

Dynamic Sampled and Rotary Cored

Borehole No
BH1
Page No. 1 of 3

Project: Bristol Old Vic

Project No: C08364

Logged By: CJW

Location: Kings Street, Bristol

Date: 11/11/2008

Checked By: ARC

Client: Bristol Old Vic

Co-ords: -

Level: -

Progress Sample Run Size (mm)	Samples/ Tests			Mechanical Log				Water Strikes	Instrum- entation	Stratum Description	Depth	Legend
	Depth	Type	Results	TCR	SCR	RQD	IF/ Min mean/ max					
1.20-2.70				90	-	-				LIMESTONE COBBLE(MADE GROUND) Firm red/brown slightly sandy gravelly CLAY. Gravel is subangular fine to medium of limestone, brick and sandstone.(MADE GROUND)	1	
2.70-4.30				100	-	-				Soft grey slightly sandy slightly gravelly CLAY. Gravel is subangular fine of limestone, brick and ash.(MADE GROUND) Soft dark grey CLAY.(ALLUVIUM)	2	
4.30-5.80				100	-	-				Soft dark grey sandy slightly gravelly CLAY. Gravel is subangular fine of chert.(ALLUVIUM) Soft brown CLAY.(ALLUVIUM)	3	
5.80-7.30				100	-	-				...becomes grey at 5.3m.	4	
7.30-8.80				100	-	-					5	
											6	
											7	
											8	

General Remarks

Hand excavated pit carried out to 1.2m bgl.
 Dynamic sampled to 15.2m bgl.
 Rotary cored to 25.2m bgl.
 No visual or olfactory evidence of contamination.

- Continued on next sheet
- Key:**
 (c)SPT - Standard Penetration Test
 Cu - Undrained shear strength (kPa) from Hand Vane or penetrometer
 D - Disturbed Sample
 PT - Plastic Tub Sample
 V - Vile Sample
 AJ - Amber Jar Sample
 U - Undisturbed Sample
 Standing Water Level after 20mins
 Groundwater Strike

Project: Bristol Old Vic	Project No: C08364	Logged By: CJW
Location: Kings Street, Bristol	Date: 11/11/2008	Checked By: ARC
Client: Bristol Old Vic	Co-ords: -	Level: -



Progress Sample Run Size (mm)	Samples/ Tests			Mechanical Log				Water Strikes	Instrum- entation	Stratum Description	Depth	Legend
	Depth	Type	Results	TCR	SCR	RQD	IF/ Min mean/ max					
8.80-10.30				100	-	-				Soft brown CLAY.(ALLUVIUM)	10	
10.30-11.80				100	-	-				Soft grey slightly sandy CLAY.(ALLUVIUM)	11	
11.80-13.10				100	-	-					12	
13.10-14.00				95	-	-				Medium dense (inferred) slightly clayey slightly sandy GRAVEL. Gravel is subangular to subrounded fine chert and mudstone.(ALLUVIUM)	13	
14.00-15.20				85	-	-					14	
15.20-15.95				100	90	48				Unweathered moderately strong medium to thinly bedded red/brown MUDSTONE. Bedding is subhorizontal dipping approximately 50°, open, planar and infilled with clay. Joints: vertical and closed. (Grade I).(MERCIA MUDSTONE)	15	
15.95-16.22	16.40	SPT	50/75mm Abandoned	100	100	15					16	
16.22-17.70				100	95	66					17	
17.70-19.20				100	100	90						

General Remarks

Hand excavated pit carried out to 1.2m bgl.
 Dynamic sampled to 15.2m bgl.
 Rotary cored to 25.2m bgl.
 No visual or olfactory evidence of contamination.

Continued on next sheet

Key:

- (c)SPT - Standard Penetration Test
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BH1

Page No. 3 of 3

Project: Bristol Old Vic

Project No: C08364

Logged By: CJW

Location: Kings Street, Bristol

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Client: Bristol Old Vic

Co-ords: -

Level: -

Progress Sample Run Size (mm)	Samples/ Tests			Mechanical Log				Water Strikes	Instrum- entation	Stratum Description	Depth	Legend
	Depth	Type	Results	TCR	SCR	RQD	IF/ Min mean/ max					
19.20-20.70	19.40	SPT	50/75mm Abandoned	100	97	73				Unweathered moderately strong medium to thinly bedded red/brown MUDSTONE. Bedding is subhorizontal dipping approximately 50°, open, planar and infilled with clay. Joints: vertical and closed. (Grade I). (MERCIA MUDSTONE)	19	
20.70-22.20				58	40	32				Moderately weak thinly to medium bedded red fine to medium grained poorly cemented SANDSTONE. Bedding is subhorizontal dipping at 50°, open planar and rough. Joints: vertical and closed. (REDCLIFFE SANDSTONE)	20	
22.20-23.70	22.40	SPT	50/75mm Abandoned	84	71	29					21	
23.70-25.20				51	39	27				...between 24.5 - 25.2m no core recovered.	22	
										End of Borehole at 25.20 m	23	
											24	
											25	
											26	

