



Land to rear of adjacent public house in northeast of site (view to east)



View of northern vegetated bank from top of western bank (view to northeast)



View across site from top of western bank showing public house (left) and waterlogged ground (centre)



View across site from top of western bank showing adjacent nursery school with college beyond



Gas vent pipe observed on eastern site boundary (view to south)



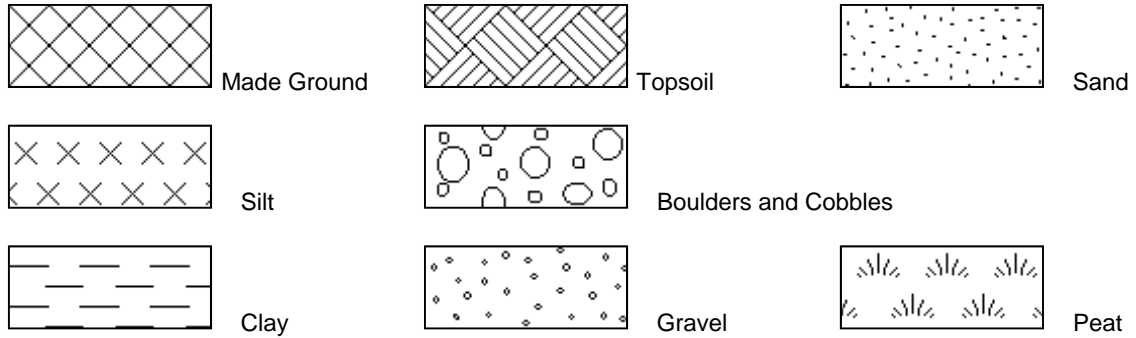
Severe waterlogging during second monitoring round (CT02)



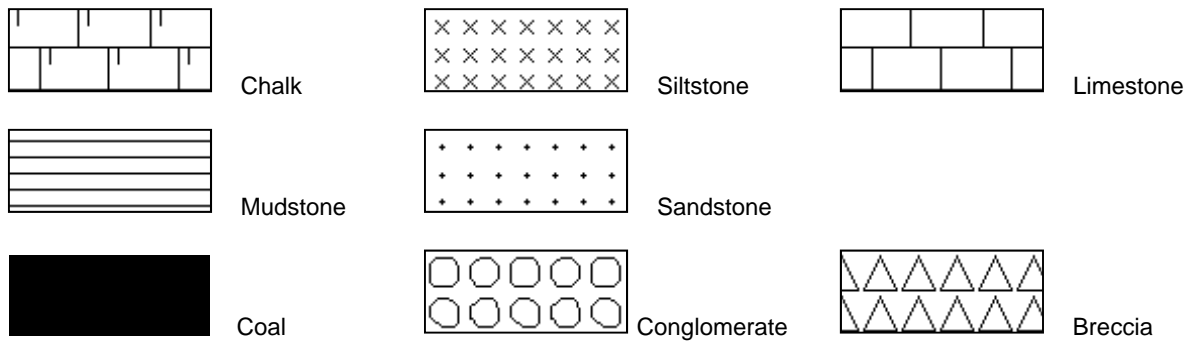
APPENDIX B

FIELDWORK AND TESTING



LEGEND - Soils



LEGEND - Rocks (Sedimentary)



LOG ABBREVIATIONS

W	Water Sample		Water Strike
B	Bulk Sample		Water (Standing Level)
D	Disturbed Sample	PP	Pocket Penetrometer
J	Jar Sample	HV	Hand Vane
U	Undisturbed Sample	SPT	Standard Penetration Test
(No. of blows shown in brackets for U100 samples)		CPT	Cone Penetration Test
WAC	Waste Acceptance Criteria Sample	CBR	California Bearing Ratio
		*	Extrapolated Value

Pocket penetrometer testing provides values of unconfined compressive strength. The results have been converted to an approximate equivalent shear strength which should be used with due circumspection. As the pocket penetrometer tends to overestimate shear strength, we have used an appropriate reduction factor.

LOG KEY



Trial Pit Log

Trial Pit No.

TP 01

Project Location: Monks Lane, Newbury, Berkshire, RG14 7TD

Co-ords: 447221E - 165206N

Project Number:
19.12.021

Level: 120.80 m AOD

Logged By:

Dates: 15/01/2020

Jane Taylor
to BS 5930:2015

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth (m)	Type	(kPa)					
	0.10	D					TOPSOIL Soft dark brown slightly gravelly organic CLAY.	
				0.30	120.50			
	0.50	D					SILCHESTER GRAVEL MEMBER (Loose) brown slightly sandy clayey GRAVEL. Gravel is medium to coarse angular to rounded flint and quartzite.	
				0.70	120.10			
	1.00	D					SILCHESTER GRAVEL MEMBER (Loose) yellow cream slightly clayey very sandy GRAVEL. Gravel is fine to coarse sub-angular to rounded flint and quartzite.	1
	1.50	D						
▼								
	2.00	D		2.00	118.80		End of Trial Pit at 2.00m	2
								3
								4

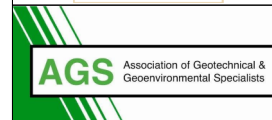
Method of excavation: 360 Excavator

Stability: Collapsing in from 0.7m and caving in at sides

Groundwater: Water seepage at 1.7m bgl

Trial Pit Dimensions: 0.5m x 1.6m x 2.0m

Remarks: Co-ordinates provided to nearest 5m and 0.1m AOD





Trial Pit Log

Trial Pit No.

TP 02

Project Location: Monks Lane, Newbury, Berkshire, RG14 7TD

Co-ords: 447216E - 165225N

Project Number:
19.12.021

Level: 121.30 m AOD

Logged By:

Dates: 15/01/2020

Jane Taylor
to BS 5930:2015

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth (m)	Type	(kPa)					
	0.20	D		0.20	121.10		TOPSOIL Soft dark brown slightly gravelly organic CLAY.	
	0.50	D		0.50	120.80		SILCHESTER GRAVEL MEMBER (Loose) brown slightly sandy clayey GRAVEL. Gravel is medium to coarse angular to rounded flint and quartzite.	
	1.00	D					SILCHESTER GRAVEL MEMBER (Loose) yellow cream clayey sandy GRAVEL. Gravel is fine to medium angular to rounded flint and quartzite.	1
	1.50	D						
▼				1.90	119.40		End of Trial Pit at 1.90m	2
								3
								4

Method of excavation: 360 Excavator

Stability: Collapsing and caving in on sides from 0.5m

Groundwater: Water ingress at base

Trial Pit Dimensions: 0.6m x 1.7m x 1.9m

Remarks: Co-ordinates provided to nearest 5m and 0.1m AOD





Trial Pit Log

Trial Pit No.

TP 03

Project Location: Monks Lane, Newbury, Berkshire, RG14 7TD

Co-ords: 447178E - 165227N

Project Number:
19.12.021

Level: 121.50 m AOD

Logged By:

Dates: 15/01/2020

Jane Taylor
to BS 5930:2015

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth (m)	Type	(kPa)					
	0.10	D		0.20	121.30		TOPSOIL Soft dark brown gravelly organic CLAY with rootlets. Gravel is fine to medium sub-angular to sub-rounded flint and quartzite.	
	0.50	D		0.60	120.90		SILCHESTER GRAVEL MEMBER (Loose) brown sandy very clayey GRAVEL. Gravel is fine to medium sub-angular to sub-rounded flint and quartzite.	
	1.00	D					LONDON CLAY FORMATION Firm orange mottled light grey slightly sandy slightly gravelly CLAY. Gravel is medium to coarse sub-rounded to rounded flint and quartzite. Becoming less gravelly with depth.	1
▼	2.00	D						2
	2.50	D						
	3.00	D						3
	3.50	D		3.50	118.00		End of Trial Pit at 3.50m	
								4

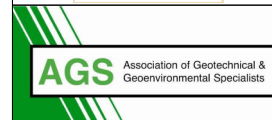
Method of excavation: 360 Excavator

Stability: Sides Stable

Groundwater: Water ingress from 2.0m bgl

Trial Pit Dimensions: 0.6m x 1.6m x 3.5m

Remarks: Co-ordinates provided to nearest 5m and 0.1m AOD





Trial Pit Log

Trial Pit No.

TP 04

Project Location: Monks Lane, Newbury, Berkshire, RG14 7TD

Co-ords: 447176E - 165261N

Project Number:
19.12.021

Level: N/A

Logged By:

Dates: 15/01/2020

Jane Taylor
to BS 5930:2015

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth (m)	Type	(kPa)					
	0.50	D					MADE GROUND Soft dark brown very gravelly CLAY with rootlets. Gravel is fine to coarse sub-angular to rounded flint and quartzite.	1
							End of Trial Pit at 0.50m	2
								3
								4

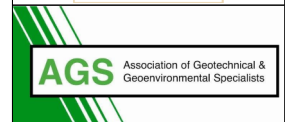
Method of excavation: 360 Excavator

Stability: N/A

Groundwater: N/A

Trial Pit Dimensions: N/A

Remarks: Pit excavated horizontally into embankment
Co-ordinates provided to nearest 5m





Trial Pit Log

Trial Pit No.

TP 05

Project Location: Monks Lane, Newbury, Berkshire, RG14 7TD

Co-ords: 447197E - 165258N

Project Number:
19.12.021

Level: N/A

Logged By:

Dates: 15/01/2020

Jane Taylor
to BS 5930:2015

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth (m)	Type	(kPa)					
	0.50	D					MADE GROUND Soft dark brown gravelly CLAY with rootlets. Gravel is fine to coarse sub-angular to rounded flint and quartzite.	1
							End of Trial Pit at 0.50m	2
								3
								4

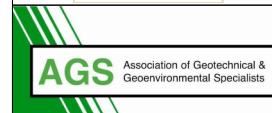
Method of excavation: 360 Excavator

Stability: N/A

Groundwater: N/A

Trial Pit Dimensions: N/A

Remarks: Pit excavated horizontally into embankment
Co-ordinates provided to nearest 5m



Continuous Tube Sampler Log

Borehole No.

HP 01

Project Location: Monks Lane, Newbury, Berkshire, RG14 7TD

Co-ords: 447246E - 165237N

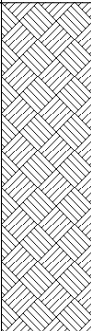
Project Number:
19.12.021

Level: 121.90 m AOD

Logged By:

Dates: 15/01/2020

Jane Taylor
to BS 5930:2015

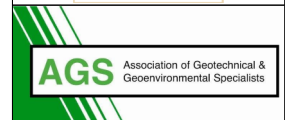
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	(kPa)					
					1.00	120.90		(Loose) dark brown sandy gravelly organic CLAY with rootlets. Gravel is fine to coarse angular to rounded flint and quartzite.	
								End of Borehole at 1.00m	1
									2
									3
									4

Borehole Diameter: 100mm

Groundwater: None encountered

Instrumentation: Gas monitoring well with response zone 0.5m to 1.0m bgl

Remarks: Co-ordinates provided to nearest 5m and 0.1m AOD



Continuous Tube Sampler Log

Borehole No.

CT 01
Project Location: Monks Lane, Newbury, Berkshire, RG14 7TD

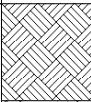
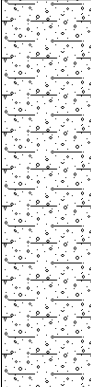
Co-ords: 447186E - 165205N

Project Number:
19.12.021

Level: 120.90 m AOD

Logged By:
Dates: 15/01/2020

 Jane Taylor
to BS 5930:2015

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	(kPa)					
▼		0.10 - 0.50	D		0.50	120.40	 TOPSOIL Soft dark brown sandy very gravelly organic CLAY with occasional rootlets. Gravel is fine to coarse angular to rounded flint and quartzite.	1	
		0.50 - 1.00	D						
		1.00 - 1.50	D						
		1.50 - 2.00	D						
		2.00 - 2.40	D						
		2.40 - 2.50	D		2.50	118.40	 SILCHESTER GRAVEL MEMBER Medium dense becoming dense brown clayey very sandy GRAVEL. Gravel is fine to coarse angular to rounded flint and quartzite. <i>Between 2.0m and 2.4m; sandy clayey GRAVEL.</i> <i>From 2.4m; grey brown.</i> End of Borehole at 2.50m	2	
								3	
								4	
								5	
								6	
								7	

Borehole Diameter: 87mm - 67mm

Groundwater: Groundwater struck at 1.4m bgl, standing at 1.4m bgl

Instrumentation: Backfilled with arisings

Remarks: Borehole collapsed in to 1.4m bgl upon completion
Co-ordinates provided to nearest 5m and 0.1m AOD


Continuous Tube Sampler Log

Borehole No.

CT 02
Project Location: Monks Lane, Newbury, Berkshire, RG14 7TD

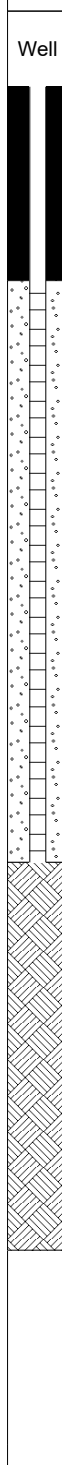

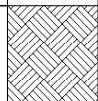















Co-ords: 447175E - 165245N

Project Number:
19.12.021

Level: 121.70 m AOD

Logged By:
Dates: 15/01/2020

 Jane Taylor
to BS 5930:2015

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	(kPa)						
		0.20 - 0.50	D					TOPSOIL Soft dark brown sandy gravelly organic CLAY with occasional rootlets. Gravel is fine to coarse angular to rounded flint and quartzite.		
		0.50 - 0.90	D		0.50	121.20				
		1.00 - 1.20	D			0.90	120.80		SILCHESTER GRAVEL MEMBER (Loose) grey brown clayey sandy GRAVEL. Gravel is fine to coarse angular to rounded flint and quartzite.	1
		1.20 - 1.50	D		1.20	120.50				
		1.25	PP	120					LONDON CLAY FORMATION (Stiff) orange brown mottled grey slightly sandy gravelly CLAY. Gravel is fine to coarse angular to rounded flint and quartzite.	
		1.50 - 2.00	D							
		1.50	PP	105					LONDON CLAY FORMATION Stiff becoming firm to stiff orange brown mottled grey slightly sandy CLAY.	2
		1.75	PP	90						
		2.00 - 2.50	D							
		2.00	PP	68						
		2.25	PP	60						
		2.50 - 3.00	D							
		2.50	PP	60						
		2.75	PP	60						
		3.00 - 3.50	D							
		3.00	PP	60						
		3.25	PP	52						
		3.50 - 4.00	D							
		3.50	PP	45						
		3.75	PP	52						
4.00 - 4.50	D									
4.00	PP	52								
4.25	PP	52								
4.50 - 5.00	D									
4.50	PP	60								
4.75	PP	60								
5.00 - 5.50	D									
5.00	PP	60								
5.25	PP	52								
5.50 - 6.00	D									
5.50	PP	45								
5.75	PP	52								
6.00	PP	60		6.00	115.70		End of Borehole at 6.00m	6		
								7		

Borehole Diameter: 87mm - 57mm

Groundwater: Water struck at 0.1m bgl, standing at 0.3m bgl

Instrumentation: Groundwater monitoring well with response zone 1.0m to 4.0m bgl

Remarks: Co-ordinates provided to nearest 5m and 0.1m AOD


Continuous Tube Sampler Log

Borehole No.
CT 03
Project Location: Monks Lane, Newbury, Berkshire, RG14 7TD


Co-ords: 447254E - 165237N

Project Number:
19.12.021

Level: 122.00 m AOD

Logged By:
Dates: 15/01/2020

 Jane Taylor
to BS 5930:2015

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	(kPa)					
		0.10 - 0.50	D				TOPSOIL Soft dark brown sandy very gravelly organic CLAY with occasional rootlets. Gravel is fine to coarse angular to rounded flint and quartzite.		
		0.50 - 1.00	D		0.50	121.50	SILCHESTER GRAVEL MEMBER (Loose) brown silty GRAVEL. Gravel is fine to coarse sub-angular to sub-rounded flint and quartzite.		
		1.00 - 1.20	D	N=16 (4/3,3,4,6)	1.00	121.00	SILCHESTER GRAVEL MEMBER	1	
		1.20 - 1.50	D		1.20	120.80	Firm brown mottled orange brown slightly sandy slightly gravelly CLAY. Gravel is fine to coarse angular flint and quartzite.		
		1.50 - 2.00	D				SILCHESTER GRAVEL MEMBER Medium dense orange brown mottled grey brown clayey sandy GRAVEL. Gravel is fine to coarse angular to rounded flint.	2	
		2.00 - 2.50	D	N=82 (27/22,21,20,19)	2.00	120.00	SILCHESTER GRAVEL MEMBER	2	
		2.00	SPT(S)				Very dense becoming dense grey brown clayey very sandy GRAVEL. Gravel is fine to coarse angular to sub-rounded flint and quartzite.		
		2.50 - 3.00	D						
	3.00 - 3.50	D	N=47 (16/11,12,11,13)	3.00			3		
	3.00	SPT(S)							
	3.50	SPT(S)	27 for 75mm (32/27,0 for 0mm)	3.50	118.50		End of Borehole at 3.50m	4	
								5	
								6	
								7	

Borehole Diameter: 87mm - 57mm

Groundwater: Groundwater struck at 3.0m bgl, standing at 2.5m bgl

Instrumentation: Backfilled with arisings

Remarks: Refusal at 3.5m bgl on hard strata
Co-ordinates provided to nearest 5m and 0.1m AOD


DPH and SHDP DYNAMIC PROBING

This is a simple test consisting of driving a rod with an oversize point at its base into the ground. A uniform, regular, hammer blow is used. The blow count is recorded for every 100mm of driving (N_{100}) and the results presented as a plot of blow count against depth.

Outside the UK this type of testing has been used extensively in a wide range of formats (ie. various hammer weights, hammer drops, point sizes, etc.) for many years. Since 1985 Dynamic Probing has become widely accepted in this country and the first British Standard for this test was published in 1990.

The standard equipment is a petrol powered unit using a 50kg hammer dropping through 0.50m 32mm diameter rods and a 15cm² area cone. This is the Heavy Dynamic Probe (DPH) and the equipment has been selected for general use as giving a good compromise between sensitivity in loose materials and penetration rates in denser materials. A sacrificial cone is used for each probing. A damper is used between the hammer and anvil.

The Super Heavy Dynamic Probe (DPSH) is a heavier version, using a 63.5kg hammer dropping through 0.75m, 32mm diameter rods and a 20cm² area cone.

The hammer operation is automated and driving is carried out as a continuous operation from ground level without a borehole. The test therefore not only provides a continuous record for the full depth penetration but also avoids many of the problems associated with poor operator technique when carrying out SPTs in boreholes.

Dynamic Probing provides an excellent method for locating boundaries between strata of differing density and driving resistance as well as comparative assessments of a single strata across a site. Comparisons between Dynamic probing results, SPT values and other soil parameters are given in DIN4094. Information on UK practice and correlation data in UK soils was published at the ICE Conference on Penetration Testing in 1988.

The complete machine weights 140kg stands 2.5m high and measures 750mm wide x 850mm deep when erected. For movement between positions the mast is lowered and the machine wheeled on an integral axle. Probing can be carried out within 300mm of a vertical wall.

References:

1. Subsoil; exploration by penetration tests -DIN4094. December 1990 (Standard and supplement)
2. Soils for civil engineering purposes. In-situ tests. - BS1377 Part 9 1990
3. Penetration testing in the UK. (Proceedings of the geotechnology conference organised by the Institution of Civil Engineers and held in Birmingham 6-8 July 1988)
4. Code of Practice for Site Investigations – BS5930:2015 Section 4

DPH and SHDP DYNAMIC PROBING INFORMATION

Super Heavy Dynamic Probe

Borehole No.
SHDP 01
(CT 01)

Project Location: Monks Lane, Newbury, Berkshire, RG14 7TD

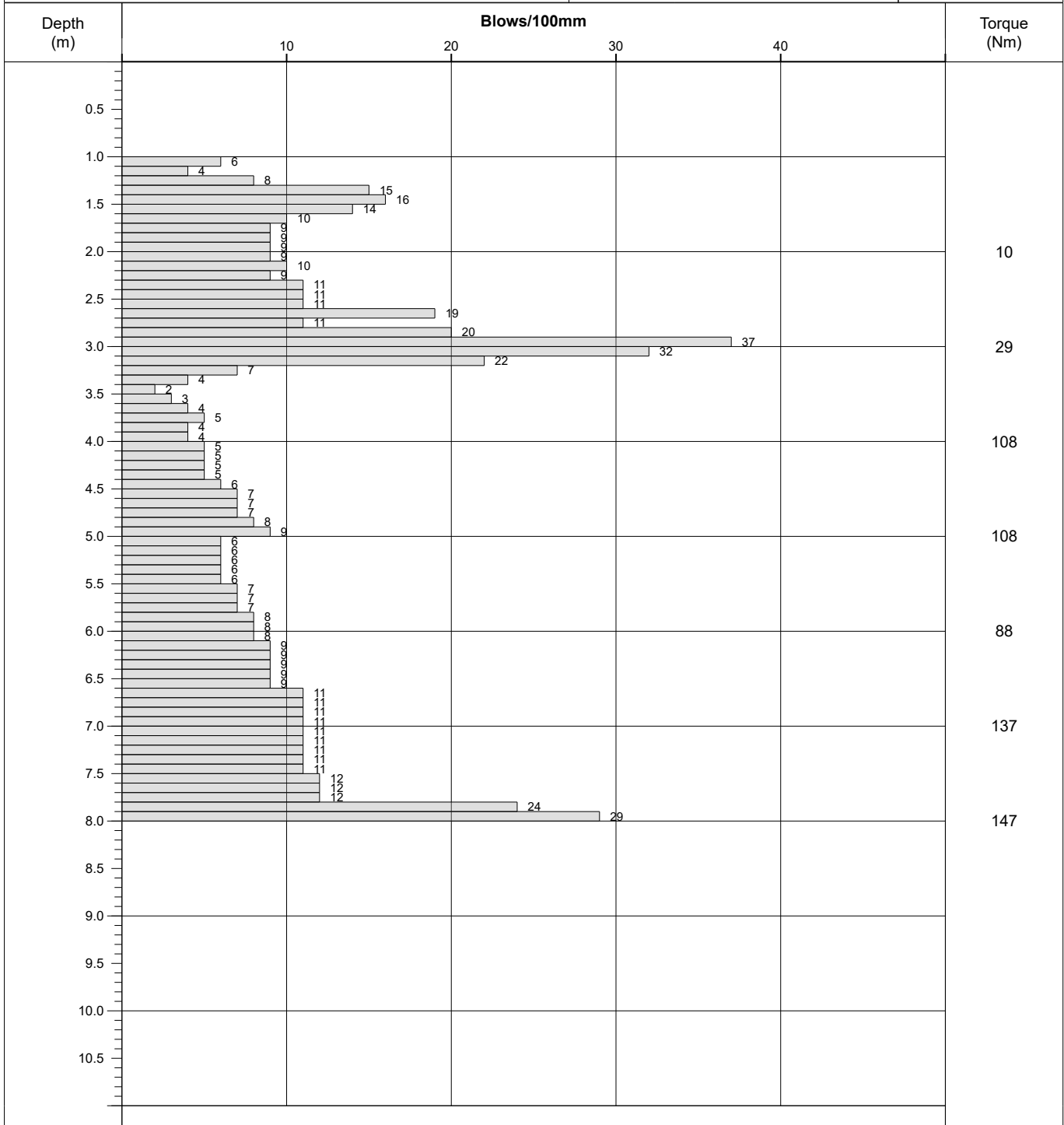
Co-ords: 447186E - 165205N

Project Number:
19.12.021

Level: 120.90 m AOD

Hole Type:
SHDP - B

Dates: 15/01/2020





Super Heavy Dynamic Probe

Borehole No.
SHDP 02
(CT 02)

Project Location: Monks Lane, Newbury, Berkshire, RG14 7TD

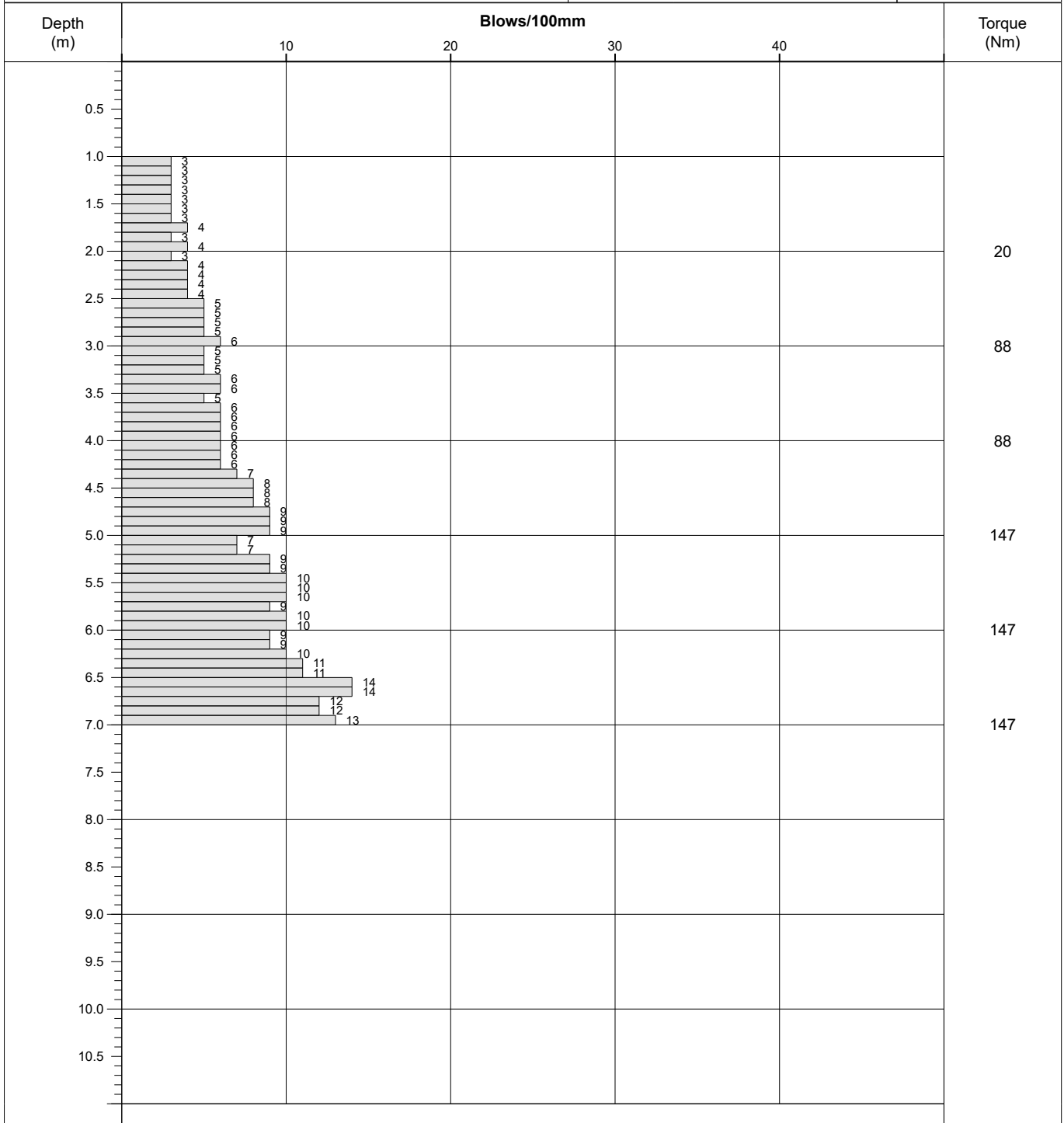
Co-ords: 447175E - 165245N

Project Number:
19.12.021

Level: 121.70 m AOD

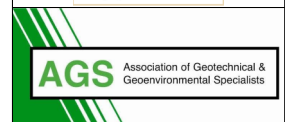
Hole Type:
SHDP - B

Dates: 15/01/2020



Hammer Weight: 63.5kgs **Fall Height:** 0.75m **Cone Area:** 20cm²

Remarks: Co-ordinates provided to nearest 5m and 0.1m AOD



* = settled under own weight

Report No: 19.12.021
Site: Monks Lane, Newbury, Berkshire RG14 7TD

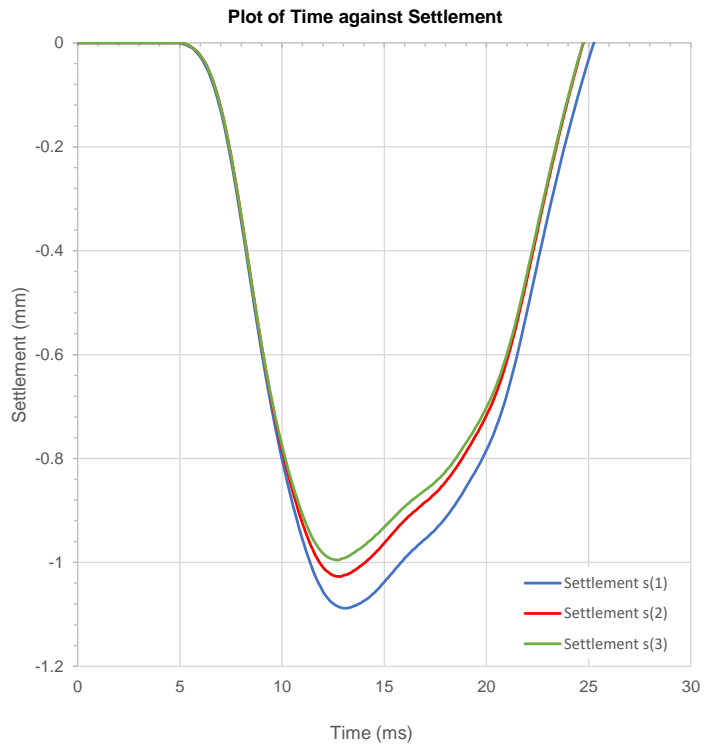
Test Location Reference	DP1	
Test Number	1	
Depth of test	0.50m	m below Ground Level
Plate size	300	mm diameter circular
Sample reference	N/A	
Sample depth	0.50m	m (below Ground Level)
Technician	JH	
Date of test	15/01/2020	
Weather	Sunny, dry	

Description of test stratum/strata (Loose) brown clayey GRAVEL. Gravel is fine to medium, sub-angular to sub-rounded flint and quartzite.

Test Record

Device No.	8342	
Measuring Series	14	
Plate diameter	300	mm
Mass of drop weight	10	kg
Height of drop	1,135	mm
Max impact force	7070	N
Duration of impact	18	ms

Max Settlement (mm)	Max Velocity (mm/s)
s(1) = 1.088 mm	v(1) = 254.6 mm/s
s(2) = 1.027 mm	v(2) = 252.7 mm/s
s(3) = 0.995 mm	v(3) = 251.2 mm/s
Mean Settlement (mm)	Mean Velocity (mm/s)
s(m) = 1.037 mm	v(m) = 252.8 mm/s



Calculation and Result

Dynamic compactness ratio, $s/v = 0.004$
 Dynamic Modulus of Deformation, $E_{vd} = 21.70$ MPa

Equivalent CBR value 10.9 %

Remarks: None

DYNAMIC PLATE LOADING TEST CERTIFICATE	Report No.:
TP BF-StB, Part B 8.3. Technical specification for soil and rock in road construction, Dynamic Plate Loading Test, German Road and Transportation Research Association, 2003	19.12.021

Report No: 19.12.021
Site: Monks Lane, Newbury, Berkshire, RG14 7TD

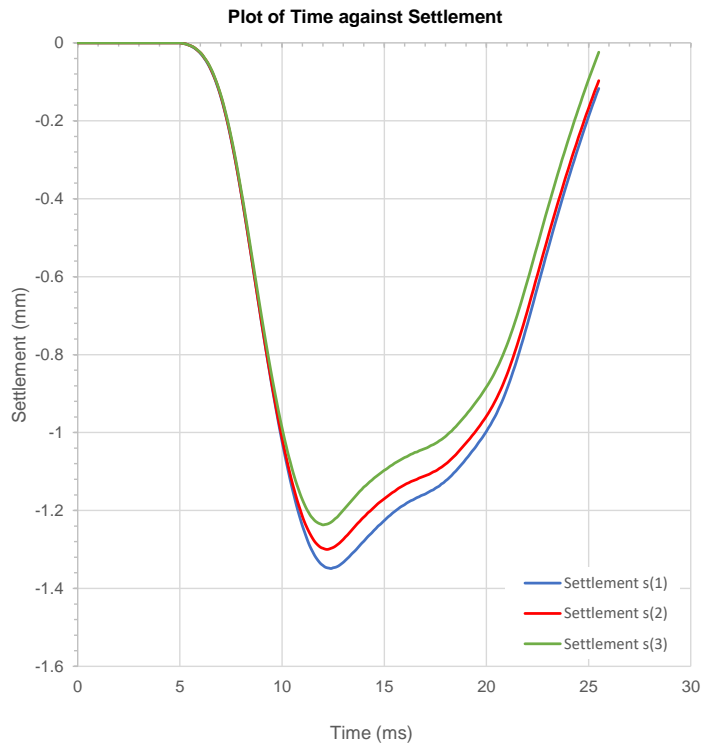
Test Location Reference		Test Details	
Test Number	1	DP2	
Depth of test	0.60m	m below ground level	
Plate size	300	mm diameter circular	
Sample reference	N/A		
Sample depth	N/A	m (below ground level)	
Technician	JH		
Date of test	15/01/2020		
Weather	Sunny, dry		

Description of test stratum/strata Soft, dark brown, sandy, gravelly CLAY with rootlets. Gravel is fine to medium, sub-angular to sub-rounded flint and quartzite.

