

General

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

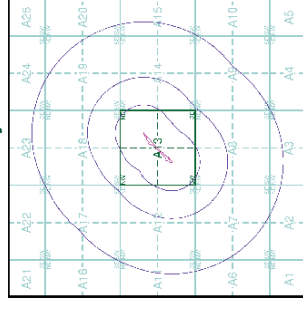
Urban Soil Chemistry Arsenic

● BGS Urban Soil Chemistry Measured Concentration Values (mg/kg)

Arsenic Concentrations mg/kg



Urban Soil Chemistry Arsenic - Slice A

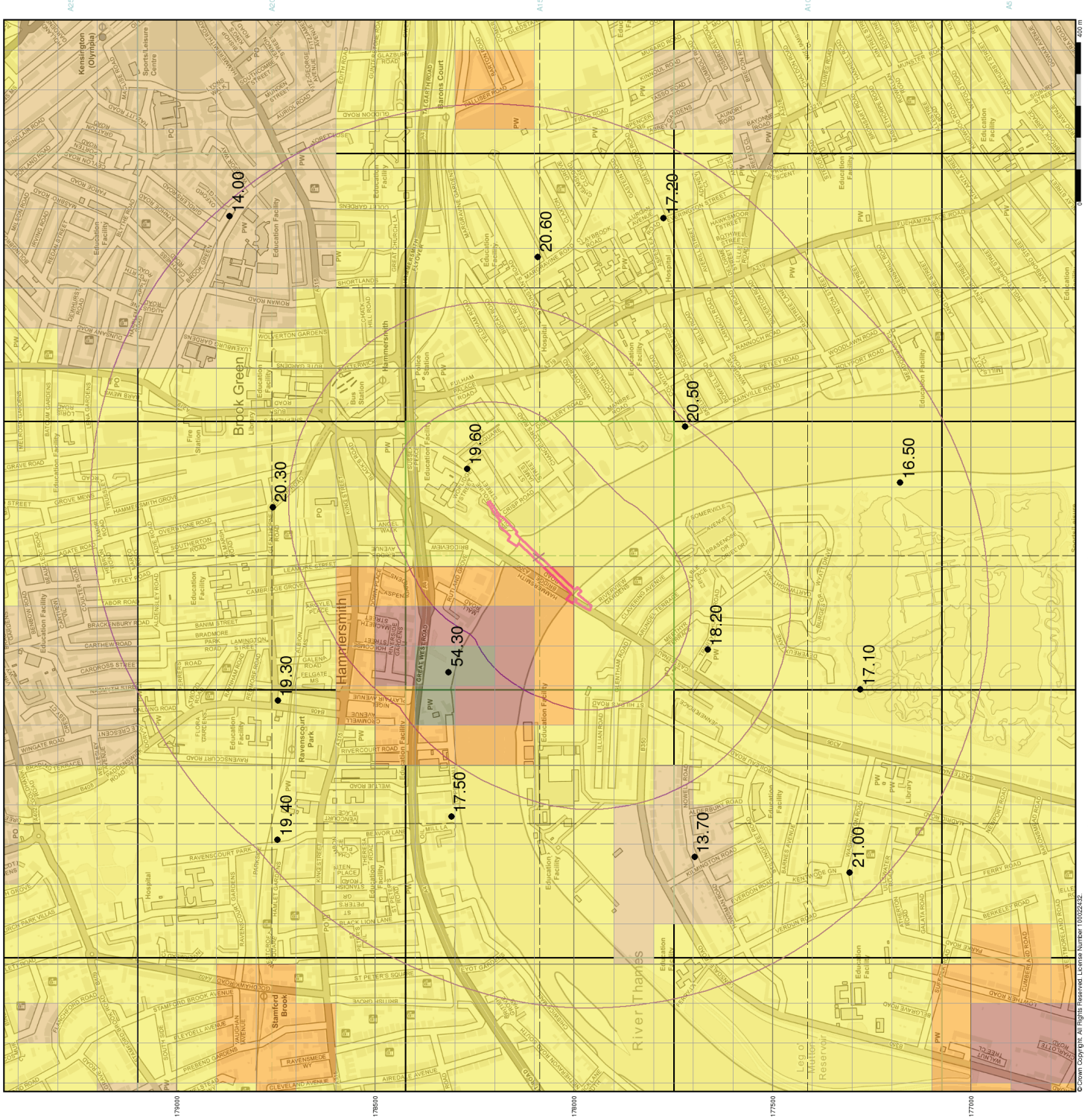


Order Details

Order Details: 242049826_1_1
 Customer Ref: 102963 HTB_JB
 National Grid Reference: 523020, 178090
 Slice: A
 Site Area (Ha): 0.57
 Search Buffer (m): 1000

Site Details

Hammersmith Temporary Bridge, Hammersmith, London, W6 9PF



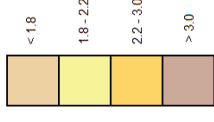
General

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

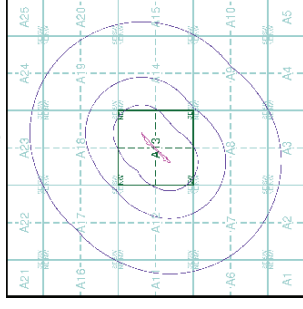
Urban Soil Chemistry Cadmium

- BGS Urban Soil Chemistry Measured Concentration Values (mg/kg)

