length
Depth to water at start of test below ground level
Depth to water at end of test below ground level
Effective storage depth to 75% full
(Depth below GL)
Effective storage depth to 50% full
(Depth below GL)
Effective storage depth to 25% full
(Depth below GL)
Height to 50% depth
Effective Storage Volume V_{p75-25}
Time tp_{25} at which water is 75% of effective depth (minutes)
Time tp_{25} at which water is 25% of effective depth (minutes)
Time for water level to fall between V_{p75-25}
Time for water level to fall between V_{p75-25}
Internal surface area of hole up to 50% depth including base
Soil Infiltration Rate, f

	TP14	
	21/08/2023	
	Topsoil & Natural	
	2.00	m
	0.50	m
	0.60	m
	1.80	m
	1.50	m
	2.00	m
	0.38	m
	1.63	m
	0.25	m
	1.75	m
	0.13	m
	1.88	m
	0.250	m3
	0.27	m3
Infiltration too slow to calculate		mins
		mins
		mins
		secs
		m2
		m/s

Assumes pit is not filled

[illegible]



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Depth to water at start of test below ground level
Depth to water at end of test below ground level
Effective storage depth to 75% full
(Depth below GL)
Effective storage depth to 50% full
(Depth below GL)
Effective storage depth to 25% full
(Depth below GL)
Height to 50% depth
Effective Storage Volume V_{p75-25}
Time tp_{25} at which water is 75% of effective depth (minutes)
Time tp_{25} at which water is 25% of effective depth (minutes)
Time for water level to fall between V_{p75-25}
Time for water level to fall between V_{p75-25}
Internal surface area of hole up to 50% depth including base
Soil Infiltration Rate, f

	TP14	
	21/08/2023	
	Topsoil & Natural	
	2.00	m
	0.40	m
	0.60	m
	1.80	m
	1.60	m
	2.00	m
	0.30	m
	1.70	m
	0.20	m
	1.80	m
	0.10	m
	1.90	m
	0.200	m3
	0.22	m3
Infiltration too slow to calculate		mins
		mins
		mins
		secs
		m2
		m/s

Assumes pit is not filled

[illegible]



SOAKAWAY TEST

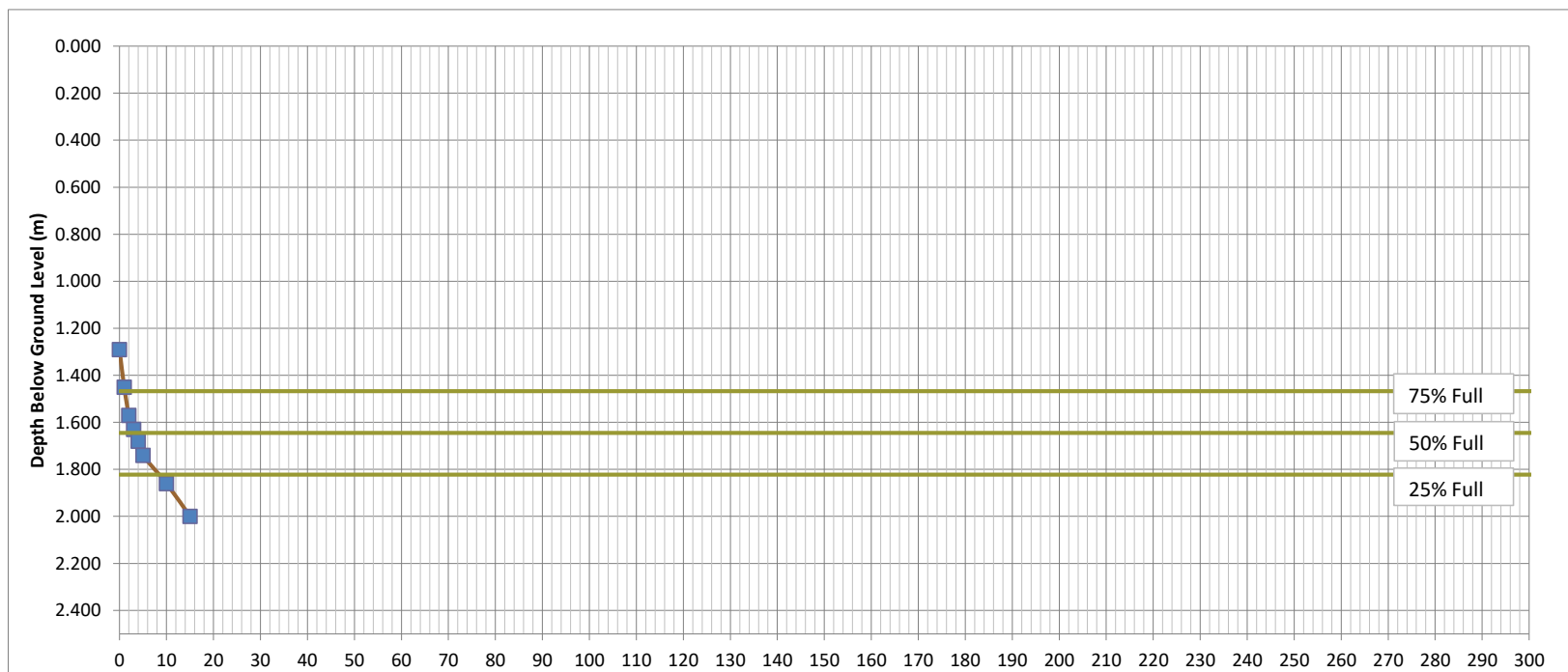
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Depth to water at end of test below ground level
Effective storage depth to 75% full
(Depth below GL)
Effective storage depth to 50% full
(Depth below GL)
Effective storage depth to 25% full
(Depth below GL)
Height to 50% depth
Effective Storage Volume V_{p75-25}
Time tp_{25} at which water is 75% of effective depth (minutes)
Time tp_{25} at which water is 25% of effective depth (minutes)
Time for water level to fall between V_{p75-25}
Time for water level to fall between V_{p75-25}
Internal surface area of hole up to 50% depth including base
Soil Infiltration Rate, f

