

Customer: Britology Ltd

Site: Shelly Woodhouse Lane, Huddersfield

Job No: 4276



Castledine
Environmental

INSITU SOAKAWAY TEST RESULTS

Trial Pit No: TP01

Sketch plan of test zone

(Not to scale)

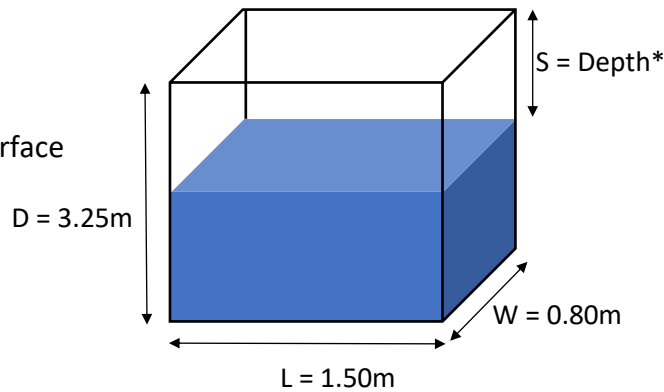
All dimensions in metres.

D = Depth of test pit below surface

W = Width of test pit

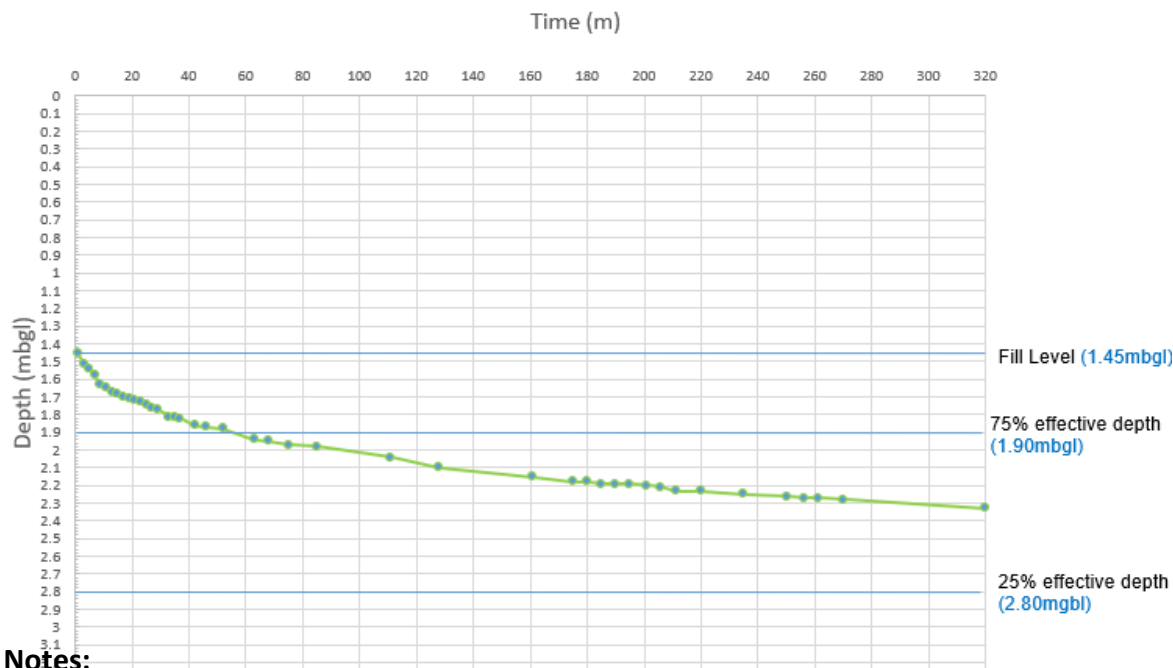
L = Length of test pit

S = Depth to water surface



Soakaway Test 1

Test Date: 30th April 2026



Notes:

Test and analysis carried out in general accordance with BRE Digest 365 : 2007.

TP01 was excavated using a JCB 3CX excavator, which encountered made ground topsoil overlaying residual mudstone consisting of gravelly clay to 2.70mbgl, then clayey gravel to the base of the pit at 3.25m. The excavation was filled rapidly using a tractor-towed tanker using a pump.

Water infiltration was slow, and 50% effective depth was only reached after 320 minutes (>5 hours). It is estimated that the pit would not reach 25% effective depth within a working day. It was not possible to calculate an infiltration rate, though it would likely be in the low 10^{-6} m/s region. The soakaway test is considered failed.