Cadmium Concentrations mg/kg



Urban Soil Chemistry Cadmium - Slice A

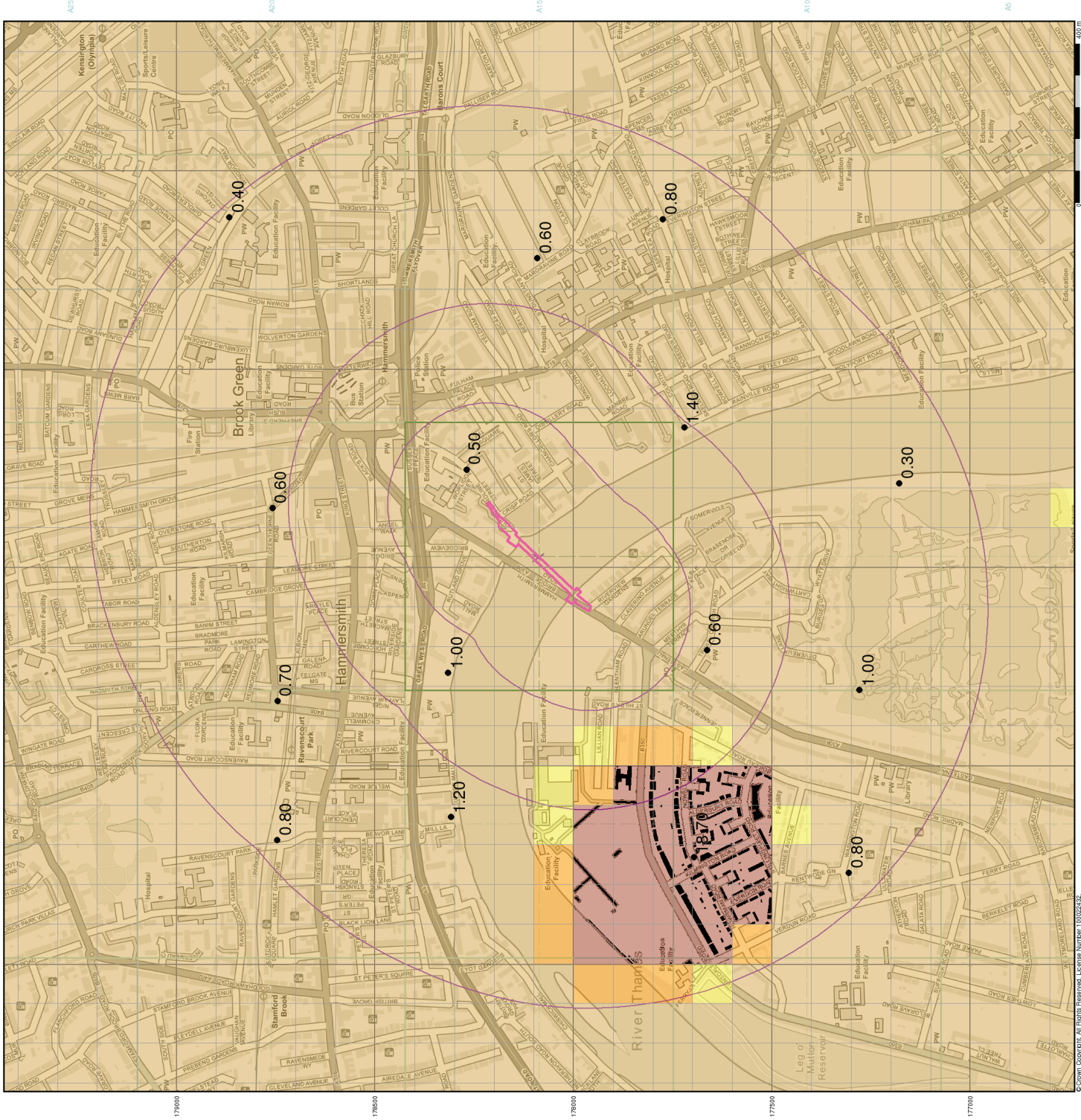


Order Details

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 Site: A
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General

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- Bearing Reference Point

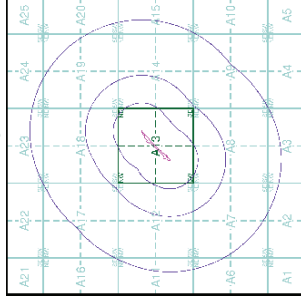
Urban Soil Chemistry Chromium

- BGS Urban Soil Chemistry Measured Concentration Values (mg/kg)

Chromium Concentrations mg/kg



Urban Soil Chemistry Chromium - Slice A

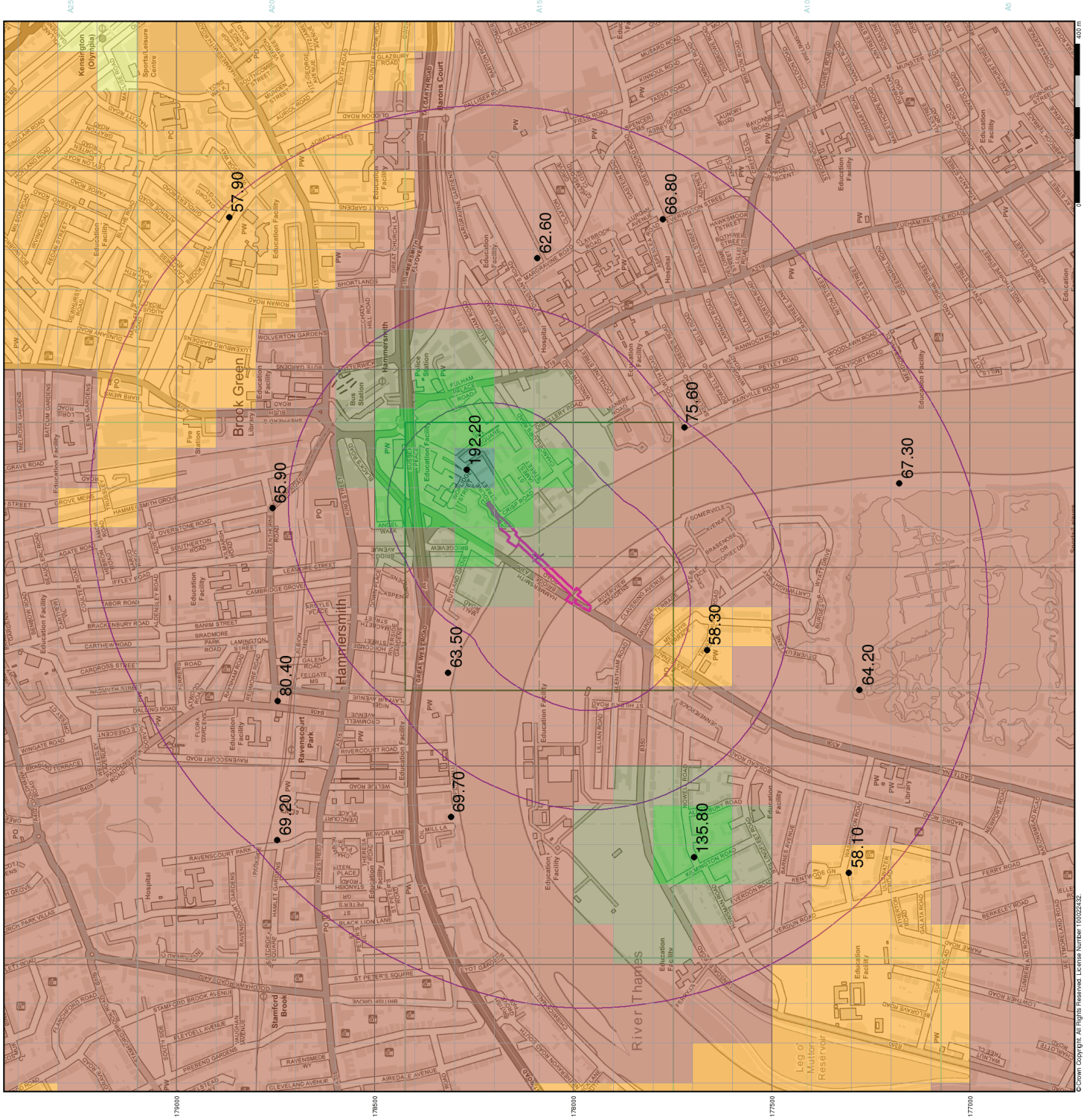


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 Site Area (Ha): 0.57
 Search Buffer (m): 1000

Site Details

Hammersmith Temporary Bridge, Hammersmith, London, W6 9PF



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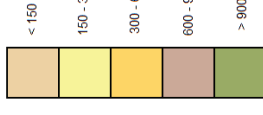
General

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

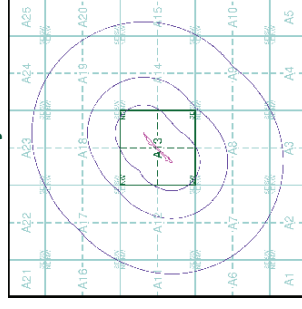
Urban Soil Chemistry Lead

- BGS Urban Soil Chemistry Measured Concentration Values (mg/kg)

