Client:	GEMS	Location:	Bath	Coordinates[1]:	50000mE 50000mN
Project Name:	GEMS gINT	Borehole No.:	BH 10 / 10A & B	Depth Range:	0m - 20m
Project No.:	CB1234	Date Commenced:	16/04/2004	Water Depth[2]:	12m

DEPTH (m)	SAMPLE	*IN SITU* TEST	LEGEND	STRATA DESCRIPTION
0	P01			00.00m Dark grey, slightly silty, fine SAND, with scattered shell fragments. - light grey, fine SAND at seabed.
1	P02			
2		S01		
3	P03			03.00m Light grey, fine SAND, with scattered shell fragments.
4	P04			
5		S02		
6	P05			05.60m Soft to firm, dark olive grey, silty, organic CLAY.
7		S03		
8	P06			07.60m Dark olive grey, clayey, organic SILT, with decomposing wood fragments.
9		S04		09.20m Grey, fine to medium SAND.
10	P07			09.60m Dark olive grey, PEAT, with decomposing wood fragments.
11	P08			10.50m Firm to stiff, greenish grey, silty, CLAY, with occasional organic pockets.
12	P09			11.70m Dark greenish grey, SILT, with partings and pockets of fine sand.
13		S05		
14	P10			13.50m Firm to stiff, dark grey, silty, CLAY, with occasional organic pockets.
15	P11			
16	P12			15.90m Greenish grey, clayey SILT, with pockets and partings of fine sand.
17		S06		
18	P13			17.80m Stiff, dark grey to dark greenish grey, silty, CLAY, with occasional organic staining.
19	P14			

STANDARD PENETRATION TEST (N Value)[3]: 10 20 30 40 50

COMMENTS: (S01-Sampler Fell Under Own Weight)

UNDRAINED SHEAR STRENGTH (kPa): + Torvane; × Pocket Penetrometer; ● Undrained Triaxial Test; ⊙ Laboratory Vane; ▲ *In situ* Vane — 80 160 240 320 400

DENSITY (Mg/m^3): ● Bulk Density; ○ Dry Density — 1.40 1.60 1.80 2.00

CLASSIFICATION (%): × Water Content; □ Carbonate Content; ▲ Fines Content; Plastic Limit; Liquid Limit; Plasticity Index — 30 60 90 120

[1] Local Geodetic Datum: WGS-84 Zone 18 North, Actual Coordinates

[2] Water Depth: Initial Drillstring Measurement

[3] SPTs Performed to BS1377

Client:	GEMS	Location:	Bath	Coordinates[1]:	50000mE 50000mN
Project Name:	GEMS gINT	Borehole No.:	BH 10 / 10A & B	Depth Range:	20m - 40m
Project No.:	CB1234	Date Commenced:	16/04/2004	Water Depth[2]:	12m

DEPTH (m)	SAMPLE	*IN SITU* TEST	LEGEND	STRATA DESCRIPTION
21	P15			- blocky structure from 20.5m.
	P16			
22	P17			21.50m Light grey, fine to medium SAND, with scattered shell fragments.
23		S07		- becoming medium to coarse SAND from 22.5m.
24	P18			
25	H01			24.10m Dark greenish grey, silty, fine SAND.
26	P19			
27	H02			
28	P20			
29	H03			28.90m Stiff to very stiff, dark greenish grey, silty, organic CLAY.
30	P21			
31				
32	H04			
33				- with peat seams, pockets and layers from 33.3m.
34	P22			
35				
36	P23			
37				
38	H05			
39				38.50m Light greenish grey, fine to medium SAND.
	H06			- clayey, fine sand at 39.5m.

STANDARD PENETRATION TEST (N Value)[3]: 10 20 30 40 50 — COMMENTS

UNDRAINED SHEAR STRENGTH (kPa): + Torvane; × Pocket Penetrometer; ● Undrained Triaxial Test; ⊙ Laboratory Vane; ▲ *In situ* Vane — 80 160 240 320 400

DENSITY (Mg/m^3): ● Bulk Density; ○ Dry Density — 1.40 1.60 1.80 2.00

CLASSIFICATION (%): × Water Content; □ Carbonate Content; ▲ Fines Content; ●— Plastic Limit; —● Liquid Limit; ●—● Plasticity Index — 30 60 90 120

[1] Local Geodetic Datum: WGS-84 Zone 18 North, Actual Coordinates

[2] Water Depth: Initial Drillstring Measurement

[3] SPTs Performed to BS1377

Client:	GEMS	Location:	Bath	Coordinates[1]:	50000mE 50000mN
Project Name:	GEMS gINT	Borehole No.:	BH 10 / 10A & B	Depth Range:	40m - 60m
Project No.:	CB1234	Date Commenced:	16/04/2004	Water Depth[2]:	12m

DEPTH (m) | SAMPLE | *IN SITU* TEST | LEGEND | STRATA DESCRIPTION | STANDARD PENETRATION TEST (N Value)[3] | UNDRAINED SHEAR STRENGTH (kPa) | DENSITY (Mg/m^3) | CLASSIFICATION (%)

STANDARD PENETRATION TEST (N Value)[3]: 10 20 30 40 50 COMMENTS

UNDRAINED SHEAR STRENGTH (kPa): + Torvane; × Pocket Penetrometer; ● Undrained Triaxial Test; ⊙ Laboratory Vane; ▲ *In situ* Vane — 80 160 240 320 400

DENSITY (Mg/m^3): ● Bulk Density; ○ Dry Density — 1.40 1.60 1.80 2.00

CLASSIFICATION (%): × Water Content; □ Carbonate Content; ▲ Fines Content; ⊢● Plastic Limit; ●⊣ Liquid Limit; ⊢●⊣ Plasticity Index — 30 60 90 120

41 — P24
42
43 — S08
44
45 — P25
46
47 — S09
48
49 — P26
50 — S10
51
52
53
54
55
56
57
58
59

End of Borehole at 50.25m

(S10-Refusal)

[1] Local Geodetic Datum: WGS-84 Zone 18 North, Actual Coordinates

[2] Water Depth: Initial Drillstring Measurement

[3] SPTs Performed to BS1377