General Remarks

Hand excavated pit carried out to 1.2m bgl.
 Dynamic sampled to 15.2m bgl.
 Rotary cored to 25.2m bgl.
 No visual or olfactory evidence of contamination.

Key:

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- Groundwater Strike

Project: Bristol Old Vic

Project No: C08364

Logged By: CJW

Location: Kings Street, Bristol

Date: 04/11/2008

Checked By: ARC

Client: Bristol Old Vic

Co-ords: -

Level: -

Progress Sample Run Size (mm)	Samples/ Tests			Mechanical Log				Water Strikes	Instrum- entation	Stratum Description	Depth	Legend	
	Depth	Type	Results	TCR	SCR	RQD	IF/ Min mean/ max						
1.00-1.80	1.80	SPT	N = 23 (2,1, 4,5,8,6)	100	-	-		▽	[Redacted]	LIMESONE cobble.(MADE GROUND)	1		
										Loose to medium dense (inferred) slightly clayey sandy GRAVEL. Gravel is subangular fine to medium of brick and limestone.(MADE GROUND)			
1.80-2.80										Firm brown/grey sandy gravelly CLAY. Gravel is subangular fine to medium of limestone and sandstone.(MADE GROUND)	2		
										Stiff brown sandy CLAY.(ALLUVIUM)			
2.80-3.80	3.25	SPT	N = 0 (3,0, 0,0,0,0)	100	-	-					Very soft light brown CLAY.(ALLUVIUM)	3	
										...Becoming grey at 3.5m.			
3.80-5.30	4.25	PT	N = 0 (1,0, 0,0,0,0)	100	-	-					Very soft brown sandy CLAY.(ALLUVIUM)	4	
5.30-6.80	5.75	SPT	N = 0 (2,0, 0,0,0,0)	100	-	-				5			
6.80-8.30	7.25	SPT	N = 0 (1,0, 0,0,0,0)	100	-	-				6			
8.30-9.80	8.75	SPT	N = 0 (3,0, 0,0,0,0)	100	-	-				7			
										8			

General Remarks

Hand excavated pit carried out to 1.0m bgl.
 Dynamic sampled to 12.8m bgl.
 Rotary cored to 29.6m bgl.
 No visual or olfactory evidence of contamination.

- Continued on next sheet
- Key:**
- (c)SPT - Standard Penetration Test
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 - ▽ Standing Water Level after 20mins
 - Groundwater Strike

Project: Bristol Old Vic

Project No: C08364

Logged By: CJW

Location: Kings Street, Bristol

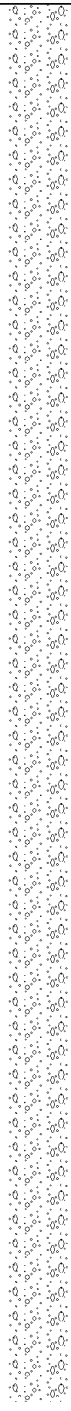
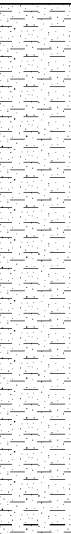
Date: 04/11/2008

Checked By: ARC

Client: Bristol Old Vic

Co-ords: -

Level: -



Progress Sample Run Size (mm)	Samples/ Tests			Mechanical Log				Water Strikes	Instrum- entation	Stratum Description	Depth	Legend
	Depth	Type	Results	TCR	SCR	RQD	IF/ Min mean/ max					
9.80-11.20	10.25	SPT	N = 0 (3,0, 0,0,0,0)	100	-	-				Very soft brown sandy CLAY.(ALLUVIUM) ...Becoming grey at 9.8m.	10	
11.20-12.80	11.30	SPT	N = 19 (2,2, 3,4,5,7)	100	-	-		... becomes stiff from 11.2m bgl.		11		
12.80-14.10	12.80	SPT	45/225mm - Abandoned	69	65	51		Very dense (inferred) red/brown slightly sandy slightly clayey GRAVEL. Gravel is subangular fine to medium of chert and mudstone.(ALLUVIUM)		13		
14.10-14.80				90	64	43		Unweathered moderately strong medium to thinly bedded red/brown MUDSTONE. Bedding is subhorizontal dipping approximately 50°, open, planar and infilled with clay. Joints: vertical and closed. (Grade I).(MERCIA MUDSTONE)		14		
14.80-16.30				100	95	83				15		
16.30-17.80				100	100	90			16			
										17		

General Remarks

Hand excavated pit carried out to 1.0m bgl.
 Dynamic sampled to 12.8m bgl.
 Rotary cored to 29.6m bgl.
 No visual or olfactory evidence of contamination.