Test Record

Device No.	8342	mm
Measuring Series	15	kg
Plate diameter	300	mm
Mass of drop weight	10	N
Height of drop	1,135	ms
Max impact force	7070	
Duration of impact	18	

Max Settlement (mm)	Max Velocity (mm/s)
s(1) = 1.349 mm	v(1) = 336.2 mm/s
s(2) = 1.300 mm	v(2) = 335.5 mm/s
s(3) = 1.237 mm	v(3) = 327.9 mm/s
Mean Settlement (mm)	Mean Velocity (mm/s)
s(m) = 1.295 mm	v(m) = 333.2 mm/s



Calculation and Result

Dynamic compactness ratio, $s/v = 0.004$
 Dynamic Modulus of Deformation, $E_{vd} = 17.38$ MPa

Equivalent CBR value 8.0 %

Remarks: None

DYNAMIC PLATE LOADING TEST CERTIFICATE

TP BF-StB, Part B 8.3. Technical specification for soil and rock in road construction, Dynamic Plate Loading Test, German Road and Transportation Research Association, 2003

Report No.:

19.12.021

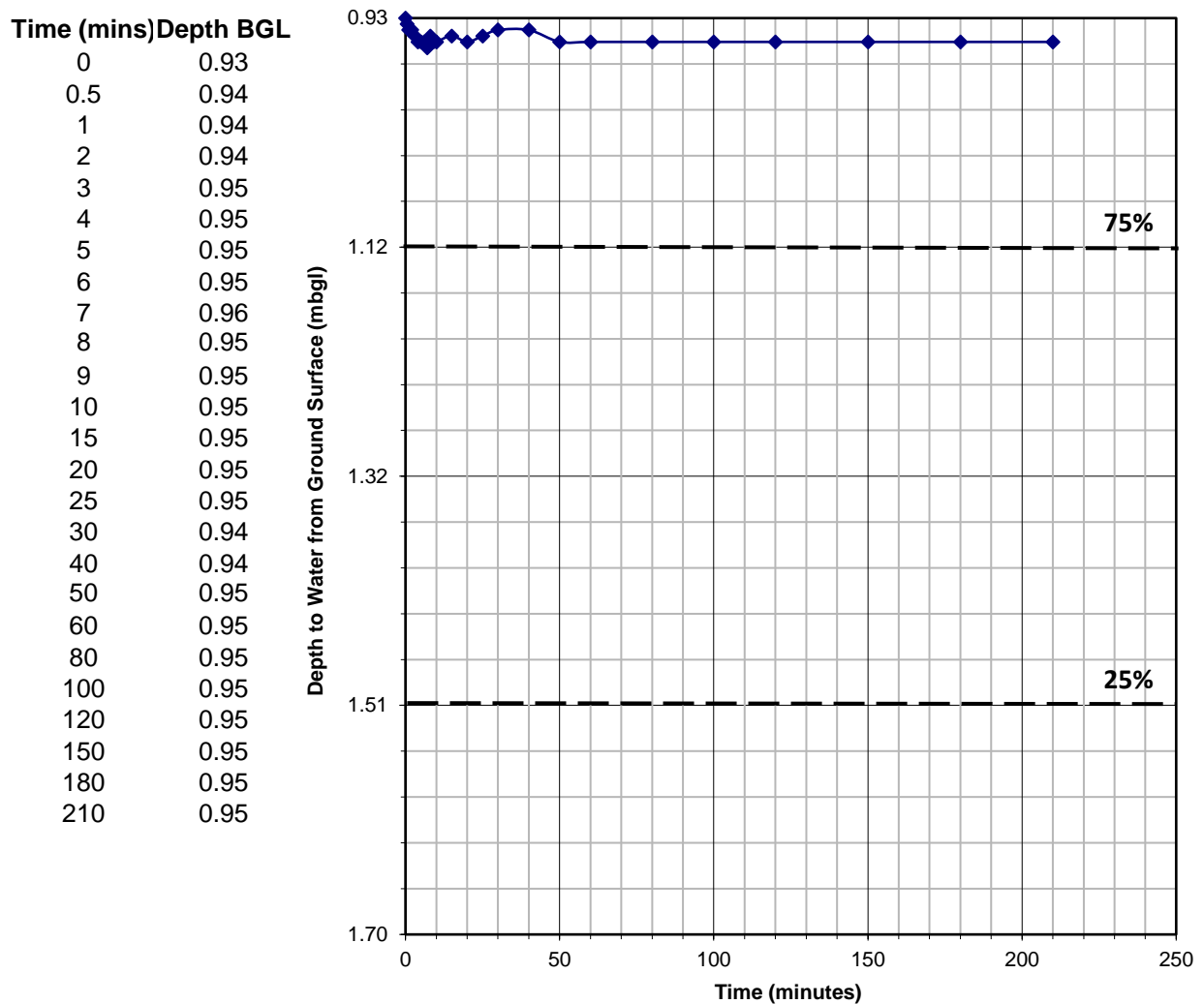
Client: Feltham Construction Ltd
Site: Monks Lane, Newbury, RG14 7TD

Report No: 19.12.021
Date Tested: 15/01/2020
Test Location: TP01 Test 1
Dimensions: 0.6m W x 1.6m L x 1.70m D

Groundwater: unknown

Soil Description - test response zone:

0.7 - 2.0m - (Loose) slightly clayey very sandy GRAVEL.



Soil infiltration rate could not be calculated (0.02m drop in 210 minutes).

Remarks: Suspected groundwater ingress during test and pit collapse.

**TRIAL PIT INFILTRATION TESTING
to BRE Digest 365**

Report:
19.12.021

Client: Feltham Construction Ltd
Site: Monks Lane, Newbury, RG14 7TD

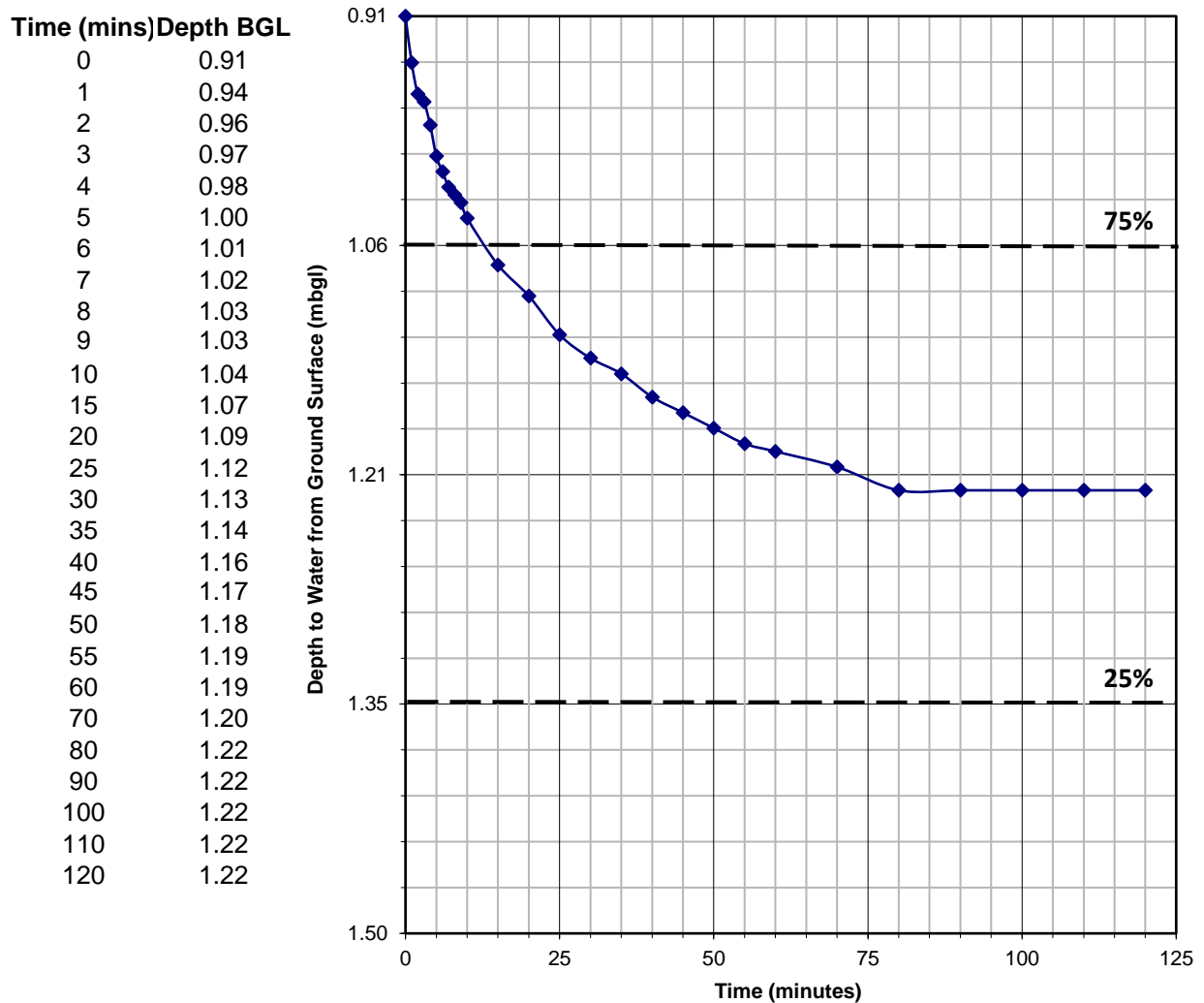
Report No: 19.12.021
Date Tested: 15/01/2020

Groundwater: 1.50 m (before start of test)

Test Location: TP02 Test 1
Dimensions: 0.5m W x 1.6m L x 1.95m D

Soil Description - test response zone:

0.5m - 1.9m - Clayey sandy GRAVEL.



Extrapolated Soil Infiltration Rate = 6.7×10^{-6} m/s

Result calculated from extrapolated data: GUIDE ONLY

**TRIAL PIT INFILTRATION TESTING
to BRE Digest 365**

Report:
19.12.021

Client: Feltham Construction Ltd
Site: Monks Lane, Newbury, RG14 7TD

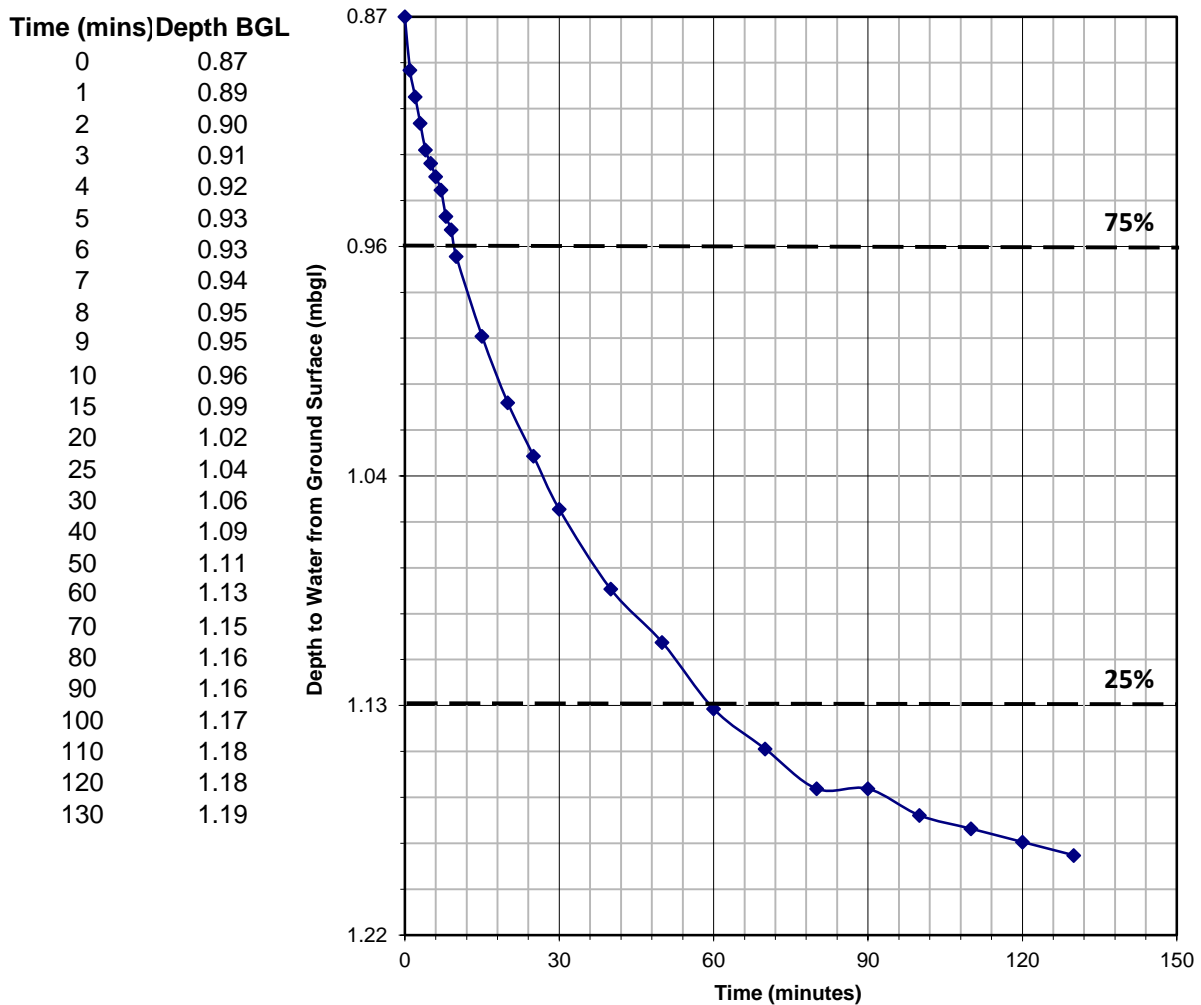
Report No: 19.12.021
Date Tested: 15/01/2020
Test Location: TP02 Test 2

Groundwater: 1.22 m (before start of test)

Dimensions: 0.5m W x 1.6m L x 1.78m D

Soil Description - test response zone:

0.5m - 1.9m - Clayey sandy GRAVEL.



Calculated Soil Infiltration Rate = 3.0×10^{-5} m/s

**TRIAL PIT INFILTRATION TESTING
to BRE Digest 365**

Report:
19.12.021

Project: Monks Lane, Newbury, RG14 7TD

Date: 28/01/2020	Ambient air temperature (°C): 6
Time: From 11:33 to 11:43	Barometric pressure (mB): 982
Recorded by: CR	Barometric trend: Rising
Equipment: Geotech GA5000 gas monitor and dip-meter	Weather conditions: Sunny

Groundwater monitoring

Hole ID	Ground level (m aOD)	Water depth (m bgl)	Water level (m aOD)	Depth of well base (m bgl)	Remarks
CT02	+121.7	0.26	+121.4	4.00	
HP01	+121.9	0.98	+120.9	1.01	

Gas monitoring

Hole ID	Methane CH ₄ (%v/v)	Carbon Dioxide CO ₂ (%v/v)	Oxygen O ₂ (%v/v)	Flow Rate (l/h)	Well Pressure (mBar)	PID* (ppm)	Remarks
CT02	<0.1	0.1	21.4	0.3	0.03		Response zone fully saturated
HP01	<0.1	0.4	18.7	0.3	0.03		

SUMMARY OF GAS & GROUNDWATER MONITORING - 28 Jan 20

Report No.
19.12.021

Project: Monks Lane, Newbury, RG14 7TD

Date: 21/02/2020

Ambient air temperature (°C): 7

Time: From 09:58 to 10:03

Barometric pressure (mB): 1009

Recorded by: PH

Barometric trend: Rising

Equipment: Geotech GA5000 gas monitor and dip-meter

Weather conditions: Cloudy

Groundwater monitoring

Hole ID	Ground level (m aOD)	Water depth (m bgl)	Water level (m aOD)	Depth of well base (m bgl)	Remarks
CT02	+121.7	-0.01	+121.7	4.00	Borehole completely flooded
HP01	+121.9	DRY	<120.89	1.01	

Gas monitoring

Hole ID	Methane CH ₄ (%v/v)	Carbon Dioxide CO ₂ (%v/v)	Oxygen O ₂ (%v/v)	Flow Rate (l/h)	Well Pressure (mBar)	PID* (ppm)	Remarks
CT02	N/A	N/A	N/A	N/A	N/A		Borehole flooded
HP01	0.1	2.5	8.3	0.3	0.17		

SUMMARY OF GAS & GROUNDWATER MONITORING - 21 Feb 20

Report No.
19.12.021



APPENDIX C

LABORATORY TESTING RESULTS AND TABLES

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060 Fax:- 01327 860430 Email: groundtech@listersgeotechnics.co.uk

PROJECT INFORMATION		SAMPLE INFORMATION																																																					
Site Location:- Monks Lane Newbury RG14 7TD	Client Reference:- -	Date Samples Received:- 16th January 2020 Date Testing Completed:- 31st January 2020	Laboratory Tests Undertaken:-																																																				
			<table border="1"> <thead> <tr> <th>TEST TYPE</th> <th>TEST METHOD</th> <th>TESTED</th> </tr> </thead> <tbody> <tr> <td>Natural Water Contents (WC%)</td> <td>(BS 1377:Part 2:1990 Clause 3.2)</td> <td>✓</td> </tr> <tr> <td>Liquid Limits (%)</td> <td>(BS 1377:Part 2:1990 Clause 4.3)</td> <td>✓</td> </tr> <tr> <td>Plastic Limits (%)</td> <td>(BS 1377:Part 2:1990 Clause 5.3)</td> <td>✓</td> </tr> <tr> <td>Plasticity Index (%)</td> <td>(BS 1377:Part 2:1990 Clause 5.4)</td> <td>✓</td> </tr> <tr> <td>Linear Shrinkage (%)</td> <td>(BS 1377:Part 2:1990 Clause 6.5)</td> <td></td> </tr> <tr> <td>PSD - Wet Sieving</td> <td>(BS 1377:Part 2:1990 Clause 9.2)</td> <td>✓</td> </tr> <tr> <td>Engineering Sample Descriptions</td> <td>(BS 5930 : Section 6)</td> <td></td> </tr> <tr> <td>Passing 425/63 (µm)</td> <td>-</td> <td>✓</td> </tr> <tr> <td>Hydrometer</td> <td>(BS 1377:Part 2:1990 Clause 9.5)</td> <td></td> </tr> <tr> <td>Loss on Ignition (%)</td> <td>-</td> <td></td> </tr> <tr> <td>Soil Suctions (kPa)</td> <td>BRE Digest IP 4/93, 1993</td> <td></td> </tr> <tr> <td>Bulk Density (Mg/m³)</td> <td>(BS 1377:Part 2:1990 Clause 7.2)</td> <td></td> </tr> <tr> <td>Strength Tests</td> <td>(BS 1377:Part 7:1990 Clause 8 & 9)</td> <td></td> </tr> <tr> <td>Soluble Sulphate Content (SO₄g/l)</td> <td>(BS 1377:Part 3:1990 Clause 5.3)</td> <td>✓</td> </tr> <tr> <td>pH value</td> <td>(BS 1377:Part 3:1990 Clause 9.4)</td> <td>✓</td> </tr> <tr> <td>California Bearing Ratios (CBR)</td> <td>(BS 1377:Part 4:1990 Clause 7)</td> <td></td> </tr> <tr> <td>Compaction Tests</td> <td>(BS 1377:Part 4:1990 Clauses 3.0-3.6)</td> <td></td> </tr> </tbody> </table>	TEST TYPE	TEST METHOD	TESTED	Natural Water Contents (WC%)	(BS 1377:Part 2:1990 Clause 3.2)	✓	Liquid Limits (%)	(BS 1377:Part 2:1990 Clause 4.3)	✓	Plastic Limits (%)	(BS 1377:Part 2:1990 Clause 5.3)	✓	Plasticity Index (%)	(BS 1377:Part 2:1990 Clause 5.4)	✓	Linear Shrinkage (%)	(BS 1377:Part 2:1990 Clause 6.5)		PSD - Wet Sieving	(BS 1377:Part 2:1990 Clause 9.2)	✓	Engineering Sample Descriptions	(BS 5930 : Section 6)		Passing 425/63 (µm)	-	✓	Hydrometer	(BS 1377:Part 2:1990 Clause 9.5)		Loss on Ignition (%)	-		Soil Suctions (kPa)	BRE Digest IP 4/93, 1993		Bulk Density (Mg/m ³)	(BS 1377:Part 2:1990 Clause 7.2)		Strength Tests	(BS 1377:Part 7:1990 Clause 8 & 9)		Soluble Sulphate Content (SO ₄ g/l)	(BS 1377:Part 3:1990 Clause 5.3)	✓	pH value	(BS 1377:Part 3:1990 Clause 9.4)	✓	California Bearing Ratios (CBR)	(BS 1377:Part 4:1990 Clause 7)		Compaction Tests
TEST TYPE	TEST METHOD	TESTED																																																					
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Compaction Tests	(BS 1377:Part 4:1990 Clauses 3.0-3.6)																																																						
The results relate only to the samples tested		Laboratory testing in accord with BS EN ISO/IEC 17025-2000 and Quality Management in accord with ISO 9001																																																					
Signed on behalf of GroundTech Laboratories:- <i>Jane Taylor</i>			Technical Signatory																																																				
			Quality Assured to ISO 9001																																																				
GEOTECHNICAL LABORATORY TEST RESULTS			Report No:	19.12.021																																																			

GroundTech Laboratories

Geotechnical Testing Facility

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SAMPLES				CLASSIFICATION TESTS							CLASSIFICATION TESTS							STRENGTH TESTS					CHEMICAL TESTS						
Test Location	Sample Type	Sample Depth -m	Test Type	WC %	LL %	PL %	PI %	Passing 425 µm %	Modified PI %	Class	Passing 63 µm %	WC/LL	PL+2%	Liquidity Index	Loss on Ignition %	Soil Suction kPa	Bulk Density Mg/m³	Test Type	Cell Pressure kN/m²	Deviator Stress kN/m²	Apparent Cohesion kN/m²	φ	pH Value	Soluble Sulphate Content SO4 g/l					
CT 01	D	0.10	PSD	28																			7.8	0.12					
	D	0.50		11																									
	D	1.00		6.7																									
	D	1.50		7.2																									
	D	2.00		14																									
CT 02	D	2.40	PSD	8.9																			6.9	0.06					
	D	0.20	11																										
	D	0.50	PSD	9.6																									
	D	1.00	PI/63	25	43	18	25	51	13	CI	43	0.58	20	0.28															
	D	1.20	28																										
	D	1.50	25																										
	D	2.00	PI/63	27	38	18	20	100	20	CI	80	0.71	20	0.45															
	D	2.50	28																										
	D	3.00	29																										
	D	3.50	27																										
CT 03	D	4.00	PI/63	27	39	20	19	100	19	CI	70	0.69	22	0.37									6.2	0.06					
	D	4.50	27																										
	D	5.00	29																										
	D	5.50	PI/63	28	43	18	25	100	25	CI	87	0.65	20	0.40															
	D	0.10	13																										
	D	0.50	10																										
	D	1.00	PI/63	14	26	14	12	67	8	CL	36	0.54	16	0.00									6.4	0.08					
	D	1.20	12																										

Symbols:	U Undisturbed Sample	R Remoulded	PI Plasticity Index	T Triaxial Undrained	L 100mm specimen
	D Disturbed Sample	63 Passing 63µm	F Filter Paper Suction Tests	M Multistage Triaxial	S 38mm specimen
	B Bulk Sample	H Hydrometer	CC Continuous Core	HP Hand Penetrometer	
	W Water Sample	PSD Wet Sieving		V Vane Test	

LABORATORY TEST RESULTS

**Project Reference
19.12.021**

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Email: groundtech@listersgeotechnics.co.uk

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to ISO 9001**

SAMPLES				CLASSIFICATION TESTS						CLASSIFICATION TESTS						STRENGTH TESTS					CHEMICAL TESTS				
Test Location	Sample Type	Sample Depth -m	Test Type	WC %	LL %	PL %	PI %	Passing 425 µm %	Modified PI %	Class	Passing 63 µm %	WC/LL	PL+2%	Liquidity Index	Loss on Ignition %	Soil Suction kPa	Bulk Density Mg/m ³	Test Type	Cell Pressure kN/m ²	Deviator Stress kN/m ²	Apparent Cohesion kN/m ²	φ	pH Value	Soluble Sulphate Content SO ₄ g/l	
CT 03	D	1.50	PSD	8.5																					
	D	2.00		8.1																					
	D	2.50		11																					
TP 01	D	3.00	PSD	16																					
	D	0.10		24																					
	D	0.50		12																					
	D	1.00		19																				6.7	0.04
TP 02	D	1.50	PSD	11																					
	D	2.00		9.7																					
	D	0.20		26																					
TP 03	D	0.50	PSD	11																					
	D	1.00		13																					
	D	1.50		11																					
TP 04	D	0.10	PI/63	19																					
	D	0.50		14																					
	D	1.00		26	44	17	27	84	23	CI	72	0.59	19	0.33											
	D	1.50		18																					
TP 05	D	2.00	PI/63	27																					
	D	2.50		28	39	20	19	100	19	CI	83	0.72	22	0.42											
	D	3.00		29																					
	D	3.50	PI/63	27	38	19	19	99	19	CI	67	0.71	21	0.42											
	D	0.50		13																					
	D	0.50		14																					

Symbols:	U Undisturbed Sample	R Remoulded	PI Plasticity Index	T Triaxial Undrained	L 100mm specimen
	D Disturbed Sample	63 Passing 63µm	F Filter Paper Suction Tests	M Multistage Triaxial	S 38mm specimen
	B Bulk Sample	H Hydrometer	CC Continuous Core	HP Hand Penetrometer	
	W Water Sample	PSD Wet Sieving		V Vane Test	

LABORATORY TEST RESULTS

**Project Reference
19.12.021**

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**Quality
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ISO 9001**

Test Method: BS 1377 : Part 2 : 1990 : 9.2

Site: Monks Lane, Newbury, RG14 7TD

Test Location: CT 01

Sample Depth: 0.50m -1.00m

Sample Description:

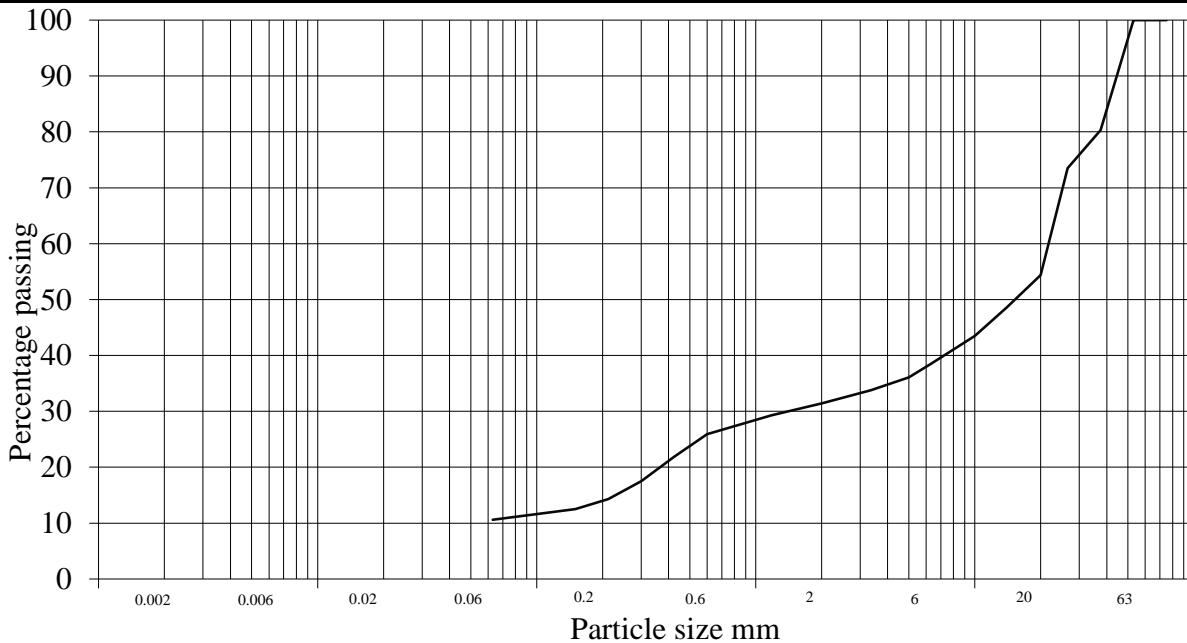
Hydrometer No.:

SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
75mm	100.00		
63mm	100.00		
50mm	100.00		
37.5mm	80.30		
26.5mm	73.50		
20mm	54.40		
14mm	48.60		
10mm	43.50		
6.3mm	38.50		
5mm	36.10		
3.5mm	33.80		
2mm	31.40		
1.18mm	29.30		
600µm	25.90		
425µm	21.90		
300µm	17.50		
212µm	14.30		
150µm	12.50		
63µm	10.60		



CLAY	SILT			SAND			GRAVEL			COBBLES
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	
	11%			21%			69%			0%

PARTICLE SIZE DISTRIBUTION

Project Reference
19.12.021

GroundTech Laboratories

Geotechnical Testing Facility

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**Quality
Assured
ISO 9001**

Test Method: BS 1377 : Part 2 : 1990 : 9.2

Site: Monks Lane, Newbury, RG14 7TD

Test Location: CT 01

Sample Depth: 2.40m -2.50m

Sample Description:

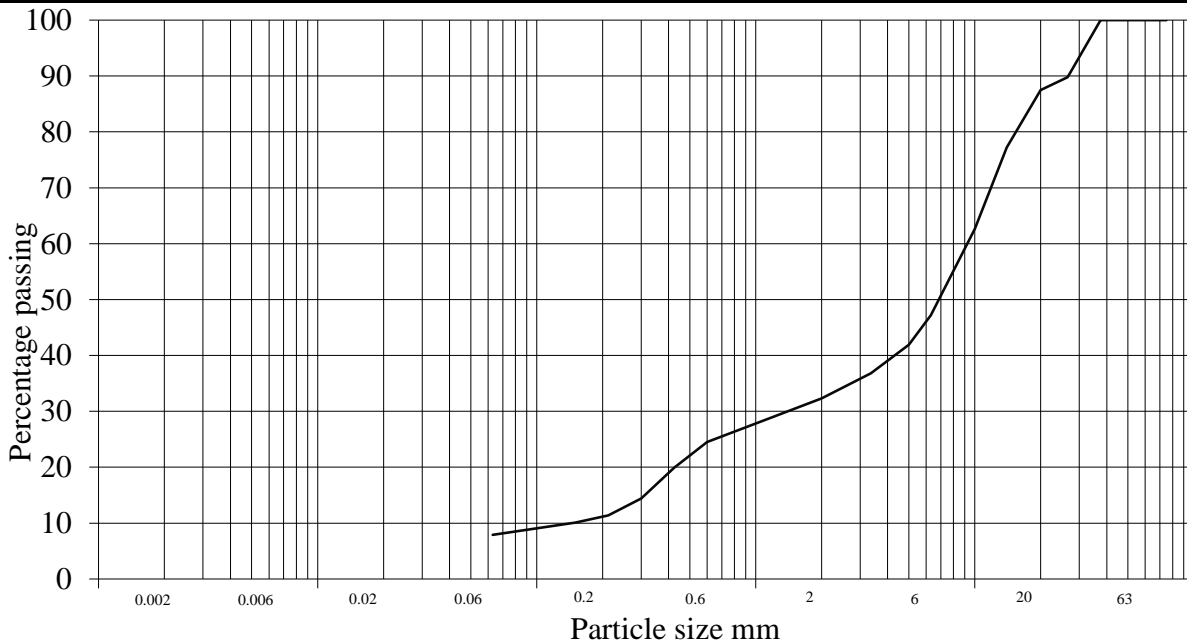
Hydrometer No.:

SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
75mm	100.00		
63mm	100.00		
50mm	100.00		
37.5mm	100.00		
26.5mm	89.80		
20mm	87.50		
14mm	77.20		
10mm	62.60		
6.3mm	47.20		
5mm	41.90		
3.5mm	36.80		
2mm	32.30		
1.18mm	28.90		
600µm	24.50		
425µm	19.90		
300µm	14.40		
212µm	11.40		
150µm	10.10		
63µm	7.90		



CLAY	SILT			SAND			GRAVEL			COBBLES
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	
	8%			24%			68%			0%

PARTICLE SIZE DISTRIBUTION

Project Reference
19.12.021

GroundTech Laboratories

Geotechnical Testing Facility

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**Quality
Assured
ISO 9001**

Test Method: BS 1377 : Part 2 : 1990 : 9.2

Site: Monks Lane, Newbury, RG14 7TD

Test Location: CT 02

Sample Depth: 0.50m -0.90m

Sample Description:

