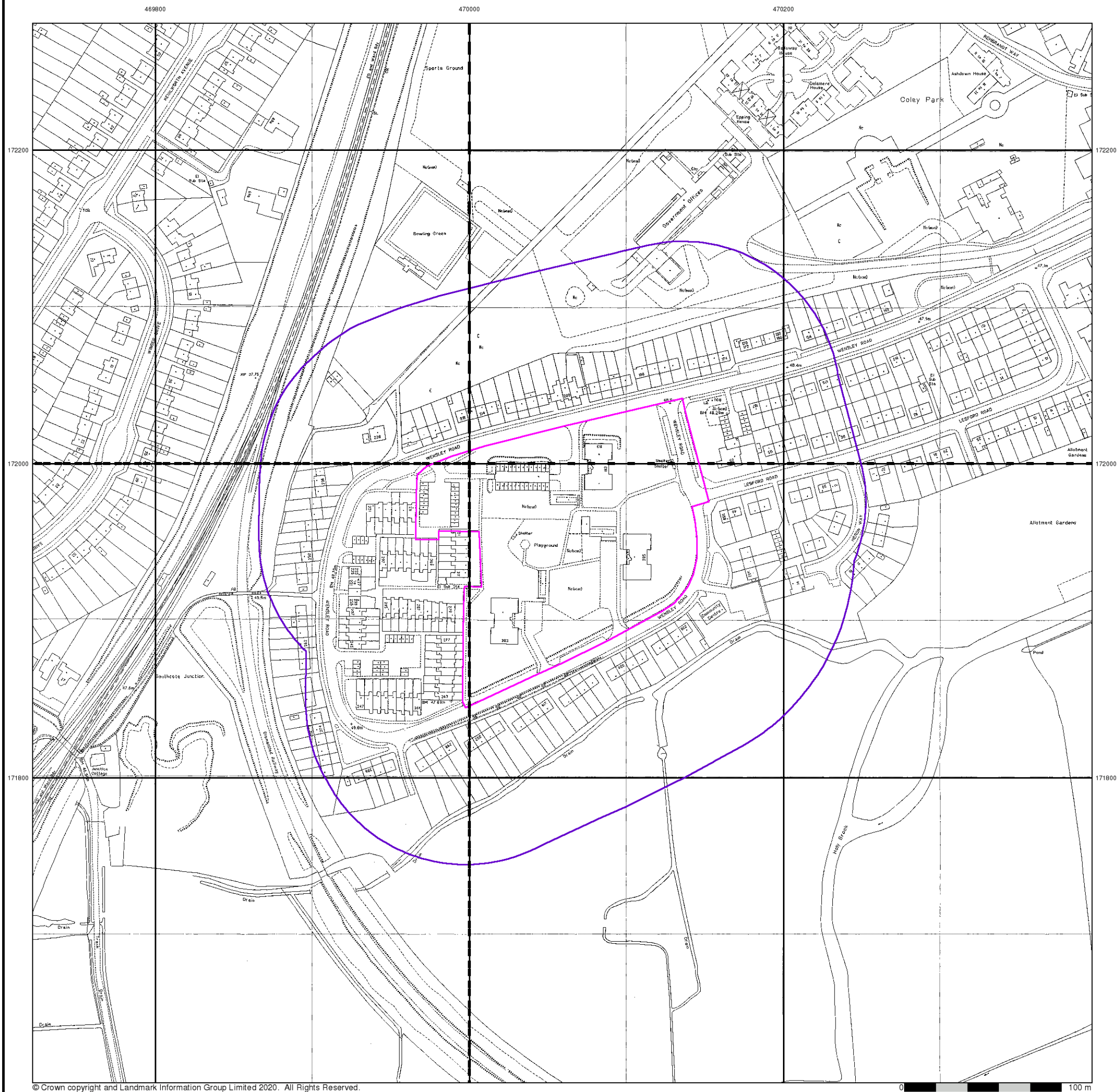




**Geo-Environmental
Large-Scale National Grid Data**

Published 1993

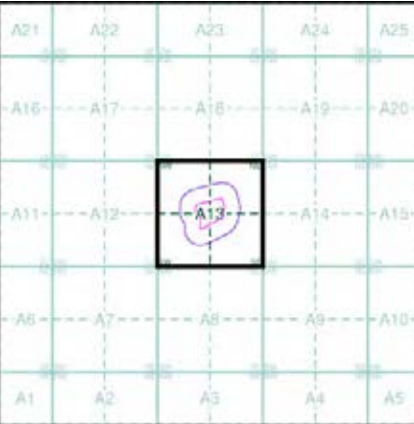
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SU8972SE 1993 1:1,250	SU7072SW 1993 1:1,250
SU8971NE 1993 1:1,250	SU7071NW 1993 1:1,250

Historical Map - Segment A13



Order Details

Order Number: 233825467_1_1
Customer Ref: GE18760
National Grid Reference: 470060, 171950
Slice: A
Site Area (Ha): 2.26
Search Buffer (m): 100

Site Details

Wensley Road, READING, RG1 6DR



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Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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0 100 m



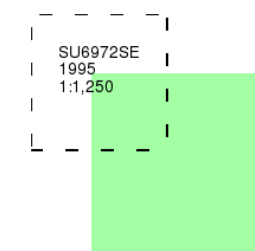
Geo-Environmental Large-Scale National Grid Data

Published 1995

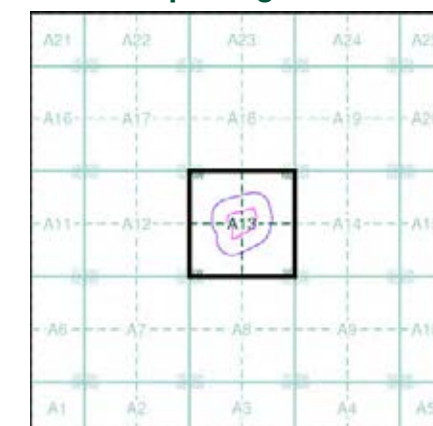
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

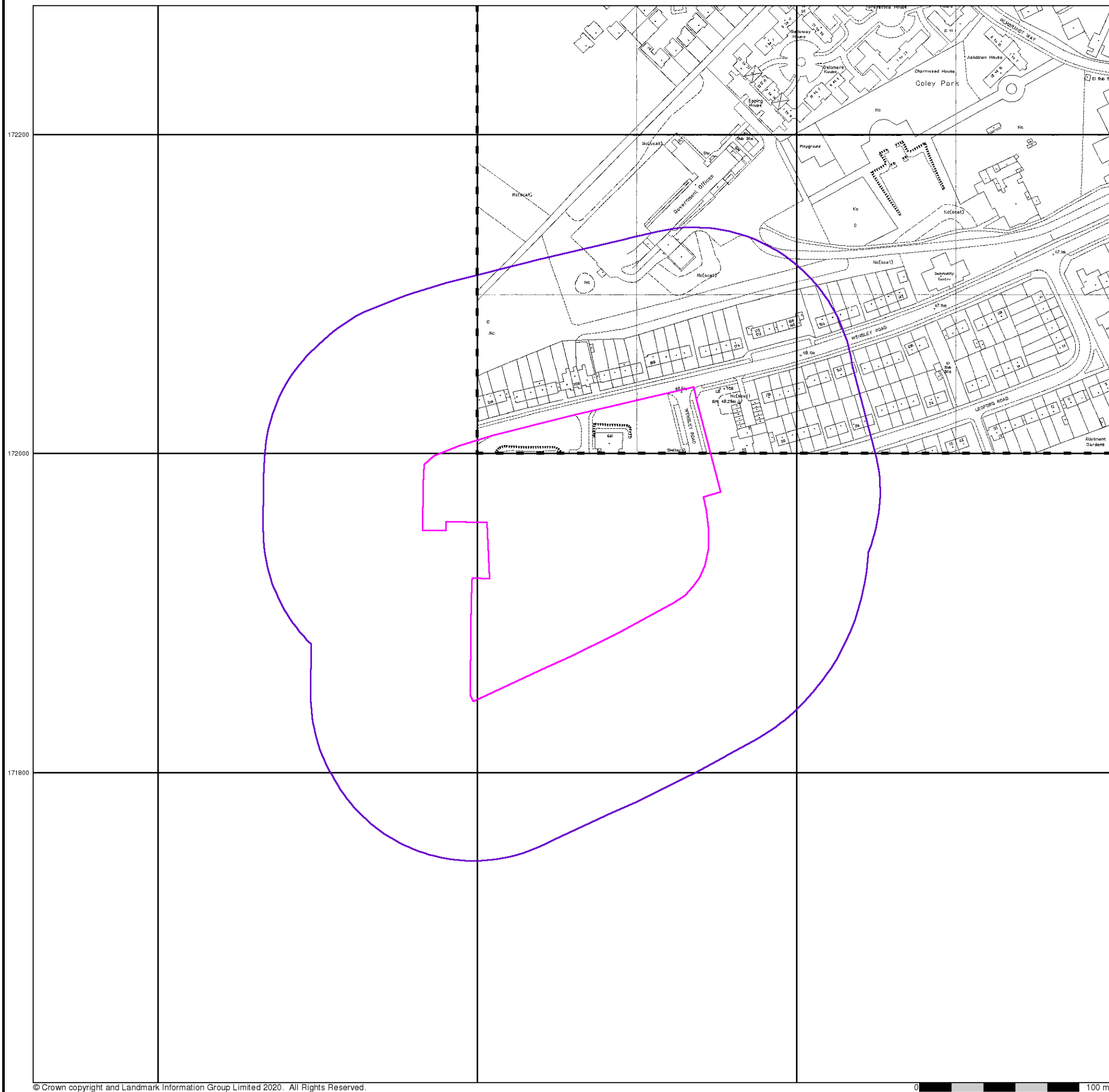
Order Number: 233825467_1_1
Customer Ref: GE18760
National Grid Reference: 470060, 171950
Slice: A
Site Area (Ha): 2.26
Search Buffer (m): 100

Site Details

Wensley Road, READING, RG1 6DR



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172200

172000

171800

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0 100 m



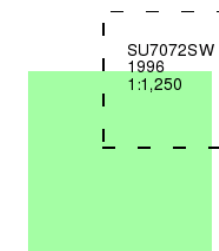
Geo-Environmental Large-Scale National Grid Data

Published 1996

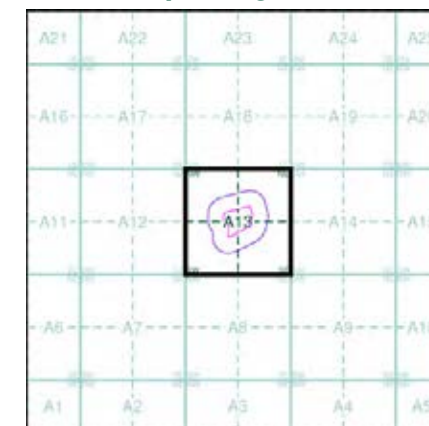
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 233825467_1_1
Customer Ref: GE18760
National Grid Reference: 470060, 171950
Slice: A
Site Area (Ha): 2.26
Search Buffer (m): 100

Site Details

Wensley Road, READING, RG1 6DR

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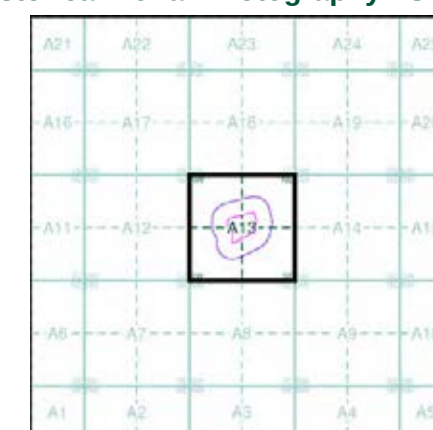


Geo-Environmental Historical Aerial Photography

Published 1999

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment A13



Order Details

Order Number: 233825467_1_1
Customer Ref: GE18760
National Grid Reference: 470060, 171950
Slice: A
Site Area (Ha): 2.26
Search Buffer (m): 100

Site Details

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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

	Gravel Pit		Sand Pit		Other Pits
	Quarry		Shingle		Orchard
	Osiers		Reeds		Marsh
	Mixed Wood		Deciduous		Brushwood
	Fir		Furze		Rough Pasture
	Arrow denotes flow of water		Trigonometrical Station		
	Site of Antiquities		Bench Mark		
	Pump, Guide Post, Signal Post		Well, Spring, Boundary Post		
	•285 Surface Level				
	Sketched Contour		Instrumental Contour		
	Main Roads		Minor Roads		
	Sunken Road		Raised Road		
	Road over Railway		Railway over River		
	Railway over Road		Level Crossing		
	Road over River or Canal		Road over Stream		
	Road over Stream				
	County Boundary (Geographical)				
	County & Civil Parish Boundary				
	Administrative County & Civil Parish Boundary				
	County Borough Boundary (England)				
	County Burgh Boundary (Scotland)				
	Rural District Boundary				
	Civil Parish Boundary				

Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Bracken		Heath
	Marsh		Reeds
	Building		Glasshouse
	Sloping Masonry		Pylon
	Cutting		Embankment
	Road Under		Road Over
	Level Crossing		Foot Bridge
	Standard Gauge Multiple Track		Standard Gauge Single Track
	Siding, Tramway or Mineral Line		Narrow Gauge
	Geographical County		Administrative County, County Borough or County of City
	Municipal Borough, Urban or Rural District, Burgh or District Council		Borough, Burgh or County Constituency
	Civil Parish		
	BP, BS Boundary Post or Stone		Police Station
	Church		Post Office
	Club House		Public Convenience
	Fire Engine Station		Public House
	Foot Bridge		Signal Box
	Fountain		Spring
	Guide Post		Telephone Call Box
	Mile Post		Telephone Call Post
	Mile Stone		Well

1:10,000 Raster Mapping

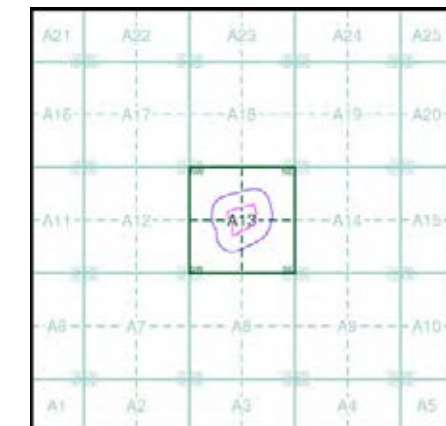
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
	Area of wooded vegetation		Non-coniferous trees
	Non-coniferous trees (scattered)		Coniferous trees
	Coniferous trees (scattered)		Positioned tree
	Orchard		Coppice or Osiers
	Rough Grassland		Heath
	Scrub		Marsh, Salt Marsh or Reeds
	Water feature		Flow arrows
	Mean high water (springs)		Mean low water (springs)
	Telephone line (where shown)		Electricity transmission line (with poles)
	Bench mark (where shown)		Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)		Pylon, flare stack or lighting tower
	Site of (antiquity)		Glasshouse
	General Building		Important Building



Geo-Environmental Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Berkshire	1:10,560	1883	3
Berkshire	1:10,560	1900	4
Berkshire	1:10,560	1901	5
Berkshire	1:10,560	1913 - 1914	6
Berkshire	1:10,560	1932 - 1933	7
Berkshire	1:10,560	1938	8
Berkshire	1:10,560	1938	9
Historical Aerial Photography	1:10,560	1948 - 1949	10
Ordnance Survey Plan	1:10,000	1961 - 1962	11
Ordnance Survey Plan	1:10,000	1968	12
Ordnance Survey Plan	1:10,000	1973 - 1976	13
Ordnance Survey Plan	1:10,000	1979	14
Ordnance Survey Plan	1:10,000	1983	15
Ordnance Survey Plan	1:10,000	1990 - 1992	16
Reading	1:10,000	1990	17
Ordnance Survey Plan	1:10,000	1995	18
10K Raster Mapping	1:10,000	1999	19
10K Raster Mapping	1:10,000	2006	20
VectorMap Local	1:10,000	2020	21

Historical Map - Slice A



Order Details

Order Number: 233825467_1_1
Customer Ref: GE18760
National Grid Reference: 470060, 171950
Slice: A
Site Area (Ha): 2.26
Search Buffer (m): 1000

Site Details

Wensley Road, READING, RG1 6DR

Landmark
INFORMATION GROUP

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Russian Military Mapping Legends

1:5,000 and 1:10,000 mapping

a. Not drawn to scale b. Drawn to scale



243.8 Values for prominent elevations

186.0 Numbers for spot elevations, depth soundings, contour lines, etc.

0.2 Velocity of the current, width of river bed, depth of river

180 120 Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

Russian Alphabet (For reference and phonetic interpretation of map text)

А а (A) З з (Z) П п (P) Ч ч (CH)

Б б (B) И и (I) Р р (R) Ш ш (SH)

В в (V) Й й (Y) С с (S) Щ щ (SHCH)

Г г (G) К к (K) Т т (T) Ъ ъ (-)

Д д (D) Л л (L) У у (U) Ы ы (Y)

Е е (E) М м (M) Ф ф (F) Ь ь (')

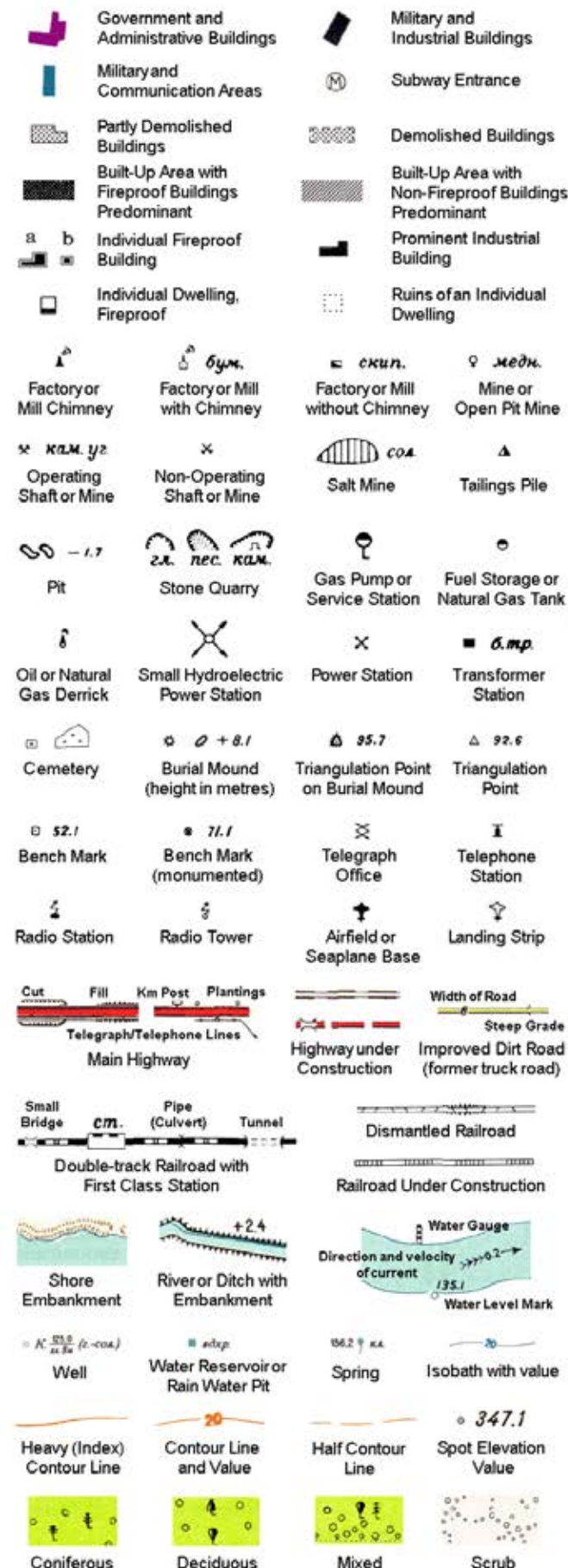
Ё ё (YO) Н н (N) Х х (KH) Э э (E)

Ж ж (ZH) О о (O) Ц ц (TS) Ю ю (YU or IU)

Я я (YA or IA)

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale



Key to Numbers on Mapping

SU67SE_Reading

No.	Description
36	Water Works

SU77SW_Reading

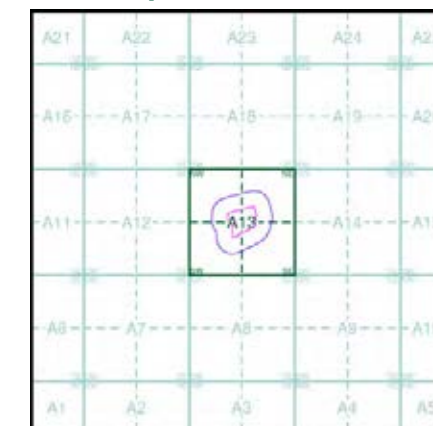
No.	Description
38	Water Works



Geo-Environmental Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Berkshire	1:10,560	1883	3
Berkshire	1:10,560	1900	4
Berkshire	1:10,560	1901	5
Berkshire	1:10,560	1913 - 1914	6
Berkshire	1:10,560	1932 - 1933	7
Berkshire	1:10,560	1938	8
Berkshire	1:10,560	1938	9
Historical Aerial Photography	1:10,560	1948 - 1949	10
Ordnance Survey Plan	1:10,000	1961 - 1962	11
Ordnance Survey Plan	1:10,000	1968	12
Ordnance Survey Plan	1:10,000	1973 - 1976	13
Ordnance Survey Plan	1:10,000	1979	14
Ordnance Survey Plan	1:10,000	1983	15
Ordnance Survey Plan	1:10,000	1990 - 1992	16
Reading	1:10,000	1990	17
Ordnance Survey Plan	1:10,000	1995	18
10K Raster Mapping	1:10,000	1999	19
10K Raster Mapping	1:10,000	2006	20
VectorMap Local	1:10,000	2020	21

Russian Map - Slice A



Order Details

Order Number: 233825467_1_1

Customer Ref: GE18760

National Grid Reference: 470060, 171950

Slice: A

Site Area (Ha): 2.26

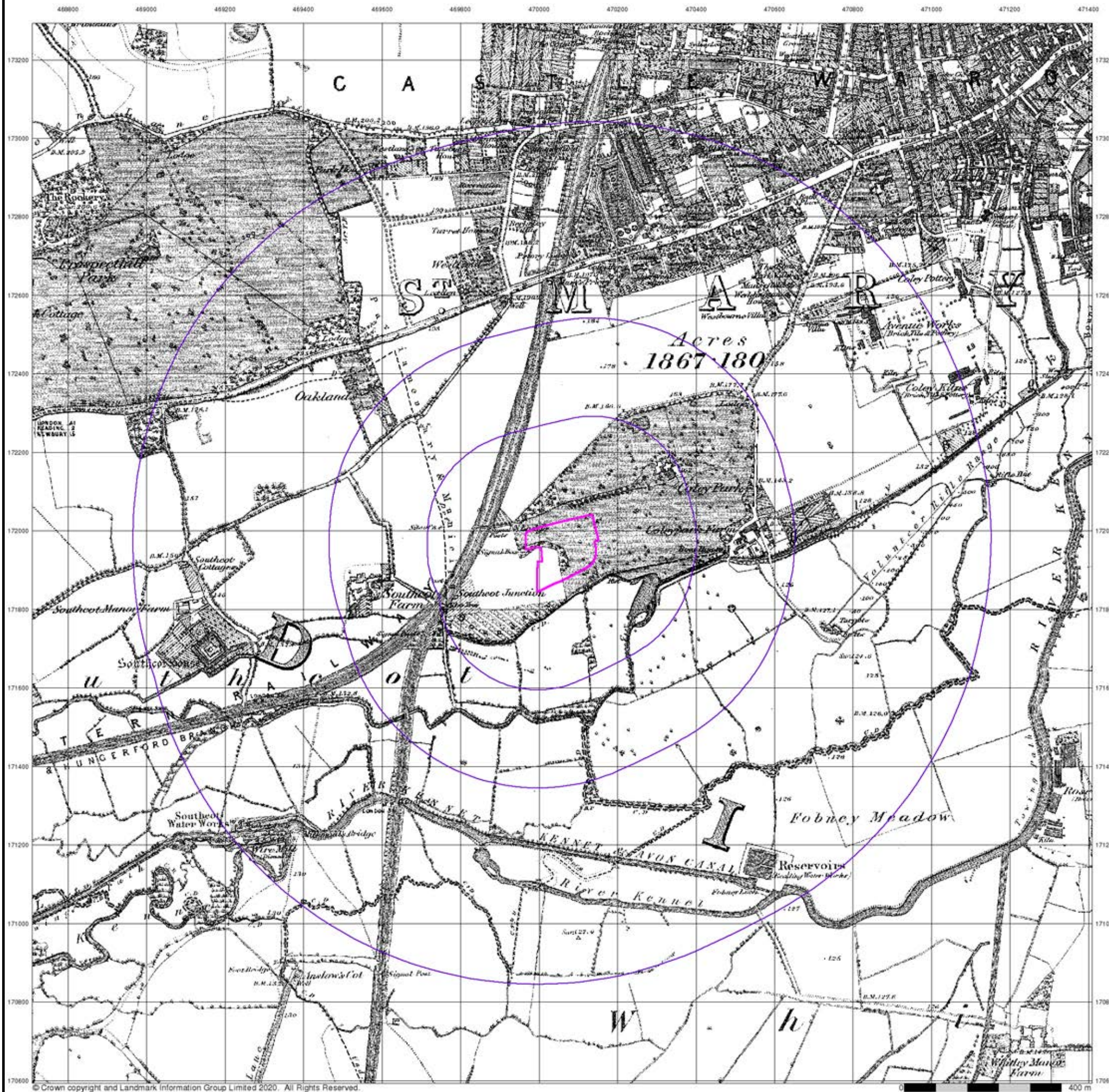
Search Buffer (m): 1000

Site Details

Wensley Road, READING, RG1 6DR

Landmark
INFORMATION GROUP

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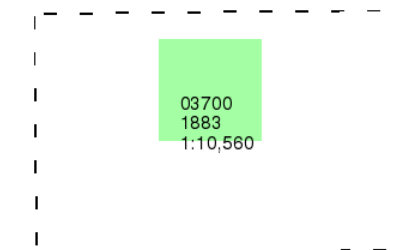
Geo-Environmental Berkshire

Published 1883

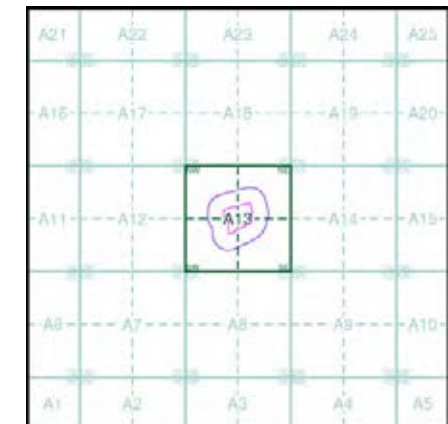
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 233825467_1_1
Customer Ref: GE18760
National Grid Reference: 470060, 171950
Slice: A
Site Area (Ha): 2.26
Search Buffer (m): 1000

Site Details

Wensley Road, READING, RG1 6DR

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
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Geo-Environmental Berkshire

Published 1900

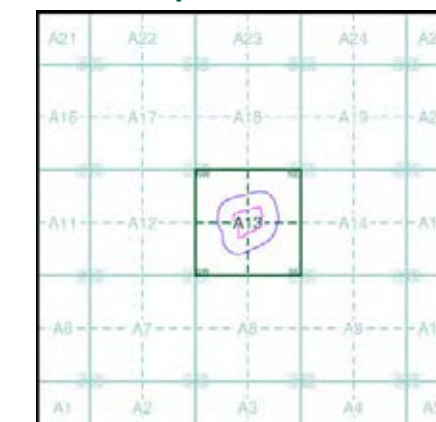
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

037NW 1900 1:10,560	037NE 1900 1:10,560
037SW 1900 1:10,560	037SE 1900 1:10,560

Historical Map - Slice A



Order Details

Order Number: 233825467_1_1
Customer Ref: GE18760
National Grid Reference: 470060, 171950
Slice: A
Site Area (Ha): 2.26
Search Buffer (m): 1000

Site Details

Wensley Road, READING, RG1 6DR

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INFORMATION GROUP

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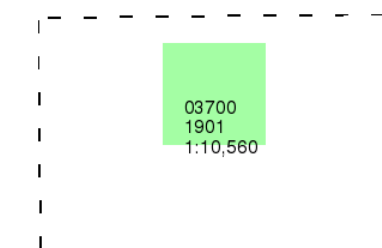
Geo-Environmental Berkshire

Published 1901

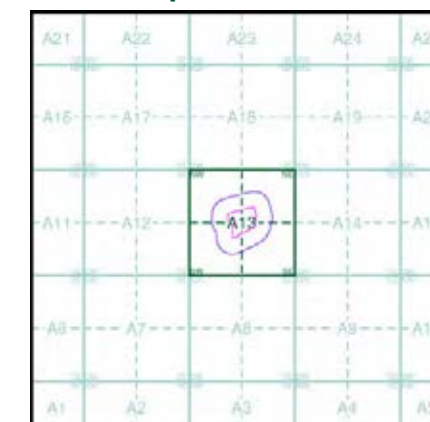
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 233825467_1_1
Customer Ref: GE18760
National Grid Reference: 470060, 171950
Slice: A
Site Area (Ha): 2.26
Search Buffer (m): 1000

Site Details

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Tel: 0844 844 9952
Fax: 0844 844 9951
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Geo-Environmental Berkshire

Published 1913 - 1914

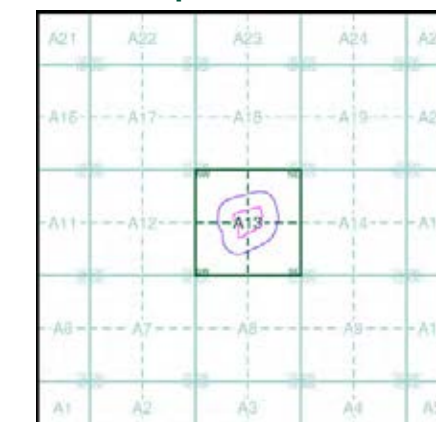
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

037NW 1914 1:10,560	037NE 1913 1:10,560
037SW 1913 1:10,560	037SE 1913 1:10,560

Historical Map - Slice A



Order Details

Order Number: 233825467_1_1
Customer Ref: GE18760
National Grid Reference: 470060, 171950
Slice: A
Site Area (Ha): 2.26
Search Buffer (m): 1000

Site Details

Wensley Road, READING, RG1 6DR

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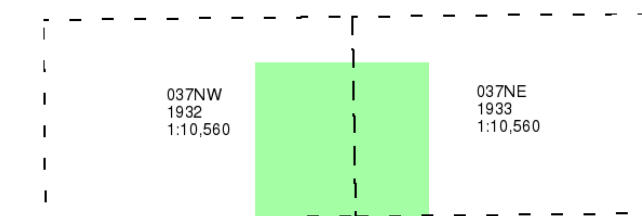
Geo-Environmental Berkshire

Published 1932 - 1933

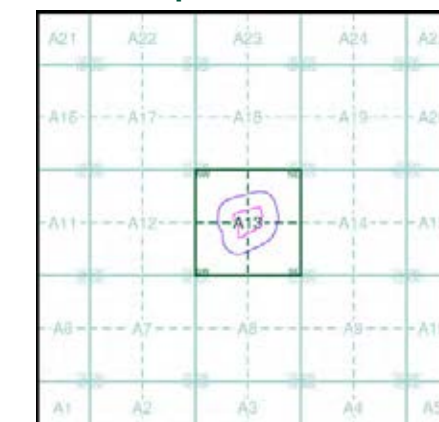
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 233825467_1_1
Customer Ref: GE18760
National Grid Reference: 470060, 171950
Slice: A
Site Area (Ha): 2.26
Search Buffer (m): 1000

Site Details

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Landmark
INFORMATION GROUP

Tel: 0844 844 9952
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Geo-Environmental Berkshire

Published 1938

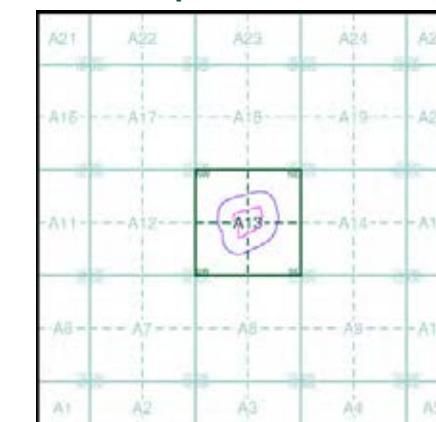
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

037NW 1938 1:10,560	037NE 1938 1:10,560
037SW 1938 1:10,560	037SE 1938 1:10,560

Historical Map - Slice A



Order Details

Order Number: 233825467_1_1
Customer Ref: GE18760
National Grid Reference: 470060, 171950
Slice: A
Site Area (Ha): 2.26
Search Buffer (m): 1000

Site Details

Wensley Road, READING, RG1 6DR

Landmark
INFORMATION GROUP

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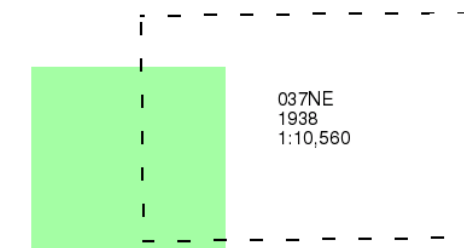
Geo-Environmental Berkshire

Published 1938

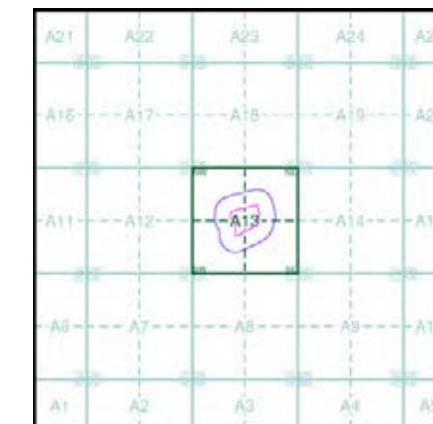
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

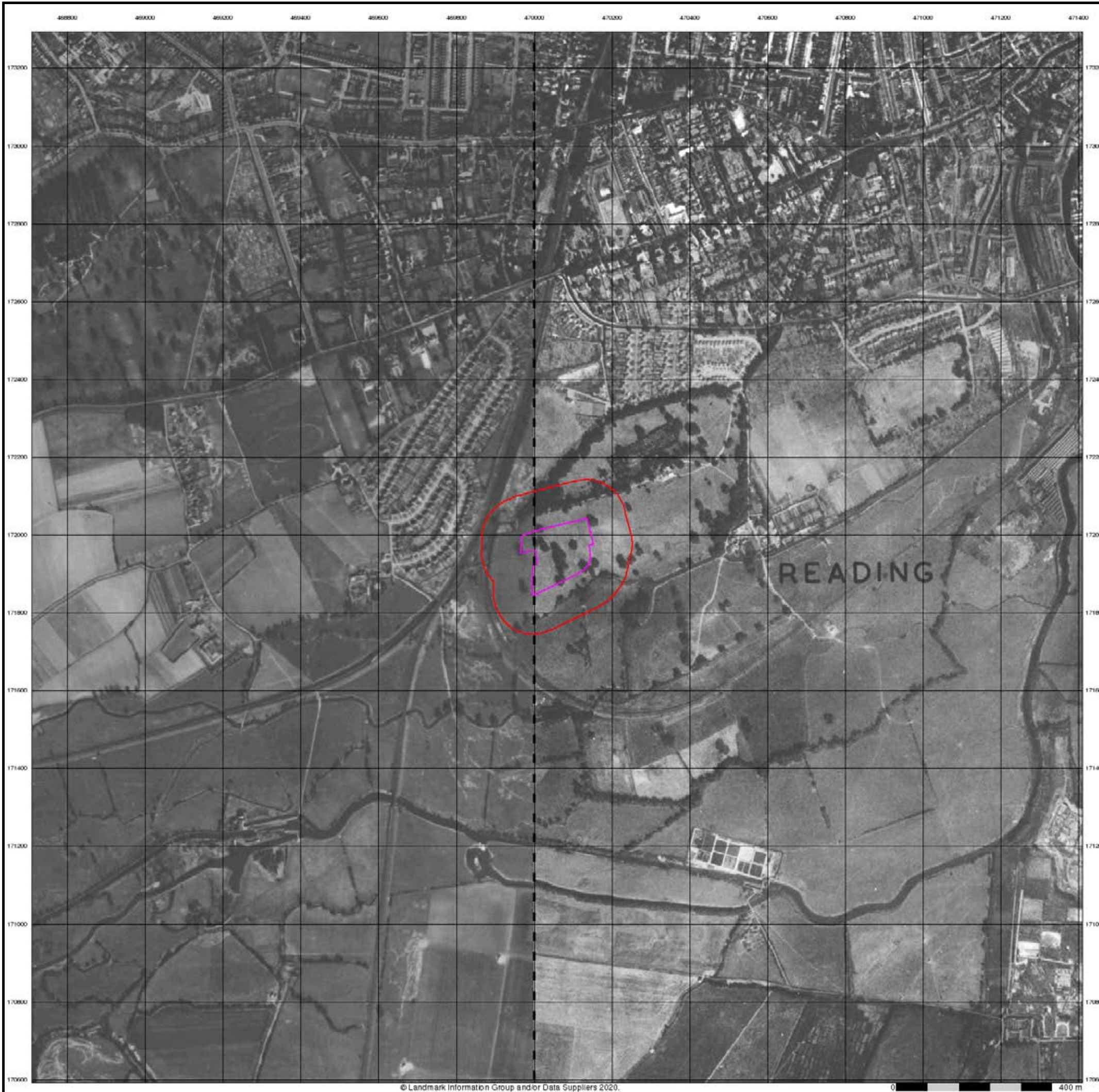
Order Number: 233825467_1_1
Customer Ref: GE18760
National Grid Reference: 470060, 171950
Slice: A
Site Area (Ha): 2.26
Search Buffer (m): 1000

Site Details

Wensley Road, READING, RG1 6DR



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Geo-Environmental Historical Aerial Photography

Published 1948 - 1949

Source map scale - 1:10,560

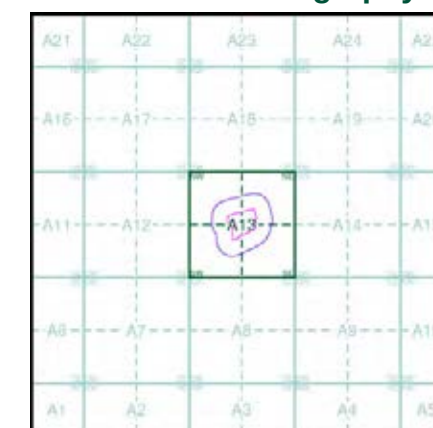
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 1950's meant that every photograph was re-checked for potentially unsafe information with security sites replaced by fake fields or clouds. The original editions were withdrawn and only later made available after a period of fifty years although due to the accuracy of the editing, without viewing both revisions it is not easy to spot the edits. Where available Landmark have included both revisions.