Continued on next sheet

Key:

- (c)SPT - Standard Penetration Test
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-  Standing Water Level after 20mins
-  Groundwater Strike



Dynamic Sampled and Rotary Cored

Borehole No
BH2
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Project: Bristol Old Vic

Project No: C08364

Logged By: CJW

Location: Kings Street, Bristol

Date: 04/11/2008

Checked By: ARC

Client: Bristol Old Vic

Co-ords: -

Level: -

Progress Sample Run Size (mm)	Samples/ Tests			Mechanical Log				Water Strikes	Instrum- entation	Stratum Description	Depth	Legend
	Depth	Type	Results	TCR	SCR	RQD	IF/ Min mean/ max					
17.80-19.30				95	95	95				Unweathered moderately strong medium to thinly bedded red/brown MUDSTONE. Bedding is subhorizontal dipping approximately 50°, open, planar and infilled with clay. Joints: vertical and closed. (Grade I). (MERCIA MUDSTONE)	19	
19.30-20.80				100	93	67		Moderately weak thinly to medium bedded red fine to medium grained poorly cemented SANDSTONE. Bedding: subhorizontal dipping at 50°, open planar and rough. Joints: vertical and closed. (REDCLIFFE SANDSTONE)		20		
20.80-22.30				100	95	90				21		
22.30-23.80				100	95	90				22		
23.80-24.80				95	95	65				23		
24.80-26.30				100	90	80				24		
26.30-27.80				100	90	90			25			
									26			

General Remarks

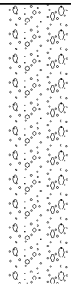
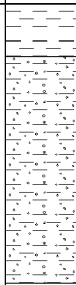
Hand excavated pit carried out to 1.0m bgl.
 Dynamic sampled to 12.8m bgl.
 Rotary cored to 29.6m bgl.
 No visual or olfactory evidence of contamination.

Continued on next sheet

Key:

- (c)SPT - Standard Penetration Test
- Cu - Undrained shear strength (kPa) from Hand Vane or penetrometer
- D - Disturbed Sample
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- U - Undisturbed Sample
- Standing Water Level after 20mins
- Groundwater Strike



Project: Bristol Old Vic	Project No: C08364	Logged By: CJW
Location: Kings Street, Bristol	Date: 04/11/2008	Checked By: ARC
Client: Bristol Old Vic	Co-ords: -	Level: -

Progress Sample Run Size (mm)	Samples/ Tests			Mechanical Log				Water Strikes	Instrum- entation	Stratum Description	Depth	Legend
	Depth	Type	Results	TCR	SCR	RQD	IF/ Min mean/ max					
27.80-28.10				100	100	90				Stiff red/orange thinly laminated CLAY.(LOWER COAL SERIES)	28	
28.10-29.60				100	90	90		Stiff black organic rich gravelly CLAY. Gravel is subangular fine of coal.(LOWER COAL SERIES)		29		
End of Borehole at 29.60 m										30		
31												
32												
33												
34												
35												

General Remarks

Hand excavated pit carried out to 1.0m bgl.
 Dynamic sampled to 12.8m bgl.
 Rotary cored to 29.6m bgl.
 No visual or olfactory evidence of contamination.