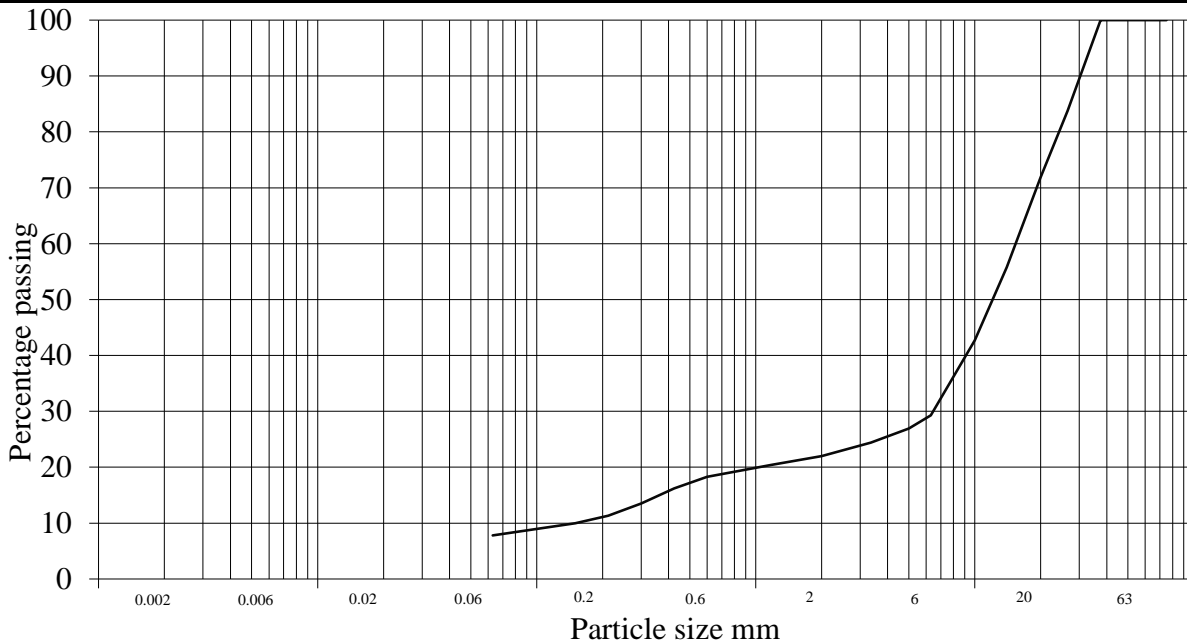
Hydrometer No.:

SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
75mm	100.00		
63mm	100.00		
50mm	100.00		
37.5mm	100.00		
26.5mm	83.80		
20mm	71.90		
14mm	55.80		
10mm	42.70		
6.3mm	29.30		
5mm	26.90		
3.5mm	24.40		
2mm	22.00		
1.18mm	20.40		
600µm	18.30		
425µm	16.20		
300µm	13.50		
212µm	11.30		
150µm	10.00		
63µm	7.80		



CLAY	SILT			SAND			GRAVEL			COBBLES
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	
	8%			14%			78%			0%

PARTICLE SIZE DISTRIBUTION

Project Reference
19.12.021

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**Quality
Assured
ISO 9001**

Test Method: BS 1377 : Part 2 : 1990 : 9.2

Site: Monks Lane, Newbury, RG14 7TD

Test Location: CT 03

Sample Depth: 1.50m -2.00m

Sample Description:

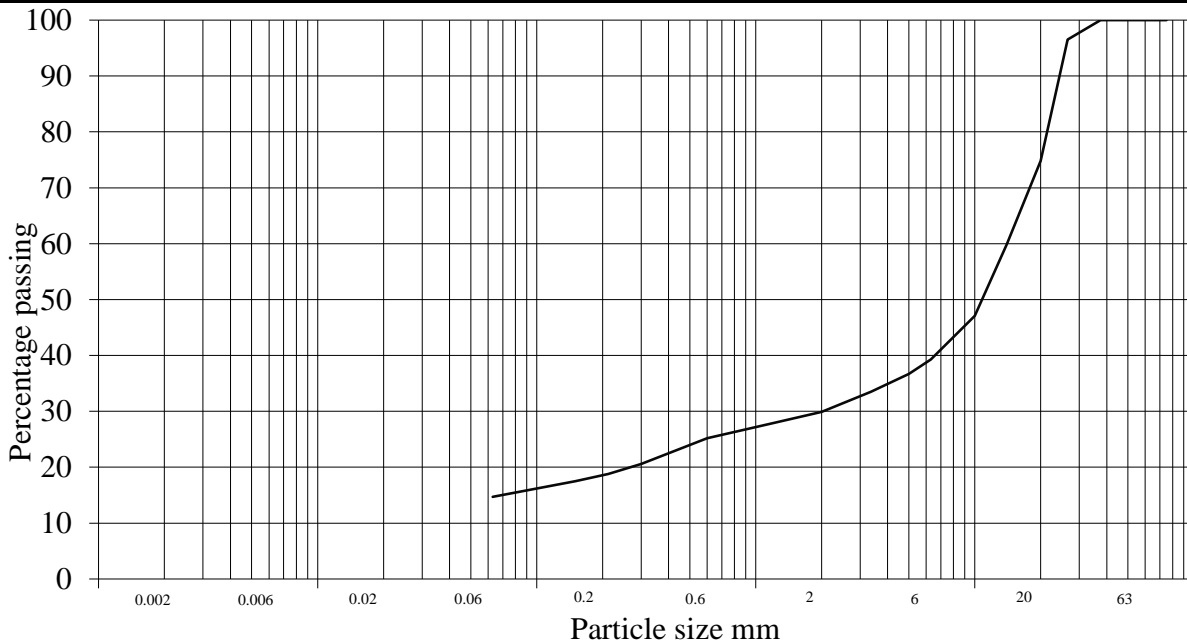
Hydrometer No.:

SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
75mm	100.00		
63mm	100.00		
50mm	100.00		
37.5mm	100.00		
26.5mm	96.50		
20mm	74.80		
14mm	59.90		
10mm	47.10		
6.3mm	39.30		
5mm	36.70		
3.5mm	33.50		
2mm	29.90		
1.18mm	27.80		
600µm	25.20		
425µm	22.90		
300µm	20.60		
212µm	18.80		
150µm	17.50		
63µm	14.70		



CLAY	SILT			SAND			GRAVEL			COBBLES
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	
	15%			15%			70%			0%

PARTICLE SIZE DISTRIBUTION

Project Reference
19.12.021

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone: 01327 860947/860060

Fax: 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

Test Method: BS 1377 : Part 2 : 1990 : 9.2

Site: Monks Lane, Newbury, RG14 7TD

Test Location: CT 03

Sample Depth: 3.00m -3.50m

Sample Description:

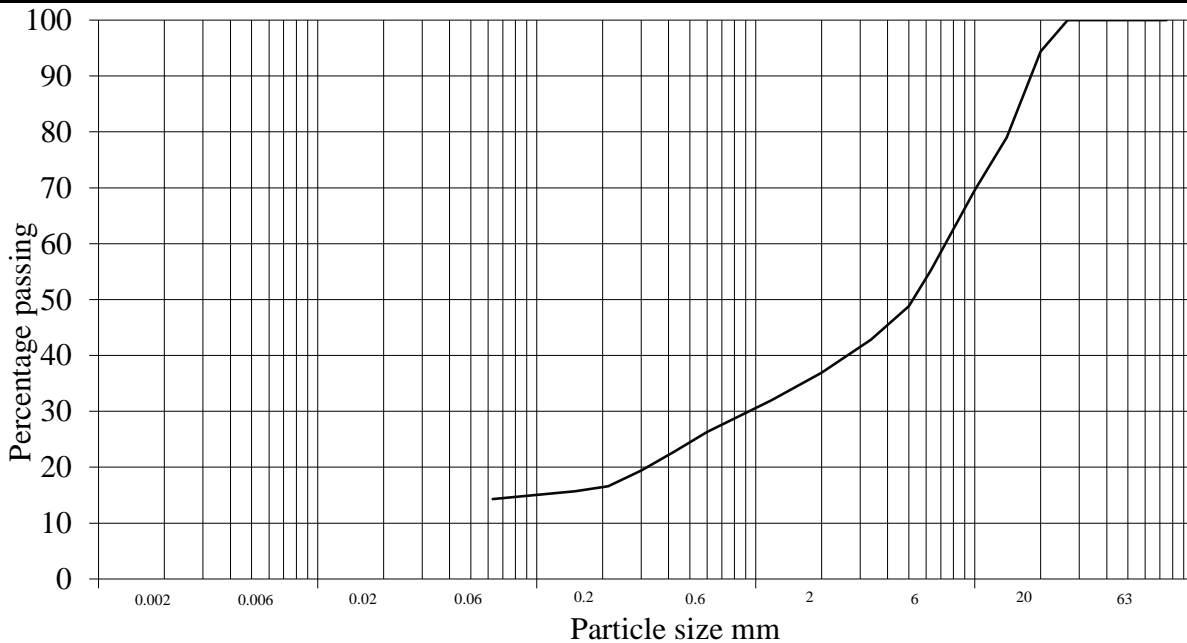
Hydrometer No.:

SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
75mm	100.00		
63mm	100.00		
50mm	100.00		
37.5mm	100.00		
26.5mm	100.00		
20mm	94.40		
14mm	79.00		
10mm	69.60		
6.3mm	55.20		
5mm	48.80		
3.5mm	42.80		
2mm	36.90		
1.18mm	32.00		
600µm	26.30		
425µm	22.80		
300µm	19.40		
212µm	16.60		
150µm	15.70		
63µm	14.30		



CLAY	SILT			SAND			GRAVEL			COBBLES
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	
	14%			23%			63%			0%

PARTICLE SIZE DISTRIBUTION

Project Reference
19.12.021

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone: 01327 860947/860060

Fax: 01327 860430

Email: groundtech@listersgeotechnics.co.uk

Quality Assured ISO 9001

Test Method: BS 1377 : Part 2 : 1990 : 9.2

Site: Monks Lane, Newbury, RG14 7TD

Test Location: TP 01

Sample Depth: 1.50m

Sample Description:

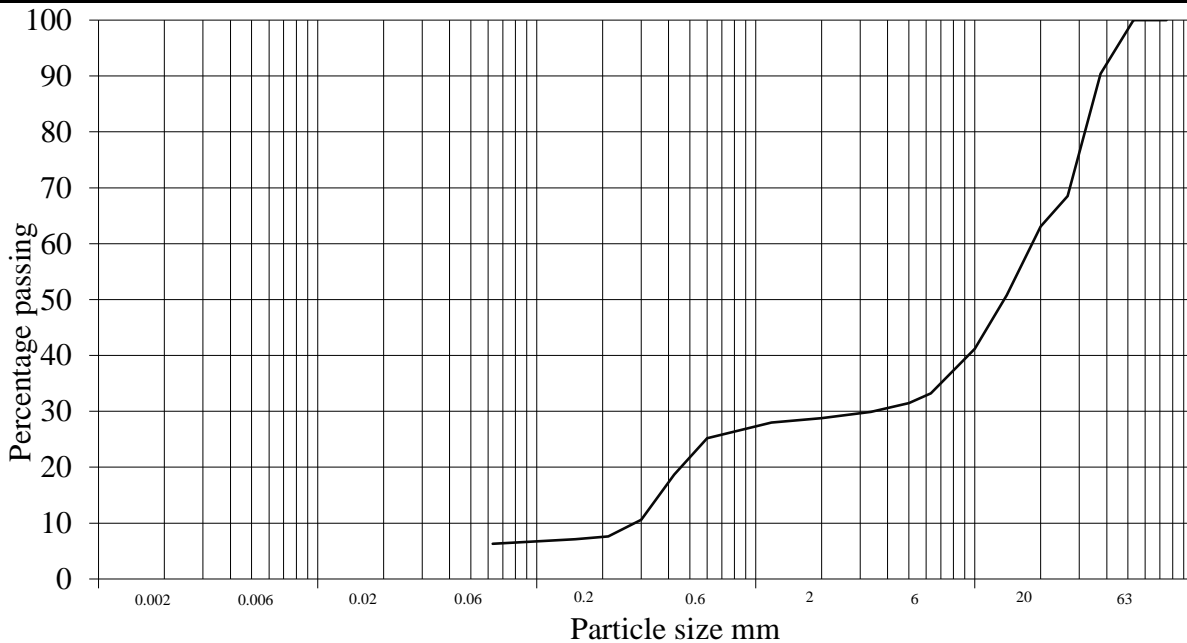
Hydrometer No.:

SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
75mm	100.00		
63mm	100.00		
50mm	100.00		
37.5mm	90.40		
26.5mm	68.50		
20mm	63.10		
14mm	50.80		
10mm	41.20		
6.3mm	33.20		
5mm	31.50		
3.5mm	29.90		
2mm	28.80		
1.18mm	28.00		
600µm	25.20		
425µm	18.70		
300µm	10.60		
212µm	7.60		
150µm	7.10		
63µm	6.30		



CLAY	SILT			SAND			GRAVEL			COBBLES
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	
	6%			23%			71%			0%

PARTICLE SIZE DISTRIBUTION

Project Reference
19.12.021

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone: 01327 860947/860060

Fax: 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

Test Method: BS 1377 : Part 2 : 1990 : 9.2

Site: Monks Lane, Newbury, RG14 7TD

Test Location: TP 02

Sample Depth: 1.00m

Sample Description:

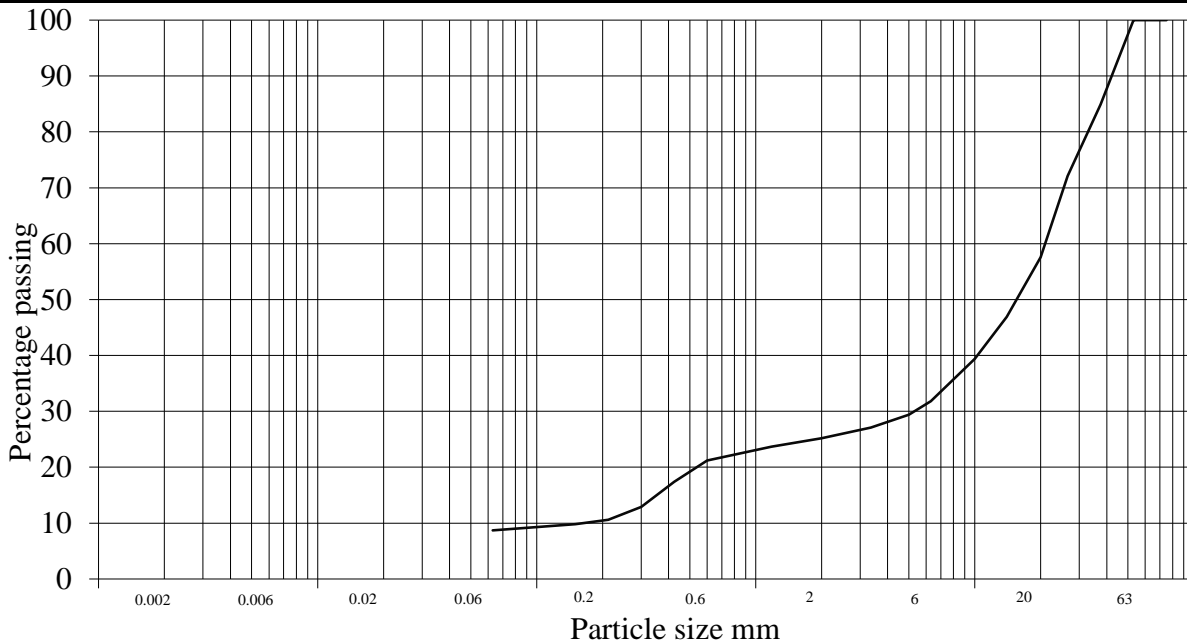
Hydrometer No.:

SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
75mm	100.00		
63mm	100.00		
50mm	100.00		
37.5mm	84.90		
26.5mm	72.10		
20mm	57.60		
14mm	46.90		
10mm	39.40		
6.3mm	31.80		
5mm	29.40		
3.5mm	27.10		
2mm	25.20		
1.18mm	23.70		
600µm	21.20		
425µm	17.40		
300µm	12.90		
212µm	10.60		
150µm	9.80		
63µm	8.70		



CLAY	SILT			SAND			GRAVEL			COBBLES
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	
	9%			17%			75%			0%

PARTICLE SIZE DISTRIBUTION

Project Reference
19.12.021

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone: 01327 860947/860060

Fax: 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

Test Method: BS 1377 : Part 2 : 1990 : 9.2

Site: Monks Lane, Newbury, RG14 7TD

Test Location: TP 03

Sample Depth: 0.50m

Sample Description:

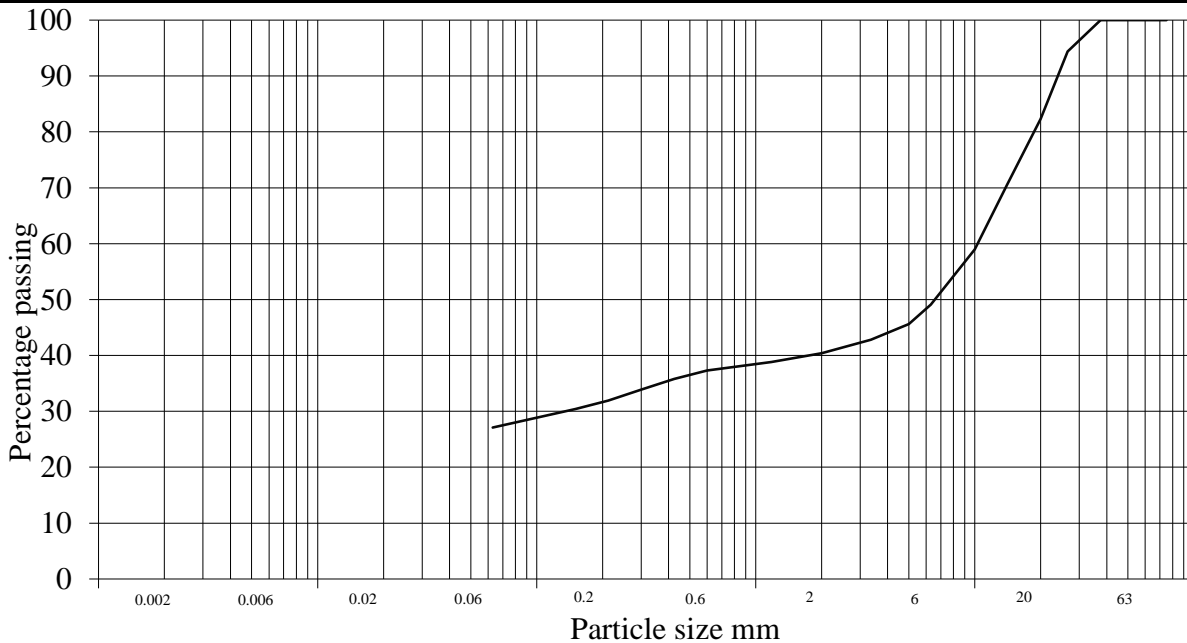
Hydrometer No.:

SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

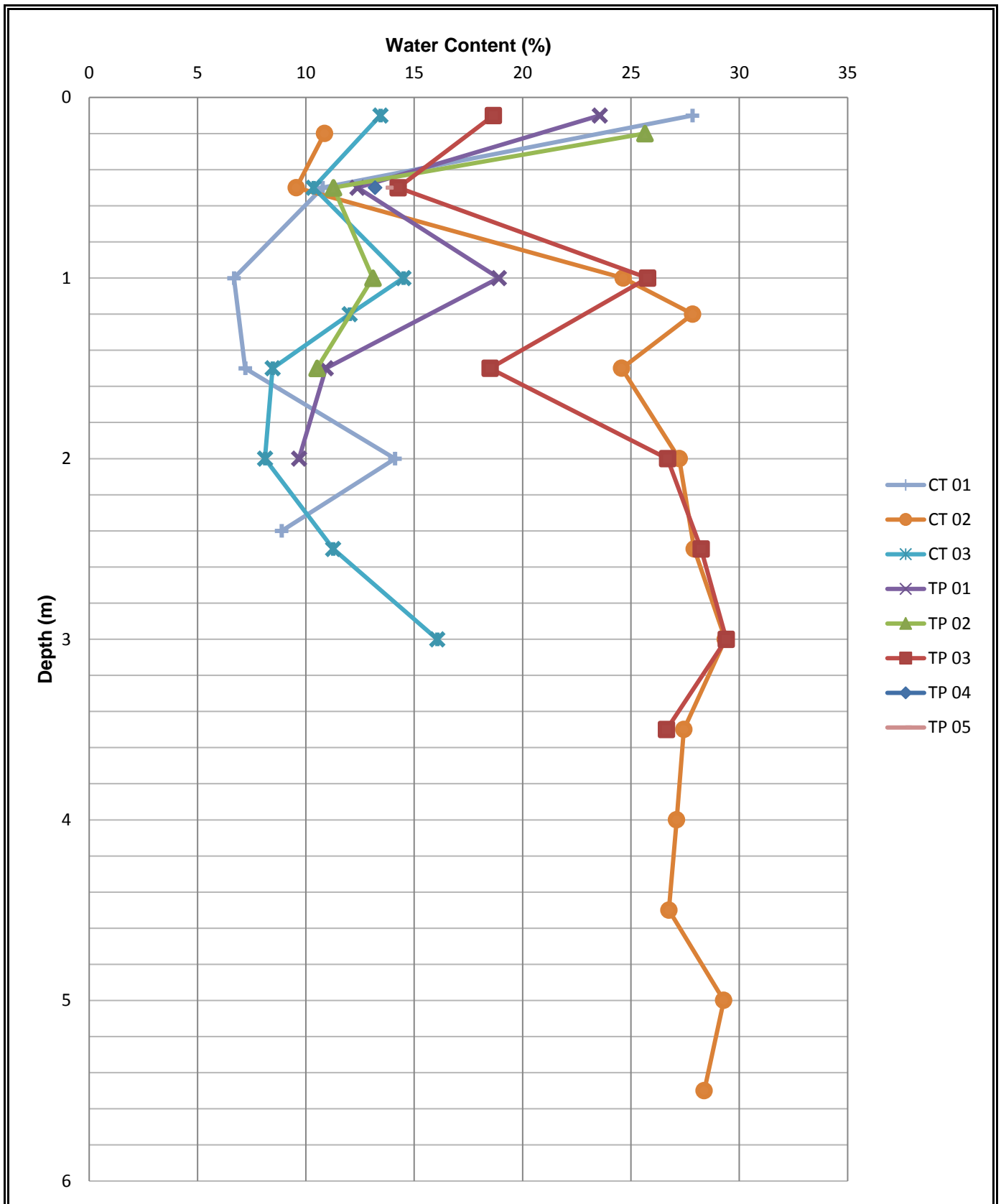
BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
75mm	100.00		
63mm	100.00		
50mm	100.00		
37.5mm	100.00		
26.5mm	94.40		
20mm	82.30		
14mm	70.40		
10mm	59.00		
6.3mm	49.10		
5mm	45.60		
3.5mm	42.80		
2mm	40.40		
1.18mm	38.80		
600µm	37.30		
425µm	35.80		
300µm	33.90		
212µm	31.90		
150µm	30.40		
63µm	27.10		



CLAY	SILT			SAND			GRAVEL			COBBLES
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	
	27%			13%			60%			0%

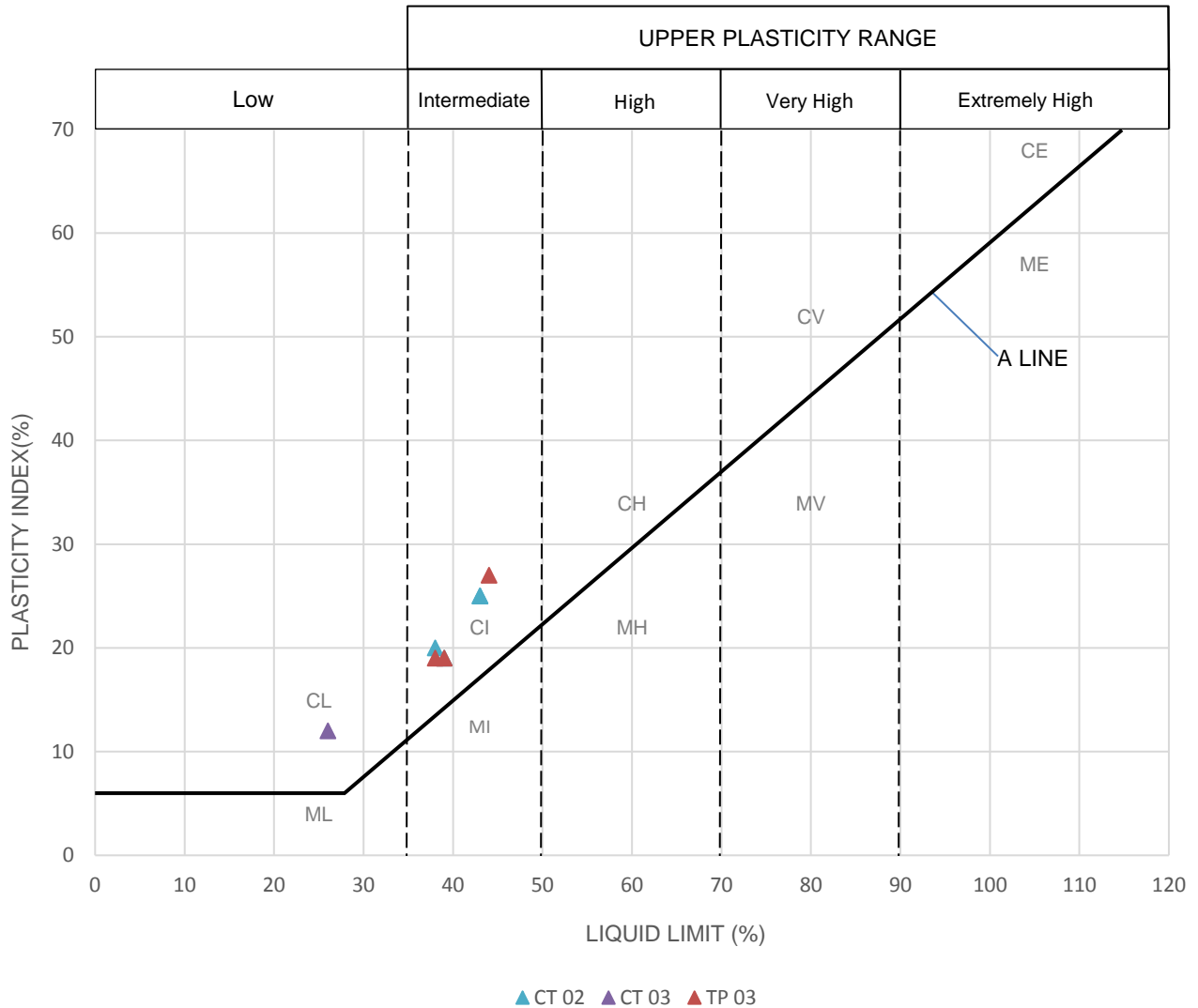
PARTICLE SIZE DISTRIBUTION

Project Reference
19.12.021



WATER CONTENT v DEPTH

**Report:
19.12.021**



PLASTICITY CHART

Report:
19.12.021

Project: 19.12.021 Newbury

Client: Listers Geotechnical Consultants	Chemtest Job No.:				20-01583	20-01583	20-01583	20-01583	20-01583	20-01583	20-01583	20-01583	20-01583
Quotation No.: Q18-12046	Chemtest Sample ID.:				955705	955706	955707	955708	955709	955710	955711	955712	
Order No.: 19.12.021/254	Client Sample Ref.:				WAC	WAC	WAC	MG					
	Sample Location:				TP02	TP04	TP05	TP01	CT01	CT02	CT03	TP03	
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
	Top Depth (m):				0.5			0.5	0.1	0.2	0.1	0.2	
	Bottom Depth (m):								0.5	0.5	0.5		
	Date Sampled:				15-Jan-2020	15-Jan-2020	15-Jan-2020	15-Jan-2020	15-Jan-2020	15-Jan-2020	15-Jan-2020	15-Jan-2020	15-Jan-2020
	Asbestos Lab:							LIVERPOOL					
Determinand	Accred.	SOP	Units	LOD									
ACM Type	U	2192		N/A				-					
Asbestos Identification	U	2192	%	0.001				No Asbestos Detected					
ACM Detection Stage	U	2192		N/A				-					
Moisture	N	2030	%	0.020	13	10	10	7.8	9.6	27	14	19	
Chromatogram (TPH)	N			N/A	See Attached	See Attached	See Attached	See Attached	See Attached	See Attached	See Attached	See Attached	See Attached
pH	U	2010		4.0	8.3	8.1	8.2	8.2	7.6	8.0	8.0	6.2	
Magnesium (Water Soluble)	N	2120	g/l	0.010									
Sulphate (2:1 Water Soluble) as SO4	U	2120	g/l	0.010	0.029	< 0.010	< 0.010	0.015	< 0.010	< 0.010	< 0.010	0.011	
Total Sulphur	U	2175	%	0.010									
Sulphate (Acid Soluble)	U	2430	%	0.010									
Arsenic	U	2450	mg/kg	1.0	10	7.6	4.5	4.3	5.4	4.5	2.8	4.6	
Cadmium	U	2450	mg/kg	0.10	0.21	0.10	0.11	0.14	0.18	< 0.10	< 0.10	0.13	
Chromium	U	2450	mg/kg	1.0	14	17	14	10	12	19	15	9.3	
Copper	U	2450	mg/kg	0.50	13	11	8.4	7.9	8.0	6.5	6.2	7.0	
Mercury	U	2450	mg/kg	0.10	0.23	0.12	< 0.10	0.11	0.13	< 0.10	< 0.10	< 0.10	
Nickel	U	2450	mg/kg	0.50	11	8.4	8.1	6.6	7.0	12	9.1	5.7	
Lead	U	2450	mg/kg	0.50	35	27	28	24	30	7.0	14	24	
Selenium	U	2450	mg/kg	0.20	< 0.20	0.32	< 0.20	< 0.20	< 0.20	0.21	< 0.20	< 0.20	
Zinc	U	2450	mg/kg	0.50	45	31	20	21	24	11	12	22	
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
TPH >C6-C8	N	2670	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
TPH >C8-C10	N	2670	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
TPH >C10-C12	N	2670	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
TPH >C12-C16	N	2670	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
TPH >C16-C21	N	2670	mg/kg	1.0	6.3	6.5	3.6	4.2	3.5	2.8	3.2	2.3	
TPH >C21-C25	N	2670	mg/kg	1.0	7.1	6.3	6.3	4.1	5.3	6.8	5.2	5.3	
TPH >C25-C35	N	2670	mg/kg	1.0	26	14	6.4	9.7	9.6	9.2	9.6	5.5	
TPH >C35-C40	N	2670	mg/kg	1.0	9.4	1.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Total TPH >C6-C40	U	2670	mg/kg	10	49	29	16	18	19	19	18	13	
Naphthalene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Acenaphthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.95	
Fluorene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.1	
Phenanthrene	U	2800	mg/kg	0.10	1.3	0.81	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	6.1	
Anthracene	U	2800	mg/kg	0.10	0.19	0.18	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.8	

Results - Soil

Project: 19.12.021 Newbury

Client: Listers Geotechnical Consultants	Chemtest Job No.:		20-01583	20-01583	20-01583	20-01583	20-01583	20-01583	20-01583	20-01583		
Quotation No.: Q18-12046	Chemtest Sample ID.:		955705	955706	955707	955708	955709	955710	955711	955712		
Order No.: 19.12.021/254	Client Sample Ref.:		WAC	WAC	WAC	MG						
	Sample Location:		TP02	TP04	TP05	TP01	CT01	CT02	CT03	TP03		
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		
	Top Depth (m):		0.5			0.5	0.1	0.2	0.1	0.2		
	Bottom Depth (m):						0.5	0.5	0.5			
	Date Sampled:		15-Jan-2020	15-Jan-2020	15-Jan-2020	15-Jan-2020	15-Jan-2020	15-Jan-2020	15-Jan-2020	15-Jan-2020		
	Asbestos Lab:					LIVERPOOL						
Determinand	Accred.	SOP	Units	LOD								
Fluoranthene	U	2800	mg/kg	0.10	1.5	2.2	0.26	< 0.10	< 0.10	< 0.10	< 0.10	7.9
Pyrene	U	2800	mg/kg	0.10	1.3	1.8	0.22	< 0.10	< 0.10	< 0.10	< 0.10	6.1
Benzo[a]anthracene	U	2800	mg/kg	0.10	0.35	0.72	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	2.9
Chrysene	U	2800	mg/kg	0.10	0.32	0.72	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	2.4
Benzo[b]fluoranthene	U	2800	mg/kg	0.10	0.36	1.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	3.1
Benzo[k]fluoranthene	U	2800	mg/kg	0.10	< 0.10	0.25	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.2
Benzo[a]pyrene	U	2800	mg/kg	0.10	0.28	0.62	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	2.4
Indeno(1,2,3-c,d)Pyrene	U	2800	mg/kg	0.10	0.13	0.36	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.6
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.29
Benzo[g,h,i]perylene	U	2800	mg/kg	0.10	0.19	0.48	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.2
Total Of 16 PAH's	N	2800	mg/kg	2.0	5.9	9.2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	39

