

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 1.9 m	Length of Trial Pit 1.9 m	Length of Trial Pit 1.9 m
or	or	or
Diameter of Borehole 0 m	Diameter of Borehole 0 m	Diameter of Borehole 0 m
Surface area of pit 1.14 m ²	Surface area of pit 1.14 m ²	Surface area of pit 1.14 m ²
Effective Depth (initial depth of water) 0.99 m	Effective Depth (initial depth of water) 0.94 m	Effective Depth (initial depth of water) 0.86 m
Gravel Void Ratio 30.00%	Gravel Void Ratio 30.00%	Gravel Void Ratio 30.00%
V _{p75-25} 0.16929 m ³	V _{p75-25} 0.16074 m ³	V _{p75-25} 0.14706 m ³
a _{p50} 3.615 m ²	a _{p50} 3.49 m ²	a _{p50} 3.29 m ²
t _{p75-25} time for water to fall from 0.7425 m	t _{p75-25} time for water to fall from 0.705 m	t _{p75-25} time for water to fall from 0.645 m
to 0.2475 m	to 0.235 m	to 0.215 m
t _{p75-25} = 133.8 s	t _{p75-25} = 125.4 s	t _{p75-25} = 222.6 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 = 3.50E-04 m/s	Infiltration rate = 3.67E-04 m/s	Infiltration rate = 2.01E-04 m/s

mins	RAW DATA depth bgl	water depth	mins	RAW DATA depth bgl	water depth	mins	RAW DATA depth bgl	water depth
0	1.51		0	1.56		0	1.64	
0.43	1.7551	1.7575 0.7425	0.41	1.7937	1.795 0.705	0.62	1.8694	1.855 0.645
1	2.08		1	2.13		1	2.01	
2	2.2		2	2.24		2	2.17	
2.66	2.2528	2.2525 0.2475	2.5	2.265	2.265 0.235	3	2.24	
3	2.28		3	2.29		4	2.28	
4	2.31		4	2.31		4.33	2.2899	2.285 0.215
5	2.34		5	2.34		5	2.31	
6	2.36		6	2.37		6	2.33	
7	2.38		7	2.39		7	2.35	
8	2.4		8	2.4		8	2.37	
9	2.45		10	2.42		10	2.41	
10	2.5		15	2.47		15	2.44	
			20	2.5		20	2.47	
						25	2.5	