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Map Name(s) and Date(s)

	SU67SE		SU77SW	
	1949		1948	
	1:10,560		1:10,560	

Historical Aerial Photography - Slice A



Order Details

Order Number: 233825467_1_1
Customer Ref: GE18760
National Grid Reference: 470060, 171950
Slice: A
Site Area (Ha): 2.26
Search Buffer (m): 1000

Site Details

Wensley Road, READING, RG1 6DR

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Geo-Environmental Ordnance Survey Plan

Published 1961 - 1962

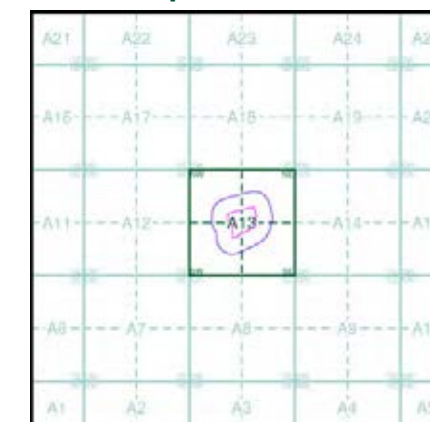
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

SU67SE 1961 1:10,560	SU77SW 1962 1:10,560
----------------------------	----------------------------

Historical Map - Slice A



Order Details

Order Number: 233825467_1_1
Customer Ref: GE18760
National Grid Reference: 470060, 171950
Slice: A
Site Area (Ha): 2.26
Search Buffer (m): 1000

Site Details

Wensley Road, READING, RG1 6DR

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



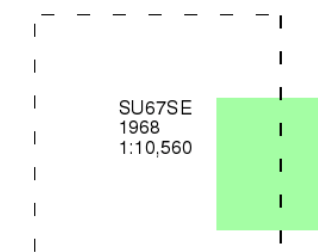
Geo-Environmental Ordnance Survey Plan

Published 1968

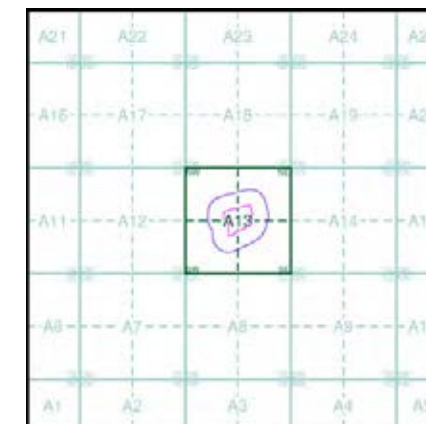
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

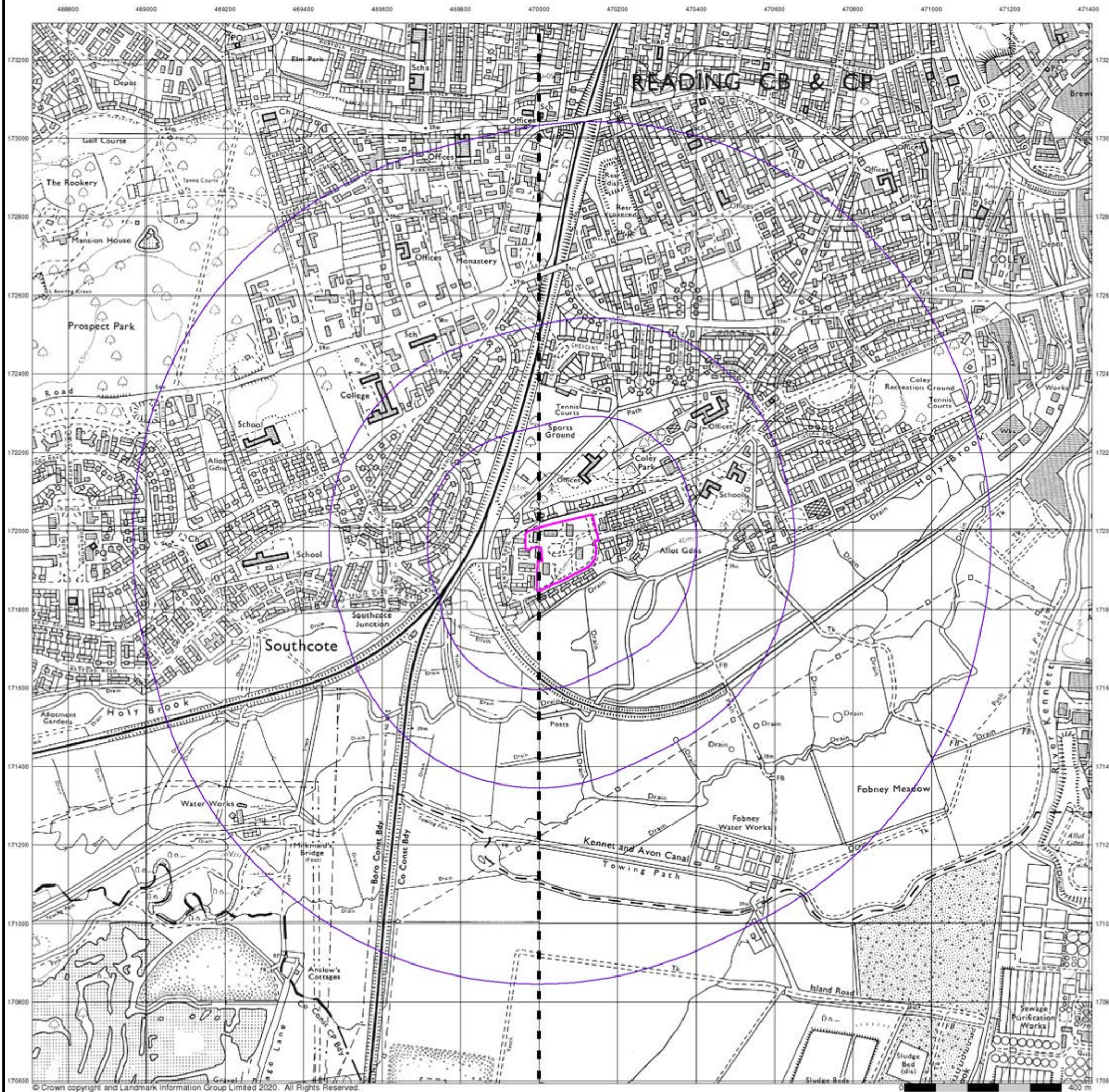
Order Number: 233825467_1_1
Customer Ref: GE18760
National Grid Reference: 470060, 171950
Slice: A
Site Area (Ha): 2.26
Search Buffer (m): 1000

Site Details

Wensley Road, READING, RG1 6DR

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Geo-Environmental Ordnance Survey Plan

Published 1973 - 1976

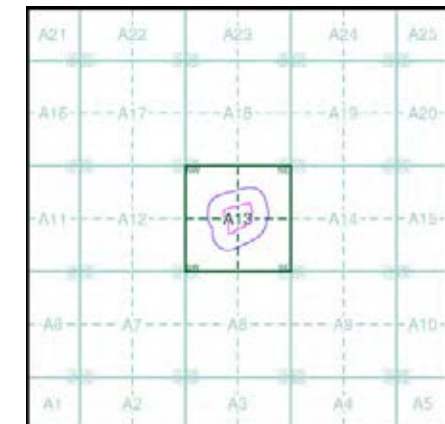
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

SU67SE 1976 1:10,000	SU77SW 1973 1:10,000
----------------------------	----------------------------

Historical Map - Slice A



Order Details

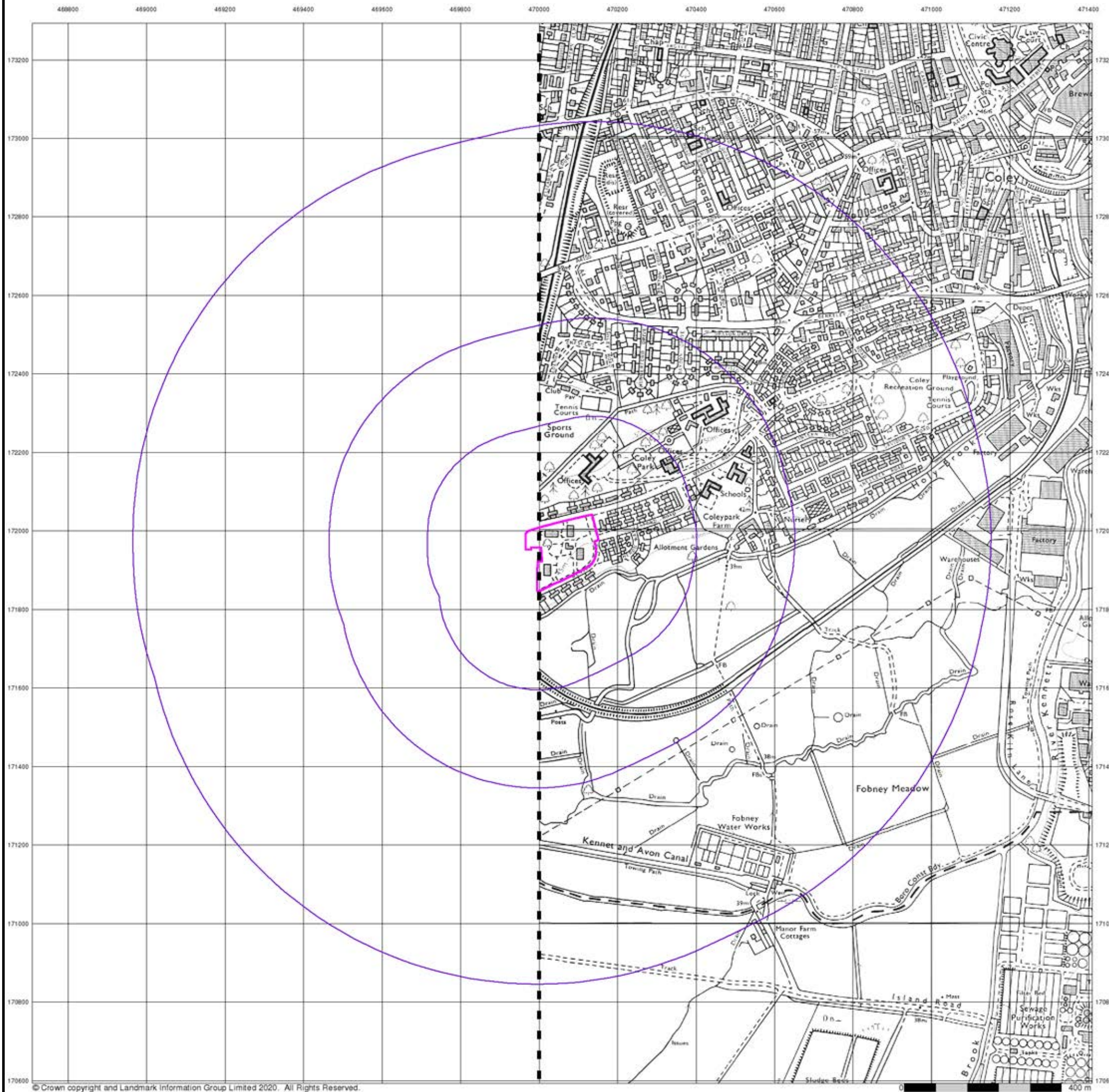
Order Number: 233825467_1_1
Customer Ref: GE18760
National Grid Reference: 470060, 171950
Slice: A
Site Area (Ha): 2.26
Search Buffer (m): 1000

Site Details

Wensley Road, READING, RG1 6DR

Landmark
INFORMATION GROUP

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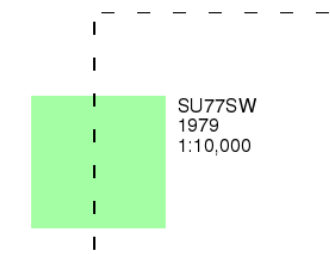
Geo-Environmental Ordnance Survey Plan

Published 1979

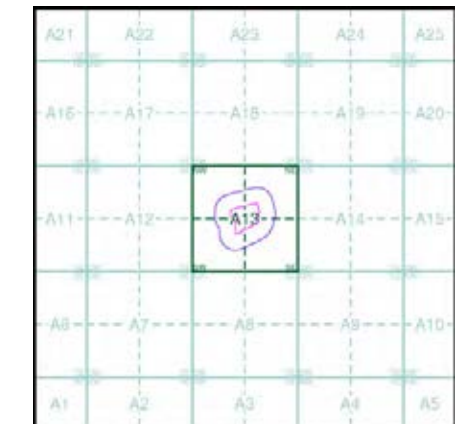
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 233825467_1_1
Customer Ref: GE18760
National Grid Reference: 470060, 171950
Slice: A
Site Area (Ha): 2.26
Search Buffer (m): 1000

Site Details

Wensley Road, READING, RG1 6DR

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



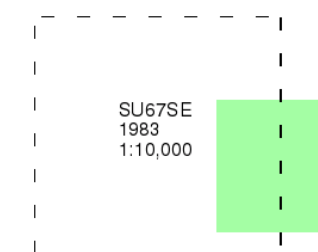
Geo-Environmental Ordnance Survey Plan

Published 1983

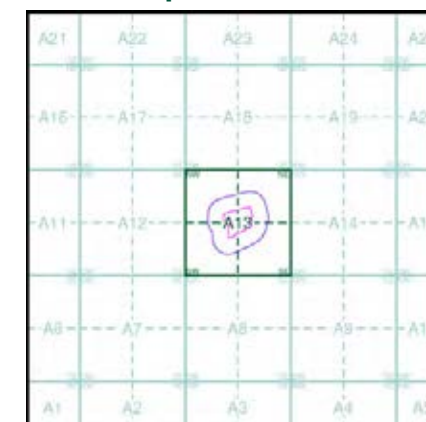
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 233825467_1_1
Customer Ref: GE18760
National Grid Reference: 470060, 171950
Slice: A
Site Area (Ha): 2.26
Search Buffer (m): 1000

Site Details

Wensley Road, READING, RG1 6DR

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Geo-Environmental Ordnance Survey Plan

Published 1990 - 1992

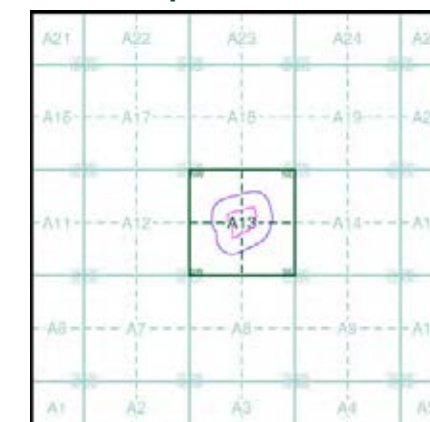
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

SU67SE 1992 1:10,000		SU77SW 1990 1:10,000
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Historical Map - Slice A



Order Details

Order Number: 233825467_1_1
Customer Ref: GE18760
National Grid Reference: 470060, 171950
Slice: A
Site Area (Ha): 2.26
Search Buffer (m): 1000

Site Details

Wensley Road, READING, RG1 6DR

Landmark
INFORMATION GROUP

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Web: www.envirocheck.co.uk



Geo-Environmental Reading

Published 1990

Source map scale - 1:10,000

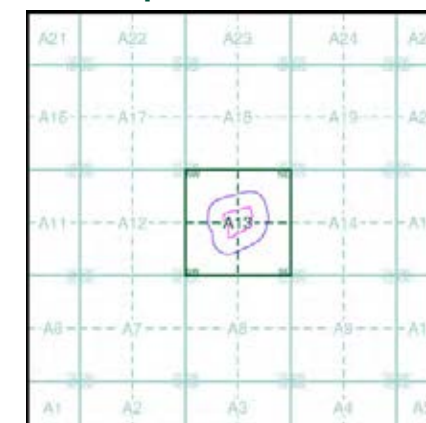
These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use.

They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

Map Name(s) and Date(s)

SU67SE 1990 1:10,000	SU77SW 1990 1:10,000
----------------------------	----------------------------

Russian Map - Slice A



Order Details

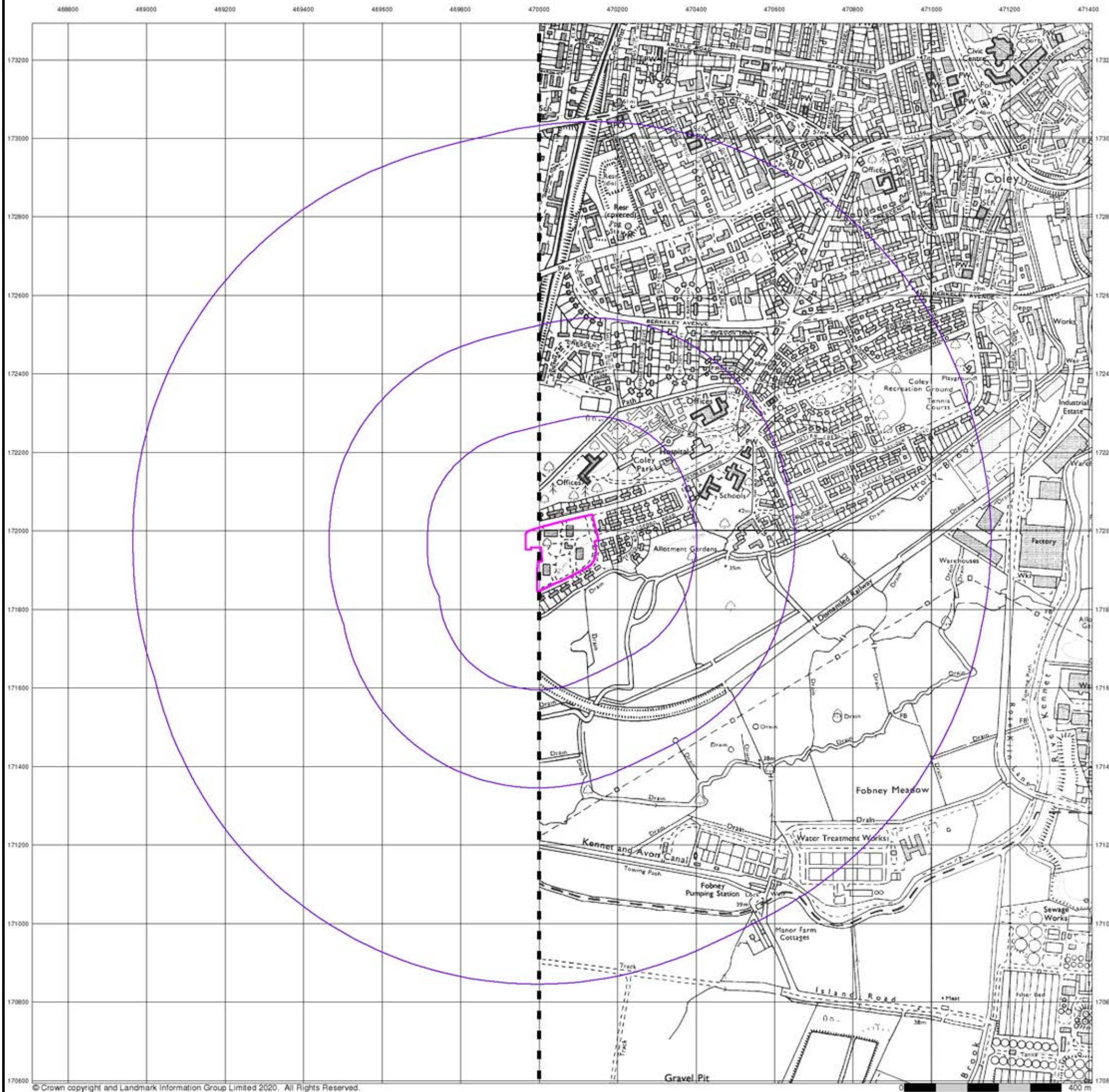
Order Number: 233825467_1_1
Customer Ref: GE18760
National Grid Reference: 470060, 171950
Slice: A
Site Area (Ha): 2.26
Search Buffer (m): 1000

Site Details

Wensley Road, READING, RG1 6DR

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INFORMATION GROUP

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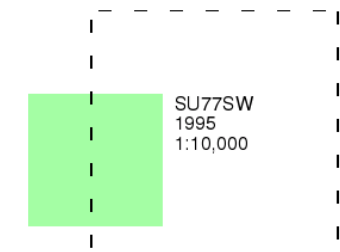
Geo-Environmental Ordnance Survey Plan

Published 1995

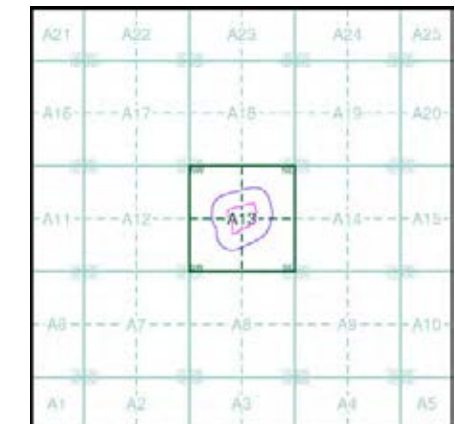
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 233825467_1_1
Customer Ref: GE18760
National Grid Reference: 470060, 171950
Slice: A
Site Area (Ha): 2.26
Search Buffer (m): 1000

Site Details

Wensley Road, READING, RG1 6DR

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



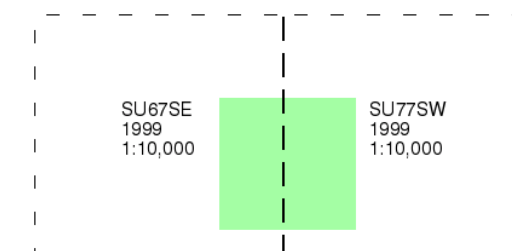
Geo-Environmental 10k Raster Mapping

Published 1999

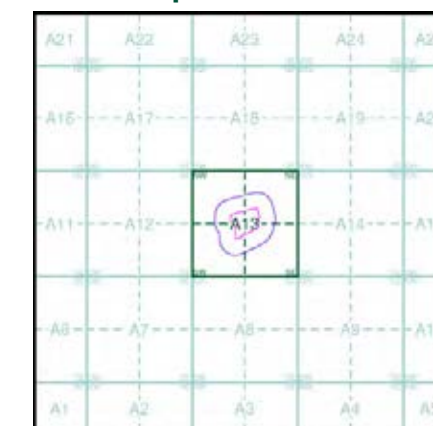
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 233825467_1_1
Customer Ref: GE18760
National Grid Reference: 470060, 171950
Slice: A
Site Area (Ha): 2.26
Search Buffer (m): 1000

Site Details

Wensley Road, READING, RG1 6DR

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



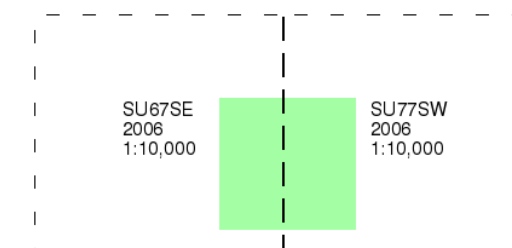
Geo-Environmental 10k Raster Mapping

Published 2006

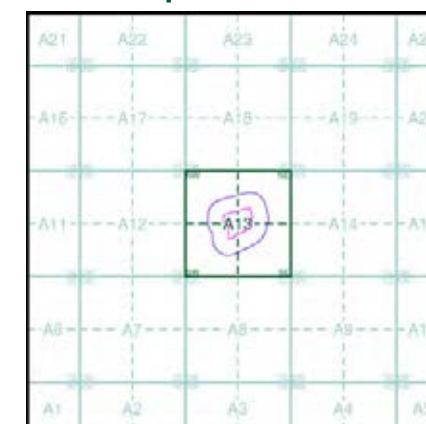
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 233825467_1_1
Customer Ref: GE18760
National Grid Reference: 470060, 171950
Slice: A
Site Area (Ha): 2.26
Search Buffer (m): 1000

Site Details

Wensley Road, READING, RG1 6DR

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
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Geo-Environmental VectorMap Local

Published 2020

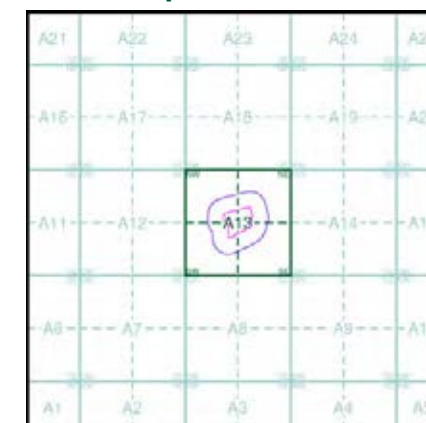
Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities), 1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

Map Name(s) and Date(s)

SU67SE 2020 Variable	SU77SW 2020 Variable
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Historical Map - Slice A



Order Details

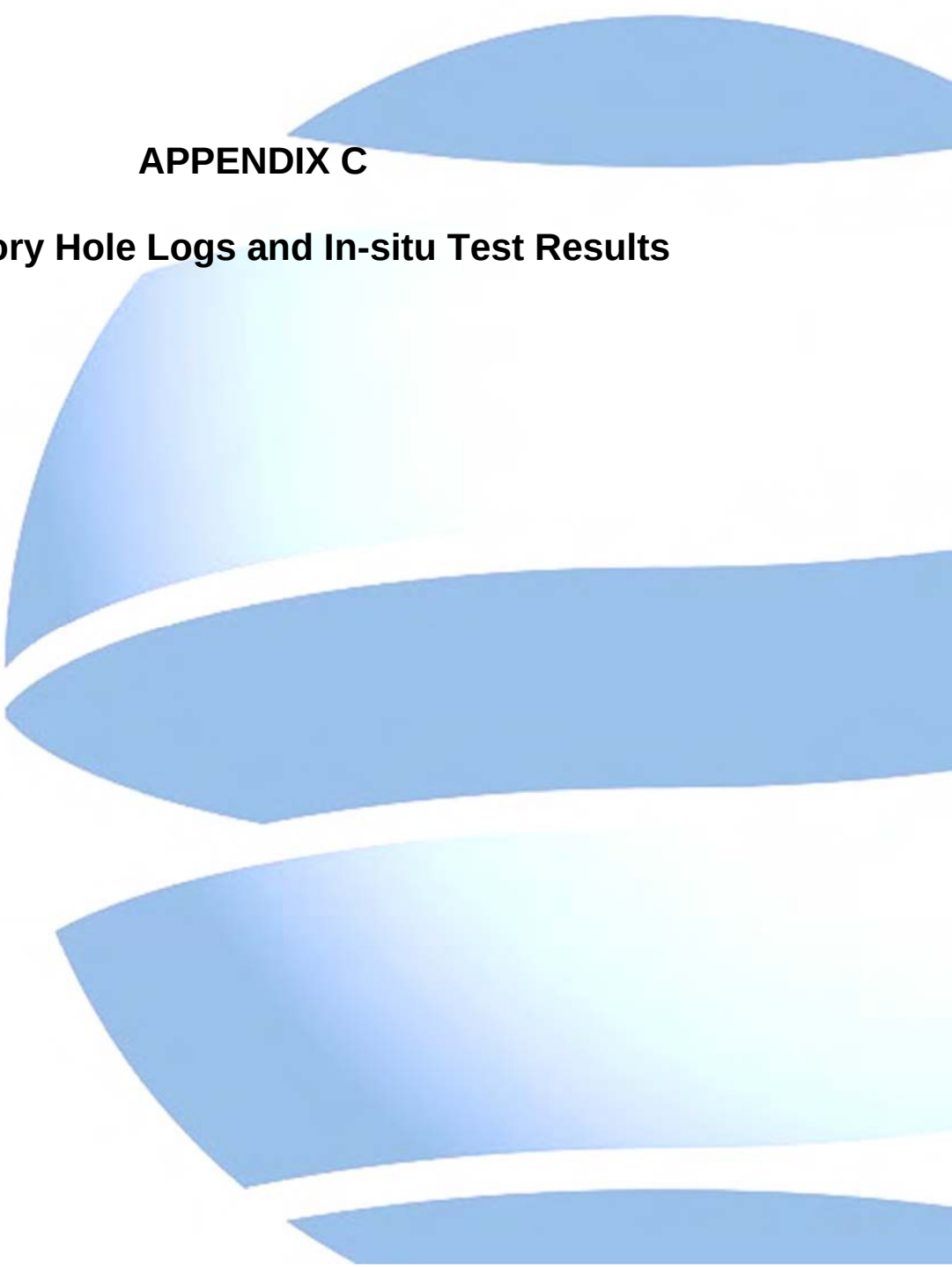
Order Number: 233825467_1_1
Customer Ref: GE18760
National Grid Reference: 470060, 171950
Slice: A
Site Area (Ha): 2.26
Search Buffer (m): 1000

Site Details

Wensley Road, READING, RG1 6DR

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
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APPENDIX C

Exploratory Hole Logs and In-situ Test Results



Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Geo-Environmental www.gesl.net

Trial Pit Log

Trial Pit No

TP01

Sheet 1 of 1

Project Name: Wensley Road, Reading

Project No.
GE18760

Co-ords: 469993.02 - 171997.13
Level: 49.66

Date
25/02/2020

Location: Reading

Dimensions (m): 1.80

Depth
3.10

0.45

Scale
1:25

Logged
KOD

Client: Reading Borough Council

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.30	ES					Grass over dark brown slightly sandy gravelly SILT with brick fragments, some tarmac fragments and abundant roots 1-5mm and rootlets. MADE GROUND	
	0.90 1.00	ES D		0.80	48.86		Firm orangish brown slightly gravelly sandy CLAY with black flecking, some orange and dark brown staining and some roots 1-2mm and rootlets. Sand is fine. Gravel is fine to medium sub rounded flint. LYNCH HILL GRAVEL	1
	1.50 1.50	D PP	PP=1.5kg/cm2					
	2.00 2.00	D PP	PP=1.3kg/cm2	2.20	47.46		Firm orangish brown slightly gravelly very sandy CLAY with black flecking, some orange staining. Sand is fine. Gravel is fine to medium sub rounded flint. LYNCH HILL GRAVEL	2
	2.50	D						
	3.00	D		3.00	46.66		Pale orangish brown fine SAND with black flecking. LAMBETH GROUP	3
				3.10	46.56		End of Pit at 3.10m	
								4
								5

Water Strikes	
Depth Strike	Rose to (mm)

Remarks

Stability Sides stable



Trial Pit Log

TrialPit No

TP02

Sheet 1 of 1

Project Name: Wensley Road, Reading

Project No.
GE18760

Co-ords: 470001.10 - 171985.39
Level: 49.65

Date
26/02/2020

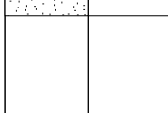
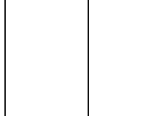
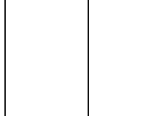
Location: Reading

Diagram of a rectangular box with dimensions: Depth 3.00, Height 0.45, and Width 1.90.

