Soils					Summary of C	Classific	ation ⁻	Test l	Results		
Job No.			Project	Project Name Programme							
				Complex received							21/07/2015
1	9242		New O	xtord S	теет				Schedule		23/07/2015
Project No.			Client						Project sta		24/07/2015
J [.]	15190		GEA		T	ı	1		Testing Started		06/08/2015
Hole No.		Sam		L	Soil Description	NMC	Passing 425µm	LL	PL	PI	Remarks
	Ref	Тор	Base	Туре		%	%	%	%	%	
BH1		6.50		В	Orange brown slightly gravelly slightly sandy silty CLAY (gravel is fm and subangular)	25	99	66	26	40	
BH1		7.50		D	Brown and grey silty CLAY	28	100	66	26	40	
BH1		10.50		D	Dark grey silty CLAY	30	100	69	26	43	
BH1		17.00		D	CLAYSTONE with a little grey clay	26	10	75	29	46	
	Natural	Methods Moisture rg Limits:	Content	: clause	t 2: 1990: e 3.2 Test 5.0 U	Report by Init 8 Olds (Watford	K4 SOILS Close Old Herts WI	s Appro	ach		Checked and Approved Initials J.P

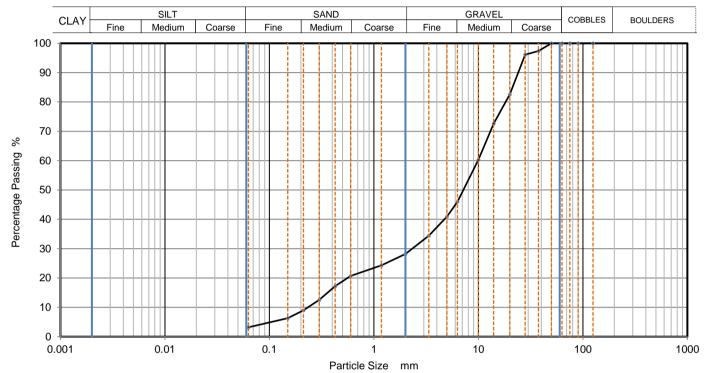
Date:

Tel: 01923 711 288 Email: James@k4soils.com

MSF-5-R1(a) -Rev. 0

17/08/2015

14	DARTIC	I E SIZE DIS	TRIBUTION	Job Ref	19242	
SOILS	FARTIC	LE SIZE DIS	TRIBUTION	Borehole/Pit No.	BH1	
Site Name	New Oxford Street			Sample No.		
Project No.	J15190	Client	GEA	Depth	4.00	m
Brown slightly clayey very sandy GRAVEL (gravel is fmc and sub-		/EL (gravel is the and sub	Sample Type	В		
Soil Description	Brown slightly clayey	angular to round		Samples received	21/07/2015	
				Schedules received	23/07/2015	
Test Method	BS1377:Part 2: 1990, c	BS1377:Part 2: 1990, clause 9.0			24/07/2015	
<u> </u>				Date tested	05/08/2015	



21.12.2					
Sie	ving	Sedimentation			
Particle Size mm	% Passing	Particle Size mm	% Passing		
125	100				
90	100				
75	100				
63	100				
50	100				
37.5	97				
28	96				
20	83				
14	73				
10	60				
6.3	46				
5	41				
3.35	34				
2	28				
1.18	24				
0.6	21				
0.425	17	<u> </u>			
0.3	13				
0.212	9				
0.15	6				
0.063	3				

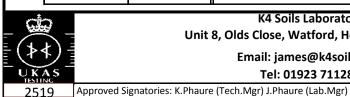
Dry Mass of sample, g	3903
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Sample Proportions	% dry mass
Very coarse	0
Gravel	72
Sand	25
Fines <0.063mm	3

Grading Analysis		
D100	mm	
D60	mm	9.9
D30	mm	2.33
D10	mm	0.233
Uniformity Coefficient		42
Curvature Coefficient		2.3

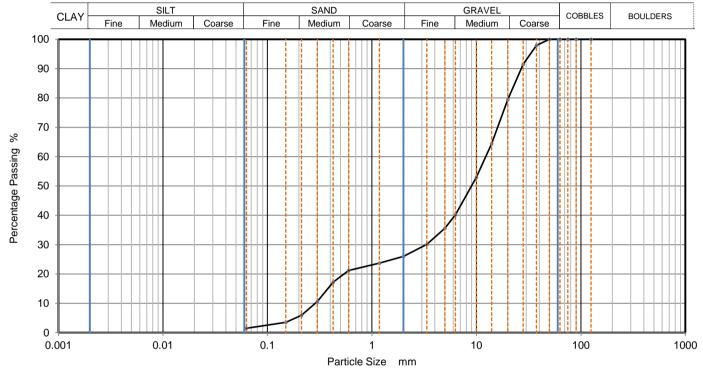
Remarks

Preparation and testing in accordance with BS1377 unless noted below



K4 Soils Laboratory		Checked and Approved
Unit 8, Olds Close, Watford, Herts, WD18 9RU	Initials:	J.P
Email: james@k4soils.com	Date: 17/08/2	
Tel: 01923 711288	Dute.	1,700,2013
s: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)		MSF-5-R3 (Rev.0)

14	DARTIC	I E SIZE DIS	TRIBUTION	Job Ref	19242	
SOILS	FARTIC	LE SIZE DIS	TRIBUTION	Borehole/Pit No.	BH1	
Site Name	New Oxford Street			Sample No.		
Project No.	J15190	Client	GEA	Depth	5.00	m
Brown slightly clayey very sandy GRAVEL (gravel is fmc and sub-			Sample Type	В		
Soil Description	Brown slightly clayey	angular to rounded)		Samples received	21/07/2015	
				Schedules received	23/07/2015	
Test Method	Method BS1377:Part 2: 1990, clause 9.0				24/07/2015	
				Date tested	05/08/2015	



11.15.1					
Sie	ving	Sedime	entation		
Particle Size mm	% Passing	Particle Size mm	% Passing		
125	100				
90	100				
75	100				
63	100				
50	100				
37.5	98				
28	92				
20	80				
14	64				
10	53				
6.3	40				
5	36				
3.35	30				
2	26				
1.18	24				
0.6	21				
0.425	17	<u> </u>			
0.3	11				
0.212	6				
0.15	4				
0.063	2				

Dry Mass of sample, g	4953
-----------------------	------

Sample Proportions	% dry mass		
Very coarse	0		
Gravel	74		
Sand	25		
Fines <0.063mm	2		

Grading Analysis		
D100	mm	
D60	mm	12.3
D30	mm	3.31
D10	mm	0.287
Uniformity Coefficient		43
Curvature Coefficient		3.1

Remarks

Preparation and testing in accordance with BS1377 unless noted below



K4 Soils Laboratory		Checked and Approved
Unit 8, Olds Close, Watford, Herts, WD18 9RU	Initials:	J.P
Email: james@k4soils.com	Date:	17/08/2015
Tel: 01923 711288	Date.	17/00/2013
Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)		MSF-5-R3 (Rev.0)



Sulphate Content (Gravimetric Method) for 2:1 Soil: Water Extract and pH Value - Summary of Results

A	SOIL	S	Tested in accordance with BS1377 : Part 3 : 1990, clause 5.3 and clause						se 9		
Job No.			Project N	Name						Progran	mme
19242			New Oxf		at				Samples re	eceived	21/07/2015
				ord Otree					Schedule r		23/07/2015
Project No).		Client		Project s	tarted	24/07/2015				
J15190			GEA						Testing S	Started	31/07/2015
		Sa	ımple			Dry Mass	SO3	SO4			
Hole No.					Soil description	passing 2mm	Content	Content	рН	ı	Remarks
	Ref	Тор	Base	Type		%	g/l	g/l			
BH1		8.00		D	Dark grey silty CLAY	100	0.63	0.76	7.27		
BH1		12.00		D	Dark grey silty CLAY	100	0.90	1.08	7.12		
BH1		18.00		D	Dark grey silty CLAY	100	0.61	0.73	7.42		
BH1		23.00		D	Dark grey silty CLAY	100	0.54	0.64	7.46		
		Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU Tel: 01923 711 288 Email: James@k4soils.com									ecked and approved J.P 17/08/2015
2519			Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr) MSF-5-R29 (Rev. 0)								

Unconsolidated Undrained Triaxial Compression tests without measurement of pore pressure Tests carried out in accordance with BS1377:Part 7: 1990 clause 8 or 9 as appropriate to test

