

SOAKAWAY TEST RESULTS

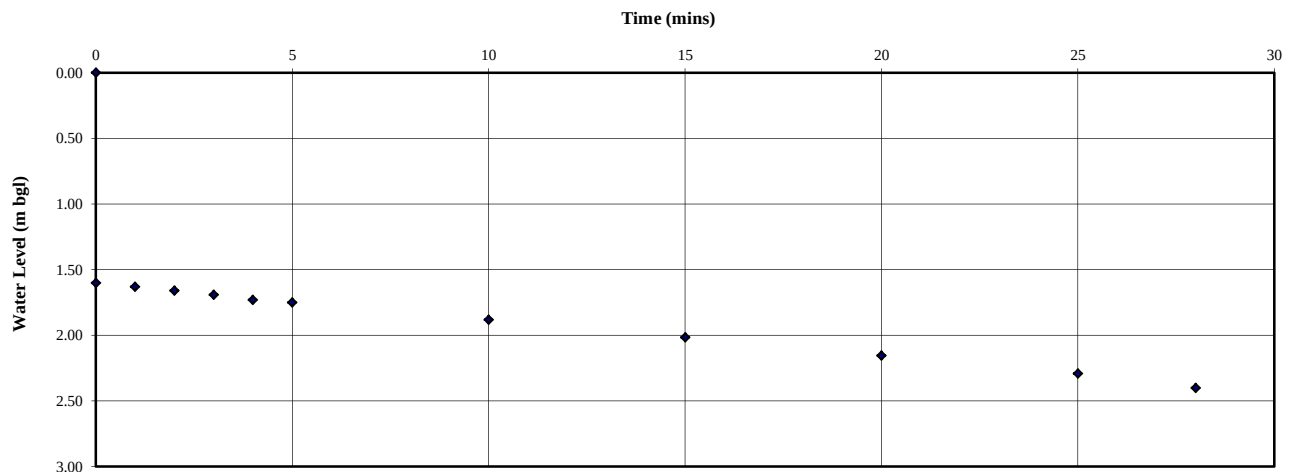
Date of Test: 24-07-14

Hole ID: SA1

Start of Test 10:15

Trial Pit Dimensions (m)	Length	Width	Depth	Depth for Analysis
	1.43	1.00	2.40	0.80

Time (mins)	Depth of water (m bgl)	Time (mins)	Depth of water (m bgl)	$V_{(p75-25)}$ = Effective storage volume in trial pit between effective depths 25% to 75%. = 0.57 m ³
0.0	1.600			
1.0	1.630			$a_{(p50)}$ = Initial surface area of trial pit up to 50% effective depth and including the base area. = 3.37 m ²
2.0	1.660			
3.0	1.690			$t_{(p75-25)}$ = Time for the water level to fall from 75 % to 25% effective depth. = 18 min
4.0	1.730			
5.0	1.750			Soil infiltration rate = $\frac{V_{(p75-25)}}{t_{(p75-25)} \times a_{(p50)} \times 60}$
10.0	1.880			
15.0	2.015			Depth _(25%) = 2.2 Depth _(75%) = 1.800 m
20.0	2.155			
25.0	2.290			Soil infiltration rate = 1.6E-04 m/sec
28.0	2.400			
				Remarks * Extrapolated soil infiltration rate



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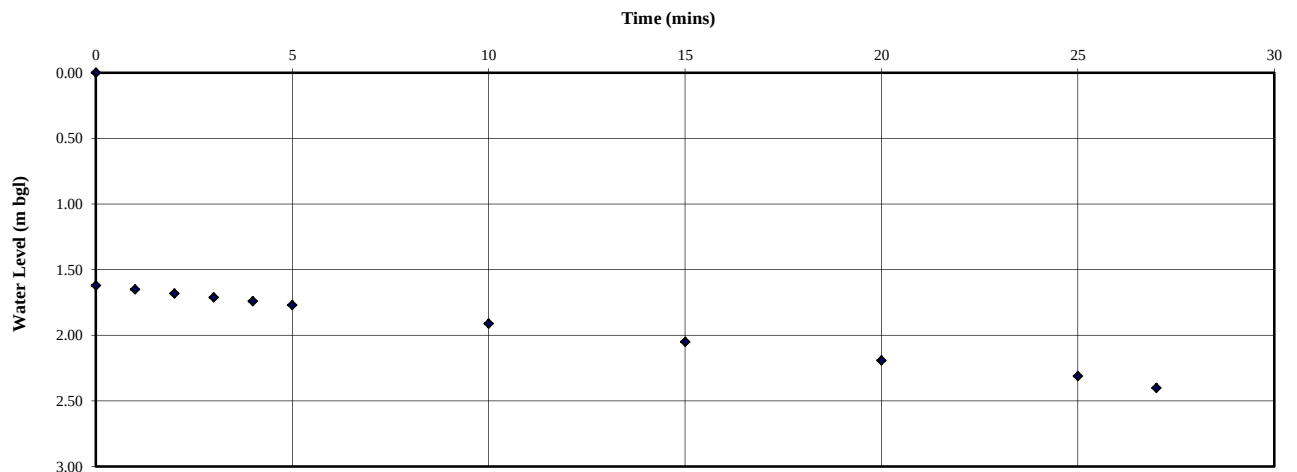
Date of Test: 24-07-14

Hole ID: SA1

Start of Test 11:00

Trial Pit Dimensions (m)	Length	Width	Depth	Depth for Analysis
	1.43	1.00	2.40	0.78

Time (mins)	Depth of water (m bgl)	Time (mins)	Depth of water (m bgl)	$V_{(p75-25)}$ = Effective storage volume in trial pit between effective depths 25% to 75%. = 0.56 m ³
0.0	1.620			
1.0	1.650			$a_{(p50)}$ = Initial surface area of trial pit up to 50% effective depth and including the base area. = 3.33 m ²
2.0	1.680			
3.0	1.710			$t_{(p75-25)}$ = Time for the water level to fall from 75 % to 25% effective depth. = 19 min
4.0	1.740			
5.0	1.770			Soil infiltration rate = $\frac{V_{(p75-25)}}{t_{(p75-25)} \times a_{(p50)} \times 60}$
10.0	1.910			
15.0	2.050			Depth _(25%) = 2.205 Depth _(75%) = 1.815 m
20.0	2.190			
25.0	2.310			Soil infiltration rate = 1.5E-04 m/sec
27.0	2.400			
				Remarks * Extrapolated soil infiltration rate



SOAKAWAY TEST RESULTS

Date of Test: 24-07-14

Hole ID: SA1

Start of Test 11:45

Trial Pit Dimensions (m)	Length	Width	Depth	Depth for Analysis
	1.43	1.00	2.40	0.82

[illegible]