Scale
1:25

Logged
KOD

Client: Reading Borough Council

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
	0.20	ES	PP=1.1kg/cm2	0.30	49.35		Grass over dark brown gravelly SILT with roots 1-10mm and rootlets. TOPSOIL	1	
	0.40	B			0.60	49.05	Brown to orangish brown slightly sandy gravelly CLAY with roots 1-3mm and rootlets. Sand is fine. Gravel is fine to coarse sub rounded flint. (POTENTIALLY REWORKED) LYNCH HILL GRAVEL		Brown and orangish brown slightly sandy gravelly CLAY with orange staining, some clay lenses and roots 1-3mm and rootlets. Sand is fine. Gravel is fine to coarse sub rounded flint. (POTENTIALLY REWORKED) LYNCH HILL GRAVEL
	0.40	ES							
	0.50	D							
	0.90	B			1.20	48.45	Firm orangish brown slightly gravelly very sandy CLAY with orange staining and some black staining and black flecking. Sand is fine. Gravel is fine to medium sub rounded flint. LYNCH HILL GRAVEL <i>Some rootlets</i>	2	
	1.00	D							
	1.50	D							
	2.00	D			2.60	47.05	Pale orangish brown and pale greyish brown mottled medium SAND with orange staining and some black flecking. LAMBETH GROUP	3	
	2.00	PP							
	2.50	D							
3.00	D	3.00	46.65		End of Pit at 3.00m	4			
								5	

[illegible]

Remarks

Stability	Sides stable
-----------	--------------



Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Geo-Environmental www.gesl.net

Trial Pit Log

Trial Pit No

TP03

Sheet 1 of 1

Project Name: Wensley Road, Reading

Project No.
GE18760

Co-ords: 470112.55 - 172008.94
Level: 47.45

Date
25/02/2020

Location: Reading

Dimensions (m): 2.00
0.45
Depth 3.00

Scale
1:25

Logged
KOD

Client: Reading Borough Council

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.20	ES		0.30	47.14		Grass over dark brown sandy SILT with abundant rootlets and some brick fragments MADE GROUND	
	0.50 0.50	D ES		0.70	46.74		Brown slightly sandy very gravelly CLAY with frequent rootlets. Sand is fine to medium. Gravel is fine to medium sub rounded flint. LYNCH HILL GRAVEL	
	1.00	D		1.10	46.34		Brown slightly clayey sandy GRAVEL. Sand is medium. Gravel is fine to medium sub rounded flint. LYNCH HILL GRAVEL	1
	1.50	D					Pale orangish brown medium SAND with some clay lenses. LAMBETH GROUP	
	2.00	D						2
	2.50	D		2.60	44.84		Orangish brown slightly gravelly medium SAND with rare clay lenses. LAMBETH GROUP	
	3.00	D		3.00	44.44		End of Pit at 3.00m	3
								4
								5

Water Strikes	
Depth Strike	Rises to (m)

Remarks

Stability Sides stable





Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Geo-Environmental www.gesl.net

Trial Pit Log

Trial Pit No

TP04

Sheet 1 of 1

Project Name: Wensley Road, Reading

Project No.
GE18760

Co-ords: 470108.62 - 171976.62
Level: 45.85

Date
25/02/2020

Location: Reading

Dimensions (m): 1.90

Depth
2.50

0.45

Scale
1:25

Logged
KOD

Client: Reading Borough Council

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.20	ES		0.30	45.55		Grass over over dark brown Gravelly SILT with abundant roots 1-4mm and rootlets. TOPSOIL	
	0.40	ES					Brown slightly sandy clayey GRAVEL with roots 1-4mm and rootlets. Sand is medium. Gravel is fine to medium sub rounded flint. LYNCH HILL GRAVEL	
	0.50	B		0.70	45.15		Orangish brown fine SAND with black flecking, some orange and dark brown staining and roots 1-3mm. LAMBETH GROUP	1
	1.00	B						
	1.00	B		1.30	44.55		Pale orangish brown to pale greyish brown medium SAND with orange staining, black flecking and rare clay lenses. LAMBETH GROUP	
	1.50	D						
	2.00	D						2
	2.50	D		2.50	43.35		End of Pit at 2.50m	
								3
								4
								5

Depth Strike	Water Strikes	Remarks	Pit collapsed
	Rose to (m) (g)	Stability	Sides unstable





Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

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Trial Pit Log

Trial Pit No

TP05

Sheet 1 of 1

Project Name: Wensley Road, Reading

Project No.
GE18760

Co-ords: 470128.51 - 171979.09
Level: 45.90

Date
25/02/2020

Location: Reading

Dimensions (m):

1.90

0.45

Scale
1:25

Client: Reading Borough Council

Depth
2.30

Logged
KOD

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.20	ES		0.30	45.60		Grass over dark brown gravelly SILT with brick fragments, rare plastic and abundant roots 1-20mm and rootlets. MADE GROUND	
	0.40	B					Brown slightly sandy gravelly CLAY with rootlets and roots 1-10mm. Sand is fine. Gravel is fine sub angular flint. LYNCH HILL GRAVEL	
	0.40	ES		0.60	45.30		Brown to orangish brown slightly gravelly clayey fine SAND with some roots 1-5mm, reddish orange and brown staining. LAMBETH GROUP	
	0.50	D					Pale orangish brown and pale greyish brown fine to medium SAND with orange staining. LAMBETH GROUP	
	1.00	B		1.10	44.80			1
	1.00	D						
	1.50	D						
	2.00	D						2
	2.30	D		2.30	43.60		End of Pit at 2.30m	
								3
								4
								5

Remarks Pit collapsed

Stability Sides unstable





Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

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Trial Pit Log

Trial Pit No

TP06

Sheet 1 of 1

Project Name: Wensley Road, Reading

Project No.
GE18760

Co-ords: 470105.55 - 171920.94
Level: 44.29

Date
26/02/2020

Location: Reading

Dimensions (m): 2.00

Depth
3.10

0.45

Scale
1:25

Logged
KOD

Client: Reading Borough Council

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.20	ES		0.35 0.40	43.94 43.89		Grass over dark brown gravelly SILT with roots 1-3mm and abundant rootlets. MADE GROUND	
	0.70	ES		0.90	43.39		Orangish brown medium SAND MADE GROUND Brown sandy gravelly CLAY with brick fragments and some rootlets. MADE GROUND	
	1.00 1.00	D ES		1.20	43.09		Brown slightly sandy gravelly CLAY with some rootlets. Sand is fine. Gravel is fine to medium sub rounded flint. LYNCH HILL GRAVEL	1
	1.50	D		1.80	42.49		Orangish brown medium SAND with orange staining and black flecking. LAMBETH GROUP	
	2.00 2.00	D PP	PP=1.8kg/cm2	2.40	41.89		Firm orangish brown and pale grey mottled slightly gravelly sandy CLAY with reddish orange and orange staining. Sand is medium. Gravel is fine sub angular flint. LAMBETH GROUP	2
	2.50	D		3.00	41.19		Orangish brown and pale greyish brown mottled medium SAND with black flecking and some orange staining. LAMBETH GROUP	3
	3.10	D		3.10	41.19		End of Pit at 3.10m	4
								5

Depth Strike	Notes to (mlog)

Remarks

Stability Localised spalling





Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

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Trial Pit Log

Trial Pit No

TP08

Sheet 1 of 1

Project Name: Wensley Road, Reading

Project No.
GE18760

Co-ords: 470035.40 - 171878.35
Level: 46.16

Date
25/02/2020

Location: Reading

Dimensions (m): 1.70

Depth
2.50

2.60

Scale
1:25

Logged
KOD

Client: Reading Borough Council

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.20	ES					Grass over dark brown sandy SILT with brick fragments some roots 1-5mm and abundant rootlets. MADE GROUND	
	0.80	B		0.70	45.46			
	0.80	ES		0.90	45.26		Pale orangish brown fine SAND with black flecking and some orange staining. LAMBETH GROUP	
	1.00	D					Roots 1-5mm and rootlets Pale orangish brown medium SAND with black flecking and some orange staining. LAMBETH GROUP	1
	1.50	D						
	2.00	D						2
	2.50	D		2.50	43.66		End of Pit at 2.50m	3
								4
								5

Water Strikes	
Depth Strike	Rose to (mlog)

Remarks

Stability Localised spalling





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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS01

Sheet 1 of 1

Project Name: Wensley Road, Reading

Project No.
GE18760

Co-ords: 469979E - 171980N

Hole Type
WLS

Location: Reading

Level: 48.70

Scale
1:25

Client: Reading Borough Council

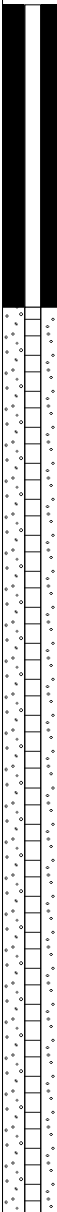
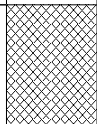
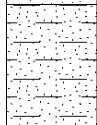
Dates: 26/02/2020

Logged By
KOD

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description					
		Depth (m)	Type	Results									
		0.50	ES		1.00	47.70		Tarmacadam over clayey gravelly SAND with abundant brick and concrete rubble. Gravel is fine to coarse sub angular flint. MADE GROUND	1				
								Firm orangish brown slightly gravelly sandy CLAY with brick fragments some black staining and some rootlets. MADE GROUND					
		1.40 1.50 1.50	ES D PP	1.4kg/cm2		1.30	47.40		Firm to stiff orangish brown slightly gravelly sandy CLAY with black flecking, reddish brown staining and some black stained rotting rootlets. Sand is fine. Gravel is fine sub angular flint. LYNCH HILL GRAVEL	2			
									2.00 2.00		D PP	2.0kg/cm2	
													2.50 2.50
		3.00	D			2.80	45.90		Pale greyish brown fine SAND with some orange staining. LAMBETH GROUP		3		
									3.20			45.50	
											3.50 3.50		
		4.00	D		4.10	44.60		Stiff pale grey and orangish brown mottled sandy CLAY with orange and reddish brown staining and some black flecking. LAMBETH GROUP					
								4.50 4.50	D PP	2.0kg/cm2			
		5.00 5.00	D PP	2.8kg/cm2	5.00	43.70							
								Casing		Water Strikes (mbgl)		Chiselling (mbgl)	
		Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to						



 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log				Borehole No. WS02 Sheet 1 of 1	
Project Name: Wensley Road, Reading		Project No. GE18760		Co-ords: 470040E - 172009N		Hole Type WLS	
Location: Reading		Level: 48.85		Scale 1:25		Logged By KOD	
Client: Reading Borough Council		Dates: 26/02/2020					

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.30	ES	1.0kg/cm2	0.40	48.45		Grass over dark brown gravelly SILT with abundant rootlets some roots 1-3mm and some brick fragments. MADE GROUND	1
	0.50	D						Firm brown slightly gravelly sandy CLAY with roots 1-2mm, rootlets and some black flecking. Sand is fine. Gravel is fine to medium sub rounded flint LYNCH HILL GRAVEL	
	0.50	ES						Orangish brown slightly clayey medium SAND with black flecking and some orange and dark brown staining. LAMBETH GROUP	
	0.50	PP						Orangish brown medium SAND with black flecking and orange staining. LAMBETH GROUP	
		1.00	D		1.10	47.75		<u>Becomes clayey</u>	2
		1.50	D		1.80	47.05		Pale greyish brown and pale orangish brown fine to medium SAND with black flecking, orange staining and some 1-3mm clay lenses. LAMBETH GROUP	
		2.00	D						
		2.50	D						
		3.00	D						
		3.50	D						
	4.00	D		4.00	44.85		End of Borehole at 4.00m	4	
									5

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	
						Refusal at 4.0 on hard layer





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Unit 7, Danworth Farm
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Borehole Log

Borehole No.

WS03

Sheet 1 of 1

Project Name: Wensley Road, Reading

Project No.
GE18760

Co-ords: 470026E - 171973N

Hole Type
WLS

Location: Reading

Level: 47.93

Scale
1:25

Client: Reading Borough Council

Dates: 26/02/2020

Logged By
KOD

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.30			0.30	47.63		Grass over dark brown gravelly SILT with abundant rootlets and some brick fragments. Gravel is fine to medium sub angular flint. MADE GROUND	1
		0.50	ES		0.80	47.13		Orangish brown slightly gravelly silty CLAY with brick fragments, roots 1-2mm and rootlets. Gravel is fine to medium sub angular flint. MADE GROUND	
		1.00	D		1.70	46.23		Orangish brown slightly gravelly silty CLAY with abundant roots 1-5mm, rootlets and rotting roots. Gravel is fine to medium sub angular flint. LYNCH HILL GRAVEL	2
		1.00	ES		2.20	45.73		Pale orangish brown medium SAND with black flecking, orange staining and 1-10mm orangish brown clay lenses. LAMBETH GROUP	
		1.50	D						3
		2.00	D						
		2.50	D						4
		3.00	D						
		3.50	D						5
		4.00	D						
		4.50	D						
		5.00	D		5.00	42.93		Pale orangish brown to pale greyish brown fine to medium SAND with black flecking and orange staining. LAMBETH GROUP	
								End of Borehole at 5.00m	
Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks			
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to				





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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS04

Sheet 1 of 1

Project Name: Wensley Road, Reading

Project No.
GE18760

Co-ords: 470061E - 171987N

Hole Type
WLS

Location: Reading

Level: 47.41

Scale
1:25

Client: Reading Borough Council

Dates: 26/02/2020

Logged By
KOD

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.05			0.05	47.36		Tarmacadam	
		0.10			0.10	47.31		MADE GROUND	
								Tarmacadam base course.	
								MADE GROUND	
		0.30			0.30	47.11		Brick, sand and flint gravel.	
								MADE GROUND	
		0.40	ES					Brown to orangish brown slightly silty gravelly SAND with brick fragments, concrete rubble, black flecking and rare rootlets.	
								MADE GROUND	
								Very silty	
		0.80			0.80	46.61		Orangish brown slightly clayey medium SAND with black flecking and orange staining.	
		0.90	ES					LAMBETH GROUP	1
		1.00	D						
					1.20	46.21		Pale orangish brown and pale greyish brown mottled fine to medium SAND with black flecking and orange staining.	
		1.50	D					LAMBETH GROUP	
		2.00	D						2
		2.50	D						
		3.00	D						3
		3.50	D		3.50	43.91		End of Borehole at 3.50m	4
									5
Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks			
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to				
						Refusal at 3.5 on hard layer. Hole collapsed to 2.9.			





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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS05

Sheet 1 of 1

Project Name: Wensley Road, Reading

Project No.
GE18760

Co-ords: 470125E - 171999N

Hole Type
WLS

Location: Reading

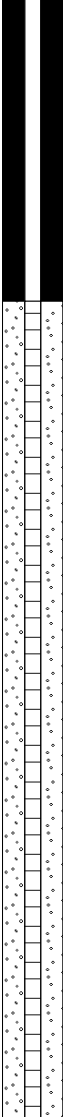
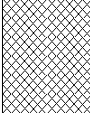
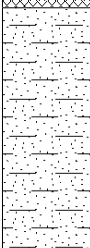
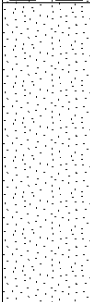
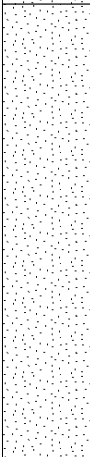
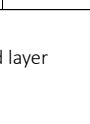
Level: 47.06

Scale
1:25

Client: Reading Borough Council

Dates: 26/02/2020

Logged By
KOD

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20	ES		0.40	46.66		Grass over dark brown gravelly SILT with some brick fragments, some concrete rubble, roots 1-10mm and rootlets. MADE GROUND	1
		0.50 0.50	D ES					Orangish brown slightly gravelly very clayey fine SAND with some orange staining and some rootlets. LAMBETH GROUP	
		1.00	D		1.20	45.86		Orangish brown fine SAND with rare rootlets with dark brown to black staining. LAMBETH GROUP	2
		1.50	D						
		2.00	D		2.20	44.86		Orangish brown to yellowish brown becoming pale grey fine to medium SAND with black flecking and orange staining. LAMBETH GROUP	3
		2.50	D						
		3.00	D		3.70	43.36		End of Borehole at 3.70m	4
		3.50	D						
Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks			
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to				
						Refusal at 3.7 on hard layer			





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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS06

Sheet 1 of 1

Project Name: Wensley Road, Reading

Project No.
GE18760

Co-ords: 470048E - 171919N

Hole Type
WLS

Location: Reading

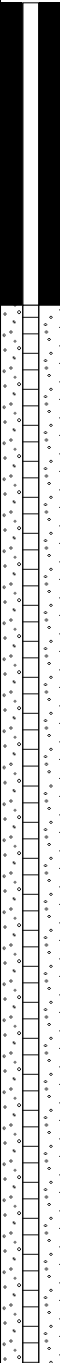
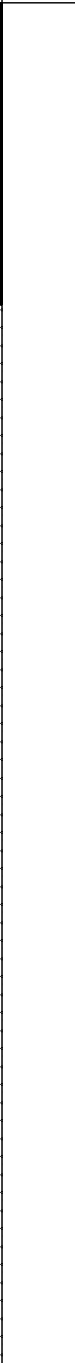
Level: 46.40

Scale
1:25

Client: Reading Borough Council

Dates: 26/02/2020

Logged By
KOD

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.10	46.30		Tarmacadam	
								MADE GROUND	
								Brown sandy gravelly CLAY and concrete rubble.	
								MADE GROUND	
		0.90	ES		0.85	45.55		Grey gravelly SAND with black staining and some brick fragments.	
		1.10	D		1.00	45.40		MADE GROUND	
		1.10	ES					Orangish brown slightly gravelly clayey SAND with black flecking.	
								LYNCH HILL GRAVEL	
		1.50	D						
					1.70	44.70		Orangish brown and pale greyish brown fine to medium SAND with black flecking and orange staining.	
		2.00	D					LAMBETH GROUP	2
		2.50	D						
		3.00	D						3
		3.50	D						
		4.00	D						4
		4.50	D		4.50	41.90		End of Borehole at 4.50m	5
Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks			
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to				
						Refusal at 4.5m bgl on hard layer.			





Geo-Environmental

Probe Log

Borehole No.

DP1

Sheet 1 of 2

Project Name: Wensley Road, Reading

Project No.
GE18760

Co-ords: 469978.60 - 171980.44

Hole Type
DP

Location: Reading

Level: 48.70

Scale
1:25

Client: Reading Borough Council

Dates: - 26/02/2020

Logged By

Depth (m)	Blows/100mm				Torque (Nm)
	10	20	30	40	
1					
	2				
	2				
	2				
	2				
	2				
	2				
	2				
	2				
	2				
2	3				
	3				
	3				
	5				
	5				
	6				
	6				
	6				
	6				
	6				
3	6				
	5				
	5				
	5				
	4				
	5				
	4				
	4				
	4				
4	4				
	3				
	3				
	3				
	3				
	3				
	4				
	5				
	6				
5	7				

Remarks

Fall Height 1

Cone Base Diameter 44

Hammer Wt 50.0

Final Depth 8.00

Probe Type DPL

Log Scale 1:25





Geo-Environmental

Probe Log

Borehole No.

DP1

Sheet 2 of 2

Project Name: Wensley Road, Reading

Project No.
GE18760

Co-ords: 469978.60 - 171980.44

Hole Type
DP

Location: Reading

Level: 48.70

Scale
1:25

Client: Reading Borough Council

Dates: - 26/02/2020

Logged By

Depth (m)	Blows/100mm				Torque (Nm)
	10	20	30	40	
6	6				
	6				
	7				
	6				
	6				
	6				
	7				
	7				
	8				
	9				
7	8				
	7				
	6				
	6				
	5				
	5				
	5				
	6				
	6				
	5				
8	6				
	7				
	6				
	7				
	7				
	7				
	6				
	7				
	7				
	7				
9	7				
10					

Remarks

Fall Height 1

Cone Base Diameter 44

Hammer Wt 50.0

Final Depth 8.00

Probe Type DPL

Log Scale 1:25





Geo-Environmental

Probe Log

Borehole No.

DP2

Sheet 1 of 1

Project Name: Wensley Road, Reading

Project No.
GE18760

Co-ords: 470061.28 - 171986.85

Hole Type
DP

Location: Reading

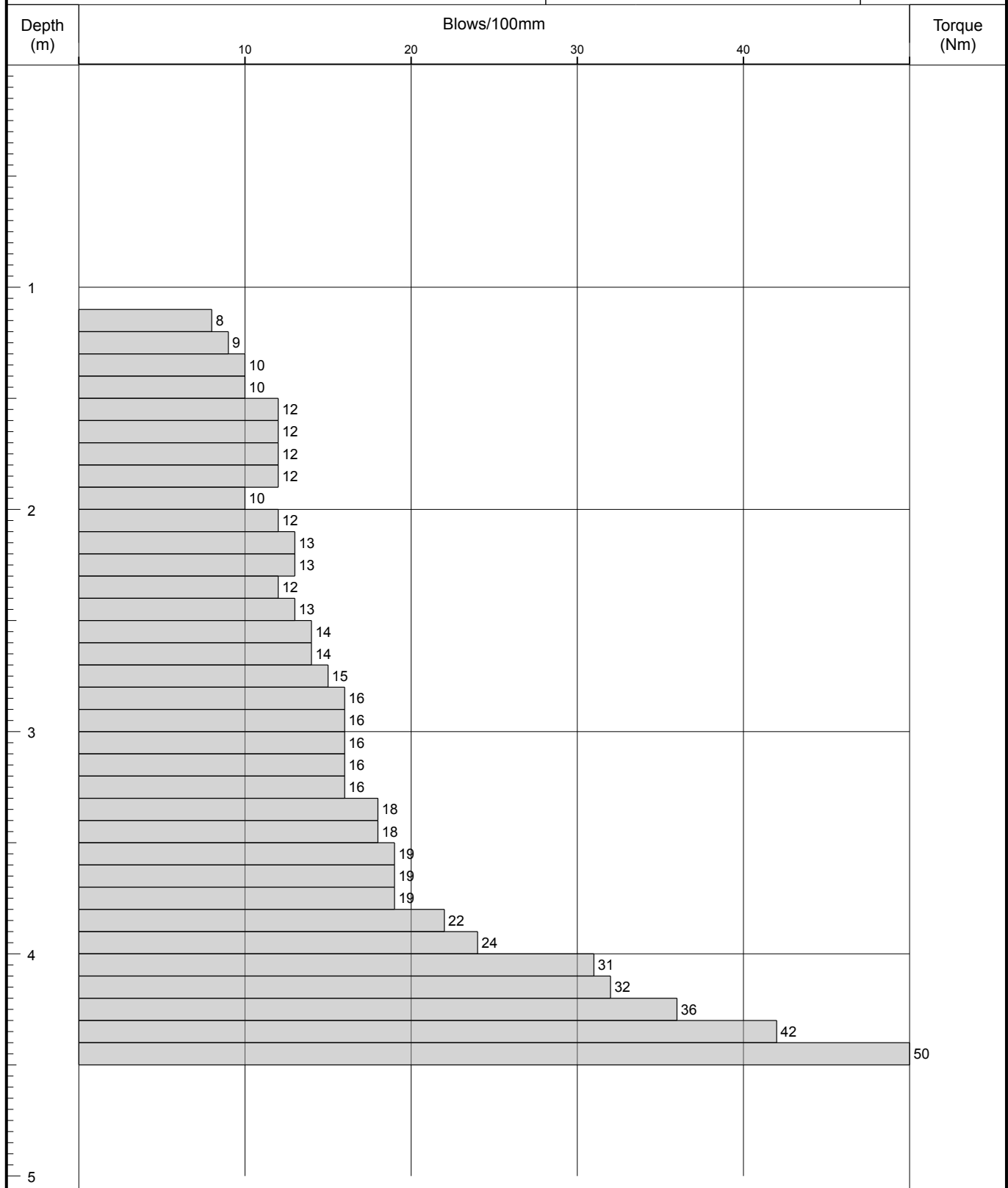
Level: 47.41

Scale
1:25

Client: Reading Borough Council

Dates: - 26/02/2020

Logged By



Remarks

Fall Height 1

Cone Base Diameter 44

Hammer Wt 50.0

Final Depth 4.40

Probe Type DPL

Log Scale 1:25





Geo-Environmental

Probe Log

Borehole No.

DP3

Sheet 1 of 2

Project Name: Wensley Road, Reading

Project No.
GE18760

Co-ords: 470125.19 - 171999.13

Hole Type
DP

Location: Reading

Level: 47.06

Scale
1:25

Client: Reading Borough Council

Dates: - 26/02/2020

Logged By

Depth (m)	Blows/100mm				Torque (Nm)
	10	20	30	40	
1					
	9				
	7				
	4				
	4				
	5				
	6				
	6				
	6				
	6				
2	6				
	7				
	8				
	10				
	10				
	10				
	12				
	12				
	13				
3	12				
	12				
	13				
	14				
	14				
	14				
	14				
	10				
	9				
	19				
4	13				
	14				
	20				
	22				
	21				
	20				
	20				
	23				
	24				
	23				
5	26				

Remarks

Fall Height 1

Cone Base Diameter 44

Hammer Wt 50.0

Final Depth 5.30

Probe Type DPL

Log Scale 1:25





Geo-Environmental

Probe Log

Borehole No.

DP3

Sheet 2 of 2

Project Name: Wensley Road, Reading

Project No.
GE18760

Co-ords: 470125.19 - 171999.13

Hole Type
DP

Location: Reading

Level: 47.06

Scale
1:25

Client: Reading Borough Council

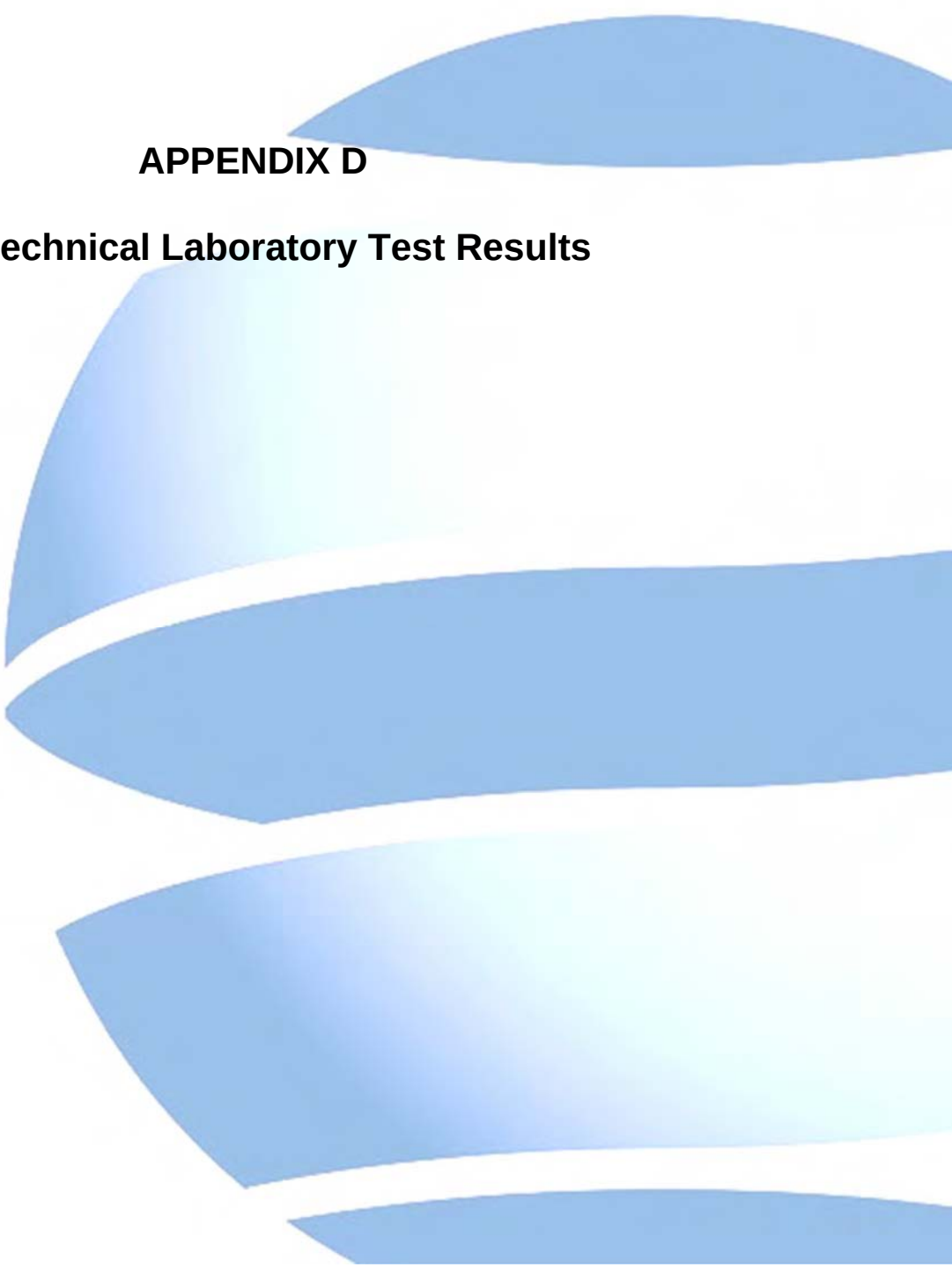
Dates: - 26/02/2020

Logged By

Depth (m)	Blows/100mm				Torque (Nm)
	10	20	30	40	
5	27				50
	28				
	35				
6					
7					
8					
9					
10					
Remarks		Fall Height	1	Cone Base Diameter	44
		Hammer Wt	50.0	Final Depth	5.30
		Probe Type	DPL	Log Scale	1:25







APPENDIX D

Geotechnical Laboratory Test Results



Summary of Natural Moisture Content, Liquid Limit and Plastic Limit Results

Job No. 27969	Project Name Wensley Road, Reading	Programme	
		Samples received	27/02/2020
Project No. GE18760	Client GESL	Schedule received	28/02/2020
		Project started	02/03/2020
		Testing Started	13/03/2020

Hole No.	Sample				Soil Description	NMC %	Passing 425µm %	LL %	PL %	PI %	Remarks
	Ref	Top m	Base m	Type							
TP01	3	1.00	-	D	Brown slightly gravelly slightly sandy silty CLAY (gravel is fmc and sub-rounded to sub-angular)	17	84	38	13	25	
TP01	5	2.00	-	D	Brown slightly gravelly slightly sandy silty CLAY (gravel is fm and sub-angular)	17	85	34	13	21	
TP02	4	0.50	-	D	Brown slightly gravelly slightly sandy silty CLAY (gravel is fmc and sub-rounded to sub-angular)	15	79	28	12	16	
TP02	9	2.50	-	D	Orangish brown slightly gravelly slightly sandy silty CLAY (gravel is fmc and sub-angular to angular)	16	86	34	13	21	
TP05	4	0.50	-	D	Brown slightly gravelly sandy silty CLAY with occasional roots (gravel is fm and sub-angular to sub-rounded)	14	80	19	14	5	
TP06	4	1.00	-	D	Brown clayey gravelly SAND (gravel is fm and sub-rounded to sub-angular)	20	-	-	-	-	Non Plastic
WS01	7	3.50	-	D	Orangish brown sandy silty CLAY with rare fine gravel	16	99	37	14	23	
WS01	9	4.50	-	D	Orangish brown and greenish grey slightly sandy silty CLAY	18	100	47	17	30	
WS03	4	1.50	-	D	Orangish brown slightly gravelly sandy silty CLAY (gravel is fmc and sub-angular to angular)	17	82	27	14	13	

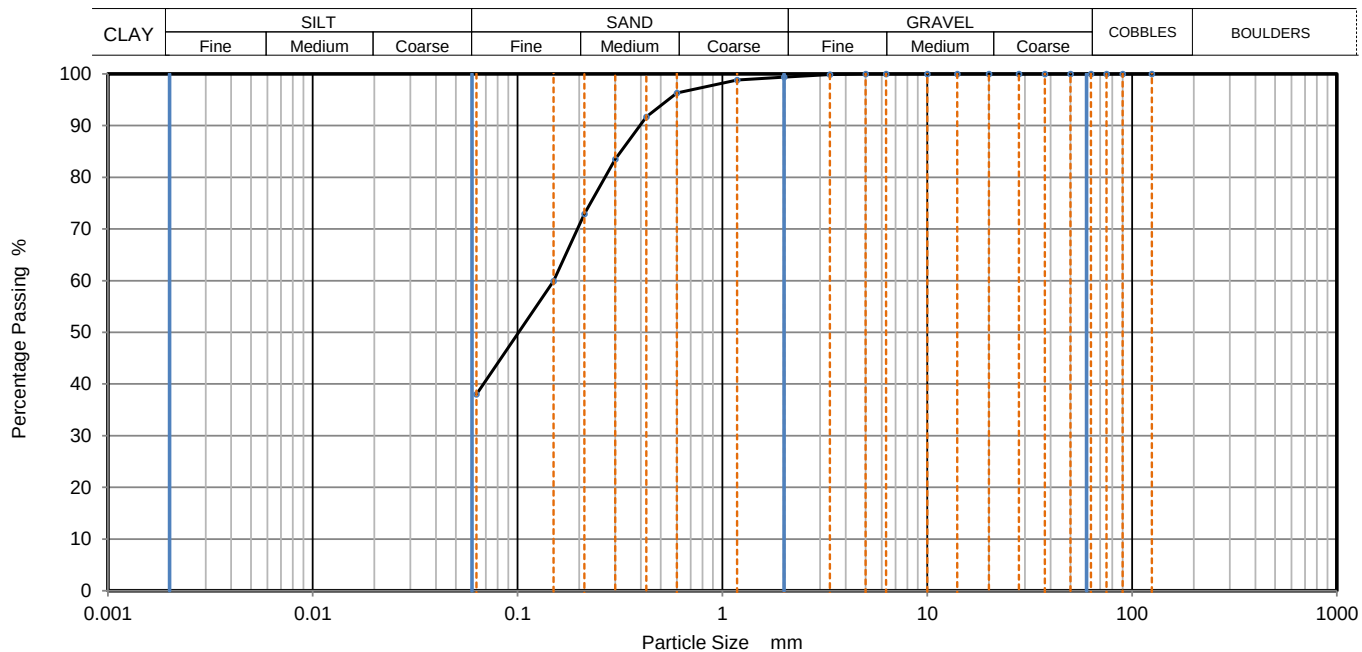
 2519	Test Methods: BS1377: Part 2: 1990: Natural Moisture Content : clause 3.2 Atterberg Limits: clause 4.3 and 5.0	Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU Tel: 01923 711 288 Email: James@k4soils.com	Checked and Approved Initials J.P Date: 20/03/2020
	Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)		MSF-5-R1(b)