Summary of Results

Job No.			163	เรเ	Droi	ect Na		31371	.rai	. /	990 C	iaus		пэа			
				•	ect ivai	me						San	nnlae r		_	mme 21/07/2015	
19242 Nev		New O	New Oxford Street									Samples received Schedule received			23/07/2015		
Project N	Ο.		Client									Project started			24/07/2015		
J15190			GEA							Testing Started							
J 10 190					T								16	sung 8	siarie(J	12/08/2015
		Sar	mple			Test	De	nsity	w	Longth	Diameter	σ3		At fail	lure		
Hole No.		_	So		Soil Description	Type	bulk	dry	VV	Lengui	Diameter	03	Axial strain	σ1 - σ	cu	M o	Remarks
	Ref	Top	Base	Туре			Mo	ı/m3	%	mm	mm	kPa	%	kPa	kPa	d e	
							IVIS	<i>y</i> 1110	70			ми	70	iki u	INI CI	6	
BH1		9.50		U	High strength fissured dark grey silty CLAY with pale grey fine sand partings	UU	2.03	1.60	27	198	102	190	7.6	193	96	В	
BH1		12.50		U	High strength fissured dark grey silty CLAY with pale grey fine sand partings	UU	2.06	1.64	26	198	102	250	5.1	212	106	В	
BH1		15.50		U	High strength fissured dark grey silty CLAY with pale grey fine sand partings	UU	2.00	1.56	28	198	102	310	3.5	203	102	В	
BH1		18.50		U	High strength slightly fissured dark grey slightly sandy silty CLAY	UU	2.08	1.66	25	198	102	370	4.5	228	114	В	
BH1		21.50		U	Very high strength fissured dark grey silty CLAY	UU	2.01	1.61	25	75	38	430	7.5	382	191	В	Sample insufficient for U100, U38 TXL carried out instead
Legend	UU -	single st	age test (single	e and multiple specimens)	σ3	Cell	oressure)			Mode	of failur	re;	B - E	3rittle	•
	UUM	- Multist	age test	on a s	ingle specimen	σ1 - σ3	Maxi	mum co	rrected	deviator	rstress				P - F	Plasti	ic
		_													_	_	

suffix R - remoulded or recompacted

cu Undrained shear strength, $\frac{1}{2}$ (σ 1 - σ 3)

C - Compound

Initials:



Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU Tel: 01923 711 288

J.P

Email: james@k4soils.com

Date: 17/08/2015

MSF-5-R7b (Rev. 0)

Checked and Approved

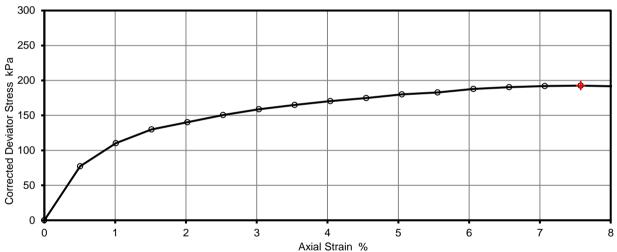
Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)

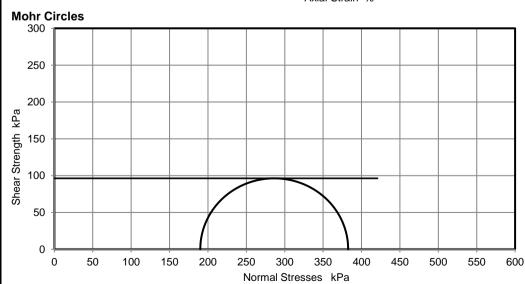
14	Unconsolidate			Job Ref	19242	
Compression Test without measurement of pore pressure - single specimen			Borehole/Pit No.	BH1		
Site Name	New Oxford Street	New Oxford Street				
Project No.	J15190	Client	GEA	Depth	9.50 m	
				Sample Type	U	
Soil Description	High strength fissure	ed dark grey silty sand parting	CLAY with pale grey fine gs	Samples received	21/07/2015	
				Schedules received	23/07/2015	
Test Method	BS1377 : Part 7 : 199	00, clause 8, sin	gle specimen	Date of test	12/08/2015	

Remarks	

hin sample	
Position within sample	

Test Number	1	
Length	198.0	mm
Diameter	102.0	mm
Bulk Density	2.03	Mg/m3
Moisture Content	27	%
Dry Density	1.60	Mg/m3
	-	
Rate of Strain	2.0	%/min
Cell Pressure	190	kPa
Axial Strain	7.6	%
Deviator Stress, (σ1 - σ3)f	193	kPa
Undrained Shear Strength, cu	96	kPa ½(σ1 - σ3)f
Mode of Failure	Brittle	





Deviator stress corrected for area change and membrane effects

Mohr circles and their interpretation is not covered by BS1377. This is provided for information only.



Test Report by K4 SOILS LABORATORY **Unit 8 Olds Close Olds Approach** Watford Herts WD18 9RU Tel: 01923 711 288

Email: James@k4soils.com

Checked and Approved J.P

Initials:

17/08/2015 Date

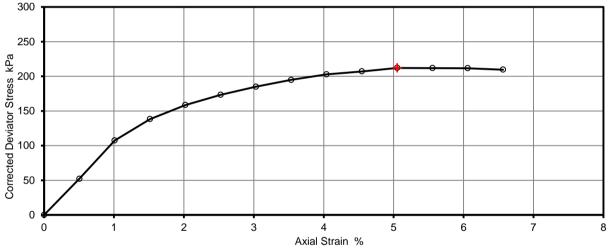
MSF-5 R7 (Rev.0)

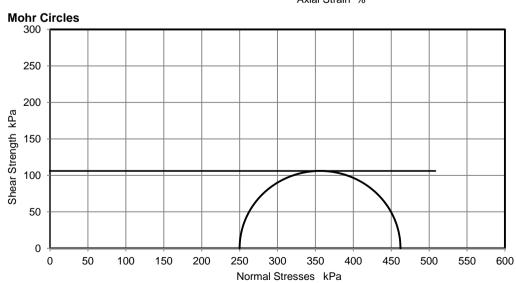
4	Unconsolidate Compression		Job Ref	19242		
SOILS	of pore pressu		Borehole/Pit No.	BH1		
Site Name	New Oxford Street			Sample No.		
Project No.	J15190	Client	GEA	Depth	12.50 m	
				Sample Type	U	
Soil Description	High strength fissure	ed dark grey silty sand parting	CLAY with pale grey fine gs	Samples received	21/07/2015	
				Schedules received	23/07/2015	
Test Method	BS1377 : Part 7 : 199	0, clause 8, sinç	gle specimen	Date of test	12/08/2015	

Remai	rks		

nple	l
Position within sample	
withir	
ition	
Pos	

Test Number	1	
Length	198.0	mm
Diameter	102.0	mm
Bulk Density	2.06	Mg/m3
Moisture Content	26	%
Dry Density	1.64	Mg/m3
Rate of Strain	2.0	%/min
Cell Pressure	250	kPa
Axial Strain	5.1	%
Deviator Stress, (σ1 - σ3)f	212	kPa
Undrained Shear Strength, cu	106	kPa ½(σ1 - σ3)f
Mode of Failure	Brittle	





Deviator stress corrected for area change and membrane effects

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Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)

Checked and **Approved** J.P Initials:

17/08/2015 Date

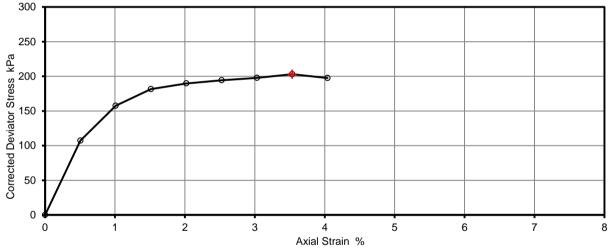
MSF-5 R7 (Rev.0)

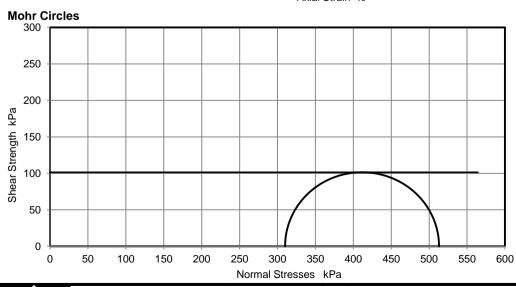
4	Unconsolidate Compression		Job Ref	19242		
SOILS	of pore pressu		Borehole/Pit No.	BH1		
Site Name	New Oxford Street			Sample No.		
Project No.	J15190	Client	GEA	Depth	15.50 m	
				Sample Type	U	
Soil Description	High strength fissure	ed dark grey silty sand parting	CLAY with pale grey fine gs	Samples received	21/07/2015	
				Schedules received	23/07/2015	
Test Method	BS1377 : Part 7 : 199	0, clause 8, sing	gle specimen	Date of test	12/08/2015	

Remarks		

ple	l
sarr	
Position within sample	
tion	
Posi	

Test Number	1	
Length	198.0	mm
Diameter	102.0	mm
Bulk Density	2.00	Mg/m3
Moisture Content	28	%
Dry Density	1.56	Mg/m3
Rate of Strain	2.0	%/min
Cell Pressure	310	kPa
Axial Strain	3.5	%
Deviator Stress, (σ1 - σ3)f	203	kPa
Undrained Shear Strength, cu	102	kPa ½(σ1 - σ3)f
Mode of Failure	Brittle	





Deviator stress corrected for area change and membrane effects

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Test Report by K4 SOILS LABORATORY
Unit 8 Olds Close Olds Approach
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Email: James@k4soils.com

Approved Initials: J.P

Date 17/08/2015

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Checked and

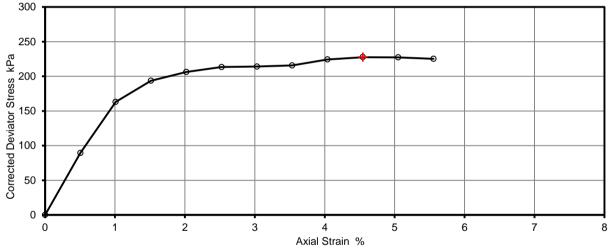
Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)