Project: 19.12.021 Newbury

Client: Listers Geotechnical Consultants		Chemtest Job No.:		20-01583	20-01583	
Quotation No.: Q18-12046		Chemtest Sample ID.:		955713	955714	
Order No.: 19.12.021/254		Client Sample Ref.:				
		Sample Location:		TP03	CT02	
		Sample Type:		SOIL	SOIL	
		Top Depth (m):		1.0	1.2	
		Bottom Depth (m):			1.5	
		Date Sampled:		15-Jan-2020	15-Jan-2020	
		Asbestos Lab:				
Determinand	Accred.	SOP	Units	LOD		
ACM Type	U	2192		N/A		
Asbestos Identification	U	2192	%	0.001		
ACM Detection Stage	U	2192		N/A		
Moisture	N	2030	%	0.020	17	18
Chromatogram (TPH)	N			N/A		
pH	U	2010		4.0		
Magnesium (Water Soluble)	N	2120	g/l	0.010	< 0.010	< 0.010
Sulphate (2:1 Water Soluble) as SO4	U	2120	g/l	0.010		
Total Sulphur	U	2175	%	0.010	< 0.010	< 0.010
Sulphate (Acid Soluble)	U	2430	%	0.010	< 0.010	< 0.010
Arsenic	U	2450	mg/kg	1.0		
Cadmium	U	2450	mg/kg	0.10		
Chromium	U	2450	mg/kg	1.0		
Copper	U	2450	mg/kg	0.50		
Mercury	U	2450	mg/kg	0.10		
Nickel	U	2450	mg/kg	0.50		
Lead	U	2450	mg/kg	0.50		
Selenium	U	2450	mg/kg	0.20		
Zinc	U	2450	mg/kg	0.50		
Chromium (Hexavalent)	N	2490	mg/kg	0.50		
TPH >C6-C8	N	2670	mg/kg	1.0		
TPH >C8-C10	N	2670	mg/kg	1.0		
TPH >C10-C12	N	2670	mg/kg	1.0		
TPH >C12-C16	N	2670	mg/kg	1.0		
TPH >C16-C21	N	2670	mg/kg	1.0		
TPH >C21-C25	N	2670	mg/kg	1.0		
TPH >C25-C35	N	2670	mg/kg	1.0		
TPH >C35-C40	N	2670	mg/kg	1.0		
Total TPH >C6-C40	U	2670	mg/kg	10		
Naphthalene	U	2800	mg/kg	0.10		
Acenaphthylene	N	2800	mg/kg	0.10		
Acenaphthene	U	2800	mg/kg	0.10		
Fluorene	U	2800	mg/kg	0.10		
Phenanthrene	U	2800	mg/kg	0.10		
Anthracene	U	2800	mg/kg	0.10		

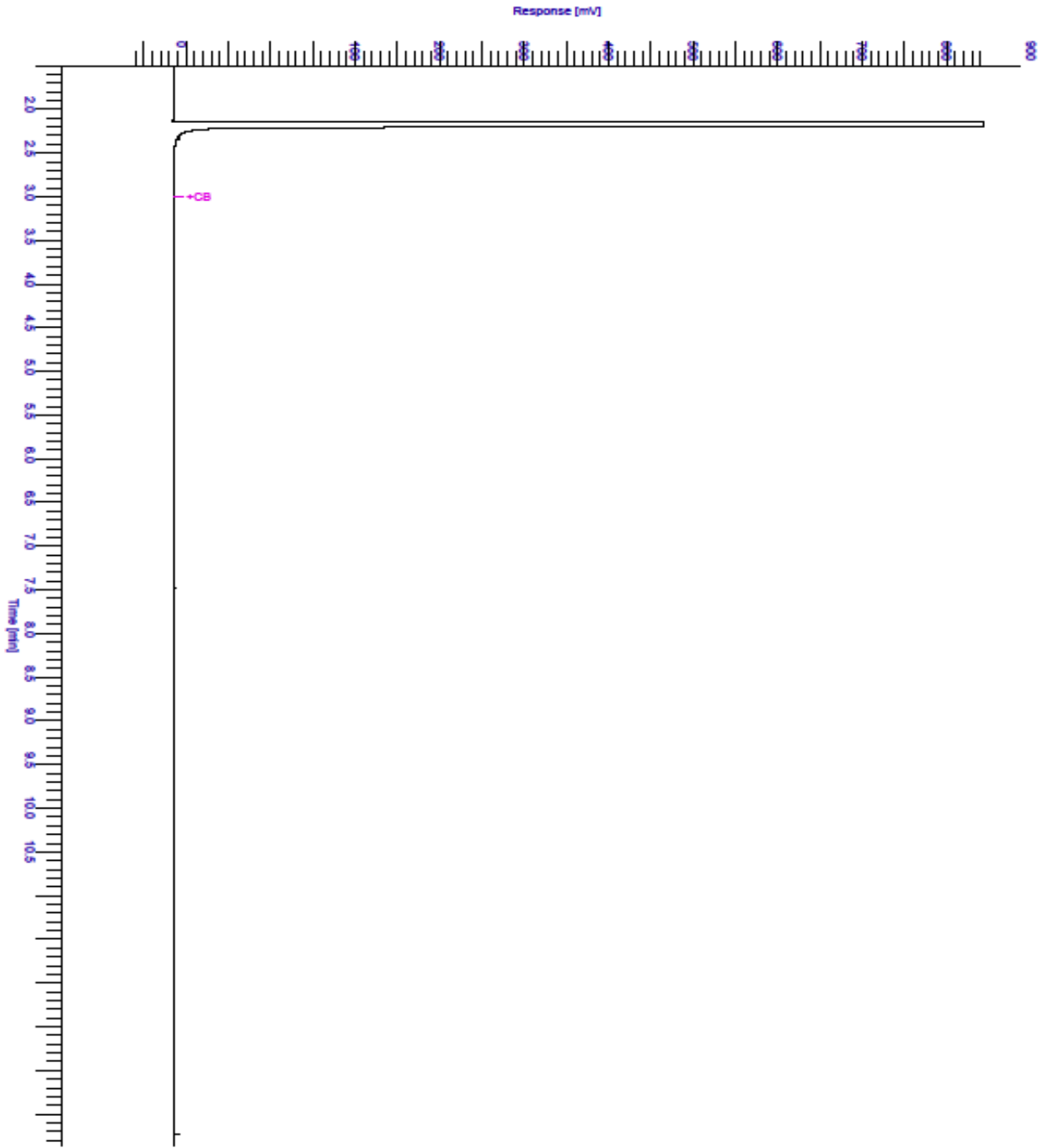
Project: 19.12.021 Newbury

Client: Listers Geotechnical Consultants	Chemtest Job No.:		20-01583	20-01583
Quotation No.: Q18-12046	Chemtest Sample ID.:		955713	955714
Order No.: 19.12.021/254	Client Sample Ref.:			
	Sample Location:		TP03	CT02
	Sample Type:		SOIL	SOIL
	Top Depth (m):		1.0	1.2
	Bottom Depth (m):			1.5
	Date Sampled:		15-Jan-2020	15-Jan-2020
	Asbestos Lab:			
Determinand	Accred.	SOP	Units	LOD
Fluoranthene	U	2800	mg/kg	0.10
Pyrene	U	2800	mg/kg	0.10
Benzo[a]anthracene	U	2800	mg/kg	0.10
Chrysene	U	2800	mg/kg	0.10
Benzo[b]fluoranthene	U	2800	mg/kg	0.10
Benzo[k]fluoranthene	U	2800	mg/kg	0.10
Benzo[a]pyrene	U	2800	mg/kg	0.10
Indeno(1,2,3-c,d)Pyrene	U	2800	mg/kg	0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10
Benzo[g,h,i]perylene	U	2800	mg/kg	0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0

TPH Chromatogram on Soil Sample: 955705

Chromatogram

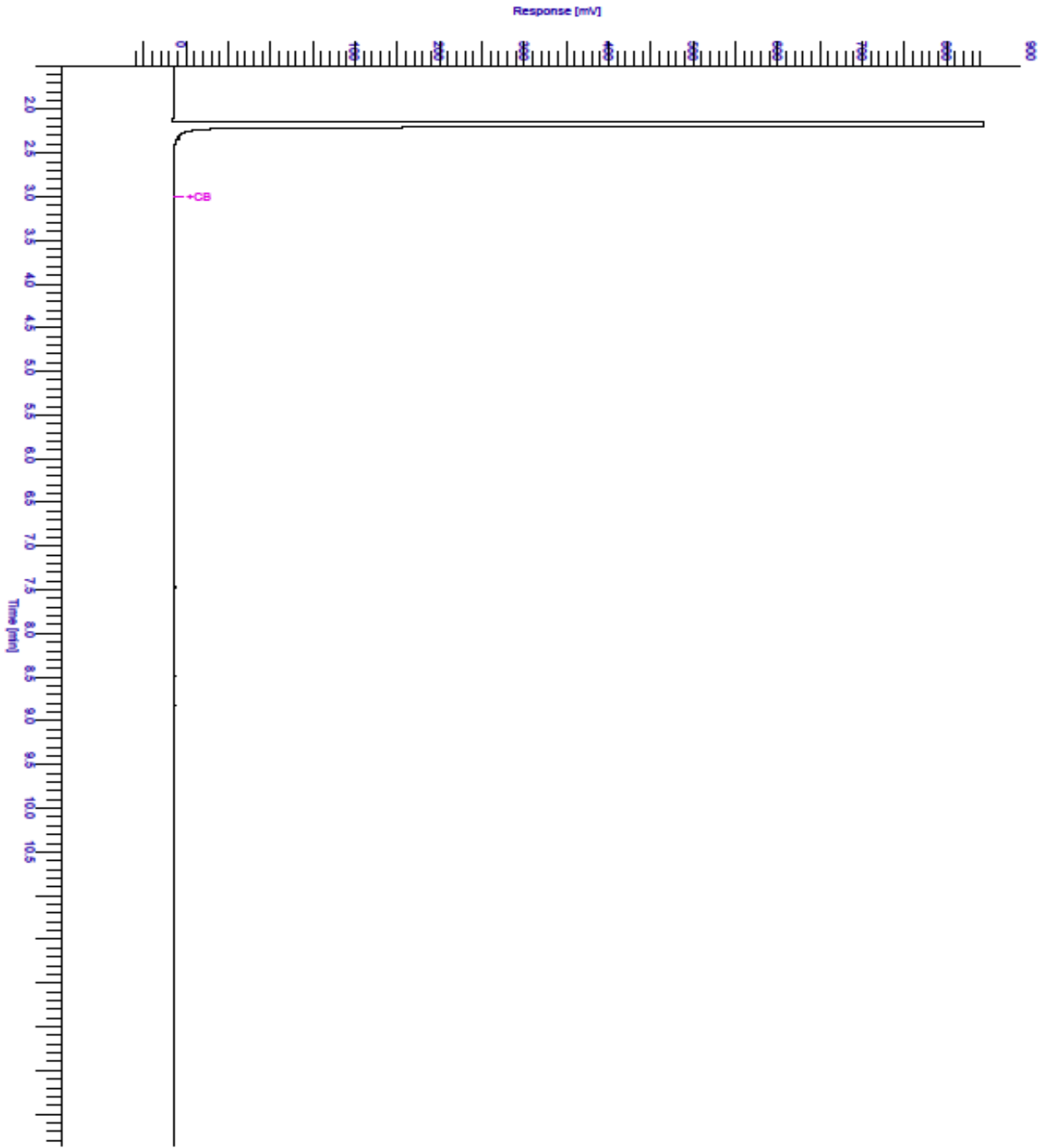
Sample Name : 955705_sr1-20-01583 Sample #: 038 Page 1 of 1
FileName : T:\2020\GC34\Jan\TPH235\TPH235_A038.raw
Date : 22/01/2020 16:35:16
Method : Time of Injection: 22/01/2020 01:46:42
Start Time : 0.00 min End Time : 12.36 min Low Point : -16.16 mV High Point : 993.88 mV
Plot Offset: -16.16 mV Plot Scale: 1010.0 mV



TPH Chromatogram on Soil Sample: 955706

Chromatogram

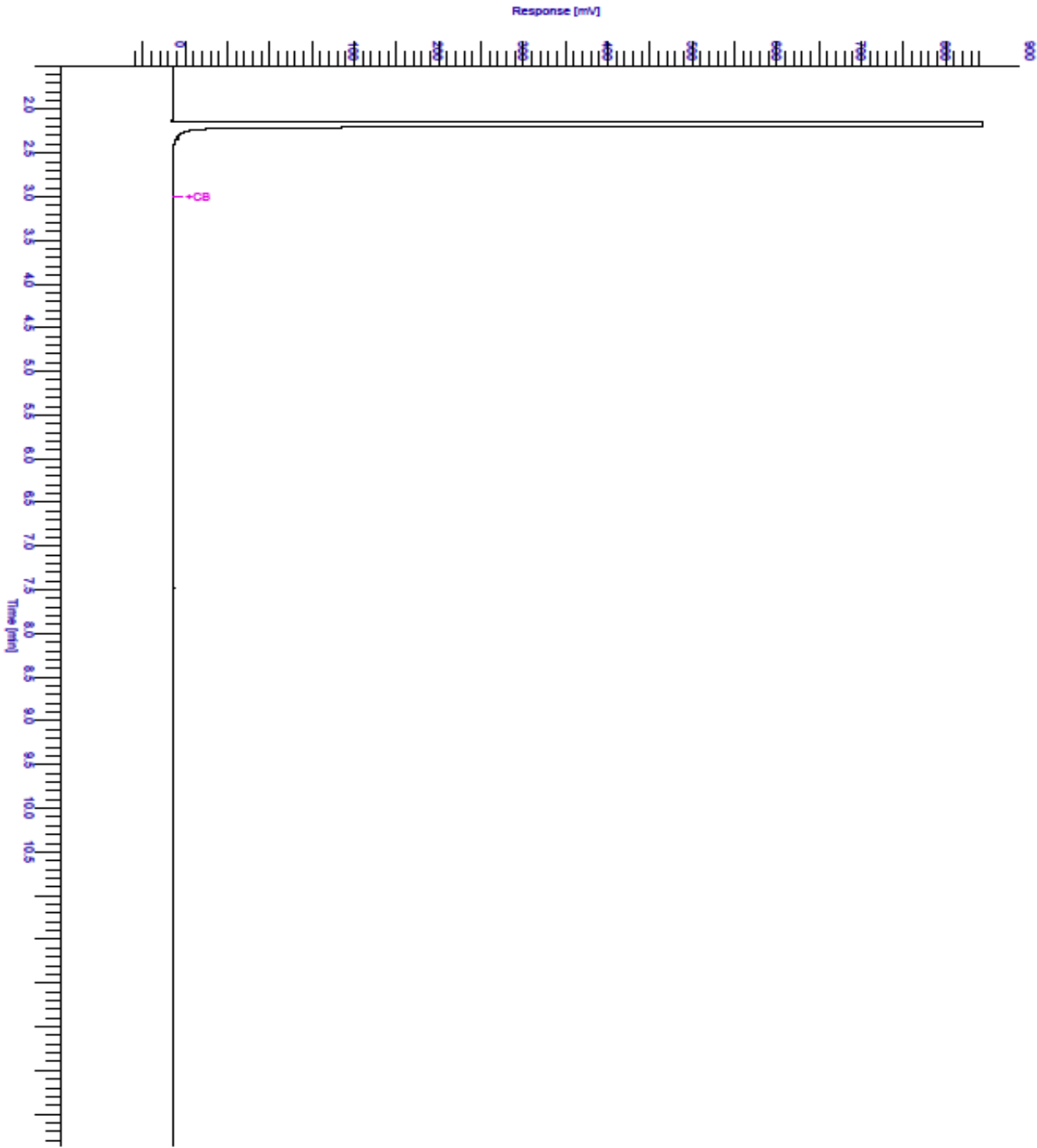
Sample Name : 955706_sr1-20-01583 Sample #: 039 Page 1 of 1
FileName : T:\2020\GC34\Jan\TPH235\TPH235_A039.raw
Date : 22/01/2020 16:35:35
Method : Time of Injection: 22/01/2020 02:04:21
Start Time : 0.00 min End Time : 12.36 min Low Point : -15.85 mV High Point : 993.88 mV
Plot Offset: -15.85 mV Plot Scale: 1009.7 mV



TPH Chromatogram on Soil Sample: 955707

Chromatogram

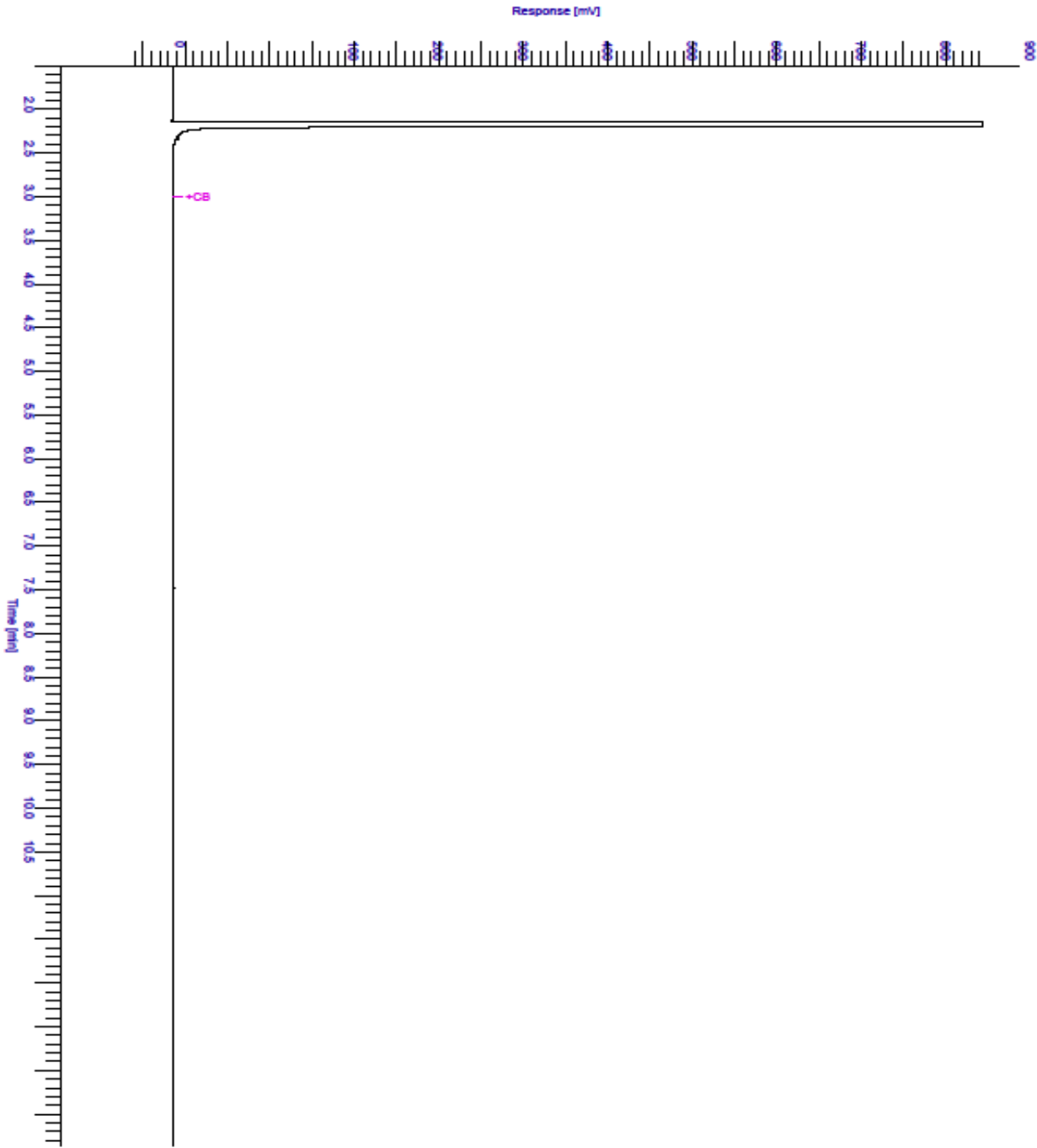
Sample Name : 955707_sr1-20-01583 Sample #: 040 Page 1 of 1
FileName : T:\2020\GC34\Jan\TPH235\TPH235_A040.raw
Date : 22/01/2020 16:35:54
Method : Time of Injection: 22/01/2020 02:21:51
Start Time : 0.00 min End Time : 12.36 min Low Point : -15.95 mV High Point : 993.88 mV
Plot Offset: -15.95 mV Plot Scale: 1009.8 mV



TPH Chromatogram on Soil Sample: 955708

Chromatogram

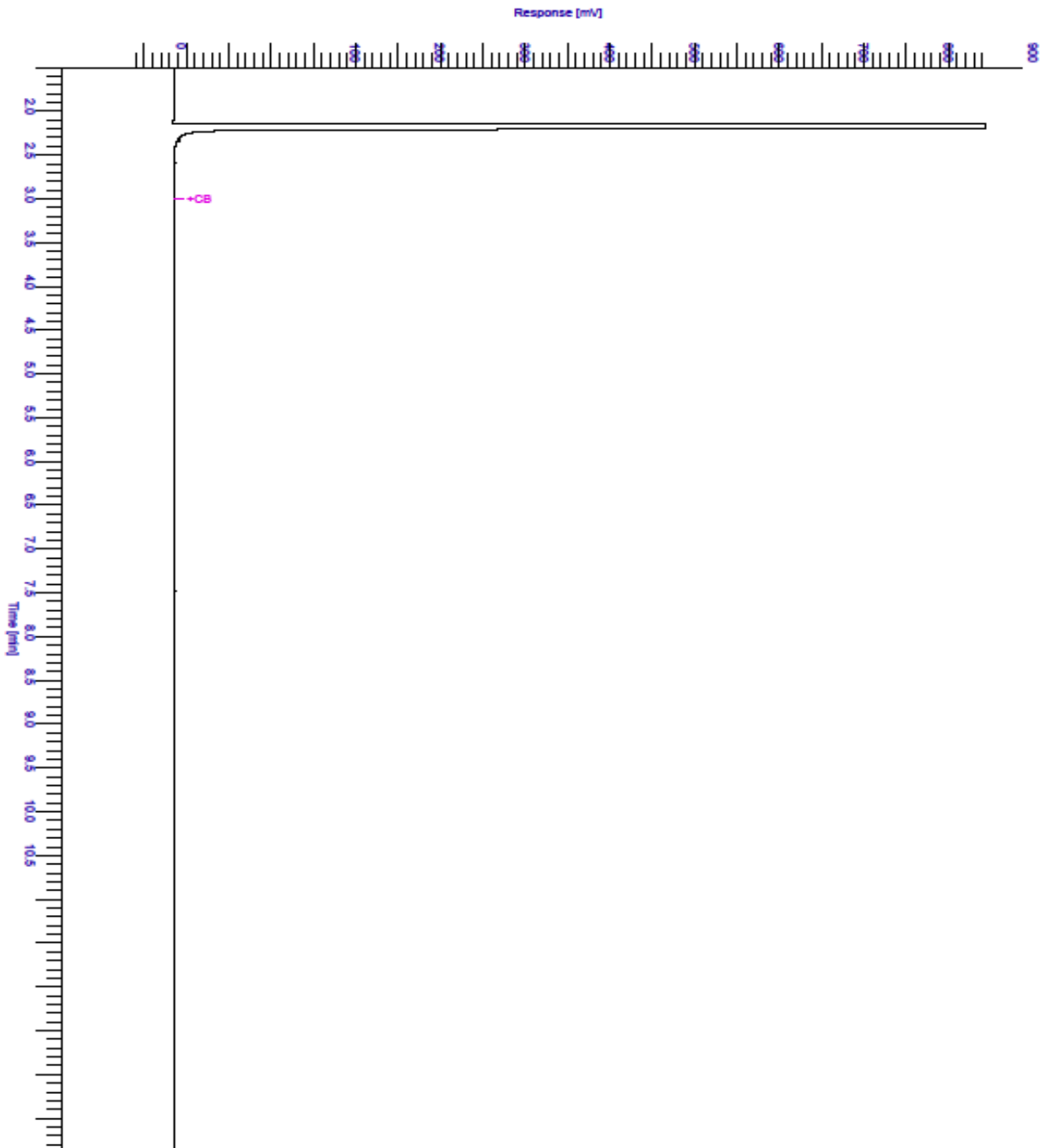
Sample Name : 955708_sr1-20-01583 Sample #: 041 Page 1 of 1
FileName : T:\2020\GC34\Jan\TPH235\TPH235_AD41.raw
Date : 22/01/2020 16:36:10
Method : Time of Injection: 22/01/2020 02:39:18
Start Time : 0.00 min End Time : 12.36 min Low Point : -15.98 mV High Point : 993.88 mV
Plot Offset: -15.98 mV Plot Scale: 1009.9 mV



TPH Chromatogram on Soil Sample: 955709

Chromatogram

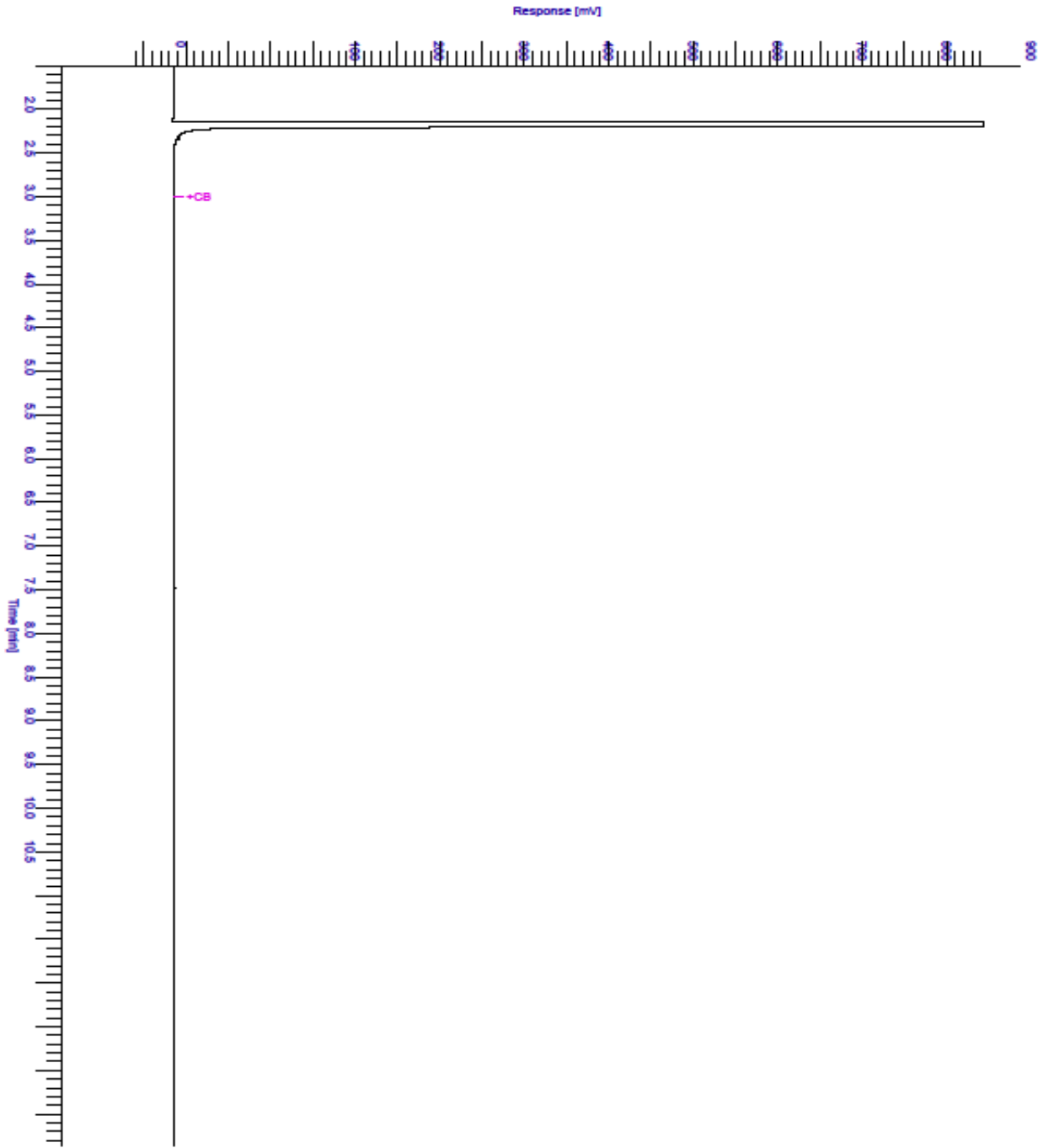
Sample Name : 955709_sr1-20-01583 Sample #: 042 Page 1 of 1
FileName : T:\2020\GC34\Jan\TPH235\TPH235_AD42.raw
Date : 22/01/2020 16:36:29
Method : Time of Injection: 22/01/2020 02:56:47
Start Time : 0.00 min End Time : 12.36 min Low Point : -15.97 mV High Point : 993.88 mV
Plot Offset: -15.97 mV Plot Scale: 1009.8 mV



TPH Chromatogram on Soil Sample: 955710

Chromatogram

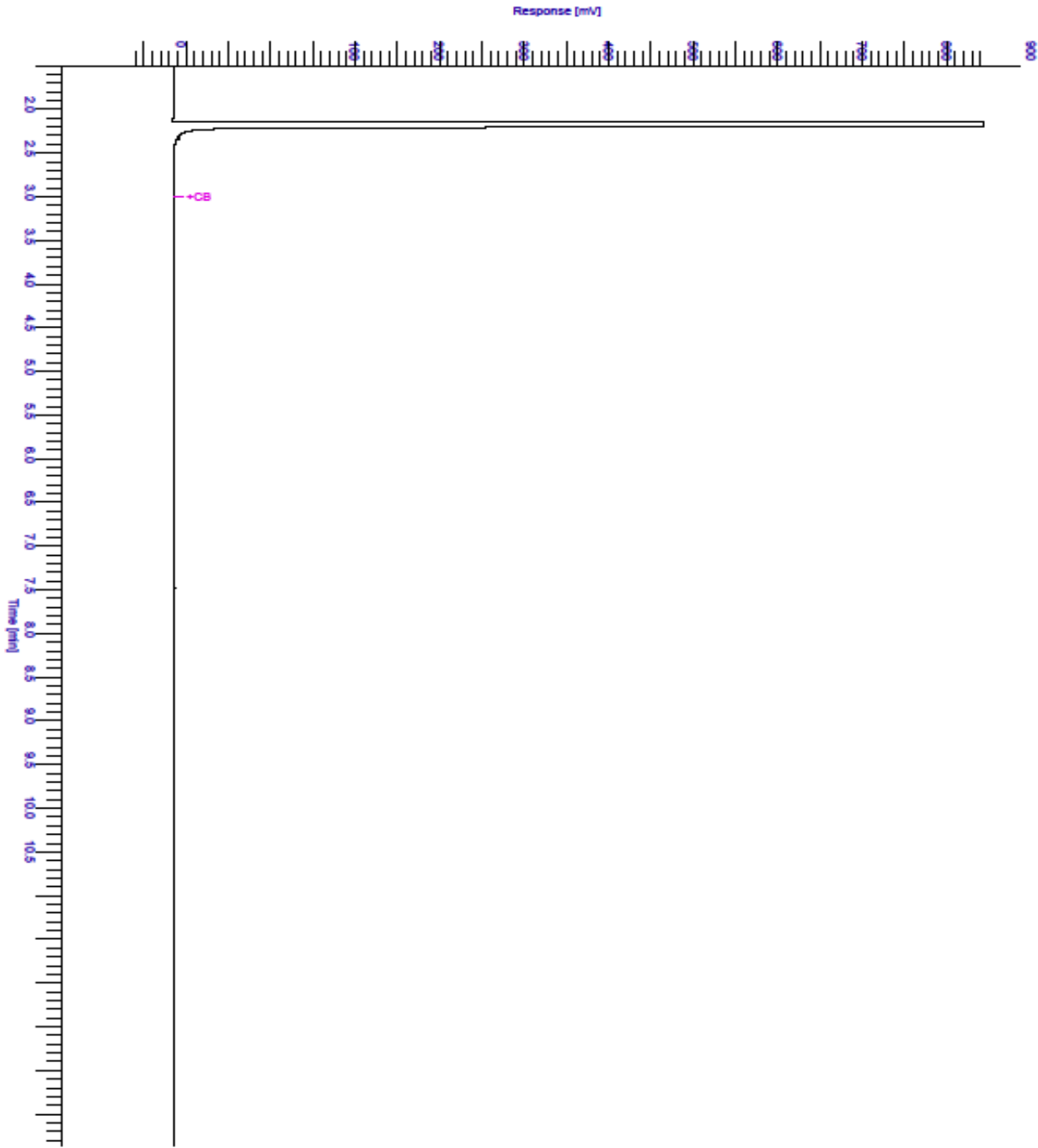
Sample Name : 955710_sr1-20-01583 Sample #: 043 Page 1 of 1
FileName : T:\2020\GC34\Jan\TPH235\TPH235_A043.raw
Date : 22/01/2020 16:36:45
Method : Time of Injection: 22/01/2020 03:14:14
Start Time : 0.00 min End Time : 12.36 min Low Point : -16.01 mV High Point : 993.88 mV
Plot Offset: -16.01 mV Plot Scale: 1009.9 mV



TPH Chromatogram on Soil Sample: 955711

Chromatogram

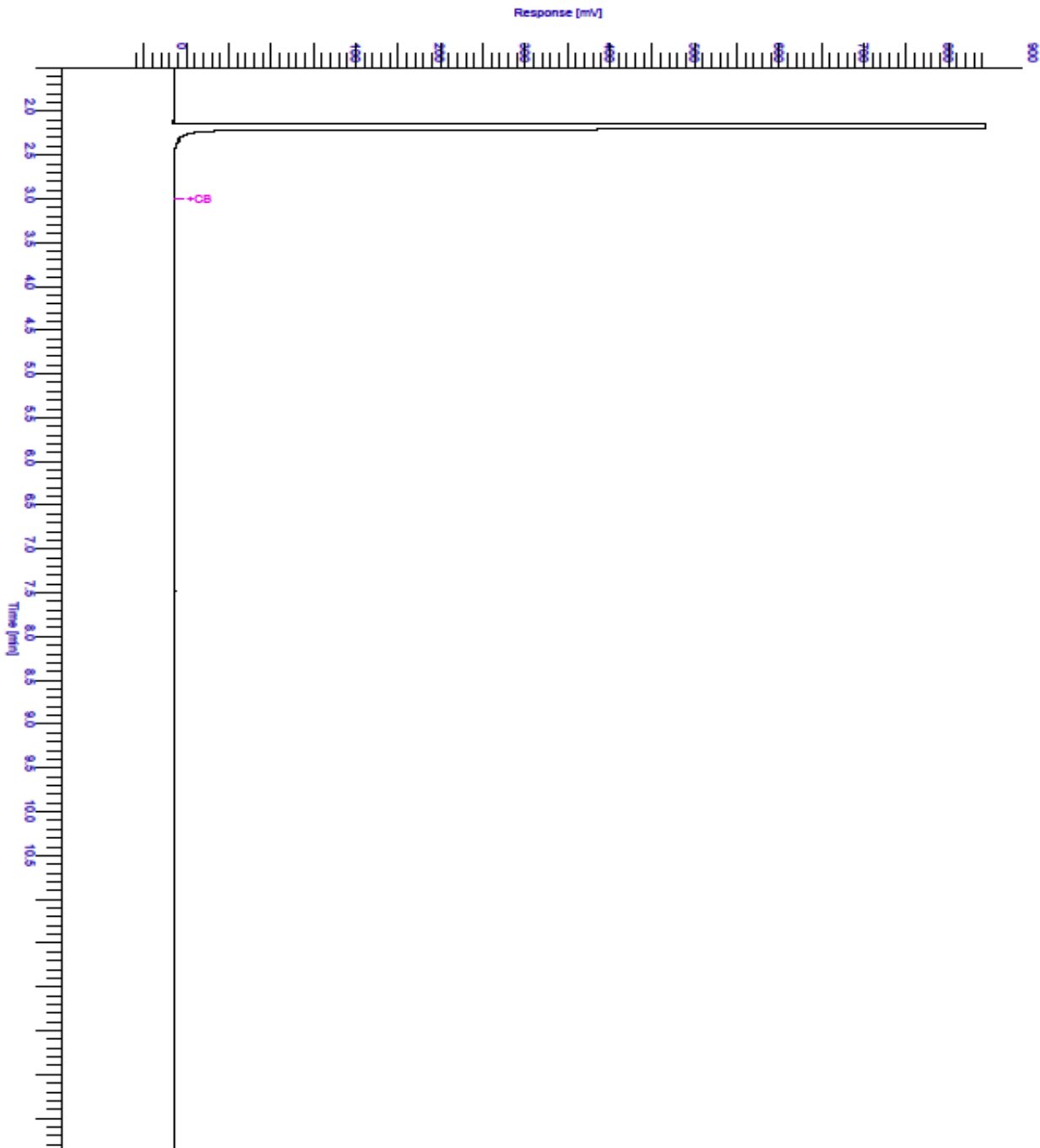
Sample Name : 955711_xr1-20-01583 Sample #: 044 Page 1 of 1
FileName : T:\2020\GC34\Jan\TPH235\TPH235_AD44.raw
Date : 22/01/2020 16:37:05
Method : Time of Injection: 22/01/2020 03:31:56
Start Time : 0.00 min End Time : 12.36 min Low Point : -15.85 mV High Point : 993.88 mV
Plot Offset: -15.85 mV Plot Scale: 1009.7 mV



TPH Chromatogram on Soil Sample: 955712

Chromatogram

Sample Name : 955712_sr1-20-01583 Sample #: 045 Page 1 of 1
FileName : T:\2020\GC34\Jan\TPH235\TPH235_A045.raw
Date : 22/01/2020 16:37:22
Method : Time of Injection: 22/01/2020 03:49:20
Start Time : 0.00 min End Time : 12.36 min Low Point : -16.11 mV High Point : 993.88 mV
Plot Offset: -16.11 mV Plot Scale: 1010.0 mV



SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2175	Total Sulphur in Soils	Total Sulphur	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.
2450	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.
2670	Total Petroleum Hydrocarbons (TPH) in Soils by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO*TPH C8–C40	Dichloromethane extraction / GC-FID
2800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenz[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS

Report Information

Key

- U UKAS accredited
- M MCERTS and UKAS accredited
- N Unaccredited
- S This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
- SN This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
- T This analysis has been subcontracted to an unaccredited laboratory
- I/S Insufficient Sample
- U/S Unsuitable Sample
- N/E not evaluated
- < "less than"
- > "greater than"

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



APPENDIX D

CONTAMINATION RISK ASSESSMENT METHODOLOGY

Contaminated Land Risk Assessment – Definition of Methodology

The Contaminated Land Risk Assessment methodology followed in this report is based on Environment Agency's (EA) online guidance, Land Contamination: Risk Management (LCRM), published in June 2019. The new guidance is based upon the principles of the EA's CLR11 guidance, Model procedures for the management of land contamination, published in 2004.