PARTICLE SIZE DISTRIBUTION

Job Ref	27969
Borehole/Pit No.	TP01
Sample No.	4
Depth Top	1.50 m
Depth Base	- m
Sample Type	D
Samples received	27/02/2020
Schedules received	28/02/2020
Project started	02/03/2020
Date tested	16/03/2020

Site Name	Wensley Road, Reading		
Project No.	GE18760	Client	GESL
Soil Description	Orangish brown silty sandy CLAY with occasional rootlets and rare fine gravel		
Test Method	BS1377:Part 2: 1990, clause 9.0		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	100		
2	99		
1.18	99		
0.6	96		
0.425	92		
0.3	84		
0.212	73		
0.15	60		
0.063	38		

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	0.6
Sand	61.4
Fines <0.063mm	38.0

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks
Preparation and testing in accordance with BS1377 unless noted below



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Unit 8, Olds Close, Watford, Herts, WD18 9RU
Email: james@k4soils.com
Tel: 01923 711288

Checked and Approved

Initials: J.P
Date: 20/03/2020

2519

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

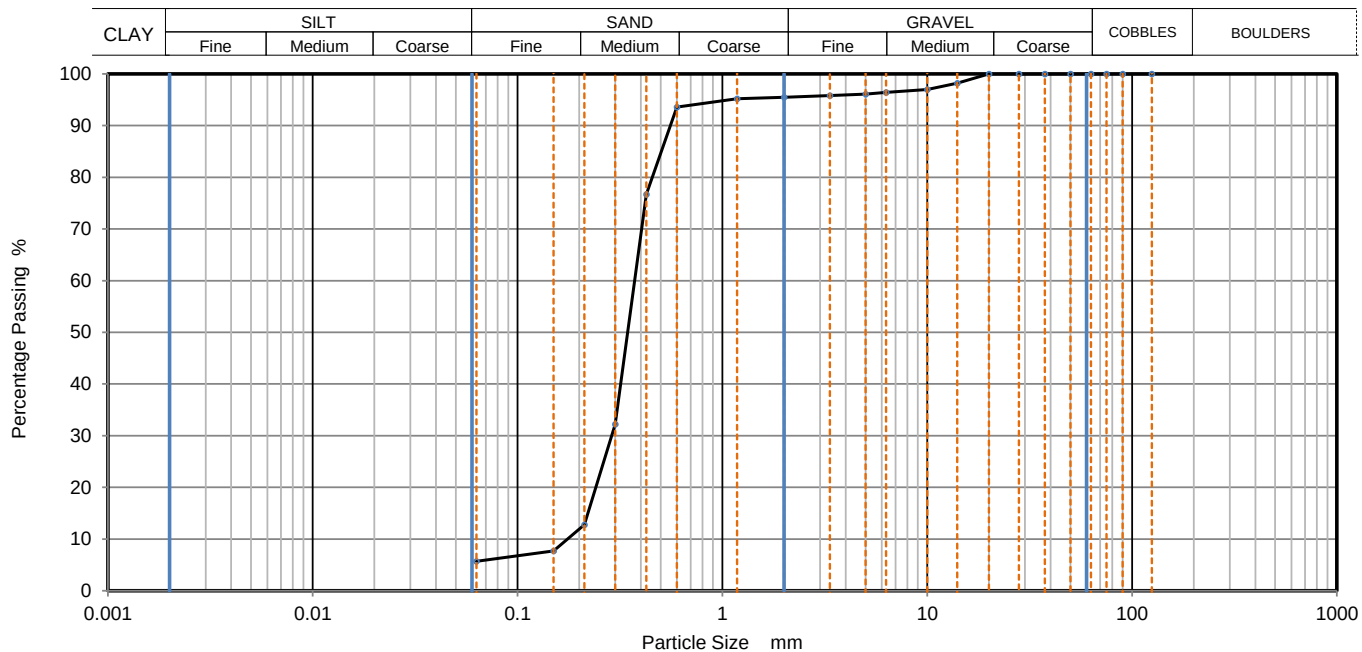
MSF-5-R3



PARTICLE SIZE DISTRIBUTION

Job Ref	27969
Borehole/Pit No.	TP03
Sample No.	5
Depth Top	1.50 m
Depth Base	- m
Sample Type	D
Samples received	27/02/2020
Schedules received	28/02/2020
Project started	02/03/2020
Date tested	13/03/2020

Site Name	Wensley Road, Reading		
Project No.	GE18760	Client	GESL
Soil Description	Orangish brown slightly gravelly clayey SAND (gravel is fm and sub-angular)		
Test Method	BS1377:Part 2: 1990, clause 9.0		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	98		
10	97		
6.3	96		
5	96		
3.35	96		
2	96		
1.18	95		
0.6	94		
0.425	77		
0.3	32		
0.212	13		
0.15	8		
0.063	6		

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	4.5
Sand	89.8
Fines <0.063mm	5.7

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	2.1
Curvature Coefficient	1.3

Remarks
Preparation and testing in accordance with BS1377 unless noted below



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Checked and Approved

Initials: J.P
Date: 20/03/2020

2519

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

MSF-5-R3



PARTICLE SIZE DISTRIBUTION

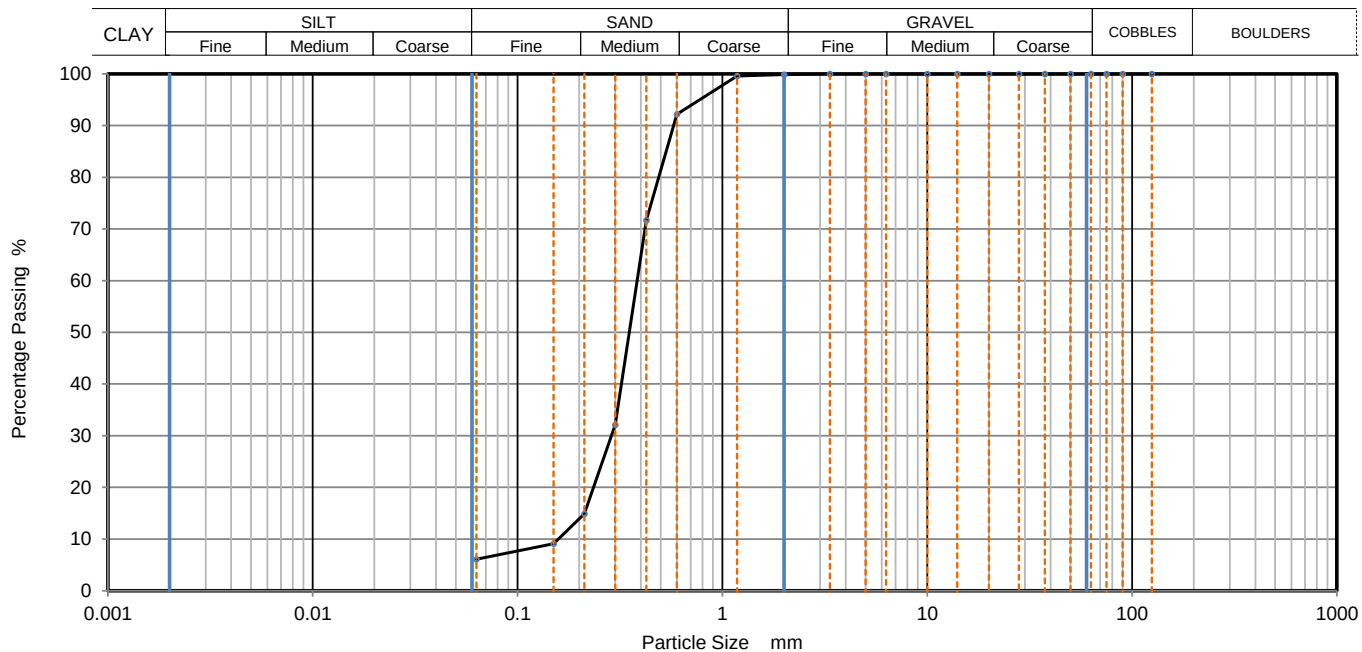
Job Ref	27969
Borehole/Pit No.	WS04
Sample No.	5
Depth Top	2.00 m
Depth Base	- m
Sample Type	D
Samples received	27/02/2020
Schedules received	28/02/2020
Project started	02/03/2020
Date tested	13/03/2020

Site Name Wensley Road, Reading

Project No. GE18760 Client GESL

Soil Description Orangish brown clayey SAND

Test Method BS1377:Part 2: 1990, clause 9.0



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	100		
2	100		
1.18	100		
0.6	92		
0.425	72		
0.3	32		
0.212	15		
0.15	9		
0.063	6		

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	0.1
Sand	93.8
Fines <0.063mm	6.1

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	2.4
Curvature Coefficient	1.4

Remarks
Preparation and testing in accordance with BS1377 unless noted below



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Checked and Approved

Initials: J.P

Date: 20/03/2020

2519

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

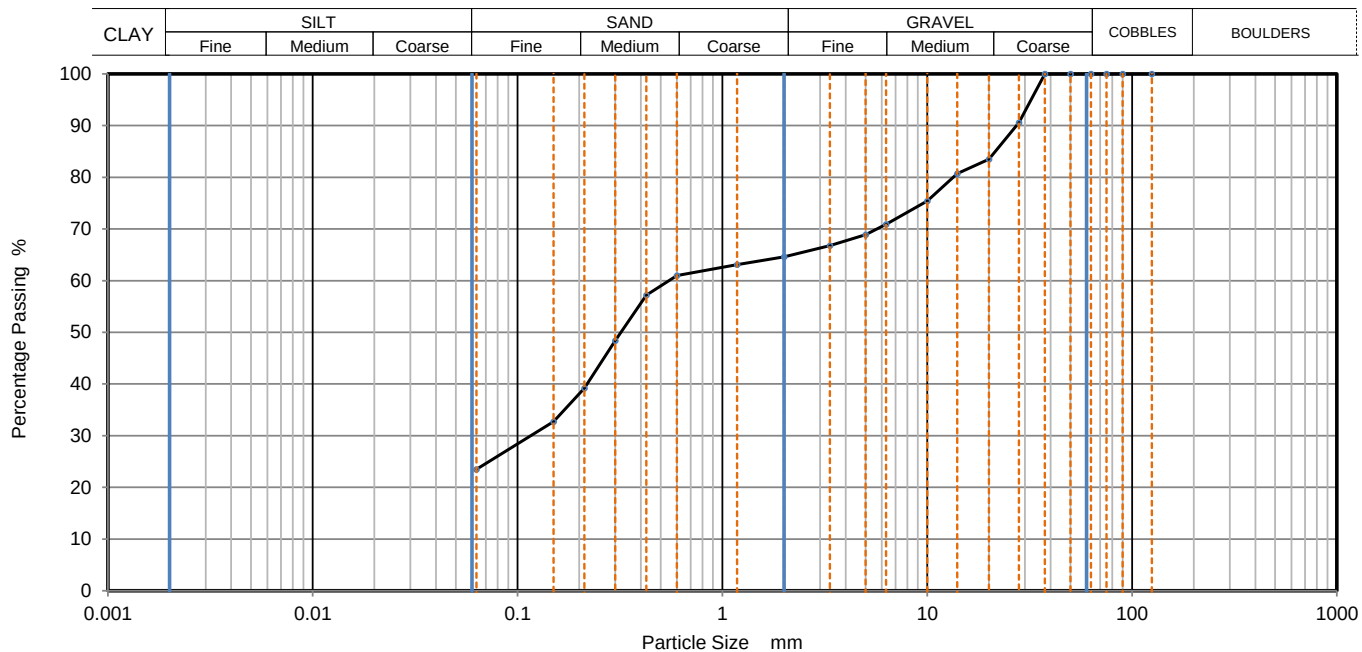
MSF-5-R3



PARTICLE SIZE DISTRIBUTION

Job Ref	27969
Borehole/Pit No.	WS05
Sample No.	4
Depth Top	1.00 m
Depth Base	- m
Sample Type	D
Samples received	27/02/2020
Schedules received	28/02/2020
Project started	02/03/2020
Date tested	16/03/2020

Site Name	Wensley Road, Reading		
Project No.	GE18760	Client	GESL
Soil Description	Brown very clayey very gravelly SAND (gravel is fmc and sub-rounded)		
Test Method	BS1377:Part 2: 1990, clause 9.0		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	91		
20	84		
14	81		
10	75		
6.3	71		
5	69		
3.35	67		
2	65		
1.18	63		
0.6	61		
0.425	57		
0.3	48		
0.212	39		
0.15	33		
0.063	24		

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	35.4
Sand	41.2
Fines <0.063mm	23.5

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks
Preparation and testing in accordance with BS1377 unless noted below



K4 Soils Laboratory
Unit 8, Olds Close, Watford, Herts, WD18 9RU
Email: james@k4soils.com
Tel: 01923 711288

Checked and Approved

Initials: J.P
Date: 20/03/2020

2519

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

MSF-5-R3



California Bearing Ratio (CBR)

Job Ref 27969

Borehole/Pit No. TP02

Site Name Wensley Road, Reading

Sample No. 3

Project No. GE18760

Client

GESL

Depth Top 0.40 m

Soil Description

Brown slightly gravelly sandy silty CLAY with occasional roots (gravel is fmc and angular)

Depth Base - m

Sample Type B

Samples received 27/02/2020

Schedules received 28/02/2020

Test Method BS1377 : Part 4 : 1990, clause 7

Project Started 02/03/2020

Date Tested 13/03/2020

Specimen Preparation

Condition REMOULDED

Details Recompacted with specified standard effort using 2.5kg rammer

Soaking details

Period of soaking 6 days

Time to surface 3 days

Amount of swell recorded -0.50 mm

Material retained on 20mm sieve removed 0.34 %

Initial Specimen details Bulk density 2.02 Mg/m³

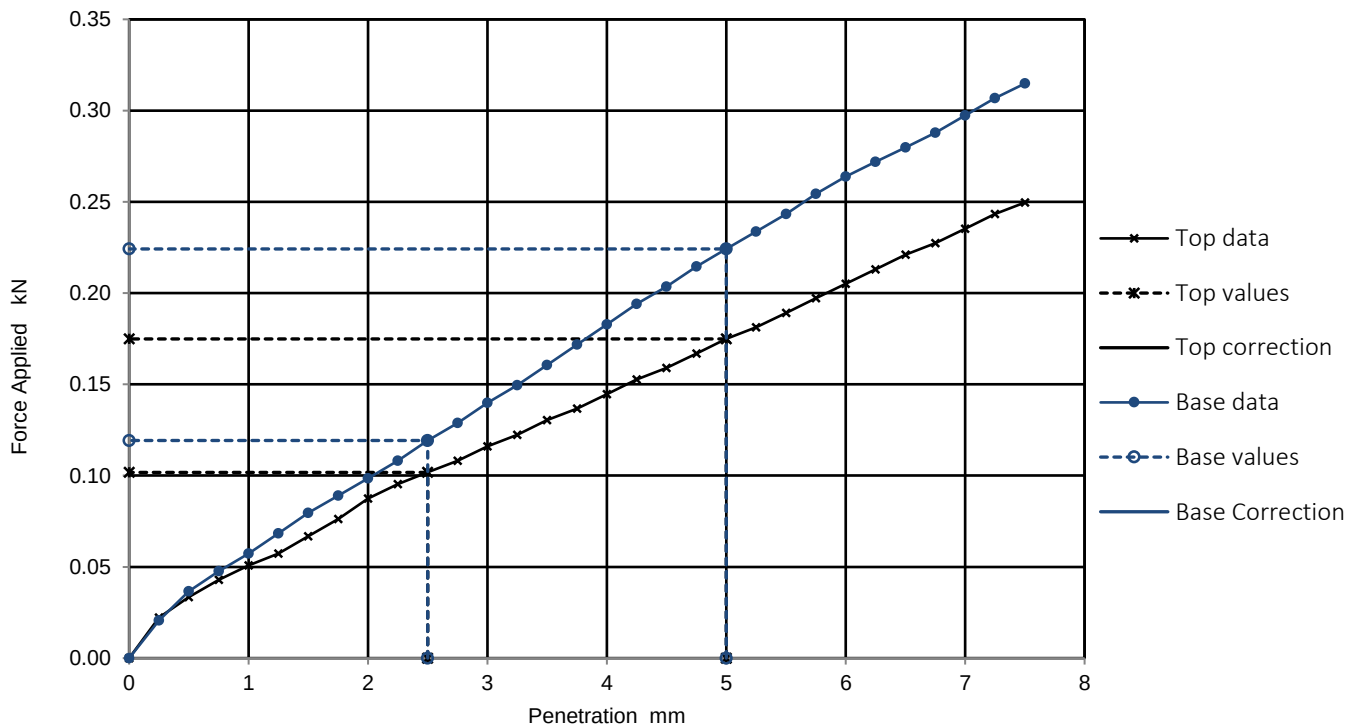
Dry density 1.72 Mg/m³

Moisture content 17 %

Surcharge applied 6 kg

4 kPa

Force v Penetration Plots



Results

TOP
BASE

Curve correction applied	CBR Values, %			
	2.5mm	5mm	Highest	Average
No	0.77	0.87	0.87	N/A
No	0.90	1.1	1.1	

Moisture Content %
19
17

Remarks

1



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

Initials: J.P

Date: 20/03/2020



California Bearing Ratio (CBR)

Job Ref 27969

Borehole/Pit No. TP04

Site Name Wensley Road, Reading

Sample No. 4

Project No. GE18760

Client

GESL

Depth Top 0.50 m

Soil Description

Brown slightly clayey gravelly SAND (gravel is fmc and sub-angular to sub-rounded)

Depth Base - m

Sample Type B

Samples received 27/02/2020

Schedules received 28/02/2020

Test Method BS1377 : Part 4 : 1990, clause 7

Project Started 02/03/2020

Date Tested 16/03/2020

Specimen Preparation

Condition REMOULDED

Details Recompacted with specified standard effort using 2.5kg rammer

Soaking details

Not soaked

Period of soaking - days

Time to surface - days

Amount of swell recorded - mm

Material retained on 20mm sieve removed 7.0 %

Initial Specimen details

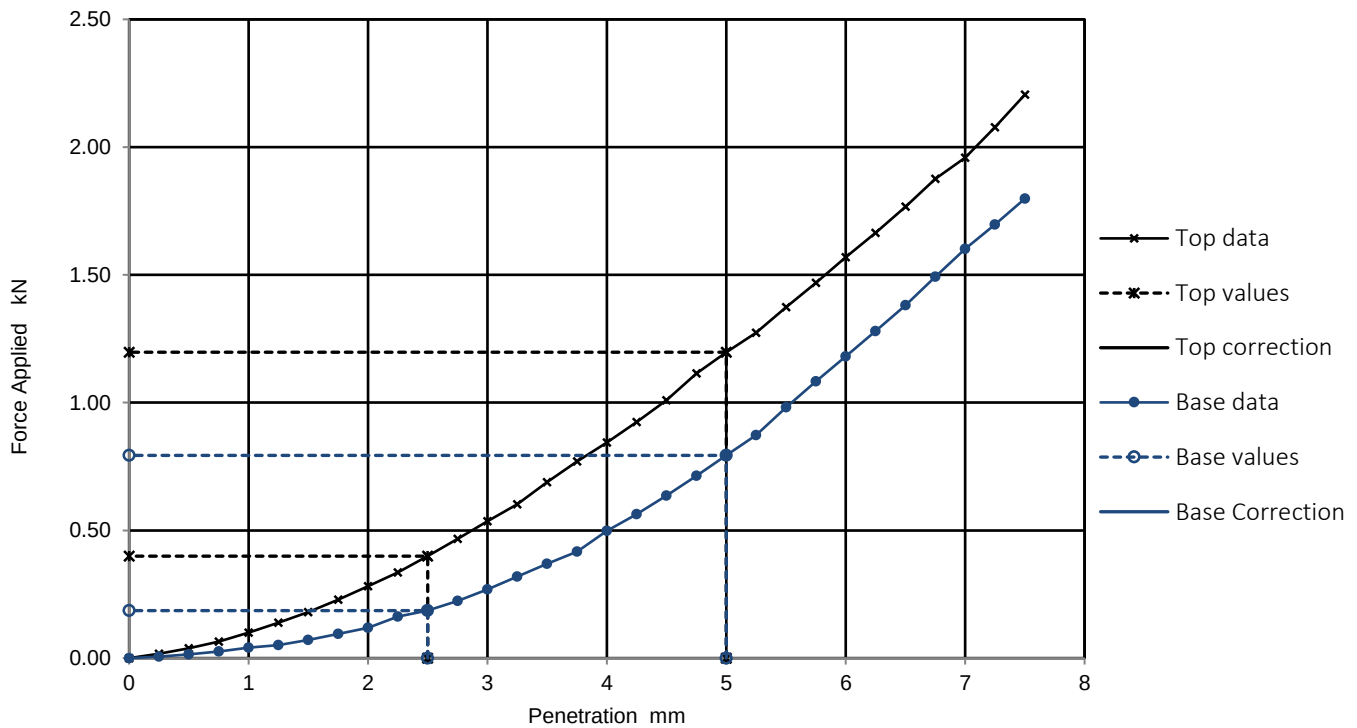
Bulk density 2.30 Mg/m³Dry density 2.12 Mg/m³

Moisture content 8.7 %

Surcharge applied 4 kg

2 kPa

Force v Penetration Plots



Results

TOP
BASE

Curve correction applied	CBR Values, %			
	2.5mm	5mm	Highest	Average
No	3.0	6.0	6.0	N/A
No	1.4	4.0	4.0	

Moisture Content %
8.9
10

Remarks

1



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

Initials: J.P

Date: 20/03/2020

2519

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

MSF-5-R16



California Bearing Ratio (CBR)

Job Ref 27969

Borehole/Pit No. TP04

Site Name Wensley Road, Reading

Sample No. 5

Project No. GE18760

Client

GESL

Depth Top 1.00 m

Soil Description

Light brown slightly clayey slightly gravelly SAND (gravel is fm and sub-rounded to sub-angular)

Depth Base - m

Sample Type B

Samples received 27/02/2020

Schedules received 28/02/2020

Test Method BS1377 : Part 4 : 1990, clause 7

Project Started 02/03/2020

Date Tested 16/03/2020

Specimen Preparation

Condition REMOULDED

Details Recompacted with specified standard effort using 2.5kg rammer

Soaking details

Not soaked

Period of soaking - days

Time to surface - days

Amount of swell recorded - mm

Material retained on 20mm sieve removed 0.0 %

Initial Specimen details Bulk density 1.83 Mg/m³

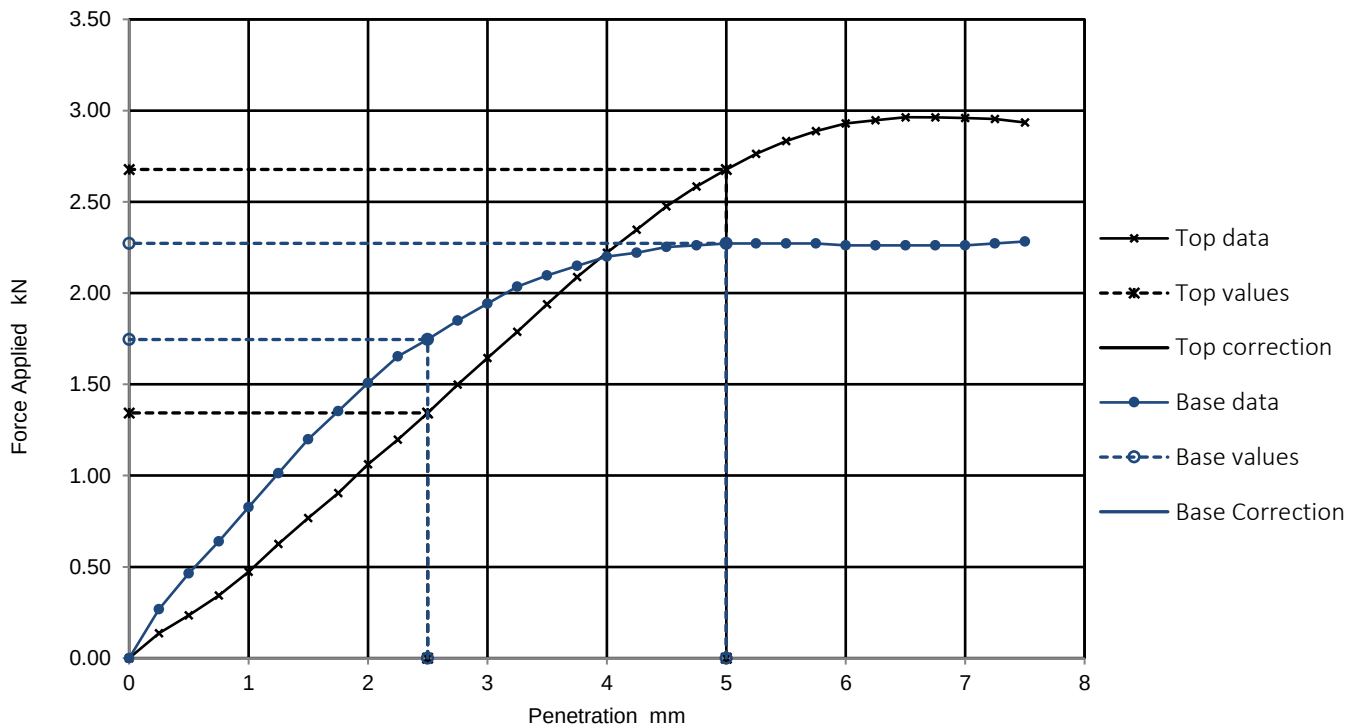
Dry density 1.69 Mg/m³

Moisture content 8.5 %

Surcharge applied 6 kg

4 kPa

Force v Penetration Plots



Results

TOP
BASE

Curve correction applied	CBR Values, %			
	2.5mm	5mm	Highest	Average
No	10	13	13	13
No	13	11	13	

Moisture Content %
9.2
9.0

Remarks

1



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

Initials: J.P

Date: 20/03/2020

2519

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

MSF-5-R16



California Bearing Ratio (CBR)

Job Ref 27969

Borehole/Pit No. TP05

Site Name Wensley Road, Reading

Sample No. 3

Project No. GE18760

Client

GESL

Depth Top 0.40 m

Soil Description

Brown slightly gravelly slightly sandy silty CLAY with occasional roots (gravel is fmc and angular to sub-angular)

Depth Base - m

Sample Type B

Samples received 27/02/2020

Schedules received 28/02/2020

Test Method BS1377 : Part 4 : 1990, clause 7

Project Started 02/03/2020

Date Tested 13/03/2020

Specimen Preparation

Condition REMOULDED

Details Recompacted with specified standard effort using 2.5kg rammer

Soaking details

Period of soaking 6 days

Time to surface 3 days

Amount of swell recorded -1.80 mm

Material retained on 20mm sieve removed 1.4 %

Initial Specimen details Bulk density 2.09 Mg/m³

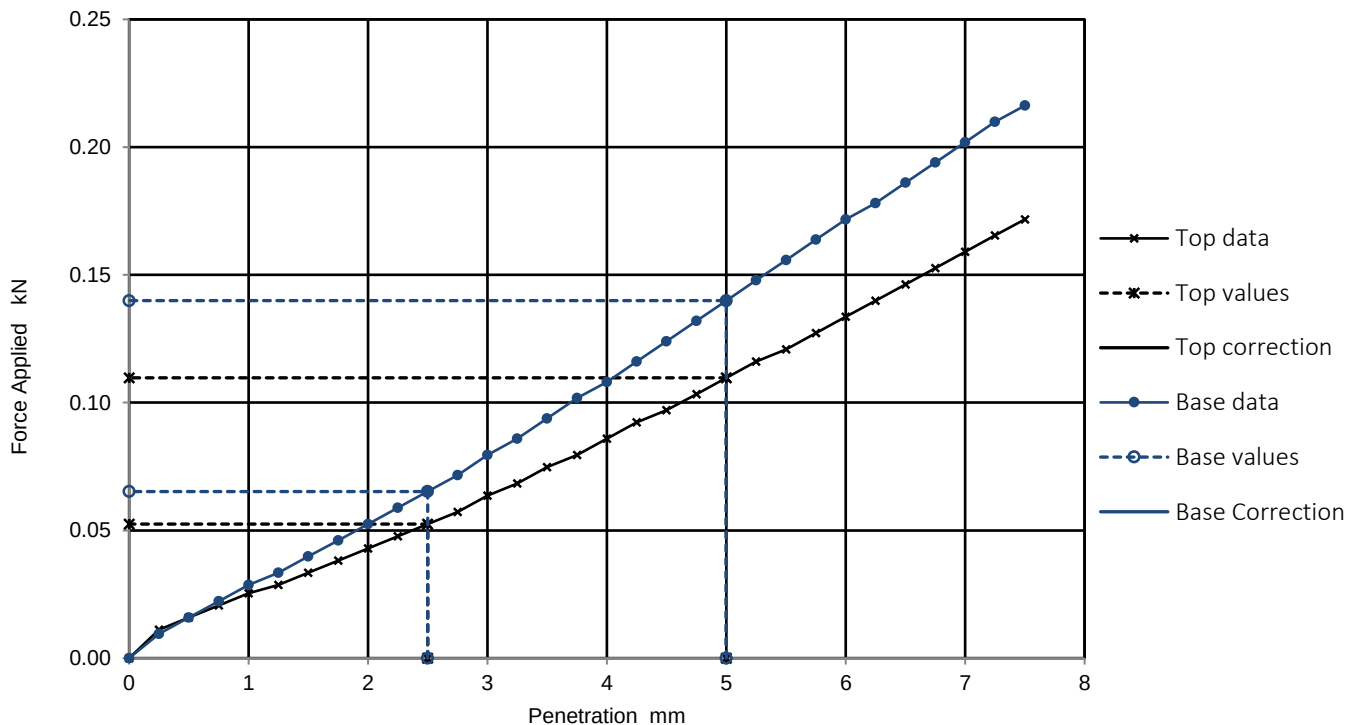
Dry density 1.81 Mg/m³

Moisture content 15 %

Surcharge applied 6 kg

4 kPa

Force v Penetration Plots



Results

TOP
BASE

Curve correction applied	CBR Values, %			
	2.5mm	5mm	Highest	Average
No	0.40	0.55	0.55	N/A
No	0.49	0.70	0.70	

Moisture Content %
15
14

Remarks

1



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

Initials: J.P

Date: 20/03/2020



California Bearing Ratio (CBR)

Job Ref 27969

Borehole/Pit No. TP08

Site Name Wensley Road, Reading

Sample No. 2

Project No. GE18760

Client

GESL

Depth Top 0.80 m

Soil Description

Brown slightly gravelly slightly clayey silty SAND (gravel is fmc and sub-angular to sub-rounded)

Depth Base - m

Sample Type B

Samples received 27/02/2020

Schedules received 28/02/2020

Test Method BS1377 : Part 4 : 1990, clause 7

Project Started 02/03/2020

Date Tested 16/03/2020

Specimen Preparation

Condition REMOULDED

Soaking details Not soaked

Details Recompacted with specified standard effort using 2.5kg rammer

Period of soaking - days

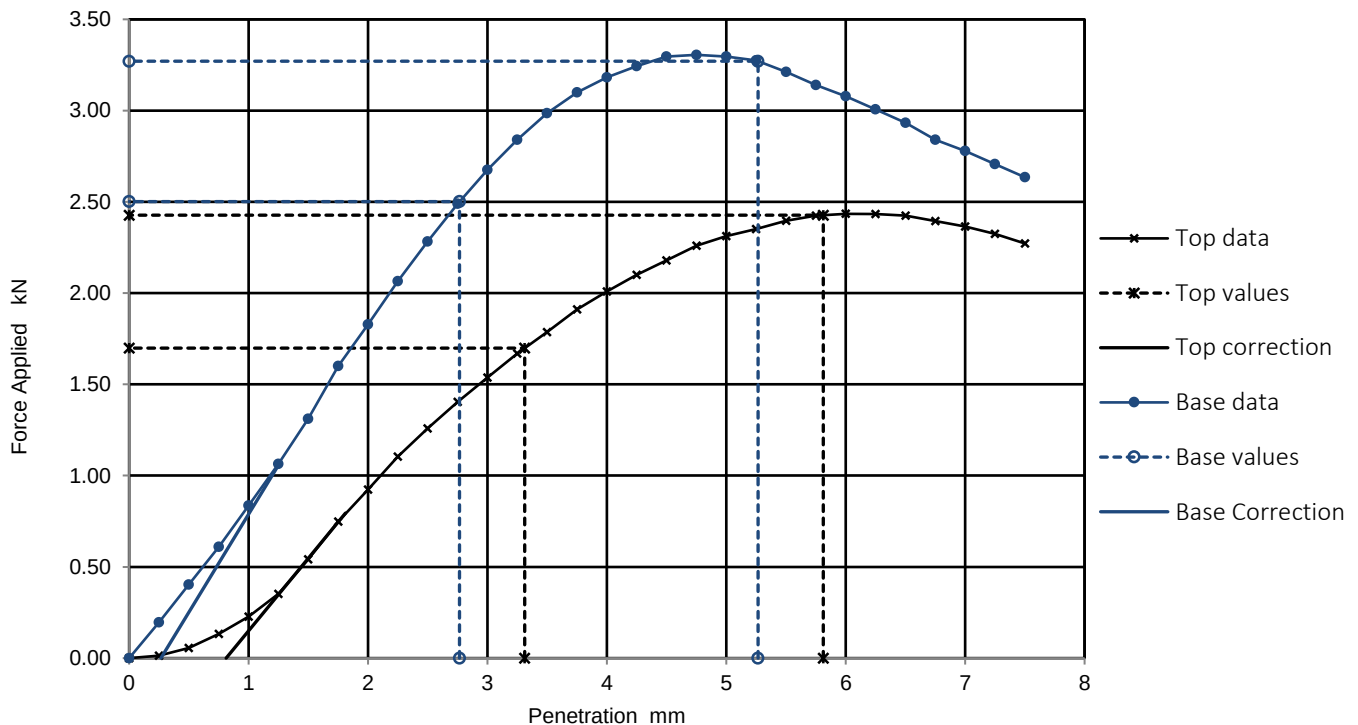
Time to surface - days

Amount of swell recorded - mm

Material retained on 20mm sieve removed 0.22 %

Initial Specimen details	Bulk density	1.86	Mg/m ³	Surcharge applied	4	kg
	Dry density	1.74	Mg/m ³		2	kPa
	Moisture content	6.9	%			