Key:

- (c)SPT - Standard Penetration Test
- Cu - Undrained shear strength (kPa) from Hand Vane or penetrometer
- D - Disturbed Sample
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- AJ - Amber Jar Sample
- U - Undisturbed Sample
-  Standing Water Level after 20mins
-  Groundwater Strike

Project: Bristol Old Vic	Project No: C08364	Logged By: CJW
Location: Kings Street, Bristol	Date: 06/11/2008	Checked By: ARC
Client: Bristol Old Vic	Co-ords: -	Level: -



Progress Sample Run Size (mm)	Samples / Tests			Water Strikes	Instrum- entation	Stratum Description	Depth	Level m AOD	Legend
	Depth	Type	Results						
0.00-1.00 87mm 20% rec						Reinforced CONCRETE over damp proof membrane.(MADE GROUND)			
						Medium dense to dense (inferred) grey/brown slightly clayey sandy GRAVEL. Gravel is subangular fine to coarse of brick.(MADE GROUND)			
	0.80	AJ PT				Soft brown slightly sandy slightly gravelly CLAY. gravel is subangular fine to medium of limestone and chert.(MADE GROUND)	1		
1.00-2.00 75mm 90% rec	1.30	Cu	62.0kPa			Firm brown slightly sandy CLAY.(ALLUVIUM)			
	1.40	AJ	75.0kPa						
	1.50	PT	87.0kPa						
	1.70	Cu	87.0kPa		becoming stiff at 1.7m.			
	1.90	Cu	50.0kPa				2		
2.00-3.00 65mm 90% rec	2.30	Cu	50.0kPa			...becoming firm at 2.3m.			
	2.70	Cu	0.0kPa			...becoming grey at 2.6m.			
	2.80	PT	0.0kPa			...becoming very soft at 2.7m.			
3.00-4.00 55mm 100% rec	2.90	Cu	0.0kPa			...organic pockets noted at 2.8m.	3		
	3.20	Cu	0.0kPa						
	3.60	Cu	0.0kPa						
End of Borehole at 4.00 m							4		
							5		
							6		
							7		
							8		

General Remarks

No visual or olfactory evidence of contamination.

Key:

- Cu - Undrained shear strength (kPa) - Hand Vane & Penetrometer
- D - Disturbed Sample
- PT - Plastic Tub Sample
- AJ - Amber Jar
- V - Vile
- U - Undisturbed

-  Standing Water Level
-  Groundwater Strike

Project: Bristol Old Vic	Project No: C08364	Logged By: CJW
Location: Kings Street, Bristol	Date: 05/11/2008	Checked By: ARC
Client: Bristol Old Vic	Co-ords: -	Level: -



Progress Sample Run Size (mm)	Samples / Tests			Water Strikes	Instrum- entation	Stratum Description	Depth	Level m AOD	Legend
	Depth	Type	Results						
0.00-1.00 87mm 20% rec						Reinforced CONCRETE.(MADE GROUND)			
						Loose (inferred) yellow/brown slightly gravelly SAND. Gravel is subangular fine to medium of limestone and sandstone.(MADE GROUND)			
						CONCRETE.(MADE GROUND)			
1.00-2.00 75mm 80% rec	0.90	Cu	20.0kPa			Soft light brown slightly sandy gravelly CLAY. Gravel is subangular fine to medium of limestone and sandstone.(MADE GROUND)	1		
	1.30	PT				Firm pseudo-fibrous black PEAT.(ALLUVIUM)			
	1.80	PT	0.0kPa						
2.00-3.00 65mm 80% rec	1.90	Cu	0.0kPa			Very soft brown/grey slightly sandy CLAY.(ALLUVIUM)	2		
	2.60	Cu	0.0kPa						
	2.80	PT Cu	0.0kPa						
3.00-4.00 55mm 30% rec									
	3.80	Cu	0.0kPa			Very soft sandy slightly gravelly CLAY. Gravel is rounded to subrounded fine of limestone.(ALLUVIUM)			
	3.90	Cu	0.0kPa						
----- End of Borehole at 4.00 m									
							5		
							6		
							7		
							8		

General Remarks

No visual or olfactory evidence of contamination.

Key:

- Cu - Undrained shear strength (kPa) - Hand Vane & Penetrometer
- D - Disturbed Sample
- PT - Plastic Tub Sample
- AJ - Amber Jar
- V - Vile
- U - Undisturbed

-  Standing Water Level
-  Groundwater Strike



Dynamic Sampled and Rotary Cored

Borehole No
BH6
Page No. 1 of 3

Project: Bristol Old Vic	Project No: C08364	Logged By: CJW
Location: Kings Street, Bristol	Date: 13/11/2008	Checked By: ARC
Client: Bristol Old Vic	Co-ords: -	Level: -

