

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) 1.04 m	Effective Depth (initial depth of water) 1.27 m	Effective Depth (initial depth of water) 1.26 m
Gravel Void Ratio 30.00%	Gravel Void Ratio 30.00%	Gravel Void Ratio 30.00%
V_{p75-25} 0.19656 m ³	V_{p75-25} 0.24003 m ³	V_{p75-25} 0.23814 m ³
a_{p50} 4.068 m ²	a_{p50} 4.689 m ²	a_{p50} 4.662 m ²
t_{p75-25} time for water to fall from 0.78 m	t_{p75-25} time for water to fall from 0.9525 m	t_{p75-25} time for water to fall from 0.945 m
to 0.26 m	to 0.3175 m	to 0.315 m
$t_{p75-25} = 73.2$ s	$t_{p75-25} = 68.4$ s	$t_{p75-25} = 85.2$ s
Infiltration rate = $V_{p75-25} / (a_{p50} \times t_{p75-25})$	Infiltration rate = $V_{p75-25} / (a_{p50} \times t_{p75-25})$	Infiltration rate = $V_{p75-25} / (a_{p50} \times t_{p75-25})$
Infiltration rate = 6.60E-04 m/s	Infiltration rate = 7.48E-04 m/s	Infiltration rate = 6.00E-04 m/s

mins	RAW DATA depth bgl	water depth
0	1.46	
0.47	1.7232	1.72 0.78
1	2.02	
1.5	2.18	
1.69	2.2408	2.24 0.26
2	2.34	
3	2.45	
4	2.5	

mins	RAW DATA depth bgl	water depth
0	1.23	
0.39	1.5498	1.5475 0.9525
0.5	1.64	
1	2.05	
1.53	2.1825	2.1825 0.3175
2	2.3	
3	2.43	
4	2.5	

mins	RAW DATA depth bgl	water depth
0	1.24	
0.54	1.5586	1.555 0.945
1	1.83	
1.96	2.1852	2.185 0.315
2	2.2	
3	2.35	
4	2.44	
5	2.5	