Force v Penetration Plots



Results

TOP
BASE

Curve correction applied	CBR Values, %			
	2.5mm	5mm	Highest	Average
Yes	13	12	13	N/A
Yes	19	16	19	

Moisture Content %
7.0
7.0

Remarks

1



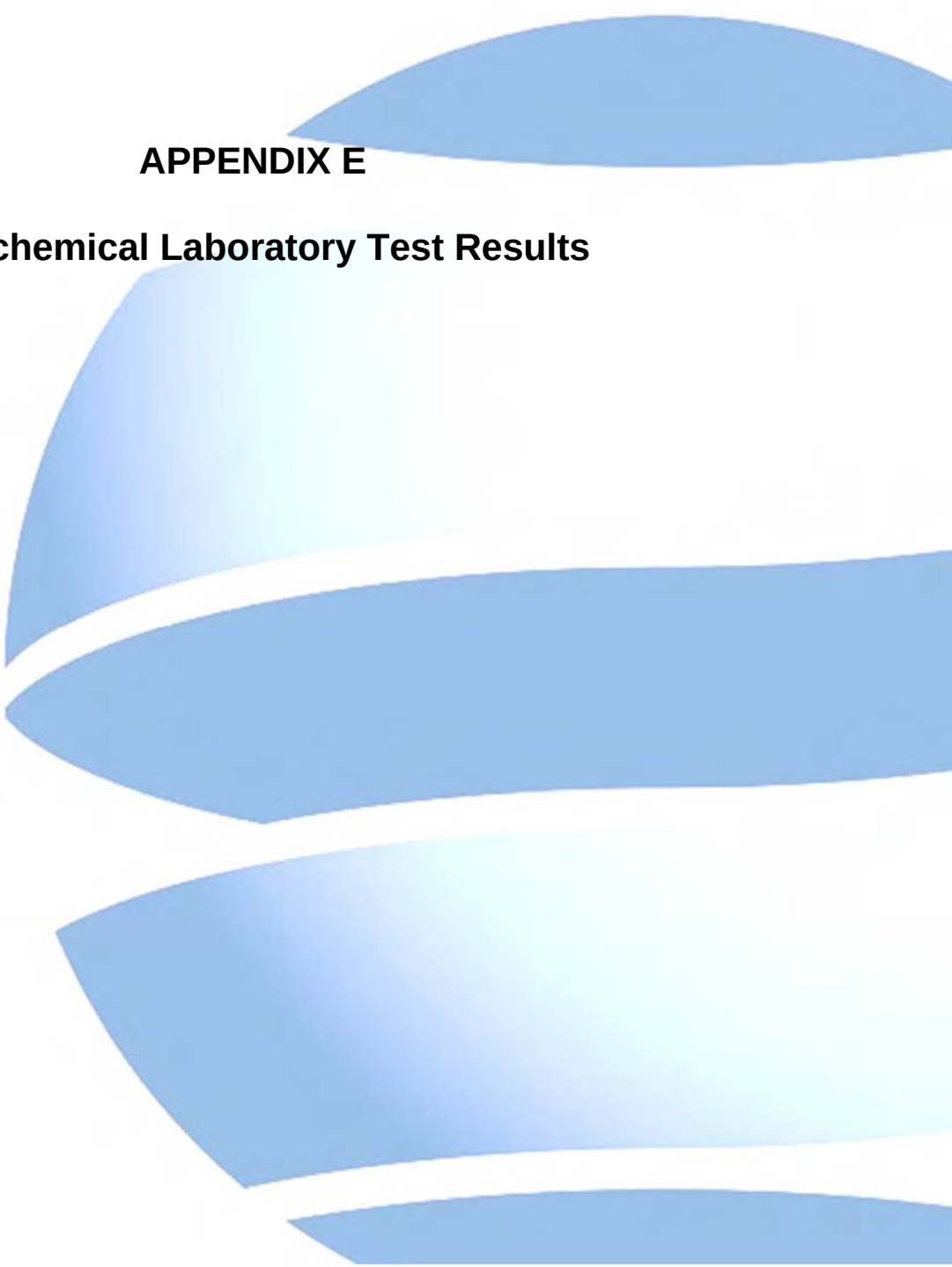
Test Report by K4 SOILS LABORATORY
Unit 8 Olds Close Olds Approach
Watford Herts WD18 9RU

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

Checked and Approved

Initials: J.P

Date: 20/03/2020



APPENDIX E

Geochemical Laboratory Test Results

**Shaun Armitage**

Geo-Environmental Services Ltd
Unit 7, Danworth Farm
Cuckfield Road
Hurstpierpoint
West Sussex
BN6 9GL

t: 01273 832972

e: shaun.armitage@gesl.net

i2 Analytical Ltd.
7 Woodshots Meadow,
Croxley Green
Business Park,
Watford,
Herts,
WD18 8YS

t: 01923 225404

f: 01923 237404

e: reception@i2analytical.com

Analytical Report Number : 20-89782

Project / Site name:	Wensley Road, Reading	Samples received on:	28/02/2020
Your job number:	GE18760	Samples instructed on:	28/02/2020
Your order number:	PO-2535	Analysis completed by:	06/03/2020
Report Issue Number:	1	Report issued on:	06/03/2020
Samples Analysed:	17 soil samples		

Signed: 

Zina Abdul Razzak
Senior Quality Specialist

For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement uncertainty can be provided on request.

Iss No 20-89782-1 Wensley Road, Reading GE18760

This certificate should not be reproduced, except in full, without the express permission of the laboratory.

The results included within the report are representative of the samples submitted for analysis.

Page 1 of 29



Analytical Report Number: 20-89782

Project / Site name: Wensley Road, Reading

Your Order No: PO-2535

Lab Sample Number				1457570	1457571	1457572	1457573	1457574
Sample Reference				TP01	TP01	TP02	TP03	TP05
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.90	0.20	0.20	0.40
Date Sampled				25/02/2020	25/02/2020	25/02/2020	25/02/2020	25/02/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	N/A	NONE	13	13	18	13	12
Total mass of sample received	kg	0.001	NONE	1.2	1.3	1.2	1.3	1.3

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	-	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.2	7.8	7.3	7.3	7.5
Total Cyanide	mg/kg	1	MCERTS	< 1	-	< 1	< 1	< 1
Total Sulphate as SO ₄	mg/kg	50	MCERTS	-	220	-	-	-
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	83	-	27	20	20
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.042	0.0093	0.014	0.0099	0.010
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	41.7	-	13.7	9.9	10.1
Sulphide	mg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	5.2
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	2.5	1.1	2.5	1.2	1.0
Elemental Sulphur	mg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0	< 5.0
Total Sulphur	mg/kg	50	MCERTS	-	96	-	-	-
Total Organic Carbon (TOC)	%	0.1	MCERTS	1.6	-	1.6	1.3	0.5
Water Soluble Nitrate (2:1) as NO ₃	mg/kg	2	NONE	-	5.9	-	-	-

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	< 1.0
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.23	-	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	0.20	-	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.16	-	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	0.18	-	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	0.22	-	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.07	-	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	1.06	-	< 0.80	< 0.80	< 0.80
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Analytical Report Number: 20-89782

Project / Site name: Wensley Road, Reading

Your Order No: PO-2535

Lab Sample Number				1457570	1457571	1457572	1457573	1457574
Sample Reference				TP01	TP01	TP02	TP03	TP05
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.90	0.20	0.20	0.40
Date Sampled				25/02/2020	25/02/2020	25/02/2020	25/02/2020	25/02/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)				Units	Limit of detection	Accreditation Status		

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	11	-	8.3	9.0	6.6
Barium (aqua regia extractable)	mg/kg	1	MCERTS	59	-	45	47	45
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.62	-	0.60	0.60	0.45
Boron (water soluble)	mg/kg	0.2	MCERTS	0.8	-	0.9	0.4	0.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	-	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	4	MCERTS	< 4.0	-	< 4.0	< 4.0	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	16	-	16	14	12
Copper (aqua regia extractable)	mg/kg	1	MCERTS	15	-	12	14	8.2
Lead (aqua regia extractable)	mg/kg	1	MCERTS	49	-	32	39	15
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	-	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	15	-	13	13	11
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	26	-	27	26	20
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	68	-	53	46	32

Magnesium (water soluble)	mg/kg	5	NONE	-	5.4	-	-	-
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Monoaromatics & Oxygenates

Benzene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	< 1.0

Petroleum Hydrocarbons

Petroleum Range Organics (C6 - C10)	mg/kg	0.1	MCERTS	-	-	-	-	-
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TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	-	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	-	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	-	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	-	< 10	< 10	< 10

TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	-	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	-	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	-	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	-	< 10	< 10	< 10

TPH (C10 - C25)	mg/kg	10	MCERTS	-	-	-	-	-
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Analytical Report Number: 20-89782

Project / Site name: Wensley Road, Reading

Your Order No: PO-2535

Lab Sample Number				1457570	1457571	1457572	1457573	1457574
Sample Reference				TP01	TP01	TP02	TP03	TP05
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.90	0.20	0.20	0.40
Date Sampled				25/02/2020	25/02/2020	25/02/2020	25/02/2020	25/02/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)				Units	Limit of detection	Accreditation Status		

VOCs

Chloromethane	µg/kg	1	ISO 17025	< 1.0	-	-	-	-
Chloroethane	µg/kg	1	NONE	< 1.0	-	-	-	-
Bromomethane	µg/kg	1	ISO 17025	< 1.0	-	-	-	-
Vinyl Chloride	µg/kg	1	NONE	< 1.0	-	-	-	-
Trichlorofluoromethane	µg/kg	1	NONE	< 1.0	-	-	-	-
1,1-Dichloroethene	µg/kg	1	NONE	< 1.0	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	1	ISO 17025	< 1.0	-	-	-	-
Cis-1,2-dichloroethene	µg/kg	1	MCERTS	< 1.0	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	-	-	-	-
1,1-Dichloroethane	µg/kg	1	MCERTS	< 1.0	-	-	-	-
2,2-Dichloropropane	µg/kg	1	MCERTS	< 1.0	-	-	-	-
Trichloromethane	µg/kg	1	MCERTS	< 1.0	-	-	-	-
1,1,1-Trichloroethane	µg/kg	1	MCERTS	< 1.0	-	-	-	-
1,2-Dichloroethane	µg/kg	1	MCERTS	< 1.0	-	-	-	-
1,1-Dichloropropene	µg/kg	1	MCERTS	< 1.0	-	-	-	-
Trans-1,2-dichloroethene	µg/kg	1	NONE	< 1.0	-	-	-	-
Benzene	µg/kg	1	MCERTS	< 1.0	-	-	-	-
Tetrachloromethane	µg/kg	1	MCERTS	< 1.0	-	-	-	-
1,2-Dichloropropane	µg/kg	1	MCERTS	< 1.0	-	-	-	-
Trichloroethene	µg/kg	1	MCERTS	< 1.0	-	-	-	-
Dibromomethane	µg/kg	1	MCERTS	< 1.0	-	-	-	-
Bromodichloromethane	µg/kg	1	MCERTS	< 1.0	-	-	-	-
Cis-1,3-dichloropropene	µg/kg	1	ISO 17025	< 1.0	-	-	-	-
Trans-1,3-dichloropropene	µg/kg	1	ISO 17025	< 1.0	-	-	-	-
Toluene	µg/kg	1	MCERTS	< 1.0	-	-	-	-
1,1,2-Trichloroethane	µg/kg	1	MCERTS	< 1.0	-	-	-	-
1,3-Dichloropropane	µg/kg	1	ISO 17025	< 1.0	-	-	-	-
Dibromochloromethane	µg/kg	1	ISO 17025	< 1.0	-	-	-	-
Tetrachloroethene	µg/kg	1	NONE	< 1.0	-	-	-	-
1,2-Dibromoethane	µg/kg	1	ISO 17025	< 1.0	-	-	-	-
Chlorobenzene	µg/kg	1	MCERTS	< 1.0	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	1	MCERTS	< 1.0	-	-	-	-
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	-	-	-	-
p & m-Xylene	µg/kg	1	MCERTS	< 1.0	-	-	-	-
Styrene	µg/kg	1	MCERTS	< 1.0	-	-	-	-
Tribromomethane	µg/kg	1	NONE	< 1.0	-	-	-	-
o-Xylene	µg/kg	1	MCERTS	< 1.0	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/kg	1	MCERTS	< 1.0	-	-	-	-
Isopropylbenzene	µg/kg	1	MCERTS	< 1.0	-	-	-	-
Bromobenzene	µg/kg	1	MCERTS	< 1.0	-	-	-	-
n-Propylbenzene	µg/kg	1	ISO 17025	< 1.0	-	-	-	-
2-Chlorotoluene	µg/kg	1	MCERTS	< 1.0	-	-	-	-
4-Chlorotoluene	µg/kg	1	MCERTS	< 1.0	-	-	-	-
1,3,5-Trimethylbenzene	µg/kg	1	ISO 17025	< 1.0	-	-	-	-
tert-Butylbenzene	µg/kg	1	MCERTS	< 1.0	-	-	-	-
1,2,4-Trimethylbenzene	µg/kg	1	ISO 17025	< 1.0	-	-	-	-
sec-Butylbenzene	µg/kg	1	MCERTS	< 1.0	-	-	-	-
1,3-Dichlorobenzene	µg/kg	1	ISO 17025	< 1.0	-	-	-	-
p-Isopropyltoluene	µg/kg	1	ISO 17025	< 1.0	-	-	-	-
1,2-Dichlorobenzene	µg/kg	1	MCERTS	< 1.0	-	-	-	-
1,4-Dichlorobenzene	µg/kg	1	MCERTS	< 1.0	-	-	-	-
Butylbenzene	µg/kg	1	MCERTS	< 1.0	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	1	ISO 17025	< 1.0	-	-	-	-
1,2,4-Trichlorobenzene	µg/kg	1	MCERTS	< 1.0	-	-	-	-
Hexachlorobutadiene	µg/kg	1	MCERTS	< 1.0	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	1	ISO 17025	< 1.0	-	-	-	-



Analytical Report Number: 20-89782

Project / Site name: Wensley Road, Reading

Your Order No: PO-2535

Lab Sample Number				1457570	1457571	1457572	1457573	1457574
Sample Reference				TP01	TP01	TP02	TP03	TP05
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.90	0.20	0.20	0.40
Date Sampled				25/02/2020	25/02/2020	25/02/2020	25/02/2020	25/02/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)				Units	Limit of detection	Accreditation Status		
VOCs TICs								
VOCs TICs Compound Name				N/A	NONE	ND	-	-
VOC % Match				%	N/A	NONE	0	-



Analytical Report Number: 20-89782

Project / Site name: Wensley Road, Reading

Your Order No: PO-2535

Lab Sample Number				1457570	1457571	1457572	1457573	1457574
Sample Reference				TP01	TP01	TP02	TP03	TP05
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.90	0.20	0.20	0.40
Date Sampled				25/02/2020	25/02/2020	25/02/2020	25/02/2020	25/02/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)				Units	Limit of detection	Accreditation Status		

SVOCs

Aniline	mg/kg	0.1	NONE	< 0.1	-	-	-	-
Phenol	mg/kg	0.2	ISO 17025	< 0.2	-	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
Hexachloroethane	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	< 0.2	-	-	-	-
Isophorone	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
2-Nitrophenol	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	< 0.1	-	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	< 0.1	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	< 0.1	-	-	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	< 0.3	-	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
4-Nitroaniline	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
Fluorene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
Azobenzene	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
Anthracene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
Carbazole	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
Dibutyl phthalate	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
Anthraquinone	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
Fluoranthene	mg/kg	0.05	MCERTS	0.23	-	-	-	-
Pyrene	mg/kg	0.05	MCERTS	0.20	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	< 0.3	-	-	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.16	-	-	-	-
Chrysene	mg/kg	0.05	MCERTS	0.18	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	0.22	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.07	-	-	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-



Analytical Report Number: 20-89782

Project / Site name: Wensley Road, Reading

Your Order No: PO-2535

Lab Sample Number				1457570	1457571	1457572	1457573	1457574
Sample Reference				TP01	TP01	TP02	TP03	TP05
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.90	0.20	0.20	0.40
Date Sampled				25/02/2020	25/02/2020	25/02/2020	25/02/2020	25/02/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)				Units	Limit of detection	Accreditation Status		

SVOCs TICs

SVOCs TICs Compound Name		N/A	NONE	ND	-	-	-	-
SVOC % Match	%	N/A	NONE	0	-	-	-	-



Analytical Report Number: 20-89782

Project / Site name: Wensley Road, Reading

Your Order No: PO-2535

Lab Sample Number				1457575	1457576	1457577	1457578	1457579
Sample Reference				TP06	TP06	TP08	WS01	WS01
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.70	1.00	0.20	0.50	1.40
Date Sampled				25/02/2020	25/02/2020	25/02/2020	26/02/2020	26/02/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	N/A	NONE	11	7.3	14	9.8	9.5
Total mass of sample received	kg	0.001	NONE	1.2	1.3	1.1	1.1	1.5

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	Chrysotile & Amosite	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	-	Not-detected	Detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	< 0.001	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	< 0.001	-

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.0	8.3	8.4	8.8	8.8
Total Cyanide	mg/kg	1	MCERTS	< 1	-	< 1	< 1	< 1
Total Sulphate as SO ₄	mg/kg	50	MCERTS	-	200	-	-	190
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	34	-	83	2400	83
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.017	0.014	0.041	1.2	0.042
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	16.9	-	41.4	1220	41.7
Sulphide	mg/kg	1	MCERTS	6.5	-	< 1.0	6.7	< 1.0
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	1.1	1.4	2.1	16	1.4
Elemental Sulphur	mg/kg	5	MCERTS	< 5.0	-	< 5.0	56	< 5.0
Total Sulphur	mg/kg	50	MCERTS	-	78	-	-	83
Total Organic Carbon (TOC)	%	0.1	MCERTS	0.5	-	1.8	0.6	0.1
Water Soluble Nitrate (2:1) as NO ₃	mg/kg	2	NONE	-	2.2	-	-	< 2.0

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	< 1.0
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	0.53	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	-	0.39	0.89	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	-	0.50	0.93	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	-	0.48	0.79	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	-	0.28	0.37	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	-	0.36	0.35	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	-	0.46	0.38	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	-	0.13	0.14	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	-	0.31	0.26	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	-	0.19	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	-	0.24	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	-	3.34	4.64	< 0.80
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Analytical Report Number: 20-89782

Project / Site name: Wensley Road, Reading

Your Order No: PO-2535

Lab Sample Number				1457575	1457576	1457577	1457578	1457579
Sample Reference				TP06	TP06	TP08	WS01	WS01
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.70	1.00	0.20	0.50	1.40
Date Sampled				25/02/2020	25/02/2020	25/02/2020	26/02/2020	26/02/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	3.1	-	5.9	9.7	9.5
Barium (aqua regia extractable)	mg/kg	1	MCERTS	21	-	43	99	41
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.22	-	0.40	0.75	0.51
Boron (water soluble)	mg/kg	0.2	MCERTS	0.5	-	0.3	1.4	0.4
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	-	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	4	MCERTS	< 4.0	-	< 4.0	< 4.0	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	5.6	-	11	31	20
Copper (aqua regia extractable)	mg/kg	1	MCERTS	5.0	-	13	15	7.8
Lead (aqua regia extractable)	mg/kg	1	MCERTS	12	-	34	21	99
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	-	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	5.4	-	10	42	12
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	9.7	-	18	40	34
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	19	-	66	60	30
Magnesium (water soluble)	mg/kg	5	NONE	-	< 5.0	-	-	5.3

Monoaromatics & Oxygenates

Benzene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	< 1.0

Petroleum Hydrocarbons

Petroleum Range Organics (C6 - C10)	mg/kg	0.1	MCERTS	-	-	-	< 0.1	-
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	-	< 2.0	6.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	-	< 8.0	10	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	-	< 8.0	36	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	-	< 10	52	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	-	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	-	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	-	16	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	-	19	15	< 10
TPH (C10 - C25)	mg/kg	10	MCERTS	-	-	-	31	-



Analytical Report Number: 20-89782

Project / Site name: Wensley Road, Reading

Your Order No: PO-2535

Lab Sample Number				1457575	1457576	1457577	1457578	1457579
Sample Reference				TP06	TP06	TP08	WS01	WS01
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.70	1.00	0.20	0.50	1.40
Date Sampled				25/02/2020	25/02/2020	25/02/2020	26/02/2020	26/02/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
VOCs								
Chloromethane	µg/kg	1	ISO 17025	-	-	-	-	-
Chloroethane	µg/kg	1	NONE	-	-	-	-	-
Bromomethane	µg/kg	1	ISO 17025	-	-	-	-	-
Vinyl Chloride	µg/kg	1	NONE	-	-	-	-	-
Trichlorofluoromethane	µg/kg	1	NONE	-	-	-	-	-
1,1-Dichloroethene	µg/kg	1	NONE	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	1	ISO 17025	-	-	-	-	-
Cis-1,2-dichloroethene	µg/kg	1	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	-	-	-	-
1,1-Dichloroethane	µg/kg	1	MCERTS	-	-	-	-	-
2,2-Dichloropropane	µg/kg	1	MCERTS	-	-	-	-	-
Trichloromethane	µg/kg	1	MCERTS	-	-	-	-	-
1,1,1-Trichloroethane	µg/kg	1	MCERTS	-	-	-	-	-
1,2-Dichloroethane	µg/kg	1	MCERTS	-	-	-	-	-
1,1-Dichloropropene	µg/kg	1	MCERTS	-	-	-	-	-
Trans-1,2-dichloroethene	µg/kg	1	NONE	-	-	-	-	-
Benzene	µg/kg	1	MCERTS	-	-	-	-	-
Tetrachloromethane	µg/kg	1	MCERTS	-	-	-	-	-
1,2-Dichloropropane	µg/kg	1	MCERTS	-	-	-	-	-
Trichloroethene	µg/kg	1	MCERTS	-	-	-	-	-
Dibromomethane	µg/kg	1	MCERTS	-	-	-	-	-
Bromodichloromethane	µg/kg	1	MCERTS	-	-	-	-	-
Cis-1,3-dichloropropene	µg/kg	1	ISO 17025	-	-	-	-	-
Trans-1,3-dichloropropene	µg/kg	1	ISO 17025	-	-	-	-	-
Toluene	µg/kg	1	MCERTS	-	-	-	-	-
1,1,2-Trichloroethane	µg/kg	1	MCERTS	-	-	-	-	-
1,3-Dichloropropane	µg/kg	1	ISO 17025	-	-	-	-	-
Dibromochloromethane	µg/kg	1	ISO 17025	-	-	-	-	-
Tetrachloroethene	µg/kg	1	NONE	-	-	-	-	-
1,2-Dibromoethane	µg/kg	1	ISO 17025	-	-	-	-	-
Chlorobenzene	µg/kg	1	MCERTS	-	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	1	MCERTS	-	-	-	-	-
Ethylbenzene	µg/kg	1	MCERTS	-	-	-	-	-
p & m-Xylene	µg/kg	1	MCERTS	-	-	-	-	-
Styrene	µg/kg	1	MCERTS	-	-	-	-	-
Tribromomethane	µg/kg	1	NONE	-	-	-	-	-
o-Xylene	µg/kg	1	MCERTS	-	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/kg	1	MCERTS	-	-	-	-	-
Isopropylbenzene	µg/kg	1	MCERTS	-	-	-	-	-
Bromobenzene	µg/kg	1	MCERTS	-	-	-	-	-
n-Propylbenzene	µg/kg	1	ISO 17025	-	-	-	-	-
2-Chlorotoluene	µg/kg	1	MCERTS	-	-	-	-	-
4-Chlorotoluene	µg/kg	1	MCERTS	-	-	-	-	-
1,3,5-Trimethylbenzene	µg/kg	1	ISO 17025	-	-	-	-	-
tert-Butylbenzene	µg/kg	1	MCERTS	-	-	-	-	-
1,2,4-Trimethylbenzene	µg/kg	1	ISO 17025	-	-	-	-	-
sec-Butylbenzene	µg/kg	1	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	µg/kg	1	ISO 17025	-	-	-	-	-
p-Isopropyltoluene	µg/kg	1	ISO 17025	-	-	-	-	-
1,2-Dichlorobenzene	µg/kg	1	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	µg/kg	1	MCERTS	-	-	-	-	-
Butylbenzene	µg/kg	1	MCERTS	-	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	1	ISO 17025	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/kg	1	MCERTS	-	-	-	-	-
Hexachlorobutadiene	µg/kg	1	MCERTS	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	1	ISO 17025	-	-	-	-	-



Analytical Report Number: 20-89782

Project / Site name: Wensley Road, Reading

Your Order No: PO-2535

Lab Sample Number				1457575	1457576	1457577	1457578	1457579
Sample Reference				TP06	TP06	TP08	WS01	WS01
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.70	1.00	0.20	0.50	1.40
Date Sampled				25/02/2020	25/02/2020	25/02/2020	26/02/2020	26/02/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)				Units	Limit of detection	Accreditation Status		
VOCs TICs								
VOCs TICs Compound Name					N/A	NONE	-	-
VOC % Match				%	N/A	NONE	-	-



Analytical Report Number: 20-89782

Project / Site name: Wensley Road, Reading

Your Order No: PO-2535

Lab Sample Number				1457575	1457576	1457577	1457578	1457579
Sample Reference				TP06	TP06	TP08	WS01	WS01
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.70	1.00	0.20	0.50	1.40
Date Sampled				25/02/2020	25/02/2020	25/02/2020	26/02/2020	26/02/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
SVOCs								
Aniline	mg/kg	0.1	NONE	-	-	-	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Hexachloroethane	mg/kg	0.05	MCERTS	-	-	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	MCERTS	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Naphthalene	mg/kg	0.05	MCERTS	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	-	-	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	-	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	-	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	-	-	-	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	-	-	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	-	-	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	-	-	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Nitroaniline	mg/kg	0.2	MCERTS	-	-	-	-	-
Fluorene	mg/kg	0.05	MCERTS	-	-	-	-	-
Azobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	-	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-	-	-	-
Dibutyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	-
Anthraquinone	mg/kg	0.3	MCERTS	-	-	-	-	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	-	-	-	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Chrysene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	-	-	-



Analytical Report Number: 20-89782

Project / Site name: Wensley Road, Reading

Your Order No: PO-2535

Lab Sample Number				1457575	1457576	1457577	1457578	1457579
Sample Reference				TP06	TP06	TP08	WS01	WS01
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.70	1.00	0.20	0.50	1.40
Date Sampled				25/02/2020	25/02/2020	25/02/2020	26/02/2020	26/02/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)				Units	Limit of detection	Accreditation Status		

SVOCs TICs

SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-



Analytical Report Number: 20-89782

Project / Site name: Wensley Road, Reading

Your Order No: PO-2535

Lab Sample Number				1457580	1457581	1457582	1457583	1457584
Sample Reference				WS02	WS03	WS03	WS04	WS04
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.50	1.00	0.40	0.90
Date Sampled				26/02/2020	26/02/2020	26/02/2020	26/02/2020	26/02/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	N/A	NONE	12	10	11	8.8	6.9
Total mass of sample received	kg	0.001	NONE	1.2	1.3	1.2	1.1	1.2

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	-	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.3	8.2	8.7	11.1	7.8
Total Cyanide	mg/kg	1	MCERTS	< 1	< 1	-	< 1	< 1
Total Sulphate as SO ₄	mg/kg	50	MCERTS	-	-	300	-	190
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	210	62	-	180	35
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.11	0.031	0.036	0.089	0.017
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	106	30.8	-	89.4	17.4
Sulphide	mg/kg	1	MCERTS	< 1.0	< 1.0	-	1.7	< 1.0
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	1.4	2.2	4.1	130	11
Elemental Sulphur	mg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	< 5.0
Total Sulphur	mg/kg	50	MCERTS	-	-	110	-	81
Total Organic Carbon (TOC)	%	0.1	MCERTS	0.9	0.6	-	0.4	< 0.1
Water Soluble Nitrate (2:1) as NO ₃	mg/kg	2	NONE	-	-	9.3	-	47

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	-	< 0.80	< 0.80
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Analytical Report Number: 20-89782

Project / Site name: Wensley Road, Reading

Your Order No: PO-2535

Lab Sample Number				1457580	1457581	1457582	1457583	1457584
Sample Reference				WS02	WS03	WS03	WS04	WS04
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.50	1.00	0.40	0.90
Date Sampled				26/02/2020	26/02/2020	26/02/2020	26/02/2020	26/02/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	8.5	9.2	-	6.2	5.6
Barium (aqua regia extractable)	mg/kg	1	MCERTS	43	43	-	47	38
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.53	0.55	-	0.43	0.51
Boron (water soluble)	mg/kg	0.2	MCERTS	0.5	0.6	-	1.5	0.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	-	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	4	MCERTS	< 4.0	< 4.0	-	< 4.0	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	14	15	-	14	17
Copper (aqua regia extractable)	mg/kg	1	MCERTS	34	17	-	12	19
Lead (aqua regia extractable)	mg/kg	1	MCERTS	40	38	-	34	27
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	-	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	13	13	-	12	17
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	2.0	-	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	23	26	-	22	28
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	48	46	-	34	39
Magnesium (water soluble)	mg/kg	5	NONE	-	-	5.3	-	5.8
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
Petroleum Hydrocarbons								
Petroleum Range Organics (C6 - C10)	mg/kg	0.1	MCERTS	-	-	-	< 0.1	-
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	-	1.2	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	-	31	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0	-	38	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	< 8.0	-	49	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	-	120	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	-	13	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	< 10	-	23	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	< 10	-	59	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	-	96	< 10
TPH (C10 - C25)	mg/kg	10	MCERTS	-	-	-	130	-



Analytical Report Number: 20-89782

Project / Site name: Wensley Road, Reading

Your Order No: PO-2535

Lab Sample Number				1457580	1457581	1457582	1457583	1457584
Sample Reference				WS02	WS03	WS03	WS04	WS04
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.50	1.00	0.40	0.90
Date Sampled				26/02/2020	26/02/2020	26/02/2020	26/02/2020	26/02/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
VOCs								
Chloromethane	µg/kg	1	ISO 17025	-	-	-	< 1.0	-
Chloroethane	µg/kg	1	NONE	-	-	-	< 1.0	-
Bromomethane	µg/kg	1	ISO 17025	-	-	-	< 1.0	-
Vinyl Chloride	µg/kg	1	NONE	-	-	-	< 1.0	-
Trichlorofluoromethane	µg/kg	1	NONE	-	-	-	< 1.0	-
1,1-Dichloroethene	µg/kg	1	NONE	-	-	-	< 1.0	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	1	ISO 17025	-	-	-	< 1.0	-
Cis-1,2-dichloroethene	µg/kg	1	MCERTS	-	-	-	< 1.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	-	-	< 1.0	-
1,1-Dichloroethane	µg/kg	1	MCERTS	-	-	-	< 1.0	-
2,2-Dichloropropane	µg/kg	1	MCERTS	-	-	-	< 1.0	-
Trichloromethane	µg/kg	1	MCERTS	-	-	-	< 1.0	-
1,1,1-Trichloroethane	µg/kg	1	MCERTS	-	-	-	< 1.0	-
1,2-Dichloroethane	µg/kg	1	MCERTS	-	-	-	< 1.0	-
1,1-Dichloropropene	µg/kg	1	MCERTS	-	-	-	< 1.0	-
Trans-1,2-dichloroethene	µg/kg	1	NONE	-	-	-	< 1.0	-
Benzene	µg/kg	1	MCERTS	-	-	-	< 1.0	-
Tetrachloromethane	µg/kg	1	MCERTS	-	-	-	< 1.0	-
1,2-Dichloropropane	µg/kg	1	MCERTS	-	-	-	< 1.0	-
Trichloroethene	µg/kg	1	MCERTS	-	-	-	< 1.0	-
Dibromomethane	µg/kg	1	MCERTS	-	-	-	< 1.0	-
Bromodichloromethane	µg/kg	1	MCERTS	-	-	-	< 1.0	-
Cis-1,3-dichloropropene	µg/kg	1	ISO 17025	-	-	-	< 1.0	-
Trans-1,3-dichloropropene	µg/kg	1	ISO 17025	-	-	-	< 1.0	-
Toluene	µg/kg	1	MCERTS	-	-	-	< 1.0	-
1,1,2-Trichloroethane	µg/kg	1	MCERTS	-	-	-	< 1.0	-
1,3-Dichloropropane	µg/kg	1	ISO 17025	-	-	-	< 1.0	-
Dibromochloromethane	µg/kg	1	ISO 17025	-	-	-	< 1.0	-
Tetrachloroethene	µg/kg	1	NONE	-	-	-	< 1.0	-
1,2-Dibromoethane	µg/kg	1	ISO 17025	-	-	-	< 1.0	-
Chlorobenzene	µg/kg	1	MCERTS	-	-	-	< 1.0	-
1,1,1,2-Tetrachloroethane	µg/kg	1	MCERTS	-	-	-	< 1.0	-
Ethylbenzene	µg/kg	1	MCERTS	-	-	-	< 1.0	-
p & m-Xylene	µg/kg	1	MCERTS	-	-	-	< 1.0	-
Styrene	µg/kg	1	MCERTS	-	-	-	< 1.0	-
Tribromomethane	µg/kg	1	NONE	-	-	-	< 1.0	-
o-Xylene	µg/kg	1	MCERTS	-	-	-	< 1.0	-
1,1,2,2-Tetrachloroethane	µg/kg	1	MCERTS	-	-	-	< 1.0	-
Isopropylbenzene	µg/kg	1	MCERTS	-	-	-	< 1.0	-
Bromobenzene	µg/kg	1	MCERTS	-	-	-	< 1.0	-
n-Propylbenzene	µg/kg	1	ISO 17025	-	-	-	< 1.0	-
2-Chlorotoluene	µg/kg	1	MCERTS	-	-	-	< 1.0	-
4-Chlorotoluene	µg/kg	1	MCERTS	-	-	-	< 1.0	-
1,3,5-Trimethylbenzene	µg/kg	1	ISO 17025	-	-	-	< 1.0	-
tert-Butylbenzene	µg/kg	1	MCERTS	-	-	-	< 1.0	-
1,2,4-Trimethylbenzene	µg/kg	1	ISO 17025	-	-	-	< 1.0	-
sec-Butylbenzene	µg/kg	1	MCERTS	-	-	-	< 1.0	-
1,3-Dichlorobenzene	µg/kg	1	ISO 17025	-	-	-	< 1.0	-
p-Isopropyltoluene	µg/kg	1	ISO 17025	-	-	-	< 1.0	-
1,2-Dichlorobenzene	µg/kg	1	MCERTS	-	-	-	< 1.0	-
1,4-Dichlorobenzene	µg/kg	1	MCERTS	-	-	-	< 1.0	-
Butylbenzene	µg/kg	1	MCERTS	-	-	-	< 1.0	-
1,2-Dibromo-3-chloropropane	µg/kg	1	ISO 17025	-	-	-	< 1.0	-
1,2,4-Trichlorobenzene	µg/kg	1	MCERTS	-	-	-	< 1.0	-
Hexachlorobutadiene	µg/kg	1	MCERTS	-	-	-	< 1.0	-
1,2,3-Trichlorobenzene	µg/kg	1	ISO 17025	-	-	-	< 1.0	-