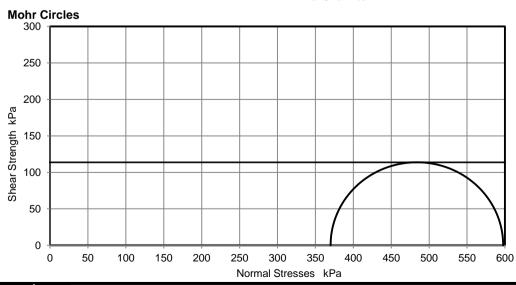
4	Unconsolidate		ed Triaxial ut measurement	Job Ref	19242	
SOILS	of pore pressu			Borehole/Pit No.	BH1	
Site Name	New Oxford Street			Sample No.		
Project No.	J15190	Client	GEA	Depth	18.50	m
	High strength slightly fissured dark grey slightly sandy silty CLAY		Sample Type	U		
Soil Description			Samples received	21/07/2015		
				Schedules received	23/07/2015	
Test Method	BS1377 : Part 7 : 199	00, clause 8, sing	gle specimen	Date of test	12/08/2015	

Remarks		

Position within sample	l
Position	

Test Number	1	
Length	198.0	mm
Diameter	102.0	mm
Bulk Density	2.08	Mg/m3
Moisture Content	25	%
Dry Density	1.66	Mg/m3
Rate of Strain	2.0	%/min
Cell Pressure	370	kPa
Axial Strain	4.5	%
Deviator Stress, (σ1 - σ3)f	228	kPa
Undrained Shear Strength, cu	114	kPa ½(σ1 - σ3)f
Mode of Failure	Brittle	





Deviator stress corrected for area change and membrane effects

Mohr circles and their interpretation is not covered by BS1377. This is provided for information only.



Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU Tel: 01923 711 288

Email: James@k4soils.com

Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)

Checked and Approved J.P Initials:

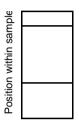
17/08/2015 Date

MSF-5 R7 (Rev.0)

4	Unconsolidate		ed Triaxial ut measurement	Job Ref	19242	
SOILS	of pore pressu			Borehole/Pit No.	BH1	
Site Name	New Oxford Street			Sample No.		
Project No.	J15190	Client	GEA	Depth	21.50	m
	Very high strength fissured dark grey silty CLAY		Sample Type	U		
Soil Description			Samples received	21/07/2015		
				Schedules received	23/07/2015	
Test Method	BS1377 : Part 7 : 199	0, clause 8, sino	gle specimen	Date of test	12/08/2015	

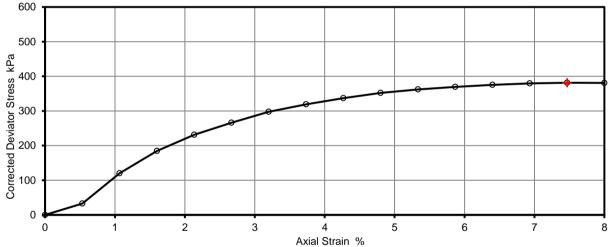
Remarks

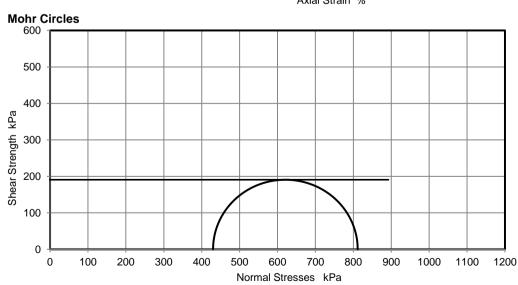
Sample insufficient for U100, U38 TXL carried out instead



Test Number	1	7
Length	75.0	mm
Diameter	38.0	mm
Bulk Density	2.01	Mg/m3
Moisture Content	25	%
Dry Density	1.61	Mg/m3
Rate of Strain	2.0	%/min
Cell Pressure	430	kPa
Axial Strain	7.5	%
Deviator Stress, (σ1 - σ3)f	382	kPa
Undrained Shear Strength, cu	191	kPa ½(σ1 - σ3)f
Mode of Failure	Brittle	

Deviator Stress v Axial Strain





Deviator stress corrected for area change and membrane effects

Mohr circles and their interpretation is not covered by BS1377. This is provided for information only.



Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU Tel: 01923 711 288 Email: James@k4soils.com

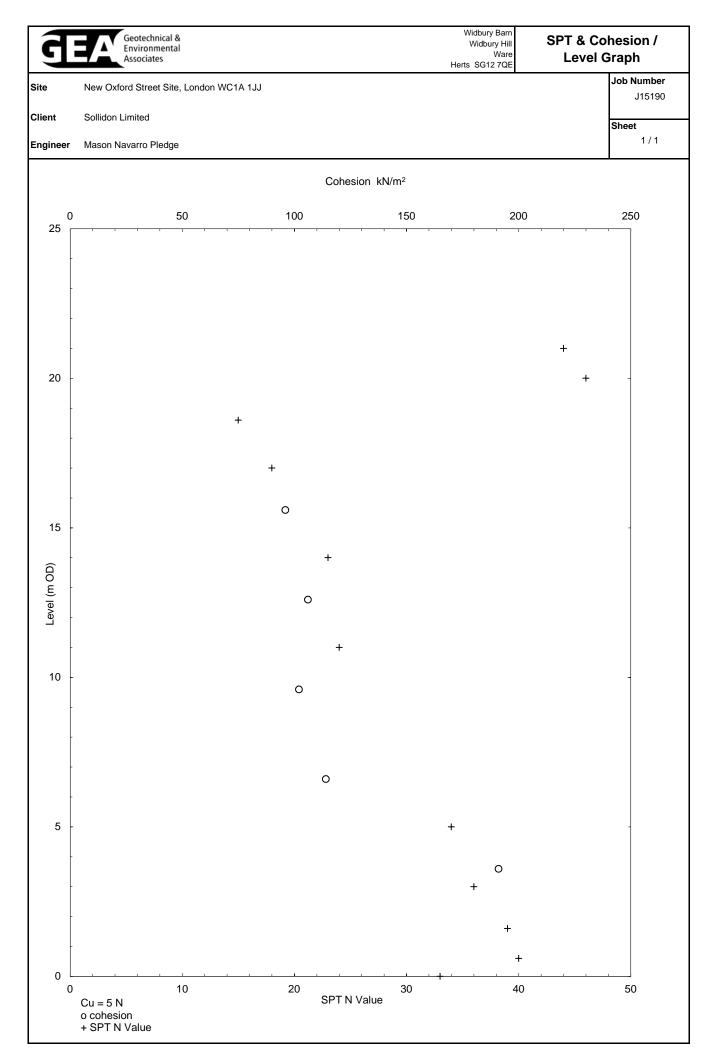
Approved J.P Initials:

17/08/2015 Date

Checked and

MSF-5 R7 (Rev.0)

Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)



Results Summary - Soil



Project: J15190 - New Oxford Street Site, London

					(*-*
Client: GEA		Chem	Chemtest Job No.:	b No.:	15-17052	15-17052	15-17052
Quotation No.:	S	nemtes	Chemtest Sample ID.:	le ID.:	170194	170195	170196
Order No.: J15190		Client	Client Sample Ref.:	e Ref.:			
		Clien	Client Sample ID.:	le ID.:	TP3	TP4	TP28
			Sample Type:	Type:	SOIL	SOIL	SOIL
			Top Depth (m):	th (m):	0.5	0.4	0.3
		Bott	Bottom Depth(m):	th(m):			
			Date Sampled:	npled:	20-Jul-15	20-Jul-15	20-Jul-15
Determinand	Accred.	SOP	Units	TOD			
ACM Type	Ω	2192			1	-	
Asbestos Identification	Ω	2192			No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture	z	2030	%	0.02	2.4	2.2	16
Stones	z	2030	%	0.02	< 0.020	< 0.020	< 0.020
Soil Colour	Z				Brown	Brown	Brown
Other Material	Z				Stones	Stones	Stones
Soil Texture	Z				Sand	Sand	Sand
Hd	Σ	2010			9.1	11.1	6.3
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.01	0.063	0.16	0.87
Chloride (Extractable)	≥		g/I	0.01	< 0.010	0.021	0.070
Cyanide (Total)	Σ	2300	mg/kg	0.5	< 0.50	< 0.50	< 0.50
Sulphide (Easily Liberatable)	Σ		mg/kg	0.5	1.3	3.6	1.4
Sulphate (Total)	Σ		mg/kg	100	450	1100	4200
Arsenic	Σ	2450	mg/kg	1	26	22	41
Cadmium	Σ	2450	mg/kg	0.1	0.77	0.64	0.65
Chromium	Σ	2450	mg/kg	1	31	29	42
Copper	Ν	2450	mg/kg	0.5	29	19	240
Mercury	M	2450	mg/kg	0.1	< 0.10	< 0.10	17
Nickel	Σ	2450	mg/kg	0.5	63	22	49
Lead	M	2450	mg/kg	0.5	14	14	1900
Selenium	M	2450	mg/kg	0.2	< 0.20	< 0.20	< 0.20
Zinc	Ν	2450	mg/kg	0.5	22	28	1200
Total Organic Carbon	M	2625	%	0.2	< 0.20	< 0.20	0.63
TPH >C5-C6	Z	2670	mg/kg	1	< 1.0	< 1.0	< 1.0
TPH >C6-C7	Z	2670	mg/kg	1	< 1.0	< 1.0	< 1.0
TPH >C7-C8	Z	2670	mg/kg	1	< 1.0	< 1.0	< 1.0
TPH >C8-C10	Z	2670	mg/kg	1	< 1.0	< 1.0	< 1.0
TPH >C10-C12	Z	2670	mg/kg	1	< 1.0	< 1.0	< 1.0
TPH >C12-C16	Z	2670	mg/kg	1	< 1.0	< 1.0	6.2
TPH >C16-C21	Z	2670	mg/kg	1	< 1.0	< 1.0	17
TPH >C21-C35	Z		mg/kg	1	< 1.0	< 1.0	26
Total TPH >C5-C35	z	2670	mg/kg	10	< 10	< 10	49