Progress Sample Run Size (mm)	Samples/ Tests			Mechanical Log				Water Strikes	Instrum- entation	Stratum Description	Depth	Legend
	Depth	Type	Results	TCR	SCR	RQD	IF/ Min mean/ max					
0.70-2.10				100	-	-				LIMESTONE COBBLE(MADE GROUND) Firm red/brown slightly sandy gravelly CLAY. Gravel is subangular fine to medium of limestone, brick and sandstone.(MADE GROUND) Firm blue/grey slightly sandy gravelly CLAY. Gravel is subangular fine of limestone, ash and brick.(MADE GROUND)	1	
2.10-2.80				100	-	-				Soft blue/grey CLAY.(ALLUVIUM)	2	
2.80-4.35				100	-	-					3	
4.35-5.85				100	-	-					4	
5.85-7.35				100	-	-				...becomes blue from 5.85m.	5	
7.35-8.85				100	-	-					6	
											7	
											8	

General Remarks

Hand excavated pit carried out to 0.7m bgl.
 Dynamic sampled to 13.6m bgl.
 Rotary cored to 24.6m bgl.
 No visual or olfactory evidence of contamination.

Continued on next sheet

Key:

- (c)SPT - Standard Penetration Test
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- Standing Water Level after 20mins
- Groundwater Strike

Project: Bristol Old Vic

Project No: C08364

Logged By: CJW

Location: Kings Street, Bristol

Date: 13/11/2008

Checked By: ARC

Client: Bristol Old Vic

Co-ords: -



Level: -

Progress Sample Run Size (mm)	Samples/ Tests			Mechanical Log				Water Strikes	Instrum- entation	Stratum Description	Depth	Legend
	Depth	Type	Results	TCR	SCR	RQD	IF/ Min mean/ max					
8.85-10.35				100	-	-				Soft blue/grey CLAY.(ALLUVIUM)	10	
10.35-11.75				100	-	-					11	
11.75-13.60				90	-	-					12	
13.60-14.90				85	95	77				Medium dense (inferred) slightly clayey slightly sandy GRAVEL. Gravel is subangular to subrounded fine of chert and mudstone.(ALLUVIUM)	13	
14.90-16.40	15.20	SPT	50/75mm Abandoned	100	100	80				Unweathered moderately strong medium to thinly bedded red/brown MUDSTONE. Bedding is subhorizontal dipping approximately 50°, open, planar and infilled with clay. Joints: vertical and closed. (Grade I).(MERCIA MUDSTONE)	14	
16.40-17.90	16.20	SPT	50/75mm Abandoned	100	100	93					15	
											16	
											17	

General Remarks

Hand excavated pit carried out to 0.7m bgl.
 Dynamic sampled to 13.6m bgl.
 Rotary cored to 24.6m bgl.
 No visual or olfactory evidence of contamination.

Continued on next sheet

- Key:**
 (c)SPT - Standard Penetration Test
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 Standing Water Level after 20mins
 Groundwater Strike

Project: Bristol Old Vic

Project No: C08364

Logged By: CJW

Location: Kings Street, Bristol

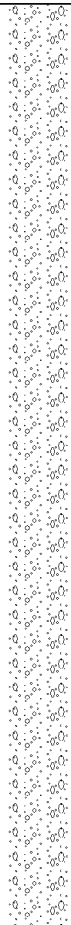
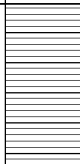
Date: 13/11/2008

Checked By: ARC

Client: Bristol Old Vic

Co-ords: -



Level: -

Progress Sample Run Size (mm)	Samples/ Tests			Mechanical Log				Water Strikes	Instrum- entation	Stratum Description	Depth	Legend	
	Depth	Type	Results	TCR	SCR	RQD	IF/ Min mean/ max						
17.90-19.40	20.70	SPT	50/75mm Abandoned	100	98	87			Unweathered moderately strong medium to thinly bedded red/brown MUDSTONE. Bedding is subhorizontal dipping approximately 50°, open, planar and infilled with clay. Joints: vertical and closed. (Grade I). (MERCIA MUDSTONE)	19			
19.40-20.90				100	95	80	Moderately weak thinly to medium bedded red fine to medium grained poorly cemented SANDSTONE. Bedding: subhorizontal dipping at 50°, open planar and rough. Joints: vertical and closed. (REDCLIFFE SANDSTONE)		20				
20.90-22.40				100	90	73			21				
22.40-23.90				100	85	80			22				
23.90-24.60				93	90	64	...large quartzitic sandstone cobble from 24.2 to 24.6m.		23				
End of Borehole at 24.60 m										24			
End of Borehole at 24.60 m												25	
End of Borehole at 24.60 m												26	

General Remarks

Hand excavated pit carried out to 0.7m bgl.
 Dynamic sampled to 13.6m bgl.
 Rotary cored to 24.6m bgl.
 No visual or olfactory evidence of contamination.

Key:

- (c)SPT - Standard Penetration Test
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