The preliminary Conceptual Site Model (CSM) has been assessed using the methodology set out in CIRIA C552, Contaminated Land Risk Assessment - A Guide to Good Practice, published in 2001, as detailed below.

Risk evaluation determines the magnitude of risks present by assessing the likelihood of a particular risk being present alongside the severity of the consequence, should that event occur. The overall risk classification is a combination of the two and provides a qualitative assessment upon which to base any further work or remedial measures, where deemed necessary.

Where complete pollutant linkages are present, the probability of a contamination risk occurring at the site has been classified in accordance with the terms listed and defined in the table below.

Classification	Definition of Probability
High Likelihood	An event appears very likely in the short term and almost inevitable in the long term; or there is evidence at the receptor that harm or pollution is occurring.
Likely	It is probable that an event will occur, however, the event is not inevitable. It is possible in the short term and is likely over the long term.
Low Likelihood	Circumstances are possible under which an event could occur. However, it is uncertain that the event would occur even over a longer period and even less likely in the short term.
Unlikely	Circumstances are such that it is improbable that an event would occur even in the very long term.

The magnitude of the consequence of a contamination event occurring at this site is classified in accordance with the definitions listed in the following table. The classification of the consequence does not take into account the probability of the consequences being realised.

Classification	Definition of Consequence	Examples
Severe	Short term (acute) risk to human health likely to result in “significant harm” as defined by the Environment protection Act (1990), Part IIA. Short term risk of pollution of controlled waters. Catastrophic damage to buildings/property. A short-term risk to a particular ecosystem, or organism forming part of such ecosystem	High concentrations of cyanide on the surface of an informal recreation area. Major spillage of contaminants from site into controlled water. Explosion causing building collapse (can also equate to a short-term human health risk if buildings are occupied.).
Medium	Chronic damage to Human Health (“significant harm”). Pollution of controlled waters. A significant change in a particular ecosystem, or organism forming part of such ecosystem.	Concentrations of contaminants from site exceeding generic or site-specific screening criteria. Leaching of contaminants into a major or minor aquifer. Death of species within a designated nature reserve.
Mild	Pollution of non-sensitive water resources. Significant damage to crops, buildings, structures and services. Damage to sensitive buildings/structures/services or the environment	Pollution of non-classified groundwater. Damage to building rendering it unsafe to occupy. (e.g. foundation damage resulting in instability).
Minor	Harm, although not necessarily significant harm, which may result in a financial loss, or expenditure to resolve. Non-permanent health effects to human health (easily prevented by measures such as protective clothing etc). Easily reparable effects of damage to buildings, structures and services	The presence of contaminants at such concentration that protective equipment is required during site works. The loss of plants in a landscaping scheme. Discolouration of concrete.

Once the probability and consequence of each pathway has been classified, the potential overall risk classification can be evaluated using the following matrix.

		Consequence			
		Severe	Medium	Mild	Minor
Probability	High Likelihood	Very High Risk	High Risk	Moderate Risk	Moderate/Low Risk
	Likely	High Risk	Moderate Risk	Moderate/Low Risk	Low Risk
	Low Likelihood	Moderate Risk	Moderate/Low Risk	Low Risk	Very Low Risk
	Unlikely	Moderate/Low Risk	Low Risk	Very Low Risk	Very Low Risk

The definitions of the risk categories provided in CIRIA C552, together with actions that are likely to be necessary, are presented below.

Classification	Definition of Risk and Likely Actions Required
Very high Risk	<ul style="list-style-type: none"> • High probability that severe harm could arise or that severe harm is already occurring • This risk, if realised, is likely to result in a substantial liability • Urgent investigation and remediation are likely to be required
High Risk	<ul style="list-style-type: none"> • Harm is likely to arise • The risk, if realised, is likely to present a substantial liability • Urgent investigation is required and remediation may be necessary in the short term and likely over the longer term
Moderate Risk	<ul style="list-style-type: none"> • It is possible that harm could arise, however, it is unlikely that any harm would be severe and more likely it would be relatively mild • Investigation is likely to be required to clarify the risk and determine potential liability • Some remediation may be required in the longer term
Low Risk	<ul style="list-style-type: none"> • It is possible that harm could arise, but is likely that this harm, if realised, would be mild at worst
Very low Risk	<ul style="list-style-type: none"> • There is a low possibility that harm could arise • If realised, such harm is not likely to be severe

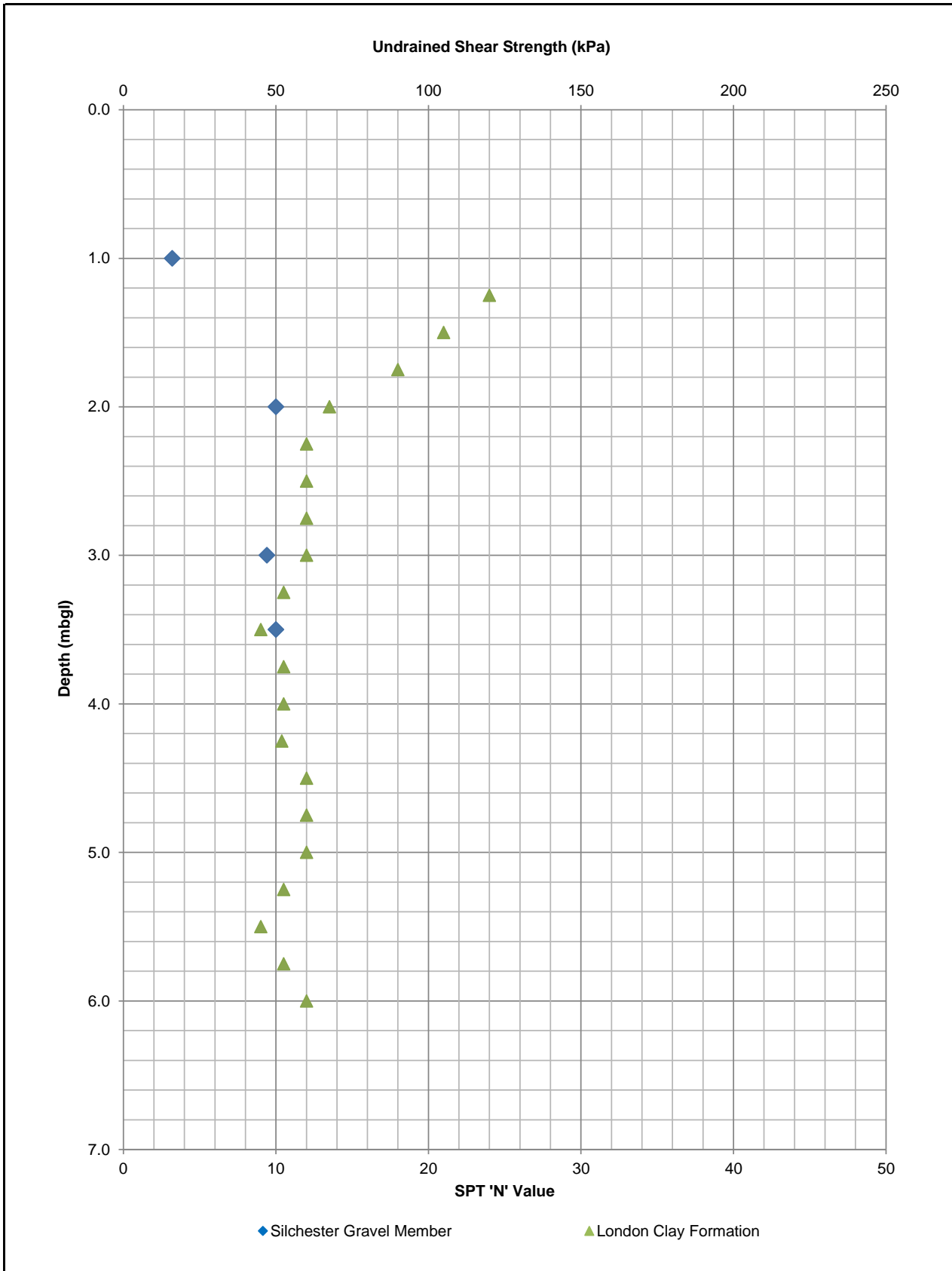
Reference:

Rudland, D J, Lancefield, R M, Mayell, P N, Contaminated land Risk Assessment. A guide to Good Practice, CIRIA Report C552, 2001.



APPENDIX E

GEOTECHNICAL PLOTS AND TABLES



SPT 'N' VALUES AND UNDRAINED SHEAR STRENGTH AGAINST DEPTH

**Report Number
19.12.021**



APPENDIX F WASTE CLASSIFICATION

Waste Classification Report



7YQAH-HAAJ4-P7YBB

Job name

19.12.021

Description/Comments

Project

New residential development

Site

Monks Lane, Newbury, Berkshire, RG14 7TD

Related Documents

#	Name	Description
	None	

Waste Stream Template

ListersGeo Basic Suite WM3 v1.1

Classified by

Name: Amanda David	Company: Listers Geotechnical Consultants Slapton Hill Barn, Blakesley Road Slapton, Towcester NN12 8QD	HazWasteOnline™ Training Record:
Date: 19 Feb 2020 16:50 GMT		Course Hazardous Waste Classification Advanced Hazardous Waste Classification
Telephone: 01327 860060		Date 08 Jun 2016 09 Jun 2016

Report


Created by: Amanda David
Created date: 19 Feb 2020 16:50 GMT

Job summary

#	Sample Name	Depth [m]	Classification Result	Hazard properties	Page
1	TP02	0.5	Non Hazardous		2
2	TP04		Non Hazardous		4
3	TP05		Non Hazardous		6
4	TP01	0.5	Non Hazardous		8
5	CT01	0.1	Non Hazardous		10
6	CT02	0.2	Non Hazardous		12
7	CT03	0.1	Non Hazardous		14
8	TP03	0.2	Non Hazardous		16

Appendices	Page
Appendix A: Classifier defined and non CLP determinands	18
Appendix B: Rationale for selection of metal species	19
Appendix C: Version	19

Classification of sample: TP02

 **Non Hazardous Waste**
 Classified as **17 05 04**
 in the List of Waste

Sample details

Sample Name:	LoW Code:
TP02	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.5 m	
Moisture content:	
13%	
(wet weight correction)	

Hazard properties

None identified

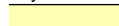



Determinands

Moisture content: 13% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	033-003-00-0	215-481-4	1327-53-3		8.3 pH		8.3 pH	8.3 pH		
2	033-003-00-0	215-481-4	1327-53-3		10 mg/kg	1.32	11.487 mg/kg	0.00115 %	✓	
3	048-010-00-4	215-147-8	1306-23-6	1	0.21 mg/kg	1.285	0.235 mg/kg	0.0000183 %	✓	
4	029-002-00-X	215-270-7	1317-39-1		14 mg/kg	1.462	17.802 mg/kg	0.00178 %	✓	
5	029-002-00-X	215-270-7	1317-39-1		13 mg/kg	1.126	12.734 mg/kg	0.00127 %	✓	
6	080-010-00-X	231-299-8	7487-94-7		0.23 mg/kg	1.353	0.271 mg/kg	0.0000271 %	✓	
7	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		11 mg/kg	1.579	15.116 mg/kg	0.00151 %	✓	
8	082-004-00-2	231-846-0	7758-97-6	1	35 mg/kg	1.56	47.496 mg/kg	0.00305 %	✓	
9	034-002-00-8				<0.2 mg/kg	2.554	<0.511 mg/kg	<0.0000511 %		<LOD
10	024-007-00-3				45 mg/kg	2.774	108.608 mg/kg	0.0109 %	✓	
11			TPH		49 mg/kg		42.63 mg/kg	0.00426 %	✓	
12	601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
13		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
14		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
15		201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
16		201-581-5	85-01-8		1.3 mg/kg		1.131 mg/kg	0.000113 %	✓	

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	anthracene	204-371-1	120-12-7		0.19 mg/kg		0.165 mg/kg	0.0000165 %	✓	
18	fluoranthene	205-912-4	206-44-0		1.5 mg/kg		1.305 mg/kg	0.000131 %	✓	
19	pyrene	204-927-3	129-00-0		1.3 mg/kg		1.131 mg/kg	0.000113 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	0.35 mg/kg		0.305 mg/kg	0.0000305 %	✓	
21	chrysene	601-048-00-0	205-923-4	218-01-9	0.32 mg/kg		0.278 mg/kg	0.0000278 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	0.36 mg/kg		0.313 mg/kg	0.0000313 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.28 mg/kg		0.244 mg/kg	0.0000244 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	0.13 mg/kg		0.113 mg/kg	0.0000113 %	✓	
27	benzo[ghi]perylene	205-883-8	191-24-2		0.19 mg/kg		0.165 mg/kg	0.0000165 %	✓	
Total:								0.0246 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because WM3 states that soil is a solid wastes with no liquid phase.


Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00426%)

Classification of sample: TP04

 **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:	LoW Code:
TP04	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
10% (wet weight correction)	

Hazard properties

None identified


Determinands

Moisture content: 10% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
1	• pH		PH		8.1	pH		8.1	pH	8.1 pH		
2	• arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	7.6	mg/kg	1.32	9.031	mg/kg	0.000903 %	✓	
3	• cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.1	mg/kg	1.285	0.116	mg/kg	0.000009 %	✓
4	• chromium { chromium(III) oxide }		215-160-9	1308-38-9		17	mg/kg	1.462	22.362	mg/kg	0.00224 %	✓
5	• copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		11	mg/kg	1.126	11.146	mg/kg	0.00111 %	✓
6	• mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.12	mg/kg	1.353	0.146	mg/kg	0.0000146 %	✓
7	• nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		8.4	mg/kg	1.579	11.941	mg/kg	0.00119 %	✓
8	• lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	27	mg/kg	1.56	37.904	mg/kg	0.00243 %	✓
9	• selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				0.32	mg/kg	2.554	0.735	mg/kg	0.0000735 %	✓
10	• zinc { zinc chromate }	024-007-00-3				31	mg/kg	2.774	77.399	mg/kg	0.00774 %	✓
11	• TPH (C6 to C40) petroleum group		TPH			29	mg/kg		26.1	mg/kg	0.00261 %	✓
12	• naphthalene	601-052-00-2	202-049-5	91-20-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	<LOD
13	• acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	<LOD
14	• acenaphthene		201-469-6	83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	<LOD
15	• fluorene		201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	<LOD
16	• phenanthrene		201-581-5	85-01-8		0.81	mg/kg		0.729	mg/kg	0.0000729 %	✓
17	• anthracene		204-371-1	120-12-7		0.18	mg/kg		0.162	mg/kg	0.0000162 %	✓

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
18	fluoranthene				2.2 mg/kg		1.98 mg/kg	0.000198 %	✓	
		205-912-4	206-44-0							
19	pyrene				1.8 mg/kg		1.62 mg/kg	0.000162 %	✓	
		204-927-3	129-00-0							
20	benzo[a]anthracene				0.72 mg/kg		0.648 mg/kg	0.0000648 %	✓	
		601-033-00-9	200-280-6							
21	chrysene				0.72 mg/kg		0.648 mg/kg	0.0000648 %	✓	
		601-048-00-0	205-923-4							
22	benzo[b]fluoranthene				1.1 mg/kg		0.99 mg/kg	0.000099 %	✓	
		601-034-00-4	205-911-9							
23	benzo[k]fluoranthene				0.25 mg/kg		0.225 mg/kg	0.0000225 %	✓	
		601-036-00-5	205-916-6							
24	benzo[a]pyrene; benzo[def]chrysene				0.62 mg/kg		0.558 mg/kg	0.0000558 %	✓	
		601-032-00-3	200-028-5							
25	indeno[123-cd]pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-893-2	193-39-5							
26	dibenz[a,h]anthracene				0.36 mg/kg		0.324 mg/kg	0.0000324 %	✓	
		601-041-00-2	200-181-8							
27	benzo[ghi]perylene				0.48 mg/kg		0.432 mg/kg	0.0000432 %	✓	
		205-883-8	191-24-2							
Total:								0.0192 %		

Key

 	User supplied data
 	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because WM3 states that soil is a solid wastes with no liquid phase.


Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00261%)

Classification of sample: TP05

 **Non Hazardous Waste**
 Classified as **17 05 04**
 in the List of Waste

Sample details

Sample Name:	LoW Code:
TP05	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
10% (wet weight correction)	

Hazard properties

None identified


Determinands

Moisture content: 10% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
1	033-003-00-0		PH		8.2	pH		8.2	pH	8.2 pH		
2	033-003-00-0	215-481-4	1327-53-3		4.5	mg/kg	1.32	5.347	mg/kg	0.000535 %	✓	
3	048-010-00-4	215-147-8	1306-23-6	1	0.11	mg/kg	1.285	0.127	mg/kg	0.0000099 %	✓	
4		215-160-9	1308-38-9		14	mg/kg	1.462	18.416	mg/kg	0.00184 %	✓	
5	029-002-00-X	215-270-7	1317-39-1		8.4	mg/kg	1.126	8.512	mg/kg	0.000851 %	✓	
6	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<LOD
7	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		8.1	mg/kg	1.579	11.515	mg/kg	0.00115 %	✓	
8	082-004-00-2	231-846-0	7758-97-6	1	28	mg/kg	1.56	39.307	mg/kg	0.00252 %	✓	
9	034-002-00-8				<0.2	mg/kg	2.554	<0.511	mg/kg	<0.0000511 %		<LOD
10	024-007-00-3				20	mg/kg	2.774	49.935	mg/kg	0.00499 %	✓	
11			TPH		16	mg/kg		14.4	mg/kg	0.00144 %	✓	
12	601-052-00-2	202-049-5	91-20-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
13		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
14		201-469-6	83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
15		201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
16		201-581-5	85-01-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
17		204-371-1	120-12-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
18	fluoranthene				0.26 mg/kg		0.234 mg/kg	0.0000234 %	✓	
		205-912-4	206-44-0							
19	pyrene				0.22 mg/kg		0.198 mg/kg	0.0000198 %	✓	
		204-927-3	129-00-0							
20	benzo[a]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-033-00-9	200-280-6							
21	chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4							
22	benzo[b]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-034-00-4	205-911-9							
23	benzo[k]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6							
24	benzo[a]pyrene; benzo[def]chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-032-00-3	200-028-5							
25	indeno[123-cd]pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-893-2	193-39-5							
26	dibenz[a,h]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8							
27	benzo[ghi]perylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-883-8	191-24-2							
Total:								0.0136 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because WM3 states that soil is a solid wastes with no liquid phase.


Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00144%)

Classification of sample: TP01

 **Non Hazardous Waste**
 Classified as **17 05 04**
 in the List of Waste

Sample details

Sample Name:	LoW Code:
TP01	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.5 m	
Moisture content:	
7.8%	
(wet weight correction)	

Hazard properties

None identified

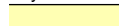



Determinands

Moisture content: 7.8% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	033-003-00-0	215-481-4	1327-53-3		8.2 pH		8.2 pH	8.2 pH		
2	033-003-00-0	215-481-4	1327-53-3		4.3 mg/kg	1.32	5.235 mg/kg	0.000523 %	✓	
3	048-010-00-4	215-147-8	1306-23-6	1	0.14 mg/kg	1.285	0.166 mg/kg	0.0000129 %	✓	
4	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		10 mg/kg	1.462	13.476 mg/kg	0.00135 %	✓	
5	029-002-00-X	215-270-7	1317-39-1		7.9 mg/kg	1.126	8.201 mg/kg	0.00082 %	✓	
6	080-010-00-X	231-299-8	7487-94-7		0.11 mg/kg	1.353	0.137 mg/kg	0.0000137 %	✓	
7	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		6.6 mg/kg	1.579	9.612 mg/kg	0.000961 %	✓	
8	082-004-00-2	231-846-0	7758-97-6	1	24 mg/kg	1.56	34.516 mg/kg	0.00221 %	✓	
9	034-002-00-8				<0.2 mg/kg	2.554	<0.511 mg/kg	<0.0000511 %		<LOD
10	024-007-00-3				21 mg/kg	2.774	53.713 mg/kg	0.00537 %	✓	
11			TPH		18 mg/kg		16.596 mg/kg	0.00166 %	✓	
12	601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
13		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
14		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
15		201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
16		201-581-5	85-01-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	anthracene	204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
18	fluoranthene	205-912-4	206-44-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
19	pyrene	204-927-3	129-00-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
20	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	chrysene	601-048-00-0	205-923-4	218-01-9	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
27	benzo[ghi]perylene	205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
Total:								0.0131 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because WM3 states that soil is a solid wastes with no liquid phase.


Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00166%)

Classification of sample: CT01

 **Non Hazardous Waste**
 Classified as **17 05 04**
 in the List of Waste

Sample details

Sample Name:	LoW Code:
CT01	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.1 m	
Moisture content:	
9.6%	
(wet weight correction)	

Hazard properties

None identified

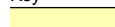



Determinands

Moisture content: 9.6% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	033-003-00-0	215-481-4	1327-53-3		7.6 pH		7.6 pH	7.6 pH		
2	033-003-00-0	215-481-4	1327-53-3		5.4 mg/kg	1.32	6.445 mg/kg	0.000645 %	✓	
3	048-010-00-4	215-147-8	1306-23-6	1	0.18 mg/kg	1.285	0.209 mg/kg	0.0000163 %	✓	
4	029-002-00-X	215-270-7	1317-39-1		12 mg/kg	1.462	15.855 mg/kg	0.00159 %	✓	
5	029-002-00-X	215-270-7	1317-39-1		8 mg/kg	1.126	8.142 mg/kg	0.000814 %	✓	
6	080-010-00-X	231-299-8	7487-94-7		0.13 mg/kg	1.353	0.159 mg/kg	0.0000159 %	✓	
7	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		7 mg/kg	1.579	9.995 mg/kg	0.001 %	✓	
8	082-004-00-2	231-846-0	7758-97-6	1	30 mg/kg	1.56	42.302 mg/kg	0.00271 %	✓	
9	034-002-00-8				<0.2 mg/kg	2.554	<0.511 mg/kg	<0.0000511 %		<LOD
10	024-007-00-3				24 mg/kg	2.774	60.188 mg/kg	0.00602 %	✓	
11			TPH		19 mg/kg		17.176 mg/kg	0.00172 %	✓	
12	601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
13		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
14		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
15		201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
16		201-581-5	85-01-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	anthracene	204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
18	fluoranthene	205-912-4	206-44-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
19	pyrene	204-927-3	129-00-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
20	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	chrysene	601-048-00-0	205-923-4	218-01-9	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
27	benzo[ghi]perylene	205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
Total:								0.0147 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because WM3 states that soil is a solid wastes with no liquid phase.


Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00172%)

Classification of sample: CT02

 **Non Hazardous Waste**
 Classified as **17 05 04**
 in the List of Waste

Sample details

Sample Name:	LoW Code:
CT02	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.2 m	
Moisture content:	
27%	
(wet weight correction)	

Hazard properties

None identified

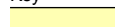



Determinands

Moisture content: 27% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	033-003-00-0	215-481-4	1327-53-3		8 pH		8 pH	8pH		
2	033-003-00-0	215-481-4	1327-53-3		4.5 mg/kg	1.32	4.337 mg/kg	0.000434 %	✓	
3	048-010-00-4	215-147-8	1306-23-6	1	<0.1 mg/kg	1.285	<0.129 mg/kg	<0.00001 %		<LOD
4	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		19 mg/kg	1.462	20.272 mg/kg	0.00203 %	✓	
5	029-002-00-X	215-270-7	1317-39-1		6.5 mg/kg	1.126	5.342 mg/kg	0.000534 %	✓	
6	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
7	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		12 mg/kg	1.579	13.836 mg/kg	0.00138 %	✓	
8	082-004-00-2	231-846-0	7758-97-6	1	7 mg/kg	1.56	7.971 mg/kg	0.000511 %	✓	
9	034-002-00-8				0.21 mg/kg	2.554	0.391 mg/kg	0.0000391 %	✓	
10	024-007-00-3				11 mg/kg	2.774	22.276 mg/kg	0.00223 %	✓	
11			TPH		19 mg/kg		13.87 mg/kg	0.00139 %	✓	
12	601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
13		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
14		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
15		201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
16		201-581-5	85-01-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	anthracene	204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
18	fluoranthene	205-912-4	206-44-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
19	pyrene	204-927-3	129-00-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
20	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	chrysene	601-048-00-0	205-923-4	218-01-9	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
27	benzo[ghi]perylene	205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
Total:								0.00873 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because WM3 states that soil is a solid wastes with no liquid phase.


Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00139%)

Classification of sample: CT03

 **Non Hazardous Waste**
 Classified as **17 05 04**
 in the List of Waste

Sample details

Sample Name:	LoW Code:
CT03	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.1 m	
Moisture content:	
14%	
(wet weight correction)	

Hazard properties

None identified

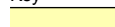



Determinands

Moisture content: 14% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	033-003-00-0	215-481-4	1327-53-3		8 pH		8 pH	8pH		
2	033-003-00-0	215-481-4	1327-53-3		2.8 mg/kg	1.32	3.179 mg/kg	0.000318 %	✓	
3	048-010-00-4	215-147-8	1306-23-6	1	<0.1 mg/kg	1.285	<0.129 mg/kg	<0.00001 %		<LOD
4	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		15 mg/kg	1.462	18.854 mg/kg	0.00189 %	✓	
5	029-002-00-X	215-270-7	1317-39-1		6.2 mg/kg	1.126	6.003 mg/kg	0.0006 %	✓	
6	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
7	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		9.1 mg/kg	1.579	12.361 mg/kg	0.00124 %	✓	
8	082-004-00-2	231-846-0	7758-97-6	1	14 mg/kg	1.56	18.78 mg/kg	0.0012 %	✓	
9	034-002-00-8				<0.2 mg/kg	2.554	<0.511 mg/kg	<0.0000511 %		<LOD
10	024-007-00-3				12 mg/kg	2.774	28.629 mg/kg	0.00286 %	✓	
11			TPH		18 mg/kg		15.48 mg/kg	0.00155 %	✓	
12	601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
13		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
14		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
15		201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
16		201-581-5	85-01-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	anthracene	204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
18	fluoranthene	205-912-4	206-44-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
19	pyrene	204-927-3	129-00-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
20	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	chrysene	601-048-00-0	205-923-4	218-01-9	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
27	benzo[ghi]perylene	205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
Total:								0.00989 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because WM3 states that soil is a solid wastes with no liquid phase.


Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00155%)

Classification of sample: TP03

 **Non Hazardous Waste**
 Classified as **17 05 04**
 in the List of Waste

Sample details

Sample Name:	LoW Code:
TP03	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.2 m	
Moisture content:	
19%	
(wet weight correction)	

Hazard properties

None identified

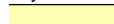



Determinands

Moisture content: 19% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	033-003-00-0	215-481-4	1327-53-3		6.2 pH		6.2 pH	6.2 pH		
2	033-003-00-0	215-481-4	1327-53-3		4.6 mg/kg	1.32	4.92 mg/kg	0.000492 %	✓	
3	048-010-00-4	215-147-8	1306-23-6	1	0.13 mg/kg	1.285	0.135 mg/kg	0.0000105 %	✓	
4	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		9.3 mg/kg	1.462	11.01 mg/kg	0.0011 %	✓	
5	029-002-00-X	215-270-7	1317-39-1		7 mg/kg	1.126	6.384 mg/kg	0.000638 %	✓	
6	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
7	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		5.7 mg/kg	1.579	7.293 mg/kg	0.000729 %	✓	
8	082-004-00-2	231-846-0	7758-97-6	1	24 mg/kg	1.56	30.323 mg/kg	0.00194 %	✓	
9	034-002-00-8				<0.2 mg/kg	2.554	<0.511 mg/kg	<0.0000511 %		<LOD
10	024-007-00-3				22 mg/kg	2.774	49.435 mg/kg	0.00494 %	✓	
11			TPH		13 mg/kg		10.53 mg/kg	0.00105 %	✓	
12	601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
13		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
14		201-469-6	83-32-9		0.95 mg/kg		0.77 mg/kg	0.000077 %	✓	
15		201-695-5	86-73-7		1.1 mg/kg		0.891 mg/kg	0.0000891 %	✓	
16		201-581-5	85-01-8		6.1 mg/kg		4.941 mg/kg	0.000494 %	✓	

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	anthracene	204-371-1	120-12-7		1.8 mg/kg		1.458 mg/kg	0.000146 %	✓	
18	fluoranthene	205-912-4	206-44-0		7.9 mg/kg		6.399 mg/kg	0.00064 %	✓	
19	pyrene	204-927-3	129-00-0		6.1 mg/kg		4.941 mg/kg	0.000494 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	2.9 mg/kg		2.349 mg/kg	0.000235 %	✓	
21	chrysene	601-048-00-0	205-923-4	218-01-9	2.4 mg/kg		1.944 mg/kg	0.000194 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	3.1 mg/kg		2.511 mg/kg	0.000251 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	1.2 mg/kg		0.972 mg/kg	0.0000972 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	2.4 mg/kg		1.944 mg/kg	0.000194 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.29 mg/kg		0.235 mg/kg	0.0000235 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	1.6 mg/kg		1.296 mg/kg	0.00013 %	✓	
27	benzo[ghi]perylene	205-883-8	191-24-2		1.2 mg/kg		0.972 mg/kg	0.0000972 %	✓	
Total:								0.0142 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because WM3 states that soil is a solid wastes with no liquid phase.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00105%)

Appendix A: Classifier defined and non CLP determinands

- **pH** (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

- **chromium(III) oxide** (EC Number: 215-160-9, CAS Number: 1308-38-9)

Conversion factor: 1.462
Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 17 Jul 2015
Hazard Statements: Aquatic Chronic 1 H410 , Aquatic Acute 1 H400 , Repr. 1B H360FD , Skin Sens. 1 H317 , Resp. Sens. 1 H334 , Skin Irrit. 2 H315 , STOT SE 3 H335 , Eye Irrit. 2 H319 , Acute Tox. 4 H302 , Acute Tox. 4 H332

- **TPH (C6 to C40) petroleum group** (CAS Number: TPH)

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: Aquatic Chronic 2 H411 , Repr. 2 H361d , Carc. 1B H350 , Muta. 1B H340 , STOT RE 2 H373 , Asp. Tox. 1 H304 , Flam. Liq. 3 H226

- **acenaphthylene** (EC Number: 205-917-1, CAS Number: 208-96-8)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 17 Jul 2015
Hazard Statements: Skin Irrit. 2 H315 , STOT SE 3 H335 , Eye Irrit. 2 H319 , Acute Tox. 1 H310 , Acute Tox. 1 H330 , Acute Tox. 4 H302

- **acenaphthene** (EC Number: 201-469-6, CAS Number: 83-32-9)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 17 Jul 2015
Hazard Statements: Aquatic Chronic 2 H411 , Aquatic Chronic 1 H410 , Aquatic Acute 1 H400 , Skin Irrit. 2 H315 , STOT SE 3 H335 , Eye Irrit. 2 H319

- **fluorene** (EC Number: 201-695-5, CAS Number: 86-73-7)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 06 Aug 2015
Hazard Statements: Aquatic Chronic 1 H410 , Aquatic Acute 1 H400

- **phenanthrene** (EC Number: 201-581-5, CAS Number: 85-01-8)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 06 Aug 2015
Hazard Statements: Skin Irrit. 2 H315 , Aquatic Chronic 1 H410 , Aquatic Acute 1 H400 , Skin Sens. 1 H317 , Carc. 2 H351 , STOT SE 3 H335 , Eye Irrit. 2 H319 , Acute Tox. 4 H302

- **anthracene** (EC Number: 204-371-1, CAS Number: 120-12-7)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 17 Jul 2015
Hazard Statements: Aquatic Chronic 1 H410 , Aquatic Acute 1 H400 , Skin Sens. 1 H317 , Skin Irrit. 2 H315 , STOT SE 3 H335 , Eye Irrit. 2 H319

- **fluoranthene** (EC Number: 205-912-4, CAS Number: 206-44-0)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 21 Aug 2015
Hazard Statements: Aquatic Chronic 1 H410 , Aquatic Acute 1 H400 , Acute Tox. 4 H302

- **pyrene** (EC Number: 204-927-3, CAS Number: 129-00-0)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 2014
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 21 Aug 2015
Hazard Statements: Aquatic Chronic 1 H410 , Aquatic Acute 1 H400 , STOT SE 3 H335 , Eye Irrit. 2 H319 , Skin Irrit. 2 H315

• **indeno[123-cd]pyrene** (EC Number: 205-893-2, CAS Number: 193-39-5)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 06 Aug 2015

Hazard Statements: Carc. 2 H351

• **benzo[ghi]perylene** (EC Number: 205-883-8, CAS Number: 191-24-2)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 23 Jul 2015

Hazard Statements: Aquatic Chronic 1 H410 , Aquatic Acute 1 H400

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Worst case species based on risk phrases

cadmium {cadmium sulfide}

Worst case species based on risk phrases

chromium {chromium(III) oxide}

No CrVI detected (<0.50 mg/kg)

copper {dicopper oxide; copper (I) oxide}

Most likely common species

mercury {mercury dichloride}

Worst case species based on risk phrases

nickel {nickel dihydroxide}

Worst case species based on risk phrases

lead {lead chromate}

Worst case species based on risk phrases

selenium {selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex}

Worst case species based on risk phrases

zinc {zinc chromate}

Worst case species based on risk phrases

Appendix C: Version

HazWasteOnline Classification Engine: **WM3 1st Edition v1.1, May 2018**

HazWasteOnline Classification Engine Version: 2020.44.4173.8310 (14 Feb 2020)

HazWasteOnline Database: 2020.44.4173.8310 (14 Feb 2020)

This classification utilises the following guidance and legislation:

WM3 v1.1 - Waste Classification - 1st Edition v1.1 - May 2018

CLP Regulation - Regulation 1272/2008/EC of 16 December 2008

1st ATP - Regulation 790/2009/EC of 10 August 2009

2nd ATP - Regulation 286/2011/EC of 10 March 2011

3rd ATP - Regulation 618/2012/EU of 10 July 2012

4th ATP - Regulation 487/2013/EU of 8 May 2013

Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013

5th ATP - Regulation 944/2013/EU of 2 October 2013

6th ATP - Regulation 605/2014/EU of 5 June 2014

WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014

Revised List of Wastes 2014 - Decision 2014/955/EU of 18 December 2014

7th ATP - Regulation 2015/1221/EU of 24 July 2015

8th ATP - Regulation (EU) 2016/918 of 19 May 2016

9th ATP - Regulation (EU) 2016/1179 of 19 July 2016

10th ATP - Regulation (EU) 2017/776 of 4 May 2017

HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017

13th ATP - Regulation (EU) 2018/1480 of 4 October 2018

POPs Regulation 2004 - Regulation 850/2004/EC of 29 April 2004

1st ATP to POPs Regulation - Regulation 756/2010/EU of 24 August 2010

2nd ATP to POPs Regulation - Regulation 757/2010/EU of 24 August 2010

Results - Single Stage WAC

Project: 19.12.021 Newbury

Chemtest Job No: 20-01588				Landfill Waste Acceptance Criteria			
Chemtest Sample ID: 955743				Limits			
Sample Ref: WAC							
Sample ID:							
Sample Location: TP02							
Top Depth(m): 0.5							
Bottom Depth(m):							
Sampling Date: 15-Jan-2020							
Determinand	SOP	Accred.	Units		Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Total Organic Carbon	2625	M	%	1.5	3	5	6
Loss On Ignition	2610	M	%	4.9	--	--	10
Total BTEX	2760	M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815	M	mg/kg	< 0.10	1	--	--
TPH Total WAC (Mineral Oil)	2670	M	mg/kg	27	500	--	--
Total (Of 17) PAH's	2700	N	mg/kg	11	100	--	--
pH	2010	M		8.8	--	>6	--
Acid Neutralisation Capacity	2015	N	mol/kg	0.012	--	To evaluate	To evaluate
Eluate Analysis			10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1450	U	0.0047	< 0.050	0.5	2	25
Barium	1450	U	0.011	< 0.50	20	100	300
Cadmium	1450	U	< 0.00010	< 0.010	0.04	1	5
Chromium	1450	U	0.0027	< 0.050	0.5	10	70
Copper	1450	U	0.0041	< 0.050	2	50	100
Mercury	1450	U	< 0.00050	< 0.0050	0.01	0.2	2
Molybdenum	1450	U	0.0014	< 0.050	0.5	10	30
Nickel	1450	U	< 0.0010	< 0.050	0.4	10	40
Lead	1450	U	0.0065	0.065	0.5	10	50
Antimony	1450	U	< 0.0010	< 0.010	0.06	0.7	5
Selenium	1450	U	< 0.0010	< 0.010	0.1	0.5	7
Zinc	1450	U	0.0032	< 0.50	4	50	200
Chloride	1220	U	2.0	20	800	15000	25000
Fluoride	1220	U	0.24	2.4	10	150	500
Sulphate	1220	U	3.1	31	1000	20000	50000
Total Dissolved Solids	1020	N	72	710	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	8.7	87	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	8.9

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - Single Stage WAC

Project: 19.12.021 Newbury

Chemtest Job No: 20-01588				Landfill Waste Acceptance Criteria			
Chemtest Sample ID: 955744				Limits			
Sample Ref: WAC					Inert Waste Landfill	Stable, Non- reactive hazardous waste in non- hazardous Landfill	Hazardous Waste Landfill
Sample ID:							
Sample Location: TP04							
Top Depth(m):							
Bottom Depth(m):							
Sampling Date: 15-Jan-2020							
Determinand	SOP	Accred.	Units				
Total Organic Carbon	2625	M	%	0.46	3	5	6
Loss On Ignition	2610	M	%	2.5	--	--	10
Total BTEX	2760	M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815	M	mg/kg	< 0.10	1	--	--
TPH Total WAC (Mineral Oil)	2670	M	mg/kg	18	500	--	--
Total (Of 17) PAH's	2700	N	mg/kg	8.1	100	--	--
pH	2010	M		8.3	--	>6	--
Acid Neutralisation Capacity	2015	N	mol/kg	0.022	--	To evaluate	To evaluate
Eluate Analysis			10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1450	U	0.0027	< 0.050	0.5	2	25
Barium	1450	U	0.0066	< 0.50	20	100	300
Cadmium	1450	U	0.00020	< 0.010	0.04	1	5
Chromium	1450	U	0.0025	< 0.050	0.5	10	70
Copper	1450	U	0.0034	< 0.050	2	50	100
Mercury	1450	U	0.00063	0.0063	0.01	0.2	2
Molybdenum	1450	U	< 0.0010	< 0.050	0.5	10	30
Nickel	1450	U	< 0.0010	< 0.050	0.4	10	40
Lead	1450	U	0.0038	0.038	0.5	10	50
Antimony	1450	U	< 0.0010	< 0.010	0.06	0.7	5
Selenium	1450	U	0.0016	0.016	0.1	0.5	7
Zinc	1450	U	0.0044	< 0.50	4	50	200
Chloride	1220	U	1.9	19	800	15000	25000
Fluoride	1220	U	0.76	7.6	10	150	500
Sulphate	1220	U	< 1.0	< 10	1000	20000	50000
Total Dissolved Solids	1020	N	64	640	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	11	110	500	800	1000

Solid Information

Dry mass of test portion/kg	0.090
Moisture (%)	6.4

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - Single Stage WAC

Project: 19.12.021 Newbury

Chemtest Job No: 20-01588				Landfill Waste Acceptance Criteria			
Chemtest Sample ID: 955745				Limits			
Sample Ref: WAC							
Sample ID:							
Sample Location: TP05							
Top Depth(m):							
Bottom Depth(m):							
Sampling Date: 15-Jan-2020							
Determinand	SOP	Accred.	Units		Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Total Organic Carbon	2625	M	%	0.94	3	5	6
Loss On Ignition	2610	M	%	3.0	--	--	10
Total BTEX	2760	M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815	M	mg/kg	< 0.10	1	--	--
TPH Total WAC (Mineral Oil)	2670	M	mg/kg	33	500	--	--
Total (Of 17) PAH's	2700	N	mg/kg	< 2.0	100	--	--
pH	2010	M		7.9	--	>6	--
Acid Neutralisation Capacity	2015	N	mol/kg	0.012	--	To evaluate	To evaluate
Eluate Analysis			10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1450	U	0.0022	< 0.050	0.5	2	25
Barium	1450	U	0.0052	< 0.50	20	100	300
Cadmium	1450	U	< 0.00010	< 0.010	0.04	1	5
Chromium	1450	U	< 0.0010	< 0.050	0.5	10	70
Copper	1450	U	0.0023	< 0.050	2	50	100
Mercury	1450	U	< 0.00050	< 0.0050	0.01	0.2	2
Molybdenum	1450	U	< 0.0010	< 0.050	0.5	10	30
Nickel	1450	U	< 0.0010	< 0.050	0.4	10	40
Lead	1450	U	0.0015	0.015	0.5	10	50
Antimony	1450	U	< 0.0010	< 0.010	0.06	0.7	5
Selenium	1450	U	0.0011	0.011	0.1	0.5	7
Zinc	1450	U	0.0017	< 0.50	4	50	200
Chloride	1220	U	1.2	12	800	15000	25000
Fluoride	1220	U	0.42	4.2	10	150	500
Sulphate	1220	U	< 1.0	< 10	1000	20000	50000
Total Dissolved Solids	1020	N	48	470	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	7.2	72	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	13

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

SOP	Title	Parameters included	Method summary
1020	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Conductivity Meter
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.
1450	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).
1610	Total/Dissolved Organic Carbon in Waters	Organic Carbon	TOC Analyser using Catalytic Oxidation
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.
2010	pH Value of Soils	pH	pH Meter
2015	Acid Neutralisation Capacity	Acid Reserve	Titration
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2610	Loss on Ignition	loss on ignition (LOI)	Determination of the proportion by mass that is lost from a soil by ignition at 550°C.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2670	Total Petroleum Hydrocarbons (TPH) in Soils by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO*TPH C8–C40	Dichloromethane extraction / GC-FID
2700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.
2815	Polychlorinated Biphenyls (PCB) ICES7Congeners in Soils by GC-MS	ICES7 PCB congeners	Acetone/Hexane extraction / GC-MS
640	Characterisation of Waste (Leaching C10)	Waste material including soil, sludges and granular waste	ComplianceTest for Leaching of Granular Waste Material and Sludge

Report Information

Key

- U UKAS accredited
- M MCERTS and UKAS accredited
- N Unaccredited
- S This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
- SN This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
- T This analysis has been subcontracted to an unaccredited laboratory
- I/S Insufficient Sample
- U/S Unsuitable Sample
- N/E not evaluated
- < "less than"
- > "greater than"

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



APPENDIX G

ENVIROCHECK DESK STUDY INFORMATION

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

230178532_1_1

Customer Reference:

19.12.021

National Grid Reference:

447200, 165220

Slice:

A

Site Area (Ha):

0.61

Search Buffer (m):

1000

Site Details:

Newbury College, Monks Lane
NEWBURY
RG14 7TD

Client Details:

Mrs J Taylor
Listers Geotechnical Consultants Ltd
Slapton Hill Barn
Blakesley Road
Slapton
Towcester
Northants
NN12 8QD

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	11
Hazardous Substances	-
Geological	18
Industrial Land Use	21
Sensitive Land Use	31
Data Currency	32
Data Suppliers	38
Useful Contacts	39

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client. In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes		n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1			3	5
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 3				3
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 3		1	1	
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 3		Yes		
Pollution Incidents to Controlled Waters	pg 4				2
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 4				4 (*7)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 7	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 7	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 7	Yes	n/a	n/a	n/a
Source Protection Zones	pg 7	1			
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 7		1	2	24

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 11			2	1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 11			1	4
Local Authority Landfill Coverage	pg 12	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 12			1	1
Potentially Infilled Land (Water)	pg 12				3
Registered Landfill Sites	pg 13			1	1
Registered Waste Transfer Sites	pg 14				5
Registered Waste Treatment or Disposal Sites	pg 16			1	2
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 18	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 18	Yes			
BGS Recorded Mineral Sites	pg 18			1	6
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 19	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 19	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 20	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 20	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 21		5	24	26
Fuel Station Entries	pg 25		2	2	
Points of Interest - Commercial Services	pg 26			3	11
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 27				3
Points of Interest - Public Infrastructure	pg 27			5	9
Points of Interest - Recreational and Environmental	pg 28		3	7	7
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland	pg 31		1	2	4
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 31				1
Ramsar Sites					
Sites of Special Scientific Interest	pg 31				1
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (SW)	0	1	447203 165221
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	167	1	447203 165000
1	Discharge Consents Operator: B R Feltham Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: 40 And 41 Monks Lane Newbury Berkshire Rg14 7he Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cawm.0244 Permit Version: 1 Effective Date: 11th October 2000 Issued Date: 31st October 2000 Revocation Date: 20th February 2002 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: A Tributary Of River Enborne Status: Consent revoked or revised: New Consent issued (Section 37(1)) Positional Accuracy: Located by supplier to within 10m	A13SW (W)	261	2	446870 165180
1	Discharge Consents Operator: Mr And Mrs G Smith Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: 40 And 41 Monks Lane Newbury Berkshire Rg14 7he Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cawm.0244 Permit Version: 1 Effective Date: 11th October 2000 Issued Date: 31st October 2000 Revocation Date: 20th February 2002 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: A Tributary Of River Enborne Status: Consent revoked or revised: New Consent issued (Section 37(1)) Positional Accuracy: Located by supplier to within 10m	A13SW (W)	261	2	446870 165180
2	Discharge Consents Operator: Ms Tracy Reilly Property Type: REAL ESTATE ACTIVITIES/BUYING/SELLING/RENTING Location: Household Waste Recycling Centre Newtown Road Newbury Berkshire Rg20 9ay Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Npswqd000879 Permit Version: 1 Effective Date: 20th March 2008 Issued Date: 20th March 2008 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Ground Waters Via Soakaway Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	431	2	447442 164796
3	Discharge Consents Operator: Ghe Homes Limited Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: 9 Houses Sandleford Farm Newton Road Newbury Berkshire Rg20 9bb Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Epreb3097nw Permit Version: 2 Effective Date: 21st July 2017 Issued Date: 21st July 2017 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Groundwater Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	613	2	447560 164655

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<p>Discharge Consents</p> <p>Operator: Uk Waste Management Property Type: WASTE COLLECTION/TREATMENT/DISPOSAL/MATERIALS RECOVERY Location: Newbury Civic Amenity Centre, Pinchington Lane, Newbury, Berks Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CTWC.2410 Permit Version: 1 Effective Date: 10th May 1988 Issued Date: 10th May 1988 Revocation Date: 30th June 2009 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Trib of River Enborne Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m</p>	A14SE (E)	664	2	447901 165001
5	<p>Discharge Consents</p> <p>Operator: Ghe Homes Limited Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: 9 Houses Sandleford Farm Newton Road Newbury Berkshire Rg20 9bb Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Epreb3097nw Permit Version: 1 Effective Date: 1st June 2017 Issued Date: 11th May 2016 Revocation Date: 20th July 2017 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Groundwater Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A9NW (SE)	698	2	447593 164575
6	<p>Discharge Consents</p> <p>Operator: A & J Bull (Solent) Ltd Property Type: WASTE COLLECTION/TREATMENT/DISPOSAL/MATERIALS RECOVERY Location: Waste Storage Building Pinchington Lane, Greenham, Near Newbury, Berkshire Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cawm.0115 Permit Version: 1 Effective Date: 20th January 2000 Issued Date: 27th January 2000 Revocation Date: 24th January 2014 Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: Lake Tributary River Enborne Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	717	2	447950 164980
7	<p>Discharge Consents</p> <p>Operator: Trustees For The Time Being Of St. Gabriel'S Property Type: EDUCATION/NURSERY/SCHOOL/COLLEGE/UNI/TRAINING VENUE Location: St Gabriels School, Sandleford Priory, Newbury, Berks Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CTCR.2065 Permit Version: 1 Effective Date: 2nd December 1983 Issued Date: 2nd December 1983 Revocation Date: 7th June 2004 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Enborne Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m</p>	A3NE (S)	983	2	447400 164200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	<p>Integrated Pollution Prevention And Control</p> <p>Name: Cleansing Service Group Limited Location: Csg Newbury Treatment Plant, Csg, Pinchington Lane,,Greenham, THATCHAM, Berkshire, RG19 8SR Authority: Environment Agency - South East Region, West Thames Area Permit Reference: CP3031FW Original Permit Ref: Cp3932md Effective Date: 30th October 2013 Status: Surrender Effective Application Type: Surrender App. Sub Type: Whole Positional Accuracy: Automatically positioned to the address Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 5.3 A(1) (B) Activity Description: Other Waste Disposal; Waste Oils Greater Than 10T/Day Primary Activity: Y</p>	A14SW (E)	602	2	447872 165133
8	<p>Integrated Pollution Prevention And Control</p> <p>Name: Cleansing Service Group Ltd Location: Pinchington Lane, Greenham, Thatcham, Berkshire, RG19 8SR Authority: Environment Agency, Thames Region Permit Reference: CP3932MD Original Permit Ref: Cp3932md Effective Date: 19th October 2007 Status: Effective Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 5.3 A(1) (B) Activity Description: Other Waste Disposal; Waste Oils Greater Than 10T/Day Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N</p>	A14SW (E)	602	2	447872 165133
8	<p>Integrated Pollution Prevention And Control</p> <p>Name: Cleansing Service Group Ltd Location: Csg Newbury Treatment Plant, Csg, Pinchington Lane,,Greenham, THATCHAM, Berkshire, RG19 8SR Authority: Environment Agency - South East Region, West Thames Area Permit Reference: CP3932MD Original Permit Ref: Cp3932md Effective Date: 19th October 2007 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Located by supplier to within 100m Activity Code: 5.3 A(1) (B) Activity Description: Other Waste Disposal; Waste Oils Greater Than 10T/Day Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N</p>	A14SE (E)	635	2	447900 165100
9	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Parkhouse Motor Company Location: Newtown Road, NEWBURY, Berkshire, RG14 7EX Authority: West Berkshire Council, Environmental Health Department Permit Reference: Not Given Dated: 28th January 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorisation revoked Positional Accuracy: Automatically positioned to the address</p>	A13NE (NE)	140	3	447321 165380
10	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Tesco Stores Ltd Location: Pinchington Lane, NEWBURY, Berkshire, RG14 7HB Authority: West Berkshire Council, Environmental Health Department Permit Reference: Vr18 Dated: 28th January 1999 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Manually positioned to the address or location</p>	A14SW (E)	329	3	447602 165169
	<p>Nearest Surface Water Feature</p>	A13SW (W)	245	-	446904 165106

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Pollution Incidents to Controlled Waters Property Type: Not Given Location: GREENHAM Authority: Environment Agency, Thames Region Pollutant: Chemicals - Unknown Note: Confirmed As A Pollution Incident Incident Date: 5th January 1993 Incident Reference: WE930006 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SE (E)	711	2	447951 165001
12	Pollution Incidents to Controlled Waters Property Type: Not Given Location: NEWBURY Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 22nd January 1992 Incident Reference: WE920054 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SE (E)	771	2	448000 164960
13	Water Abstractions Operator: Sandleford Estate Partnership Licence Number: 28/39/22/0482 Permit Version: 101 Location: Trib Of Enborne At Sandleford Farm 'A' Authority: Environment Agency, Thames Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Reservoir 'A' At Sandleford Farm Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 1st April 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	739	2	446700 164600
13	Water Abstractions Operator: Sandleford Estate Partnership Licence Number: 28/39/22/0482 Permit Version: 100 Location: Trib Of Enborne At Sandleford Farm 'A' Authority: Environment Agency, Thames Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 909 Yearly Rate (m3): 32004 Details: Reservoir 'A' At Sandleford Farm Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 1st February 1987 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	739	2	446700 164600
14	Water Abstractions Operator: Sandleford Estate Partnership Licence Number: 28/39/22/0482 Permit Version: 101 Location: Trib Of Enborne At Sandleford Farm 'B' Authority: Environment Agency, Thames Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Reservoir 'B' At Sandleford Farm Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 1st April 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	805	2	446500 164700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	<p>Water Abstractions</p> <p>Operator: Sandleford Estate Partnership Licence Number: 28/39/22/0482 Permit Version: 100 Location: Trib Of Enborne At Sandleford Farm 'B' Authority: Environment Agency, Thames Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Reservoir 'B' At Sandleford Farm Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 1st February 1987 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A7NW (SW)	805	2	446500 164700
	<p>Water Abstractions</p> <p>Operator: Crest Homes (South) Ltd Licence Number: 28/39/22/0606 Permit Version: 1 Location: Former Sunlight Laundry, York Road, Maidenhead Authority: Environment Agency, Thames Region Abstraction: Environmental: Pump & Treat: Pollution Remediation Abstraction Type: Water may be abstracted from any point within an area Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Former Sunlight Laundry, York Road, Newbury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 5th June 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A24SW (N)	1373	2	447680 166560
	<p>Water Abstractions</p> <p>Operator: The Newbury Racecourse Plc Licence Number: 28/39/22/0131 Permit Version: 100 Location: Newbury Racecourse Authority: Environment Agency, Thames Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 909 Yearly Rate (m3): 68190 Details: Newbury Racecourse Authorised Start: 01 March Authorised End: 30 November Permit Start Date: 24th January 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A25NW (NE)	1899	2	448500 166700
	<p>Water Abstractions</p> <p>Operator: Newbury & Crookham Golf Club Licence Number: 28/39/22/0641 Permit Version: 1 Location: Newbury & Crookham Golf Club - Borehole Authority: Environment Agency, Thames Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 1st August 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(E)	1927	2	449200 165400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Newbury & Crookham Golf Club Licence Number: 28/39/22/0641 Permit Version: 1 Location: Newbury & Crookham Golf Club - Borehole Authority: Environment Agency, Thames Region Abstraction: Golf Courses: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 28 February Permit Start Date: 1st August 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(E)	1927	2	449200 165400
	<p>Water Abstractions</p> <p>Operator: Newbury & Crookham Golf Club Licence Number: 28/39/22/0633 Permit Version: 101 Location: Newbury & Crookham Golf Club - Borehole Authority: Environment Agency, Thames Region Abstraction: Golf Courses: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 28 February Permit Start Date: 1st January 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(E)	1927	2	449200 165400
	<p>Water Abstractions</p> <p>Operator: Newbury & Crookham Golf Club Licence Number: 28/39/22/0633 Permit Version: 101 Location: Newbury & Crookham Golf Club - Borehole Authority: Environment Agency, Thames Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Newbury & Crookham Golf Club Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 1st January 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(E)	1927	2	449200 165400
	<p>Water Abstractions</p> <p>Operator: Newbury & Crookham Golf Club Licence Number: 28/39/22/0568 Permit Version: 100 Location: Newbury & Crookham Golf Club Authority: Environment Agency, Thames Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 160 Yearly Rate (m3): 19200 Details: Newbury & Crookham Golf Club Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 14th March 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(E)	1927	2	449200 165400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Mixed Dilution: 300-550 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: 3-10m Superficial Recharge: No Data	A13NW (SW)	0	4	447203 165221
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NW (SW)	0	4	447203 165221
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NW (SW)	0	4	447203 165221
15	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A13NW (SW)	0	2	447203 165221
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
16	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 201.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13SW (W)	245	5	446904 165106
17	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 136.0 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13SW (SW)	269	5	446951 165001
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 115.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8NW (SW)	390	5	446929 164866

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8NW (SW)	503	5	446891 164758
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 130.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8NW (SW)	550	5	446887 164707
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18SW (NW)	641	5	446893 165848
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8NW (SW)	671	5	446882 164577
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 87.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18NW (NW)	698	5	446899 165912
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 380.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A7NE (SW)	714	5	446766 164586
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 81.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A7NE (SW)	715	5	446766 164586
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 116.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A7NE (SW)	715	5	446815 164557
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 616.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A7SE (SW)	725	5	446866 164526

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A14SE (SE)	736	5	447923 164878
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A9NE (SE)	749	5	447900 164814
30	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 24.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A9NE (SE)	751	5	447899 164811
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A9NE (SE)	755	5	447889 164788
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 66.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A9NE (SE)	757	5	447888 164784
33	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 32.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A9NE (SE)	758	5	447921 164831
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 75.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A9NW (SE)	774	5	447861 164723
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 88.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18NW (NW)	803	5	446872 166014
36	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 269.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Brown's Pond Catchment Name: Thames Primacy: 1	A9NW (SE)	817	5	447855 164649

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 213.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A19NW (NE)	820	5	447558 166018
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A17NE (N)	890	5	446850 166098
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 95.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A17NE (N)	901	5	446846 166109
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 40.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8SE (S)	944	5	447402 164240
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 85.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A3NE (S)	984	5	447403 164200
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 230.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A9SW (SE)	1000	5	447859 164395

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	<p>Historical Landfill Sites</p> <p>Licence Holder: A E Genet (Berkshire) Limited Location: Greenham, Berkshire Name: Pinchington Lane Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD13782 First Input Date: 31st December 1970 Last Input Date: 31st December 1990 Specified Waste Type: Deposited Waste included Inert, Industrial, Commercial, Household and Special Waste, and Liquid Sludge EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 0340/0386 BGS Ref: Not Supplied Other Ref: NEW29, TP0055, 54/12/4/136</p>	A14NW (E)	307	2	447585 165266
44	<p>Historical Landfill Sites</p> <p>Licence Holder: Not Supplied Location: Greenham, Berkshire Name: Pinchington Lane Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD13784 First Input Date: 31st December 1970 Last Input Date: 31st December 1990 Specified Waste Type: Deposited Waste included Inert, Industrial, Commercial, Household and Special Waste, and Liquid Sludge EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 0340/0393 BGS Ref: Not Supplied Other Ref: WDA338, TP0055, NEW29, 54/12/4/136</p>	A14NW (E)	419	2	447698 165260
45	<p>Historical Landfill Sites</p> <p>Licence Holder: Not Supplied Location: Greenham, Berkshire Name: SCC Pyle Hill Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD13781 First Input Date: 31st December 1977 Last Input Date: 31st December 1980 Specified Waste Type: Deposited Waste included Inert and Industrial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 0340/0384 BGS Ref: Not Supplied Other Ref: NEW30, 54/12/4/54, TP0064</p>	A19SW (NE)	617	2	447774 165614
46	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 100435 Location: Newton Road H W R C, Newtown Road, Newbury, Berkshire, RG20 9BB Operator Name: Veolia E S West Berkshire Ltd Operator Location: Not Supplied Authority: Environment Agency - South East Region, West Thames Area Site Category: Household Waste Amenity Sites Licence Status: Modified Issued: 24th September 2008 Last Modified: 7th August 2009 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A8NE (SE)	498	2	447446 164722
47	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 86043 Location: Pinchington Lane, Greenham, Newbury, Berkshire, RG19 8SR Operator Name: Cleansing Service Group Ltd Operator Location: Not Supplied Authority: Environment Agency - Thames Region, West Area Site Category: Physical Treatment Facilities Licence Status: Revoked Issued: 8th April 1991 Last Modified: 30th June 1997 Expires: Not Supplied Suspended: Not Supplied Revoked: 24th February 2010 Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A14SW (E)	602	2	447872 165132

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
47	Licensed Waste Management Facilities (Locations) Licence Number: 86006 Location: Civic Amenity Site, Pinchington Lane, Newbury, Berkshire, RG14 7HB Operator Name: U K Waste Management Ltd Operator Location: Not Supplied Authority: Environment Agency - South East Region, West Thames Area Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Surrendered Issued: 28th April 1993 Last Modified: 16th June 2000 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 28th January 2009 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14SE (E)	635	2	447900 165100
47	Licensed Waste Management Facilities (Locations) Licence Number: 86009 Location: Oak Tree Edge, Pinchington Lane, Newbury, Berkshire, RG14 7SR Operator Name: W Boulton Operator Location: Not Supplied Authority: Environment Agency - South East Region, West Thames Area Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Surrendered Issued: 20th July 1992 Last Modified: 13th June 1995 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 23rd July 1999 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14SE (E)	635	2	447900 165100
48	Licensed Waste Management Facilities (Locations) Licence Number: 101898 Location: Monks Lane, Newbury, Berkshire, RG14 7RW Operator Name: Earthline Ltd Operator Location: Not Supplied Authority: Environment Agency - South East Region, West Thames Area Site Category: Use of waste in a deposit for recovery op Licence Status: Issued Issued: 22nd March 2011 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12SW (W)	662	2	446500 165000
	Local Authority Landfill Coverage Name: West Berkshire Unitary Council - Has no landfill data to supply		0	3	447203 165221
49	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A14NW (NE)	448	-	447680 165443
50	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A11NE (W)	987	-	446189 165508
51	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1961	A18NE (N)	750	-	447229 166004
52	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1961	A18NE (N)	844	-	447430 166077
53	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A17SW (NW)	887	-	446399 165741

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	<p>Registered Landfill Sites</p> <p>Licence Holder: A E Genet (Berkshire) Ltd Licence Reference: 54/12/4/136 Site Location: North Side, Pinchington Lane, Newbury, Berkshire Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: Mead Lane, CHERTSEY, Surrey, KT6 8NL Authority: Environment Agency - Thames Region, West Area Site Category: Landfill Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 6th August 1981 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate Authorised Waste: Animal Processing Wastes Asbestos Cellulose Wastes (Natural/Synth.) Commercial Waste Contaminated Rubbish/Bags/Sacks Distillation Residues Empty Used Containers Excavated Natural Materials \$ Food Processing Wastes/Starch Glue Wastes Hardcore And Rubble Household Waste Industrial Wastes Iron Compounds Metal Scrap Mineral Processing Wastes Other Industrial Wastes Other Inorganic Materials Other Non-Toxic Metal Compounds Paint Waste \$ Pharmaceutical/Cosmetic Products Silt And Dredgings Slag, Boiler/Flue Cleanings Soaps & Detergents Tar, Pitch, Bitumen, Asphalts Waste Treated Timber</p>	A14NW (E)	304	2	447583 165260
55	<p>Registered Landfill Sites</p> <p>Licence Holder: Surrey C.C. Licence Reference: 54/12/4/ 54 Site Location: Pyle Hill, Newbury, Berkshire Licence Easting: 447900 Licence Northing: 165650 Operator Location: As Site Address Authority: Environment Agency - Thames Region, West Area Site Category: Landfill Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: Not Supplied Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Inert Waste Old Licence - Wastes Not To Hand</p>	A19SE (NE)	741	2	447900 165650