Lead Concentrations mg/kg



Urban Soil Chemistry Lead - Slice A

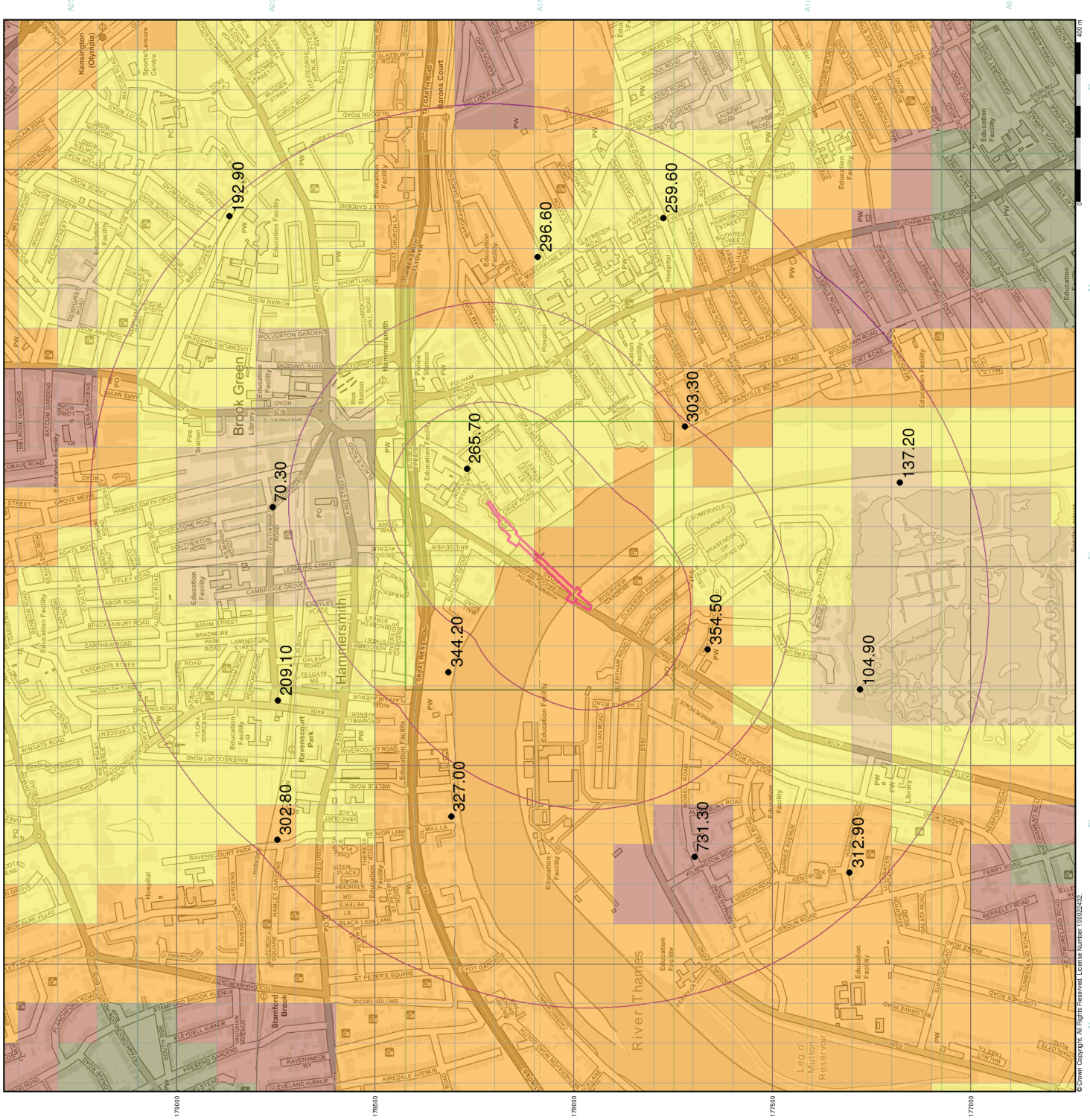


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Site Details

Hammersmith Temporary Bridge, Hammersmith, London, W6 9PF



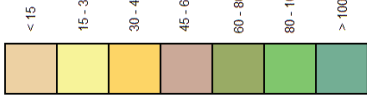
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General

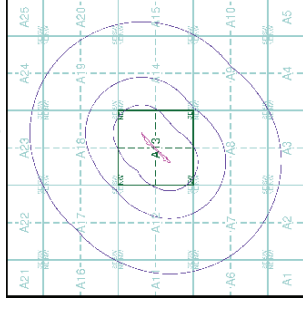
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Urban Soil Chemistry Nickel

- BGS Urban Soil Chemistry Measured Concentration Values (mg/kg) Nickel Concentrations mg/kg



Urban Soil Chemistry Nickel - Slice A

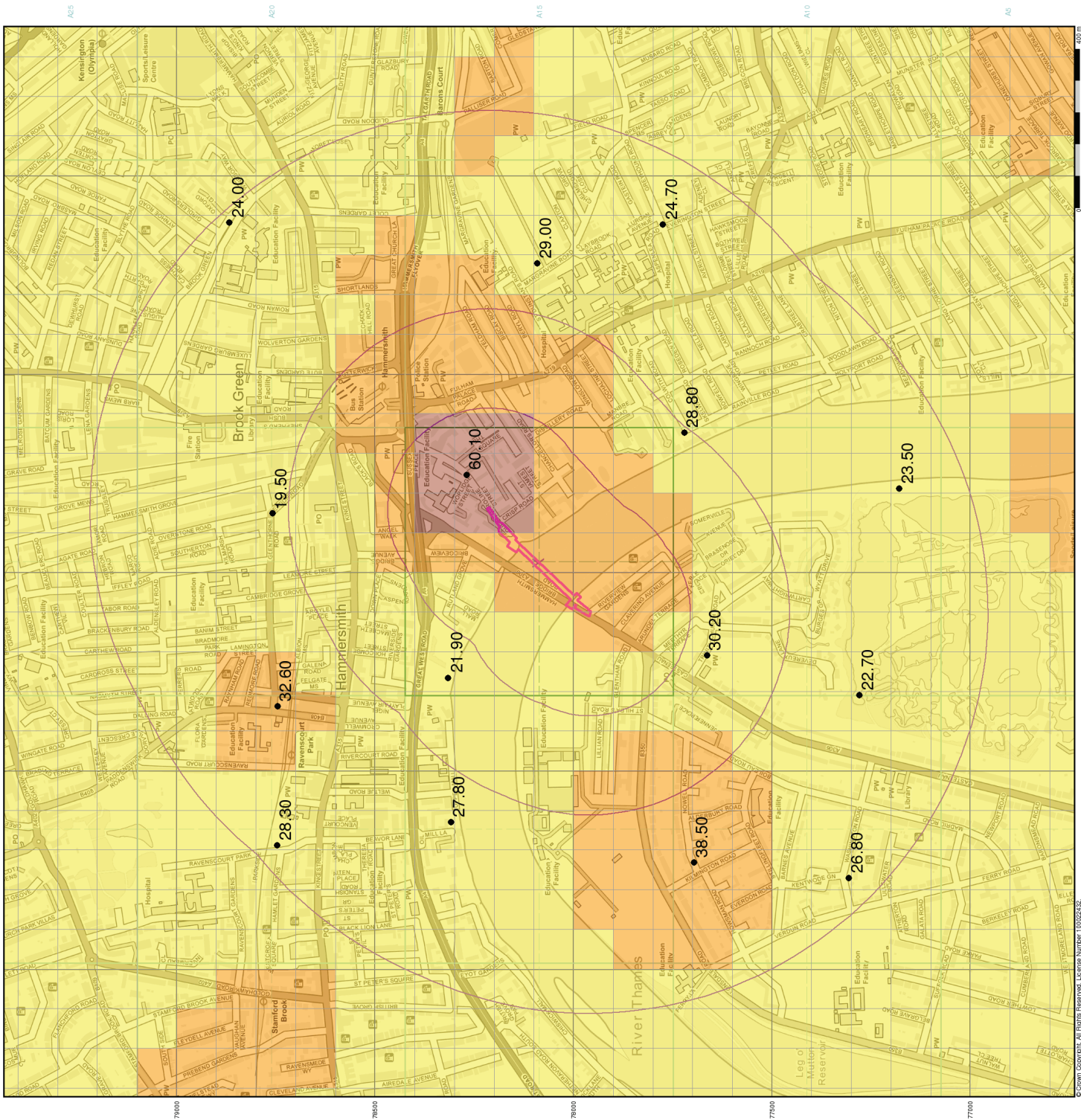


Order Details

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 Customer Ref: 102963 HTB_JB
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 Search Buffer (m): 1000

Site Details

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Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	MGR	Made Ground (Undivided)	Artificial Deposit	Not Supplied - Holocene
	WGR	Worked Ground (Undivided)	Void	Not Supplied - Holocene
	WMGR	Infilled Ground	Artificial Deposit	Not Supplied - Holocene

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand And Peat	Not Supplied - Holocene
	KPGR	KEMPTON PARK GRAVEL MEMBER	Sand and Gravel	Not Supplied - Devensian
	LASI	Langley Silt Member	Clay and Silt	Not Supplied - Devensian
	TPGR	TAPLOW GRAVEL MEMBER	Sand and Gravel	Not Supplied - Wolstonian
	LHGR	Lynch Hill Gravel Member	Sand and Gravel	Not Supplied - Wolstonian
	BHT	Boyn Hill Gravel Member	Sand and Gravel	Not Supplied - Hoxnian

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	LC	London Clay Formation	Clay and Silt	Not Supplied - Ypresian

Geology 1:50,000 Maps

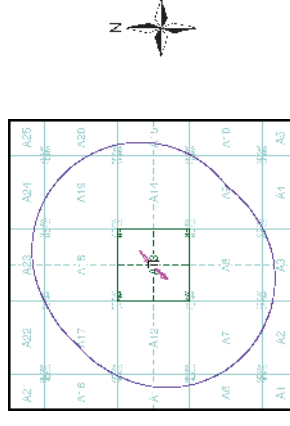
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology, are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID:	270
Map Name:	South London
Map Date:	1998
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Available
Faults:	Not Supplied
Landslip:	Available
Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice A



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Artificial Ground and Landslip

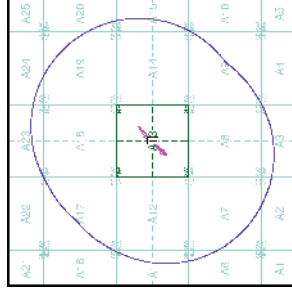
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- In-filled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes rounded strata, where the ground has collapsed due to subsidence.