Analytical Report Number: 20-89782

Project / Site name: Wensley Road, Reading

Your Order No: PO-2535

Lab Sample Number				1457580	1457581	1457582	1457583	1457584
Sample Reference				WS02	WS03	WS03	WS04	WS04
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.50	1.00	0.40	0.90
Date Sampled				26/02/2020	26/02/2020	26/02/2020	26/02/2020	26/02/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)				Units	Limit of detection	Accreditation Status		
VOCs TICs								
VOCs TICs Compound Name					N/A	NONE	-	-
VOC % Match				%	N/A	NONE	-	-



Analytical Report Number: 20-89782

Project / Site name: Wensley Road, Reading

Your Order No: PO-2535

Lab Sample Number				1457580	1457581	1457582	1457583	1457584
Sample Reference				WS02	WS03	WS03	WS04	WS04
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.50	1.00	0.40	0.90
Date Sampled				26/02/2020	26/02/2020	26/02/2020	26/02/2020	26/02/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
SVOCs								
Aniline	mg/kg	0.1	NONE	-	-	-	< 0.1	-
Phenol	mg/kg	0.2	ISO 17025	-	-	-	< 0.2	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	-	< 0.1	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	-	< 0.2	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	< 0.2	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	-	< 0.1	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	< 0.2	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	-	< 0.1	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	-	< 0.3	-
Hexachloroethane	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	-	< 0.3	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	< 0.2	-
Isophorone	mg/kg	0.2	MCERTS	-	-	-	< 0.2	-
2-Nitrophenol	mg/kg	0.3	MCERTS	-	-	-	< 0.3	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	-	< 0.3	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	-	< 0.3	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	-	< 0.3	-
Naphthalene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	-	< 0.3	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-	< 0.1	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	-	< 0.1	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-	< 0.1	-
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	-	-	-	< 0.1	-
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	-	-	-	< 0.2	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	-	< 0.1	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	-	< 0.1	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	-	< 0.1	-
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	-	-	-	< 0.1	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	-	-	-	< 0.2	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	-	< 0.2	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	-	-	-	< 0.3	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	-	< 0.2	-
4-Nitroaniline	mg/kg	0.2	MCERTS	-	-	-	< 0.2	-
Fluorene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
Azobenzene	mg/kg	0.3	MCERTS	-	-	-	< 0.3	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	-	< 0.2	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	-	< 0.3	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
Anthracene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
Carbazole	mg/kg	0.3	MCERTS	-	-	-	< 0.3	-
Dibutyl phthalate	mg/kg	0.2	MCERTS	-	-	-	< 0.2	-
Anthraquinone	mg/kg	0.3	MCERTS	-	-	-	< 0.3	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
Pyrene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	-	-	-	< 0.3	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
Chrysene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-



Analytical Report Number: 20-89782

Project / Site name: Wensley Road, Reading

Your Order No: PO-2535

Lab Sample Number				1457580	1457581	1457582	1457583	1457584
Sample Reference				WS02	WS03	WS03	WS04	WS04
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.50	1.00	0.40	0.90
Date Sampled				26/02/2020	26/02/2020	26/02/2020	26/02/2020	26/02/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)				Units	Limit of detection	Accreditation Status		

SVOCs TICs

SVOCs TICs Compound Name		N/A	NONE	-	-	-	ND	-
SVOC % Match	%	N/A	NONE	-	-	-	0	-



Analytical Report Number: 20-89782

Project / Site name: Wensley Road, Reading

Your Order No: PO-2535

Lab Sample Number				1457585	1457586			
Sample Reference				WS05	WS06			
Sample Number				None Supplied	None Supplied			
Depth (m)				0.50	0.90			
Date Sampled				26/02/2020	26/02/2020			
Time Taken				None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1			
Moisture Content	%	N/A	NONE	12	7.2			
Total mass of sample received	kg	0.001	NONE	1.4	1.3			

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-			
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected			
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-			
Asbestos Quantification Total	%	0.001	ISO 17025	-	-			

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.2	7.8			
Total Cyanide	mg/kg	1	MCERTS	< 1	< 1			
Total Sulphate as SO ₄	mg/kg	50	MCERTS	-	-			
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	22	77			
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.011	0.039			
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	11.2	38.5			
Sulphide	mg/kg	1	MCERTS	< 1.0	4.4			
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	1.4	3.1			
Elemental Sulphur	mg/kg	5	MCERTS	< 5.0	72			
Total Sulphur	mg/kg	50	MCERTS	-	-			
Total Organic Carbon (TOC)	%	0.1	MCERTS	0.2	0.4			
Water Soluble Nitrate (2:1) as NO ₃	mg/kg	2	NONE	-	-			

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0			
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05			
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05			
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05			
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05			
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05			
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05			
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05			
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05			
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05			
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05			
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05			
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05			
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05			
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05			
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05			
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05			

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80			
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Analytical Report Number: 20-89782

Project / Site name: Wensley Road, Reading

Your Order No: PO-2535

Lab Sample Number				1457585	1457586			
Sample Reference				WS05	WS06			
Sample Number				None Supplied	None Supplied			
Depth (m)				0.50	0.90			
Date Sampled				26/02/2020	26/02/2020			
Time Taken				None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	7.9	6.0			
Barium (aqua regia extractable)	mg/kg	1	MCERTS	47	40			
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.56	0.47			
Boron (water soluble)	mg/kg	0.2	MCERTS	0.4	0.6			
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2			
Chromium (hexavalent)	mg/kg	4	MCERTS	< 4.0	< 4.0			
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	16	14			
Copper (aqua regia extractable)	mg/kg	1	MCERTS	15	11			
Lead (aqua regia extractable)	mg/kg	1	MCERTS	16	19			
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3			
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	15	12			
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0			
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	27	22			
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	41	45			
Magnesium (water soluble)	mg/kg	5	NONE	-	-			
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0			
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0			
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0			
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0			
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0			
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0			
Petroleum Hydrocarbons								
Petroleum Range Organics (C6 - C10)	mg/kg	0.1	MCERTS	-	-			
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001			
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001			
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001			
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0			
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0			
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0			
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	< 8.0			
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10			
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001			
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001			
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001			
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0			
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0			
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	< 10			
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	< 10			
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10			
TPH (C10 - C25)	mg/kg	10	MCERTS	-	-			



Analytical Report Number: 20-89782

Project / Site name: Wensley Road, Reading

Your Order No: PO-2535

Lab Sample Number				1457585	1457586			
Sample Reference				WS05	WS06			
Sample Number				None Supplied	None Supplied			
Depth (m)				0.50	0.90			
Date Sampled				26/02/2020	26/02/2020			
Time Taken				None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
VOCs								
Chloromethane	µg/kg	1	ISO 17025	-	< 1.0			
Chloroethane	µg/kg	1	NONE	-	< 1.0			
Bromomethane	µg/kg	1	ISO 17025	-	< 1.0			
Vinyl Chloride	µg/kg	1	NONE	-	< 1.0			
Trichlorofluoromethane	µg/kg	1	NONE	-	< 1.0			
1,1-Dichloroethene	µg/kg	1	NONE	-	< 1.0			
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	1	ISO 17025	-	< 1.0			
Cis-1,2-dichloroethene	µg/kg	1	MCERTS	-	< 1.0			
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	< 1.0			
1,1-Dichloroethane	µg/kg	1	MCERTS	-	< 1.0			
2,2-Dichloropropane	µg/kg	1	MCERTS	-	< 1.0			
Trichloromethane	µg/kg	1	MCERTS	-	< 1.0			
1,1,1-Trichloroethane	µg/kg	1	MCERTS	-	< 1.0			
1,2-Dichloroethane	µg/kg	1	MCERTS	-	< 1.0			
1,1-Dichloropropene	µg/kg	1	MCERTS	-	< 1.0			
Trans-1,2-dichloroethene	µg/kg	1	NONE	-	< 1.0			
Benzene	µg/kg	1	MCERTS	-	< 1.0			
Tetrachloromethane	µg/kg	1	MCERTS	-	< 1.0			
1,2-Dichloropropane	µg/kg	1	MCERTS	-	< 1.0			
Trichloroethene	µg/kg	1	MCERTS	-	< 1.0			
Dibromomethane	µg/kg	1	MCERTS	-	< 1.0			
Bromodichloromethane	µg/kg	1	MCERTS	-	< 1.0			
Cis-1,3-dichloropropene	µg/kg	1	ISO 17025	-	< 1.0			
Trans-1,3-dichloropropene	µg/kg	1	ISO 17025	-	< 1.0			
Toluene	µg/kg	1	MCERTS	-	< 1.0			
1,1,2-Trichloroethane	µg/kg	1	MCERTS	-	< 1.0			
1,3-Dichloropropane	µg/kg	1	ISO 17025	-	< 1.0			
Dibromochloromethane	µg/kg	1	ISO 17025	-	< 1.0			
Tetrachloroethene	µg/kg	1	NONE	-	< 1.0			
1,2-Dibromoethane	µg/kg	1	ISO 17025	-	< 1.0			
Chlorobenzene	µg/kg	1	MCERTS	-	< 1.0			
1,1,1,2-Tetrachloroethane	µg/kg	1	MCERTS	-	< 1.0			
Ethylbenzene	µg/kg	1	MCERTS	-	< 1.0			
p & m-Xylene	µg/kg	1	MCERTS	-	< 1.0			
Styrene	µg/kg	1	MCERTS	-	< 1.0			
Tribromomethane	µg/kg	1	NONE	-	< 1.0			
o-Xylene	µg/kg	1	MCERTS	-	< 1.0			
1,1,2,2-Tetrachloroethane	µg/kg	1	MCERTS	-	< 1.0			
Isopropylbenzene	µg/kg	1	MCERTS	-	< 1.0			
Bromobenzene	µg/kg	1	MCERTS	-	< 1.0			
n-Propylbenzene	µg/kg	1	ISO 17025	-	< 1.0			
2-Chlorotoluene	µg/kg	1	MCERTS	-	< 1.0			
4-Chlorotoluene	µg/kg	1	MCERTS	-	< 1.0			
1,3,5-Trimethylbenzene	µg/kg	1	ISO 17025	-	< 1.0			
tert-Butylbenzene	µg/kg	1	MCERTS	-	< 1.0			
1,2,4-Trimethylbenzene	µg/kg	1	ISO 17025	-	< 1.0			
sec-Butylbenzene	µg/kg	1	MCERTS	-	< 1.0			
1,3-Dichlorobenzene	µg/kg	1	ISO 17025	-	< 1.0			
p-Isopropyltoluene	µg/kg	1	ISO 17025	-	< 1.0			
1,2-Dichlorobenzene	µg/kg	1	MCERTS	-	< 1.0			
1,4-Dichlorobenzene	µg/kg	1	MCERTS	-	< 1.0			
Butylbenzene	µg/kg	1	MCERTS	-	< 1.0			
1,2-Dibromo-3-chloropropane	µg/kg	1	ISO 17025	-	< 1.0			
1,2,4-Trichlorobenzene	µg/kg	1	MCERTS	-	< 1.0			
Hexachlorobutadiene	µg/kg	1	MCERTS	-	< 1.0			
1,2,3-Trichlorobenzene	µg/kg	1	ISO 17025	-	< 1.0			



Analytical Report Number: 20-89782

Project / Site name: Wensley Road, Reading

Your Order No: PO-2535

Lab Sample Number				1457585	1457586			
Sample Reference				WS05	WS06			
Sample Number				None Supplied	None Supplied			
Depth (m)				0.50	0.90			
Date Sampled				26/02/2020	26/02/2020			
Time Taken				None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)				Units	Limit of detection	Accreditation Status		
VOCs TICs								
VOCs TICs Compound Name					N/A	NONE	-	ND
VOC % Match				%	N/A	NONE	-	0



Analytical Report Number: 20-89782

Project / Site name: Wensley Road, Reading

Your Order No: PO-2535

Lab Sample Number				1457585	1457586			
Sample Reference				WS05	WS06			
Sample Number				None Supplied	None Supplied			
Depth (m)				0.50	0.90			
Date Sampled				26/02/2020	26/02/2020			
Time Taken				None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
SVOCs								
Aniline	mg/kg	0.1	NONE	-	< 0.1			
Phenol	mg/kg	0.2	ISO 17025	-	< 0.2			
2-Chlorophenol	mg/kg	0.1	MCERTS	-	< 0.1			
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	< 0.2			
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	-	< 0.2			
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	< 0.1			
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	< 0.2			
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	< 0.1			
2-Methylphenol	mg/kg	0.3	MCERTS	-	< 0.3			
Hexachloroethane	mg/kg	0.05	MCERTS	-	< 0.05			
Nitrobenzene	mg/kg	0.3	MCERTS	-	< 0.3			
4-Methylphenol	mg/kg	0.2	NONE	-	< 0.2			
Isophorone	mg/kg	0.2	MCERTS	-	< 0.2			
2-Nitrophenol	mg/kg	0.3	MCERTS	-	< 0.3			
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	< 0.3			
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	< 0.3			
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	< 0.3			
Naphthalene	mg/kg	0.05	MCERTS	-	< 0.05			
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	< 0.3			
4-Chloroaniline	mg/kg	0.1	NONE	-	< 0.1			
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	< 0.1			
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	< 0.1			
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	-	< 0.1			
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	-	< 0.2			
2-Methylnaphthalene	mg/kg	0.1	NONE	-	< 0.1			
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	< 0.1			
Dimethylphthalate	mg/kg	0.1	MCERTS	-	< 0.1			
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	-	< 0.1			
Acenaphthylene	mg/kg	0.05	MCERTS	-	< 0.05			
Acenaphthene	mg/kg	0.05	MCERTS	-	< 0.05			
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	-	< 0.2			
Dibenzofuran	mg/kg	0.2	MCERTS	-	< 0.2			
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	-	< 0.3			
Diethyl phthalate	mg/kg	0.2	MCERTS	-	< 0.2			
4-Nitroaniline	mg/kg	0.2	MCERTS	-	< 0.2			
Fluorene	mg/kg	0.05	MCERTS	-	< 0.05			
Azobenzene	mg/kg	0.3	MCERTS	-	< 0.3			
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	< 0.2			
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	< 0.3			
Phenanthrene	mg/kg	0.05	MCERTS	-	< 0.05			
Anthracene	mg/kg	0.05	MCERTS	-	< 0.05			
Carbazole	mg/kg	0.3	MCERTS	-	< 0.3			
Dibutyl phthalate	mg/kg	0.2	MCERTS	-	< 0.2			
Anthraquinone	mg/kg	0.3	MCERTS	-	< 0.3			
Fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05			
Pyrene	mg/kg	0.05	MCERTS	-	< 0.05			
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	-	< 0.3			
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	< 0.05			
Chrysene	mg/kg	0.05	MCERTS	-	< 0.05			
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05			
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05			
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	< 0.05			
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	< 0.05			
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	< 0.05			
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	< 0.05			



Analytical Report Number: 20-89782

Project / Site name: Wensley Road, Reading

Your Order No: PO-2535

Lab Sample Number				1457585	1457586			
Sample Reference				WS05	WS06			
Sample Number				None Supplied	None Supplied			
Depth (m)				0.50	0.90			
Date Sampled				26/02/2020	26/02/2020			
Time Taken				None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)				Units	Limit of detection	Accreditation Status		

SVOCs TICs

SVOCs TICs Compound Name		N/A	NONE	-	ND			
SVOC % Match	%	N/A	NONE	-	0			



Analytical Report Number: 20-89782
Project / Site name: Wensley Road, Reading
Your Order No: PO-2535

Certificate of Analysis - Asbestos Quantification

Methods:

Qualitative Analysis

The samples were analysed qualitatively for asbestos by polarising light and dispersion staining as described by the Health and Safety Executive in HSG 248.

Quantitative Analysis

The analysis was carried out using our documented in-house method A006-PL based on HSE Contract Research Report No: 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies et al, 1996) and HSG 248. Our method includes initial examination of the entire representative sample, then fractionation and detailed analysis of each fraction, with quantification by hand picking and weighing.

The limit of detection (reporting limit) of this method is 0.001 %.

The method has been validated using samples of at least 100 g, results for samples smaller than this should be interpreted with caution.

Both Qualitative and Quantitative Analyses are UKAS accredited.

Sample Number	Sample ID	Sample Depth (m)	Sample Weight (g)	Asbestos Containing Material Types Detected (ACM)	PLM Results	Asbestos by hand picking/weighing (%)	Total % Asbestos in Sample
1457578	WS01	0.50	150	Loose Fibres	Chrysotile & Amosite	< 0.001	< 0.001

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.



Analytical Report Number : 20-89782

Project / Site name: Wensley Road, Reading

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
1457570	TP01	None Supplied	0.30	Brown loam and clay with gravel and vegetation.
1457571	TP01	None Supplied	0.90	Brown loam and clay with gravel and vegetation.
1457572	TP02	None Supplied	0.20	Brown loam and clay with gravel and vegetation.
1457573	TP03	None Supplied	0.20	Brown loam and clay with gravel and vegetation.
1457574	TP05	None Supplied	0.40	Brown loam and clay with gravel and vegetation.
1457575	TP06	None Supplied	0.70	Brown loam and clay with gravel and vegetation.
1457576	TP06	None Supplied	1.00	Brown loam and clay with gravel and vegetation.
1457577	TP08	None Supplied	0.20	Brown loam and clay with gravel and vegetation.
1457578	WS01	None Supplied	0.50	Brown clay and loam with gravel and brick.
1457579	WS01	None Supplied	1.40	Brown clay and loam with gravel.
1457580	WS02	None Supplied	0.30	Brown clay and loam with gravel and vegetation.
1457581	WS03	None Supplied	0.50	Brown clay and loam with gravel and vegetation.
1457582	WS03	None Supplied	1.00	Brown clay and loam with gravel and vegetation.
1457583	WS04	None Supplied	0.40	Brown loam and sand with gravel and brick.
1457584	WS04	None Supplied	0.90	Brown loam and clay with gravel.
1457585	WS05	None Supplied	0.50	Brown loam and clay with gravel.
1457586	WS06	None Supplied	0.90	Brown clay and loam with gravel.

Analytical Report Number : 20-89782

Project / Site name: Wensley Road, Reading

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Water (PrW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Asbestos Quantification - Gravimetric	Asbestos quantification by gravimetric method - in house method based on references.	HSE Report No: 83/1996, HSG 248, HSG 264 & SCA Blue Book (draft).	A006-PL	D	ISO 17025
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES.	In-house method based on Second Site Properties version 3	L038-PL	D	MCERTS
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
Chloride, water soluble, in soil	Determination of Chloride colorimetrically by discrete analyser.	In house method.	L082-PL	D	MCERTS
D.O. for Gravimetric Quant if Screen/ID positive	Dependent option for Gravimetric Quant if Screen/ID positive scheduled.	In house asbestos methods A001 & A006.	A006-PL	D	NONE
DRO (Soil)	Determination of extractable hydrocarbons in soil by GC-MS/FID.	In-house method with silica gel split/clean up.	L076-PL	D	MCERTS
Elemental sulphur in soil	Determination of elemental sulphur in soil by extraction in acetonitrile followed by HPLC.	In-house method based on Secondsite Property Holdings Guidance for Assessing and Managing Potential	L021-PL	D	MCERTS
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazine followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Magnesium, water soluble, in soil	Determination of water soluble magnesium by extraction with water followed by ICP-OES.	In-house method based on TRL 447	L038-PL	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	MCERTS
Nitrate, water soluble, in soil	Determination of nitrate by reaction with sodium salicylate and colorimetry.	In-house method based on Examination of Water and Wastewater & Polish Standard Method PN-82/C-04579.08, 2:1 extraction.	L078-PL	D	NONE
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
PRO (Soil)	Determination of hydrocarbons C6-C10 by headspace GC-MS.	In-house method based on USEPA8260	L088-PL	W	MCERTS
Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds in soil by extraction in dichloromethane and hexane followed by GC-MS.	In-house method based on USEPA 8270	L064-PL	D	MCERTS

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The results included within the report are representative of the samples submitted for analysis.

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Analytical Report Number : 20-89782

Project / Site name: Wensley Road, Reading

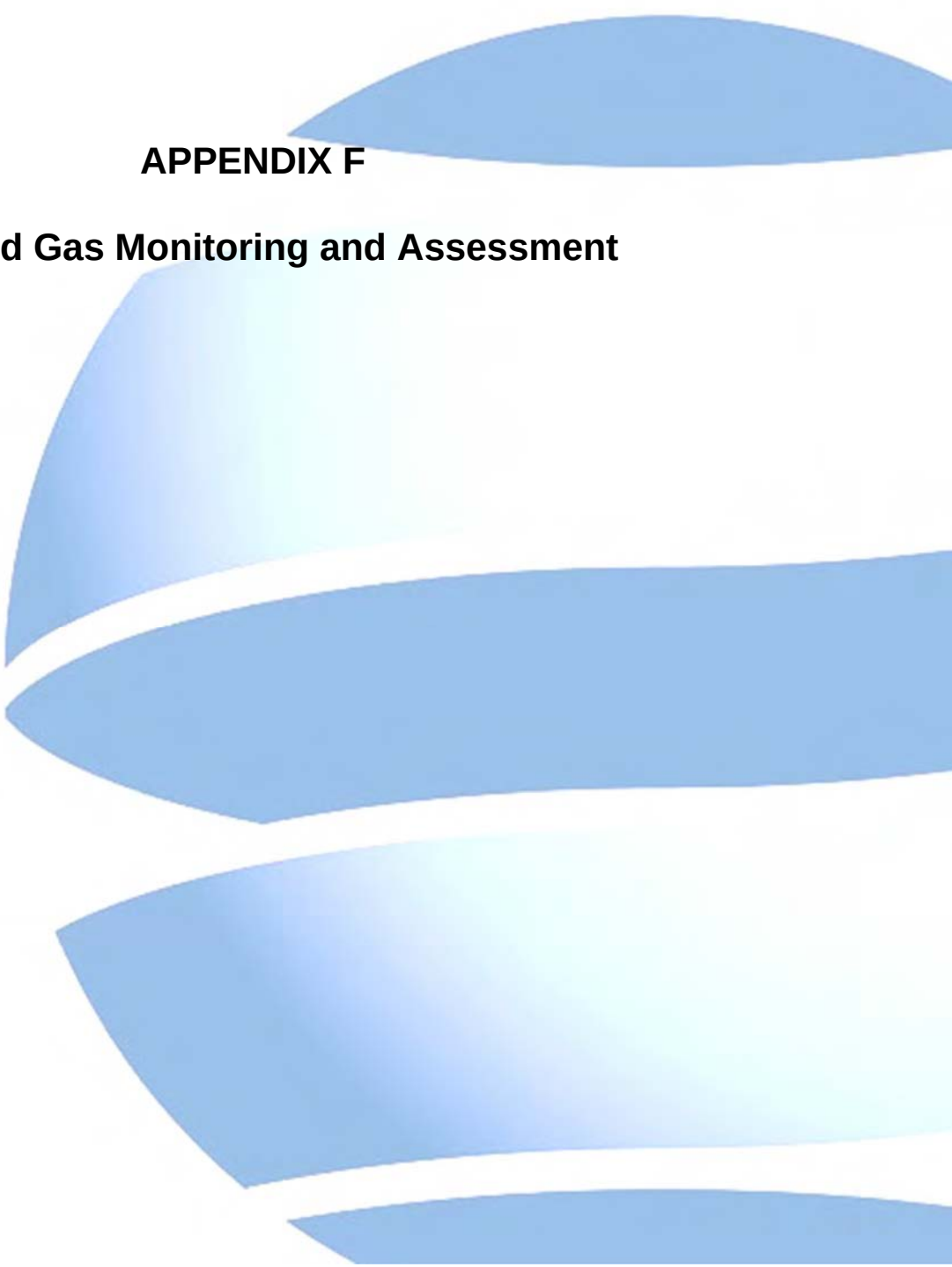
Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Water (PrW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
Sulphide in soil	Determination of sulphide in soil by acidification and heating to liberate hydrogen sulphide, trapped in an alkaline solution then assayed by ion selective electrode.	In-house method	L010-PL	D	MCERTS
Tentatively identified compounds (SVOC) in soil	Determination of semi-volatile organic compounds total ion count in soil by extraction with dichloromethane and hexane followed by GC-MS followed by a full library scan.	In-house method based on USEPA 8270	L064-PL	D	NONE
Tentatively identified compounds (VOC) in soil	Determination of volatile organic compounds total ion count in soil by headspace GC-MS followed by a full library scan.	In-house method based on USEPA8260	L073-PL	W	NONE
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D	MCERTS
Total sulphate (as SO ₄ in soil)	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES.	In house method.	L038-PL	D	MCERTS
Total Sulphur in soil	Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES.	In house method.	L038-PL	D	MCERTS
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L088/76-PL	W	MCERTS
Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.

For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.



APPENDIX F

Ground Gas Monitoring and Assessment

Project: Wensley Road, Reading
Ref: GE18760
Client: Reading Borough Council c/o WFBA



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS06	04/03/20	0	0.0	0.0	20.0	0.0	-	1000	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/03/20	10	0.0	3.0	17.6	0.0	-	1000	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/03/20	20	0.0	4.0	16.5	0.0	-	1000	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/03/20	30	0.0	4.1	16.0	0.0	-	1000	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/03/20	60	0.0	4.2	15.8	0.0	-	1000	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/03/20	90	0.0	4.2	15.8	0.0	-	1000	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/03/20	120	0.0	4.2	15.8	0.0	-	1000	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/03/20	180	0.0	4.2	15.8	0.0	-	1000	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/03/20	0	0.0	0.0	20.0	0.0	-	1000	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/03/20	10	0.0	1.7	18.2	0.0	-	1000	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/03/20	20	0.0	1.7	18.2	0.0	-	1000	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/03/20	30	0.0	1.7	18.2	0.0	-	1000	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/03/20	60	0.0	1.7	18.2	0.0	-	1000	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/03/20	90	0.0	1.7	18.2	0.0	-	1000	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/03/20	120	0.0	1.7	18.2	0.0	-	1000	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/03/20	180	0.0	1.7	18.2	0.0	-	1000	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/03/20	0	0.0	0.0	20.0	0.0	-	999	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/03/20	10	0.0	0.3	19.7	0.0	-	999	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/03/20	20	0.0	0.4	19.7	0.0	-	999	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/03/20	30	0.0	0.4	19.7	0.0	-	999	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/03/20	60	0.0	0.4	19.6	0.0	-	999	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/03/20	90	0.0	0.4	19.6	0.0	-	999	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/03/20	120	0.0	0.4	19.6	0.0	-	999	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/03/20	180	0.0	0.4	19.6	0.0	-	999	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/03/20	0	0.0	0.0	20.0	0.0	-	999	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/03/20	10	0.0	1.0	19.0	0.0	-	999	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/03/20	20	0.0	1.0	18.9	0.0	-	999	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/03/20	30	0.0	1.0	18.8	0.0	-	999	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/03/20	60	0.0	1.0	18.8	0.0	-	999	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/03/20	90	0.0	1.0	18.8	0.0	-	999	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/03/20	120	0.0	1.0	18.8	0.0	-	999	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/03/20	180	0.0	1.0	18.8	0.0	-	999	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	03/06/20	0	0.0	0.0	20.9	0.0	-	1002	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	03/06/20	10	0.0	1.3	19.0	0.0	-	1002	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	03/06/20	20	0.0	2.0	17.7	0.0	-	1002	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	03/06/20	30	0.0	2.0	17.7	0.0	-	1002	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	03/06/20	60	0.0	2.0	17.5	0.0	-	1002	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	03/06/20	90	0.0	2.0	17.5	0.0	-	1002	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	03/06/20	120	0.0	2.0	17.5	0.0	-	1002	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	03/06/20	180	0.0	2.0	17.5	0.0	-	1002	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	03/06/20	0								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	03/06/20	10				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	03/06/20	20				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	03/06/20	30				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	03/06/20	60				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Wensley Road, Reading
Ref: GE18760
Client: Reading Borough Council c/o WFBA



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS05	03/06/20	90				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	03/06/20	120				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	03/06/20	180				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	03/06/20	0				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	03/06/20	10				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	03/06/20	20				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	03/06/20	30				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	03/06/20	60				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	03/06/20	90				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	03/06/20	120				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	03/06/20	180				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	03/06/20	0	0.0	0.0	20.9	0.0	-	1002	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	03/06/20	10	0.0	5.1	15.2	0.0	-	1002	Dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS06	03/06/20	20	0.0	5.3	15.3	0.0	-	1002	Dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS06	03/06/20	30	0.0	5.3	15.5	0.0	-	1002	Dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS06	03/06/20	60	0.0	5.4	14.9	0.0	-	1002	Dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS06	03/06/20	90	0.0	5.4	15.0	0.0	-	1002	Dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS06	03/06/20	120	0.0	5.4	15.1	0.0	-	1002	Dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS06	03/06/20	180	0.0	5.4	15.0	0.0	-	1002	Dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS01	06/07/20	0	0.0	0.0	20.9	0.0	0.0	1015	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	06/07/20	10	0.0	2.4	18.1	0.0	0.0	1002	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	06/07/20	20	0.0	2.4	17.9	0.0	0.0	1015	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	06/07/20	30	0.0	2.4	17.9	0.0	0.0	1015	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	06/07/20	60	0.0	2.4	17.6	0.0	0.0	1015	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	06/07/20	90	0.0	2.4	17.6	0.0	0.0	1015	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	06/07/20	120	0.0	2.4	17.6	0.0	0.0	1015	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	06/07/20	180	0.0	2.4	17.6	0.0	0.0	1015	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	06/07/20	0				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	06/07/20	10				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	06/07/20	20				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	06/07/20	30				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	06/07/20	60				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	06/07/20	90				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	06/07/20	120				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	06/07/20	180				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	06/07/20	0				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	06/07/20	10				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	06/07/20	20				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	06/07/20	30				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	06/07/20	60				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	06/07/20	90				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	06/07/20	120				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	06/07/20	180				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	06/07/20	0	0.0	0.0	20.9	0.0	0.0	1015	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	06/07/20	10	0.0	4.5	18.0	0.0	0.0	1015	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Wensley Road, Reading
Ref: GE18760
Client: Reading Borough Council c/o WFBA



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS06	06/07/20	20	0.0	5.8	14.6	0.0	0.0	1015	Dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS06	06/07/20	30	0.0	5.8	14.5	0.0	0.0	1015	Dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS06	06/07/20	60	0.0	6.0	14.4	0.0	0.0	1015	Dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS06	06/07/20	90	0.0	6.0	14.4	0.0	0.0	1015	Dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS06	06/07/20	120	0.0	6.0	14.4	0.0	0.0	1015	Dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS06	06/07/20	180	0.0	6.0	14.4	0.0	0.0	1015	Dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS01	05/08/20	0	0.0	0.0	20.7	0.0	0.7	1006	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	05/08/20	10	0.0	1.7	19.2	0.0	0.7	1006	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	05/08/20	20	0.0	2.1	17.8	0.0	0.7	1006	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	05/08/20	30	0.0	2.2	17.6	0.0	0.7	1006	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	05/08/20	60	0.0	2.2	17.4	0.0	0.7	1006	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	05/08/20	90	0.0	2.2	17.3	0.0	0.7	1006	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	05/08/20	120	0.0	2.2	17.3	0.0	0.7	1006	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	05/08/20	180	0.0	2.2	17.3	0.0	0.7	1006	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	05/08/20	0	0.0	0.0	20.5	0.0	0.2	1006	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	05/08/20	10	0.0	0.9	20.4	0.0	0.2	1006	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	05/08/20	20	0.0	1.3	20.1	0.0	0.2	1006	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	05/08/20	30	0.0	1.3	19.9	0.0	0.2	1006	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	05/08/20	60	0.0	1.3	19.8	0.0	0.2	1006	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	05/08/20	90	0.0	1.3	19.8	0.0	0.2	1006	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	05/08/20	120	0.0	1.3	19.8	0.0	0.2	1006	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	05/08/20	180	0.0	1.3	19.8	0.0	0.2	1006	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	05/08/20	0	0.0	0.0	20.7	0.0	0.7	1005	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	05/08/20	10	0.0	0.9	20.7	0.0	0.7	1005	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	05/08/20	20	0.0	1.4	20.0	0.0	0.7	1005	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	05/08/20	30	0.0	1.5	19.8	0.0	0.7	1005	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	05/08/20	60	0.0	1.7	19.6	0.0	0.7	1005	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	05/08/20	90	0.0	1.7	19.5	0.0	0.7	1005	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	05/08/20	120	0.0	1.7	19.5	0.0	0.7	1005	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	05/08/20	180	0.0	1.7	19.5	0.0	0.7	1005	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	05/08/20	0	0.0	0.0	20.8	0.0	1.0	1006	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	05/08/20	10	0.0	1.7	19.6	0.0	1.0	1006	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	05/08/20	20	0.0	2.4	18.4	0.0	1.0	1006	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	05/08/20	30	0.0	2.8	17.9	0.0	1.0	1006	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	05/08/20	60	0.0	3.7	16.9	0.0	1.0	1006	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	05/08/20	90	0.0	4.0	16.5	0.0	1.0	1006	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	05/08/20	120	0.0	4.3	16.1	0.0	1.0	1006	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	05/08/20	180	0.0	4.8	15.6	0.0	1.0	1006	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/09/20	0	0.0	0.0	20.9	0.0	0.0	1008	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/09/20	10	0.0	2.3	17.7	0.0	0.0	1008	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/09/20	20	0.0	2.3	17.7	0.0	0.0	1008	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/09/20	30	0.0	2.3	17.7	0.0	0.0	1008	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/09/20	60	0.0	2.3	17.7	0.0	0.0	1008	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/09/20	90	0.0	2.3	17.7	0.0	0.0	1008	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/09/20	120	0.0	2.3	17.7	0.0	0.0	1008	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Wensley Road, Reading
Ref: GE18760
Client: Reading Borough Council c/o WFBA