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	<p>Registered Waste Transfer Sites</p> <p>Licence Holder: A E Genet (Berkshire) Ltd Licence Reference: 54/12/4/138 Site Location: Pinchington Lane, Newbury, Berkshire Operator Location: Mead Lane, CHERTSEY, Surrey, KT6 8NL Authority: Environment Agency - Thames Region, West Area Site Category: Civic Amenity Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 6th August 1981 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Civic Amenity/Refuse Amenity Waste</p>	A14NW (E)	524	2	447800 165300
57	<p>Registered Waste Transfer Sites</p> <p>Licence Holder: C A & W C Boulton t/a Boulton Bins Licence Reference: 54/12/4/264 Site Location: Oak Tree Edge, Pinchington Lane, NEWBURY, Berkshire, RG14 7SR Operator Location: As Site Address Authority: Environment Agency - Thames Region, West Area Site Category: Transfer Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Licence has completion certificateSurrendered Dated: 20th July 1992 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Approximate location provided by supplier Boundary Quality: Not Supplied Authorised Waste: House, Com + Ind.Waste Max.Storage Max.Waste Permitted By Licence Prohibited Waste: Carcasses And Flesh Clinical - As In Coll/Disp.Reg. Of '88 Contaminated Soil Liquid/Sludge Wastes May React Give Danger -Fire/Explos/Gas Special Wastes Waste N.O.S. Waste With Flash Pt < 40 C</p>	A14SE (E)	636	2	447900 165095
58	<p>Registered Waste Transfer Sites</p> <p>Licence Holder: Uk Waste Management Ltd Licence Reference: 54/12/4/272 Site Location: Pinchington Lane, Newbury, Berkshire, Rg14 7hb Operator Location: Rixton Old Hall, Manchester Road, Rixton, WARRINGTON, Cheshire, WA3 6EW Authority: Environment Agency - Thames Region, West Area Site Category: Civic Amenity - with transfer Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 16th June 1999 Preceded By: 54/12/4/272 Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Dry, Solid Commercial & Industrial Waste Maximum Waste Permitted By Licence Prohibited Waste: Clinical - As In Control.Led Waste Regs 1992 Other Waste/Waste Not Otherwise Specified Special Waste (As In Epa 1990:S62 Of 1996 Regs)</p>	A14SE (E)	641	2	447890 165040

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
58	<p>Registered Waste Transfer Sites</p> <p>Licence Holder: Uk Waste Management Ltd Licence Reference: 54/12/4/272 Site Location: Pinchington Lane, Newbury, Berkshire, Rg14 7hb Operator Location: Windsor House, 1270 London Road, Norbury, LONDON, Greater London, SW16 Authority: Environment Agency - Thames Region, West Area Site Category: Civic Amenity - with transfer Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Record supersededSuperseded Dated: 28th April 1993 Preceded By: 54/12/5/ 33 Licence: Superseded By: 54/12/4/272 Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Dry, Solid Com./Ind. Waste Max.Waste Permitted By Licence Refuse Amenity Act'78 Waste Prohibited Waste: Clinical - As In Control.Waste Regs'92 Difficult Wastes (As In Wmp.26) Special Wastes Environment Agency Household Waste Not Deliv.By Public must give specific authorisation for this waste to be acceptedWaste requires prior approval</p>	A14SE (E)	641	2	447890 165040
58	<p>Registered Waste Transfer Sites</p> <p>Licence Holder: Berkshire C.C. Licence Reference: 54/12/5/ 33 Site Location: Pinchington Lane (South Side), Newbury, Berkshire Operator Location: Shire Hall, Shinfield Park, READING, Berkshire, RG2 9XG Authority: Environment Agency - Thames Region, West Area Site Category: Civic Amenity Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Licence Status: Record supersededSuperseded Dated: 1st February 1988 Preceded By: Not Given Licence: Superseded By: 54/12/4/272 Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Cans For Recycling Civic Amenity/Refuse Amenity Waste Dom./Com./Ind.Waste Deliv'D By Public Glass For Recycling Hard Asbestos Oil For Recycling Paper For Recycling Rags For Recycling Selected Com./Ind. Waste Ex Local Trad Prohibited Waste: Difficult Wastes Special Wastes</p>	A14SE (E)	641	2	447890 165040

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
59	<p>Registered Waste Treatment or Disposal Sites</p> <p>Licence Holder: West Berkshire Priority Care Servs. Licence Reference: 54/12/4/294 Site Location: Sandford Hospital, 214 Newtown Road, Newbury, Berkshire Operator Location: Prospect Park Hospital, Honey End Lane, READING, Berkshire, RG3 4EJ Authority: Environment Agency - Thames Region, West Area Site Category: Incineration - with transfer Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st August 1993 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Ash/Residues From On-Site Incin. Clinical - As In Control.Waste Regs'92 Confidential Paper/Cardboard/Plastic Household Waste From Within Hosp. Pharmaceuticals Inc. Controlled Drugs Prohibited Waste: Liquid Waste Other Than Clinical Radioactive Wastes Special Wastes Other Than Clinical Waste Not Permit.Under Epa Auth'N Waste- Danger By Fire/Explos./Fume/Gas Environment Agency Waste N.O.S. must give specific authorisation for this waste to be acceptedWaste requires prior approval</p>	A13NE (N)	305	2	447310 165550
60	<p>Registered Waste Treatment or Disposal Sites</p> <p>Licence Holder: Cleansing Service Group Ltd Licence Reference: 54/12/4/232 Site Location: CSG at Pinchington Lane, NEWBURY, Berkshire, RG14 7SR Operator Location: Grange Road, Botley, SOUTHAMPTON, Hampshire, SO3 2GD Authority: Environment Agency - Thames Region, West Area Site Category: Transfer - with treatment Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 1st June 1997 Preceded By: 54/12/4/232 Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Acid Anhydrides Aliphatic Acids Alkali Metal Oxides/Hydroxides Ammonia Aromatic Acids Food Processing Wastes/Starch Hydrochloric Acid Interceptor Pit Wastes Landfill Leachates Max.Storage In Licence Max.Waste Permitted By Licence Mildly Acidic Wastes Mildly Alkaline Wastes Oil/Water Mixtures (Special 1996 Regs) Other Alkalis Other Industrial Wastes Paint Waste Phosphoric Acid Soaps & Detergents Sulphuric Acid Tank Cleaning Sludge Tanker Cleaning Sludges/Solids Water (Contaminated) Prohibited Waste: Spec.Waste (Epa'90:S62/1996 Regs)N.O.S Waste N.O.S.</p>	A14SE (E)	729	2	447970 165000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
60	<p>Registered Waste Treatment or Disposal Sites</p> <p>Licence Holder: Cleansing Service Group Ltd Licence Reference: 54/12/4/232 Site Location: CSG at Pinchington Lane, NEWBURY, Berkshire, RG14 7SR Operator Location: Grange Road, Botley, SOUTHAMPTON, Hampshire, SO3 2GD Authority: Environment Agency - Thames Region, West Area Site Category: Recovery - Oil Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year)</p> <p>Waste Source: No known restriction on source of waste Restrictions: Licence Status: Record supersededSuperseded Dated: 8th April 1991 Preceded By: Not Given Licence: Superseded By: 54/12/4/232 Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Acid Anhydrides Aliphatic Acids Alkali Metal Oxides/Hydroxides Ammonia Aromatic Acids Food Processing Wastes/Starch Hydrochloric Acid Interceptor Pit Wastes Max.Storage In Licence Max.Waste Permitted By Licence Oil/Water Mixtures Other Alkalis Other Industrial Wastes Paint Waste Phosphoric Acid Soaps & Detergents Sulphuric Acid Tank Cleaning Sludge Water (Contaminated)</p> <p>Prohibited Waste: Waste With Ph < 3 Waste With Ph > 13 Environment Agency Waste N.O.S. must give specific authorisation for this waste to be acceptedWaste requires prior approval</p>	A14SE (E)	729	2	447970 165000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Thames Group	A13NW (SW)	0	1	447203 165221
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (SW)	0	1	447203 165221
61	BGS Recorded Mineral Sites Site Name: Workhouse Gravel Pit Location: Newbury, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 141917 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Silchester Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A18SE (N)	448	1	447333 165692
62	BGS Recorded Mineral Sites Site Name: Greenham Hill Gravel Pit Location: Newbury, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 141918 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Silchester Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	624	1	447729 165678
63	BGS Recorded Mineral Sites Site Name: Greenham Hill Gravel Pit Location: Greenham, Newbury, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 141921 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Silchester Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	714	1	447900 165597
64	BGS Recorded Mineral Sites Site Name: Sandleford Priory Pit Location: Greenham, Newbury, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 141932 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Palaeogene Geology: London Clay Formation Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	754	1	447942 164875

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
65	BGS Recorded Mineral Sites Site Name: Greenham Hill Gravel Pit Location: Greenham, Newbury, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 141920 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Silchester Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	819	1	447989 165652
66	BGS Recorded Mineral Sites Site Name: Lodge Gravel Pit Location: Greenham, Newbury, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 141919 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Silchester Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A14SE (E)	910	1	448188 165191
67	BGS Recorded Mineral Sites Site Name: Edgecombe Brick Works Location: Newbury, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 141866 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Palaeogene Geology: London Clay Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A11NE (W)	996	1	446181 165514
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	447203 165221
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	167	1	447203 165000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	447203 165221
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	167	1	447203 165000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	447203 165221
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	167	1	447203 165000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	447203 165221

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	167	1	447203 165000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	447203 165221
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	32	1	447187 165151
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	167	1	447203 165000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	197	1	447112 165000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	250	1	447518 165316
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	447197 165235
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	447203 165221
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	167	1	447203 165000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	192	1	447318 165000
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	447203 165221
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	447203 165221

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
68	<p>Contemporary Trade Directory Entries</p> <p>Name: Olive Of Newbury Location: 4, Sandleford Parade, Newtown Road, Newbury, Berkshire, RG14 7EY Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A13NE (NE)	94	-	447328 165327
69	<p>Contemporary Trade Directory Entries</p> <p>Name: Alan Gibson Ltd Location: Newtown Rd, Newbury, Berkshire, RG14 7EX Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A13NE (NE)	136	-	447319 165377
69	<p>Contemporary Trade Directory Entries</p> <p>Name: A4 Location: The Showroom, Newtown Road, Newbury, RG14 7EX Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A13NE (NE)	140	-	447327 165378
70	<p>Contemporary Trade Directory Entries</p> <p>Name: Newbury Cleaners Location: 2, Rokeby Close, Newbury, Berkshire, RG14 7EU Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A13NE (NE)	196	-	447311 165440
71	<p>Contemporary Trade Directory Entries</p> <p>Name: Powerhouse Location: Unit 3, Newbury Retail Park, Pinchington Lane, Newbury, Berkshire, RG14 7HU Classification: Electricity Companies Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A13NE (NE)	249	-	447469 165405
71	<p>Contemporary Trade Directory Entries</p> <p>Name: P R G Powerhouse Location: Unit 5, Newbury Retail Park, Pinchington Lane, Newbury, Berkshire, RG14 7HU Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A13NE (NE)	277	-	447472 165445
72	<p>Contemporary Trade Directory Entries</p> <p>Name: Jp Of Newbury Location: Newtown Rd, Newbury, Berkshire, RG14 7ER Classification: Car Dealers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location</p>	A13NE (N)	294	-	447274 165542
72	<p>Contemporary Trade Directory Entries</p> <p>Name: Sandleford Hospital Location: 214, Newtown Road, Newbury, Berkshire, RG14 7ED Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A18SE (N)	316	-	447315 165561
73	<p>Contemporary Trade Directory Entries</p> <p>Name: Air Tempretures Controlled Ltd Location: Santon, Chandos Road, Newbury, Berkshire, RG14 7EP Classification: Air Conditioning Equipment & Systems Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A18SE (N)	313	-	447214 165567
74	<p>Contemporary Trade Directory Entries</p> <p>Name: Tesco Petrol Filling Station Location: Newbury Retail Park, Pinchington Lane, NEWBURY, Berkshire, RG14 7HU Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14SW (E)	328	-	447576 165094
75	<p>Contemporary Trade Directory Entries</p> <p>Name: Tesco Petrol Station Location: Pinchington Lane, Newbury, Berkshire, RG14 7HB Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address</p>	A14SW (E)	336	-	447605 165154

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
76	Contemporary Trade Directory Entries Name: Currys Pc World Location: Unit 11, Newbury Retail Park, Pinchington Lane, Newbury, RG14 7HU Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address	A14NW (E)	366	-	447635 165329
77	Contemporary Trade Directory Entries Name: Ridgeway Audi Location: The Triangle, Newbury, Berkshire, RG14 7HT Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	368	-	447645 165192
77	Contemporary Trade Directory Entries Name: Marshall Volkswagen Newbury Location: The Triangle, Newbury, Berkshire, RG14 7HT Classification: Car Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (E)	368	-	447645 165192
78	Contemporary Trade Directory Entries Name: Mitsubishi Motors Location: The Triangle, Newbury, Berkshire, RG14 7HT Classification: Car Dealers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14SW (E)	420	-	447689 165142
79	Contemporary Trade Directory Entries Name: Think Ford Location: The Triangle, Newbury, RG14 7HT Classification: Car Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (E)	426	-	447678 165083
79	Contemporary Trade Directory Entries Name: Gowrings Ford Of Newbury Location: The Triangle, Newbury, Berkshire, RG14 7HT Classification: Car Customisation & Conversion Specialists Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	429	-	447682 165085
79	Contemporary Trade Directory Entries Name: Gowrings Of Newbury Location: The Triangle, NEWBURY, Berkshire, RG14 7HT Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	429	-	447682 165085
79	Contemporary Trade Directory Entries Name: Rapid Fit Location: The Triangle, Newbury, Berkshire, RG14 7HT Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	429	-	447682 165085
79	Contemporary Trade Directory Entries Name: Gowrings Of Newbury Location: The Triangle, Newbury, Berkshire, RG14 7HT Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	429	-	447682 165085
80	Contemporary Trade Directory Entries Name: Volkswagen Group Uk Ltd Location: The Triangle, Newbury, Berkshire, RG14 7HT Classification: Car Dealers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14SW (E)	426	-	447696 165144
80	Contemporary Trade Directory Entries Name: City Renault Location: The Triangle, Newbury, Berkshire, RG14 7HT Classification: Car Dealers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14SW (E)	431	-	447701 165145
80	Contemporary Trade Directory Entries Name: Marshall'S Newbury Location: The Triangle, Newbury, Berkshire, RG14 7HT Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	472	-	447738 165122

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
81	Contemporary Trade Directory Entries Name: Fawcetts Honda Location: The Triangle, Newbury, Berkshire, RG14 7HT Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	434	-	447712 165195
81	Contemporary Trade Directory Entries Name: Fawcett'S Garage Location: The Triangle, Newbury, Berkshire, RG14 7HT Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	434	-	447712 165195
81	Contemporary Trade Directory Entries Name: Fawcett'S Garage Location: The Triangle, Newbury, RG14 7HT Classification: Car Customisation & Conversion Specialists Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (E)	437	-	447714 165191
81	Contemporary Trade Directory Entries Name: Snows Peugeot Location: The Triangle, Newbury, Berkshire, RG14 7HT Classification: Car Dealers Status: Active Positional Accuracy: Manually positioned within the geographical locality	A14SW (E)	437	-	447714 165191
82	Contemporary Trade Directory Entries Name: Motorline Nissan Location: The Triangle, Newbury, Berkshire, RG14 7HT Classification: Car Dealers - Used Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (E)	489	-	447766 165185
83	Contemporary Trade Directory Entries Name: Stonecraft Drives Ltd Location: Unit 1 ,Monks Lane Service Station, Newbury, Berkshire, RG14 7ER Classification: Asphalt & Coated Macadam Laying Contractors Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A12NE (W)	499	-	446632 165216
84	Contemporary Trade Directory Entries Name: Lushglen Exterior Furniture Renovation Services Location: 5, The Halters, Newbury, Berkshire, RG14 7XF Classification: Furniture - Repairing & Restoring Status: Active Positional Accuracy: Automatically positioned to the address	A14NW (NE)	513	-	447737 165476
85	Contemporary Trade Directory Entries Name: Absolute Cleaning Ltd Location: 38, Christie Heights, Newbury, Berkshire, RG14 7UR Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A14NW (NE)	532	-	447722 165540
85	Contemporary Trade Directory Entries Name: Absolute Cleaning Ltd Location: 38, Christie Heights, Newbury, Berkshire, RG14 7UR Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (NE)	532	-	447722 165540
86	Contemporary Trade Directory Entries Name: Newbury Honda Location: The Triangle, Newbury, RG14 7HT Classification: Car Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (E)	550	-	447825 165166
87	Contemporary Trade Directory Entries Name: M C Autos Location: Thatcham, RG19 8SR Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (E)	574	-	447840 165112
87	Contemporary Trade Directory Entries Name: Cleansing Service Group Ltd Location: Pinchington Lane, Greenham, Thatcham, Berkshire, RG19 8SR Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	600	-	447871 165133

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
87	<p>Contemporary Trade Directory Entries</p> <p>Name: Cleansing Service Group Ltd Location: Pinchington Lane, Greenham, Thatcham, RG19 8SR Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14SW (E)	601	-	447872 165133
88	<p>Contemporary Trade Directory Entries</p> <p>Name: Cleanrug Location: 31, Sandeiford Lane, Greenham, Thatcham, Berkshire, RG19 8XQ Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14SW (E)	584	-	447812 164996
89	<p>Contemporary Trade Directory Entries</p> <p>Name: Pirouet T R Location: 11, Croft Road, Newbury, Berkshire, RG14 7AL Classification: Farriers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A18SW (NW)	586	-	446883 165783
90	<p>Contemporary Trade Directory Entries</p> <p>Name: Coolglaze Ltd Location: 12, Three Acre Road, Newbury, Berkshire, RG14 7AN Classification: Window Film Manufacturers and Dealers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	623	-	446726 165720
91	<p>Contemporary Trade Directory Entries</p> <p>Name: Newbury Steam Team Location: 11, Hamilton Court, Newbury, Berkshire, RG14 7UH Classification: Ironing & Home Laundry Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A18SE (NE)	629	-	447497 165837
92	<p>Contemporary Trade Directory Entries</p> <p>Name: Spectank Location: Sandeiford, Newtown, Newbury, Berkshire, RG20 9BB Classification: Cleaning Materials & Equipment Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p>	A9NW (SE)	638	-	447575 164635
93	<p>Contemporary Trade Directory Entries</p> <p>Name: Spectank Ltd Location: 4, Sandeiford, Newtown, Newbury, RG20 9BB Classification: Cleaning Materials & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A8NE (SE)	641	-	447521 164599
94	<p>Contemporary Trade Directory Entries</p> <p>Name: C M A Cleaning Services Location: 34, Sayers Close, Newbury, Berkshire, RG14 7UU Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14NW (NE)	647	-	447849 165550
95	<p>Contemporary Trade Directory Entries</p> <p>Name: Stephen Pummell Antique Furniture Restorations Location: 16, Meadow Road, Newbury, Berkshire, RG14 7AH Classification: Furniture - Repairing & Restoring Status: Active Positional Accuracy: Automatically positioned to the address</p>	A18NW (NW)	705	-	446890 165917
96	<p>Contemporary Trade Directory Entries</p> <p>Name: John French Location: Unit 167 Greenham Air Base, Greenham Common, Newbury, Berkshire, RG14 7JH Classification: Screen Process Printers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p>	A14NE (E)	747	-	448014 165376
97	<p>Contemporary Trade Directory Entries</p> <p>Name: Rivar Sand & Gravel Ltd Location: Pinchington Lane, Greenham, Thatcham, Berkshire, RG19 8SR Classification: Sand, Gravel & Other Aggregates Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14SE (E)	750	-	447998 165022

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
98	<p>Contemporary Trade Directory Entries</p> <p>Name: Hampton Ventilation Ltd Location: 129, Andover Road, Newbury, Berkshire, RG14 6JJ Classification: Ventilators & Ventilation Systems Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A17SW (NW)	774	-	446440 165580
99	<p>Contemporary Trade Directory Entries</p> <p>Name: Country Helpline Location: 171, Greenham Road, Newbury, Berkshire, RG14 7TA Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A19SW (NE)	808	-	447859 165809
99	<p>Contemporary Trade Directory Entries</p> <p>Name: Hands On Cleaning Co Location: 171, Greenham Road, Newbury, Berkshire, RG14 7TA Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A19SW (NE)	808	-	447859 165809
100	<p>Contemporary Trade Directory Entries</p> <p>Name: Recycling Solutions Location: 10, Night Owls, Greenham, Thatcham, Berkshire, RG19 8SB Classification: Reclaiming - Waste Products Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14NE (E)	827	-	448105 165299
101	<p>Contemporary Trade Directory Entries</p> <p>Name: Greenwood Garages Location: 6, The Cedars, Newbury, Berkshire, RG14 7AA Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A14NE (E)	876	-	448155 165287
102	<p>Contemporary Trade Directory Entries</p> <p>Name: Pestuk Newbury Location: 15, Paddock Road, Newbury, Berkshire, RG14 7DL Classification: Pest & Vermin Control Status: Active Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	887	-	446907 166114
103	<p>Contemporary Trade Directory Entries</p> <p>Name: Wheeler Pumps & Equipment Ltd Location: 3, Courtlands Road, Newbury, RG14 7LA Classification: Pump Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	916	-	447643 166087
104	<p>Contemporary Trade Directory Entries</p> <p>Name: Creases Complete Ironing Service Location: 19, Montgomery Road, Newbury, Berkshire, RG14 6HT Classification: Ironing & Home Laundry Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A17SW (NW)	976	-	446279 165710
105	<p>Contemporary Trade Directory Entries</p> <p>Name: D F S Restorations Ltd Location: 12, Porchester Road, Newbury, RG14 7QJ Classification: Furniture - Repairing & Restoring Status: Active Positional Accuracy: Automatically positioned to the address</p>	A23SW (N)	980	-	447144 166238
106	<p>Fuel Station Entries</p> <p>Name: Newtown Road Service Station Location: Newtown Road , , Newbury, West Berkshire, RG14 7ER Brand: Bp Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address</p>	A13NE (NE)	89	-	447282 165336
107	<p>Fuel Station Entries</p> <p>Name: Newtown Road Filling Station Location: Newtown Road , , Newbury, West Berkshire, RG14 7EX Brand: Total Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address</p>	A13NE (NE)	140	-	447321 165380

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
108	Fuel Station Entries Name: Gowrings Of Newbury Ltd Location: Greenham Road , , Newbury, West Berkshire, RG14 7HR Brand: OBSOLETE Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Manually positioned to the address or location	A14SW (E)	336	-	447605 165153
108	Fuel Station Entries Name: Tesco Newbury Extra Location: Pinchington Lane , Greenham , Newbury, West Berkshire, RG14 7HB Brand: Tesco Extra Premises Type: Hypermarket Status: Open Positional Accuracy: Manually positioned to the address or location	A14SW (E)	338	-	447607 165153
109	Points of Interest - Commercial Services Name: City Motor Holdings Location: The, Triangle, Newbury, RG14 7HT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (E)	423	6	447676 165087
109	Points of Interest - Commercial Services Name: Rapid Fit Location: The Triangle, Newbury, RG14 7HT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (E)	429	6	447682 165085
110	Points of Interest - Commercial Services Name: Fawcett's Garage Location: The Triangle, Newbury, RG14 7HT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (E)	437	6	447714 165191
111	Points of Interest - Commercial Services Name: M C Autos Location: Deadmans Lane, Greenham, Thatcham, RG19 8XS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (E)	573	6	447839 165113
111	Points of Interest - Commercial Services Name: M C Autos Location: Pinchington Lane, Greenham, Thatcham, RG19 8SR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (E)	574	6	447840 165112
112	Points of Interest - Commercial Services Name: Pirouet T R Location: 11 Croft Road, Newbury, RG14 7AL Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A18SW (NW)	586	6	446883 165783
113	Points of Interest - Commercial Services Name: Empire Windscreens Location: Unit 4 Old Buildings Sandlford Farm, Newtown Road, Newtown, Newbury, Berkshire, RG20 9BB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	621	6	447549 164638
113	Points of Interest - Commercial Services Name: Empire Windscreens Ltd Location: Unit 3-4, Sandlford, Newtown, Newbury, RG20 9BB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	622	6	447539 164631
114	Points of Interest - Commercial Services Name: Greenwood Location: 6 The Cedars, Newbury, RG14 7AA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	876	6	448155 165287

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
114	Points of Interest - Commercial Services Name: Greenwood Garages Location: 6 The Cedars, Newbury, RG14 7AA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	876	6	448154 165286
115	Points of Interest - Commercial Services Name: Thirsty Beasts Location: 29 Priory Road, Newbury, RG14 7QS Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18NE (N)	882	6	447325 166128
116	Points of Interest - Commercial Services Name: Pestuk Newbury Location: 15 Paddock Road, Newbury, RG14 7DL Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A18NW (N)	887	6	446907 166113
116	Points of Interest - Commercial Services Name: G K E Sampson & Sons Location: 22 Paddock Road, Newbury, RG14 7DG Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A17NE (N)	945	6	446856 166159
116	Points of Interest - Commercial Services Name: G K E Sampson & Sons Location: 22 Paddock Road, Newbury, RG14 7DG Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A17NE (N)	945	6	446856 166159
117	Points of Interest - Manufacturing and Production Name: Tanks Location: RG19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	627	6	447892 165103
118	Points of Interest - Manufacturing and Production Name: Tank (Covered) Location: RG14 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	881	6	446332 164827
119	Points of Interest - Manufacturing and Production Name: Tank Location: RG20 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	971	6	447429 164218
120	Points of Interest - Public Infrastructure Name: Tesco Petrol Filling Station Location: Newbury Retail Park, Pinchington Lane, Newbury, RG14 7HU Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14SW (E)	328	6	447576 165094
120	Points of Interest - Public Infrastructure Name: Tesco Filling Station Location: Pinchington Lane, Newbury, RG14 7HB Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14SW (E)	336	6	447605 165154
120	Points of Interest - Public Infrastructure Name: Tesco Newbury Extra Location: Pinchington Lane, Greenham, Newbury, RG14 7HU Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14SW (E)	338	6	447607 165153
121	Points of Interest - Public Infrastructure Name: Sewage Pumping Station Location: RG19 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A8NE (SE)	397	6	447492 164875

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
122	Points of Interest - Public Infrastructure Name: Recycling Centre Location: Nr Newtown Road, RG20 Category: Infrastructure and Facilities Class Code: Recycling Centres Positional Accuracy: Positioned to address or location	A8NE (SE)	445	6	447434 164775
123	Points of Interest - Public Infrastructure Name: Sewage Pumping Station Location: RG19 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	524	6	447613 164816
124	Points of Interest - Public Infrastructure Name: Cleansing Service Group Ltd Location: Pinchington Lane, Greenham, Thatcham, RG19 8SR Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A14SW (E)	600	6	447871 165133
124	Points of Interest - Public Infrastructure Name: Cleansing Service Group Ltd Location: Pinchington Lane, Greenham, Thatcham, RG19 8SR Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A14SW (E)	602	6	447872 165133
124	Points of Interest - Public Infrastructure Name: Refuse Tip (Public) Location: RG19 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	635	6	447888 165054
125	Points of Interest - Public Infrastructure Name: Sewage Pumping Station Location: RG19 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	621	6	447772 164856
126	Points of Interest - Public Infrastructure Name: Sewage Pumping Station Location: RG19 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A14SE (SE)	716	6	447908 164892
127	Points of Interest - Public Infrastructure Name: Cemetery Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	924	6	447017 166174
127	Points of Interest - Public Infrastructure Name: Cemetery Location: RG14 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	941	6	446981 166185
128	Points of Interest - Public Infrastructure Name: Sewage Filter Bed Location: RG20 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	967	6	447446 164226
129	Points of Interest - Recreational and Environmental Name: Playground Location: The Oaks, RG14 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A13NW (N)	149	6	447155 165407
129	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13NW (N)	188	6	447168 165445

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
129	Points of Interest - Recreational and Environmental Name: Playground Location: The Oaks, RG14 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A13NE (N)	217	6	447207 165471
130	Points of Interest - Recreational and Environmental Name: Playground Location: Jago Court, RG14 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A18SE (NE)	323	6	447378 165554
131	Points of Interest - Recreational and Environmental Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18SE (NE)	391	6	447491 165575
131	Points of Interest - Recreational and Environmental Name: Play Area Location: Bodin Gardens, RG14 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A18SE (NE)	392	6	447495 165574
132	Points of Interest - Recreational and Environmental Name: Playground Location: Springfield Lane, RG14 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18SE (NE)	470	6	447475 165674
132	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18SE (NE)	474	6	447482 165675
133	Points of Interest - Recreational and Environmental Name: Playground Location: Montague Drive, RG19 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	473	6	447689 164997
133	Points of Interest - Recreational and Environmental Name: Playground Location: Montague Drive, RG19 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A14SW (SE)	481	6	447704 165008
134	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	543	6	447643 165649
134	Points of Interest - Recreational and Environmental Name: Playground Location: The Nightingales, RG14 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A19SW (NE)	545	6	447648 165647
135	Points of Interest - Recreational and Environmental Name: Playground Location: Hamilton Court, RG14 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A18SE (NE)	652	6	447475 165869
135	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18SE (NE)	655	6	447475 165872

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
136	Points of Interest - Recreational and Environmental Name: Playground Location: Haysoms Drive, RG19 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A14NE (E)	716	6	447994 165278
137	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	725	6	447697 165838
137	Points of Interest - Recreational and Environmental Name: Playground Location: Austen Gardens, RG14 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	725	6	447697 165838

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
138	Ancient Woodland Name: Crooks Copse Reference: 1495092 Area(m ²): 23109.07 Type: Ancient and Semi-Natural Woodland	A13SW (SW)	184	7	446970 165110
139	Ancient Woodland Name: High Wood Reference: 1495474 Area(m ²): 89238.89 Type: Ancient and Semi-Natural Woodland	A8NW (S)	391	7	447048 164813
140	Ancient Woodland Name: High Wood Reference: 1495473 Area(m ²): 26795.45 Type: Ancient and Semi-Natural Woodland	A7NE (SW)	470	7	446850 164823
141	Ancient Woodland Name: High Wood Reference: 1495472 Area(m ²): 2729.87 Type: Ancient and Semi-Natural Woodland	A7NE (SW)	627	7	446713 164732
142	Ancient Woodland Name: Not Supplied Reference: 1495577 Area(m ²): 25463.74 Type: Ancient and Semi-Natural Woodland	A7NE (SW)	786	7	446693 164546
143	Ancient Woodland Name: Barn Copse Reference: 1495471 Area(m ²): 24511.05 Type: Ancient and Semi-Natural Woodland	A7NW (SW)	807	7	446490 164710
144	Ancient Woodland Name: West Wood Reference: 1495487 Area(m ²): 52262.19 Type: Ancient and Semi-Natural Woodland	A19SE (NE)	1000	7	448117 165792
145	Nitrate Vulnerable Zones Name: Berkshire Downs Description: Groundwater Source: Environment Agency, Head Office	A18NW (N)	764	4	446983 166007
146	Sites of Special Scientific Interest Name: Greenham And Crookham Commons Multiple Areas: Y Total Area (m ²): 2804834.870000001 Source: Natural England Reference: 1003118 Designation Details: Site Of Special Scientific Interest Designation Date: 16th March 1994 Date Type: Notified	A9NE (SE)	804	7	447929 164760

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Basingstoke And Deane Borough Council - Environmental Health West Berkshire Council - Environmental Health Department	January 2020 November 2014	Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Thames Region	October 2019	Quarterly
Enforcement and Prohibition Notices Environment Agency - Thames Region	March 2013	Annual Rolling Update
Integrated Pollution Controls Environment Agency - Thames Region	October 2008	Variable
Integrated Pollution Prevention And Control Environment Agency - South East Region - Solent & South Downs Area Environment Agency - South East Region - West Thames Area Environment Agency - Thames Region	October 2019 October 2019 October 2019	Quarterly Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Basingstoke And Deane Borough Council - Environmental Health West Berkshire Council - Environmental Health Department	June 2014 June 2015	Variable Variable
Local Authority Pollution Prevention and Controls Basingstoke And Deane Borough Council - Environmental Health West Berkshire Council - Environmental Health Department	June 2014 June 2015	Annual Rolling Update Not Applicable
Local Authority Pollution Prevention and Control Enforcements Basingstoke And Deane Borough Council - Environmental Health West Berkshire Council - Environmental Health Department	June 2014 June 2015	Variable Variable
Nearest Surface Water Feature Ordnance Survey	October 2019	
Pollution Incidents to Controlled Waters Environment Agency - Thames Region	September 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Thames Region	March 2013	Annual Rolling Update
Prosecutions Relating to Controlled Waters Environment Agency - Thames Region	March 2013	Annual Rolling Update
Registered Radioactive Substances Environment Agency - Thames Region	June 2016	
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - South East Region - Solent & South Downs Area Environment Agency - South East Region - West Thames Area Environment Agency - Thames Region - South East Area Environment Agency - Thames Region - West Area	October 2019 October 2019 October 2019 October 2019	Quarterly Quarterly Quarterly Quarterly
Water Abstractions Environment Agency - Thames Region	October 2019	Quarterly
Water Industry Act Referrals Environment Agency - Thames Region	October 2017	Quarterly
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	June 2018	As notified

Agency & Hydrological	Version	Update Cycle
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	October 2019	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	November 2019	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	November 2019	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	November 2019	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	November 2019	Quarterly
Flood Defences Environment Agency - Head Office	November 2019	Quarterly
OS Water Network Lines Ordnance Survey	October 2019	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water Suitability Environment Agency - Head Office	October 2013	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	October 2019	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Thames Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - South East Region - Solent & South Downs Area Environment Agency - South East Region - West Thames Area Environment Agency - Thames Region - South East Area Environment Agency - Thames Region - West Area	November 2019 November 2019 November 2019 November 2019	Quarterly Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - South East Region - Solent & South Downs Area Environment Agency - South East Region - West Thames Area Environment Agency - Thames Region - South East Area Environment Agency - Thames Region - West Area	October 2019 October 2019 October 2019 October 2019	Quarterly Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Basingstoke And Deane Borough Council - Environmental Health Hampshire County Council - Minerals and Waste Planning West Berkshire Council - Environmental Health Department	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Basingstoke And Deane Borough Council - Environmental Health Hampshire County Council - Minerals and Waste Planning West Berkshire Council - Environmental Health Department	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites Environment Agency - Thames Region - South East Area Environment Agency - Thames Region - West Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - Thames Region - South East Area Environment Agency - Thames Region - West Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Thames Region - South East Area Environment Agency - Thames Region - West Area	March 2003 March 2003	Not Applicable Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Basingstoke And Deane Borough Council Hampshire County Council - Minerals and Waste Planning West Berkshire Council	February 2016 February 2016 February 2016	Variable Variable Variable
Planning Hazardous Substance Consents Basingstoke And Deane Borough Council Hampshire County Council - Minerals and Waste Planning West Berkshire Council	February 2016 February 2016 February 2016	Variable Variable Variable
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	October 2019	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	October 2019	Quarterly
Fuel Station Entries Catalist Ltd - Experian	December 2019	Quarterly
Gas Pipelines National Grid	July 2014	
Points of Interest - Commercial Services PointX	December 2019	Quarterly
Points of Interest - Education and Health PointX	December 2019	Quarterly
Points of Interest - Manufacturing and Production PointX	December 2019	Quarterly
Points of Interest - Public Infrastructure PointX	December 2019	Quarterly
Points of Interest - Recreational and Environmental PointX	December 2019	Quarterly
Underground Electrical Cables National Grid	December 2015	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	August 2018	Bi-Annually
Areas of Adopted Green Belt Basingstoke And Deane Borough Council West Berkshire Council	November 2019 November 2019	As notified As notified
Areas of Unadopted Green Belt Basingstoke And Deane Borough Council West Berkshire Council	November 2019 November 2019	As notified As notified
Areas of Outstanding Natural Beauty Natural England	June 2019	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	March 2019	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	July 2019	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Vulnerable Zones Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2017 October 2015	Bi-Annually
Ramsar Sites Natural England	April 2019	Bi-Annually
Sites of Special Scientific Interest Natural England	March 2019	Bi-Annually
Special Areas of Conservation Natural England	June 2019	Bi-Annually
Special Protection Areas Natural England	April 2019	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	West Berkshire Council - Environmental Health Department Council Offices, Faraday Road, Newbury, Berkshire, RG14 2AF	Telephone: 01635 551111 Fax: 01635 519431 Website: www.westberks.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
7	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.