Artificial Ground and Landslip Map - Slice A

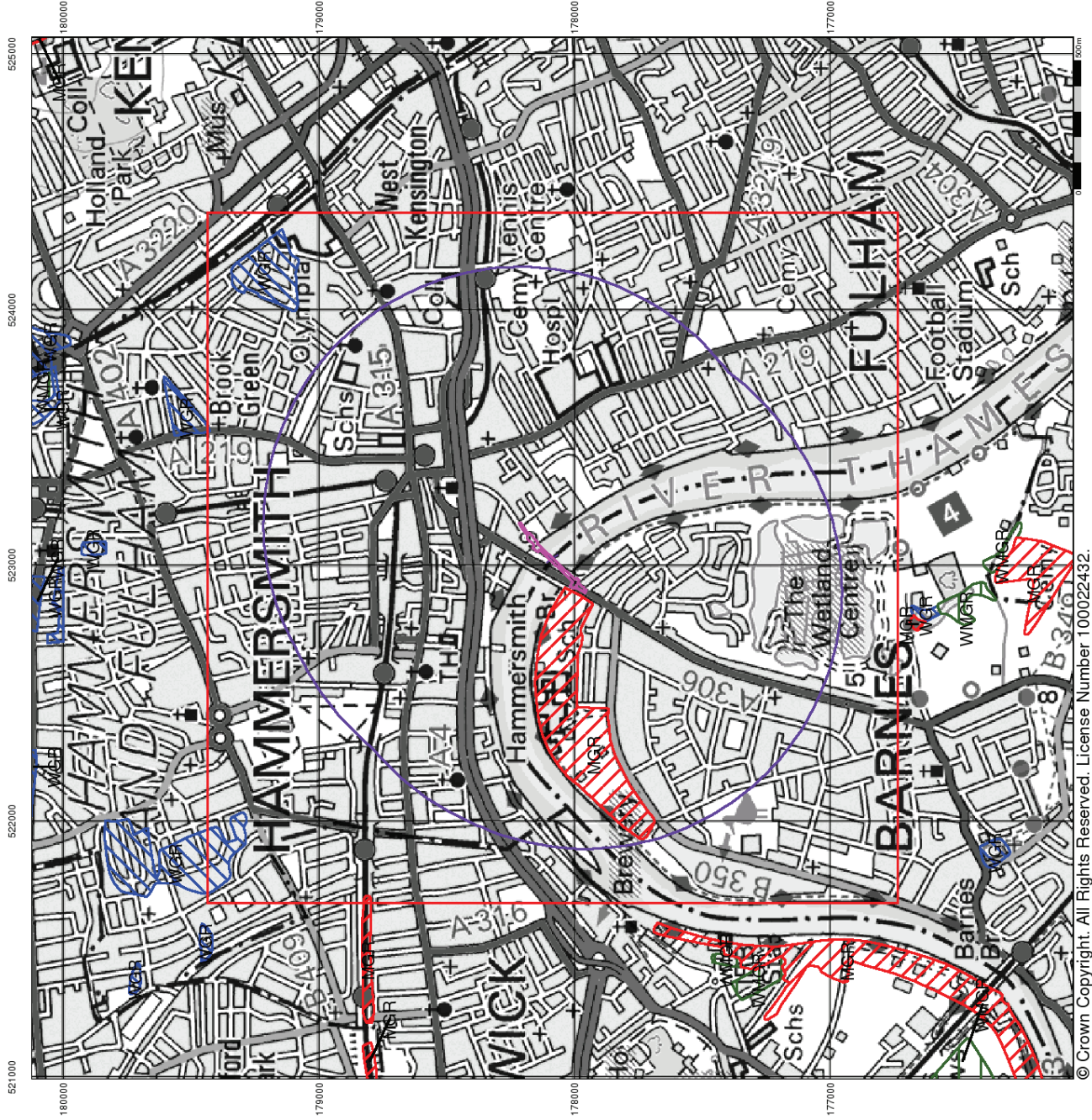


Order Details:

Order Number: 242049826 1 1
 Customer Reference: 102963 HTB JB
 National Grid Reference: 523020, 178090
 Slice: A
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 Search Buffer (m): 1000

Site Details:

Hammersmith Temporary Bridge, Hammersmith, London, W6 9PF



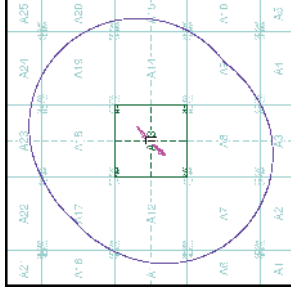
Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