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS01	04/09/20	180	0.0	2.3	17.7	0.0	0.0	1008	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/09/20	0	0.0	0.0	20.9	0.0	0.0	1008	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/09/20	10	0.0	2.1	18.3	0.0	0.0	1008	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/09/20	20	0.0	2.1	18.3	0.0	0.0	1008	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/09/20	30	0.0	2.1	18.3	0.0	0.0	1008	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/09/20	60	0.0	2.1	18.3	0.0	0.0	1008	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/09/20	90	0.0	2.1	18.3	0.0	0.0	1008	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/09/20	120	0.0	2.1	18.3	0.0	0.0	1008	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/09/20	180	0.0	2.1	18.3	0.0	0.0	1008	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/09/20	0								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/09/20	10								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/09/20	20								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/09/20	30								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/09/20	60								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/09/20	90								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/09/20	120								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/09/20	180								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/09/20	0	0.0	0.0	20.9	0.0	0.0	1008	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/09/20	10	0.0	6.5	14.1	0.0	0.0	1008	Dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS06	04/09/20	20	0.0	6.5	14.0	0.0	0.0	1008	Dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS06	04/09/20	30	0.0	6.6	13.9	0.0	0.0	1008	Dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS06	04/09/20	60	0.0	6.7	13.9	0.0	0.0	1008	Dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS06	04/09/20	90	0.0	6.7	13.9	0.0	0.0	1008	Dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS06	04/09/20	120	0.0	6.7	13.9	0.0	0.0	1008	Dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS06	04/09/20	180	0.0	6.7	13.9	0.0	0.0	1008	Dry	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS01	05/10/20	0	0.0	0.0	20.1	0.0	0.1	990	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	05/10/20	10	0.0	1.7	18.7	0.0	0.1	990	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	05/10/20	20	0.0	2.2	17.1	0.0	0.1	990	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	05/10/20	30	0.0	2.3	16.9	0.0	0.1	990	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	05/10/20	60	0.0	2.3	16.7	0.0	0.1	990	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	05/10/20	90	0.0	2.3	16.7	0.0	0.1	990	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	05/10/20	120	0.0	2.3	16.7	0.0	0.1	990	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	05/10/20	180	0.0	2.3	16.7	0.0	0.1	990	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	05/10/20	0	0.0	0.0	20.2	0.0	0.1	990	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	05/10/20	10	0.0	0.8	20.2	0.0	0.1	990	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	05/10/20	20	0.0	0.8	19.7	0.0	0.1	990	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	05/10/20	30	0.0	0.9	19.6	0.0	0.1	990	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	05/10/20	60	0.0	0.9	19.6	0.0	0.1	990	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	05/10/20	90	0.0	0.9	19.6	0.0	0.1	990	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	05/10/20	120	0.0	0.9	19.5	0.0	0.1	990	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	05/10/20	180	0.0	0.9	19.5	0.0	0.1	990	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	05/10/20	0	0.0	0.0	20.4	0.0	0.1	990	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	05/10/20	10	0.0	1.3	19.8	0.0	0.1	990	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	05/10/20	20	0.0	1.6	19.1	0.0	0.1	990	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	05/10/20	30	0.0	1.7	18.8	0.0	0.1	990	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Wensley Road, Reading
 Ref: GE18760
 Client: Reading Borough Council c/o WFBA



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS05	05/10/20	60	0.0	1.7	18.8	0.0	0.1	990	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	05/10/20	90	0.0	1.7	18.8	0.0	0.1	990	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	05/10/20	120	0.0	1.7	18.7	0.0	0.1	990	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	05/10/20	180	0.0	1.7	18.7	0.0	0.1	990	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	05/10/20	0	0.0	0.0	20.2	0.0	0.5	990	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	05/10/20	10	0.0	0.9	20.0	0.0	0.5	990	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	05/10/20	20	0.0	1.3	19.0	0.0	0.5	990	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	05/10/20	30	0.0	1.5	18.6	0.0	0.5	990	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	05/10/20	60	0.0	1.9	18.0	0.0	0.5	990	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	05/10/20	90	0.0	2.2	17.6	0.0	0.5	990	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	05/10/20	120	0.0	2.5	17.1	0.0	0.5	990	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	05/10/20	180	0.0	3.6	16.3	0.0	0.5	990	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/11/20	0	0.0	0.0	20.0	0.0	0.2	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/11/20	10	0.0	0.7	20.0	0.0	0.2	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/11/20	20	0.0	0.8	19.9	0.0	0.2	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/11/20	30	0.0	0.9	19.6	0.0	0.2	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/11/20	60	0.0	0.9	19.6	0.0	0.2	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/11/20	90	0.0	0.9	19.6	0.0	0.2	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/11/20	120	0.0	0.9	19.4	0.0	0.2	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/11/20	180	0.0	0.9	19.4	0.0	0.2	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/11/20	0	0.0	0.0	20.1	0.0	0.2	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/11/20	10	0.0	0.9	20.1	0.0	0.2	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/11/20	20	0.0	1.0	19.9	0.0	0.2	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/11/20	30	0.0	1.0	19.9	0.0	0.2	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/11/20	60	0.0	1.0	19.9	0.0	0.2	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/11/20	90	0.0	1.0	19.9	0.0	0.2	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/11/20	120	0.0	1.0	19.9	0.0	0.2	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/11/20	180	0.0	1.0	19.9	0.0	0.2	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/11/20	0	0.0	0.0	20.1	0.0	0.3	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/11/20	10	0.0	1.5	20.1	0.0	0.3	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/11/20	20	0.0	1.5	19.9	0.0	0.3	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/11/20	30	0.0	1.5	19.7	0.0	0.3	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/11/20	60	0.0	1.5	19.1	0.0	0.3	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/11/20	90	0.0	1.5	19.1	0.0	0.3	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/11/20	120	0.0	1.5	19.1	0.0	0.3	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/11/20	180	0.0	1.5	19.1	0.0	0.3	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/11/20	0	0.0	0.0	20.0	0.0	0.5	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/11/20	10	0.0	1.0	20.0	0.0	0.5	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/11/20	20	0.0	1.1	20.1	0.0	0.5	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/11/20	30	0.0	1.3	19.5	0.0	0.5	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/11/20	60	0.0	1.7	18.9	0.0	0.5	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/11/20	90	0.0	1.9	18.0	0.0	0.5	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/11/20	120	0.0	2.2	17.5	0.0	0.5	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/11/20	180	0.0	2.9	17.1	0.0	0.5	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/12/20	0	0.0	0.0	19.7	0.0	-	972	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Wensley Road, Reading
Ref: GE18760
Client: Reading Borough Council c/o WFBA



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS01	04/12/20	10	0.0	1.0	19.7	0.0	-	972	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/12/20	20	0.0	1.3	19.5	0.0	-	972	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/12/20	30	0.0	1.3	19.5	0.0	-	972	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/12/20	60	0.0	1.3	19.5	0.0	-	972	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/12/20	90	0.0	1.3	19.5	0.0	-	972	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/12/20	120	0.0	1.3	19.5	0.0	-	972	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/12/20	180	0.0	1.3	19.5	0.0	-	972	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/12/20	0	0.0	0.0	20.0	0.0	-	972	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/12/20	10	0.0	1.2	20.0	0.0	-	972	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/12/20	20	0.0	1.2	20.0	0.0	-	972	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/12/20	30	0.0	1.2	20.0	0.0	-	972	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/12/20	60	0.0	1.2	20.1	0.0	-	972	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/12/20	90	0.0	1.2	20.1	0.0	-	972	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/12/20	120	0.0	1.2	20.1	0.0	-	972	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/12/20	180	0.0	1.2	20.1	0.0	-	972	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/12/20	0	0.0	0.0	18.9	0.0	-	972	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/12/20	10	0.0	1.7	18.9	0.0	-	972	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/12/20	20	0.0	1.7	18.9	0.0	-	972	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/12/20	30	0.0	1.7	18.9	0.0	-	972	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/12/20	60	0.0	1.7	18.9	0.0	-	972	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/12/20	90	0.0	1.7	18.9	0.0	-	972	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/12/20	120	0.0	1.7	18.9	0.0	-	972	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/12/20	180	0.0	1.7	18.9	0.0	-	972	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/12/20	0	0.0	0.0	20.3	0.0	-	972	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/12/20	10	0.0	0.9	20.3	0.0	-	972	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/12/20	20	0.0	0.9	20.1	0.0	-	972	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/12/20	30	0.0	1.4	18.6	0.0	-	972	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/12/20	60	0.0	1.7	17.9	0.0	-	972	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/12/20	90	0.0	2.1	17.5	0.0	-	972	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/12/20	120	0.0	2.6	17.1	0.0	-	972	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/12/20	180	0.0	3.0	16.8	0.0	-	972	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/01/21	0	0.0	0.1	20.2	0.0	0.1	1010	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/01/21	10	0.0	0.7	20.1	0.0	0.1	1010	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/01/21	20	0.0	1.5	18.0	0.0	0.1	1010	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/01/21	30	0.0	1.7	17.3	0.0	0.1	1010	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/01/21	60	0.0	1.7	16.8	0.0	0.1	1010	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/01/21	90	0.0	1.7	16.8	0.0	0.1	1010	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/01/21	120	0.0	1.8	16.8	0.0	0.1	1010	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/01/21	180	0.0	1.8	16.8	0.0	0.1	1010	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/01/21	0	0.0	0.1	20.1	0.0	0.2	1010	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/01/21	10	0.0	1.4	19.8	0.0	0.2	1010	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/01/21	20	0.0	2.3	18.5	0.0	0.2	1010	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/01/21	30	0.0	2.5	17.9	0.0	0.2	1010	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/01/21	60	0.0	2.7	17.8	0.0	0.2	1010	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/01/21	90	0.0	2.6	17.8	0.0	0.2	1010	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Wensley Road, Reading
 Ref: GE18760
 Client: Reading Borough Council c/o WFBA

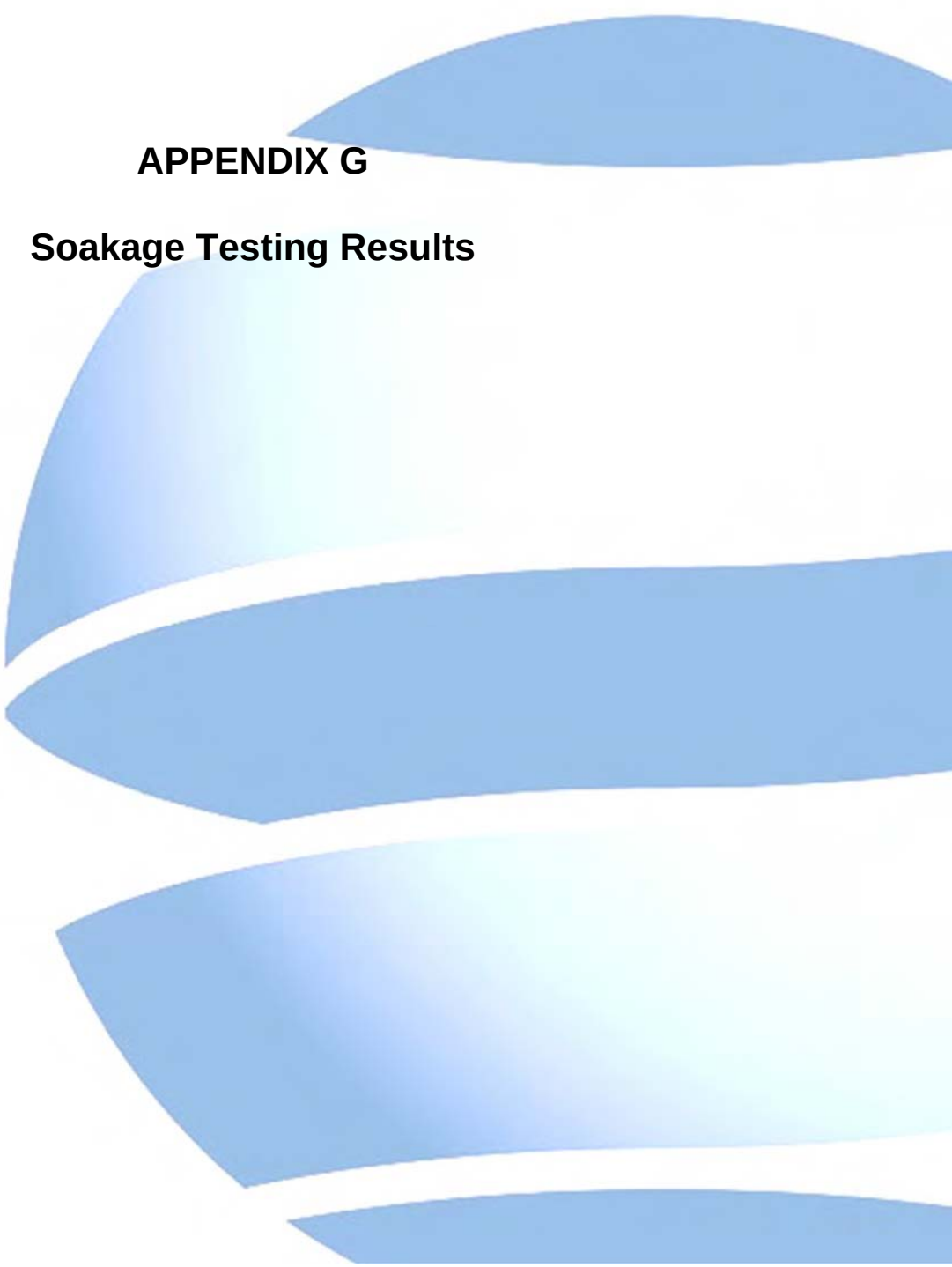


Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS02	04/01/21	120	0.0	2.5	17.8	0.0	0.2	1010	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/01/21	180	0.0	2.6	17.8	0.0	0.2	1010	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/01/21	0	0.0	0.1	20.1	0.0	0.1	1011	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/01/21	10	0.0	1.2	19.9	0.0	0.1	1011	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/01/21	20	0.0	1.9	18.7	0.0	0.1	1011	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/01/21	30	0.0	2.0	18.4	0.0	0.1	1011	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/01/21	60	0.0	2.0	18.3	0.0	0.1	1011	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/01/21	90	0.0	2.0	18.2	0.0	0.1	1011	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/01/21	120	0.0	2.0	18.2	0.0	0.1	1011	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/01/21	180	0.0	2.0	18.2	0.0	0.1	1011	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/01/21	0	0.0	0.0	20.3	0.0	0.5	1012	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/01/21	10	0.0	0.4	20.3	0.0	0.5	1012	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/01/21	20	0.0	0.9	19.9	0.0	0.5	1012	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/01/21	30	0.0	1.2	19.3	0.0	0.5	1012	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/01/21	60	0.0	1.4	19.0	0.0	0.5	1012	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/01/21	90	0.0	1.4	19.0	0.0	0.5	1012	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/01/21	120	0.0	1.5	18.9	0.0	0.5	1012	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/01/21	180	0.0	1.7	18.8	0.0	0.5	1012	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/02/21	0	0.0	0.0	18.2	0.0		1003	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/02/21	10	0.0	1.6	18.2	0.0		1003	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/02/21	20	0.0	1.6	18.2	0.0		1003	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/02/21	30	0.0	1.6	18.2	0.0		1003	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/02/21	60	0.0	1.6	18.2	0.0		1003	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/02/21	90	0.0	1.9	16.9	0.0		1003	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/02/21	120	0.0	1.9	16.9	0.0		1003	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/02/21	180	0.0	1.9	16.9	0.0		1003	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/02/21	0	0.0	0.0	18.6	0.0		1003	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/02/21	10	0.0	2.1	18.6	0.0		1003	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/02/21	20	0.0	2.1	18.6	0.0		1003	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/02/21	30	0.0	2.1	18.6	0.0		1003	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/02/21	60	0.0	2.1	18.6	0.0		1003	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/02/21	90	0.0	2.1	18.6	0.0		1003	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/02/21	120	0.0	2.1	18.6	0.0		1003	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	04/02/21	180	0.0	2.1	18.6	0.0		1003	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/02/21	0	0.0	0.0	19.6	0.0		1003	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/02/21	10	0.0	1.8	19.6	0.0		1003	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/02/21	20	0.0	1.8	19.6	0.0		1003	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/02/21	30	0.0	1.8	19.6	0.0		1003	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/02/21	60	0.0	1.8	19.6	0.0		1003	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/02/21	90	0.0	1.8	19.6	0.0		1003	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/02/21	120	0.0	1.8	19.6	0.0		1003	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	04/02/21	180	0.0	1.8	19.6	0.0		1003	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/02/21	0	0.0	0.0	18.5	0.0		1003	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/02/21	10	0.0	1.6	18.5	0.0		1003	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/02/21	20		1.6	18.5	0.0		1003	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Wensley Road, Reading
Ref: GE18760
Client: Reading Borough Council c/o WFBA

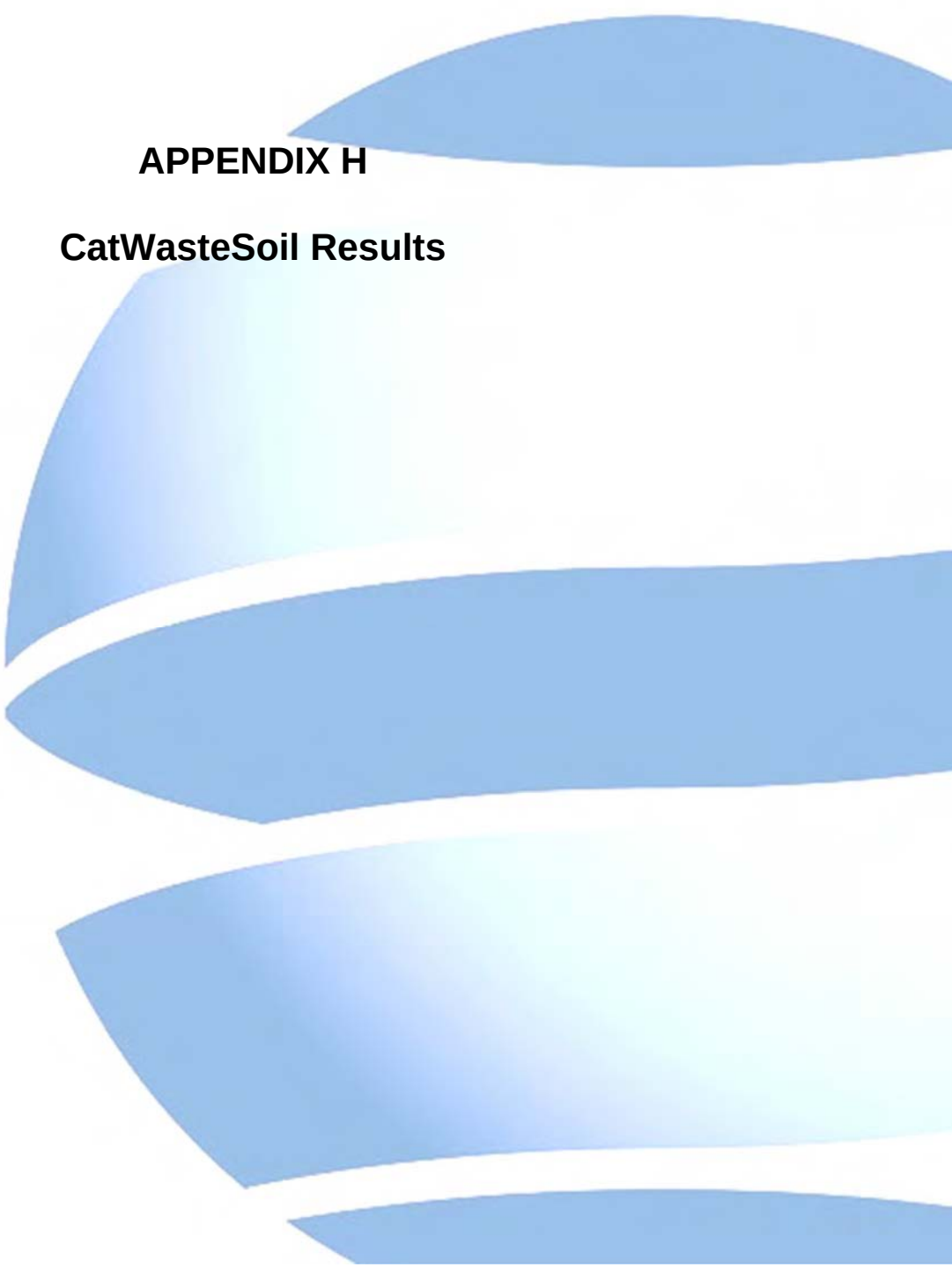


Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS06	04/02/21	30	0.0	1.6	18.5	0.0		1003	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/02/21	60	0.0	1.6	18.5	0.0		1003	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/02/21	90	0.0	1.6	18.5	0.0		1003	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/02/21	120	0.0	1.7	18.5	0.0		1003	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	04/02/21	180	0.0	1.6	18.5	0.0		1003	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	08/03/21	0	0.0	0.0	20.3	0.0	1.6	1015	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	08/03/21	10	0.0	1.4	19.9	0.0	1.6	1015	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	08/03/21	20	0.0	1.7	18.5	0.0	1.6	1015	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	08/03/21	30	0.0	1.7	17.8	0.0	1.6	1015	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	08/03/21	60	0.0	1.7	17.2	0.0	1.6	1015	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	08/03/21	90	0.0	1.7	17.2	0.0	1.6	1015	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	08/03/21	120	0.0	1.7	17.2	0.0	1.6	1015	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	08/03/21	180	0.0	1.7	17.1	0.0	1.6	1015	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	08/03/21	0	0.0	0.0	20.4	0.0	1.0	1015	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	08/03/21	10	0.0	2.0	20.0	0.0	1.0	1015	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	08/03/21	20	0.0	2.4	18.9	0.0	1.0	1015	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	08/03/21	30	0.0	2.5	18.3	0.0	1.0	1015	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	08/03/21	60	0.0	2.5	17.9	0.0	1.0	1015	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	08/03/21	90	0.0	2.5	17.8	0.0	1.0	1015	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	08/03/21	120	0.0	2.5	17.8	0.0	1.0	1015	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	08/03/21	180	0.0	2.5	17.8	0.0	1.0	1015	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	08/03/21	0								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	08/03/21	10								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	08/03/21	20								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	08/03/21	30								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	08/03/21	60								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	08/03/21	90								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	08/03/21	120								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	08/03/21	180								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	08/03/21	0	0.0	0.0	20.5	0.0	1.1	1016	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	08/03/21	10	0.0	3.9	19.2	0.0	1.1	1016	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	08/03/21	20	0.0	4.7	16.9	0.0	1.1	1016	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	08/03/21	30	0.0	4.8	15.8	0.0	1.1	1016	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	08/03/21	60	0.0	4.9	14.9	0.0	1.1	1016	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	08/03/21	90	0.0	4.9	14.8	0.0	1.1	1016	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	08/03/21	120	0.0	4.9	14.7	0.0	1.1	1016	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	08/03/21	180	0.0	5.0	14.7	0.0	1.1	1016	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	AMBER 1
Max values			0.0	6.7	20.9	0.0	1.6	1019.0	0.0	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
Min Vaules			0.0	0.0	13.9	0.0	0.0	972.0	0.0	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
BH Flow LoD check			0.0	6.7	20.9	0.1	-	-	-	0.000	0.007	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1



APPENDIX G

Soakage Testing Results



APPENDIX H

CatWasteSoil Results

Site Name	Wensley Road, Reading
Location	Berkshire, RG1 6DR
Site ID	GE18760
Job Number	GE18760
Date	3/25/2020
User Name	laura.legate@gesl.net
Company Name	Geo-Environmental Services Limited

Hole ID	Sample Depth	Hazardous Waste Y/N	HP1	HP2	HP3	HP4	HP5	HP6	HP7	HP8	HP9	HP10	HP11	HP12	HP13	HP14	HP15	HP16
WS04	0.90	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
WS05	0.50	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
TP05	0.40	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
WS01	1.40	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
TP01	0.30	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
TP03	0.20	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
TP06	0.70	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
TP08	0.20	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
WS01	0.50	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
WS02	0.30	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
WS03	0.50	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
WS04	0.40	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
WS06	0.90	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
TP02	0.20	N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No

Site Name	Wensley Road, Reading
Location	Berkshire, RG1 6DR
Site ID	GE18760
Job Number	GE18760
Date	3/25/2020
User Name	laura.legate@gesl.net
Company Name	Geo-Environmental Services Limited

Hole ID	Sample Depth	Contaminant	Contaminant Concentration (%)	Hazardous Waste Y/N	Hazard Property	Individual Hazard Statements Exceeded	Cumulative Hazard Statements Exceeded	Additional Hazard Statements (see notes section)
WS04	0.90	pH	0.00000	N				
WS04	0.90	Benzene	0.00000	N				H225 test
WS04	0.90	Toluene	0.00000	N				H225 test
WS04	0.90	Ethylbenzene	0.00000	N				H225 test
WS04	0.90	m,p-xylene	0.00000	N				H226 test
WS04	0.90	o-xylene	0.00000	N				H226 test
WS04	0.90	Naphthalene	0.00001	N				H228 test
WS04	0.90	Acenaphthylene	0.00001	N				
WS04	0.90	Acenaphthene	0.00001	N				
WS04	0.90	Fluorene	0.00001	N				
WS04	0.90	Phenanthrene	0.00001	N				
WS04	0.90	Anthracene	0.00001	N				
WS04	0.90	Fluoranthene	0.00001	N				
WS04	0.90	Pyrene	0.00001	N				
WS04	0.90	Benzo(a)anthracene	0.00001	N				
WS04	0.90	Chrysene	0.00001	N				
WS04	0.90	Benzo(b)fluoranthene	0.00001	N				
WS04	0.90	Benzo(k)fluoranthene	0.00001	N				
WS04	0.90	Benzo(a)pyrene	0.00001	N				
WS04	0.90	Indeno(1,2,3-cd)pyrene	0.00001	N				
WS04	0.90	Di-benz(a,h)anthracene	0.00001	N				
WS04	0.90	Benzo(g,h,i)perylene	0.00001	N				
WS04	0.90	Methyl-tert-butyl ether	0.00000	N				H225 test
WS04	0.90	hydrocarbon/oil with marker	0.00100	N				H225 test
WS04	0.90	Arsenic	0.00086	N				
WS04	0.90	Boron	0.00069	N				
WS04	0.90	Cadmium	0.00004	N				
WS04	0.90	Hexavalent Chromium	0.00040	N				
WS04	0.90	Chromium (Total)	0.00190	N				
WS04	0.90	Copper	0.00477	N				
WS04	0.90	Lead	0.00270	N				
WS04	0.90	Mercury	0.00003	N				
WS04	0.90	Nickel	0.00448	N				
WS04	0.90	Selenium	0.00038	N				
WS04	0.90	Zinc	0.00000	N				
WS04	0.90	Zincx	0.00963	N				
WS04	0.90	Vanadium	0.00500	N				
WS04	0.90	Free Cyanide	0.00010	N				H224 test
WS05	0.50	pH	0.00000	N				
WS05	0.50	Benzene	0.00000	N				H225 test
WS05	0.50	Toluene	0.00000	N				H225 test
WS05	0.50	Ethylbenzene	0.00000	N				H225 test
WS05	0.50	m,p-xylene	0.00000	N				H226 test
WS05	0.50	o-xylene	0.00000	N				H226 test
WS05	0.50	Naphthalene	0.00001	N				H228 test
WS05	0.50	Acenaphthylene	0.00001	N				
WS05	0.50	Acenaphthene	0.00001	N				

Site Name	Wensley Road, Reading
Location	Berkshire, RG1 6DR
Site ID	GE18760
Job Number	GE18760
Date	3/25/2020
User Name	laura.legate@gesl.net
Company Name	Geo-Environmental Services Limited

Hole ID	Sample Depth	Contaminant	Contaminant Concentration (%)	Hazardous Waste Y/N	Hazard Property	Individual Hazard Statements Exceeded	Cumulative Hazard Statements Exceeded	Additional Hazard Statements (see notes section)
WS05	0.50	Fluorene	0.00001	N				
WS05	0.50	Phenanthrene	0.00001	N				
WS05	0.50	Anthracene	0.00001	N				
WS05	0.50	Fluoranthene	0.00001	N				
WS05	0.50	Pyrene	0.00001	N				
WS05	0.50	Benzo(a)anthracene	0.00001	N				
WS05	0.50	Chrysene	0.00001	N				
WS05	0.50	Benzo(b)fluoranthene	0.00001	N				
WS05	0.50	Benzo(k)fluoranthene	0.00001	N				
WS05	0.50	Benzo(a)pyrene	0.00001	N				
WS05	0.50	Indeno(1,2,3-cd)pyrene	0.00001	N				
WS05	0.50	Di-benz(a,h)anthracene	0.00001	N				
WS05	0.50	Benzo(g,h,i)perylene	0.00001	N				
WS05	0.50	Methyl-tert-butyl ether	0.00000	N				H225 test
WS05	0.50	hydrocarbon/oil with marker	0.00100	N				H225 test
WS05	0.50	Arsenic	0.00121	N				
WS05	0.50	Boron	0.00093	N				
WS05	0.50	Cadmium	0.00004	N				
WS05	0.50	Hexavalent Chromium	0.00040	N				
WS05	0.50	Chromium (Total)	0.00175	N				
WS05	0.50	Copper	0.00377	N				
WS05	0.50	Lead	0.00160	N				
WS05	0.50	Mercury	0.00003	N				
WS05	0.50	Nickel	0.00395	N				
WS05	0.50	Selenium	0.00038	N				
WS05	0.50	Zinc	0.00000	N				
WS05	0.50	Zincx	0.01012	N				
WS05	0.50	Vanadium	0.00482	N				
WS05	0.50	Free Cyanide	0.00010	N				H224 test
TP05	0.40	pH	0.00000	N				
TP05	0.40	Benzene	0.00000	N				H225 test
TP05	0.40	Toluene	0.00000	N				H225 test
TP05	0.40	Ethylbenzene	0.00000	N				H225 test
TP05	0.40	m,p-xylene	0.00000	N				H226 test
TP05	0.40	o-xylene	0.00000	N				H226 test
TP05	0.40	Naphthalene	0.00001	N				H228 test
TP05	0.40	Acenaphthylene	0.00001	N				
TP05	0.40	Acenaphthene	0.00001	N				
TP05	0.40	Fluorene	0.00001	N				
TP05	0.40	Phenanthrene	0.00001	N				
TP05	0.40	Anthracene	0.00001	N				
TP05	0.40	Fluoranthene	0.00001	N				
TP05	0.40	Pyrene	0.00001	N				
TP05	0.40	Benzo(a)anthracene	0.00001	N				
TP05	0.40	Chrysene	0.00001	N				
TP05	0.40	Benzo(b)fluoranthene	0.00001	N				
TP05	0.40	Benzo(k)fluoranthene	0.00001	N				

Site Name	Wensley Road, Reading
Location	Berkshire, RG1 6DR
Site ID	GE18760
Job Number	GE18760
Date	3/25/2020
User Name	laura.legate@gesl.net
Company Name	Geo-Environmental Services Limited

Hole ID	Sample Depth	Contaminant	Contaminant Concentration (%)	Hazardous Waste Y/N	Hazard Property	Individual Hazard Statements Exceeded	Cumulative Hazard Statements Exceeded	Additional Hazard Statements (see notes section)
TP05	0.40	Benzo(a)pyrene	0.00001	N				
TP05	0.40	Indeno(1,2,3-cd)pyrene	0.00001	N				
TP05	0.40	Di-benz(a,h)anthracene	0.00001	N				
TP05	0.40	Benzo(g,h,i)perylene	0.00001	N				
TP05	0.40	Methyl-tert-butyl ether	0.00000	N				H225 test
TP05	0.40	hydrocarbon/oil with marker	0.00100	N				H225 test
TP05	0.40	Arsenic	0.00101	N				
TP05	0.40	Boron	0.00069	N				
TP05	0.40	Cadmium	0.00004	N				
TP05	0.40	Hexavalent Chromium	0.00040	N				
TP05	0.40	Chromium (Total)	0.00117	N				
TP05	0.40	Copper	0.00206	N				
TP05	0.40	Lead	0.00150	N				
TP05	0.40	Mercury	0.00003	N				
TP05	0.40	Nickel	0.00290	N				
TP05	0.40	Selenium	0.00038	N				
TP05	0.40	Zinc	0.00000	N				
TP05	0.40	Zincx	0.00790	N				
TP05	0.40	Vanadium	0.00357	N				
TP05	0.40	Free Cyanide	0.00010	N				H224 test
WS01	1.40	pH	0.00000	N				
WS01	1.40	Benzene	0.00000	N				H225 test
WS01	1.40	Toluene	0.00000	N				H225 test
WS01	1.40	Ethylbenzene	0.00000	N				H225 test
WS01	1.40	m,p-xylene	0.00000	N				H226 test
WS01	1.40	o-xylene	0.00000	N				H226 test
WS01	1.40	Naphthalene	0.00001	N				H228 test
WS01	1.40	Acenaphthylene	0.00001	N				
WS01	1.40	Acenaphthene	0.00001	N				
WS01	1.40	Fluorene	0.00001	N				
WS01	1.40	Phenanthrene	0.00001	N				
WS01	1.40	Anthracene	0.00001	N				
WS01	1.40	Fluoranthene	0.00001	N				
WS01	1.40	Pyrene	0.00001	N				
WS01	1.40	Benzo(a)anthracene	0.00001	N				
WS01	1.40	Chrysene	0.00001	N				
WS01	1.40	Benzo(b)fluoranthene	0.00001	N				
WS01	1.40	Benzo(k)fluoranthene	0.00001	N				
WS01	1.40	Benzo(a)pyrene	0.00001	N				
WS01	1.40	Indeno(1,2,3-cd)pyrene	0.00001	N				
WS01	1.40	Di-benz(a,h)anthracene	0.00001	N				
WS01	1.40	Benzo(g,h,i)perylene	0.00001	N				
WS01	1.40	Methyl-tert-butyl ether	0.00000	N				H225 test
WS01	1.40	hydrocarbon/oil with marker	0.00100	N				H225 test
WS01	1.40	Arsenic	0.00146	N				
WS01	1.40	Boron	0.00093	N				
WS01	1.40	Cadmium	0.00004	N				