Results Summary - Soil



Project: J15190 - New Oxford Street Site, London

Client: GEA		Chem	Chemtest Job No.:	No.:	15-17052	15-17052	15-17052
Quotation No.:	ت د	nemtes	Chemtest Sample ID.:	e ID.:	170194	170195	170196
Order No.: J15190		Client	Client Sample Ref.:	Ref.:			
		Clien	Client Sample ID.:	e ID.:	TP3	TP4	TP28
			Sample Type:	Type:	SOIL	SOIL	SOIL
		L	Top Depth (m):	h (m):	0.5	0.4	6.0
		Bott	Bottom Depth(m):	th(m):			
			Date Sampled:	npled:	20-Jul-15	20-Jul-15	20-Jul-15
Determinand	Accred.	SOP	SOP Units LOD	TOD			
Naphthalene	M	2700	mg/kg	0.1	< 0.10	< 0.10	< 0.10
Acenaphthylene	M	2700	2700 mg/kg	0.1	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2700	2700 mg/kg	0.1	< 0.10	< 0.10	< 0.10
Fluorene	M	2700	mg/kg	0.1	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2700	2700 mg/kg	0.1	< 0.10	< 0.10	< 0.10
Anthracene	M	2700	2700 mg/kg	0.1	< 0.10	< 0.10	< 0.10
Fluoranthene	M	2700	mg/kg	0.1	< 0.10	0.13	0.38
Pyrene	Μ	2700	2700 mg/kg	0.1	< 0.10	0.14	0.61
Benzo[a]anthracene	M	2700	2700 mg/kg	0.1	< 0.10	< 0.10	< 0.10
Chrysene	M	2700	mg/kg	0.1	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2700	2700 mg/kg	0.1	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2700	mg/kg	0.1	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	M	2700	mg/kg	0.1	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.1	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.1	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2700	mg/kg	0.1	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	M	2700	mg/kg	2	< 2.0	< 2.0	< 2.0
Total Phenols	M	2920	2920 mg/kg	0.3	< 0.30	08.0 >	08'0>



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, SVCOs, PCBs, Phenols

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

All Asbestos testing is performed at our Coventry 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

Sample Retention and Disposal

All soil samples will be retained for a period of 60 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: <u>customerservices@chemtest.co.uk</u>



Widbury Barn Widbury Hill Ware SG12 0PG

Generic Risk-Based Soil Screening Values

Site New Oxford Street Site, London WC1A 1JJ

Job Number J15190

Client Sollidon Limited

01

Engineer Mason Navarro Pledge

Sheet 1 / 2

Proposed End Use Commercial

Soil pH 8

Soil Organic Matter content % 1.0

	1	
Contaminant	Screening Value mg/kg	Data Source
	Metals	
Arsenic	640	C4SL
Cadmium	410	C4SL
Chromium (III)	30400	LQM/CIEH
Chromium (VI)	49	C4SL
Copper	71,700	LQM/CIEH
Lead	2330	C4SL
Elemental Mercury	170	SGV
Inorganic Mercury	3600	SGV
Nickel	1350	LQM/CIEH
Selenium	13000	SGV
Zinc	665,000	LQM/CIEH
Ну	drocarbons	
Benzene	27	C4SL
Toluene	870	SGV
Ethyl Benzene	48000	SGV
Xylene	475	SGV
Aliphatic C5-C6	3400	LQM/CIEH
Aliphatic C6-C8	8300	LQM/CIEH
Aliphatic C8-C10	2100	LQM/CIEH
Aliphatic C10-C12	10000	LQM/CIEH
Aliphatic C12-C16	61000	LQM/CIEH
Aliphatic C16-C35	1,600,000	LQM/CIEH
Aromatic C6-C7	See Benzene	LQM/CIEH
Aromatic C7-C8	See Toluene	LQM/CIEH
Aromatic C8-C10	3700	LQM/CIEH
Aromatic C10-C12	17000	LQM/CIEH
Aromatic C12-C16	36000	LQM/CIEH
Aromatic C16-C21	28000	LQM/CIEH
Aromatic C21-C35	28000	LQM/CIEH
PRO (C ₅ –C ₁₀)	18397	Calc
DRO (C ₁₂ –C ₂₈)	1,725,000	Calc
Lube Oil (C ₂₈ –C ₄₄)	1,628,000	Calc
ТРН	1000	Trigger for speciated testing

Contaminant	Screening Value mg/kg	Data Source
A	nions	
Soluble Sulphate	500 mg/l	Structures
Sulphide	50	Structures
Chloride	400	Structures
	Others	
Organic Carbon (%)	10	Methanogenic potential
Total Cyanide	12000	WRAS
Total Mono Phenols	3200 PAH	SGV
Naphthalene	200.00	C4SL exp & LQM/CIEH
•		·
Acenaphthylene	84,000	LQM/CIEH
Acenaphthene	85,000	LQM/CIEH
Fluorene	64,000	LQM/CIEH
Phenanthrene	22,000	LQM/CIEH
Anthracene	530,000	LQM/CIEH
Fluoranthene	23,000	LQM/CIEH
Pyrene	54,000	LQM/CIEH
Benzo(a) Anthracene	90.0	C4SL exp & LQM/CIEH
Chrysene	140	C4SL exp & LQM/CIEH
Benzo(b) Fluoranthene	100.0	C4SL exp & LQM/CIEH
Benzo(k) Fluoranthene	140.0	C4SL exp & LQM/CIEH
Benzo(a) pyrene	42.00	C4SL
Indeno(1 2 3 cd) Pyrene	60.0	C4SL exp & LQM/CIEH
Dibenzo(a h) Anthracene	13.00	C4SL exp & LQM/CIEH
Benzo (g h i) Perylene	650	C4SL exp & LQM/CIEH
Screening value for PAH	600.0	B(a)P / 0.15
Chlorina	ted Solven	ts
1,1,1 trichloroethane (TCA)	552	LQM/CIEH
tetrachloroethane (PCA)	150	LQM/CIEH
tetrachloroethene (PCE)	63.1	LQM/CIEH
trichloroethene (TCE)	6.42	LQM/CIEH
1,2-dichloroethane (DCA)	0.71	LQM/CIEH
vinyl chloride (Chloroethene)	0.0587	LQM/CIEH
tetrachloromethane (Carbon tetra	3	LQM/CIEH

79.4

LQM/CIEH

Notes

Concentrations measured below the above values may be considered to represent 'uncontaminated conditions' which pose 'LOW' risk to human health. Concentrations measured in excess of these valuesindicate a potential risk which require further, site specific risk assessment.

SGV - Soil Guideline Value, derived from the CLEA model and published by Environment Agency 2009

LQM/CIEH - Generic Assessment Criteria for Human Health Risk Assessment 2nd edition (2009)derived using CLEA 1.04 model 2009

C4SL - Defra Category 4 Screening value based on Low Level of Toxicological Risk

C4SL exp & LQM/CIEH calculated using C4SL revisions to exposure assessment but LQM/CIEH health croiteria values

Calc - sum of nearest available carbon range specified including BTEX for PRO fraction

B(a)P / 0.15 - GEA experince indicates that Benzo(a) pyrene (one of the most common and most carcenogenic of the PAHs) rarely exceeds 15% of the total PAH concentration, hence this Total PAH threshold is regarded as being conservative

trichloromethane (Chloroform)



Widbury Barn Widbury Hill Ware SG12 0PG

Generic Risk-Based Soil Screening Values

11	Associates	Ware SG12 0PG	Screening Values
Site	New Oxford Street Site, London WC1A 1JJ		Job Number J15190
Client	Sollidon Limited		Sheet
Engineer	Mason Navarro Pledge		2/2
Proposed E	End Use Commercial		
The key ge	eneric assumptions for this end use are as follows;		
	that groundwater will not be a critical risk receptor;		
	that the critical receptor for human health will be a working female aged	I 16 to 65 years old;	
	that the exposure duration will be be 49 years;		
	that the building type equates to a to a three-storey office.		
	that the critical exposure pathways will be direct soil and indoor dust ing dust and vapours;	gestion, skin contact with	n soils and dust, and inhalation of
acceptable are measu	taminant concentrations are measured at concentrations below the gene level of risk and thus further consideration of these contaminant concent red in excess of the generic screening value there is considered to be a praction will be required which could include:	trations is not required.	However, where concentrations
-	additional testing to zone the extent of the contaminated material and the	nus reduce the uncertain	nty with regard to its potential risk;
0	site specific risk assessment to refine the assessment criteria and allow concentration present would pose an unacceptable risk at this site; or	<i>i</i> an assessment to be m	nade as to whether the
-	soil remediation or risk management to mitigate the risk posed by the co	ontaminant to a degree f	that it poses an acceptable risk.



