

**Geotechnical & Geo-environmental Site
Investigation Report:**

Proposed Residential Development,
Coverack Road
Newport
NP19 0DR

Prepared For:
Jehu Project Services

June 2018

Job No: 14614




terrafirma

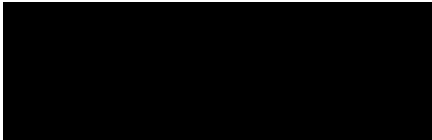
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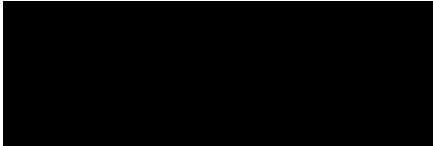
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Executive Summary

Site Location	<i>The site, 0.52 hectares in area and irregular in shape, locates off Coverack Road adjacent to the River Usk in Newport, and is centred on a National Grid Reference of 331950 187810.</i>
Site History	<i>Historically, the site first became occupied in 1901 when a tramline was constructed through the site. Use of the site for road haulage is recorded between 1922 and 1964, though two minor tram lines also serviced the site at this time. Between 1937 and 1994 the site was in use as an electrical storage depot, which in 1994 was converted to 17 commercial/industrial units. The tram lines were disused by 1965.</i>
Ground Conditions	<i>Variable made ground was confirmed to be present to a depth of between 4.3m and 5.4m. This is underlain by very soft estuarine alluvium to 14.3m/14.8m, below which fluvial sand and gravel deposits prevail. Sandstone bedrock was confirmed at a depth of between 20.2m and 20.7m depth.</i>
Radon	<i>No radon protection is required for the new development.</i>
Laboratory Chemical Testing	<i>Site soils were found to be contaminated by arsenic, lead, copper, several PAHS, aliphatic petroleum hydrocarbon C10 – C12 and numerous VOCs or SVOCs were present at levels above laboratory detection limits. Minor elevated levels of leachable lead and several PAHS were identified in soils. Minor exceedences of copper and zinc were recorded in groundwater.</i>
Recommended Remediation Measures	<i>Any new landscaped or communal garden areas should be capped with 600mm of clean imported soils upon development. Any imported soils should be validated as clean and suitable for use in accordance with 'Requirements for the Chemical testing of Imported Soils for Various End Uses and Validation Cover Systems'.</i> <i>Gas protection has been confirmed necessary for all new buildings. All gas protection should be appropriately designed to protect against potential vapours. A barrier such as Visqueen Ultimate VOC Blok is recommended.</i> <i>For proposed new supply water pipes, the UK Water Industry Research publication 'Guidance for the Selection of Water Supply Pipes to be used in Brownfield Sites (Report 10/WM/03/21)' should be consulted.</i> <i>Groundwater testing has identified minor exceedences of copper and zinc. It is therefore recommended that two further groundwater monitoring rounds are completed in accordance with NRW best practice. Further assessment may then be performed and any necessary remedial measures recommended.</i>
Gas Protection	<i>In-situ gas monitoring to date has confirmed that gas protection will be required.</i>
Foundation Recommendations	<i>A driven pre-cast reinforced concrete piled foundation would be appropriate for the new development.</i> <i>The piles should be founded within the underlying sandstone bedrock. Based on the site investigation information, pile lengths should vary between approximately 23m and 24.5m below proposed slab level.</i> <i>For a 275mm square pre-cast reinforced concrete pile a safe working load of typically 500kN should be achievable.</i> <i>The floor slabs should be designed as suspended.</i>

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SECTION 1 Introduction and Proposed Development

1.1 Introduction

Jehu Project Services is proposing the residential development of an area of land off Coverack Road, Newport. This is to comprise two apartment blocks with communal landscaping and on-site parking.

Terra Firma (Wales) Limited has been commissioned to undertake a geo-environmental assessment and geotechnical investigation of the site.

The main objectives of the geoenvironmental assessment programme were to:

- Investigate the potential environmental liabilities at the site associated with any soil contamination
- Provide a summary of the environmental conditions at the site, together with any necessary further intrusive works and / or remediation works to render the site fit for its intended use

The main objectives of the geotechnical site investigation were to:

- Determine the type, strength and bearing characteristics of the shallow superficial and underlying solid geology
- Provide engineering foundation and floor slab recommendations for the development
- Provide recommendations with regard to any other geotechnical aspects pertaining to the development

In order to achieve the above objectives, Terra Firma (Wales) Limited carried out an assessment programme including a review of existing data, followed by a field investigation to collect geotechnical and environmental data from selected locations.

1.2 Limitations and Exceptions of Investigation

Jehu Project Services has requested that a Geo-environmental Site Assessment (GSA) and Geotechnical Investigation (GI) be performed in order to determine if contamination is present beneath the site and to determine an appropriate foundation and floor slab solution for the proposed development.

The GSA and GI were conducted and this report has been prepared for the sole internal reliance of Jehu Project Services and its design and construction team. This report shall not be relied upon or transferred to any other parties without the express written authorisation of Terra Firma (Wales) Limited. If an unauthorised third party comes into possession of this report they rely on it at their peril and the authors owe them no duty of care and skill. The report represents the findings and opinions of experienced geo-environmental and geotechnical consultants. Terra Firma (Wales) Limited does not provide legal advice and the advice of lawyers may be required.

The subsurface geological profiles, any contamination and other plots are generalised by necessity and have been based on the information found at the locations of the exploratory holes and depths sampled and tested.

SECTION 2 Review of Existing Data

2.1 Physical Setting and Current Site Use

The site, 0.52 hectares in area and irregular in shape, locates off Coverack Road adjacent to the River Usk in Newport, and is centred on a National Grid Reference of 331950 187810.

A site location plan is provided in **Figure 2.1** below.

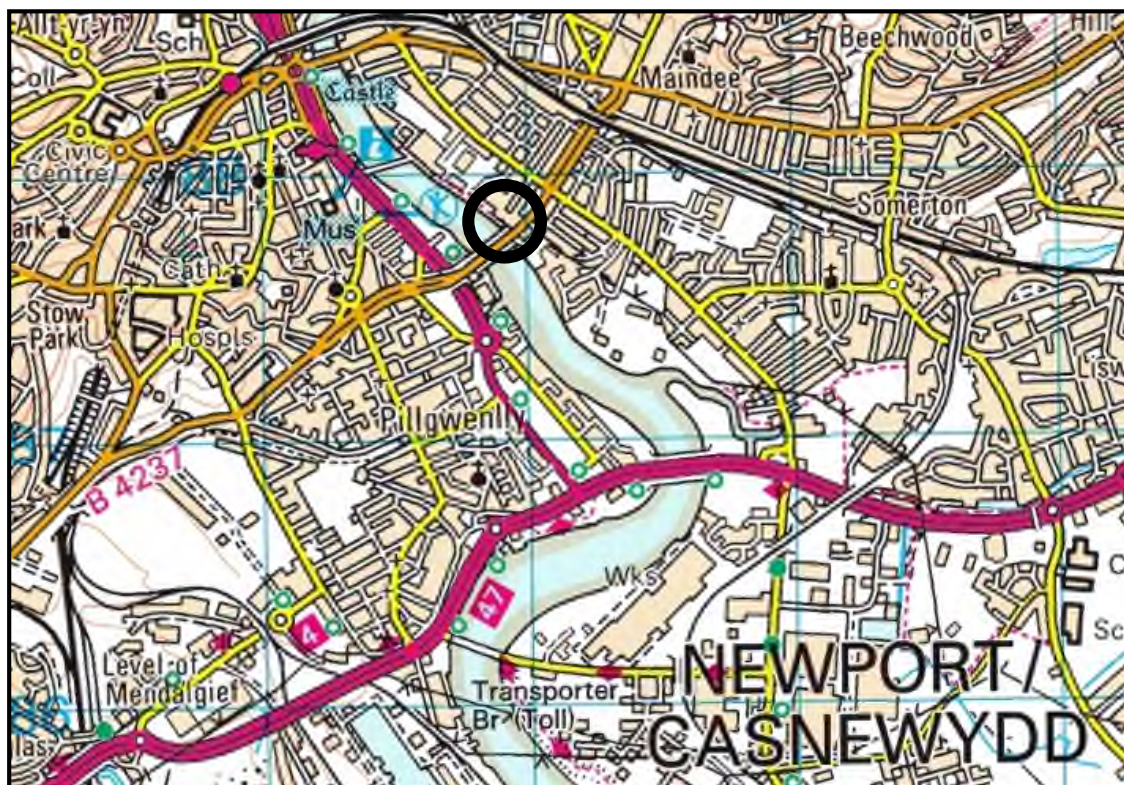


Figure 2.1: Site Location - OS Map 152 Newport and Pontypool

The main body of the site comprises an area beneath George Street bridge surfaced with hardstanding and adjacent vacant scrub land partly surfaced with building rubble with some trees and overgrown vegetation. There is general litter across the rubble-surfaced section and some needles were also observed.

The south-western and north-western boundaries of the site are open, but partly defined by a soil bund, and the south-eastern edge of the site is defined by metal fencing.

Concrete fencing runs beneath the northern end of the bridge, separating the main site area from another small section of the site beneath the bridge, which is grassed. The remainder of the north-eastern edge of the site is timber fenced. On the opposing side of this fence is a downward sloping embankment that is heavily vegetated.

An area not accessible to the site investigation exists where the proposed access road to the site will run, which leads off Coverack Road to the east to the eastern corner of the site, is believed to be occupied by scrub vegetation.

A site layout plan is found in **Drawing 01**.

2.2 Site History

The history of the site has been traced using historical Ordnance Survey maps from an Envirocheck Report obtained from Landmark Information Group. The Envirocheck Report is presented in **Annex A**. A summary of the history of the site is given below. Distances, where quoted, are approximate.

1883/1886 (1:2500 Scale and 1:10,560 Scale)

The site in 1883/1886 is situated on an area of disturbed ground, where excavations and mounded material is evident. The purpose of these earthworks is unknown but may be early preparation for later tram lines. A track defines the south-western edge of the site and a stream/drainage channel runs along the north-eastern boundary. The River Usk high water mark situates 20m to the southwest. Directly northwest of the site two large enclosures denoted as Ballast Banks are present, which would have been used by ships travelling the estuary. Land to the southeast also appears disturbed, and in one area shown to be waterlogged by the presence of reeds. A tramway, which directs towards the site, is shown to truncate 250m to the southeast. This leads off secondary lines that direct from the main Great Western Railway line to the north and continue to a smithy and up to Great Western Wharf along the river. The surrounding area, away from the River is rural at this time. The opposing side of the River Usk is heavily industrialised with numerous wharfs with rail connections.

1901 (1:2500 Scale) and 1902 (1:10,560 Scale)

This side of the River Usk has undergone significant development, primarily residential, centred along Corporation Road to the northeast, which traverses in a northwest-southeast direction. The north-eastern edge of the site is shown to be raised above the adjacent terraced residential Cyril Street and Morris Street, which lie perpendicular to Corporation Road and the site. Atop the batter a new tram line is present, an extension of the truncated line seen in 1883 that runs along the riverside to East Usk Oil Works and Clarence Wharf Saw Mills, 210m and 290m to the east, respectively. From the main tram line two short minor lines (of unknown purpose) service a defined piece of land that overlaps onto the eastern half of the site. Only one of the lines is actually situated on the site. A long rectangular building is positioned directly adjacent to the south-eastern site edge. Coverack Road parallels Morris Street east of the site. The Ballast Banks are no longer present.

1920 (1:2500 Scale)

The site remains unchanged. Development of the area has continued, with further housing to the east, construction of a tramway along Corporation Road and the establishment of Imperial Wire Mills 40m to the southeast, across the opposing side of Coverack Road. Directly northwest of the site, on the area of the former Ballast Banks, a Tramway Depot is present, and tramlines that pass both through the site and from Corporation Road lead to the depot. Adjoining the Tramway Depot is an Electric Power Station, and several cylindrical tanks are shown to be present to the rear of the building.

1937 (1:2500 Scale)

On site a second short tramline now enters a third defined plot of land, where two buildings have been built, although their use is not specified. A jetty has been constructed adjacent to the site, leading to the River Usk from Coverack Road, which has been extended to run between the site and river.

2.2 Site History (Continued)

1956 (1:1250 Scale)

An Electricity Board Stores Depot is shown to occupy the site, and the larger of the two buildings on site has undergone a small extension. From the western side of the building, crossing through the western boundary of the site is a travelling crane. The smaller building on site is no longer present. An electric sub-station has been erected next to the far eastern end of the site. The Imperial Wire Mills is now known as the Imperial Wagon Works. The Tramway Depot is now shown to be a Bus Depot, and all tramlines at the front of the depot, as well as along Corporation Road, have been removed. Three tanks are denoted at the bus depot, 80m northeast of the site. The electric power station has been extended and several new buildings have also been constructed here. The site directly southeast is now occupied by Uskside Paint Mills.

1965 (1:1250 Scale)

The site remains unchanged, but George Street Bridge, which opened in April 1964, has been constructed across the River Usk. The bridge crosses over the site, passes between Coverack Road and Morris Road. Only one building remains standing at Uskside Paint Mills. A tank has been built at the front of the Wagon Works.

1981 (1:10,000 Scale)

This edition does not show any changes to the site or immediate surrounding area from the previous edition.

1987 (1:10,000 Scale)

The site use remains unchanged, although the tramline has been terminated on or close to the site, corresponding to closure and demolition of the electric power station.

1991 (1:1250 Scale)

The site is still in use as the electricity board Storage Depot. Although the Paint Mills is still present, two new building have been constructed adjacent to the southeast of the site, one of which is denoted as a depot.

1993 (1:1250 Scale)

The site use is still denoted as a depot. The Wagon Works are no longer in operation and the works buildings have been demolished and replaced by a new rectangular unit, labelled 'works'. The adjacent tramline has been dismantled.

1994 (1:1250 Scale)

By 1994 the building on site has been converted into 17 commercial/industrial units known as Bankside Enterprise Park. The far western portion of the site remains unoccupied. No notable changes to the surrounding area have occurred.

1999 (1:10,000 Scale)

This edition does not show any changes to the site or immediate surrounding area from the previous edition.

2006 (1:10,000 Scale) and 2009 (1:10,000 Scale)

The site remains unchanged. The works to the southeast have closed and residential development of this area has taken place.

2009

The buildings on the neighbouring site to the southeast were demolished in 2009.

2018

Since 2009 an apartment block has been built on land immediately northwest of the site.

2.3 Site Use

An Envirocheck Historical Data Report was obtained for the site, see **Annex B**.

The site is listed as being in use for Road Haulage between 1922 and 1994.

Historical plans show two minor tramlines on site and several small buildings on the 1937 plan. By 1956 the Electricity Board Storage Depot had been established on site. Presumably, therefore, the primary use of the storage depot was for parking and maintaining company vehicles.

The Historical Data Report also lists the presence of the tram/rail line on site between 1902 and 1965.

In 1994 the building on site changed use to Bankside commercial/industrial units. This building currently on site comprises 17 units. During the site walkover survey by Terra Firma in 2010 a board detailing occupying companies was displayed. An internet search was also carried out to identify companies listed as being present in 2010. All information obtained is given in the table below.

Table 2.1 Historical Site Occupation		
Unit	Company	On Site in 2010
1	J & B Sewing Machine Company Limited	No
1	S & R Spares (Electrical Goods Sales)	No
2	Goodwood Joinery Company	Unlikely
3	Wood Art Works	Unknown
4	New Vent Services	Unlikely
4	Autogen Electrical Engineers	Probably – listed at this address on the internet
5	-	-
6	Gwent Microwave Services	Unlikely
7/8	Garry's Kitchen	Unlikely
7/10	Matt Snax Caterers	Probably – listed at this address on the internet
9	Homecare (Wales) Limited	Unlikely
10	-	-
11	P R Valeting Services Limited	Yes (company website lists Bankside trading address)
12	P R Communications Limited	Unlikely
13	Crash Editing	Yes (company website lists Bankside trading address)
14	Drinks-Inn Limited	Unlikely
14	Colmix Contractors Limited	Unlikely
14a & b	Native Play Designs	Yes (company website lists Bankside trading address)
14c	Mobile Bar Hire and Drinks Delivery Limited	Unlikely
15	I. M Communications Limited	Unlikely
16	Hergan Limited Engineering and Civil Engineering	Yes (company vehicles observed on site)
17	Country Felt Roofing Specialists	Probably – listed at this address on the internet

2.4 Unexploded Ordnance

A Preliminary UXO Report was obtained for the site. A copy of this report may be found in **Annex B**.

The report concluded that there was a low risk from UXO on site.

The report also recommends the following for risk mitigation:

- Risk Communication & Safety Planning: Stakeholders should be made aware of the UXO risk levels within the project boundary and the possible impact an encounter may have on the project and third parties. Consequently, a UXO Safety Plan should be drawn up and included with the overall project safety planning.
- Safety Training: In keeping with CDM Regulations concerning all sub-surface hazards, UXO Safety Induction Training should be provided to everyone working or visiting the site. The training should be commensurate with the individual's responsibilities and duties on site. The training should be provided by a competent individual (preferably a trained EOD Engineer) and delivered as a separate module of the Site Safety Induction Course or as a Toolbox Talk.

For further guidance it is recommended that a UXO specialist be consulted, such as MACC International Limited, who supplied the Preliminary UXO Report.

2.5 Geological Setting

2.5.1 Geology

The 1:50000 scale geological map of the area (Sheet No 249) shows the site to be underlain by rocks of the St Maughan's Group, forming part of the Lower Old Red Sandstone and being Devonian in Age. These rocks comprise red silty Mudstone and Siltstone with subordinate units of Sandstone and rare Limestone. The dip of the strata beneath the site is not evident from the map.

Superficial Deposits in the form of estuarine alluvium overlie the solid bedrock. These deposits typically comprise grey brown and blue grey silty clay/clayey silt with possible peat horizons.

Previous investigative work carried out by Terra Firma (Wales) Limited in the area also confirms the presence of fluvial sand, gravel and cobble deposits beneath the Alluvium.

Made ground of significant thickness is expected to be present. The Historical Data Report (**Annex C**) denotes the western part of the site as 'Potentially Infilled Land', where fill adjacent to the river or on marshy ground occurred in 1886.

2.5.2 Coal Mining

The site lies outside the South Wales Coalfield. The site will not be affected by past mining.

2.5.3 Radon

A Radon (RPM) Site Report from the British Geological Survey (BGS) confirms that **no** radon protection measures are required in the development. A copy of this report is presented in **Annex D**.

2.6 Environmental Setting

The following sections have been compiled using the Envirocheck datasheet and maps which can be found in **Annex A**.

2.6.1 Hydrogeology and Hydrology

The underlying St Maughan's Group have been classed by the Environment Agency as a Secondary A Aquifer. These are permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers.

The estuarine alluvium is classified as unproductive strata.

The fluvial sand, gravel and cobble deposits are anticipated to lie between the alluvium and bedrock. Groundwater within this unit is typically sub-artesian in nature, trapped beneath the estuarine alluvium, which acts as an aquiclude, confining groundwater in the more granular strata.

Previous investigative work carried out by Terra Firma (Wales) Limited, alongside George Street Bridge on the opposing side of the River Usk, has found that the deeper groundwater system beneath the site within the fluvial sands, gravels and cobbles to be in hydraulic continuity with the River Usk and tidal in nature, and provides a degree of base-flow to the river system.

Any shallow groundwater flow may be expected towards the River Usk that lies approximately 20m to the southwest. The River Usk flows in a general southerly direction, before finally discharging into the Mouth of the Severn Estuary

A shallow/perched groundwater body may be present in the made ground.

Deeper groundwater flow within the underlying bedrock will be controlled by the strata dip and any fractures or bedding planes within the rock units.

2.6.2 Groundwater

The Envirocheck Report confirms that the site does not situate within a groundwater source protection zone.

There are no groundwater abstraction points within 250m of the site.

There are two properties within 250m of the site listed as having consent to discharge waste waters:

Table 2.2 Discharge Consents			
Operator	Discharge Type	Receiving Water	Distance from Site
Dwr Cymru Cyfygedig	Public Sewage: Storm Sewage Overflow	River Usk	22m West
Dwr Cymru Cyfygedig	Public Sewage: Storm Sewage Overflow	River Usk	198m North

2.6.3 Waste

One historical landfill site is recorded 142m to the east of the site along Gaskell Street. The details of when the landfill was in operation are not given but deposited waste included industrial and household materials.

One former Registered Landfill is listed as siting within 250m of the site, 92m to the southwest. This was licensed to G.J.N. Steelstock Limited, who was licensed in 1977 to dispose of site produced hardcore and rubble.

2.6.4 Sensitive Land Use

The River Usk is classed as a Site of Special Scientific Interest as well as a Special Area of Conservation.

2.6.5 Contemporary Trades

No contemporary trades are present on site. In 2010 one trade entry is listed for the site in the Envirocheck Report. This records Leading Edge Joinery as currently occupying Unit 1 of Bankside Enterprise Park.

SECTION 3 Preliminary Human Health and Environmental Risk Assessment

3.1 General

The contaminated land regime is set out in Part IIA of the Environmental Protection Act (EPA) 1990 and was introduced on the 1st April 2000 in England and 1st July 2001 in Wales. A similar regime was introduced in Scotland on 14th July 2000. Part IIA was introduced to achieve two aims:

- (1) The identification of contaminated land
- (2) The remediation of contaminated land that poses an unacceptable risk to human health and/or the environment

Under Part IIA the statutory definition of 'contaminated land' is: any land which appears to the local authority in whose area it is situated, to be in such a condition, by reason of substances in, on, or under the land, that:

- (a) Significant harm is being caused or there is a significant possibility of such harm being caused; or
- (b) Pollution of controlled waters is being, or is likely to be, caused."

For land to be classified as 'Contaminated Land' there must be a 'pollutant linkage'.

For our definitions of pollution linkage and how we define risk please refer to **Annex E** which includes our classifications of consequence and probability and risk assessment matrix.

3.2 Preliminary Site Conceptual Model

The preceding sections enable a preliminary conceptual model of the site to be drawn up, to illustrate the likely ground conditions beneath the site together with a preliminary assessment of the nature of any underlying aquifers and groundwater movement. The preliminary site conceptual model is used as a model for the design and implementation of the site investigation, whereby areas of potential contamination can be targeted as well as investigating the site as a whole.

3.3 Potential Sources of Contamination

The potential contamination beneath the site, whether in the matrix of soil or any groundwater will be related to the sites past use and the history of the surrounding area.

3.3.1 Raised Site Levels

Part of the western end of the site is recorded in the Historical Data Report as being infilled in 1886.

The site level in general was raised considerably prior to construction of the tramline that previously ran along the north-eastern side of the site; the site sits approximately 4m above the adjacent residential Morris Street.

The fill materials may have included local industrial waste, furnace ash, building rubble, dock silts and marine dredgings. Such fill materials may exhibit contamination in the form of metals and metalloids such as zinc, lead, cadmium, copper, chromium and arsenic, petroleum hydrocarbons and aromatic hydrocarbons.

3.3.1 Raised Site Levels (Continued)

Imported fill may also have included ballast beneath the tram line. Ballast comprises typically granite, limestone or sandstone, or perhaps crushed slag. It is also possible that ash ballast was used. Ash ballast, if used, is a potentially a source of metals, phenols, sulphates and polycyclic aromatic hydrocarbons (PAHs).

3.3.2 Trams

It is possible that potential contamination from any fuel/oil spillages could have occurred from trams.

Two former tram lines terminated on site and therefore buffers are likely to have been present. Tram buffers should be considered a potential source of polychlorinated biphenyls (PCBs) contamination.

3.3.3 Electricity Board Storage Depot

It is unknown exactly what was stored on site by the electric board, although the Historical Data Report suggests that this was primarily involved with road haulage. However, it should be considered that other possible other uses of the building include storage of tools and vehicles, storage of cables and other components of electrical devices/structures.

For road haulage, vehicles would have been stored and repaired on site so fuel and oils are likely to have been kept and used on site. There may even have been a fuel tank on site, although no fuel tanks are recorded to have been present in the Historical Data Report. Any leaks or spills of fuel could potentially have caused contamination of the underlying soils/groundwater.

PCBs were liquids commonly used as coolants and lubricants in transformers, capacitors and other electrical equipment up until the 1970s. PCBs may even have been stored on their own prior to being in use. There is the potential therefore, for PCBs to have leaked from components, or spills to have occurred during movement or refill.

Given that the electricity board storage depot was built between 1937 and 1956 it is possible that the building was heated by fuel oil. Although not observed, it is therefore feasible that a fuel tank was on site. Again however, the Historical Data Report does not identify the past or present presence of a tank on site.

3.3.4 Potential Off-site Sources of Contamination

An electric sub-station, known to have been installed between 1937 and 1956, is present directly adjacent to the far eastern part of the site, next to Coverack Road. This may be a potential source of PCBs.

None of the other previously known past adjacent site uses are considered to present any sources or associated risks from contamination of the underlying soils apart from the former paint mills, immediately southeast of the site. If the paint mills caused any contamination it is unlikely that this has migrated towards the site. Any leached chemicals would have been confined to perched groundwater, which would flow in a south-westerly direction towards the River Usk, not towards the site.

3.4 Potential Sources of Gas

Any fill soils present a potential direct source of ground gas. Degradation of materials such as timber, rags or vegetation can generate methane gas as it decomposes. Carbon dioxide can also form through oxidation of methane. As methane or carbon dioxide is released it travels upwards. The rate of flow depends on the rate of gas production but is also dependant on the ground conditions.

The presence of an historic landfill 142m to the east of the site means that there is a risk from similar landfill gases migrating through the ground and into the proposed new houses.

Should any bands of peat be identified within the estuarine alluvium, these could also be a potential source of gas.

3.5 Potential Receptors and Pollution Pathways

There are both human and hydrological receptors to be considered should any contamination be detected on site.

Construction workers will be excavating in soils and will be exposed via dermal contact with soils and dust, ingestion of soil /soil dust and inhalation of soil dust. Workers may also be exposed to asbestos fibres, if present in fill soils, and vapours.

Neighbouring site users and passer-by are at risk through inhalation of soil dust, asbestos fibres and vapours and ingestion of soil dust.

A residential (without private gardens) end use is proposed. Once developed, future residents will potentially be at risk from any contamination from the same pathways as well as through intake of potable water, and inhalation of gas/vapours.

If any contamination is identified this may be leachable, enabling it to and impact the River Usk or groundwater.

There may be potential for ground and landfill gases to enter and accumulate within confined spaces in buildings. These gases are a direct human health risk and methane is also potentially explosive if methane concentrations become elevated and conditions are favourable.

A qualitative preliminary Human Health and Environmental Risk Assessment summarises the above and is detailed in the **Tables 3.1 and 3.2** on the following pages.

Table 3.1 - Qualitative Preliminary Human Health Risk Assessment

Potential Source	Pathway	Receptor During Construction	Level of Risk	Receptor Post Construction	Level of Risk
Made Ground Leaked fuel/PCBs/ Chemicals	Dermal contact with soil and ingestion of soil	Construction workers	Moderate Risk	Residents	Moderate Risk
	Ingestion and inhalation of soil dust	Construction workers, neighbouring site users, passers-by	Moderate Risk	Residents	Moderate Risk
	Inhalation of Asbestos fibres	Construction workers, neighbouring site users, passers-by	Moderate Risk	Residents, neighbouring site users, passers-by	Moderate Risk
	Ingestion of potable water <i>Absorption of contamination from made ground into potable water pipes</i>	N/A	N/A	Residents	Moderate Risk
	Inhalation of vapours	Construction workers, neighbouring site users, passers-by	Low Risk	Residents, neighbouring site users, passers-by	Low Risk
Radon Gas	Inhalation <i>Accumulation of gas indoors in confined spaces- asphyxiation and explosion</i>	N/A	N/A	Residents	Acceptable Risk <i>BGS confirm no Radon Protection required for new buildings</i>
Landfill Gas		N/A	N/A	Residents	Moderate Risk <i>One landfill within 142m east of the site</i>
Ground Gas Site generated		N/A	N/A	Residents	Moderate Risk <i>Significant thickness of made ground anticipated</i>

Table 3.2 – Qualitative Preliminary Environmental Risk Assessment

Potential Source	Pathway	Receptor During Construction	Level of Risk	Receptor Post Construction	Level of Risk
Surface Water	Run-off	Site and Adjacent Sites Shallow/Perched Groundwater	Low	Site and Adjacent Sites Shallow/Perched Groundwater	Low
Accidental spillage	Run-off , digging foundations, moving contaminated soil, drainage misconnections, discharges to local surface waters or the ground, construction materials and/or exposed ground, wheel washings, oil or chemical spills	Site and Adjacent Sites	Low <i>On site procedures will ensure that all efforts are made to prevent accidental spillage</i>	N/A	N/A
Made Ground Leaked fuel/PCBs/ Chemicals	Leaching of contamination	Shallow/Perched Groundwater	Moderate Risk	Shallow/Perched Groundwater	Moderate Risk
Contaminated Groundwater	Direct migration and Perched Groundwater migration	River Usk	Moderate Risk	River Usk	Moderate Risk
Contaminated Groundwater	Direct migration and Perched Groundwater migration	St Maughan's Group Secondary A Aquifer River Usk	Low Risk <i>Impermeable alluvial deposits anticipated between made ground and deeper groundwater</i>	St Maughan's Group Secondary A Aquifer River Usk	Low Risk <i>Impermeable alluvial deposits anticipated between made ground and deeper groundwater</i>
Contaminated Groundwater	Groundwater Migration <i>Groundwater may have hydraulic continuity with the River Usk</i>	River Usk	Low Risk <i>Impermeable alluvial deposits anticipated between made ground and deeper groundwater</i>	River Usk	Low Risk <i>Impermeable alluvial deposits anticipated between made ground and deeper groundwater</i>

SECTION 4 Field Investigation

4.1 Site Works

A geotechnical and geo-environmental site investigation was carried out comprising windowless sampling boreholes, trial pits and cable percussive boreholes.

Seven windowless sampling boreholes were completed in May 2018 (WS1 – WS7). The boreholes were sunk using a Dando mini-percussive drilling rig. Within the boreholes, Standard Penetration tests (SPT)/Cone Penetration tests were undertaken at close and regular intervals.

Four trial holes were excavated by JCB.

Six cable percussive boreholes were completed in May 2018. Four of these extended down to the underlying bedrock (BH1 – BH4). BH5 and BH6 extended only to 3m to enable the installation of gas wells.

The cable percussive shell and auger boreholes, 200mm in diameter, were sunk using a standard Shell and Auger drilling rig to rockhead. Within the boreholes, Standard Penetration tests (SPT)/Cone Penetration tests tests were undertaken at regular intervals.

Cable percussive borehole locations were chose to reflect requirements for proving bedrock for foundation recommendations, and to ensure groundwater wells were well spaced to gain groundwater samples from across the entire site.

The fieldworks were supervised by Terra Firma (Wales) Limited and the boreholes and trial pits were logged to the requirements of BS5930:2015.

The windowless sampling borehole logs may be found in **Annex F**, trial pit logs are given in **Annex G** and cable percussive borehole logs are provided in **Annex H**.

Exploratory hole locations are given on **Drawing 01**.

4.2 Ground Conditions

A summary of the ground conditions identified in the exploratory holes is given in **Table 4.1**.

Table 4.1 Summary of Ground Conditions				
Depth (m)			Thickness (m)	Stratum
0.0	-	4.3/5.4	4.3/5.4	MADE GROUND: Variable and vertically and laterally inconsistent bands of loose to very loose SAND and/or GRAVEL , Loose black or grey ASH , and soft to firm CLAY .
4.3/5.4	-	5.4/7.3	1.1/2.1	Firm grey brown mottled CLAY (Alluvium)
5.4/7.3	-	14.3/14.8	7.2/9.2	Very soft grey CLAY (Alluvium)
14.3/14.8	-	16.1/16.3	1.5/1.8	Firm to stiff grey clayey GRAVEL
16.1/16.3	-	18.8/19.6	2.5/3.5	Medium dense becoming dense brown SAND (Fluvial deposits)
18.7/19.6	-	20.2/20.7	1.1/1.4	Very dense brown sandy GRAVEL (Fluvial deposits)
20.2/20.7	-	20.30/21.2	-	Red brown SANDSTONE (St Maughan's Group)

Within WS3 a hydrocarbon odour was noted in the top horizon of made ground, which extends to 0.4m depth.

4.3 Water Strikes

Water strikes were made in the deep cable percussive boreholes, at 14.6m in BH1 and 14.3m in BH2, BH3 and BH4. No perched groundwater was noted in any exploratory holes.

4.4 Stability and Obstructions

The made ground was found to be unstable and collapsing in some areas.

4.5 Soil and Leachate Laboratory Chemical Testing

4.5.1 Soil Exploratory Strategy and Sampling and Testing Regime

During the intrusive investigation, small disturbed soil samples were collected. The sampling regime was conducted in accordance with BS5930: 1999 in order to satisfy the following criteria:

- Identify and confirm suspected sources of contamination
- Determine type and concentration of contamination
- Determine lateral and vertical spread of contaminants
- Ensure representation of the entire site
- Provide sufficient data to determine suitable remedial measures if necessary

The soil samples taken were despatched to the laboratories of Derwentside Environmental Testing Services Limited.

4.5.1 Soil Exploratory Strategy and Sampling and Testing Regime (Continued)

The sample locations and depths are listed in the following table as well as the substances tested for.

Table 4.2 Sample Locations, Depths and Testing Schedule		
Sample	Depth (m)	Substances Tested For
WS1	0.3 – 0.5	TF1, TPHCWG, Asbestos
WS1	0.8 -1.0	PCBs, VOC/SVOC
WS2	0.2 – 0.5	TF1, TPHCWG, Asbestos
WS2	0.8 – 1.0	TF1, TPHCWG, PCBs, Asbestos
WS2	2.3	PCBs, VOC/SVOC
WS3	0.1 – 0.4	TF1, TPHCWG, Asbestos
WS3	0.5	PCBs, VOC/SVOC
WS4	0.3 – 0.8	TF1, TPHCWG, PCBs, VOC/SVOC, Asbestos
WS4	0.8 – 1.3	TF1, TPHCWG, PCBs, Asbestos
WS5	0.1 – 0.3	TF1, TPHCWG, Asbestos
WS5	0.45	PCBs
WS5	0.7	VOC/SVOC
WS6	0.4 – 0.7	TF1, TPHCWG, PCBs, Asbestos
WS6	1.2 – 1.5	TF1, TPHCWG, Asbestos
WS7	0.4 – 0.7	TF1, TPHCWG, PCBs, VOC/SVOC, Asbestos
TP1	0.2	TF1, TPHCWG, Asbestos, PCBs VOC/SVOC
TP1	1.0	TF1, TPHCWG, Asbestos, PCBs
TP2	0.4	TF1, TPHCWG, Asbestos, PCBs VOC/SVOC
TP3	0.2	TF1, TPHCWG, Asbestos, PCBs VOC/SVOC
TP3	0.8	PCBs VOC/SVOC
TP4	0.3	TF1, TPHCWG, Asbestos, PCBs
BH1	21.0	pH, Sulphate
BH2	5.3	pH, Sulphate
BH3	5.5	pH, Sulphate
BH3	13.0	pH, Sulphate
BH3	20.70	pH, Sulphate

Notes

- TF1 – Arsenic, Cadmium, Chromium III, Chromium VI, Copper, Lead, Mercury, Nickel, Selenium, Zinc, Cyanide, Phenols, Sulphate, pH, Organic Matter and Speciated PAH
- 15 sample were tested for the TF1 suite, asbestos, PCBs and TPHCWG
- 10 samples were tested for VOC/SVOC

The laboratory soil chemical test results are presented in **Annex I**.

4.5.2 Leachate Testing

Where soil test results exceeded their respective soil guidelines (See **Section 5**) leachate analysis was performed.

The laboratory leachate chemical test results are presented in **Annex I**.

4.6 Groundwater Monitoring and Testing

During the site investigation four deep groundwater wells were installed, in BH1 – BH4. The well installations are detailed in the following table.

Table 4.3 Groundwater Well Installations		
Location	Response Zone (m)	Installation Details
BH1	14.5 – 20.50	Plain pipe with bentonite seal with slotted pipe to 14.5m with slotted pipe and geotextile sock and gravel surround to 20.50m. Bentonite seal at base.
BH2	14.5 – 21.0	Plain pipe with bentonite seal with slotted pipe to 14.5m with slotted pipe and geotextile sock and gravel surround to 21.0m. Bentonite seal at base
BH4	14.5 – 20.7	Plain pipe with bentonite seal with slotted pipe to 14.5m with slotted pipe and geotextile sock and gravel surround to 20.70m. Bentonite seal at base
BH4	14.8 – 20.2	Plain pipe with bentonite seal with slotted pipe to 14.8m with slotted pipe and geotextile sock and gravel surround to 20.20m. Bentonite seal at base

One groundwater sampling round was performed in June 2018.

The following method was employed in the taking of samples:

1. Measurement of groundwater levels was taken with a dip meter.
2. Each borehole was purged prior to sampling. This was undertaken using a battery operated pump. The volume of perched groundwater purged was calculated by:

Volume purged = (3 x cross sectional area of borehole, including gravel) x depth of groundwater within borehole.

3. The groundwater samples were stored within the appropriate sample jar within a cool box. The samples were taken to the laboratory on the day of their collection.

All samples were submitted for laboratory analysis for a standard suite of contaminants, speciated PAH, TPHCWG, Phenols, PCBs, VOCs and SVOCs. The laboratory test certificate may be found in **Annex J**.

4.7 Gas Monitoring

Four shallow monitoring wells were installed for on-site gas monitoring, in WS2, WS4, BH5 and BH6. Please refer to **Section 7** for gas monitoring.

SECTION 5 Soil and Leachate Analytical Results

5.1 Soil Assessment Methodology

Comparison of the analytical results has been made with the 2015 residential (excluding plant uptake) Suitable 4 Use Levels (S4ULs) provided by Land Quality Management Limited and the Chartered Institute of Environmental Health (CIEH). Where CIEH thresholds are not available reference has been made to Category 4 Screening Levels (C4SLs) or CLEA SGVs.

Sulphate results have been compared to British Research Establishment (BRE) guidelines as sulphate levels need only be considered for buried concrete risk assessment only, not human health related.

5.2 Soil Test Results

A summary of the chemical test results which include the regulatory soil guideline values used in the Tier 1 assessment are given in **Tables 5.1 to 5.4**.

Table 5.1 Summary of Soil Chemical Test Results Standard Suite					
Substance	SGV/GAC (mg/kg)	Source	Measured Concentrations of Tested Substances (mg/kg)		Number of Exceedences
			Minimum	Maximum	
Arsenic	40	CIEH	6.5	94	2
Cadmium	85	CIEH	<0.1	3.1	0
Chromium III	910	CIEH	5.0	49	0
Chromium VI	6	CIEH	<1.0	<1.0	0
Copper	7100	CIEH	9.8	19000	1
Lead	310	C4SL	7.4	820	2
Mercury	56	CIEH	<0.05	1.3	0
Nickel	180	CIEH	4.6	36	0
Selenium	430	CIEH	<0.5	<0.5	0
Zinc	40000	CIEH	31	1400	0
Cyanide	8	CLEA	<0.1	0.4	0
Phenols	120	CIEH	<0.3	9.5	0
Sulphate	2400	BRE	<100	3500	1
Aqueous sulphate (mg/l)	500	BRE	22	170	0
Organic Matter	-	-	<0.1	16	-
pH	-	-	7.9	11.3	-
Total PAH	-	-	<0.1	330	See Table 5.2
Total PCBs	-	-	<0.01	<0.01	BLDL
Asbestos	-	-	Not detected	Not detected	0

Notes:

- - no available guideline

5.2 Soil Test Results (Continued)

All samples were tested for speciated PAH testing.

Table 5.2 Summary of Soil Chemical Test Results Speciated PAH					
Substance	GAC (mg/kg)	Source	Measured Concentrations of Tested Substances (mg/kg)		Number of Exceedences
			Minimum	Maximum	
Naphthalene	2.3	CIEH	<0.03	0.08	0
Acenaphthylene	2900	CIEH	<0.03	0.51	0
Acenaphthene	3000	CIEH	<0.03	3.5	0
Fluorene	2800	CIEH	<0.03	2.1	0
Phenanthrene	1300	CIEH	<0.03	15	0
Anthracene	31000	CIEH	<0.03	4.7	0
Fluoranthene	1500	CIEH	<0.03	40	0
Pyrene	3700	CIEH	<0.03	34	0
Benzo(a)anthracene	11	CIEH	<0.03	33	1
Chrysene	30	CIEH	<0.03	38	1
Benzo(b)fluoranthene	3.9	CIEH	<0.03	57	2
Benzo(k)fluoranthene	110	CIEH	<0.03	25	0
Benzo(a)pyrene	3.2	CIEH	<0.03	36	2
Indeno(123cd)pyrene	45	CIEH	<0.03	19	0
Dibenzo(ah)anthracene	0.31	CIEH	<0.03	6.4	2
Benzo(ghi)perylene	360	CIEH	<0.03	20	0

Notes:

- Thresholds based on 1.0% SOM

5.2 Soil Test Results (Continued)

Selected samples were tested for petroleum hydrocarbons.

Table 5.3 Summary of Soil Chemical Test Results Petroleum Hydrocarbons					
Substance	GAC (mg/kg)	Source	Measured Concentrations of Tested Substances (mg/kg)		Number of Exceedences
			Minimum	Maximum	
<u>Aliphatic</u>					
PH C5 – C6 Ali	40	CIEH	<0.01	<0.01	0
PH C6 – C8 Ali	100	CIEH	<0.01	<0.01	0
PH C8 – C10 Ali	27	CIEH	<0.01	0.4	0
PH C10 – C12 Ali	130	CIEH	<1.5	290	1
PH C12 – C16 Ali	1100	CIEH	<1.2	190	0
PH C16 – C21 Ali	65000	CIEH	<1.5	10	0
PH C21 – C35 Ali	65000	CIEH	<3.4	210	0
PH C35 – C44 Ali	65000	CIEH	<3.4	93	0
<u>Aromatic</u>					
PH C5 – C7 Arom	370	CIEH	<0.01	<0.01	0
PH C7 – C8 Arom	860	CIEH	<0.01	<0.01	0
PH C8 – C10 Arom	47	CIEH	<0.01	0.44	0
PH C10 – C12 Arom	250	CIEH	<0.9	79	0
PH C12 – C16 Arom	1800	CIEH	<0.5	130	0
PH C16 – C21 Arom	1900	CIEH	<0.6	220	0
PH C21 – C35 Arom	1900	CIEH	<1.4	580	0
PH C35 – C44 Arom	1900	CIEH	<1.4	140	0

Notes:

- CIEH Based on 1.0% SOM
- * CIEH for Ali C16 - 21 and C21 - C35 based on CIEH for EC >16 – 35

5.2 Soil Test Results (Continued)

Those volatile and semi-volatile organic compounds recorded at concentrations above the limits of laboratory detection of 0.1mg/kg are listed in **Table 5.4**. No soil guideline values for these chemicals are available for assessment.

Table 5.4 Detectable Volatile and Semi-Volatile Organic Compounds		
Substance	Measured Concentrations of Tested Substances (mg/kg)	Location and Depth
VOCs		
1,3,5-trimethylbenzene	0.07	WS3 0.5m
1,2,4-trimethylbenzene	0.04	WS3 0.5m
Sec-butylbenzene	0.08	WS3 0.5m
SVOCs		
3&4-Methylphenol	1.3	WS5 0.7m
2-Methylnapthalene	1.1	WS3 0.5m
	0.2	WS7 0.4 – 0.7m
	3.6	TP2 0.2m
	0.1	TP4 0.2m
Dibenzofuran	0.2	WS3 0.5m
	0.1	TP1 0.2m
	9.8	TP2 0.2m
	0.2	TP4 0.2m
4-Nitrophenol	0.3	TP1 0.2m
	12	TP2 0.2m
	0.3	TP4 0.2m
Di-n-butylphthalate	0.3	TP1 0.2m
Bis(2-ethylhexyl)phthalate	0.2	TP1 0.2m
	4.1	TP2 0.2m
Carbazole	0.1	TP1 0.2m
	9.8	TP2 0.2m
	0.2	TP4 0.2m

5.3 Leachate Assessment Methodology

Groundwater results have been compared to thresholds for inland freshwater environments (annual average or maximum allowable concentration where annual average not available) provided by the 2015 UK Water Framework Directive (WFD).

5.4 Leachate Test Results

Leachate test results are summarised in **Table 5.5**.

5.5 Summary of Leachate Chemical Test Results					
Substance	Threshold (ug/l)	Source	Measured Concentrations of Tested Substances (ug/l)		Number of Exceedences
			Minimum	Maximum	
Arsenic	50	WFD	1.2	3.5	0
Copper	1.0	WFD	0.8	-	0
Lead	1.2	WFD	2.4	2.6	2
Naphthalene	2.0	WFD	<0.01	1.4	0
Acenaphthylene	-	-	0.04	3.8	2 ALDL
Acenaphthene	-	-	<0.01	1.4	1 ALDL
Fluorene	-	-	<0.01	2.7	1 ALDL
Phenanthrene	-	-	0.08	9.5	1 ALDL
Anthracene	0.1	WFD	0.08	5.7	1
Fluoranthene	0.0063	WFD	0.73	23	2
Pyrene	-	-	0.7	23	2 ALDL
Benzo(a)anthracene	-	-	0.86	12	2 ALDL
Chrysene	-	-	1.8	17	2 ALDL
Benzo(b)fluoranthene	0.017	WFD	4.2	34	2
Benzo(k)fluoranthene	0.017	WFD	1.5	9.7	2
Benzo(a)pyrene	0.00017	WFD	3.5	28	2
Indeno(123cd)pyrene	-	-	3.0	17	2 ALDL
Dibenzo(ah)anthracene	-	-	0.6	8.3	2 ALDL
Benzo(ghi)perylene	0.0082	WFD	3.0	16	2

Notes:

- *ALDL – Above Laboratory Detection Limit
- 1 sample was tested for copper
- 2 samples were tested for lead, arsenic and speciated PAH

SECTION 6 Groundwater Analytical Results

6.1 Groundwater Assessment Methodology

Groundwater results have been compared to thresholds for saltwater or 'other surface waters' (annual average or maximum allowable concentration where annual average not available) provided by the 2015 UK Water Framework Directive (WFD).

No WFD thresholds are available for reference has therefore been made to Dangerous Substance Directive (DSD) or Drinking Water Directive (DWD) criteria in their absence.

No generic assessment criteria are available for assessment of petroleum hydrocarbons. A target concentration (TC) of 10ug/l has therefore been applied.

Sulphate is compared to the BRE guidelines. Sulphate levels need only be considered for buried concrete risk assessment only.

6.2 Groundwater Test Results

Groundwater results are summarised in the following tables.

Table 6.1 Summary of Groundwater Chemical Test Results Standard Suite					
Substance	Threshold (ug/l)	Source	Measured Concentrations of Tested Substances (ug/l)		Number of Exceedences
			Minimum	Maximum	
Arsenic	25	WFD	1.3	2.8	0
Cadmium	0.25*	WFD	<0.03	0.08	0
Chromium III	4.7	WFD	<1.0	3.0	0
Chromium VI	0.6	WFD	<7.0	<7.0	BLDL
Copper	1.0**	WFD	<0.4	2.3	2
Lead	1.2	WFD	<0.09	0.12	0
Mercury	0.07	WFD	<0.01	<0.01	0
Nickel	8.6	WFD	0.8	1.7	0
Selenium	10	DWD	0.72	1.2	0
Zinc	13.1***	WFD	3.8	17	1
Cyanide	1.0	WFD	<40	<40	BLDL
Total Phenol	7.7	WFD	<0.1	<0.1	0
Sulphate	500	BRE	100	120	0
pH	-	-	7.3	7.5	-
BOD	-	-	3.7	4.5	-
COD	-	-	17	62	-
Hardness	-	-	491	1590	-

Notes:

- *Cadmium threshold dependant on hardness
- ** Freshwater value used in the absence of DOC data
- *** Takes into account ambient background concentration of the River
- BLDL – Below Laboratory Detection Limit

6.2 Groundwater Test Results (Continued)

All samples were tested for speciated PAH.

Table 6.2 Summary of Groundwater Chemical Test Results Speciated PAH					
Substance	Threshold (ug/l)	Source	Measured Concentrations of Tested Substances (ug/l)		Number of Exceedences
			Minimum	Maximum	
Naphthalene	2.0	WFD	<0.01	<0.01	0
Acenaphthylene	-	-	<0.01	<0.01	BLDL
Acenaphthene	-	-	<0.01	<0.01	BLDL
Fluorene	-	-	<0.01	<0.01	BLDL
Phenanthrene	-	-	<0.01	<0.01	BLDL
Anthracene	0.1	WFD	<0.01	<0.01	0
Fluoranthene	0.0063	WFD	<0.01	<0.01	0
Pyrene	-	-	<0.01	<0.01	BLDL
Benzo(a)anthracene	-	-	<0.01	<0.01	BLDL
Chrysene	-	-	<0.01	<0.01	BLDL
Benzo(b)fluoranthene	0.017	WFD	<0.01	<0.01	0
Benzo(k)fluoranthene	0.017	WFD	<0.01	<0.01	0
Benzo(a)pyrene	0.00017	WFD	<0.01	<0.01	0
Indeno(123cd)pyrene	-	-	<0.01	<0.01	BLDL
Dibenzo(ah)anthracene	-	-	<0.01	<0.01	BLDL
Benzo(ghi)perylene	0.0082	WFD	<0.01	<0.01	0

Notes:

- *BLDL - Below Laboratory Detection Limit

6.2 Groundwater Test Results (Continued)

Table 6.3 Summary of Groundwater Chemical Test Results Petroleum Hydrocarbons and PCBs					
Substance	Threshold ug/l	Source	Measured Concentrations of Tested Substances (ug/l)		Number of Exceedences
			Minimum	Maximum	
<u>Aliphatic</u>					
PH C5 – C6 Ali	10	TC	<0.1	<0.1	0
PH C6 – C8 Ali	10	TC	<0.1	<0.1	0
PH C8 – C10 Ali	10	TC	<0.1	<0.1	0
PH C10 – C12 Ali	10	TC	<1.0	<1.0	0
PH C12 – C16 Ali	10	TC	<1.0	<1.0	0
PH C16 – C21 Ali	10	TC	<1.0	<1.0	0
PH C21 – C35 Ali	10	TC	<1.0	<1.0	0
<u>Aromatic</u>					
PH C5 – C7 Arom	10	TC	<0.1	<0.1	0
PH C7 – C8 Arom	10	TC	<0.1	<0.1	0
PH C8 – C10 Arom	10	TC	<0.1	<0.1	0
PH C10 – C12 Arom	10	TC	<1.0	<1.0	0
PH C12 – C16 Arom	10	TC	<1.0	<1.0	0
PH C16 – C21 Arom	10	TC	<1.0	<1.0	0
PH C21 – C35 Arom	10	TC	<1.0	<1.0	0
Benzene	10	WFD	<1.0	<1.0	0
Toluene	74	WFD	<1.0	<1.0	0
Ethylbenzene	20	DSD	<1.0	<1.0	0
Xylene	30	DSD	<3.0	<3.0	0
Total PCBs	-	-	<1.0	<1.0	0

Notes:

- BLDL - Below Laboratory Detection Limit

All individual VOCs and SVOCs tested for were found to be at concentrations below the levels of laboratory detection.

SECTION 7 Gas Monitoring

Four monitoring wells were installed in WS2, WS4, BH5 and BH6.

To date one gas monitoring round has been completed. Gas results may be found in **Annex K**.

Methane levels were found to range between 0.2% and 1.2% V/V.

Carbon dioxide levels varied between 0.8% and 1.7% V/V.

Oxygen concentrations varied between 19.3% and 20.1% V/V.

The gas flow rate from the boreholes was also assessed. A maximum flow of 0.2l/hr was recorded.

Based on the flow rate of 0.2l/hr and the highest recorded carbon dioxide concentration of 1.7%, a gas screening value of 0.0034l/hr is calculated, as follows:

$$(1.7/100) \times 0.2 = 0.0034\text{l/hr}$$

When this result is compared with Table 8.5 of CIRIA report C665, the site is classified as 'gas characteristic situation 1'.

However, given that the maximum methane level exceeds 1% it is considered that gas protection should be incorporated any new development on site in accordance with 'gas characteristic situation 2'.

Gas protection should be installed in accordance with appropriate guidance.

SECTION 8 Quantitative Risk Assessment

8.1 Contaminants of Concern

8.1.1 Contaminants of Concern in Soil

Contaminants of concern are those that are found to exceed their residential threshold level. Those contaminants of concern, and those substances present at levels above detection for which there are no guidelines values for comparison, are listed in **Table 8.1**.

Table 8.1 Contaminants of Concern in Soil				
Substance	GAC (mg/kg)	Recorded Concentration (mg/kg)	Location	Depth
Arsenic	40	94 63	WS3 WS6	0.1 – 0.4 1.2 – 1.5
Lead	310	530 820	WS6 WS2	1.2 – 1.5 0.2 – 0.5
Copper	7100	19000	WS2	0.2 – 0.5
Benzo(a)anthracene	11	33	TP2	0.4
Chrysene	30	30	TP2	0.4
Benzo(b)fluoranthene	3.9	57 4.7	TP2 WS4	0.4 0.3 – 0.8
Benzo(a)pyrene	3.2	36 4.2	TP2 WS4	0.4 0.3 – 0.8
Dibenzo(ah)anthracene	0.31	6.4 0.59	TP2 WS4	0.4 0.3 – 0.8
PH C10 – C12 Ali	130	290	WS3	0.1 – 0.4
1,3,5-trimethylbenzene	-	0.07	WS3	0.5m
1,2,4-trimethylbenzene	-	0.04	WS3	0.5m
Sec-butylbenzene	-	0.08	WS3	0.5m
3&4-Methylphenol	-	1.3	WS5	0.7m
2-Methylnapthalene	-	1.1 0.2 3.6 0.1	WS3 WS7 TP2 TP4	0.5m 0.4 – 0.7m 0.4m 0.3m
Dibenzofuran	-	0.2 0.1 9.8 0.2	WS3 TP1 TP2 TP4	0.5 0.2 0.2 0.4
4-Nitrophenol	-	0.3 12 0.3	TP1 TP2 TP4	0.2 0.3 0.4
Di-n-butylphthalate	-	0.3	TP1	0.2
Bis(2-ethylhexyl)phthalate	-	0.2 4.1	TP1 TP2	0.2 0.4
Carbazole	-	0.1 9.8 0.2	TP1 TP2 TP4	0.2 0.3 0.4

Sulphate presents no risk to human health and has been considered in regards to Concrete, see **Section 9.4**.

8.1.2 Contaminants of Concern in Leachate

Lead was found to be leachable in two samples above its respective threshold level of 1ug/l, measuring 2.4 ug/l in samples taken from WS2 (0.2m – 0.5m) and 2.4ug/l in WS6 (1.2 – 1.5m)

Several PAHS were exceeded in one or two samples, taken from TP2 (0.4m) and WS4 (0.3 – 0.8m).

8.1.3 Contaminants of Concern in Groundwater

Copper was found to be marginally elevated in two water samples above the WFD threshold of 1.0ug/l, measuring 1.4ug/l in BH3 and 2.3ug/l in BH4.

Zinc was present at a concentration of 17ug/l in BH4, marginally exceeding the threshold of 13.1 ug/l.

8.2 Potential Receptors and Pathways

8.2.1 Human Receptors

Construction workers are potentially at risk from contaminants in made ground through dermal contact with soil, ingestion of soil/soil dust and inhalation of soil dust. There should be no risk from vapours as workers will be in the open air.

Neighbouring site residents are at risk from soil dust.

Future site users are potentially at risk from soil dermal contact, ingestion and inhalation pathways. They may also be at risk from vapours. A risk from ground gas has been confirmed.

8.2.2 Aquatic Environment

The potentially leachable contaminants identified are very minor and are not deemed to be at levels that will present a risk to controlled waters, particularly given that the majority of the site will be capped with the new building and hardstanding upon development and new surface water drainage will be installed, preventing significant transmission of rain waters through the ground. Also, if leached in to groundwater (although no perched groundwater was present) or the river leachate concentrations would immediately be rendered insignificant by the effects of dilution and attenuation.

Copper and zinc were noted in groundwater at marginal levels. The groundwater is likely in continuity with the River Usk. The levels recorded are not considered significant and should not present a risk to controlled waters, especially after the effects of dilution in the river. However, it is recommended that two further groundwater sampling and testing rounds are completed in accordance with NRW best practice to confirm consistency in groundwater chemistry. Following these works results may be reviewed and assessed accordingly.

8.3 Mitigation and Remedial Measures

8.3.1 Human Health

As good practice, construction workers should adhere to good site management, COSHH, good standards of hygiene and appropriate health & safety on site, with personal protection equipment (PPE). Protection must take into account the risk from exposure to asbestos, such as and dust suppression.

Dust suppression will also ensure there are no risks to neighbouring site users and passers-by during construction.

Any new landscaped or communal garden areas should be capped with 600mm of clean imported soils upon development. Any imported soils should be validated as clean and suitable for use in accordance with 'Requirements for the Chemical testing of Imported Soils for Various End Uses and Validation Cover Systems'.

Gas protection has been confirmed necessary for all new buildings. All gas protection should be appropriately designed to protect against potential vapours. A barrier such as Visqueen Ultimate VOC Blok is recommended.

For proposed new supply water pipes, the UK Water Industry Research publication 'Guidance for the Selection of Water Supply Pipes to be used in Brownfield Sites (Report 10/WM/03/21)' should be consulted.

In accordance with EC Regulation 1272/2008 and Environment Agency Guidance WM3 soils destined for off-site disposal should be classified on the basis of their hazard phrases prior to disposal. Soils are classified as a mirror entry waste and should be classified on the basis of their specific chemical properties. Terra Firma (Wales) Ltd offer this service if required.

8.3.2 Aquatic Environment

The risks to the controlled waters will be further assessed through additional recommended groundwater testing.

During the construction period, there is a risk to the environment/adjacent sites from de-watering, digging foundations, moving contaminated soil, drainage misconnections, discharges to local surface waters or the ground, runoff from construction materials and/or exposed ground, wheel washings and oil or chemical spills.

The risk is considered to be negligible as any adverse effects will be easily preventable by due diligence to good construction practise and housekeeping in preventing surface runoff and the spillage of materials.

The basic measures that should be taken are as follows:

- Prepare a drainage plan and mark the manholes to prevent pollutants accidentally reaching the surface water sewers;
- Carry out any activities that could cause pollution in a designated, bunded area, away from rivers or boreholes. Where possible it should drain to the foul sewer;
- Use settlement ponds to remove silty water;
- Store all oils and chemicals in a fully bunded area to prevent leaks or spills;
- Get advice on whether you need an environmental permit and apply in good time

SECTION 9 Engineering Recommendations

9.1 Preparation of Site

All vegetation including all roots should be stripped and removed from beneath the proposed buildings and areas of hard standing.

Allowances should be made for dealing with buried slabs and walls, and possible basements.

Contingencies should be made for the protection/diversion any underground services present beneath the site brought about as a result of the proposed works.

Allowances should be made for the excavation of any soft spots/areas and their replacement with well compacted imported granular materials.

Any reduced levels should be brought up to the required levels with suitable inert mainly granular materials. Department of Transport (DoT) type 2 sub base or similar should be used and should be compacted in layers to the requirements of the Specification for Highway works.

In accordance with EC Regulation 1272/2008 and Environment Agency Guidance WM3 soils and other materials destined for off-site disposal should be classified on the basis of their hazard phrases prior to disposal. Soils are classified as a mirror entry waste and should be classified on the basis of their specific chemical properties. Terra Firma (Wales) Ltd offer this service if required.

9.2 Foundation and Floor Slab Solution

Due to the thick made ground and very soft underlying alluvial deposits traditional foundations will not be suitable for the new development as these would lead to high and unacceptable total and differential settlements.

A driven pre-cast reinforced concrete piled foundation would be appropriate.

The piles should be founded within the underlying sandstone bedrock. Based on the site investigation information, pile lengths should vary between approximately 23m and 24.5m below proposed slab level.

For a 275mm square pre-cast reinforced concrete pile a safe working load of typically 500kN should be achievable. Allowances should also be made for negative skin friction that could develop in the Made Ground and Alluvium. For the above pile, a value of 50kN should be allowed per pile.

Contingencies should also be allowed for re-driving piles where buried obstructions are encountered that may include pre-excavation.

The above estimated working loads, type and length of piles should be confirmed by the specialist piling contractor. It may also be prudent to drive a number of test piles at selected locations.

8.2 Foundation and Floor Slab Solution (Continued)

During the piling works care should be taken to monitor pile driving vibrations. If such vibrations cannot be kept within permissible limits such that the operations become harmful to the integrity of the adjacent structures bored piles should be used.

Given the presence of dense gravel/cobble bands the piling contractor may recommend the use of steel driven piles or other measures to penetrate this horizon.

For the above size and type of pile(s) founded within the competent dense gravels, the total settlements should not exceed 10mm, with differential movements between adjacent piles being less than half this value.

The floor slabs should be designed as suspended.

9.3 Excavations and Formations

Shallow excavations will be possible with normal soil excavating machinery.

Shallow perched water flows are not expected. Any water inflows together with rainwater infiltration should be dealt with by conventional pumping techniques.

The sides of any excavations deeper than 1.0m, or shallower if unstable, should be supported by planking and strutting or other proprietary means.

The sub-formations/formations are likely to be susceptible to loosening, softening and deterioration by exposure to weather (rain, frost and drying conditions), the action of water (flood water or removal of groundwater) and site traffic.

Formations should never be left unprotected and continuously exposed to rain causing degradation, or left exposed/uncovered overnight, unless permitted by a qualified engineer.

Construction plant and other vehicular traffic should not be operated on unprotected formations.

As a minimum the formation/excavation surfaces must be protected by blinding concrete immediately after exposure.

Allowances should be made for the removal of soft spots/areas and their replacement with well compacted granular materials.

Allowances should also be made for special precautions to prevent formation deterioration in addition to the above.

9.4 Protection of Buried Concrete

Levels of total sulphate within the in-situ materials measured between <100mg/kg to 3500mg/kg and the pH varied between 7.9 and 11.3. Recorded aqueous sulphate levels were between 22mg/l and 170mg/l.

When these results are compared with Table C2 of BRE Digest 1:2005, it indicates that all buried concrete should most likely as a minimum conform to Class AC-1.

9.5 Access and Car Parking Areas

The access road and car parking will be within the existing fill materials.

For car parking and road areas, formations within the in-situ soils a CBR value of 1-3% may be used for design purposes.

Allowances should be made for the removal of any 'soft spots/areas' and their replacement with well-compacted granular materials as previously described.

Please note that the Local Council / Highways Authority may require in-situ CBR testing to be undertaken before a road is adopted.

ANNEX A
Envirocheck Report

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

29863233_1_1

Customer Reference:

10454

National Grid Reference:

331950, 187810

Slice:

A

Site Area (Ha):

0.52

Search Buffer (m):

1000

Site Details:

Site at 331900, 187780

Client Details:

Ms L Dow
Terra Firma (Wales) Ltd
5 Deryn Court
Warfdale Road
Pentwyn
Cardiff
CF23 7HB

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	14
Hazardous Substances	19
Geological	20
Industrial Land Use	21
Sensitive Land Use	48
Data Currency	49
Data Suppliers	53
Useful Contacts	54

Introduction

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

In the attached datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v47.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		3	11	11
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 7			4	8
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 8		Yes		
Pollution Incidents to Controlled Waters	pg 9		5	1	11
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances	pg 11				1
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 12				1
Water Abstractions	pg 12				2
Water Industry Act Referrals	pg 12				1
Groundwater Vulnerability	pg 12	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 12	Yes		n/a	n/a
Flooding from Rivers or Sea without Defences	pg 13	Yes	Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 14		1	1	3
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)	pg 15				1
Licensed Waste Management Facilities (Locations)	pg 15				2
Local Authority Recorded Landfill Sites					
Registered Landfill Sites	pg 15		1	1	3
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites	pg 17				4

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)	pg 19				1
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS Recorded Mineral Sites					
BGS 1:625,000 Solid Geology	pg 20	Yes	n/a	n/a	n/a
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Natural and Mining Cavities					
Potential for Collapsible Ground Stability Hazards				n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 20	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 20	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 20	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 20	Yes		n/a	n/a
Radon Potential - Radon Affected Areas	pg 20	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Shallow Mining Hazards				n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 21	1	26	73	209
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Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest	pg 48		1		
Special Areas of Conservation	pg 48		1		
Special Protection Areas					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Maindee Existing Sso Newport Urban, Maindee Existing Sso, Newport Urban Drainage Area, Newport, Newport Cbc Authority: Environment Agency, Welsh Region Catchment Area: Not Given Reference: AC0122201 Permit Version: 1 Effective Date: 23rd October 1981 Issued Date: 23rd October 1981 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Estuary Environment: Receiving Water: River Usk Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A13SW (W)	22	1	331900 187800
2	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Transport Depot Corporation Road N, Corporation Road, Newport, Newport Cbc, Np19 0bj Authority: Environment Agency, Welsh Region Catchment Area: River Usk (Afon Wysg) Reference: An0159701 Permit Version: 2 Effective Date: 14th April 2009 Issued Date: 14th April 2009 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Usk Status: Appeal by applicant: Revised by Secretary of State (Section 39) Positional Accuracy: Located by supplier to within 10m	A13NE (N)	198	1	332010 188020
2	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Transport Depot Corporation Road N, Corporation Road, Newport, Newport Cbc, Np19 0bj Authority: Environment Agency, Welsh Region Catchment Area: River Usk (Afon Wysg) Reference: AN0159701 Permit Version: 1 Effective Date: 13th December 1991 Issued Date: 13th December 1991 Revocation Date: 13th April 2009 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Usk Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A13NE (N)	198	1	332010 188020
3	Discharge Consents Operator: Robert M Douglas Holdings Ltd Property Type: Undefined Or Other Location: Newport Ebbw Vale Wharf Authority: Environment Agency, Welsh Region Catchment Area: Not Supplied Reference: Ac0116201 Permit Version: 1 Effective Date: 31st August 1978 Issued Date: 31st August 1978 Revocation Date: 29th April 1993 Discharge Type: Unspecified Discharge: Freshwater Stream/River Environment: Receiving Water: River Usk Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A12NE (W)	293	1	331580 187870

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Station - Water Company Location: Pill North Ps North Octopus Rdbt, North Of Octopus Roundabout, Newport, Newport Cbc Authority: Environment Agency, Welsh Region Catchment Area: River Usk (Afon Wysg) Reference: An0031701 Permit Version: 3 Effective Date: 11th March 2000 Issued Date: 10th March 2000 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Estuary Environment: Receiving Water: Usk Estuary Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A8NW (S)	325	1	331860 187450
4	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Station - Water Company Location: Pill North Ps North Octopus Rdbt, North Of Octopus Roundabout, Newport, Newport Cbc Authority: Environment Agency, Welsh Region Catchment Area: River Usk (Afon Wysg) Reference: An0031701 Permit Version: 3 Effective Date: 11th March 2000 Issued Date: 10th March 2000 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Estuary Environment: Receiving Water: Usk Estuary Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A8NW (S)	325	1	331860 187450
4	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Pill North Outfall Newport Authority: Environment Agency, Welsh Region Catchment Area: River Usk (Afon Wysg) Reference: AN0031701 Permit Version: 2 Effective Date: 10th October 1992 Issued Date: 9th October 1992 Revocation Date: 10th March 2000 Discharge Type: Unspecified Discharge: Saline Estuary Environment: Receiving Water: Usk Estuary Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A8NW (S)	325	1	331860 187450
4	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Pill North Outfall Newport Authority: Environment Agency, Welsh Region Catchment Area: River Usk (Afon Wysg) Reference: An0031701 Permit Version: 1 Effective Date: 20th November 1987 Issued Date: 20th November 1987 Revocation Date: 9th October 1992 Discharge Type: Unspecified Discharge: Saline Estuary Environment: Receiving Water: Usk Estuary Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 10m	A8NW (S)	325	1	331860 187450

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Station - Water Company Location: Pill North Ps North Octopus Rdbt, North Of Octopus Roundabout, Newport, Newport Cbc Authority: Environment Agency, Welsh Region Catchment Area: Not Supplied Reference: An003170102 Permit Version: 1 Effective Date: 11th March 2000 Issued Date: 10th March 2000 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Saline Estuary Environment: Receiving Water: River Usk Estuary Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A8NW (S)	329	1	331850 187450
5	Discharge Consents Operator: Tarmac Ltd Property Type: Ready Mixed Concrete Location: Great Western Wharf Mixers Newport, Wharf Mixers, Newport Cbc Authority: Environment Agency, Welsh Region Catchment Area: Not Supplied Reference: Ab0044101 Permit Version: 1 Effective Date: 25th May 1965 Issued Date: 25th May 1965 Revocation Date: 17th May 2005 Discharge Type: Unspecified Discharge: Saline Estuary Environment: Receiving Water: River Usk Estuary Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	335	1	332140 187446
5	Discharge Consents Operator: Newport Borough Council Property Type: Undefined Or Other Location: Newport Great Western Wharf Industr, Great Western Wharf Industrial Authority: Environment Agency, Welsh Region Catchment Area: River Usk (Afon Wysg) Reference: An0073201 Permit Version: 1 Effective Date: 1st August 1988 Issued Date: 1st August 1988 Revocation Date: 22nd February 1993 Discharge Type: Unspecified Discharge: Freshwater Stream/River Environment: Receiving Water: Usk Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	340	1	332140 187440
6	Discharge Consents Operator: Cashmores Stainless Property Type: Undefined Or Other Location: Old Town Dock Site Authority: Environment Agency, Welsh Region Catchment Area: Not Supplied Reference: Ac0105701 Permit Version: 1 Effective Date: 25th November 1976 Issued Date: 25th November 1976 Revocation Date: 25th September 1992 Discharge Type: Unspecified Discharge: Freshwater Stream/River Environment: Receiving Water: River Usk Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A8NW (S)	336	1	331950 187420

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Discharge Consents Operator: Cashmores Stainless Property Type: Undefined Or Other Location: Old Town Dock Site Authority: Environment Agency, Welsh Region Catchment Area: Not Supplied Reference: Ac0105702 Permit Version: 1 Effective Date: 25th November 1976 Issued Date: 25th November 1976 Revocation Date: 25th September 1992 Discharge Type: Unspecified Discharge: Freshwater Stream/River Environment: Receiving Water: River Usk Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A8NW (S)	336	1	331950 187420
7	Discharge Consents Operator: Holland Hannen & Cubitts Ltd Property Type: Undefined Or Other Location: Newport Liverpool Wharf Hollan Authority: Environment Agency, Welsh Region Catchment Area: River Usk (Afon Wysg) Reference: Ab0079201 Permit Version: 1 Effective Date: 21st July 1972 Issued Date: 21st July 1972 Revocation Date: 26th January 1994 Discharge Type: Unspecified Discharge: Saline Estuary Environment: Receiving Water: Usk Estuary Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A12NE (W)	428	1	331460 187960
8	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Corporation Rd/Gaskell Street New, Newport, Newport Cbc, Wales, Np19 0gg Authority: Environment Agency, Welsh Region Catchment Area: River Usk (Afon Wysg) Reference: An0159601 Permit Version: 2 Effective Date: 14th April 2009 Issued Date: 14th April 2009 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Usk Status: Appeal by applicant: Revised by Secretary of State (Section 39) Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	676	1	332630 187450
8	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Corporation Rd/Gaskell Street New, Newport, Newport Cbc, Wales, Np19 0gg Authority: Environment Agency, Welsh Region Catchment Area: River Usk (Afon Wysg) Reference: AN0159601 Permit Version: 1 Effective Date: 13th December 1991 Issued Date: 13th December 1991 Revocation Date: 13th April 2009 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Usk Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	676	1	332630 187450

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewage Disposal Works - Water Company Location: Town Outfall Newport, Newport Cbc, Wales Authority: Environment Agency, Welsh Region Catchment Area: River Usk (Afon Wysg) Reference: AN0031801 Permit Version: 2 Effective Date: 9th January 1993 Issued Date: 9th October 1992 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Estuary Environment: Receiving Water: Usk Estuary Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	733	1	331260 188250
9	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewage Disposal Works - Water Company Location: Town Outfall Newport, Newport Cbc, Wales Authority: Environment Agency, Welsh Region Catchment Area: River Usk (Afon Wysg) Reference: An0031801 Permit Version: 1 Effective Date: 20th November 1987 Issued Date: 20th November 1987 Revocation Date: 8th January 1993 Discharge Type: Unspecified Discharge: Saline Estuary Environment: Receiving Water: Usk Estuary Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	733	1	331260 188250
9	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Newport Town Pill Outfall Authority: Environment Agency, Welsh Region Catchment Area: River Usk (Afon Wysg) Reference: AB0079801 Permit Version: 1 Effective Date: 24th May 1972 Issued Date: 24th May 1972 Revocation Date: 11th February 2000 Discharge Type: Unspecified Discharge: Saline Estuary Environment: Receiving Water: Usk Estuary Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	751	1	331220 188220
10	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: County Existing Sso Newport Urban, Newport Urban Drainage Area, Newport, Newport Cbc Authority: Environment Agency, Welsh Region Catchment Area: Not Given Reference: AC0122101 Permit Version: 1 Effective Date: 23rd October 1981 Issued Date: 23rd October 1981 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Estuary Environment: Receiving Water: River Usk Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	734	1	332500 187200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: The Factory Compound Black Clawson, Westgate Works, East Dock Road, Np20 2bt Authority: Environment Agency, Welsh Region Catchment Area: River Usk (Afon Wysg) Reference: An0031601 Permit Version: 3 Effective Date: 31st December 2005 Issued Date: 28th November 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Estuary Environment: Receiving Water: Usk Estuary Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	743	1	332320 187078
12	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Black Clawson Outfall Newport, Gwent, Wales Authority: Environment Agency, Welsh Region Catchment Area: River Usk (Afon Wysg) Reference: AN0031601 Permit Version: 2 Effective Date: 9th January 1993 Issued Date: 9th October 1992 Revocation Date: 30th December 2005 Discharge Type: Unspecified Discharge: Saline Estuary Environment: Receiving Water: Usk Estuary Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	819	1	332330 187000
12	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Black Clawson Outfall Newport, Gwent, Wales Authority: Environment Agency, Welsh Region Catchment Area: River Usk (Afon Wysg) Reference: An0031601 Permit Version: 1 Effective Date: 20th November 1987 Issued Date: 20th November 1987 Revocation Date: 8th January 1993 Discharge Type: Unspecified Discharge: Saline Estuary Environment: Receiving Water: Usk Estuary Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	819	1	332330 187000
13	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Tregare St/Railway Bridge Newport Authority: Environment Agency, Welsh Region Catchment Area: River Usk (Afon Wysg) Reference: AN0159501 Permit Version: 1 Effective Date: 13th December 1991 Issued Date: 13th December 1991 Revocation Date: 6th June 2001 Discharge Type: Unspecified Discharge: Freshwater Stream/River Environment: Receiving Water: River Usk Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	865	1	331510 188640

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cenotaph South Sso Newport Urban D, Newport Urban Drainage Area, Newport, Wales Authority: Environment Agency, Welsh Region Catchment Area: Not Given Reference: AC0122301 Permit Version: 1 Effective Date: 23rd October 1981 Issued Date: 23rd October 1981 Revocation Date: 6th June 2001 Discharge Type: Unspecified Discharge: Freshwater Stream/River Environment: Receiving Water: River Usk Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	970	1	331400 188700
15	Local Authority Pollution Prevention and Controls Name: Newport Container Valet Ltd Location: Eastern Wharf, Corporation Road, NEWPORT, Gwent, NP Authority: Newport City Council, Public Protection and Environmental Services Permit Reference: Apa/062/99 Dated: 24th March 1994 Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles Status: Application Withdrawn Positional Accuracy: Manually positioned to the road within the address or location	A13NW (N)	251	2	331860 188111
16	Local Authority Pollution Prevention and Controls Name: L C Motors Ltd (Fiat) Location: 121 Corporation Road, NEWPORT, Gwent, NP9 0BG Authority: Newport City Council, Public Protection and Environmental Services Permit Reference: LAPPC/028/05 Dated: 27th March 1995 Process Type: Local Authority Pollution Prevention and Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input Status: Permitted Positional Accuracy: Manually positioned to the address or location	A18SW (N)	313	2	331845 188171
17	Local Authority Pollution Prevention and Controls Name: Lex Seat Location: Wharf Road, NEWPORT, Gwent, NP Authority: Newport City Council, Public Protection and Environmental Services Permit Reference: Apa/069/98 Dated: 24th March 1994 Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles Status: Application Withdrawn Positional Accuracy: Manually positioned to the road within the address or location	A13NE (NE)	313	2	332178 188062
18	Local Authority Pollution Prevention and Controls Name: Pioneer Concrete (Uk) Ltd Location: Great Western Wharf, Lilleshall Street, NEWPORT, Gwe Authority: Newport City Council, Public Protection and Environmental Services Permit Reference: Apa/010/92 Dated: 14th June 1993 Process Type: Local Authority Air Pollution Control Description: PG3/1Blending, packing, loading and use of bulk cement Status: Authorised Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	491	2	332307 187357
19	Local Authority Pollution Prevention and Controls Name: Newport Service Station Location: 57-59 Chepstow Road, NEWPORT, Gwent, NP19 8BY Authority: Newport City Council, Public Protection and Environmental Services Permit Reference: P019/05 Dated: 31st December 1998 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Automatically positioned to the address	A18SW (N)	580	2	331943 188439

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	Local Authority Pollution Prevention and Controls Name: Harcros Timber & Building Supplies Ltd Location: Bolt Street, NEWPORT, Gwent, NP9 2TJ Authority: Newport City Council, Public Protection and Environmental Services Permit Reference: APA/005/92 Dated: 11th August 1993 Process Type: Local Authority Air Pollution Control Description: PG6/2 Manufacture of timber and wood-based products Status: Authorisation has varied Positional Accuracy: Manually positioned to the address or location	A8NW (SW)	645	2	331652 187195
21	Local Authority Pollution Prevention and Controls Name: Jones & Bramely (Coachworks) Ltd Location: 389 Corporation Road, NEWPORT, Gwent, NP9 0FN Authority: Newport City Council, Public Protection and Environmental Services Permit Reference: APA/050/95 Dated: 9th July 1996 Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles Status: Authorisation revokedRevoked Positional Accuracy: Automatically positioned to the address	A14SE (E)	667	2	332653 187519
22	Local Authority Pollution Prevention and Controls Name: Shell Casnewydd Location: 17-25 Chepstow Road, NEWPORT, Gwent, NP19 8BW Authority: Newport City Council, Public Protection and Environmental Services Permit Reference: P013/05 Dated: 31st December 1998 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Automatically positioned to the address	A18NW (NW)	690	2	331659 188512
23	Local Authority Pollution Prevention and Controls Name: Stowe Woodward Ltd Location: East Usk Works, Tregare Street, NEWPORT, NP19 Authority: Newport City Council, Public Protection and Environmental Services Permit Reference: Apa/024/92 Dated: 1st November 1993 Process Type: Local Authority Air Pollution Control Description: PG6/28 Rubber processes Status: Authorisation revokedRevoked Positional Accuracy: Manually positioned to the road within the address or location	A17NE (NW)	852	2	331578 188655
24	Local Authority Pollution Prevention and Controls Name: Caerleon Service Station Location: 20-22 Caerleon Road, NEWPORT, Gwent, NP Authority: Newport City Council, Public Protection and Environmental Services Permit Reference: P014/05 Dated: 31st December 1998 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Site Closed Positional Accuracy: Manually positioned to the address or location	A18NW (N)	882	2	331839 188742
25	Local Authority Pollution Prevention and Controls Name: Johnsons Cleaners Uk Ltd Location: 38a High Street, Newport Authority: Newport City Council, Public Protection and Environmental Services Permit Reference: LAPPC/035/06 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	935	2	331008 188204
26	Local Authority Pollution Prevention and Controls Name: Bdc Concrete Products Ltd Location: Corporation Road, NEWPORT, Gwent, NP19 0WT Authority: Newport City Council, Public Protection and Environmental Services Permit Reference: Apa/019/92 Dated: 26th May 1993 Process Type: Local Authority Air Pollution Control Description: PG3/1 Blending, packing, loading and use of bulk cement Status: Application Withdrawn Positional Accuracy: Manually positioned to the address or location	A9NE (SE)	973	2	332800 187169
	Nearest Surface Water Feature	A13SW (SW)	5	-	331930 187787

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	Pollution Incidents to Controlled Waters Property Type: Other Transport Location: Rodney Road, NEWPORT Authority: Environment Agency, Welsh Region Pollutant: Rubble/Litter Or Solids Note: Weather Incident Date: 15th March 1996 Incident Reference: 28122 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (S)	113	1	332010 187650
27	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Rodney Road, NEWPORT Authority: Environment Agency, Welsh Region Pollutant: Rubble/Litter Or Solids Note: Weather Incident Date: 15th March 1996 Incident Reference: 28122 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (S)	118	1	332010 187645
28	Pollution Incidents to Controlled Waters Property Type: Not Given Location: At Rodney Parade, NEWPORT Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Note: Tidal Usk; Run-Off Incident Date: 6th August 1997 Incident Reference: 33531 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Weather Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (W)	123	1	331750 187850
29	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Below George Street Bridge Authority: Environment Agency, Welsh Region Pollutant: Chemicals - Other Organic Note: Not Supplied Incident Date: 13th July 1995 Incident Reference: 25034 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (S)	127	1	331900 187650
29	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Shaftsbury, And, George Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 12th April 1995 Incident Reference: 24252 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	161	1	331850 187650
30	Pollution Incidents to Controlled Waters Property Type: Forestry Location: Public House-forrestry, HOLLYBUSH Authority: Environment Agency, Welsh Region Pollutant: Coal Solids Note: Weather Incident Date: 6th March 1995 Incident Reference: 23461 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (SE)	455	1	332400 187500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Culvert, Riverside Off, Caerleon Road Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 14th February 1992 Incident Reference: 2722 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	585	1	331500 188300
32	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Bowketts, Transport Yard Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Not Supplied Incident Date: 26th April 1996 Incident Reference: 28432 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	665	1	332550 187350
33	Pollution Incidents to Controlled Waters Property Type: Not Given Location: NEWPORT Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 20th December 1994 Incident Reference: 22151 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	730	1	331300 188300
34	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Castle Bridge, NEWPORT Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 3rd March 1997 Incident Reference: 31552 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	796	1	331350 188450
35	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Newportbridge, George Street Bridge Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: Not Supplied Incident Date: 26th November 1994 Incident Reference: 21978 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	796	1	331300 188400
36	Pollution Incidents to Controlled Waters Property Type: Not Given Location: At Castle Br., NEWPORT Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Usk Est Incident Date: 7th October 1997 Incident Reference: 34113 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	813	1	331250 188370

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Castle Bridge, NEWPORT Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 8th May 1991 Incident Reference: 397 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	834	1	331500 188600
38	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Castle Bridge Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 8th February 1995 Incident Reference: 22590 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	866	1	331250 188450
39	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Kwik Fit Tyres, Clarence Place, NEWPORT Authority: Environment Agency, Welsh Region Pollutant: Foam/Soap Suds Note: Vandalism; Boundary Of Ha 56 & Ha 57 Incident Date: 10th September 1998 Incident Reference: 36833 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	867	1	331300 188500
40	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Surface Runoff Location: Gamborinis Garage Church Authority: Environment Agency, Welsh Region Pollutant: Industrial Solid Waste Note: Deliberate Act Incident Date: 8th November 1991 Incident Reference: 994 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	946	1	332000 188800
41	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Scrapyard, Portland Street Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 6th June 1995 Incident Reference: 24896 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	956	1	332000 186800
42	Registered Radioactive Substances Name: Black Clawson International Location: Old Town Dock, East Dock Road, NEWPORT, Gwent, NP20 2TT Authority: Environment Agency, Welsh Region Permit Reference: BG9552 Dated: 11th November 1999 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Authorisation has expired Positional Accuracy: Automatically positioned to the address	A8SE (S)	827	1	332283 186975

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	Substantiated Pollution Incident Register Authority: Environment Agency Wales, South East Area Incident Date: 26th February 2004 Incident Reference: 219414 Water Impact: Category 4 - No Impact Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Asbestos Waste	A17NE (NW)	974	1	331453 188733
44	Water Abstractions Operator: Pirelli Cables Licence Number: 20/56/11/0015 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, Welsh Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14NW (E)	603	1	332610 187955
44	Water Abstractions Operator: Pirelli Cables Licence Number: 20/56/11/0015 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, Welsh Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14NW (E)	605	1	332610 187960
45	Water Industry Act Referrals Name: Pirelli Cables Ltd Location: Wednesbury Street, NEWPORT, Gwent, NP9 0FG Authority: Environment Agency, Welsh Region Permit Reference: AI9117 Dated: 25th May 1993 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations Status: Application received by the EA but is not yet authorisedNot Yet Authorised Positional Accuracy: Automatically positioned to the address	A14SW (E)	510	1	332545 187763
	Groundwater Vulnerability Geological Classification: Minor Aquifer (Variably permeable) - These can be fractured or potentially fractured rocks, which do not have a high primary permeability, or other formations of variable permeability including unconsolidated deposits. Although not producing large quantities of water for abstraction, they are important for local supplies and in supplying base flow to rivers Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise Map Sheet: Sheet 36 Mid Glamorgan Scale: 1:100,000	A13SW (SW)	0	1	331910 187768
	Drift Deposits Drift Deposit: Low permeability drift deposits occurring at the surface and overlying Major and Minor Aquifers are head, clay-with-flints, brickearth, peat, river terrace deposits and marine and estuarine alluvium Map Sheet: Sheet 36 Mid Glamorgan Scale: 1:100,000	A13SW (SW)	0	1	331880 187740
	Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Boundary Accuracy: As Supplied	A13NE (NE)	0	1	331961 187819

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Boundary Accuracy: As Supplied	A13NE (NE)	0	1	331960 187820
	Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Boundary Accuracy: As Supplied	A13SW (W)	164	1	331723 187781
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	Historical Landfill Sites Licence Holder: Not Supplied Location: Newport, Gwent Name: Gaskell Street Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD14103 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Industrial and Household Waste Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 6935/0058 BGS Ref: Not Supplied Other Ref: Not Supplied	A13SE (E)	142	1	332175 187800
47	Historical Landfill Sites Licence Holder: Not Supplied Location: Maindee, Newport Name: Lilleshall Street Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD14094 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 6935/0023 BGS Ref: Not Supplied Other Ref: Not Supplied	A8NE (SE)	375	1	332187 187421
48	Historical Landfill Sites Licence Holder: British Dredging Concrete Products Limited Location: Corporation Road, Newport, Gwent Name: Corporation Road Spyttypl Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15041 First Input Date: 31st January 1977 Last Input Date: 30th June 1992 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 6935/0010 BGS Ref: Not Supplied Other Ref: 002/77	A9NW (SE)	675	1	332554 187338
49	Historical Landfill Sites Licence Holder: Not Supplied Location: Newport Name: Old Town Dock Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD14104 First Input Date: 31st December 1930 Last Input Date: 31st December 1936 Specified Waste: Not Supplied Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 6935/0059 BGS Ref: Not Supplied Other Ref: Not Supplied	A8SE (S)	756	1	332192 187024
50	Historical Landfill Sites Licence Holder: Corus U K Ltd Location: Corporation Road, Newport, , Gwent Name: Orb Works Landfill Operator Location: Po Box 30 Corporation Road, Newport, , Gwent Boundary Accuracy: As Supplied Provider Reference: EAHLD35618 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Industrial Waste Type: EA Waste Ref: 30012 Regis Ref: WU1/L/ORB001 WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: Not Supplied	A9NW (SE)	762	1	332537 187194

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	Licensed Waste Management Facilities (Landfill Boundaries) Name: Orb Works Landfill Licence Number: 30012 Location: Corporation Road, Newport, Gwent, NP19 4XE Licence Holder: Corus U K Ltd Authority: Environment Agency Wales, South East Area Site Category: Industrial Waste Landfills Max Input Rate: Not Supplied Licence Status: Inactive Issued: 2nd January 1986 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A9NW (SE)	762	1	332537 187194
52	Licensed Waste Management Facilities (Locations) Licence Number: 30132 Location: Baltic Oil Works, Old Town Dock, Newport, Gwent, NP20 2BW Operator Name: Orcol Fuels Ltd Operator Location: Not Supplied Authority: Environment Agency Wales, South East Area Site Category: Special Waste Transfer Stations Licence Status: Surrendered Issued: 14th June 1994 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 29th May 2002 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	817	1	331576 187041
53	Licensed Waste Management Facilities (Locations) Licence Number: 30012 Location: Corporation Road, Newport, Gwent, NP19 4XE Operator Name: Corus U K Ltd Operator Location: Not Supplied Authority: Environment Agency Wales, South East Area Site Category: Industrial Waste Landfills Licence Status: Surrendered Issued: 2nd January 1986 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 29th August 2008 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A9SE (SE)	929	1	332655 187076
	Local Authority Landfill Coverage Name: Newport County Borough Council - Has no landfill data to supply		0	5	330844 191655
54	Registered Landfill Sites Licence Holder: G.J.N. Steelstock Ltd Licence Reference: 001/77 Site Location: Riverbank, Mariners Wharf, Newport, Gwent Licence Easting: 331750 Licence Northing: 187700 Operator Location: Mariners Wharf, Newport, Gwent Authority: Environment Agency Wales, South East Area Site Category: Landfill Max Input Rate: Undefined Waste Source: Only waste produced on site Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st March 1977 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Accuracy: Not Applicable Authorised Waste: Hardcore And Rubble	A13SW (SW)	92	1	331838 187747

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	Registered Landfill Sites Licence Holder: Douglas Plant Ltd Licence Reference: 027/80 Site Location: Riverbank, Ebbw Vale Wharf, Newport, Gwent Licence Easting: 331500 Licence Northing: 187900 Operator Location: 209 Walsall Road, Perry Bar, BIRMINGHAM, West Midlands, B42 1BS Authority: Environment Agency Wales, South East Area Site Category: Landfill Max Input Rate: Undefined Waste Source: Only waste produced on site Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st September 1980 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Accuracy: Not Applicable Authorised Waste: Hardcore And Rubble Inert Waste	A12NE (W)	276	1	331598 187879
56	Registered Landfill Sites Licence Holder: British Dredging/Conc.Prod'S Ltd Licence Reference: 002/77 Site Location: Corporation Road, Newport, Gwent Licence Easting: 332600 Licence Northing: 187150 Operator Location: As Site Address Authority: Environment Agency Wales, South East Area Site Category: Landfill Max Input Rate: Undefined Waste Source: Only waste produced on site Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st March 1977 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Accuracy: Not Applicable Authorised Waste: Hardcore And Rubble	A9NW (SE)	737	1	332531 187222
57	Registered Landfill Sites Licence Holder: Orb Electrical Steels Ltd Licence Reference: 038/86 Site Location: Orb Works, NEWPORT, Gwent, NP9 0XT Licence Easting: 332650 Licence Northing: 187100 Operator Location: Po.Box 30, Newport, Gwent Authority: Environment Agency Wales, South East Area Site Category: Landfill Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: Only waste produced on site Restrictions: Status: Operational as far as is knownOperational Dated: 2nd January 1986 Preceded By: 005/77 Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Natural Stone & Slate Soil, Subsoil, Excavation Waste Prohibited Waste: Biodegradable Waste Poisonous, Noxious, Polluting Wastes Pumpable Sludges (< 20% Dry Solids) Substances In Eec Dir. 80/68 Waste In Sealed Drums Waste N.O.S.	A9SE (SE)	908	1	332650 187100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
57	Registered Landfill Sites Licence Holder: British Steel Licence Reference: 005/77 Site Location: Orb Works, NEWPORT, Gwent, NP9 0XT Licence Easting: 332650 Licence Northing: 187100 Operator Location: Po.Box 30, Newport, Gwent Authority: Environment Agency Wales, South East Area Site Category: Landfill Max Input Rate: Undefined Waste Source: Only waste produced on site Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st June 1977 Preceded By: Not Given Licence: Superseded By: 038/86 Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Construction And Demolition Wastes Process Waste	A9SE (SE)	908	1	332650 187100
58	Registered Waste Treatment or Disposal Sites Licence Holder: Newport Salvage Ltd Licence Reference: SDL/003/93 Site Location: Old Town Dock, East Dock Street, Newport, Gwent Operator Location: As Site Address Authority: Environment Agency Wales, South East Area Site Category: Scrapyard - with Transfer Station Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Licence has completion certificateSurrendered Dated: 1st April 1993 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Approximate location provided by supplier Boundary Quality: Not Supplied Authorised Waste: Asbestos Max.Stor Brick Max.Stor Ferrous Metals Max.Stor Glass Max.Stor Non-Ferrous Metals Max.Stor Timber Max.Stor Prohibited Waste: Flammable Waste Incl Petrol Percussive/Explosive Waste Radioactive Wastes Special Wastes	A8SE (S)	665	1	332100 187100
59	Registered Waste Treatment or Disposal Sites Licence Holder: Standard Telephones & Cables Ltd Licence Reference: 008/77 Site Location: Wednesbury Street, NEWPORT, Gwent, NP7 0WS Operator Location: As Site Address Authority: Environment Agency Wales, South East Area Site Category: Incineration Max Input Rate: Undefined Waste Source: Only waste produced on site Restrictions: Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st June 1977 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Approximate location provided by supplier Boundary Quality: Not Supplied Authorised Waste: Non-Hazardous Waste Paper/Cardboard Waste Wood Waste/Timber	A14NE (E)	677	1	332700 187900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
60	Registered Waste Treatment or Disposal Sites Licence Holder: Orcol Fuels Ltd (Greenway Holdings) Plc Licence Reference: 074/94 Site Location: Baltic Oil Works, Old Town Dock, NEWPORT, Gwent, NP9 2BW Operator Location: Valley Road, Morley, LEEDS, West Yorkshire, LS27 8ES Authority: Environment Agency Wales, South East Area Site Category: Recovery Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 14th June 1994 Preceded By: 058/89 Licence: Superseded By: Not Given Licence: Positional Accuracy: Positioned by the supplier Boundary Quality: Good Authorised Waste: Fuel Oil Max.Storage In Licence Max.Waste Permitted By Licence Mineral Oils Oil/Water Mixtures Prohibited Waste: Oils/Solvents With > 50ppm Pcbs Percussive/Explosive/Similar Waste Special Wastes N.O.S. Sub'S Control. Radioactive Subs Act'60 Waste N.O.S. Waste With Free Flam.Solvents	A8SE (S)	888	1	332122 186879
61	Registered Waste Treatment or Disposal Sites Licence Holder: Henry Morris (1958) Ltd Licence Reference: 058/89 Site Location: Old Town Dock, Baltic Oil Works, Newport, Gwent Operator Location: As Site Address Authority: Environment Agency Wales, South East Area Site Category: Recovery Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st August 1989 Preceded By: Not Given Licence: Superseded By: 074/94 Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Fuel Oil Mineral Oils Oil/Water Mixtures Prohibited Waste: Pcb Contamination	A8SE (S)	916	1	332120 186850

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
62	Control of Major Accident Hazards Sites (COMAH) Name: Orb Electrical Steels Ltd Location: Po Box 30, NEWPORT, Gwent, NP19 0XT Reference: Not Supplied Type: Upper Tier Status: Record Ceased To Be Supplied Under COMAH Regulations Positional Accuracy: Manually positioned to the address or location	A14NE (E)	630	3	332662 187832

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Lower Old Red Sandstone, including Downtonian	A13SE (SE)	0	4	332175 187482
	Coal Mining Affected Areas In an area which may not be affected by coal mining				
	Potential for Collapsible Ground Stability Hazards No Hazard				
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A19SW (NE)	0	4	332500 188250
	Potential for Ground Dissolution Stability Hazards No Hazard				
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	4	331925 187800
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	2	4	331925 187800
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	143	4	331875 187650
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	223	4	331675 187950
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A19SW (NE)	0	4	332500 188250
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A19SW (NE)	0	4	332500 188250
	Radon Potential - Radon Affected Areas Affected Area: The property is in a radon affected area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A9NW (SE)	0	4	332550 187350
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A9NW (SE)	0	4	332550 187350
	Shallow Mining Hazards No Hazard				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	Contemporary Trade Directory Entries Name: Leading Edge Joinery Location: Unit 1, Bankside Enterprise Park, Coverack Rd, Newport, Gwent, NP19 0DS Classification: Joinery Manufacturers Status: Active Positional Accuracy: Manually positioned to the address or location	A13SW (W)	0	-	331945 187804
64	Contemporary Trade Directory Entries Name: Harry S Jenkins Ltd Location: Coverack Road, Newport, Gwent, NP19 0DS Classification: Builders' Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	7	-	332019 187760
65	Contemporary Trade Directory Entries Name: Helen May Housekeeping Location: 30, Morris Street, Newport, Gwent, NP19 0DR Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	62	-	332010 187866
65	Contemporary Trade Directory Entries Name: Helen May Ltd Location: 30, Morris Street, Newport, Gwent, NP19 0DR Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	62	-	332010 187866
66	Contemporary Trade Directory Entries Name: Sunshade Location: 3, Coverack Road, Newport, Gwent, NP19 0DS Classification: Soft Furnishings - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (E)	137	-	332129 187873
66	Contemporary Trade Directory Entries Name: South Wales Engineering & Finishing Location: 188, Corporation Road, Newport, Gwent, NP19 0DQ Classification: Sheet Metal Work Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	150	-	332119 187904
66	Contemporary Trade Directory Entries Name: M C Domestic Location: 201, Corporation Road, Newport, Gwent, NP19 0EB Classification: Washing Machines - Servicing & Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	187	-	332144 187931
67	Contemporary Trade Directory Entries Name: Gwent Domestic Appliances Location: Witham St, Newport, Gwent, NP19 0DX Classification: Washing Machines - Servicing & Repairs Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13SE (E)	159	-	332190 187806
67	Contemporary Trade Directory Entries Name: Im Communications Location: 236, Corporation Road, Newport, Gwent, NP19 0DZ Classification: Mobile Phone Accessories and Car Kits Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	186	-	332204 187850
68	Contemporary Trade Directory Entries Name: Tri-City Catering Equipment Location: 178, Corporation Road, Newport, Gwent, NP19 0DQ Classification: Catering Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	162	-	332049 187959
68	Contemporary Trade Directory Entries Name: M C Catering Equipment Location: 170, Corporation Road, Newport, Gwent, NP19 0DQ Classification: Catering Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	166	-	332030 187974
68	Contemporary Trade Directory Entries Name: M C Catering Equipment Location: 170, Corporation Road, Newport, Gwent, NP19 0DQ Classification: Catering Equipment Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	166	-	332030 187974

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
68	Contemporary Trade Directory Entries Name: R Swain & Sons Ltd Location: Corporation Rd, Newport, Gwent, NP19 0BJ Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13NE (NE)	180	-	332042 187982
68	Contemporary Trade Directory Entries Name: Douglas Pulleys Ltd Location: 177, Corporation Road, Newport, Gwent, NP19 0BJ Classification: Lifting Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	196	-	332055 187994
68	Contemporary Trade Directory Entries Name: Smartclean Uk Ltd Location: 177, Corporation Road, Newport, Gwent, NP19 0BJ Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	196	-	332055 187994
68	Contemporary Trade Directory Entries Name: Newport & Mon Typewriter Co Ltd Location: 165, Corporation Road, Newport, Gwent, NP19 0BJ Classification: Office Furniture & Equipment Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (N)	207	-	332028 188021
69	Contemporary Trade Directory Entries Name: Newport Transport Ltd Location: 160, Corporation Road, Newport, Gwent, NP19 0WF Classification: Bus & Coach Operators & Stations Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (N)	175	-	331978 188011
70	Contemporary Trade Directory Entries Name: John Williams Transport (Newport) Ltd Location: Care Of Alpha Steel, Corporation Rd, Newport, Gwent, NP19 4XE Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13NW (N)	199	-	331944 188052
71	Contemporary Trade Directory Entries Name: N K N Location: Gloucester Wharf, Old Town Dock, Newport, Gwent, NP20 2BW Classification: Car Breakers & Dismantlers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A13SW (SW)	211	-	331834 187596
72	Contemporary Trade Directory Entries Name: Kelvedon Coach Painting Co Location: Kelvedon Street, Newport, Gwent, NP19 0DW Classification: Commercial Vehicle Bodybuilders & Repairers Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	213	-	332223 187670
72	Contemporary Trade Directory Entries Name: Delta Printing Location: 13, Kelvedon Street, Newport, Gwent, NP19 0DW Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	234	-	332246 187669
73	Contemporary Trade Directory Entries Name: Print Source Location: 256, Corporation Road, Newport, Gwent, NP19 0DZ Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (E)	218	-	332248 187817
73	Contemporary Trade Directory Entries Name: Sunlux Blinds Curtains Interiors Ltd Location: 262, Corporation Road, Newport, Gwent, NP19 0DZ Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (E)	236	-	332269 187804
73	Contemporary Trade Directory Entries Name: Beechwood Location: 264-272, Corporation Road, Newport, Gwent, NP19 0DZ Classification: Gas Suppliers - Bottled Status: Active Positional Accuracy: Manually positioned to the address or location	A13SE (E)	240	-	332274 187802

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
73	Contemporary Trade Directory Entries Name: Beechwood Bottled Gas Location: 264-272, Corporation Road, Newport, Gwent, NP19 0DZ Classification: Gas Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (E)	240	-	332274 187802
73	Contemporary Trade Directory Entries Name: Beechwood Bottled Gas Location: 264-272, Corporation Road, Newport, Gwent, NP19 0DZ Classification: Gas Suppliers Status: Active Positional Accuracy: Manually positioned to the address or location	A13SE (E)	240	-	332274 187802
74	Contemporary Trade Directory Entries Name: Scott'S Mot Centre Location: 130-136, Corporation Road, Newport, Gwent, NP19 0BH Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	241	-	331830 188095
75	Contemporary Trade Directory Entries Name: P J Autos Location: Victoria Wharf, River Banks, Newport, Gwent, NP20 2BS Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	260	-	331851 187525
75	Contemporary Trade Directory Entries Name: Diamond Motors Location: Victoria Wharf, River Banks, Newport, Gwent, NP20 2BS Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	260	-	331851 187525
75	Contemporary Trade Directory Entries Name: Industrial Door Services Location: Victoria Wharf, River Banks, Newport, Gwent, NP20 2BS Classification: Door Manufacturers - Industrial Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	260	-	331851 187525
76	Contemporary Trade Directory Entries Name: S Dunn Location: Corporation Rd, Newport, Gwent, NP19 0FN Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14SW (E)	260	-	332293 187806
76	Contemporary Trade Directory Entries Name: Alex Thom Motors Ltd Location: 261, Corporation Road, Newport, Gwent, NP19 0EA Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	288	-	332321 187808
77	Contemporary Trade Directory Entries Name: Neilson Forwarding Location: 5, Willenhall Street, Newport, Gwent, NP19 0DJ Classification: Freight Forwarders Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	270	-	332240 187594
78	Contemporary Trade Directory Entries Name: Cbs Ltd Location: Kelvedon St, Newport, Gwent, NP19 0DW Classification: Builders' Merchants Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14SW (E)	282	-	332314 187730
78	Contemporary Trade Directory Entries Name: Kolor Cymreig Location: Kelvedon Street, Newport, Gwent, NP19 0DW Classification: Coating Specialists Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A14SW (E)	284	-	332316 187734
78	Contemporary Trade Directory Entries Name: Delta Printing Location: Kelvedon Street, Newport, Gwent, NP19 0DW Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A14SW (E)	284	-	332316 187734

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
78	Contemporary Trade Directory Entries Name: Technicolour Coating Location: 3A Kelvedon St, Newport, Gwent, NP19 0DW Classification: Coating Specialists Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14SW (E)	286	-	332319 187734
79	Contemporary Trade Directory Entries Name: N G Davies And Co Location: 12, Granville Lane, Newport, Gwent, NP20 2AL Classification: Gearboxes Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	283	-	331665 187655
79	Contemporary Trade Directory Entries Name: Embassy Garage Location: 10, Granville Lane, Newport, Gwent, NP20 2AL Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	283	-	331665 187655
79	Contemporary Trade Directory Entries Name: N & N Autos Location: 12, Granville Lane, Newport, Gwent, NP20 2AL Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	283	-	331665 187655
79	Contemporary Trade Directory Entries Name: Radvalve Turned Parts Ltd Location: 5-6, Granville Lane, Newport, Gwent, NP20 2AL Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (W)	284	-	331643 187680
79	Contemporary Trade Directory Entries Name: Bjd Manufacturers Location: 5-6, Granville Lane, Newport, Gwent, NP20 2AL Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (W)	284	-	331643 187680
79	Contemporary Trade Directory Entries Name: Rtm Motorsports Location: 7 Granville La, Newport, Gwent, NP20 2AL Classification: Alloys Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13SW (SW)	284	-	331672 187646
79	Contemporary Trade Directory Entries Name: Nationwide Autocentre Location: Granville Square, Newport, Gwent, NP20 2AB Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	315	-	331617 187665
79	Contemporary Trade Directory Entries Name: Emlyn Canvas & Cordage Location: Granville Square, Newport, Gwent, NP20 2AB Classification: Tarpaulins Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	315	-	331617 187665
79	Contemporary Trade Directory Entries Name: Granville Square Vehicle Repair Centre Location: Granville Square, Newport, Gwent, NP20 2AB Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	315	-	331617 187665
79	Contemporary Trade Directory Entries Name: Puddifer Auto Services Location: Granville Square, Newport, Gwent, NP20 2AB Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	315	-	331617 187665
79	Contemporary Trade Directory Entries Name: Bob Downen Location: Granville Square, Newport, Gwent, NP20 2AB Classification: Car Engine Tuning & Diagnostic Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	315	-	331617 187665

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
79	Contemporary Trade Directory Entries Name: Nationwide Autocentre Location: Granville Square, Newport, Gwent, NP20 2AB Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	319	-	331637 187632
80	Contemporary Trade Directory Entries Name: J & A Phillips Builders Merchants Location: 13, Granville Lane, Newport, Gwent, NP20 2AL Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	285	-	331682 187636
81	Contemporary Trade Directory Entries Name: Dave Howard Location: 25, Vivian Road, Newport, Gwent, NP19 0ER Classification: Cleaning Services - Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	311	-	332314 187910
82	Contemporary Trade Directory Entries Name: L C Motors Location: 121, Corporation Road, Newport, Gwent, NP19 0BG Classification: Car Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	313	-	331845 188171
82	Contemporary Trade Directory Entries Name: Rugby Road Garage Location: Rugby Road Garage, 32a, Rugby Road, Newport, Gwent, NP19 0BS Classification: Mot Testing Centres Status: Active Positional Accuracy: Manually positioned to the address or location	A18SW (N)	314	-	331863 188174
83	Contemporary Trade Directory Entries Name: M & M Motors Ltd Location: Granville Sq, Newport, Gwent, NP20 2AB Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A13SW (SW)	340	-	331622 187618
84	Contemporary Trade Directory Entries Name: Newport Car Sales Location: Granville Sq, Newport, Gwent, NP20 2AB Classification: Car Dealers - Used Status: Active Positional Accuracy: Manually positioned within the geographical locality	A12SE (SW)	345	-	331615 187618
85	Contemporary Trade Directory Entries Name: Pavcost Manufacturing Ltd Location: Lilleshall Street, Newport, Gwent, NP19 0FB Classification: Electronic Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (SE)	345	-	332338 187606
85	Contemporary Trade Directory Entries Name: L & R Transport Services Ltd Location: 33 Lilleshall St, Newport, Gwent, NP19 0FB Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14SW (SE)	362	-	332356 187605
86	Contemporary Trade Directory Entries Name: Trailer Fabrications Location: 6, Lilleshall Street, Newport, Gwent, NP19 0FB Classification: Trailers & Towing Equipment Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (E)	349	-	332373 187684
87	Contemporary Trade Directory Entries Name: Tankspeed-Fraikin Ltd Location: 87, Argosy Way, Newport, Gwent, NP19 0DH Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (SE)	350	-	332176 187445
88	Contemporary Trade Directory Entries Name: South Wales Sand & Gravel Location: Lilleshall St, Newport, Gwent, NP19 0FB Classification: Sand, Gravel & Other Aggregates Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14SW (SE)	352	-	332303 187542

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
89	Contemporary Trade Directory Entries Name: Instant Assistance Location: Unit 23, Phoenix Business Park, Telford St, Newport, Gwent, NP19 0LW Classification: Electrical Engineers Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A14NW (E)	355	-	332387 187822
90	Contemporary Trade Directory Entries Name: Auto Byback Ltd Location: 273, Corporation Road, Newport, Gwent, NP19 0FD Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	356	-	332391 187757
90	Contemporary Trade Directory Entries Name: Vanmen (Newport) Ltd Location: 273, Corporation Road, Newport, Gwent, NP19 0FD Classification: Commercial Vehicle Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	356	-	332391 187757
90	Contemporary Trade Directory Entries Name: City Motors Location: 273, Corporation Road, Newport, Gwent, NP19 0FD Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (E)	356	-	332391 187757
91	Contemporary Trade Directory Entries Name: Unit 4 Vehicle Repairs Location: Granville Street, Newport, Gwent, NP20 2AE Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned in the proximity of the address	A12SE (W)	363	-	331557 187670
91	Contemporary Trade Directory Entries Name: Hmc Fleet Maintenance Centre Location: Granville Street, Newport, Gwent, NP20 2AE Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A12SE (W)	363	-	331557 187670
91	Contemporary Trade Directory Entries Name: The Alloy Wheel Refurbishment Centre Location: 7, Granville Street, Newport, Gwent, NP20 2AE Classification: Alloys Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	363	-	331557 187670
91	Contemporary Trade Directory Entries Name: Premiership Ltd Location: Old Custom House, 74, Lower Dock Street, NEWPORT, Gwent, NP20 1EH Classification: Freight Forwarders Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (SW)	397	-	331538 187634
91	Contemporary Trade Directory Entries Name: Nigel Harrison Location: 71-73, Lower Dock Street, Newport, Gwent, NP20 1EH Classification: Clothing & Fabrics - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	408	-	331515 187652
92	Contemporary Trade Directory Entries Name: Robert Price (Builders Merchants) Ltd Location: Rodney Road, NEWPORT, Gwent, NP19 0UQ Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A12NE (NW)	364	-	331604 188092
93	Contemporary Trade Directory Entries Name: Pump Express Location: 15, Cross Lane, Newport, Gwent, NP20 1ES Classification: Pumps - Sales, Servicing & Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	417	-	331458 187798
94	Contemporary Trade Directory Entries Name: Centre Car Services Location: Cross La, Newport, Gwent, NP20 1ES Classification: Mot Testing Centres Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A12SE (W)	426	-	331452 187782

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
94	Contemporary Trade Directory Entries Name: Nick Godsall Location: Cross La, Newport, Gwent, NP20 1ES Classification: Garage Services Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A12SE (W)	427	-	331451 187781
94	Contemporary Trade Directory Entries Name: Pump Express Ltd Location: 61-62, Lower Dock Street, Newport, Gwent, NP20 1EF Classification: Pumps - Sales, Servicing & Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	447	-	331442 187729
94	Contemporary Trade Directory Entries Name: Cbl Autos Location: 3 Cross La, Newport, Gwent, NP20 1ES Classification: Garage Services Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A12SE (W)	455	-	331426 187762
94	Contemporary Trade Directory Entries Name: Super Tune Location: 57a, Lower Dock Street, Newport, Gwent, NP20 1EF Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	472	-	331409 187759
94	Contemporary Trade Directory Entries Name: Auto Super Tune Location: 57a, Lower Dock Street, Newport, Gwent, NP20 1EF Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	472	-	331409 187759
94	Contemporary Trade Directory Entries Name: Photosmart Location: Unit 80 Inshops Centre, Kingsway, Newport, Gwent, NP9 1PL Classification: Photographic Processors Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A12SE (W)	501	-	331380 187754
95	Contemporary Trade Directory Entries Name: Alcoplan Location: 65, Marlborough Road, Newport, Gwent, NP19 0BY Classification: Aluminium Fabricators Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	429	-	332074 188248
96	Contemporary Trade Directory Entries Name: Aqua Status Waterbed Centre Location: 112-113, Lower Dock Street, NEWPORT, Gwent, NP20 2AF Classification: Bed & Mattress Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	433	-	331583 187526
96	Contemporary Trade Directory Entries Name: The Cateriftics Location: 112, Lower Dock Street, Newport, Gwent, NP20 2AF Classification: Catering Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	434	-	331588 187521
97	Contemporary Trade Directory Entries Name: V Gabica & Co Ltd Location: Walsall Street, Newport, Gwent, NP19 0FF Classification: Scrap Metal Merchants Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A14SW (E)	437	-	332471 187798
98	Contemporary Trade Directory Entries Name: Wildheart Pets & Pet Supplies Location: Wharf Road Warehouse, Wharf Road, Newport, Gwent, NP19 8ET Classification: Pet Foods & Animal Feeds Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A18SE (NE)	443	-	332250 188170
98	Contemporary Trade Directory Entries Name: Prestige Blinds Location: Wharf Road, Newport, Gwent, NP19 8ET Classification: Blinds, Awnings & Canopies Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (NE)	487	-	332258 188216

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
98	Contemporary Trade Directory Entries Name: Prestige Blinds & Interiors Ltd Location: Wharf Road, Newport, Gwent, NP19 8ET Classification: Blinds, Awnings & Canopies Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (NE)	487	-	332258 188216
98	Contemporary Trade Directory Entries Name: Prestige Blinds & Interiors Location: Wharf Road, Newport, Gwent, NP19 8ET Classification: Blinds, Awnings & Canopies Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (NE)	487	-	332258 188216
99	Contemporary Trade Directory Entries Name: Richard Hope Location: Corporation Rd, Newport, Gwent, NP19 4XE Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14SW (E)	467	-	332484 187642
100	Contemporary Trade Directory Entries Name: Chunkly Motors Location: 3, East Market Street, Newport, Gwent, NP20 2AY Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	472	-	331614 187447
100	Contemporary Trade Directory Entries Name: Millennium Motors Location: 3, East Market Street, Newport, Gwent, NP20 2AY Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	472	-	331614 187447
100	Contemporary Trade Directory Entries Name: Filtech Ltd Location: 3a, East Market Street, Newport, Gwent, NP20 2AY Classification: Hydraulic Equipment & Accessories - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	474	-	331608 187451
100	Contemporary Trade Directory Entries Name: Filtech 2000 Location: 1-2, East Market Street, Newport, Gwent, NP20 2AY Classification: Filter Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	474	-	331608 187451
100	Contemporary Trade Directory Entries Name: Filtech (2000) Ltd Location: East Market St, Newport, Gwent, NP20 2AY Classification: Filter Manufacturers & Suppliers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	475	-	331608 187450
100	Contemporary Trade Directory Entries Name: Filtech 2000 Location: THE MILL, East Market St, Newport, Gwent, NP20 2AY Classification: Filtration Systems & Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	475	-	331608 187450
100	Contemporary Trade Directory Entries Name: Filtech 2000 Location: The Mill, East Market St, Newport, Gwent, NP20 2AY Classification: Filtration Systems & Services Status: Active Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	475	-	331608 187450
100	Contemporary Trade Directory Entries Name: Filtech 2000 Ltd Location: 1-2, East Market Street, Newport, Gwent, NP20 2AY Classification: Hydraulic Engineers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A7NE (SW)	480	-	331599 187452
101	Contemporary Trade Directory Entries Name: Charisma Blinds Location: Unit 2 Towngate Business Park, Corporation Rd, Newport, Gwent, NP9 0YT Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18SW (NW)	474	-	331674 188284

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
102	Contemporary Trade Directory Entries Name: Pulse Sports Location: 4-6, Mellon Street, Newport, Gwent, NP20 1EP Classification: T-Shirts Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	475	-	331431 187672
103	Contemporary Trade Directory Entries Name: P G Motors Location: 60, Corporation Road, Newport, Gwent, NP19 0AX Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	484	-	331652 188283
103	Contemporary Trade Directory Entries Name: Colins Auto Repair Service Location: 56a, Corporation Road, Newport, Gwent, NP19 0AW Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	492	-	331624 188277
103	Contemporary Trade Directory Entries Name: J & L Motors Location: A, 56, Corporation Road, Newport, Gwent, NP19 0AW Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	492	-	331624 188277
104	Contemporary Trade Directory Entries Name: Aluminium & Plastics Ltd Location: A, 29, Marlborough Road, Newport, Gwent, NP19 0BX Classification: Plastic Products - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	492	-	331979 188345
105	Contemporary Trade Directory Entries Name: Fgs Electrical Services Location: 3a, Speke Street, Newport, Gwent, NP19 8EX Classification: Electrical Engineers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SE (NE)	507	-	332159 188290
106	Contemporary Trade Directory Entries Name: Offset Printers Ltd Location: Barnabus House, New Ruperra Street, Newport, Gwent, NP20 2BB Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	509	-	331508 187492
106	Contemporary Trade Directory Entries Name: Newport Offset Ltd Location: Barnabus House, New Ruperra Street, Newport, Gwent, NP20 2BB Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (SW)	509	-	331508 187492
106	Contemporary Trade Directory Entries Name: Cool Runningz Location: 64, George Street, Newport, Gwent, NP20 2AA Classification: Air Conditioning & Refrigeration Contractors Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	523	-	331468 187516
107	Contemporary Trade Directory Entries Name: Sytner Newport Bmw Location: Usk Way, Newport, Gwent, NP20 2DS Classification: Car Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A8NW (S)	511	-	331883 187253
108	Contemporary Trade Directory Entries Name: Bernards Location: Cattle Market, Tredegar Street, Newport, Gwent, NP20 2TN Classification: Agricultural Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	515	-	331538 187457
109	Contemporary Trade Directory Entries Name: Wash-Vac Location: 24 Kingsway, Newport, Gwent, NP20 1EX Classification: Washing Machines - Servicing & Repairs Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A12NE (W)	526	-	331356 187945

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
110	Contemporary Trade Directory Entries Name: Wilkinson Location: Unit 2, Emlyn Sq, Kingsway Centre, Newport, Gwent, NP20 1HY Classification: Hardware Status: Active Positional Accuracy: Manually positioned within the geographical locality	A12NE (W)	533	-	331340 187842
110	Contemporary Trade Directory Entries Name: Photosmart Location: Unit 28 Inshops Centre, Kingsway Centre, Newport, Gwent, NP20 1EX Classification: Photographic Processors Status: Active Positional Accuracy: Manually positioned to the address or location	A12SE (W)	552	-	331322 187802
110	Contemporary Trade Directory Entries Name: Shopmobility Location: Emlyn Sq, Kingsway Centre, Newport, Gwent, NP20 1HY Classification: Disability Equipment - Manufacturers & Suppliers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A12SE (W)	552	-	331322 187802
111	Contemporary Trade Directory Entries Name: A1 Blinds Location: Wharf Rd, Newport, Gwent, NP19 8ET Classification: Blinds, Awnings & Canopies Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A19SW (NE)	555	-	332338 188246
111	Contemporary Trade Directory Entries Name: Prestige Blinds Location: Wharf Road, Newport, Gwent, NP19 8ET Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A19SW (NE)	577	-	332363 188255
111	Contemporary Trade Directory Entries Name: Beechwood Salvage Location: Wharf Road, Newport, Gwent, NP19 8ET Classification: Salvage Dealers Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A19SW (NE)	577	-	332363 188255
111	Contemporary Trade Directory Entries Name: Prestige Blinds & Interiors Ltd Location: Wharf Road, NEWPORT, Gwent, NP19 8ET Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A19SW (NE)	596	-	332362 188280
112	Contemporary Trade Directory Entries Name: Clarkes Metal Merchants Ltd Location: 39, Livingstone Place, Newport, Gwent, NP19 8EW Classification: Scrap Metal Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (NE)	556	-	332197 188326
112	Contemporary Trade Directory Entries Name: Decorating Supplies Location: 114, Chepstow Road, Newport, Gwent, NP19 8EF Classification: Wallpapers & Wall Coverings Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	574	-	332174 188358
113	Contemporary Trade Directory Entries Name: Faber & Smith Ltd Location: 396-398, Corporation Road, Newport, Gwent, NP19 0GA Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (SE)	561	-	332551 187550
113	Contemporary Trade Directory Entries Name: Rmc (Western) Location: Eastern Wharf, Corporation Rd, Newport, Gwent, NP19 4RE Classification: Concrete & Mortar Ready Mixed Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14SW (SE)	582	-	332573 187550
113	Contemporary Trade Directory Entries Name: Thomas & Strong Ltd Location: 408, Corporation Road, Newport, Gwent, NP19 0GA Classification: Cleaning Materials & Equipment Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (SE)	592	-	332572 187523

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
114	Contemporary Trade Directory Entries Name: Millenium Motors Location: 1a, Bedford Road, Newport, Gwent, NP19 0AZ Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	564	-	331657 188376
114	Contemporary Trade Directory Entries Name: Millennium Motors Location: A, 1, Bedford Road, Newport, Gwent, NP19 0AZ Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	564	-	331657 188376
114	Contemporary Trade Directory Entries Name: D & S Car Repairs Location: 1 Bedford Rd, Newport, Gwent, NP19 0AZ Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SW (NW)	594	-	331650 188406
115	Contemporary Trade Directory Entries Name: Glamorgam Farm Supplies Location: The Cattle Market, Tredegar Street, Newport, Gwent, NP20 2BE Classification: Agricultural Merchants Status: Inactive Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	574	-	331543 187374
116	Contemporary Trade Directory Entries Name: Machine Tool Repair Location: 5, Beresford Road, Newport, Gwent, NP19 0AU Classification: Tool Sharpening, Repairing & Servicing Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	574	-	331564 188335
117	Contemporary Trade Directory Entries Name: Nationwide Autocentre Location: 32, Ebenezer Terrace, Newport, Gwent, NP20 1ET Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (SW)	578	-	331374 187555
118	Contemporary Trade Directory Entries Name: Newport Service Station Location: 57-59, Chepstow Road, Newport, Gwent, NP19 8BY Classification: Petrol Filling Stations - 24 Hour Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	580	-	331943 188439
119	Contemporary Trade Directory Entries Name: Alan Turner Location: Kingsway, Newport, Gwent, NP20 1EY Classification: Fireplaces & Mantelpieces Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	586	-	331346 187591
119	Contemporary Trade Directory Entries Name: Apollo Blinds Location: 87d, Commercial Street, Newport, Gwent, NP20 1LS Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	591	-	331324 187626
119	Contemporary Trade Directory Entries Name: C Marks & Co Location: 88-89, Commercial Street, Newport, Gwent, NP20 1LS Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	602	-	331328 187591
120	Contemporary Trade Directory Entries Name: Bryan Bros Trucks Location: Usk Way, Newport, Gwent, NP20 2DS Classification: Commercial Vehicle Bodybuilders & Repairers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8NW (S)	586	-	331873 187178
121	Contemporary Trade Directory Entries Name: S J Joinery Location: Unit 1A, Enterprise Way, Newport, Gwent, NP20 2AQ Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	589	-	331728 187219

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
122	Contemporary Trade Directory Entries Name: South Wales Electrical Goods Location: 77, Commercial Street, Newport, Gwent, NP20 1LR Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	599	-	331295 187686
123	Contemporary Trade Directory Entries Name: Frank Burston & Son Location: 55, Chepstow Road, Newport, Gwent, NP19 8BX Classification: Coal & Smokeless Fuel Merchants & Distributors Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	608	-	331823 188466
124	Contemporary Trade Directory Entries Name: Polymer Pumps Ltd Location: East Dock Rd, Newport, Gwent, NP20 2BT Classification: Engineers - General Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8NE (S)	609	-	332070 187154
125	Contemporary Trade Directory Entries Name: Prestige Print Location: 5, Commercial Road, Newport, Gwent, NP20 2PA Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	613	-	331371 187496
126	Contemporary Trade Directory Entries Name: Wallpaper World Location: 100-101, Commercial Street, Newport, Gwent, NP20 1LU Classification: Wallpapers & Wall Coverings Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	636	-	331307 187558
127	Contemporary Trade Directory Entries Name: Newport Autotint Location: 22a, Prince Street, Newport, Gwent, NP19 8DS Classification: Window Tinting Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	638	-	331940 188497
128	Contemporary Trade Directory Entries Name: Cambrian Fuel Card Services Ltd Location: White Hart Ho, Tredegar St, Newport, Gwent, NP20 2BE Classification: Oil Fuel Distributors Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A7NE (SW)	645	-	331453 187358
129	Contemporary Trade Directory Entries Name: Embassy Windows Location: 2-4, Chepstow Road, Newport, Gwent, NP19 8EA Classification: Window Frames - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A18SW (NW)	649	-	331638 188461
130	Contemporary Trade Directory Entries Name: Cottage Confectionery Ltd Location: 2-6, Conway Road, Newport, Gwent, NP19 8PA Classification: Confectionery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (NE)	650	-	332599 188096
130	Contemporary Trade Directory Entries Name: Conway Confectionary Group Location: Sela House, 2-6, Conway Road, Newport, Gwent, NP19 8PA Classification: Confectionery Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A14NW (NE)	650	-	332599 188096
131	Contemporary Trade Directory Entries Name: Jewson Ltd Location: Bolt Street, Newport, Gwent, NP20 2TJ Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A8NW (SW)	652	-	331680 187172
131	Contemporary Trade Directory Entries Name: Rema Tip Top Uk Ltd Location: Unit 44, Enterprise Way, Newport, Gwent, NP20 2AQ Classification: Conveyors & Conveyor Belts Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	653	-	331714 187156

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
131	Contemporary Trade Directory Entries Name: S D L Pneumatic & Industrial Supplies Ltd Location: Unit 2, Enterprise Way, Newport, Gwent, NP20 2AQ Classification: Pneumatic Systems & Equipment Status: Active Positional Accuracy: Automatically positioned to the address	A8NW (S)	662	-	331719 187144
131	Contemporary Trade Directory Entries Name: Severn Hygiene & Waste Location: Unit 2, Enterprise Way, Newport, Gwent, NP20 2AQ Classification: Hygiene & Cleansing Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	662	-	331719 187144
131	Contemporary Trade Directory Entries Name: Honeycomb Media Location: Unit 3, Enterprise Way, Newport, Gwent, NP20 2AQ Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A8NW (S)	666	-	331713 187142
131	Contemporary Trade Directory Entries Name: E-Inclusion Recycling Location: Unit 53, Enterprise Way, Newport, Gwent, NP20 2DX Classification: Computer Recycling & Disposal Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A8NW (S)	667	-	331731 187134
131	Contemporary Trade Directory Entries Name: Celtic Gas Services Location: Unit 5, Enterprise Way, Newport, Gwent, NP20 2AQ Classification: Gas Appliances - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	678	-	331700 187135
131	Contemporary Trade Directory Entries Name: Polymould Location: Unit 5, Enterprise Way, Newport, Gwent, NP20 2AQ Classification: Tool Design, Manufacturers & Makers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	678	-	331700 187135
132	Contemporary Trade Directory Entries Name: Travis Perkins Trading Co Ltd Location: Frederick Street, NEWPORT, Gwent, NP20 2DR Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	652	-	331896 187108
133	Contemporary Trade Directory Entries Name: In Print Location: 153, Chepstow Road, Newport, Gwent, NP19 8GE Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	654	-	332371 188343
133	Contemporary Trade Directory Entries Name: Crash Repair Centre Location: 149a, Chepstow Road, Newport, Gwent, NP19 8GE Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A19SW (NE)	677	-	332375 188368
134	Contemporary Trade Directory Entries Name: A J Auto Repairs Location: A, 2, Gaskell Street, Newport, Gwent, NP19 0GH Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	658	-	332609 187449
135	Contemporary Trade Directory Entries Name: Comfort Zone Mobility (Wales) Location: 132, Commercial Street, Newport, Gwent, NP20 1LY Classification: Disability Equipment - Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	658	-	331220 187760
135	Contemporary Trade Directory Entries Name: Dixons Location: 137, Commercial Street, Newport, Gwent, NP20 1LN Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	677	-	331198 187792

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
136	Contemporary Trade Directory Entries Name: J Matthews Location: 8, Hathaway Street, Newport, Gwent, NP19 0FQ Classification: Coal & Smokeless Fuel Merchants & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	663	-	332688 187661
137	Contemporary Trade Directory Entries Name: Chase Manufacturing Ltd Location: Unit 52, Enterprise Way, Newport, Gwent, NP20 2AQ Classification: Ladder Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	665	-	331759 187126
137	Contemporary Trade Directory Entries Name: Continental Desserts Location: Unit 51, Enterprise Way, Newport, Gwent, NP20 2AQ Classification: Food Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	687	-	331733 187111
137	Contemporary Trade Directory Entries Name: Amdart Location: Unit 54, Enterprise Way, Newport, Gwent, NP20 2AQ Classification: Printers Status: Active Positional Accuracy: Manually positioned to the address or location	A8SW (S)	713	-	331743 187080
137	Contemporary Trade Directory Entries Name: Sunshine Fresh Poultry Location: Unit 48 Enterprise Way, Newport, Gwent, NP20 2AQ Classification: Food Products - Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A8SW (S)	726	-	331706 187080
138	Contemporary Trade Directory Entries Name: Punctum Location: Unit 57, Enterprise Way, Newport, Gwent, NP20 2DX Classification: Photo & Digital Imaging Bureaus Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8SW (S)	666	-	331778 187118
139	Contemporary Trade Directory Entries Name: Tyre & Exhaust World Ltd Location: 389-391, Corporation Road, Newport, Gwent, NP19 0FN Classification: Exhaust System Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	667	-	332653 187519
140	Contemporary Trade Directory Entries Name: Edge Cleaning Equipment Ltd Location: Cambrian House, West Market Street, Newport, Gwent, NP20 2AU Classification: Cleaning Materials & Equipment Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	673	-	331527 187250
141	Contemporary Trade Directory Entries Name: Julie'S Ironing Service Location: 14 Merriott Pl, Newport, Gwent, NP19 8DA Classification: Ironing & Home Laundry Services Status: Active Positional Accuracy: Manually positioned to the address or location	A18SE (N)	673	-	332148 188481
142	Contemporary Trade Directory Entries Name: Mackenzie Location: A, 35, Prince Street, Newport, Gwent, NP19 8DS Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	675	-	331847 188535
142	Contemporary Trade Directory Entries Name: Mackenzies Automotive Location: 35a, Prince Street, Newport, Gwent, NP19 8DS Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	675	-	331847 188535
143	Contemporary Trade Directory Entries Name: Brighthouse Location: 4 Llanarth St, Newport, Gwent, NP20 1HR Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Active Positional Accuracy: Manually positioned to the address or location	A12NW (W)	681	-	331196 187924

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
144	Contemporary Trade Directory Entries Name: D & T Body Repairs Location: 171, Chepstow Road, Newport, Gwent, NP19 8GH Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	684	-	332440 188331
145	Contemporary Trade Directory Entries Name: Hughes Forrest Ltd Location: Bolt Street, Newport, Gwent, NP20 2UP Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	684	-	331610 187175
146	Contemporary Trade Directory Entries Name: Shell Location: 17-25, Chepstow Road, Newport, Gwent, NP19 8BW Classification: Petrol Filling Stations - 24 Hour Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (NW)	690	-	331659 188512
147	Contemporary Trade Directory Entries Name: The Cooker Centre Location: 18, Cardiff Road, Newport, Gwent, NP20 2ED Classification: Cookers - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	693	-	331285 187482
147	Contemporary Trade Directory Entries Name: King Lane Garage Location: 1a, Kings Lane, Newport, Gwent, NP20 2FE Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (SW)	696	-	331273 187493
147	Contemporary Trade Directory Entries Name: Ken Lewis Car Repairs Location: King Lane, Newport, Gwent, NP20 2FE Classification: Garage Services Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A12SW (SW)	696	-	331269 187501
147	Contemporary Trade Directory Entries Name: The Body Shop Location: 1, Kings Lane, Newport, Gwent, NP20 2FE Classification: Car Painters & Sprayers Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (SW)	703	-	331263 187498
147	Contemporary Trade Directory Entries Name: Caterbitz.Com Location: 28, Cardiff Road, Newport, Gwent, NP20 2ED Classification: Catering Equipment Status: Inactive Positional Accuracy: Manually positioned to the address or location	A7NW (SW)	719	-	331270 187456
147	Contemporary Trade Directory Entries Name: Autowest Location: Queen St, Newport, Gwent, NP20 2EB Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A12SW (SW)	735	-	331240 187474
148	Contemporary Trade Directory Entries Name: Instyle Leather Goods Ltd Location: Publicity House, Tweedy Lane, Newport, Gwent, NP19 8DZ Classification: Leather Garments & Products Status: Active Positional Accuracy: Automatically positioned to the address	A19SW (NE)	694	-	332604 188170
149	Contemporary Trade Directory Entries Name: Three Counties Fluid Power Location: Unit 6, Phoenix Business Park, Telford Street, Newport, Gwent, NP19 0LW Classification: Pneumatic Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	695	-	332711 187937
150	Contemporary Trade Directory Entries Name: Ada Services Location: 12, Fairoak Terrace, Newport, Gwent, NP19 8FG Classification: Washing Machines - Servicing & Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (NE)	696	-	332239 188462

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
151	Contemporary Trade Directory Entries Name: Newport Bike Salvage Location: 1b, Kings Lane, Newport, Gwent, NP20 2FE Classification: Motor Cycle Breakers & Dismantlers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (SW)	696	-	331265 187507
152	Contemporary Trade Directory Entries Name: Just 5 G T Turbos Location: B, 7, Mountjoy Road, Newport, Gwent, NP20 2FB Classification: Car Breakers & Dismantlers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	702	-	331347 187382
152	Contemporary Trade Directory Entries Name: Mountjoy Garage Location: 9, Mountjoy Road, Newport, Gwent, NP20 2FB Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	722	-	331352 187347
153	Contemporary Trade Directory Entries Name: B C Hydraulics Ltd Location: Unit 11, Enterprise Way, Newport, Gwent, NP20 2AQ Classification: Hydraulic Equipment & Accessories - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (SW)	705	-	331665 187121
153	Contemporary Trade Directory Entries Name: Mastor Solutions Ltd Location: Unit 11-12, Enterprise Way, Newport, Gwent, NP20 2AQ Classification: Chemicals - Distributors & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (SW)	705	-	331665 187121
154	Contemporary Trade Directory Entries Name: Body Motive Location: 13, Mountjoy Street, Newport, Gwent, NP20 2FA Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	714	-	331390 187321
154	Contemporary Trade Directory Entries Name: Body Motive Location: 13, Mountjoy Street, Newport, Gwent, NP20 2FA Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	714	-	331390 187321
155	Contemporary Trade Directory Entries Name: H & H Autos Location: Unit 1, Old Howells Garage, Corporation Rd, Newport, Gwent, NP19 0GN Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9NE (SE)	716	-	332673 187446
156	Contemporary Trade Directory Entries Name: Park Garage Location: Ivor Street, Newport, Gwent, NP20 4EP Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	718	-	331165 187729
157	Contemporary Trade Directory Entries Name: Kingfisher Travel Location: 25, Upper Dock Street, Newport, Gwent, NP20 1DL Classification: Bus & Coach Operators & Stations Status: Active Positional Accuracy: Automatically positioned to the address	A12NW (W)	727	-	331192 188104
158	Contemporary Trade Directory Entries Name: Pensarn Garage Location: 177a, Chepstow Road, Newport, Gwent, NP19 8GH Classification: Car Engine Tuning & Diagnostic Services Status: Active Positional Accuracy: Automatically positioned to the address	A19SW (NE)	728	-	332522 188318
159	Contemporary Trade Directory Entries Name: Aquascan International Ltd Location: 27a, Hill Street, Newport, Gwent, NP20 1LZ Classification: Marine Electrical & Electronic Equipment Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	730	-	331144 187797

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
160	Contemporary Trade Directory Entries Name: Box Sash Co The Location: 47, Commercial Road, Newport, Gwent, NP20 2PE Classification: Window Frame Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	731	-	331497 187199
161	Contemporary Trade Directory Entries Name: Speedy Lifting Location: Unit 1, Kings Parade, Newport, Gwent, NP20 2DU Classification: Lifting Equipment Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	734	-	331825 187037
161	Contemporary Trade Directory Entries Name: Fastnings Supplies & Packaging Ltd Location: Unit 2, Kings Pde, Newport, Gwent, NP20 2DU Classification: Nuts, Bolts & Fixings Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A8SW (S)	744	-	331851 187022
162	Contemporary Trade Directory Entries Name: Mike Nutt Vehicle Engineering Location: Whitby Place, Newport, Gwent, NP19 8DQ Classification: Garage Services Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A18NW (N)	735	-	331816 188593
162	Contemporary Trade Directory Entries Name: John Phillips Location: Whitby Place, Newport, Gwent, NP19 8DQ Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	754	-	331805 188610
162	Contemporary Trade Directory Entries Name: Kitchen Appliance Service Location: 1, Gloster Place, Newport, Gwent, NP19 7EG Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	778	-	331792 188633
163	Contemporary Trade Directory Entries Name: Gardeners Cabin Location: 16, Cromwell Road, Newport, Gwent, NP19 0FZ Classification: Pet Foods & Animal Feeds Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	737	-	332728 187521
164	Contemporary Trade Directory Entries Name: Seary Printers (Newport) Ltd Location: 10, Caerleon Road, Newport, Gwent, NP19 7BU Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	744	-	331718 188585
164	Contemporary Trade Directory Entries Name: Pc Vehicle Sales Location: 14, Caerleon Road, Newport, Gwent, NP19 7BU Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	746	-	331751 188594
164	Contemporary Trade Directory Entries Name: John Nutt Self Drive Location: 14, Caerleon Road, Newport, Gwent, NP19 7BU Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	746	-	331751 188594
164	Contemporary Trade Directory Entries Name: Caerleon Road Van Sales Location: 14, Caerleon Road, Newport, Gwent, NP19 7BU Classification: Commercial Vehicle Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	746	-	331751 188594
165	Contemporary Trade Directory Entries Name: Treysta Services Location: Unit 46, Enterprise Way, Newport, Gwent, NP20 2AQ Classification: Telecommunications Equipment & Systems Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	745	-	331694 187064

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
165	Contemporary Trade Directory Entries Name: D P Mower Services Location: Unit 12, Evtol Trading Estate, Frederick Street, Newport, Gwent, NP20 2DR Classification: Lawnmowers & Garden Machinery - Sales & Service Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	780	-	331708 187021
166	Contemporary Trade Directory Entries Name: Xeno Location: Unit 38, Enterprise Way, Newport, Gwent, NP20 2AQ Classification: Cycle Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	755	-	331610 187093
166	Contemporary Trade Directory Entries Name: Quality Floor Care Location: Unit 38, Enterprise Way, Newport, Gwent, NP20 2AQ Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	755	-	331610 187093
166	Contemporary Trade Directory Entries Name: Recycled Bottled Glass Centre Ltd Location: Unit 31, Enterprise Way, Newport, Gwent, NP20 2AQ Classification: Glass Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (SW)	759	-	331623 187081
166	Contemporary Trade Directory Entries Name: Glcc Location: Unit 18, Enterprise Way, Newport, Gwent, NP20 2DX Classification: Leather Garments & Products Status: Active Positional Accuracy: Manually positioned to the address or location	A8SW (S)	759	-	331654 187066
166	Contemporary Trade Directory Entries Name: The Recycles Bottle Glass Centre Ltd Location: Unit 31, Enterprise Way, Newport, Gwent, NP20 2AQ Classification: Stained Glass Designers & Producers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (SW)	759	-	331623 187081
166	Contemporary Trade Directory Entries Name: Total Cleaning Services South Wales Ltd Location: Unit 31, Enterprise Way, Newport, Gwent, NP20 2AQ Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (SW)	759	-	331623 187081
166	Contemporary Trade Directory Entries Name: Quality Floor Care Location: Enterprise Way, Newport, Gwent, NP20 2AQ Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8SW (SW)	761	-	331632 187074
166	Contemporary Trade Directory Entries Name: Optical Services & Sales Location: Unit 20, Enterprise Way, Newport, Gwent, NP20 2AQ Classification: Fibre Optics Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	763	-	331649 187064
166	Contemporary Trade Directory Entries Name: Madisson Interiors Location: Unit 33, Enterprise Way, Newport, Gwent, NP20 2AQ Classification: Soft Furnishings - Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	773	-	331609 187073
166	Contemporary Trade Directory Entries Name: A Print & Design Ltd Location: Unit 23, Enterprise Way, Newport, Gwent, NP20 2AQ Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	792	-	331611 187050
166	Contemporary Trade Directory Entries Name: Pyramid Hygiene Ltd Location: Unit 24, Enterprise Way, Newport, Gwent, NP20 2AQ Classification: Hygiene & Sanitary Appliance Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	796	-	331614 187044

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
166	Contemporary Trade Directory Entries Name: Compressed Air Systems Location: Unit 25, Enterprise Way, Newport, Gwent, NP20 2AQ Classification: Pneumatic Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (SW)	800	-	331616 187039
166	Contemporary Trade Directory Entries Name: Moore Consumables Location: Unit 25, Enterprise Way, Newport, Gwent, NP20 2AQ Classification: Office Equipment Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (SW)	800	-	331616 187039
167	Contemporary Trade Directory Entries Name: Queen St Garage Location: Queen Street, Newport, Gwent, NP20 2EB Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	762	-	331216 187461
167	Contemporary Trade Directory Entries Name: Queen Street Garage Location: Queen Street, Newport, Gwent, NP20 2EB Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	762	-	331216 187461
168	Contemporary Trade Directory Entries Name: Commercial Motors (Newport) Ltd Location: Frederick Street, Newport, Gwent, NP20 2DR Classification: Commercial Vehicle Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	766	-	331773 187016
168	Contemporary Trade Directory Entries Name: Commercial Motors Location: Frederick Street, Newport, Gwent, NP20 2DR Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	766	-	331773 187016
168	Contemporary Trade Directory Entries Name: Broad Street Garage Location: 3, Broad Street, Newport, Gwent, NP20 2DQ Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	773	-	331758 187012
169	Contemporary Trade Directory Entries Name: Newport Commercial Refrigeration Ltd Location: 60, Commercial Road, Newport, Gwent, NP20 2PF Classification: Refrigeration Equipment - Commercial Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	774	-	331532 187119
169	Contemporary Trade Directory Entries Name: Portman Electronics Ltd Location: 159, Commercial Road, Newport, Gwent, NP20 2PJ Classification: Telecommunications Equipment & Systems Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	788	-	331502 187123
170	Contemporary Trade Directory Entries Name: Lifestyles Location: 10, High Street, Newport, Gwent, NP20 1FQ Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	776	-	331130 188073
171	Contemporary Trade Directory Entries Name: Crawfords Cleaning Services Location: 31, Maindee Parade, NEWPORT, Gwent, NP19 8FJ Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A18NE (N)	780	-	332254 188550
172	Contemporary Trade Directory Entries Name: D Edwards (Vehicle Services) Ltd Location: Corporation Rd, Newport, Gwent, NP19 0GP Classification: Commercial Vehicle Bodybuilders & Repairers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9NE (SE)	785	-	332723 187394

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
173	Contemporary Trade Directory Entries Name: Increase Decrease Location: Unit 10, Evtol Trading Estate, Frederick Street, Newport, Gwent, NP20 2DR Classification: Ironing & Home Laundry Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	791	-	331714 187008
173	Contemporary Trade Directory Entries Name: Crane & Lifting Services Ltd Location: Unit 10 Evtol Trading Estate, Frederick Street, Newport, Gwent, NP20 2DR Classification: Crane Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	791	-	331714 187008
173	Contemporary Trade Directory Entries Name: Abbey Cranes Ltd Location: Alexander House, Evtol Trading Estate, Frederick Street, Newport, Gwent, NP20 2DR Classification: Crane Hire, Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	796	-	331714 187002
173	Contemporary Trade Directory Entries Name: Newport Truck Services Ltd Location: Unit 4 Portland St, Newport, Gwent, NP20 2DP Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8SW (S)	828	-	331758 186956
173	Contemporary Trade Directory Entries Name: Mendip Caravans Location: Unit 1-2 Evtol Trading Estate, Frederick Street, Newport, Gwent, NP20 2DR Classification: Caravan Dealers & Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	830	-	331719 186965
173	Contemporary Trade Directory Entries Name: Cabot Floor & Tiling Contract Location: Unit 1-2 Evtol Trading Estate, Frederick Street, Newport, Gwent, NP20 2DR Classification: Floorcoverings - Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A8SW (S)	830	-	331719 186965
173	Contemporary Trade Directory Entries Name: Portland Street Pallets Location: Portland St, Newport, Gwent, NP20 2DP Classification: Packaging & Wrapping Equipment & Supplies Status: Active Positional Accuracy: Manually positioned within the geographical locality	A8SW (S)	841	-	331682 186966
174	Contemporary Trade Directory Entries Name: Beechwood Refrigeration & Air Conditioning Ltd Location: 25a, Hereford Street, Newport, Gwent, NP19 8DU Classification: Air Conditioning & Refrigeration Contractors Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	794	-	331944 188653
175	Contemporary Trade Directory Entries Name: Hopkins Car Repairs Location: 50a, London Street, Newport, Gwent, NP19 8DG Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address	A18NE (N)	795	-	332122 188621
176	Contemporary Trade Directory Entries Name: Kirby Vacuum Cleaners Location: 7, Church Road, Newport, Gwent, NP19 7EH Classification: Vacuum Cleaners - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	796	-	331842 188656
176	Contemporary Trade Directory Entries Name: Filter Queen Location: 7, Church Road, Newport, Gwent, NP19 7EH Classification: Vacuum Cleaners - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	796	-	331842 188656

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
176	Contemporary Trade Directory Entries Name: Hurley Court Ltd Location: 7, Church Road, Newport, Gwent, NP19 7EH Classification: Vacuum Cleaners - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	796	-	331842 188656
176	Contemporary Trade Directory Entries Name: Newport Filter Queen Location: 7, Church Road, Newport, Gwent, NP19 7EH Classification: Vacuum Cleaners - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	796	-	331842 188656
176	Contemporary Trade Directory Entries Name: Newport Filter Queen Location: 8, Church Road, Newport, Gwent, NP19 7EH Classification: Filtration Systems & Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	796	-	331842 188656
176	Contemporary Trade Directory Entries Name: Newport Filter Queen Location: 8, Church Road, Newport, Gwent, NP19 7EH Classification: Air Purification Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	796	-	331842 188656
177	Contemporary Trade Directory Entries Name: Q E D Location: 41-61, Clarence Place, Newport, Gwent, NP19 7AB Classification: Exhaust System Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	797	-	331430 188514
178	Contemporary Trade Directory Entries Name: Electricity Location: 268, Chepstow Road, Newport, Gwent, NP19 8NN Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address	A19SE (NE)	809	-	332722 188200
178	Contemporary Trade Directory Entries Name: Jojo Print & Promotion Ltd Location: 278, Chepstow Road, Newport, Gwent, NP19 8NN Classification: Printers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	827	-	332750 188187
179	Contemporary Trade Directory Entries Name: Dreams Link Location: 71, Commercial Road, Newport, Gwent, NP20 2PF Classification: Mobile Phone Accessories and Car Kits Status: Inactive Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	814	-	331561 187052
180	Contemporary Trade Directory Entries Name: Impressions Dental Laboratories Location: 197, Chepstow Road, Newport, Gwent, NP19 8GH Classification: Medical & Dental Laboratories Status: Active Positional Accuracy: Automatically positioned to the address	A19SW (NE)	816	-	332622 188341
181	Contemporary Trade Directory Entries Name: Auto Refinishing Location: Portland Street, Newport, Gwent, NP20 2DP Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	819	-	331932 186938
181	Contemporary Trade Directory Entries Name: John Evans Location: Portland Street, Newport, Gwent, NP20 2DP Classification: Commercial Vehicle Breakdown & Recovery Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	819	-	331932 186938
182	Contemporary Trade Directory Entries Name: Carrington Location: 45, Caerleon Road, Newport, Gwent, NP19 7BW Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	825	-	331737 188672

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
182	Contemporary Trade Directory Entries Name: Crescent Motors Location: A, 45, Caerleon Road, Newport, Gwent, NP19 7BW Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	862	-	331742 188711
183	Contemporary Trade Directory Entries Name: Newpack Location: Westgate Works, East Dock Rd, Newport, Gwent, NP20 2BT Classification: Pallets, Crates & Packing Cases Status: Active Positional Accuracy: Manually positioned to the address or location	A8SE (S)	828	-	332283 186974
184	Contemporary Trade Directory Entries Name: Eco-Oil Ltd Location: Clarence House, Clarence Place, Newport, Gwent, NP19 7AA Classification: Oil Recycling & Disposal Services Status: Active Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	829	-	331340 188485
185	Contemporary Trade Directory Entries Name: Bikeworks Location: Unit 2A Usk Way Ind Est, Usk Way, Newport, Gwent, NP20 2HZ Classification: Motor Cycle Repairs Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A8SE (S)	835	-	332016 186922
185	Contemporary Trade Directory Entries Name: Roadferry Ltd Location: Usk Way Industrial Estate, Usk Way, Newport, Gwent, NP20 2HZ Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	852	-	332023 186906
185	Contemporary Trade Directory Entries Name: Roadferry Ltd Location: Usk Way Industrial Estate, Usk Way, Newport, Gwent, NP20 2HZ Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	852	-	332023 186906
185	Contemporary Trade Directory Entries Name: Usk Way Car Centre Location: Usk Way Ind Est, Usk Way, Newport, Gwent, NP20 2HZ Classification: Car Dealers - Used Status: Active Positional Accuracy: Manually positioned within the geographical locality	A8SE (S)	879	-	332066 186882
186	Contemporary Trade Directory Entries Name: Sintec Digital Location: Fair Oak House, 15, Church Road, Newport, Gwent, NP19 7EJ Classification: Telecommunications Equipment & Systems Status: Active Positional Accuracy: Manually positioned to the address or location	A18NW (N)	844	-	331936 188704
186	Contemporary Trade Directory Entries Name: Trio 2000 Location: Unit A, 15, Church Road, Newport, Gwent, NP19 7EJ Classification: Chemicals - Distributors & Wholesalers Status: Active Positional Accuracy: Manually positioned to the address or location	A18NW (N)	845	-	331937 188705
187	Contemporary Trade Directory Entries Name: Klick Photopoint Location: 29, Skinner Street, Newport, Gwent, NP20 1HB Classification: Photographic Processors Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (W)	851	-	331081 188160
187	Contemporary Trade Directory Entries Name: Klick Location: 29, Skinner Street, Newport, Gwent, NP20 1HB Classification: Photographic Processors Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (W)	851	-	331081 188160
188	Contemporary Trade Directory Entries Name: Trace'S Wallpapers Location: 186, Upper Dock Street, Newport, Gwent, NP20 1DB Classification: Painting & Decorating Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	853	-	331113 188236

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
188	Contemporary Trade Directory Entries Name: Westway Dairy Co Ltd Location: The Provision Market, Newport, Gwent, NP20 1DD Classification: Dairies Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	896	-	331078 188261
189	Contemporary Trade Directory Entries Name: Accident Repair Centre Location: 1, Capel Crescent, Newport, Gwent, NP20 2QF Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	873	-	331523 187007
189	Contemporary Trade Directory Entries Name: A & K Autokare Location: 1, Capel Crescent, Newport, Gwent, NP20 2QF Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	873	-	331523 187007
190	Contemporary Trade Directory Entries Name: Shopmobility Location: 193, Upper Dock Street, Newport, Gwent, NP20 1DB Classification: Disability Equipment - Manufacturers & Suppliers Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	882	-	331109 188290
191	Contemporary Trade Directory Entries Name: Surj Bains Location: 20, Caerleon Road, Newport, Gwent, NP19 7BX Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	883	-	331839 188743
192	Contemporary Trade Directory Entries Name: C B Refrigeration Ltd Location: Tregare Street, Newport, Gwent, NP19 7AP Classification: Refrigeration Equipment - Commercial Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	891	-	331633 188715
192	Contemporary Trade Directory Entries Name: John Davies Group Ltd Location: 14, Corelli Street, Newport, Gwent, NP19 7AR Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (N)	909	-	331598 188723
192	Contemporary Trade Directory Entries Name: John Davies Group Location: 14, Corelli Street, Newport, Gwent, NP19 7AR Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (N)	909	-	331598 188723
192	Contemporary Trade Directory Entries Name: Images In Sport Location: 14, Corelli Street, Newport, Gwent, NP19 7AR Classification: Toys, Games & Sporting Goods - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (N)	909	-	331598 188723
193	Contemporary Trade Directory Entries Name: Kendalls Joinery Location: A, 11, Corelli Street, Newport, Gwent, NP19 7AR Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	894	-	331581 188701
193	Contemporary Trade Directory Entries Name: Virgo Blinds Location: 22-24, Llanvair Road, Newport, Gwent, NP19 7AQ Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	917	-	331549 188713
194	Contemporary Trade Directory Entries Name: Clearway Contract Services Location: 137, Commercial Road, Newport, Gwent, NP20 2PH Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	898	-	331574 186950

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
195	Contemporary Trade Directory Entries Name: R & B Collection Services Location: 1, Jackson Place, Newport, Gwent, NP19 8FR Classification: Car Breakers & Dismantlers Status: Active Positional Accuracy: Automatically positioned to the address	A19NW (NE)	917	-	332388 188634
196	Contemporary Trade Directory Entries Name: Len Beck Engineering Ltd Location: 4, Turner Street, Newport, Gwent, NP19 7BA Classification: Engine Rebuilding & Reconditioning Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	921	-	331782 188776
196	Contemporary Trade Directory Entries Name: G W P Chemicals Location: 1, Trostre Street, Newport, Gwent, NP19 7BB Classification: Hygiene & Cleansing Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	938	-	331787 188794
196	Contemporary Trade Directory Entries Name: Ivor R Cook Ltd Location: 4, Trostre Street, Newport, Gwent, NP19 7BB Classification: Boilers - Servicing, Replacements & Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	955	-	331794 188811
196	Contemporary Trade Directory Entries Name: Beechwood Group Location: 4, Trostre Street, Newport, Gwent, NP19 7BB Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18NW (N)	955	-	331794 188811
197	Contemporary Trade Directory Entries Name: Bridge Breakers Location: Gloucester Wharf, Old Town Dock, Newport, Gwent, NP20 2BW Classification: Car Breakers & Dismantlers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A8SE (S)	926	-	332135 186842
197	Contemporary Trade Directory Entries Name: Daniel & Son (1920) Ltd Location: Old Town Dock, Newport, Gwent, NP20 2BW Classification: Oil Fuel Distributors Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A8SE (S)	931	-	332126 186836
197	Contemporary Trade Directory Entries Name: Valuol Ltd Location: Old Town Dock, Newport, Gwent, NP20 2BW Classification: Oil Fuel Distributors Status: Active Positional Accuracy: Manually positioned within the geographical locality	A8SE (S)	937	-	332132 186830
197	Contemporary Trade Directory Entries Name: Stephen'S Fuel Oil Location: Old Town Dock, Newport, Gwent, NP20 2BW Classification: Oil Fuel Distributors Status: Active Positional Accuracy: Automatically positioned to the address	A8SE (S)	941	-	332117 186825
197	Contemporary Trade Directory Entries Name: Waste Oil Collection Ltd Location: Old Town Dock, Newport, Gwent, NP20 2BW Classification: Oil Recycling & Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	941	-	332117 186825
197	Contemporary Trade Directory Entries Name: Deluxe Continental Ltd Location: Old Town Dock, Newport, Gwent, NP20 2BW Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A8SE (S)	941	-	332117 186825
197	Contemporary Trade Directory Entries Name: Henry Morris (1958) Ltd Location: Old Town Dock, Newport, Gwent, NP20 2BW Classification: Oil Fuel Distributors Status: Active Positional Accuracy: Automatically positioned to the address	A8SE (S)	941	-	332117 186825

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
198	Contemporary Trade Directory Entries Name: Burrow Heath Ltd Location: 108, Stow Hill, Newport, Gwent, NP20 4DW Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	926	-	330965 187666
199	Contemporary Trade Directory Entries Name: Con Forms Europe Location: Old Town Dock, Newport, Gwent, NP20 2BW Classification: Concrete Pumping Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A8SE (S)	927	-	332047 186832
200	Contemporary Trade Directory Entries Name: Ta Repairs Location: 16, Market Arcade, High Street, Newport, Gwent, NP20 1FS Classification: Vacuum Cleaners - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	930	-	331054 188290
200	Contemporary Trade Directory Entries Name: Wash Vac Location: 121 Market Arcade, High St, Newport, Gwent, NP20 1FS Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Active Positional Accuracy: Manually positioned within the geographical locality	A17SW (NW)	973	-	331028 188330
201	Contemporary Trade Directory Entries Name: Johnson Cleaners (Uk) Ltd Location: 38a, High Street, Newport, Gwent, NP20 1GF Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	935	-	331008 188205
202	Contemporary Trade Directory Entries Name: Evans Halshaw Ltd Location: Turner Street, Newport, Gwent, NP19 7XH Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	940	-	331679 188778
203	Contemporary Trade Directory Entries Name: Roe Motor Repairs Location: 2a, Scard Street, Newport, Gwent, NP20 1LB Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A11NE (W)	949	-	330928 187942
204	Contemporary Trade Directory Entries Name: Melmec Location: 1a, Llanvair Road, Newport, Gwent, NP19 7AQ Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	964	-	331504 188746
205	Contemporary Trade Directory Entries Name: Shamrock Travel Location: 48, High Street, Newport, Gwent, NP20 1GA Classification: Bus & Coach Operators & Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	964	-	331005 188267
205	Contemporary Trade Directory Entries Name: Sketchley Retail Ltd Location: 42, Cambrian Road, Newport, Gwent, NP20 4AB Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	987	-	330980 188269
206	Contemporary Trade Directory Entries Name: Colorama Gas Location: High St, Newport, Gwent, NP20 1FQ Classification: Gas Suppliers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A17SW (NW)	973	-	331038 188348
207	Contemporary Trade Directory Entries Name: Swalec Location: 7, Cambrian Road, Newport, Gwent, NP20 4AD Classification: Electricity Companies Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (W)	978	-	330956 188187

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
207	Contemporary Trade Directory Entries Name: Newport Sony Centre Location: 1-3, Cambrian Road, Newport, Gwent, NP20 4AD Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (W)	978	-	330956 188187
208	Contemporary Trade Directory Entries Name: Pot Shop Location: 104, Duckpool Road, Newport, Gwent, NP19 7EN Classification: Garden Ornament Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	979	-	332090 188819
209	Contemporary Trade Directory Entries Name: B & S Car Spares Location: 99, Commercial Road, Newport, Gwent, NP20 2GX Classification: Car Breakers & Dismantlers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	981	-	331660 186825
209	Contemporary Trade Directory Entries Name: Powerpoint Electronics Location: 122, Commercial Road, Newport, Gwent, NP20 2GW Classification: Electrical goods - servicing & repairs Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	984	-	331627 186834
210	Contemporary Trade Directory Entries Name: Steed Steele Services Location: 10a, Junction Road, Newport, Gwent, NP19 7EZ Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A23SE (N)	982	-	332036 188832
210	Contemporary Trade Directory Entries Name: M & M Motor Services Location: 10a, Junction Road, Newport, Gwent, NP19 7EZ Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A23SE (N)	982	-	332036 188832
210	Contemporary Trade Directory Entries Name: M & M Motor Services Location: 10a, Junction Road, Newport, Gwent, NP19 7EZ Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address	A23SE (N)	982	-	332036 188832
211	Contemporary Trade Directory Entries Name: Dragon Building Supplies & Tool Hire Location: 9, Turner Street, Newport, Gwent, NP19 7AZ Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A23SW (N)	992	-	331654 188826
211	Contemporary Trade Directory Entries Name: George Ford & Sons Ltd Location: 9, Turner Street, Newport, Gwent, NP19 7AZ Classification: Exhaust & Shock Absorber Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A23SW (N)	992	-	331654 188826
212	Contemporary Trade Directory Entries Name: Tri-Aqua Hygiene Location: 190, Cromwell Road, NEWPORT, Gwent, NP19 0HP Classification: Hygiene & Cleansing Services Status: Active Positional Accuracy: Automatically positioned to the address	A15SW (E)	1000	-	333007 187536
213	Fuel Station Entries Name: Mrh Newport Location: 57-59, Chepstow Road, Hereford Street,,, NEWPORT, Gwent, NP19 8BY Brand: TEXACO Premises Type: Petrol Station Status: Open Positional Accuracy: Automatically positioned to the address	A18SW (N)	580	-	331943 188439

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
214	Fuel Station Entries Name: Shell Casnewydd Location: 17-25, Chepstow Road, NEWPORT, Gwent, NP19 8BW Brand: SHELL Premises Type: Petrol Station Status: Open Positional Accuracy: Automatically positioned to the address	A18NW (NW)	690	-	331659 188512
215	Fuel Station Entries Name: Caerleon Service Station Location: 20 CAERLEON ROAD, JUNCTION ROAD, NEWPORT, Gwent, NP19 7BX Brand: Esso Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A18NW (N)	883	-	331839 188743

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
216	Sites of Special Scientific Interest Name: River Usk (Lower Usk)/Afon Wysg (Wysg Isaf) Multiple Areas: N Total Area (m2): 5377434.94 Source: Countryside Council for Wales Reference: 142533wea Designation Details: Biological Designation Date: 25th October 1996 Date Type: Notified	A13SW (SW)	12	6	331927 187787
217	Special Areas of Conservation Name: River Usk / Afon Wysg Multiple Areas: Y Total Area (m2): 10160969.49 Source: Countryside Council for Wales Reference: UK0013007 Status: Designated	A13SW (SW)	12	6	331927 187787

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Newport City Council - Public Protection and Environmental Services Torfaen County Borough Council - Department for the Environmental Monmouthshire Council - Environment Department	April 2009 February 2009 June 2009	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Welsh Region	October 2009	Quarterly
Enforcement and Prohibition Notices Environment Agency - Welsh Region	January 2010	As notified
Integrated Pollution Controls Environment Agency - Welsh Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control Environment Agency - Welsh Region	October 2009	Quarterly
Local Authority Integrated Pollution Prevention And Control Newport City Council - Public Protection and Environmental Services Monmouthshire Council - Environmental Health Department Torfaen County Borough Council - Department for the Environmental	December 2008 December 2009 November 2009	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Controls Newport City Council - Public Protection and Environmental Services Monmouthshire Council - Environmental Health Department Torfaen County Borough Council - Department for the Environmental	December 2008 December 2009 November 2009	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Newport City Council - Public Protection and Environmental Services Monmouthshire Council - Environmental Health Department Torfaen County Borough Council - Department for the Environmental	December 2008 December 2009 November 2009	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Nearest Surface Water Feature Ordnance Survey	May 2009	Quarterly
Pollution Incidents to Controlled Waters Environment Agency - Welsh Region	December 1998	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Welsh Region	January 2010	As notified
Prosecutions Relating to Controlled Waters Environment Agency - Welsh Region	January 2010	As notified
Registered Radioactive Substances Environment Agency - Welsh Region	October 2009	Quarterly
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	January 2009	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	January 2009	Annually
Substantiated Pollution Incident Register Environment Agency Wales - South East Area	October 2009	Quarterly
Water Abstractions Environment Agency - Welsh Region	October 2009	Quarterly
Water Industry Act Referrals Environment Agency - Welsh Region	October 2009	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	January 1999	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable

Agency & Hydrological	Version	Update Cycle
Source Protection Zones Environment Agency - Head Office	October 2009	Variable
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2009	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2009	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	December 2009	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	December 2009	Quarterly
Flood Defences Environment Agency - Head Office	December 2009	Quarterly
Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency Wales - South East Area	October 2009	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Welsh Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency Wales - South East Area	October 2009	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency Wales - South East Area	October 2009	Quarterly
Local Authority Landfill Coverage Monmouthshire Council - Environment Newport City Council Torfaen County Borough Council - Department for the Environmental	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Monmouthshire Council - Environment Newport City Council Torfaen County Borough Council - Department for the Environmental	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
Registered Landfill Sites Environment Agency Wales - South East Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency Wales - South East Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency Wales - South East Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	October 2009	Bi-Annually
Explosive Sites Health and Safety Executive	January 2009	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Torfaen County Borough Council - Planning Department Newport City Council - Planning Department Monmouthshire Council - Environment	July 2009 November 2009 September 2009	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Consents Torfaen County Borough Council - Planning Department Newport City Council - Planning Department Monmouthshire Council - Environment	July 2009 November 2009 September 2009	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Geological	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	October 2009	Bi-Annually
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
Coal Mining Affected Areas The Coal Authority - Mining Report Service	January 2006	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Natural and Mining Cavities Peter Brett Associates	November 2009	Variable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2009	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2009	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2009	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2009	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2009	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2009	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	May 2007	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	May 2007	As notified
Shallow Mining Hazards British Geological Survey - National Geoscience Information Service	August 2002	Not Applicable
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	November 2009	Quarterly
Fuel Station Entries Catalist Ltd - (Fuel Station Data)	October 2009	Quarterly

Sensitive Land Use	Version	Update Cycle
Areas of Adopted Green Belt Newport City Council	December 2009	As notified
Areas of Unadopted Green Belt Newport City Council	December 2009	As notified
Areas of Outstanding Natural Beauty Countryside Council for Wales	August 2009	Bi-Annually
Environmentally Sensitive Areas The National Assembly for Wales - GI Services (Department of Planning & Countryside)	August 2008	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Monmouthshire Council Newport City Council	August 2009 August 2009	Bi-Annually Bi-Annually
Marine Nature Reserves Countryside Council for Wales	August 2009	Bi-Annually
National Nature Reserves Countryside Council for Wales	August 2009	Bi-Annually
National Parks The National Assembly for Wales - GI Services (Department of Planning & Countryside)	August 2008	Annually
Nitrate Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2009	Not Applicable
Nitrate Vulnerable Zones The National Assembly for Wales - GI Services (Department of Planning & Countryside)	October 2005	Annually
Ramsar Sites Countryside Council for Wales	August 2009	Bi-Annually
Sites of Special Scientific Interest Countryside Council for Wales	August 2009	Bi-Annually
Special Areas of Conservation Countryside Council for Wales	August 2009	Bi-Annually
Special Protection Areas Countryside Council for Wales	August 2009	Bi-Annually

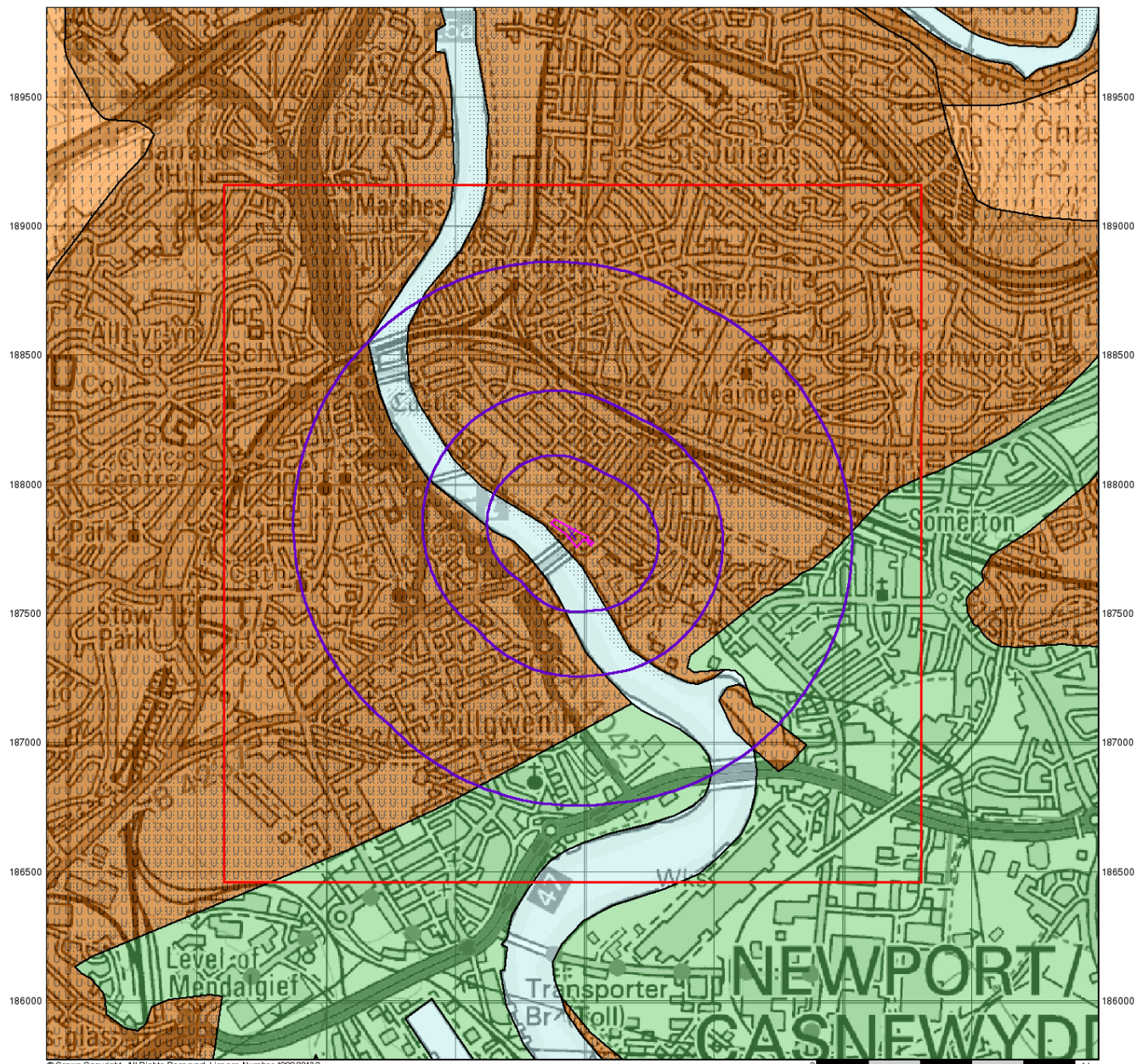
A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Countryside Council for Wales	
Scottish Natural Heritage	
Natural England	
Health Protection Agency	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
1	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
2	Newport City Council - Public Protection and Environmental Services Civic Centre, Newport, Gwent, NP20 4UR	Telephone: 01633 656656 Fax: 01633 232429 Website: www.newport.gov.uk
3	Health and Safety Executive HSE Infoline, Caerphilly Business Park, Caerphilly, CF83 3GG	Telephone: 08701 545500 Fax: 02920 859260 Email: hseinformationservices@natbrit.com Website: www.hse.gov.uk
4	British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
5	Newport City Council Civic Centre, Newport, South Wales, NP9 4UR	Telephone: 01633 656656 Fax: 01633 244721 Website: www.newport.gov.uk
6	Countryside Council for Wales Plas Penrhose, Fford Penrhos, Bangor, Gwynedd, LL57 2LQ	Telephone: 01248 385500 Fax: 01248 355782
-	Health Protection Agency - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@hpa.org.uk Website: www.hpa.org.uk
-	Landmark Information Group Limited The Smith Centre, Henley On Thames, Oxfordshire, RG9 6AB	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

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0 1 km



Groundwater Vulnerability

General

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

Agency and Hydrological

Geological Classes

**Major Aquifer
(Highly Permeable)**

**Minor Aquifer
(Variably Permeable)**

**Non Aquifer
(Negligibly Permeable)**

Water or Sea

Drift Deposit

Soil Classes

High (H) 1, 2, 3, U

Intermediate (I) 1, 2

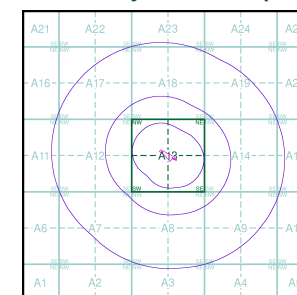
Low

High (H) 1, 2, 3, U

Intermediate (I) 1, 2

Low

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 29863233_1_1
 Customer Ref: 10454
 National Grid Reference: 331950, 187810
 Slice: A
 Site Area (Ha): 0.52
 Search Buffer (m): 1000

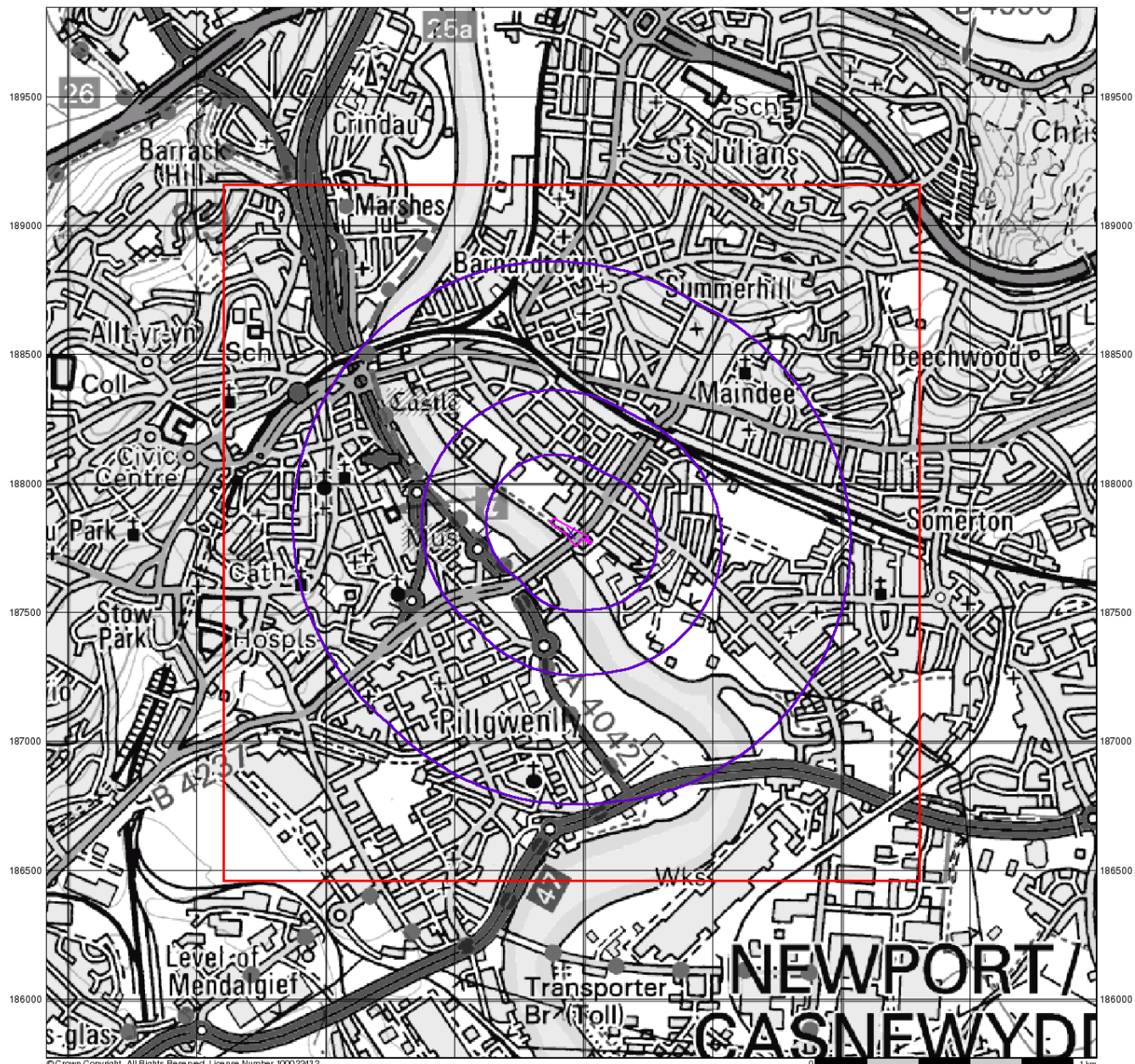
Site Details

Site at 331900, 187780



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

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Source Protection Zones

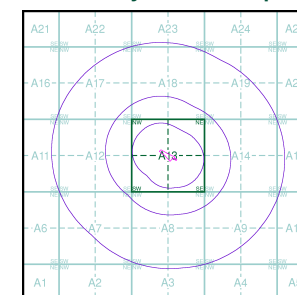
General

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

Agency and Hydrological

- Source Protection Zone I
- Source Protection Zone II
- Source Protection Zone III
- Zone of Special Interest
- Source Protection Zone Borehole

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 29863233_1_1
 Customer Ref: 10454
 National Grid Reference: 331950, 187810
 Slice: A
 Site Area (Ha): 0.52
 Search Buffer (m): 1000

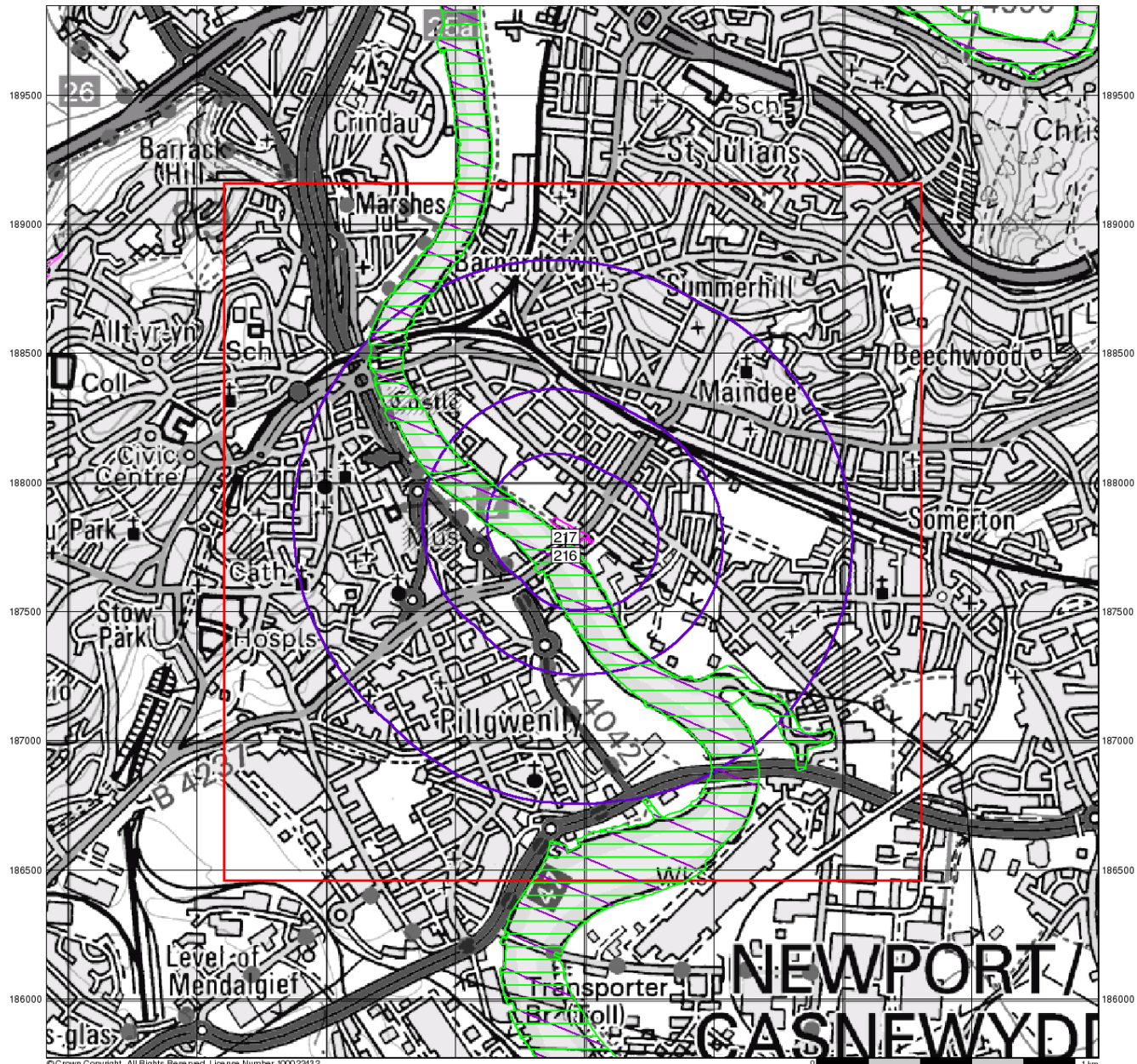
Site Details

Site at 331900, 187780



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 Web: www.envirocheck.co.uk

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Sensitive Land Uses

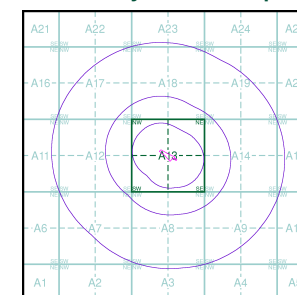
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 29863233_1_1
 Customer Ref: 10454
 National Grid Reference: 331950, 187810
 Slice: A
 Site Area (Ha): 0.52
 Search Buffer (m): 1000

Site Details

Site at 331900, 187780



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

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location
- Pylon
- Overhead Transmission Line

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

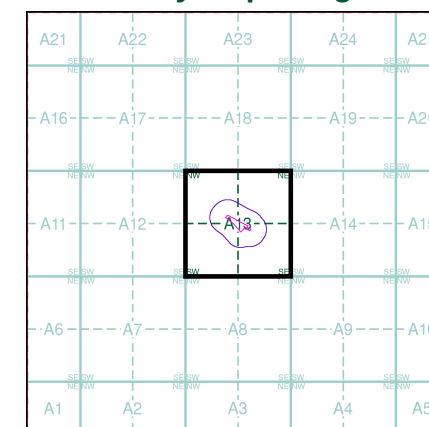
Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

Site Sensitivity Map - Segment A13

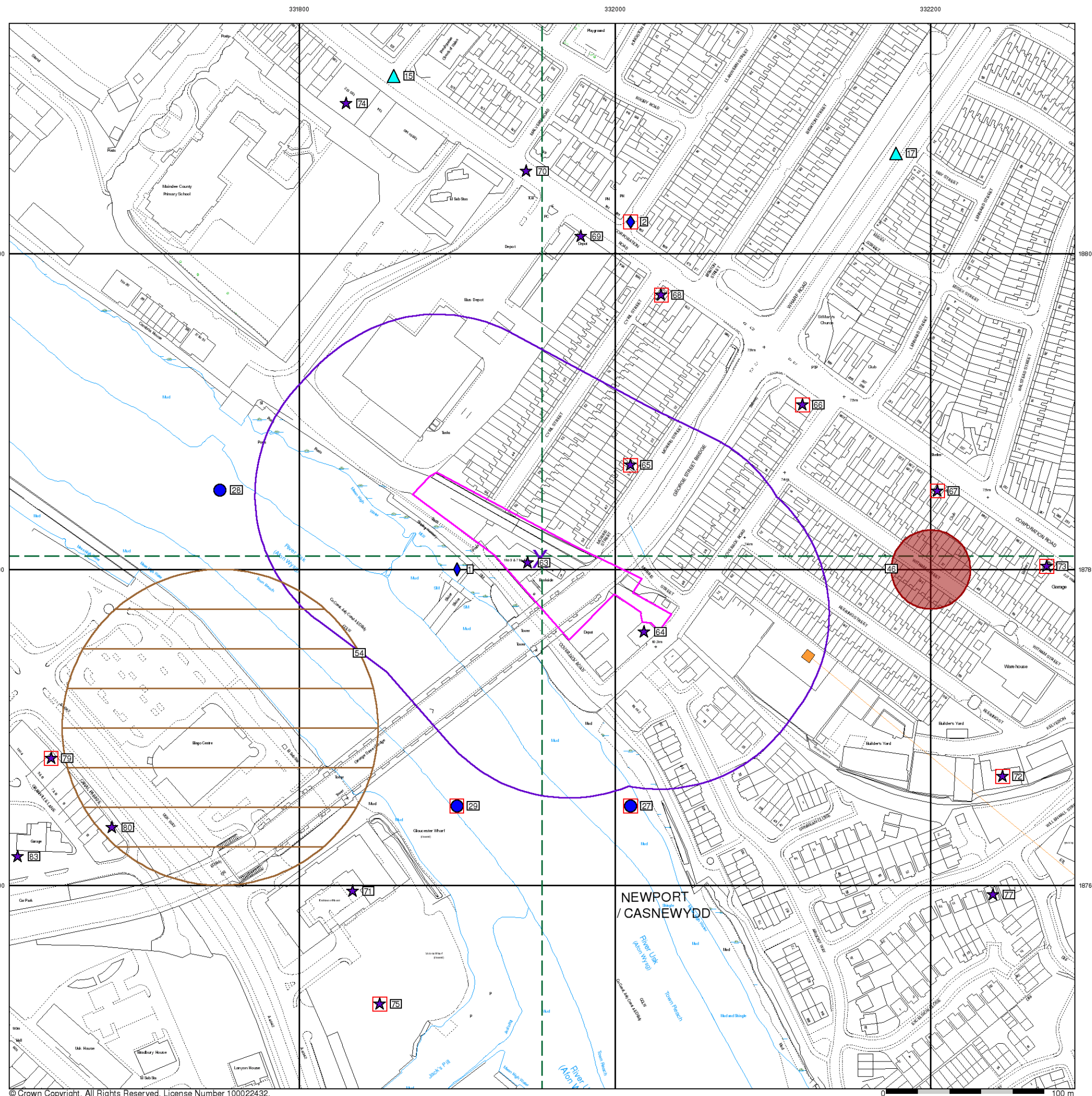


Order Details

Order Number: 29863233_1_1
 Customer Ref: 10454
 National Grid Reference: 331950, 187810
 Slice: A
 Site Area (Ha): 0.52
 Plot Buffer (m): 100

Site Details

Site at 331900, 187780



General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Prosecution Relating to Authorised Processes
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

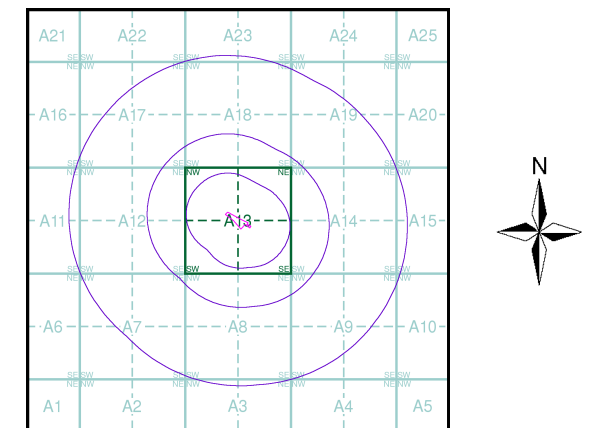
Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

Site Sensitivity Map - Slice A

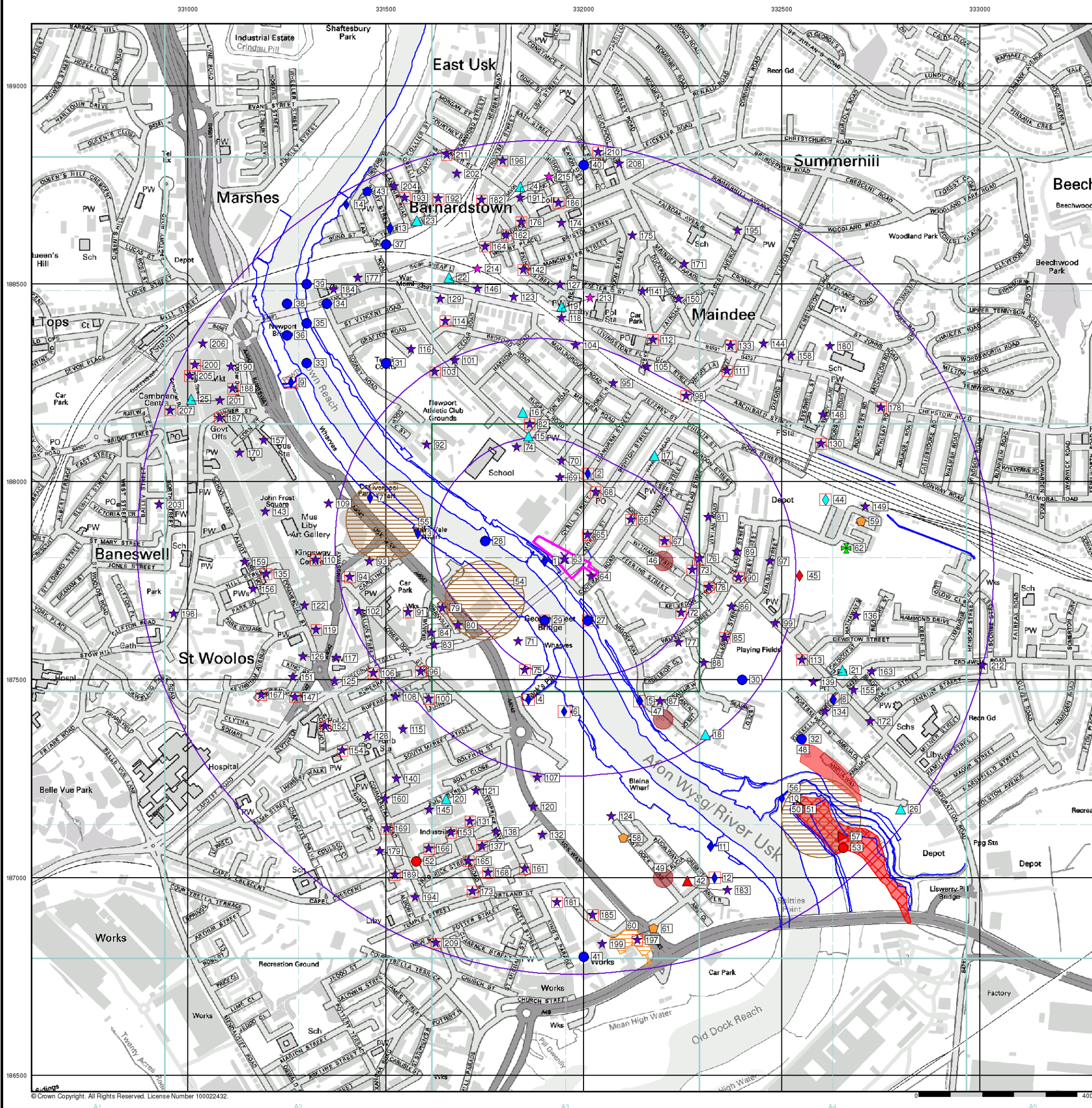


Order Details

Order Number: 29863233_1_1
 Customer Ref: 10454
 National Grid Reference: 331950, 187810
 Slice: A
 Site Area (Ha): 0.52
 Search Buffer (m): 1000

Site Details

Site at 331900, 187780





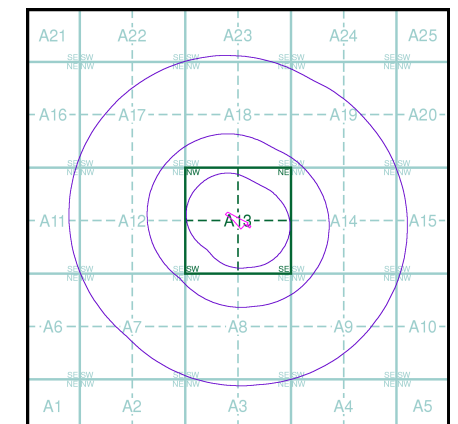
General

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

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice A



Order Details

Order Number: 29863233_1_1
Customer Ref: 10454
National Grid Reference: 331950, 187810
Slice: A
Site Area (Ha): 0.52
Search Buffer (m): 1000

Site Details

Site at 331900, 187780



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General

-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point
-  Map ID
-  Several of Type at Location

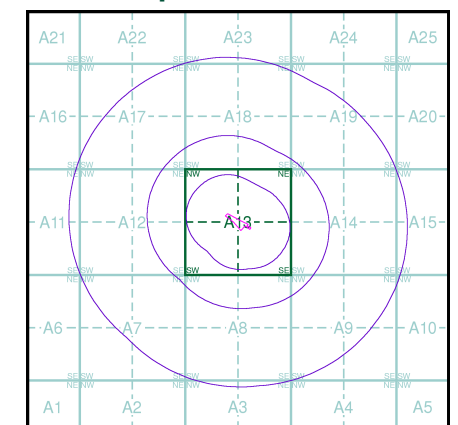
Agency and Hydrological (Boreholes)

-  BGS Borehole Depth 0 - 10m
-  BGS Borehole Depth 10 - 30m
-  BGS Borehole Depth 30m +
-  Confidential
-  Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice A

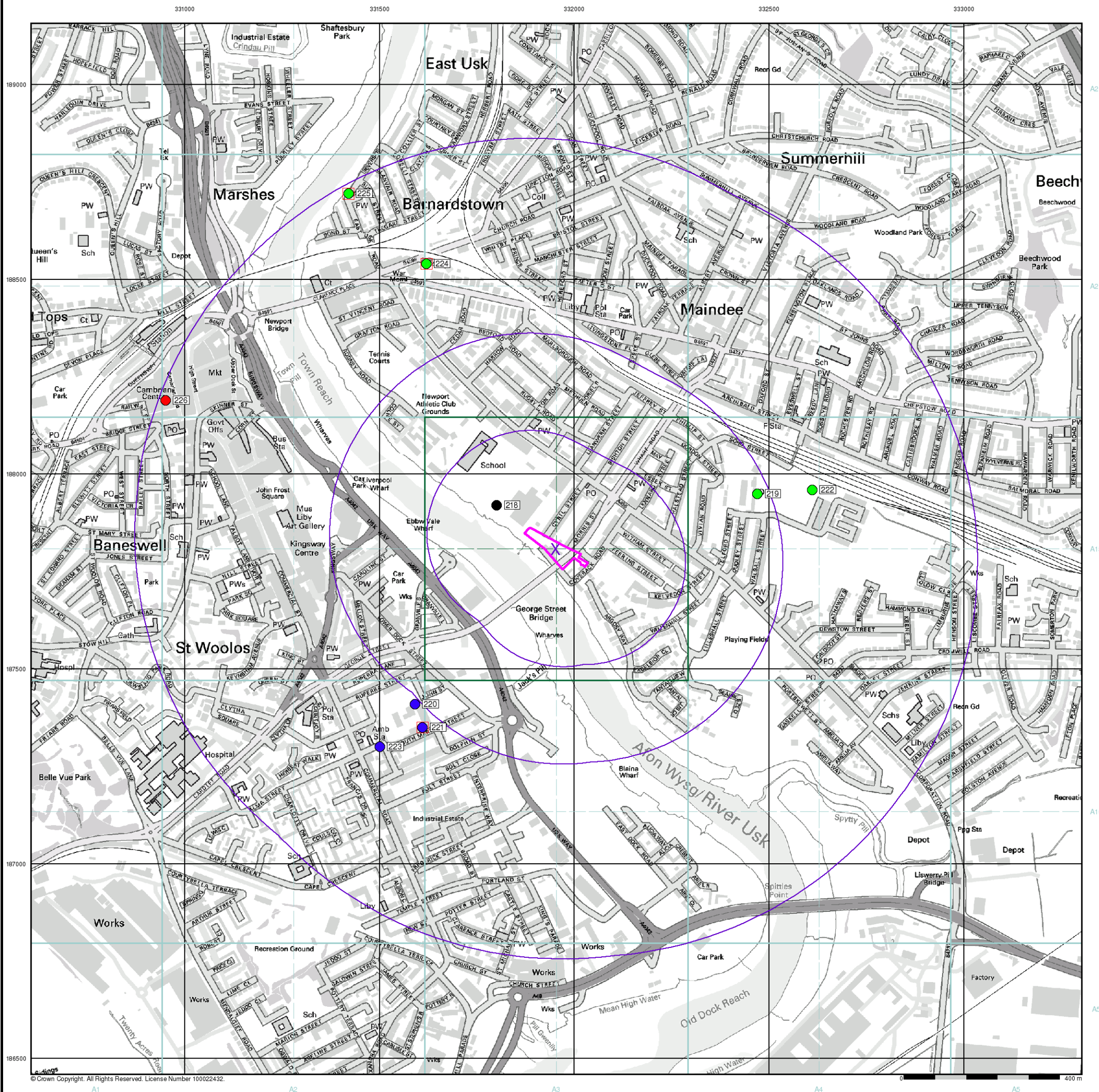


Order Details

Order Number: 29863233_1_1
 Customer Ref: 10454
 National Grid Reference: 331950, 187810
 Slice: A
 Site Area (Ha): 0.52
 Search Buffer (m): 1000

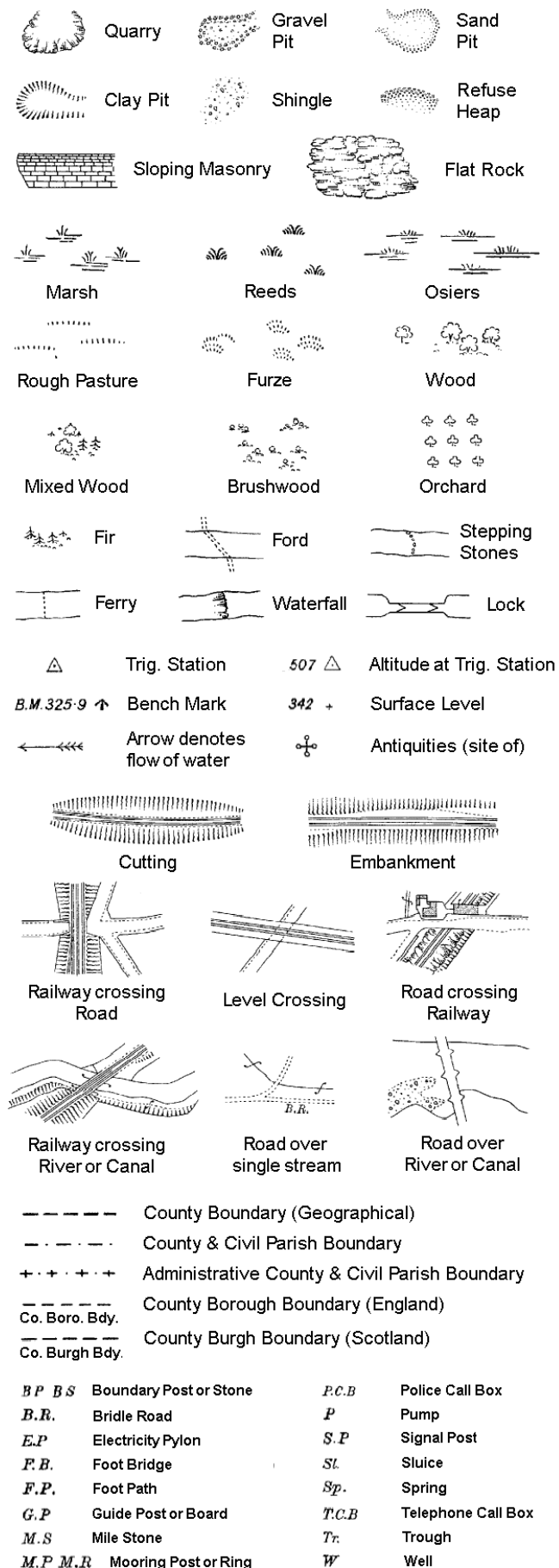
Site Details

Site at 331900, 187780

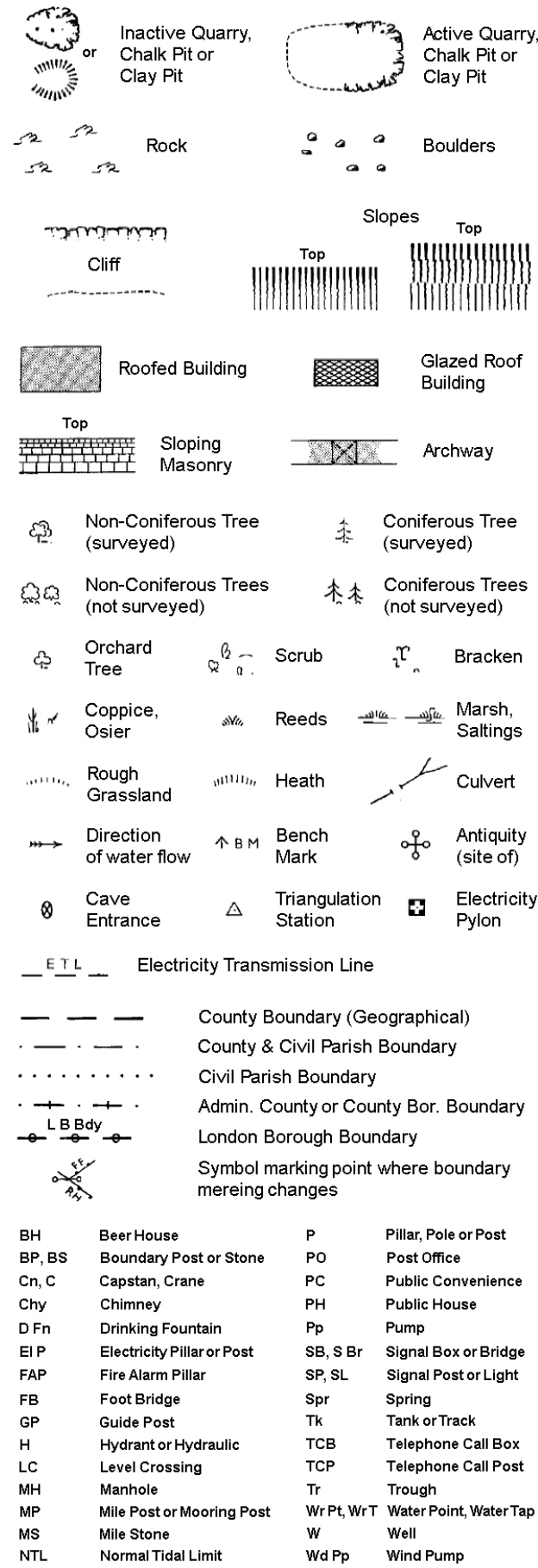


Historical Mapping Legends

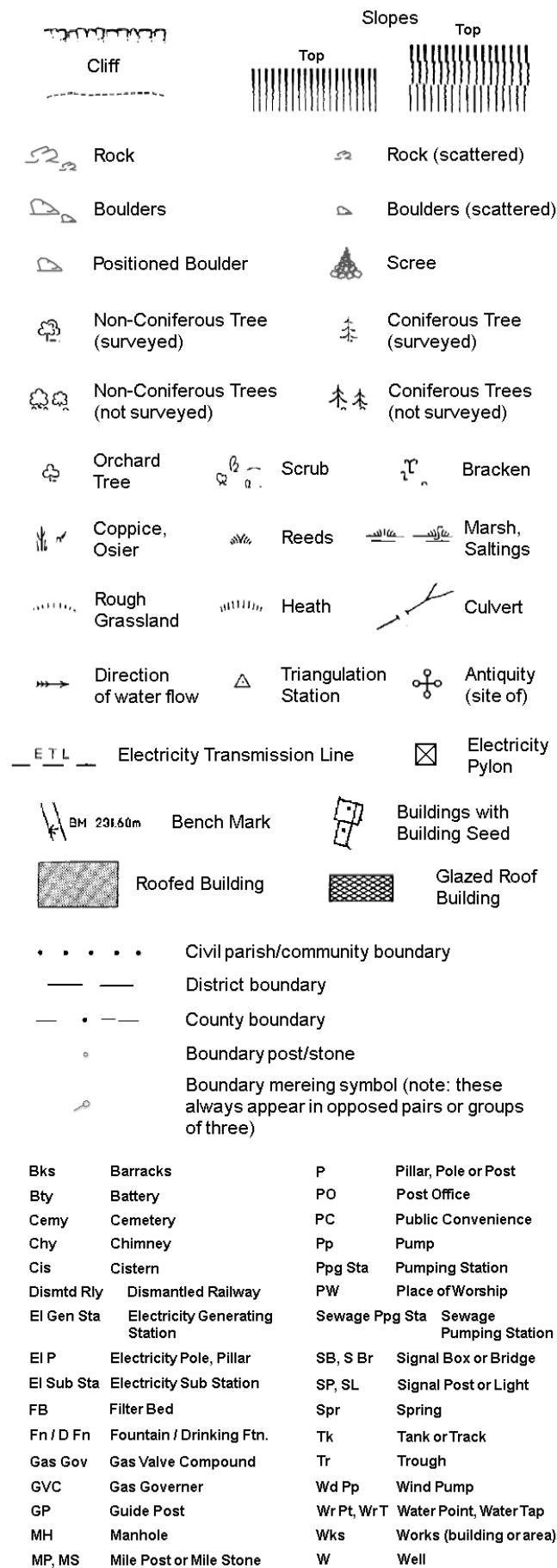
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



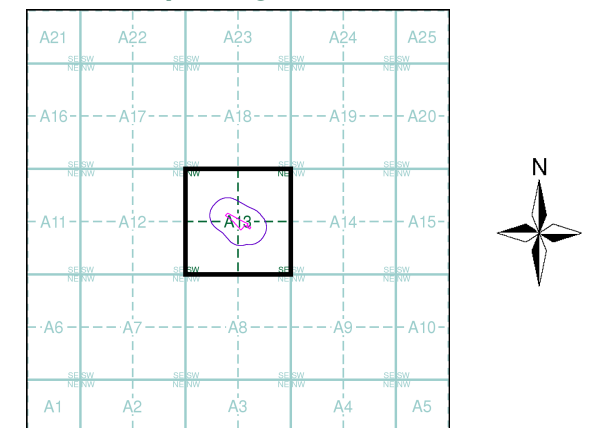
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Monmouthshire	1:2,500	1883 - 1884	2
Monmouthshire	1:2,500	1901 - 1902	3
Monmouthshire	1:2,500	1920 - 1921	4
Monmouthshire	1:2,500	1937	5
Ordnance Survey Plan	1:1,250	1955 - 1956	6
Ordnance Survey Plan	1:2,500	1956	7
Ordnance Survey Plan	1:1,250	1965 - 1974	8
Ordnance Survey Plan	1:2,500	1970	9
Ordnance Survey Plan	1:1,250	1974	10
Additional SIMs	1:1,250	1986 - 1991	11
Additional SIMs	1:1,250	1989	12
Additional SIMs	1:1,250	1991	13
Additional SIMs	1:1,250	1992	14
Large-Scale National Grid Data	1:1,250	1993	15
Large-Scale National Grid Data	1:1,250	1993 - 1994	16
Large-Scale National Grid Data	1:1,250	1995 - 1996	17
Large-Scale National Grid Data	1:1,250	1995	18

Historical Map - Segment A13



Order Details

Order Number: 29863233_1_1
Customer Ref: 10454
National Grid Reference: 331950, 187810
Slice: A
Site Area (Ha): 0.52
Search Buffer (m): 100

Site Details

Site at 331900, 187780



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Monmouthshire

Published 1883 - 1884

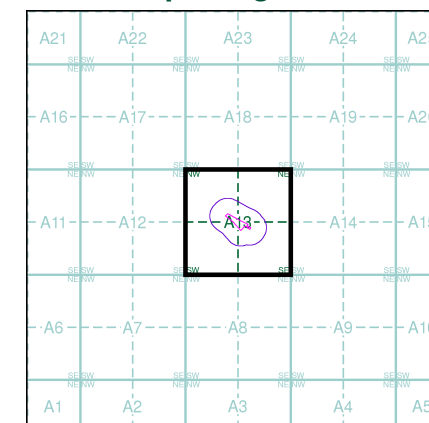
Source map scale - 1:2,500

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 and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below 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.

Map Name(s) and Date(s)

028_16 1883 1:2,500	029_13 1883 1:2,500
033_04 1884 1:2,500	034_01 1883 1:2,500

Historical Map - Segment A13



Order Details

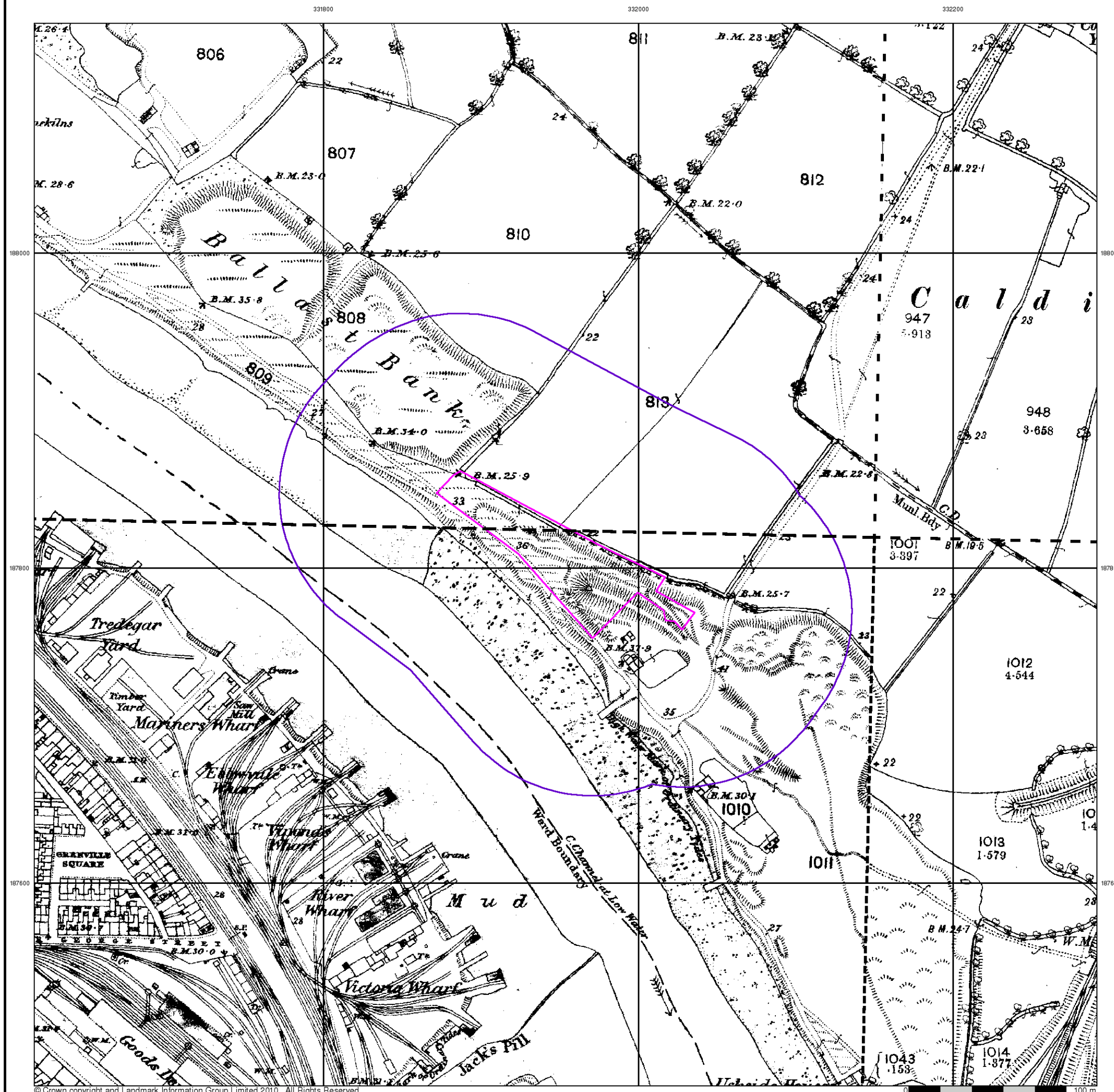
Order Number: 29863233_1_1
Customer Ref: 10454
National Grid Reference: 331950, 187810
Slice: A
Site Area (Ha): 0.52
Search Buffer (m): 100

Site Details

Site at 331900, 187780



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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 and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below 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.

Map Name(s) and Date(s)

028_16 1902 1:2,500	029_13 1901 1:2,500
033_04 1902 1:2,500	034_01 1901 1:2,500

Historical Map - Segment A13

A21	A22	A23	A24	A25
A16	A17	A18	A19	A20
A11	A12	A13	A14	A15
A6	A7	A8	A9	A10
A1	A2	A3	A4	A5

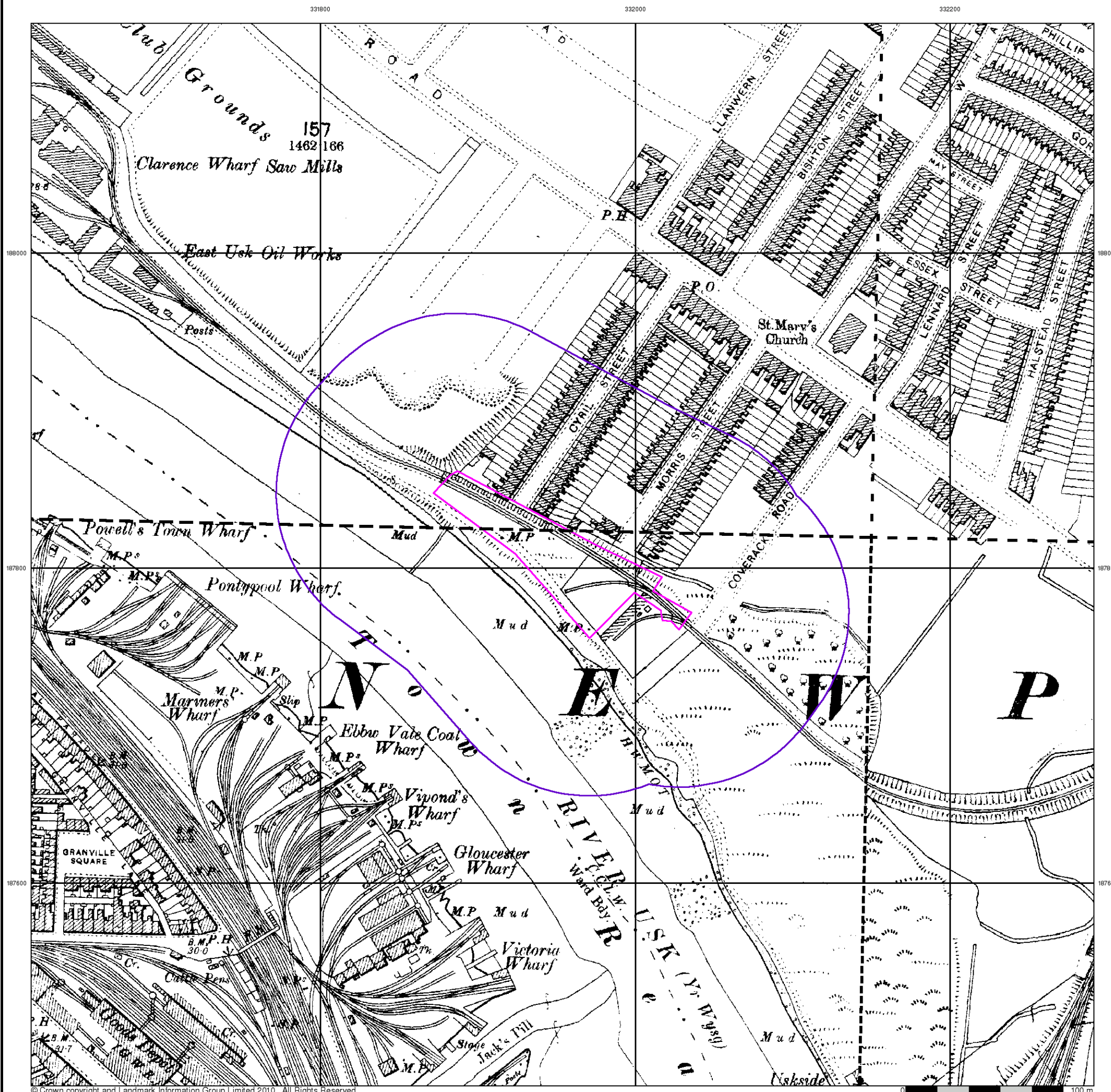


Order Details

Order Number: 29863233_1_1
 Customer Ref: 10454
 National Grid Reference: 331950, 187810
 Slice: A
 Site Area (Ha): 0.52
 Search Buffer (m): 100

Site Details

Site at 331900, 187780





Monmouthshire

Published 1920 - 1921

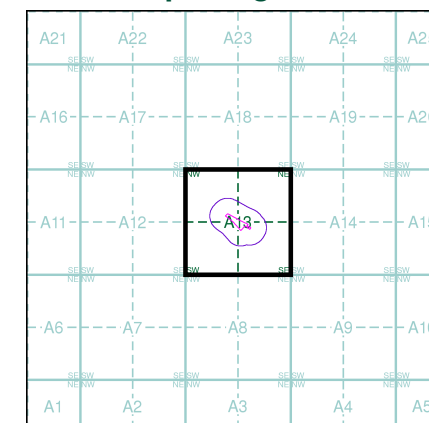
Source map scale - 1:2,500

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 and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below 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.

Map Name(s) and Date(s)

028_16 1920 1:2,500	029_13 1920 1:2,500
033_04 1921 1:2,500	034_01 1921 1:2,500

Historical Map - Segment A13



Order Details

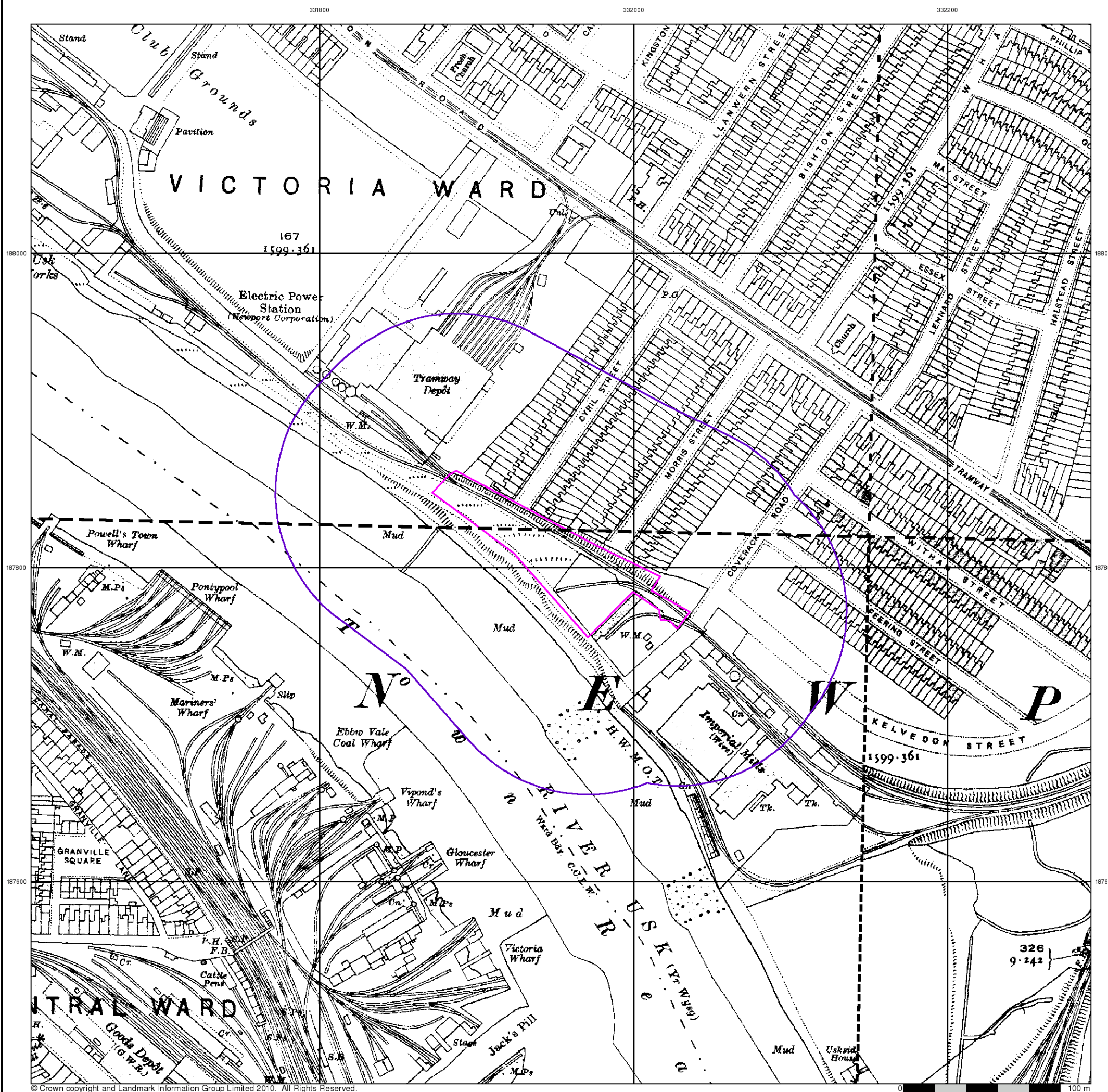
Order Number: 29863233_1_1
Customer Ref: 10454
National Grid Reference: 331950, 187810
Slice: A
Site Area (Ha): 0.52
Search Buffer (m): 100

Site Details

Site at 331900, 187780



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Monmouthshire

Published 1937

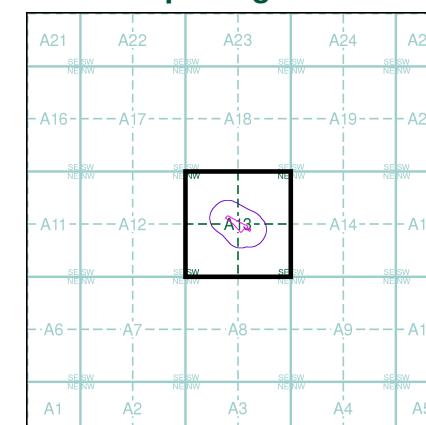
Source map scale - 1:2,500

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 and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below 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.

Map Name(s) and Date(s)

028_16 1937 1:2,500	029_13 1937 1:2,500
033_04 1937 1:2,500	034_01 1937 1:2,500

Historical Map - Segment A13



Order Details

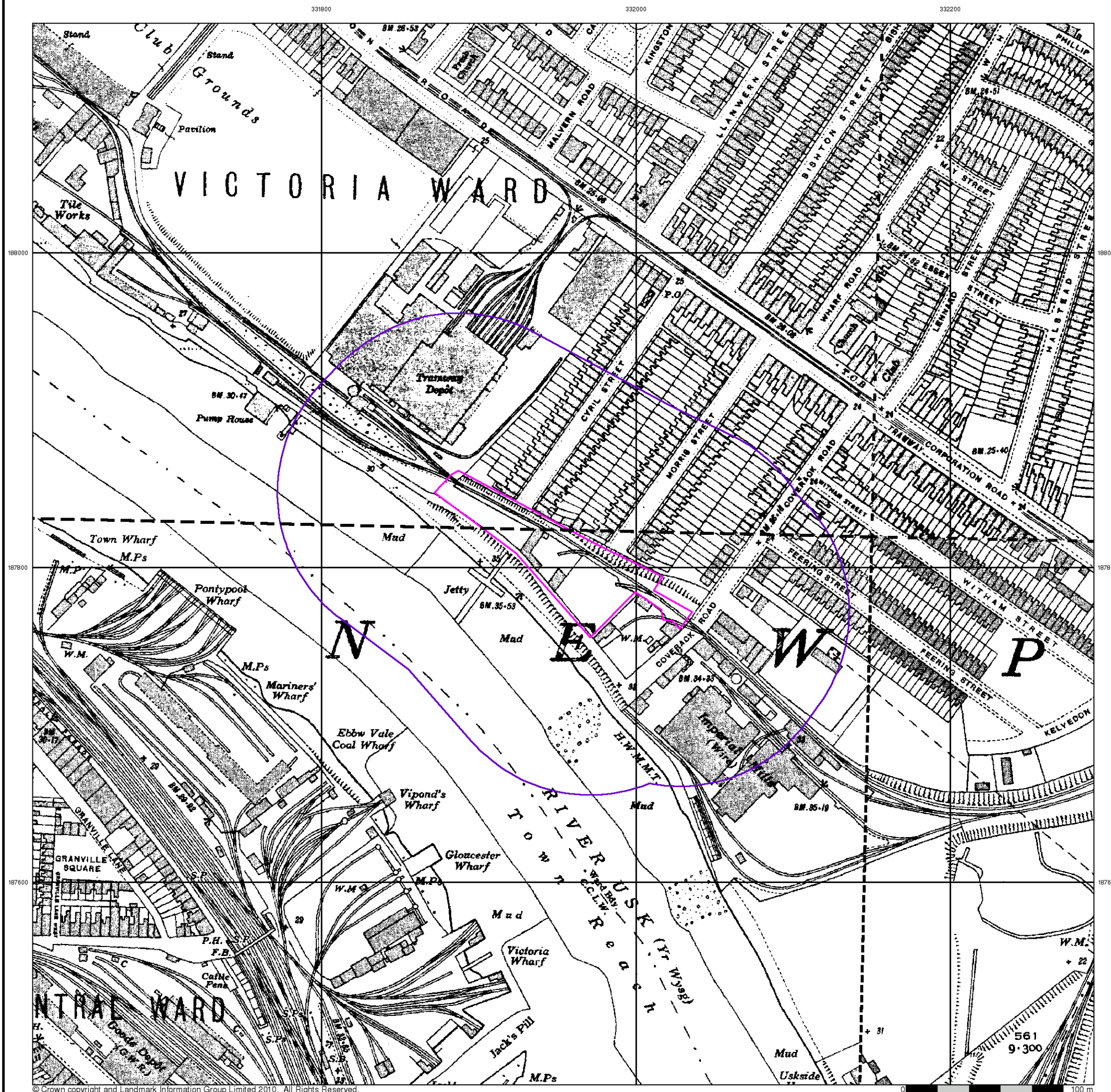
Order Number: 29863233_1_1
Customer Ref: 10454
National Grid Reference: 331950, 187810
Slice: A
Site Area (Ha): 0.52
Search Buffer (m): 100

Site Details

Site at 331900, 187780



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Ordnance Survey Plan

Published 1955 - 1956

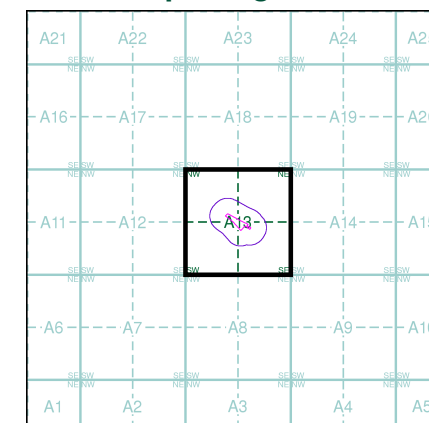
Source map scale - 1:1,250

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 and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below 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.

Map Name(s) and Date(s)

ST3188SE	ST3288SW
1955	1956
1:1,250	1:1,250
ST3187NE	ST3287NW
1956	1956
1:1,250	1:1,250
ST3187SE	ST3287SW
1956	1956
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

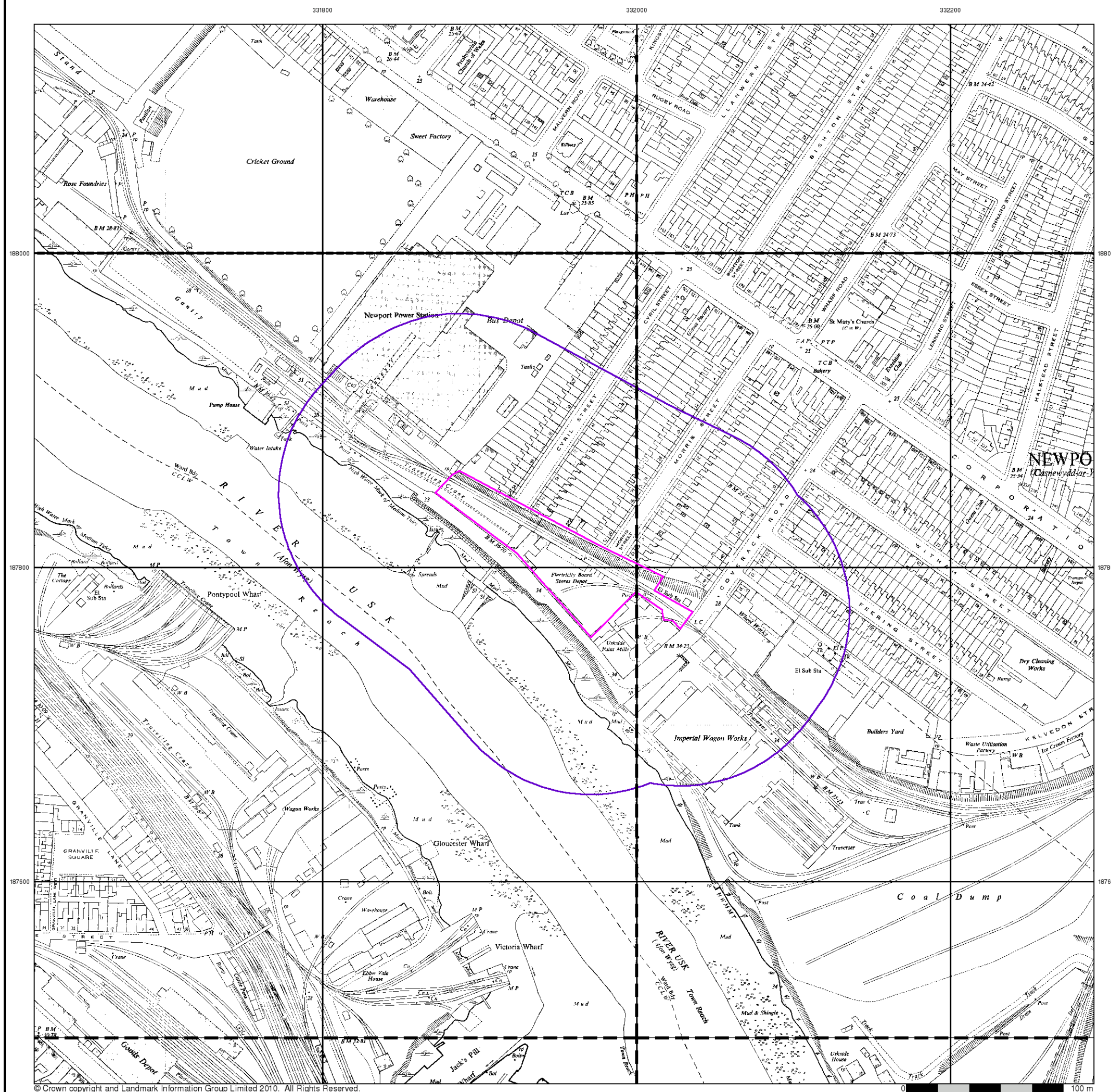
Order Number: 29863233_1_1
Customer Ref: 10454
National Grid Reference: 331950, 187810
Slice: A
Site Area (Ha): 0.52
Search Buffer (m): 100

Site Details

Site at 331900, 187780



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Ordnance Survey Plan

Published 1956

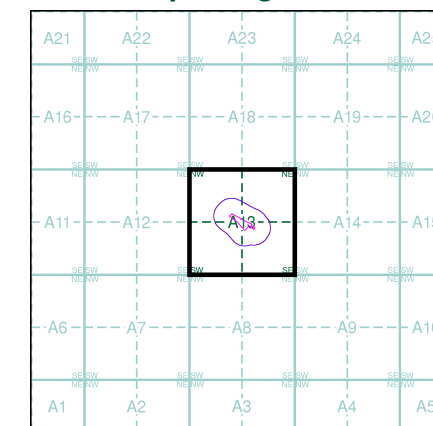
Source map scale - 1:2,500

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 and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below 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.

Map Name(s) and Date(s)

ST3188 1956 1:2,500	ST3288 1956 1:2,500
ST3187 1956 1:2,500	ST3287 1956 1:2,500

Historical Map - Segment A13



Order Details

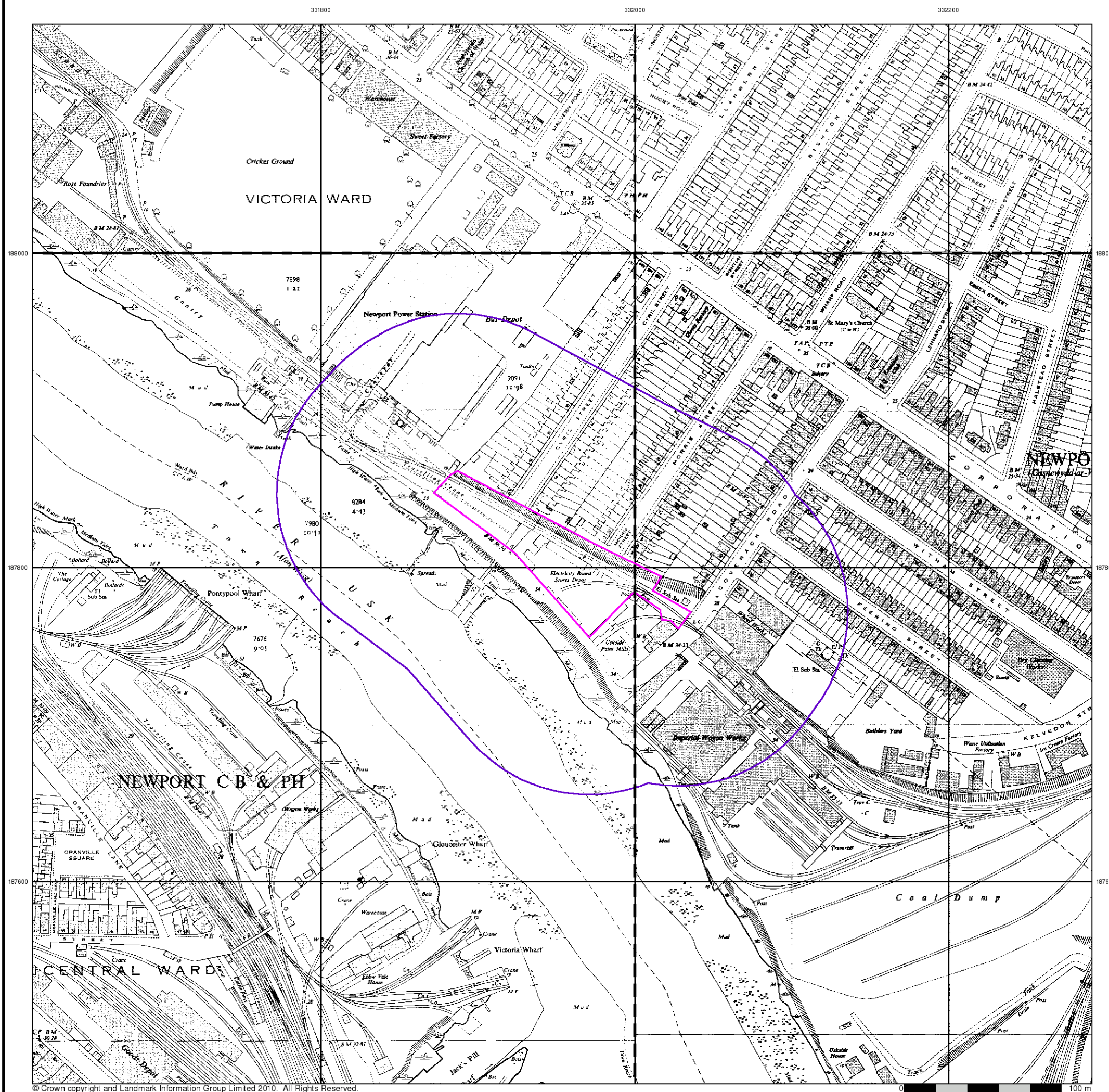
Order Number: 29863233_1_1
Customer Ref: 10454
National Grid Reference: 331950, 187810
Slice: A
Site Area (Ha): 0.52
Search Buffer (m): 100

Site Details

Site at 331900, 187780



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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 and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below 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.

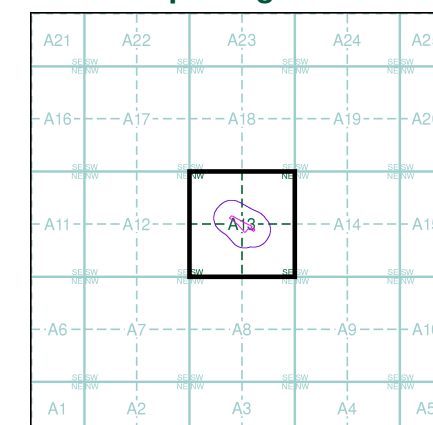
Map Name(s) and Date(s)

ST3188SEST3288SW
1974 1968
1:1,250 1:1,250

ST3187NEST3287NW
1965 1968
1:1,250 1:1,250

ST3187SEST3287SW
1967 1966
1:1,250 1:1,250

Historical Map - Segment A13



Order Details

Order Number:	29863233_1_1
Customer Ref:	10454
National Grid Reference:	331950, 187810
Slice:	A
Site Area (Ha):	0.52
Search Buffer (m):	100

Site Details

Site at 331900, 187780



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Ordnance Survey Plan

Published 1970

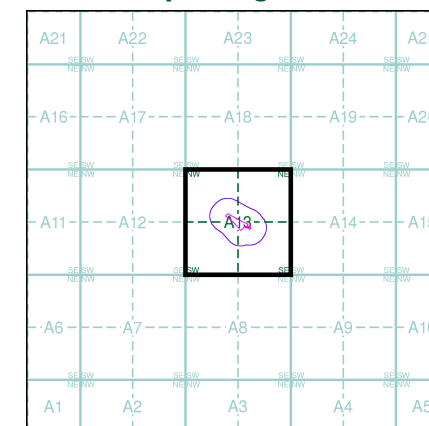
Source map scale - 1:2,500

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 and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below 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.

Map Name(s) and Date(s)

ST3188 1970 1:2,500	ST3288 1970 1:2,500
ST3187 1970 1:2,500	ST3287 1970 1:2,500

Historical Map - Segment A13



Order Details

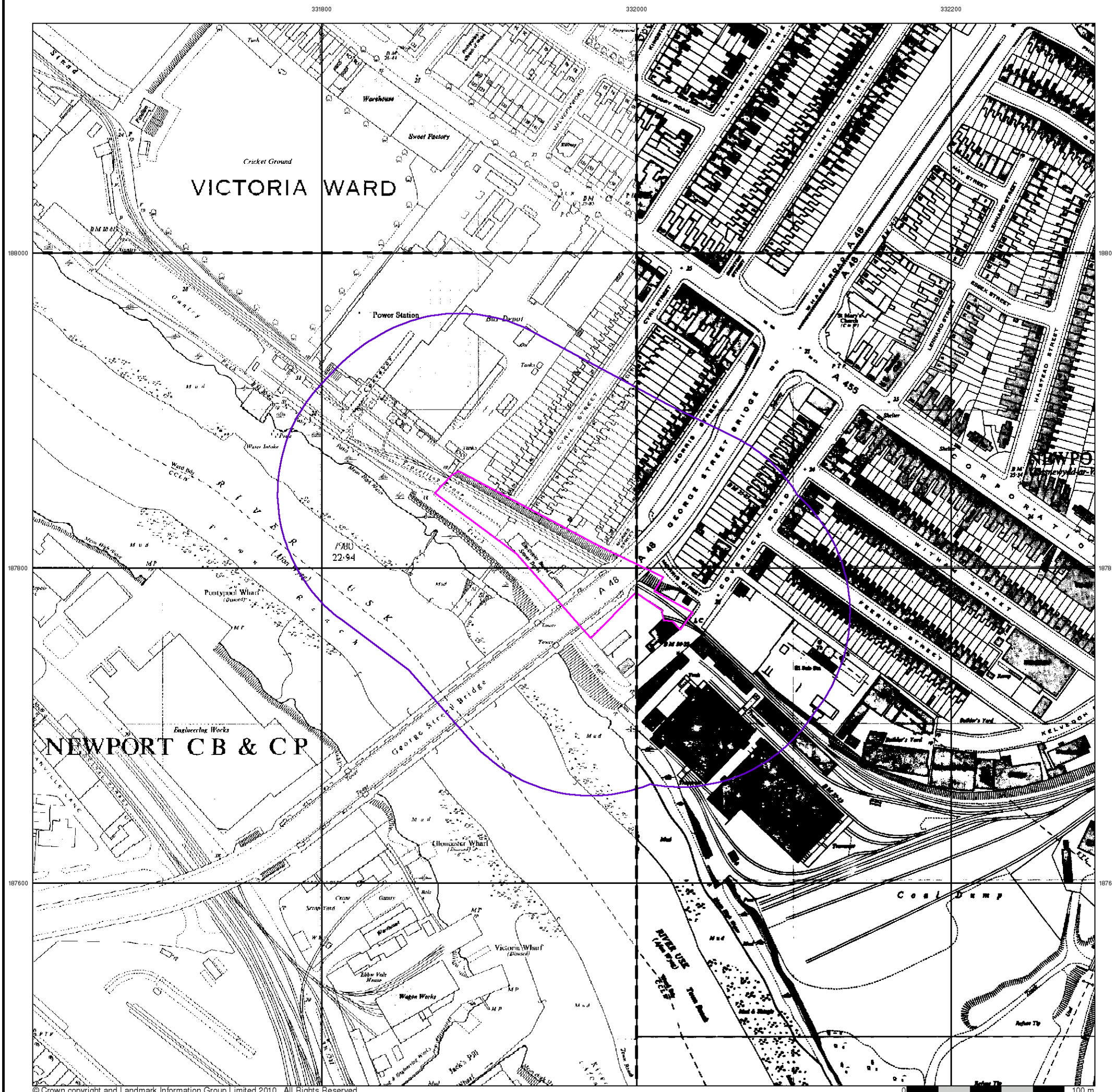
Order Number: 29863233_1_1
Customer Ref: 10454
National Grid Reference: 331950, 187810
Slice: A
Site Area (Ha): 0.52
Search Buffer (m): 100

Site Details

Site at 331900, 187780



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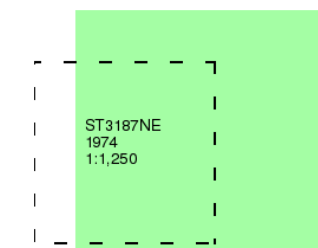
Ordnance Survey Plan

Published 1974

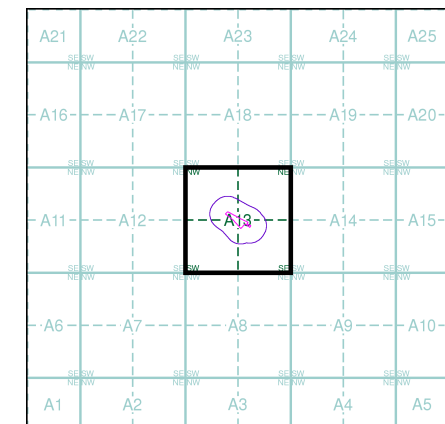
Source map scale - 1:1,250

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 and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below 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.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

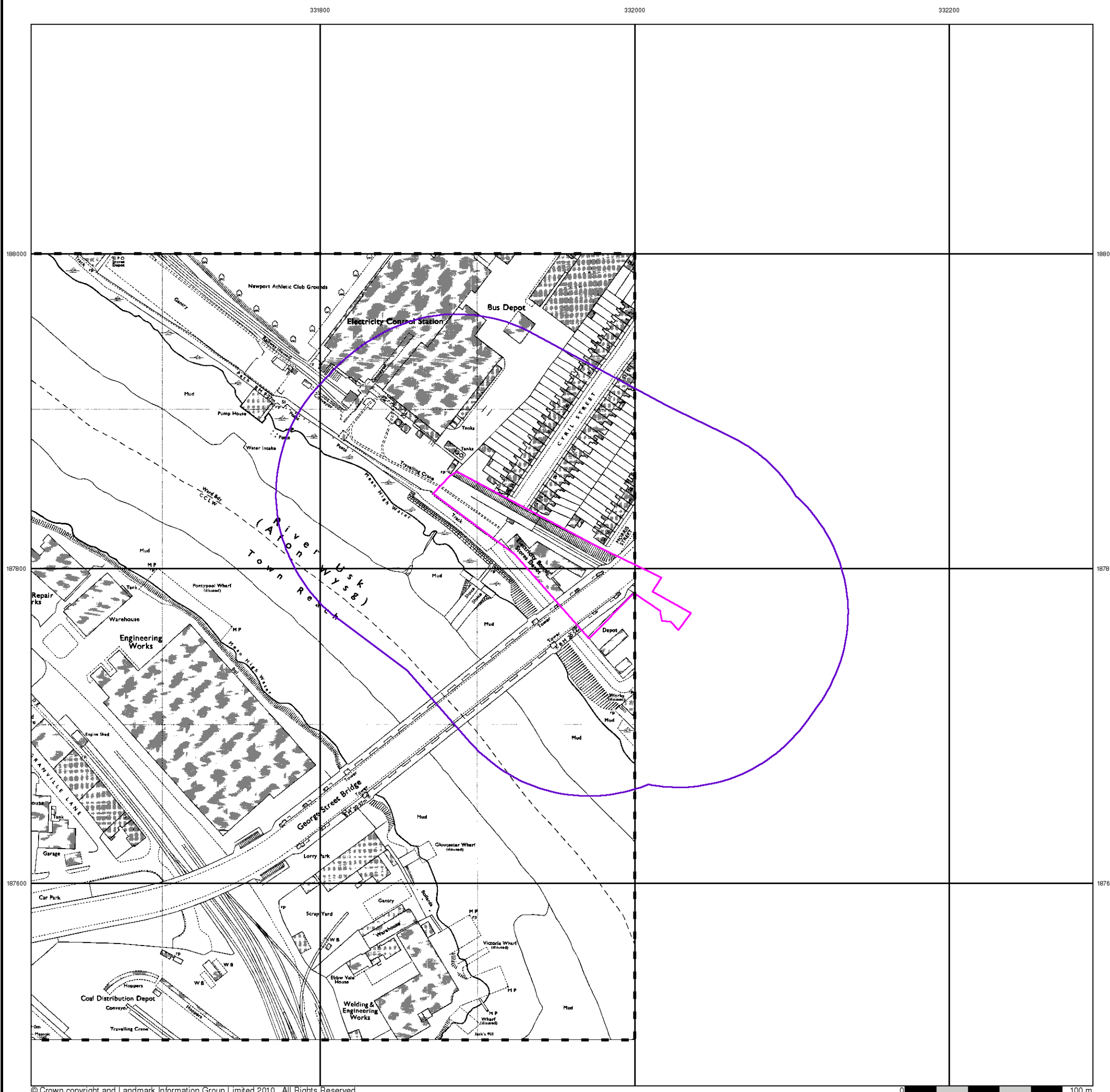
Order Number: 29863233_1_1
Customer Ref: 10454
National Grid Reference: 331950, 187810
Slice: A
Site Area (Ha): 0.52
Search Buffer (m): 100

Site Details

Site at 331900, 187780



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Additional SIMs

Published 1986 - 1991

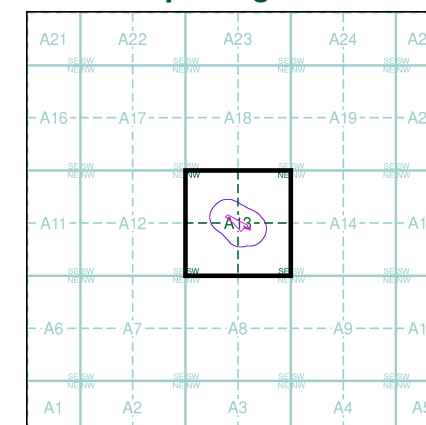
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

ST3288SW	1988	1:1,250
ST3187NE	1988	1:1,250
ST3287NW	1988	1:1,250
ST3187SE	1988	1:1,250
ST3287SW	1988	1:1,250

Historical Map - Segment A13



Order Details

Order Number: 29863233_1_1
Customer Ref: 10454
National Grid Reference: 331950, 187810
Slice: A
Site Area (Ha): 0.52
Search Buffer (m): 100

Site Details

Site at 331900, 187780



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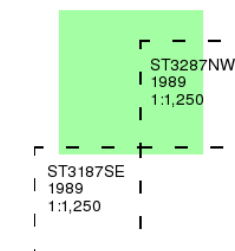
Additional SIMs

Published 1989

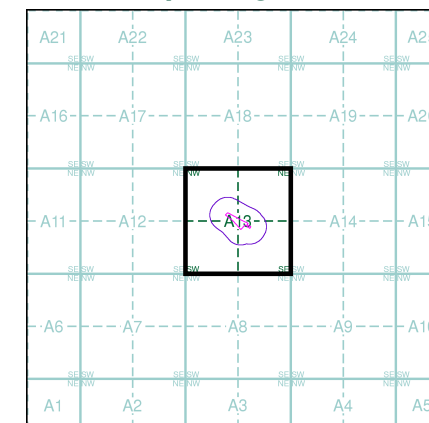
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. 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: 29863233_1_1
Customer Ref: 10454
National Grid Reference: 331950, 187810
Slice: A
Site Area (Ha): 0.52
Search Buffer (m): 100

Site Details

Site at 331900, 187780



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Additional SIMs

Published 1991

Source map scale - 1:1,250

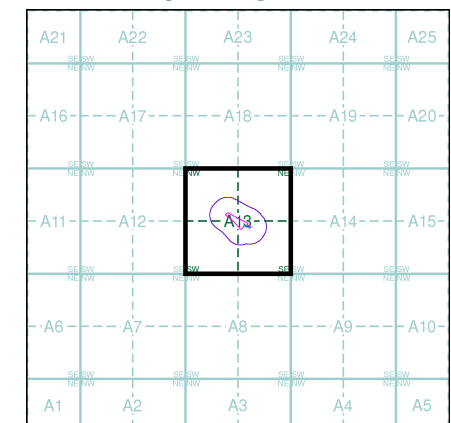
The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



ST3187SE
1991
1:1,250

Historical Map - Segment A13



Order Details

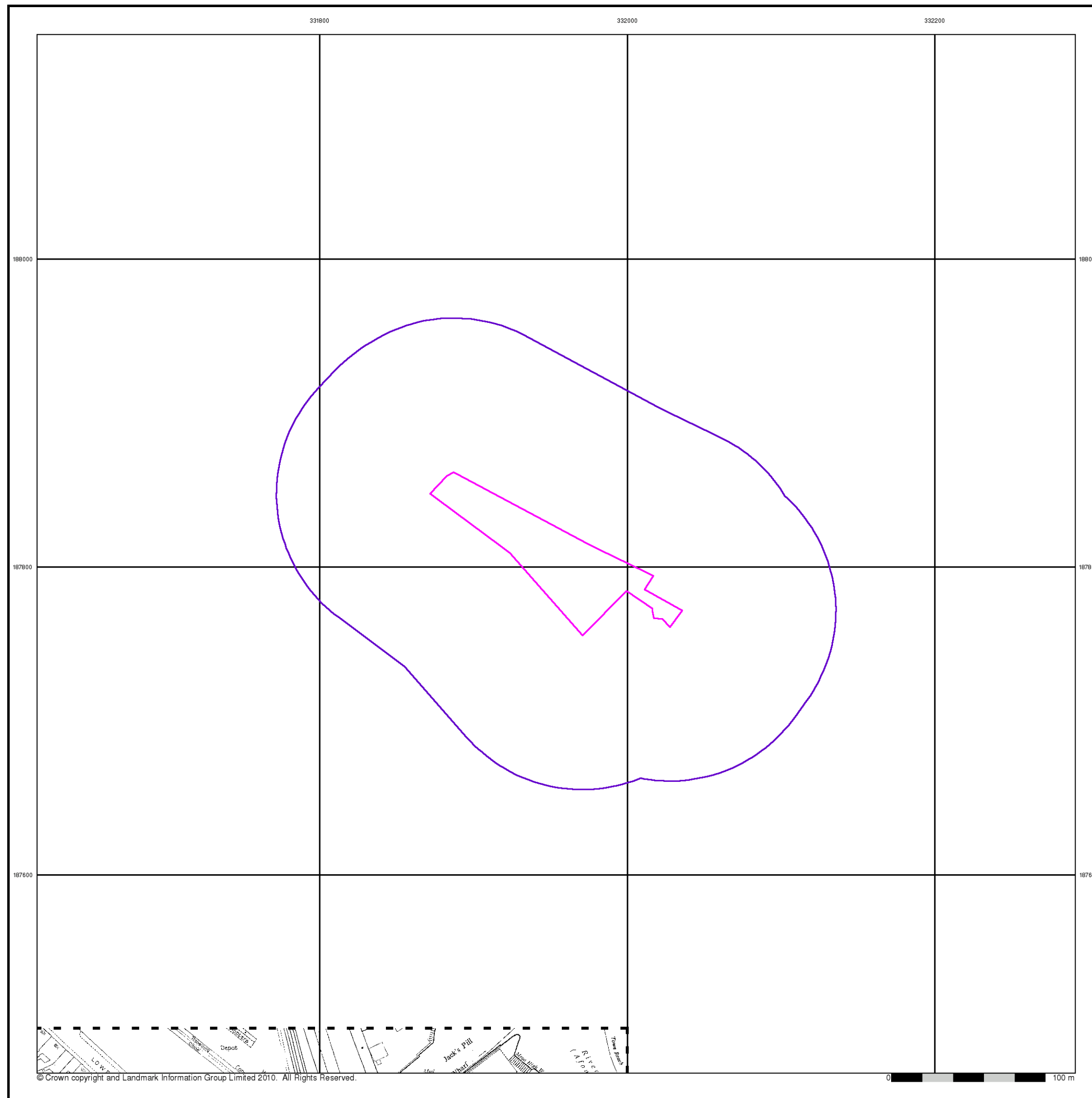
Order Number: 29863233_1_1
Customer Ref: 10454
National Grid Reference: 331950, 187810
Slice: A
Site Area (Ha): 0.52
Search Buffer (m): 100

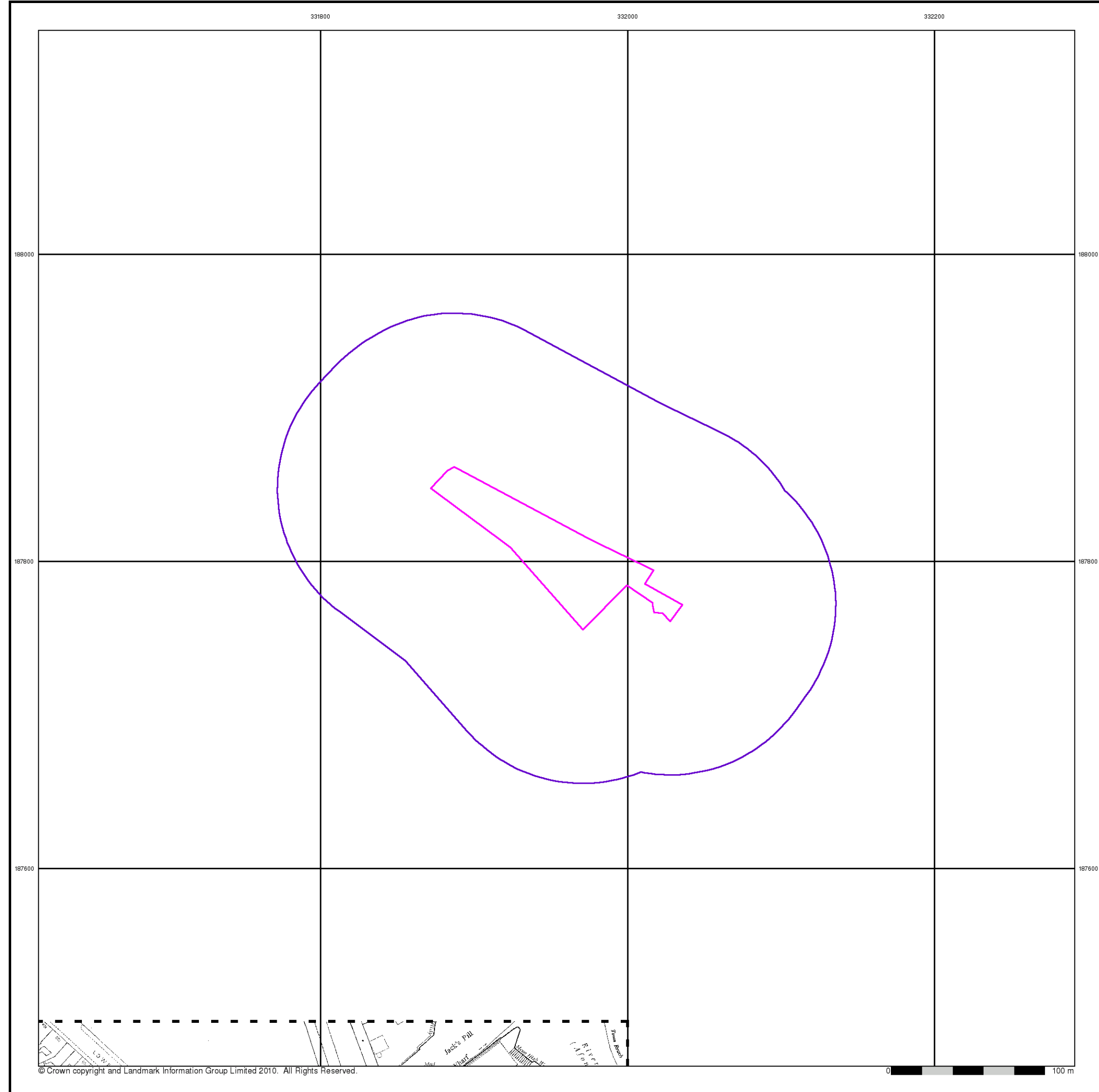
Site Details

Site at 331900, 187780



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





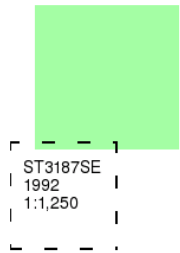
Additional SIMs

Published 1992

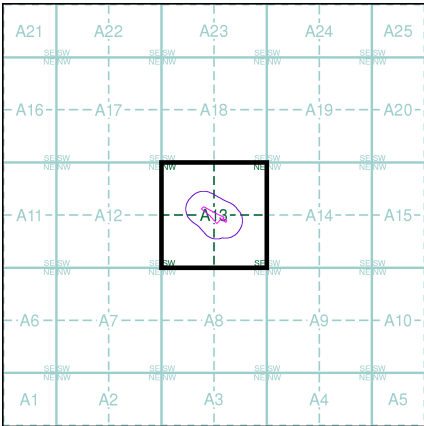
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. 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: 29863233_1_1
Customer Ref: 10454
National Grid Reference: 331950, 187810
Slice: A
Site Area (Ha): 0.52
Search Buffer (m): 100

Site Details

Site at 331900, 187780



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Large-Scale National Grid Data

Published 1993

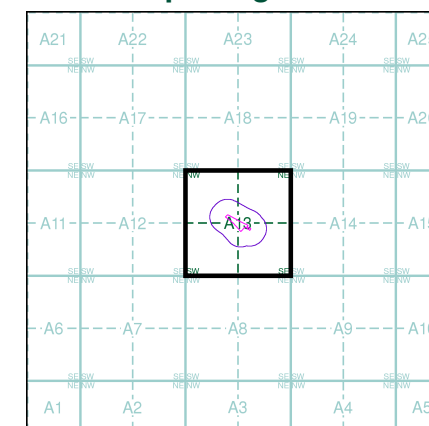
Source map scale - 1:1,250

'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)

ST3188SE	ST3288SW
1993	1993
1:1,250	1:1,250
ST3187NE	ST3287NW
1993	1993
1:1,250	1:1,250
ST3187SE	ST3287SW
1993	1993
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

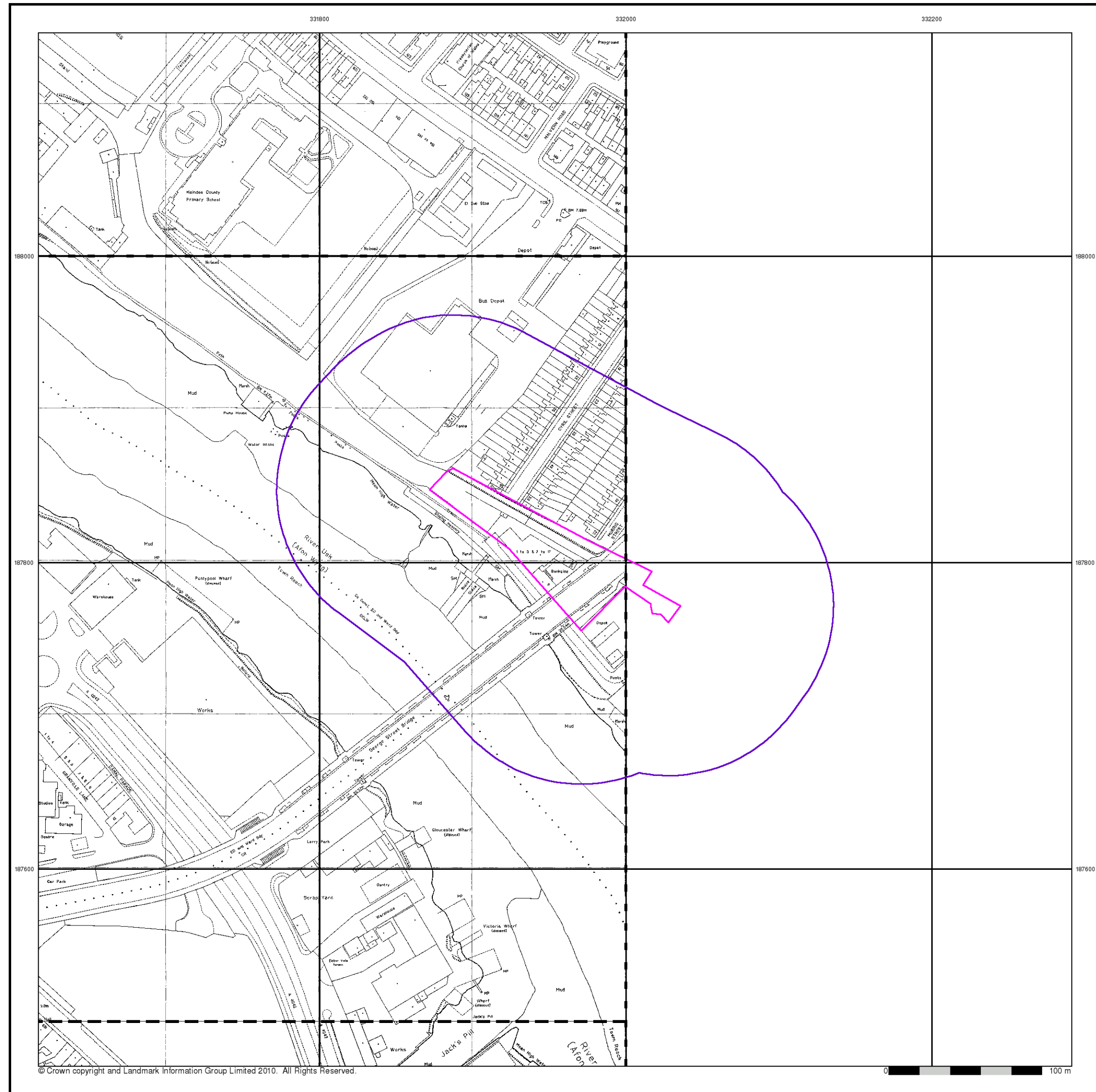
Order Number: 29863233_1_1
Customer Ref: 10454
National Grid Reference: 331950, 187810
Slice: A
Site Area (Ha): 0.52
Search Buffer (m): 100

Site Details

Site at 331900, 187780



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



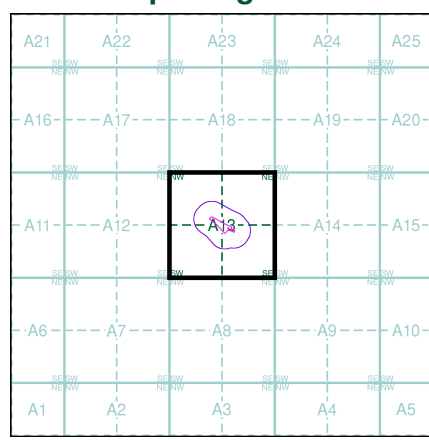
Large-Scale National Grid Data
Published 1993 - 1994
Source map scale - 1:1,250

'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)

ST3188SE
1994
1:1,250
ST3187NE
1994
1:1,250
ST3187SE
1993
1:1,250

Historical Map - Segment A13



Order Details

Order Number: 29863233_1_1
Customer Ref: 10454
National Grid Reference: 331950, 187810
Slice: A
Site Area (Ha): 0.52
Search Buffer (m): 100

Site Details

Site at 331900, 187780



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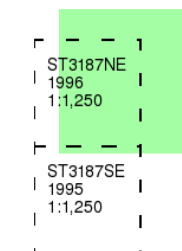
Large-Scale National Grid Data

Published 1995 - 1996

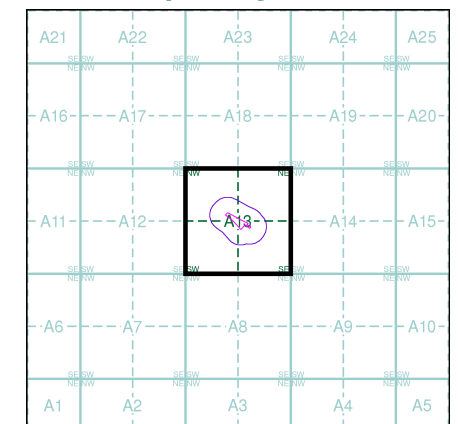
Source map scale - 1:1,250

'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

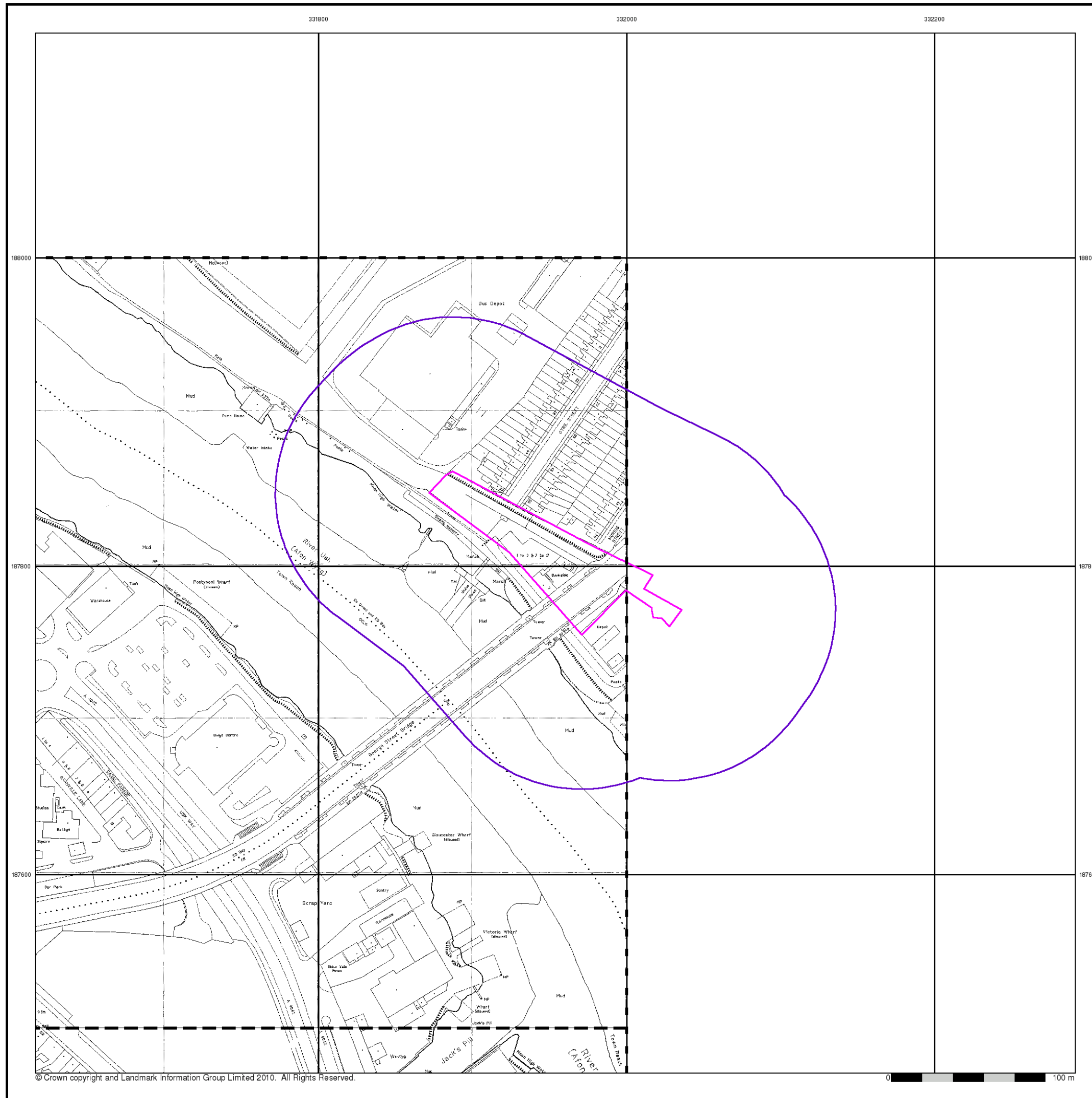
Order Number: 29863233_1_1
Customer Ref: 10454
National Grid Reference: 331950, 187810
Slice: A
Site Area (Ha): 0.52
Search Buffer (m): 100

Site Details

Site at 331900, 187780



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Large-Scale National Grid Data

Published 1995

Source map scale - 1:1,250

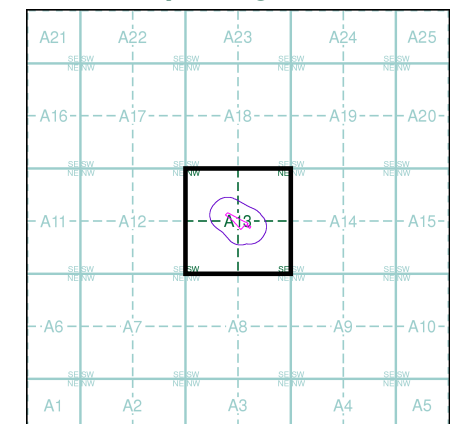
'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic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

Map Name(s) and Date(s)



ST3187SE
1995
1:1,250

Historical Map - Segment A13



Order Details

Order Number: 29863233_1_1
Customer Ref: 10454
National Grid Reference: 331950, 187810
Slice: A
Site Area (Ha): 0.52
Search Buffer (m): 100

Site Details

Site at 331900, 187780



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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
	Ch Church		Post Office
	CH Club House		Public Convenience
	F E Sta Fire Engine Station		Public House
	FB Foot Bridge		Signal Box
	Fn Fountain		Spring
	GP Guide Post		Telephone Call Box
	MP Mile Post		Telephone Call Post
	MS Mile Stone		Well

1:10,000 Raster Mapping

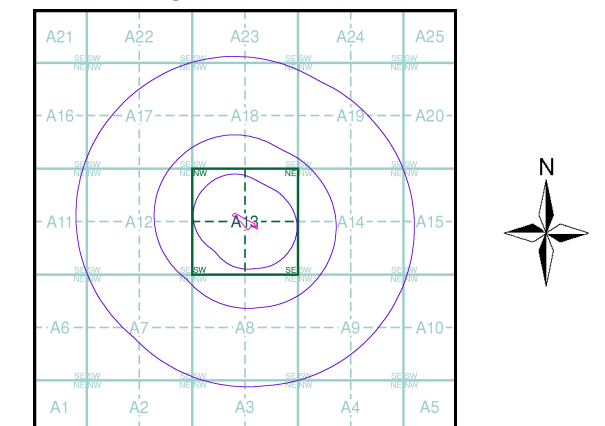
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, 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



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Monmouthshire	1:10,560	1886 - 1887	3
Monmouthshire	1:10,560	1902	4
Monmouthshire	1:10,560	1922	5
Monmouthshire	1:10,560	1938	6
Historical Aerial Photography	1:10,560	1947	7
Historical Aerial Photography	1:10,560	1947	8
Monmouthshire	1:10,560	1954	9
Ordnance Survey Plan	1:10,000	1965	10
Ordnance Survey Plan	1:10,000	1973	11
Ordnance Survey Plan	1:10,000	1981	12
Newport	1:10,000	1983	13
Ordnance Survey Plan	1:10,000	1987	14
10K Raster Mapping	1:10,000	1999	15
10K Raster Mapping	1:10,000	2006	16
10K Raster Mapping	1:10,000	2009	17

Historical Map - Slice A



Order Details

Order Number: 29863233_1_1
Customer Ref: 10454
National Grid Reference: 331950, 187810
Slice: A
Site Area (Ha): 0.52
Search Buffer (m): 1000

Site Details

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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

Government and Administrative Buildings Military and Industrial Buildings

Military and Communication Areas Subway Entrance

Fireproof Building Prominent Fireproof Building

Non-fireproof Building Non-fireproof Building (non-dwelling)

Factory, mill, and flour mill, with chimneys Factory, mill, and flour mill, without chimneys

Power Station, drawn to scale Hydroelectric Power Station

Radio Station, drawn to scale Telephone Station, drawn to scale

Abandoned Open-pit Mine or Quarry Open-pit Salt Mine

Pit Oil Deposit or Well Oil Seepage

Tailings Pile Fuel Storage Tanks Natural Gas Tank

Bench Mark Drill Hole Burial Mound Triangulation Point on Burial Mound

Single-track Railroad Double-track Railroad and Station Building

Coniferous Forest Deciduous Forest Mixed Forest

Lawns Citrus Orchard Wet Ground Scattered Vegetation

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

180/12 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 (-)
Д д (D)	Л л (L)	У у (U)	Ы (Y)
Е е (E)	М м (M)	Ф ф (F)	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

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, Fireproof Ruins of an Individual Dwelling

Factory or Mill Chimney Factory or Mill with Chimney Factory or Mill without Chimney Mine or Open Pit Mine

Operating Shaft or Mine Non-Operating Shaft or Mine Salt Mine Tailings Pile

Pit Stone Quarry Gas Pump or Service Station Fuel Storage or Natural Gas Tank

Oil or Natural Gas Derrick Small Hydroelectric Power Station Power Station Transformer Station

Cemetery Burial Mound (height in metres) Triangulation Point on Burial Mound Triangulation Point

Bench Mark Bench Mark (monumented) Telegraph Office Telephone Station

Radio Station Radio Tower Airfield or Seaplane Base Landing Strip

Telegraph/Telephone Lines Main Highway Highway under Construction Improved Dirt Road (former truck road)

Double-track Railroad with First Class Station Dismantled Railroad Railroad Under Construction

Shore Embankment River or Ditch with Embankment Direction and velocity of current Water Gauge Water Level Mark

Well Water Reservoir or Rain Water Pit Spring Isobath with value

Heavy (Index) Contour Line Contour Line and Value Half Contour Line Spot Elevation Value

Coniferous Deciduous Mixed Scrub

Key to Numbers on Mapping

ST38NW_Newport

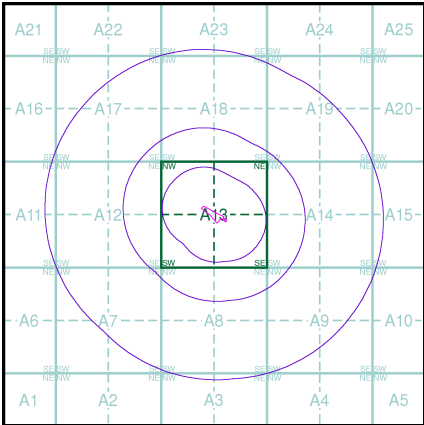
No.	Description
2	Dockyard (Ship Building)
13	Factory (Railway Carriages)
17	Factory (Rope)
18	Foundry (Cast Iron)
19	Factory (Machinery)
20	Factory (Machinery)
26	Factory (Metals)
33	Factory (Chemicals)
38	Bridge (Road)
39	Council/Government Buildings/Courts
42	Bus And Tram Park
43	Railway Park
44	Police Station/Headquarters
54	Post Office
60	Warehouses (Use Unknown)
63	Warehouses (Use Unknown) And Port Buildings
69	Railway Station
84	Power Station (Thermo-Electric)



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Monmouthshire	1:10,560	1886 - 1887	3
Monmouthshire	1:10,560	1902	4
Monmouthshire	1:10,560	1922	5
Monmouthshire	1:10,560	1938	6
Historical Aerial Photography	1:10,560	1947	7
Historical Aerial Photography	1:10,560	1947	8
Monmouthshire	1:10,560	1954	9
Ordnance Survey Plan	1:10,000	1965	10
Ordnance Survey Plan	1:10,000	1973	11
Ordnance Survey Plan	1:10,000	1981	12
Newport	1:10,000	1983	13
Ordnance Survey Plan	1:10,000	1987	14
10K Raster Mapping	1:10,000	1999	15
10K Raster Mapping	1:10,000	2006	16
10K Raster Mapping	1:10,000	2009	17

Russian Map - Slice A



Order Details

Order Number: 29863233_1_1
Customer Ref: 10454
National Grid Reference: 331950, 187810
Slice: A
Site Area (Ha): 0.52
Search Buffer (m): 1000

Site Details

Site at 331900, 187780



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Monmouthshire

Published 1886 - 1887

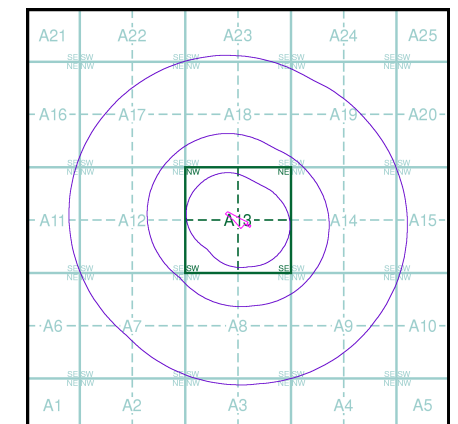
Source map scale - 1:10,560

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)

02800 1886 1:10,560	02900 1886 1:10,560
03300 1887 1:10,560	03400 1887 1:10,560

Historical Map - Slice A

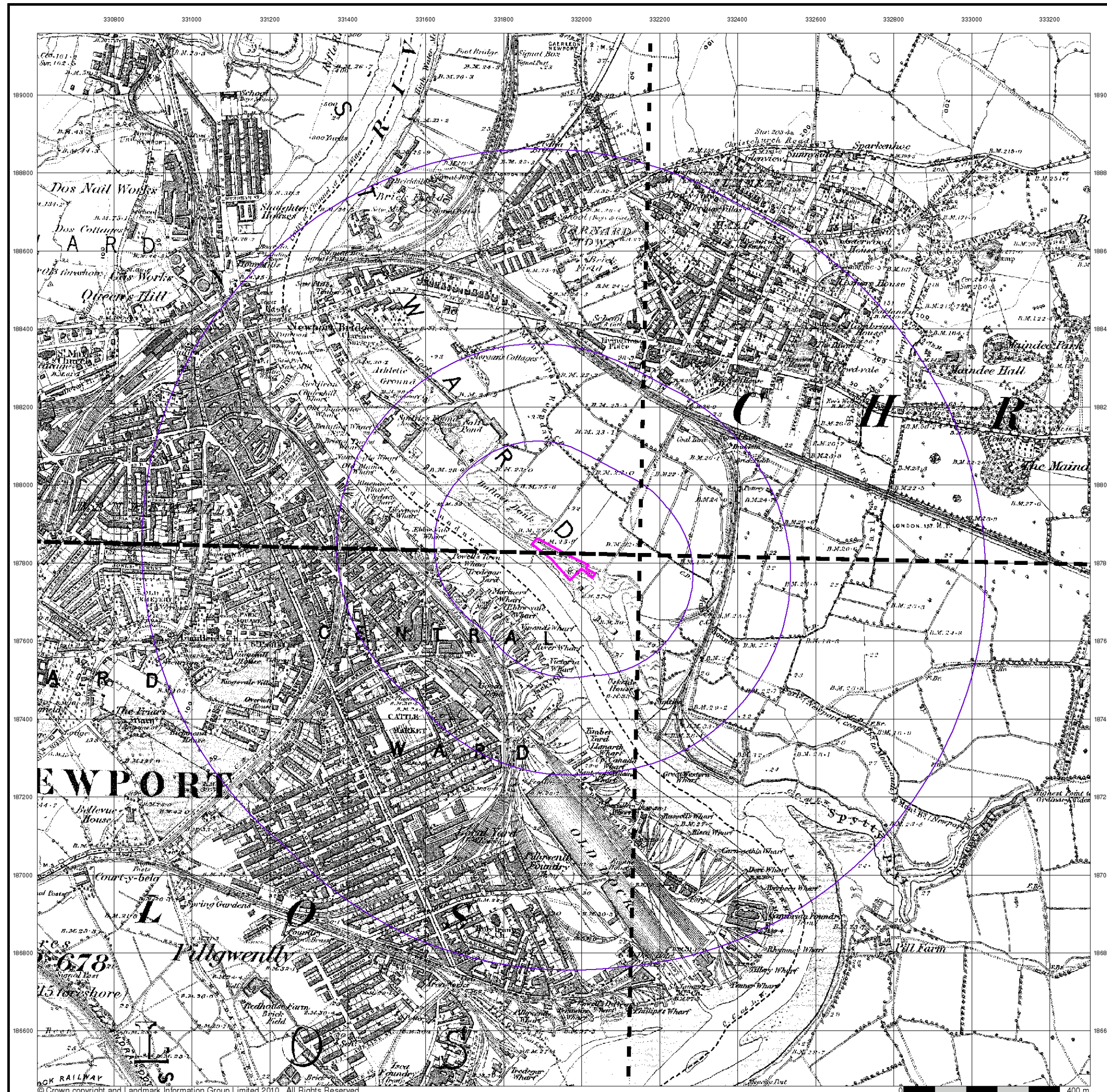


Order Details

Order Number: 29863233_1_1
 Customer Ref: 10454
 National Grid Reference: 331950, 187810
 Slice: A
 Site Area (Ha): 0.52
 Search Buffer (m): 1000

Site Details

Site at 331900, 187780





Monmouthshire

Published 1902

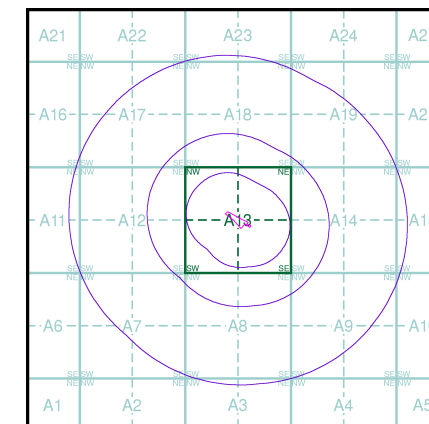
Source map scale - 1:10,560

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)

028SE 1902 1:10,560	029SW 1902 1:10,560
033NE 1902 1:10,560	034NW 1902 1:10,560

Historical Map - Slice A



Order Details

Order Number: 29863233_1_1
Customer Ref: 10454
National Grid Reference: 331950, 187810
Slice: A
Site Area (Ha): 0.52
Search Buffer (m): 1000

Site Details

Site at 331900, 187780



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Monmouthshire

Published 1922

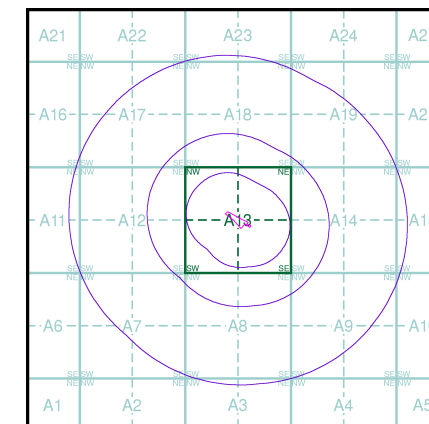
Source map scale - 1:10,560

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)

028SE 1922 1:10,560	029SW 1922 1:10,560
033NE 1922 1:10,560	034NW 1922 1:10,560

Historical Map - Slice A



Order Details

Order Number: 29863233_1_1
 Customer Ref: 10454
 National Grid Reference: 331950, 187810
 Slice: A
 Site Area (Ha): 0.52
 Search Buffer (m): 1000

Site Details

Site at 331900, 187780



Monmouthshire

Published 1938

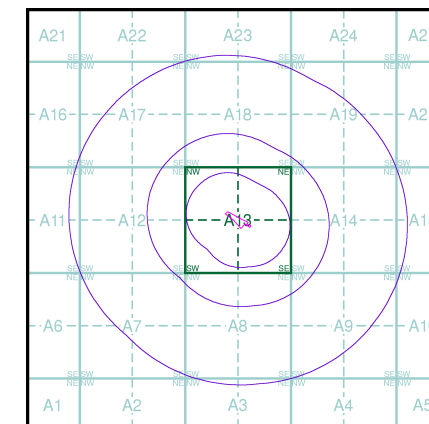
Source map scale - 1:10,560

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)

028SE 1938 1:10,560	029SW 1938 1:10,560
033NE 1938 1:10,560	034NW 1938 1:10,560

Historical Map - Slice A



Order Details

Order Number: 29863233_1_1
 Customer Ref: 10454
 National Grid Reference: 331950, 187810
 Slice: A
 Site Area (Ha): 0.52
 Search Buffer (m): 1000

Site Details

Site at 331900, 187780





Historical Aerial Photography

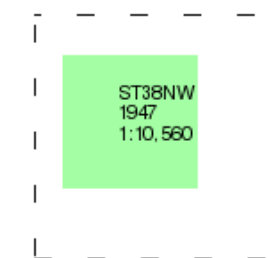
Published 1947

Source map scale - 1:10,560

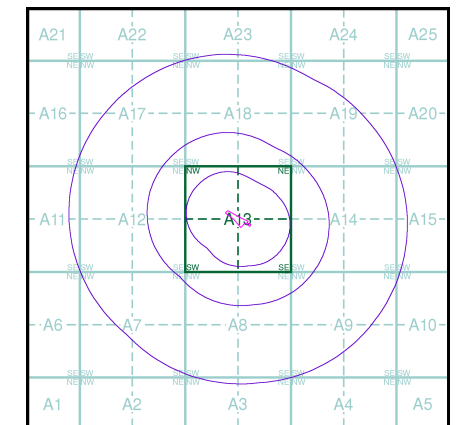
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 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)



Historical Aerial Photography - Slice A



Order Details

Order Number: 29863233_1_1
Customer Ref: 10454
National Grid Reference: 331950, 187810
Slice: A
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Historical Aerial Photography

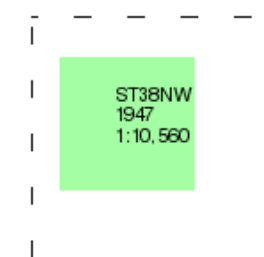
Published 1947

Source map scale - 1:10,560

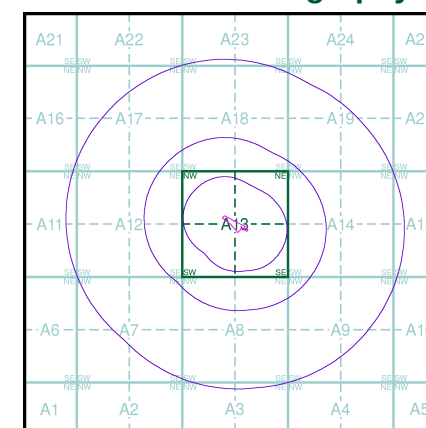
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 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)



Historical Aerial Photography - Slice A



Order Details

Order Number: 29863233_1_1
Customer Ref: 10454
National Grid Reference: 331950, 187810
Slice: A
Site Area (Ha): 0.52
Search Buffer (m): 1000

Site Details

Site at 331900, 187780



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Monmouthshire

Published 1954

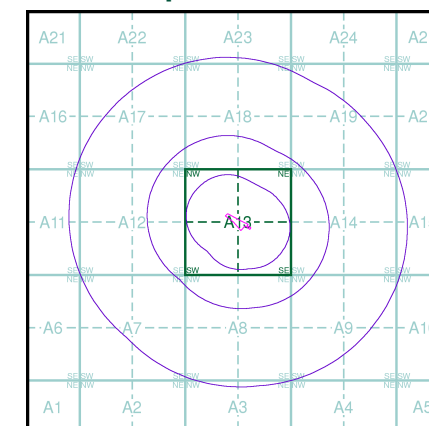
Source map scale - 1:10,560

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)

028SE 1954 1:10,560	029SW 1954 1:10,560
033NE 1954 1:10,560	034NW 1954 1:10,560

Historical Map - Slice A



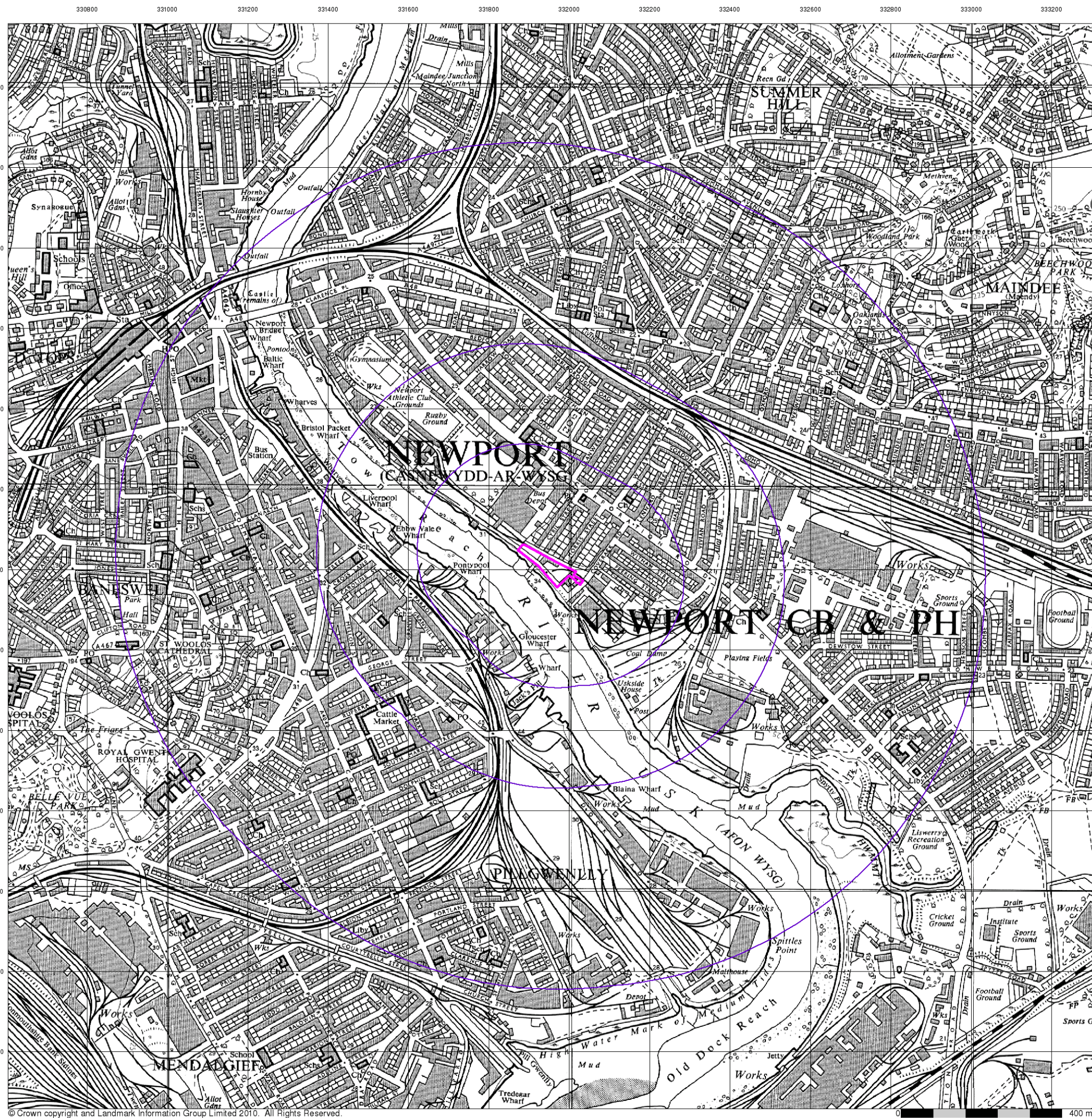
Order Details

Order Number: 29863233_1_1
 Customer Ref: 10454
 National Grid Reference: 331950, 187810
 Slice: A
 Site Area (Ha): 0.52
 Search Buffer (m): 1000

Site Details

Site at 331900, 187780





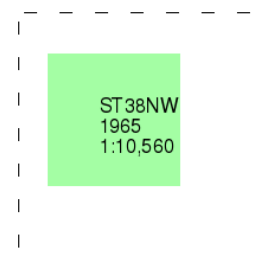
Ordnance Survey Plan

Published 1965

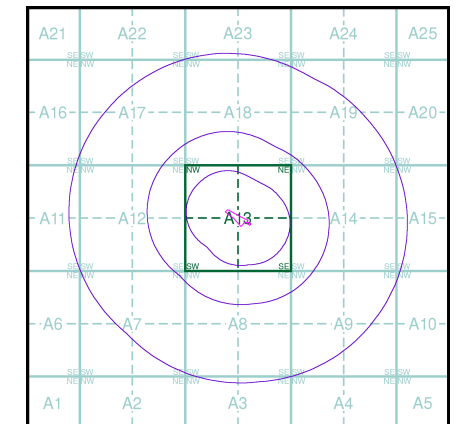
Source map scale - 1:10,000

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: 29863233_1_1
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Slice: A
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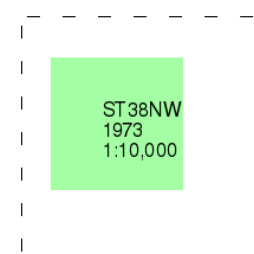
Ordnance Survey Plan

Published 1973

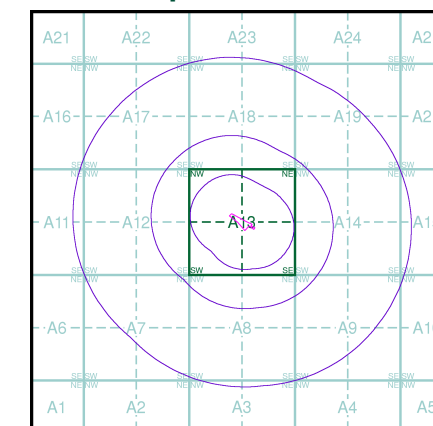
Source map scale - 1:10,000

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

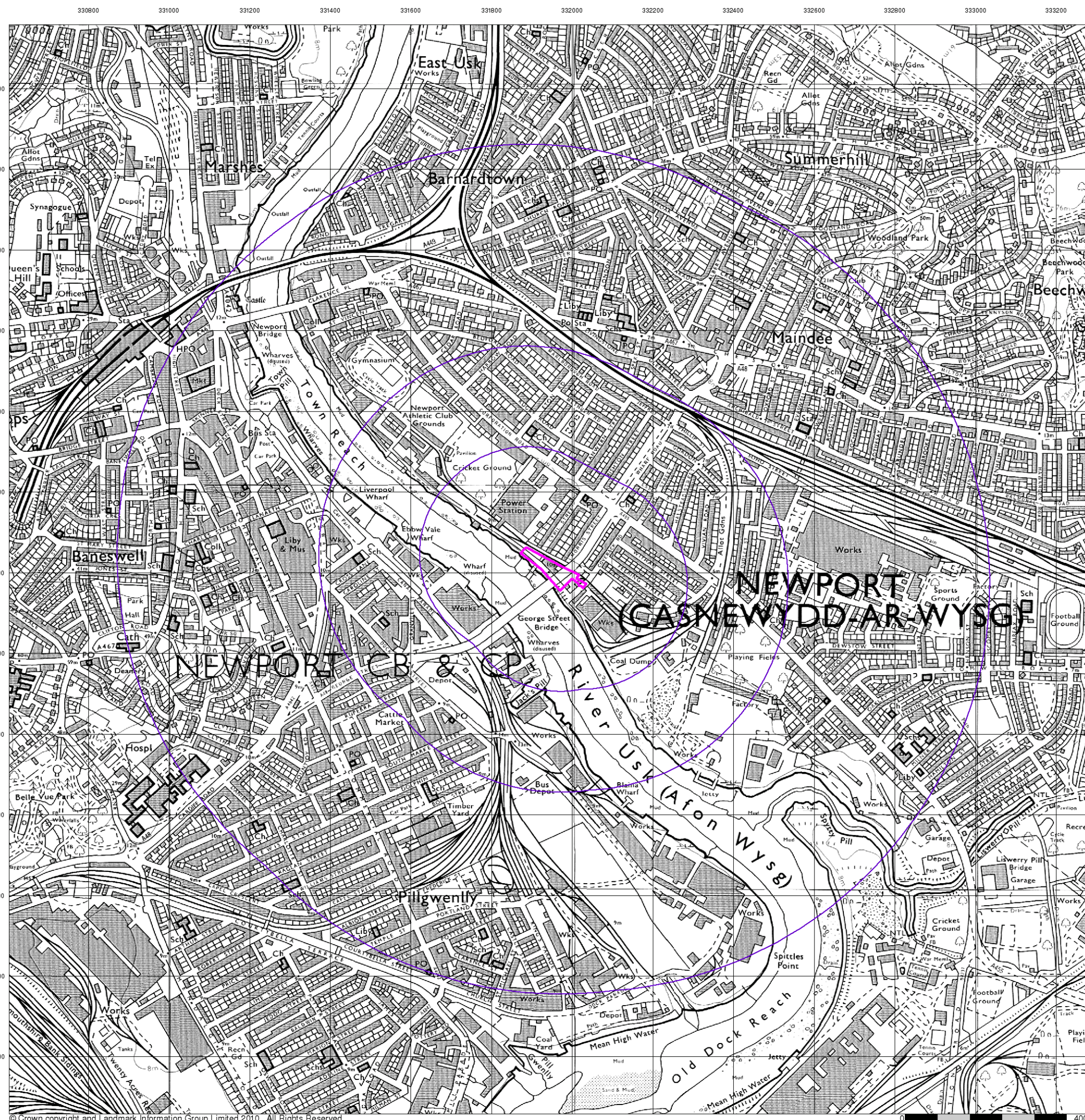
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Customer Ref: 10454
National Grid Reference: 331950, 187810
Slice: A
Site Area (Ha): 0.52
Search Buffer (m): 1000

Site Details

Site at 331900, 187780



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





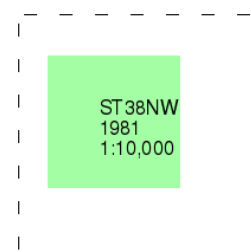
Ordnance Survey Plan

Published 1981

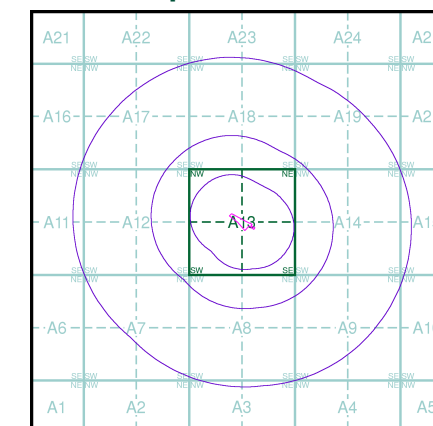
Source map scale - 1:10,000

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

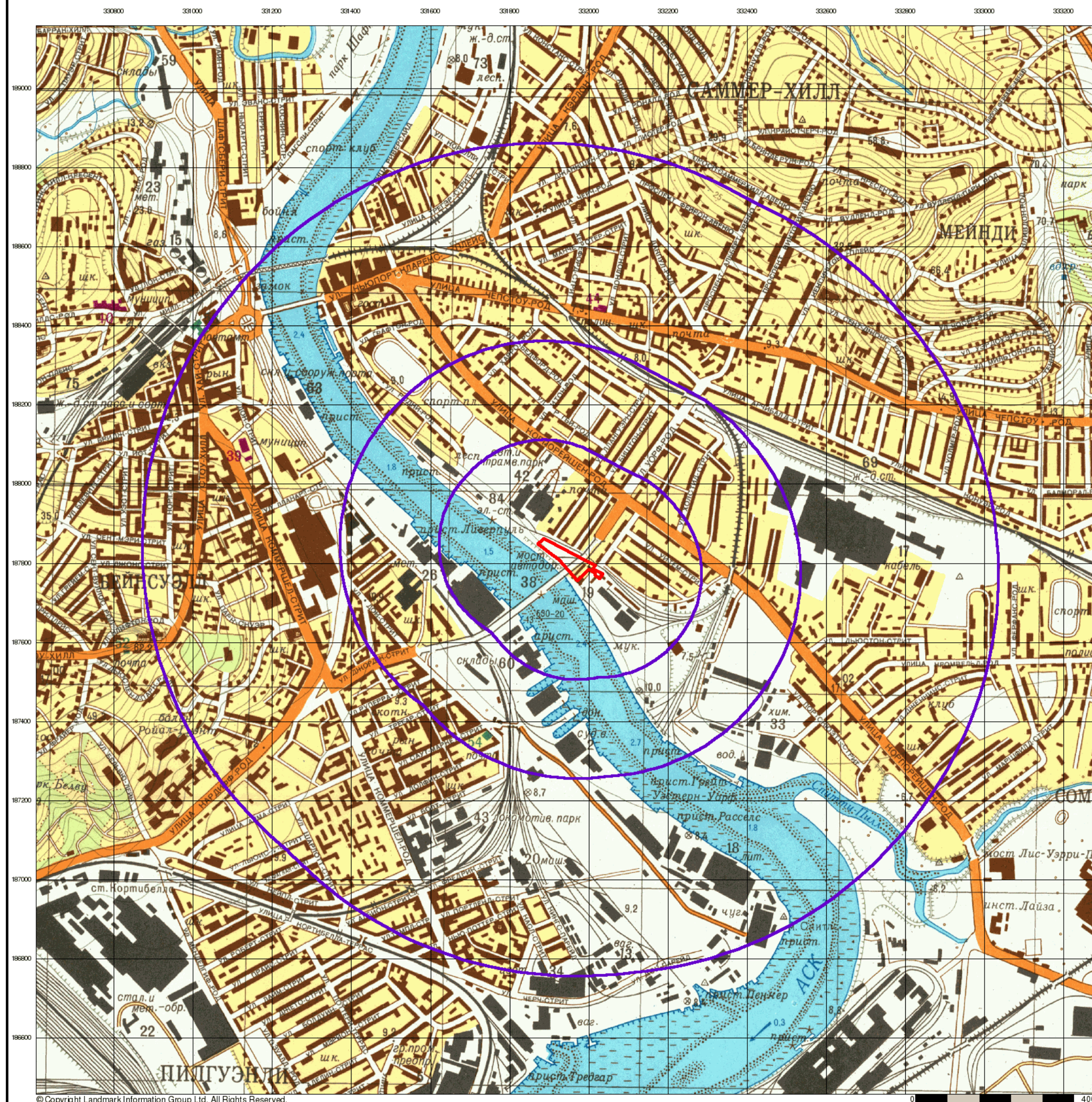
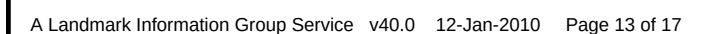
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Customer Ref: 10454
National Grid Reference: 331950, 187810
Slice: A
Site Area (Ha): 0.52
Search Buffer (m): 1000

Site Details

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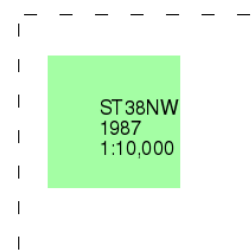
Ordnance Survey Plan

Published 1987

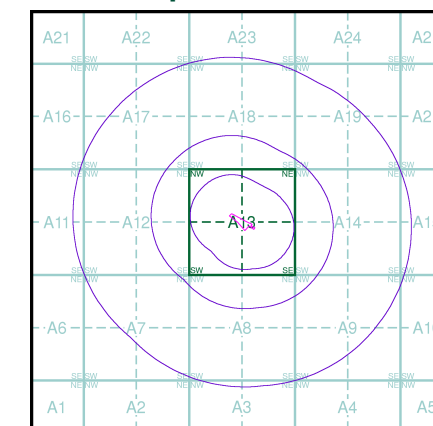
Source map scale - 1:10,000

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

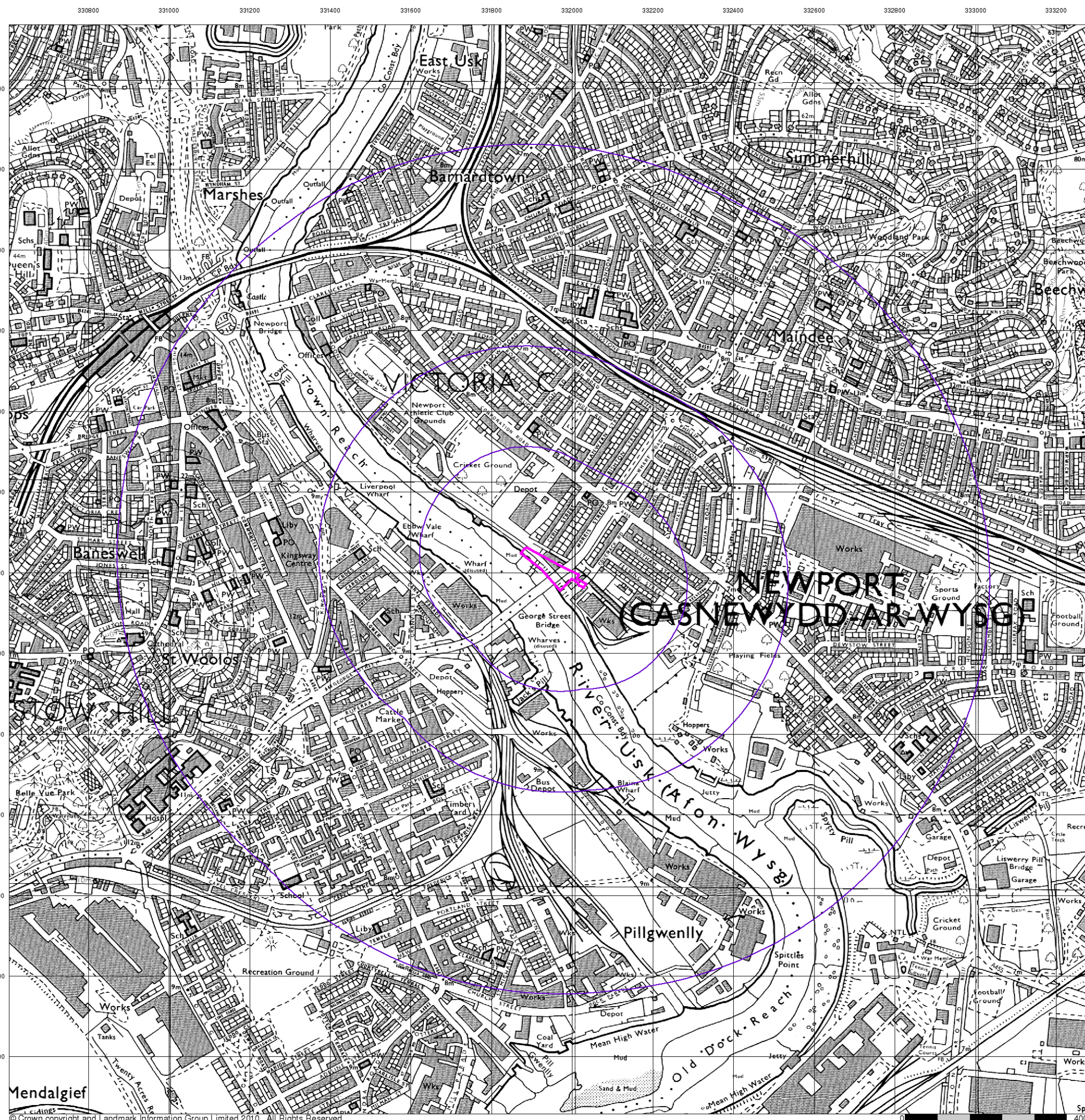
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Customer Ref: 10454
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Slice: A
Site Area (Ha): 0.52
Search Buffer (m): 1000

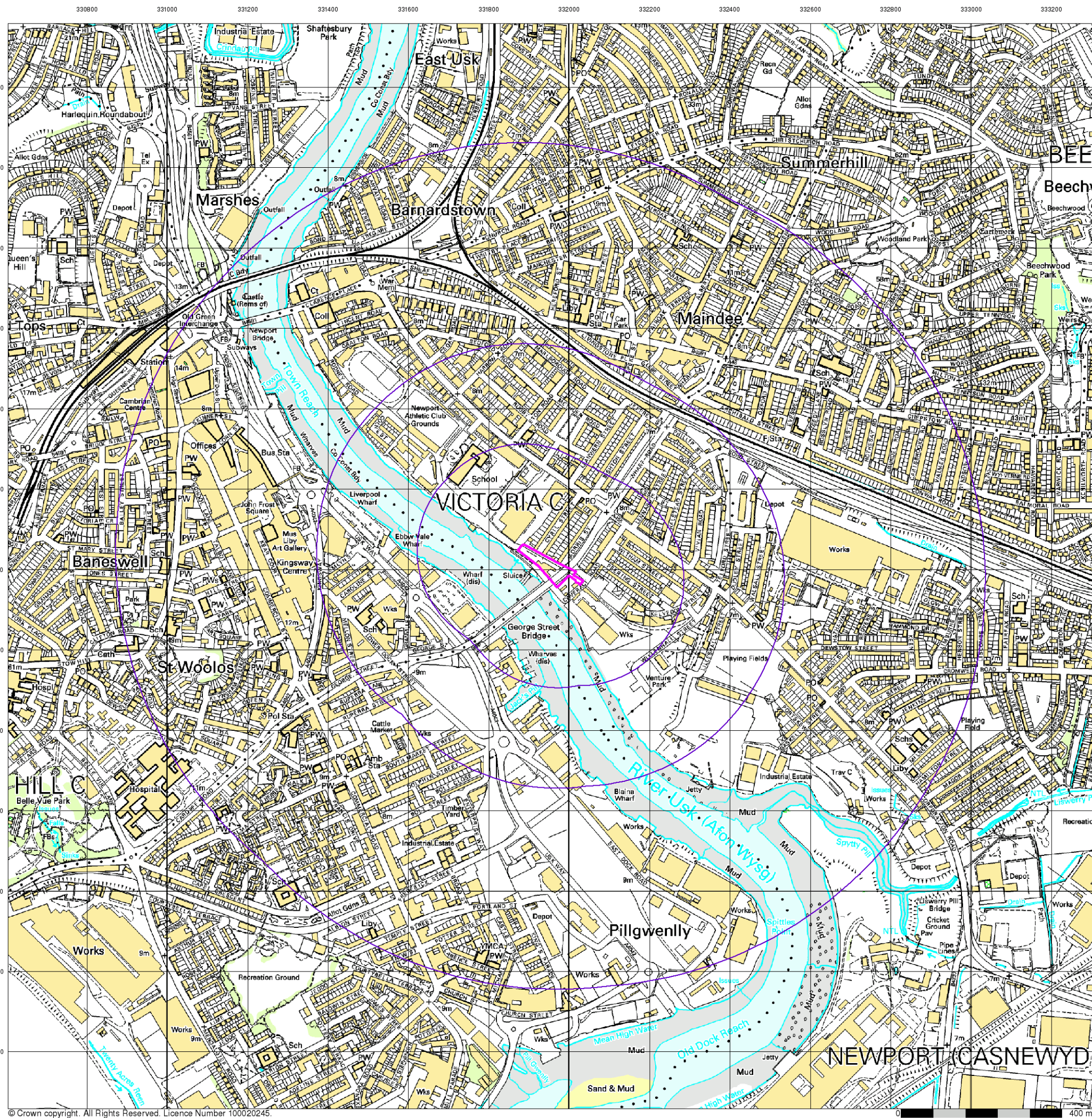
Site Details

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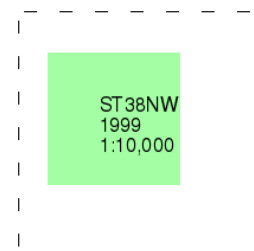
10k Raster Mapping

Published 1999

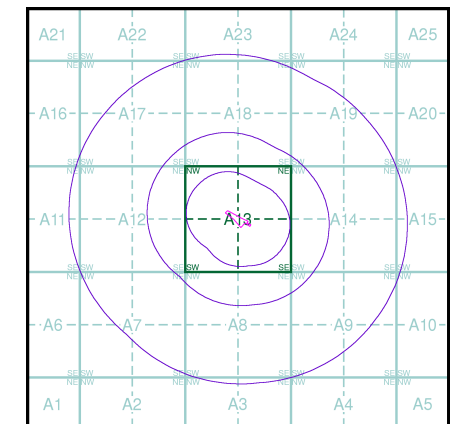
Source map scale - 1:10,000

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

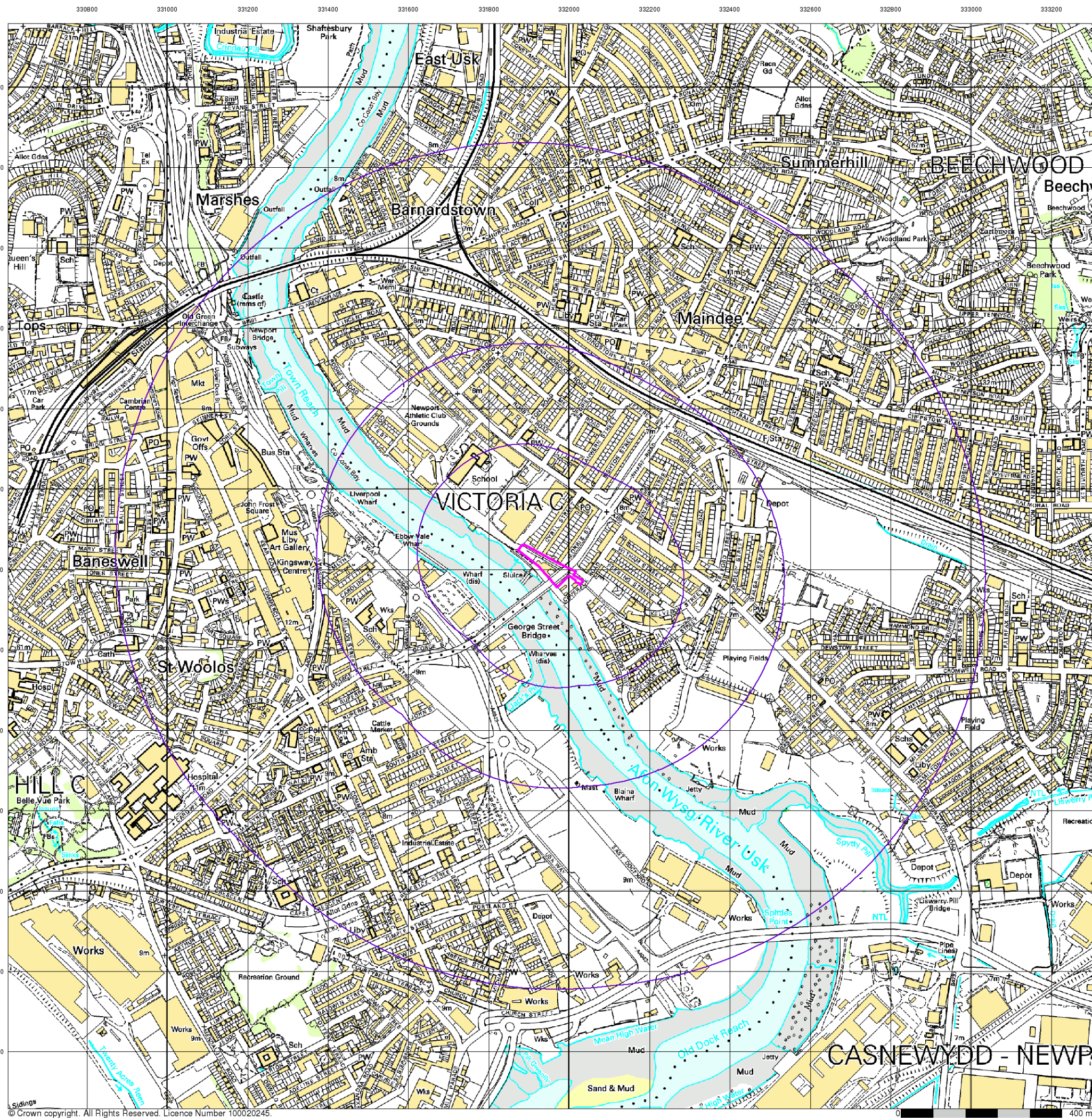
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Customer Ref: 10454
National Grid Reference: 331950, 187810
Slice: A
Site Area (Ha): 0.52
Search Buffer (m): 1000

Site Details

Site at 331900, 187780



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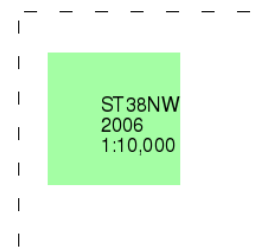
10k Raster Mapping

Published 2006

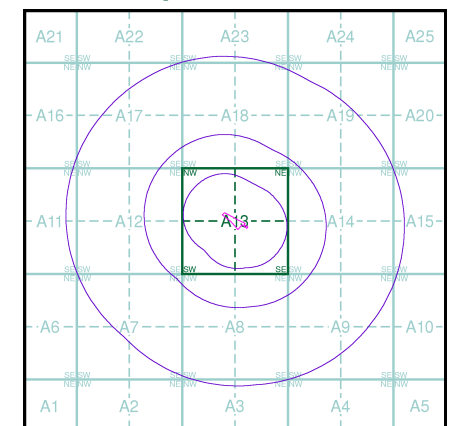
Source map scale - 1:10,000

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

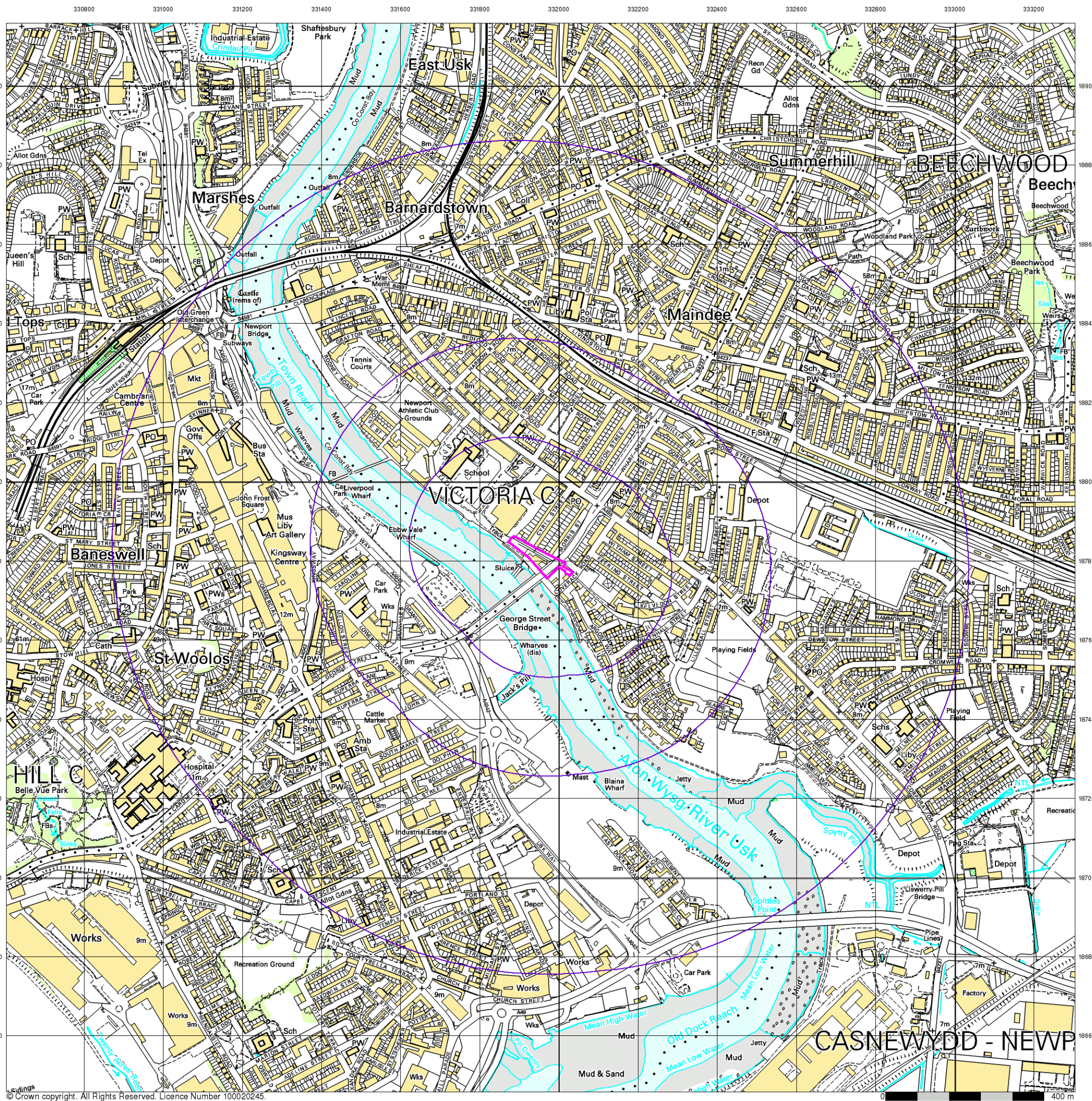
Order Number: 29863233_1_1
Customer Ref: 10454
National Grid Reference: 331950, 187810
Slice: A
Site Area (Ha): 0.52
Search Buffer (m): 1000

Site Details

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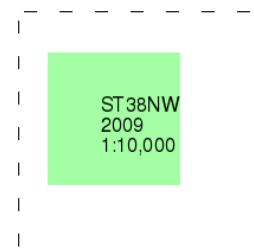
10k Raster Mapping

Published 2009

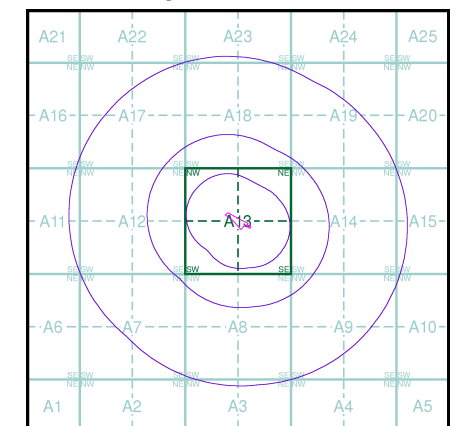
Source map scale - 1:10,000

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: 29863233_1_1
Customer Ref: 10454
National Grid Reference: 331950, 187810
Slice: A
Site Area (Ha): 0.52
Search Buffer (m): 1000

Site Details

Site at 331900, 187780



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ANNEX B
Historical Data Report

Envirocheck[®] Report:

Historical Data Report Datasheet

Order Details:

Order Number:

29936168_1_1

Customer Reference:

10964

National Grid Reference:

331950, 187810

Slice:

A

Site Area (Ha):

0.52

Search Buffer (m):

1000

Site Details:

Site at 331900, 187780

Client Details:

Ms R Liley
Terra Firma (Wales) Ltd
5 Deryn Court
Warfdale Road
Pentwyn
Cardiff
CF23 7HB

Report Section	Page Number
Summary	-
Historical Building Plans Information	-
Historical Land Use Information	1
Historical Tanks and Energy Facilities	7
Historical Map List	8
Useful Contacts and Further Information	10

Introduction

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

In the attached datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v47.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Historical Building Plans Information					
Areas Cleared Due To Enemy Action					
Above Ground Fuel Tanks (100m)				n/a	n/a
Asbestos (100m)				n/a	n/a
Benzene/Benzole/Naphtha, Naphthalene/Kerosene (100m)				n/a	n/a
Electricity Generation (100m)				n/a	n/a
Electricity Sub-Station (100m)				n/a	n/a
Gas Industry (100m)				n/a	n/a
Gas Storage (100m)				n/a	n/a
Gas Use (100m)				n/a	n/a
Oil Industry (100m)				n/a	n/a
Oil Storage (100m)				n/a	n/a
Oil Use (100m)				n/a	n/a
Paint based Oils (100m)				n/a	n/a
Paraffin (100m)				n/a	n/a
Petrol and Diesel Industry (100m)				n/a	n/a
Petrol and Diesel Storage (100m)				n/a	n/a
Petrol and Diesel Use (100m)				n/a	n/a
Potential Fuel Gas (100m)				n/a	n/a
Potential Fuel Oil (100m)				n/a	n/a
Potential Fuel Use (100m)				n/a	n/a
Potential Petrol and Diesel (100m)				n/a	n/a
Potential Tanks (100m)				n/a	n/a
Potentially Fuel-related Tanks (100m)				n/a	n/a
Underground Fuel Tanks (100m)				n/a	n/a
Historical Land Use Information					
Former Marshes					
Historical Flood Liabilities					
Potentially Contaminative Industrial Uses (Past Land Use)	pg 1	4	13	28	33
Potentially Infilled Land (Non-Water)	pg 4		1	1	3
Potentially Infilled Land (Water)	pg 4	2	10	10	11

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Historical Tanks and Energy Facilities					
Electrical Sub Station Facilities (100m)	pg 7		4	n/a	n/a
Electricity Industry Facilities (100m)	pg 7	2		n/a	n/a
Gas Industry Facilities (100m)				n/a	n/a
Gas Monitoring Facilities (100m)				n/a	n/a
Miscellaneous Power Facilities (100m)				n/a	n/a
Oil Industry Facilities (100m)				n/a	n/a
Petroleum Storage Facilities (100m)				n/a	n/a
Potential Tanks (100m)	pg 7		1	n/a	n/a
Tanks (100m)	pg 7		9	n/a	n/a

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Potentially Contaminative Industrial Uses (Past Land Use) Use: Road haulage Date of Mapping: 1922 - 1994	A13NW (NW)	0	1	331903 187857
2	Potentially Contaminative Industrial Uses (Past Land Use) Use: Railways Date of Mapping: 1902 - 1954	A13NW (N)	0	1	331953 187826
3	Potentially Contaminative Industrial Uses (Past Land Use) Use: Railways Date of Mapping: 1902 - 1965	A13NW (N)	0	1	331946 187827
4	Potentially Contaminative Industrial Uses (Past Land Use) Use: Railways Date of Mapping: 1922 - 1965	A13NE (NE)	0	1	331959 187820
5	Potentially Contaminative Industrial Uses (Past Land Use) Use: Heap, unknown constituents Date of Mapping: 1902	A13NW (NW)	3	1	331902 187863
6	Potentially Contaminative Industrial Uses (Past Land Use) Use: Factory or works - use not specified Date of Mapping: 1922 - 1994	A13SE (SE)	32	1	332022 187721
7	Potentially Contaminative Industrial Uses (Past Land Use) Use: Electricity production & distribution [inc large transformers] Date of Mapping: 1922 - 1954	A13NW (NW)	59	1	331834 187894
8	Potentially Contaminative Industrial Uses (Past Land Use) Use: Railways Date of Mapping: 1922 - 1965	A13SE (SE)	60	1	332001 187704
9	Potentially Contaminative Industrial Uses (Past Land Use) Use: Railways Date of Mapping: 1965	A13NW (NW)	120	1	331788 187932
10	Potentially Contaminative Industrial Uses (Past Land Use) Use: Railways Date of Mapping: 1887 - 1965	A13SE (SE)	129	1	332133 187686
11	Potentially Contaminative Industrial Uses (Past Land Use) Use: Railways Date of Mapping: 1886 - 1965	A13SE (SE)	144	1	332132 187663
12	Potentially Contaminative Industrial Uses (Past Land Use) Use: Transport support & cargo handling Date of Mapping: 1886 - 1987	A13SW (SW)	152	1	331829 187679
13	Potentially Contaminative Industrial Uses (Past Land Use) Use: Factory or works - use not specified Date of Mapping: 1994	A13SW (SW)	168	1	331801 187676
14	Potentially Contaminative Industrial Uses (Past Land Use) Use: Oil, petroleum & gas refining & storage Date of Mapping: 1902 - 1922	A13NW (NW)	170	1	331744 187960
15	Potentially Contaminative Industrial Uses (Past Land Use) Use: Factory or works - use not specified Date of Mapping: 1987	A13SW (W)	190	1	331691 187795
16	Potentially Contaminative Industrial Uses (Past Land Use) Use: Clay bricks & tiles [manufacture] Date of Mapping: 1949	A13NW (NW)	192	1	331712 187952
17	Potentially Contaminative Industrial Uses (Past Land Use) Use: Transport support & cargo handling Date of Mapping: 1887 - 1965	A13SW (S)	235	1	331915 187527
18	Potentially Contaminative Industrial Uses (Past Land Use) Use: Sawmilling, planing & impregnation [i.e. treatment of timber] Date of Mapping: 1902 - 1948	A13NW (NW)	260	1	331681 188023
19	Potentially Contaminative Industrial Uses (Past Land Use) Use: Railways Date of Mapping: 1886 - 1965	A13SW (SW)	263	1	331715 187629
20	Potentially Contaminative Industrial Uses (Past Land Use) Use: Transport support & cargo handling Date of Mapping: 1887	A12SE (W)	291	1	331610 187723
21	Potentially Contaminative Industrial Uses (Past Land Use) Use: Railways Date of Mapping: 1887 - 1965	A13SW (SW)	291	1	331759 187557

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	Potentially Contaminative Industrial Uses (Past Land Use) Use: Metal casting/foundries Date of Mapping: 1922 - 1948	A12SE (W)	300	1	331598 187729
23	Potentially Contaminative Industrial Uses (Past Land Use) Use: Railways Date of Mapping: 1886 - 1965	A14SW (E)	306	1	332330 187687
24	Potentially Contaminative Industrial Uses (Past Land Use) Use: Chemical manufacturing general Date of Mapping: 1902 - 1922	A13SE (SE)	349	1	332288 187529
25	Potentially Contaminative Industrial Uses (Past Land Use) Use: Factory or works - use not specified Date of Mapping: 1938 - 1965	A14SW (SE)	356	1	332304 187537
26	Potentially Contaminative Industrial Uses (Past Land Use) Use: Sawmilling, planing & impregnation [i.e. treatment of timber] Date of Mapping: 1887	A8NE (S)	362	1	332006 187396
27	Potentially Contaminative Industrial Uses (Past Land Use) Use: Road haulage Date of Mapping: 1994	A14NW (E)	384	1	332393 187912
28	Potentially Contaminative Industrial Uses (Past Land Use) Use: Railways Date of Mapping: 1887 - 1922	A12SE (SW)	391	1	331607 187561
29	Potentially Contaminative Industrial Uses (Past Land Use) Use: Metal casting/foundries Date of Mapping: 1922 - 1948	A12NE (W)	396	1	331477 187848
30	Potentially Contaminative Industrial Uses (Past Land Use) Use: Transport manufacturing and repair Date of Mapping: 1902	A12NE (NW)	401	1	331564 188104
31	Potentially Contaminative Industrial Uses (Past Land Use) Use: Machinery: engines, building and general industrial [manufacture] Date of Mapping: 1886	A12NE (NW)	408	1	331573 188126
32	Potentially Contaminative Industrial Uses (Past Land Use) Use: Natural and man-made textile manufacture and products Date of Mapping: 1886	A18SW (NW)	413	1	331663 188208
33	Potentially Contaminative Industrial Uses (Past Land Use) Use: Coal storage and depot Date of Mapping: 1886	A13NE (NE)	425	1	332264 188139
34	Potentially Contaminative Industrial Uses (Past Land Use) Use: Railways Date of Mapping: 1965	A8NW (S)	428	1	331826 187353
35	Potentially Contaminative Industrial Uses (Past Land Use) Use: Clay bricks & tiles [manufacture] Date of Mapping: 1886	A14NW (NE)	434	1	332397 188012
36	Potentially Contaminative Industrial Uses (Past Land Use) Use: Road haulage Date of Mapping: 1887 - 1994	A8NE (S)	441	1	332035 187319
37	Potentially Contaminative Industrial Uses (Past Land Use) Use: Refuse disposal Date of Mapping: 1922	A14NW (NE)	447	1	332406 188022
38	Potentially Contaminative Industrial Uses (Past Land Use) Use: Factory or works - use not specified Date of Mapping: 1965 - 1994	A14SW (E)	453	1	332486 187722
39	Potentially Contaminative Industrial Uses (Past Land Use) Use: Railways Date of Mapping: 1886 - 1994	A18SE (NE)	466	1	332214 188217
40	Potentially Contaminative Industrial Uses (Past Land Use) Use: Railways Date of Mapping: 1886 - 1987	A18SE (NE)	468	1	332204 188223
41	Potentially Contaminative Industrial Uses (Past Land Use) Use: Railways Date of Mapping: 1922 - 1994	A14NW (NE)	469	1	332328 188143
42	Potentially Contaminative Industrial Uses (Past Land Use) Use: Tableware & other ceramics [manufacture] Date of Mapping: 1886 - 1922	A14NW (E)	480	1	332463 187989

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	Potentially Contaminative Industrial Uses (Past Land Use) Use: Railways Date of Mapping: 1886 - 1922	A12SE (W)	486	1	331390 187773
44	Potentially Contaminative Industrial Uses (Past Land Use) Use: Factory or works - use not specified Date of Mapping: 1965	A17SE (NW)	493	1	331526 188199
45	Potentially Contaminative Industrial Uses (Past Land Use) Use: Transport manufacturing and repair Date of Mapping: 1922 - 1954	A8NW (S)	497	1	331817 187283
46	Potentially Contaminative Industrial Uses (Past Land Use) Use: Laundries & dry cleaning Date of Mapping: 1902	A14SW (E)	546	1	332564 187636
47	Potentially Contaminative Industrial Uses (Past Land Use) Use: Road haulage Date of Mapping: 1965 - 1987	A12NE (W)	590	1	331311 188030
48	Potentially Contaminative Industrial Uses (Past Land Use) Use: Sawmilling, planing & impregnation [i.e. treatment of timber] Date of Mapping: 1994	A8NW (S)	617	1	331714 187195
49	Potentially Contaminative Industrial Uses (Past Land Use) Use: Clay bricks & tiles [manufacture] Date of Mapping: 1886	A18NE (N)	638	1	331964 188495
50	Potentially Contaminative Industrial Uses (Past Land Use) Use: Sawmilling, planing & impregnation [i.e. treatment of timber] Date of Mapping: 1886	A12NW (W)	639	1	331278 188082
51	Potentially Contaminative Industrial Uses (Past Land Use) Use: Railways Date of Mapping: 1886 - 1994	A18NW (N)	643	1	331814 188500
52	Potentially Contaminative Industrial Uses (Past Land Use) Use: Railways Date of Mapping: 1902 - 1994	A18NW (N)	657	1	331800 188512
53	Potentially Contaminative Industrial Uses (Past Land Use) Use: Railways Date of Mapping: 1886	A12NW (NW)	709	1	331230 188146
54	Potentially Contaminative Industrial Uses (Past Land Use) Use: Factory or works - use not specified Date of Mapping: 1922	A8SW (S)	745	1	331832 187024
54	Potentially Contaminative Industrial Uses (Past Land Use) Use: Metal casting/foundries Date of Mapping: 1887	A8SW (S)	747	1	331855 187018
55	Potentially Contaminative Industrial Uses (Past Land Use) Use: Transport manufacturing and repair Date of Mapping: 1902	A17NE (NW)	763	1	331511 188525
56	Potentially Contaminative Industrial Uses (Past Land Use) Use: Metal casting/foundries Date of Mapping: 1887	A8SE (S)	771	1	332202 187011
57	Potentially Contaminative Industrial Uses (Past Land Use) Use: Sawmilling, planing & impregnation [i.e. treatment of timber] Date of Mapping: 1886	A17NE (NW)	786	1	331413 188488
58	Potentially Contaminative Industrial Uses (Past Land Use) Use: Sawmilling, planing & impregnation [i.e. treatment of timber] Date of Mapping: 1886 - 1948	A17SW (NW)	804	1	331200 188288
59	Potentially Contaminative Industrial Uses (Past Land Use) Use: Railways Date of Mapping: 1887 - 1965	A8SW (S)	815	1	331632 187015
60	Potentially Contaminative Industrial Uses (Past Land Use) Use: Railways Date of Mapping: 1886 - 1994	A17NE (NW)	828	1	331586 188633
61	Potentially Contaminative Industrial Uses (Past Land Use) Use: Sawmilling, planing & impregnation [i.e. treatment of timber] Date of Mapping: 1886	A17NE (NW)	853	1	331488 188615
62	Potentially Contaminative Industrial Uses (Past Land Use) Use: Clay bricks & tiles [manufacture] Date of Mapping: 1886 - 1902	A18NW (N)	865	1	331620 188683

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	Potentially Contaminative Industrial Uses (Past Land Use) Use: Transport manufacturing and repair Date of Mapping: 1922 - 1954	A8SE (S)	880	1	331955 186876
64	Potentially Contaminative Industrial Uses (Past Land Use) Use: Hospitals Date of Mapping: 1902 - 1994	A7NW (SW)	884	1	331166 187316
65	Potentially Contaminative Industrial Uses (Past Land Use) Use: Metal casting/foundries Date of Mapping: 1887 - 1938	A9SW (SE)	899	1	332395 186941
66	Potentially Contaminative Industrial Uses (Past Land Use) Use: Cemetery or Graveyard Date of Mapping: 1887	A12SW (W)	908	1	330970 187753
67	Potentially Contaminative Industrial Uses (Past Land Use) Use: Metal casting/foundries Date of Mapping: 1922 - 1954	A8SW (S)	917	1	331863 186846
68	Potentially Contaminative Industrial Uses (Past Land Use) Use: Factory or works - use not specified Date of Mapping: 1994	A8SW (S)	926	1	331861 186837
69	Potentially Contaminative Industrial Uses (Past Land Use) Use: Railways Date of Mapping: 1887 - 1922	A7NW (SW)	941	1	331143 187254
70	Potentially Contaminative Industrial Uses (Past Land Use) Use: Railways Date of Mapping: 1886 - 1965	A17SW (NW)	946	1	331108 188404
71	Potentially Contaminative Industrial Uses (Past Land Use) Use: Sawmilling, planing & impregnation [i.e. treatment of timber] Date of Mapping: 1902 - 1922	A18NW (N)	960	1	331686 188800
72	Potentially Contaminative Industrial Uses (Past Land Use) Use: Outfalls Date of Mapping: 1965 - 1994	A17NW (NW)	979	1	331196 188555
73	Potentially Contaminative Industrial Uses (Past Land Use) Use: Railways Date of Mapping: 1902 - 1948	A17SW (NW)	984	1	330967 188233
74	Potentially Contaminative Industrial Uses (Past Land Use) Use: Animal slaughtering & basic processing of meat [other than poultry] Date of Mapping: 1965	A17NW (NW)	990	1	331160 188535
75	Potentially Contaminative Industrial Uses (Past Land Use) Use: Metal casting/foundries Date of Mapping: 1922 - 1954	A3NE (S)	993	1	332013 186764
76	Potentially Contaminative Industrial Uses (Past Land Use) Use: Clay bricks & tiles [manufacture] Date of Mapping: 1902	A9NE (SE)	993	1	332838 187188
77	Potentially Contaminative Industrial Uses (Past Land Use) Use: Brewing & malting Date of Mapping: 1886	A23SE (N)	995	1	331966 188853
78	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1994	A13NW (NW)	192	1	331712 187952
79	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1994	A14NW (NE)	434	1	332397 188012
80	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1994	A18NE (N)	638	1	331964 188495
81	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1994	A18NW (N)	865	1	331620 188683
82	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1994	A9NE (SE)	993	1	332838 187188
83	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1886	A13NE (N)	0	1	331958 187821

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
84	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1886	A13NW (NW)	0	1	331945 187825
85	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1886	A13SE (E)	31	1	332064 187785
86	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1902	A13SE (SE)	117	1	332143 187726
87	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1886	A13NE (NE)	136	1	332099 187900
88	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1886	A13NW (NW)	154	1	331821 188001
89	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1886	A13NE (E)	160	1	332178 187845
90	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1886	A13NE (NE)	191	1	332089 187976
91	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1902	A13SE (E)	210	1	332244 187798
92	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1886	A13SE (E)	217	1	332252 187794
93	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1886	A13NW (N)	220	1	331882 188081
94	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1886	A13NW (N)	235	1	331853 188093
95	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1886	A13NW (NW)	268	1	331784 188109
96	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1886	A13NE (NE)	297	1	332163 188099
97	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1886	A18SW (N)	394	1	331810 188248
98	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1886	A18SW (NW)	400	1	331755 188238
99	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1886	A14SW (E)	410	1	332430 187659
100	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1902	A14NW (E)	412	1	332410 187944
101	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1886	A18SW (NW)	413	1	331682 188219
102	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1887	A14SW (E)	427	1	332462 187749
103	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1902	A14NW (E)	459	1	332469 187921
104	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1922	A14NW (E)	486	1	332504 187902

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
105	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1886	A18SW (N)	527	1	331748 188372
106	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1922	A14SW (E)	528	1	332560 187706
107	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1886	A18SE (N)	567	1	332070 188403
108	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1886	A18SE (N)	572	1	332023 188416
109	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1886	A18SW (N)	579	1	331827 188436
110	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1886	A18SE (N)	605	1	331992 188457
111	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1886	A19SW (NE)	685	1	332603 188155
112	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1902	A14NE (E)	754	1	332717 188095
113	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1886	A18NW (N)	804	1	331738 188651
114	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1886	A23SW (N)	991	1	331794 188847
115	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1902	A23SW (N)	991	1	331787 188846

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
116	Electrical Sub Station Facilities Scale of Mapping: 1:2,500 Date of Mapping: 1956	A13SE (E)	1	1	332020 187783
116	Electrical Sub Station Facilities Scale of Mapping: 1:1,250 Date of Mapping: 1956	A13SE (E)	1	1	332021 187782
117	Electrical Sub Station Facilities Scale of Mapping: 1:2,500 Date of Mapping: 1956	A13SE (SE)	82	1	332109 187735
117	Electrical Sub Station Facilities Scale of Mapping: 1:1,250 Date of Mapping: 1956	A13SE (SE)	83	1	332109 187733
118	Electricity Industry Facilities Scale of Mapping: 1:1,250 Date of Mapping: Not Present	A13SW (SW)	0	1	331946 187797
118	Electricity Industry Facilities Scale of Mapping: 1:1,250 Date of Mapping: 1956	A13SE (S)	0	1	331958 187794
119	Potential Tanks Scale of Mapping: 1:1,250 Date of Mapping: 1956	A13NW (N)	100	1	331919 187956
120	Tanks Scale of Mapping: 1:1,250 Date of Mapping: Not Present	A13NW (NW)	16	1	331894 187876
120	Tanks Scale of Mapping: 1:2,500 Date of Mapping: Not Present	A13NW (NW)	16	1	331894 187876
120	Tanks Scale of Mapping: 1:1,250 Date of Mapping: Not Present	A13NW (NW)	29	1	331894 187889
121	Tanks Scale of Mapping: 1:2,500 Date of Mapping: Not Present	A13SE (SE)	31	1	332037 187732
121	Tanks Scale of Mapping: 1:1,250 Date of Mapping: Not Present	A13SE (SE)	32	1	332036 187731
122	Tanks Scale of Mapping: 1:1,250 Date of Mapping: 1956	A13NW (N)	79	1	331931 187927
122	Tanks Scale of Mapping: 1:2,500 Date of Mapping: 1956	A13NW (N)	79	1	331931 187927
123	Tanks Scale of Mapping: 1:2,500 Date of Mapping: 1956	A13SE (E)	84	1	332116 187748
123	Tanks Scale of Mapping: 1:1,250 Date of Mapping: 1956	A13SE (E)	85	1	332117 187747

No Historical Building Plans information available.

The following mapping has been analysed for Historical Land Use Information:

1:10,560	Mapsheets	Published Date
Monmouthshire	028_00	1886
Monmouthshire	029_00	1886
Monmouthshire	033_00	1887
Monmouthshire	034_00	1887
Monmouthshire	028_SE	1902
Monmouthshire	029_SW	1902
Monmouthshire	033_NE	1902
Monmouthshire	034_NW	1902
Monmouthshire	028_SE	1922
Monmouthshire	029_SW	1922
Monmouthshire	033_NE	1922
Monmouthshire	034_NW	1922
Monmouthshire	034_NW	1938
Monmouthshire	028_SE	1954
Monmouthshire	029_SW	1954
Monmouthshire	033_NE	1954
Ordnance Survey Plan	ST38NW	1965
1:10,000	Mapsheets	Published Date
Ordnance Survey Plan	ST38NW	1994

The following mapping has been analysed for Historical Tanks and Energy Facilities:

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	ST3187	1956
Ordnance Survey Plan	ST3188	1956
Ordnance Survey Plan	ST3287	1956
Ordnance Survey Plan	ST3288	1956
Ordnance Survey Plan	ST3187	1970
Ordnance Survey Plan	ST3188	1970
Ordnance Survey Plan	ST3287	1970
Ordnance Survey Plan	ST3288	1970
1:1,250	Mapsheet	Published Date
Ordnance Survey Plan	ST3188SE	1955
Ordnance Survey Plan	ST3187NE	1956
Ordnance Survey Plan	ST3187SE	1956
Ordnance Survey Plan	ST3287NW	1956
Ordnance Survey Plan	ST3287SW	1956
Ordnance Survey Plan	ST3288SW	1956
Ordnance Survey Plan	ST3187NE	1965
Ordnance Survey Plan	ST3287SW	1966
Ordnance Survey Plan	ST3187SE	1967
Ordnance Survey Plan	ST3287NW	1968
Ordnance Survey Plan	ST3288SW	1968
Ordnance Survey Plan	ST3187NE	1974
Ordnance Survey Plan	ST3188SE	1974

Contact	Name and Address	Contact Details
1	Landmark Information Group Limited 5 - 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Telephone: 01392 441761 Fax: 01392 441709 Email: cssupport@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Historical Building Plans Information

This data set contains potentially contaminative features such as asbestos, petrol, oil and tanks captured from Historical Building Plans. The Historical Building Plans were produced by the London-based firm Charles E. Goad Ltd. as fire insurance plans, dating back to 1885. The firm ceased production of fire insurance plans in 1970. Most of the important towns and cities of the British Isles are covered. Historical Building Plans are usually at the scales of 1:480 (1 inch to 40 feet) for the British Isles. They were updated every 5-6 years by means of revision sheets designed to be pasted on to the original plans.

It should be noted that Historical Building Plans are only available for certain major towns and cities and in some cases there may only be partial coverage of the search area. It cannot therefore be assumed that the absence of responses under the Historical Building Plans section of this report indicates that no hazards exist. Please check the Historical Building Plans Map List table in the Historical Map List section of this report to establish if Historical Building Plans are available for this search area.

Historical Land Use Information

Landmark's Historical Land Use Data is the result of combined analysis of historical map data captured at 1:10,560 and 1:10,000. A unique comprehensive database of Historic Land Use from the 1840's to 1996 it includes 67 different types of potentially contaminated past industrial land use. This entailed analysing over 60,000 maps and is drawn from at least four, and up to six historical map editions. In addition a seventh layer was also created, known as the land use layer, containing areas of infilled land which are plotted via comparison between two or more map editions.

Historical Tanks and Energy Facilities

In addition to HLU, additional analysis uncovered some of the most dangerous sources of contamination (past and present tanks, petrol storage, oil, gas, electricity, miscellaneous facilities). This data set covers over 390,000 Historical Tanks and Energy facilities in Great Britain and was captured from post war 1:2500 and 1:1250 Ordnance Survey historical mapping covering a period from 1943 to 1996.

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

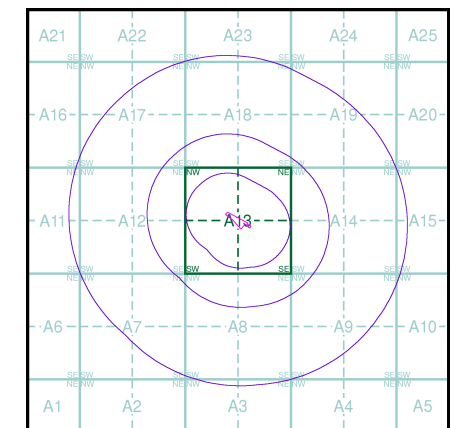
Historical Building Plans

- Area Cleared due to Enemy Action

Historical Land Use

- Former Marsh
- Historical Flood Liability
- Historical Flood Liability (Location)
- Potentially Contaminative Industrial Use (Past Land Use)
- Potentially Contaminative Industrial Use (Past Land Use) (Linear)
- Potentially Contaminative Industrial Use (Past Land Use) (Location)
- Potentially Infilled Land (Non-Water)
- Potentially Infilled Land (Non-Water) (Linear)
- Potentially Infilled Land (Non-Water) (Location)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water) (Linear)
- Potentially Infilled Land (Water) (Location)

Historical Data Report - Slice Map A

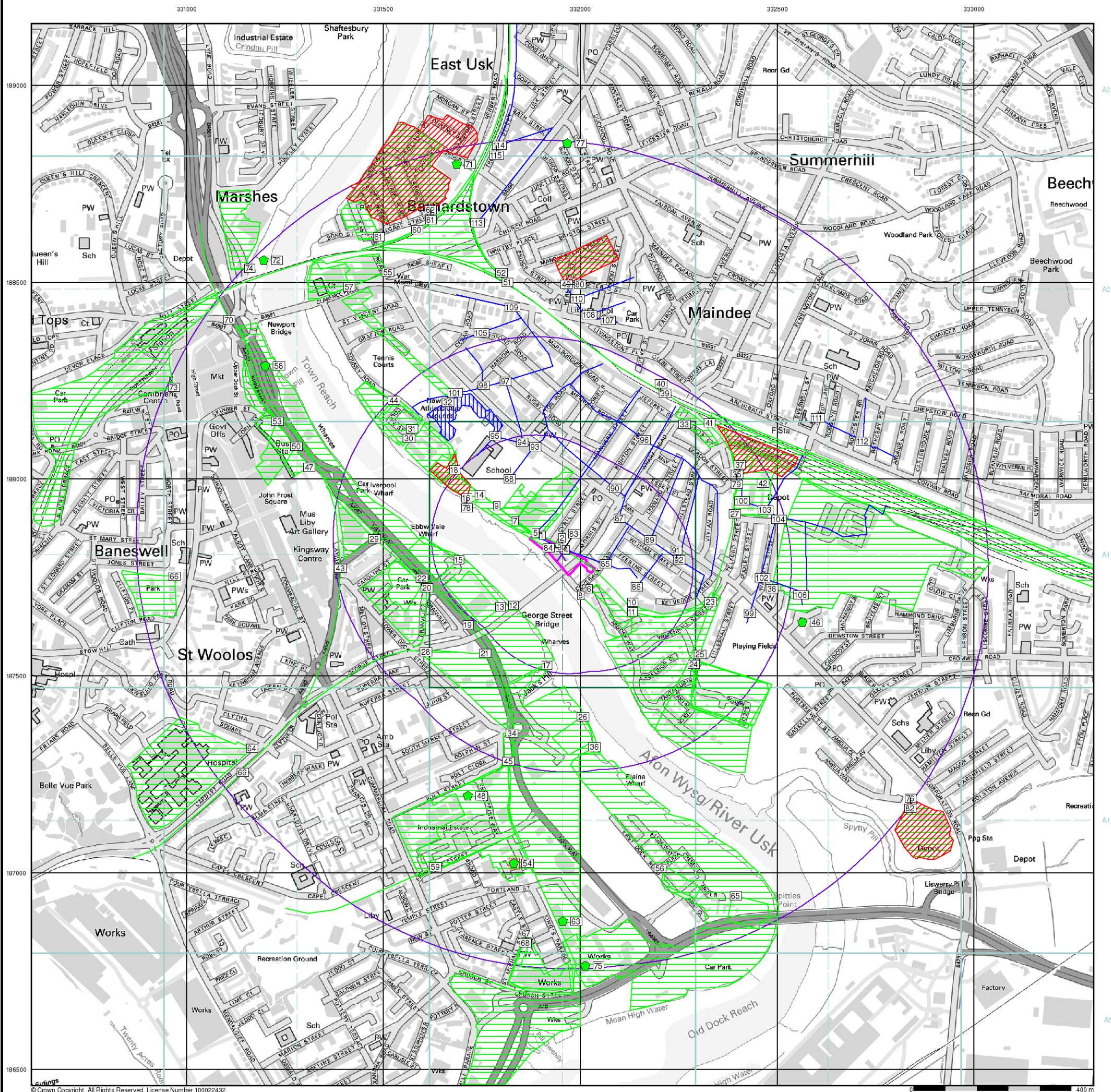


Order Details

Order Number: 29936168_1_1
 Customer Ref: 10964
 National Grid Reference: 331950, 187810
 Slice: A
 Site Area (Ha): 0.52
 Search Buffer (m): 1000

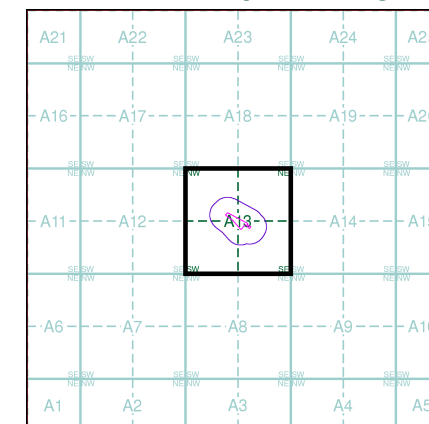
Site Details

Site at 331900, 187780





- ## Historical Data Report - Segment A13



Order Details

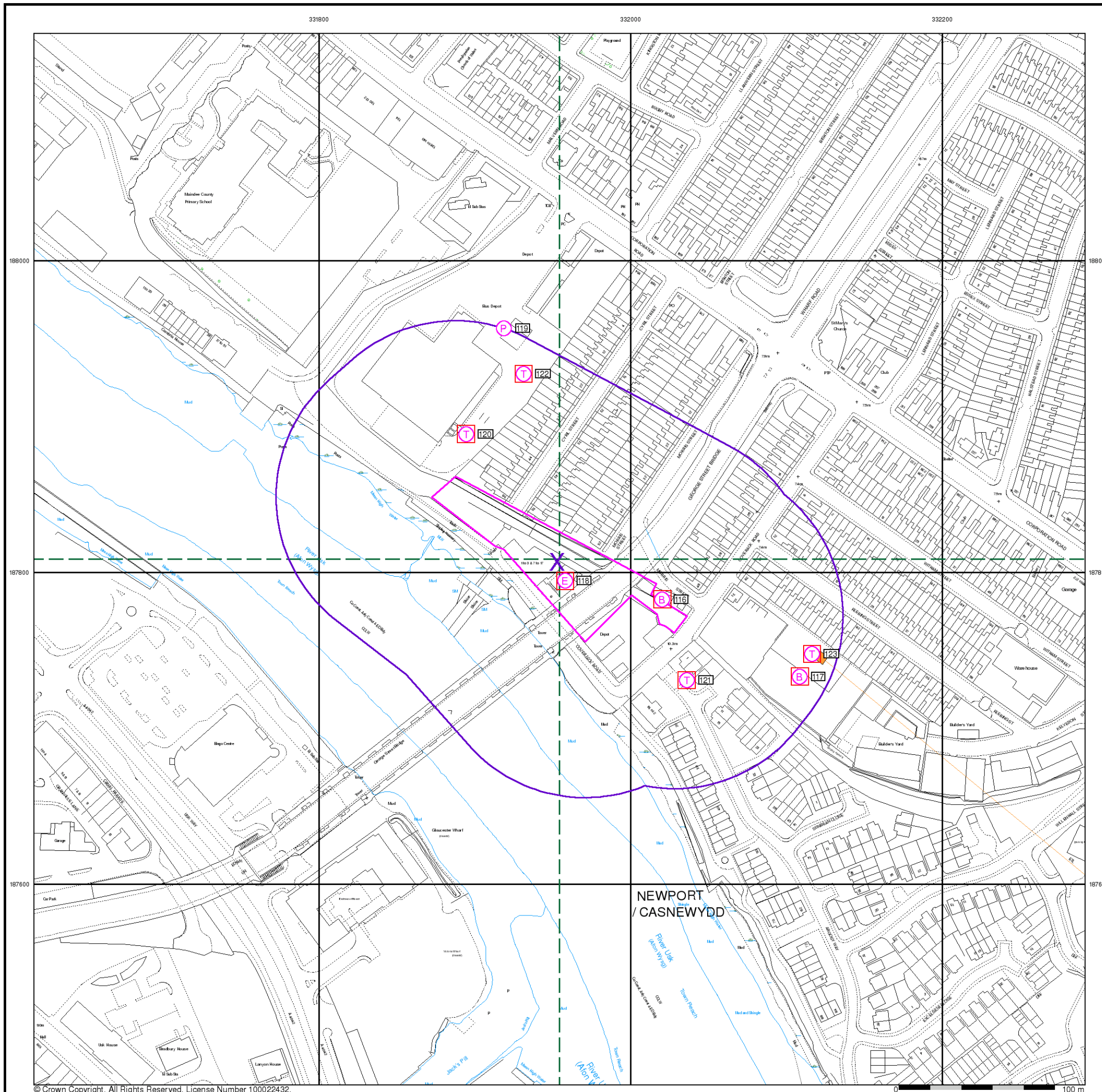
Order Number: 29936168_1_1
Customer Ref: 10964
National Grid Reference: 331950, 187810
Slice: A
Site Area (Ha): 0.52
Plot Buffer (m): 100

Site Details

Site at 331900, 187780



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



ANNEX C
Radon Report



BR211 Radon Report



Ruth Liley
Terra Firma (Wales) Ltd
5 Deryn Court
Wharfedale Road
Pentwyn
Cardiff
CF23 7HB

BR211 RADON REPORT

Advisory report on the requirement for radon protective measures in new
buildings and extensions

Client's Reference:

Date: 18 January 2010

BGS BR211 Radon Version 1.0

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Section 1: Location and extent of report area

Site Address:

Land adj to
George Street Bridge
Newport
South Wales

Area centred at: 331950,187810
Radius of site area: 100 metres



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Scale: 1:25000 (1cm = 250m)

KEY:   
POINT, RECTANGLE or CIRCLE defines report location or site area (details provided by client).

Date: 18 January 2010

BGS BR211 Radon Version 1.0

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Section 2: Requirement for radon protective measures

The determination below follows advice in *BR211 Radon: Guidance on protective measures for new buildings (2007 edition)*, which also provides guidance on what to do if the result indicates that protective measures are required.

NO RADON PROTECTIVE MEASURES ARE REQUIRED FOR THE REPORT AREA.

The BGS is not able to provide advice on the technical specifications of 'basic' and 'full' radon protective measures. This information is detailed in **BRE Report BR211: Radon: Protective measures for new buildings** which may be purchased from [brebookshop.com](http://www.brebookshop.com). BR211 offers guidance on the technical solutions that are required to satisfy Building Regulations requirements. Summary guidance is available on the web at: <http://www.bre.co.uk/radon/protect.html>.

If you require further information or guidance, you should contact your local authority building control officer or approved inspector.

Contact 020 7944 5758 or Email: partsac.br@communities.gsi.gov.uk for advice on the interpretation of guidance contained in BRE Report BR211 (2007).

Section 3: What is radon ?

Radon is a naturally occurring radioactive gas, which is produced by the radioactive decay of small quantities in all soils and rocks, although the amount varies from place to place. Radon released from rocks and soils is quickly diluted in the atmosphere. Concentrations in the open air are normally very low and do not present a hazard. Radon that enters enclosed spaces such as some buildings (particularly basements), caves, mines, and tunnels may reach high concentrations in some circumstances. The construction method and degree of ventilation will influence radon levels in individual buildings. A person's exposure to radon will also vary according to how particular buildings and spaces are used.

Inhalation of the radioactive decay products of radon gas increases the chance of developing lung cancer. If individuals are exposed to high concentrations for significant periods of time, there may be cause for concern. In order to limit the risk to individuals, the Government has adopted an Action Level for radon in homes of 200 becquerels per cubic metre (Bq m^{-3}). The Government advises householders that, where the radon level exceeds the Action Level, measures should be taken to reduce the concentration.

Section 4: Radon in workplaces

The Ionising Radiation Regulations, 1999, require employers to take action when radon is present above a defined level in the workplace. Advice may be obtained from your local Health and Safety Executive Area Office or the Environmental Health Department of your local authority. The BRE publishes a guide (BR293): **Radon in the workplace**.

BRE publications may be obtained from The BRE Bookshop, 1 H S Technical Indexes Ltd., Willoughby Road, Bracknell, Berkshire RG12 8DW. Tel: 01344 404407, Fax: 01344 714440, website: www.brebookshop.com

Section 5: Radon in existing buildings

Advice about radon, its health risks and details of how to order the radon test may be obtained from the HPA free radon answerphone 0800 614529, HPA Radon Helpline on 01235 822622, website: www.ukradon.org.uk or by writing to Radon Studies at the Health Protection Agency, address below.

Radon Studies, Radiation Protection Division, Health Protection Agency, Chilton, Didcot, Oxfordshire OX11 0RQ

Householders are recommended to follow the advice of the Health Protection Agency and test their home if it is shown to be in a radon Affected Area. In homes with high radon levels, the problem can usually be tackled with simple, effective and relatively inexpensive measures. These measures are comparable in cost to work such as damp-proofing and timber treatment. You can get practical advice about construction work to reduce radon levels from the Building Control Officer at your local council and from the website of the Building Research Establishment: www.BRE.co.uk.

Employers with premises in radon Affected Areas should also contact HPA or their Health & Safety Inspector for advice on limiting their employees' exposure to radon.

Section 6: Terms & Conditions

General

This report is supplied in accordance with the Georeports Terms & Conditions available on the BGS website at www.bgs.ac.uk/georeports and also available from the BGS Central Enquiries Desk at the below address.

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Email: enquiries@bgs.ac.uk

Date: 18 January 2010

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BR211 Radon Report

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ANNEX D
Risk Assessment Definitions

Risk Assessment Definitions

Environmental risk assessment evaluates the risk to receptors via an analysis of the 'source-pathway-receptor' linkage.

- (1) A **CONTAMINANT** (hazard) - a substance that is in, on or under the land and has the potential to cause harm or to cause pollution of controlled waters
- (2) A **RECEPTOR** (target) - something which could be adversely affected by a contaminant
- (3) A **PATHWAY** - a route or means which either allows the contaminant to cause significant harm to that receptor, or that there is a significant possibility of such harm being caused to the receptor, or that pollution of controlled waters is being or likely to be caused.

The term 'Risk' is widely used in different contexts and situations, but a prescriptive definition is given by the Guidelines for Environmental Risk Assessment and Management (DEFRA *et al*, 2000):

'Risk is a combination of the probability, or frequency, of occurrence of a defined hazard and the magnitude of the consequences of the occurrence'.

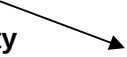
A 'Hazard' is defined as *'a property or situation that in particular circumstances could lead to harm'*.

The classification of consequences and probability and determining the risk category are defined in the following sections.

Table 1 Classification of Consequence	
Classification	Definition
Severe	• Short term (acute) risk to human health likely to result in significant harm • Short term risk to controlled waters • Catastrophic damage to buildings/structures • Short term risk to an ecosystem or organism within the particular ecosystem
Medium	• Chronic damage to human health (long term risk) • Pollution of a sensitive water resource • A significant change in an ecosystem or organism within the ecosystem
Mild	• Pollution of non-sensitive water resources • Significant damage to buildings/structures
Negligible	• Harm (not necessarily significant) which may result in financial loss • Non permanent health effects to humans (easily prevented by PPE for example) • Easily repairable effects of structural (building) damage

Table 2 Classification of Probability	
Classification	Definition
High	• There is a complete pollution linkage and an event appears very likely to occur in the short term and is inevitable in the long term. • Evidence of harm to the receptor
Medium	• There is a complete pollution linkage which means that it is probable that an event will occur • The event is not inevitable but possible in short term and likely in the long term
Low	• There is a complete pollution linkage and circumstances are possible under which an event could occur • It is not certain that an event will occur in the long term, and it is less likely to occur in the short term
Negligible	• There is a complete pollution linkage but circumstances are such that it is improbable that an event would occur even in the long term

By comparing the consequences of a risk and the probability of the risk of a pollution linkage, the likely risk category can be determined as shown in **Table 3** below.

Table 3 Risk Assessment Matrix					
Increasing acceptability 		Consequence			
		Severe	Medium	Mild	Negligible
Probability	High	High	High	Medium / Low	Near zero
	Medium	High	Medium	Low	Near zero
	Low	High / medium	Medium / Low	Low	Near zero
	Negligible	High / medium / Low	Medium / Low	Low	Near zero

High Risk

There is a high probability that severe harm could risk a receptor, or there is evidence that a receptor is being harmed. The risk if realised is likely to result in liability, and urgent investigation or remediation will be required.

Medium Risk

It is probable that harm will arise to a receptor. However it is relatively unlikely that such harm would be severe, or if harm does occur the harm is likely to be relatively mild. Investigation will be required to determine the liability, and some remedial works may be required in the long term.

Low Risk

It is possible that harm may arise to a receptor, but it is likely that the harm would be mild.

Near Zero Risk

There is a very low risk of harm to the receptor. In the event of harm being realised the harm is

ANNEX E
Windowless Sampling
Borehole Logs



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Borehole No.

WS1

Sheet 1 of 1

Project Name:	Coverack Road	Project No:	14614	Co-ords:		Hole Type	WLS
Location:	Coverack Road	Level:		Scale	1:50	Logged By	RH
Client:	Jehu Project Services	Dates:	22/05/2018 -				

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
	1.00	SPT	N=8 (2,2/2,2,2,2)	0.30 0.60 0.80				MADE GROUND: Grey SAND and fine to coarse angular GRAVEL and COBBLE of concrete and brick MADE GROUND: Dark brown grey ashy SAND and fine to coarse angular to sub-rounded GRAVEL of mudstone and flint MADE GROUND: Loose grey SAND and GRAVEL of concrete and brick MADE GROUND: Soft to firm brown gravelly CLAY. Gravel is fine to coarse angular to sub-rounded of flint.	1
	2.00	SPT	N=2 (1,1/0,1,0,1)	2.00				MADE GROUND: Very loose brown fine SAND and sub-angular to sub-rounded GRAVEL	2
	3.00	SPT	N=7 (1,2/2,2,1,2)	2.80				MADE GROUND: Loose fine to coarse angular GRAVEL and COBBLE of chalk	3
	4.00	SPT	N=2 (1,1/0,0,1,1)	4.00				End of Borehole at 4.000m	4
									5
									6
									7
									8
									9
									10

Remarks: No groundwater encountered



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Borehole No.

WS2

Sheet 1 of 1

Project Name:	Coverack Road	Project No:	14614	Co-ords:		Hole Type	WLS
Location:	Coverack Road	Level:		Scale	1:50	Logged By	RH
Client:	Jehu Project Services	Dates:	22/05/2018 -				

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.10				MADE GROUND: Loose grey SAND and fine to coarse angular GRAVEL of mudstone	
				0.60				MADE GROUND: Loose dark grey GRAVEL of ash. Rare fine glss fragments.	
	1.00	SPT	N=4 (1,1/1,1,1,1)	1.20				MADE GROUND: Soft dark brown sandy gravelly CLAY.	1
	2.00	SPT	N=9 (1,1/1,2,3,3)	2.10				MADE GROUND: Soft brown gravelly CLAY. Gravel is fine to coarse angular to rounded. Occasional brick and coal fragments.	2
	3.00	SPT	N=5 (1,2/2,1,1,1)	2.50				MADE GROUND: Firm brown gravelly CLAY. Occasional coal fragment.	
				2.80				MADE GROUND: Grey sandy clayey fine to coarse angular GRAVEL of shale	
				3.00				MADE GROUND: Loose light brown SAND	3
				3.30				MADE GROUND: Loose grey fine to coarse angular to sub-rounded GRAVEL and COBBLE of mudstone	
	4.00	SPT	N=1 (1,0/0,0,1,0)	4.00				MADE GROUND: Very loose brown SAND	
								End of Borehole at 4.000m	4
									5
									6
									7
									8
									9
									10

Remarks: No groundwater encountered



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Borehole No.

WS3

Sheet 1 of 1

Project Name:	Coverack Road	Project No:	14614	Co-ords:		Hole Type	WLS
Location:	Coverack Road	Level:		Scale	1:50	Logged By	RH
Client:	Jehu Project Services	Dates:	22/05/2018 -				

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.40				MADE GROUND: Grey and yellow brown mottled gravelly CLAY. Gravel is fine to coarse angular of mudstone and limestone. Hydrocarbon odour.	
				0.80				MADE GROUND: Grey SAND and fine to coarse angular GRAVEL of mudstone. Occasional brick and glass fragments.	
	1.00	SPT	N=10 (2,4/3,2,3,2)	1.30				MADE GROUND: Medium dense grey slightly sandy fine to coarse angular GRAVEL of mudstone	1
				1.60				MADE GROUND: Medium dense brown gravelly SAND. Gravel is fine to coarse angular of slate.	
	2.00	SPT	N=12 (3,3/2,1,2,7)	1.90				MADE GROUND: Loose grey/red brown SAND and fine to coarse angular GRAVEL of limestone	
				2.00				MADE GROUND: Soft orange brown and grey green very sandy CLAY	2
				2.70				MADE GROUND: Medium dense grey SAND and fine to coarse angular to sub-rounded GRAVEL and occasional COBBLE of mudstone	
	3.00	SPT	N=6 (4,3/2,2,1,1)	2.80				MADE GROUND: Soft grey very sandy gravelly CLAY. Gravel is fine to coarse angular of limestone and quartz.	3
	3.45	SPT	N=2 (3,1/0,1,0,1)	3.00				MADE GROUND: Loose slightly clayey sandy fine to coarse angular GRAVEL of laminated mudstone and slate	
	3.90	SPT	N=1 (1,1/0,0,0,1)						
								End of Borehole at 4.000m	4
									5
									6
									7
									8
									9
									10

Remarks: No groundwater encountered. Borehole collapsing between 2m and 3m depth



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Borehole No.

WS4

Sheet 1 of 1

Project Name:	Coverack Road	Project No:	14614	Co-ords:		Hole Type	WLS
Location:	Coverack Road	Level:				Scale	1:50
Client:	Jehu Project Services	Dates:	22/05/2018 -			Logged By	RH

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
	0.30			0.30				MADE GROUND: Grey fine to coarse angular gravel and cobble size fragments of breeze block	
	0.50			0.50				MADE GROUND: Firm dark grey very clayey fine to coarse angular GRAVEL of mudstone	
	0.80			0.80				MADE GROUND: Medium dense orange brown slightly clayey gravelly SAND. Gravel is fine to coarse angular to sub-angular of flint.	1
	1.00	SPT	N=9 (1,1/2,2,4,1)					MADE GROUND: Soft orange brown gravelly CLAY. Gravel is fine to coarse angular to sub-angular of flint and limestone. Black ashy inclusions and occasional coal fragments.	
	2.00	SPT	N=4 (1,1/1,1,1,1)	1.95				MADE GROUND: Very loose to loose dark grey/grey sandy clayey gravelly ASH. Gravel is fine to medium angular of mudstone and slate	2
	3.00	SPT	N=8 (1,2/2,1,1,4)	2.80				MADE GROUND: Loose grey SAND and fine to coarse angular to sub-angular GRAVEL of mudstone and limestone	3
	3.40			3.40				MADE GROUND: Loose red brown coarse gravelly SAND. Gravel is fine to medium sub-rounded to rounded of mudstone and sandstone	
	3.70			3.70				MADE GROUND: Soft grey brown gravelly CLAY. Gravel is fine to coarse angular of laminated mudstone	4
	4.00	SPT	N=4 (1,2/1,1,1,1)	4.00				MADE GROUND: Very loose grey very clayey SAND and fine to coarse angular to sub-rounded GRAVEL	
	4.70			4.70				POSSIBLE MADE GROUND: Very loose grey SAND	
	5.00	SPT	N=1 (1,0/0,1,0,0)	5.00				End of Borehole at 5.000m	5
									6
									7
									8
									9
									10

Remarks: No groundwater encountered



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Borehole No.

WS5

Sheet 1 of 1

Project Name:	Coverack Road	Project No:	14614	Co-ords:		Hole Type	WLS
Location:	Coverack Road	Level:		Scale	1:50	Logged By	RH
Client:	Jehu Project Services	Dates:	22/05/2018 -				

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.30				MADE GROUND: Firm grey and brown gravelly CLAY. Gravel is fine to medium angular of mudstone	
				0.60				MADE GROUND: Loose black ASH	
	1.00	SPT	N=8 (2,3/2,3,2,1)	1.00				MADE GROUND: Brown SAND and fine to coarse angular to sub-rounded GRAVEL of mudstone and sandstone	1
				1.50				MADE GROUND: Loose to medium dense grey SAND and fine to coarse angular to sub-rounded GRAVEL of mudstone	
	2.00	SPT	N=7 (1,2/2,2,1,2)	1.80				MADE GROUND: Firm red brown and yellow mottled gravelly CLAY. Gravel is fine to coarse angular of mudstone and limestone	
				2.00				MADE GROUND: Grey slightly clayey fine to coarse angular GRAVEL of laminated mudstone	2
								MADE GROUND: Loose grey SAND and fine to coarse angular to sub-rounded GRAVEL of mudstone (0.8m recovery only)	
	3.00	SPT	N=15 (2,4/3,5,3,4)	3.40					3
				3.80				MADE GROUND: Firm grey very gravelly CLAY. Gravel is fine to coarse angular of mudstone. Rare orange tile fragment and chalk gravel	
	4.00	SPT	N=6 (1,1/1,3,1,1)	4.00				MADE GROUND: Loose red gravel of MUDSTONE	4
	4.45	SPT	N=1 (1,0/0,1,0,0)					End of Borehole at 3.000m	
									5
									6
									7
									8
									9
									10

Remarks: No groundwater encountered. Borehole collapsing between 2.5m and 3m depth



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Borehole No.

WS6

Sheet 1 of 1

Project Name:	Coverack Road	Project No:	14614	Co-ords:		Hole Type	WLS
Location:	Coverack Road	Level:		Scale	1:50	Logged By	RH
Client:	Jehu Project Services	Dates:	22/05/2018 -				

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
	1.00	SPT	N=2 (1,1/1,0,0,1)	0.30 0.35 0.40 0.70 0.95 1.20				MADE GROUND: Loose grey SAND and fine to coarse angular GRAVEL and COBBLE of mudstone and flint MADE GROUND: Loose dark grey ASH MADE GROUND: Grey gravelly CLAY. Gravel is fine to coarse angular of mudstone and flint MADE GROUND: Loose grey ASH MADE GROUND: Grey gravelly CLAY. Gravel is fine to coarse angular of limestone, chalk and shale MADE GROUND: Very loose grey SAND and fine to coarse angular GRAVEL of mudstone	1
	2.00	SPT	N=6 (1,2/2,2,1,1)	1.65 1.80 1.90				MADE GROUND: Very loose dark grey GRAVEL of ASH. Brick fragments. MADE GROUND: Brown gravelly SAND MADE GROUND: Fine to coarse angular GRAVEL of limestone MADE GROUND: Loose brown SAND and fine to coarse angular to sub-rounded GRAVEL of mudston	2
	3.00	SPT	N=5 (2,2/1,1,2,1)	2.70				MADE GROUND: Brown gravelly SAND. Gravel is fine to medium sub-rounded of mudstone. Bands of grey SAND and GRAVEL with ash	3
	4.00	SPT	N=2 (0,0/1,0,0,1)	3.70 4.00				MADE GROUND: Dark brown SAND	4
								End of Borehole at 4.000m	4
									5
									6
									7
									8
									9
									10

Remarks: No groundwater encountered



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Borehole No.

WS7

Sheet 1 of 1

Project Name:	Coverack Road	Project No:	14614	Co-ords:		Hole Type	WLS
Location:	Coverack Road	Level:				Scale	1:50
Client:	Jehu Project Services	Dates:	22/05/2018 -			Logged By	RH

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.30				MADE GROUND: Dark grey clayey SAND and fine to coarse GRAVEL and COBBLE	
	1.00	SPT	N=1 (1,1/1,0,0,0)	1.20				MADE GROUND: Loose becoming very loose red brown becoming tan brown SAND	1
				1.85				MADE GROUND: Very loose grey SAND and fine to coarse angular to sub-rounded GRAVEL of mudstone	
	2.00	SPT	N=2 (0,0/0,1,0,1)	2.00				MADE GROUND: Very loose grey brown slightly clayey SAND and fine to coarse angular to sub-rounded GRAVEL. Shell fragments. Occasional brick fragment.	2
								MADE GROUND: Very loose grey brown SAND and very fine angular to sub-rounded GRAVEL	
	3.00	SPT	N=2 (1,1/1,0,0,1)	3.00				MADE GROUND: Very soft brown gravelly CLAY. Gravel is fine to coarse angular to sub-rounded of flint.	3
	4.00	SPT	N=1 (1,1/0,0,0,1)	4.00				End of Borehole at 4.000m	4
									5
									6
									7
									8
									9
									10

Remarks: No groundwater encountered

ANNEX F
Trial Pit Logs



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Trial Pit No:

TP1

Sheet 1 of 1

Project Name: Coverack Road

Project No:
14614

Co-ords: -
Level:

Date:
29/05/2018

Location: Coverack Road

Dimensions:

Depth
1.50



Scale:
1:25

Logged:
IB

Client: Jehu Project Services

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.20	ES		0.30			Concrete rubble over soft greyish brown sandy gravelly CLAY. Gravels are fine to coarse subangular and angular. Many Fine rootlets, many brick fragments and concrete cobbles occasional glass, concrete, whole bricks and metal wire. (MADE GROUND)	
	1.00	ES		1.00			Loose light yellow and reddish brown gravelly SAND. Gravels are medium and coarse rounded and subrounded of sandstone,, mudstone and limestone. (MADE GROUND)	
				1.50			Loose Reddish brown SAND many fine rootlets. (MADE GROUND)	1
							End of Pit at 1.500m	
								2
								3
								4
								5

Stability: Sides of pit collapsing.

Remarks: 1) No groundwater.



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Trial Pit No:
TP2
Sheet 1 of 1

Project Name: Coverack Road	Project No: 14614	Co-ords: - Level:	Date: 29/05/2018
-----------------------------	-------------------	----------------------	------------------

Location: Coverack Road	Dimensions: Depth 1.65	Scale: 1:25 Logged: IB
-------------------------	---------------------------	---------------------------

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.20	ES		0.45			Soft greyish brown sandy gravelly CLAY. Gravels are fine to coarse subangular and angular. Many Fine rootlets, metal sheet, rubber plastic and whole bricks. (MADE GROUND).
				1.40			Soft greenish yellow and browns sandy gravelly CLAY with black and yellow sandy inclusions. Gravells are subangular and angular of slate. Rare glass and brick fragments. (MADE GROUND).
				1.65			Medium Dense white gravelly CHALK gravels are medium and coarse. Occasional cobbles of flint. (MADE GROUND).
							End of Pit at 1.650m

Stability: Stable

Remarks: 1) No groundwater.



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Trial Pit No:

TP3

Sheet 1 of 1

Project Name: Coverack Road

Project No:
14614

Co-ords: -
Level:

Date:
29/05/2018

Location: Coverack Road

Dimensions:

Depth
2.10



Scale:
1:25

Logged:
IB

Client: Jehu Project Services

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.20	ES		0.30			Soft greyish brown sandy gravelly CLAY. gravels are fine to coarse subangular to angular. Many small cobbles of concrete, fragments of brick. (MADE GROUND).	
							loose greyish black gravelly slightly clayey SAND. Gravel is fine and medium round to subangular. (MADE GROUND). <i>Black plastic tarpaulin. in between soil layers</i>	
	0.80	ES		1.00			Loose light yellow SAND. (MADE GROUND)	1
				1.20			Loose light orangish brown slightly gravelly SAND. Gravels are medium rounded sandstone mudstone and limestone. (MADE GROUND)	
				1.90			Medium dense gravelly CHALK. Gravels are medium and coarse sub angular to angular. (MADE GROUND).	2
				2.10			End of Pit at 2.100m	
								3
								4
								5

Stability: Sides Stable.

Remarks: 1) No groundwater.



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Trial Pit No:

TP4

Sheet 1 of 1

Project Name: Coverack Road

Project No:
14614

Co-ords: -
Level:

Date:
29/05/2018

Location: Coverack Road

Dimensions:

Depth
1.90



Scale:
1:25

Client: Jehu Project Services

Logged:
IB

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.20	ES		0.40			Soft greyish brown sandy gravelly CLAY with fine rootlets. Gravels are fine to coarse subangular to angular. many brick fragments, occasional glass concrete plastic fabric..	
				1.20			Loose greyish black gravelly slightly clayey SAND. Gravel is fine and medium round to subangular. Plastic sheeting occasional cobbles of slate. Single boulder of slate	1
				1.90			Soft yellowish brown very sandy gravelly CLAY. Gravels are fine to coarse of slate..	
							End of Pit at 1.900m	2
								3
								4
								5

Stability: Sides Stable.

Remarks: 1) No Groundwater

ANNEX G
Cable Percussive Borehole
Logs



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Borehole No.

BH1

Sheet 1 of 3

Project Name:	Coverack Road	Project No:	14614	Co-ords:		Hole Type	CP
Location:	Coverack Road	Level:		Scale	1:50	Logged By	
Client:	Jehu Project Services	Dates:	21/05/2018 -				

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
	1.00	SPT	N=24 (2,3/4,5,7,8)					MADE GROUND: Dense brick and cobbles (drillers description)	1
	2.00	SPT	N=8 (1,1/2,2,1,3)	1.80 2.20				MADE GROUND: Loose olliery Spoil (drillers description)	2
	3.00	SPT	N=11 (1,2/2,3,3,3)					Medium dense brown sand and gravel (drillers description)	3
	4.00	SPT	N=11 (1,0/2,2,3,4)						4
	4.50	SPT	N=10 (1,2/2,2,3,3)	4.30				Firm grey brown mottled CLAY (drillers description)	5
	6.00	SPT	N=5 (1,0/1,1,1,2)	5.40				Very soft grey CLAY (Alluvium)	6
	7.50	SPT	N=4 (1,0/1,1,1,1)						7
	9.00	SPT	N=1 (1,0/0,0,1,0)						8
									9

Chiseling	Depth Top (m)	Depth Base (m)	Duration (hh:mm)	Remarks

Remarks:



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Borehole No.

BH1

Sheet 2 of 3

Project Name:	Coverack Road	Project No:	14614	Co-ords:		Hole Type	CP
Location:	Coverack Road	Level:				Scale	1:50
Client:	Jehu Project Services	Dates:	21/05/2018 -			Logged By	

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
	10.00	SPT	0 (/,,,)					Very soft grey CLAY (Alluvium)	10
									11
	12.00	SPT	0 (/,,,)						12
									13
	13.50	SPT	0 (/,,,)						14
									15
▼	15.00	SPT	N=19 (3,3/3,4,5,7)	14.60				Stiff grey gravel bound CLAY (Alluvium) (drillers description)	15
									16
	16.50	SPT	N=17 (2,3/3,4,4,6)	16.30				Medium dense becoming dense brown SAND (drillers description)	17
									18
	18.00	SPT	N=31 (3,3/4,7,9,11)						

Chiseling	Depth Top (m)	Depth Base (m)	Duration (hh:mm)	Remarks

Remarks:



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Borehole No.

BH1

Sheet 3 of 3

Project Name:	Coverack Road	Project No:	14614	Co-ords:		Hole Type	CP
Location:	Coverack Road	Level:				Scale	1:50
Client:	Jehu Project Services	Dates:	21/05/2018 -			Logged By	

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				18.70				Medium dense becoming dense brown SAND (drillers description)	
	19.50	SPT	N=37 (3,5/5,8,11,13)					Dense brown fine to coarse GRAVEL with some cobble (drillers description)	19
	20.50	SPT	50 (25 for 115mm/50 for 36mm)	20.40					20
	21.00	SPT	50 (25 for 47mm/50 for 26mm)	21.00				Red brown SANDSTONE	
								End of Borehole at 21.000m	21
									22
									23
									24
									25
									26
									27

Chiseling	Depth Top (m)	Depth Base (m)	Duration (hh:mm)	Remarks
	20.70	21.00	01:00	

Remarks:



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CF23 7HA

Borehole No.

BH2

Sheet 1 of 3

Project Name:	Coverack Road	Project No:	14614	Co-ords:		Hole Type	CP
Location:	Coverack Road	Level:				Scale	1:50
Client:	Jehu Project Services	Dates:	22/05/2018 -			Logged By	

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
	1.00	SPT	N=17 (1,3/5,4,3,5)	1.00				MADE GROUND: Cobbly CLAY (drillers description)	
	2.00	SPT	N=7 (1,0/1,1,2,3)	1.90				MADE GROUND: Medium dense colliery spoil (drillers description)	1
	3.00	SPT	N=7 (1,1/1,2,2,2)					MADE GROUND: Loose clayey SAND and GRAVEL (drillers description)	2
	4.00	SPT	N=10 (1,2/3,4,2,1)						3
	5.00	SPT	N=11 (1,1/2,2,3,4)	5.20					4
	6.00	SPT	N=13 (1,2/3,3,3,4)	6.90				Firm grey brown mottled CLAY (drillers description)	5
								Very soft grey CLAY (Alluvium) (drillers description)	6
									7
									8
									9

Chiseling	Depth Top (m)	Depth Base (m)	Duration (hh:mm)	Remarks

Remarks:



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Borehole No.

BH2

Sheet 2 of 3

Project Name:	Coverack Road	Project No:	14614	Co-ords:		Hole Type	CP
Location:	Coverack Road	Level:				Scale	1:50
Client:	Jehu Project Services	Dates:	22/05/2018 -			Logged By	

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
								Very soft grey CLAY (Alluvium) (drillers description)	
									10
									11
									12
									13
									14
▼	14.50	SPT	N=11 (3,5/2,2,3,4)	14.30				Firm grey gravel bound CLAY (Alluvium) (drillers description)	
									15
									16
	16.50	SPT	N=14 (6,6/3,4,4,3)	16.10				Medium dense becoming dense brown SAND	
									17
									18

Chiseling	Depth Top (m)	Depth Base (m)	Duration (hh:mm)	Remarks

Remarks:



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Borehole No.

BH2

Sheet 3 of 3

Project Name:	Coverack Road	Project No:	14614	Co-ords:		Hole Type	CP
Location:	Coverack Road	Level:				Scale	1:50
Client:	Jehu Project Services	Dates:	22/05/2018 -			Logged By	

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
	19.00	SPT	N=49 (20,17/10,14,11,14)	19.60				Medium dense becoming dense brown SAND	19
								Very dense brown fine to coarse GRAVEL with some cobble (drillers description)	20
	21.00	SPT	50 (25 for 105mm/50 for 95mm)	20.90				Red brown SANDSTONE	21
	21.20	SPT	50 (25 for 53mm/50 for 22mm)	21.20				End of Borehole at 21.200m	21
									22
									23
									24
									25
									26
									27
Chiseling	Depth Top (m)	Depth Base (m)		Duration (hh:mm)		Remarks			
	21.00	21.20		01:00					

Remarks:



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Borehole No.

BH3

Sheet 1 of 3

Project Name:	Coverack Road	Project No:	14614	Co-ords:		Hole Type	CP
Location:	Coverack Road	Level:		Scale	1:50	Logged By	
Client:	Jehu Project Services	Dates:	24/05/2018 -				

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
	1.00	SPT	N=17 (2,4/3,5,5,4)					MADE GROUND: Medium dense and firm becoming loose and soft SAND, GRAVEL, CLAY and shale (drillers description)	1
	2.00	SPT	N=7 (1,2/2,1,1,3)						2
	3.00	SPT	N=5 (1,0/1,1,1,2)						3
	4.00	SPT	N=8 (1,2/2,2,2,2)						4
	5.00	SPT	N=11 (2,2/2,3,3,3)						5
	5.50	SPT	N=13 (1,2/3,3,3,4)	5.40				Firm grey brown mottled CLAY	6
									7
				7.20				Very soft grey CLAY (Alluvium) (drillers description)	8
									9
	9.00	SPT	N=2 (1,0/0,1,0,1)						

Chiseling	Depth Top (m)	Depth Base (m)	Duration (hh:mm)	Remarks

Remarks:

Remarks:



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Borehole No.

BH3

Sheet 3 of 3

Project Name:	Coverack Road	Project No:	14614	Co-ords:		Hole Type	CP
Location:	Coverack Road	Level:				Scale	1:50
Client:	Jehu Project Services	Dates:	24/05/2018 -			Logged By	

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
								Medum dense becoming dense brown SADN (drillers description)	19
	20.00	SPT	N=54 (6,12/14,10,13,17)	19.60				Very dense brown sandy GRAVEL with cobble (drillers description)	20
	20.70	SPT	51 (6,18/51 for 99mm)	20.70				Red brown SANDSTONE	21
	21.00	SPT	50 (25 for 72mm/50 for 48mm)	21.00				End of Borehole at 21.000m	21
									22
									23
									24
									25
									26
									27
Chiseling	Depth Top (m)		Depth Base (m)		Duration (hh:mm)		Remarks		
	20.40		20.70		01:00				
	20.70		21.00		01:00				

Remarks:



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Borehole No.

BH4

Sheet 1 of 3

Project Name:	Coverack Road	Project No:	14614	Co-ords:		Hole Type	CP
Location:	Coverack Road	Level:		Scale	1:50	Logged By	
Client:	Jehu Project Services	Dates:	29/05/2018 -				

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
								MADE GROUND: CLAY, SAND, GRAVEL with brick and shale (drillers description)	1
									2
									3
									4
				5.20					5
								Firm grey brown mottled CLAY (drillers description)	6
									7
				7.30				Very soft grey CLAY (Alluvium) (drillers description)	8
									9

Chiseling	Depth Top (m)	Depth Base (m)	Duration (hh:mm)	Remarks

Remarks:



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Borehole No.

BH4

Sheet 2 of 3

Project Name:	Coverack Road	Project No:	14614	Co-ords:		Hole Type	CP
Location:	Coverack Road	Level:				Scale	1:50
Client:	Jehu Project Services	Dates:	29/05/2018 -			Logged By	

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
								Very soft grey CLAY (Alluvium) (drillers description)	
									10
									11
									12
									13
									14
									15
									16
				16.30				Medium dense brown SAND (drillers description)	
									17
									18
Chiseling	Depth Top (m)	Depth Base (m)		Duration (hh:mm)		Remarks			

Remarks:



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Borehole No.

BH4

Sheet 3 of 3

Project Name:	Coverack Road	Project No:	14614	Co-ords:		Hole Type	CP
Location:	Coverack Road	Level:		Scale	1:50	Logged By	
Client:	Jehu Project Services	Dates:	29/05/2018 -				

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				18.80				Medium dense brown SAND (drillers description)	
								Dense brown fine to coarse GRAVEL (drillers description)	19
				19.90				Dense brown large COBBLE (drillers description)	20
				20.20 20.30				Red brown SANDSTONE End of Borehole at 20.300m	
									21
									22
									23
									24
									25
									26
									27

Chiseling	Depth Top (m)	Depth Base (m)	Duration (hh:mm)	Remarks
	19.90	20.20	01:00	
	20.20	20.30	01:00	

Remarks:



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Borehole No.

BH5

Sheet 1 of 1

Project Name:	Coverack Road	Project No:	14614	Co-ords:		Hole Type	CP
Location:	Coverack Road	Level:				Scale	1:50
Client:	Jehu Project Services	Dates:	30/05/2018 -			Logged By	

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				3.00				MADE GROUND	1
									2
									3
								End of Borehole at 3.000m	4
									5
									6
									7
									8
									9

Chiseling	Depth Top (m)	Depth Base (m)	Duration (hh:mm)	Remarks

Remarks:



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Borehole No.

BH6

Sheet 1 of 1

Project Name:	Coverack Road	Project No:	14614	Co-ords:		Hole Type	CP
Location:	Coverack Road	Level:				Scale	1:50
Client:	Jehu Project Services	Dates:	30/05/2018 -			Logged By	

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				3.00				MADE GROUND	1
									2
									3
								End of Borehole at 3.000m	4
									5
									6
									7
									8
									9

Chiseling	Depth Top (m)	Depth Base (m)	Duration (hh:mm)	Remarks

Remarks:

ANNEX H
Laboratory Soil and Leachate Chemical
Test Results

Summary of Chemical Analysis

Matrix Descriptions

Our Ref 18-12558-1

Client Ref 14614RH

Contract Title Coverack Road

Sample ID	Depth	Lab No	Completed	Matrix Description
WS4	0.30-0.80	1343789	04/06/2018	Dark brown sandy GRAVEL (sample matrix outside MCERTS scope of accreditation)
WS4	0.80-1.30	1343790	04/06/2018	Brown gravelly, sandy CLAY
WS5	0.10-0.30	1343791	04/06/2018	Dark brown gravelly, sandy CLAY
WS3	0.10-0.40	1343795	04/06/2018	Dark brown sandy, clayey GRAVEL (sample matrix outside MCERTS scope of accreditation)
WS6	0.40-0.70	1343796	04/06/2018	Dark brown sandy GRAVEL (Possible made ground - brick) (sample matrix outside MCERTS scope of accreditation)
WS6	1.20-1.50	1343797	04/06/2018	U/S (sample matrix outside MCERTS scope of accreditation)
WS2	0.20-0.50	1343798	04/06/2018	Dark brown sandy GRAVEL (sample matrix outside MCERTS scope of accreditation)
WS2	0.80-1.00	1343799	04/06/2018	Dark brown gravelly, sandy CLAY
WS11	0.30-0.50	1343801	04/06/2018	Dark brown sandy GRAVEL (sample matrix outside MCERTS scope of accreditation)
WS7	0.40-0.70	1343803	04/06/2018	Brown SAND

Summary of Chemical Analysis

Matrix Descriptions

Our Ref 18-13004-1

Client Ref 14614RH

Contract Title Coverack Road

Sample ID	Depth	Lab No	Completed	Matrix Description
TP1	0.2	1345918	07/06/2018	Brown gravelly, sandy CLAY including odd rootlets and wood (Possible made ground - brick and coal)
TP1	1	1345919	07/06/2018	Brown gravelly SAND
TP2	0.4	1345920	07/06/2018	Dark slightly clayey, gravelly SAND including odd rootlets and wood (Made ground - Glass,coal,brick,fabric,metal)
TP3	0.2	1345921	07/06/2018	Dark brown gravelly, sandy CLAY including odd rootlets (Made ground - coal and brick)
TP4	0.3	1345923	07/06/2018	Dark brown gravelly, sandy CLAY including odd rootlets (Made ground - brick)

ANNEX I
Groundwater Test Results



Certificate of Analysis

Certificate Number 18-13884

20-Jun-18

Client Terra Firma (Wales) Ltd
5 Deryn Court
Wharfdale Road
Pentwyn
Cardiff
CF23 7HB

Our Reference 18-13884

Client Reference 14614RH

Order No 14614RH

Contract Title Coverack Road

Description 4 Water samples.

Date Received 08-Jun-18

Date Started 08-Jun-18

Date Completed 20-Jun-18

Test Procedures Identified by prefix DETSn (details on request).

Notes Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

Approved By



Adam Fenwick
Contracts Manager



Summary of Chemical Analysis

Water Samples

Our Ref 18-13884

Client Ref 14614RH

Contract Title Coverack Road

Lab No	1349911	1349912	1349913	1349914
Sample ID	BH1	BH2	BH3	BH4
Depth				
Other ID				
Sample Type	WATER	WATER	WATER	WATER
Sampling Date	07/06/18	07/06/18	07/06/18	07/06/18
Sampling Time	n/s	n/s	n/s	n/s

Test	Method	LOD	Units				
Metals							
Arsenic, Dissolved	DETSC 2306	0.16	ug/l	2.8	2.8	1.4	1.3
Cadmium, Dissolved	DETSC 2306	0.03	ug/l	< 0.03	< 0.03	0.08	0.07
Chromium, Dissolved	DETSC 2306	0.25	ug/l	0.67	0.64	3.0	2.0
Chromium III, Dissolved	DETSC 2302*	1	ug/l	< 1.0	< 1.0	3.0	< 1.0
Chromium, Hexavalent	DETSC 2203	0.007	mg/l	< 0.007	< 0.007	< 0.007	< 0.007
Copper, Dissolved	DETSC 2306	0.4	ug/l	0.9	< 0.4	1.4	2.3
Lead, Dissolved	DETSC 2306	0.09	ug/l	< 0.09	< 0.09	< 0.09	0.12
Mercury, Dissolved	DETSC 2306	0.01	ug/l	< 0.01	< 0.01	< 0.01	< 0.01
Nickel, Dissolved	DETSC 2306	0.5	ug/l	0.8	0.8	1.7	1.3
Selenium, Dissolved	DETSC 2306	0.25	ug/l	0.86	0.72	1.1	1.2
Zinc, Dissolved	DETSC 2306	1.3	ug/l	3.8	4.1	11	17
Inorganics							
Conductivity	DETSC 2009	1	uS/cm	9420	9560	1140	1150
pH	DETSC 2008			7.5	7.5	7.3	7.3
Biochemical Oxygen Demand, Total	DETSC 2031	1	mg/l	4.8	4.5	3.7	4.5
Chemical Oxygen Demand, Total	DETSC 2032	10	mg/l	62	55	17	17
Cyanide, Total	DETSC 2130	40	ug/l	< 40	< 40	< 40	< 40
Hardness	DETSC 2303	0.1	mg/l	1460	1590	508	491
Sulphate as SO4	DETSC 2055	0.1	mg/l	120	110	120	100
Sulphide	DETSC 2208	10	ug/l	63	25	14	15
Petroleum Hydrocarbons							
Aliphatic C5-C6	DETSC 3322	0.1	ug/l	< 0.1	< 0.1	< 0.1	< 0.1
Aliphatic C6-C8	DETSC 3322	0.1	ug/l	< 0.1	< 0.1	< 0.1	< 0.1
Aliphatic C8-C10	DETSC 3322	0.1	ug/l	< 0.1	< 0.1	< 0.1	< 0.1
Aliphatic C10-C12	DETSC 3072*	1	ug/l	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic C12-C16	DETSC 3072*	1	ug/l	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic C16-C21	DETSC 3072*	1	ug/l	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic C21-C35	DETSC 3072*	1	ug/l	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic C5-C35	DETSC 3072*	10	ug/l	< 10	< 10	< 10	< 10
Aromatic C5-C7	DETSC 3322	0.1	ug/l	< 0.1	< 0.1	< 0.1	< 0.1
Aromatic C7-C8	DETSC 3322	0.1	ug/l	< 0.1	< 0.1	< 0.1	< 0.1
Aromatic C8-C10	DETSC 3322	0.1	ug/l	< 0.1	< 0.1	< 0.1	< 0.1
Aromatic C10-C12	DETSC 3072*	1	ug/l	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic C12-C16	DETSC 3072*	1	ug/l	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic C16-C21	DETSC 3072*	1	ug/l	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic C21-C35	DETSC 3072*	1	ug/l	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic C5-C35	DETSC 3072*	10	ug/l	< 10	< 10	< 10	< 10
TPH Ali/Aro Total	DETSC 3072*	10	ug/l	< 10	< 10	< 10	< 10
EPH (C10-C40)	DETSC 3311	10	ug/l	150	150	140	160
PAHs							
Naphthalene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01	< 0.01	< 0.01

Summary of Chemical Analysis

Water Samples

Our Ref 18-13884

Client Ref 14614RH

Contract Title Coverack Road

Lab No	1349911	1349912	1349913	1349914
Sample ID	BH1	BH2	BH3	BH4
Depth				
Other ID				
Sample Type	WATER	WATER	WATER	WATER
Sampling Date	07/06/18	07/06/18	07/06/18	07/06/18
Sampling Time	n/s	n/s	n/s	n/s

Test	Method	LOD	Units				
Acenaphthylene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-c,d)pyrene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01	< 0.01	< 0.01
Dibenzo(a,h)anthracene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(g,h,i)perylene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01	< 0.01	< 0.01
PAH Total	DETSC 3304	0.04	ug/l	< 0.04	< 0.04	< 0.04	< 0.04
PCBs							
PCB 28 + PCB 31	DETSC 3402	0.3	ug/l	< 0.3	< 0.3	< 0.3	< 0.3
PCB 52	DETSC 3402	0.2	ug/l	< 0.2	< 0.2	< 0.2	< 0.2
PCB 101	DETSC 3402	0.3	ug/l	< 0.3	< 0.3	< 0.3	< 0.3
PCB 118 + PCB 123	DETSC 3402	0.6	ug/l	< 0.6	< 0.6	< 0.6	< 0.6
PCB 138	DETSC 3402	0.2	ug/l	< 0.2	< 0.2	< 0.2	< 0.2
PCB 153	DETSC 3402	0.2	ug/l	< 0.2	< 0.2	< 0.2	< 0.2
PCB 180	DETSC 3402	0.2	ug/l	< 0.2	< 0.2	< 0.2	< 0.2
PCB 7 Total	DETSC 3402	1	ug/l	< 1.0	< 1.0	< 1.0	< 1.0
Phenols							
Phenol	DETSC 3451*	0.1	ug/l	< 0.10	< 0.10	< 0.10	< 0.10
4-Chloro-3-methylphenol	DETSC 3451*	0.1	ug/l	< 0.10	< 0.10	< 0.10	< 0.10
2,4-Dichlorophenol	DETSC 3451*	0.1	ug/l	< 0.10	< 0.10	< 0.10	< 0.10
2,4-Dimethylphenol	DETSC 3451*	0.1	ug/l	< 0.10	< 0.10	< 0.10	< 0.10
p-cresol	DETSC 3451*	0.1	ug/l	< 0.10	< 0.10	< 0.10	< 0.10
2,6-Dimethylphenol	DETSC 3451*	0.1	ug/l	< 0.10	< 0.10	< 0.10	< 0.10
2,6-Dichlorophenol	DETSC 3451*	0.1	ug/l	< 0.10	< 0.10	< 0.10	< 0.10
2,4,6-Trichlorophenol	DETSC 3451*	0.1	ug/l	< 0.10	< 0.10	< 0.10	< 0.10

Summary of Chemical Analysis

Water Samples

Our Ref 18-13884

Client Ref 14614RH

Contract Title Coverack Road

Lab No	1349911	1349912	1349913	1349914
Sample ID	BH1	BH2	BH3	BH4
Depth				
Other ID				
Sample Type	WATER	WATER	WATER	WATER
Sampling Date	07/06/18	07/06/18	07/06/18	07/06/18
Sampling Time	n/s	n/s	n/s	n/s

Test	Method	LOD	Units				
VOCs							
Dichlorodifluoromethane	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
Chloromethane	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
Vinyl Chloride	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
Bromomethane	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
Chloroethane	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
Trichlorofluoromethane	DETS 3432*	1	ug/l	< 1	< 1	< 1	< 1
1,1-dichloroethylene	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
Methylene Chloride	DETS 3432*	27	ug/l	< 27	< 27	< 27	< 27
Trans-1,2-dichloroethylene	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
1,1-dichloroethane	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
Cis-1,2-dichloroethylene	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
2,2-dichloropropane	DETS 3432	2	ug/l	< 2	< 2	< 2	< 2
Bromochloromethane	DETS 3432	4	ug/l	< 4	< 4	< 4	< 4
Chloroform	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
1,1,1-trichloroethane	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
1,1-dichloropropene	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
Carbon tetrachloride	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
Benzene	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
1,2-dichloroethane	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
Trichloroethylene	DETS 3432*	1	ug/l	< 1	< 1	< 1	< 1
1,2-dichloropropane	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
Dibromomethane	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
Bromodichloromethane	DETS 3432	4	ug/l	< 4	< 4	< 4	< 4
cis-1,3-dichloropropene	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
Toluene	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
trans-1,3-dichloropropene	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
1,1,2-trichloroethane	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
Tetrachloroethylene	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
1,3-dichloropropane	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
Dibromochloromethane	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
1,2-dibromoethane	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
Chlorobenzene	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
1,1,1,2-tetrachloroethane	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
Ethylbenzene	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
m+p-Xylene	DETS 3432	2	ug/l	< 2	< 2	< 2	< 2
o-Xylene	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
Styrene	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
Bromoform	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
Isopropylbenzene	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
1,1,2,2-tetrachloroethane	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
Bromobenzene	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1

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Depth				
Other ID				
Sample Type	WATER	WATER	WATER	WATER
Sampling Date	07/06/18	07/06/18	07/06/18	07/06/18
Sampling Time	n/s	n/s	n/s	n/s

Test	Method	LOD	Units				
1,2,3-trichloropropane	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
n-propylbenzene	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
2-chlorotoluene	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
1,3,5-trimethylbenzene	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
4-chlorotoluene	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
Tert-butylbenzene	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
1,2,4-trimethylbenzene	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
sec-butylbenzene	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
p-isopropyltoluene	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
1,3-dichlorobenzene	DETS 3432	2	ug/l	< 2	< 2	< 2	< 2
1,4-dichlorobenzene	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
n-butylbenzene	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
1,2-dichlorobenzene	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
1,2-dibromo-3-chloropropane	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
1,2,4-trichlorobenzene	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
Hexachlorobutadiene	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
1,2,3-trichlorobenzene	DETS 3432	1	ug/l	< 1	< 1	< 1	< 1
MTBE	DETS 3432*	1	ug/l	< 1	< 1	< 1	< 1

SVOCs							
Aniline	DETS 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
2-Chlorophenol	DETS 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
Benzyl Alcohol	DETS 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
2-Methylphenol	DETS 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
Bis(2-chloroisopropyl)ether	DETS 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
3&4-Methylphenol	DETS 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
Bis(2-chloroethoxy)methane	DETS 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
1,2,4-Trichlorobenzene	DETS 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
2-Methylnaphthalene	DETS 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
Hexachlorocyclopentadiene	DETS 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
2,4,5-Trichlorophenol	DETS 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
2-Chloronaphthalene	DETS 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
2-Nitroaniline	DETS 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
2,4-Dinitrotoluene	DETS 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
3-Nitroaniline	DETS 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
4-Nitrophenol	DETS 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
Dibenzofuran	DETS 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
2,6-Dinitrotoluene	DETS 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
2,3,4,6-Tetrachlorophenol	DETS 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
Diethylphthalate	DETS 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
4-Chlorophenylphenylether	DETS 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
4-Nitroaniline	DETS 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
Diphenylamine	DETS 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7

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Sample ID	BH1	BH2	BH3	BH4
Depth				
Other ID				
Sample Type	WATER	WATER	WATER	WATER
Sampling Date	07/06/18	07/06/18	07/06/18	07/06/18
Sampling Time	n/s	n/s	n/s	n/s

Test	Method	LOD	Units				
4-Bromophenylphenylether	DETSC 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
Hexachlorobenzene	DETSC 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
Bis(2-ethylhexyl)ester	DETSC 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
Pentachlorophenol	DETSC 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
Di-n-butylphthalate	DETSC 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
Butylbenzylphthalate	DETSC 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
Bis(2-ethylhexyl)phthalate	DETSC 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
Di-n-octylphthalate	DETSC 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
1,4-Dinitrobenzene	DETSC 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
Dimethylphthalate	DETSC 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
1,3-Dinitrobenzene	DETSC 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
2,3,5,6-Tetrachlorophenol	DETSC 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
Azobenzene	DETSC 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
Carbazole	DETSC 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7
1-Methylnaphthalene	DETSC 3434*	1	ug/l	< 1.7	< 1.7	< 1.7	< 1.7

Information in Support of the Analytical Results

Our Ref 18-13884
 Client Ref 14614RH
 Contract Coverack Road

Containers Received & Deviating Samples

Lab No	Sample ID	Date Sampled	Containers Received	Holding time exceeded for tests	Inappropriate container for tests
1349911	BH1 WATER	07/06/18	GB 1L x3, GV		
1349912	BH2 WATER	07/06/18	GB 1L x3, GV		
1349913	BH3 WATER	07/06/18	GB 1L x3, GV		
1349914	BH4 WATER	07/06/18	GB 1L x3, GV		

Key: G-Glass B-Bottle V-Vial

DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time, inappropriate containers etc are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

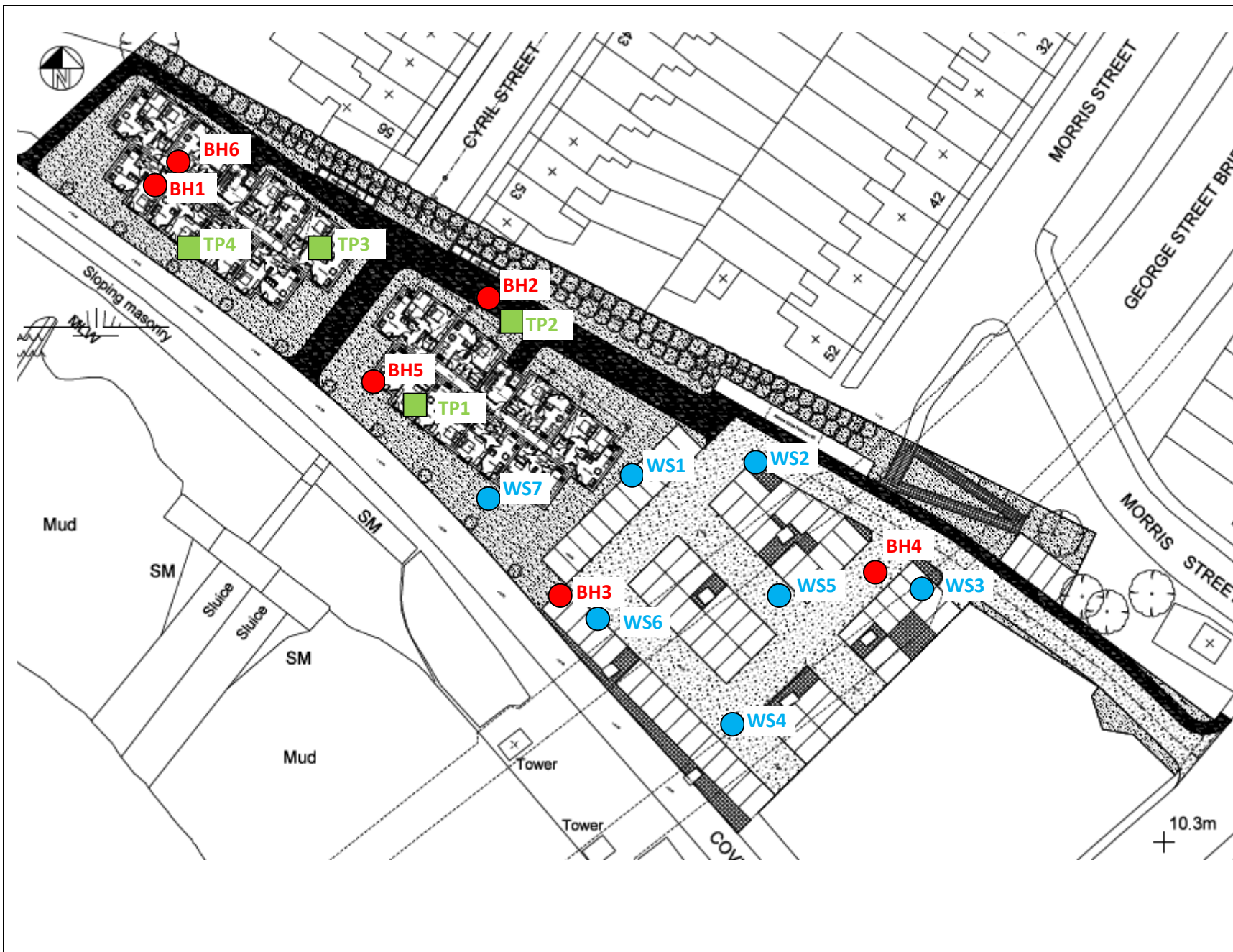
Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-
 Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

ANNEX J
Gas Monitoring Results

				BH6	BH5	WS2	WS4
Round	1		% CH ₄	0.2	0.8	1.2	0.6
Date	29.08.2017		% CH ₄ Peak	0.2	0.8	1.2	0.6
Weather	Overcast		% LEL	0	0	0	0
Barometric pressure	1010	mb	% CO ₂	0.8	1.7	1.2	1.4
			% O ₂	19.8	19.3	20.1	20
			CO (ppm)	0	0	0	0
			H ₂ S (ppm)	0	0	0	0
			Flow (l/hr)	0	0.2	0.1	0

DRAWINGS



Drawing Number
01

Drawing Title
SITE LAYOUT

Job Number
14614

Job Title
**COVERACK ROAD
NEWPORT**

NOT TO SCALE