Superficial Geology Map - Slice A

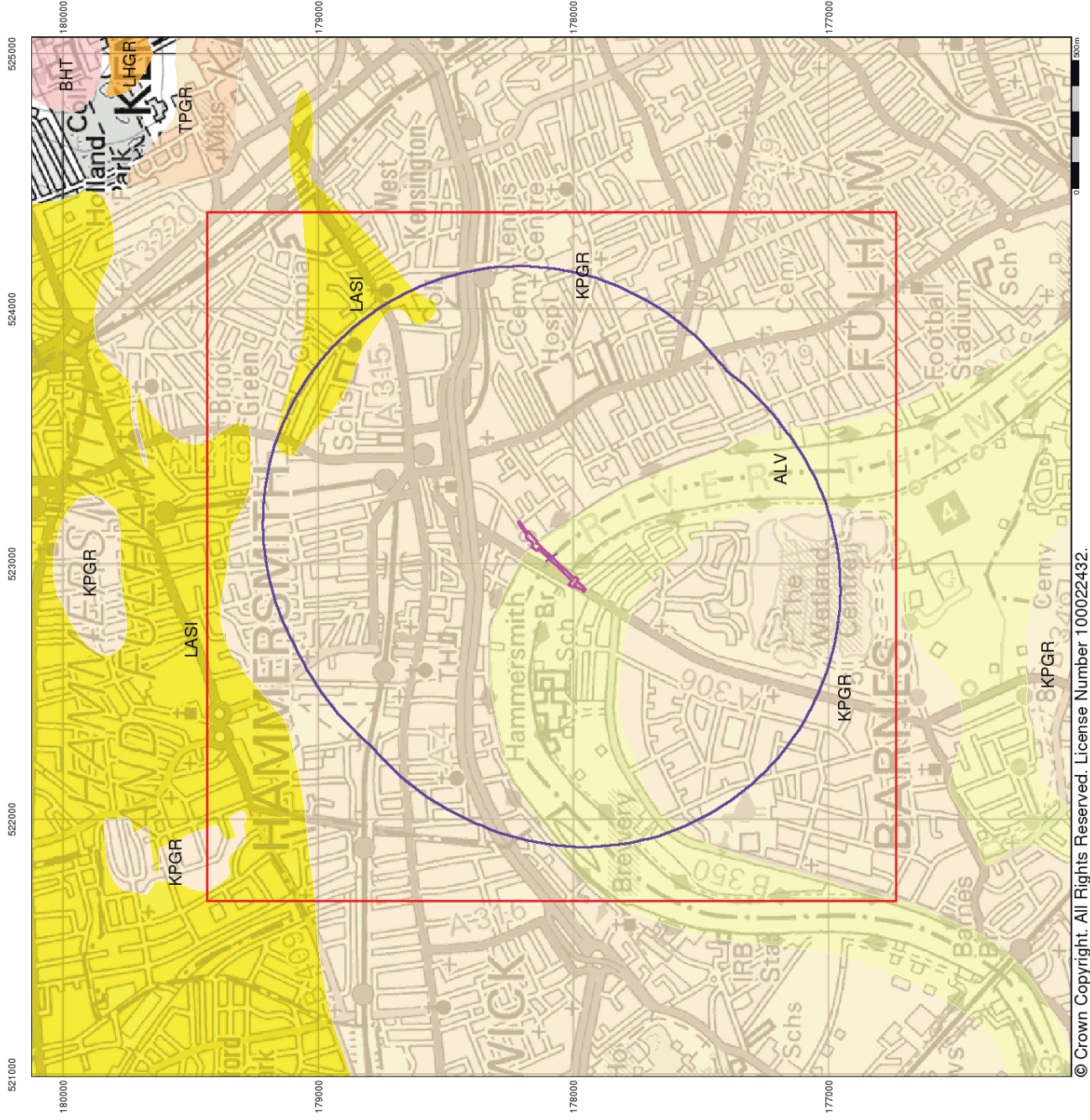


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Site Details:

Hammersmith Temporary Bridge, Hammersmith, London, W6 9PF



Bedrock and Faults

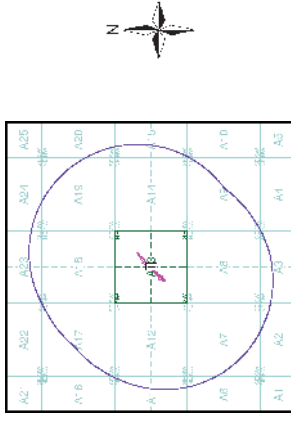
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

Bedrock and Faults Map - Slice A

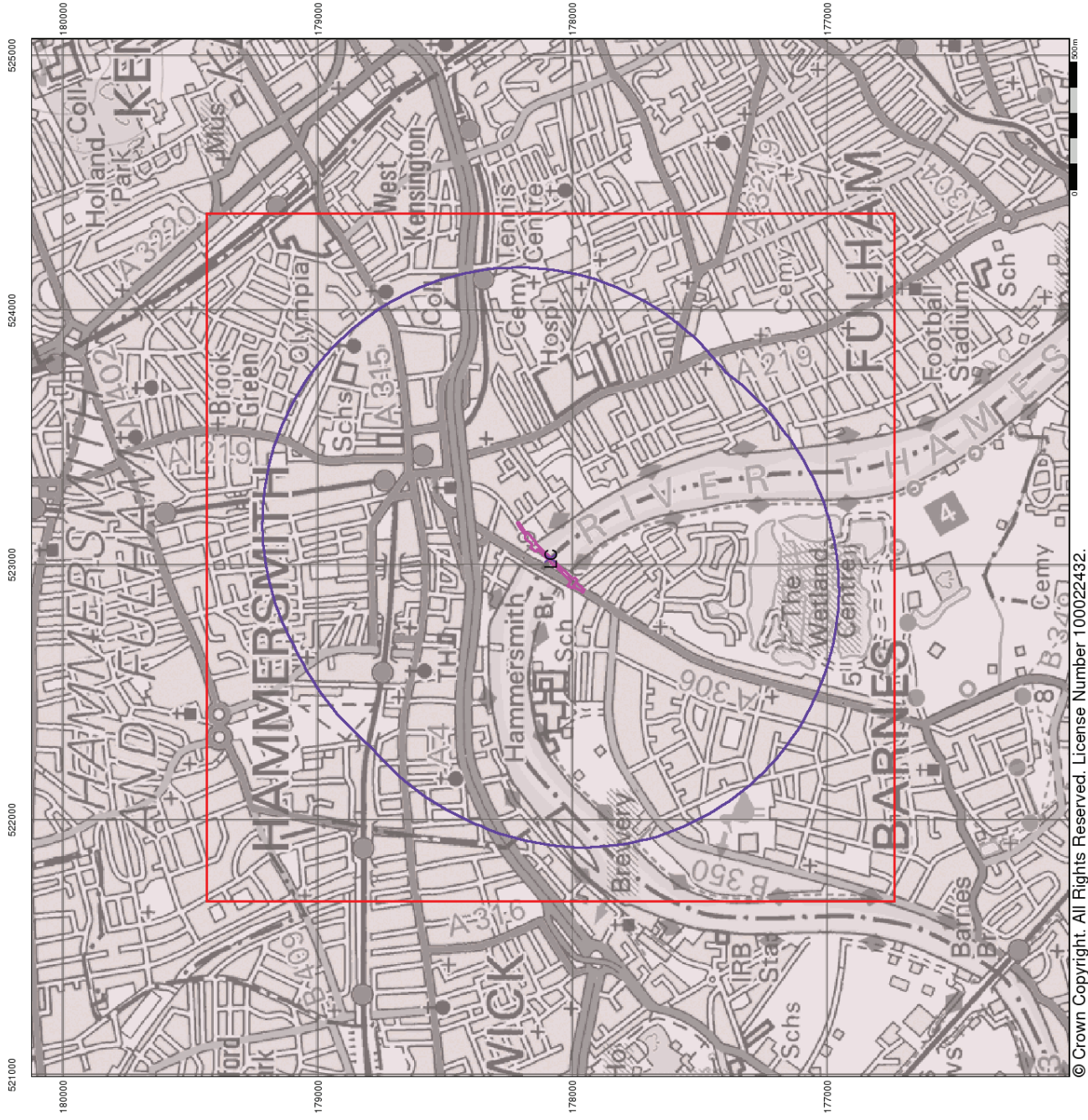


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 Slice: A
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Site Details:

Hammersmith Temporary Bridge, Hammersmith, London, W6 9PF



Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

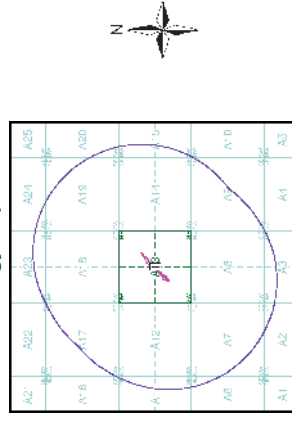
Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the "BGS Lexicon of Named Rock Units". This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

British Geological Survey
 Kingsley Dunham Centre
 Keyworth
 Nottingham
 NG12 5GG
 Telephone: 0115 936 3143
 Fax: 0115 936 3276
 email: enquiries@bgs.ac.uk
 website: www.bgs.ac.uk