Envirocheck® Report:

Datasheet

Order Details:

Order Number:

69561143_1_1

Customer Reference:

J15190

National Grid Reference:

530180, 181440

Slice:

Α

Site Area (Ha):

0.09

Search Buffer (m):

1000

Site Details:

New Oxford Street Site London WC1A 1JJ

Client Details:

Mr S Branch GEA Ltd Widbury Barn Widbury Hill Ware Herts SG12 7QE



Order Number: 69561143_1_1





Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	55
Hazardous Substances	56
Geological	57
Industrial Land Use	67
Sensitive Land Use	-
Data Currency	145
Data Suppliers	152
Useful Contacts	153

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 the attached 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 v49.0



Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1				5
Enforcement and Prohibition Notices	pg 2				1
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 2			4	6
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 3				Yes
Pollution Incidents to Controlled Waters	pg 3			1	7
Prosecutions Relating to Authorised Processes	pg 5			1	2
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances	pg 5		1	7	104
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 24				1
Water Abstractions	pg 24				10 (*106)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 53	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 53	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 53	Yes	n/a	n/a	n/a
Source Protection Zones					
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
Detailed River Network Lines	pg 53			Yes	n/a
Detailed River Network Offline Drainage					n/a



Summary

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 55				1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites	pg 55				1
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)	pg 56				1
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 57	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 57	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry	pg 62		Yes	Yes	Yes
BGS Urban Soil Chemistry Averages	pg 65	Yes			
Brine Compensation Area			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 65	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 65	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 65	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 66	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



Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 67	1	68	211	648
Fuel Station Entries	pg 144				2
Sensitive Land Use					
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					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status:	Iution Prevention and Controls Insititute of Child Health University Of London, 30 Guildford Street, CAMDEN, WC1N 1EH London Borough of Camden, Pollution Projects Team Not Given 17th November 1992 Local Authority Air Pollution Control PG5/1Clinical waste incineration processes under 1 tonne an hour Authorisation revokedRevoked Manually positioned to the road within the address or location	A18SE (N)	642	4	530304 182088
	Local Authority Pol	lution Prevention and Controls				
11	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status:	Matthew Daniel Dry Cleaners Ltd 13 Theobalds Road, London, Wc1x 8sl London Borough of Camden, Pollution Projects Team PPC/DC26 24th January 2007 Local Authority Pollution Prevention and Control PG6/46 Dry cleaning Permitted Located by supplier to within 10m	A19SW (NE)	676	4	530743 181846
	-	lution Prevention and Controls				
12	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status:	Soho Dry Cleaners 15 Berwick Street, London, W1f 0pr Westminster City Council, Environmental Health Department 07/14023/EE1EP 15th June 2007 Local Authority Pollution Prevention and Control PG6/46 Dry cleaning Permitted Manually positioned to the address or location	A7NE (SW)	737	5	529528 181048
	Local Authority Pol	lution Prevention and Controls				
13	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status:	Totalfinaelf 3-16 Woburn Place, London, Wc1 9lw London Borough of Camden, Pollution Projects Team Not Given 1st April 1999 Local Authority Air Pollution Control PG1/14 Petrol filling station Site Closed Located by supplier to within 10m	A18NW (N)	754	4	530075 182204
	Local Authority Pol	lution Prevention and Controls				
14	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy:	Twins 22 D'Arblay Street, London, W1f 8eq Westminster City Council, Environmental Health Department 07/14067/EE1EP 15th June 2007 Local Authority Pollution Prevention and Control PG6/46 Dry cleaning Permitted Manually positioned to the address or location	A12SW (W)	796	5	529416 181147
	Nearest Surface Wa	ter Feature	4.500.4	005		500010
			A9SW (SE)	925	-	530640 180618
15	Property Type: Location: Authority: Pollutant: Note: Incident Date: Incident Reference: Catchment Area: Receiving Water: Cause of Incident: Incident Severity:	to Controlled Waters Not Given LONDON, WC1 Environment Agency, Thames Region Miscellaneous - Fire water / Foam Not Supplied 6th January 1996 SE960007 Not Given Not Given Not Given Category 3 - Minor Incident Located by supplier to within 100m	A13NE (NE)	395	3	530500 181700



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Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	Property Type: Location: Authority: Pollutant: Note: Incident Date: Incident Reference: Catchment Area: Receiving Water: Cause of Incident: Incident Severity:	to Controlled Waters Not Given ST PANCROS Environment Agency, Thames Region Unknown Sewage Confirmed incident 10th January 1999 THNE 1999041585 Not Given Not Given Not Given Category 3 - Minor Incident Approximate location provided by supplier	A18SW (N)	570	3	530001 182001
17	Property Type: Location: Authority: Pollutant: Note: Incident Date: Incident Reference: Catchment Area: Receiving Water: Cause of Incident: Incident Severity:	to Controlled Waters Not Given LONDON, WC1 Environment Agency, Thames Region Oils - Unknown Not Supplied 16th January 1996 SE960017 Not Given Not Given Not Given Category 3 - Minor Incident Located by supplier to within 100m	A18SW (NW)	718	3	529850 182100
18	Property Type: Location: Authority: Pollutant: Note: Incident Date: Incident Reference: Catchment Area: Receiving Water: Cause of Incident: Incident Severity:	to Controlled Waters Not Given Waterloo Police Station Environment Agency, Thames Region Oils - Unknown Confirmed As A Pollution Incident 17th May 1991 SE910114 Not Given Not Given Not Given Category 2 - Significant Incident Located by supplier to within 100m	A8SE (S)	745	3	530300 180680
19	Property Type: Location: Authority: Pollutant: Note: Incident Date: Incident Reference: Catchment Area: Receiving Water: Cause of Incident: Incident Severity:	to Controlled Waters Not Given Victoria Embankment Environment Agency, Thames Region Unknown Sewage Confirmed As A Pollution Incident 1st February 1991 SE910031 Not Given Not Given Not Given Category 3 - Minor Incident Located by supplier to within 100m	A9SW (SE)	897	3	530640 180650
20	Property Type: Location: Authority: Pollutant: Note: Incident Date: Incident Reference: Catchment Area: Receiving Water: Cause of Incident: Incident Severity:	to Controlled Waters Not Given Embankment, LONDON, WC2 Environment Agency, Thames Region Storm Sewage Confirmed incident 9th April 1999 THSE1999042604 Not Given Not Given Not Given Category 3 - Minor Incident Located by supplier to within 10m	A9SW (SE)	921	3	530600 180600
21	Property Type: Location: Authority: Pollutant: Note: Incident Date: Incident Reference: Catchment Area: Receiving Water: Cause of Incident: Incident Severity:	to Controlled Waters Not Given Embankment Environment Agency, Thames Region Unknown Sewage Confirmed As A Pollution Incident 25th December 1990 SE900348 Not Given Not Given Not Given Category 3 - Minor Incident Located by supplier to within 100m	A9SW (SE)	949	3	530800 180700



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Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	Registered Radioac Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status:	University College London 67-73 Charles Bell House, Riding House Street, London, W1W 7EJ Environment Agency, Thames Region Bw7376 1st December 2003 Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Minor variation to authorisation under RSA Authorisation superseded by a substantial or non substantial variationSuperseded	A12NW (W)	986	3	529213 181713
	Positional Accuracy: Registered Radioac	Automatically positioned to the address				
51	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy:	University College London Medical School, University Street, LONDON, WC1 Environment Agency, Thames Region AA0132 6th February 1992 Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Registration under the Act of an open source which is also the subject of an authorisation dated pre April 1991 Authorisation superseded by a substantial or non substantial variationSuperseded Automatically positioned to the address	A17NW (NW)	966	3	529490 182147
	Substantiated Pollu	tion Incident Register				
52	Authority: Incident Date: Incident Reference: Water Impact: Air Impact: Land Impact: Positional Accuracy: Pollutant:	Environment Agency - Thames Region, North East Area 2nd August 2002 96824 Category 4 - No Impact Category 2 - Significant Incident Category 4 - No Impact Located by supplier to within 10m Inorganic Chemicals : Acids	A12NW (W)	888	3	529299 181651
	Water Abstractions					
53	Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	London School Of Hygiene And Tropical Medicine Th/039/0039/031 Keppel Street, Bloomsbury, London - Borehole 1 Environment Agency, Thames Region Other Industrial/Commercial/Public Services: Heat Pump Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Not Supplied O1 April 31 March 8th November 2010 Not Supplied Located by supplier to within 10m	A18SW (NW)	509	3	529860 181863
	Water Abstractions					
53	Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	London School Of Hygiene And Tropical Medicine Th/039/0039/031 Keppel Street, Bloomsbury, London - Borehole 2 Environment Agency, Thames Region Other Industrial/Commercial/Public Services: Heat Pump Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Not Supplied O1 April 31 March 8th November 2010 Not Supplied Located by supplier to within 10m	A18SW (NW)	512	3	529858 181865