Site Name	Wensley Road, Reading
Location	Berkshire, RG1 6DR
Site ID	GE18760
Job Number	GE18760
Date	3/25/2020
User Name	laura.legate@gesl.net
Company Name	Geo-Environmental Services Limited

Hole ID	Sample Depth	Contaminant	Contaminant Concentration (%)	Hazardous Waste Y/N	Hazard Property	Individual Hazard Statements Exceeded	Cumulative Hazard Statements Exceeded	Additional Hazard Statements (see notes section)
WS01	1.40	Hexavalent Chromium	0.00040	N				
WS01	1.40	Chromium (Total)	0.00234	N				
WS01	1.40	Copper	0.00196	N				
WS01	1.40	Lead	0.00000	N				
WS01	1.40	Leadx	0.00990	N				
WS01	1.40	Mercury	0.00003	N				
WS01	1.40	Nickel	0.00316	N				
WS01	1.40	Selenium	0.00038	N				
WS01	1.40	Zinc	0.00000	N				
WS01	1.40	Zincx	0.00741	N				
WS01	1.40	Vanadium	0.00607	N				
WS01	1.40	Free Cyanide	0.00010	N				H224 test
TP01	0.30	pH	0.00000	N				
TP01	0.30	Benzene	0.00000	N				H225 test
TP01	0.30	Toluene	0.00000	N				H225 test
TP01	0.30	Ethylbenzene	0.00000	N				H225 test
TP01	0.30	m,p-xylene	0.00000	N				H226 test
TP01	0.30	o-xylene	0.00000	N				H226 test
TP01	0.30	Naphthalene	0.00001	N				H228 test
TP01	0.30	Acenaphthylene	0.00001	N				
TP01	0.30	Acenaphthene	0.00001	N				
TP01	0.30	Fluorene	0.00001	N				
TP01	0.30	Phenanthrene	0.00001	N				
TP01	0.30	Anthracene	0.00001	N				
TP01	0.30	Fluoranthene	0.00002	N				
TP01	0.30	Pyrene	0.00002	N				
TP01	0.30	Benzo(a)anthracene	0.00002	N				
TP01	0.30	Chrysene	0.00002	N				
TP01	0.30	Benzo(b)fluoranthene	0.00002	N				
TP01	0.30	Benzo(k)fluoranthene	0.00001	N				
TP01	0.30	Benzo(a)pyrene	0.00001	N				
TP01	0.30	Indeno(1,2,3-cd)pyrene	0.00001	N				
TP01	0.30	Di-benz(a,h)anthracene	0.00001	N				
TP01	0.30	Benzo(g,h,i)perylene	0.00001	N				
TP01	0.30	2 - chlorophenol	0.00001	N				
TP01	0.30	Vinyl chloride	0.00000	N				H220 test
TP01	0.30	Cis-1,2-dichloroethene	0.00000	N				H225 test
TP01	0.30	Trans -1, 2-dichloroethene	0.00000	N				H225 test
TP01	0.30	1,1,1,2-tetrachloroethane	0.00000	N				
TP01	0.30	1,1,2,2-tetrachloroethane	0.00000	N				
TP01	0.30	Hexachlorobutadiene	0.00000	N				
TP01	0.30	Trichloroethene	0.00000	N				
TP01	0.30	chlorobenzene	0.00000	N				H226 test
TP01	0.30	1,2 - dichlorobenzene	0.00000	N				
TP01	0.30	1,3 - dichlorobenzene	0.00000	N				
TP01	0.30	1,4 - dichlorobenzene	0.00000	N				
TP01	0.30	1,2,3 - trichlorobenzene	0.00000	N				

Site Name	Wensley Road, Reading
Location	Berkshire, RG1 6DR
Site ID	GE18760
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User Name	laura.legate@gesl.net
Company Name	Geo-Environmental Services Limited

Hole ID	Sample Depth	Contaminant	Contaminant Concentration (%)	Hazardous Waste Y/N	Hazard Property	Individual Hazard Statements Exceeded	Cumulative Hazard Statements Exceeded	Additional Hazard Statements (see notes section)
TP01	0.30	1,2,4 - trichlorobenzene	0.00000	N				
TP01	0.30	1,2,4 - trimethylbenzene	0.00000	N				H226 test
TP01	0.30	1,3,5 - trimethylbenzene	0.00000	N				H226 test
TP01	0.30	Aniline	0.00001	N				
TP01	0.30	Phenol	0.00002	N				
TP01	0.30	2,4 - dichlorophenol	0.00003	N				
TP01	0.30	2,4,6 - trichlorophenol	0.00001	N				
TP01	0.30	Methyl-tert-butyl ether	0.00000	N				H225 test
TP01	0.30	hydrocarbon/oil with marker	0.00100	N				H225 test
TP01	0.30	Arsenic	0.00169	N				
TP01	0.30	Boron	0.00185	N				
TP01	0.30	Cadmium	0.00004	N				
TP01	0.30	Hexavalent Chromium	0.00040	N				
TP01	0.30	Chromium (Total)	0.00175	N				
TP01	0.30	Copper	0.00377	N				
TP01	0.30	Lead	0.00490	N				
TP01	0.30	Mercury	0.00003	N				
TP01	0.30	Nickel	0.00395	N				
TP01	0.30	Selenium	0.00038	N				
TP01	0.30	Zinc	0.00000	N				
TP01	0.30	Zincx	0.01679	N				
TP01	0.30	Vanadium	0.00464	N				
TP01	0.30	Free Cyanide	0.00010	N				H224 test
TP03	0.20	pH	0.00000	N				
TP03	0.20	Benzene	0.00000	N				H225 test
TP03	0.20	Toluene	0.00000	N				H225 test
TP03	0.20	Ethylbenzene	0.00000	N				H225 test
TP03	0.20	m,p-xylene	0.00000	N				H226 test
TP03	0.20	o-xylene	0.00000	N				H226 test
TP03	0.20	Naphthalene	0.00001	N				H228 test
TP03	0.20	Acenaphthylene	0.00001	N				
TP03	0.20	Acenaphthene	0.00001	N				
TP03	0.20	Fluorene	0.00001	N				
TP03	0.20	Phenanthrene	0.00001	N				
TP03	0.20	Anthracene	0.00001	N				
TP03	0.20	Fluoranthene	0.00001	N				
TP03	0.20	Pyrene	0.00001	N				
TP03	0.20	Benzo(a)anthracene	0.00001	N				
TP03	0.20	Chrysene	0.00001	N				
TP03	0.20	Benzo(b)fluoranthene	0.00001	N				
TP03	0.20	Benzo(k)fluoranthene	0.00001	N				
TP03	0.20	Benzo(a)pyrene	0.00001	N				
TP03	0.20	Indeno(1,2,3-cd)pyrene	0.00001	N				
TP03	0.20	Di-benz(a,h,i)anthracene	0.00001	N				
TP03	0.20	Benzo(g,h,i)perylene	0.00001	N				
TP03	0.20	Methyl-tert-butyl ether	0.00000	N				H225 test
TP03	0.20	hydrocarbon/oil with marker	0.00100	N				H225 test

Site Name	Wensley Road, Reading
Location	Berkshire, RG1 6DR
Site ID	GE18760
Job Number	GE18760
Date	3/25/2020
User Name	laura.legate@gesl.net
Company Name	Geo-Environmental Services Limited

Hole ID	Sample Depth	Contaminant	Contaminant Concentration (%)	Hazardous Waste Y/N	Hazard Property	Individual Hazard Statements Exceeded	Cumulative Hazard Statements Exceeded	Additional Hazard Statements (see notes section)
TP03	0.20	Arsenic	0.00138	N				
TP03	0.20	Boron	0.00093	N				
TP03	0.20	Cadmium	0.00004	N				
TP03	0.20	Hexavalent Chromium	0.00040	N				
TP03	0.20	Chromium (Total)	0.00146	N				
TP03	0.20	Copper	0.00352	N				
TP03	0.20	Lead	0.00390	N				
TP03	0.20	Mercury	0.00003	N				
TP03	0.20	Nickel	0.00343	N				
TP03	0.20	Selenium	0.00038	N				
TP03	0.20	Zinc	0.00000	N				
TP03	0.20	Zincx	0.01136	N				
TP03	0.20	Vanadium	0.00464	N				
TP03	0.20	Free Cyanide	0.00010	N				H224 test
TP06	0.70	pH	0.00000	N				
TP06	0.70	Benzene	0.00000	N				H225 test
TP06	0.70	Toluene	0.00000	N				H225 test
TP06	0.70	Ethylbenzene	0.00000	N				H225 test
TP06	0.70	m,p-xylene	0.00000	N				H226 test
TP06	0.70	o-xylene	0.00000	N				H226 test
TP06	0.70	Naphthalene	0.00001	N				H228 test
TP06	0.70	Acenaphthylene	0.00001	N				
TP06	0.70	Acenaphthene	0.00001	N				
TP06	0.70	Fluorene	0.00001	N				
TP06	0.70	Phenanthrene	0.00001	N				
TP06	0.70	Anthracene	0.00001	N				
TP06	0.70	Fluoranthene	0.00001	N				
TP06	0.70	Pyrene	0.00001	N				
TP06	0.70	Benzo(a)anthracene	0.00001	N				
TP06	0.70	Chrysene	0.00001	N				
TP06	0.70	Benzo(b)fluoranthene	0.00001	N				
TP06	0.70	Benzo(k)fluoranthene	0.00001	N				
TP06	0.70	Benzo(a)pyrene	0.00001	N				
TP06	0.70	Indeno(1,2,3-cd)pyrene	0.00001	N				
TP06	0.70	Di-benz(a,h)anthracene	0.00001	N				
TP06	0.70	Benzo(g,h,i)perylene	0.00001	N				
TP06	0.70	Methyl-tert-butyl ether	0.00000	N				H225 test
TP06	0.70	hydrocarbon/oil with marker	0.00100	N				H225 test
TP06	0.70	Arsenic	0.00048	N				
TP06	0.70	Boron	0.00116	N				
TP06	0.70	Cadmium	0.00004	N				
TP06	0.70	Hexavalent Chromium	0.00040	N				
TP06	0.70	Chromium (Total)	0.00023	N				
TP06	0.70	Copper	0.00126	N				
TP06	0.70	Lead	0.00120	N				
TP06	0.70	Mercury	0.00003	N				
TP06	0.70	Nickel	0.00142	N				

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Hole ID	Sample Depth	Contaminant	Contaminant Concentration (%)	Hazardous Waste Y/N	Hazard Property	Individual Hazard Statements Exceeded	Cumulative Hazard Statements Exceeded	Additional Hazard Statements (see notes section)
TP06	0.70	Selenium	0.00038	N				
TP06	0.70	Zinc	0.00000	N				
TP06	0.70	Zincx	0.00469	N				
TP06	0.70	Vanadium	0.00173	N				
TP06	0.70	Free Cyanide	0.00010	N				H224 test
TP08	0.20	pH	0.00000	N				
TP08	0.20	Benzene	0.00000	N				H225 test
TP08	0.20	Toluene	0.00000	N				H225 test
TP08	0.20	Ethylbenzene	0.00000	N				H225 test
TP08	0.20	m,p-xylene	0.00000	N				H226 test
TP08	0.20	o-xylene	0.00000	N				H226 test
TP08	0.20	Naphthalene	0.00001	N				H228 test
TP08	0.20	Acenaphthylene	0.00001	N				
TP08	0.20	Acenaphthene	0.00001	N				
TP08	0.20	Fluorene	0.00001	N				
TP08	0.20	Phenanthrene	0.00004	N				
TP08	0.20	Anthracene	0.00001	N				
TP08	0.20	Fluoranthene	0.00005	N				
TP08	0.20	Pyrene	0.00005	N				
TP08	0.20	Benzo(a)anthracene	0.00003	N				
TP08	0.20	Chrysene	0.00004	N				
TP08	0.20	Benzo(b)fluoranthene	0.00005	N				
TP08	0.20	Benzo(k)fluoranthene	0.00001	N				
TP08	0.20	Benzo(a)pyrene	0.00003	N				
TP08	0.20	Indeno(1,2,3-cd)pyrene	0.00002	N				
TP08	0.20	Di-benz(a,h)anthracene	0.00001	N				
TP08	0.20	Benzo(g,h,i)perylene	0.00002	N				
TP08	0.20	Methyl-tert-butyl ether	0.00000	N				H225 test
TP08	0.20	hydrocarbon/oil with marker	0.00100	N				H225 test
TP08	0.20	Arsenic	0.00091	N				
TP08	0.20	Boron	0.00069	N				
TP08	0.20	Cadmium	0.00004	N				
TP08	0.20	Hexavalent Chromium	0.00040	N				
TP08	0.20	Chromium (Total)	0.00102	N				
TP08	0.20	Copper	0.00327	N				
TP08	0.20	Lead	0.00340	N				
TP08	0.20	Mercury	0.00003	N				
TP08	0.20	Nickel	0.00264	N				
TP08	0.20	Selenium	0.00038	N				
TP08	0.20	Zinc	0.00000	N				
TP08	0.20	Zincx	0.01630	N				
TP08	0.20	Vanadium	0.00321	N				
TP08	0.20	Free Cyanide	0.00010	N				H224 test
WS01	0.50	pH	0.00000	N				
WS01	0.50	Benzene	0.00000	N				H225 test
WS01	0.50	Toluene	0.00000	N				H225 test
WS01	0.50	Ethylbenzene	0.00000	N				H225 test

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Hole ID	Sample Depth	Contaminant	Contaminant Concentration (%)	Hazardous Waste Y/N	Hazard Property	Individual Hazard Statements Exceeded	Cumulative Hazard Statements Exceeded	Additional Hazard Statements (see notes section)
WS01	0.50	m,p-xylene	0.00000	N				H226 test
WS01	0.50	o-xylene	0.00000	N				H226 test
WS01	0.50	Naphthalene	0.00005	N				H228 test
WS01	0.50	Acenaphthylene	0.00001	N				
WS01	0.50	Acenaphthene	0.00001	N				
WS01	0.50	Fluorene	0.00001	N				
WS01	0.50	Phenanthrene	0.00009	N				
WS01	0.50	Anthracene	0.00001	N				
WS01	0.50	Fluoranthene	0.00009	N				
WS01	0.50	Pyrene	0.00008	N				
WS01	0.50	Benzo(a)anthracene	0.00004	N				
WS01	0.50	Chrysene	0.00004	N				
WS01	0.50	Benzo(b)fluoranthene	0.00004	N				
WS01	0.50	Benzo(k)fluoranthene	0.00001	N				
WS01	0.50	Benzo(a)pyrene	0.00003	N				
WS01	0.50	Indeno(1,2,3-cd)pyrene	0.00001	N				
WS01	0.50	Di-benz(a,h)anthracene	0.00001	N				
WS01	0.50	Benzo(g,h,i)perylene	0.00001	N				
WS01	0.50	Methyl-tert-butyl ether	0.00000	N				H225 test
WS01	0.50	Petrol	0.00001	N				
WS01	0.50	Diesel	0.00310	N				
WS01	0.50	hydrocarbon/oil with marker	0.00670	N				H225 test
WS01	0.50	Arsenic	0.00149	N				
WS01	0.50	Boron	0.00324	N				
WS01	0.50	Cadmium	0.00004	N				
WS01	0.50	Hexavalent Chromium	0.00040	N				
WS01	0.50	Chromium (Total)	0.00395	N				
WS01	0.50	Copper	0.00377	N				
WS01	0.50	Lead	0.00210	N				
WS01	0.50	Mercury	0.00003	N				
WS01	0.50	Nickel	0.01107	N				
WS01	0.50	Selenium	0.00038	N				
WS01	0.50	Zinc	0.00000	N				
WS01	0.50	Zincx	0.01481	N				
WS01	0.50	Vanadium	0.00714	N				
WS01	0.50	Free Cyanide	0.00010	N				H224 test
WS02	0.30	pH	0.00000	N				
WS02	0.30	Benzene	0.00000	N				H225 test
WS02	0.30	Toluene	0.00000	N				H225 test
WS02	0.30	Ethylbenzene	0.00000	N				H225 test
WS02	0.30	m,p-xylene	0.00000	N				H226 test
WS02	0.30	o-xylene	0.00000	N				H226 test
WS02	0.30	Naphthalene	0.00001	N				H228 test
WS02	0.30	Acenaphthylene	0.00001	N				
WS02	0.30	Acenaphthene	0.00001	N				
WS02	0.30	Fluorene	0.00001	N				
WS02	0.30	Phenanthrene	0.00001	N				

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Hole ID	Sample Depth	Contaminant	Contaminant Concentration (%)	Hazardous Waste Y/N	Hazard Property	Individual Hazard Statements Exceeded	Cumulative Hazard Statements Exceeded	Additional Hazard Statements (see notes section)
WS02	0.30	Anthracene	0.00001	N				
WS02	0.30	Fluoranthene	0.00001	N				
WS02	0.30	Pyrene	0.00001	N				
WS02	0.30	Benzo(a)anthracene	0.00001	N				
WS02	0.30	Chrysene	0.00001	N				
WS02	0.30	Benzo(b)fluoranthene	0.00001	N				
WS02	0.30	Benzo(k)fluoranthene	0.00001	N				
WS02	0.30	Benzo(a)pyrene	0.00001	N				
WS02	0.30	Indeno(1,2,3-cd)pyrene	0.00001	N				
WS02	0.30	Di-benz(a,h)anthracene	0.00001	N				
WS02	0.30	Benzo(g,h,i)perylene	0.00001	N				
WS02	0.30	Methyl-tert-butyl ether	0.00000	N				H225 test
WS02	0.30	hydrocarbon/oil with marker	0.00100	N				H225 test
WS02	0.30	Arsenic	0.00130	N				
WS02	0.30	Boron	0.00116	N				
WS02	0.30	Cadmium	0.00004	N				
WS02	0.30	Hexavalent Chromium	0.00040	N				
WS02	0.30	Chromium (Total)	0.00146	N				
WS02	0.30	Copper	0.00854	N				
WS02	0.30	Lead	0.00400	N				
WS02	0.30	Mercury	0.00003	N				
WS02	0.30	Nickel	0.00343	N				
WS02	0.30	Selenium	0.00038	N				
WS02	0.30	Zinc	0.00000	N				
WS02	0.30	Zinc	0.01185	N				
WS02	0.30	Vanadium	0.00411	N				
WS02	0.30	Free Cyanide	0.00010	N				H224 test
WS03	0.50	pH	0.00000	N				
WS03	0.50	Benzene	0.00000	N				H225 test
WS03	0.50	Toluene	0.00000	N				H225 test
WS03	0.50	Ethylbenzene	0.00000	N				H225 test
WS03	0.50	m,p-xylene	0.00000	N				H226 test
WS03	0.50	o-xylene	0.00000	N				H226 test
WS03	0.50	Naphthalene	0.00001	N				H228 test
WS03	0.50	Acenaphthylene	0.00001	N				
WS03	0.50	Acenaphthene	0.00001	N				
WS03	0.50	Fluorene	0.00001	N				
WS03	0.50	Phenanthrene	0.00001	N				
WS03	0.50	Anthracene	0.00001	N				
WS03	0.50	Fluoranthene	0.00001	N				
WS03	0.50	Pyrene	0.00001	N				
WS03	0.50	Benzo(a)anthracene	0.00001	N				
WS03	0.50	Chrysene	0.00001	N				
WS03	0.50	Benzo(b)fluoranthene	0.00001	N				
WS03	0.50	Benzo(k)fluoranthene	0.00001	N				
WS03	0.50	Benzo(a)pyrene	0.00001	N				
WS03	0.50	Indeno(1,2,3-cd)pyrene	0.00001	N				

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Hole ID	Sample Depth	Contaminant	Contaminant Concentration (%)	Hazardous Waste Y/N	Hazard Property	Individual Hazard Statements Exceeded	Cumulative Hazard Statements Exceeded	Additional Hazard Statements (see notes section)
WS03	0.50	Di-benz(a,h.)anthracene	0.00001	N				
WS03	0.50	Benzo(g,h,i)perylene	0.00001	N				
WS03	0.50	Methyl-tert-butyl ether	0.00000	N				H225 test
WS03	0.50	hydrocarbon/oil with marker	0.00100	N				H225 test
WS03	0.50	Arsenic	0.00141	N				
WS03	0.50	Boron	0.00139	N				
WS03	0.50	Cadmium	0.00004	N				
WS03	0.50	Hexavalent Chromium	0.00040	N				
WS03	0.50	Chromium (Total)	0.00161	N				
WS03	0.50	Copper	0.00427	N				
WS03	0.50	Lead	0.00380	N				
WS03	0.50	Mercury	0.00003	N				
WS03	0.50	Nickel	0.00343	N				
WS03	0.50	Selenium	0.00075	N				
WS03	0.50	Zinc	0.00000	N				
WS03	0.50	Zincx	0.01136	N				
WS03	0.50	Vanadium	0.00464	N				
WS03	0.50	Free Cyanide	0.00010	N				H224 test
WS04	0.40	pH	0.00000	N				
WS04	0.40	Benzene	0.00000	N				H225 test
WS04	0.40	Toluene	0.00000	N				H225 test
WS04	0.40	Ethylbenzene	0.00000	N				H225 test
WS04	0.40	m,p-xylene	0.00000	N				H226 test
WS04	0.40	o-xylene	0.00000	N				H226 test
WS04	0.40	Naphthalene	0.00001	N				H228 test
WS04	0.40	Acenaphthylene	0.00001	N				
WS04	0.40	Acenaphthene	0.00001	N				
WS04	0.40	Fluorene	0.00001	N				
WS04	0.40	Phenanthrene	0.00001	N				
WS04	0.40	Anthracene	0.00001	N				
WS04	0.40	Fluoranthene	0.00001	N				
WS04	0.40	Pyrene	0.00001	N				
WS04	0.40	Benzo(a)anthracene	0.00001	N				
WS04	0.40	Chrysene	0.00001	N				
WS04	0.40	Benzo(b)fluoranthene	0.00001	N				
WS04	0.40	Benzo(k)fluoranthene	0.00001	N				
WS04	0.40	Benzo(a)pyrene	0.00001	N				
WS04	0.40	Indeno(1,2,3-cd)pyrene	0.00001	N				
WS04	0.40	Di-benz(a,h.)anthracene	0.00001	N				
WS04	0.40	Benzo(g,h,i)perylene	0.00001	N				
WS04	0.40	2 - chlorophenol	0.00001	N				
WS04	0.40	Vinyl chloride	0.00000	N				H220 test
WS04	0.40	Cis-1,2-dichloroethene	0.00000	N				H225 test
WS04	0.40	Trans -1, 2-dichloroethene	0.00000	N				H225 test
WS04	0.40	1,1,1,2-tetrachloroethane	0.00000	N				
WS04	0.40	1,1,2,2-tetrachloroethane	0.00000	N				
WS04	0.40	Hexachlorobutadiene	0.00000	N				

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WS04	0.40	Trichloroethene	0.00000	N				
WS04	0.40	chlorobenzene	0.00000	N				H226 test
WS04	0.40	1,2 - dichlorobenzene	0.00000	N				
WS04	0.40	1,3 - dichlorobenzene	0.00000	N				
WS04	0.40	1,4 - dichlorobenzene	0.00000	N				
WS04	0.40	1,2,3 - trichlorobenzene	0.00000	N				
WS04	0.40	1,2,4 - trichlorobenzene	0.00000	N				
WS04	0.40	1,2,4 - trimethylbenzene	0.00000	N				H226 test
WS04	0.40	1,3,5 - trimethylbenzene	0.00000	N				H226 test
WS04	0.40	Aniline	0.00001	N				
WS04	0.40	Phenol	0.00002	N				
WS04	0.40	2,4 - dichlorophenol	0.00003	N				
WS04	0.40	2,4,6 - trichlorophenol	0.00001	N				
WS04	0.40	Methyl-tert-butyl ether	0.00000	N				H225 test
WS04	0.40	Petrol	0.00001	N				
WS04	0.40	Diesel	0.01300	N				
WS04	0.40	hydrocarbon/oil with marker	0.02160	N				H225 test
WS04	0.40	Arsenic	0.00095	N				
WS04	0.40	Boron	0.00347	N				
WS04	0.40	Cadmium	0.00004	N				
WS04	0.40	Hexavalent Chromium	0.00040	N				
WS04	0.40	Chromium (Total)	0.00146	N				
WS04	0.40	Copper	0.00301	N				
WS04	0.40	Lead	0.00340	N				
WS04	0.40	Mercury	0.00003	N				
WS04	0.40	Nickel	0.00316	N				
WS04	0.40	Selenium	0.00038	N				
WS04	0.40	Zinc	0.00000	N				
WS04	0.40	Zinc	0.00840	N				
WS04	0.40	Vanadium	0.00393	N				
WS04	0.40	Free Cyanide	0.00010	N				H224 test
WS06	0.90	pH	0.00000	N				
WS06	0.90	Benzene	0.00000	N				H225 test
WS06	0.90	Toluene	0.00000	N				H225 test
WS06	0.90	Ethylbenzene	0.00000	N				H225 test
WS06	0.90	m,p-xylene	0.00000	N				H226 test
WS06	0.90	o-xylene	0.00000	N				H226 test
WS06	0.90	Naphthalene	0.00001	N				H228 test
WS06	0.90	Acenaphthylene	0.00001	N				
WS06	0.90	Acenaphthene	0.00001	N				
WS06	0.90	Fluorene	0.00001	N				
WS06	0.90	Phenanthrene	0.00001	N				
WS06	0.90	Anthracene	0.00001	N				
WS06	0.90	Fluoranthene	0.00001	N				
WS06	0.90	Pyrene	0.00001	N				
WS06	0.90	Benzo(a)anthracene	0.00001	N				
WS06	0.90	Chrysene	0.00001	N				

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Hole ID	Sample Depth	Contaminant	Contaminant Concentration (%)	Hazardous Waste Y/N	Hazard Property	Individual Hazard Statements Exceeded	Cumulative Hazard Statements Exceeded	Additional Hazard Statements (see notes section)
WS06	0.90	Benzo(b)fluoranthene	0.00001	N				
WS06	0.90	Benzo(k)fluoranthene	0.00001	N				
WS06	0.90	Benzo(a)pyrene	0.00001	N				
WS06	0.90	Indeno(1,2,3-cd)pyrene	0.00001	N				
WS06	0.90	Di-benz(a,h)anthracene	0.00001	N				
WS06	0.90	Benzo(g,h,i)perylene	0.00001	N				
WS06	0.90	2 - chlorophenol	0.00001	N				
WS06	0.90	Vinyl chloride	0.00000	N				H220 test
WS06	0.90	Cis-1,2-dichloroethene	0.00000	N				H225 test
WS06	0.90	Trans -1, 2-dichloroethene	0.00000	N				H225 test
WS06	0.90	1,1,1,2-tetrachloroethane	0.00000	N				
WS06	0.90	1,1,2,2-tetrachloroethane	0.00000	N				
WS06	0.90	Hexachlorobutadiene	0.00000	N				
WS06	0.90	Trichloroethene	0.00000	N				
WS06	0.90	chlorobenzene	0.00000	N				H226 test
WS06	0.90	1,2 - dichlorobenzene	0.00000	N				
WS06	0.90	1,3 - dichlorobenzene	0.00000	N				
WS06	0.90	1,4 - dichlorobenzene	0.00000	N				
WS06	0.90	1,2,3 - trichlorobenzene	0.00000	N				
WS06	0.90	1,2,4 - trichlorobenzene	0.00000	N				
WS06	0.90	1,2,4 - trimethylbenzene	0.00000	N				H226 test
WS06	0.90	1,3,5 - trimethylbenzene	0.00000	N				H226 test
WS06	0.90	Aniline	0.00001	N				
WS06	0.90	Phenol	0.00002	N				
WS06	0.90	2,4 - dichlorophenol	0.00003	N				
WS06	0.90	2,4,6 - trichlorophenol	0.00001	N				
WS06	0.90	Methyl-tert-butyl ether	0.00000	N				H225 test
WS06	0.90	hydrocarbon/oil with marker	0.00100	N				H225 test
WS06	0.90	Arsenic	0.00092	N				
WS06	0.90	Boron	0.00139	N				
WS06	0.90	Cadmium	0.00004	N				
WS06	0.90	Hexavalent Chromium	0.00040	N				
WS06	0.90	Chromium (Total)	0.00146	N				
WS06	0.90	Copper	0.00276	N				
WS06	0.90	Lead	0.00190	N				
WS06	0.90	Mercury	0.00003	N				
WS06	0.90	Nickel	0.00316	N				
WS06	0.90	Selenium	0.00038	N				
WS06	0.90	Zinc	0.00000	N				
WS06	0.90	Zincx	0.01111	N				
WS06	0.90	Vanadium	0.00393	N				
WS06	0.90	Free Cyanide	0.00010	N				H224 test
TP02	0.20	pH	0.00000	N				
TP02	0.20	Benzene	0.00000	N				H225 test
TP02	0.20	Toluene	0.00000	N				H225 test
TP02	0.20	Ethylbenzene	0.00000	N				H225 test
TP02	0.20	m,p-xylene	0.00000	N				H226 test

Site Name	Wensley Road, Reading
Location	Berkshire, RG1 6DR
Site ID	GE18760
Job Number	GE18760
Date	3/25/2020
User Name	laura.legate@gesl.net
Company Name	Geo-Environmental Services Limited

Hole ID	Sample Depth	Contaminant	Contaminant Concentration (%)	Hazardous Waste Y/N	Hazard Property	Individual Hazard Statements Exceeded	Cumulative Hazard Statements Exceeded	Additional Hazard Statements (see notes section)
TP02	0.20	o-xylene	0.00000	N				H226 test
TP02	0.20	Naphthalene	0.00001	N				H228 test
TP02	0.20	Acenaphthylene	0.00001	N				
TP02	0.20	Acenaphthene	0.00001	N				
TP02	0.20	Fluorene	0.00001	N				
TP02	0.20	Phenanthrene	0.00001	N				
TP02	0.20	Anthracene	0.00001	N				
TP02	0.20	Fluoranthene	0.00001	N				
TP02	0.20	Pyrene	0.00001	N				
TP02	0.20	Benzo(a)anthracene	0.00001	N				
TP02	0.20	Chrysene	0.00001	N				
TP02	0.20	Benzo(b)fluoranthene	0.00001	N				
TP02	0.20	Benzo(k)fluoranthene	0.00001	N				
TP02	0.20	Benzo(a)pyrene	0.00001	N				
TP02	0.20	Indeno(1,2,3-cd)pyrene	0.00001	N				
TP02	0.20	Di-benz(a,h)anthracene	0.00001	N				
TP02	0.20	Benzo(g,h,i)perylene	0.00001	N				
TP02	0.20	Methyl-tert-butyl ether	0.00000	N				H225 test
TP02	0.20	hydrocarbon/oil with marker	0.00100	N				H225 test
TP02	0.20	Arsenic	0.00127	N				
TP02	0.20	Boron	0.00208	N				
TP02	0.20	Cadmium	0.00004	N				
TP02	0.20	Hexavalent Chromium	0.00040	N				
TP02	0.20	Chromium (Total)	0.00175	N				
TP02	0.20	Copper	0.00301	N				
TP02	0.20	Lead	0.00320	N				
TP02	0.20	Mercury	0.00003	N				
TP02	0.20	Nickel	0.00343	N				
TP02	0.20	Selenium	0.00038	N				
TP02	0.20	Zinc	0.00000	N				
TP02	0.20	Zincx	0.01309	N				
TP02	0.20	Vanadium	0.00482	N				
TP02	0.20	Free Cyanide	0.00010	N				H224 test

Notes - Additional Information on Hazard Properties

Hazardous Property	Description	Hazard Statement	Note
HP1	Explosive	H200, H201, H202, H203, H204, H240 and H241	A waste is assessed for HP1 via test methods, rather than a concentration limit. If you have substances or a mixture containing explosive properties the waste should be tested in accordance with the European Chemical Agency's guidance on the application of the CLP Criteria.
HP2	Oxidising	H270, H271, H272	A waste is assessed for HP2 via test methods, rather than a concentration limit. If you have substances or a mixture containing oxidising properties the waste should be tested in accordance with the European Chemical Agency's guidance on the application of the CLP Criteria.
HP3	Flammable	H220 to H226, H228, H242, H250, H251m H252, H260, H261	A waste is assessed for HP3 via test methods, rather than a concentration limit. If you have substances or a mixture containing flammable properties the waste should be tested in accordance with the European Chemical Agency's guidance on the application of the CLP Criteria. If a waste contains either H220, H221, H260 or H261 a calculation can be performed to identify the minimum amount of that substance that will trigger HP3.
HP5	Specific Target Organ Toxicity (STOT)	H304	Should a waste contain two or more compounds displaying H304 (Asp. Tox 1) and equal or exceed its specific concentration limit of 10%, then a waste will be hazardous by HP5 if its kinematic viscosity exceeds 20.5 mm ² /s. Guidance should be sought from the CLP Criteria.
HP9	Infectious	N/A	A waste is assessed for HP9 via further testing, rather than a concentration limit. In cases where there is the potential for toxins to be present, further testing will be required. For healthcare waste reference should be made to the Department of health guidance: Safe management of healthcare waste.
HP12	Release of acute toxic gas	EUH029, EUH031, EUH032, H260 or H261	A waste is assessed for HP12 via test methods, rather than a concentration limit. If you have substances or a mixture that may release acute toxic gas the waste should be tested in accordance with the European Chemical Agency's guidance on the application of the CLP Criteria.
HP15	Explosive or explosive properties	H205, EUH001, EUH019 or EUH044	A waste is assessed for HP15 via test methods, rather than a concentration limit. If you have substances or a mixture that may exhibit explosive or explosive properties the waste should be tested in accordance with the European Chemical Agency's guidance on the application of the CLP Criteria.
HP16	Persistent organic pollutants	N/A	A waste is considered hazardous if the concentration of one or more compound (persistent organic pollutant) as listed in Appendix C of Environment Agency guidance WM3 is above its assigned concentration limit. For reference for dioxins and furans, this assessment incorporates the use of specific toxicity equivalent factors.