Time (mins)	Depth to water (m)
1	1.45
3	1.51
5	1.54
7	1.58
9	1.63
11	1.65
13	1.67
15	1.68
17	1.7
19	1.71
21	1.72
23	1.73
25	1.74
27	1.76
29	1.77
33	1.81
35	1.81
37	1.82
42	1.86
46	1.87
52	1.88
63	1.94
68	1.95
75	1.97
85	1.98
111	2.04
128	2.1
161	2.15
175	2.18
180	2.18
185	2.19
190	2.19
195	2.19
201	2.2
206	2.21
211	2.23
220	2.23
235	2.25
250	2.26
256	2.27
261	2.27
270	2.28
320	2.33

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Environmental

INSITU SOAKAWAY TEST RESULTS

Trial Pit No: TP02

Sketch plan of test zone

(Not to scale)

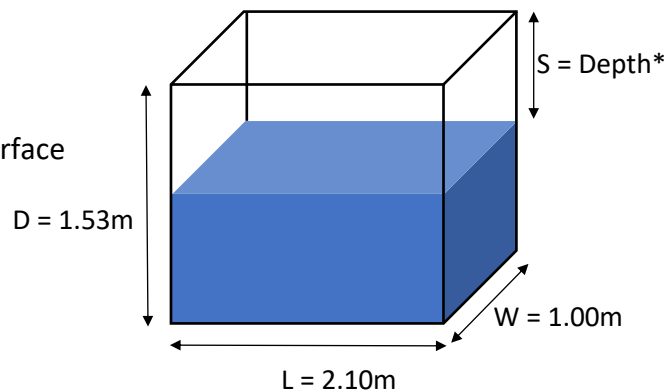
All dimensions in metres.

D = Depth of test pit below surface

W = Width of test pit

L = Length of test pit

S = Depth to water surface

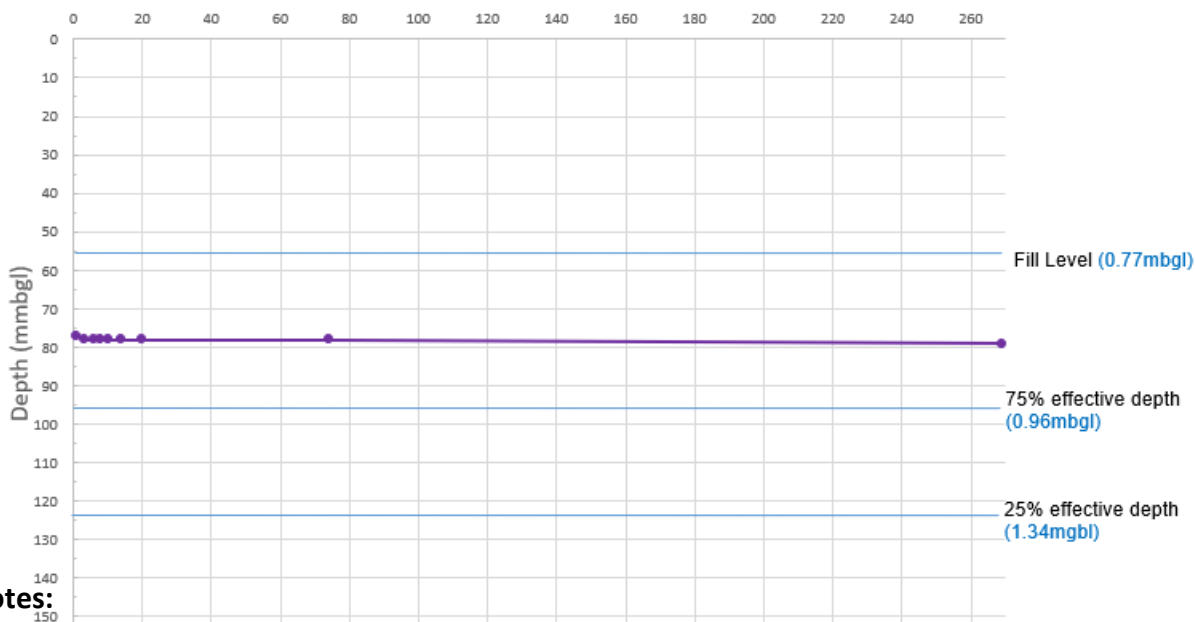


Time (mins)	Depth to water (m)
1	0.77
3	0.78
6	0.78
8	0.78
10	0.78
14	0.78
20	0.78
74	0.78
269	0.79

Soakaway Test 1

Test Date: 30th April 2026

Time (m)



Notes:

Test and analysis carried out in general accordance with BRE Digest 365 : 2007.

TP01 was excavated using a JCB 3CX excavator, which encountered granular made ground to 0.60m depth, overlaying residual mudstone consisting of gravelly clay to 2.00mbgl. The excavation was filled rapidly using a tractor-towed tanker using a pump.

Water infiltration was imperceptible and dropped 20mm over 269 minutes (>4 hours). It is estimated that the pit would not reach 75% effective depth within a working day. It was not possible to calculate an infiltration rate, though it would likely be in the low 10^{-6} m/s region. The soakaway test is considered failed.