

Borehole Log

BH5R

Page 1 of 4

Project Name: BLACKBURN MEADOWS WwTW, SLUDGE STRATEGY Project No: A1017-11






Borehole ID: BH5R

Location: Blackburn Meadows Sludge Co-ords (British National Grid): 440011.57 - 391661.89 Level: 30.8

Hole Type: CP+RC Logged By: Dates: 2011-03-23 - 2011-03-25

Client: Black & Veatch Limited Contractor: SOIL MECHANICS Project Engineer:

Plant Used: SPT Hammer Serial No:

Well	Water	Samples		Result	Depth (m)	Level (m)	Legend	Stratum Description	Depth m
		Depth (m)	Type						
		0.0 - 1.0	B	N=40 (3,5/12,10,9,9)				Firm locally stiff dark grey sandy gravelly CLAY with medium cobble content Gravel is angular to rounded fine to coarse of brick concrete coke slag macadam and occasional siltstone and metal Cobbles are subangular to subrounded of concrete and brick MADE GROUND	0.5
		1.0	ES						1.0
		1.2 - 1.65 1.2 - 1.7	D B						1.5
		2.0 2.0 - 2.45 2.0 - 2.5	ES D B	(4,21 for 70mm)	2.50	28.30		Soft thickly laminated to very thinly bedded light brown orange mottled light grey CLAY with occasional black staining	2.0
		2.5 - 3.0	B						2.5
		3.0	ES						3.0
		3.2 - 3.65 3.2 - 3.7	D B	N=4 (1,1/1,0,1,2)	3.80	27.00		Medium dense brown grey locally clayey sandy rounded to subrounded fine to coarse GRAVEL of sandstone and siltstone with medium cobble content Cobbles are rounded to subrounded of sandstone and siltstone	3.5
		3.8 - 4.5 3.9 - 4.35 4.0	B U W						4.0
		4.5 - 4.95 4.5 - 5.0	D B	N=12 (2,3/3,1,3,5)					4.5

IMPORTANT: This is a basic log auto-generated from AGS data held by the National Geoscience Data Centre (NGDC) and does not necessarily include all of the information supplied in the original AGS file. If you wish to deposit AGS files to the NGDC please see www.bgs.ac.uk/services/ngdc. Generated 05-08-2025 at 06:38. BGS Reference 20190405103001331205

Borehole Log

BH5R

Page 2 of 4

Project Name: BLACKBURN MEADOWS WwTW, SLUDGE STRATEGY Project No: A1017-11





Borehole ID: BH5R

Location: Blackburn Meadows Sludge Co-ords (British National Grid): 440011.57 - 391661.89 Level: 30.8

Hole Type: CP+RC Logged By: Dates: 2011-03-23 - 2011-03-25

Client: Black & Veatch Limited Contractor: SOIL MECHANICS Project Engineer:

Plant Used: SPT Hammer Serial No:

Well	Water	Samples		Result	Depth (m)	Level (m)	Legend	Stratum Description	Depth m
		Depth (m)	Type						
		5.7	W					Medium dense brown grey locally clayey sandy rounded to subrounded fine to coarse GRAVEL of sandstone and siltstone with medium cobble content Cobbles are rounded to subrounded of sandstone and siltstone	5.5
		6.2 - 6.65 6.2 - 6.7	D B	50 (4,11/15,14,16,5 for 10mm)					6.0
		7.5 - 7.95 7.5 - 8.0	D B	N=22 (3,5/5,5,5,7)	7.50	23.30			7.5
		9.2 - 9.65 9.2 - 9.7	D B	50 (5,11/10,13,15,12 for 30mm)				Very weak to weak light bluish grey MUDSTONE Recovered as clayey angular to subangular fine to coarse gravel	8.0
									8.5
									9.0
									9.5

IMPORTANT: This is a basic log auto-generated from AGS data held by the National Geoscience Data Centre (NGDC) and does not necessarily include all of the information supplied in the original AGS file. If you wish to deposit AGS files to the NGDC please see www.bgs.ac.uk/services/ngdc. Generated 05-08-2025 at 06:38. BGS Reference 20190405103001331205

Borehole Log

BH5R

Page 3 of 4

Project Name: BLACKBURN MEADOWS WwTW, SLUDGE STRATEGY Project No: A1017-11


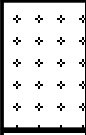
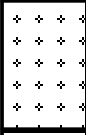
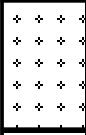
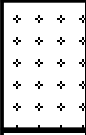
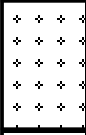
Borehole ID: BH5R

Location: Blackburn Meadows Sludge Co-ords (British National Grid): 440011.57 - 391661.89 Level: 30.8

Hole Type: CP+RC Logged By: Dates: 2011-03-23 - 2011-03-25

Client: Black & Veatch Limited Contractor: SOIL MECHANICS Project Engineer:

Plant Used: SPT Hammer Serial No:

Well	Water	Samples		Result	Depth (m)	Level (m)	Legend	Stratum Description	Depth m
		Depth (m)	Type						
		10.7	D 50	(15,10 for 30mm/36,14 for 10mm)	10.70	20.10		Very weak to weak light bluish grey MUDSTONE Recovered as clayey angular to subangular fine to coarse gravel	10.5
		11.83 - 11.88	CS					Strong orange and brown fine grained SANDSTONE	11.0
		12.25 - 12.35	CS					Extremely weak to very weak grey thinly laminated MUDSTONE Fractures are subhorizontal to subvertical very closely to closely spaced tight planar smooth with occasional soft grey clay and fine gravel infill	11.5
		13.65 - 13.7	CS						12.0
		14.9 - 15.0	CS						12.5

IMPORTANT: This is a basic log auto-generated from AGS data held by the National Geoscience Data Centre (NGDC) and does not necessarily include all of the information supplied in the original AGS file. If you wish to deposit AGS files to the NGDC please see www.bgs.ac.uk/services/ngdc. Generated 05-08-2025 at 06:38. BGS Reference 20190405103001331205

Borehole Log

BH5R

Page 4 of 4

Project Name: BLACKBURN MEADOWS WwTW, SLUDGE STRATEGY Project No: A1017-11




Borehole ID: BH5R

Location: Blackburn Meadows Sludge Co-ords (British National Grid): 440011.57 - 391661.89 Level: 30.8

Hole Type: CP+RC Logged By: Dates: 2011-03-23 - 2011-03-25

Client: Black & Veatch Limited Contractor: SOIL MECHANICS Project Engineer:

Plant Used: SPT Hammer Serial No:

Well	Water	Samples		Result	Depth (m)	Level (m)	Legend	Stratum Description	Depth m
		Depth (m)	Type						
		18.25 - 18.35	CS					Extremely weak to very weak grey thinly laminated MUDSTONE Fractures are subhorizontal to subvertical very closely to closely spaced tight planar smooth with occasional soft grey clay and fine gravel infill	15.5
									16.0
									16.5
									17.0
									17.5
									18.0
									18.5
									19.0
									19.5
					19.70	11.10			

IMPORTANT: This is a basic log auto-generated from AGS data held by the National Geoscience Data Centre (NGDC) and does not necessarily include all of the information supplied in the original AGS file. If you wish to deposit AGS files to the NGDC please see www.bgs.ac.uk/services/ngdc. Generated 05-08-2025 at 06:38. BGS Reference 20190405103001331205

GENERAL REMARKS

Hammer ID: SM15. Rod type: B.