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Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Licence Number:	London Underground Limited Th/039/0039/011	A1SW	1968	3	528813
	Permit Version: Location: Authority: Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date:	1 Green Park, Westminster, London - Borehole A Environment Agency, Thames Region Other Industrial/Commercial/Public Services: Heat Pump Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Not Supplied O1 April 31 March 24th December 2009 Not Supplied Located by supplier to within 10m	(SW)			179986
	-	Prudential Assurance Co Ltd 28/39/39/0034 Not Supplied Alder House, Aldersgate St, LONDON, Ec1 Environment Agency, Thames Region Office Not Supplied Groundwater 45 11137 Chalk (Undifferentiated) Not Supplied Located by supplier to within 100m	(E)	2000	3	532200 181400
	Groundwater Vulne Soil Classification: Map Sheet: Scale: Drift Deposits	rability Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise Sheet 40 Thames Estuary 1:100,000	A13NW (NW)	0	3	530178 181437
	None					
	Bedrock Aquifer De Aquifer Designation:	signations Unproductive Strata	A13NW (NW)	0	2	530178 181437
	Superficial Aquifer Aquifer Designation:	Designations Secondary Aquifer - A	A13NW (NW)	0	2	530178 181437
	Extreme Flooding for None	rom Rivers or Sea without Defences				
	None	rs or Sea without Defences				
	Areas Benefiting fro					
	None	e Areas				
	Flood Defences None					
58	Detailed River Netw River Type: River Name: Hydrographic Area: Hydrographic Area: River Flow Type: River Surface Level: Drain Feature: Flood Risk Management Status: Water Course Name: Water Course	Extended Culvert (greater than 50m) Regent's Canal D006 Primary Flow Path Below Surface Not a Drain Other Rivers	A14NW (NE)	381	3	530532 181626



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Detailed River Network Offline Drainage				
	None				

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Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
59	Historical Landfill S Licence Holder: Location: Name: Operator Location: Boundary Accuracy: Provider Reference: First Input Date: Last Input Date: Specified Waste Type: EA Waste Ref: Regis Ref: WRC Ref:	Not Supplied Lincolns Inn Fields, London WC2A Portugal Street Not Supplied As Supplied	A14SW (E)	560	3	530731 181256
	BGS Ref: Other Ref:	Not Supplied IMP006				
	Local Authority Lan Name:	dfill Coverage London Borough of Camden - Has no landfill data to supply		0	8	530178 181437
	Local Authority Lan Name:	dfill Coverage Westminster City Council - Has supplied landfill data		238	5	530348 181249
	Local Authority Lan Name:	dfill Coverage Corporation of London - Has no landfill data to supply		787	9	530967 181612
60	Licence Holder: Licence Reference: Site Location: Operator Location: Authority: Site Category: Max Input Rate: Waste Source Restrictions: Licence Status: Dated: Preceded By Licence: Superseded By Licence:	Imperial Cancer Research Fund DL354 44-49 Lincoln's Inn Fields, WESTMINSTER, London, WC2A 3PX PO Box 123, Lincoln's Inn Fields, LONDON, Greater London, WC2A 3PH Environment Agency - Thames Region, North East Area Incineration Very Small (Less than 10,000 tonnes per year) No known restriction on source of waste Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled 1st October 1991 Not Given Manually positioned to the address or location Not Supplied Clinical - As In Coll/Disp.Regs Of '88 Lwra Cat. Bi Gen.Non-Putresc - Only Max.Waste Permitted By Licence-Stated Organic Solvents Paper/Cardboard Waste Plastics As Lab.Cont'Rs/Pack'G Mat'Ls Special Wastes N.O.S. Waste N.O.S.	A14SW (E)	596	3	530770 181260



Hazardous Substances

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Control of Major Ac	cident Hazards Sites (COMAH)				
61	Name: Location: Reference: Type: Status: Positional Accuracy:	Shell UK Ltd Shell Mex House, 80 Strand, London, WC2R 0ZA Not Supplied Lower Tier Record Ceased To Be Supplied Under COMAH Regulations Automatically positioned to the address	A8SE (S)	836	6	530476 180636

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Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid	d Geology				
	Description:	Thames Group	A13NW (NW)	0	2	530178 181437
	BGS Estimated Soil	Chemistry	(::::)			
	Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration:	British Geological Survey, National Geoscience Information Service London no data	A13NW (NW)	0	2	530178 181437
	Chromium Concentration: Lead Concentration: Nickel	no data no data no data				
	Concentration:	I O I Tark				
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration:	British Geological Survey, National Geoscience Information Service London no data no data	A13NW (W)	163	2	530000 181437
	Lead Concentration: Nickel Concentration:	no data no data				
	BGS Estimated Soil	-				
	Source: Soil Sample Type: Arsenic Concentration:	British Geological Survey, National Geoscience Information Service London no data	A13SE (SE)	332	2	530351 181135
	Cadmium Concentration: Chromium Concentration:	no data				
	Lead Concentration: Nickel Concentration:	no data no data				
	BGS Estimated Soil	•		250		
	Source: Soil Sample Type: Arsenic Concentration: Cadmium	British Geological Survey, National Geoscience Information Service London no data	A13SE (SE)	350	2	530473 181215
	Concentration: Chromium Concentration:	no data				
	Lead Concentration: Nickel Concentration:	no data				
	BGS Estimated Soil Source:	Chemistry British Geological Survey, National Geoscience Information Service	A14SW	384	2	530550
	Soil Sample Type: Arsenic Concentration:	London no data	(SE)	304	۷	181276
	Cadmium Concentration: Chromium Concentration:	no data				
	Lead Concentration: Nickel Concentration:	no data no data				
	BGS Estimated Soil					
	Source: Soil Sample Type: Arsenic Concentration:	British Geological Survey, National Geoscience Information Service London no data	A8NW (S)	413	2	530178 181000
	Cadmium Concentration: Chromium	no data				
	Concentration: Lead Concentration: Nickel Concentration:	no data no data				





Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Urban Soil Che	emistry Averages				
	Source: Sample Area: Count Id:	British Geological Survey, National Geoscience Information Service London 7189	A13NW (NW)	0	2	530178 181437
	Arsenic Minimum Concentration:	1.00 mg/kg				
	Arsenic Average Concentration:	17.00 mg/kg				
	Arsenic Maximum Concentration:	161.00 mg/kg				
	Cadmium Minimum Concentration:					
	Cadmium Average Concentration:	0.90 mg/kg				
	Cadmium Maximum Concentration:					
	Chromium Minimum Concentration:					
	Chromium Average Concentration: Chromium Maximum					
	Concentration:	11.00 mg/kg				
	Concentration: Lead Average	280.00 mg/kg				
	Concentration: Lead Maximum	10000.00 mg/kg				
	Concentration: Nickel Minimum	2.00 mg/kg				
	Concentration: Nickel Average	28.00 mg/kg				
	Concentration: Nickel Maximum	506.00 mg/kg				
	Concentration:					
	<u> </u>	not be affected by coal mining eas of Great Britain				
	No Hazard	eas of Great Britain				
		sible Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	2	530178 181437
		sible Ground Stability Hazards	(****)			101101
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	A13NW (W)	163	2	530000 181437
	Potential for Compr Hazard Potential: Source:	ressible Ground Stability Hazards No Hazard British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	2	530178 181437
		ressible Ground Stability Hazards No Hazard	A13NW	163	2	530000
	Source:	British Geological Survey, National Geoscience Information Service	(W)			181437
	Hazard Potential: Source:	d Dissolution Stability Hazards No Hazard British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	2	530178 181437
		d Dissolution Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	A13NW (W)	163	2	530000 181437
		ide Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	2	530178 181437
	Potential for Landsl Hazard Potential: Source:	ide Ground Stability Hazards Very Low British Geological Survey, National Geoscience Information Service	A13NW (W)	163	2	530000 181437
	Potential for Runnir Hazard Potential: Source:	ng Sand Ground Stability Hazards Very Low British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	2	530178 181437
		ng Sand Ground Stability Hazards Very Low	A13NW	163	2	530000
	Source:	British Geological Survey, National Geoscience Information Service	(W)			181437



Geological

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Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR	
	Potential for Shrinking or Swelling Clay Ground Stability Hazards						
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	2	530178 181437	
	Potential for Shrink	ring or Swelling Clay Ground Stability Hazards					
	Hazard Potential: Source:	Moderate British Geological Survey, National Geoscience Information Service	A13NW (SE)	0	2	530179 181437	
	Potential for Shrink	ring or Swelling Clay Ground Stability Hazards					
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	A13NW (W)	163	2	530000 181437	
	Potential for Shrink	ring or Swelling Clay Ground Stability Hazards					
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	A13SE (SE)	179	2	530325 181306	
	Potential for Shrink	ring or Swelling Clay Ground Stability Hazards					
	Hazard Potential: Source:	Moderate British Geological Survey, National Geoscience Information Service	A13SW (SW)	189	2	530000 181326	
	Potential for Shrink	ring or Swelling Clay Ground Stability Hazards					
	Hazard Potential: Source:	Moderate British Geological Survey, National Geoscience Information Service	A13NW (NW)	220	2	530000 181601	
	Potential for Shrink	ring or Swelling Clay Ground Stability Hazards					
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	A13NW (NW)	224	2	530000 181607	
	Radon Potential - R	adon Protection Measures					
	Protection Measure:	No radon protective measures are necessary in the construction of new dwellings or extensions	A13NW (NW)	0	2	530178 181437	
	Source:	British Geological Survey, National Geoscience Information Service					
	Radon Potential - R	Radon Affected Areas					
	Affected Area:	The property is in a lower probability radon area, as less than 1% of homes are above the action level	A13NW (NW)	0	2	530178 181437	
	Source:	British Geological Survey, National Geoscience Information Service					



