

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 2.1 m	Length of Trial Pit 2.1 m	Length of Trial Pit 2.1 m
or	or	or
Diameter of Borehole 0 m	Diameter of Borehole 0 m	Diameter of Borehole 0 m
Surface area of pit 1.26 m ²	Surface area of pit 1.26 m ²	Surface area of pit 1.26 m ²
Effective Depth (initial depth of water) 1.3 m	Effective Depth (initial depth of water) 1.32 m	Effective Depth (initial depth of water) 1.49 m
Gravel Void Ratio 30.00%	Gravel Void Ratio 30.00%	Gravel Void Ratio 30.00%
V _{p75-25} 0.2457 m ³	V _{p75-25} 0.24948 m ³	V _{p75-25} 0.28161 m ³
a _{p50} 4.77 m ²	a _{p50} 4.824 m ²	a _{p50} 5.283 m ²
t _{p75-25} time for water to fall from 0.975 m	t _{p75-25} time for water to fall from 0.99 m	t _{p75-25} time for water to fall from 1.1175 m
to 0.325 m	to 0.33 m	to 0.3725 m
t _{p75-25} = 108.6 s	t _{p75-25} = 114.6 s	t _{p75-25} = 136.8 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 = 4.74E-04 m/s	Infiltration rate = 4.51E-04 m/s	Infiltration rate = 3.90E-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	1.3		0	1.28		0	1.11	
0.69	1.6243	1.625 0.975	0.66	1.61	1.61 0.99	1	1.38	
1	1.77		1	1.78		1.27	1.4826	1.4825 1.1175
2	2.13		2	2.11		2	1.76	
2.5	2.275	2.275 0.325	2.57	2.2696	2.27 0.33	3	2.08	
3	2.42		3	2.39		3.55	2.2285	2.2275 0.3725
4	2.6		4	2.6		4	2.35	
						5	2.59	