Combined Geology Map - Slice A

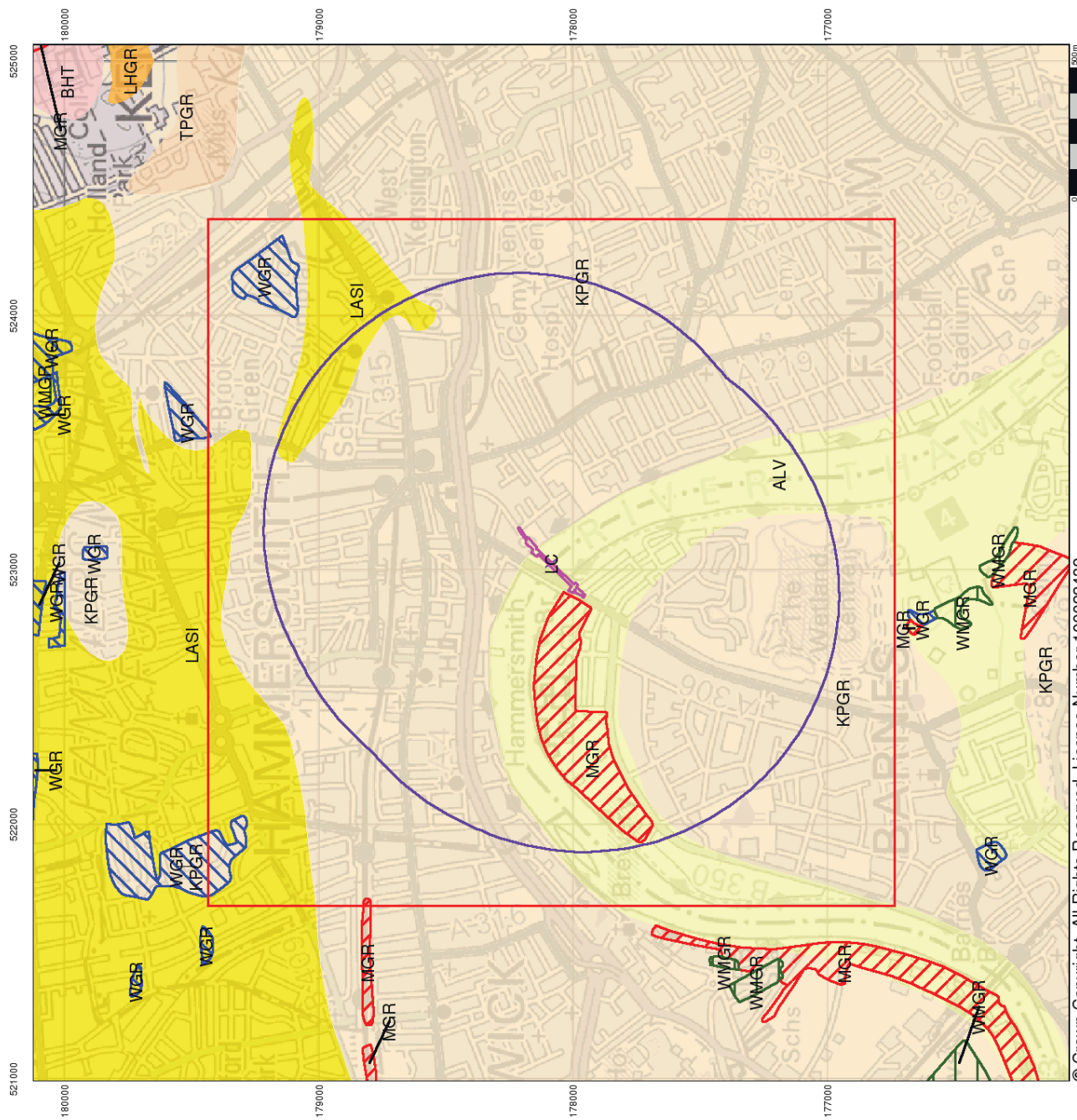


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 National Grid Reference: 523020, 178090
 Slice: A
 Site Area (Ha): 0.57
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Site Details:

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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

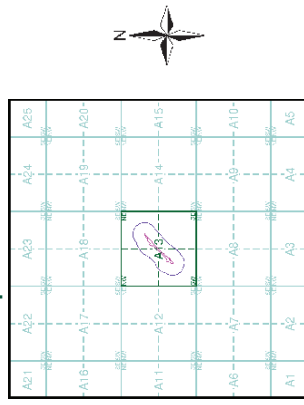
Ordnance Survey Plan 1:10,000

1:10,000 Raster Mapping

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pq
Middlesex	1:10,560	1873 - 1874	3
Surrey	1:10,560	1874	4
London	1:10,560	1896	5
Surrey	1:10,560	1898	6
London	1:10,560	1920	7
Surrey	1:10,560	1933	9
London	1:10,560	1933	10
London	1:10,560	1938	11
London	1:10,560	1940	12
Historical Aerial Photography	1:10,560	1948	13
Historical Aerial Photography	1:10,560	1948	14
Ordnance Survey Plan	1:10,000	1958	15
Ordnance Survey Plan	1:10,000	1962	16
Ordnance Survey Plan	1:10,000	1967	17
Ordnance Survey Plan	1:10,000	1976	18
Ordnance Survey Plan	1:25,000	1985	19
Ordnance Survey Plan	1:10,000	1988	20
10K Raster Mapping	1:10,000	1999	21
10K Raster Mapping	1:10,000	2006	22
VectorMap Local	1:10,000	2020	23

Historical Map - Slice A



Order Details

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Site Details

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

a. Not drawn to scale b. Drawn to scale

	Government and Administrative Buildings		Military and Industrial Buildings
	Military and Communication Areas		Subway Entrance
	Fireproof Building		Prominent Fireproof Building
	Non-fireproof Building (non-dwelling)		Factory, mill, and flour mill, without chimneys
	Power Station, drawn to scale		Telephone Station, drawn to scale
	Abandoned Open-pit Mine or Quarry		Open-pit Salt Mine
	Oil Deposit or Well		Oil Seepage
	Fuel Storage Tanks		Natural Gas Tank
	Drill Hole		Triangulation Point on Burial Mound
	Bench Mark		Single-track Railroad
	Tunnels		Double-track Railroad Building
	Confirous Forest		Deciduous Forest
	Mixed Forest		Scattered Vegetation
	Citrus Orchard		Wet Ground

Values for prominent elevations
Numbers for spot elevations, depth soundings, contour lines, etc.

0.2 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)	И и (I)	П п (P)	Ч ч (CH)
Б б (B)	Й й (Y)	К к (K)	Р р (R)	Ш ш (SH)
В в (V)	Л л (L)	М м (M)	С с (S)	Щ щ (SHCH)
Г г (G)	Н н (N)	О о (O)	Т т (T)	Ъ ъ (-)
Д д (D)	Р р (R)	У у (U)	Ф ф (F)	Ы ы (Y)
Е е (E)	С с (S)	Х х (KH)	Ц ц (TS)	Ь ь (')
Ё ё (YO)	Т т (T)	Ю ю (YU or IU)	Ч ч (CH)	Я я (YA or IA)
Ж ж (ZH)	У у (U)	Я я (YA or IA)	Ш ш (SH)	

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

	Government and Administrative Buildings		Military and Industrial Buildings
	Military and Communication Areas		Subway Entrance
	Partly Demolished Buildings		Demolished Buildings
	Built-Up Area with Fireproof Buildings Predominant		Built-Up Area with Non-Fireproof Buildings Predominant
	Individual Fireproof Building		Prominent Industrial Building
	Individual Dwelling		Ruins of an Individual Dwelling
	Factory or Mill with Chimney		Mine or Open Pit Mine
	Non-Operating Shaft or Mine		Salt Mine
	Pit		Fuel Storage or Service Station
	Oil or Natural Gas Derrick		Transformer Station
	Cemetery		Triangulation Point on Burial Mound
	Bench Mark		Telephone Office
	Radio Station		Airfield or Seaplane Base
	Cut		Width of Road
	Small Bridge		Steep Grade
	Double-track Railroad with First Class Station		Improved Dirt Road (former tuck road)
	Shore Embankment		Dismantled Railroad
	Water Reservoir or Rain Water Pit		Railroad Under Construction
	Well		Water Gauge
	Heavy (Index) Contour Line		Direction and velocity of current
	Contour Line and Value		Water Level Mark
	Deciduous		Isobath with value
	Coniferous		Spring
			Half Contour Line
			Spot Elevation Value
			Mixed
			Scrub

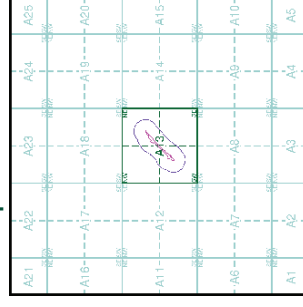
Key to Numbers on Mapping

TQ27_London		
No.	Description	Pg.
289	Water Works	

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg.
Middlesex	1:10,560	1873 - 1874	3
Surrey	1:10,560	1874	4
London	1:10,560	1896	5
Surrey	1:10,560	1898	6
London	1:10,560	1920	8
Surrey	1:10,560	1933	9
London	1:10,560	1933	10
London	1:10,560	1938	11
Ordnance Survey Plan	1:10,000	1940	12
Historical Aerial Photography	1:10,560	1948	13
Ordnance Survey Plan	1:10,000	1948	14
Ordnance Survey Plan	1:10,000	1962	15
Ordnance Survey Plan	1:10,000	1967	16
Ordnance Survey Plan	1:10,000	1976	18
Ordnance Survey Plan	1:25,000	1985	19
Ordnance Survey Plan	1:10,000	1988	20
10K Raster Mapping	1:10,000	1999	21
VectorMap Local	1:10,000	2006	22
	1:10,000	2020	23

Russian Map - Slice A



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Site Details

Hammersmith Temporary Bridge, Hammersmith, London, W6 9PF

Middlesex

Published 1873 - 1874

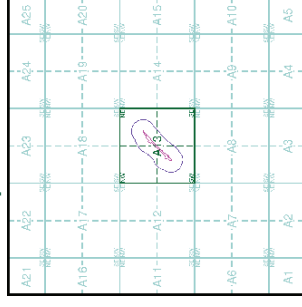
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the Ordnance Survey, which were adopted for England, Wales and Scotland in the 1940's. In 1854 the OS adopted the Cassini Projection for its published maps. These maps are used to update the 1:10,560 maps. The published date is then therefore 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 cutting 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)

01800	1874	1:10,560
02100	1873	1:10,560

Historical Map - Slice A



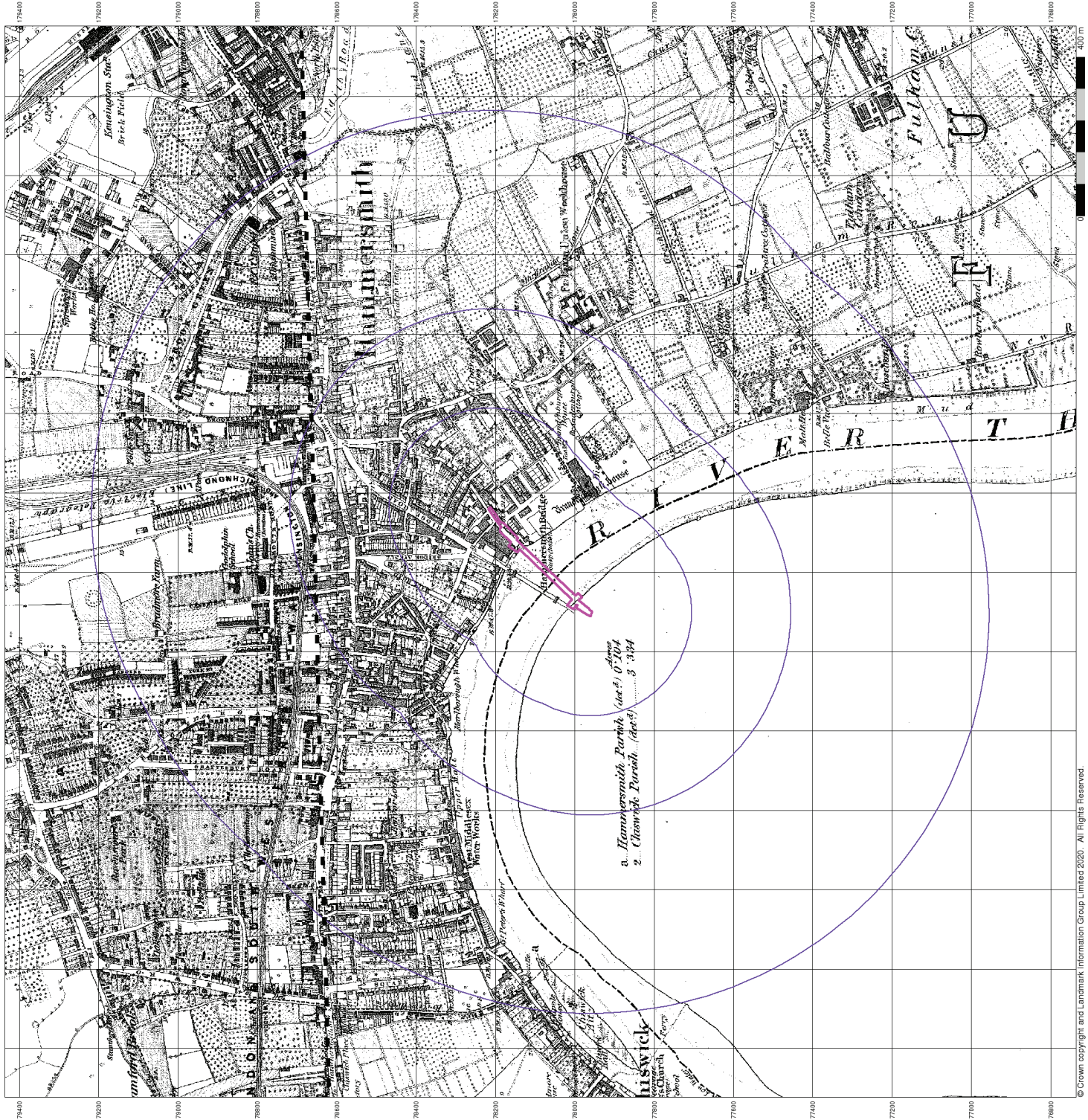
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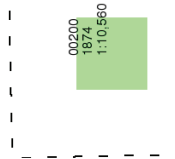
Surrey

Published 1874

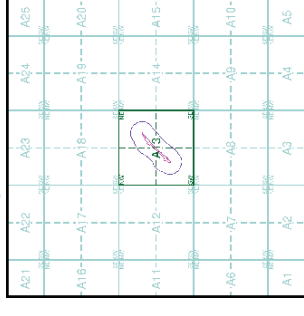
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the Ordnance Survey, Warley and Scotland in the 1940's. In 1864 the Ordnance Survey adopted the Cassini Projection, the maps were used to update the 1:10,560 maps. The published date is then therefore 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



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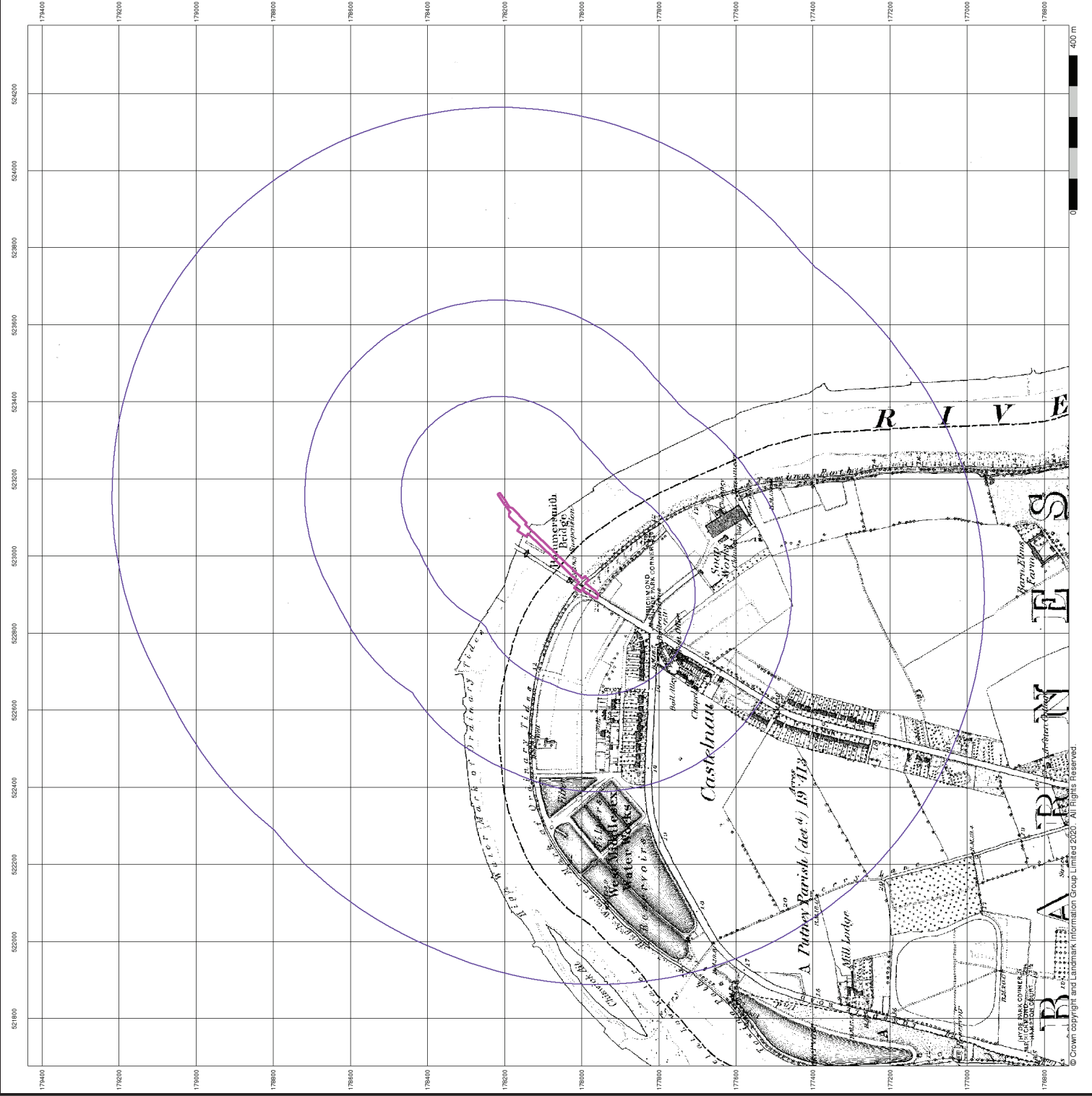
Site Area (Ha): 0.57
 Search Buffer (m): 1000

Site Details

Hammersmith Temporary Bridge, Hammersmith, London, W6 9PF



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



London

Published 1896

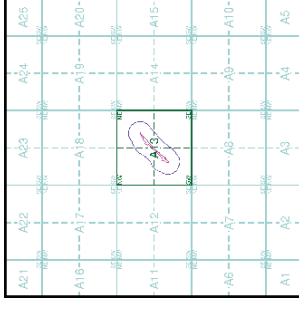
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at a scale adopted for England, Wales and Scotland in the 1840's. In 1854 the Ordnance Survey published the first 1:10,560 maps. These maps are used to update the 1:10,560 maps. The published date is then therefore often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys in outlying 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)

006SW	006SE
1896	1896
1:10,560	1:10,560
010NW	010NE
1896	1896
1:10,560	1:10,560

Historical Map - Slice A



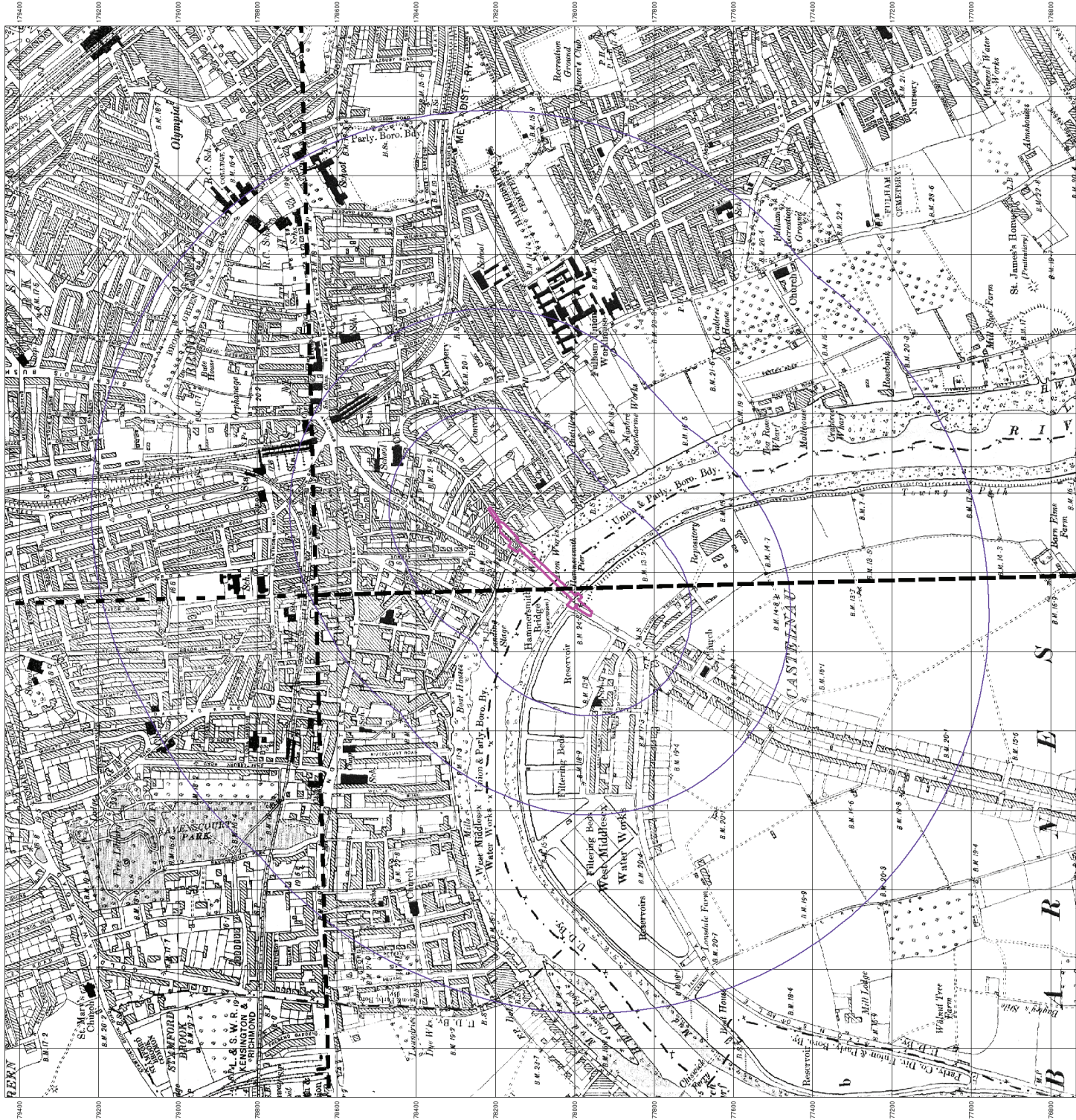
Order Details

Order Number: 242049826_1_1
 Customer Ref: 102963 HTB JB
 National Grid Reference: 523020, 178090

Slice: A
 Site Area (Ha): 0.57
 Search Buffer (m): 1000

Site Details

Hammersmith Temporary Bridge, Hammersmith, London, W6 9PF



Surrey

Published 1898

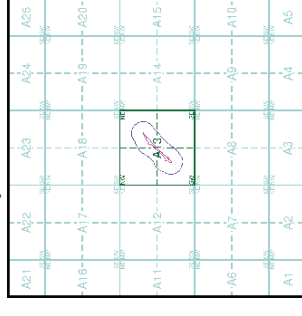
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the Ordnance Survey, which were adopted for England, Wales and Scotland in the 1840's. In 1854 the Ordnance Survey began to publish urban maps, which were used to update the 1:10,560 maps. The published data from these maps are 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)

003SW	002SE
1868	1898
1:10,560	1:10,560

Historical Map - Slice A



Order Details

Order Number: 242049826_1_1
 Customer Ref: 102963 HTB JB
 National Grid Reference: 523020, 178090

Site Details

Site Area (Ha): 0.57
 Search Buffer (m): 1000

Site Details

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