Index Map

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

Slice

Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

Segment

A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

Quadrant

A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

Mrs J Taylor, Listers Geotechnical Consultants Ltd, Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants, NN12 8QD

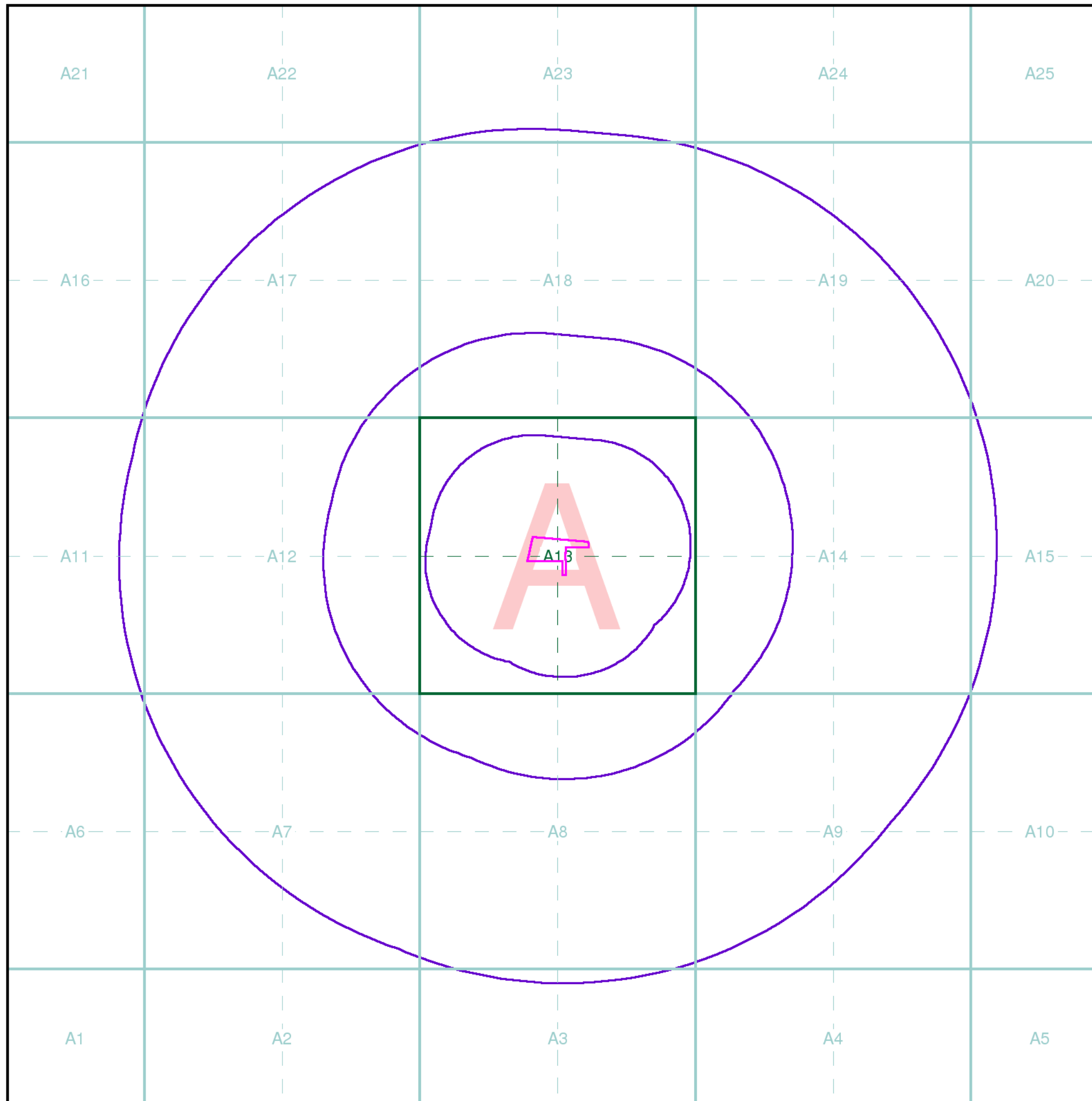
Order Details

Order Number: 230178532_1_1
Customer Ref: 19.12.021
National Grid Reference: 447190, 165230
Site Area (Ha): 0.61
Search Buffer (m): 1000

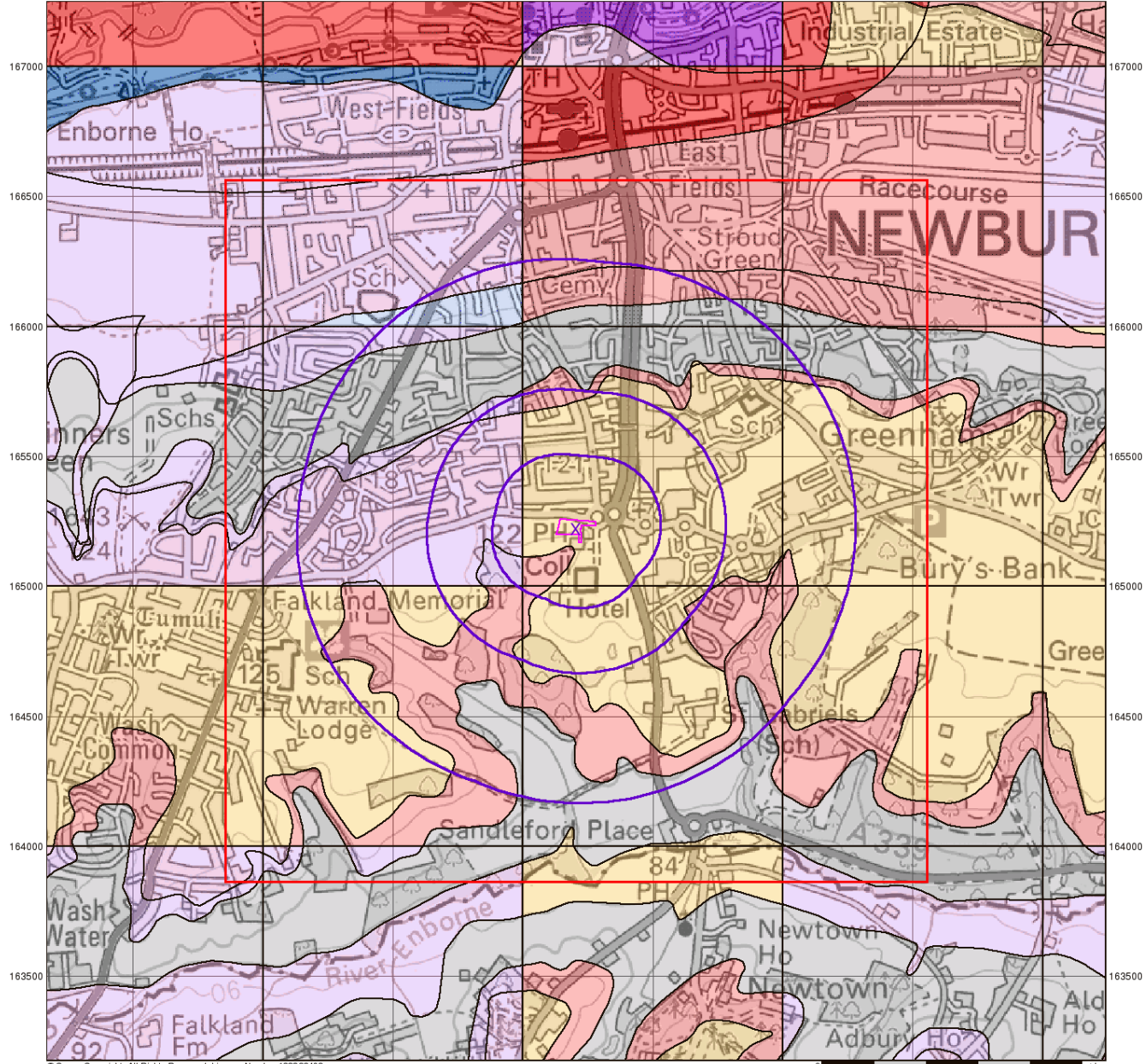
Site Details

Newbury College, Monks Lane, NEWBURY, RG14 7TD

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<http://www.landmarkinfo.co.uk/Terms/Show/515>



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0 1 km



Groundwater Vulnerability

General

- X Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

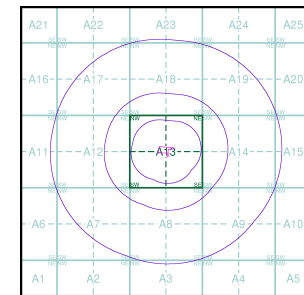
Bedrock Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer
- Unproductive Aquifer
- Soluble Rock

Superficial Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 230178532_1_1
 Customer Ref: 19.12.021
 National Grid Reference: 447200, 165220
 Slice: A
 Site Area (Ha): 0.61
 Search Buffer (m): 1000

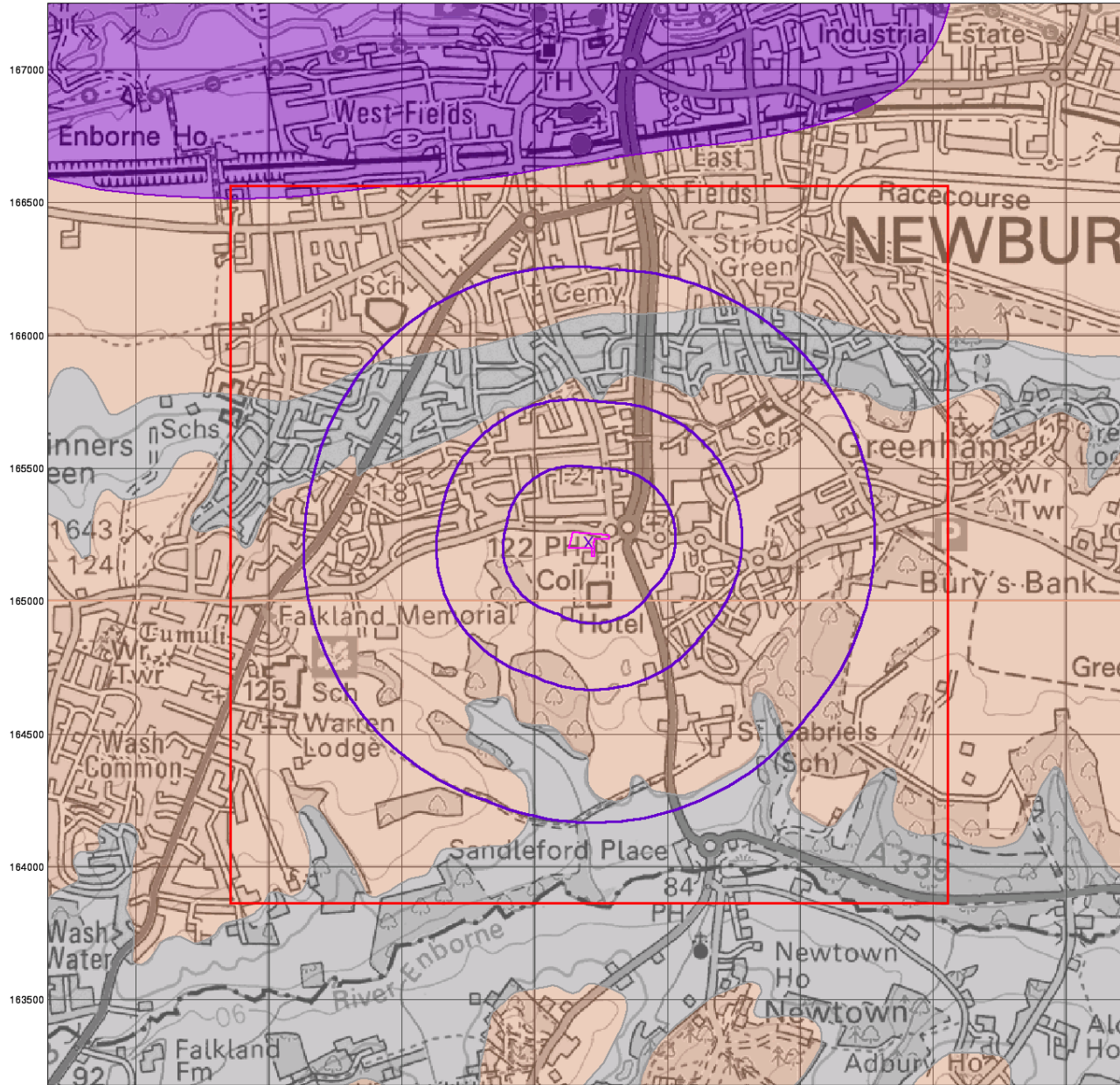
Site Details

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0 1 km



Bedrock Aquifer Designation

General

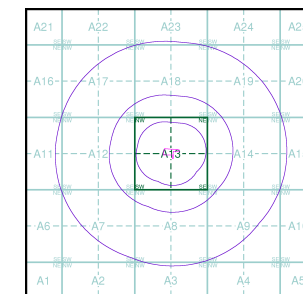
- ◆ Specified Site
- Specified Buffer(s)
- ✕ Bearing Reference Point
- Slice
- B Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 230178532_1_1
 Customer Ref: 19.12.021
 National Grid Reference: 447200, 165220
 Slice: A
 Site Area (Ha): 0.61
 Search Buffer (m): 1000

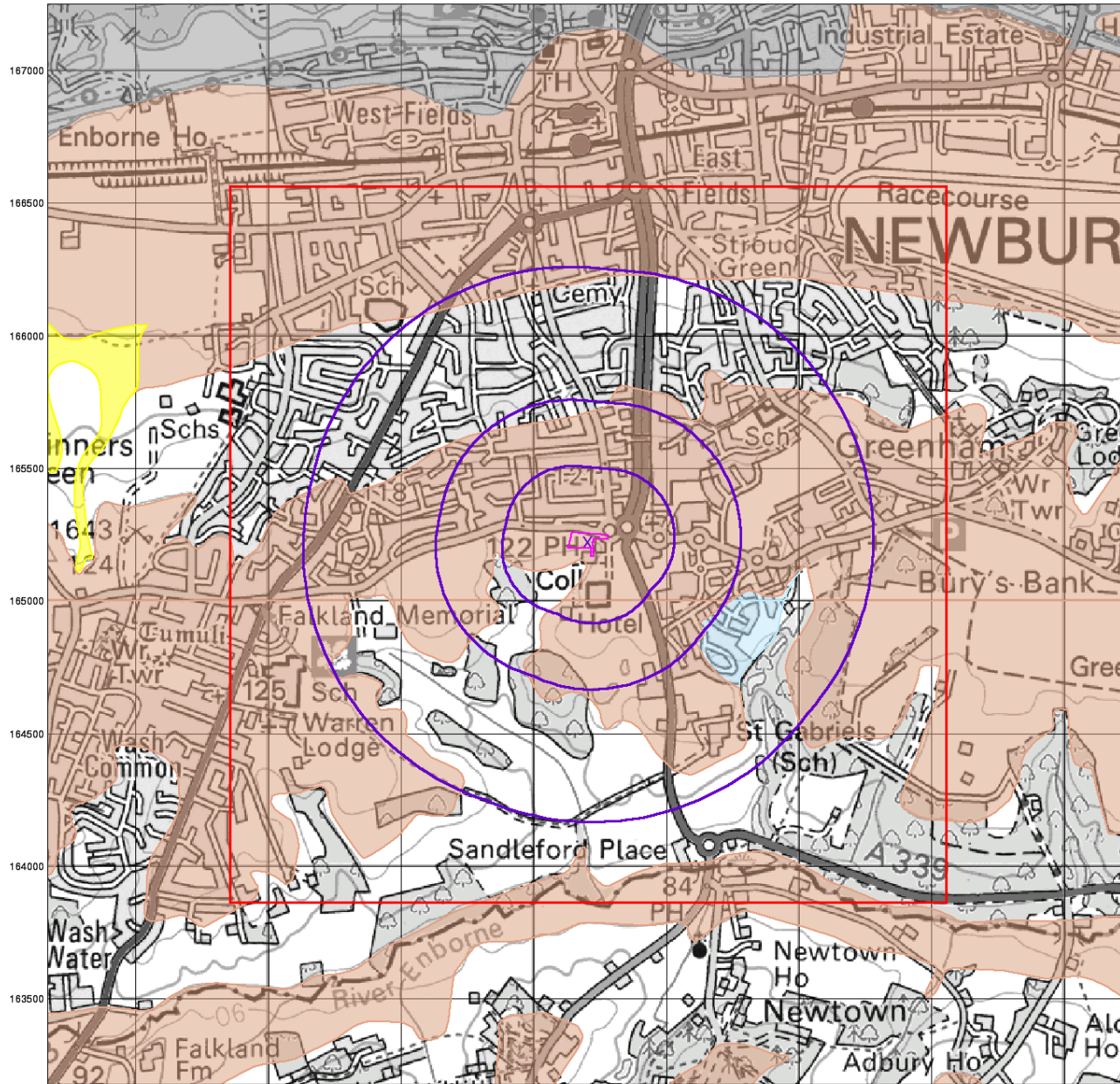
Site Details

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0 1 km



Superficial Aquifer Designation

General

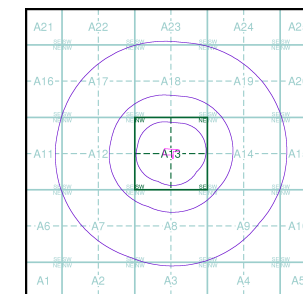
- ◆ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 230178532_1_1
 Customer Ref: 19.12.021
 National Grid Reference: 447200, 165220
 Slice: A
 Site Area (Ha): 0.61
 Search Buffer (m): 1000

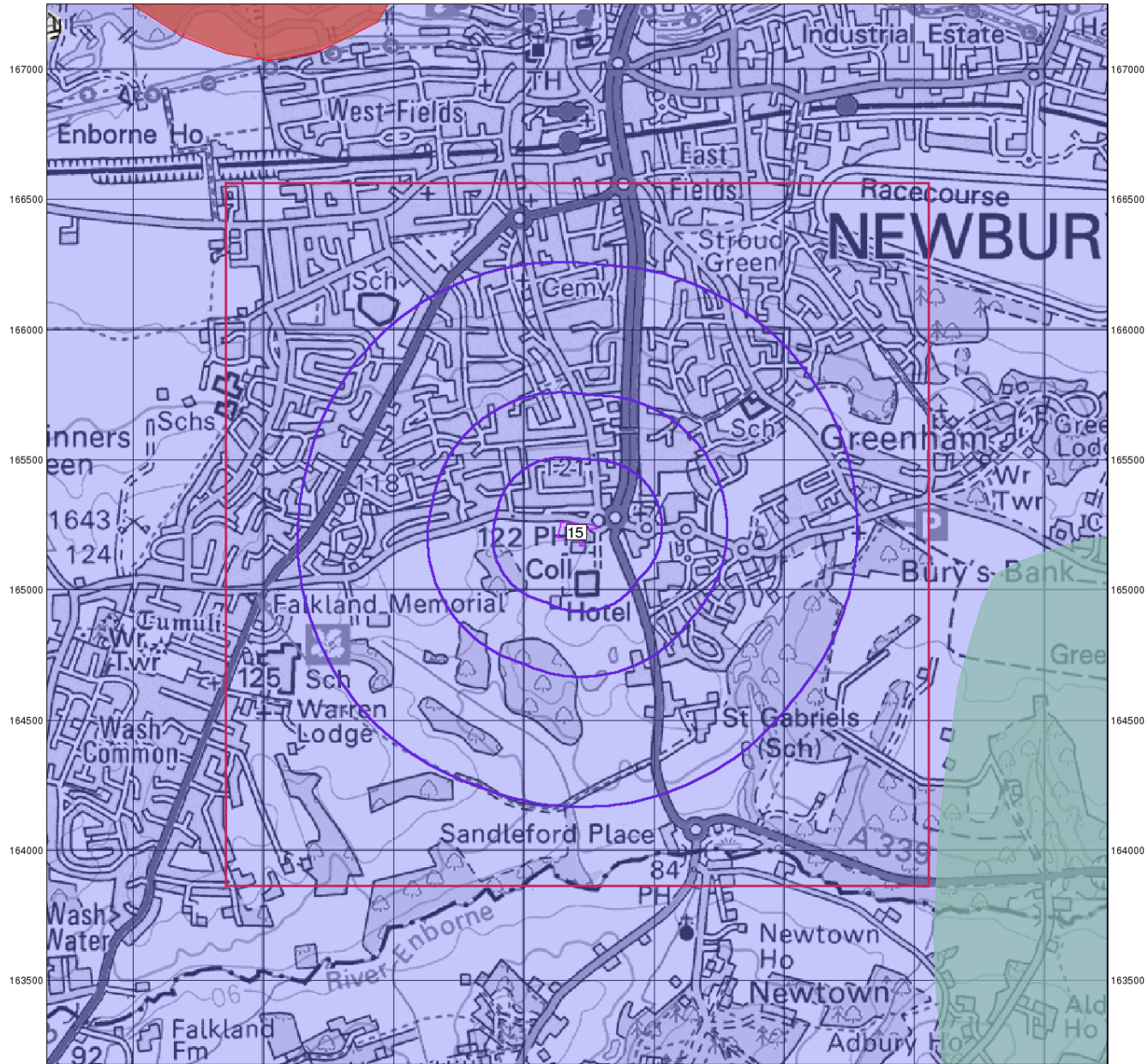
Site Details

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0 1 km



Source Protection Zones

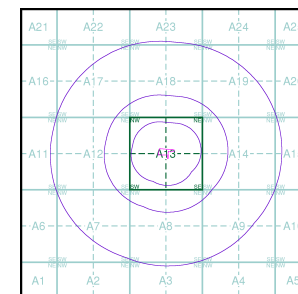
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 230178532_1_1
 Customer Ref: 19.12.021
 National Grid Reference: 447200, 165220
 Slice: A
 Site Area (Ha): 0.61
 Search Buffer (m): 1000

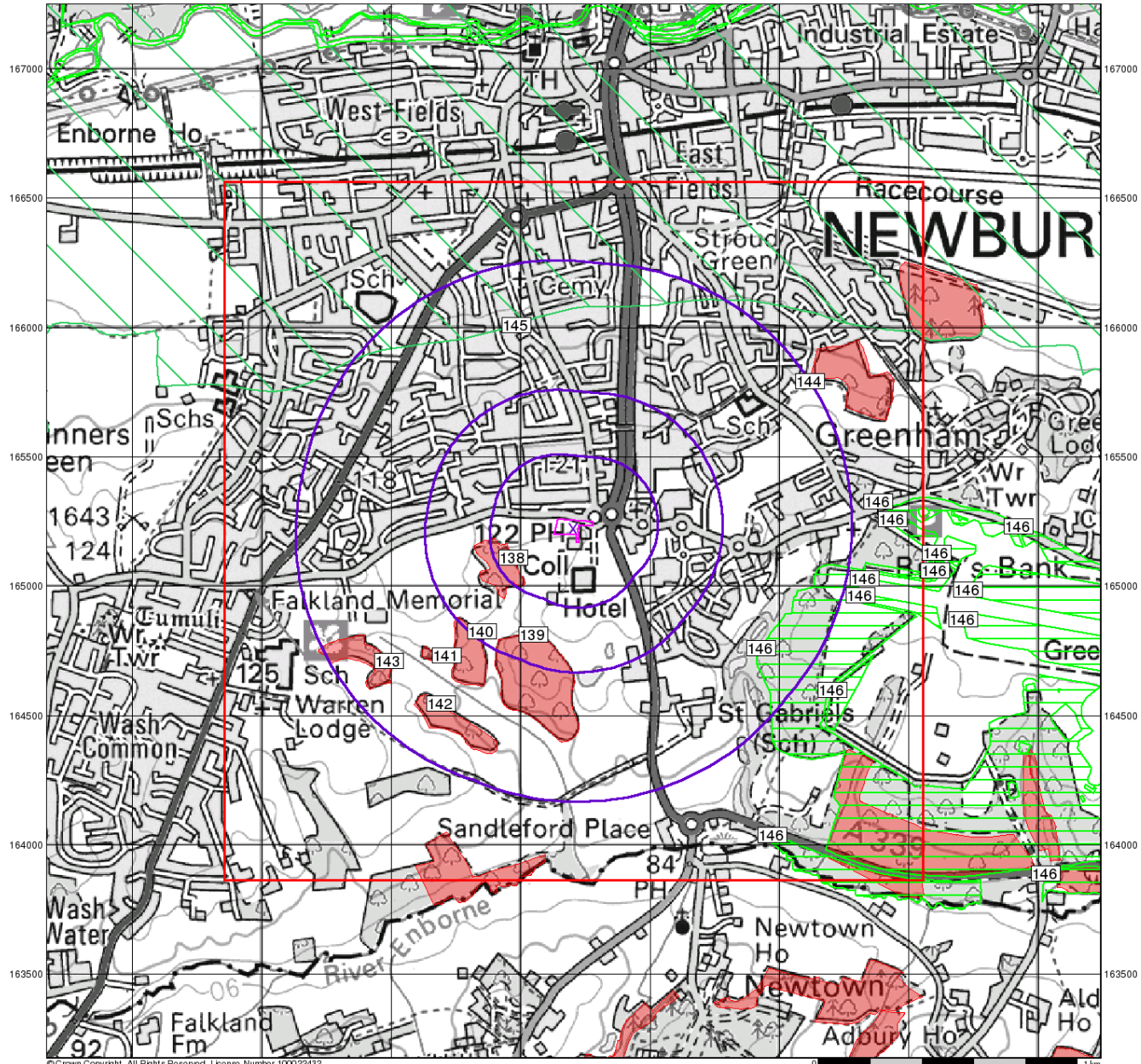
Site Details

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Sensitive Land Uses

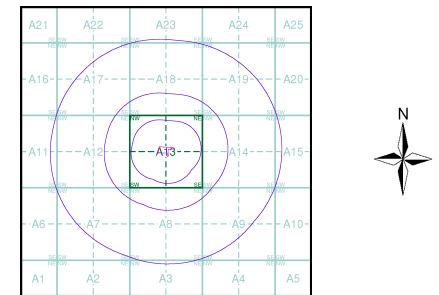
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 230178532_1_1
 Customer Ref: 19.12.021
 National Grid Reference: 447200, 165220
 Slice: A
 Site Area (Ha): 0.61
 Search Buffer (m): 1000

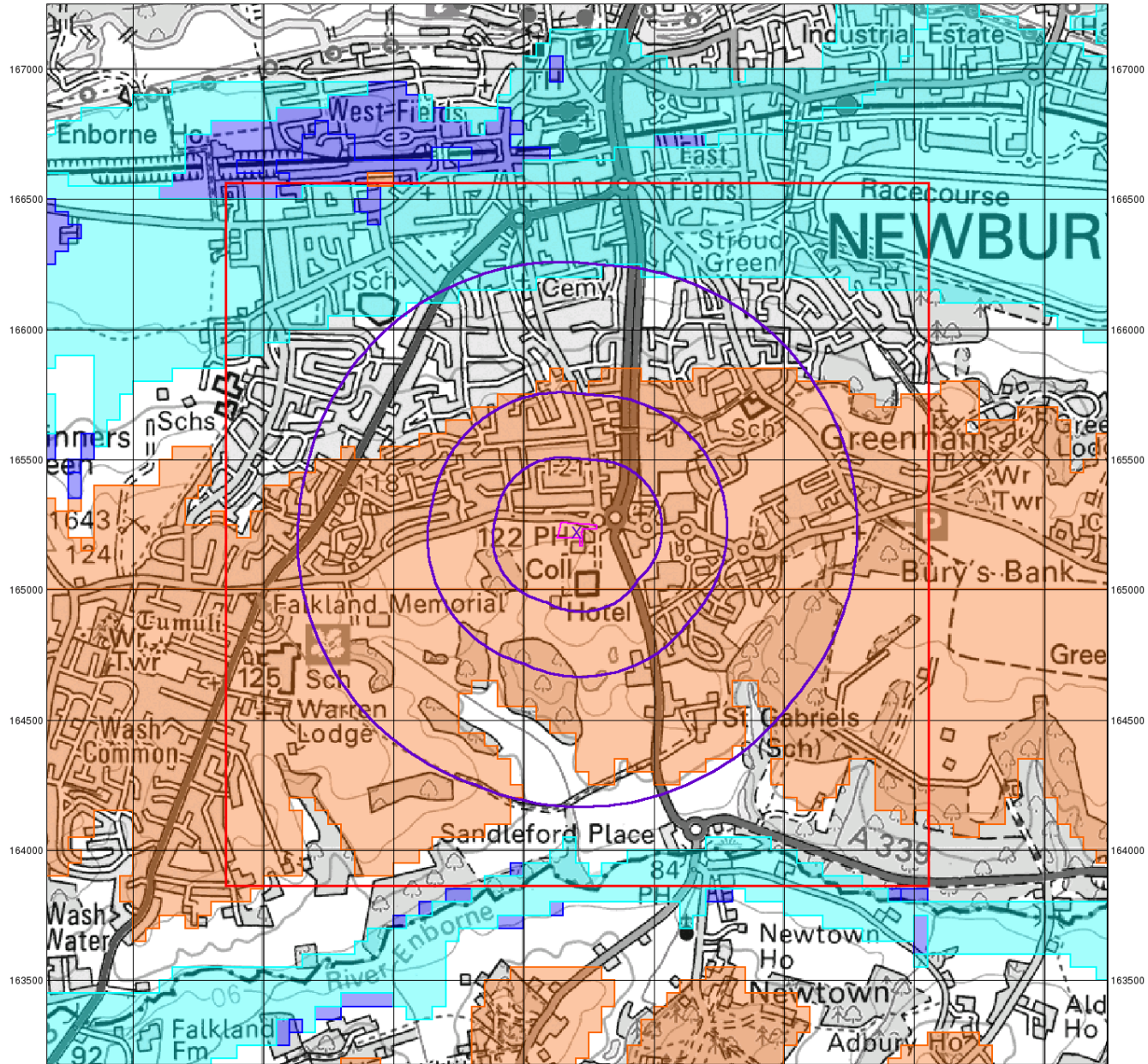
Site Details

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BGS Flood GFS Data

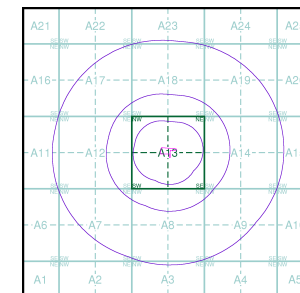
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 230178532_1_1
 Customer Ref: 19.12.021
 National Grid Reference: 447200, 165220
 Slice: A
 Site Area (Ha): 0.61
 Search Buffer (m): 1000

Site Details

Newbury College, Monks Lane, NEWBURY, RG14 7TD

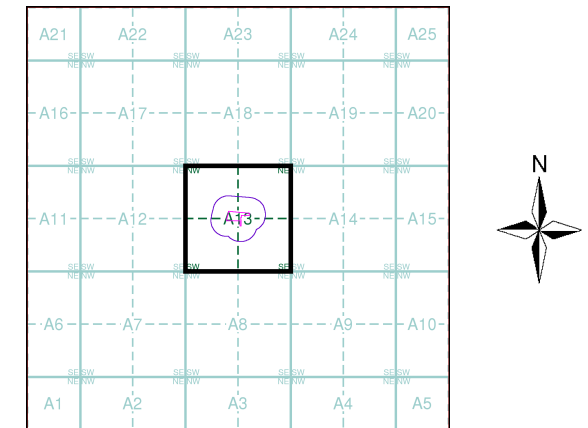


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- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
 - Pylon
 - Overhead Transmission Line
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - River Quality Sampling Point
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Waste**
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A13



Order Details

Order Number: 230178532_1_1
 Customer Ref: 19.12.021
 National Grid Reference: 447200, 165220
 Slice: A
 Site Area (Ha): 0.61
 Plot Buffer (m): 100

Site Details
 Newbury College, Monks Lane, NEWBURY, RG14 7TD

Landmark
 INFORMATION GROUP

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