Industrial Land Use

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Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
62	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Oven Cleaning Bloomsbury 37, New Oxford Street, London, WC1A 1BH Oven cleaning Inactive Automatically positioned to the address	A13NW (N)	0	-	530181 181450
62	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries The Ghost Bus Tours 33, New Oxford Street, London, WC1A 1BH Bus & Coach Operators & Stations Active Manually positioned to the address or location	A13NE (NE)	1	-	530190 181448
62	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Office 24 (Uk) Ltd 38, New Oxford Street, London, WC1A 1EP Copying & Duplicating Services Inactive Automatically positioned to the address	A13NW (NW)	26	-	530156 181480
62	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Ss Graphics Ltd 21, Museum Street, London, WC1A 1JN Printers Active Automatically positioned to the address	A13NW (N)	36	-	530166 181492
62	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Casada Cushion 20, Museum Street, London, WC1A 1JN Soft Furnishings - Manufacturers Inactive Automatically positioned to the address	A13NW (N)	36	-	530166 181492
63	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Gnewt Cargo 13, West Central Street, London, WC1A 1AB Road Haulage Services Active Automatically positioned to the address	A13SW (SW)	12	-	530157 181409
64	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries The London Print Co 212, Shaftesbury Avenue, London, WC2H 8EB Printers Active Automatically positioned to the address	A13SW (SW)	62	-	530122 181373
65	Contemporary Trade Name: Location: Classification: Status:		A13NE (NE)	73	-	530 <u>2</u> 51 181496
66	Contemporary Trade Name: Location: Classification: Status:		A13NW (W)	85	-	530080 181461
66	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Kerry Repairs 56a New Oxford St, London, WC1A 1AW Photographic Equipment Repairs Active Manually positioned to the address or location	A13NW (W)	93	-	530072 181458
67	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Exchem Plc Commonwealth House, 1-19, New Oxford Street, London, WC1A 1NF Chemicals & Allied Products Inactive Automatically positioned to the address	A13NE (E)	94	-	530293 181457
67	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Copy Express London Ltd 15-17, New Oxford Street, London, WC1A 1BA Copying & Duplicating Services Active Automatically positioned to the address	A13NE (E)	94	-	530292 181457



Industrial Land Use

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Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
67	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries K I (Uk) Ltd 149-153, High Holborn, London, WC1V 6PJ Office Furniture & Equipment Inactive Automatically positioned to the address	A13NE (E)	94	-	530293 181457
67	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Ki Europe Ltd 149-153, High Holborn, London, WC1V 6PJ Office Furniture & Equipment Active Automatically positioned to the address	A13NE (E)	94	-	530293 181457
68	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Chemical Wire Bm Box 9004, London, WC1N 3XX Chemical Manufacturers Inactive Manually positioned within the geographical locality	A13SE (SE)	99	-	530283 181380
68	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Relonchem Ltd 27 Old Gloucester Street, London, WC1N 3XX Pharmaceutical Manufacturers & Distributors Active Manually positioned within the geographical locality	A13SE (SE)	99	-	530283 181380
69	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Oce Copiers (Uk) Ltd Alton House, 174-177, High Holborn, London, WC1V 7AA Copying & Duplicating Machines & Supplies Inactive Automatically positioned to the address	A13SW (S)	103	-	530178 181311
69	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Kobe Steel (Europe) Ltd Alton House, 174-177, High Holborn, London, WC1V 7AA Metal Products - Fabricated Inactive Manually positioned to the address or location	A13SW (S)	103	-	530178 181311
70	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Ihs Global Ltd Albion House, 55-59, New Oxford Street, London, WC1A 1BS Chemical Engineers Active Manually positioned to the address or location	A13SW (W)	112	-	530052 181413
71	Contemporary Trad Name: Location: Classification: Status:		A13NE (N)	116	-	530192 181573
71	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Icon Imaging Services Ltd E, 24, Little Russell Street, London, WC1A 2HS Photo & Digital Imaging Bureaus Inactive Automatically positioned to the address	A13NE (N)	116	-	530192 181573
71	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Addari Osseo Lab 8f, Gilbert Place, London, WC1A 2JD Medical & Dental Laboratories Active Manually positioned to the address or location	A13NE (N)	122	-	530188 181579
71	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Pest Free 22, Little Russell Street, London, WC1A 2HL Pest & Vermin Control Inactive Manually positioned to the address or location	A13NE (N)	123	-	530203 181579
71	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Pest Free (Uk) Ltd 22, Little Russell Street, London, WC1A 2HL Pest & Vermin Control Inactive Manually positioned to the address or location	A13NE (N)	123	-	530203 181579



Industrial Land Use

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Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
71	Location: 1 Classification: F Status: F	Directory Entries Camera City 16, Little Russell Street, London, WC1A 2HL Photographic Equipment Repairs Active Automatically positioned to the address	A13NE (N)	151	-	530230 181601
72	Location: 1 Classification: E Status: I	Directory Entries Dry Cleaning & Laundry Co 18, Bloomsbury Street, London, WC1B 3QA Dry Cleaners nactive Automatically positioned to the address	A13NW (NW)	136	-	530042 181514
72	Location: 1 Classification: E Status: I	Directory Entries Dry Cleaning Direct 18, Bloomsbury Street, London, WC1B 3QA Dry Cleaners nactive Manually positioned to the address or location	A13NW (NW)	136	-	530042 181514
72	Location: 9 Classification: C Status: I	Directory Entries Farmac Topblock Ltd 91, Great Russell Street, London, WC1B 3PS Concrete Products nactive Manually positioned to the address or location	A13NW (NW)	172	-	530028 181560
73	Location: E Classification: H Status: I	Directory Entries Bupa Hospitals Bupa House, 15-19, Bloomsbury Way, London, WC1A 2BA Hospitals nactive Automatically positioned to the address	A13NE (NE)	146	-	530314 181534
74	Location: 8 Classification: F Status: I	Directory Entries Michael Dyer Associates Ltd B1a, Endell Street, London, WC2H 9DX Photographic Processors nactive Automatically positioned to the address	A13SW (S)	149	-	530112 181275
74	Location: E Classification: M Status: I	Directory Entries The Sinnet Partnership B, 81, Endell Street, London, WC2H 9DX Mechanical Engineers nactive Automatically positioned to the address	A13SW (S)	149	-	530112 181275
74	Location: F Classification: F Status: F	Directory Entries Service Point Uk Ltd Rear Of 81, Endell Street, London, WC2H 9AJ Printers Active Automatically positioned to the address	A13SW (S)	149	-	530112 181275
74	Location: 8 Classification: F Status: I	Directory Entries Dyer 31a, Endell Street, London, WC2H 9DX Photographic Processors nactive Automatically positioned to the address	A13SW (S)	149	-	530112 181275
74	Contemporary Trade Name: A Location: 1 Classification: C Status: A		A13SW (SW)	175	-	530088 181258
74	Location: 8 Classification: F Status: I	Directory Entries T Stock (International) Ltd B1a Endell St, London, WC2H 9AJ Photographic Processors nactive Manually positioned to the address or location	A13SW (SW)	176	-	530098 181252
75	Contemporary Trade Name: F Location: 1 Classification: T Status: II	•••	A13SE (SE)	152	-	530309 181329