	TP14	
	21/08/2023	
	Topsoil & Natural	
	2.00	m
	0.71	m
	0.60	m
	1.80	m
	1.29	m
	2.00	m
	0.53	m
	1.47	m
	0.36	m
	1.65	m
	0.18	m
	1.82	m
	0.355	m3
	0.38	m3
Infiltration too slow to calculate		mins
		mins
		mins
		secs
		m2
		m/s

Assumes pit is not filled

[illegible]



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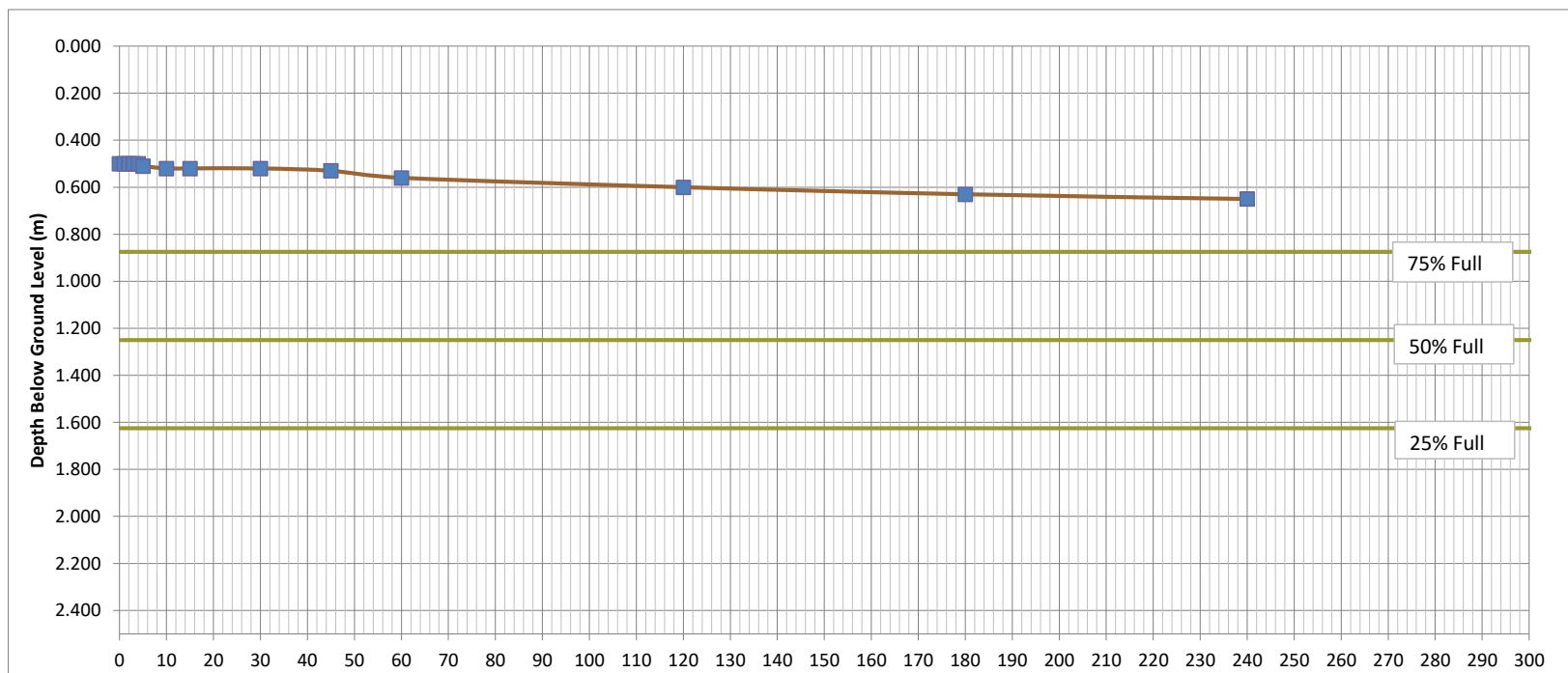
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Effective Depth
Hole width
Hole length
Depth to water at start of test below ground level
Depth to water at end of test below ground level
Effective storage depth to 75% full
(Depth below GL)
Effective storage depth to 50% full
(Depth below GL)
Effective storage depth to 25% full
(Depth below GL)
Height to 50% depth
Effective Storage Volume Vp75-25
Time tp25 at which water is 75% of effective depth (minutes)
Time tp25 at which water is 25% of effective depth (minutes)
Time for water level to fall between Vp75 -25
Time for water level to fall between Vp75 -25
Internal surface area of hole up to 50% depth including base
Soil Infiltration Rate, f

TP15	
21/08/2023	
Topsoil & Natural	
2.00	m
1.50	m
0.60	m
1.80	m
0.50	m
0.65	m
1.13	m
0.88	m
0.75	m
1.25	m
0.38	m
1.63	m
0.750	m3
0.81	m3
Infiltration too slow to calculate	mins
	mins
	mins
	secs
	m2
	m/s

Assumes pit is not filled

Time Elapsed (mins)	Depth of Water below GL (m)
0	0.500
1	0.500
2	0.500
3	0.500
4	0.500
5	0.510
10	0.520
15	0.520
30	0.520
45	0.530
60	0.560
120	0.600
180	0.630
240	0.650





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Effective Depth
Hole width
Hole length
Depth to water at start of test below ground level
Depth to water at end of test below ground level
Effective storage depth to 75% full
(Depth below GL)
Effective storage depth to 50% full
(Depth below GL)
Effective storage depth to 25% full
(Depth below GL)
Height to 50% depth
Effective Storage Volume Vp75-25
Time tp25 at which water is 75% of effective depth (minutes)
Time tp25 at which water is 25% of effective depth (minutes)
Time for water level to fall between Vp75 -25
Time for water level to fall between Vp75 -25
Internal surface area of hole up to 50% depth including base
Soil Infiltration Rate, f

TP16	
21/08/2023	
Topsoil & Natural	
2.00	m
1.50	m
0.60	m
1.80	m
0.50	m
0.64	m
1.13	m
0.88	m
0.75	m
1.25	m
0.38	m
1.63	m
0.750	m3
0.81	m3
Infiltration too slow to calculate	mins
	mins
	mins
	secs
	m2
	m/s

Assumes pit is not filled

Time Elapsed (mins)	Depth of Water below GL (m)
0	0.500
1	0.500
2	0.500
3	0.500
4	0.500
5	0.500
10	0.510
15	0.510
30	0.520
45	0.530
60	0.550
120	0.570
180	0.600
240	0.640

