

TEST 1	TEST 2	TEST 3
BRE 365 Method	BRE 365 Method	BRE 365 Method
Width of Trial Pit 0.6 m	Width of Trial Pit 0.6 m	Width of Trial Pit 0.6 m
Length of Trial Pit 2 m	Length of Trial Pit 2 m	Length of Trial Pit 2 m
or	or	or
Diameter of Borehole 0 m	Diameter of Borehole 0 m	Diameter of Borehole 0 m
Surface area of pit 1.2 m ²	Surface area of pit 1.2 m ²	Surface area of pit 1.2 m ²
Effective Depth (initial depth of water) 0.85 m	Effective Depth (initial depth of water) 1.02 m	Effective Depth (initial depth of water) 1 m
Gravel Void Ratio 30.00%	Gravel Void Ratio 30.00%	Gravel Void Ratio 30.00%
V _{p75-25} 0.153 m ³	V _{p75-25} 0.1836 m ³	V _{p75-25} 0.18 m ³
a _{p50} 3.41 m ²	a _{p50} 3.852 m ²	a _{p50} 3.8 m ²
t _{p75-25} time for water to fall from 0.6375 m	t _{p75-25} time for water to fall from 0.765 m	t _{p75-25} time for water to fall from 0.75 m
to 0.2125 m	to 0.255 m	to 0.25 m
t _{p75-25} = 117 s	t _{p75-25} = 123.6 s	t _{p75-25} = 113.4 s
Infiltration rate = V _{p75-25} / (a _{p50} × t _{p75-25})	Infiltration rate = V _{p75-25} / (a _{p50} × t _{p75-25})	Infiltration rate = V _{p75-25} / (a _{p50} × t _{p75-25})
Infiltration rate = 3.83E-04 m/s	Infiltration rate = 3.86E-04 m/s	Infiltration rate = 4.18E-04 m/s

RAW DATA			
mins	depth bgl	water depth	
0	1.65		
0.5	1.845		
0.55	1.8645	1.8625	0.6375
0.6	1.884		
1	2.04		
2	2.23		
2.5	2.285	2.2875	0.2125
3	2.34		
4	2.42		

RAW DATA			
mins	depth bgl	water depth	
0	1.48		
0.48	1.7344	1.735	0.765
0.5	1.745		
1	2.01		
2	2.18		
2.5	2.24		
2.54	2.2448	2.245	0.255
3	2.3		
4	2.41		

RAW DATA			
mins	depth bgl	water depth	
0	1.5		
0.5	1.745		
0.51	1.7499	1.75	0.75
1	1.99		
2	2.21		
2.4	2.25	2.25	0.25
2.5	2.26		
3	2.31		
4	2.34		
5	2.37		