Data Suppliers

A selection of organisations who provide data within this report

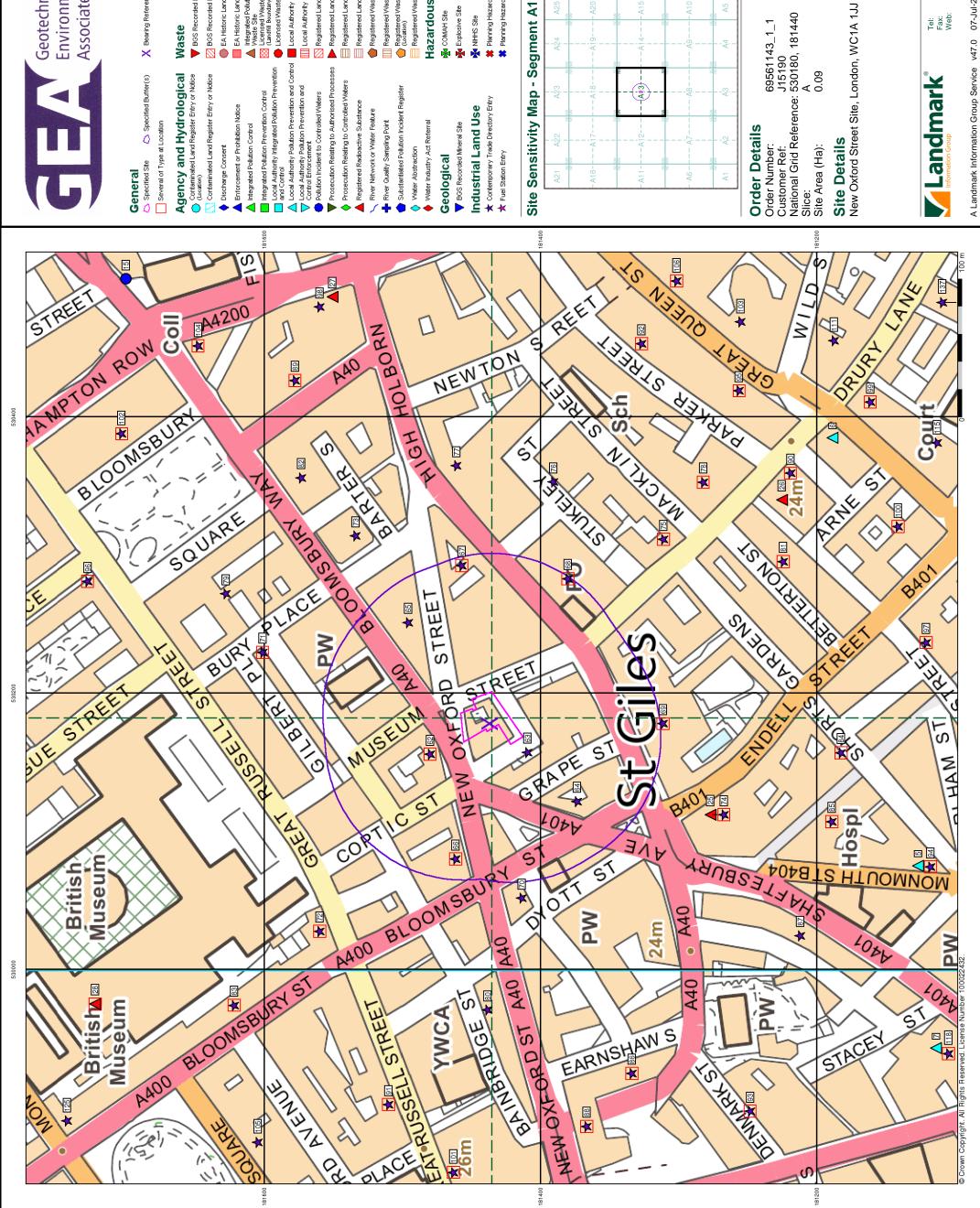
Data Supplier	Data Supplier Logo
Ordnance Survey	Ordnance Survey® Licensed Partner
Environment Agency	Environment Agency
Scottish Environment Protection Agency	SEPA Scottish Environment Protection Agency
The Coal Authority	THE COAL AUTHORITY
British Geological Survey	British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	Cyfoeth Naturiol Cymru Natural Resources Wales
Scottish Natural Heritage	SCOTTISH NATURAL HERITAGE 댄스들의
Natural England	NATURAL ENGLAND
Public Health England	Public Health England
Ove Arup	ARUP
Peter Brett Associates	peterbrett



Useful Contacts

Contact	Name and Address	Contact Details
2	British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
3	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
4	London Borough of Camden - Pollution Projects Team Seventh Floor, Town Hall Extension, Argyle Street, London, WC1H 8EQ	Telephone: 020 7278 4444 Fax: 020 7860 5713 Website: www.camden.gov.uk
5	Westminster City Council - Environmental Health Department Council House, Marylebone Road, London, NW1 5PT	Telephone: 020 7641 1317 Fax: 020 7641 1142 Website: www.westminster.gov.uk
6	Health and Safety Executive 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
7	Natural England Suite D, Unex House, Bourges Boulevard, Peterborough, Cambridgeshire, PE1 1NG	Telephone: 0845 600 3078 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
8	London Borough of Camden Town Hall, Judd Street, London, WC1H 9JE	Telephone: 020 7974 4444 Fax: 020 7974 6866 Email: info@camden.gov.uk Website: www.camden.gov.uk
9	City of London - Environmental Health Department P O Box 270, Corporation Of London, Guildhall, London, EC2P 2EJ	Telephone: 020 7606 3030 Fax: 020 7332 1623 Email: Ehcp.citypollution@corpoflondon.gov.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.





8 Map ID

EA Historic Landfill (Buffered Point)

N BGS Recorded Landfill Site

Licensed Waste Management Facility (Landfill Boundary)

ority Pollution Prevention and

Prosecution Relating to Controlled Waters

Registered Landfill Site (Point Buffered to

Registered Landfill Site (Point Buffered to

Registered Waste Transfer Site (Location)

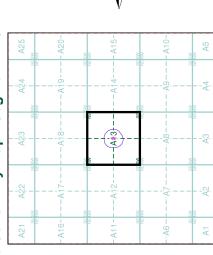
Registered Waste Transfer Site

Registered Waste Treatment or Disposal Site (Location) Registered Waste Treatment or Disposal Site

Hazardous Substances

Planning Hazardous Substance Consent

Site Sensitivity Map - Segment A13

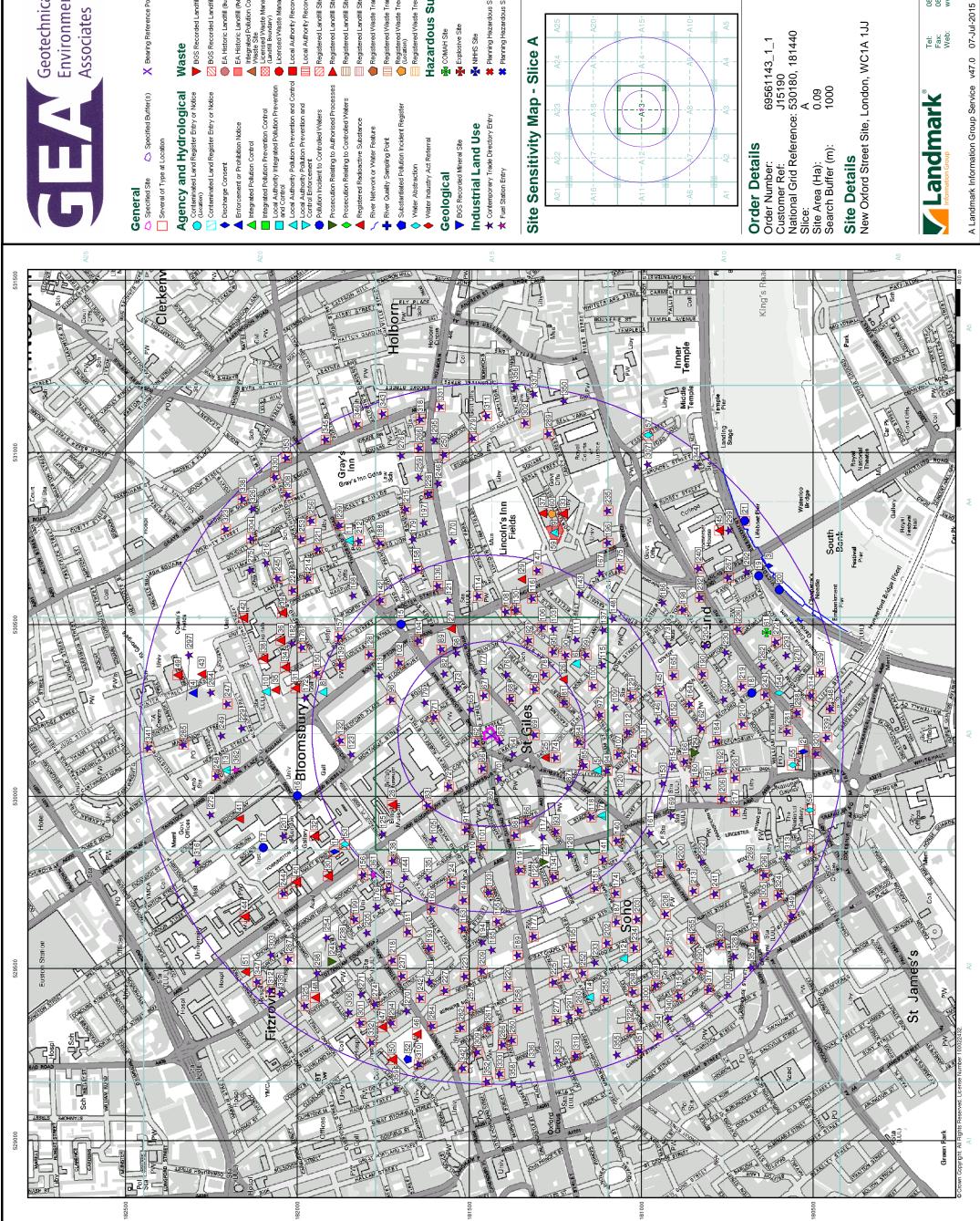


Order Details
Order Number: 69561143_1_1
Customer Ref: J15190
Mational Grid Reference: 530180, 181440



Page 1 of 1 Tel: Fax: Web:

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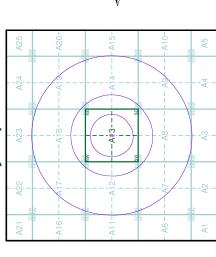


Contaminated Land Register Entry or Noti

Industrial Land Use

Hazardous Substances

Site Sensitivity Map - Slice A



Order Details
Order Number: 69561143_1_1
Customer Ref: J15190
National Grid Reference: 530180, 181440
Slice: A
Site Area (Ha): 0.09
Search Buffer (m): 1000



Tel: Fax: Web: